

Pantheon Report

Generated at 2018-02-05 02:12:22 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia 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).

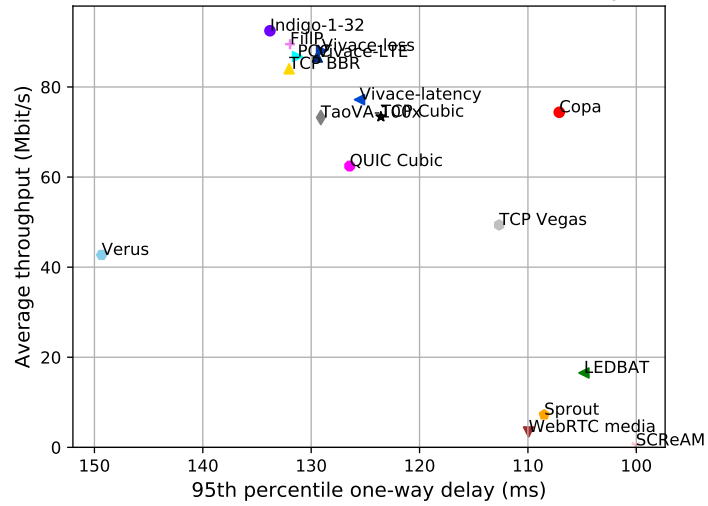
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

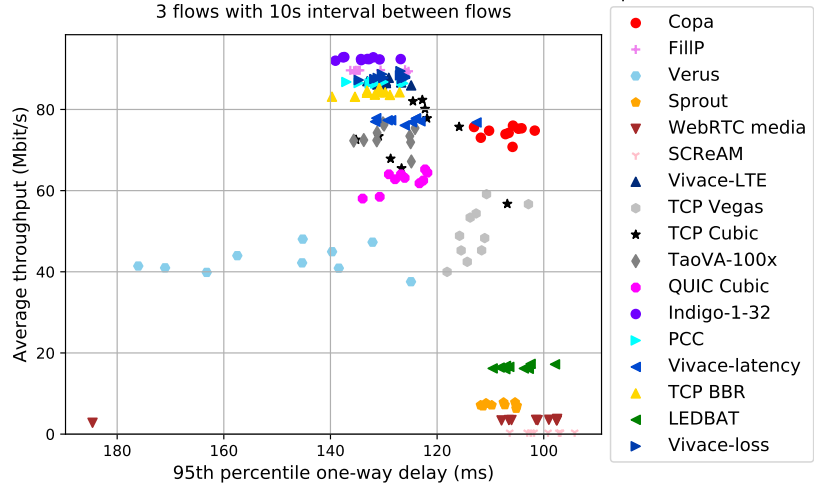
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



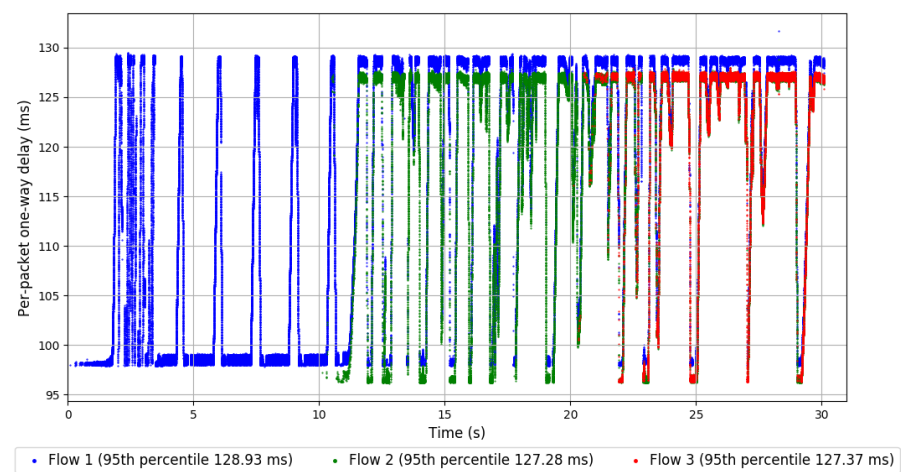
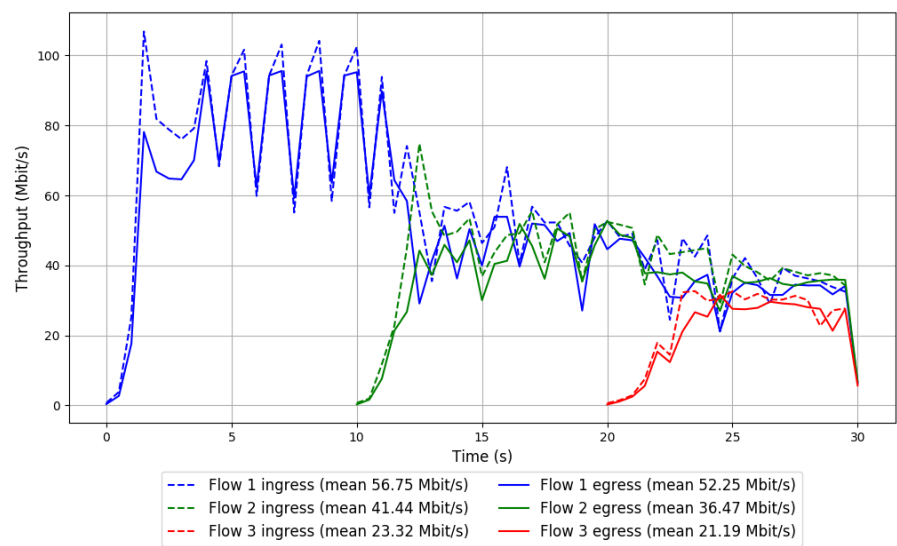
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	52.63	35.50	23.34	128.48	131.04	131.22	6.79	9.83	14.03
TCP Cubic	10	40.95	36.19	25.20	121.95	123.52	125.63	0.55	1.04	1.26
LEDBAT	10	10.64	7.12	3.49	104.02	102.63	102.68	0.01	0.00	0.00
PCC	10	78.74	8.26	7.59	131.24	131.41	130.69	2.70	3.75	5.82
QUIC Cubic	10	41.21	23.95	16.40	127.45	123.29	125.88	0.70	0.68	1.07
SCReAM	10	0.22	0.22	0.22	97.92	98.11	97.97	0.00	0.04	0.00
WebRTC media	10	1.97	1.16	0.30	115.13	108.18	98.95	0.00	0.00	0.09
Sprout	10	3.75	3.72	3.09	108.44	107.93	107.46	0.00	0.00	0.00
TaoVA-100x	10	42.64	28.62	34.97	128.87	128.80	128.56	4.36	8.43	8.56
TCP Vegas	10	23.30	25.05	28.28	111.03	114.02	114.03	0.62	0.87	1.71
Verus	10	25.12	20.33	13.62	148.37	138.90	136.19	43.93	38.49	39.31
Copa	10	45.43	35.59	15.82	103.89	109.57	111.13	0.00	0.01	0.01
FillP	10	52.30	37.77	36.52	130.51	129.43	129.54	13.40	18.85	28.70
Indigo-1-32	10	62.09	24.50	44.16	129.99	132.98	130.84	21.19	47.99	66.11
Vivace-latency	10	66.96	11.92	7.00	125.62	126.88	123.67	0.37	0.67	0.54
Vivace-loss	10	81.80	7.34	4.12	129.01	129.38	127.92	3.01	2.92	3.76
Vivace-LTE	10	75.17	11.81	11.05	129.40	129.68	127.92	3.05	2.17	2.75

Run 1: Statistics of TCP BBR

Start at: 2018-02-04 21:34:38
End at: 2018-02-04 21:35:08
Local clock offset: -0.141 ms
Remote clock offset: -0.836 ms

Below is generated by plot.py at 2018-02-05 01:49:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 128.856 ms
Loss rate: 9.15%
-- Flow 1:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 128.925 ms
Loss rate: 7.85%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 127.283 ms
Loss rate: 11.87%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 127.366 ms
Loss rate: 9.01%

Run 1: Report of TCP BBR — Data Link

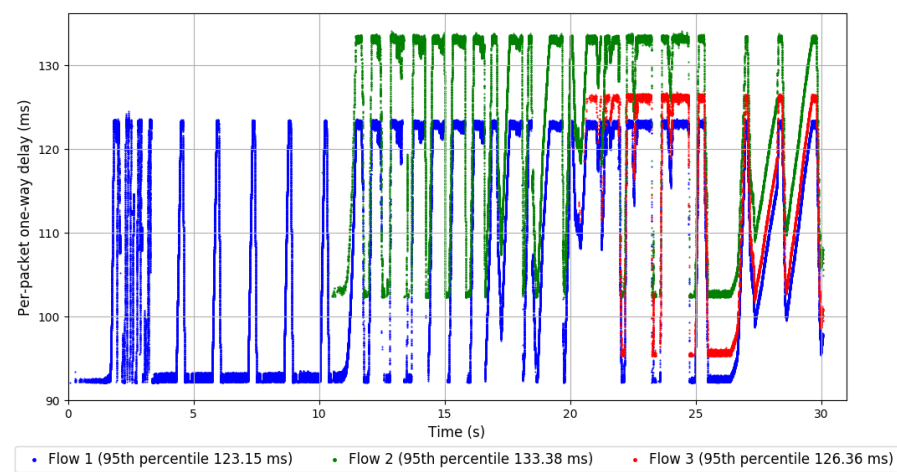
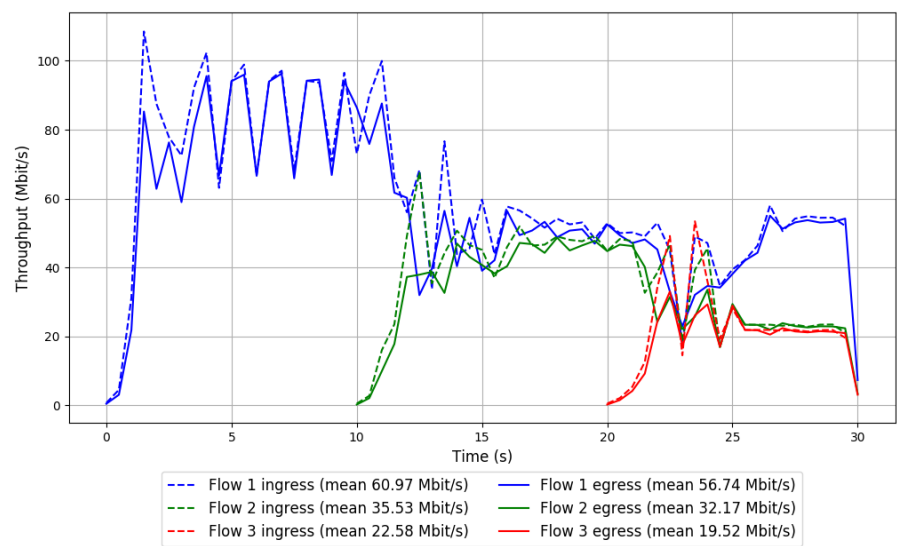


Run 2: Statistics of TCP BBR

Start at: 2018-02-04 21:58:33
End at: 2018-02-04 21:59:03
Local clock offset: -0.16 ms
Remote clock offset: -2.075 ms

Below is generated by plot.py at 2018-02-05 01:49:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 133.124 ms
Loss rate: 8.14%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 123.153 ms
Loss rate: 6.91%
-- Flow 2:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 133.375 ms
Loss rate: 9.55%
-- Flow 3:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 126.362 ms
Loss rate: 13.71%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-04 22:22:27

End at: 2018-02-04 22:22:57

Local clock offset: -0.218 ms

Remote clock offset: 2.435 ms

Below is generated by plot.py at 2018-02-05 01:49:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 130.840 ms

Loss rate: 8.25%

-- Flow 1:

Average throughput: 53.93 Mbit/s

95th percentile per-packet one-way delay: 129.741 ms

Loss rate: 6.98%

-- Flow 2:

Average throughput: 34.32 Mbit/s

95th percentile per-packet one-way delay: 130.910 ms

Loss rate: 8.46%

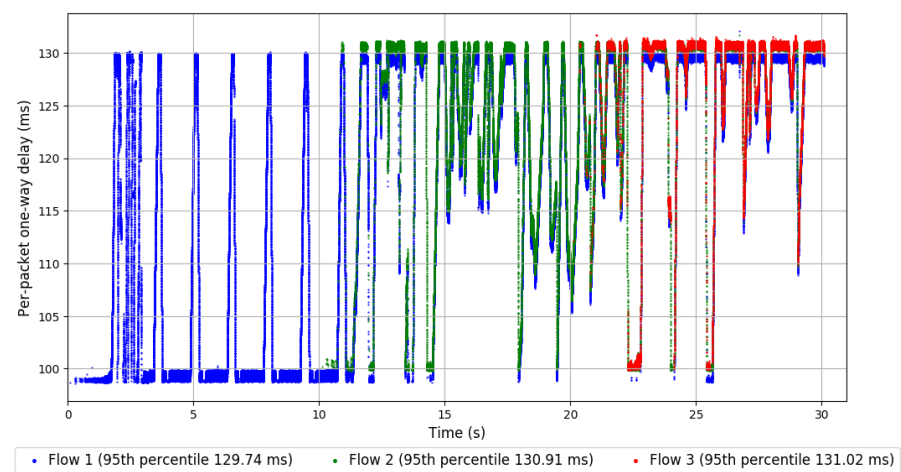
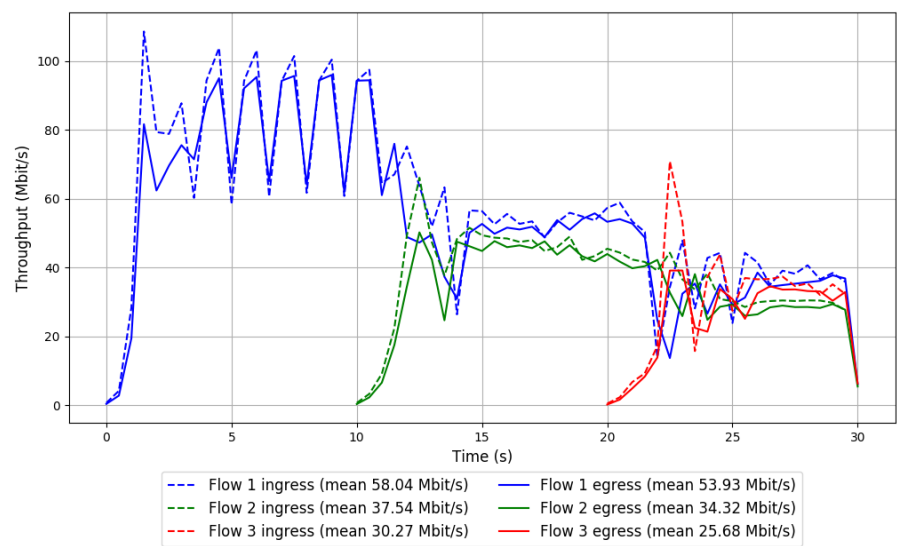
-- Flow 3:

Average throughput: 25.68 Mbit/s

95th percentile per-packet one-way delay: 131.020 ms

Loss rate: 15.03%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-04 22:46:19

End at: 2018-02-04 22:46:49

Local clock offset: -0.146 ms

Remote clock offset: 3.124 ms

Below is generated by plot.py at 2018-02-05 01:49:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.12 Mbit/s

95th percentile per-packet one-way delay: 133.162 ms

Loss rate: 9.36%

-- Flow 1:

Average throughput: 46.43 Mbit/s

95th percentile per-packet one-way delay: 130.060 ms

Loss rate: 6.32%

-- Flow 2:

Average throughput: 43.47 Mbit/s

95th percentile per-packet one-way delay: 132.304 ms

Loss rate: 11.32%

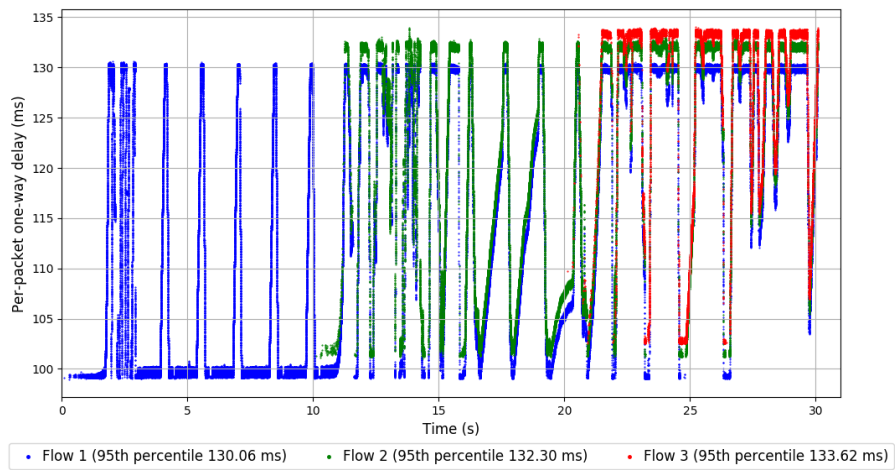
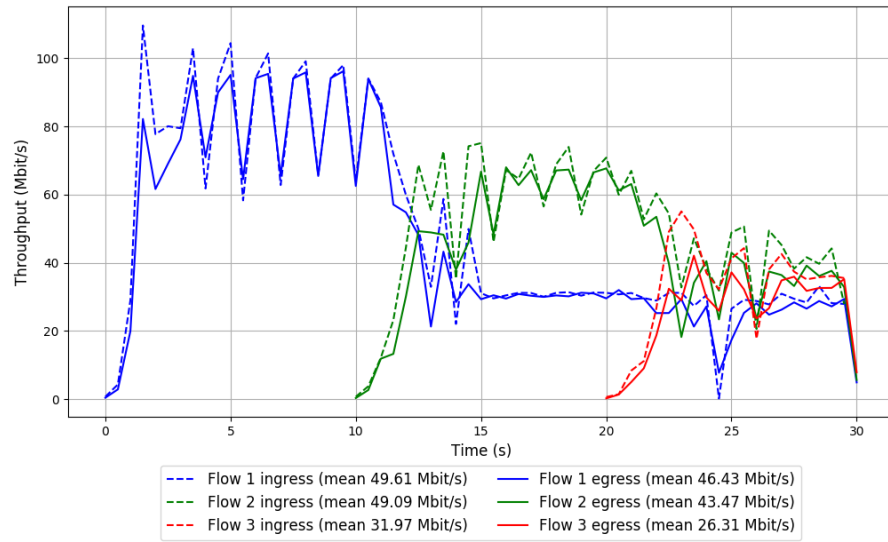
-- Flow 3:

Average throughput: 26.31 Mbit/s

95th percentile per-packet one-way delay: 133.624 ms

Loss rate: 17.51%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-04 23:10:10

End at: 2018-02-04 23:10:40

Local clock offset: -0.185 ms

Remote clock offset: 4.935 ms

Below is generated by plot.py at 2018-02-05 01:49:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.13 Mbit/s

95th percentile per-packet one-way delay: 135.408 ms

Loss rate: 9.92%

-- Flow 1:

Average throughput: 50.94 Mbit/s

95th percentile per-packet one-way delay: 133.265 ms

Loss rate: 7.31%

-- Flow 2:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 131.570 ms

Loss rate: 12.89%

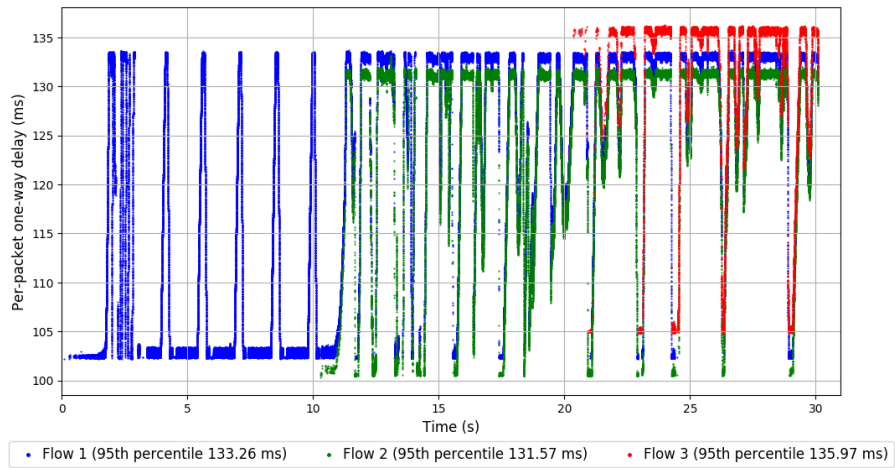
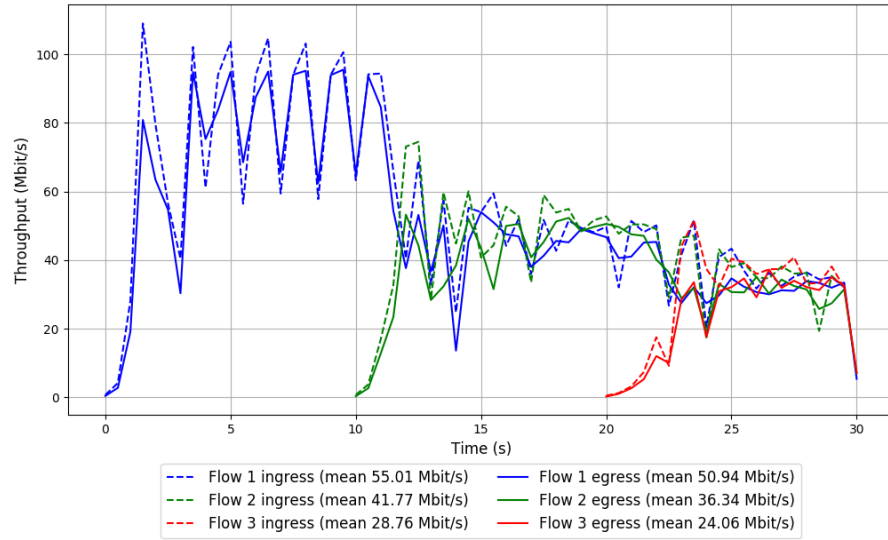
-- Flow 3:

Average throughput: 24.06 Mbit/s

95th percentile per-packet one-way delay: 135.969 ms

Loss rate: 16.29%

Run 5: Report of TCP BBR — Data Link

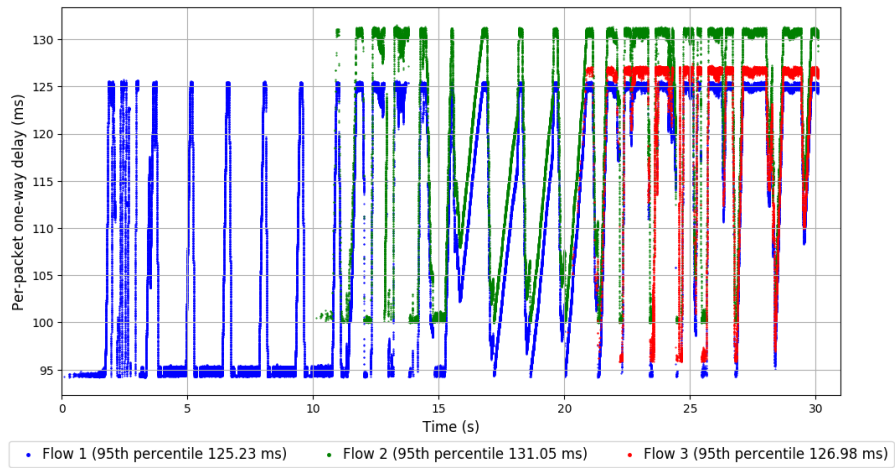
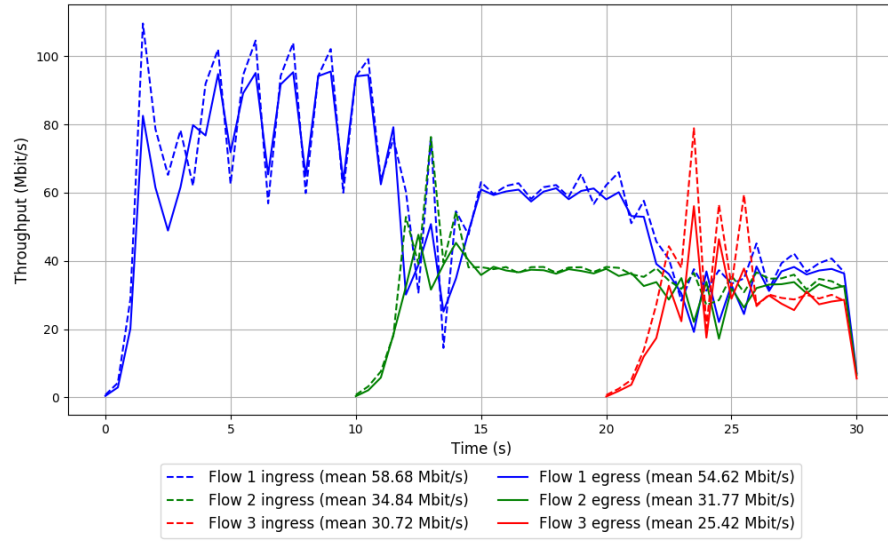


Run 6: Statistics of TCP BBR

Start at: 2018-02-04 23:33:56
End at: 2018-02-04 23:34:26
Local clock offset: -0.2 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-02-05 01:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 130.785 ms
Loss rate: 8.42%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 125.229 ms
Loss rate: 6.82%
-- Flow 2:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 131.053 ms
Loss rate: 8.69%
-- Flow 3:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 126.984 ms
Loss rate: 17.05%

Run 6: Report of TCP BBR — Data Link

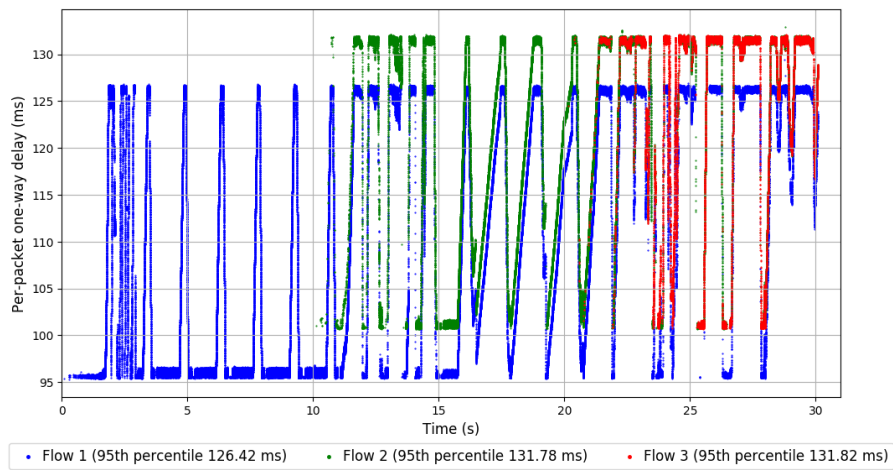
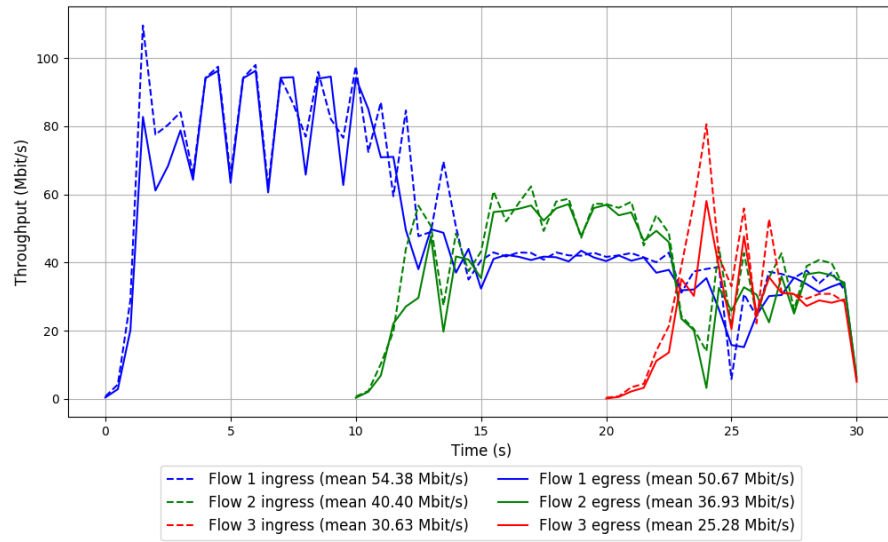


Run 7: Statistics of TCP BBR

Start at: 2018-02-04 23:57:46
End at: 2018-02-04 23:58:16
Local clock offset: -0.174 ms
Remote clock offset: -1.579 ms

Below is generated by plot.py at 2018-02-05 01:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.65 Mbit/s
95th percentile per-packet one-way delay: 131.670 ms
Loss rate: 8.43%
-- Flow 1:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 126.422 ms
Loss rate: 6.73%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 131.776 ms
Loss rate: 8.46%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 131.822 ms
Loss rate: 17.45%

Run 7: Report of TCP BBR — Data Link

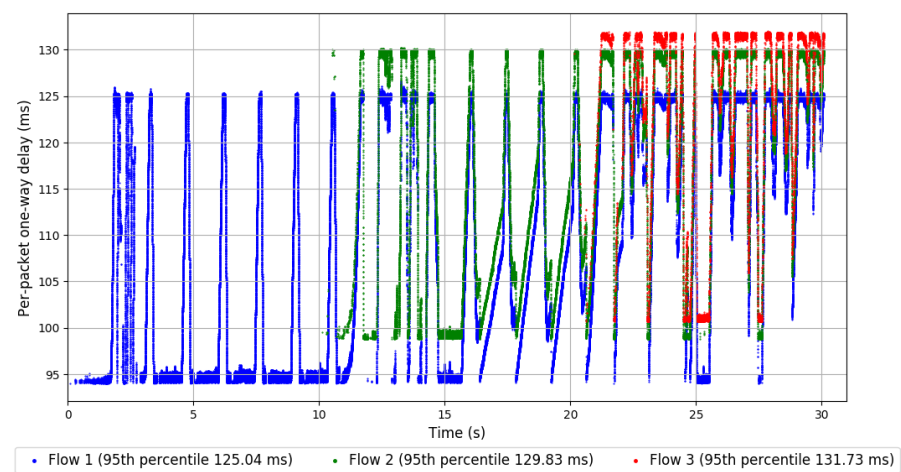
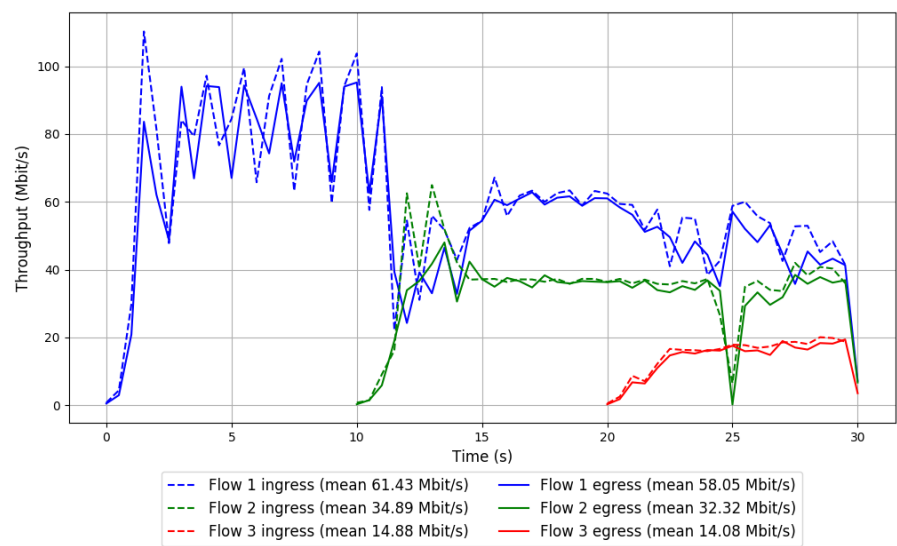


Run 8: Statistics of TCP BBR

Start at: 2018-02-05 00:21:39
End at: 2018-02-05 00:22:09
Local clock offset: -0.193 ms
Remote clock offset: -2.164 ms

Below is generated by plot.py at 2018-02-05 01:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 129.731 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 125.038 ms
Loss rate: 5.40%
-- Flow 2:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 129.828 ms
Loss rate: 7.26%
-- Flow 3:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 131.728 ms
Loss rate: 5.40%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-05 00:45:26

End at: 2018-02-05 00:45:56

Local clock offset: -0.174 ms

Remote clock offset: 3.826 ms

Below is generated by plot.py at 2018-02-05 01:50:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.15 Mbit/s

95th percentile per-packet one-way delay: 139.718 ms

Loss rate: 9.61%

-- Flow 1:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 135.948 ms

Loss rate: 7.53%

-- Flow 2:

Average throughput: 33.98 Mbit/s

95th percentile per-packet one-way delay: 136.575 ms

Loss rate: 10.75%

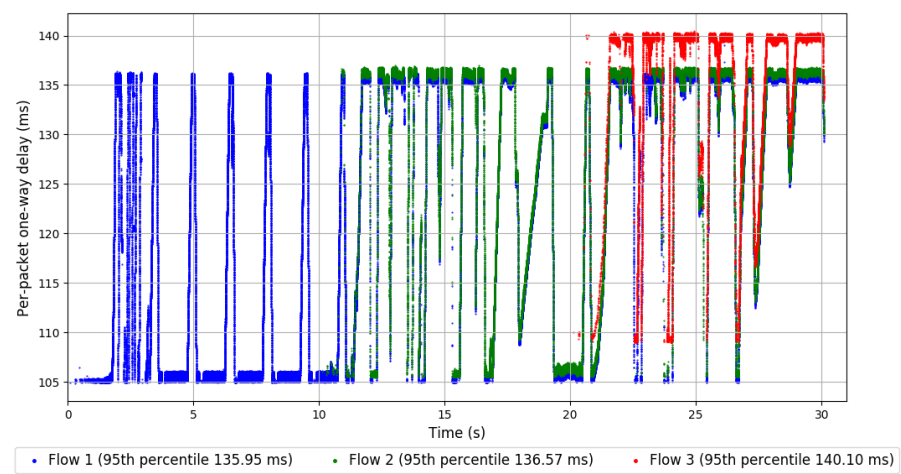
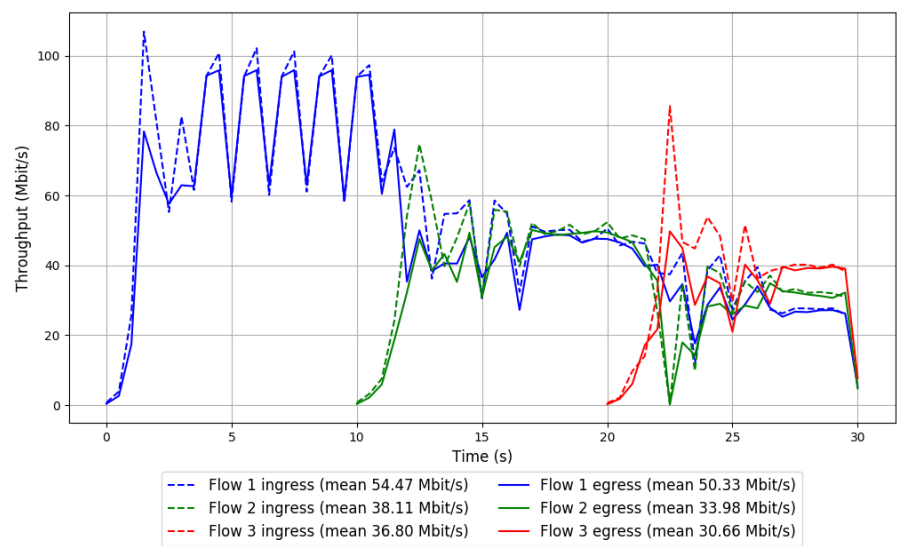
-- Flow 3:

Average throughput: 30.66 Mbit/s

95th percentile per-packet one-way delay: 140.103 ms

Loss rate: 16.50%

Run 9: Report of TCP BBR — Data Link

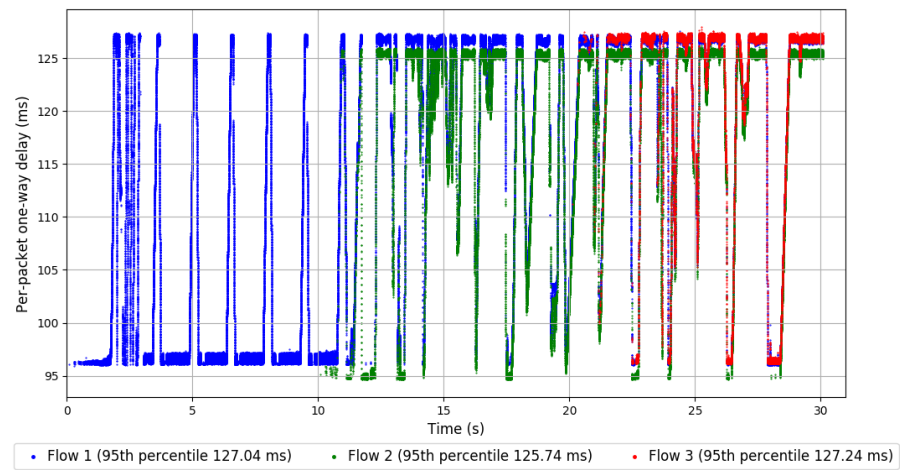
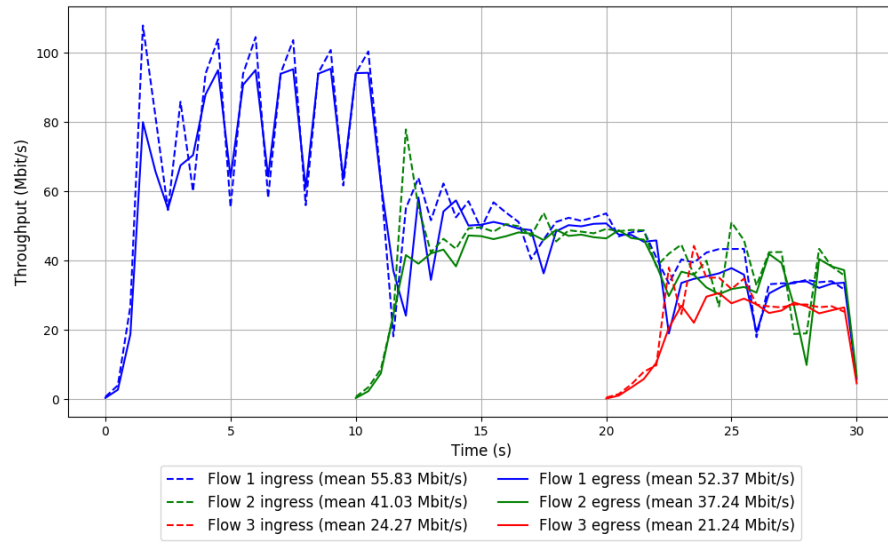


Run 10: Statistics of TCP BBR

Start at: 2018-02-05 01:09:18
End at: 2018-02-05 01:09:48
Local clock offset: -0.096 ms
Remote clock offset: -2.118 ms

Below is generated by plot.py at 2018-02-05 01:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 127.039 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 52.37 Mbit/s
95th percentile per-packet one-way delay: 127.039 ms
Loss rate: 6.10%
-- Flow 2:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 125.741 ms
Loss rate: 9.09%
-- Flow 3:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 127.236 ms
Loss rate: 12.39%

Run 10: Report of TCP BBR — Data Link

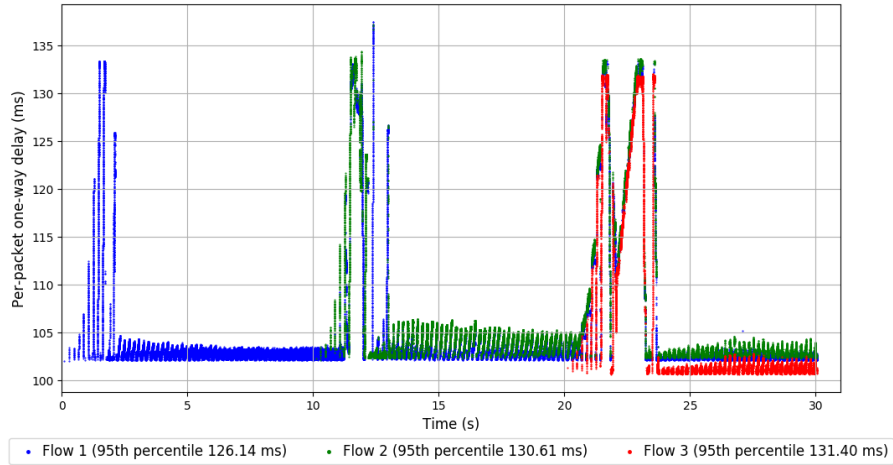
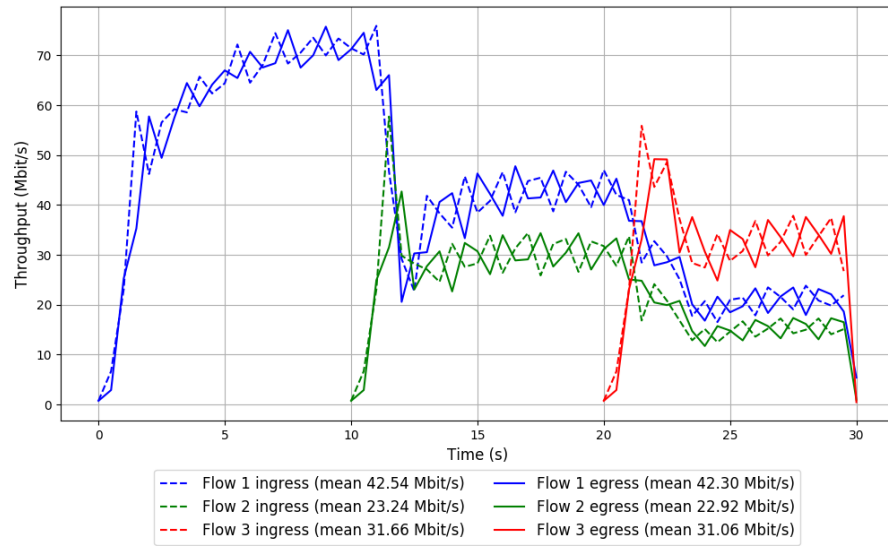


Run 1: Statistics of TCP Cubic

Start at: 2018-02-04 21:25:21
End at: 2018-02-04 21:25:51
Local clock offset: -0.191 ms
Remote clock offset: -1.665 ms

Below is generated by plot.py at 2018-02-05 01:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 128.721 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 126.140 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 130.606 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 131.404 ms
Loss rate: 1.99%

Run 1: Report of TCP Cubic — Data Link

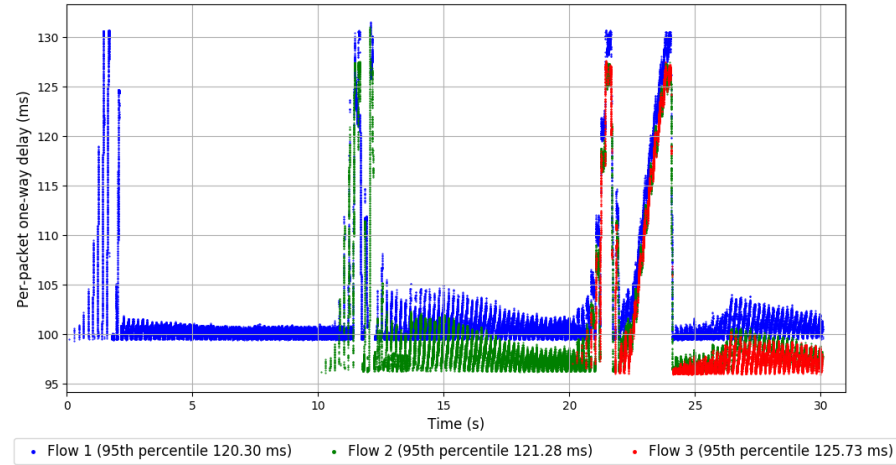
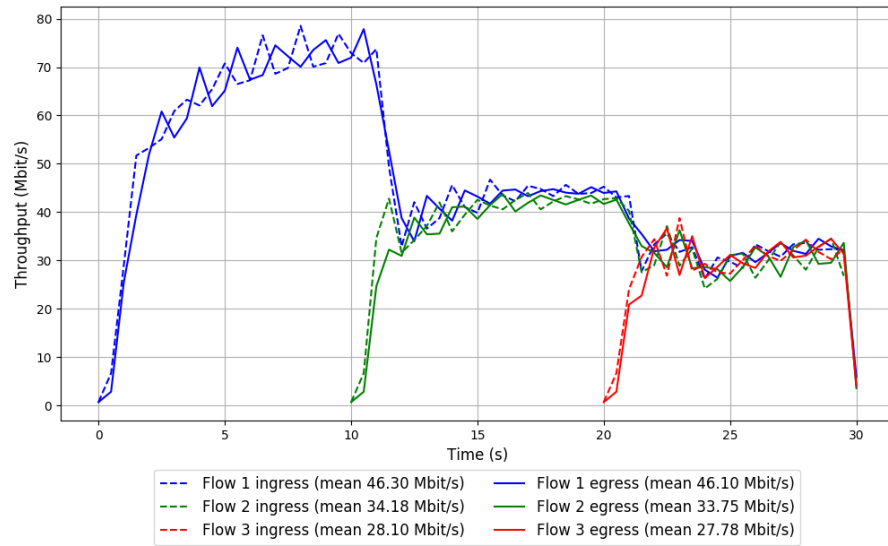


Run 2: Statistics of TCP Cubic

Start at: 2018-02-04 21:49:13
End at: 2018-02-04 21:49:43
Local clock offset: -0.149 ms
Remote clock offset: -1.098 ms

Below is generated by plot.py at 2018-02-05 01:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 121.890 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 120.301 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 121.278 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 27.78 Mbit/s
95th percentile per-packet one-way delay: 125.732 ms
Loss rate: 1.12%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-04 22:13:09

End at: 2018-02-04 22:13:39

Local clock offset: -0.159 ms

Remote clock offset: 2.586 ms

Below is generated by plot.py at 2018-02-05 01:50:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.53 Mbit/s

95th percentile per-packet one-way delay: 135.197 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 35.73 Mbit/s

95th percentile per-packet one-way delay: 136.444 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 50.83 Mbit/s

95th percentile per-packet one-way delay: 133.676 ms

Loss rate: 0.37%

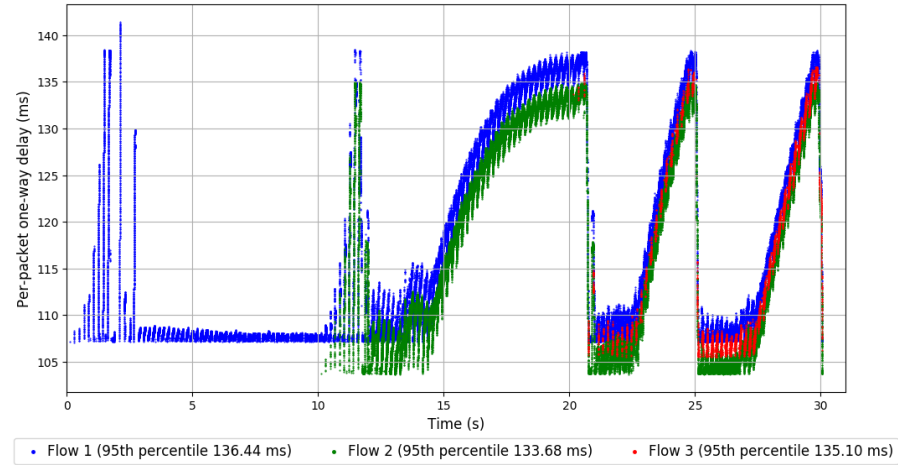
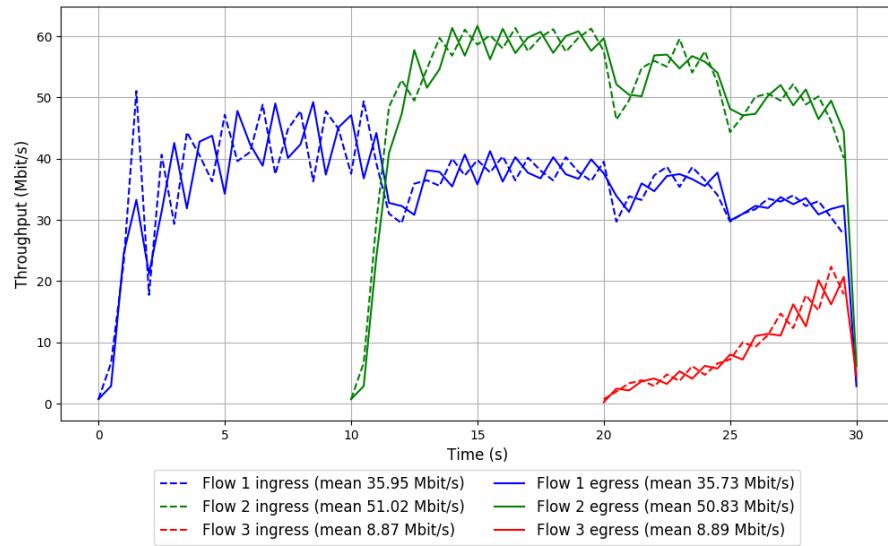
-- Flow 3:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 135.098 ms

Loss rate: 0.11%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-04 22:37:02

End at: 2018-02-04 22:37:32

Local clock offset: -0.149 ms

Remote clock offset: 2.224 ms

Below is generated by plot.py at 2018-02-05 01:50:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.49 Mbit/s

95th percentile per-packet one-way delay: 126.667 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 29.27 Mbit/s

95th percentile per-packet one-way delay: 120.208 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 34.17 Mbit/s

95th percentile per-packet one-way delay: 126.523 ms

Loss rate: 1.04%

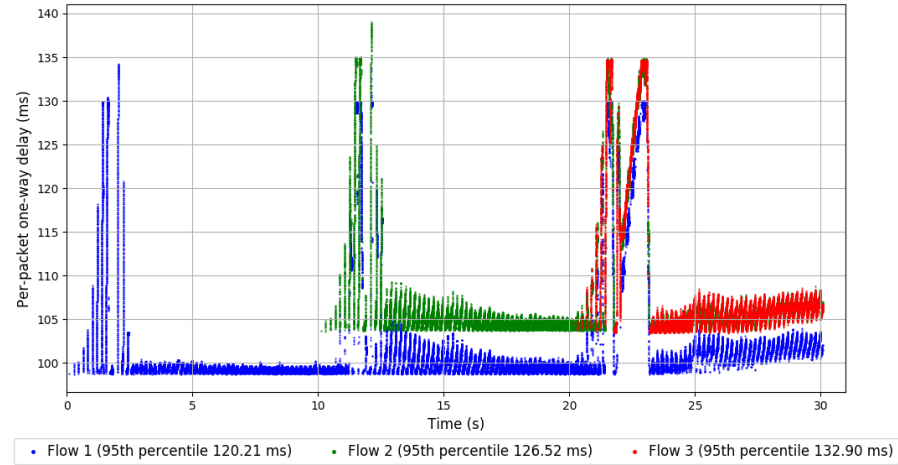
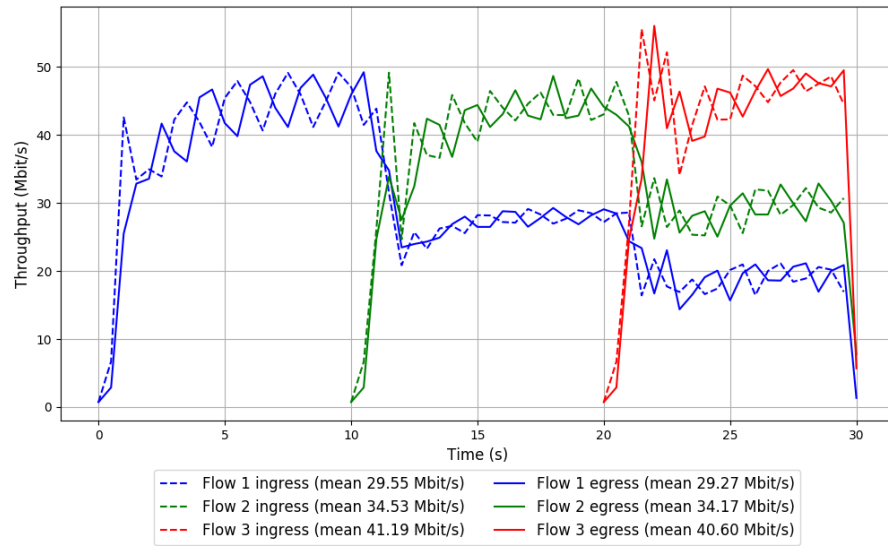
-- Flow 3:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 132.899 ms

Loss rate: 1.45%

Run 4: Report of TCP Cubic — Data Link

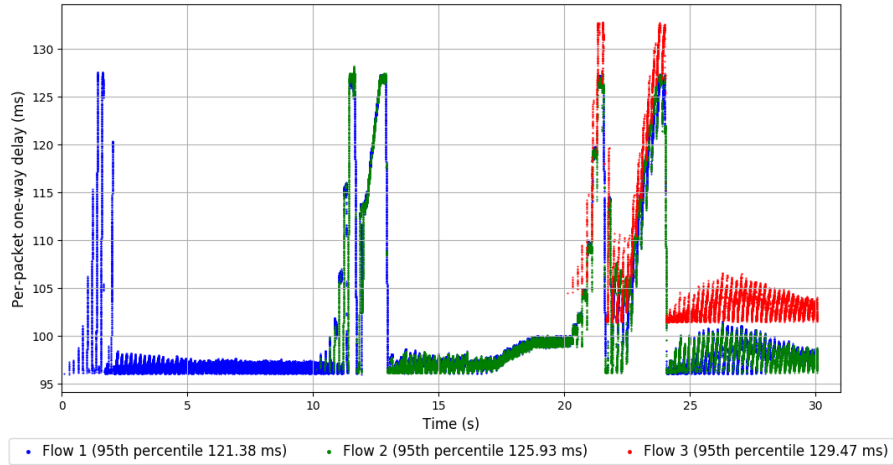
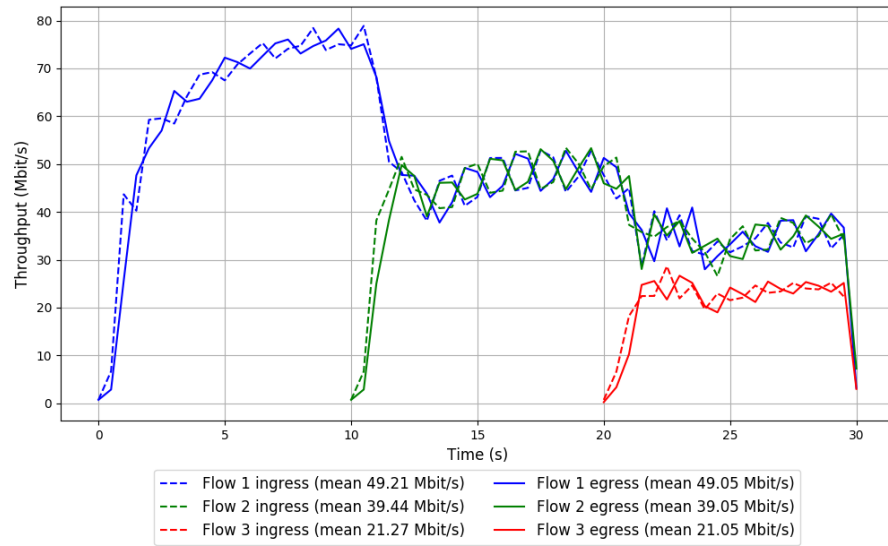


Run 5: Statistics of TCP Cubic

Start at: 2018-02-04 23:00:54
End at: 2018-02-04 23:01:24
Local clock offset: -0.159 ms
Remote clock offset: -0.893 ms

Below is generated by plot.py at 2018-02-05 01:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.02 Mbit/s
95th percentile per-packet one-way delay: 124.532 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 49.05 Mbit/s
95th percentile per-packet one-way delay: 121.378 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 125.933 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 129.465 ms
Loss rate: 1.08%

Run 5: Report of TCP Cubic — Data Link

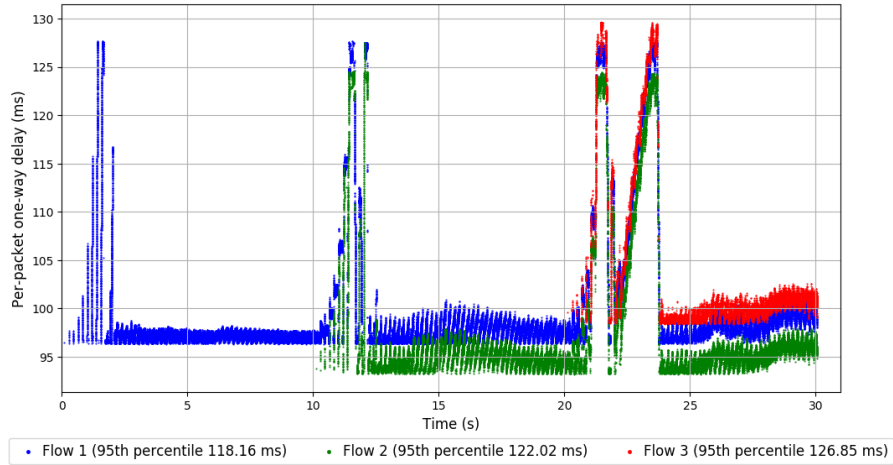
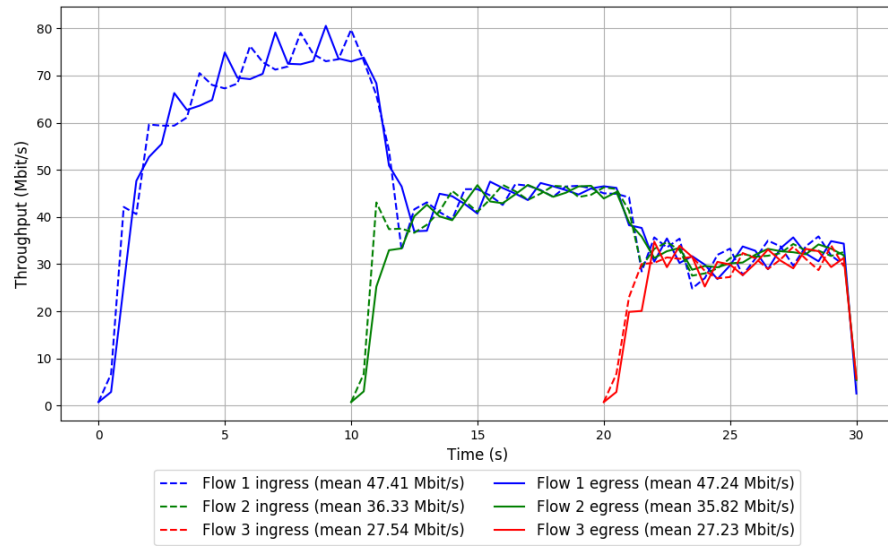


Run 6: Statistics of TCP Cubic

Start at: 2018-02-04 23:24:43
End at: 2018-02-04 23:25:13
Local clock offset: -0.154 ms
Remote clock offset: -0.606 ms

Below is generated by plot.py at 2018-02-05 01:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 122.266 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 118.160 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 122.022 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 126.851 ms
Loss rate: 1.16%

Run 6: Report of TCP Cubic — Data Link

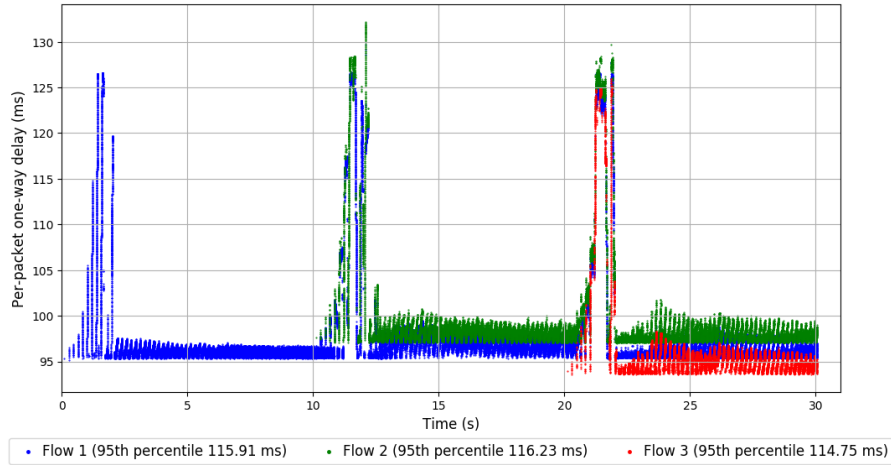
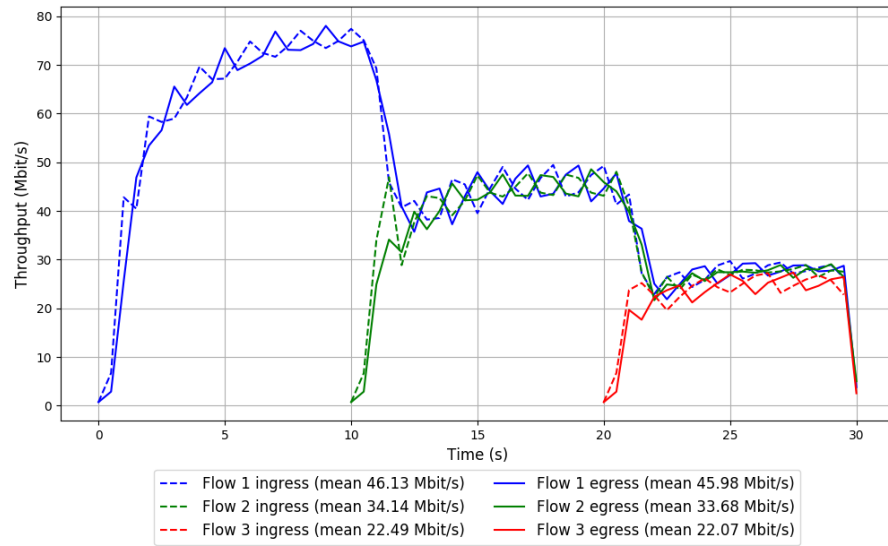


Run 7: Statistics of TCP Cubic

Start at: 2018-02-04 23:48:31
End at: 2018-02-04 23:49:01
Local clock offset: -0.098 ms
Remote clock offset: -1.073 ms

Below is generated by plot.py at 2018-02-05 01:51:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 115.864 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 45.98 Mbit/s
95th percentile per-packet one-way delay: 115.910 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 116.232 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 114.755 ms
Loss rate: 1.84%

Run 7: Report of TCP Cubic — Data Link

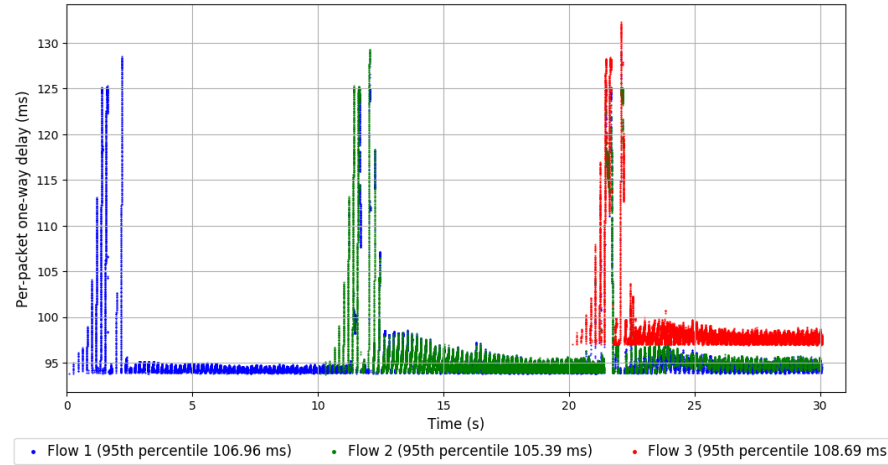
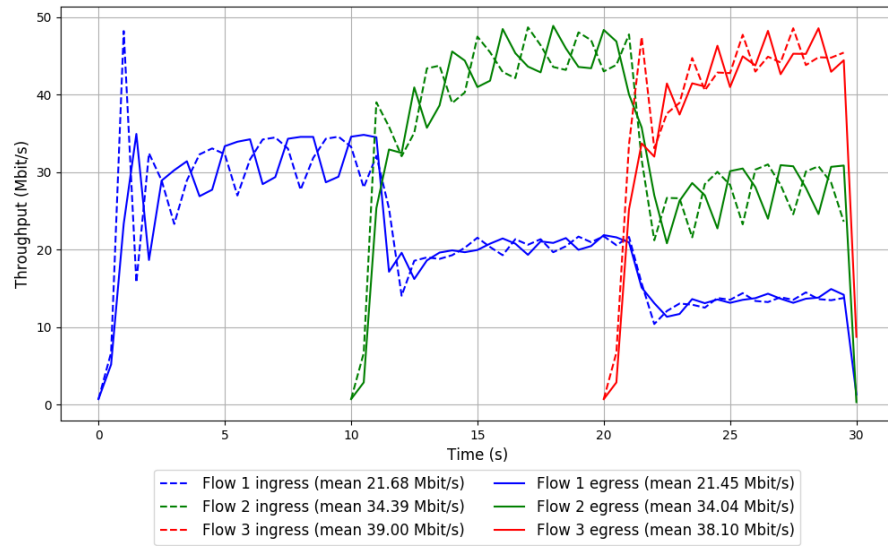


Run 8: Statistics of TCP Cubic

Start at: 2018-02-05 00:12:24
End at: 2018-02-05 00:12:54
Local clock offset: -0.088 ms
Remote clock offset: -1.957 ms

Below is generated by plot.py at 2018-02-05 01:51:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 106.828 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 106.958 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 105.390 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 108.690 ms
Loss rate: 2.33%

Run 8: Report of TCP Cubic — Data Link

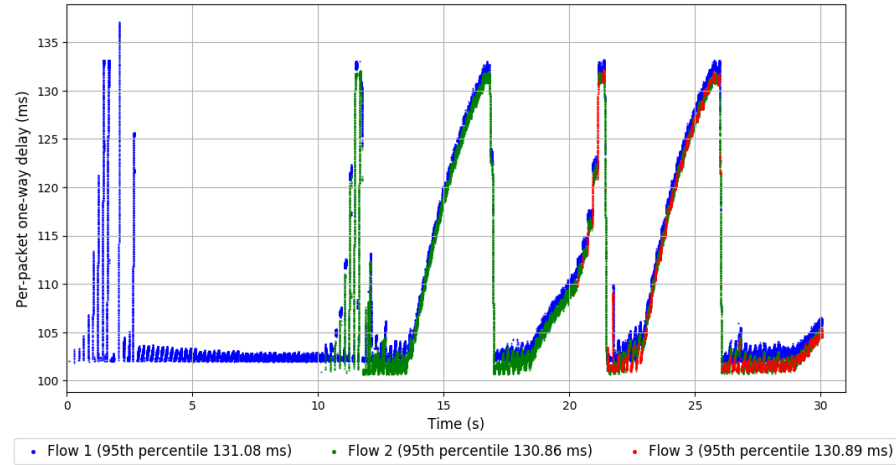
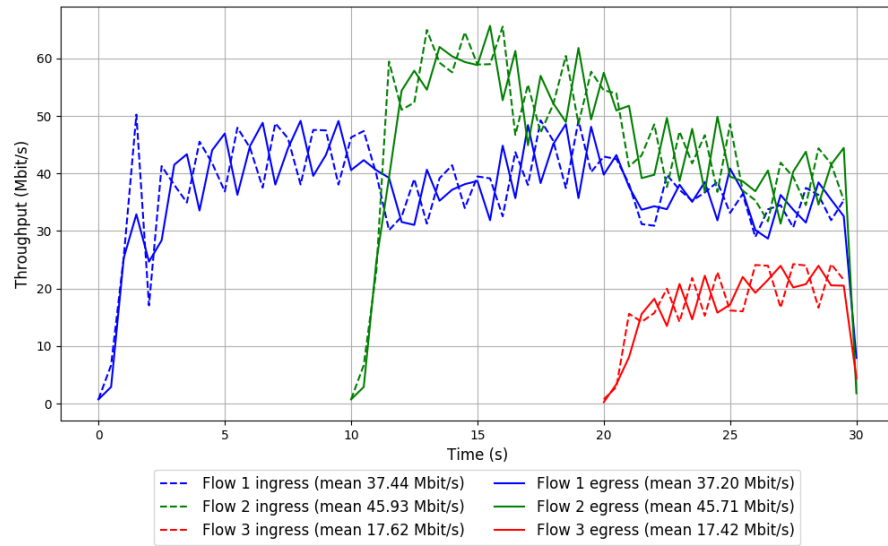


Run 9: Statistics of TCP Cubic

Start at: 2018-02-05 00:36:12
End at: 2018-02-05 00:36:42
Local clock offset: -0.172 ms
Remote clock offset: -2.582 ms

Below is generated by plot.py at 2018-02-05 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 130.941 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 131.082 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 130.861 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 17.42 Mbit/s
95th percentile per-packet one-way delay: 130.891 ms
Loss rate: 1.20%

Run 9: Report of TCP Cubic — Data Link

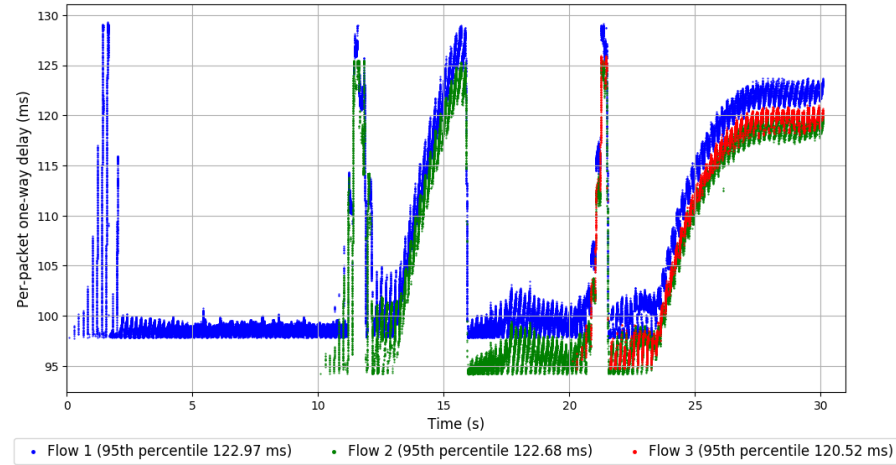
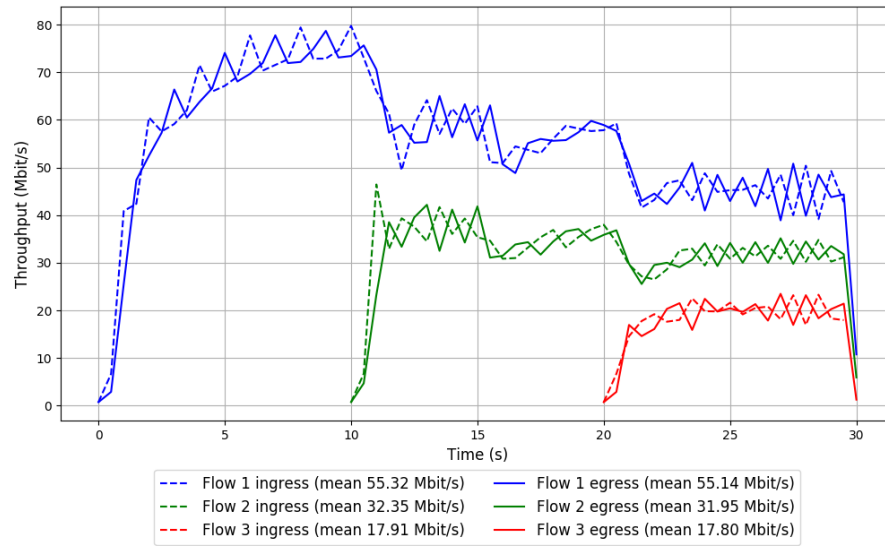


Run 10: Statistics of TCP Cubic

Start at: 2018-02-05 01:00:02
End at: 2018-02-05 01:00:32
Local clock offset: -0.111 ms
Remote clock offset: -2.209 ms

Below is generated by plot.py at 2018-02-05 01:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 122.767 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 122.967 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 122.681 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 17.80 Mbit/s
95th percentile per-packet one-way delay: 120.517 ms
Loss rate: 0.36%

Run 10: Report of TCP Cubic — Data Link

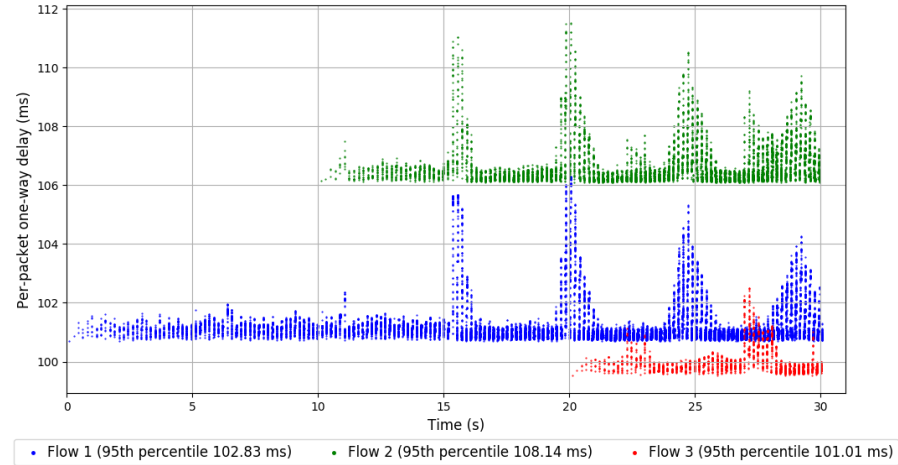
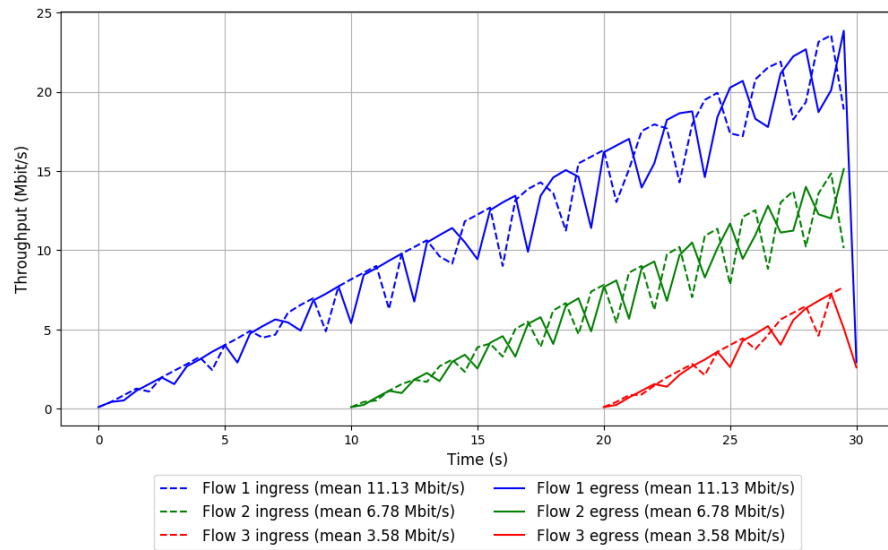


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-04 21:37:21
End at: 2018-02-04 21:37:51
Local clock offset: -0.148 ms
Remote clock offset: 3.836 ms

# Below is generated by plot.py at 2018-02-05 01:51:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 107.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 102.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 108.143 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 101.011 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

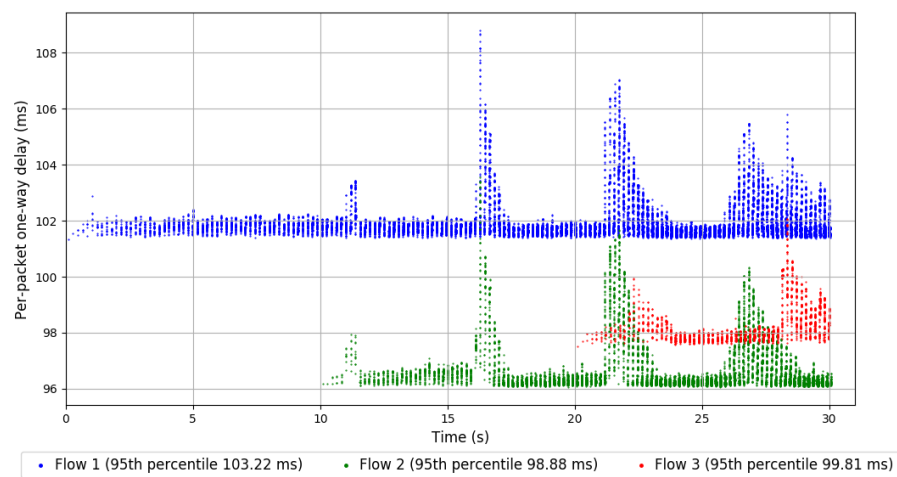
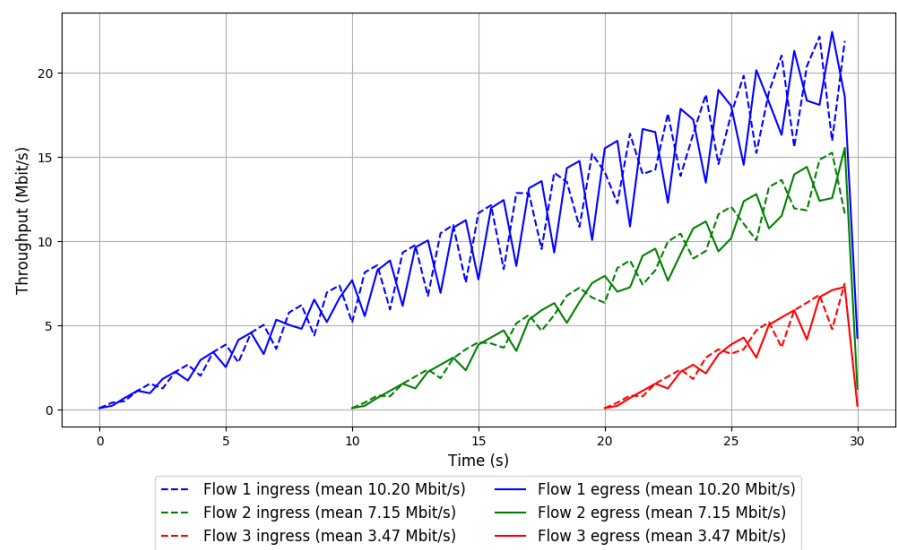


Run 2: Statistics of LEDBAT

Start at: 2018-02-04 22:01:16
End at: 2018-02-04 22:01:46
Local clock offset: -0.151 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2018-02-05 01:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 102.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 103.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 98.880 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 99.809 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

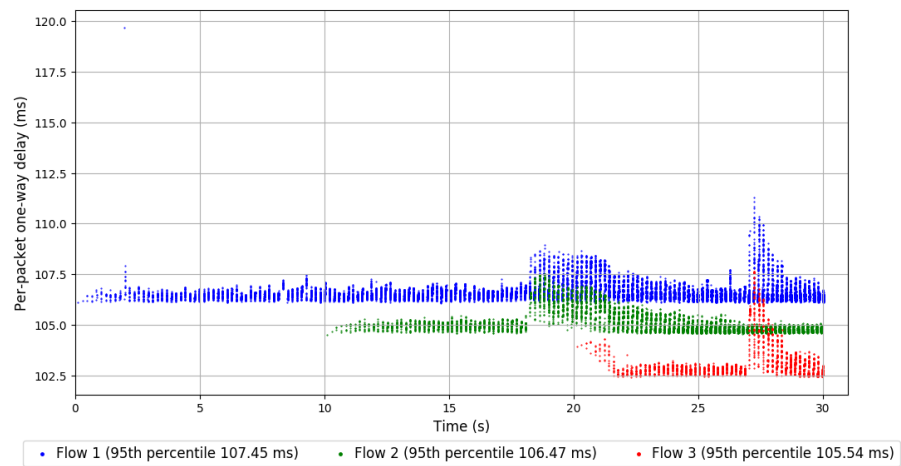
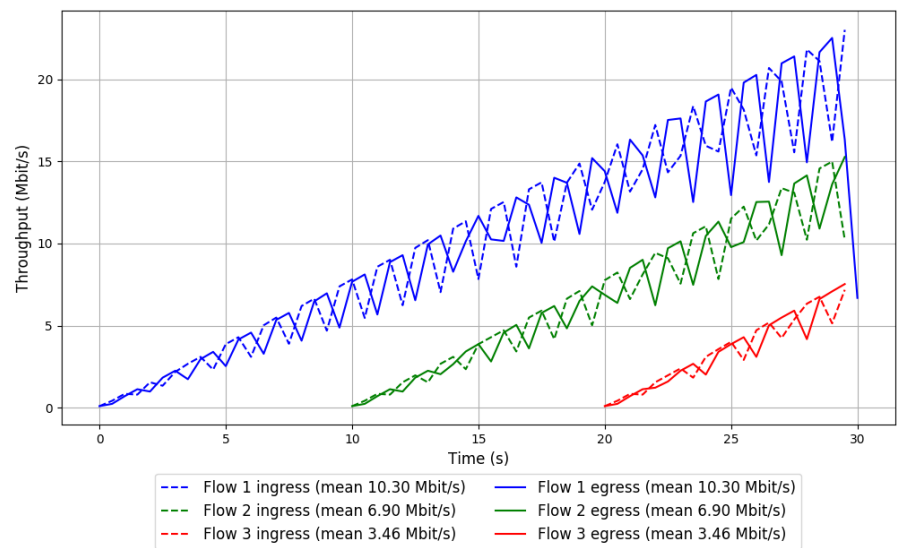


Run 3: Statistics of LEDBAT

Start at: 2018-02-04 22:25:10
End at: 2018-02-04 22:25:40
Local clock offset: -0.146 ms
Remote clock offset: 3.279 ms

Below is generated by plot.py at 2018-02-05 01:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 107.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 107.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 106.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 105.541 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

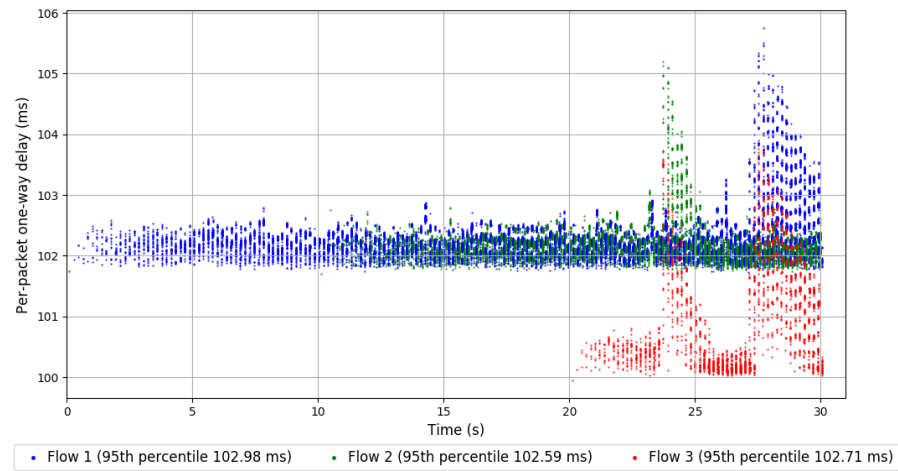
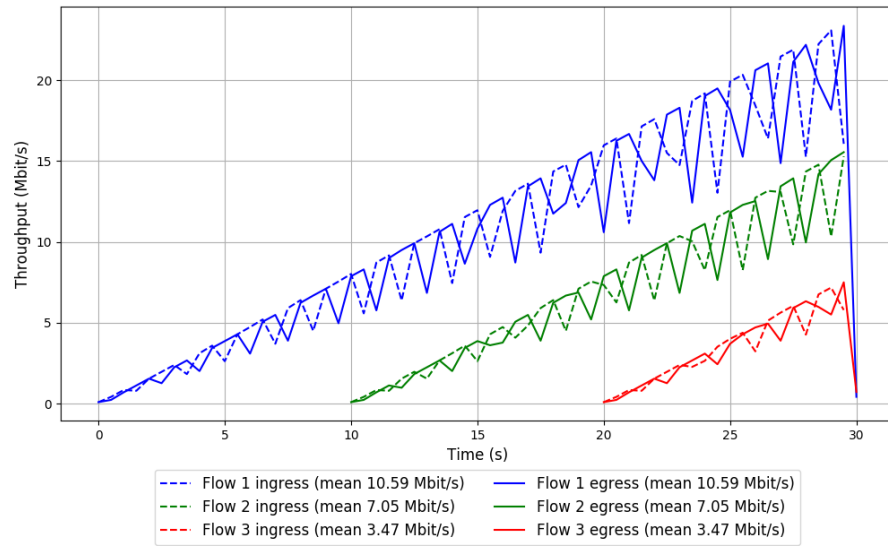


Run 4: Statistics of LEDBAT

Start at: 2018-02-04 22:49:02
End at: 2018-02-04 22:49:32
Local clock offset: -0.156 ms
Remote clock offset: 2.483 ms

Below is generated by plot.py at 2018-02-05 01:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 102.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 102.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 102.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 102.708 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

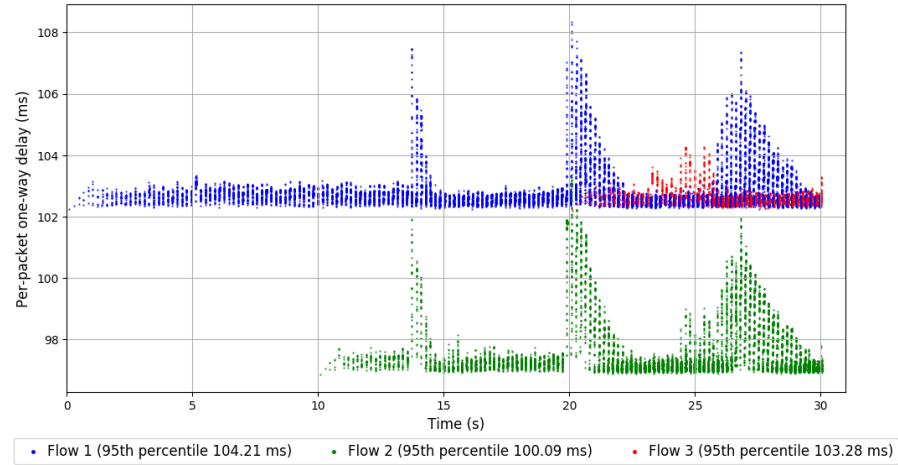
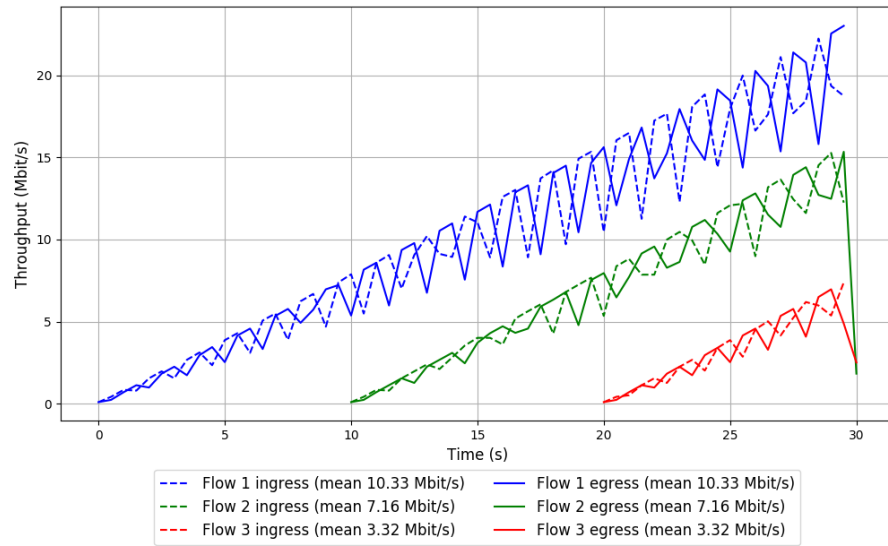


Run 5: Statistics of LEDBAT

Start at: 2018-02-04 23:12:51
End at: 2018-02-04 23:13:21
Local clock offset: -0.167 ms
Remote clock offset: -1.581 ms

Below is generated by plot.py at 2018-02-05 01:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 103.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 104.211 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 100.087 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 103.279 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-04 23:36:38

End at: 2018-02-04 23:37:08

Local clock offset: -0.215 ms

Remote clock offset: 4.455 ms

Below is generated by plot.py at 2018-02-05 01:51:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.19 Mbit/s

95th percentile per-packet one-way delay: 109.590 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 10.15 Mbit/s

95th percentile per-packet one-way delay: 110.033 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 101.862 ms

Loss rate: 0.00%

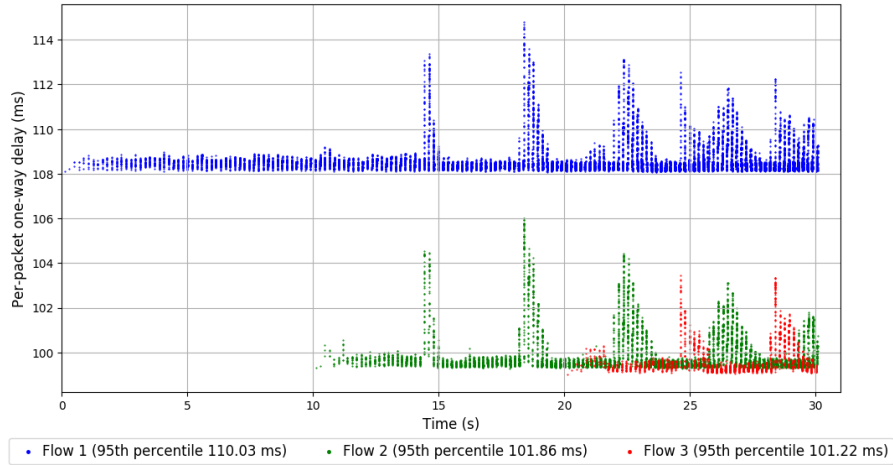
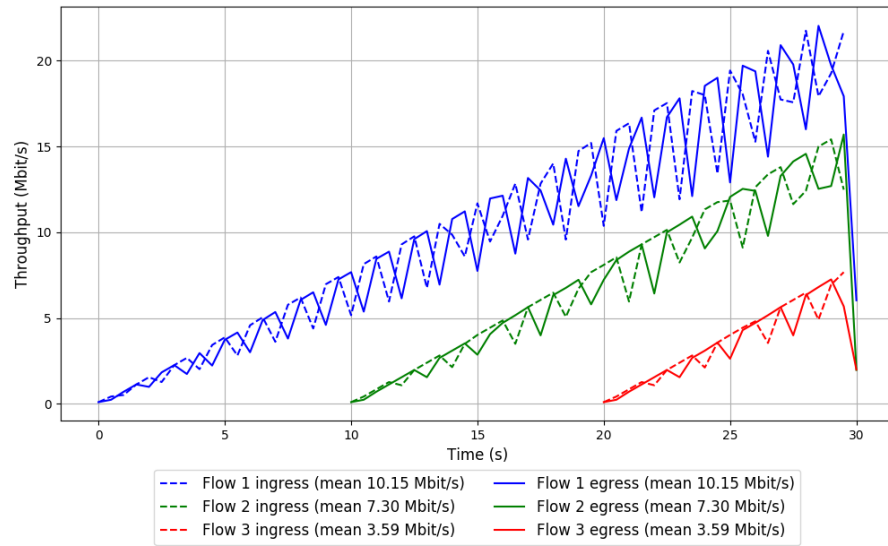
-- Flow 3:

Average throughput: 3.59 Mbit/s

95th percentile per-packet one-way delay: 101.217 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

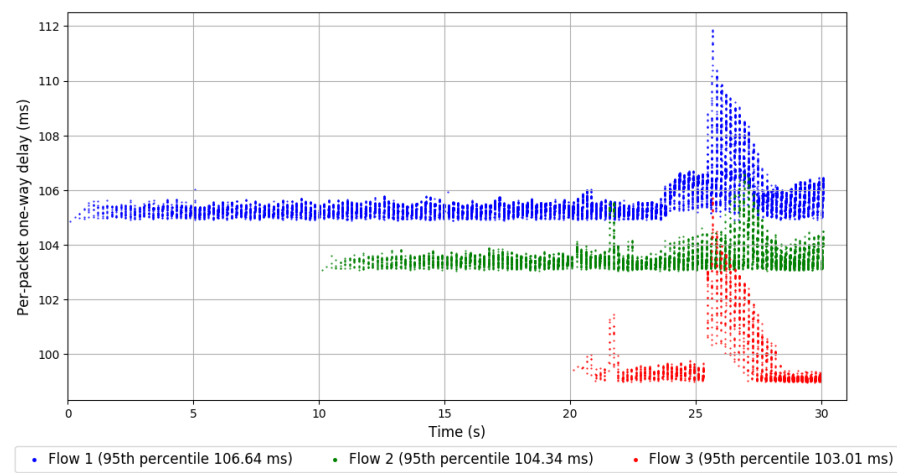
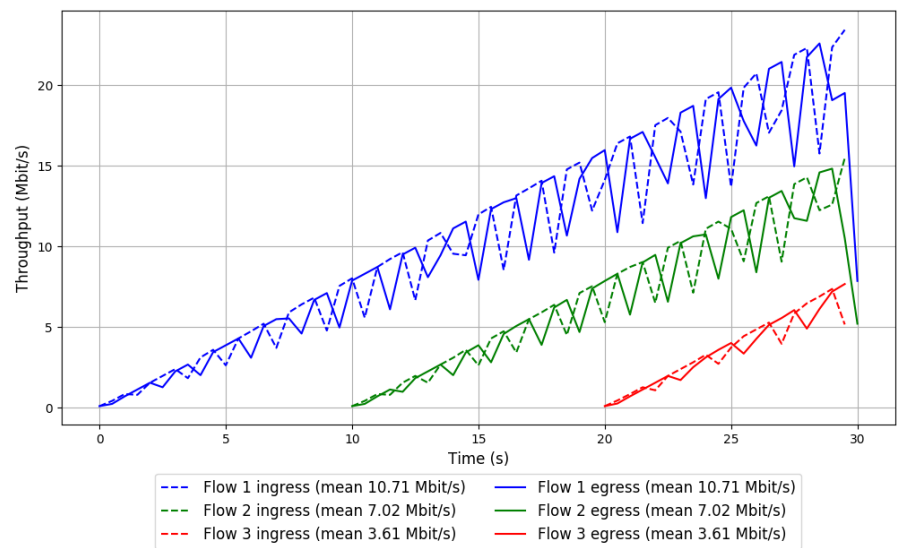


Run 7: Statistics of LEDBAT

Start at: 2018-02-05 00:00:29
End at: 2018-02-05 00:00:59
Local clock offset: -0.093 ms
Remote clock offset: 4.061 ms

Below is generated by plot.py at 2018-02-05 01:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 106.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 106.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 104.339 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 103.006 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

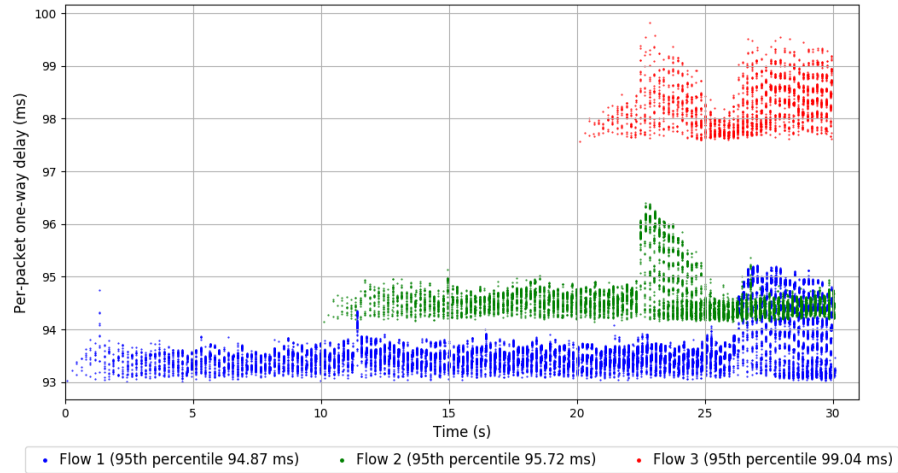
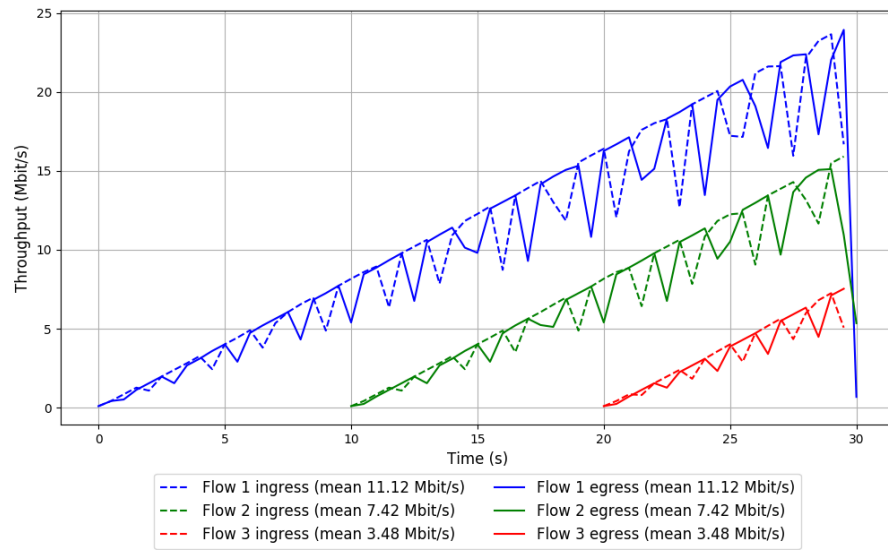


Run 8: Statistics of LEDBAT

Start at: 2018-02-05 00:24:20
End at: 2018-02-05 00:24:50
Local clock offset: -0.179 ms
Remote clock offset: -1.433 ms

Below is generated by plot.py at 2018-02-05 01:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 97.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 94.872 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 95.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 99.037 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-05 00:48:08

End at: 2018-02-05 00:48:38

Local clock offset: -0.103 ms

Remote clock offset: 2.899 ms

Below is generated by plot.py at 2018-02-05 01:51:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 108.264 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 105.179 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.88 Mbit/s

95th percentile per-packet one-way delay: 107.540 ms

Loss rate: 0.00%

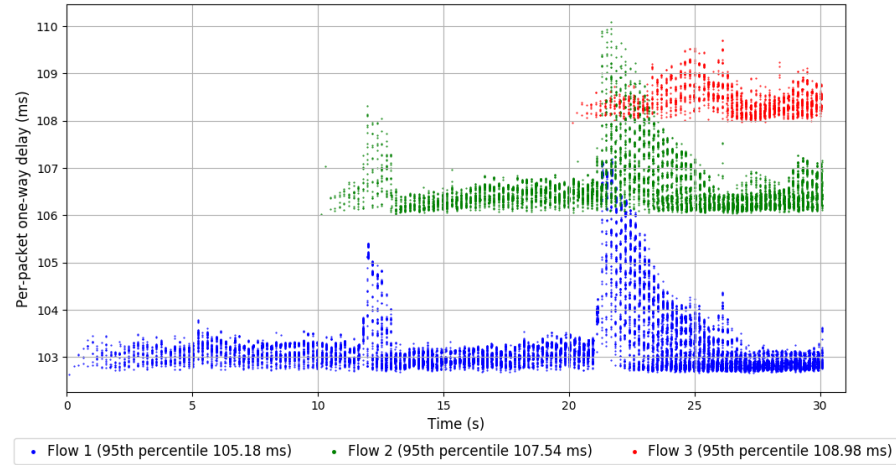
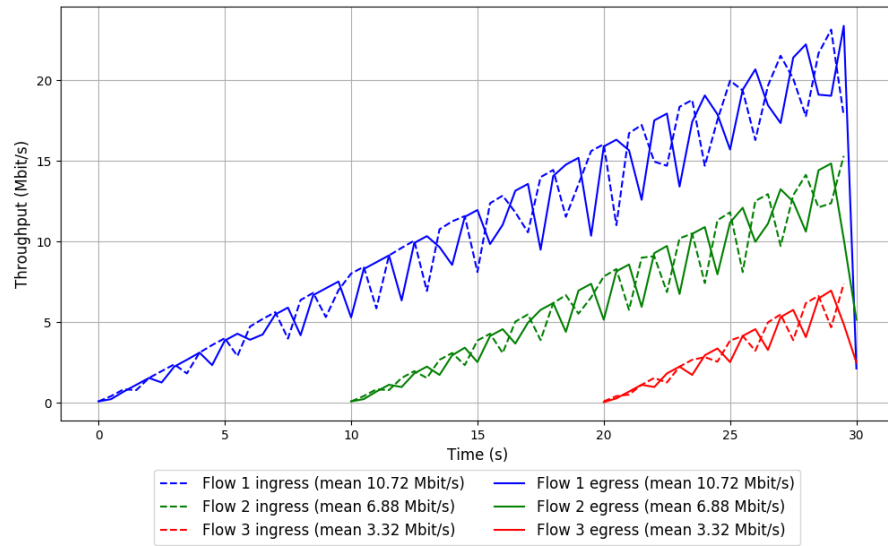
-- Flow 3:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 108.984 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-05 01:12:00

End at: 2018-02-05 01:12:30

Local clock offset: -0.109 ms

Remote clock offset: 2.779 ms

Below is generated by plot.py at 2018-02-05 01:51:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.31 Mbit/s

95th percentile per-packet one-way delay: 102.470 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 102.737 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 100.628 ms

Loss rate: 0.00%

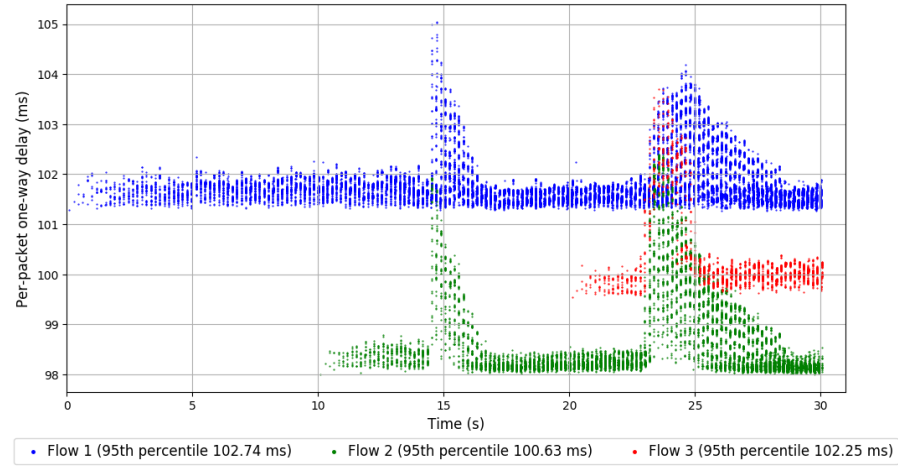
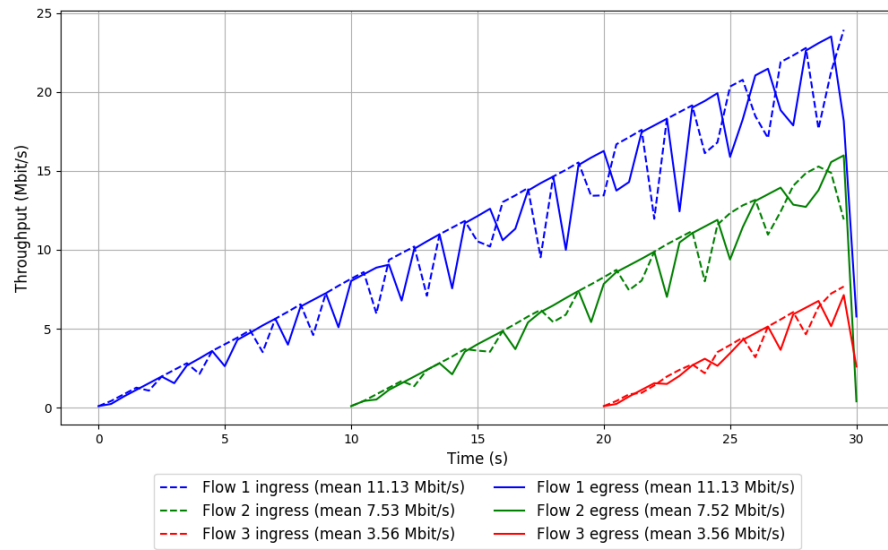
-- Flow 3:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 102.250 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

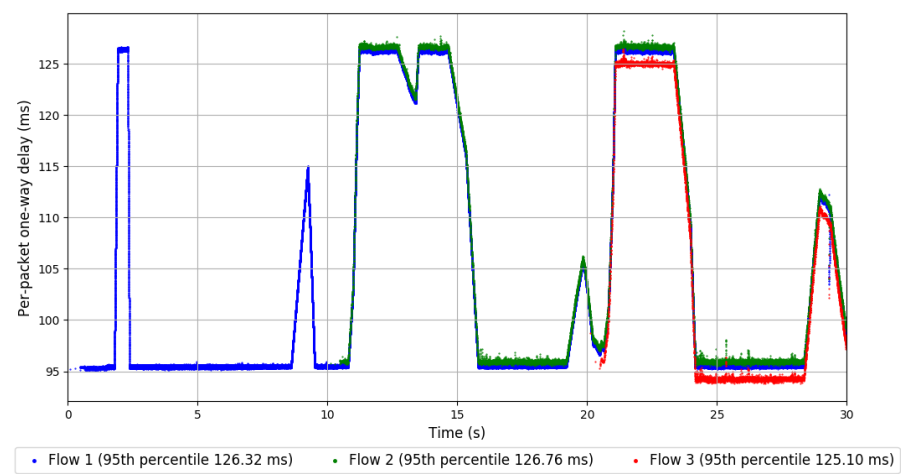
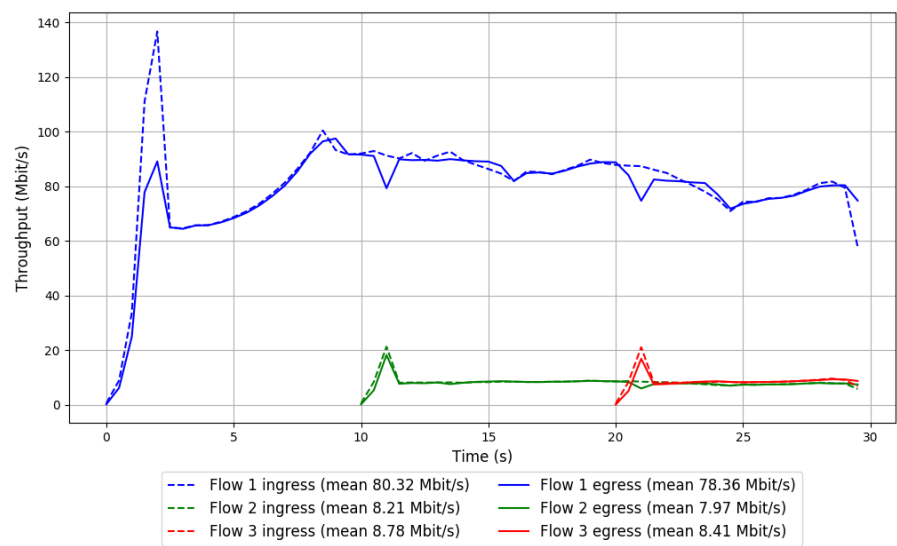


Run 1: Statistics of PCC

Start at: 2018-02-04 21:44:00
End at: 2018-02-04 21:44:30
Local clock offset: -0.2 ms
Remote clock offset: -1.919 ms

Below is generated by plot.py at 2018-02-05 01:52:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 126.338 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 126.316 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 126.762 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 125.099 ms
Loss rate: 4.28%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-04 22:07:55

End at: 2018-02-04 22:08:25

Local clock offset: -0.148 ms

Remote clock offset: 3.441 ms

Below is generated by plot.py at 2018-02-05 01:52:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.27 Mbit/s

95th percentile per-packet one-way delay: 130.656 ms

Loss rate: 3.97%

-- Flow 1:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 130.634 ms

Loss rate: 3.52%

-- Flow 2:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 130.507 ms

Loss rate: 6.92%

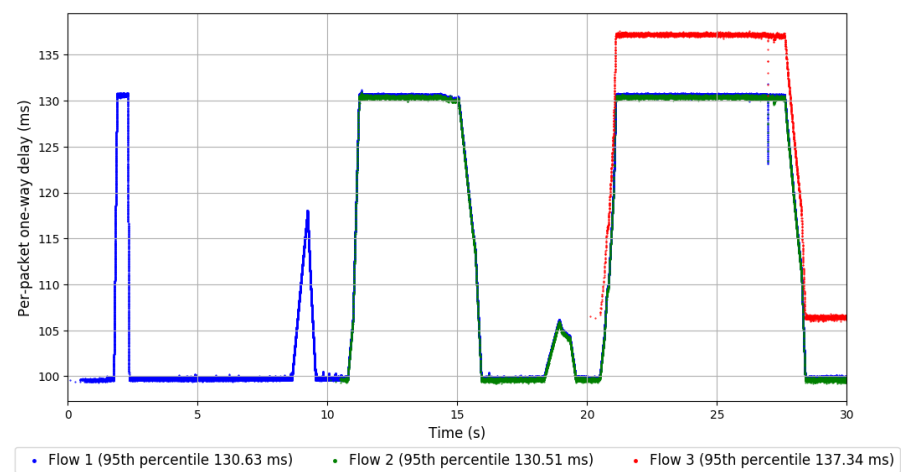
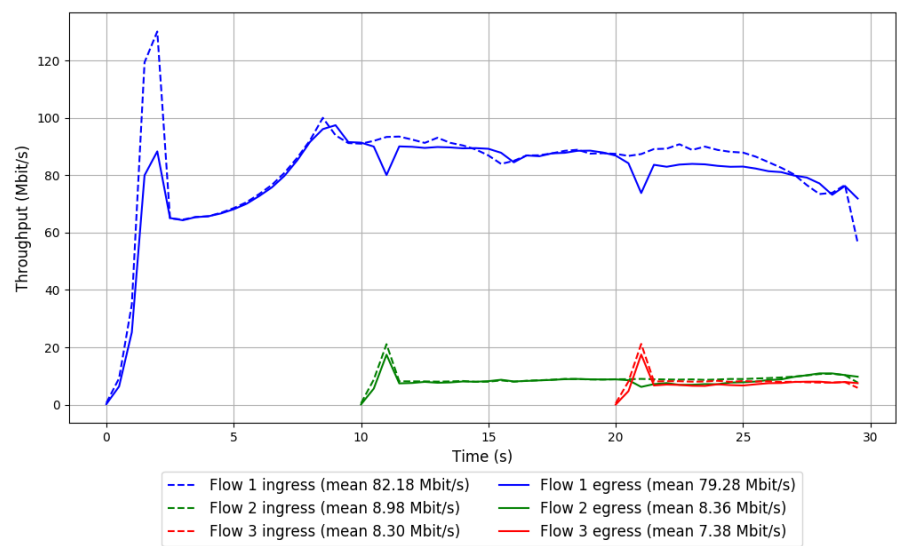
-- Flow 3:

Average throughput: 7.38 Mbit/s

95th percentile per-packet one-way delay: 137.342 ms

Loss rate: 11.12%

Run 2: Report of PCC — Data Link

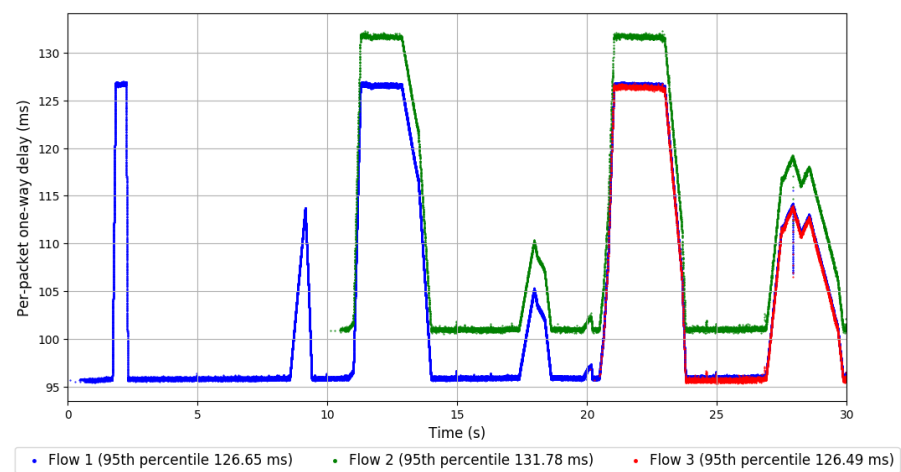
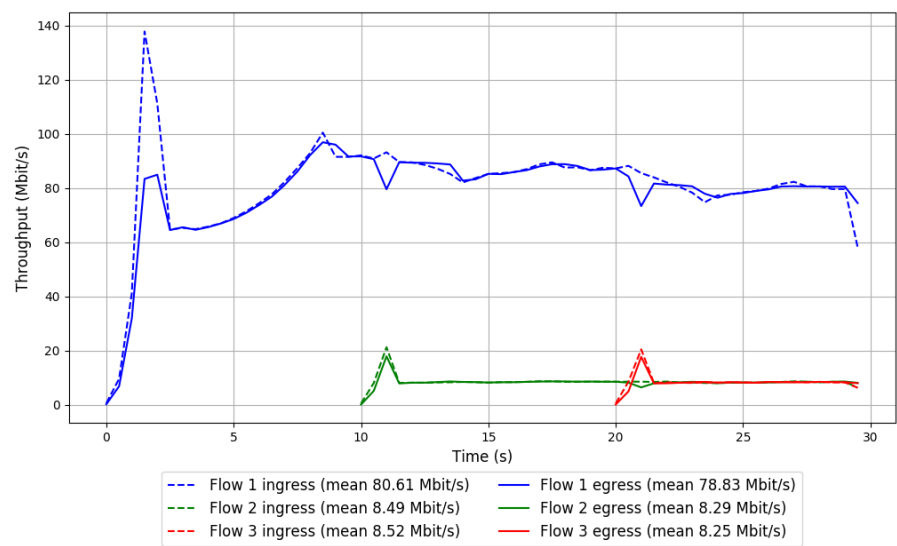


Run 3: Statistics of PCC

Start at: 2018-02-04 22:31:49
End at: 2018-02-04 22:32:19
Local clock offset: -0.237 ms
Remote clock offset: -2.479 ms

Below is generated by plot.py at 2018-02-05 01:52:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 126.673 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 126.651 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 131.785 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 126.486 ms
Loss rate: 3.10%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-04 22:55:41

End at: 2018-02-04 22:56:11

Local clock offset: -0.173 ms

Remote clock offset: 2.884 ms

Below is generated by plot.py at 2018-02-05 01:52:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 131.578 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 131.552 ms

Loss rate: 2.39%

-- Flow 2:

Average throughput: 8.61 Mbit/s

95th percentile per-packet one-way delay: 134.873 ms

Loss rate: 2.50%

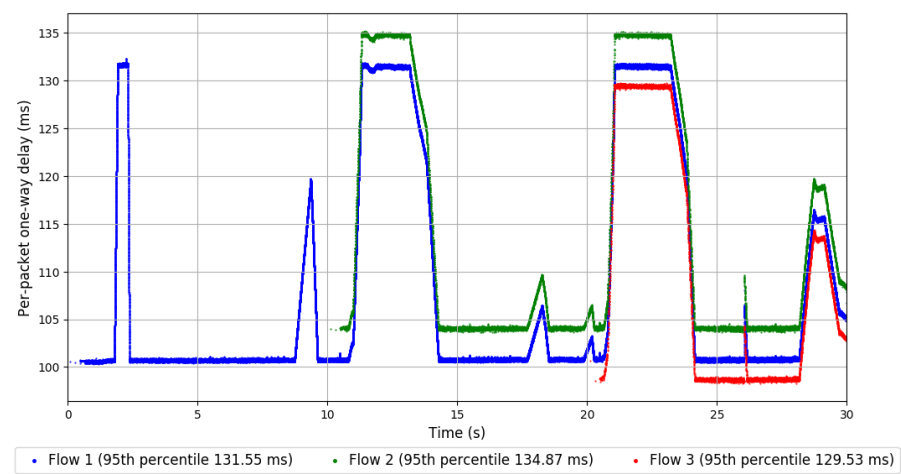
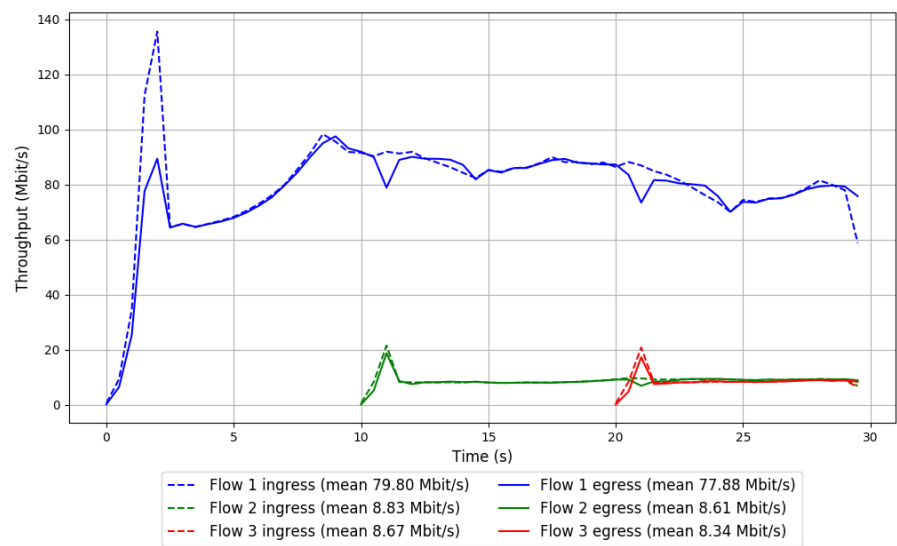
-- Flow 3:

Average throughput: 8.34 Mbit/s

95th percentile per-packet one-way delay: 129.526 ms

Loss rate: 3.82%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-04 23:19:31

End at: 2018-02-04 23:20:01

Local clock offset: -0.173 ms

Remote clock offset: 4.156 ms

Below is generated by plot.py at 2018-02-05 01:52:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 130.680 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 130.649 ms

Loss rate: 2.48%

-- Flow 2:

Average throughput: 8.26 Mbit/s

95th percentile per-packet one-way delay: 135.602 ms

Loss rate: 3.17%

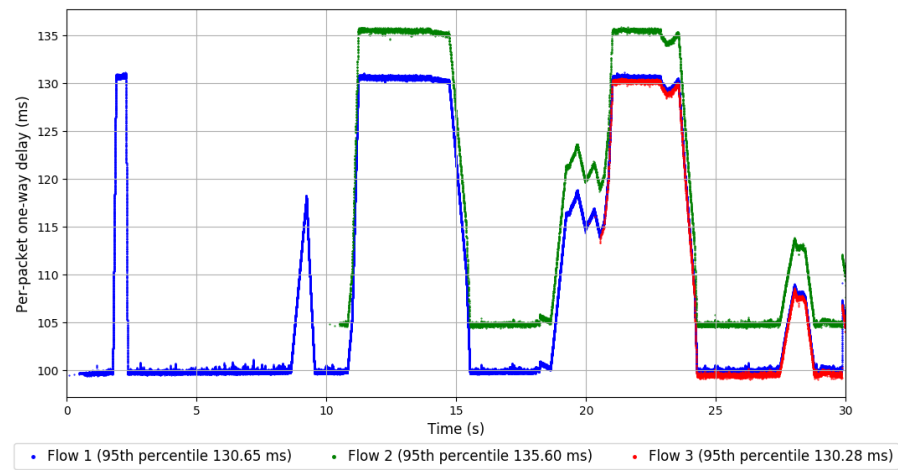
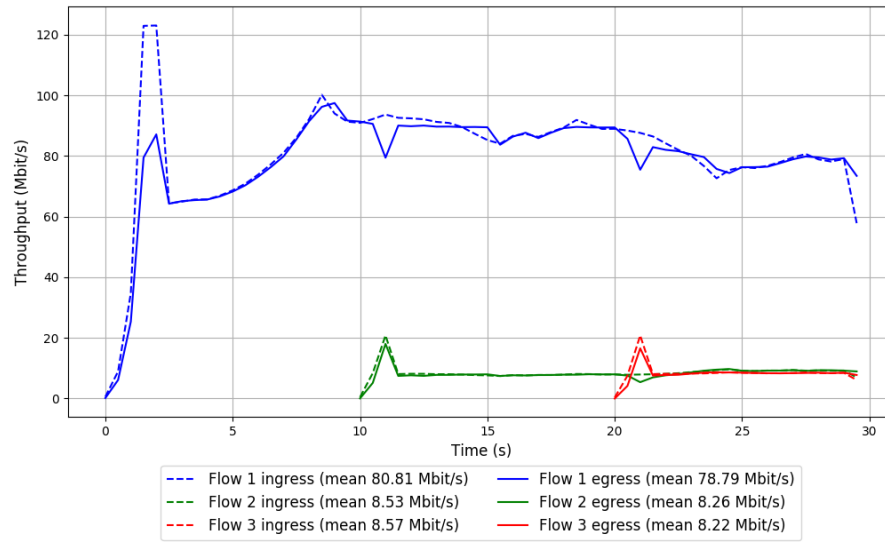
-- Flow 3:

Average throughput: 8.22 Mbit/s

95th percentile per-packet one-way delay: 130.277 ms

Loss rate: 4.14%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-04 23:43:17

End at: 2018-02-04 23:43:47

Local clock offset: -0.116 ms

Remote clock offset: 4.532 ms

Below is generated by plot.py at 2018-02-05 01:52:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.78 Mbit/s

95th percentile per-packet one-way delay: 137.013 ms

Loss rate: 2.68%

-- Flow 1:

Average throughput: 78.22 Mbit/s

95th percentile per-packet one-way delay: 137.022 ms

Loss rate: 2.57%

-- Flow 2:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 128.977 ms

Loss rate: 2.94%

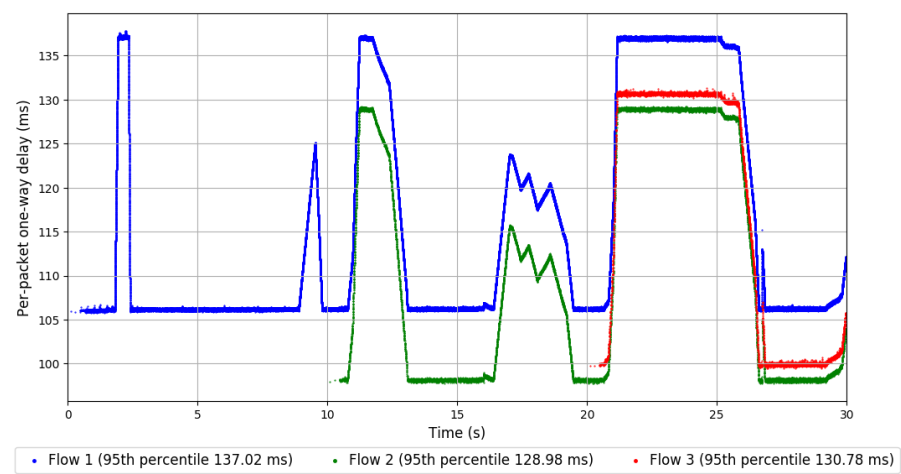
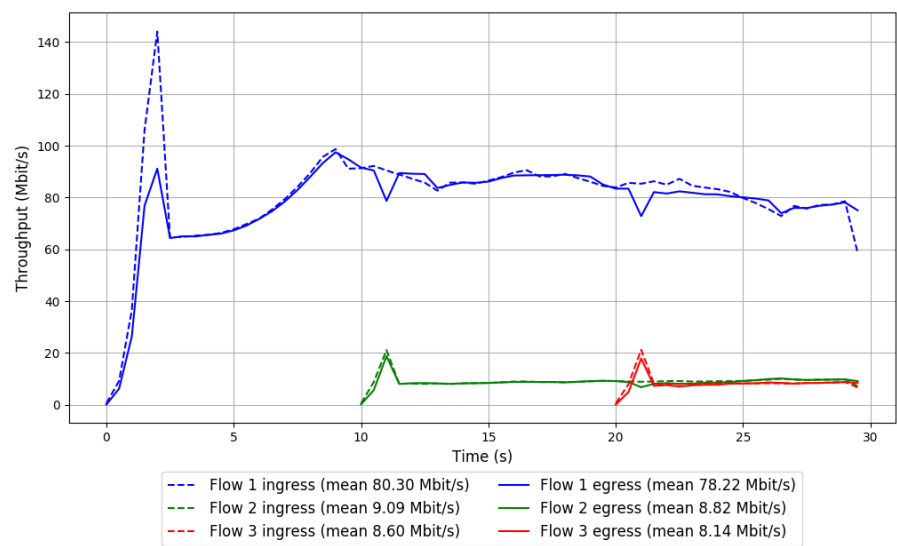
-- Flow 3:

Average throughput: 8.14 Mbit/s

95th percentile per-packet one-way delay: 130.785 ms

Loss rate: 5.27%

Run 6: Report of PCC — Data Link

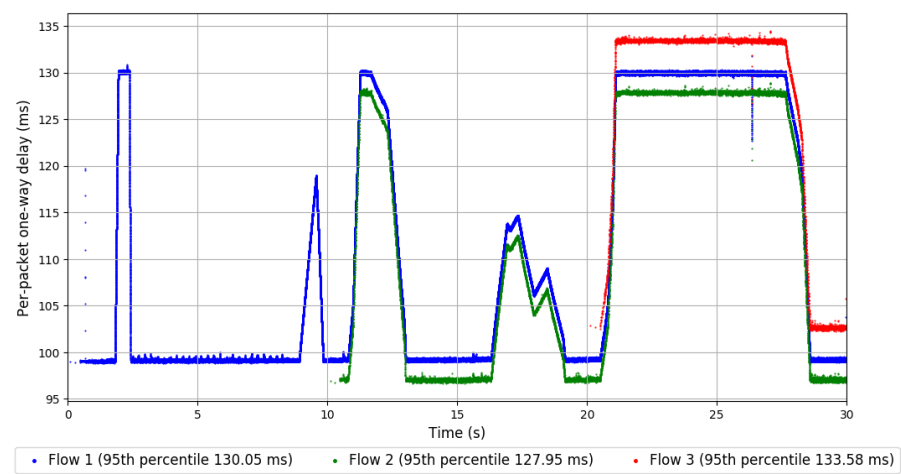
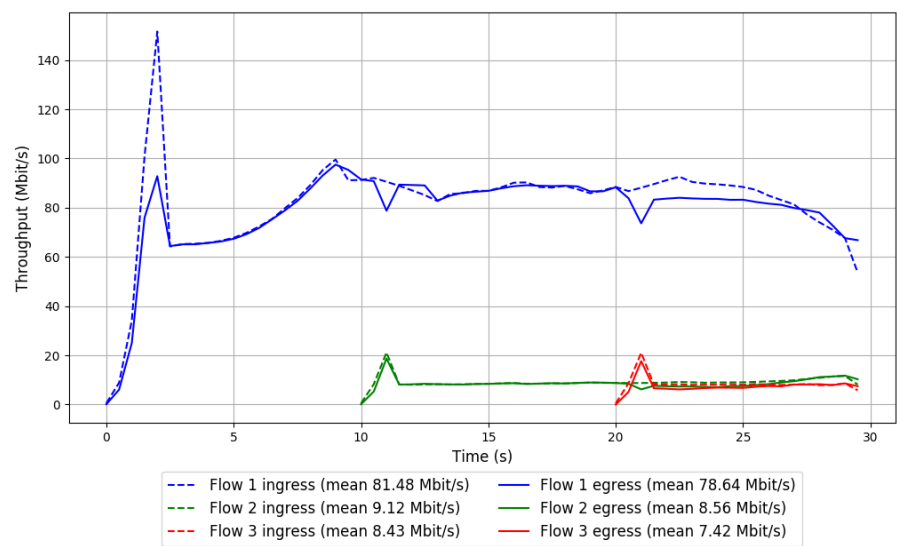


Run 7: Statistics of PCC

Start at: 2018-02-05 00:07:11
End at: 2018-02-05 00:07:41
Local clock offset: -0.175 ms
Remote clock offset: -1.824 ms

Below is generated by plot.py at 2018-02-05 01:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 130.072 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 130.047 ms
Loss rate: 3.48%
-- Flow 2:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 127.952 ms
Loss rate: 6.17%
-- Flow 3:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 133.584 ms
Loss rate: 11.98%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-05 00:30:59

End at: 2018-02-05 00:31:29

Local clock offset: -0.097 ms

Remote clock offset: 3.332 ms

Below is generated by plot.py at 2018-02-05 01:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 132.226 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 78.59 Mbit/s

95th percentile per-packet one-way delay: 132.219 ms

Loss rate: 2.17%

-- Flow 2:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 130.348 ms

Loss rate: 2.26%

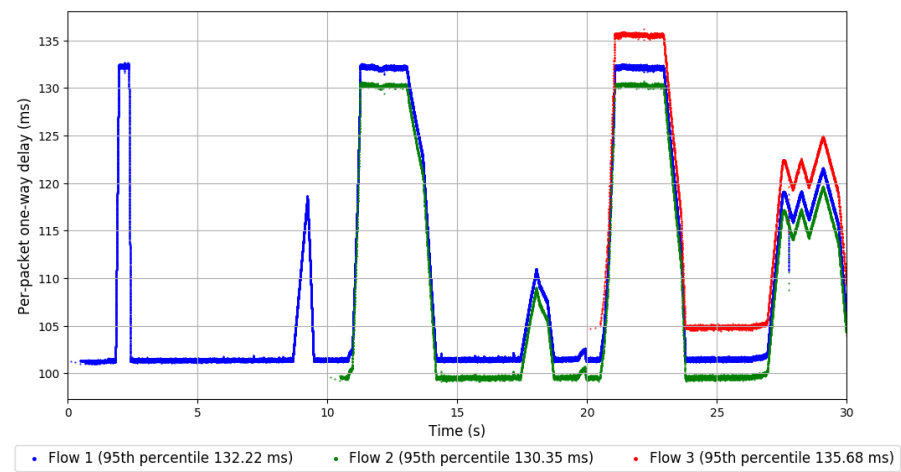
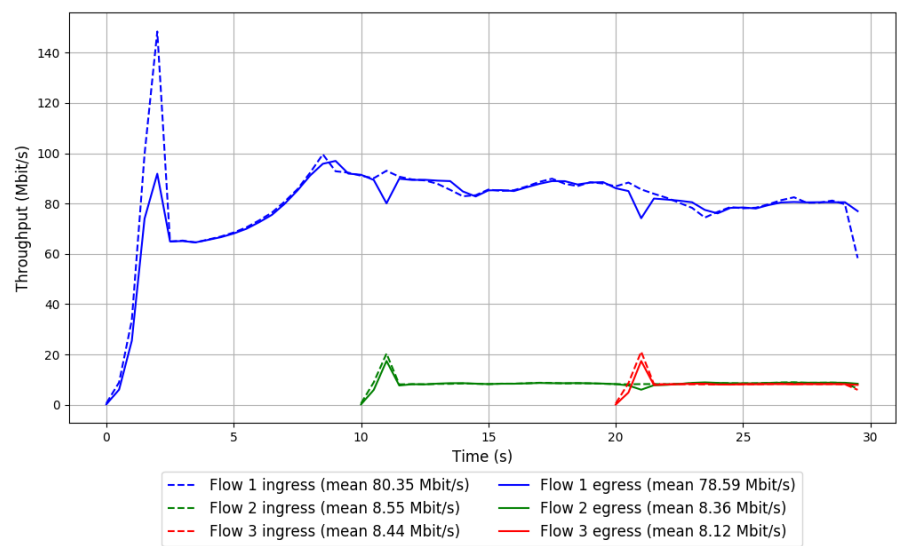
-- Flow 3:

Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 135.682 ms

Loss rate: 3.71%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-05 00:54:48

End at: 2018-02-05 00:55:18

Local clock offset: -0.099 ms

Remote clock offset: 1.822 ms

Below is generated by plot.py at 2018-02-05 01:53:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 134.704 ms

Loss rate: 2.93%

-- Flow 1:

Average throughput: 78.32 Mbit/s

95th percentile per-packet one-way delay: 134.706 ms

Loss rate: 2.80%

-- Flow 2:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 134.711 ms

Loss rate: 3.31%

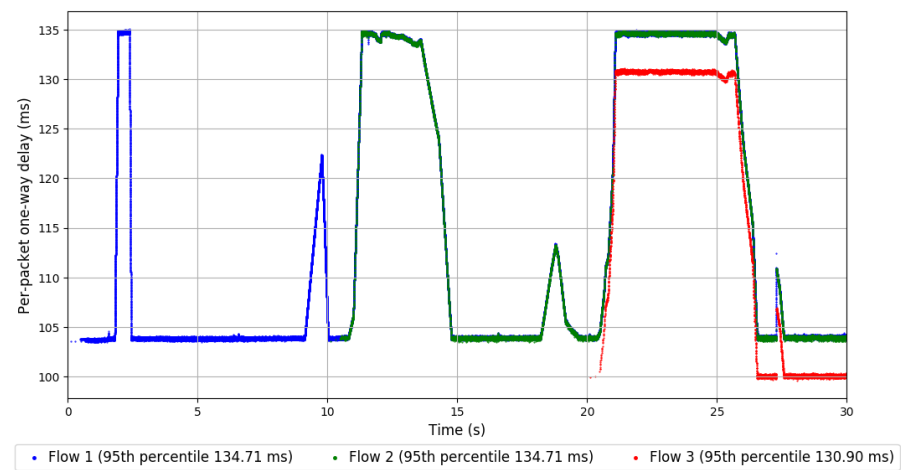
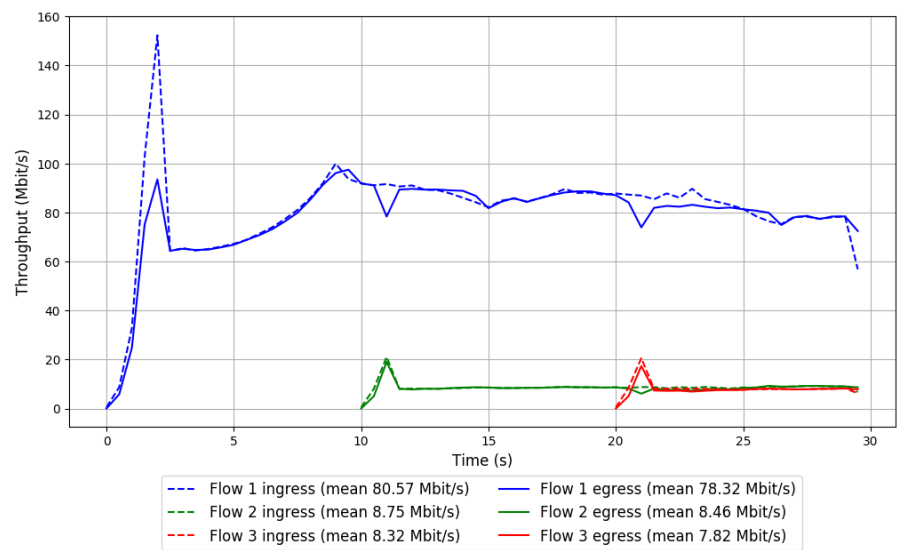
-- Flow 3:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 130.902 ms

Loss rate: 5.96%

Run 9: Report of PCC — Data Link

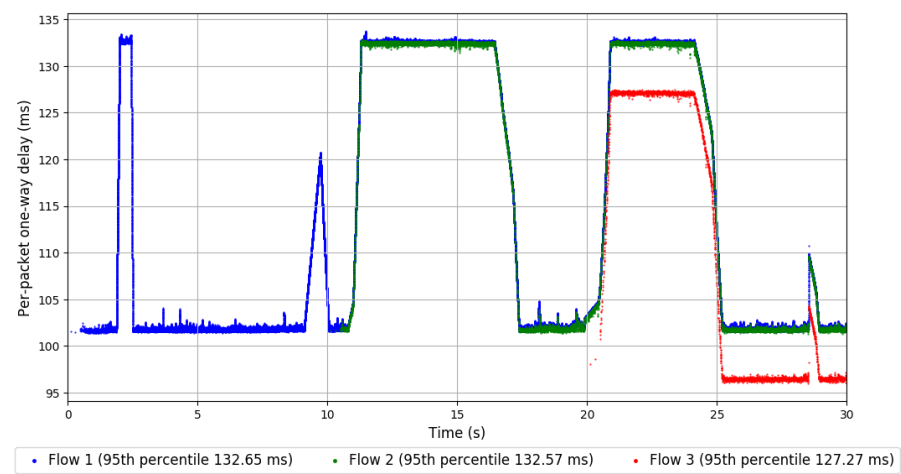
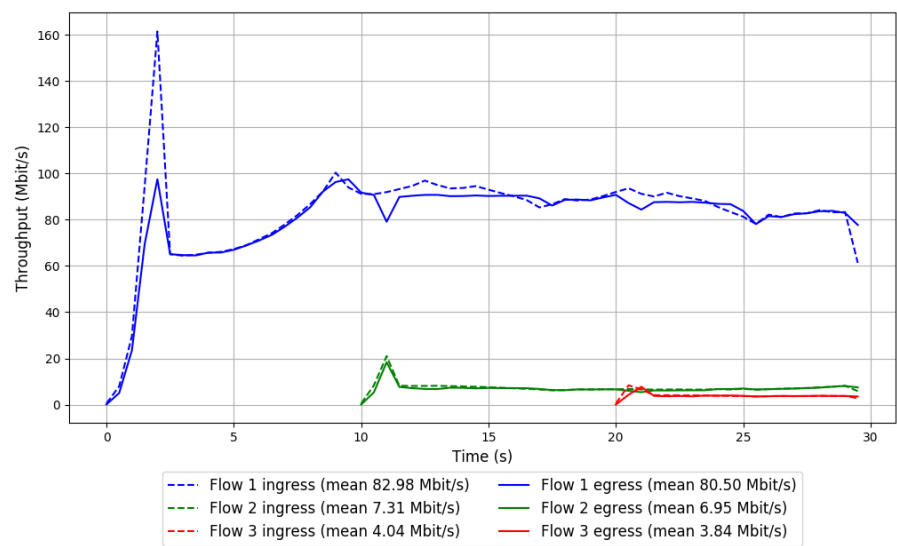


Run 10: Statistics of PCC

Start at: 2018-02-05 01:18:40
End at: 2018-02-05 01:19:10
Local clock offset: -0.109 ms
Remote clock offset: -1.845 ms

Below is generated by plot.py at 2018-02-05 01:54:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 132.649 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 80.50 Mbit/s
95th percentile per-packet one-way delay: 132.654 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 132.574 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 127.266 ms
Loss rate: 4.84%

Run 10: Report of PCC — Data Link

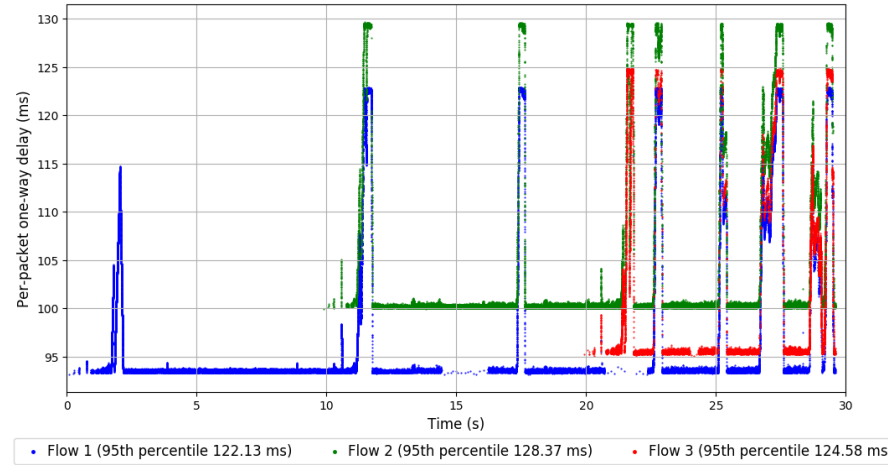
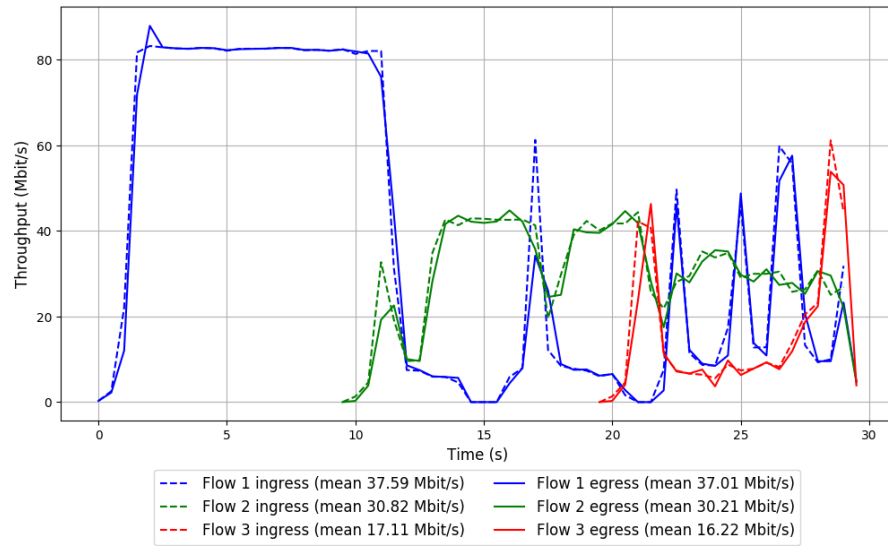


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-04 21:24:03
End at: 2018-02-04 21:24:33
Local clock offset: -0.172 ms
Remote clock offset: -1.652 ms

Below is generated by plot.py at 2018-02-05 01:54:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.49 Mbit/s
95th percentile per-packet one-way delay: 122.612 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 122.130 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 128.367 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 16.22 Mbit/s
95th percentile per-packet one-way delay: 124.585 ms
Loss rate: 5.20%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-04 21:47:55

End at: 2018-02-04 21:48:25

Local clock offset: -0.127 ms

Remote clock offset: 2.895 ms

Below is generated by plot.py at 2018-02-05 01:54:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.03 Mbit/s

95th percentile per-packet one-way delay: 129.043 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 132.411 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 21.58 Mbit/s

95th percentile per-packet one-way delay: 118.672 ms

Loss rate: 0.52%

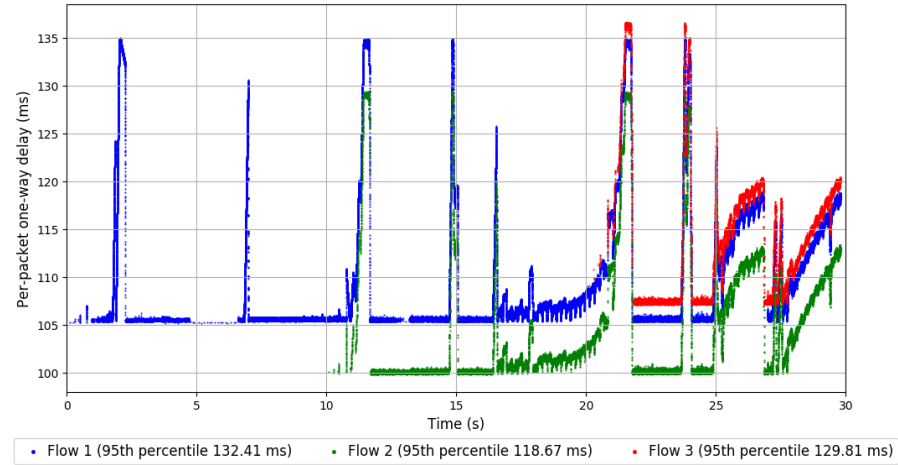
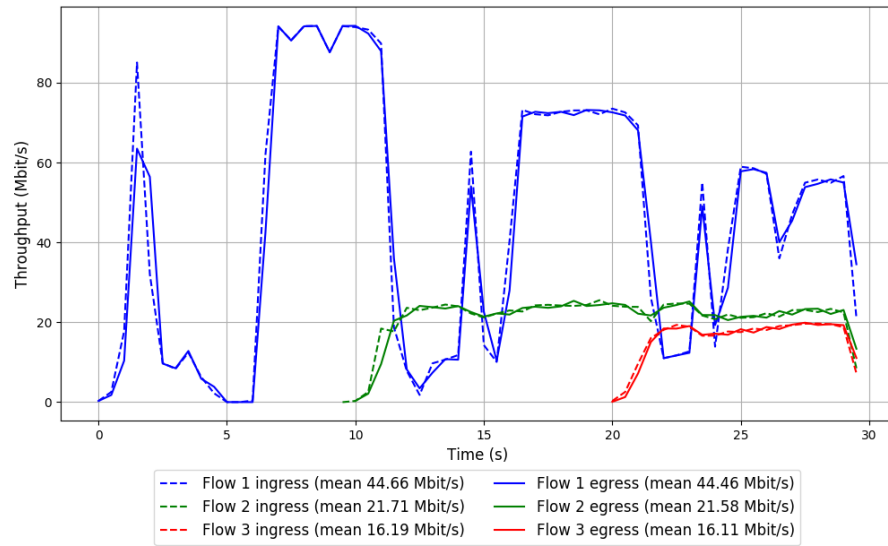
-- Flow 3:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 129.811 ms

Loss rate: 0.43%

Run 2: Report of QUIC Cubic — Data Link

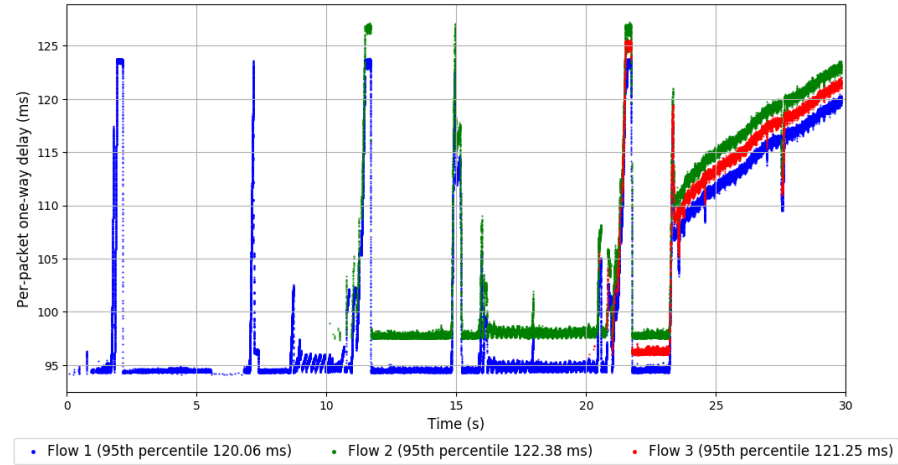
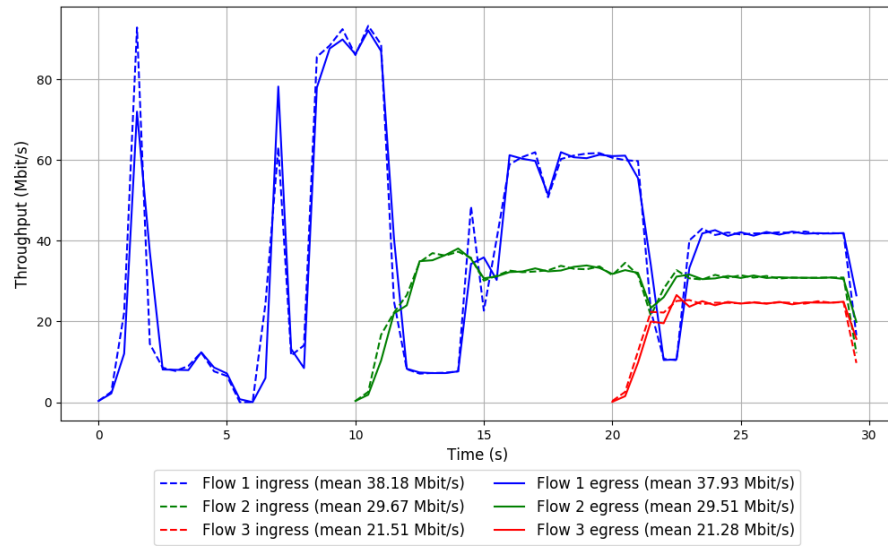


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-04 22:11:50
End at: 2018-02-04 22:12:20
Local clock offset: -0.131 ms
Remote clock offset: -1.447 ms

Below is generated by plot.py at 2018-02-05 01:54:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 121.816 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 120.060 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 122.380 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 21.28 Mbit/s
95th percentile per-packet one-way delay: 121.254 ms
Loss rate: 0.83%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-04 22:35:44

End at: 2018-02-04 22:36:14

Local clock offset: -0.141 ms

Remote clock offset: 3.12 ms

Below is generated by plot.py at 2018-02-05 01:54:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.14 Mbit/s

95th percentile per-packet one-way delay: 126.083 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 45.78 Mbit/s

95th percentile per-packet one-way delay: 128.058 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 18.83 Mbit/s

95th percentile per-packet one-way delay: 118.917 ms

Loss rate: 0.26%

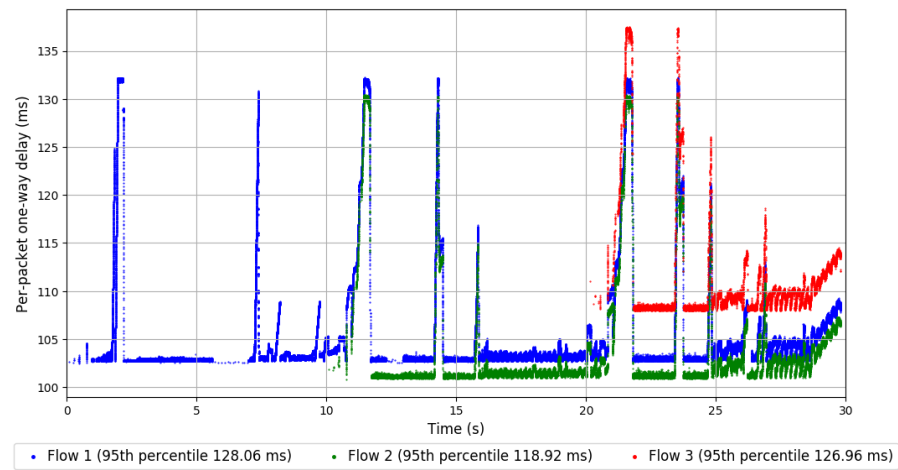
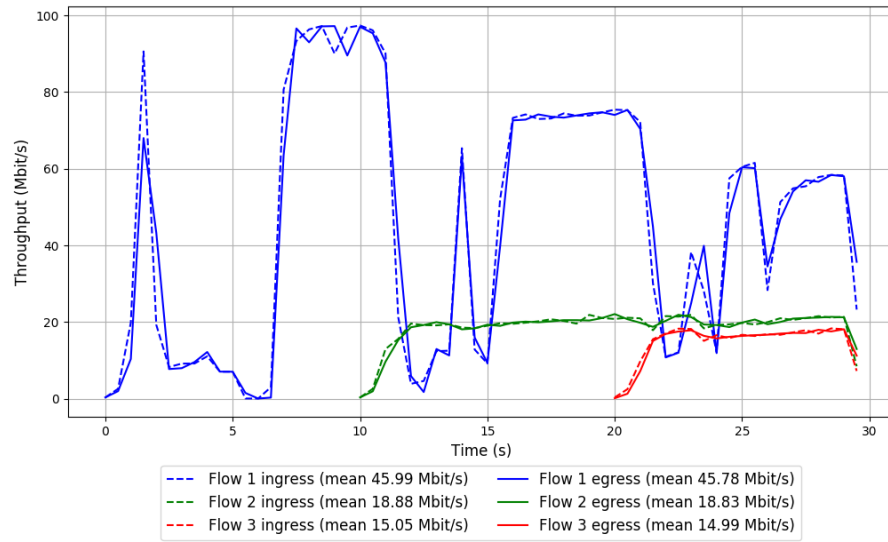
-- Flow 3:

Average throughput: 14.99 Mbit/s

95th percentile per-packet one-way delay: 126.960 ms

Loss rate: 0.49%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-04 22:59:36

End at: 2018-02-04 23:00:06

Local clock offset: -0.229 ms

Remote clock offset: 3.875 ms

Below is generated by plot.py at 2018-02-05 01:54:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 133.963 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 37.61 Mbit/s

95th percentile per-packet one-way delay: 134.847 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 127.399 ms

Loss rate: 0.68%

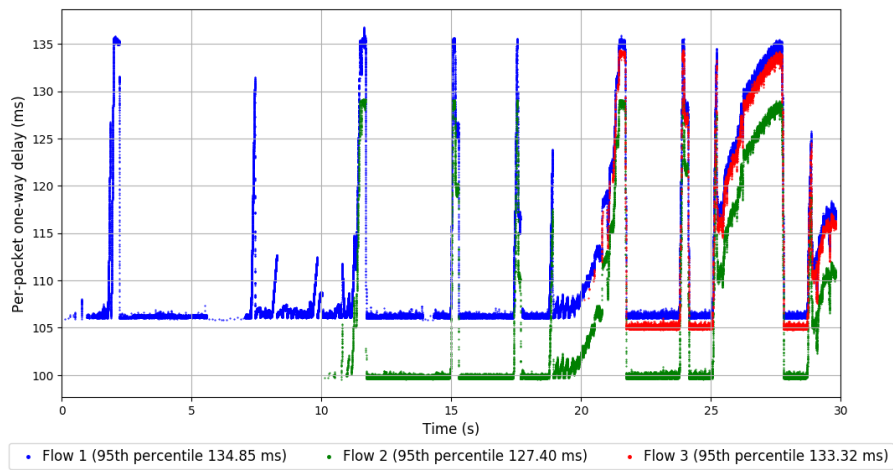
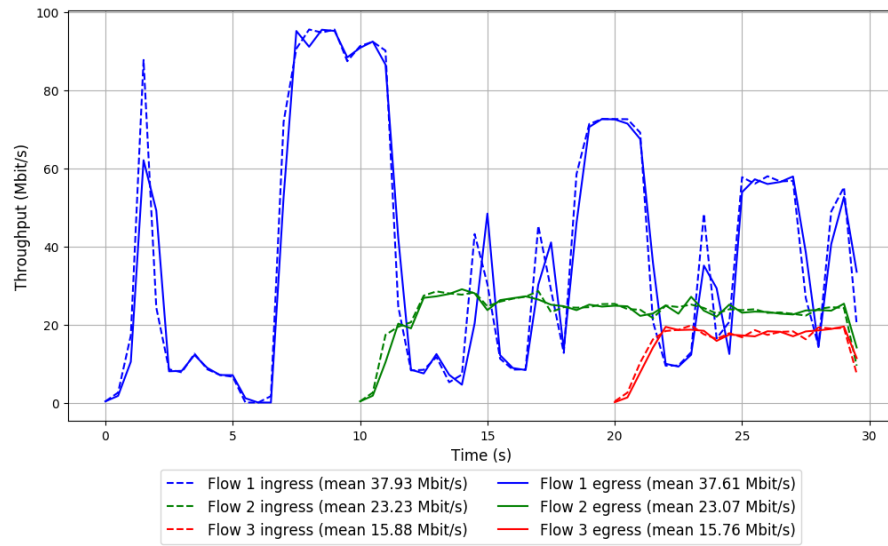
-- Flow 3:

Average throughput: 15.76 Mbit/s

95th percentile per-packet one-way delay: 133.318 ms

Loss rate: 0.70%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-04 23:23:25

End at: 2018-02-04 23:23:55

Local clock offset: -0.177 ms

Remote clock offset: 4.164 ms

Below is generated by plot.py at 2018-02-05 01:54:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.81 Mbit/s

95th percentile per-packet one-way delay: 127.886 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 37.74 Mbit/s

95th percentile per-packet one-way delay: 126.160 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 25.37 Mbit/s

95th percentile per-packet one-way delay: 128.371 ms

Loss rate: 0.58%

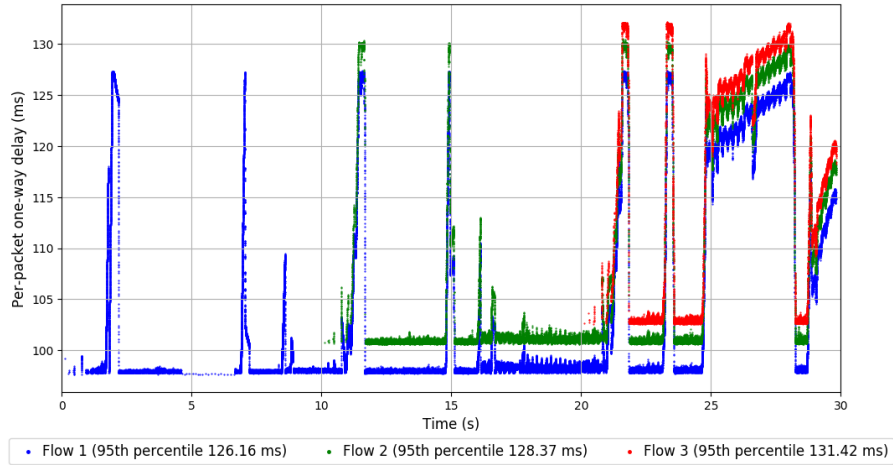
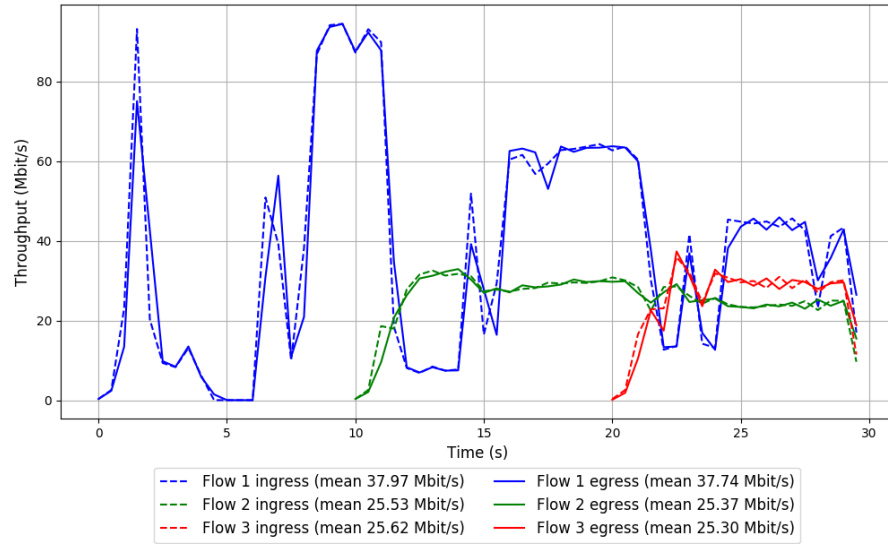
-- Flow 3:

Average throughput: 25.30 Mbit/s

95th percentile per-packet one-way delay: 131.418 ms

Loss rate: 1.10%

Run 6: Report of QUIC Cubic — Data Link

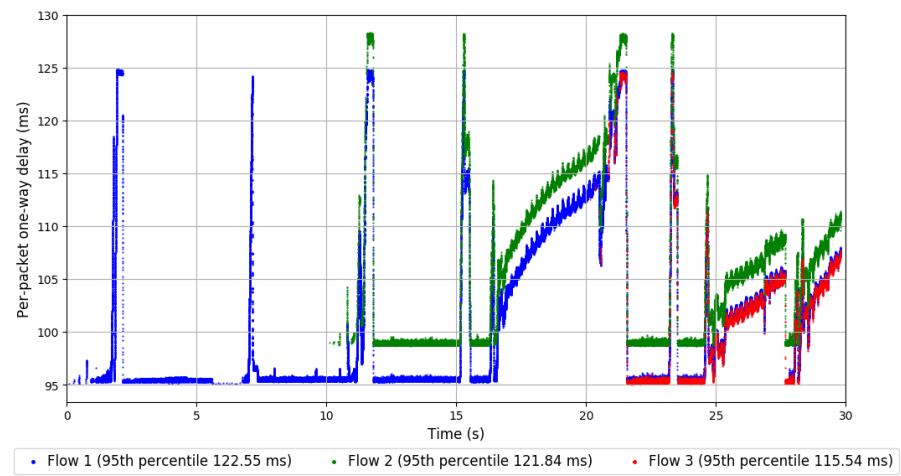
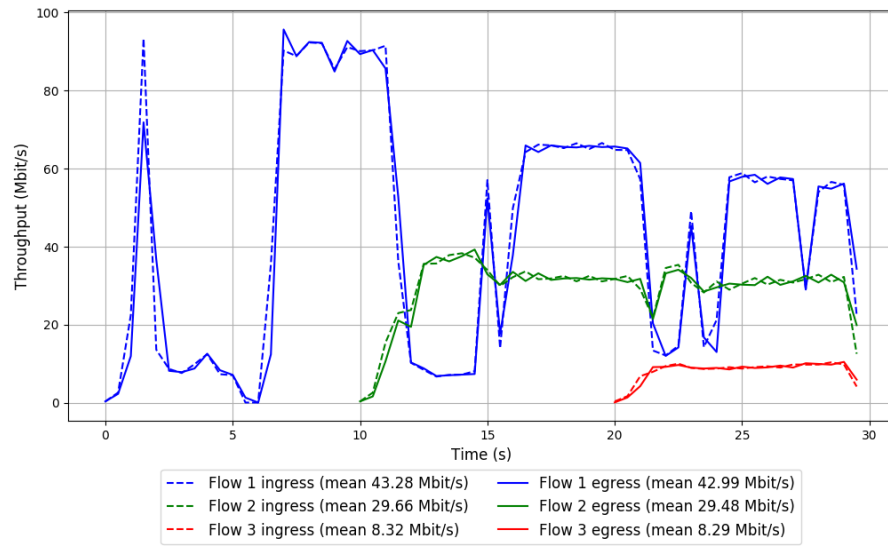


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-04 23:47:12
End at: 2018-02-04 23:47:42
Local clock offset: -0.16 ms
Remote clock offset: -1.118 ms

Below is generated by plot.py at 2018-02-05 01:55:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 122.253 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 122.547 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 121.843 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 115.536 ms
Loss rate: 0.39%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-05 00:11:06

End at: 2018-02-05 00:11:36

Local clock offset: -0.113 ms

Remote clock offset: 3.652 ms

Below is generated by plot.py at 2018-02-05 01:55:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.48 Mbit/s

95th percentile per-packet one-way delay: 130.761 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 37.79 Mbit/s

95th percentile per-packet one-way delay: 134.936 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 124.782 ms

Loss rate: 1.03%

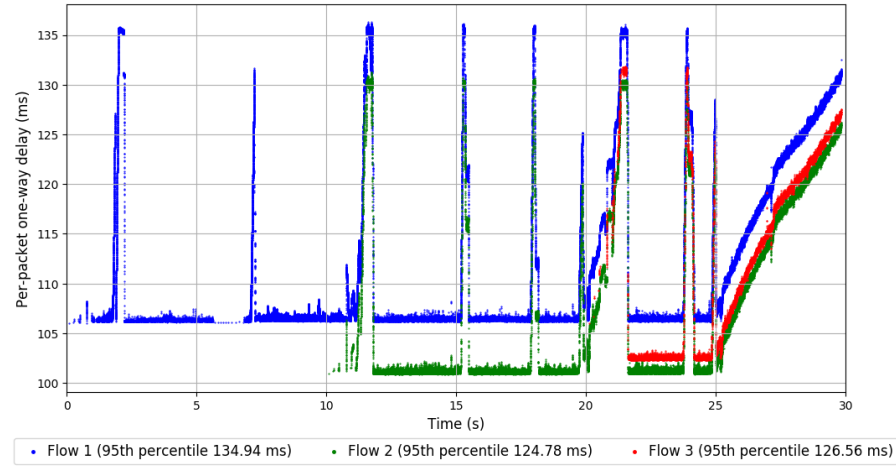
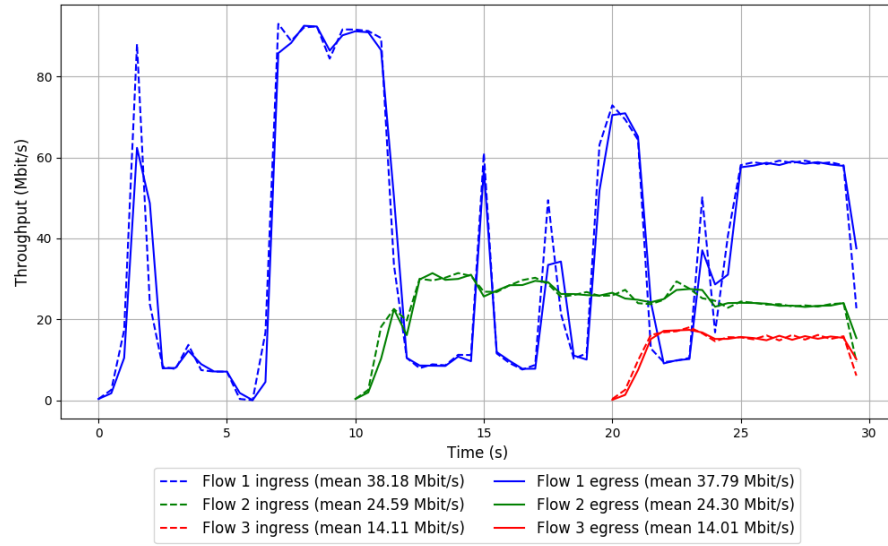
-- Flow 3:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 126.559 ms

Loss rate: 0.46%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-05 00:34:54

End at: 2018-02-05 00:35:24

Local clock offset: -0.101 ms

Remote clock offset: 4.033 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.02 Mbit/s

95th percentile per-packet one-way delay: 126.767 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 46.27 Mbit/s

95th percentile per-packet one-way delay: 128.544 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 18.89 Mbit/s

95th percentile per-packet one-way delay: 125.114 ms

Loss rate: 0.29%

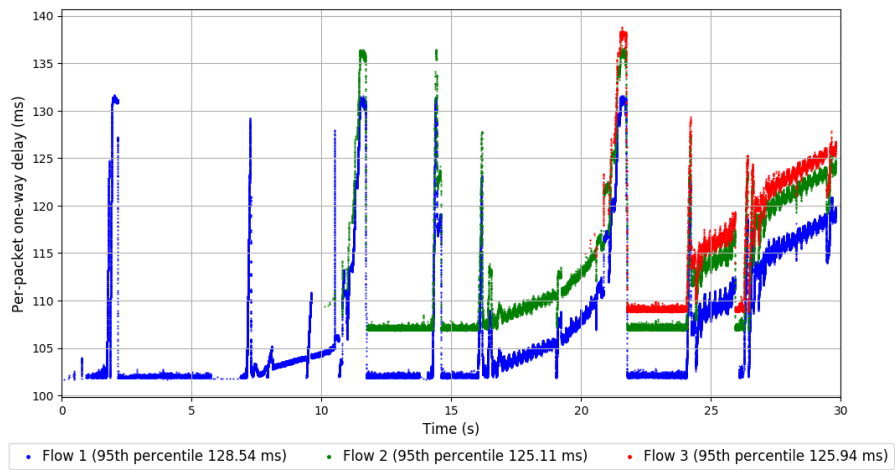
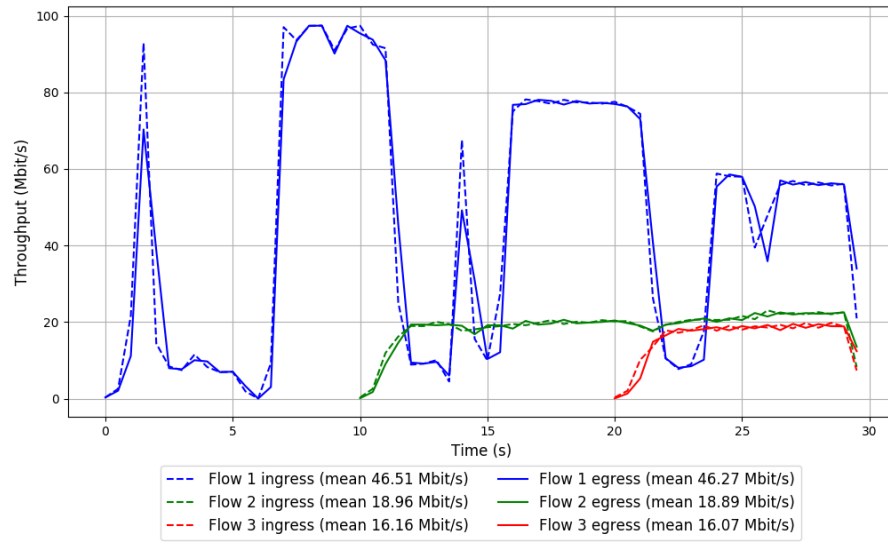
-- Flow 3:

Average throughput: 16.07 Mbit/s

95th percentile per-packet one-way delay: 125.941 ms

Loss rate: 0.50%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-05 00:58:43

End at: 2018-02-05 00:59:13

Local clock offset: -0.117 ms

Remote clock offset: -2.08 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.81 Mbit/s

95th percentile per-packet one-way delay: 123.299 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 44.50 Mbit/s

95th percentile per-packet one-way delay: 124.793 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 18.27 Mbit/s

95th percentile per-packet one-way delay: 117.055 ms

Loss rate: 0.44%

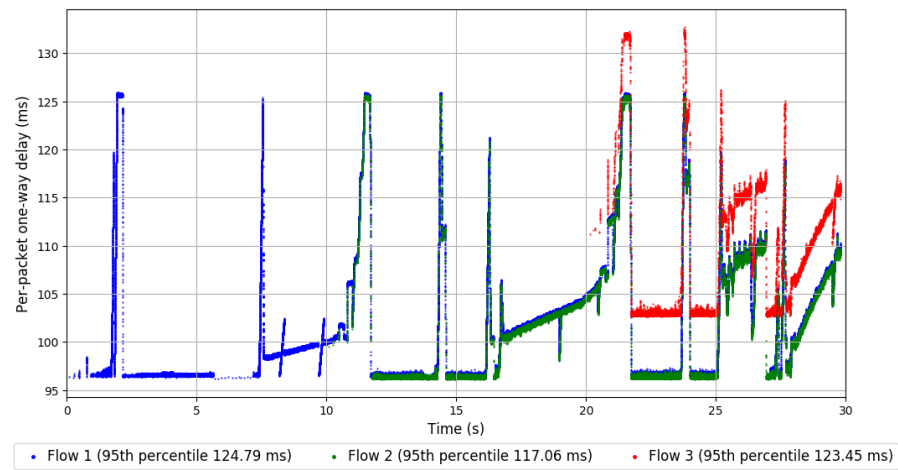
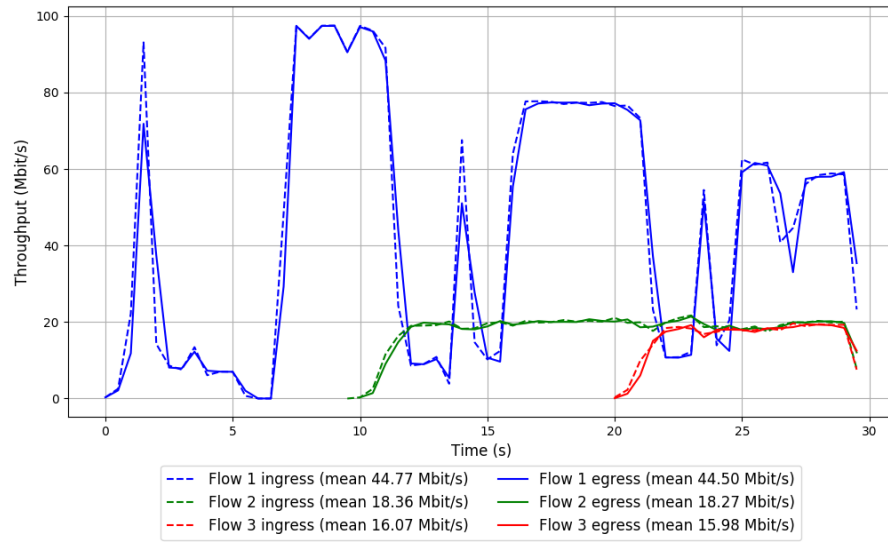
-- Flow 3:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 123.454 ms

Loss rate: 0.59%

Run 10: Report of QUIC Cubic — Data Link

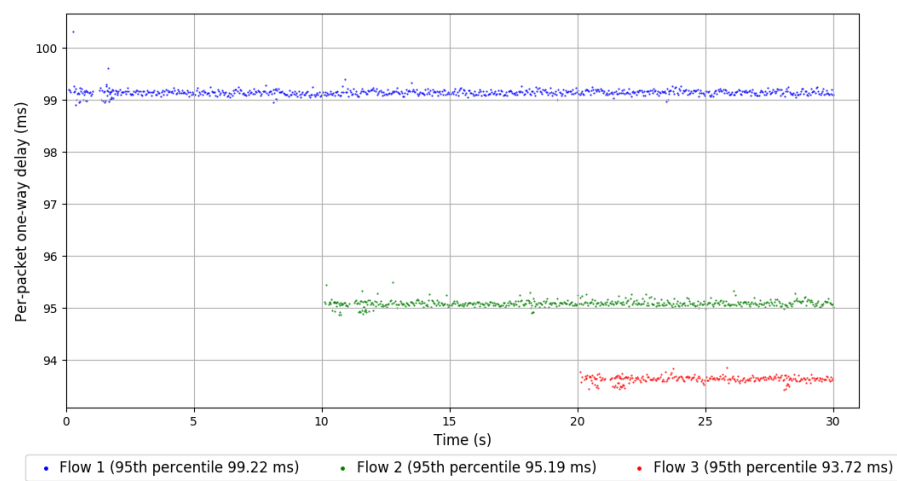
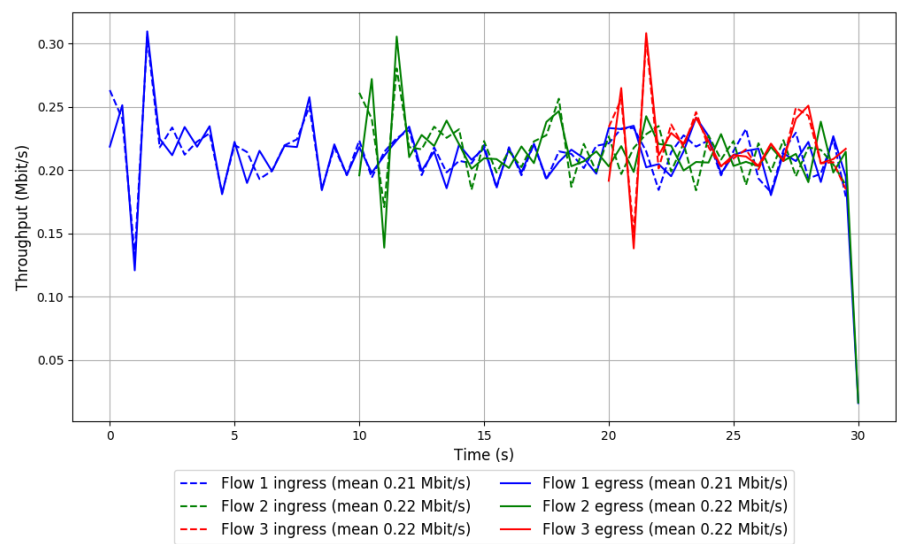


```
Run 1: Statistics of SReAM

Start at: 2018-02-04 21:30:45
End at: 2018-02-04 21:31:15
Local clock offset: -0.108 ms
Remote clock offset: -1.696 ms

# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 99.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 99.223 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.715 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

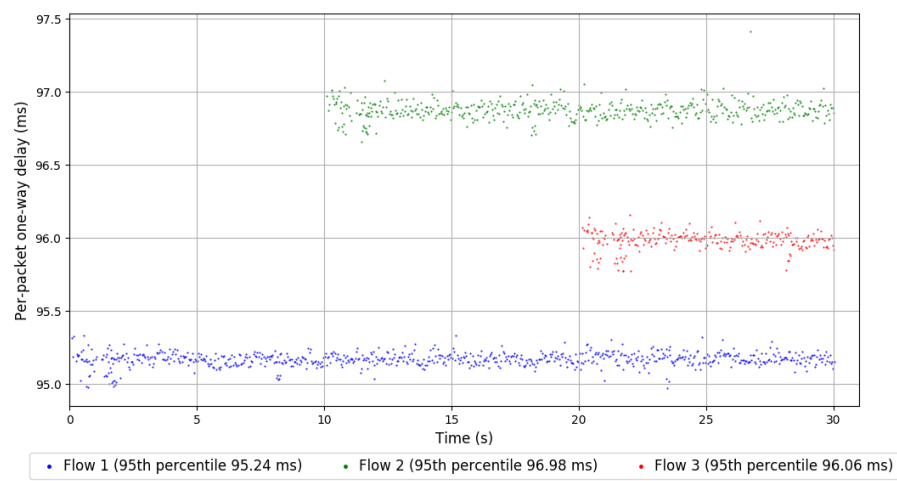
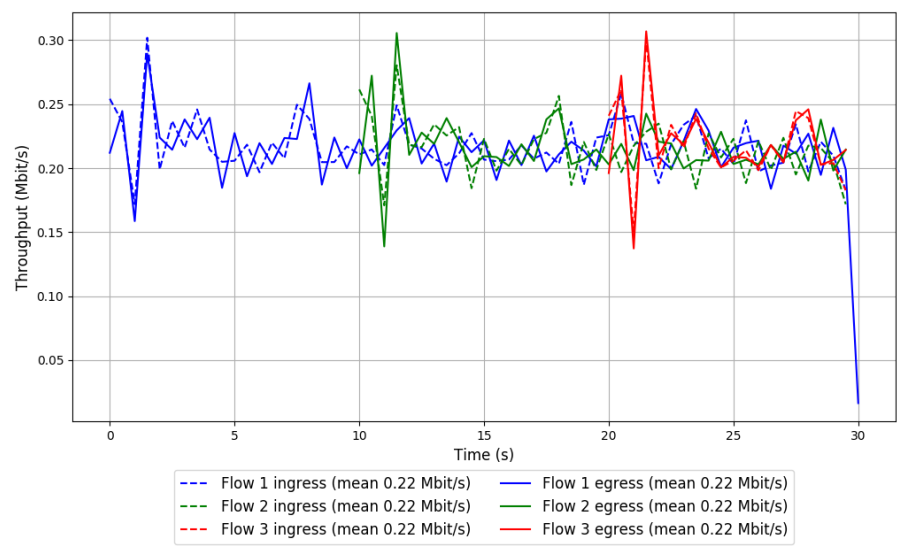


Run 2: Statistics of SReAM

Start at: 2018-02-04 21:54:38
End at: 2018-02-04 21:55:09
Local clock offset: -0.22 ms
Remote clock offset: -1.996 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 96.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.062 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

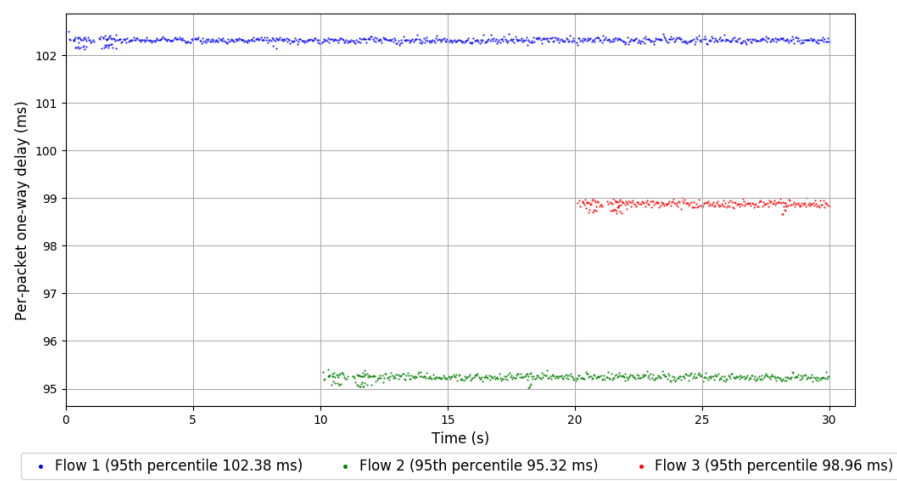
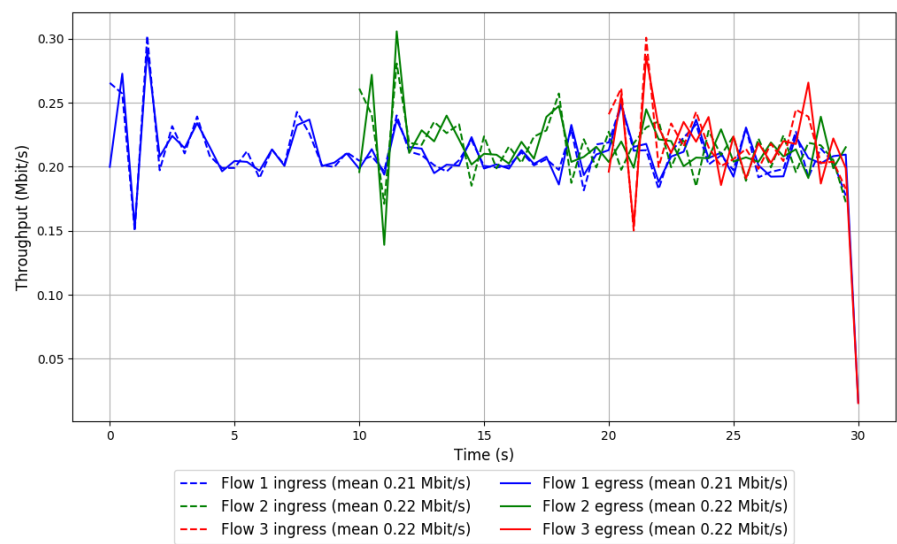


Run 3: Statistics of SReAM

Start at: 2018-02-04 22:18:34
End at: 2018-02-04 22:19:04
Local clock offset: -0.201 ms
Remote clock offset: -2.409 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 102.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.377 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.956 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

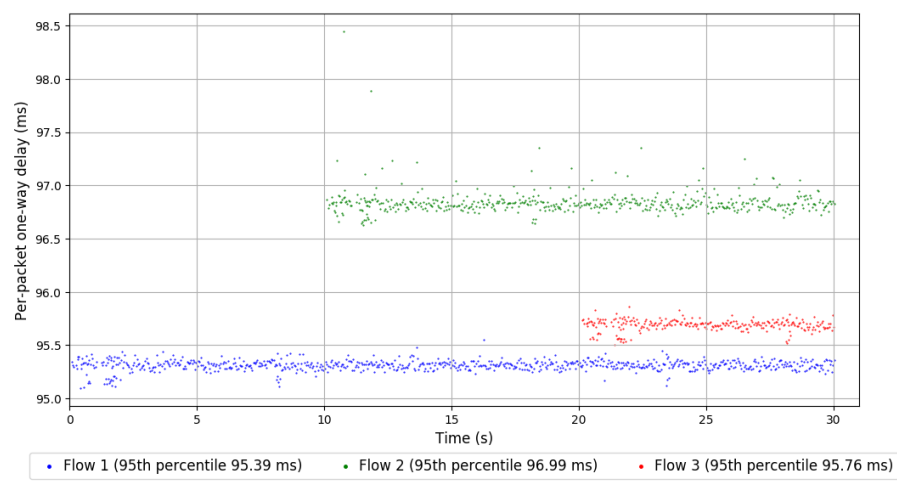
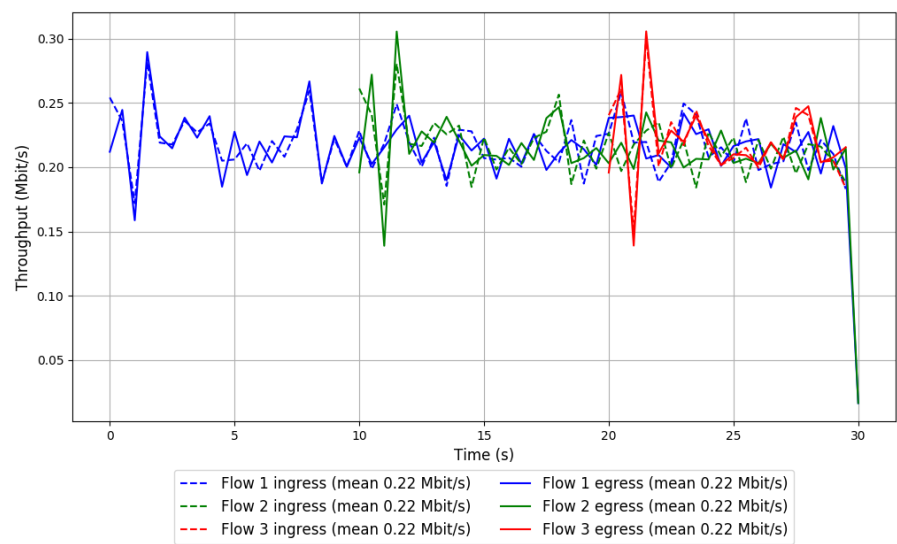


Run 4: Statistics of SReAM

Start at: 2018-02-04 22:42:26
End at: 2018-02-04 22:42:56
Local clock offset: -0.165 ms
Remote clock offset: -2.618 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 96.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.386 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.992 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.761 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-04 23:06:17

End at: 2018-02-04 23:06:47

Local clock offset: -0.165 ms

Remote clock offset: 3.962 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 102.462 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 101.017 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 99.015 ms

Loss rate: 0.00%

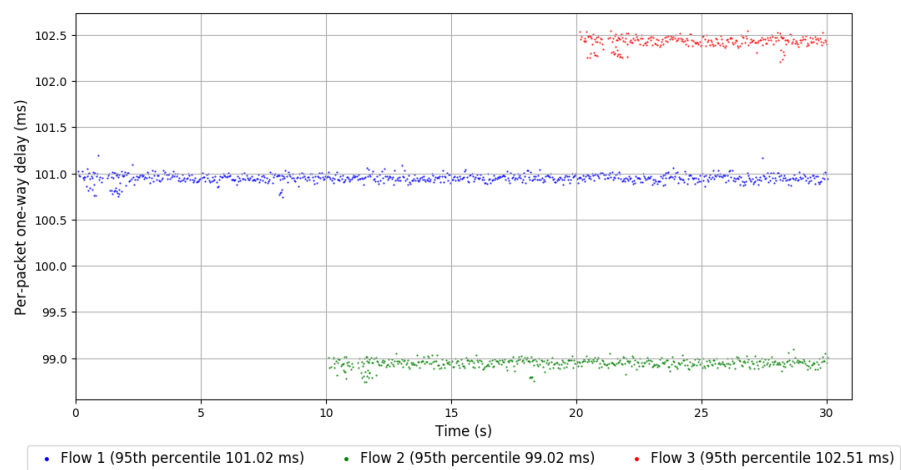
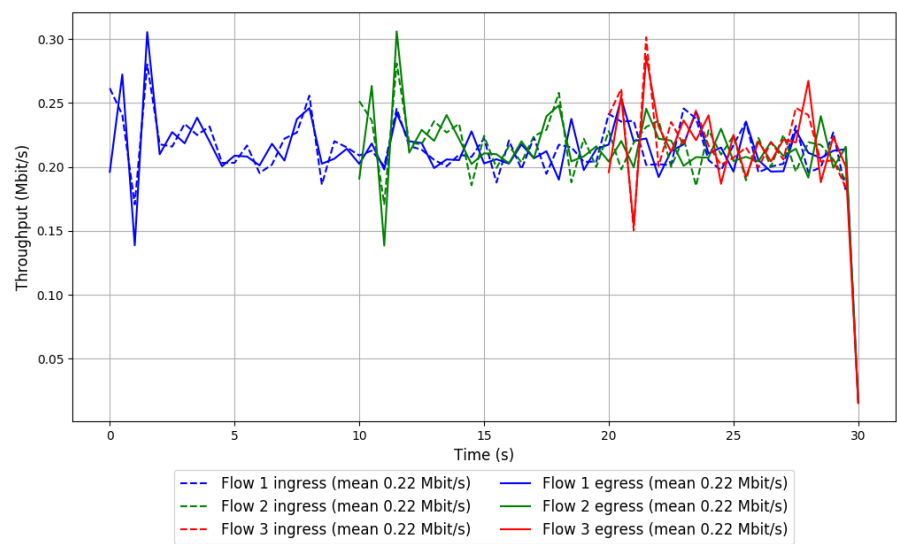
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 102.508 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

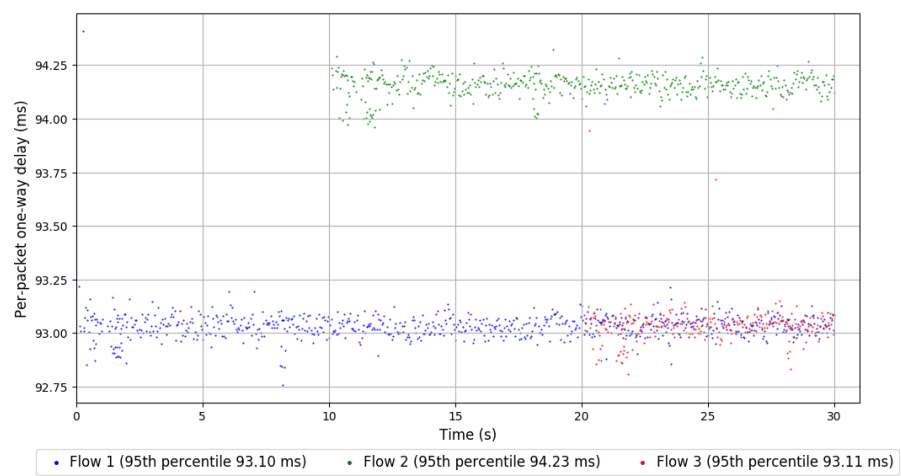
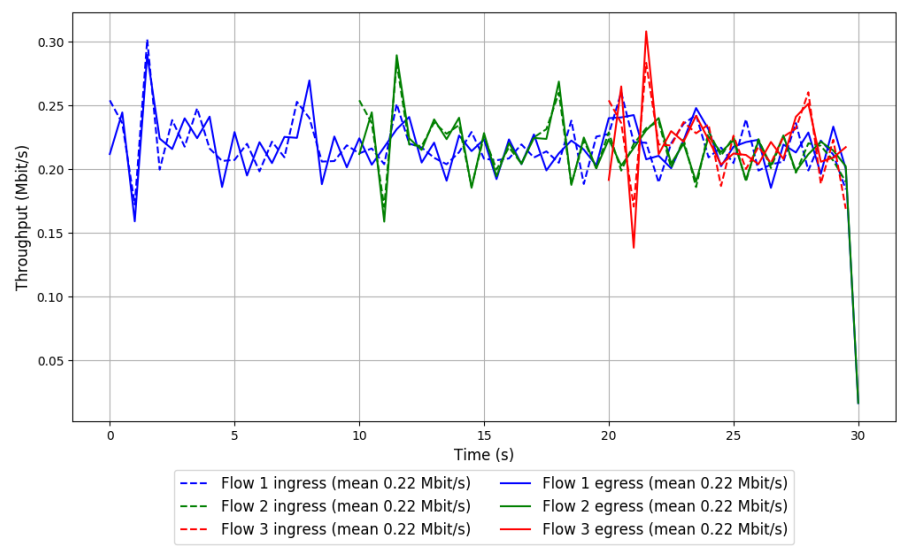


Run 6: Statistics of SReAM

Start at: 2018-02-04 23:30:04
End at: 2018-02-04 23:30:34
Local clock offset: -0.15 ms
Remote clock offset: -0.561 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 94.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.114 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

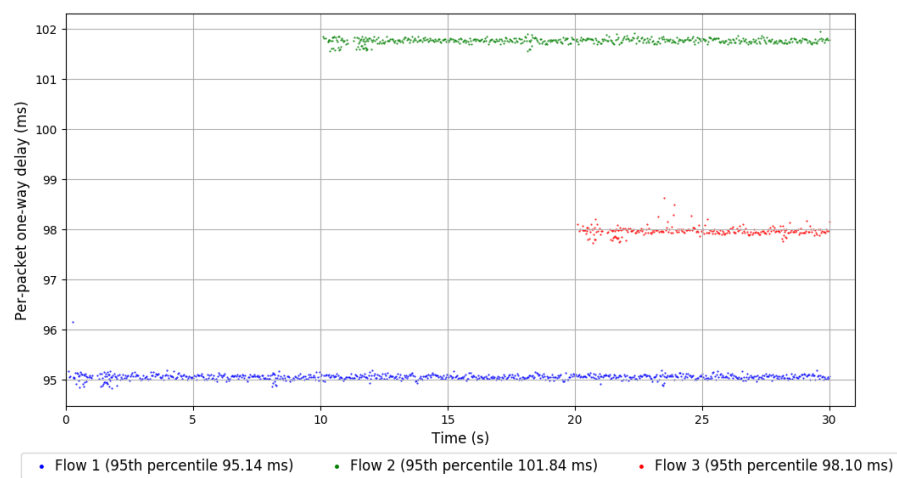
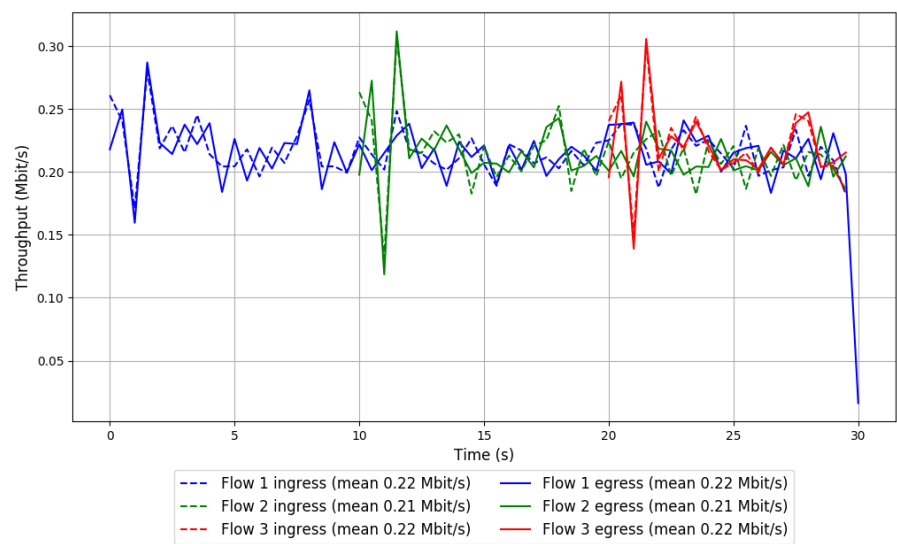


Run 7: Statistics of SReAM

Start at: 2018-02-04 23:53:53
End at: 2018-02-04 23:54:23
Local clock offset: -0.166 ms
Remote clock offset: -0.647 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 101.813 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 101.839 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.102 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

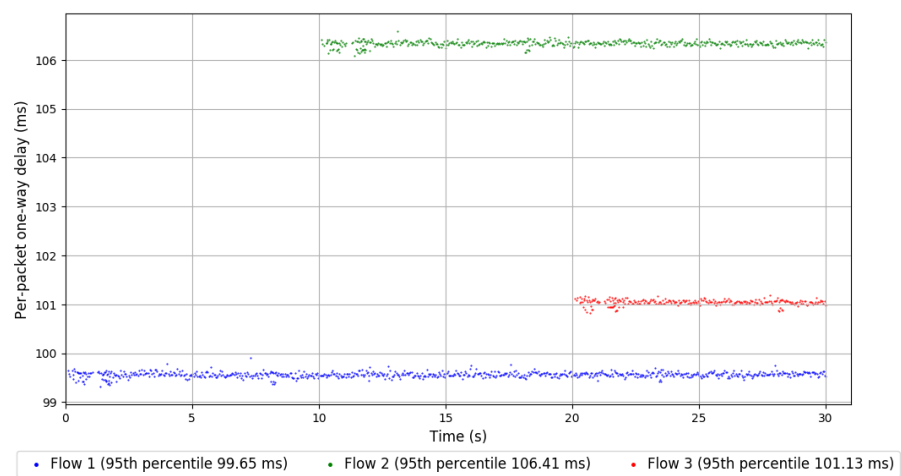
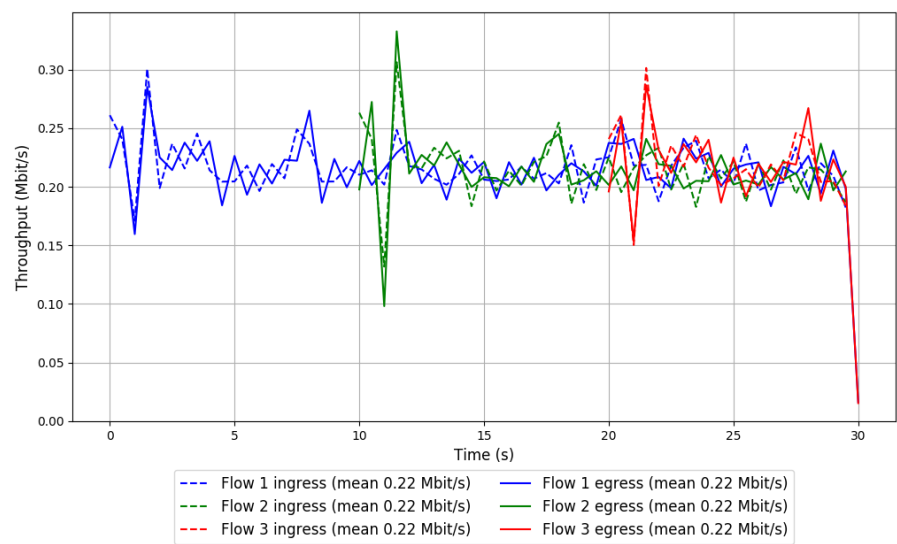


Run 8: Statistics of SReAM

Start at: 2018-02-05 00:17:46
End at: 2018-02-05 00:18:16
Local clock offset: -0.123 ms
Remote clock offset: 3.627 ms

```
# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 106.385 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.411 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.127 ms
Loss rate: 0.00%
```

Run 8: Report of SReAM — Data Link

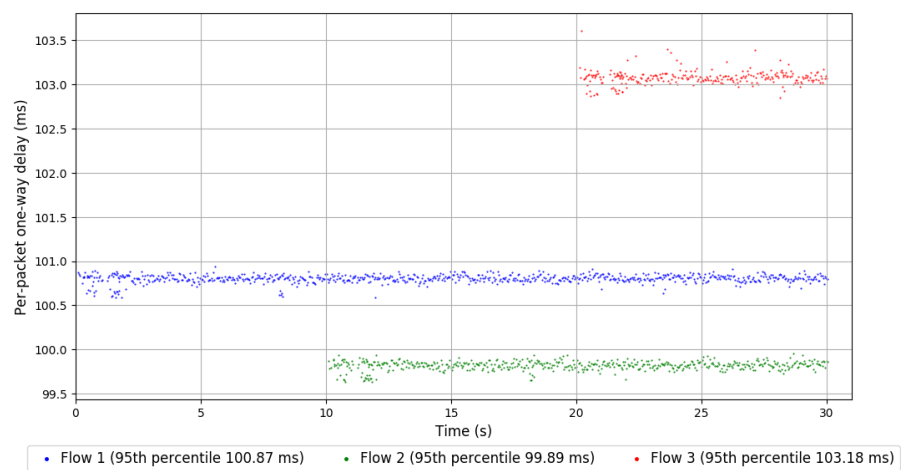
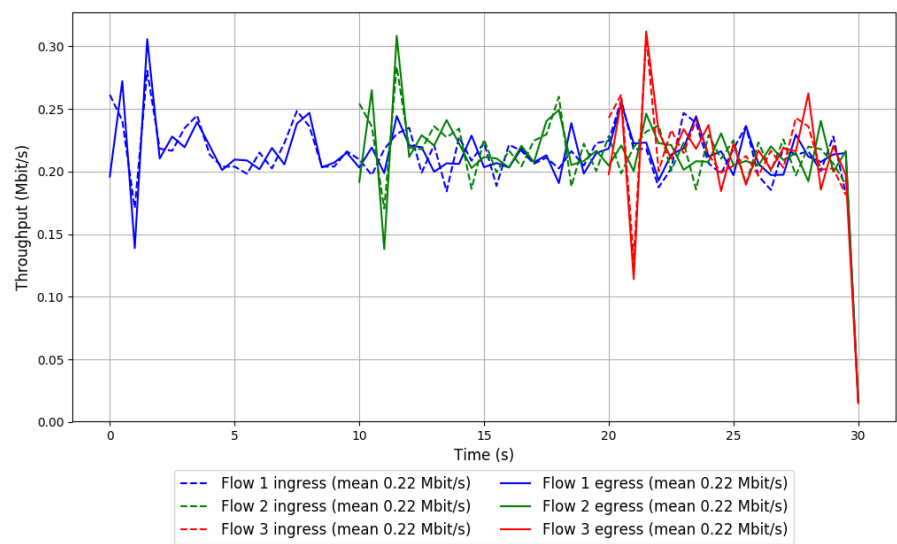


Run 9: Statistics of SReAM

Start at: 2018-02-05 00:41:33
End at: 2018-02-05 00:42:03
Local clock offset: -0.097 ms
Remote clock offset: 3.03 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 103.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.890 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.180 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

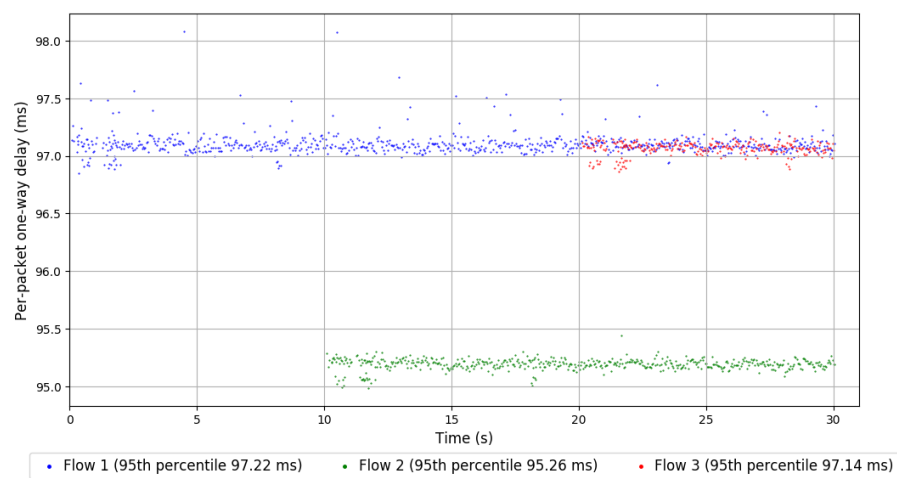
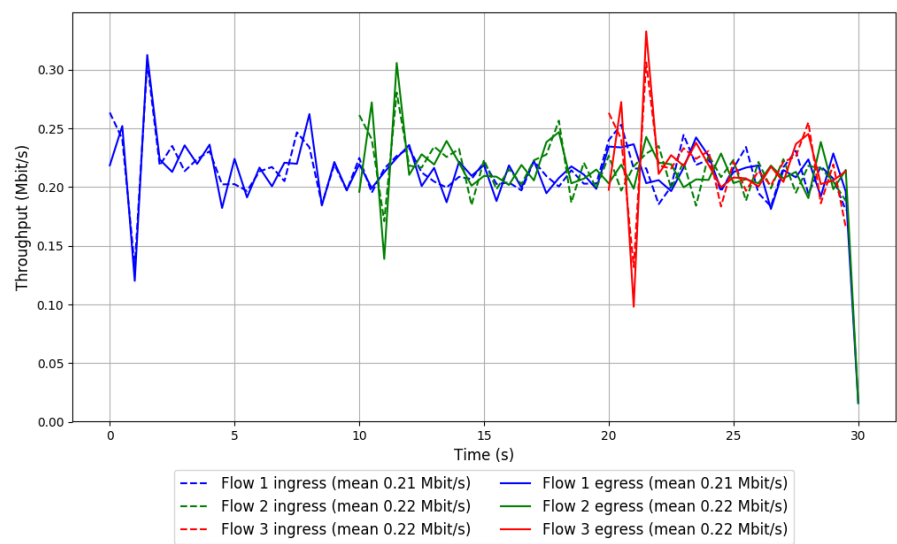


Run 10: Statistics of SReAM

Start at: 2018-02-05 01:05:24
End at: 2018-02-05 01:05:54
Local clock offset: -0.174 ms
Remote clock offset: -3.049 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 97.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 97.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.144 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

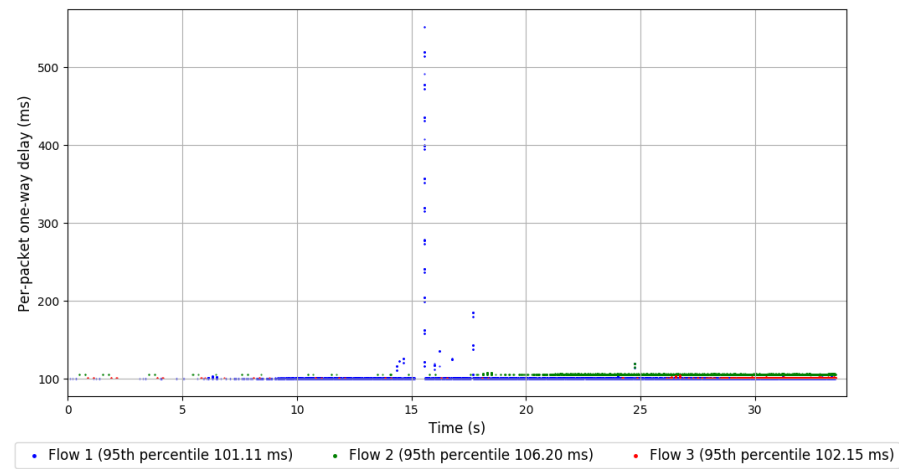
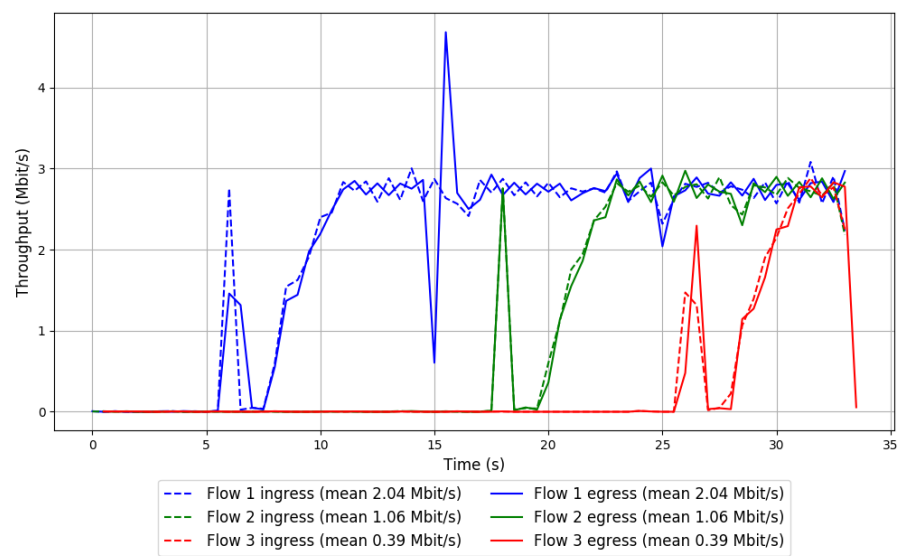


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-04 21:33:23
End at: 2018-02-04 21:33:53
Local clock offset: -0.177 ms
Remote clock offset: 3.173 ms

# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 106.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 101.107 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 106.199 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 102.146 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-04 21:57:17

End at: 2018-02-04 21:57:47

Local clock offset: -0.196 ms

Remote clock offset: 2.774 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 184.621 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 270.050 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 101.798 ms

Loss rate: 0.00%

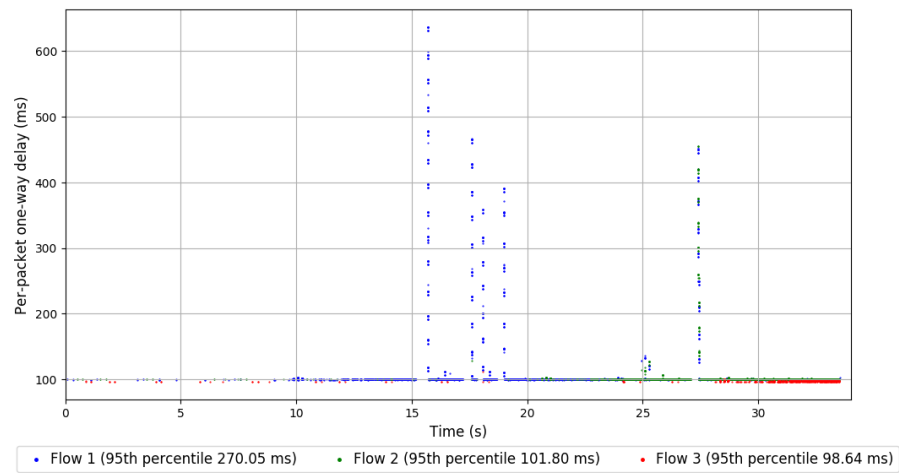
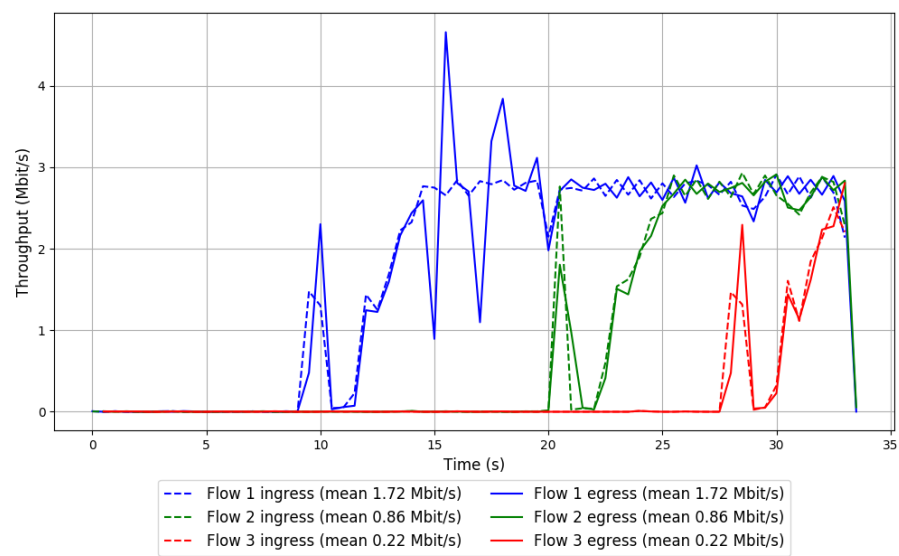
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 98.644 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

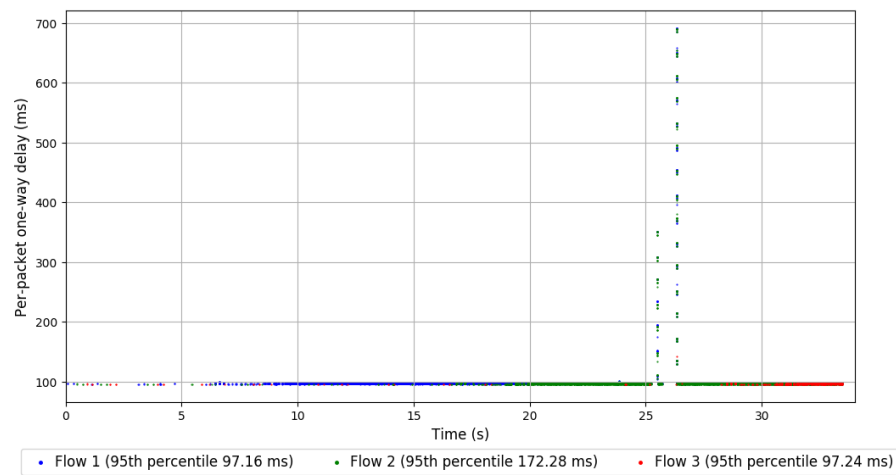
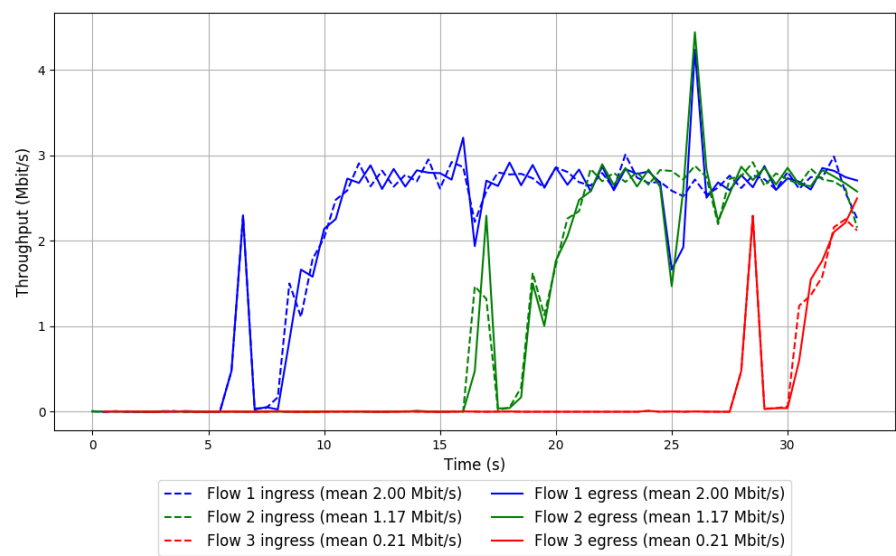


Run 3: Statistics of WebRTC media

Start at: 2018-02-04 22:21:12
End at: 2018-02-04 22:21:42
Local clock offset: -0.151 ms
Remote clock offset: -1.526 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 97.541 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 97.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 172.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 97.238 ms
Loss rate: 0.14%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-04 22:45:04

End at: 2018-02-04 22:45:34

Local clock offset: -0.14 ms

Remote clock offset: 2.317 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 107.918 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 100.912 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 108.883 ms

Loss rate: 0.00%

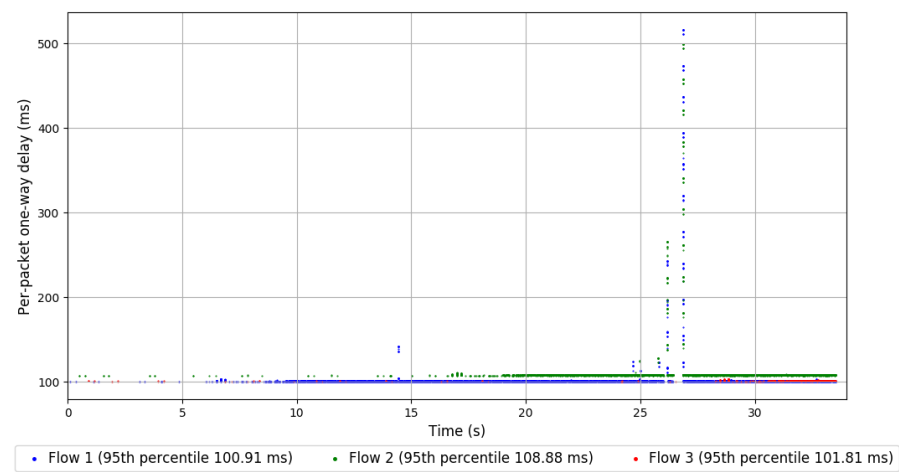
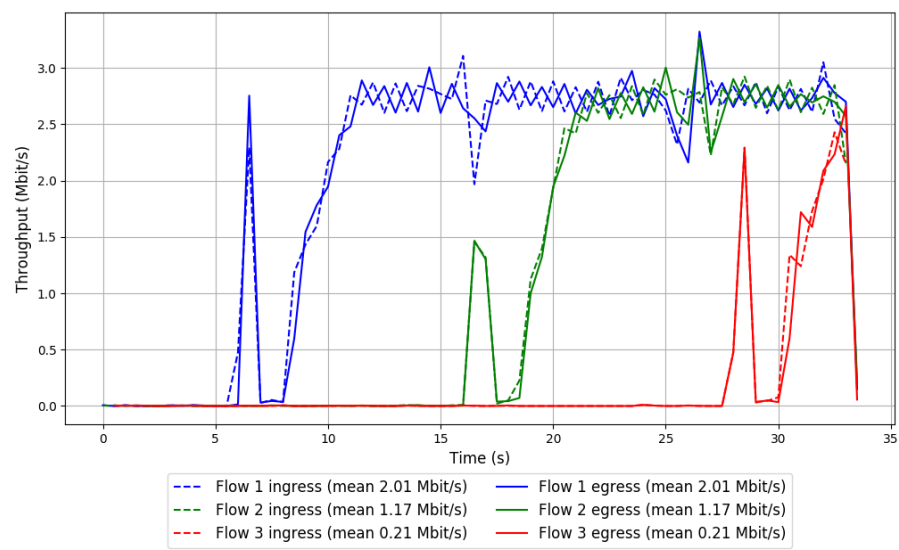
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 101.810 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-04 23:08:55

End at: 2018-02-04 23:09:25

Local clock offset: -0.19 ms

Remote clock offset: -1.61 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 97.596 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 94.312 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 97.740 ms

Loss rate: 0.00%

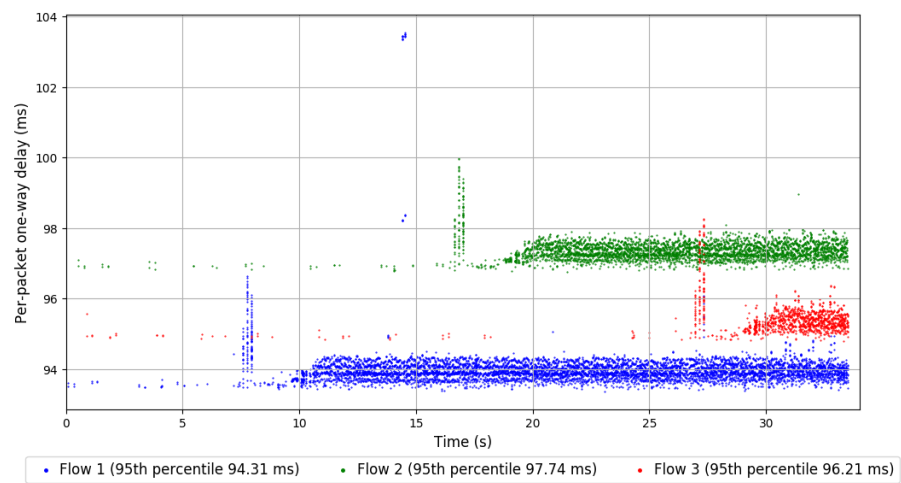
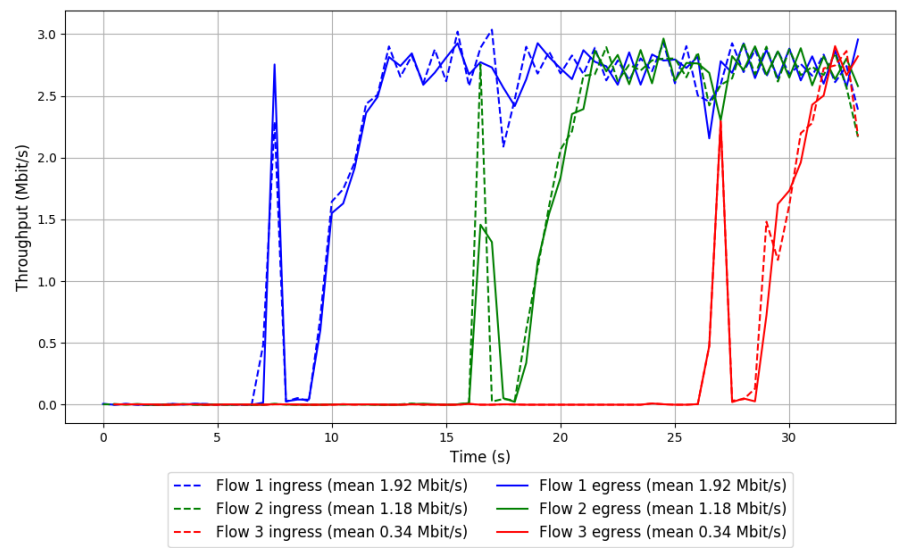
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 96.211 ms

Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link

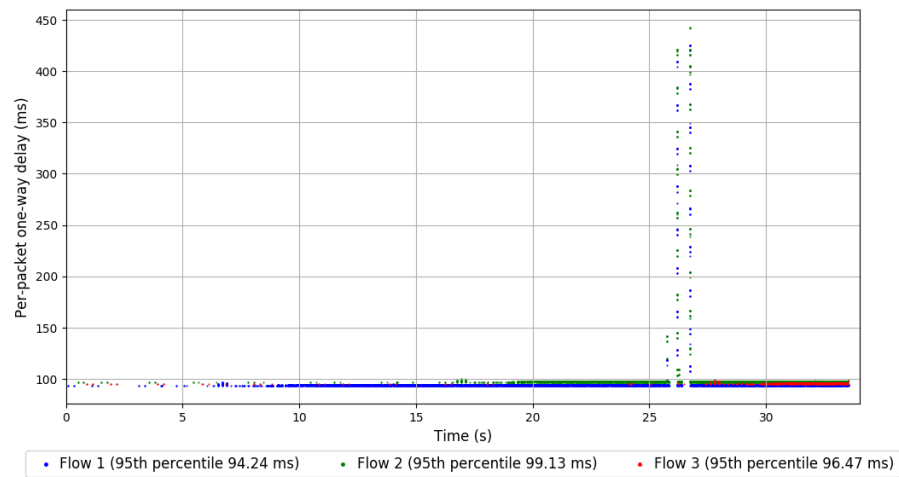
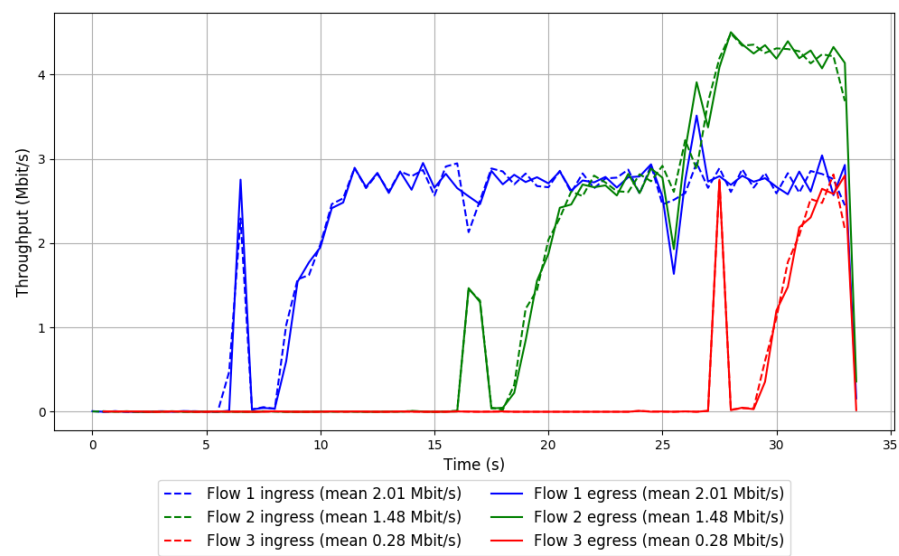


Run 6: Statistics of WebRTC media

Start at: 2018-02-04 23:32:41
End at: 2018-02-04 23:33:11
Local clock offset: -0.204 ms
Remote clock offset: -1.363 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 97.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 94.242 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 99.131 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 96.470 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

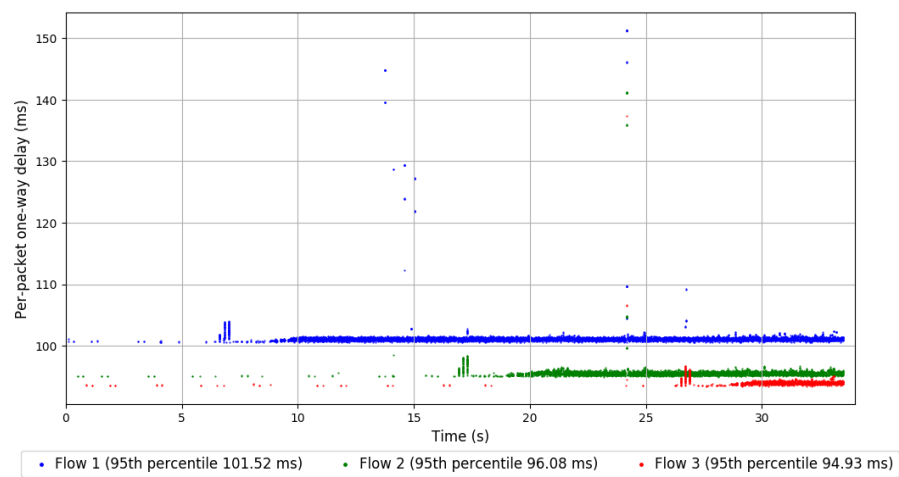
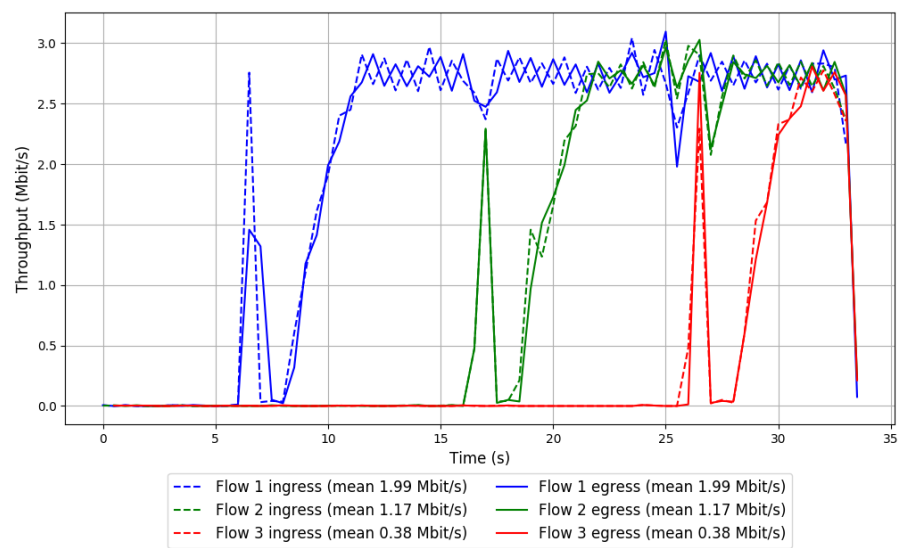


Run 7: Statistics of WebRTC media

Start at: 2018-02-04 23:56:30
End at: 2018-02-04 23:57:00
Local clock offset: -0.139 ms
Remote clock offset: -1.541 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 101.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 101.517 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 96.084 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 94.930 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-05 00:20:24

End at: 2018-02-05 00:20:54

Local clock offset: -0.109 ms

Remote clock offset: 3.457 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 106.536 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 99.676 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 106.641 ms

Loss rate: 0.00%

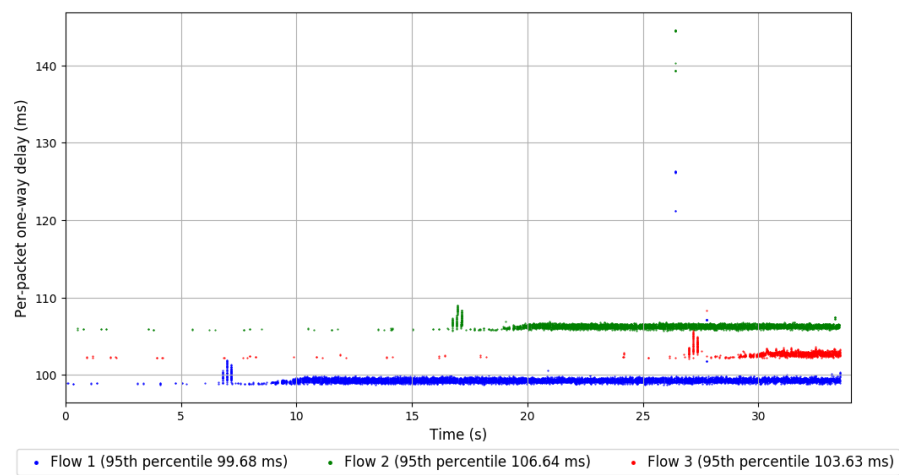
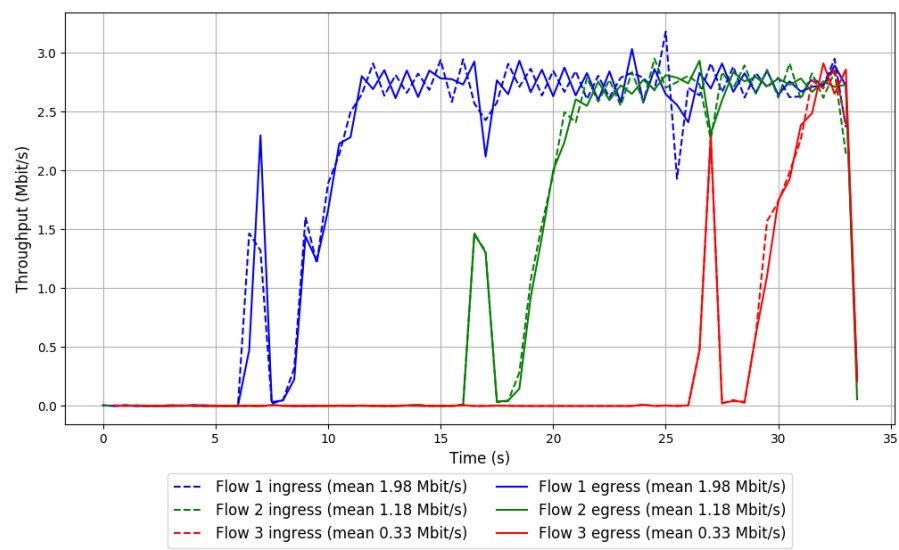
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 103.629 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-05 00:44:11

End at: 2018-02-05 00:44:41

Local clock offset: -0.16 ms

Remote clock offset: -2.67 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 99.037 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 99.092 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 96.221 ms

Loss rate: 0.00%

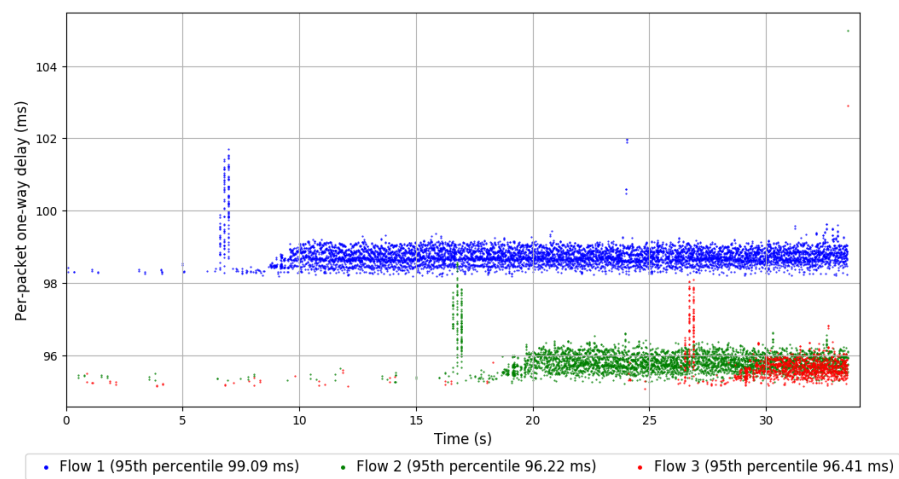
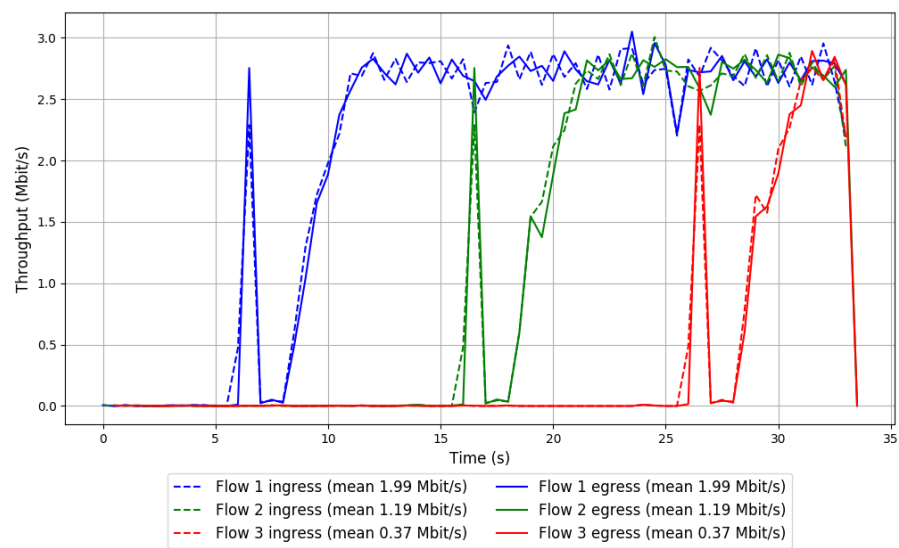
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 96.413 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

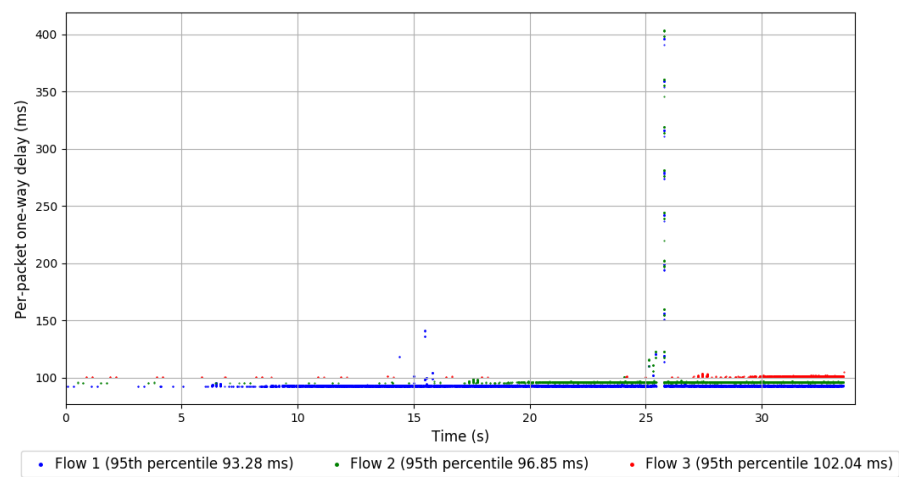
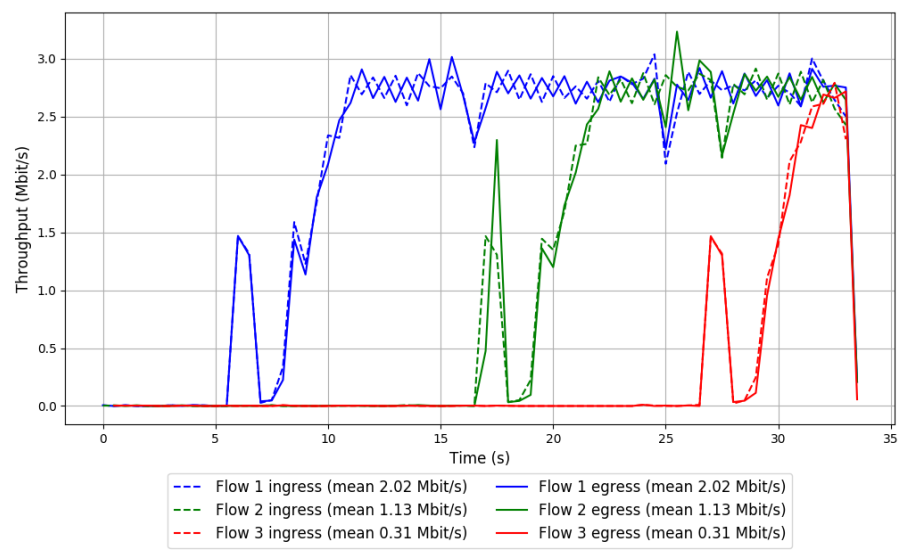


Run 10: Statistics of WebRTC media

Start at: 2018-02-05 01:08:03
End at: 2018-02-05 01:08:33
Local clock offset: -0.104 ms
Remote clock offset: -2.957 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 101.148 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 93.283 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 96.846 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 102.039 ms
Loss rate: 0.76%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-04 21:45:19

End at: 2018-02-04 21:45:49

Local clock offset: -0.196 ms

Remote clock offset: 3.725 ms

Below is generated by plot.py at 2018-02-05 01:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 109.754 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 108.712 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 110.634 ms

Loss rate: 0.00%

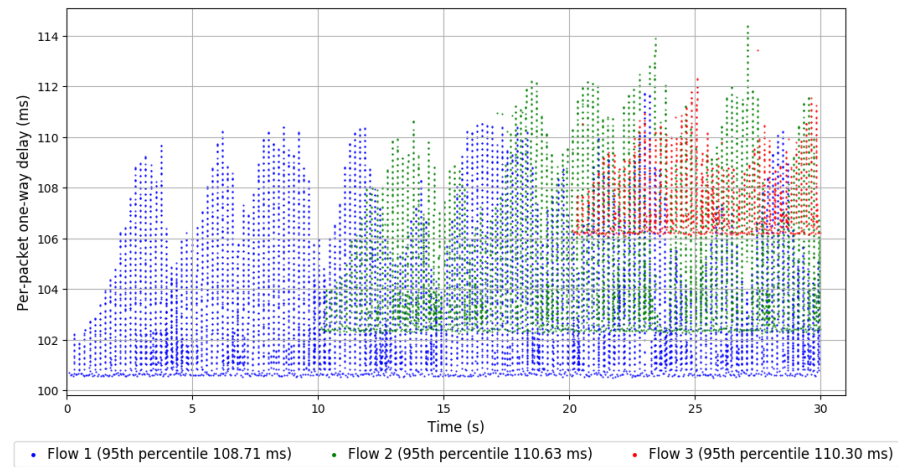
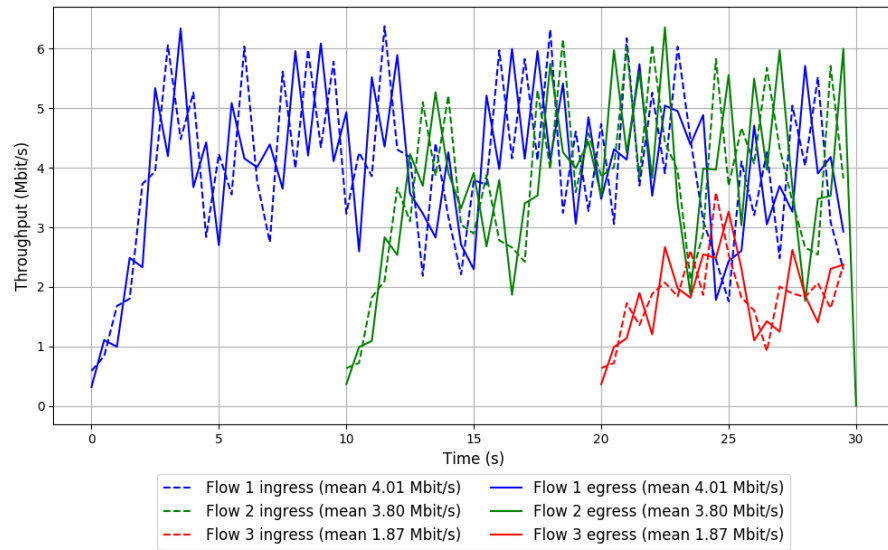
-- Flow 3:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 110.301 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

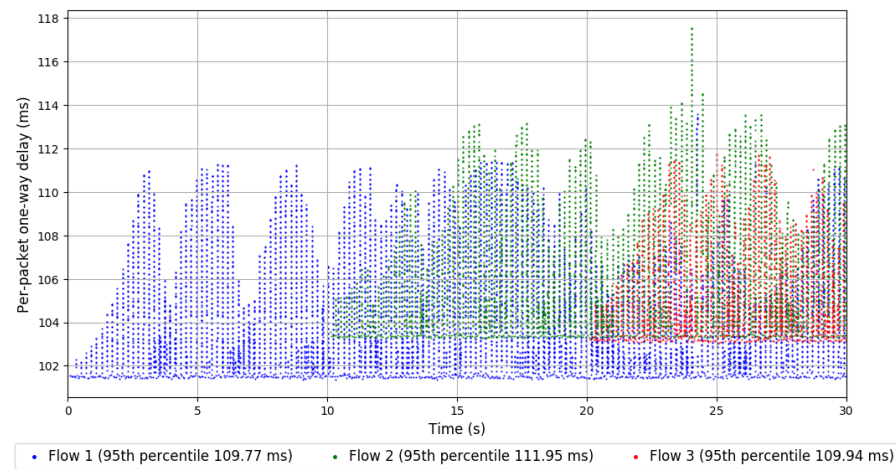
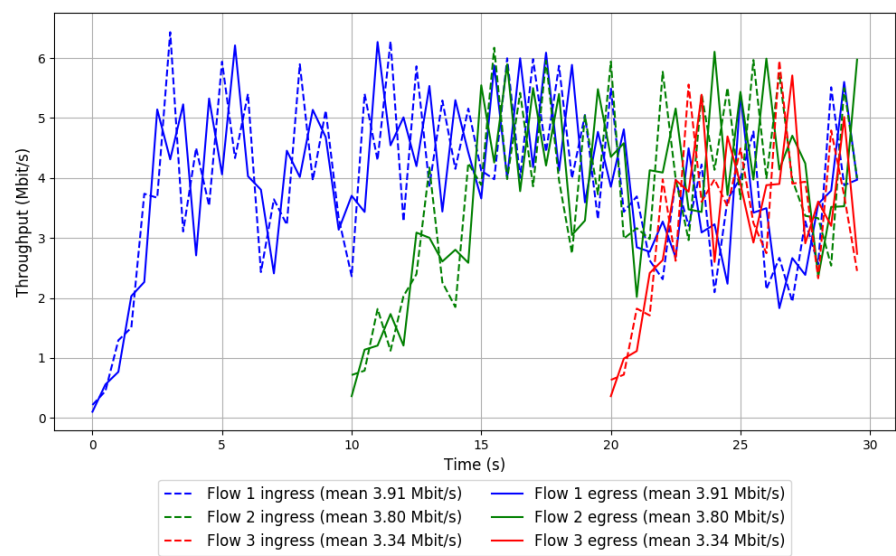


Run 2: Statistics of Sprout

Start at: 2018-02-04 22:09:13
End at: 2018-02-04 22:09:43
Local clock offset: -0.142 ms
Remote clock offset: 4.316 ms

```
# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 110.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 109.772 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 111.953 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 109.938 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

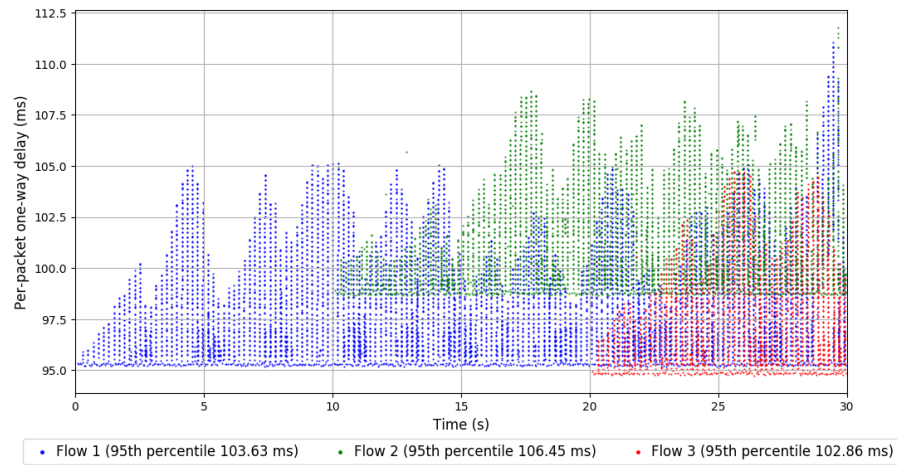
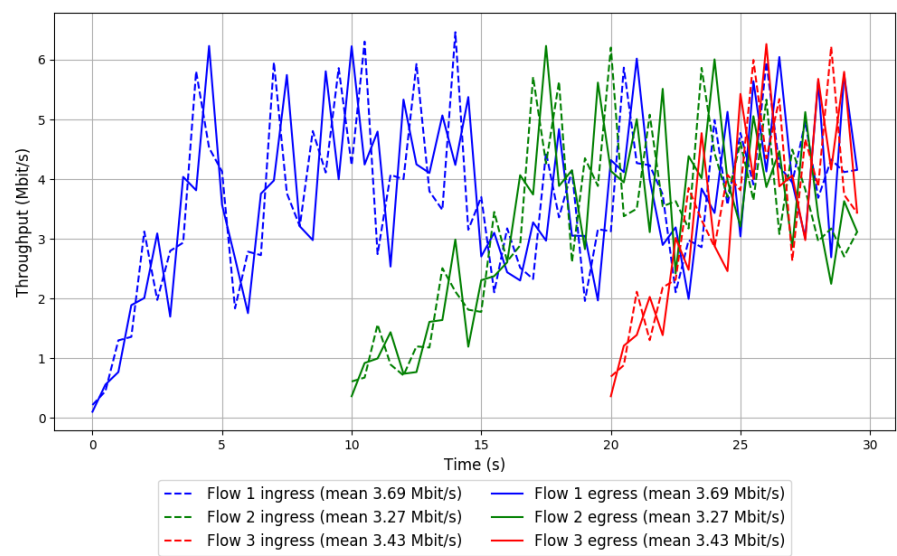


Run 3: Statistics of Sprout

Start at: 2018-02-04 22:33:07
End at: 2018-02-04 22:33:37
Local clock offset: -0.148 ms
Remote clock offset: -2.603 ms

```
# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 105.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 103.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 106.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 102.858 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

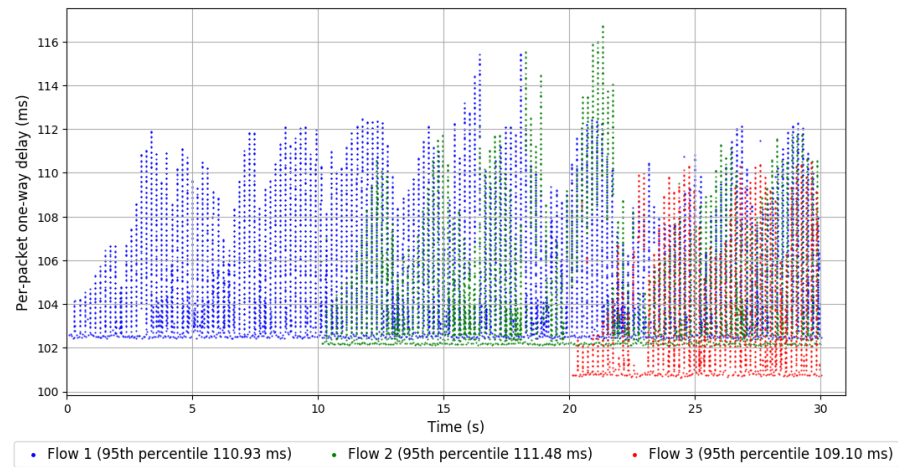
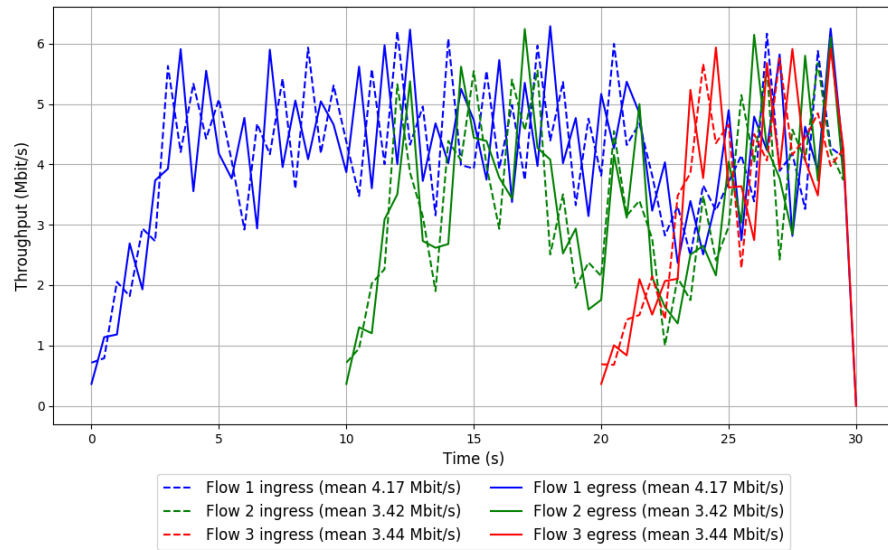


Run 4: Statistics of Sprout

Start at: 2018-02-04 22:56:59
End at: 2018-02-04 22:57:29
Local clock offset: -0.148 ms
Remote clock offset: 3.689 ms

```
# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 110.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 110.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 111.481 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 109.100 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

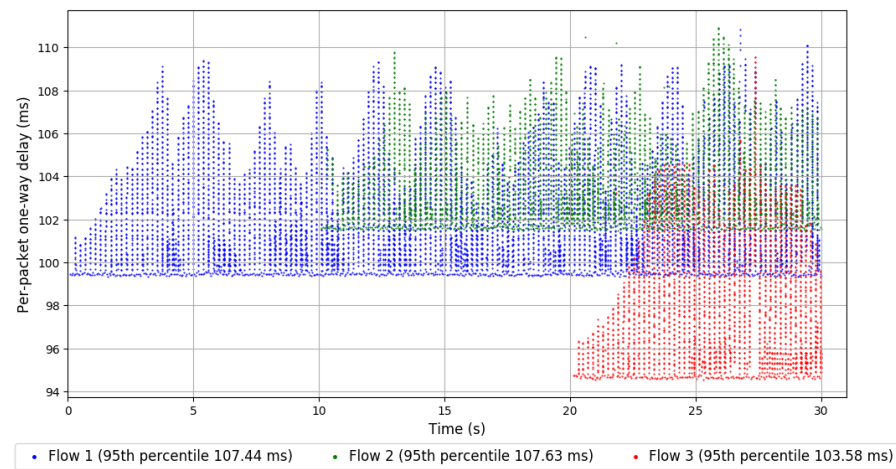
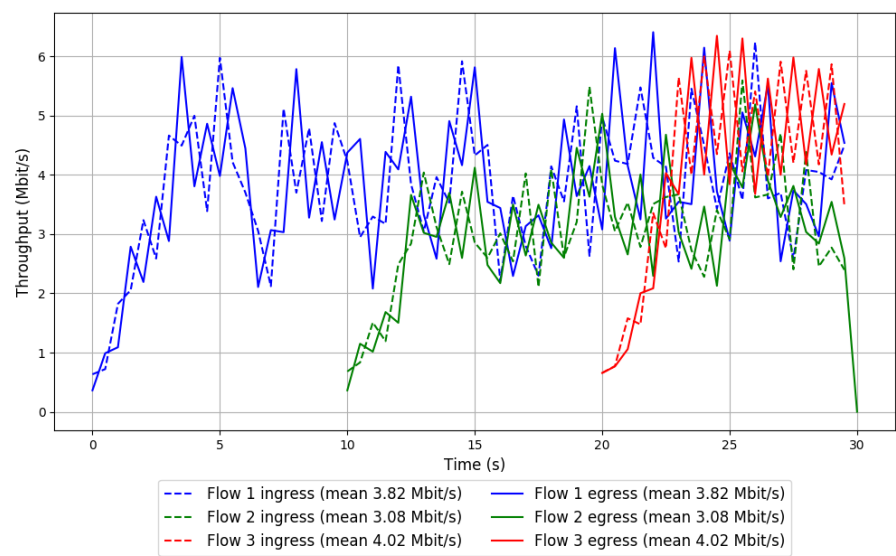


Run 5: Statistics of Sprout

Start at: 2018-02-04 23:20:49
End at: 2018-02-04 23:21:19
Local clock offset: -0.175 ms
Remote clock offset: -0.586 ms

```
# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 107.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 107.437 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 107.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 103.580 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

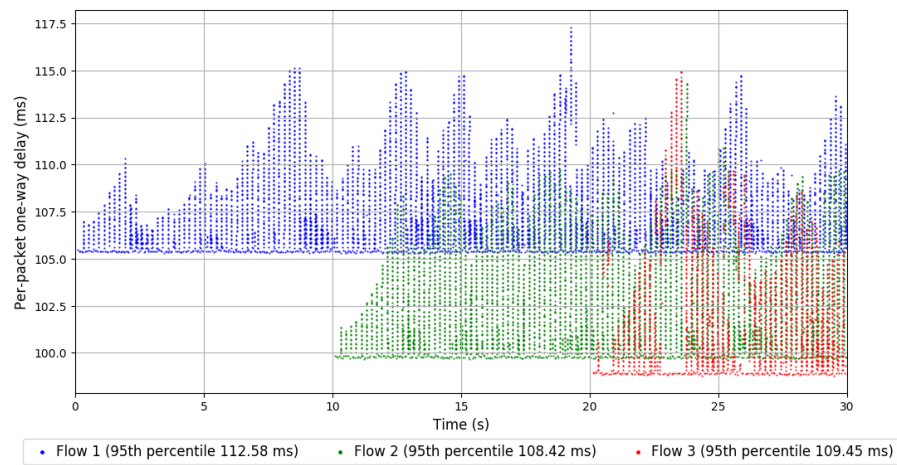
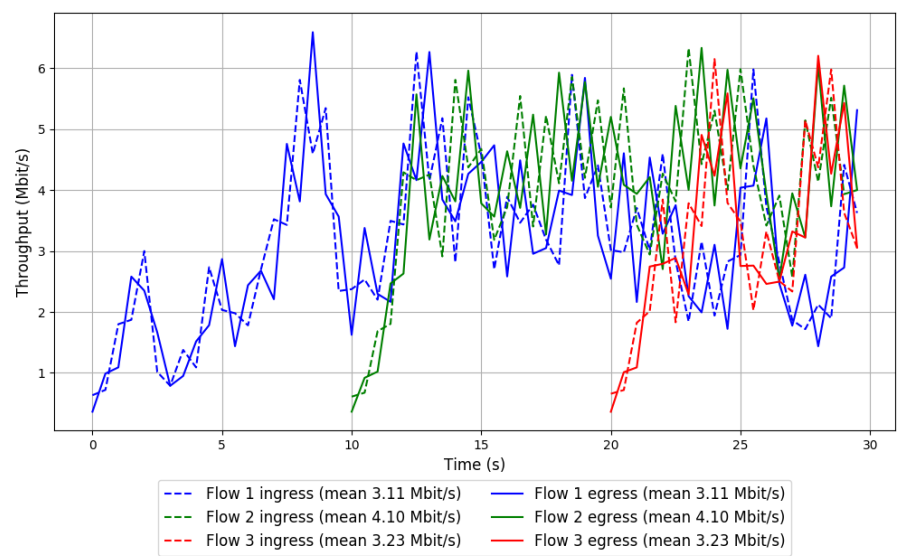


Run 6: Statistics of Sprout

Start at: 2018-02-04 23:44:36
End at: 2018-02-04 23:45:06
Local clock offset: -0.111 ms
Remote clock offset: 3.679 ms

```
# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 111.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 112.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 108.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 109.449 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

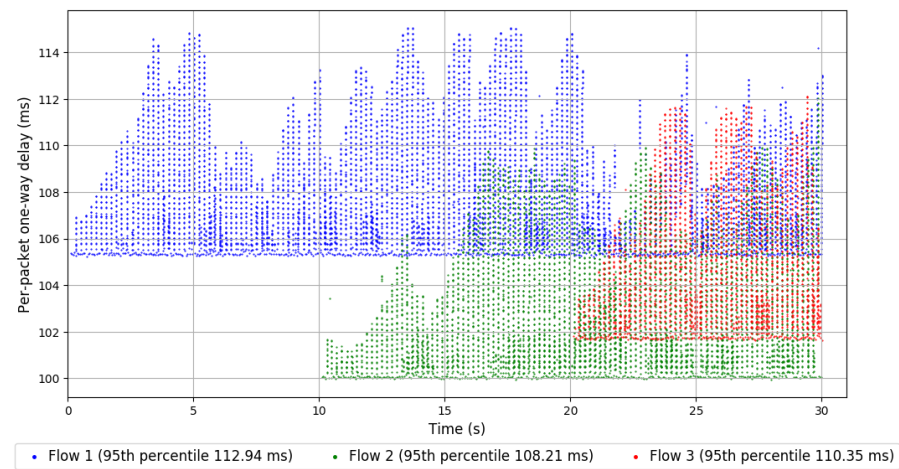
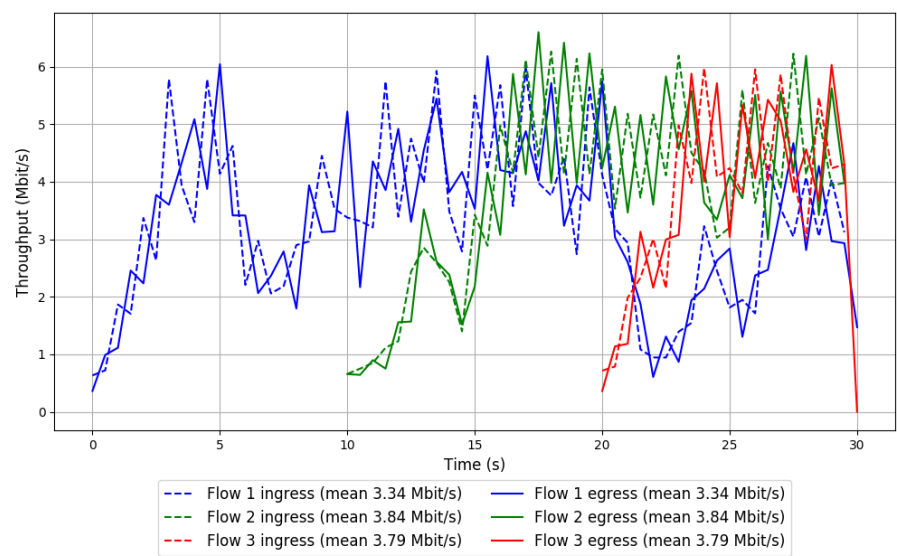


Run 7: Statistics of Sprout

Start at: 2018-02-05 00:08:30
End at: 2018-02-05 00:09:00
Local clock offset: -0.099 ms
Remote clock offset: 4.708 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 111.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 112.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 108.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 110.346 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

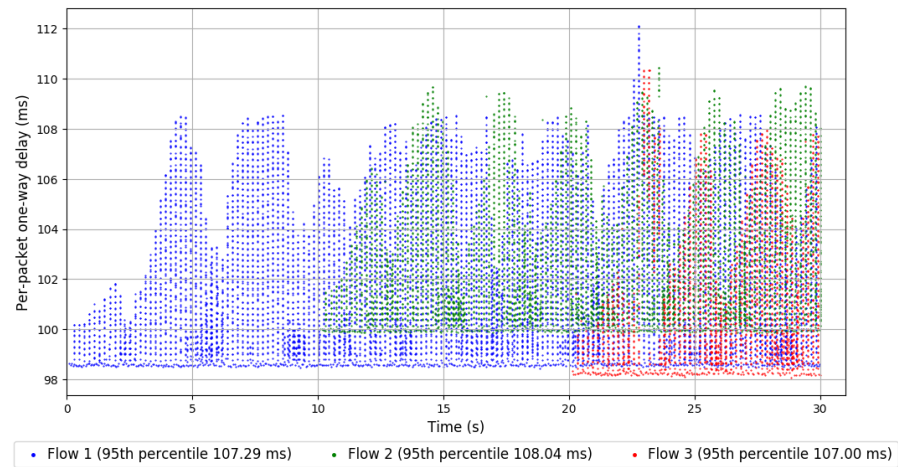
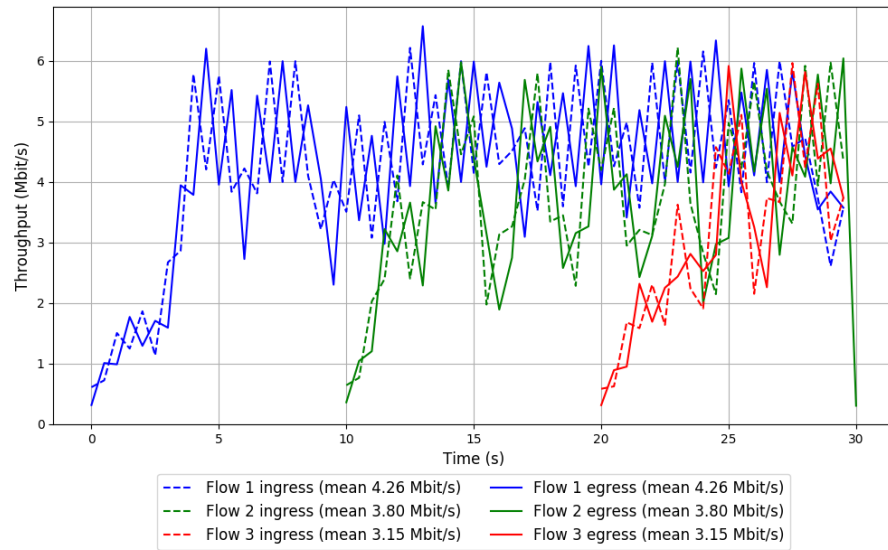


Run 8: Statistics of Sprout

Start at: 2018-02-05 00:32:17
End at: 2018-02-05 00:32:47
Local clock offset: -0.098 ms
Remote clock offset: 2.35 ms

```
# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 107.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 107.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 108.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 106.998 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

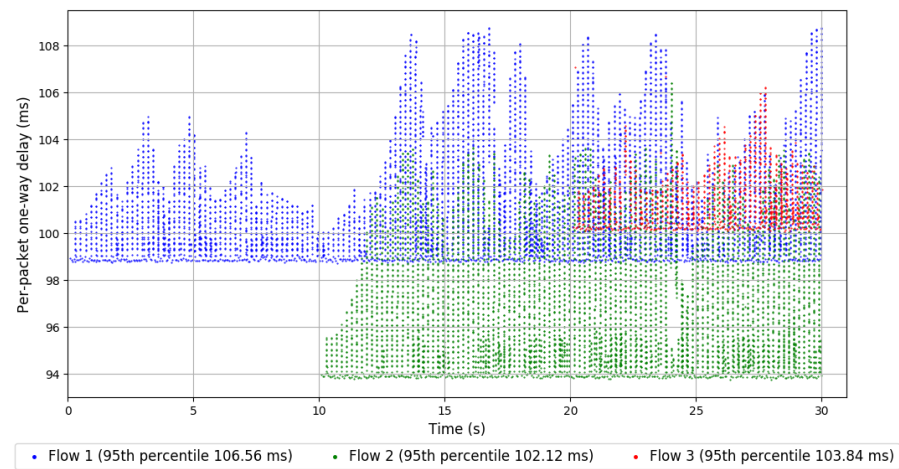
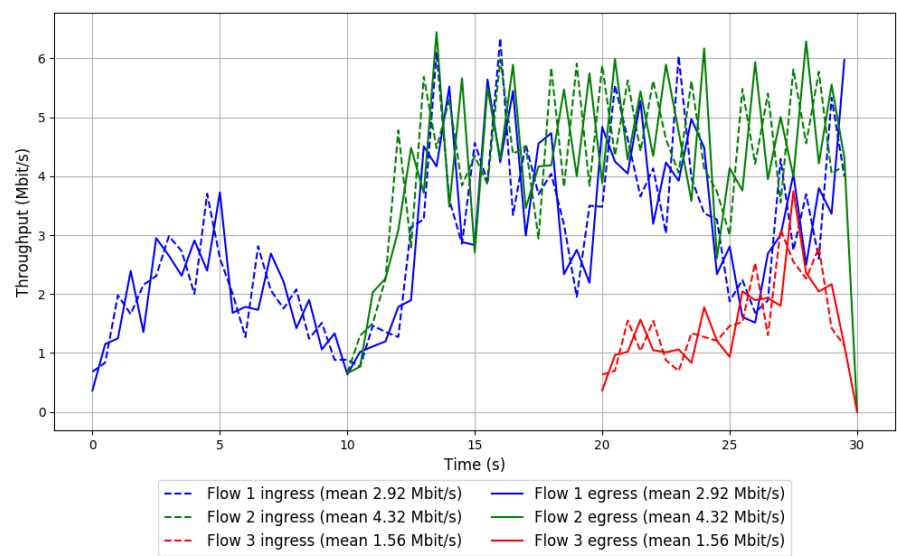


Run 9: Statistics of Sprout

Start at: 2018-02-05 00:56:06
End at: 2018-02-05 00:56:36
Local clock offset: -0.19 ms
Remote clock offset: -2.981 ms

Below is generated by plot.py at 2018-02-05 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 105.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 106.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 102.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 103.842 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

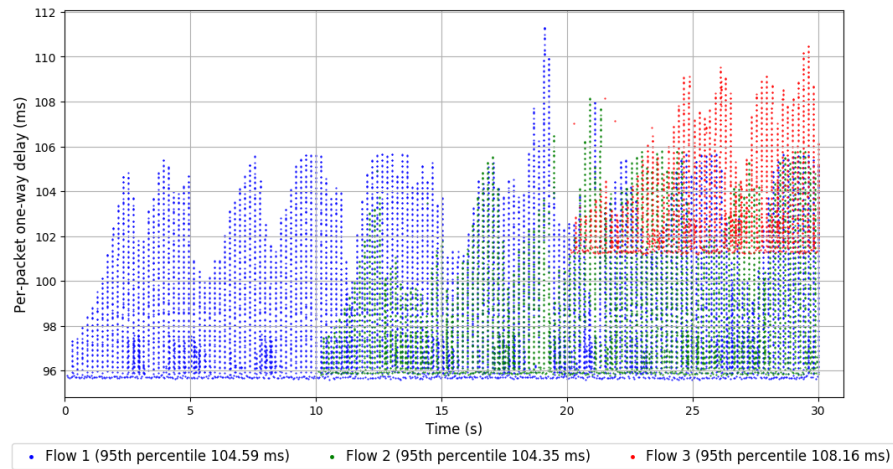
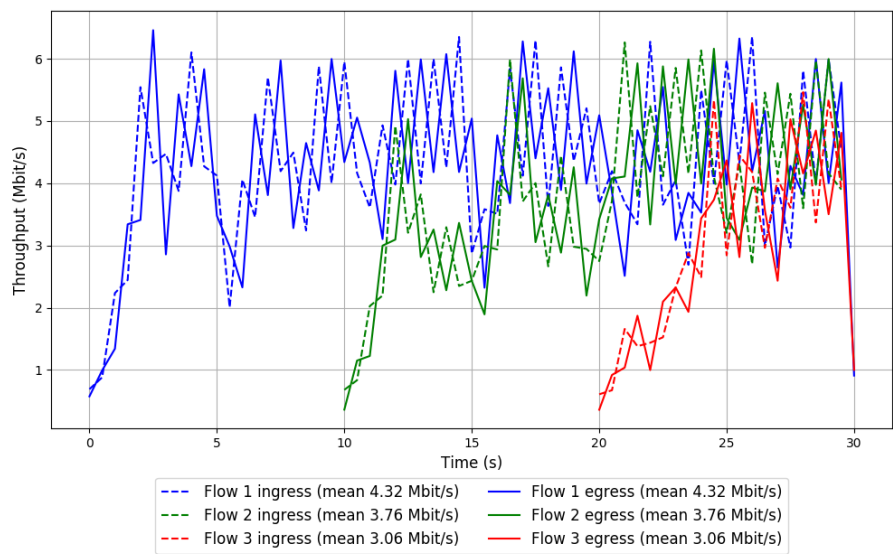


Run 10: Statistics of Sprout

Start at: 2018-02-05 01:19:59
End at: 2018-02-05 01:20:29
Local clock offset: -0.095 ms
Remote clock offset: -1.915 ms

```
# Below is generated by plot.py at 2018-02-05 01:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 105.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 104.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 104.351 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 108.164 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

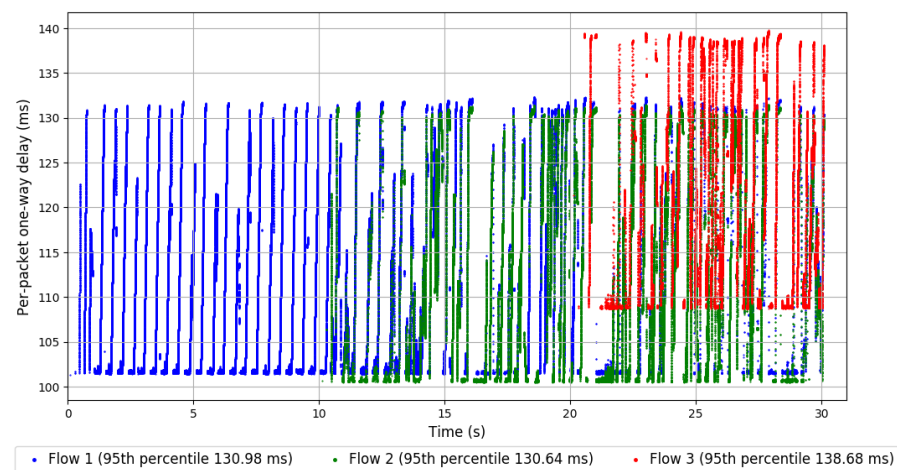
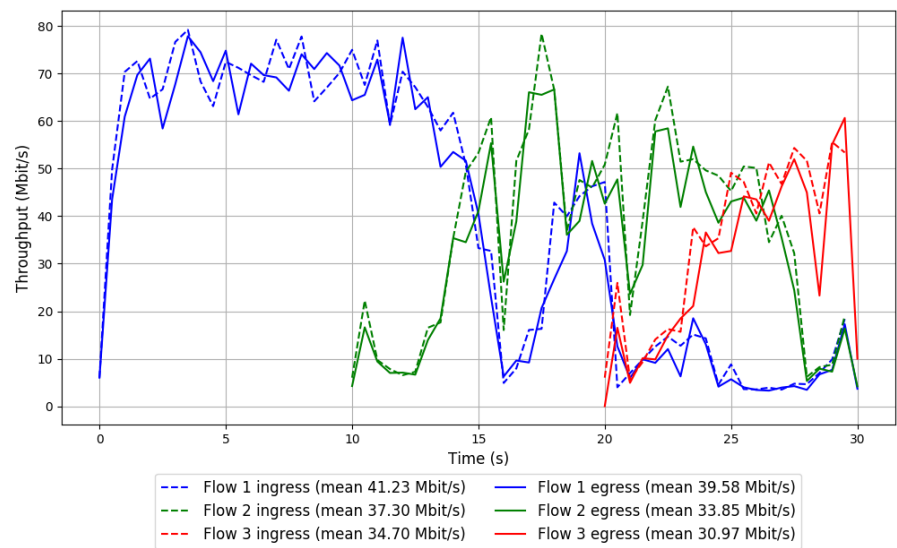


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-04 21:38:37
End at: 2018-02-04 21:39:07
Local clock offset: -0.133 ms
Remote clock offset: 4.603 ms

# Below is generated by plot.py at 2018-02-05 01:56:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 131.319 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 130.984 ms
Loss rate: 3.92%
-- Flow 2:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 130.639 ms
Loss rate: 9.13%
-- Flow 3:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 138.675 ms
Loss rate: 10.66%
```


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

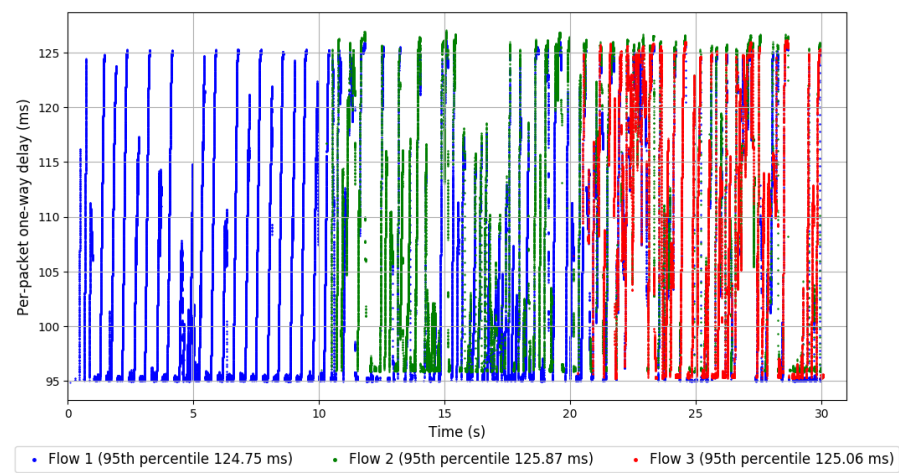
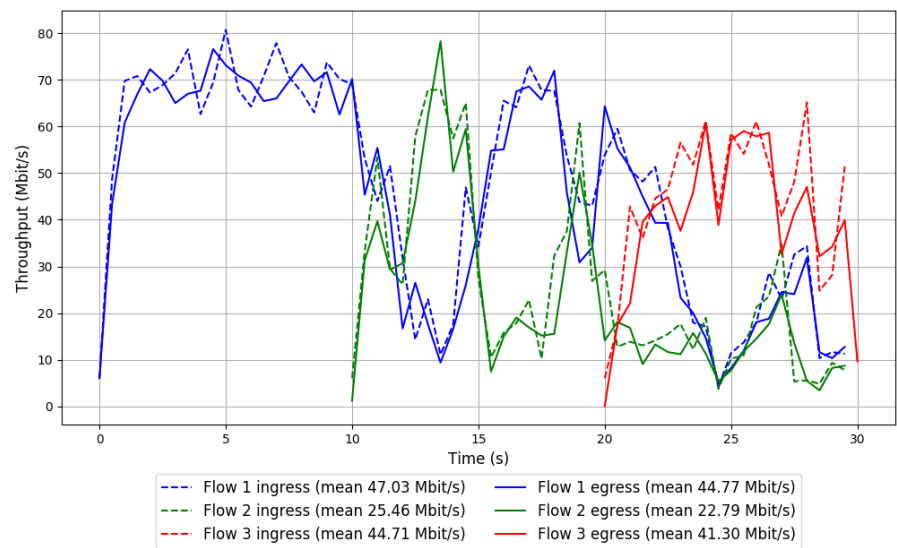


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-04 22:02:31
End at: 2018-02-04 22:03:01
Local clock offset: -0.142 ms
Remote clock offset: -2.151 ms

Below is generated by plot.py at 2018-02-05 01:56:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 125.120 ms
Loss rate: 6.58%
-- Flow 1:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 124.750 ms
Loss rate: 4.80%
-- Flow 2:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 125.867 ms
Loss rate: 10.51%
-- Flow 3:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 125.058 ms
Loss rate: 7.73%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-04 22:26:26

End at: 2018-02-04 22:26:56

Local clock offset: -0.213 ms

Remote clock offset: 2.402 ms

Below is generated by plot.py at 2018-02-05 01:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.26 Mbit/s

95th percentile per-packet one-way delay: 129.954 ms

Loss rate: 7.13%

-- Flow 1:

Average throughput: 43.18 Mbit/s

95th percentile per-packet one-way delay: 128.378 ms

Loss rate: 4.36%

-- Flow 2:

Average throughput: 29.45 Mbit/s

95th percentile per-packet one-way delay: 130.696 ms

Loss rate: 11.79%

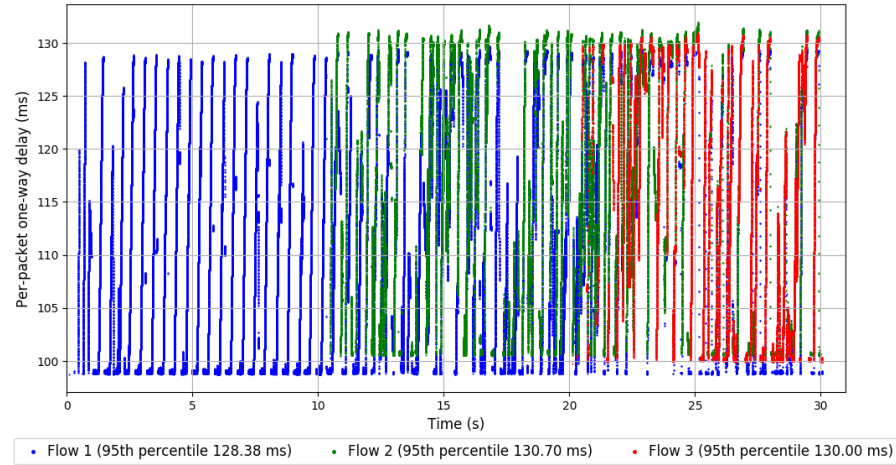
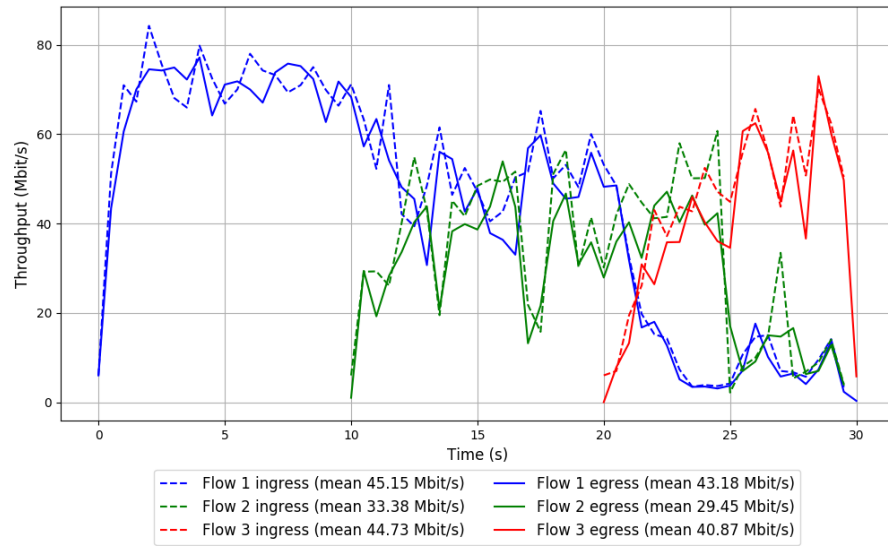
-- Flow 3:

Average throughput: 40.87 Mbit/s

95th percentile per-packet one-way delay: 129.996 ms

Loss rate: 8.61%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-04 22:50:18

End at: 2018-02-04 22:50:48

Local clock offset: -0.167 ms

Remote clock offset: 3.369 ms

Below is generated by plot.py at 2018-02-05 01:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.31 Mbit/s

95th percentile per-packet one-way delay: 135.646 ms

Loss rate: 6.70%

-- Flow 1:

Average throughput: 40.26 Mbit/s

95th percentile per-packet one-way delay: 136.071 ms

Loss rate: 5.45%

-- Flow 2:

Average throughput: 42.39 Mbit/s

95th percentile per-packet one-way delay: 134.613 ms

Loss rate: 7.53%

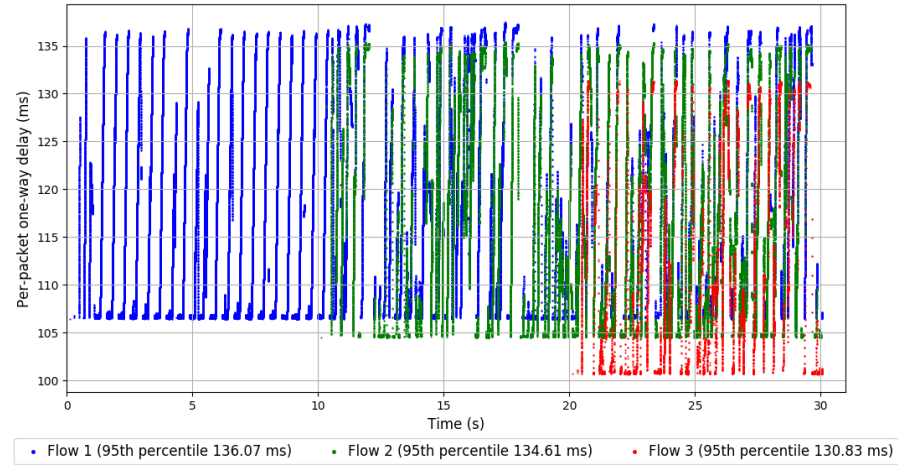
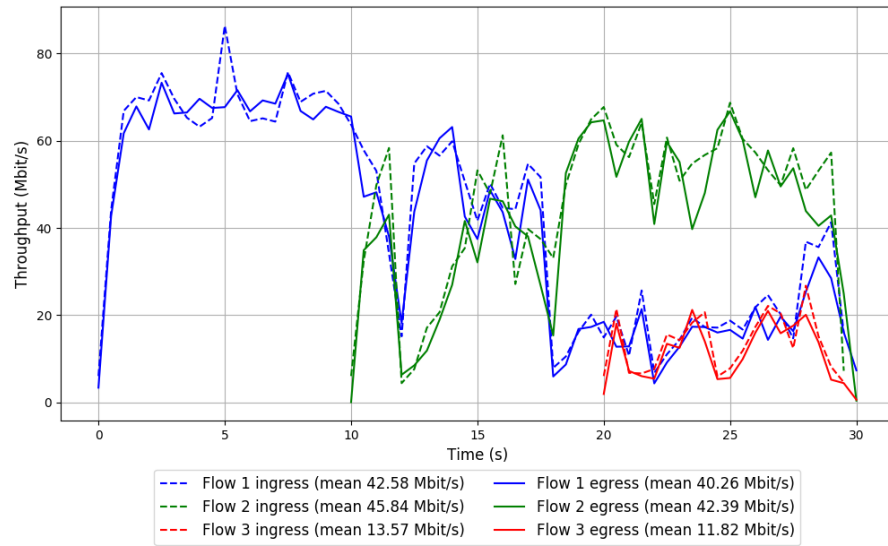
-- Flow 3:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 130.828 ms

Loss rate: 12.87%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-04 23:14:07

End at: 2018-02-04 23:14:37

Local clock offset: -0.252 ms

Remote clock offset: 3.323 ms

Below is generated by plot.py at 2018-02-05 01:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 130.150 ms

Loss rate: 5.75%

-- Flow 1:

Average throughput: 48.07 Mbit/s

95th percentile per-packet one-way delay: 130.258 ms

Loss rate: 4.18%

-- Flow 2:

Average throughput: 39.19 Mbit/s

95th percentile per-packet one-way delay: 130.029 ms

Loss rate: 7.35%

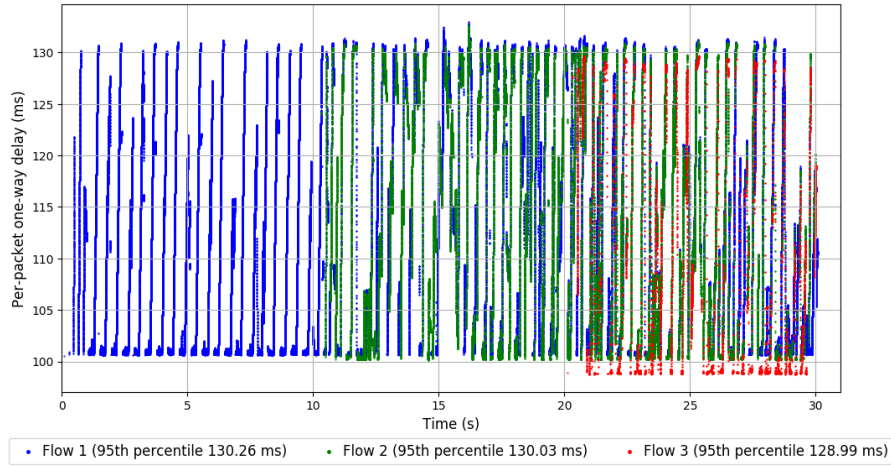
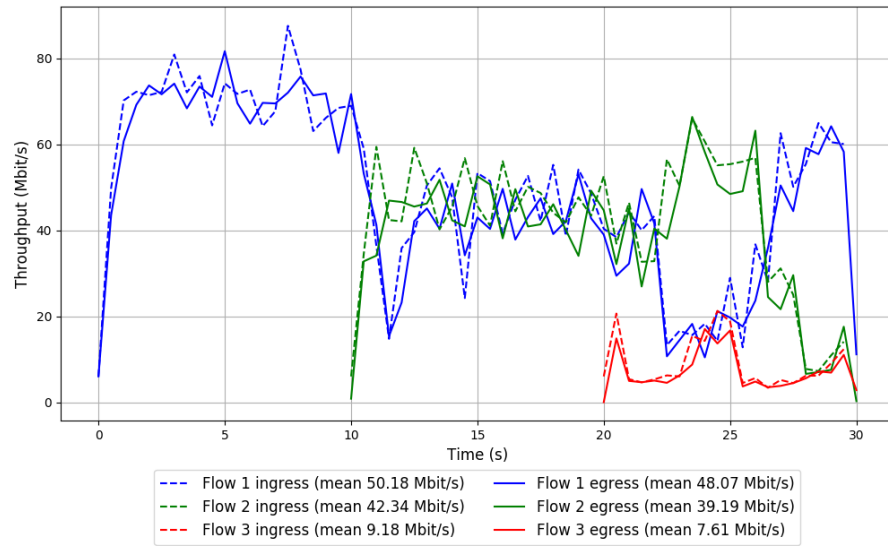
-- Flow 3:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 128.985 ms

Loss rate: 16.87%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-04 23:37:54

End at: 2018-02-04 23:38:24

Local clock offset: -0.129 ms

Remote clock offset: -1.31 ms

Below is generated by plot.py at 2018-02-05 01:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 124.828 ms

Loss rate: 5.67%

-- Flow 1:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 123.139 ms

Loss rate: 4.54%

-- Flow 2:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 123.242 ms

Loss rate: 7.64%

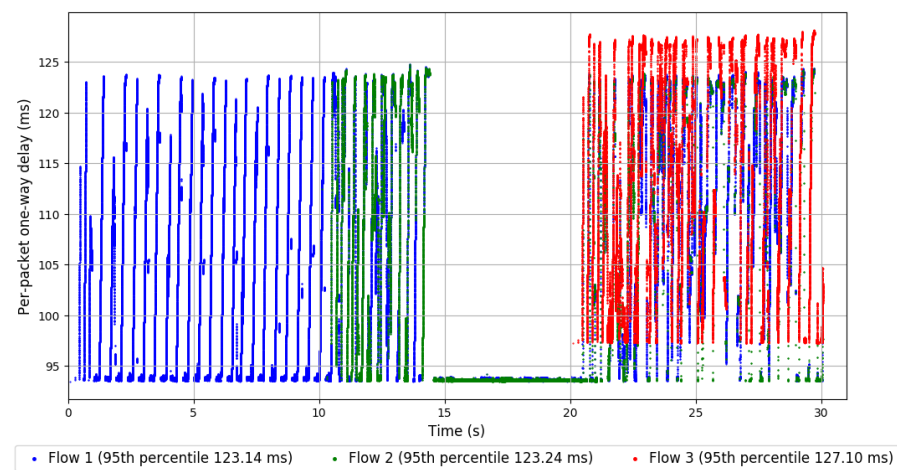
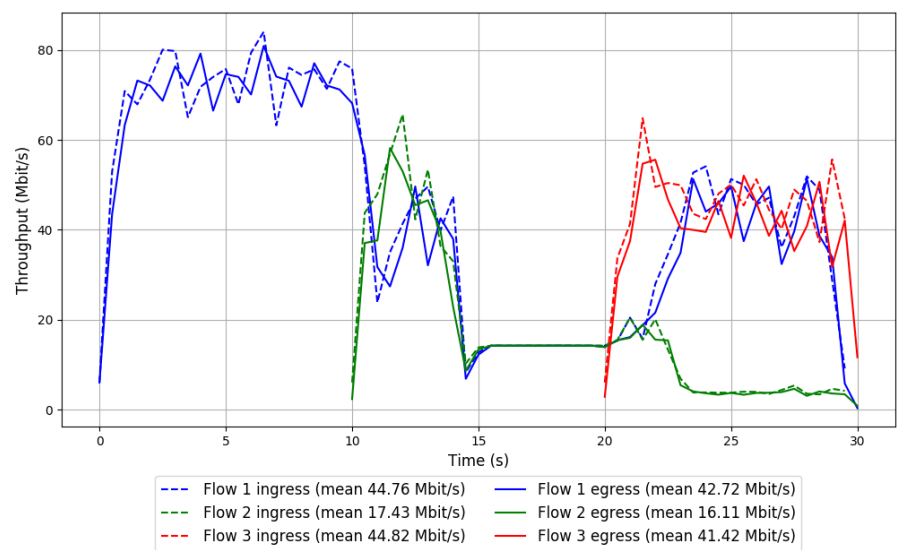
-- Flow 3:

Average throughput: 41.42 Mbit/s

95th percentile per-packet one-way delay: 127.099 ms

Loss rate: 7.54%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-05 00:01:45

End at: 2018-02-05 00:02:15

Local clock offset: -0.098 ms

Remote clock offset: 4.022 ms

Below is generated by plot.py at 2018-02-05 01:57:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 131.246 ms

Loss rate: 6.34%

-- Flow 1:

Average throughput: 39.20 Mbit/s

95th percentile per-packet one-way delay: 130.525 ms

Loss rate: 4.78%

-- Flow 2:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 132.691 ms

Loss rate: 7.97%

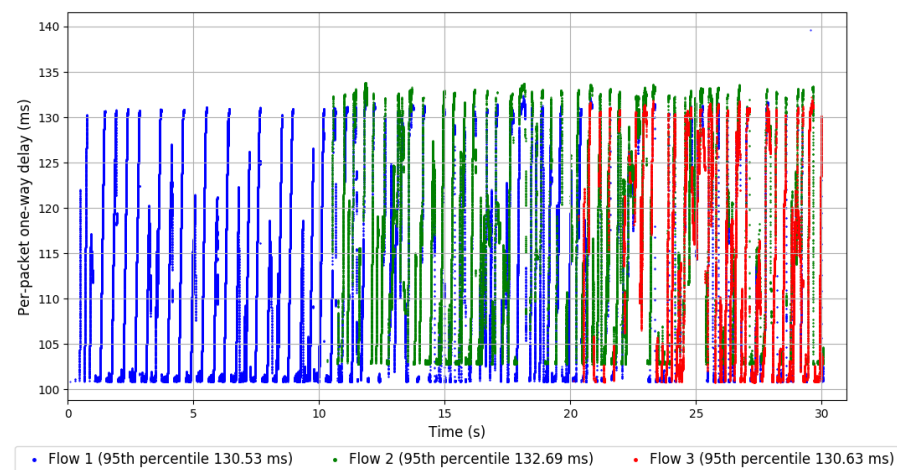
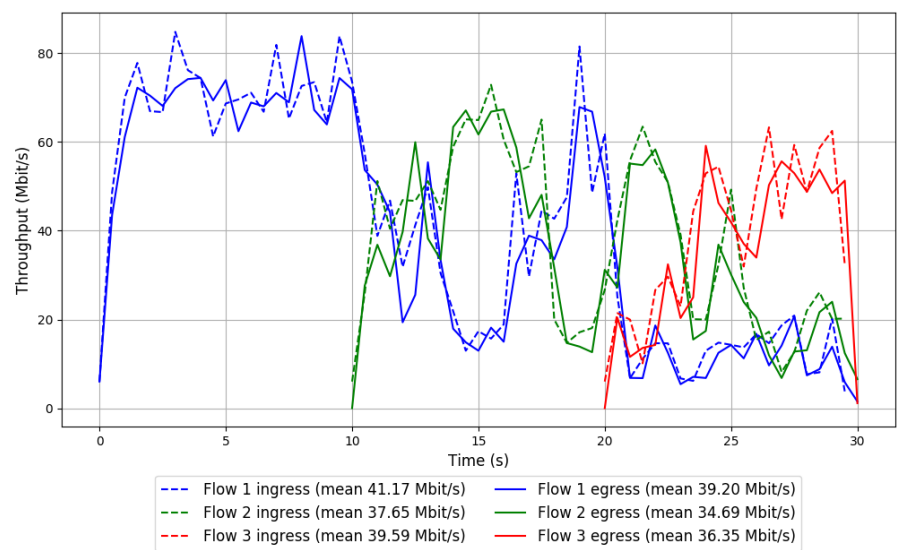
-- Flow 3:

Average throughput: 36.35 Mbit/s

95th percentile per-packet one-way delay: 130.635 ms

Loss rate: 8.15%

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

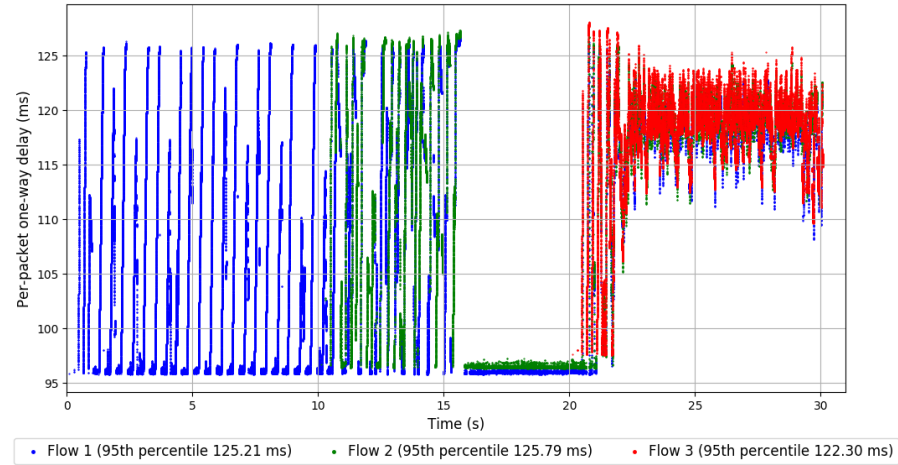
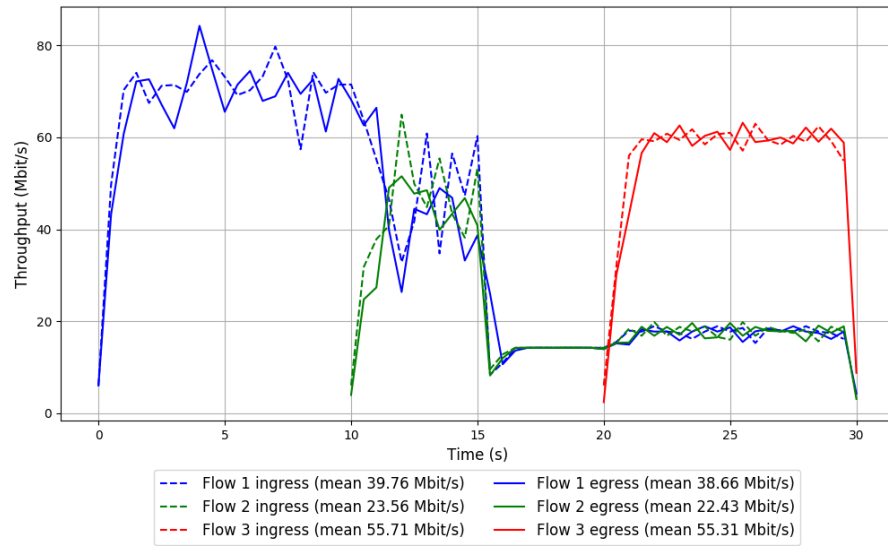


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-05 00:25:36
End at: 2018-02-05 00:26:07
Local clock offset: -0.109 ms
Remote clock offset: -1.478 ms

Below is generated by plot.py at 2018-02-05 01:57:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 124.965 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 125.211 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 125.788 ms
Loss rate: 4.67%
-- Flow 3:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 122.297 ms
Loss rate: 0.54%

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

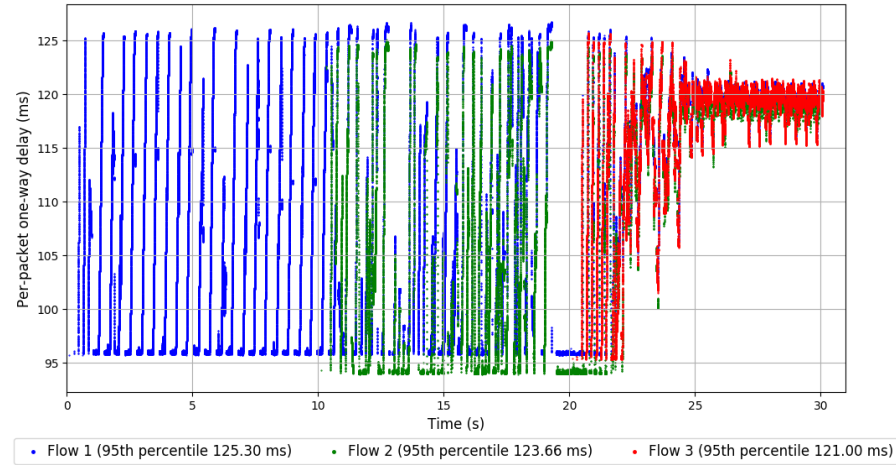
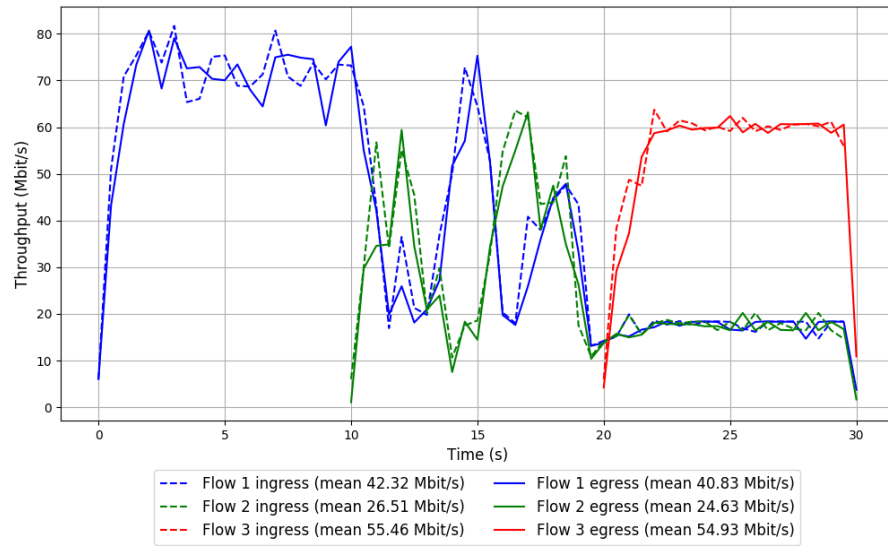


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-05 00:49:24
End at: 2018-02-05 00:49:54
Local clock offset: -0.123 ms
Remote clock offset: -2.743 ms

Below is generated by plot.py at 2018-02-05 01:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.42 Mbit/s
95th percentile per-packet one-way delay: 124.137 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 125.300 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 123.664 ms
Loss rate: 6.97%
-- Flow 3:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 121.005 ms
Loss rate: 0.73%

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

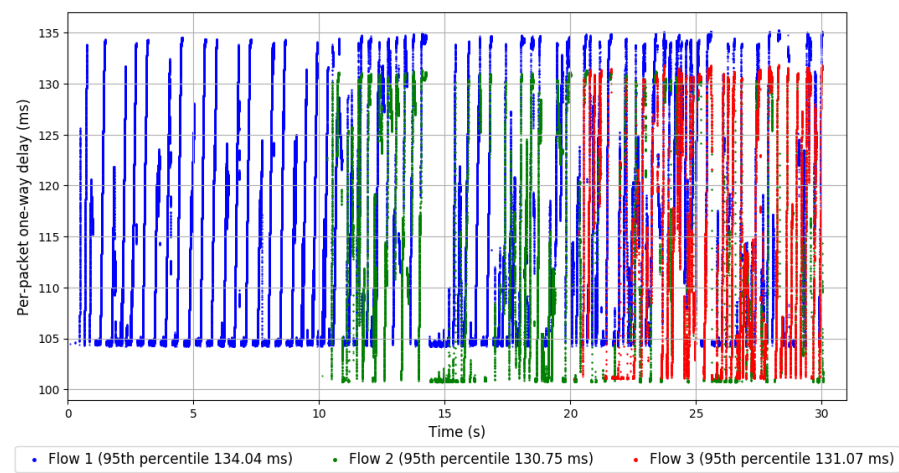
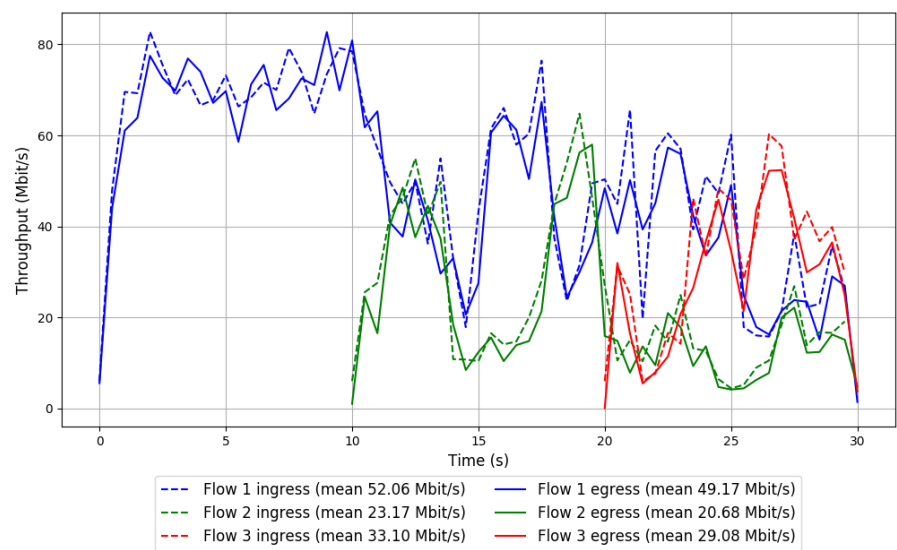


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-05 01:13:16
End at: 2018-02-05 01:13:46
Local clock offset: -0.137 ms
Remote clock offset: 2.826 ms

# Below is generated by plot.py at 2018-02-05 01:58:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 133.750 ms
Loss rate: 7.39%
-- Flow 1:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 134.039 ms
Loss rate: 5.45%
-- Flow 2:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 130.750 ms
Loss rate: 10.76%
-- Flow 3:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 131.066 ms
Loss rate: 11.87%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-04 21:39:59

End at: 2018-02-04 21:40:29

Local clock offset: -0.208 ms

Remote clock offset: 3.84 ms

Below is generated by plot.py at 2018-02-05 01:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.86 Mbit/s

95th percentile per-packet one-way delay: 115.795 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 23.21 Mbit/s

95th percentile per-packet one-way delay: 112.458 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 28.78 Mbit/s

95th percentile per-packet one-way delay: 115.421 ms

Loss rate: 0.60%

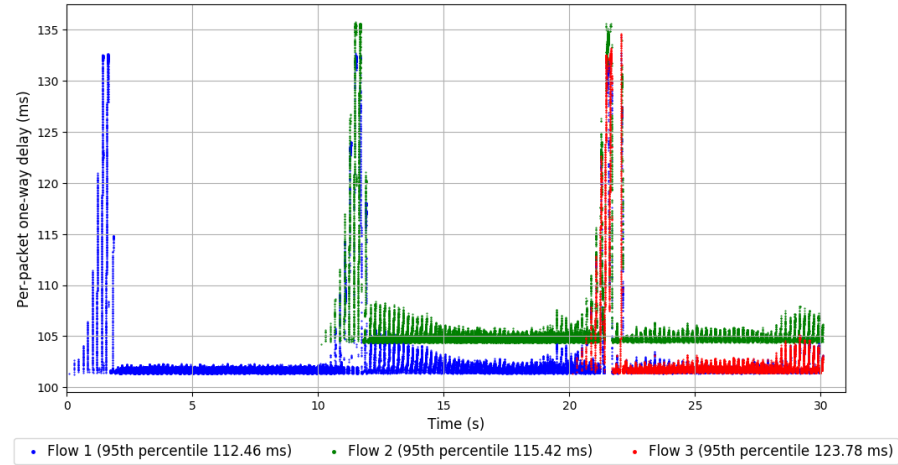
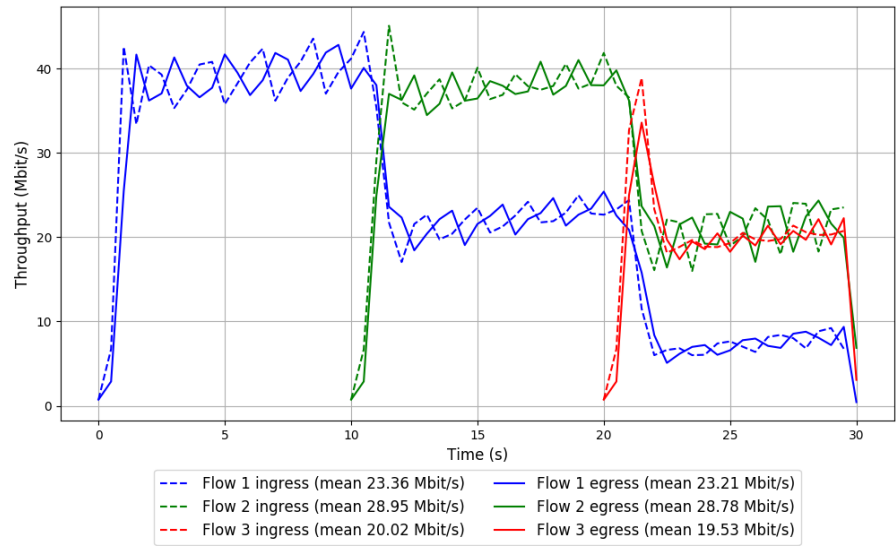
-- Flow 3:

Average throughput: 19.53 Mbit/s

95th percentile per-packet one-way delay: 123.781 ms

Loss rate: 2.46%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-04 22:03:53

End at: 2018-02-04 22:04:23

Local clock offset: -0.211 ms

Remote clock offset: 4.429 ms

Below is generated by plot.py at 2018-02-05 01:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 110.730 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 28.56 Mbit/s

95th percentile per-packet one-way delay: 107.016 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 28.97 Mbit/s

95th percentile per-packet one-way delay: 115.327 ms

Loss rate: 0.64%

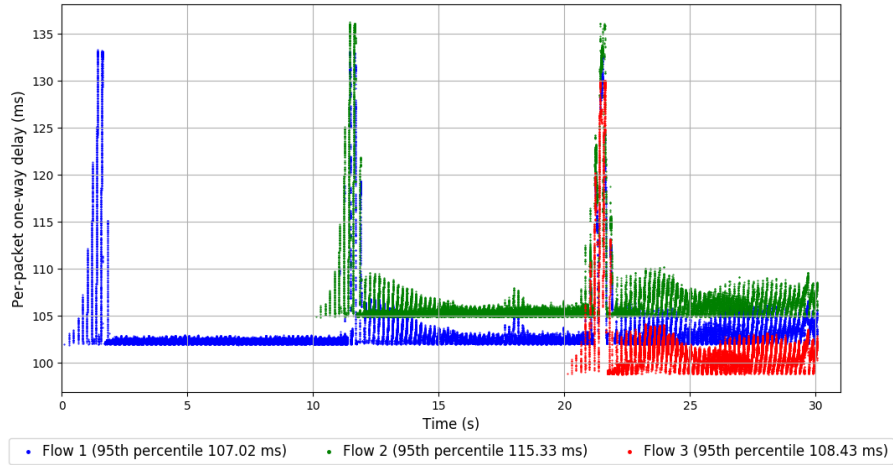
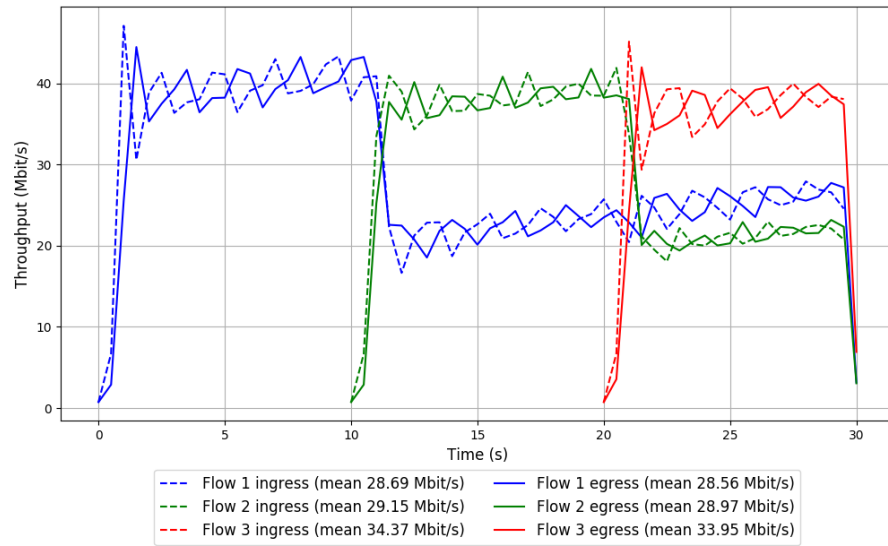
-- Flow 3:

Average throughput: 33.95 Mbit/s

95th percentile per-packet one-way delay: 108.430 ms

Loss rate: 1.22%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-04 22:27:48

End at: 2018-02-04 22:28:18

Local clock offset: -0.176 ms

Remote clock offset: 3.162 ms

Below is generated by plot.py at 2018-02-05 01:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.46 Mbit/s

95th percentile per-packet one-way delay: 114.344 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 111.962 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 16.02 Mbit/s

95th percentile per-packet one-way delay: 119.138 ms

Loss rate: 1.37%

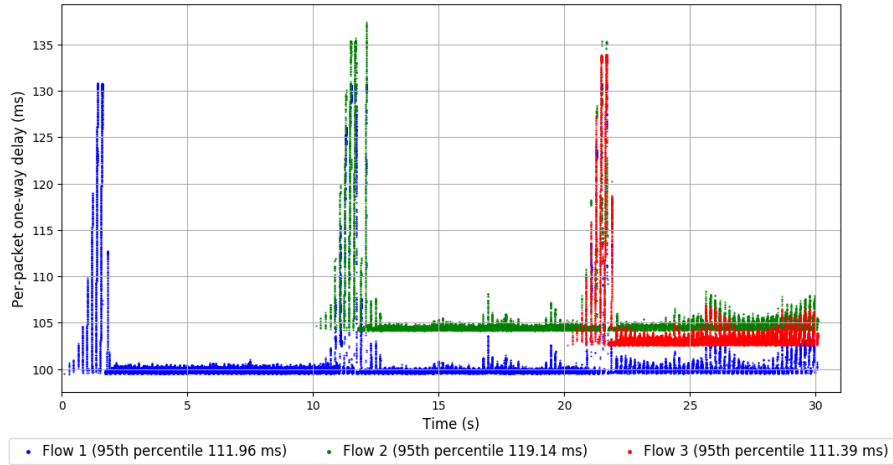
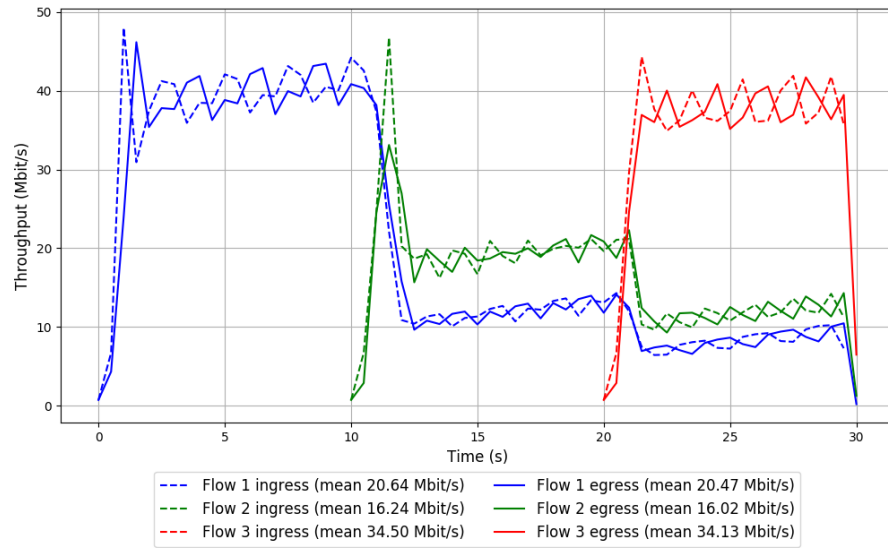
-- Flow 3:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 111.389 ms

Loss rate: 1.07%

Run 3: Report of TCP Vegas — Data Link

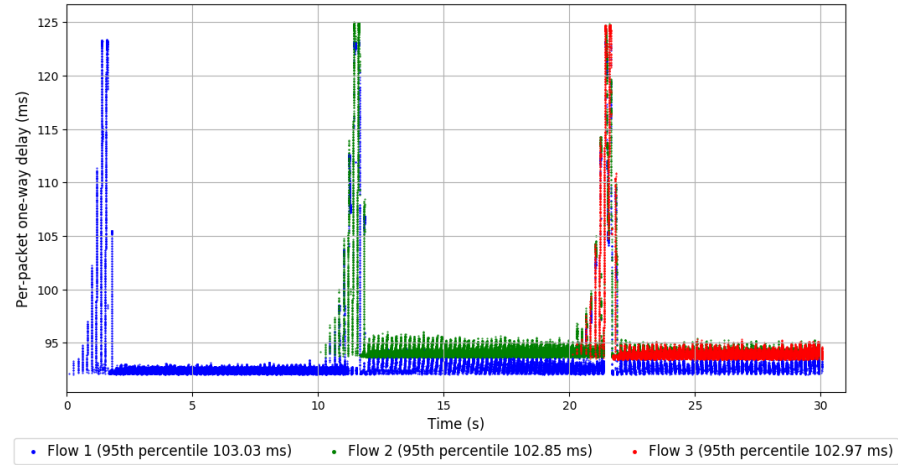
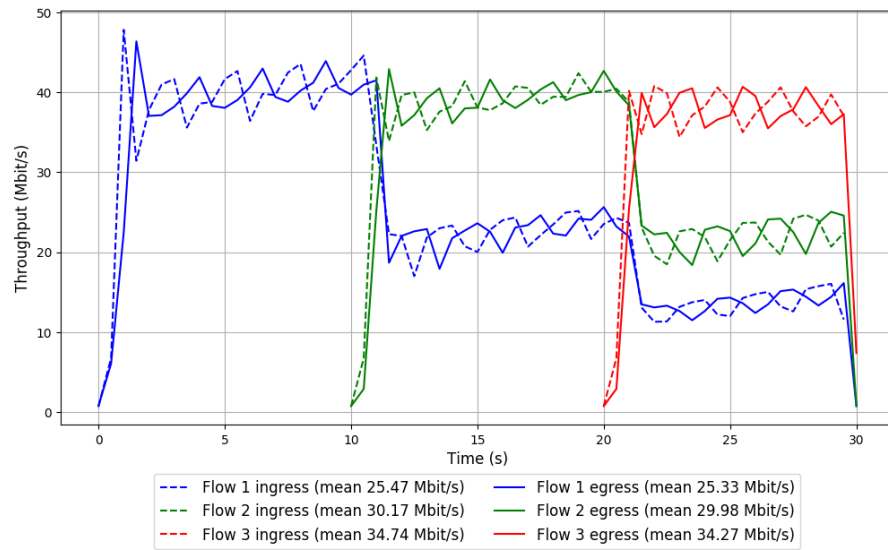


Run 4: Statistics of TCP Vegas

Start at: 2018-02-04 22:51:40
End at: 2018-02-04 22:52:10
Local clock offset: -0.148 ms
Remote clock offset: -2.257 ms

Below is generated by plot.py at 2018-02-05 01:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 102.870 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 103.028 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 102.847 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 102.975 ms
Loss rate: 1.35%

Run 4: Report of TCP Vegas — Data Link

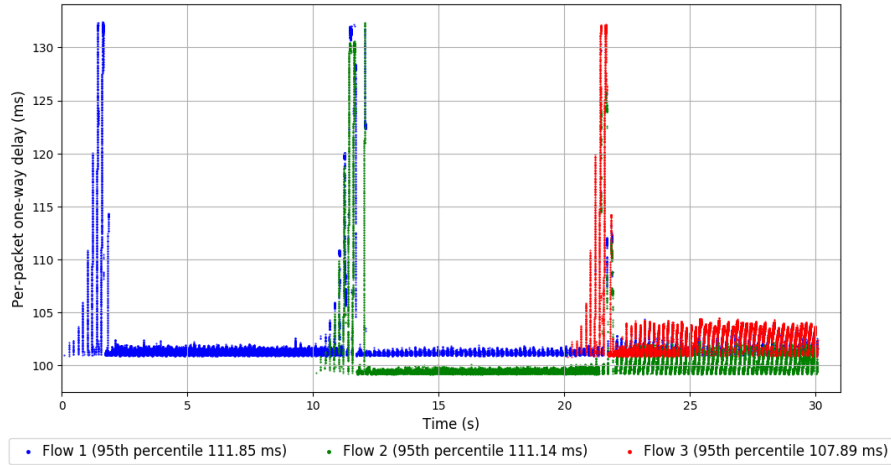
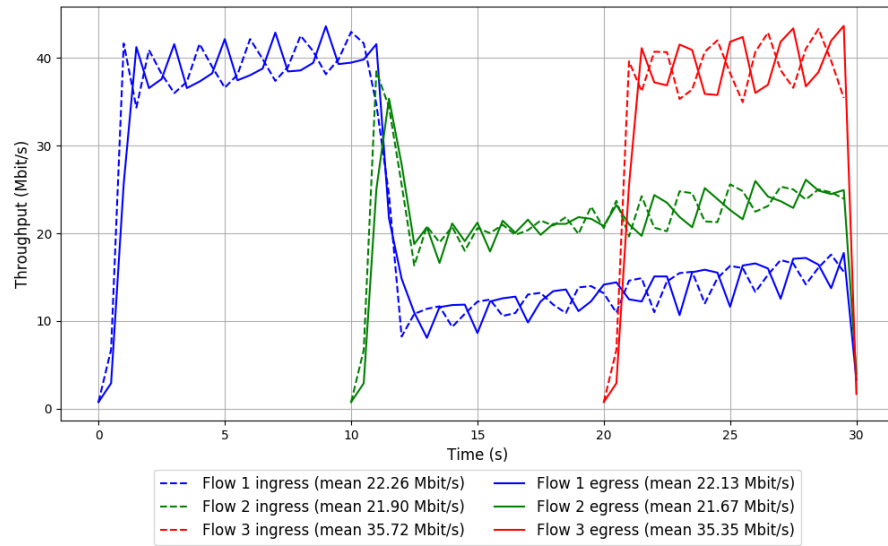


Run 5: Statistics of TCP Vegas

Start at: 2018-02-04 23:15:30
End at: 2018-02-04 23:16:00
Local clock offset: -0.165 ms
Remote clock offset: 4.13 ms

Below is generated by plot.py at 2018-02-05 01:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 111.075 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: 111.847 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 111.138 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 35.35 Mbit/s
95th percentile per-packet one-way delay: 107.885 ms
Loss rate: 1.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-04 23:39:15

End at: 2018-02-04 23:39:45

Local clock offset: -0.134 ms

Remote clock offset: 3.612 ms

Below is generated by plot.py at 2018-02-05 01:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.98 Mbit/s

95th percentile per-packet one-way delay: 118.125 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 20.25 Mbit/s

95th percentile per-packet one-way delay: 113.156 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 19.86 Mbit/s

95th percentile per-packet one-way delay: 124.542 ms

Loss rate: 1.32%

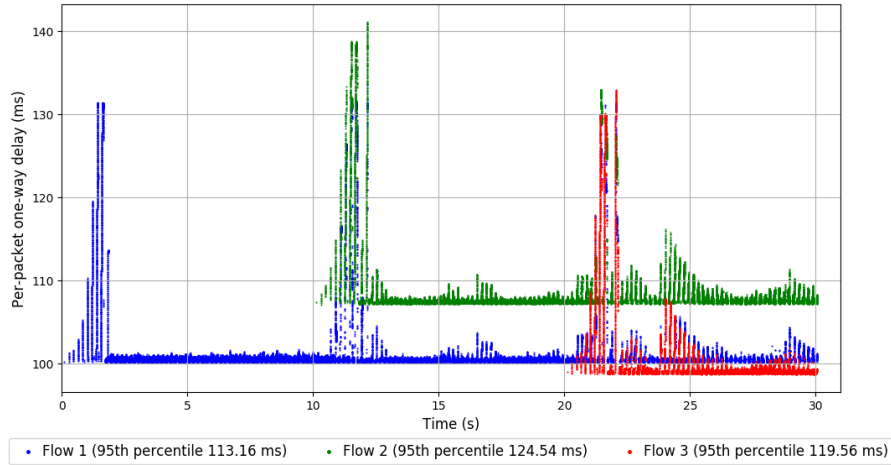
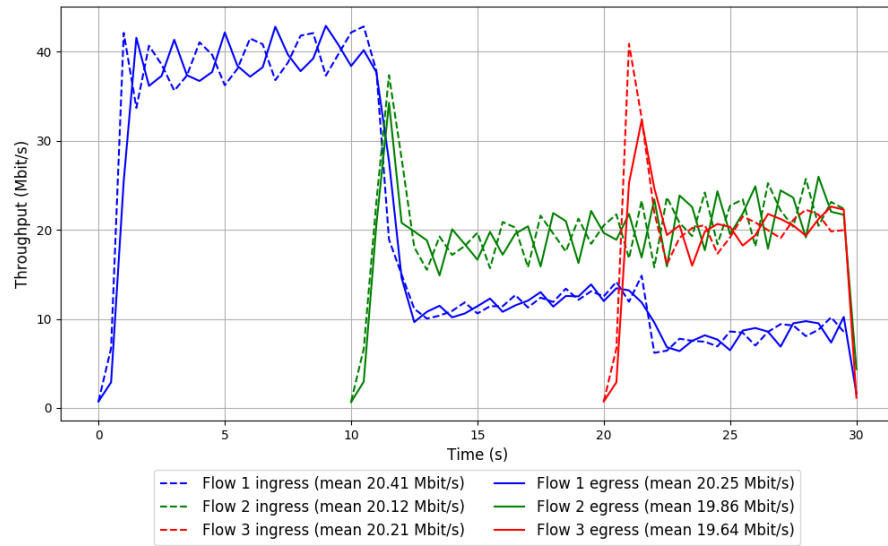
-- Flow 3:

Average throughput: 19.64 Mbit/s

95th percentile per-packet one-way delay: 119.557 ms

Loss rate: 2.80%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-05 00:03:08

End at: 2018-02-05 00:03:38

Local clock offset: -0.122 ms

Remote clock offset: 4.775 ms

Below is generated by plot.py at 2018-02-05 01:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 112.682 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 24.16 Mbit/s

95th percentile per-packet one-way delay: 112.636 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 113.683 ms

Loss rate: 0.64%

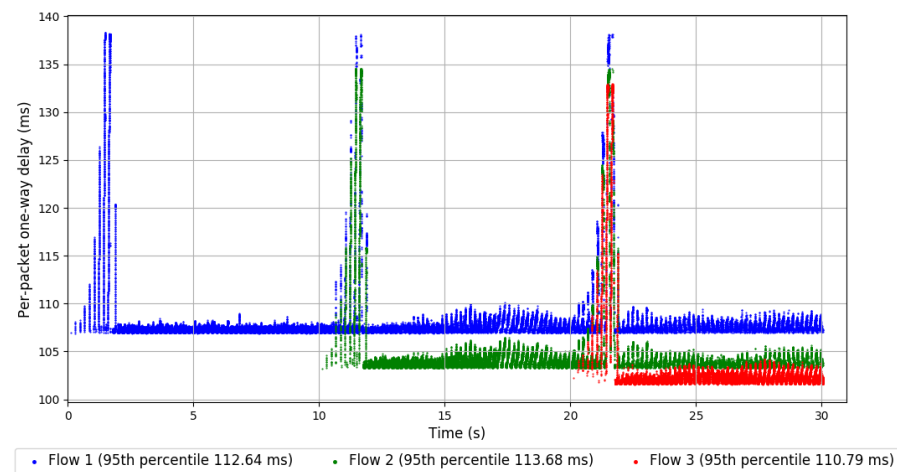
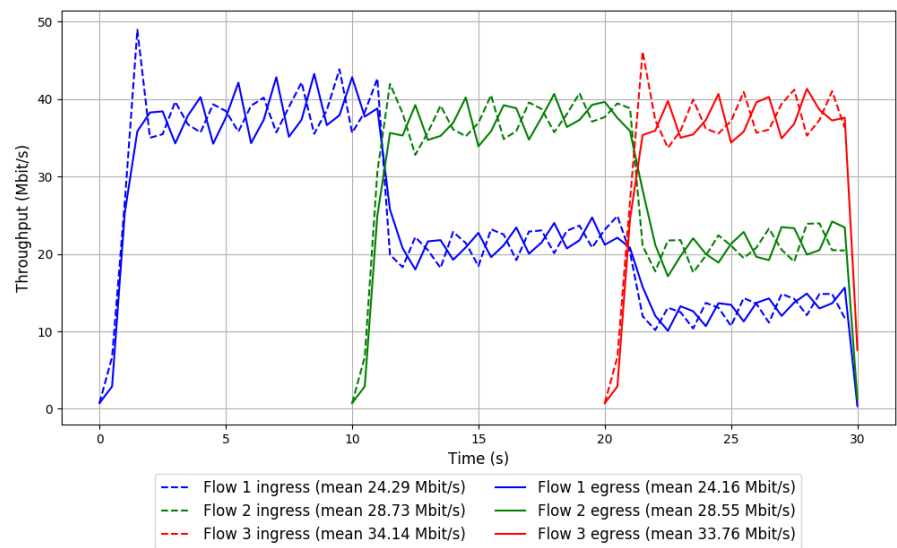
-- Flow 3:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 110.788 ms

Loss rate: 1.11%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-05 00:26:58

End at: 2018-02-05 00:27:28

Local clock offset: -0.123 ms

Remote clock offset: 3.373 ms

Below is generated by plot.py at 2018-02-05 01:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.36 Mbit/s

95th percentile per-packet one-way delay: 113.801 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 23.81 Mbit/s

95th percentile per-packet one-way delay: 114.429 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 27.50 Mbit/s

95th percentile per-packet one-way delay: 115.314 ms

Loss rate: 0.72%

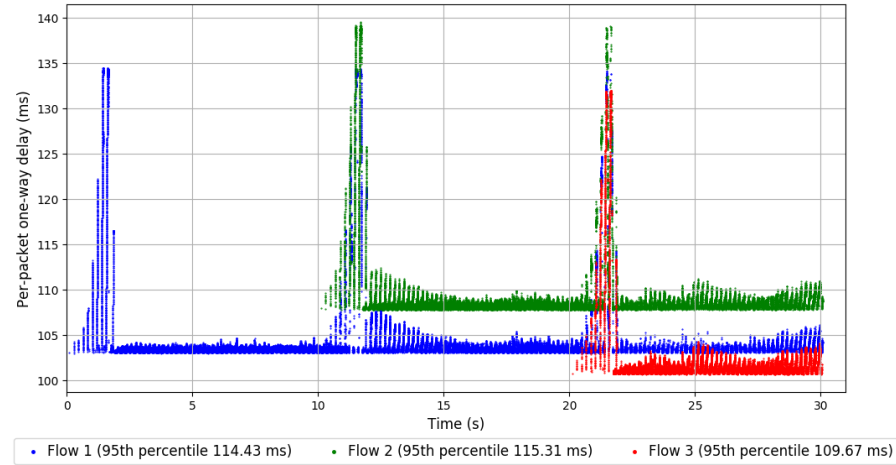
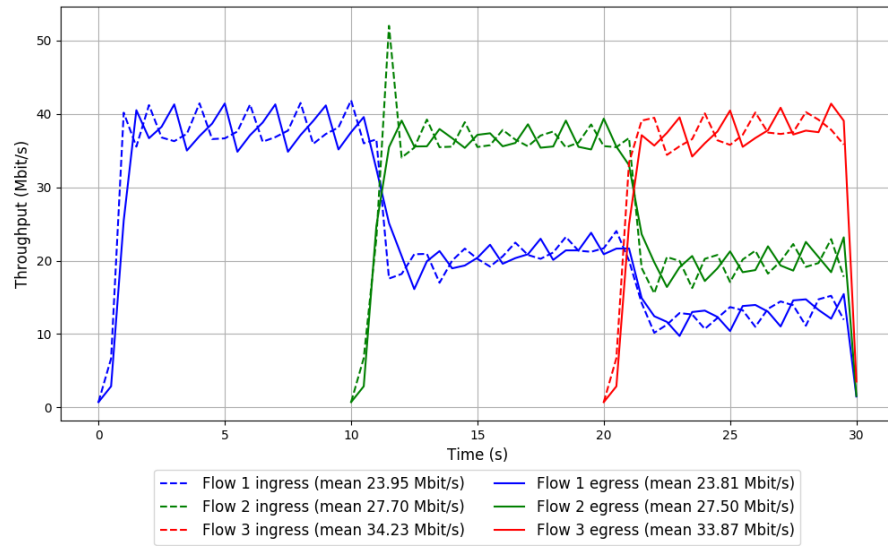
-- Flow 3:

Average throughput: 33.87 Mbit/s

95th percentile per-packet one-way delay: 109.671 ms

Loss rate: 1.05%

Run 8: Report of TCP Vegas — Data Link

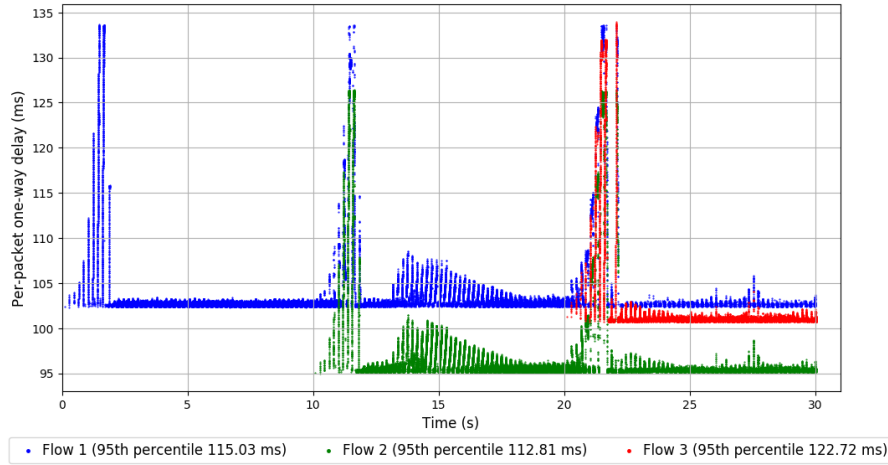
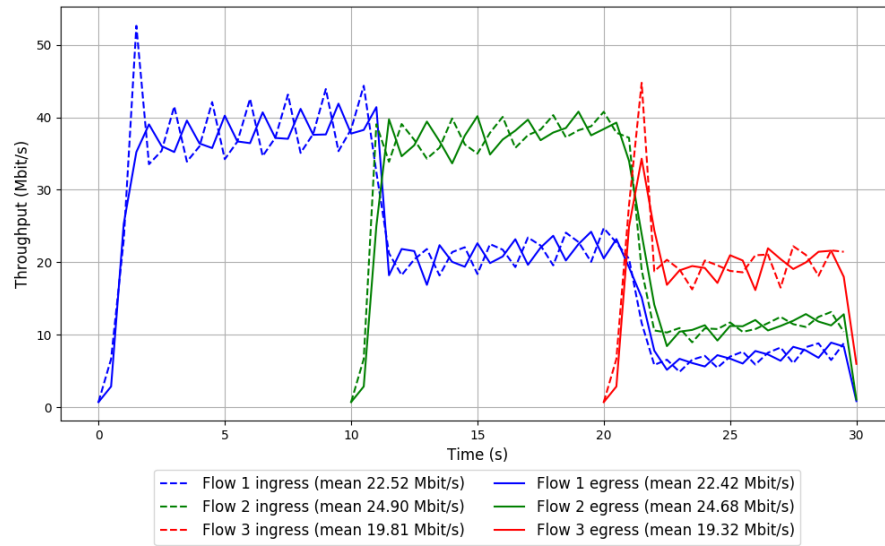


Run 9: Statistics of TCP Vegas

Start at: 2018-02-05 00:50:46
End at: 2018-02-05 00:51:16
Local clock offset: -0.166 ms
Remote clock offset: -2.831 ms

Below is generated by plot.py at 2018-02-05 01:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 115.491 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 115.034 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 112.806 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 19.32 Mbit/s
95th percentile per-packet one-way delay: 122.724 ms
Loss rate: 2.52%

Run 9: Report of TCP Vegas — Data Link

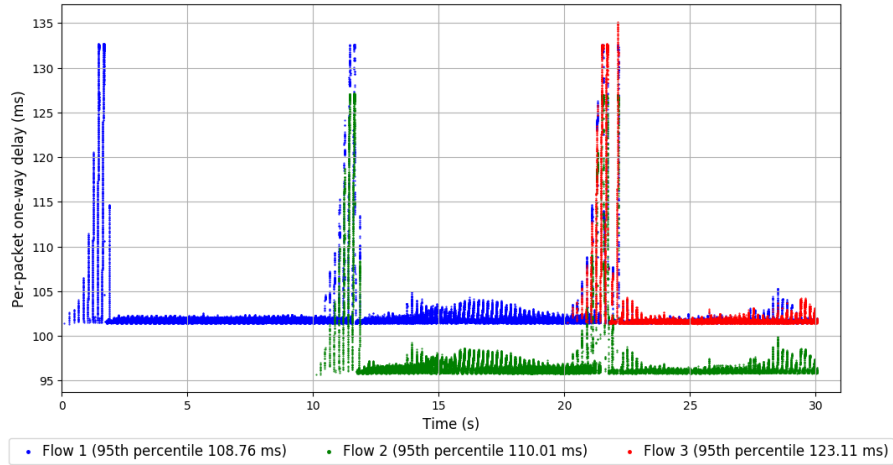
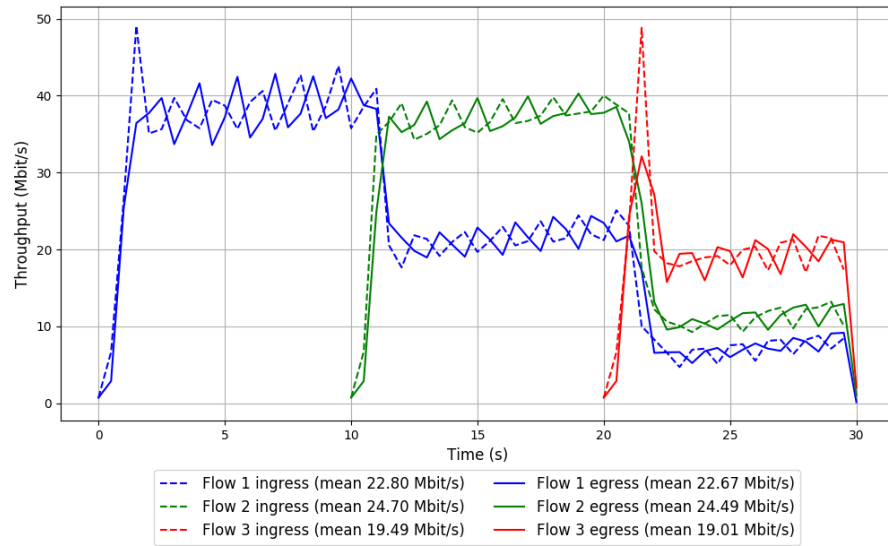


Run 10: Statistics of TCP Vegas

Start at: 2018-02-05 01:14:38
End at: 2018-02-05 01:15:08
Local clock offset: -0.11 ms
Remote clock offset: -2.016 ms

Below is generated by plot.py at 2018-02-05 01:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 111.652 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 108.756 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 110.012 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 19.01 Mbit/s
95th percentile per-packet one-way delay: 123.112 ms
Loss rate: 2.49%

Run 10: Report of TCP Vegas — Data Link

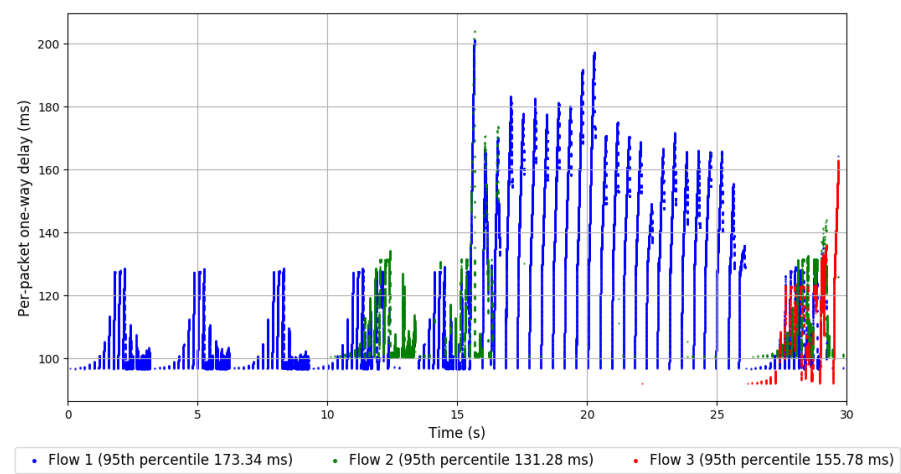
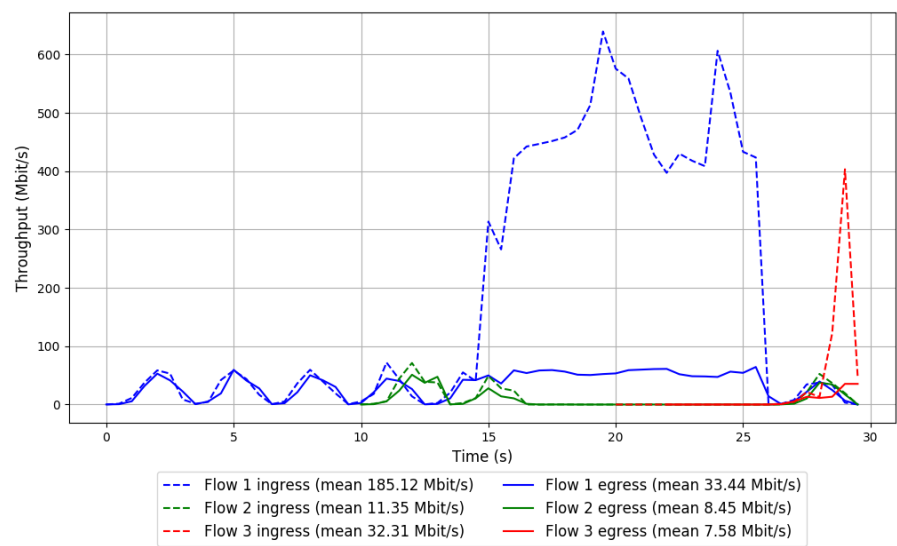


Run 1: Statistics of Verus

Start at: 2018-02-04 21:28:02
End at: 2018-02-04 21:28:32
Local clock offset: -0.166 ms
Remote clock offset: -1.721 ms

Below is generated by plot.py at 2018-02-05 01:59:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 171.014 ms
Loss rate: 79.81%
-- Flow 1:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 173.340 ms
Loss rate: 81.93%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 131.280 ms
Loss rate: 25.52%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 155.781 ms
Loss rate: 81.29%

Run 1: Report of Verus — Data Link

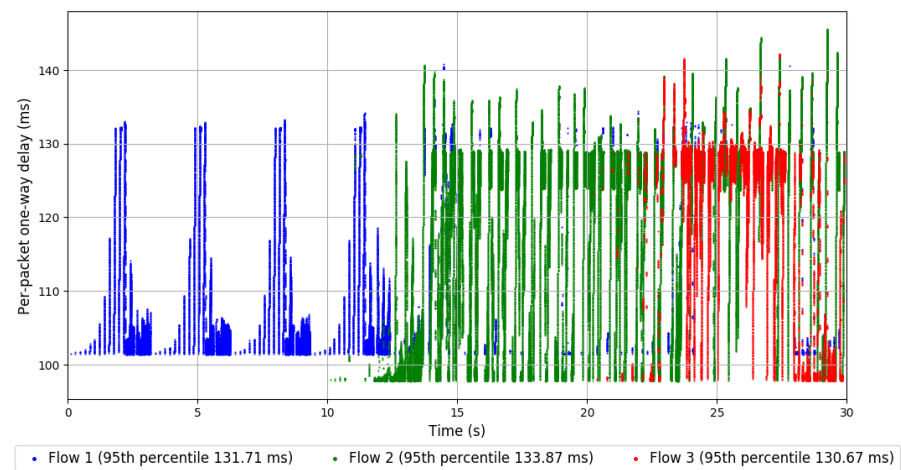
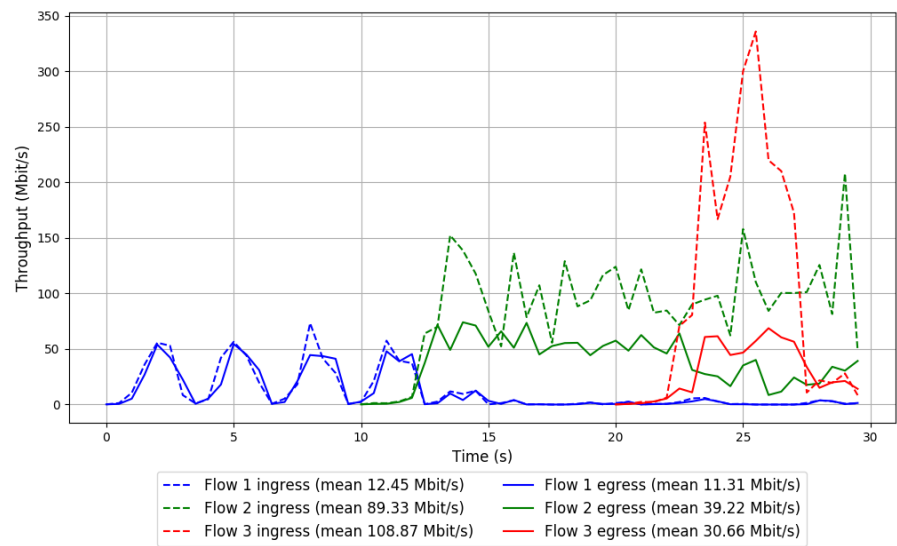


Run 2: Statistics of Verus

Start at: 2018-02-04 21:51:56
End at: 2018-02-04 21:52:26
Local clock offset: -0.138 ms
Remote clock offset: -1.198 ms

Below is generated by plot.py at 2018-02-05 01:59:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 132.103 ms
Loss rate: 55.85%
-- Flow 1:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 131.712 ms
Loss rate: 9.11%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 133.865 ms
Loss rate: 56.02%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 130.666 ms
Loss rate: 71.83%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-04 22:15:52

End at: 2018-02-04 22:16:22

Local clock offset: -0.141 ms

Remote clock offset: 3.392 ms

Below is generated by plot.py at 2018-02-05 01:59:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.05 Mbit/s

95th percentile per-packet one-way delay: 145.199 ms

Loss rate: 52.31%

-- Flow 1:

Average throughput: 27.22 Mbit/s

95th percentile per-packet one-way delay: 170.064 ms

Loss rate: 61.48%

-- Flow 2:

Average throughput: 26.14 Mbit/s

95th percentile per-packet one-way delay: 130.400 ms

Loss rate: 33.27%

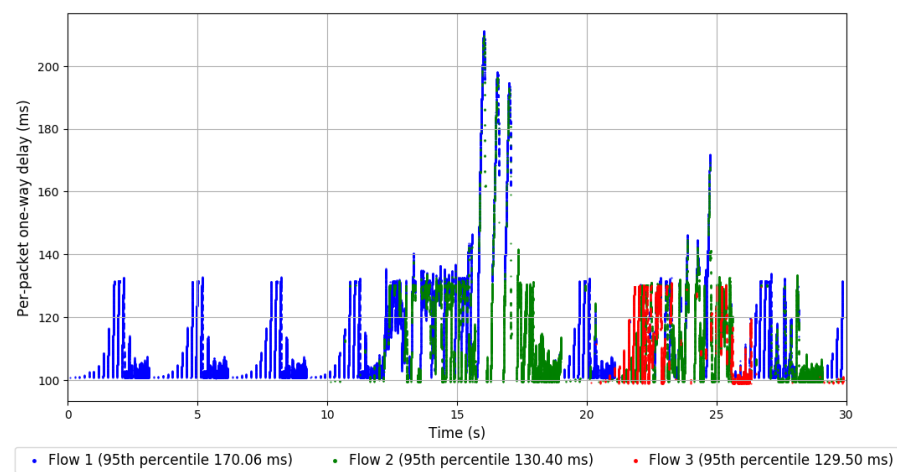
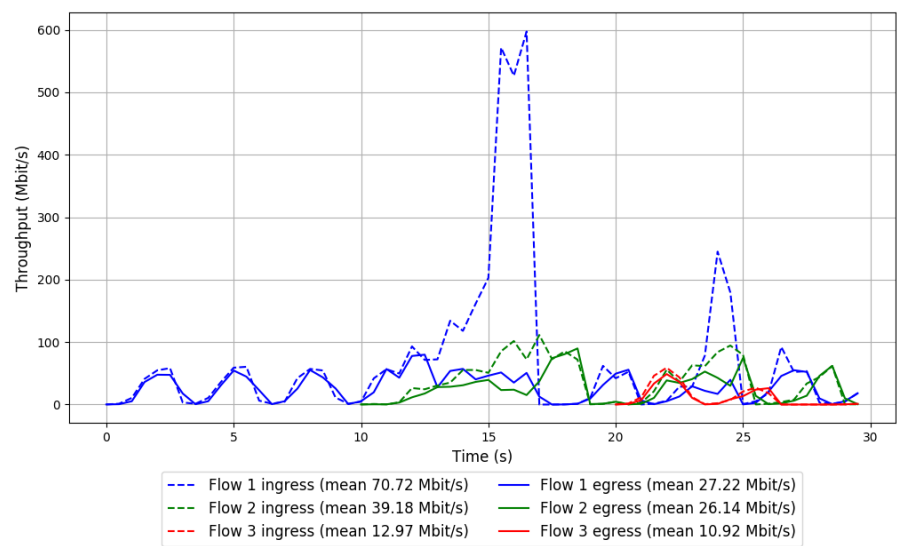
-- Flow 3:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 129.505 ms

Loss rate: 15.84%

Run 3: Report of Verus — Data Link

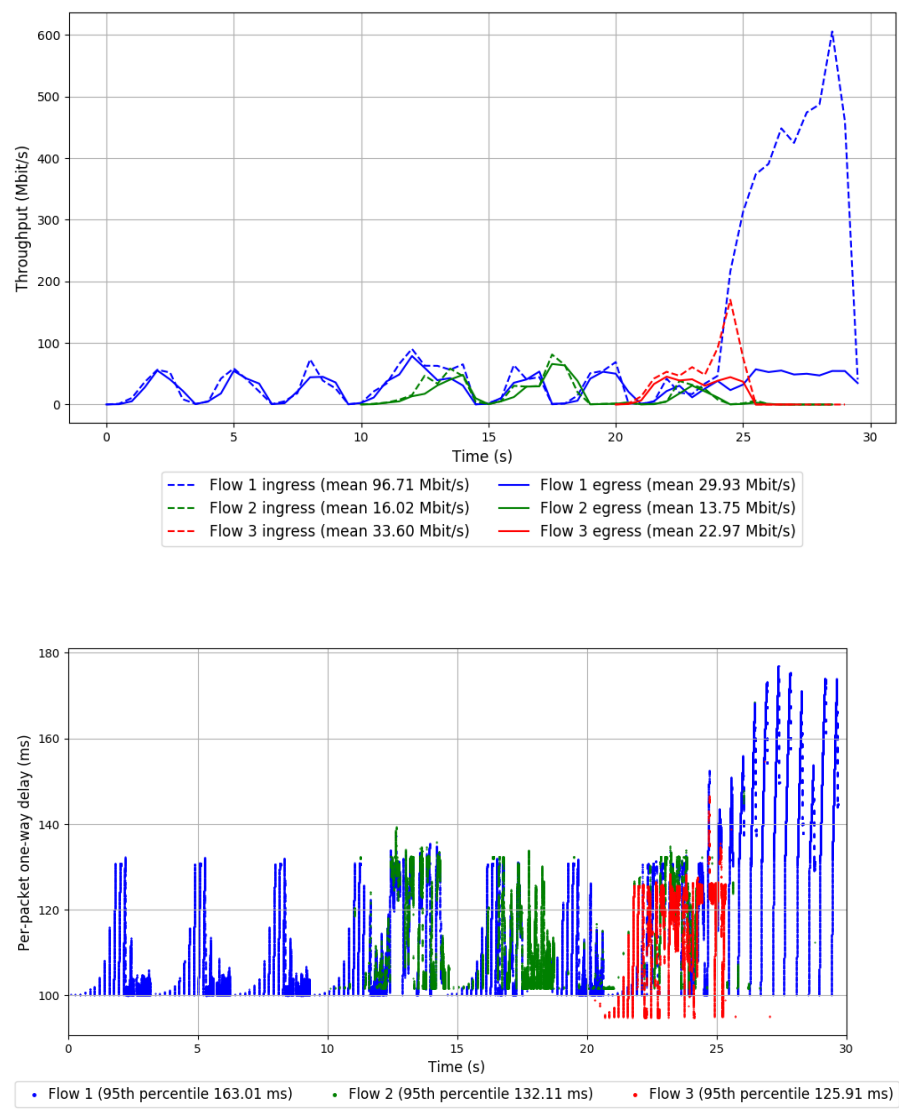


Run 4: Statistics of Verus

Start at: 2018-02-04 22:39:43
End at: 2018-02-04 22:40:13
Local clock offset: -0.135 ms
Remote clock offset: -1.704 ms

Below is generated by plot.py at 2018-02-05 01:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 157.468 ms
Loss rate: 62.42%
-- Flow 1:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 163.007 ms
Loss rate: 69.01%
-- Flow 2:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 132.114 ms
Loss rate: 14.97%
-- Flow 3:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 125.911 ms
Loss rate: 47.53%

Run 4: Report of Verus — Data Link

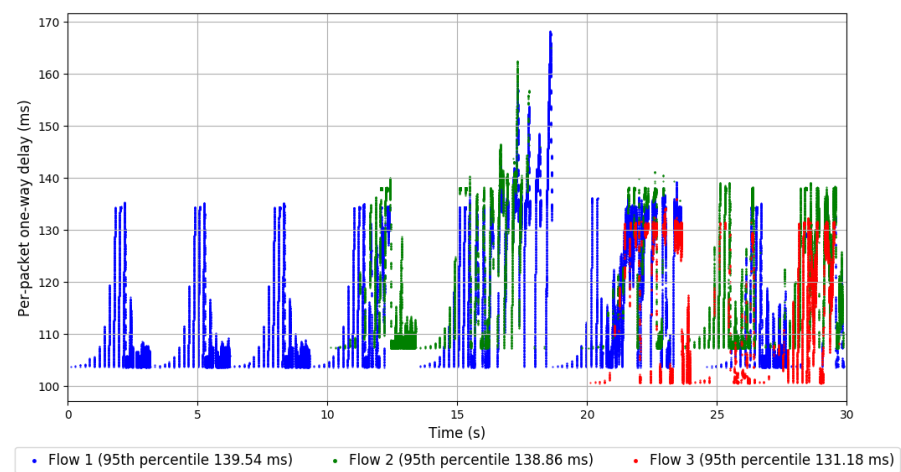
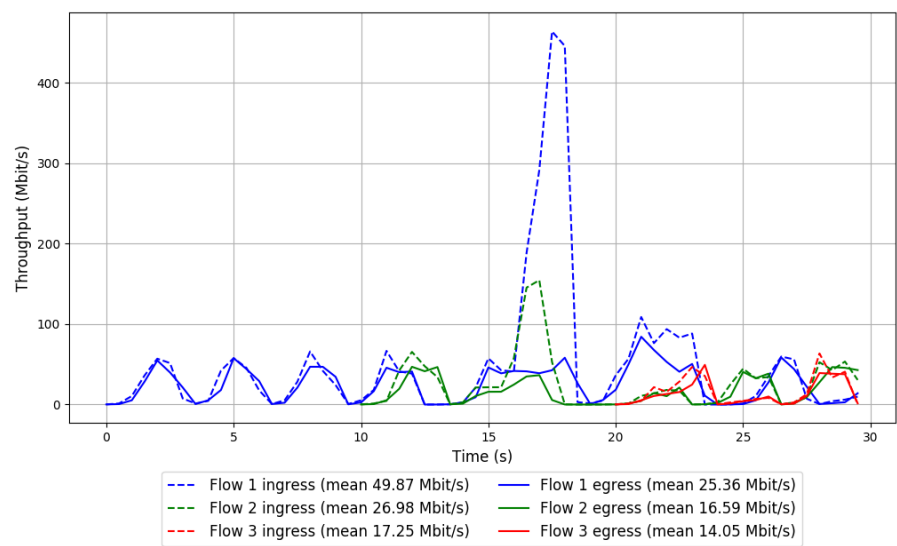


Run 5: Statistics of Verus

Start at: 2018-02-04 23:03:37
End at: 2018-02-04 23:04:07
Local clock offset: -0.254 ms
Remote clock offset: 4.871 ms

Below is generated by plot.py at 2018-02-05 01:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 138.435 ms
Loss rate: 44.23%
-- Flow 1:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 139.539 ms
Loss rate: 49.14%
-- Flow 2:
Average throughput: 16.59 Mbit/s
95th percentile per-packet one-way delay: 138.858 ms
Loss rate: 38.50%
-- Flow 3:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 131.181 ms
Loss rate: 18.51%

Run 5: Report of Verus — Data Link

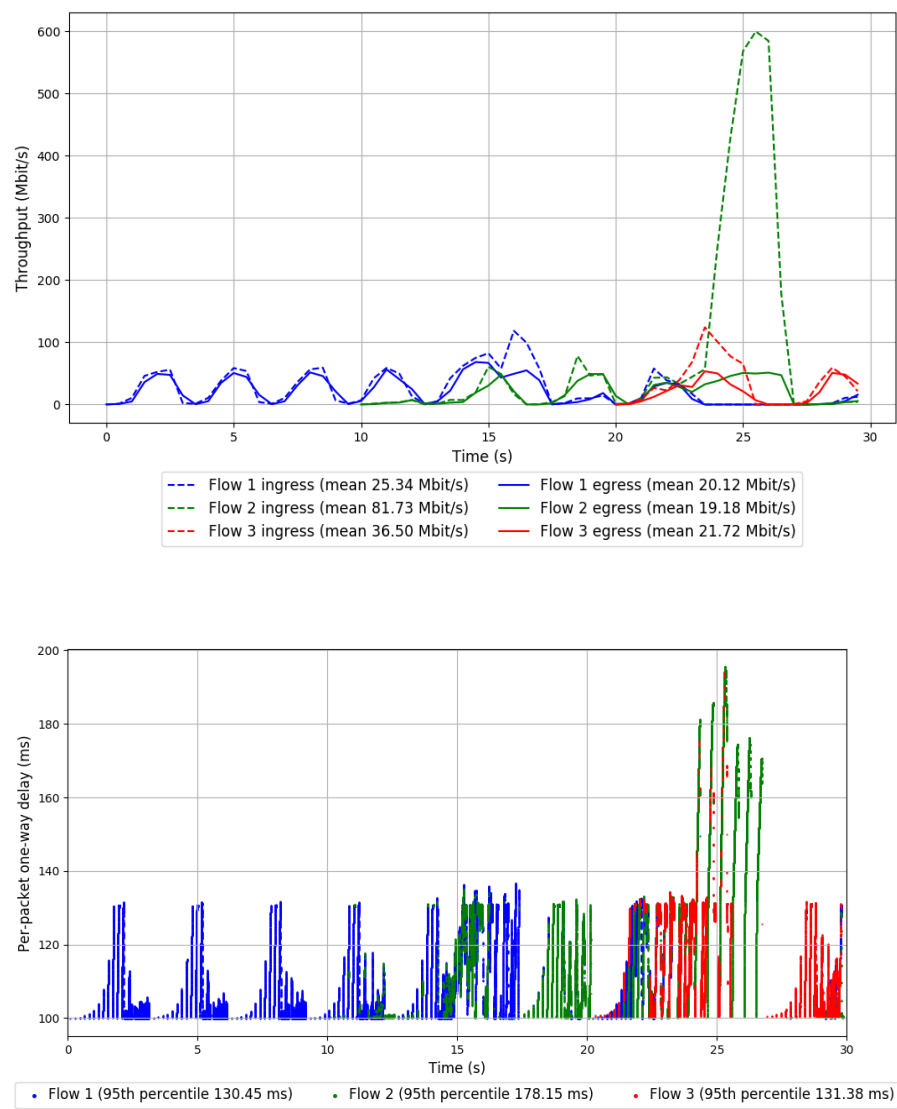


Run 6: Statistics of Verus

Start at: 2018-02-04 23:27:24
End at: 2018-02-04 23:27:54
Local clock offset: -0.143 ms
Remote clock offset: 3.419 ms

Below is generated by plot.py at 2018-02-05 01:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 163.204 ms
Loss rate: 56.36%
-- Flow 1:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 130.452 ms
Loss rate: 20.50%
-- Flow 2:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 178.148 ms
Loss rate: 76.53%
-- Flow 3:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 131.385 ms
Loss rate: 40.41%

Run 6: Report of Verus — Data Link

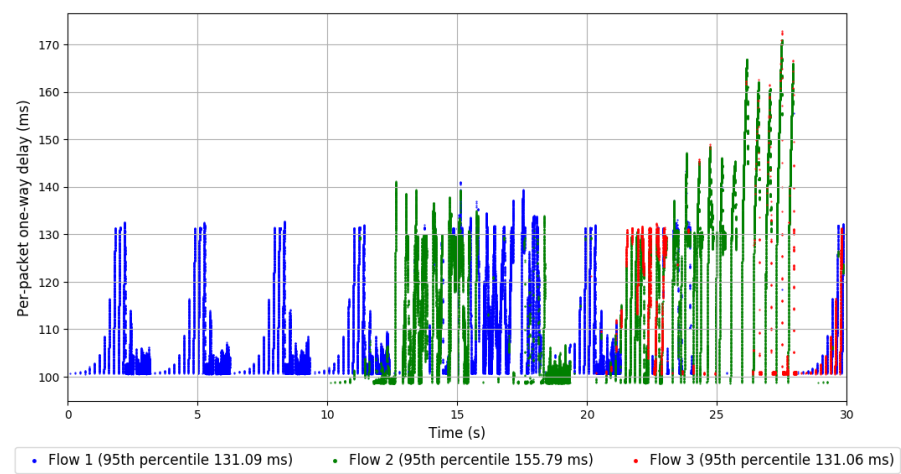
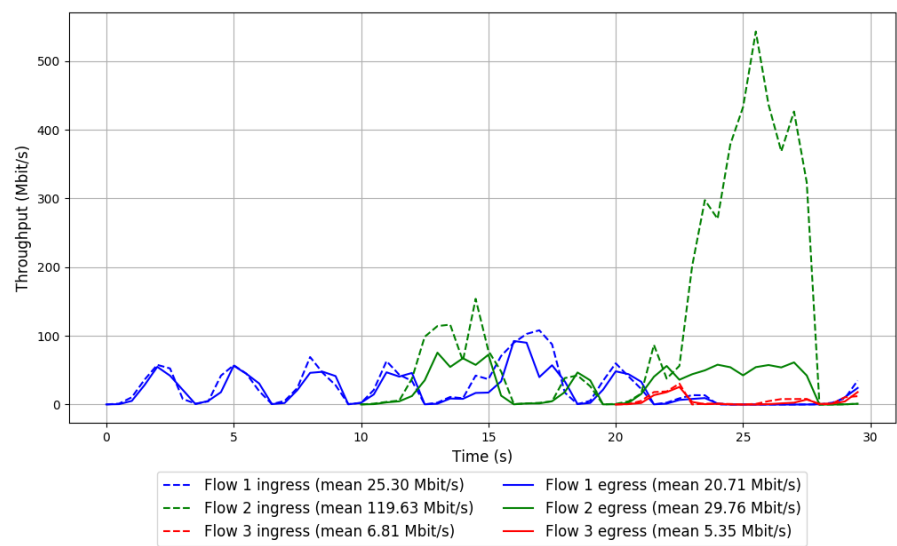


Run 7: Statistics of Verus

Start at: 2018-02-04 23:51:12
End at: 2018-02-04 23:51:42
Local clock offset: -0.168 ms
Remote clock offset: -1.381 ms

Below is generated by plot.py at 2018-02-05 01:59:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 145.314 ms
Loss rate: 60.49%
-- Flow 1:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 131.088 ms
Loss rate: 18.04%
-- Flow 2:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 155.789 ms
Loss rate: 75.09%
-- Flow 3:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 131.060 ms
Loss rate: 21.46%

Run 7: Report of Verus — Data Link

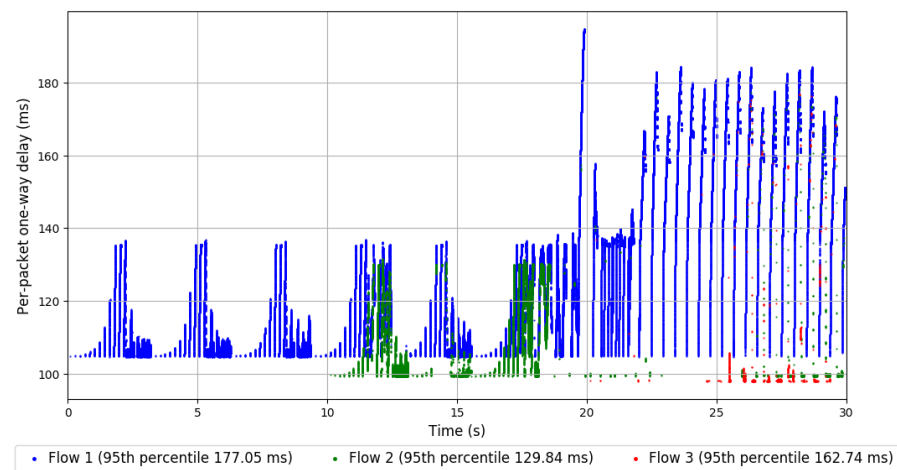
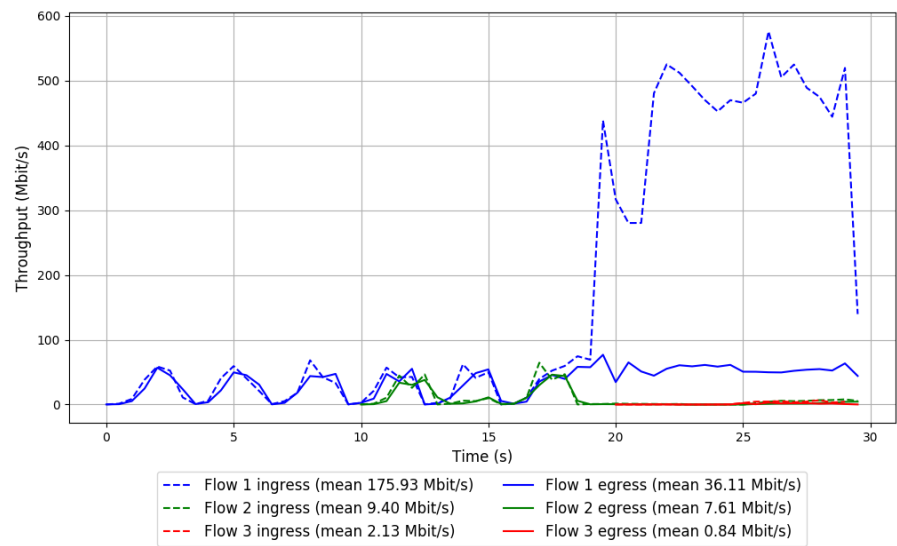


Run 8: Statistics of Verus

Start at: 2018-02-05 00:15:03
End at: 2018-02-05 00:15:33
Local clock offset: -0.128 ms
Remote clock offset: 3.678 ms

Below is generated by plot.py at 2018-02-05 02:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 176.043 ms
Loss rate: 77.31%
-- Flow 1:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 177.054 ms
Loss rate: 79.45%
-- Flow 2:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 129.837 ms
Loss rate: 19.01%
-- Flow 3:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 162.737 ms
Loss rate: 60.15%

Run 8: Report of Verus — Data Link

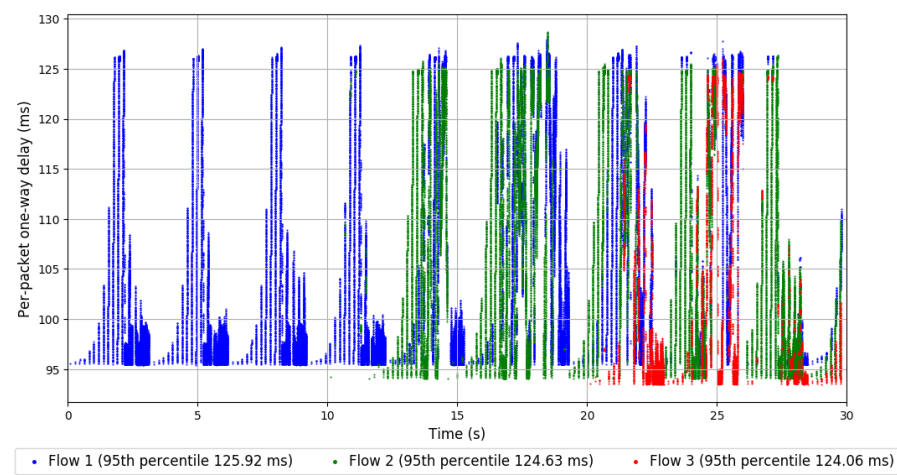
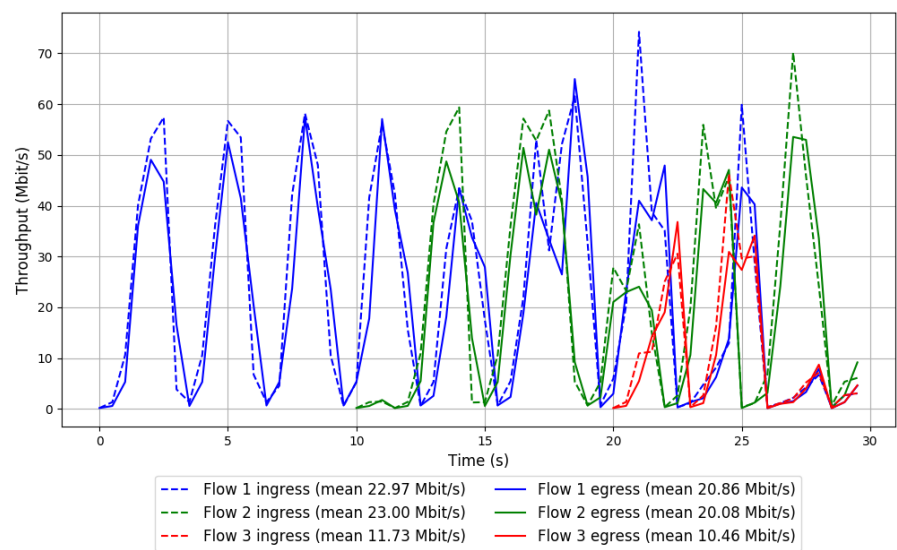


Run 9: Statistics of Verus

Start at: 2018-02-05 00:38:53
End at: 2018-02-05 00:39:23
Local clock offset: -0.165 ms
Remote clock offset: -2.485 ms

Below is generated by plot.py at 2018-02-05 02:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 124.897 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 125.922 ms
Loss rate: 9.12%
-- Flow 2:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 124.628 ms
Loss rate: 12.62%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 124.060 ms
Loss rate: 10.76%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-05 01:02:42

End at: 2018-02-05 01:03:12

Local clock offset: -0.171 ms

Remote clock offset: 3.442 ms

Below is generated by plot.py at 2018-02-05 02:00:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.95 Mbit/s

95th percentile per-packet one-way delay: 139.697 ms

Loss rate: 37.82%

-- Flow 1:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 141.485 ms

Loss rate: 41.48%

-- Flow 2:

Average throughput: 22.57 Mbit/s

95th percentile per-packet one-way delay: 134.128 ms

Loss rate: 33.39%

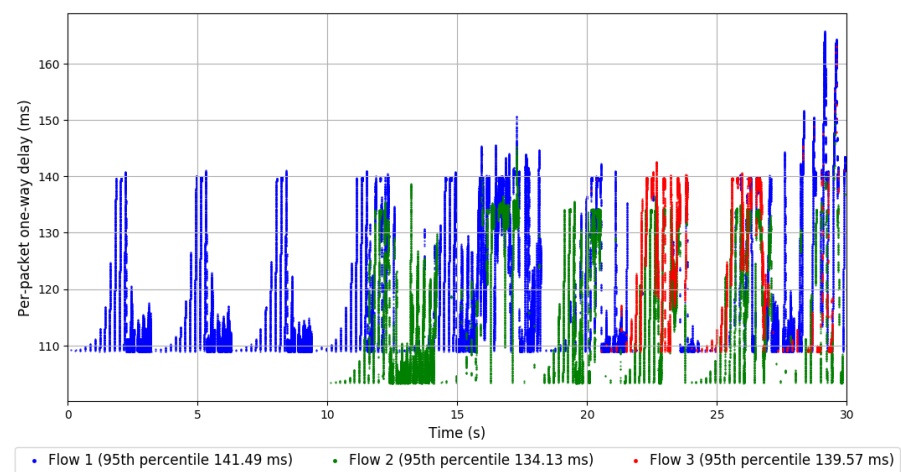
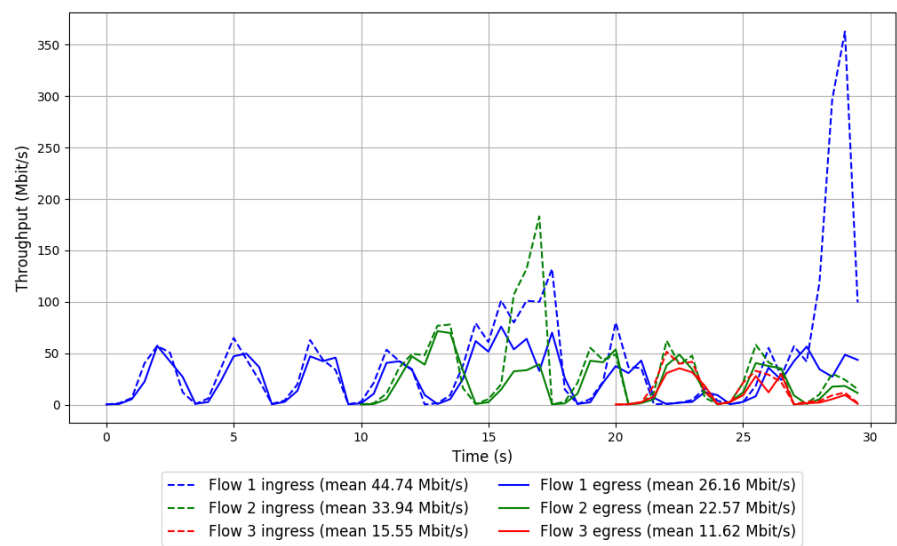
-- Flow 3:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 139.573 ms

Loss rate: 25.28%

Run 10: Report of Verus — Data Link

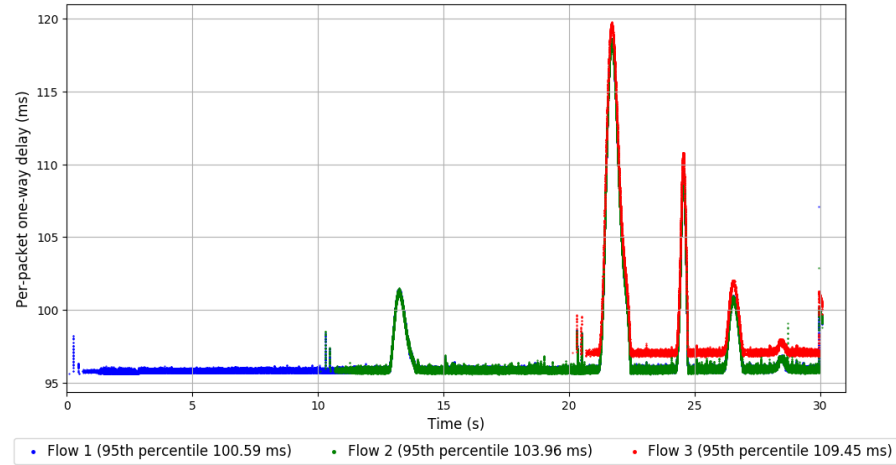
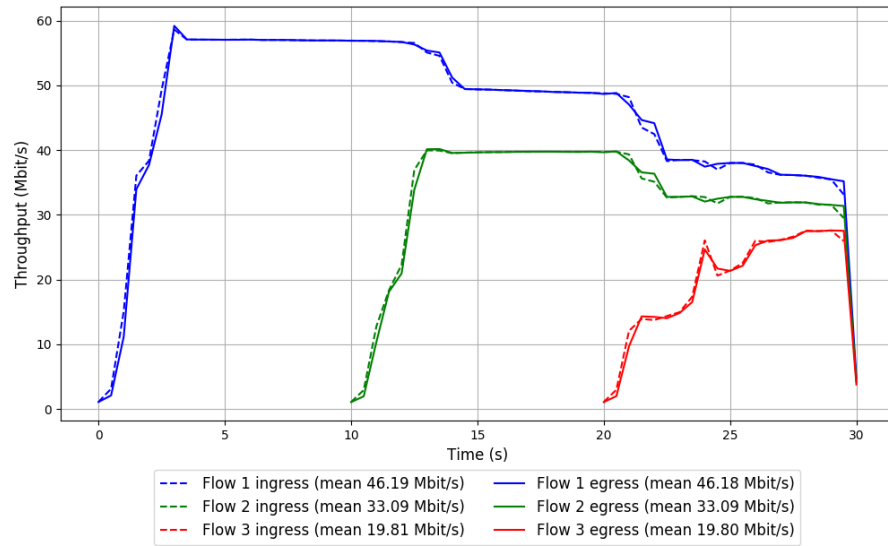


Run 1: Statistics of Copa

Start at: 2018-02-04 21:42:38
End at: 2018-02-04 21:43:08
Local clock offset: -0.134 ms
Remote clock offset: -1.856 ms

Below is generated by plot.py at 2018-02-05 02:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.79 Mbit/s
95th percentile per-packet one-way delay: 101.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 100.587 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 103.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.80 Mbit/s
95th percentile per-packet one-way delay: 109.449 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

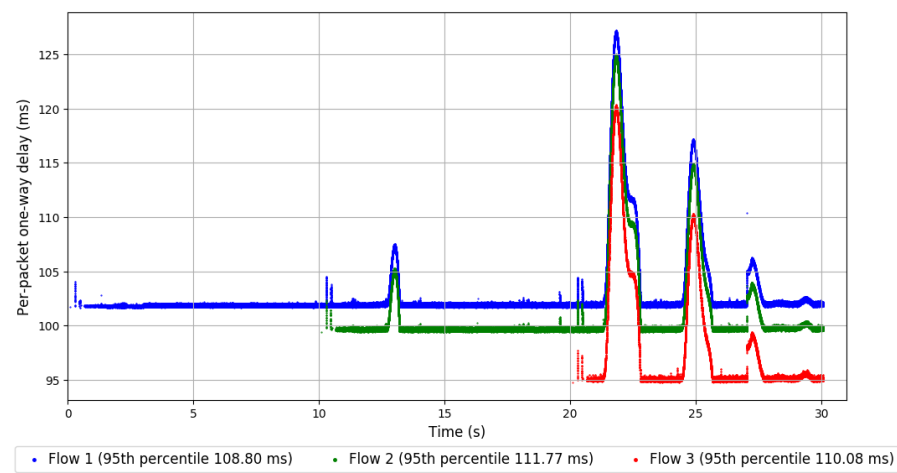
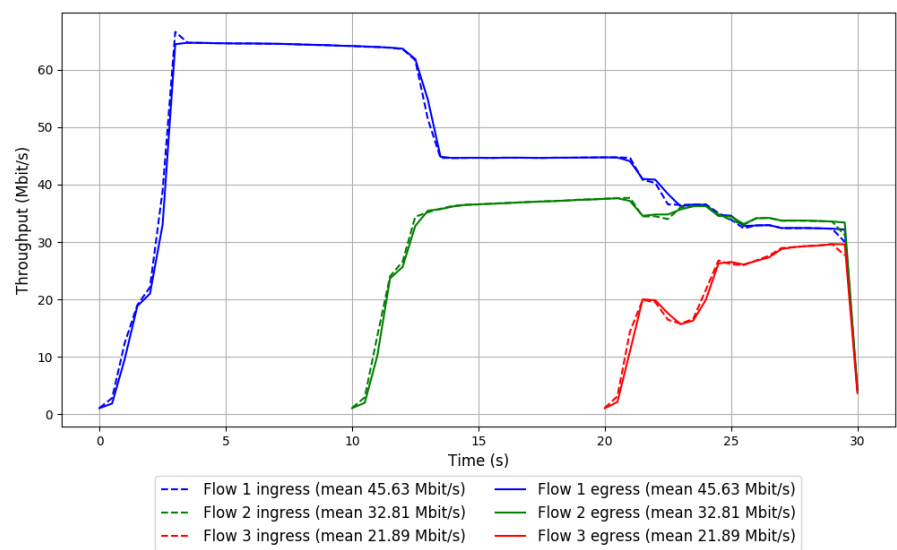


Run 2: Statistics of Copa

Start at: 2018-02-04 22:06:33
End at: 2018-02-04 22:07:03
Local clock offset: -0.152 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-02-05 02:01:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 110.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 108.795 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 110.079 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-04 22:30:26

End at: 2018-02-04 22:30:56

Local clock offset: -0.146 ms

Remote clock offset: 4.073 ms

Below is generated by plot.py at 2018-02-05 02:01:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 113.075 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 48.81 Mbit/s

95th percentile per-packet one-way delay: 111.351 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 35.85 Mbit/s

95th percentile per-packet one-way delay: 113.755 ms

Loss rate: 0.01%

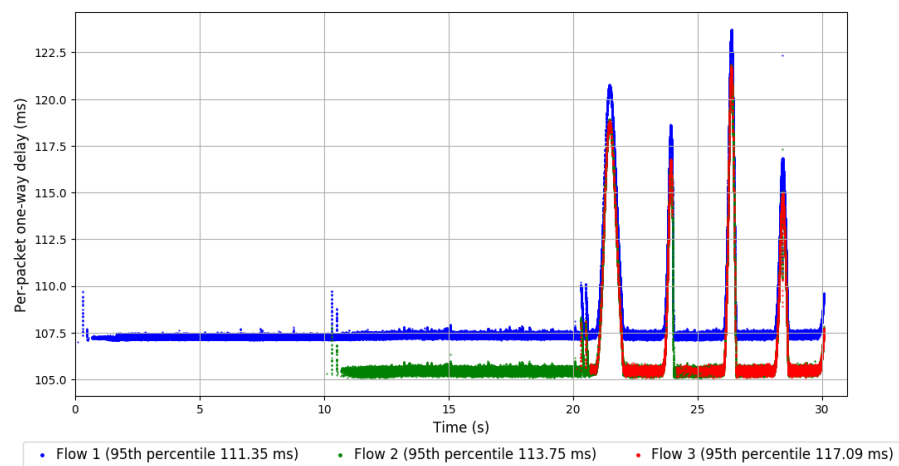
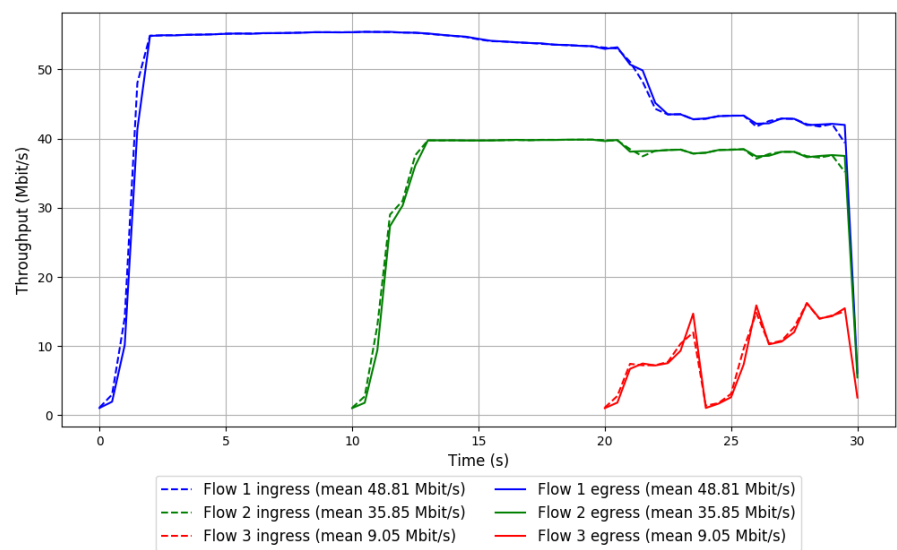
-- Flow 3:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 117.095 ms

Loss rate: 0.04%

Run 3: Report of Copa — Data Link

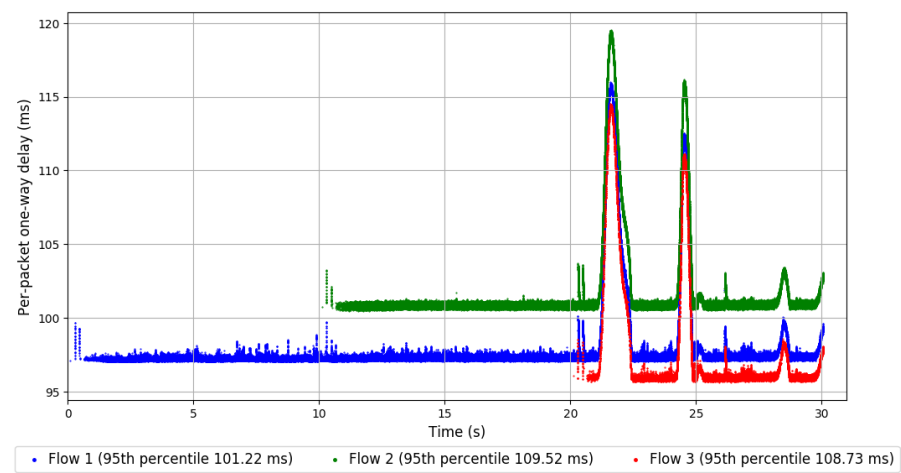
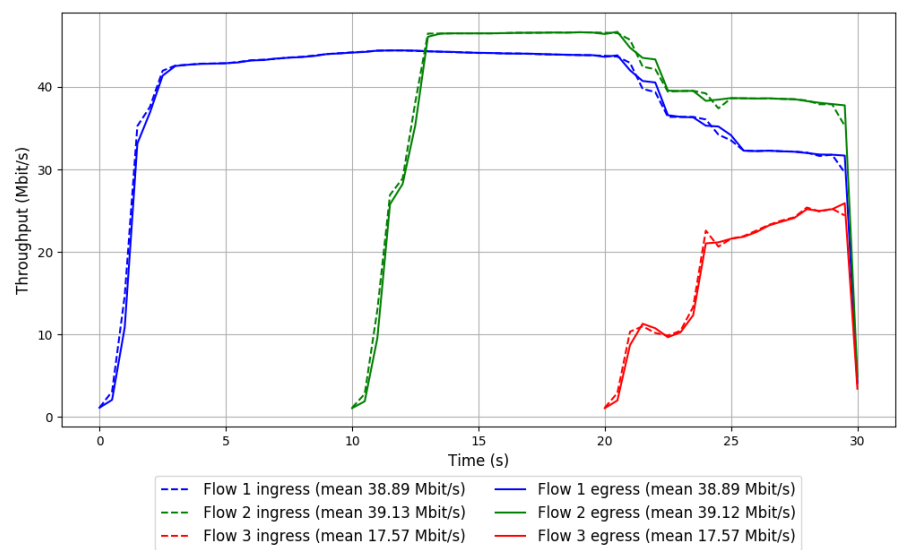


Run 4: Statistics of Copa

Start at: 2018-02-04 22:54:19
End at: 2018-02-04 22:54:49
Local clock offset: -0.228 ms
Remote clock offset: -2.052 ms

Below is generated by plot.py at 2018-02-05 02:01:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.78 Mbit/s
95th percentile per-packet one-way delay: 105.850 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 101.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 109.520 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 17.57 Mbit/s
95th percentile per-packet one-way delay: 108.733 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

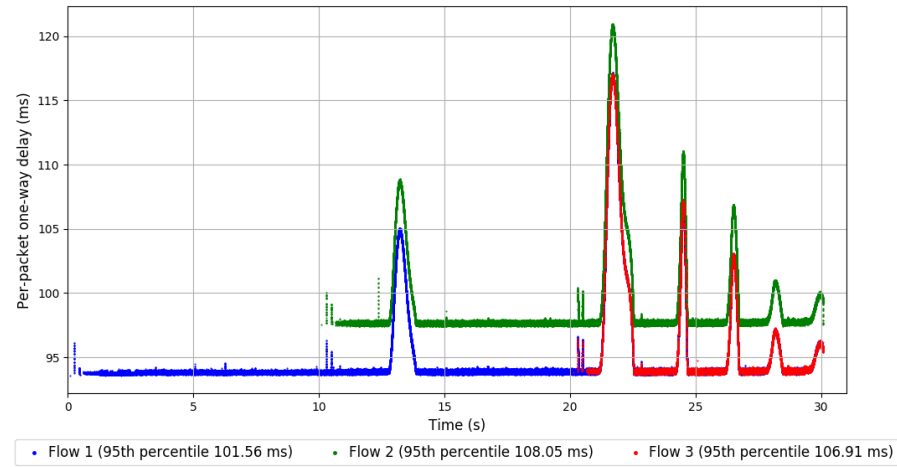
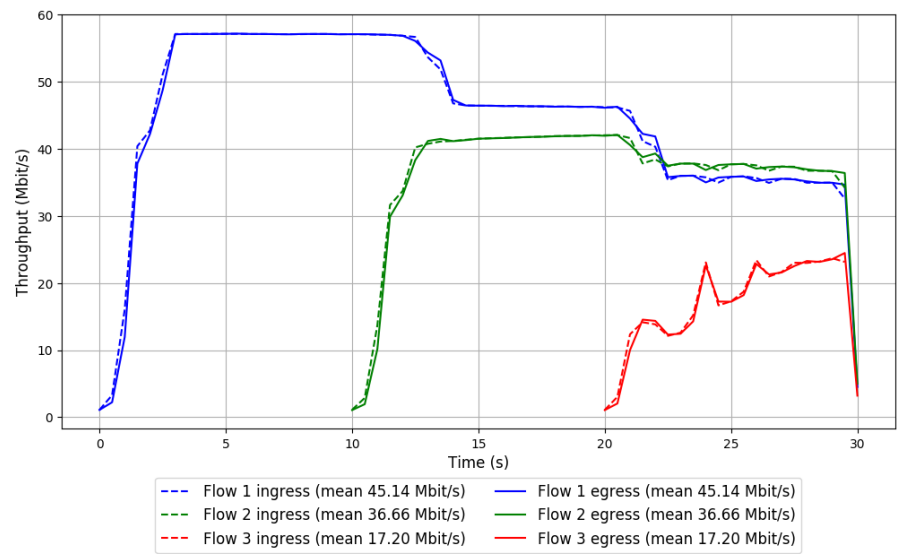


Run 5: Statistics of Copa

Start at: 2018-02-04 23:18:09
End at: 2018-02-04 23:18:39
Local clock offset: -0.231 ms
Remote clock offset: -1.529 ms

Below is generated by plot.py at 2018-02-05 02:01:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 104.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 101.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 108.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 106.908 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

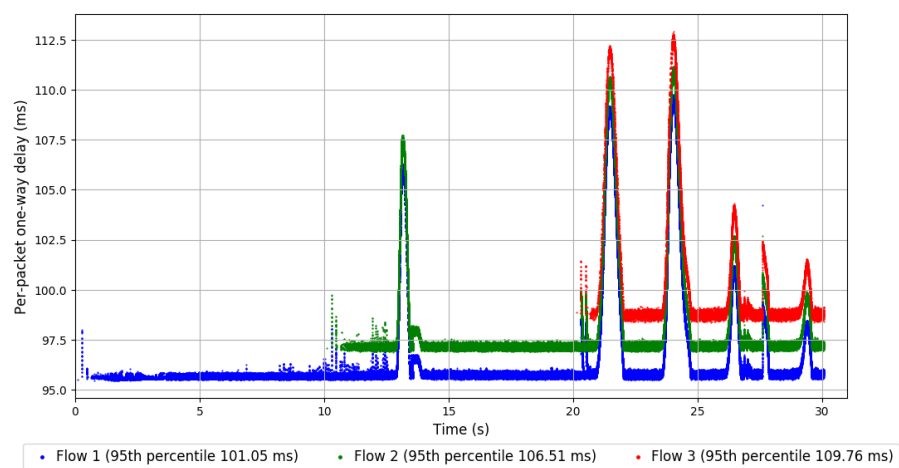
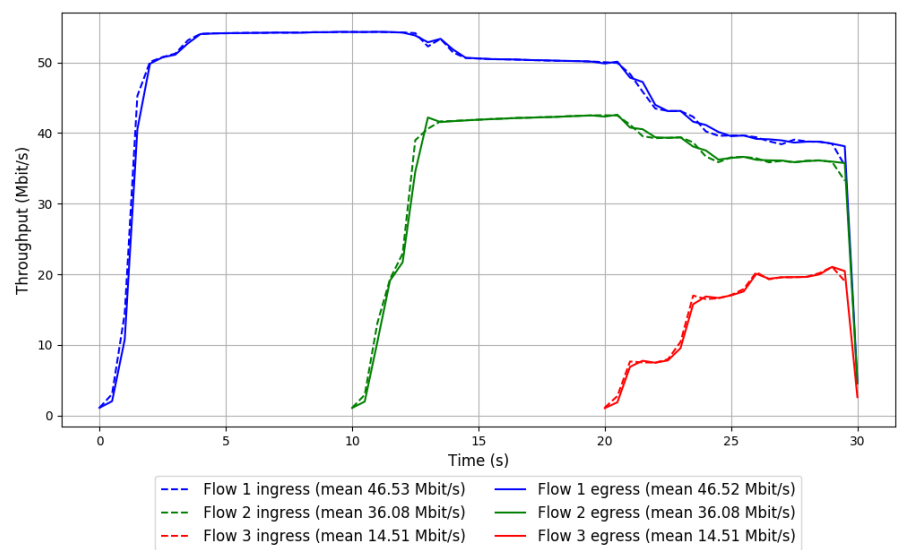


Run 6: Statistics of Copa

Start at: 2018-02-04 23:41:54
End at: 2018-02-04 23:42:24
Local clock offset: -0.106 ms
Remote clock offset: -1.302 ms

Below is generated by plot.py at 2018-02-05 02:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 104.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 101.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 106.509 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 109.759 ms
Loss rate: 0.02%

Run 6: Report of Copa — Data Link

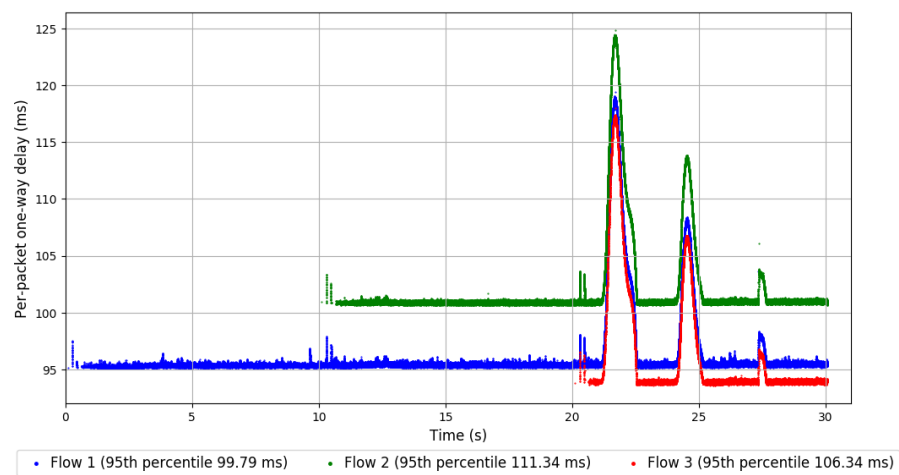
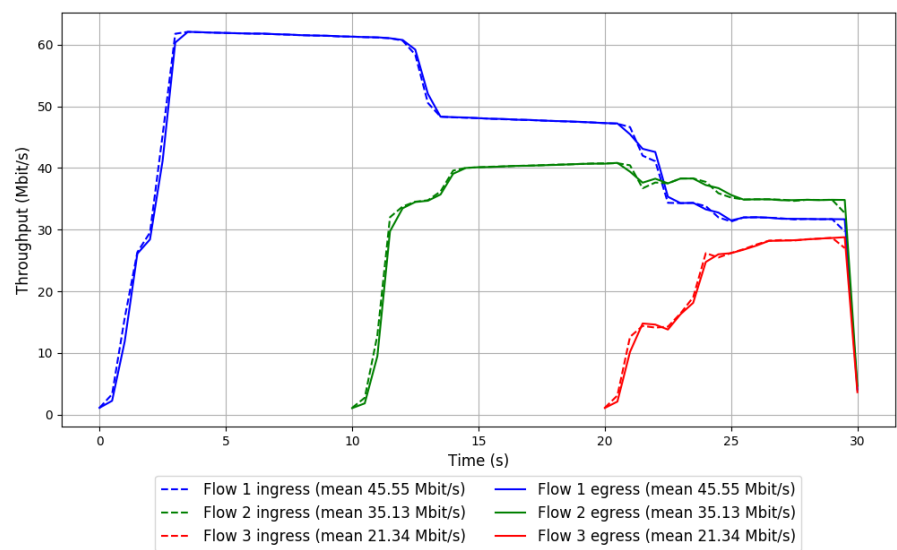


Run 7: Statistics of Copa

Start at: 2018-02-05 00:05:48
End at: 2018-02-05 00:06:18
Local clock offset: -0.108 ms
Remote clock offset: -1.695 ms

Below is generated by plot.py at 2018-02-05 02:01:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 105.775 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 99.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 111.337 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 106.337 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

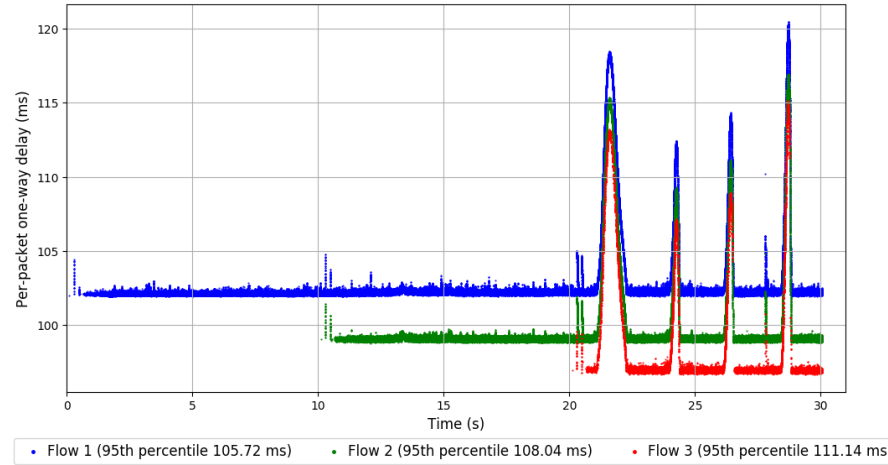
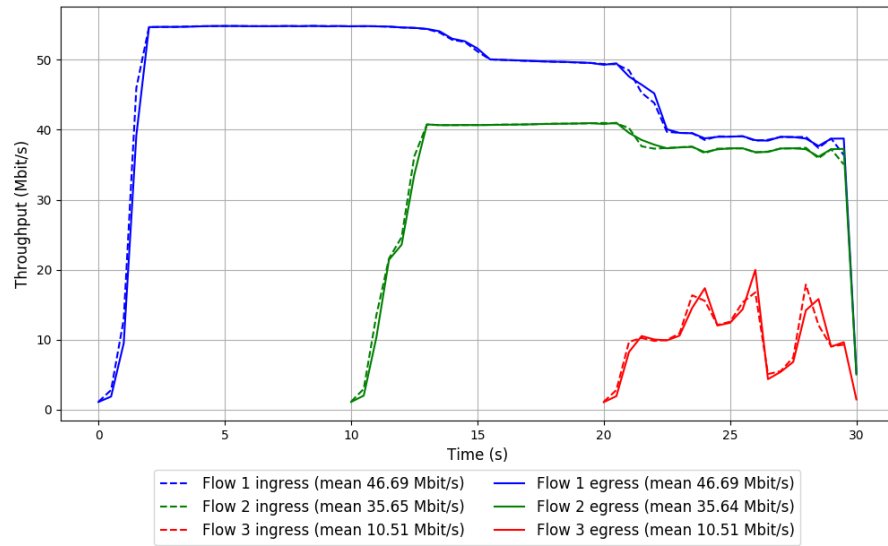


Run 8: Statistics of Copa

Start at: 2018-02-05 00:29:37
End at: 2018-02-05 00:30:07
Local clock offset: -0.126 ms
Remote clock offset: -2.416 ms

Below is generated by plot.py at 2018-02-05 02:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.92 Mbit/s
95th percentile per-packet one-way delay: 107.177 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 105.722 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 108.041 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 111.136 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

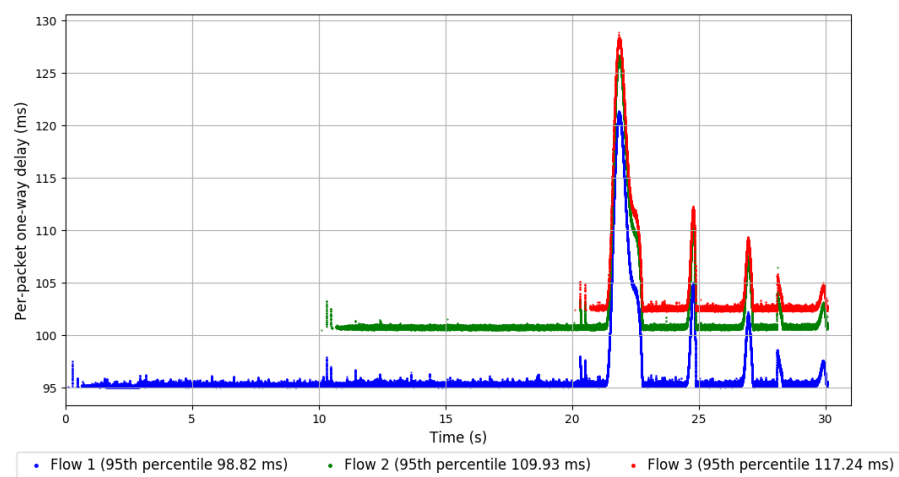
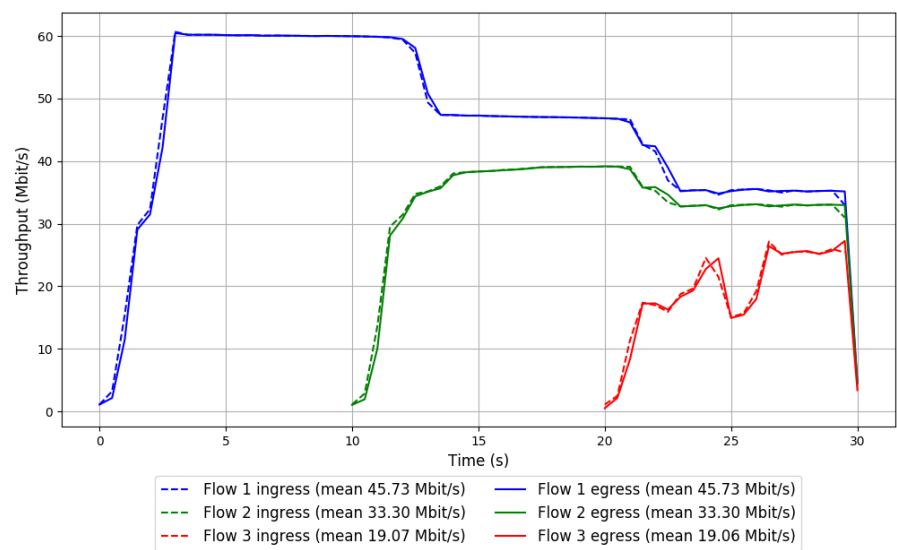


Run 9: Statistics of Copa

Start at: 2018-02-05 00:53:25
End at: 2018-02-05 00:53:55
Local clock offset: -0.103 ms
Remote clock offset: -2.949 ms

Below is generated by plot.py at 2018-02-05 02:02:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.22 Mbit/s
95th percentile per-packet one-way delay: 106.580 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 98.818 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 109.929 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 117.238 ms
Loss rate: 0.06%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-05 01:17:17

End at: 2018-02-05 01:17:47

Local clock offset: -0.103 ms

Remote clock offset: 2.905 ms

Below is generated by plot.py at 2018-02-05 02:03:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.03 Mbit/s

95th percentile per-packet one-way delay: 111.800 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 45.16 Mbit/s

95th percentile per-packet one-way delay: 110.045 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.22 Mbit/s

95th percentile per-packet one-way delay: 112.849 ms

Loss rate: 0.01%

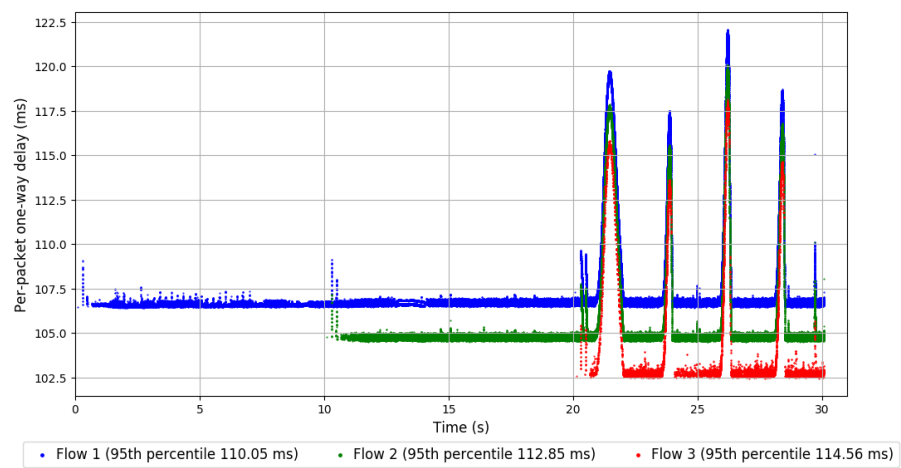
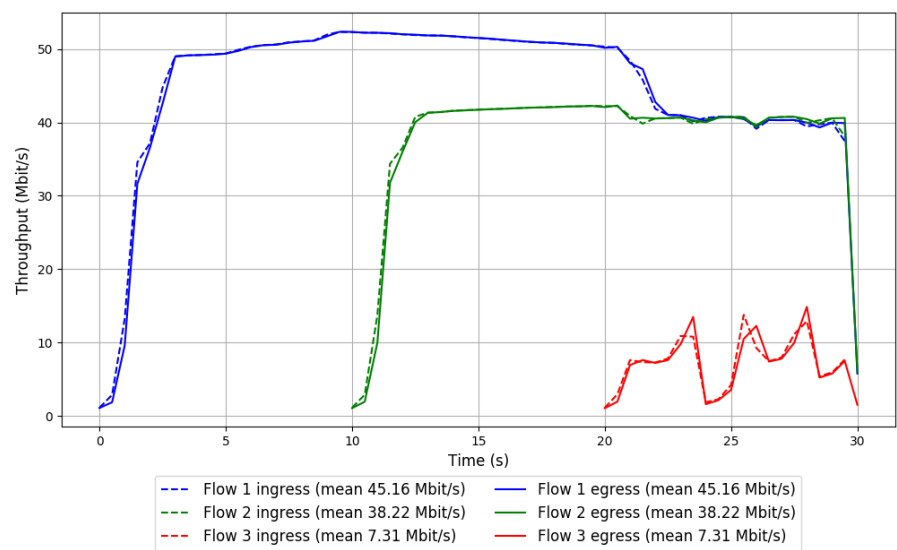
-- Flow 3:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 114.556 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

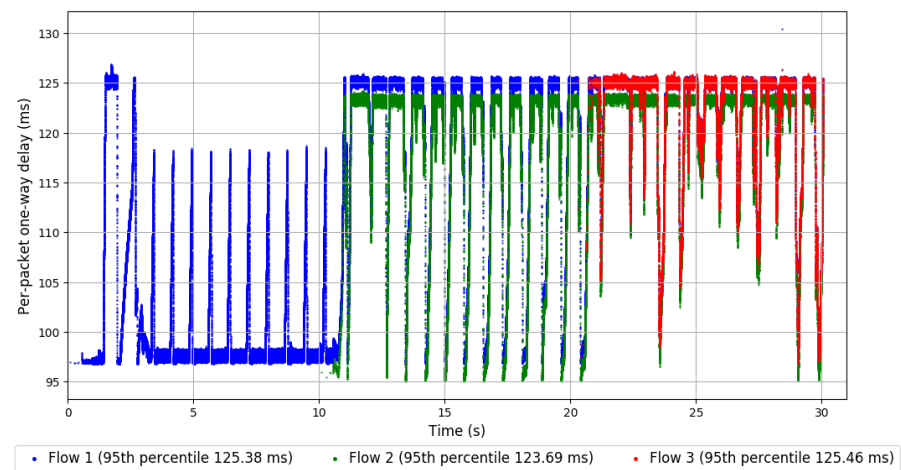
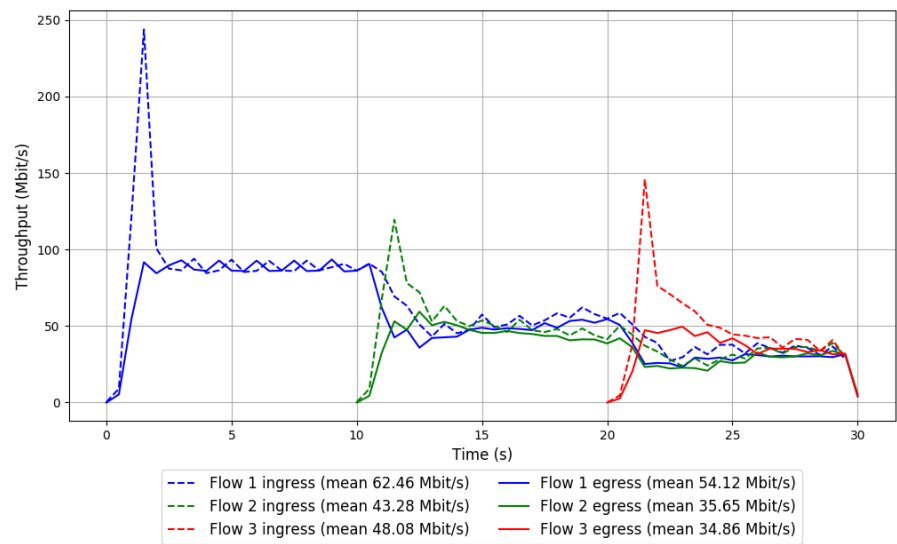


```
Run 1: Statistics of FillP

Start at: 2018-02-04 21:31:59
End at: 2018-02-04 21:32:29
Local clock offset: -0.153 ms
Remote clock offset: -1.745 ms

# Below is generated by plot.py at 2018-02-05 02:03:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 125.363 ms
Loss rate: 16.53%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 125.380 ms
Loss rate: 13.28%
-- Flow 2:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 123.692 ms
Loss rate: 17.51%
-- Flow 3:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 125.457 ms
Loss rate: 27.50%
```


Run 1: Report of FillP — Data Link

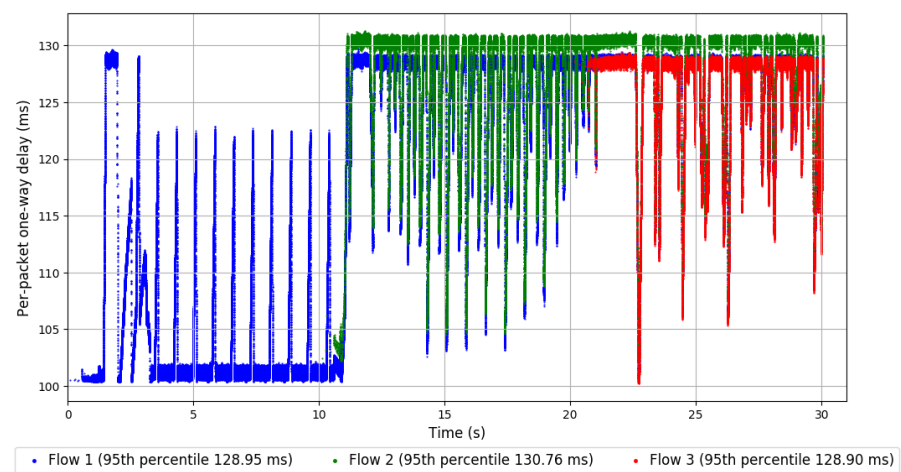
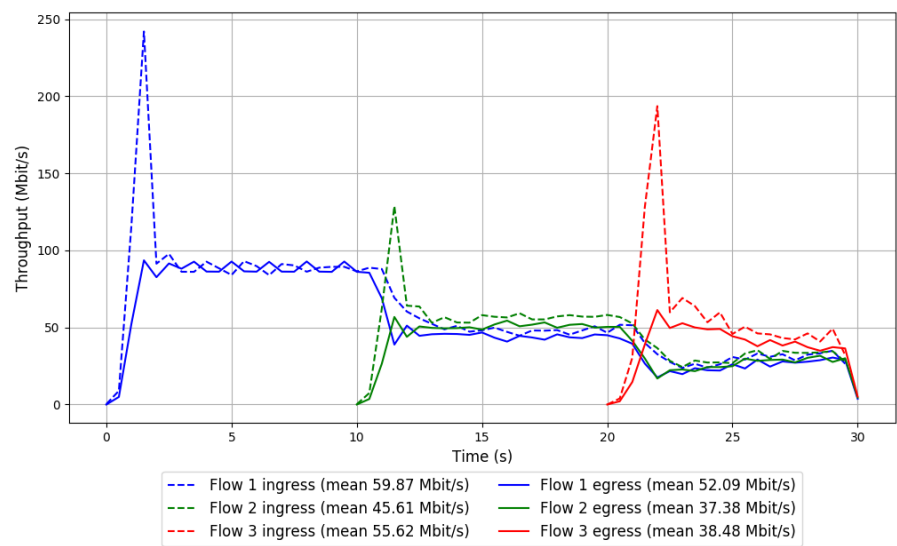


Run 2: Statistics of FillP

Start at: 2018-02-04 21:55:53
End at: 2018-02-04 21:56:23
Local clock offset: -0.142 ms
Remote clock offset: -1.998 ms

Below is generated by plot.py at 2018-02-05 02:03:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 130.600 ms
Loss rate: 17.35%
-- Flow 1:
Average throughput: 52.09 Mbit/s
95th percentile per-packet one-way delay: 128.947 ms
Loss rate: 12.90%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 130.759 ms
Loss rate: 17.94%
-- Flow 3:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 128.899 ms
Loss rate: 30.83%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-04 22:19:49

End at: 2018-02-04 22:20:19

Local clock offset: -0.148 ms

Remote clock offset: 2.537 ms

Below is generated by plot.py at 2018-02-05 02:04:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 135.575 ms

Loss rate: 17.72%

-- Flow 1:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 135.567 ms

Loss rate: 15.58%

-- Flow 2:

Average throughput: 34.52 Mbit/s

95th percentile per-packet one-way delay: 135.633 ms

Loss rate: 18.87%

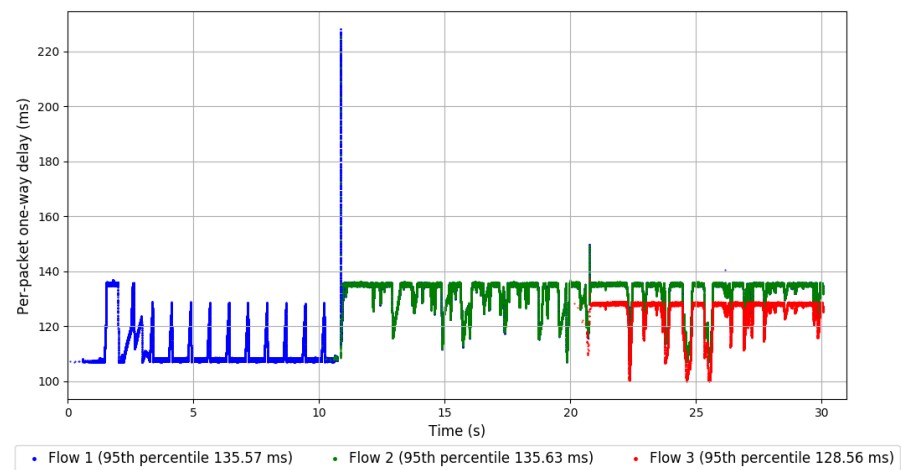
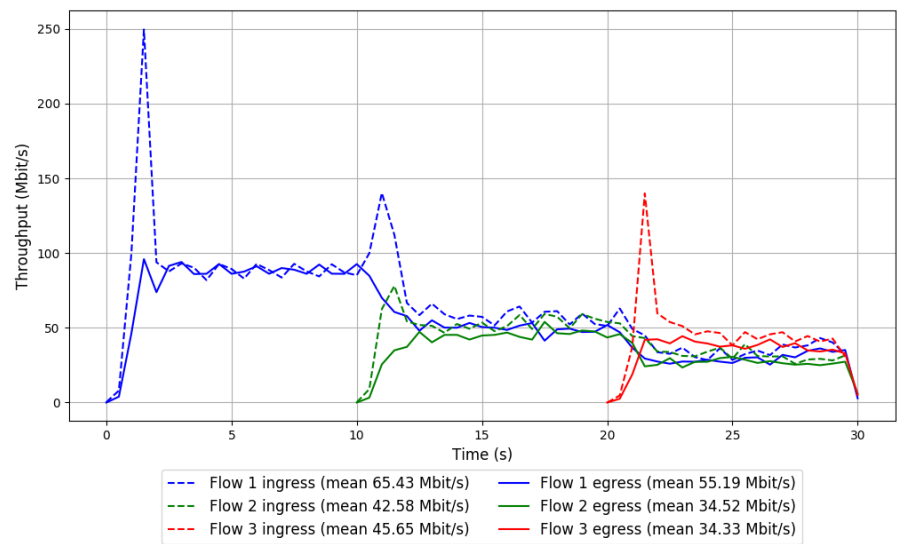
-- Flow 3:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 128.556 ms

Loss rate: 24.79%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-04 22:43:41

End at: 2018-02-04 22:44:11

Local clock offset: -0.212 ms

Remote clock offset: 3.915 ms

Below is generated by plot.py at 2018-02-05 02:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.95 Mbit/s

95th percentile per-packet one-way delay: 135.387 ms

Loss rate: 18.08%

-- Flow 1:

Average throughput: 47.36 Mbit/s

95th percentile per-packet one-way delay: 133.442 ms

Loss rate: 13.88%

-- Flow 2:

Average throughput: 42.42 Mbit/s

95th percentile per-packet one-way delay: 135.376 ms

Loss rate: 17.25%

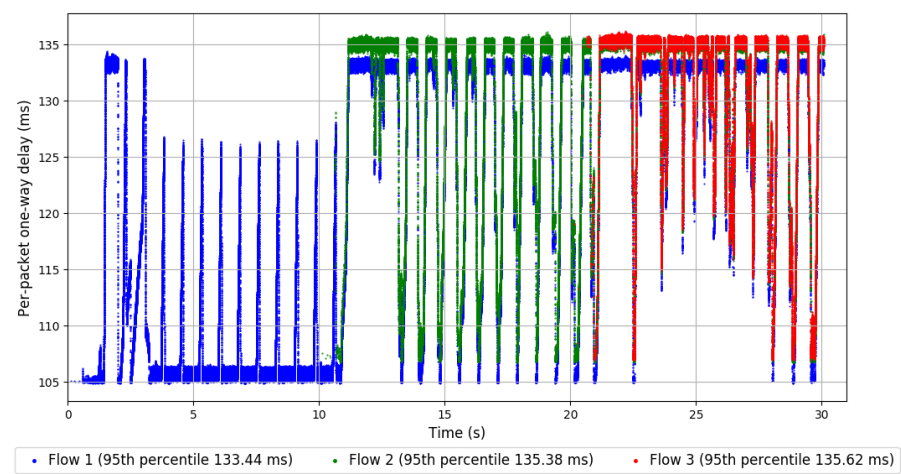
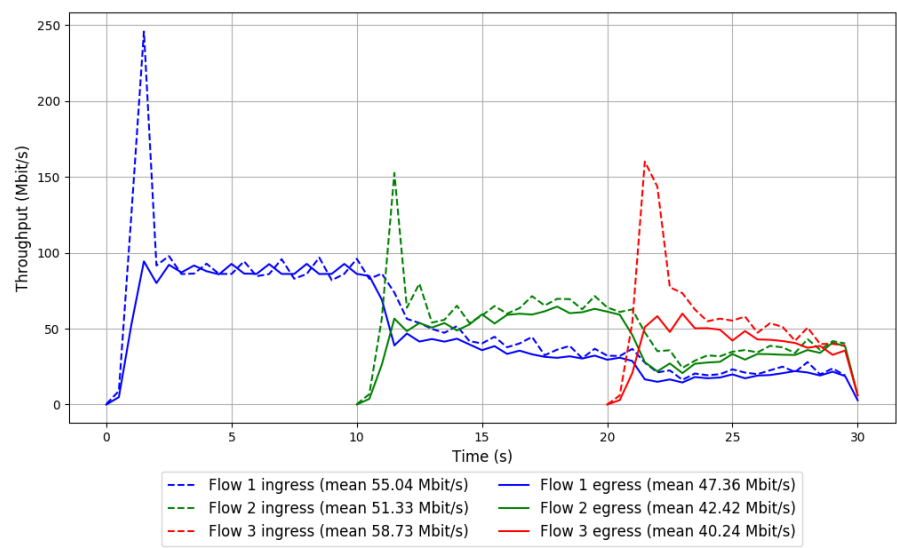
-- Flow 3:

Average throughput: 40.24 Mbit/s

95th percentile per-packet one-way delay: 135.625 ms

Loss rate: 31.40%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-04 23:07:32

End at: 2018-02-04 23:08:02

Local clock offset: -0.184 ms

Remote clock offset: 4.042 ms

Below is generated by plot.py at 2018-02-05 02:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 136.281 ms

Loss rate: 16.70%

-- Flow 1:

Average throughput: 51.85 Mbit/s

95th percentile per-packet one-way delay: 136.379 ms

Loss rate: 13.71%

-- Flow 2:

Average throughput: 40.89 Mbit/s

95th percentile per-packet one-way delay: 131.147 ms

Loss rate: 18.38%

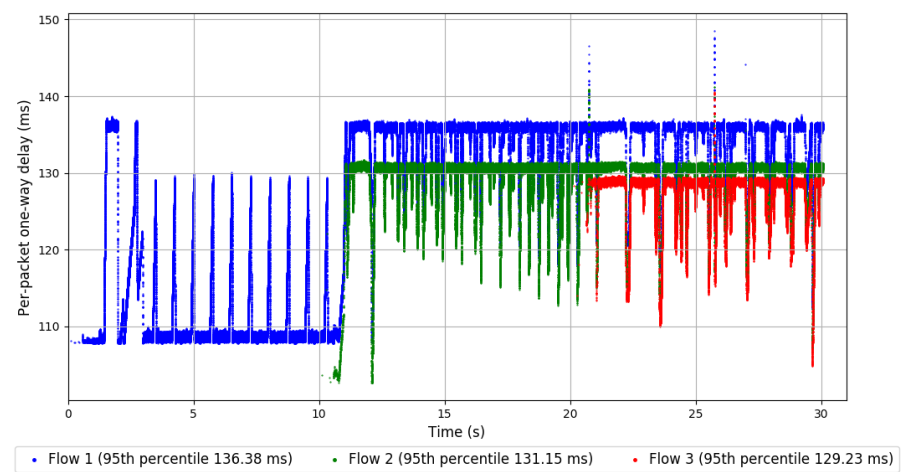
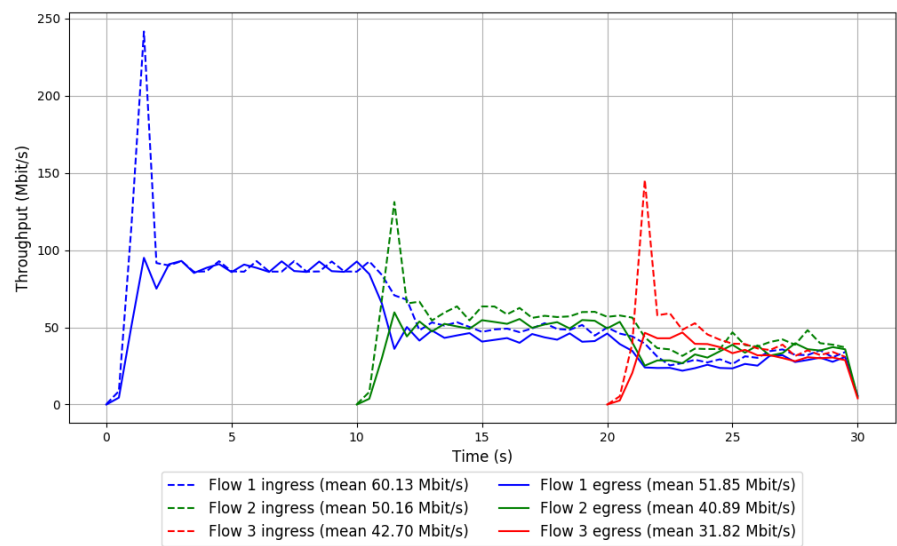
-- Flow 3:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 129.231 ms

Loss rate: 25.47%

Run 5: Report of FillP — Data Link

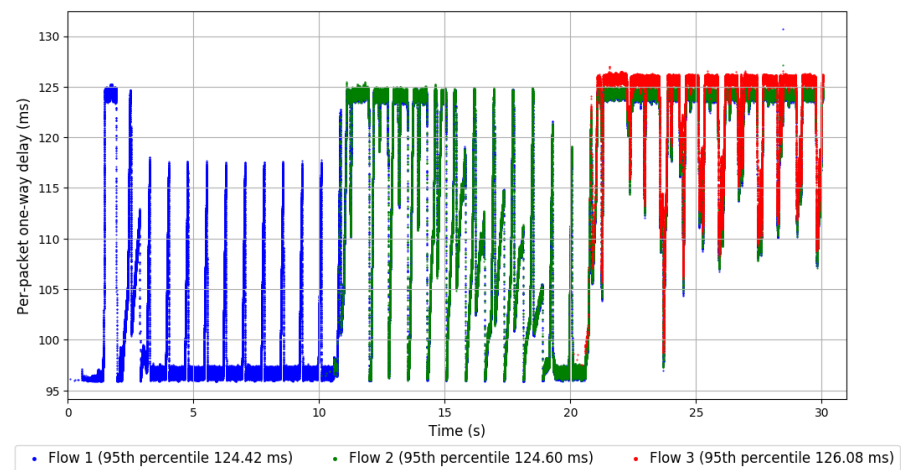
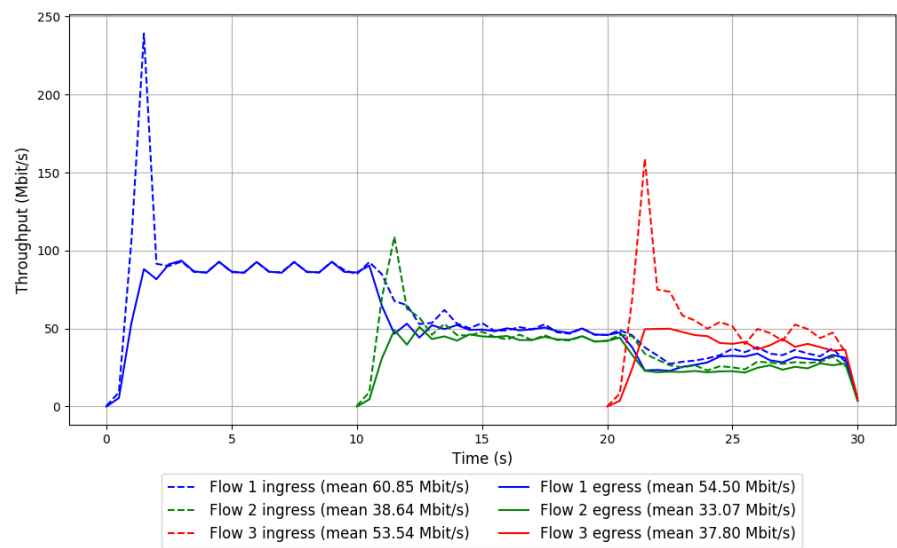


Run 6: Statistics of FillP

Start at: 2018-02-04 23:31:19
End at: 2018-02-04 23:31:49
Local clock offset: -0.209 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2018-02-05 02:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 125.748 ms
Loss rate: 14.54%
-- Flow 1:
Average throughput: 54.50 Mbit/s
95th percentile per-packet one-way delay: 124.419 ms
Loss rate: 10.36%
-- Flow 2:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 124.597 ms
Loss rate: 14.29%
-- Flow 3:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 126.079 ms
Loss rate: 29.21%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-04 23:55:07

End at: 2018-02-04 23:55:37

Local clock offset: -0.099 ms

Remote clock offset: 3.284 ms

Below is generated by plot.py at 2018-02-05 02:05:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 135.248 ms

Loss rate: 17.33%

-- Flow 1:

Average throughput: 51.30 Mbit/s

95th percentile per-packet one-way delay: 128.267 ms

Loss rate: 14.02%

-- Flow 2:

Average throughput: 40.18 Mbit/s

95th percentile per-packet one-way delay: 125.660 ms

Loss rate: 19.24%

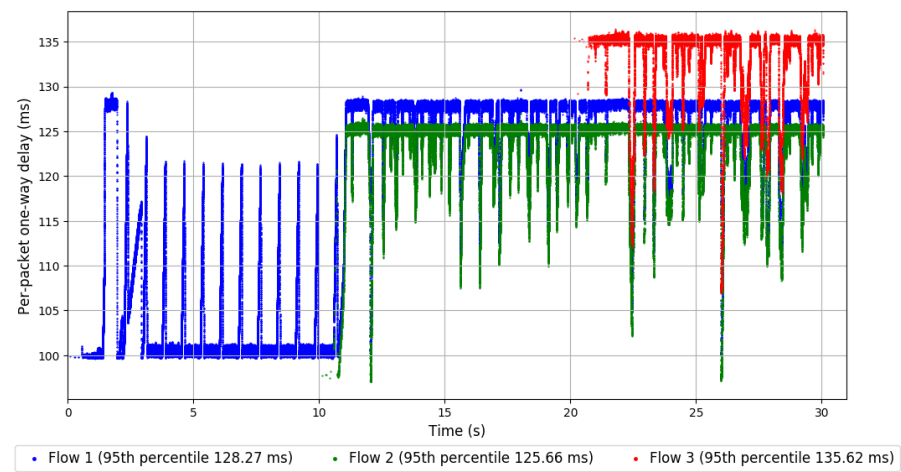
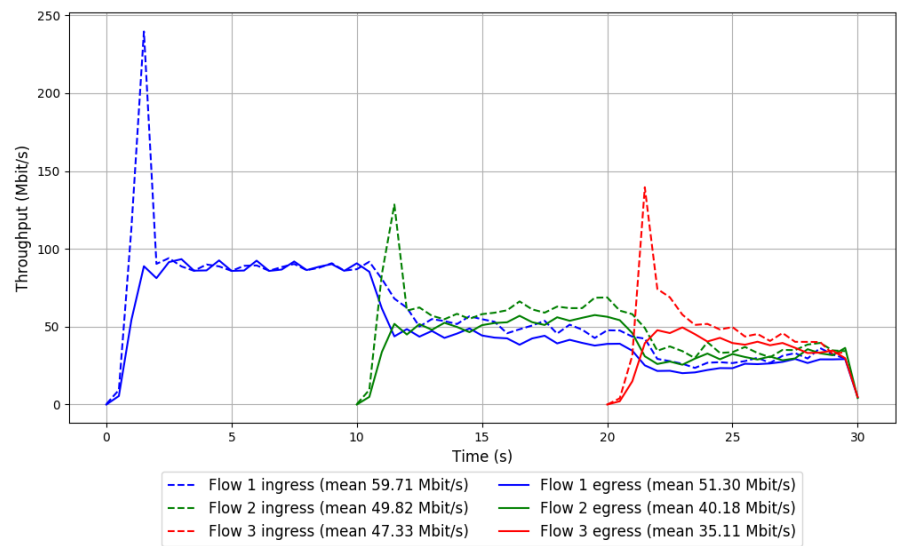
-- Flow 3:

Average throughput: 35.11 Mbit/s

95th percentile per-packet one-way delay: 135.617 ms

Loss rate: 25.89%

Run 7: Report of FillP — Data Link

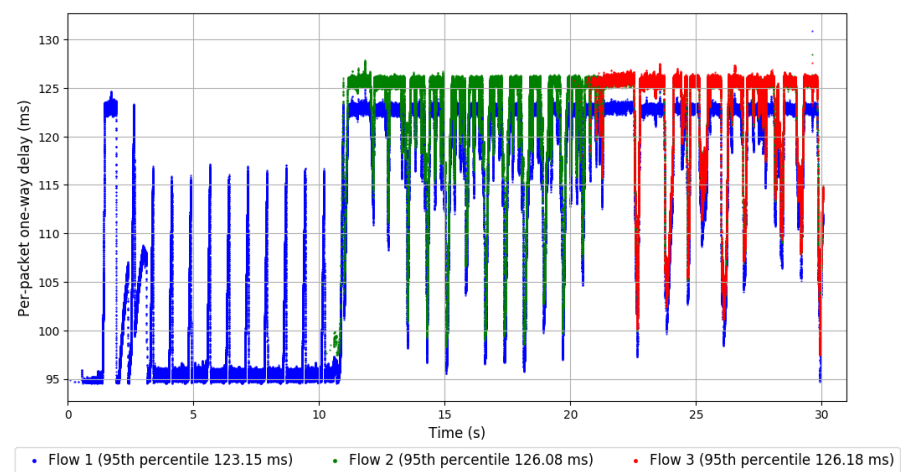
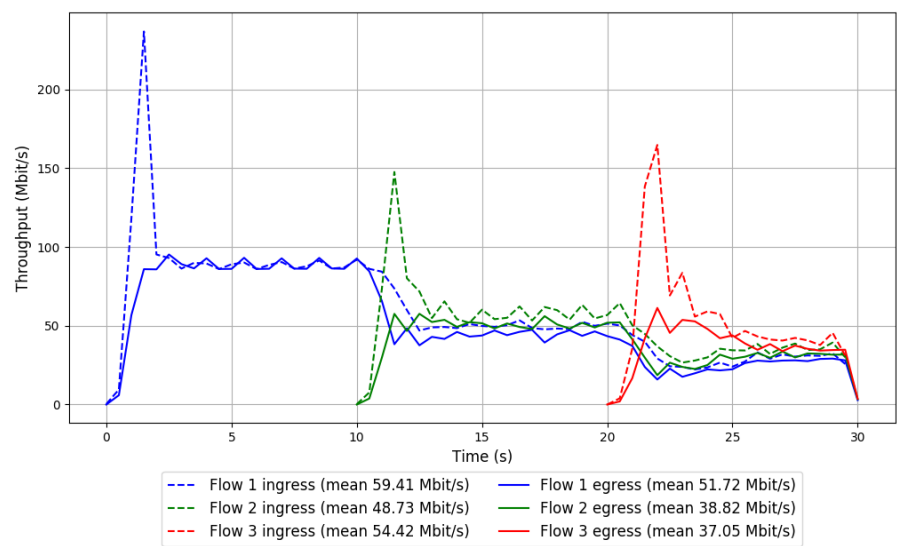


Run 8: Statistics of FillP

Start at: 2018-02-05 00:19:00
End at: 2018-02-05 00:19:30
Local clock offset: -0.175 ms
Remote clock offset: -1.323 ms

Below is generated by plot.py at 2018-02-05 02:05:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 126.004 ms
Loss rate: 18.22%
-- Flow 1:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 123.152 ms
Loss rate: 12.89%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 126.081 ms
Loss rate: 20.31%
-- Flow 3:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 126.183 ms
Loss rate: 32.01%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-05 00:42:47

End at: 2018-02-05 00:43:18

Local clock offset: -0.093 ms

Remote clock offset: 3.0 ms

Below is generated by plot.py at 2018-02-05 02:06:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 134.496 ms

Loss rate: 20.21%

-- Flow 1:

Average throughput: 50.47 Mbit/s

95th percentile per-packet one-way delay: 134.618 ms

Loss rate: 14.50%

-- Flow 2:

Average throughput: 38.06 Mbit/s

95th percentile per-packet one-way delay: 130.826 ms

Loss rate: 21.46%

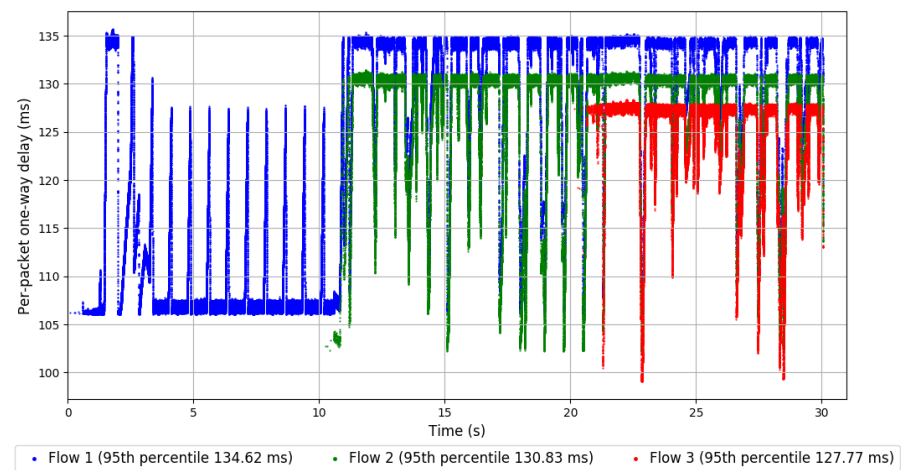
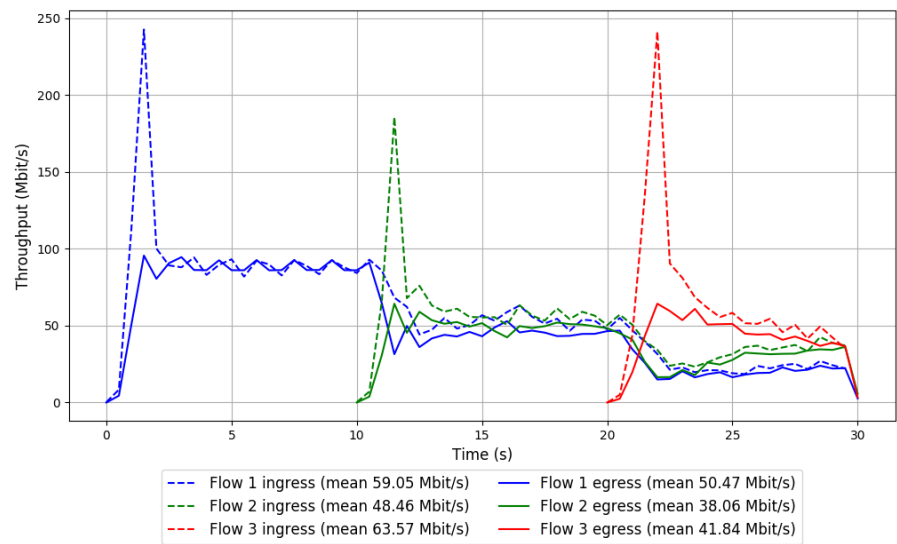
-- Flow 3:

Average throughput: 41.84 Mbit/s

95th percentile per-packet one-way delay: 127.773 ms

Loss rate: 34.28%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-05 01:06:39

End at: 2018-02-05 01:07:09

Local clock offset: -0.125 ms

Remote clock offset: 3.504 ms

Below is generated by plot.py at 2018-02-05 02:06:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 134.794 ms

Loss rate: 17.62%

-- Flow 1:

Average throughput: 54.39 Mbit/s

95th percentile per-packet one-way delay: 134.886 ms

Loss rate: 12.91%

-- Flow 2:

Average throughput: 36.73 Mbit/s

95th percentile per-packet one-way delay: 130.567 ms

Loss rate: 23.24%

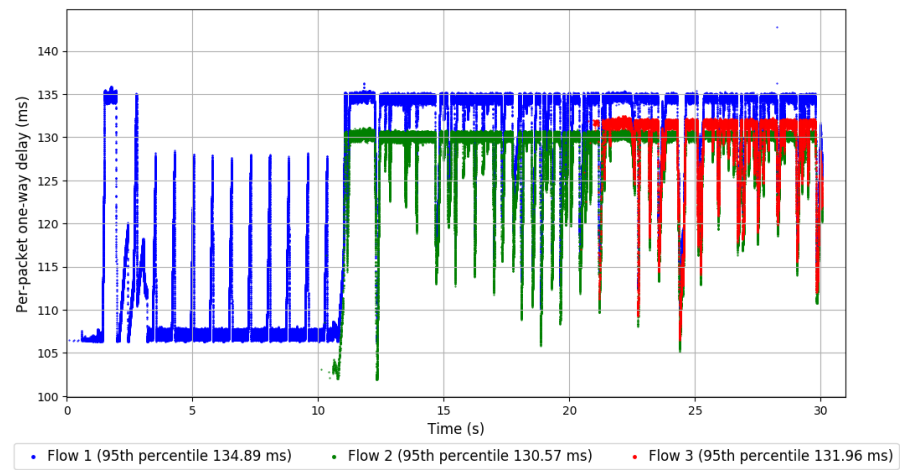
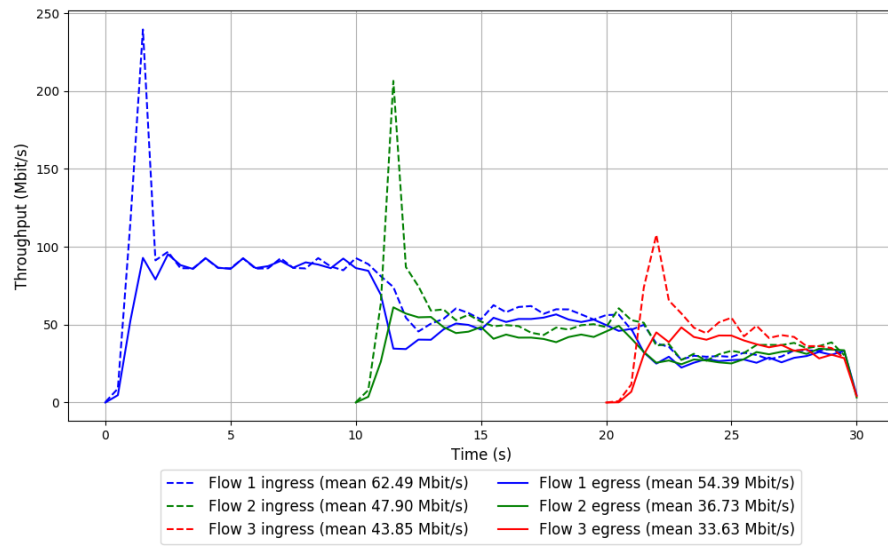
-- Flow 3:

Average throughput: 33.63 Mbit/s

95th percentile per-packet one-way delay: 131.960 ms

Loss rate: 25.59%

Run 10: Report of FillP — Data Link

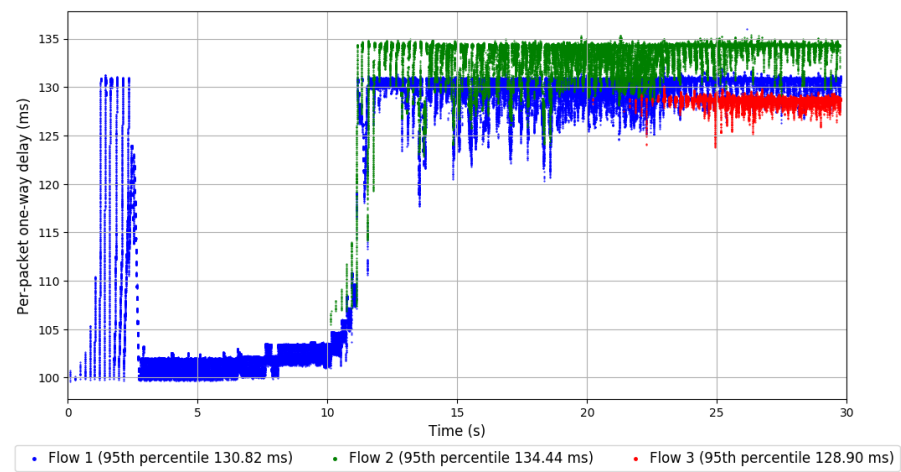
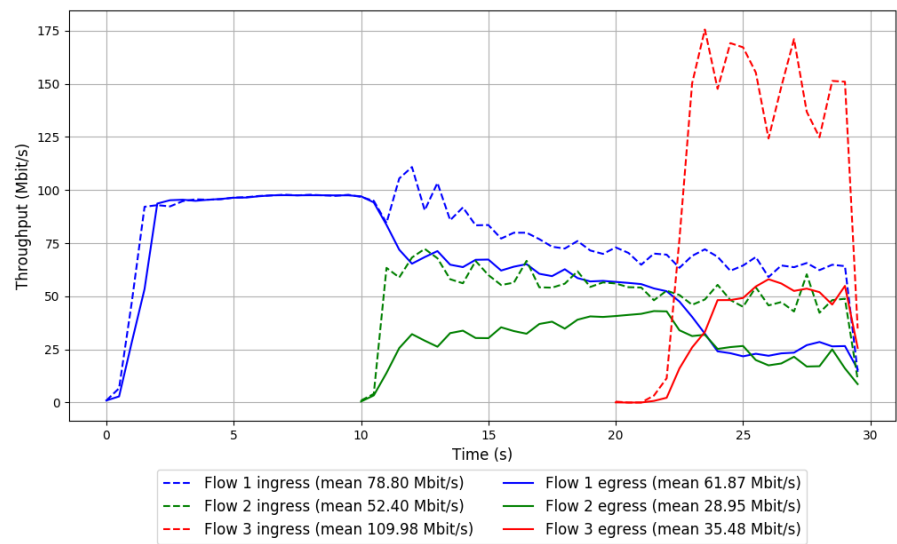


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-04 21:29:23
End at: 2018-02-04 21:29:53
Local clock offset: -0.126 ms
Remote clock offset: -0.828 ms

Below is generated by plot.py at 2018-02-05 02:06:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 134.273 ms
Loss rate: 37.84%
-- Flow 1:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 130.824 ms
Loss rate: 21.41%
-- Flow 2:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: 134.435 ms
Loss rate: 44.66%
-- Flow 3:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 128.904 ms
Loss rate: 67.73%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-04 21:53:15

End at: 2018-02-04 21:53:45

Local clock offset: -0.138 ms

Remote clock offset: 3.668 ms

Below is generated by plot.py at 2018-02-05 02:06:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 137.401 ms

Loss rate: 40.78%

-- Flow 1:

Average throughput: 63.33 Mbit/s

95th percentile per-packet one-way delay: 135.852 ms

Loss rate: 19.86%

-- Flow 2:

Average throughput: 16.39 Mbit/s

95th percentile per-packet one-way delay: 132.487 ms

Loss rate: 56.09%

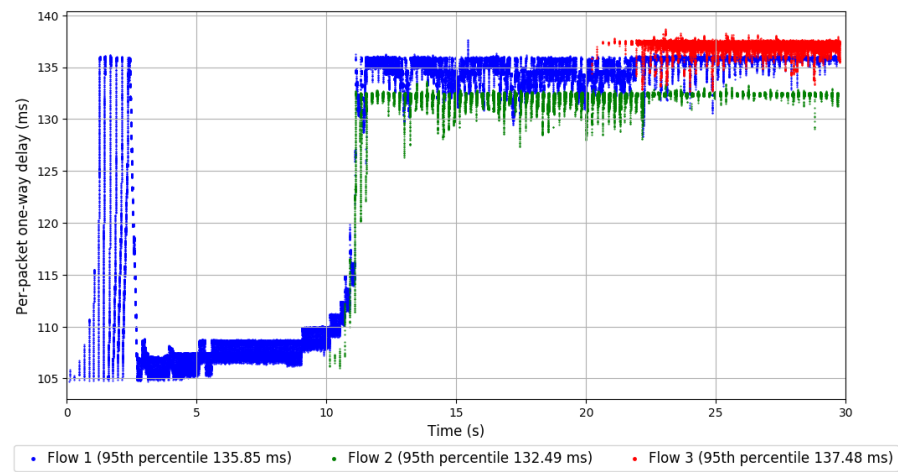
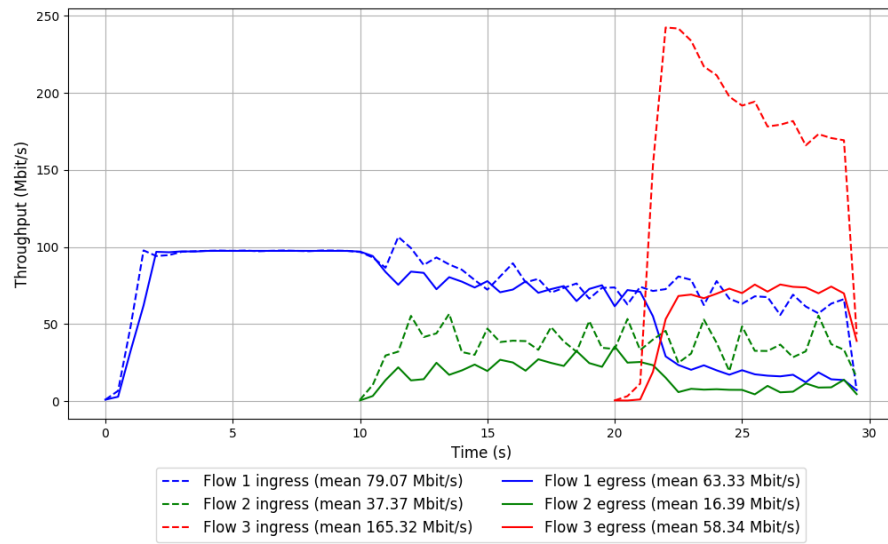
-- Flow 3:

Average throughput: 58.34 Mbit/s

95th percentile per-packet one-way delay: 137.482 ms

Loss rate: 64.72%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-04 22:17:11

End at: 2018-02-04 22:17:41

Local clock offset: -0.223 ms

Remote clock offset: 2.494 ms

Below is generated by plot.py at 2018-02-05 02:06:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 137.651 ms

Loss rate: 43.28%

-- Flow 1:

Average throughput: 65.37 Mbit/s

95th percentile per-packet one-way delay: 130.134 ms

Loss rate: 25.24%

-- Flow 2:

Average throughput: 27.62 Mbit/s

95th percentile per-packet one-way delay: 137.813 ms

Loss rate: 53.36%

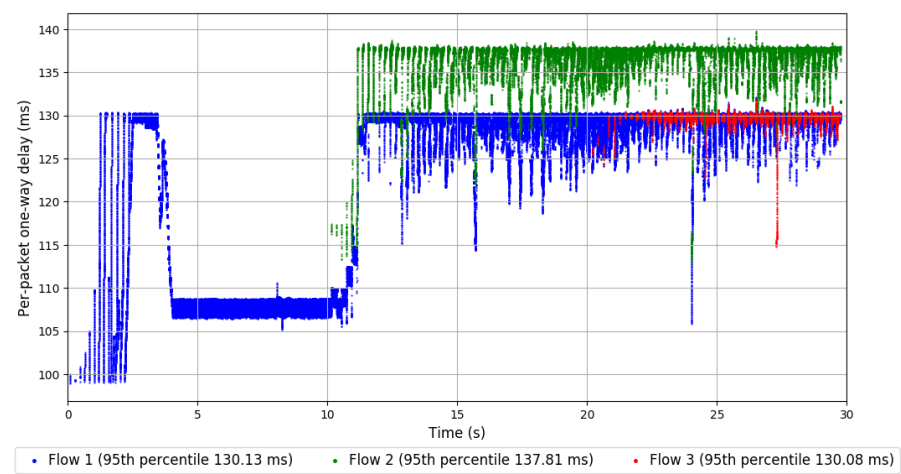
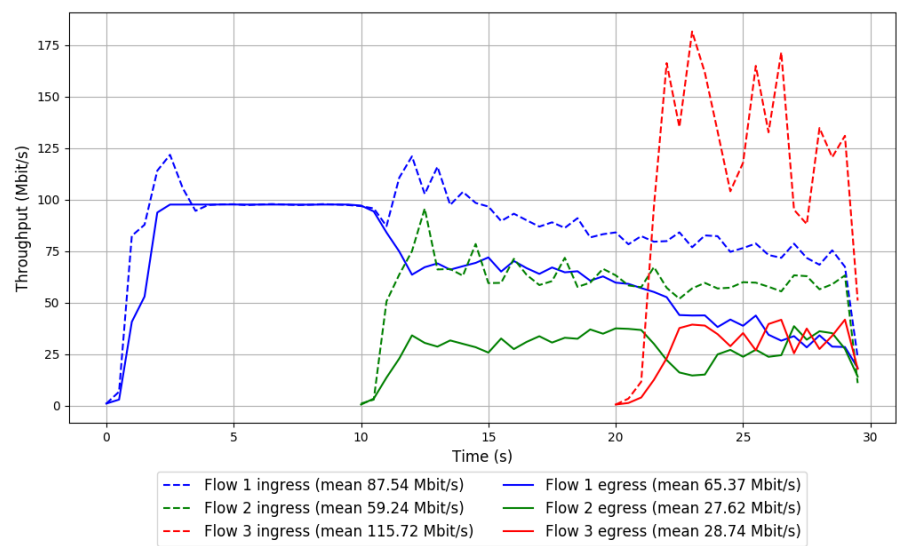
-- Flow 3:

Average throughput: 28.74 Mbit/s

95th percentile per-packet one-way delay: 130.084 ms

Loss rate: 75.15%

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

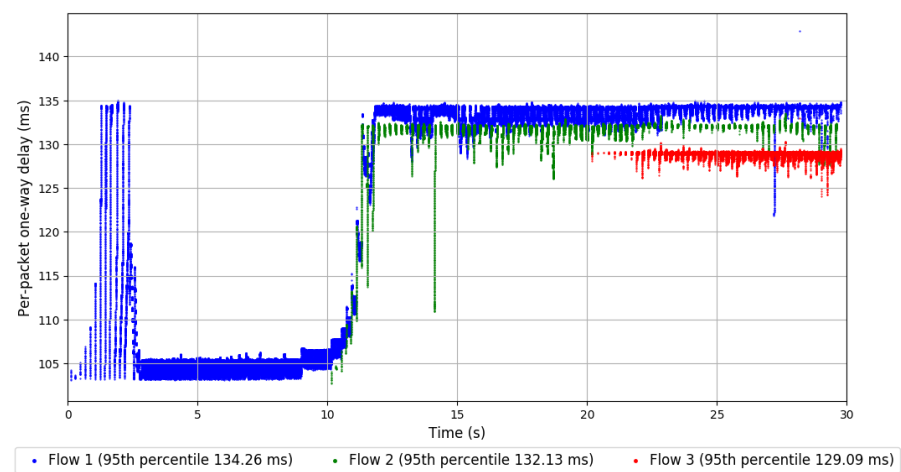
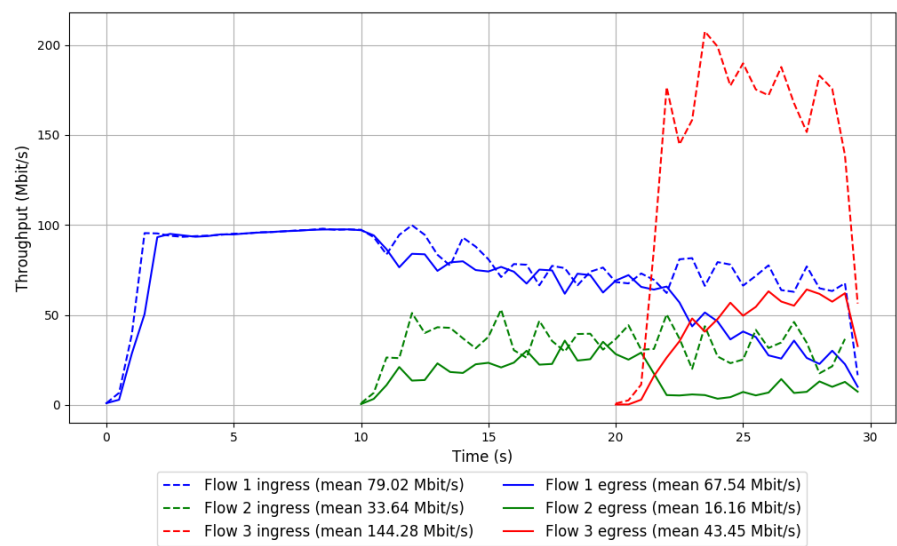


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-04 22:41:03
End at: 2018-02-04 22:41:33
Local clock offset: -0.136 ms
Remote clock offset: -1.756 ms

Below is generated by plot.py at 2018-02-05 02:06:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 134.238 ms
Loss rate: 37.54%
-- Flow 1:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 134.257 ms
Loss rate: 14.44%
-- Flow 2:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 132.130 ms
Loss rate: 51.88%
-- Flow 3:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 129.092 ms
Loss rate: 69.88%

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

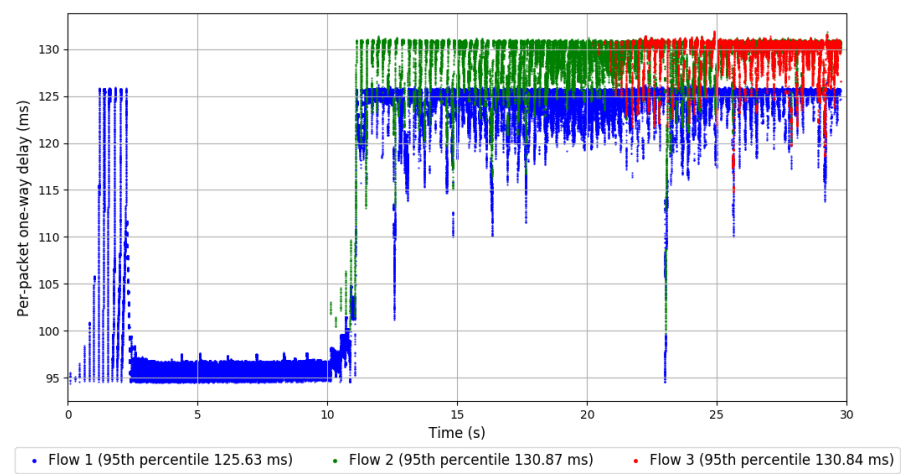
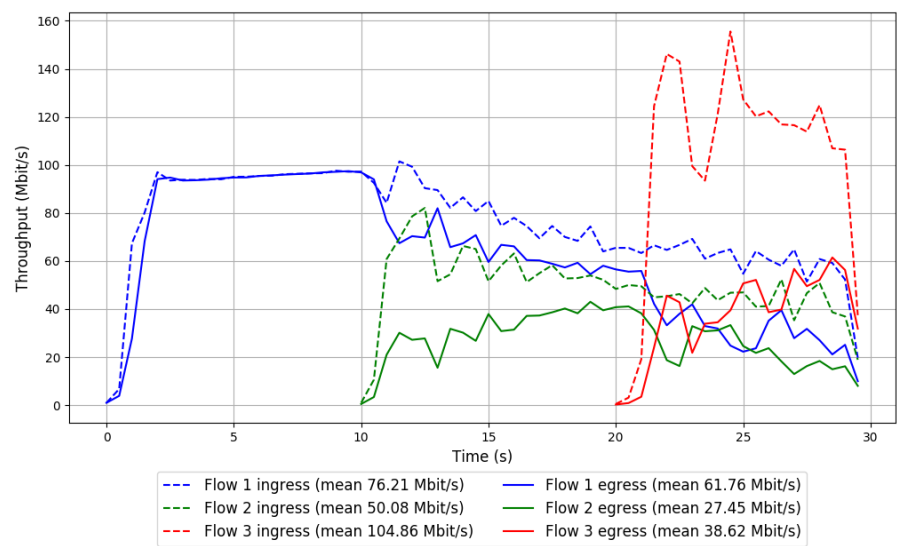


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-04 23:04:55
End at: 2018-02-04 23:05:25
Local clock offset: -0.176 ms
Remote clock offset: -0.921 ms

Below is generated by plot.py at 2018-02-05 02:07:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 130.776 ms
Loss rate: 35.39%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 125.626 ms
Loss rate: 18.87%
-- Flow 2:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 130.870 ms
Loss rate: 45.10%
-- Flow 3:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 130.844 ms
Loss rate: 63.19%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-04 23:28:42

End at: 2018-02-04 23:29:12

Local clock offset: -0.215 ms

Remote clock offset: 4.218 ms

Below is generated by plot.py at 2018-02-05 02:07:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 131.964 ms

Loss rate: 39.68%

-- Flow 1:

Average throughput: 58.77 Mbit/s

95th percentile per-packet one-way delay: 130.064 ms

Loss rate: 26.12%

-- Flow 2:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 132.093 ms

Loss rate: 36.87%

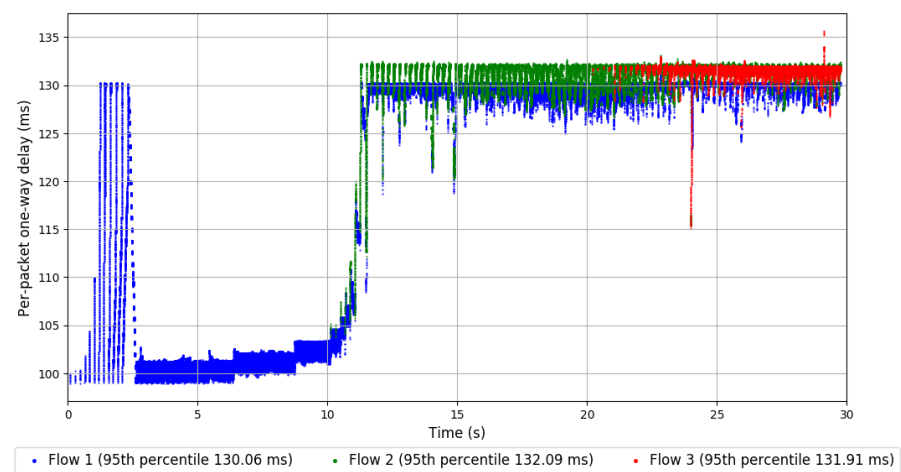
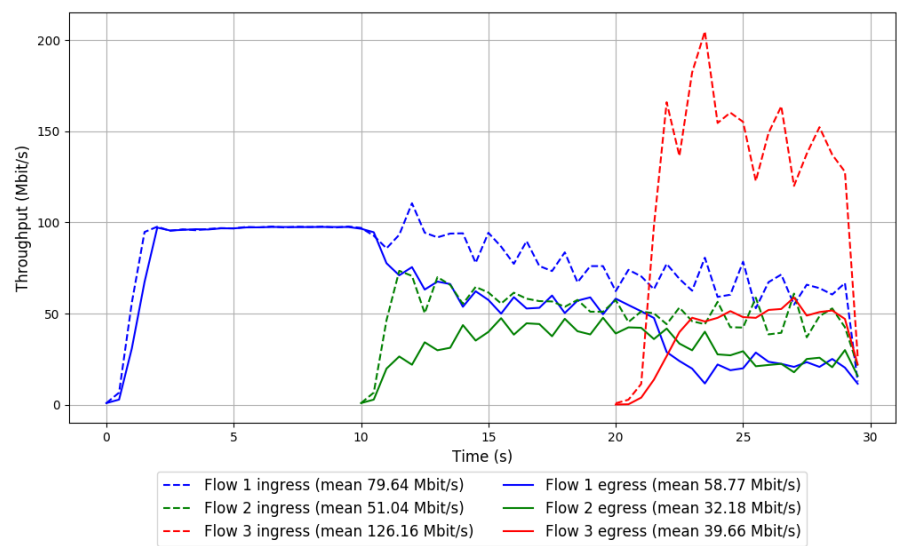
-- Flow 3:

Average throughput: 39.66 Mbit/s

95th percentile per-packet one-way delay: 131.910 ms

Loss rate: 68.56%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-04 23:52:31

End at: 2018-02-04 23:53:01

Local clock offset: -0.096 ms

Remote clock offset: 4.34 ms

Below is generated by plot.py at 2018-02-05 02:07:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 132.758 ms

Loss rate: 42.76%

-- Flow 1:

Average throughput: 57.99 Mbit/s

95th percentile per-packet one-way delay: 130.739 ms

Loss rate: 24.42%

-- Flow 2:

Average throughput: 22.91 Mbit/s

95th percentile per-packet one-way delay: 132.652 ms

Loss rate: 51.06%

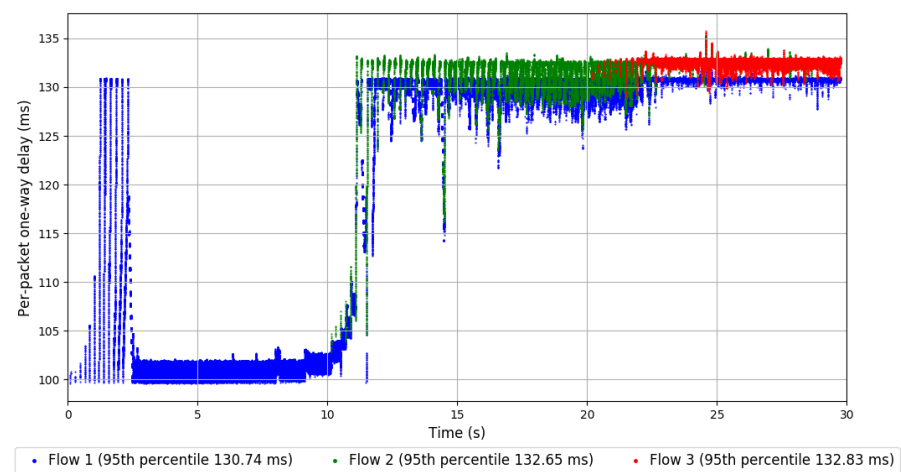
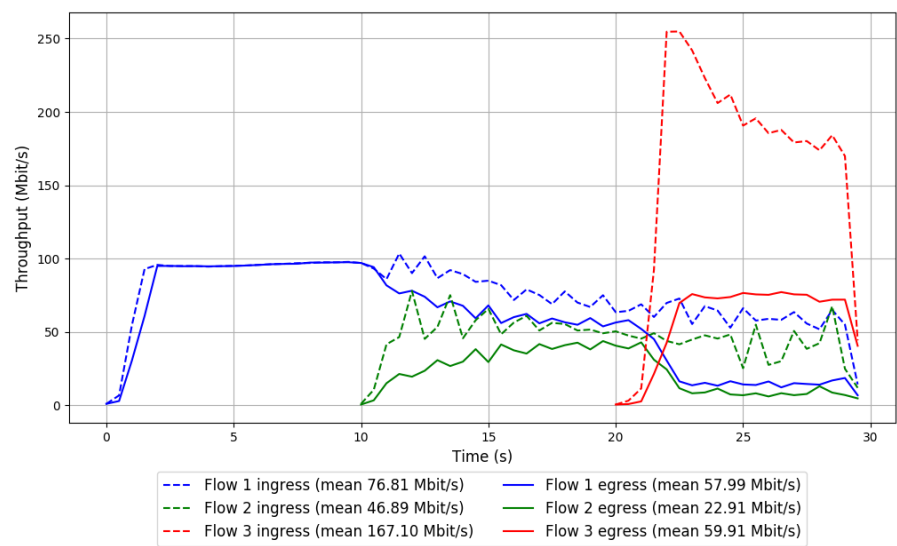
-- Flow 3:

Average throughput: 59.91 Mbit/s

95th percentile per-packet one-way delay: 132.833 ms

Loss rate: 64.14%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-05 00:16:24

End at: 2018-02-05 00:16:54

Local clock offset: -0.123 ms

Remote clock offset: -2.12 ms

Below is generated by plot.py at 2018-02-05 02:07:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 133.089 ms

Loss rate: 36.03%

-- Flow 1:

Average throughput: 63.15 Mbit/s

95th percentile per-packet one-way delay: 124.909 ms

Loss rate: 18.71%

-- Flow 2:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 133.299 ms

Loss rate: 47.57%

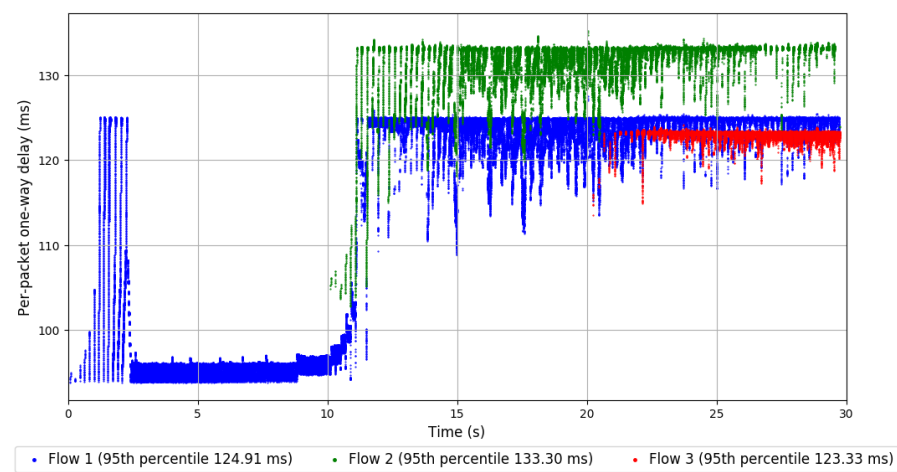
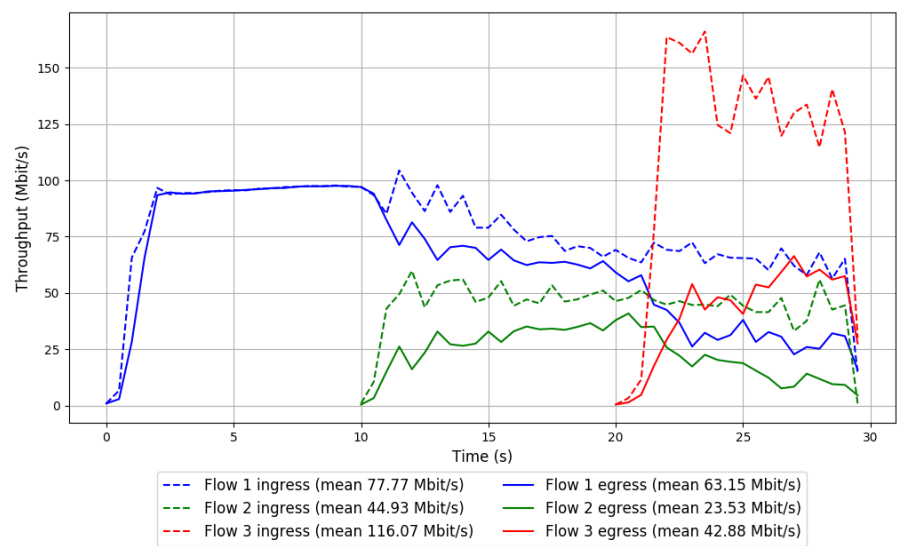
-- Flow 3:

Average throughput: 42.88 Mbit/s

95th percentile per-packet one-way delay: 123.335 ms

Loss rate: 63.02%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-05 00:40:11

End at: 2018-02-05 00:40:41

Local clock offset: -0.159 ms

Remote clock offset: 3.004 ms

Below is generated by plot.py at 2018-02-05 02:07:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 139.065 ms

Loss rate: 34.77%

-- Flow 1:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 132.587 ms

Loss rate: 18.12%

-- Flow 2:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 137.088 ms

Loss rate: 44.53%

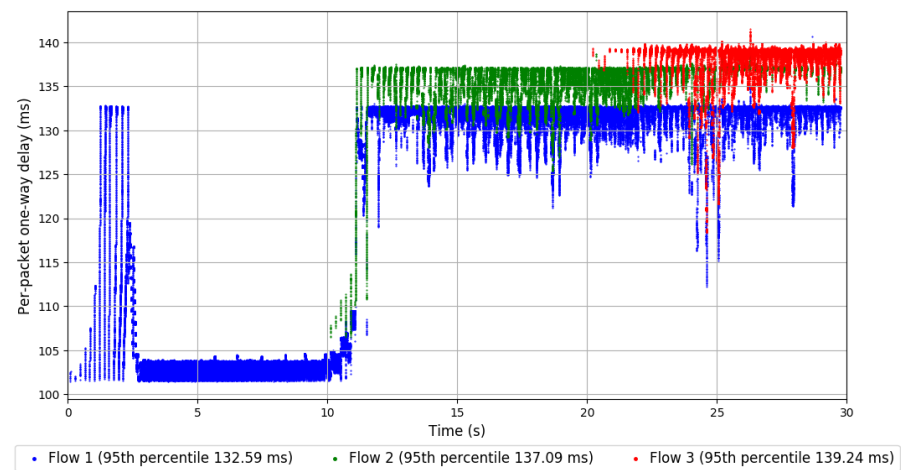
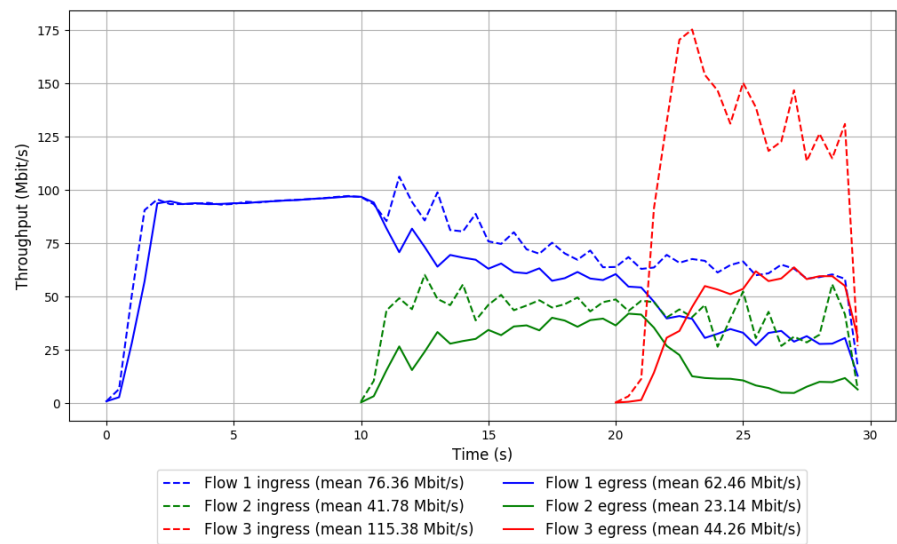
-- Flow 3:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 139.239 ms

Loss rate: 61.67%

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

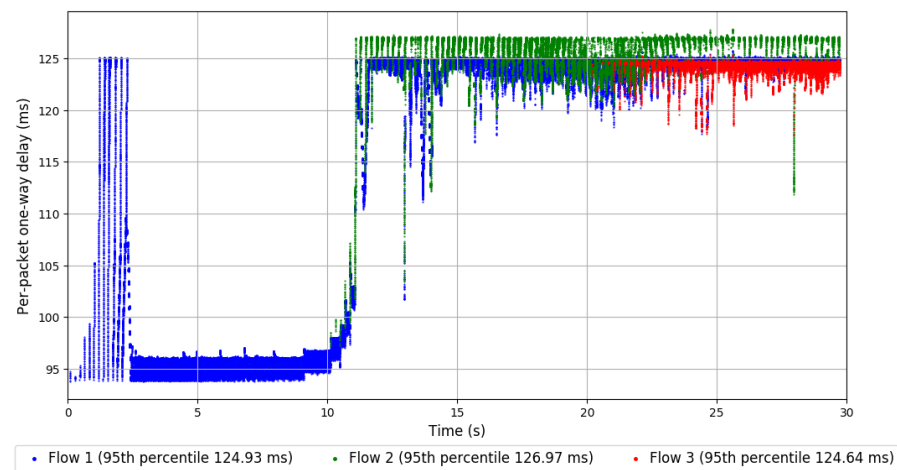
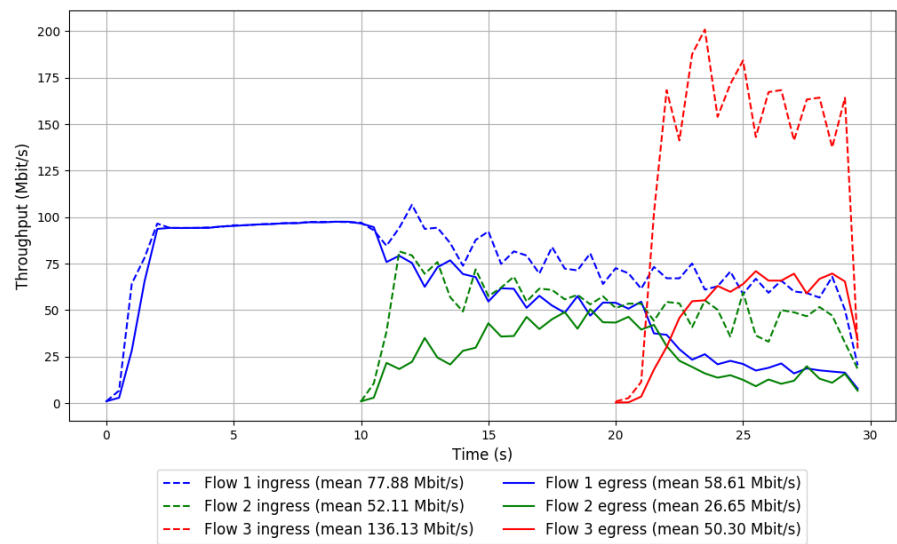


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-05 01:04:02
End at: 2018-02-05 01:04:32
Local clock offset: -0.099 ms
Remote clock offset: -3.149 ms

Below is generated by plot.py at 2018-02-05 02:07:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 126.826 ms
Loss rate: 40.78%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 124.929 ms
Loss rate: 24.67%
-- Flow 2:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 126.975 ms
Loss rate: 48.79%
-- Flow 3:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 124.644 ms
Loss rate: 63.04%

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

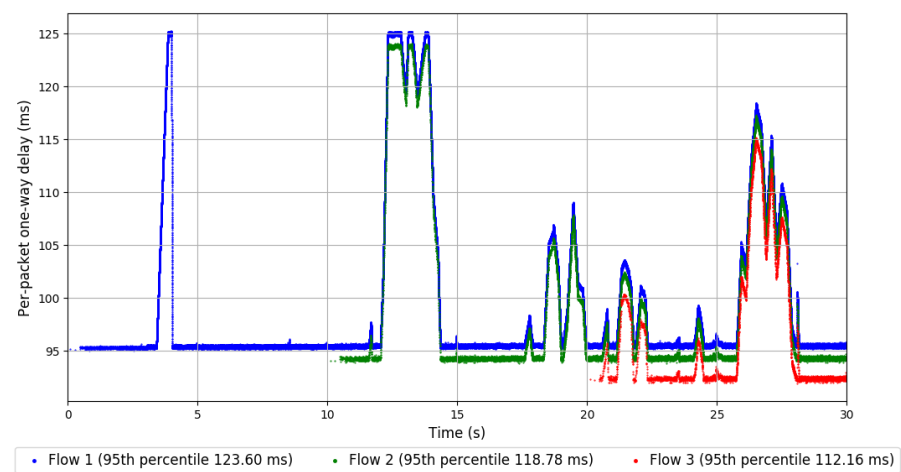
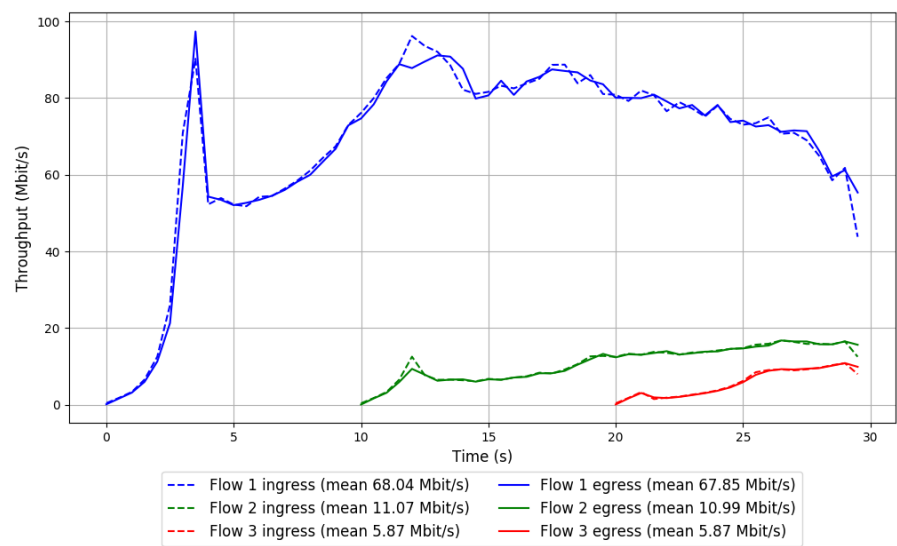


Run 1: Statistics of Vivace-latency

Start at: 2018-02-04 21:22:42
End at: 2018-02-04 21:23:12
Local clock offset: -0.116 ms
Remote clock offset: -1.624 ms

Below is generated by plot.py at 2018-02-05 02:07:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 123.126 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 123.596 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 118.782 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 112.158 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-04 21:46:34

End at: 2018-02-04 21:47:04

Local clock offset: -0.212 ms

Remote clock offset: 3.654 ms

Below is generated by plot.py at 2018-02-05 02:07:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.77 Mbit/s

95th percentile per-packet one-way delay: 123.998 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 68.65 Mbit/s

95th percentile per-packet one-way delay: 123.978 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 126.323 ms

Loss rate: 0.01%

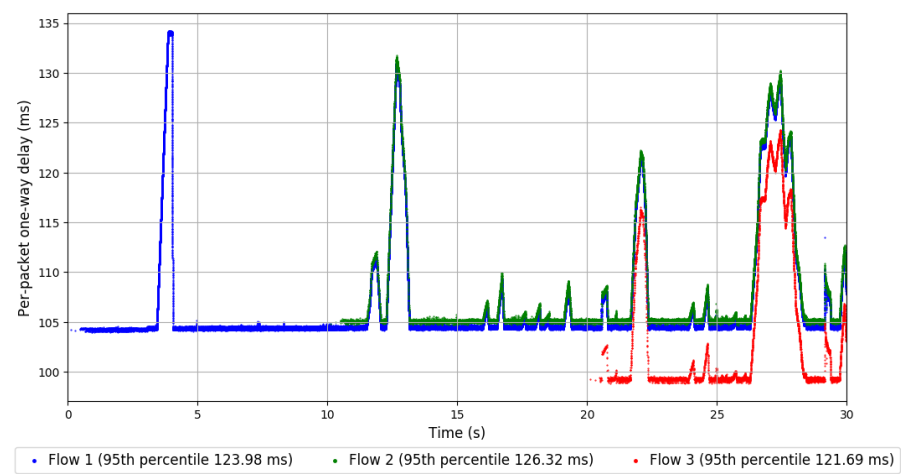
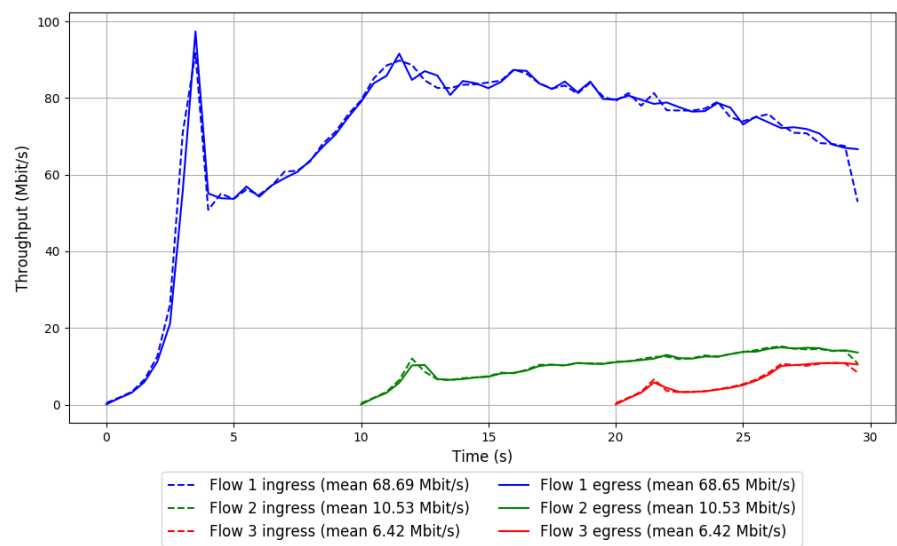
-- Flow 3:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 121.694 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-04 22:10:29

End at: 2018-02-04 22:10:59

Local clock offset: -0.161 ms

Remote clock offset: 4.236 ms

Below is generated by plot.py at 2018-02-05 02:08:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.99 Mbit/s

95th percentile per-packet one-way delay: 131.620 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 65.14 Mbit/s

95th percentile per-packet one-way delay: 131.544 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 14.32 Mbit/s

95th percentile per-packet one-way delay: 137.142 ms

Loss rate: 2.32%

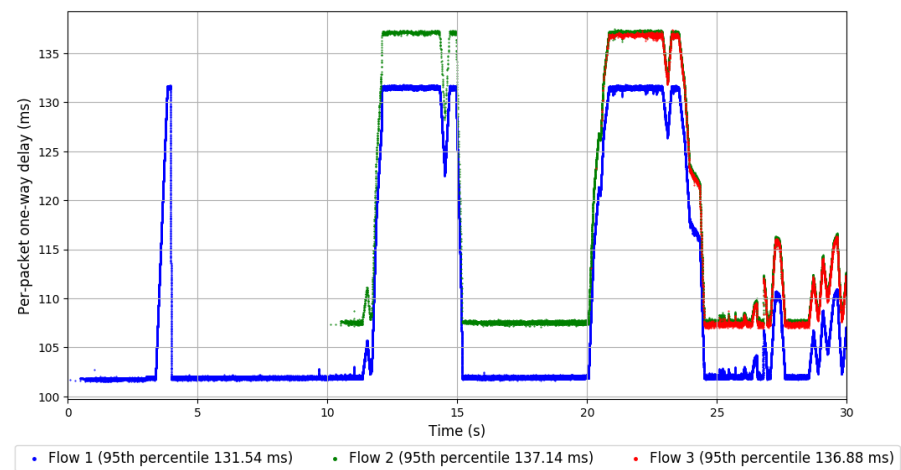
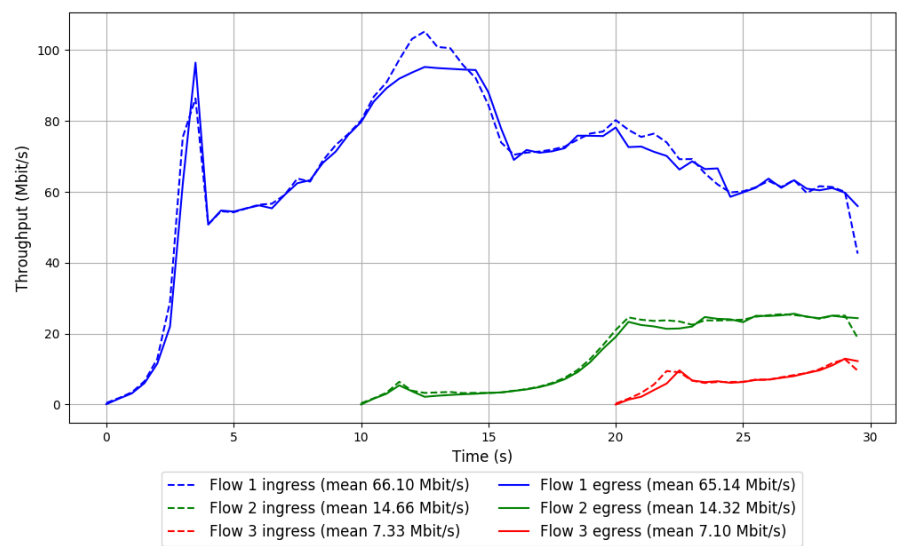
-- Flow 3:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 136.884 ms

Loss rate: 3.14%

Run 3: Report of Vivace-latency — Data Link

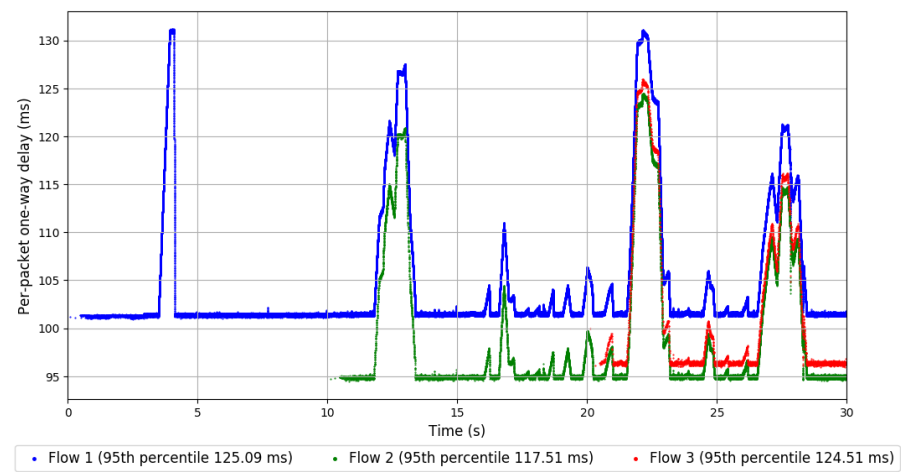
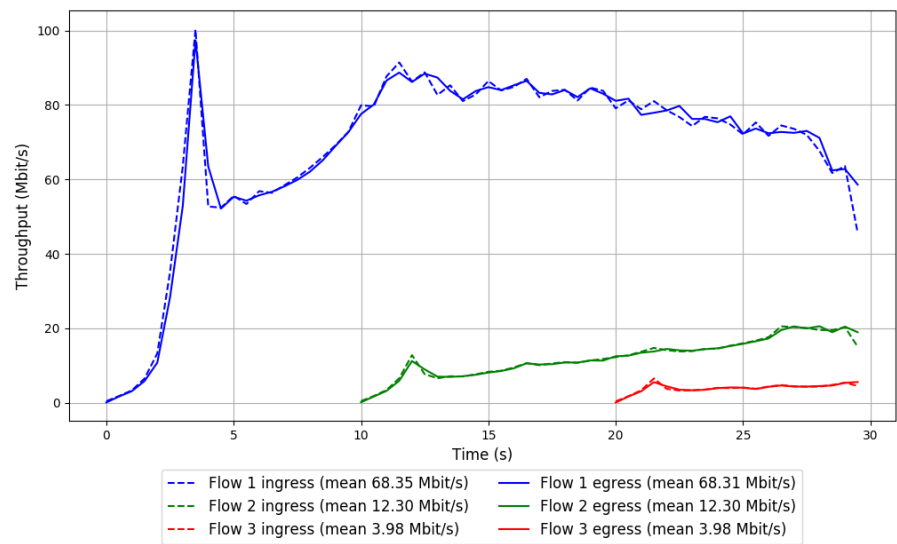


Run 4: Statistics of Vivace-latency

Start at: 2018-02-04 22:34:22
End at: 2018-02-04 22:34:52
Local clock offset: -0.206 ms
Remote clock offset: -1.772 ms

Below is generated by plot.py at 2018-02-05 02:08:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 123.944 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 125.090 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 117.513 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 124.510 ms
Loss rate: 0.09%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-04 22:58:15

End at: 2018-02-04 22:58:45

Local clock offset: -0.166 ms

Remote clock offset: 3.735 ms

Below is generated by plot.py at 2018-02-05 02:08:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 129.282 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 64.78 Mbit/s

95th percentile per-packet one-way delay: 129.240 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 15.32 Mbit/s

95th percentile per-packet one-way delay: 132.095 ms

Loss rate: 1.02%

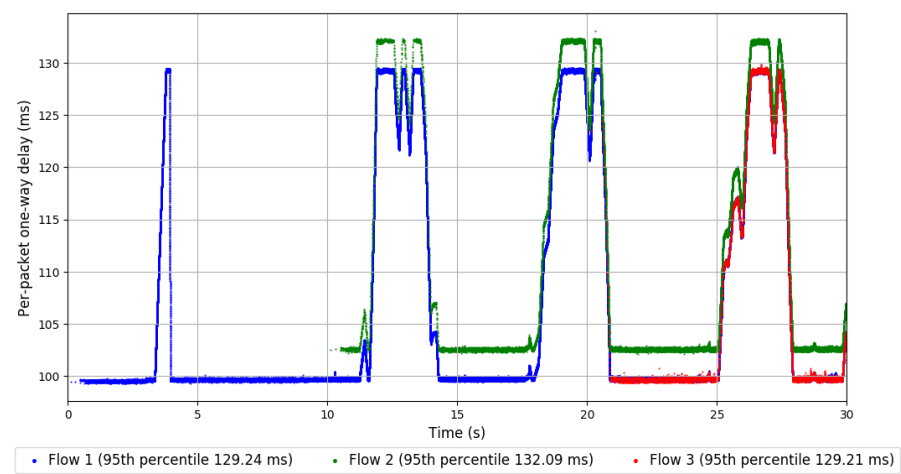
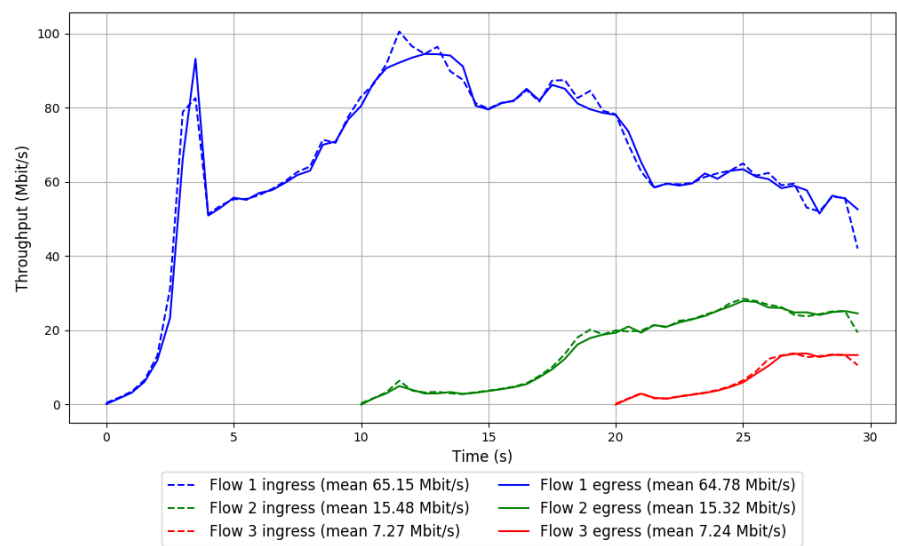
-- Flow 3:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 129.205 ms

Loss rate: 0.64%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-04 23:22:04

End at: 2018-02-04 23:22:34

Local clock offset: -0.163 ms

Remote clock offset: 4.185 ms

Below is generated by plot.py at 2018-02-05 02:08:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.79 Mbit/s

95th percentile per-packet one-way delay: 112.611 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 66.94 Mbit/s

95th percentile per-packet one-way delay: 111.905 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 11.37 Mbit/s

95th percentile per-packet one-way delay: 115.710 ms

Loss rate: 0.00%

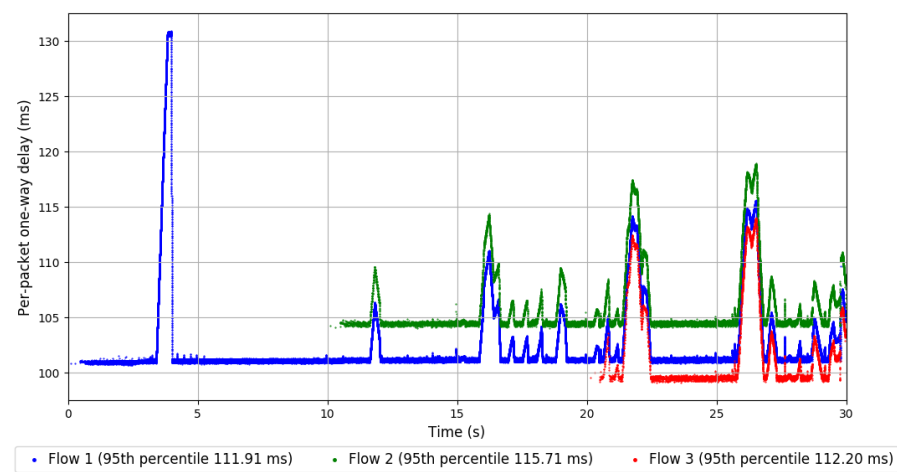
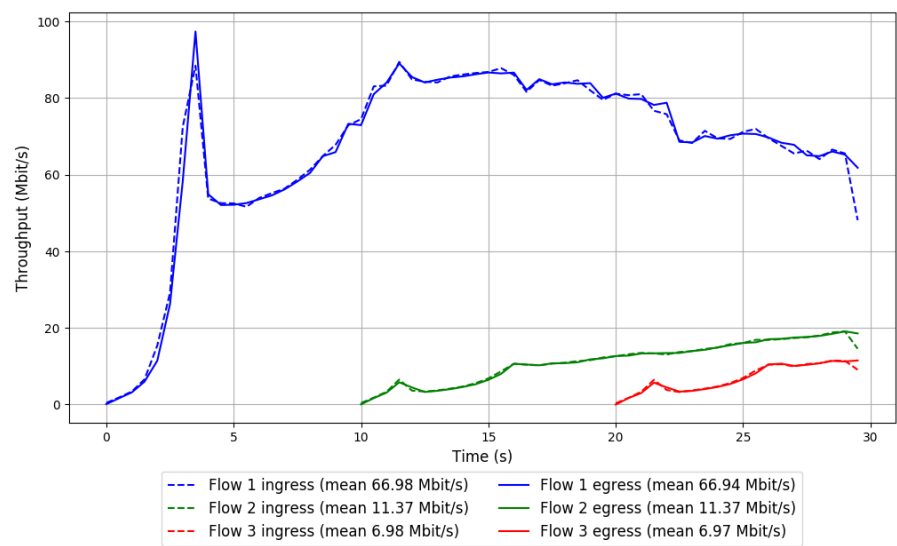
-- Flow 3:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 112.198 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

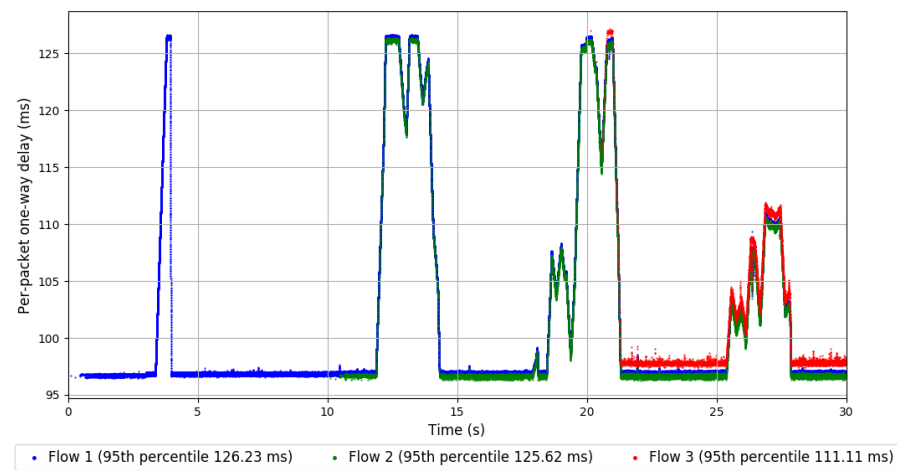
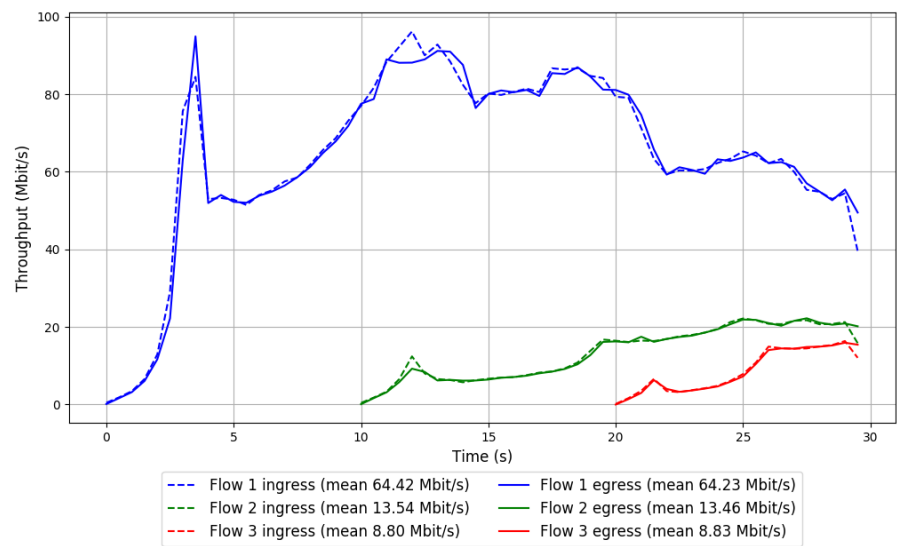


Run 7: Statistics of Vivace-latency

Start at: 2018-02-04 23:45:51
End at: 2018-02-04 23:46:21
Local clock offset: -0.111 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-02-05 02:09:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 126.082 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 126.235 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: 125.625 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 111.109 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-05 00:09:45

End at: 2018-02-05 00:10:15

Local clock offset: -0.118 ms

Remote clock offset: 4.602 ms

Below is generated by plot.py at 2018-02-05 02:09:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 131.415 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 70.07 Mbit/s

95th percentile per-packet one-way delay: 131.380 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 136.084 ms

Loss rate: 0.48%

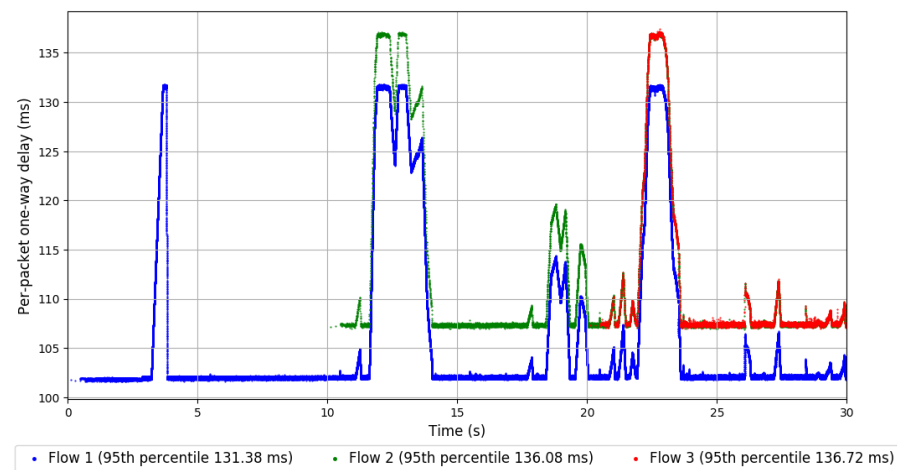
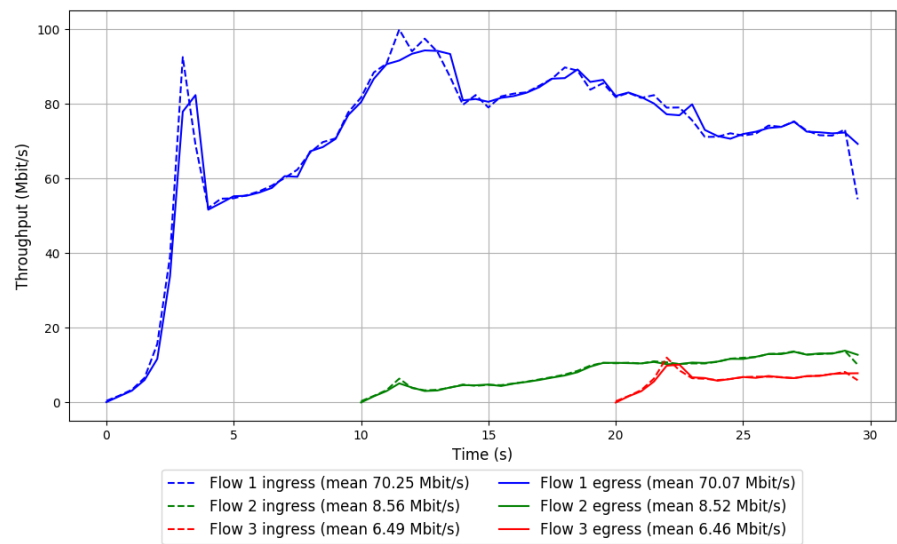
-- Flow 3:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 136.722 ms

Loss rate: 0.45%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-05 00:33:33

End at: 2018-02-05 00:34:03

Local clock offset: -0.155 ms

Remote clock offset: 3.164 ms

Below is generated by plot.py at 2018-02-05 02:09:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 128.619 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 68.32 Mbit/s

95th percentile per-packet one-way delay: 128.604 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 129.180 ms

Loss rate: 0.94%

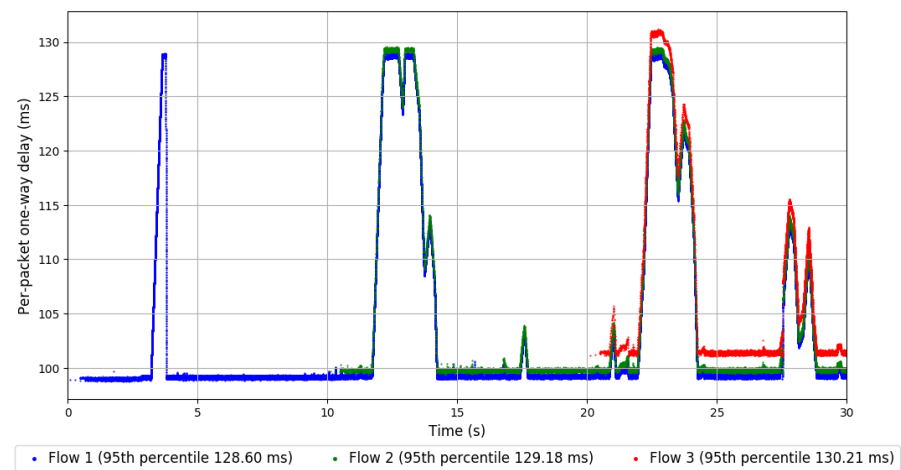
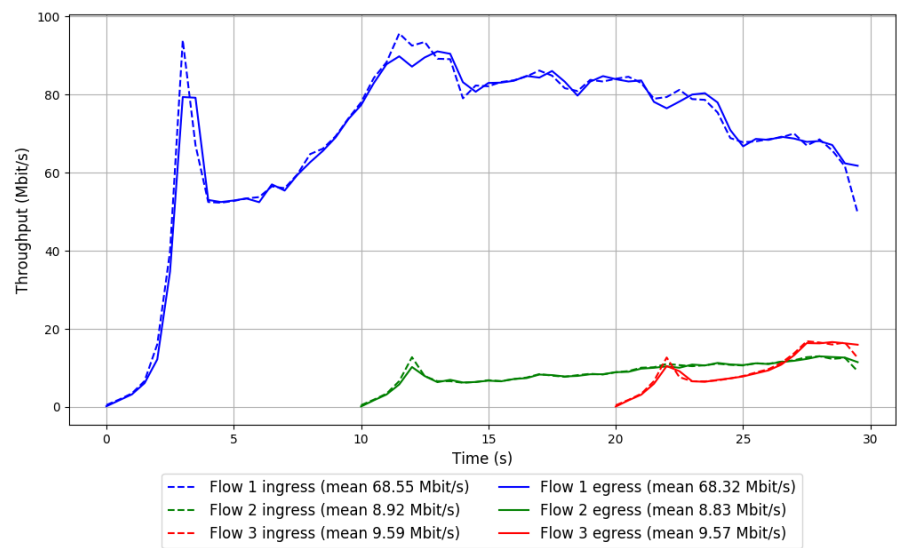
-- Flow 3:

Average throughput: 9.57 Mbit/s

95th percentile per-packet one-way delay: 130.213 ms

Loss rate: 0.25%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-05 00:57:22

End at: 2018-02-05 00:57:52

Local clock offset: -0.109 ms

Remote clock offset: -3.03 ms

Below is generated by plot.py at 2018-02-05 02:09:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.86 Mbit/s

95th percentile per-packet one-way delay: 124.707 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 124.664 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 130.373 ms

Loss rate: 0.57%

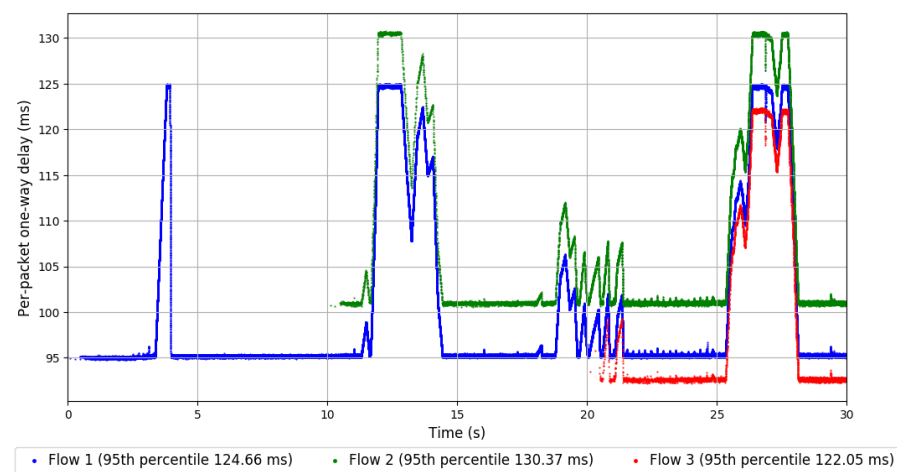
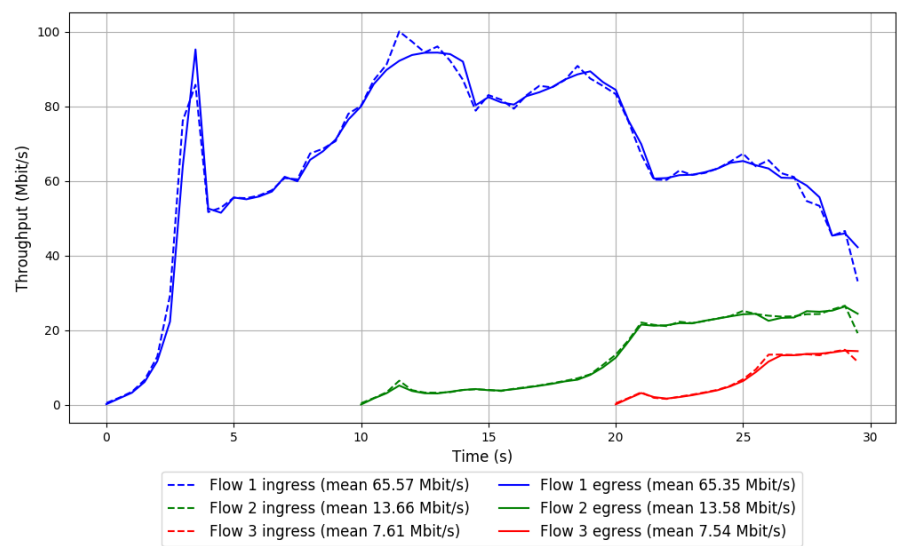
-- Flow 3:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 122.052 ms

Loss rate: 0.84%

Run 10: Report of Vivace-latency — Data Link

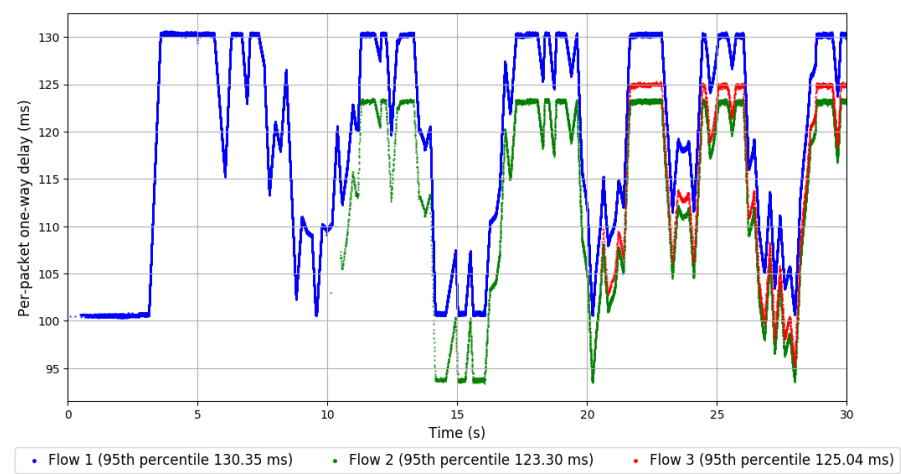
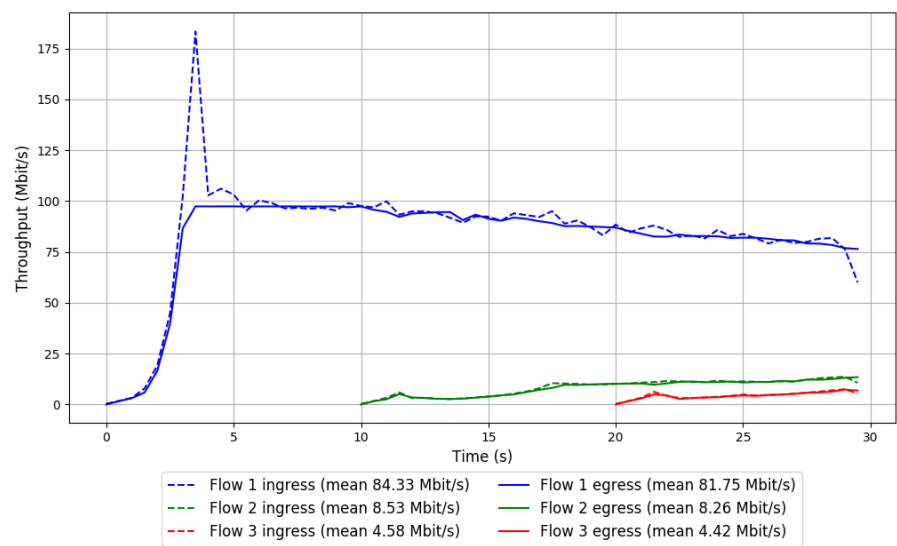


Run 1: Statistics of Vivace-loss

Start at: 2018-02-04 21:26:40
End at: 2018-02-04 21:27:10
Local clock offset: -0.125 ms
Remote clock offset: -1.673 ms

Below is generated by plot.py at 2018-02-05 02:09:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 130.343 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 81.75 Mbit/s
95th percentile per-packet one-way delay: 130.348 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 123.302 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 125.037 ms
Loss rate: 3.32%

Run 1: Report of Vivace-loss — Data Link

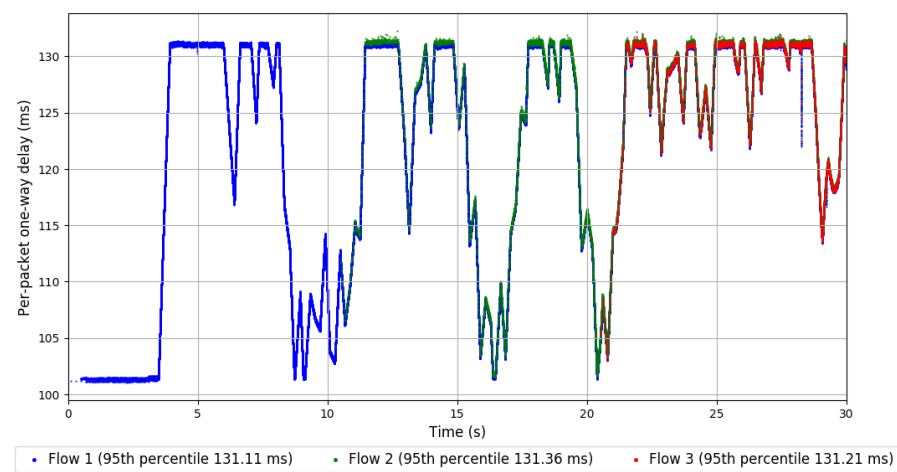
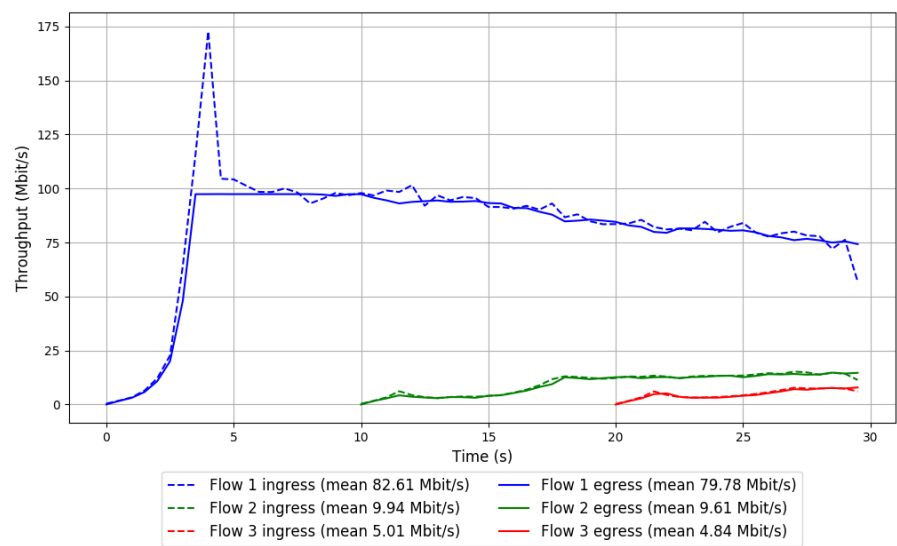


Run 2: Statistics of Vivace-loss

Start at: 2018-02-04 21:50:33
End at: 2018-02-04 21:51:03
Local clock offset: -0.157 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2018-02-05 02:09:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 131.133 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 131.107 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 131.364 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 131.210 ms
Loss rate: 3.27%

Run 2: Report of Vivace-loss — Data Link

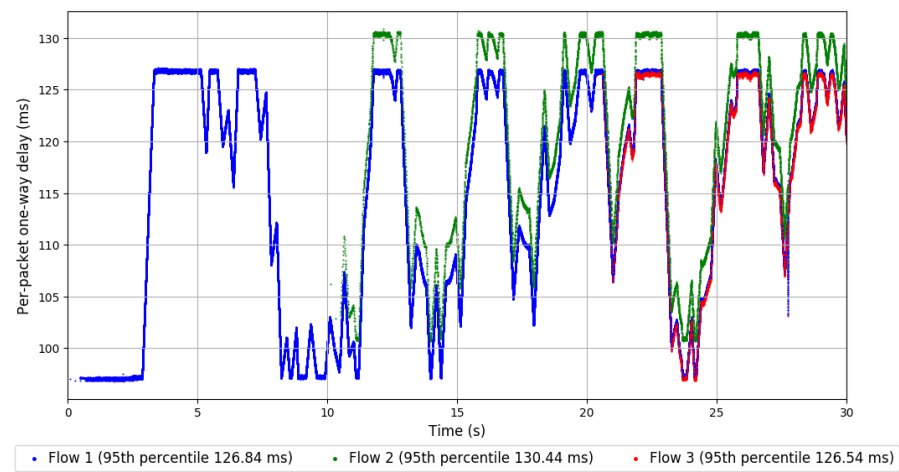
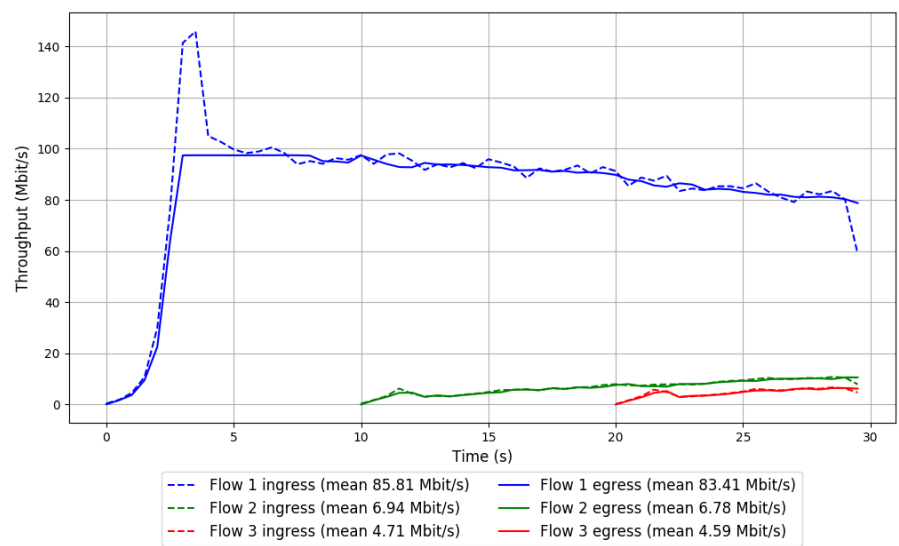


Run 3: Statistics of Vivace-loss

Start at: 2018-02-04 22:14:29
End at: 2018-02-04 22:14:59
Local clock offset: -0.212 ms
Remote clock offset: -2.256 ms

Below is generated by plot.py at 2018-02-05 02:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 126.867 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 83.41 Mbit/s
95th percentile per-packet one-way delay: 126.840 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 130.438 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 126.538 ms
Loss rate: 2.65%

Run 3: Report of Vivace-loss — Data Link

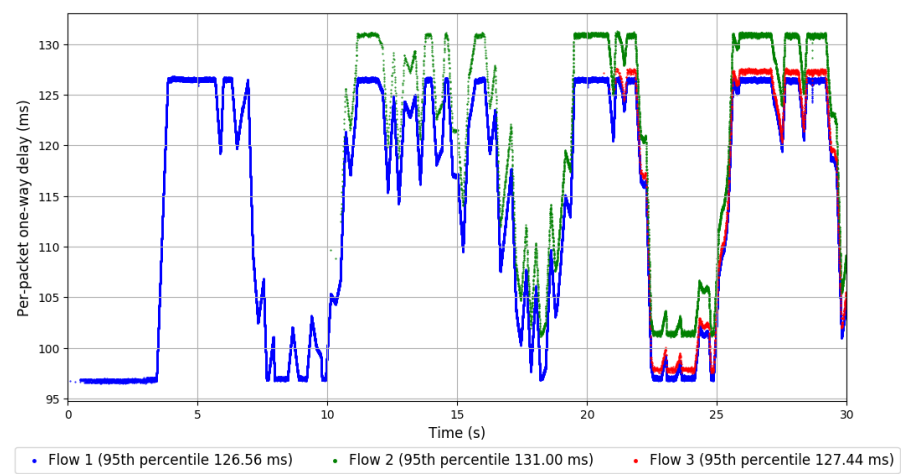
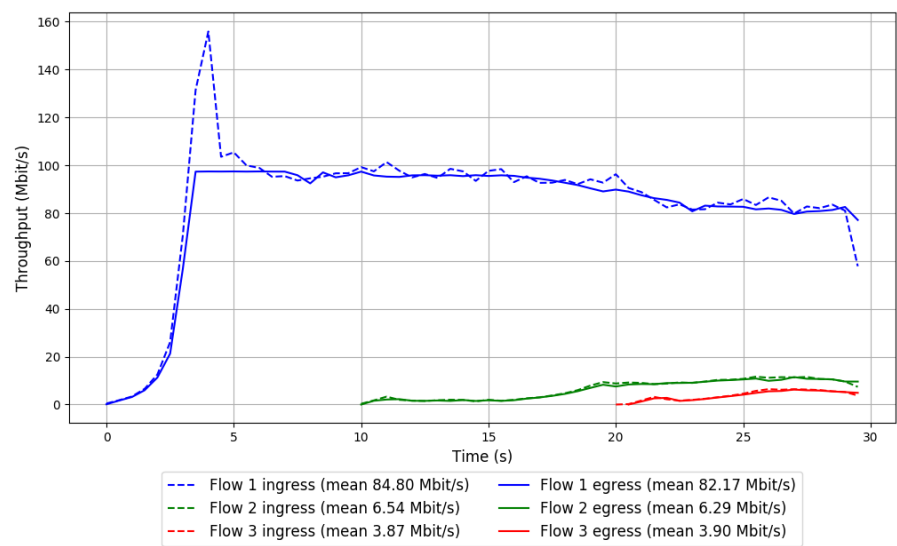


Run 4: Statistics of Vivace-loss

Start at: 2018-02-04 22:38:20
End at: 2018-02-04 22:38:50
Local clock offset: -0.143 ms
Remote clock offset: -1.728 ms

Below is generated by plot.py at 2018-02-05 02:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 126.610 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 126.564 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 131.003 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 127.441 ms
Loss rate: 4.69%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-04 23:02:14

End at: 2018-02-04 23:02:44

Local clock offset: -0.185 ms

Remote clock offset: 3.034 ms

Below is generated by plot.py at 2018-02-05 02:10:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 130.079 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 82.75 Mbit/s

95th percentile per-packet one-way delay: 130.040 ms

Loss rate: 2.86%

-- Flow 2:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 134.790 ms

Loss rate: 2.68%

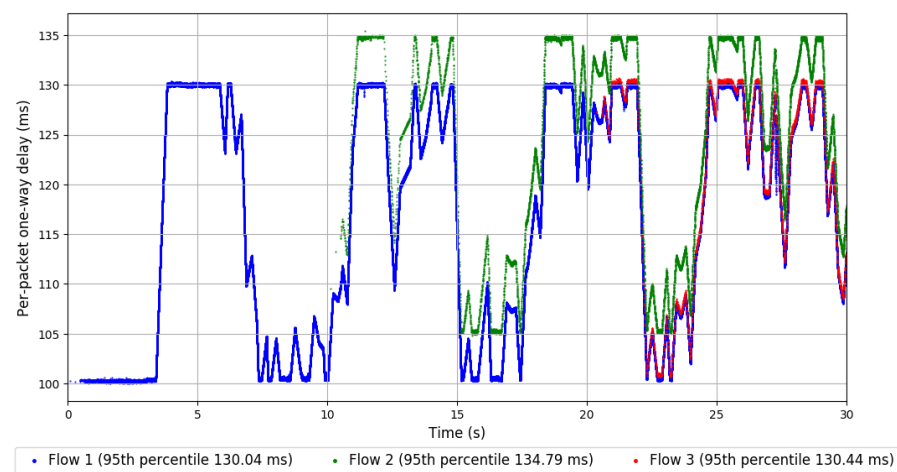
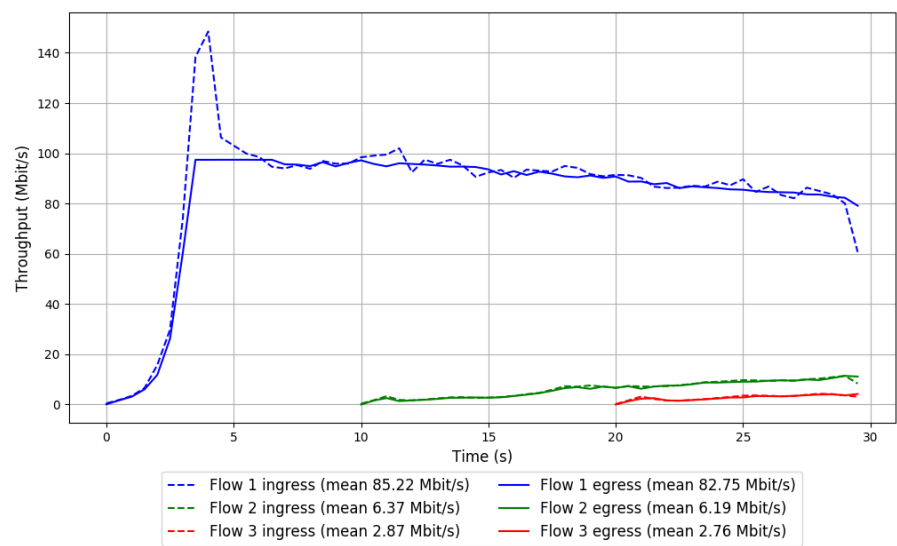
-- Flow 3:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 130.441 ms

Loss rate: 3.94%

Run 5: Report of Vivace-loss — Data Link

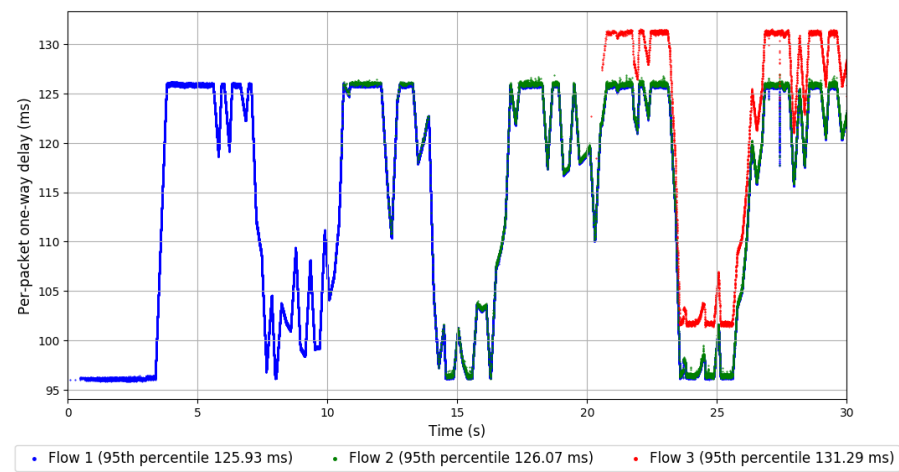
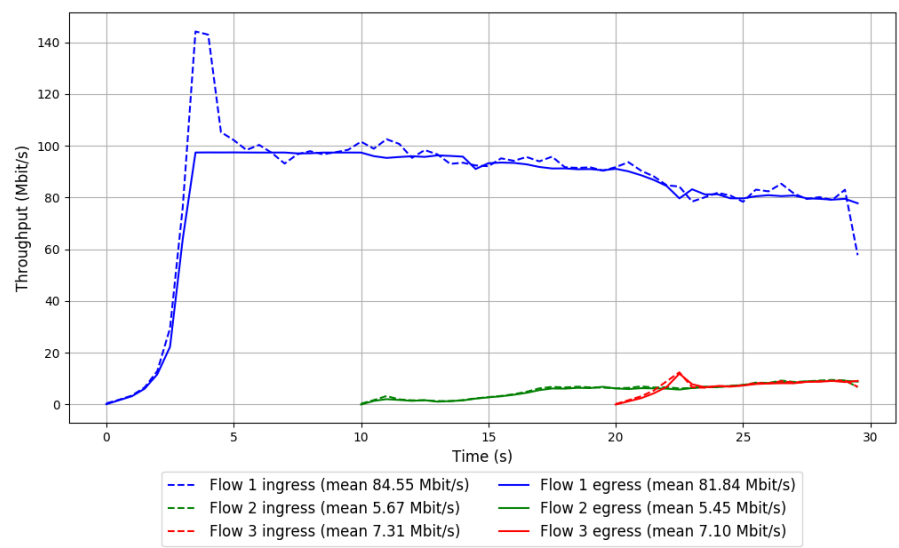


Run 6: Statistics of Vivace-loss

Start at: 2018-02-04 23:26:02
End at: 2018-02-04 23:26:32
Local clock offset: -0.251 ms
Remote clock offset: -0.638 ms

Below is generated by plot.py at 2018-02-05 02:10:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 125.953 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 81.84 Mbit/s
95th percentile per-packet one-way delay: 125.927 ms
Loss rate: 3.12%
-- Flow 2:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 126.074 ms
Loss rate: 3.84%
-- Flow 3:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 131.294 ms
Loss rate: 2.89%

Run 6: Report of Vivace-loss — Data Link

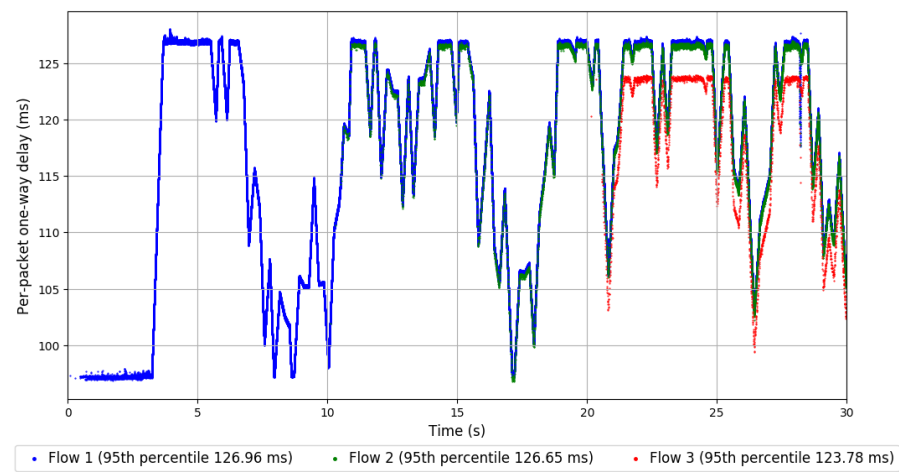
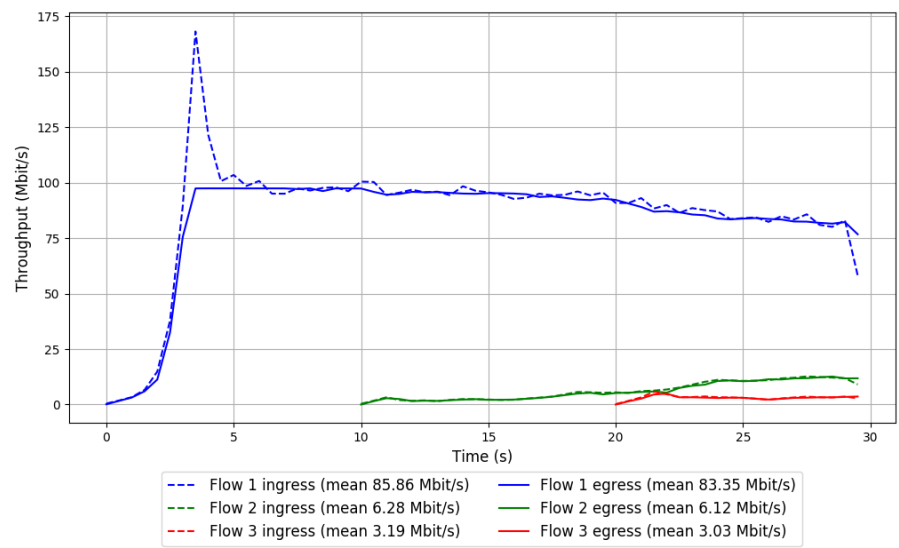


Run 7: Statistics of Vivace-loss

Start at: 2018-02-04 23:49:50
End at: 2018-02-04 23:50:20
Local clock offset: -0.206 ms
Remote clock offset: -1.252 ms

Below is generated by plot.py at 2018-02-05 02:10:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 126.953 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 126.957 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 126.653 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 123.782 ms
Loss rate: 5.11%

Run 7: Report of Vivace-loss — Data Link

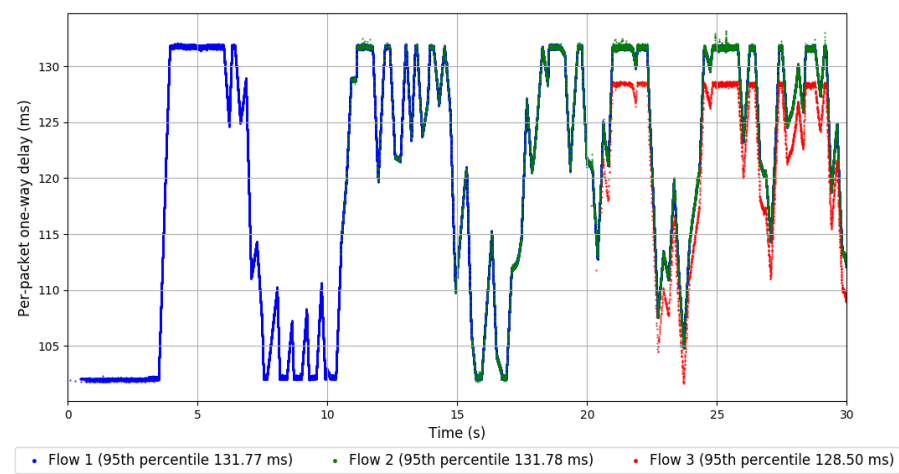
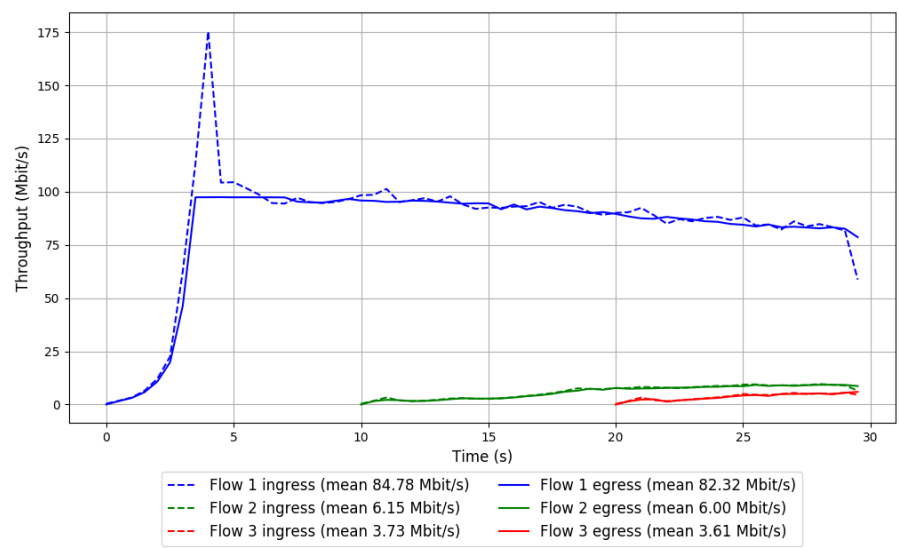


Run 8: Statistics of Vivace-loss

Start at: 2018-02-05 00:13:42
End at: 2018-02-05 00:14:12
Local clock offset: -0.165 ms
Remote clock offset: -2.026 ms

Below is generated by plot.py at 2018-02-05 02:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 131.766 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 131.767 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 6.00 Mbit/s
95th percentile per-packet one-way delay: 131.782 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 128.496 ms
Loss rate: 3.39%

Run 8: Report of Vivace-loss — Data Link

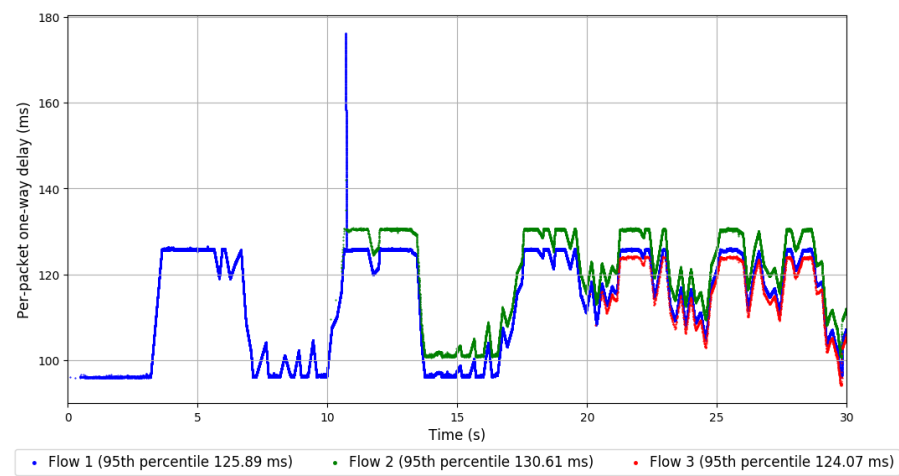
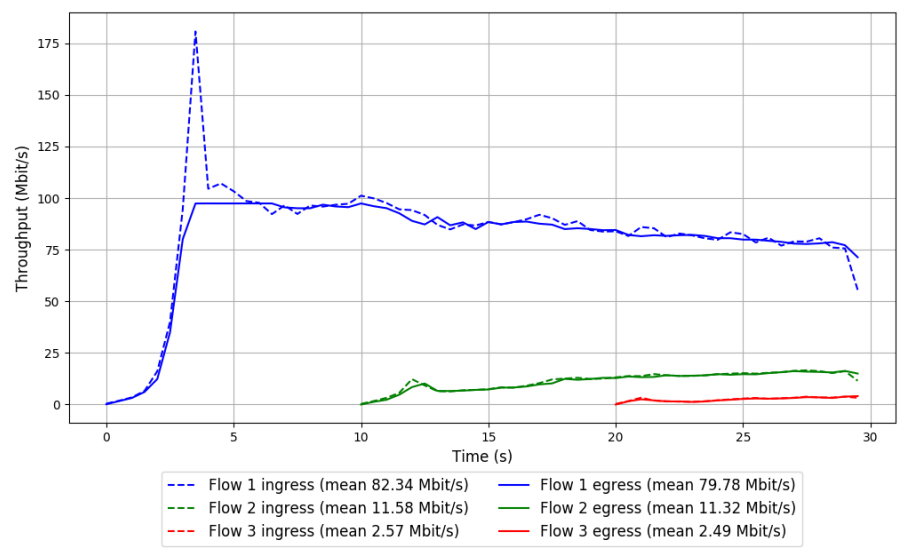


Run 9: Statistics of Vivace-loss

Start at: 2018-02-05 00:37:31
End at: 2018-02-05 00:38:01
Local clock offset: -0.118 ms
Remote clock offset: -1.793 ms

Below is generated by plot.py at 2018-02-05 02:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 125.974 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 125.895 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 130.613 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 124.069 ms
Loss rate: 3.25%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-05 01:01:21

End at: 2018-02-05 01:01:51

Local clock offset: -0.185 ms

Remote clock offset: 2.614 ms

Below is generated by plot.py at 2018-02-05 02:11:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 134.692 ms

Loss rate: 3.13%

-- Flow 1:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 134.697 ms

Loss rate: 3.10%

-- Flow 2:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 127.752 ms

Loss rate: 3.06%

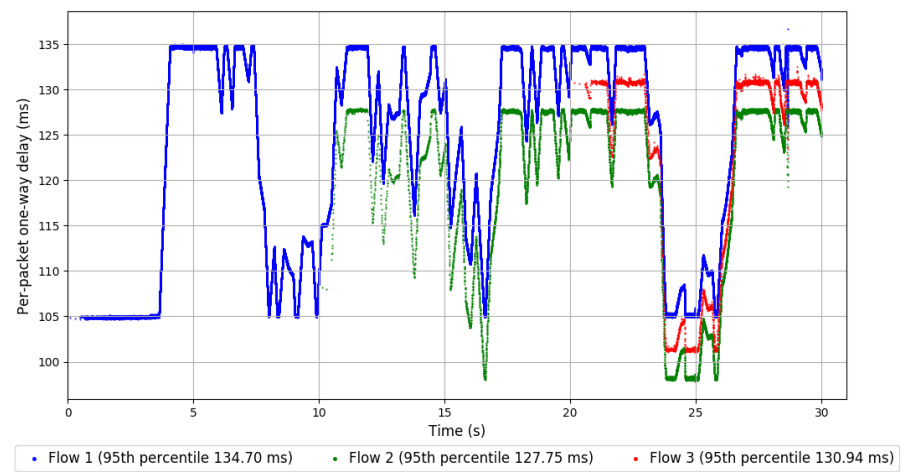
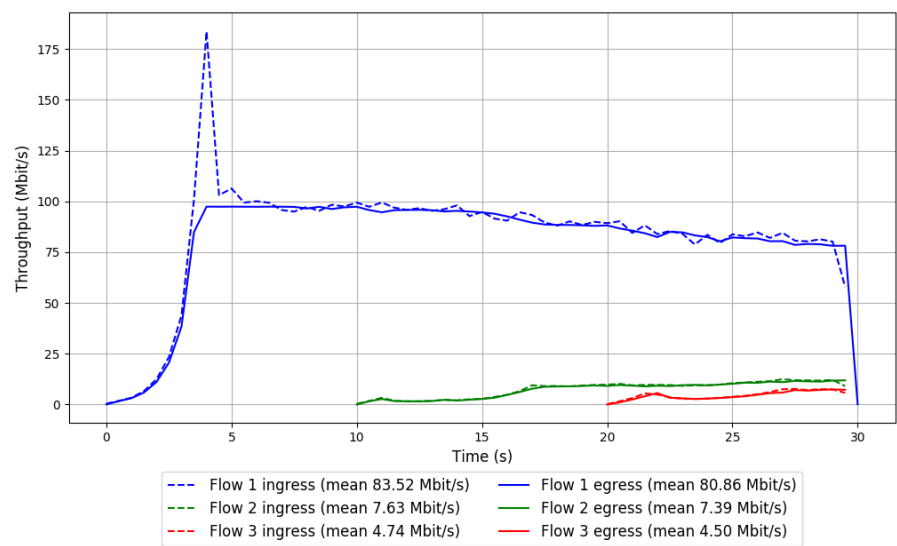
-- Flow 3:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 130.942 ms

Loss rate: 5.07%

Run 10: Report of Vivace-loss — Data Link

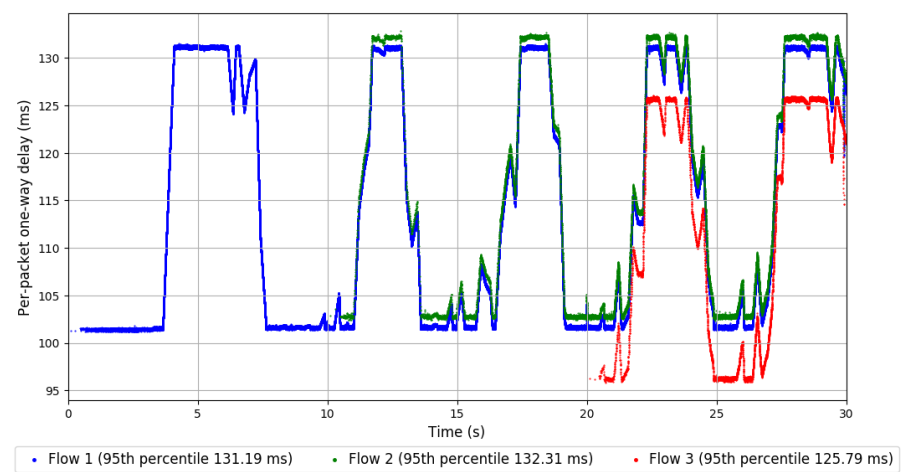
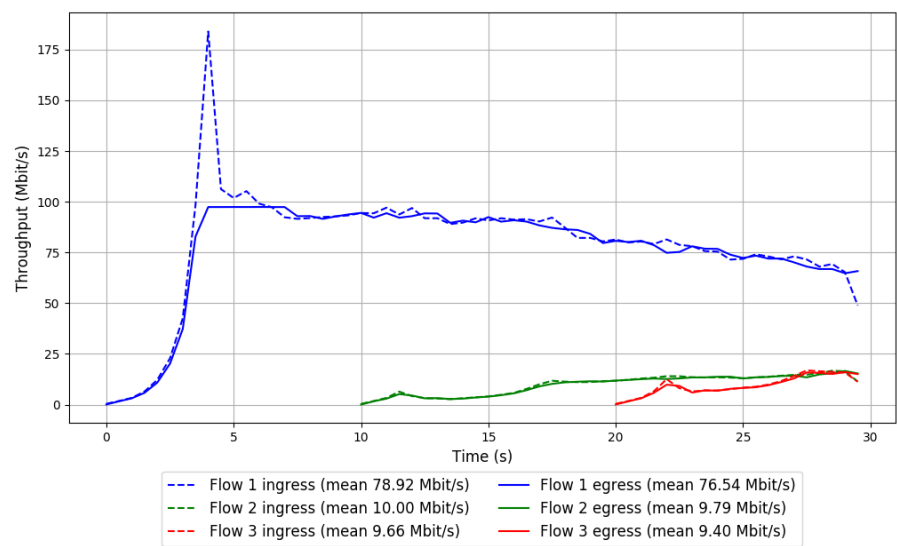


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-04 21:41:16
End at: 2018-02-04 21:41:46
Local clock offset: -0.125 ms
Remote clock offset: -1.081 ms

Below is generated by plot.py at 2018-02-05 02:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 131.218 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 131.188 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 132.308 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 125.794 ms
Loss rate: 2.47%

Run 1: Report of Vivace-LTE — Data Link

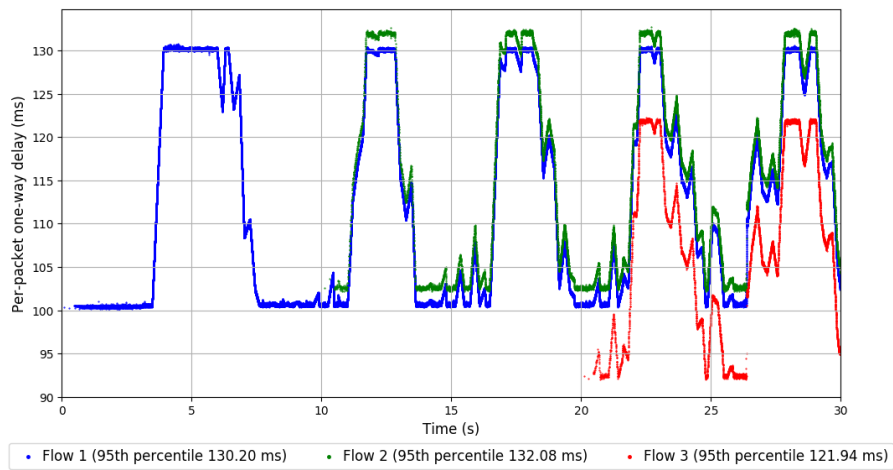
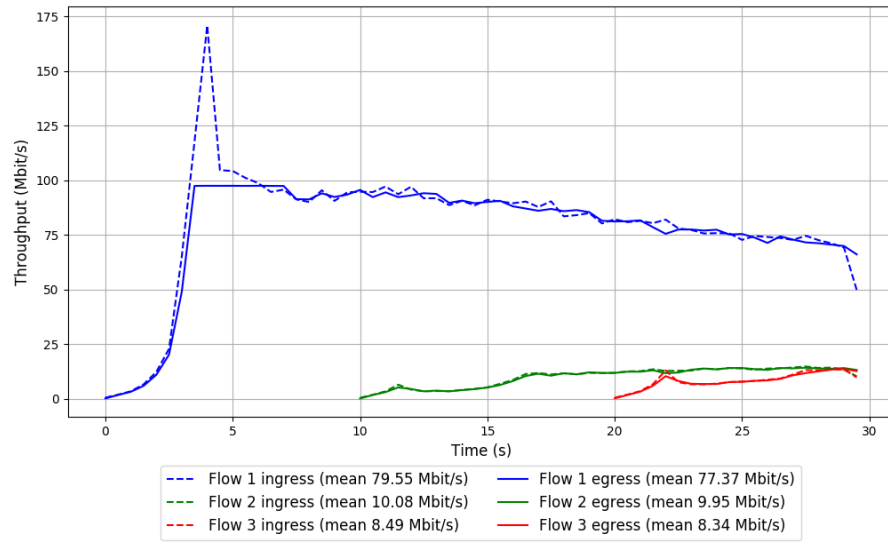


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-04 22:05:11
End at: 2018-02-04 22:05:41
Local clock offset: -0.149 ms
Remote clock offset: -2.125 ms

Below is generated by plot.py at 2018-02-05 02:11:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 130.223 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 130.203 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 132.077 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 121.936 ms
Loss rate: 1.77%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-04 22:29:05

End at: 2018-02-04 22:29:35

Local clock offset: -0.209 ms

Remote clock offset: 3.207 ms

Below is generated by plot.py at 2018-02-05 02:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 129.603 ms

Loss rate: 2.88%

-- Flow 1:

Average throughput: 72.99 Mbit/s

95th percentile per-packet one-way delay: 129.363 ms

Loss rate: 3.06%

-- Flow 2:

Average throughput: 14.64 Mbit/s

95th percentile per-packet one-way delay: 132.281 ms

Loss rate: 1.90%

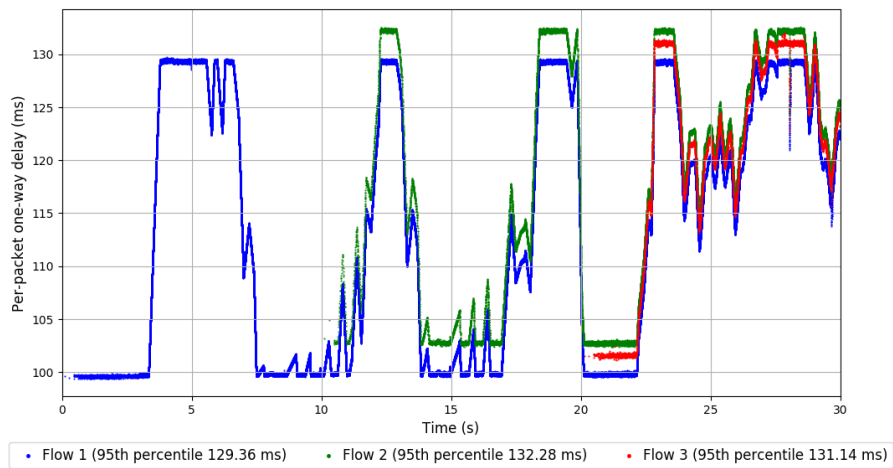
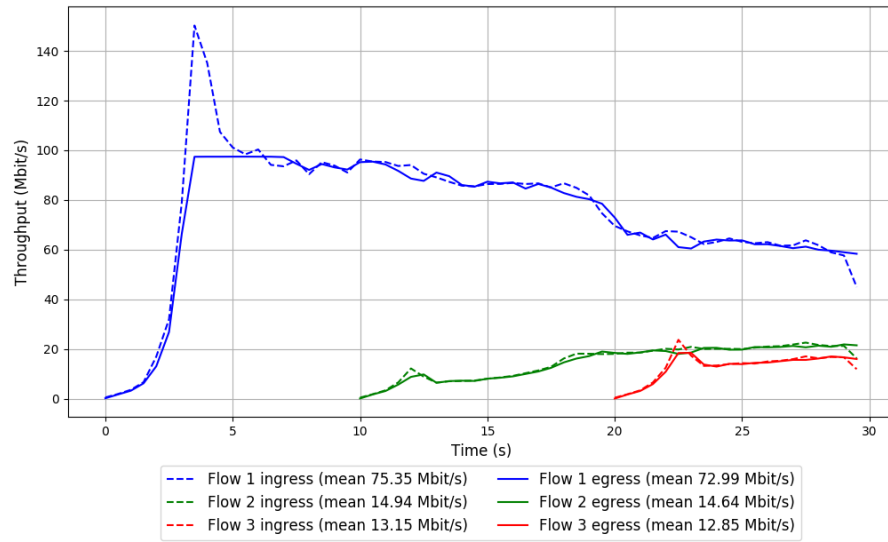
-- Flow 3:

Average throughput: 12.85 Mbit/s

95th percentile per-packet one-way delay: 131.139 ms

Loss rate: 2.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-04 22:52:57

End at: 2018-02-04 22:53:27

Local clock offset: -0.218 ms

Remote clock offset: 4.417 ms

Below is generated by plot.py at 2018-02-05 02:11:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.13 Mbit/s

95th percentile per-packet one-way delay: 130.341 ms

Loss rate: 3.06%

-- Flow 1:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 130.250 ms

Loss rate: 3.14%

-- Flow 2:

Average throughput: 12.44 Mbit/s

95th percentile per-packet one-way delay: 136.795 ms

Loss rate: 2.40%

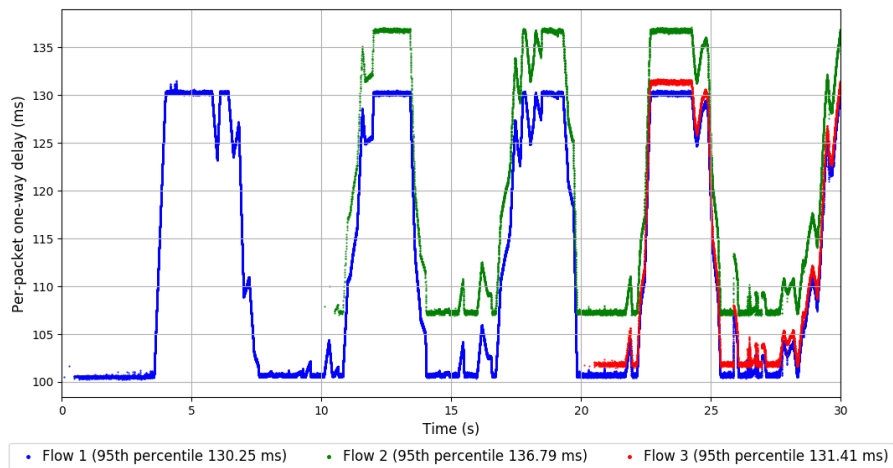
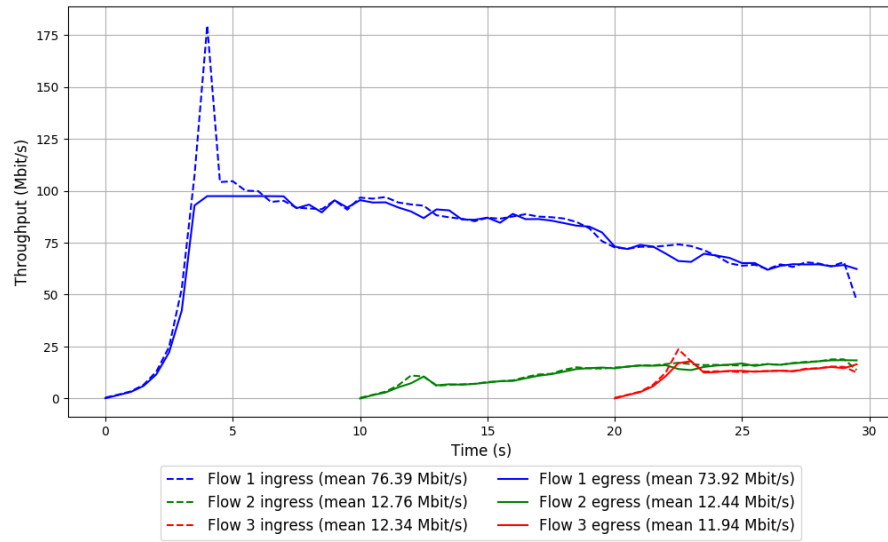
-- Flow 3:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 131.408 ms

Loss rate: 2.95%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-04 23:16:47

End at: 2018-02-04 23:17:17

Local clock offset: -0.203 ms

Remote clock offset: 3.296 ms

Below is generated by plot.py at 2018-02-05 02:11:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 129.674 ms

Loss rate: 3.01%

-- Flow 1:

Average throughput: 74.45 Mbit/s

95th percentile per-packet one-way delay: 129.685 ms

Loss rate: 3.08%

-- Flow 2:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 128.480 ms

Loss rate: 2.44%

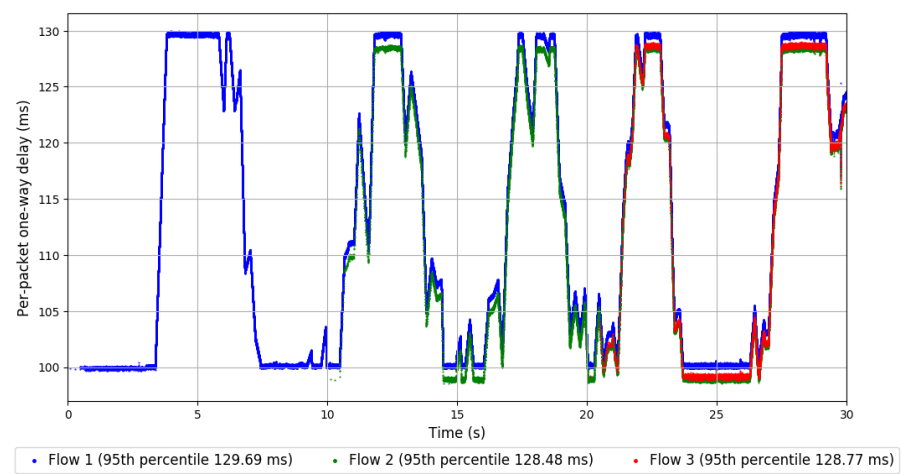
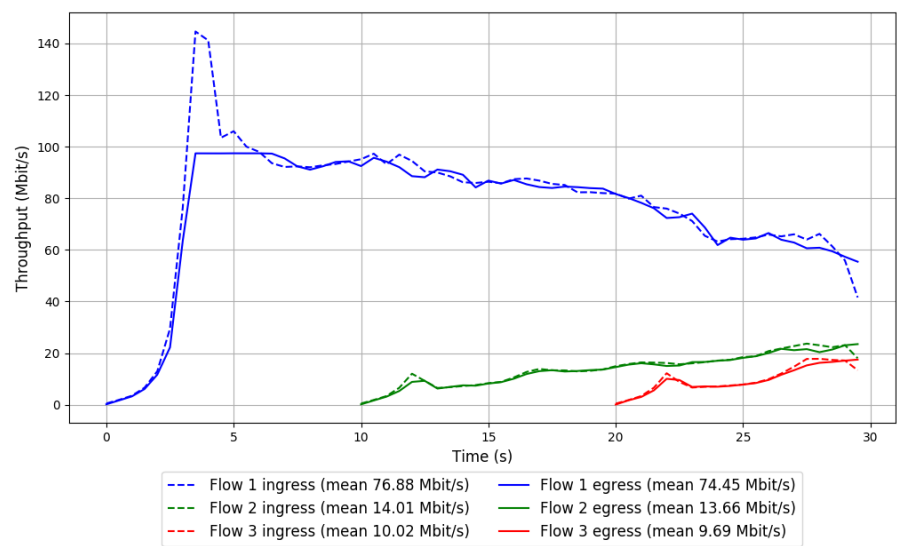
-- Flow 3:

Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 128.773 ms

Loss rate: 3.12%

Run 5: Report of Vivace-LTE — Data Link

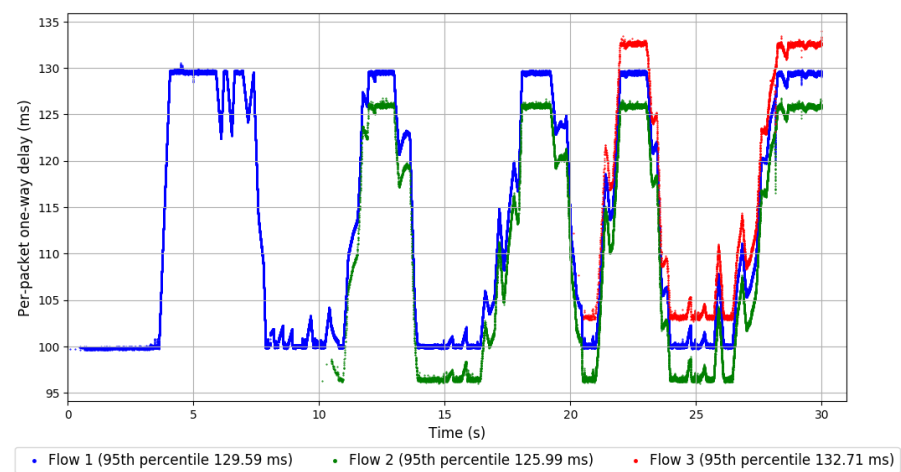
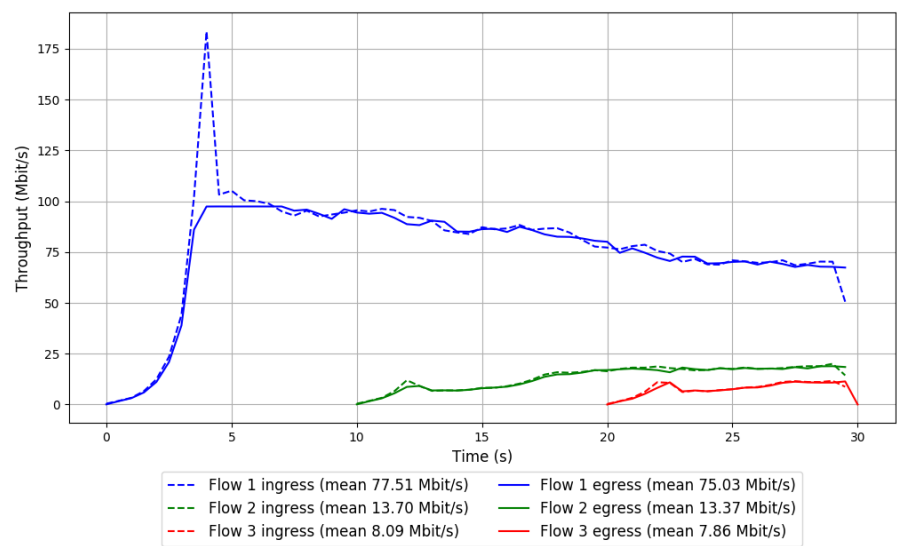


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-04 23:40:32
End at: 2018-02-04 23:41:02
Local clock offset: -0.12 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-02-05 02:11:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 129.593 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 129.585 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 125.991 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 132.708 ms
Loss rate: 2.63%

Run 6: Report of Vivace-LTE — Data Link

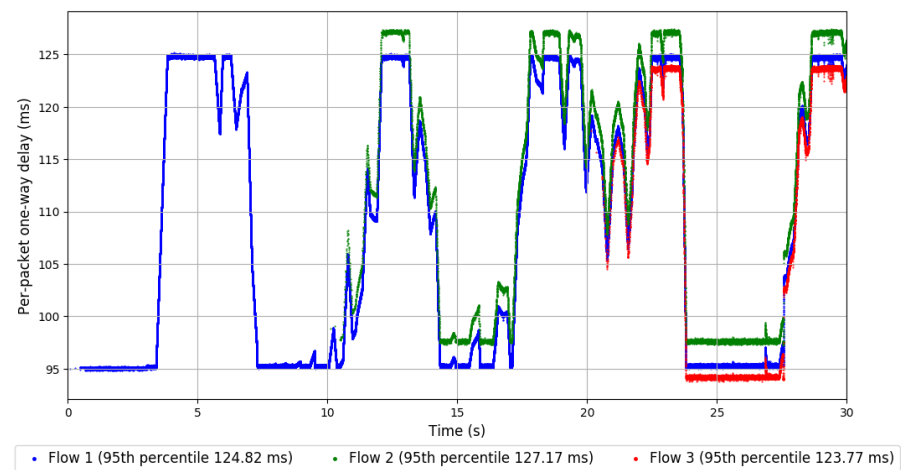
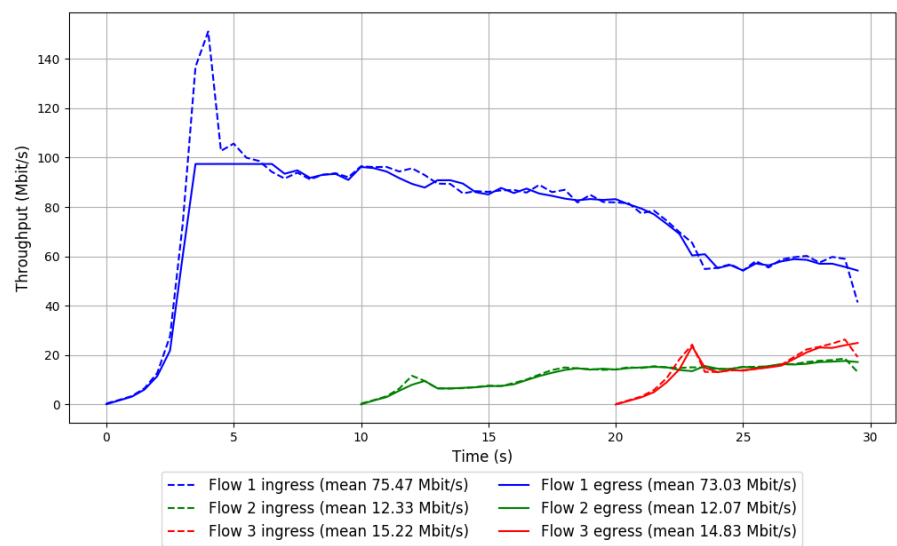


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-05 00:04:26
End at: 2018-02-05 00:04:56
Local clock offset: -0.122 ms
Remote clock offset: -1.727 ms

Below is generated by plot.py at 2018-02-05 02:12:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 124.864 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 73.03 Mbit/s
95th percentile per-packet one-way delay: 124.824 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 127.170 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 123.772 ms
Loss rate: 2.53%

Run 7: Report of Vivace-LTE — Data Link

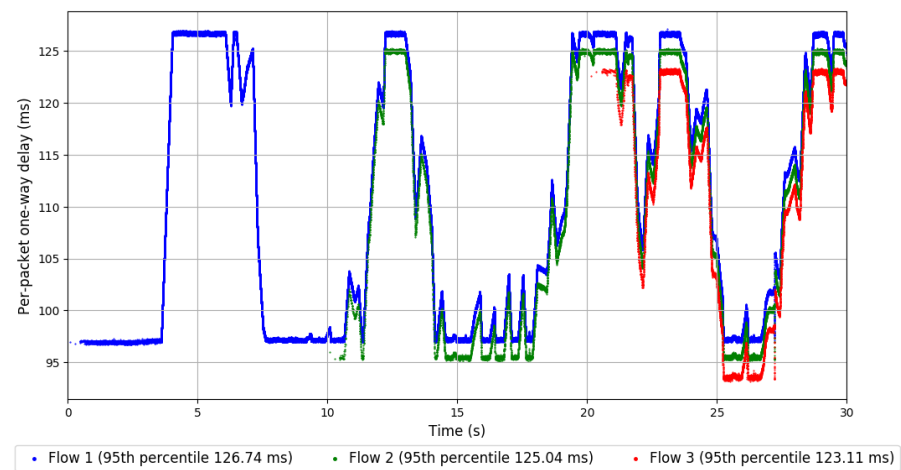
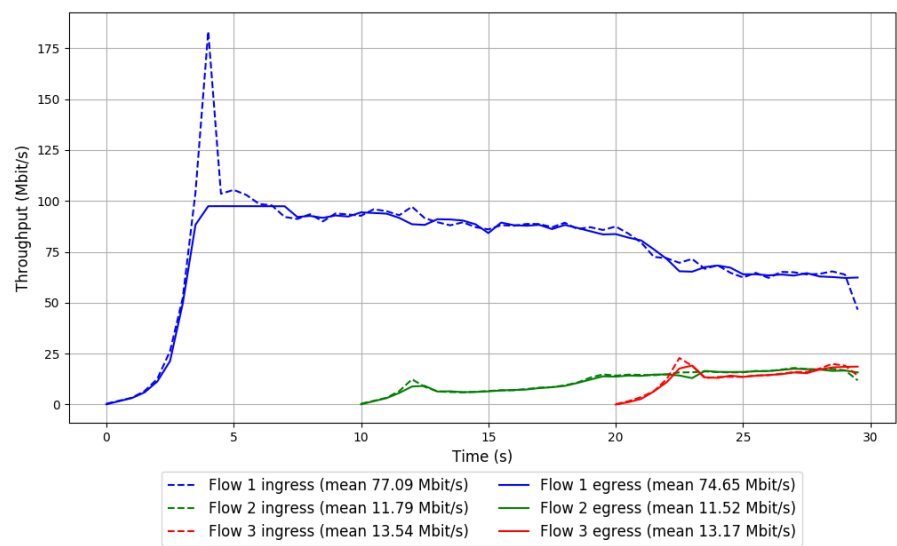


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-05 00:28:16
End at: 2018-02-05 00:28:46
Local clock offset: -0.156 ms
Remote clock offset: -2.412 ms

Below is generated by plot.py at 2018-02-05 02:12:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 126.733 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 74.65 Mbit/s
95th percentile per-packet one-way delay: 126.744 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 125.037 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 123.110 ms
Loss rate: 2.71%

Run 8: Report of Vivace-LTE — Data Link

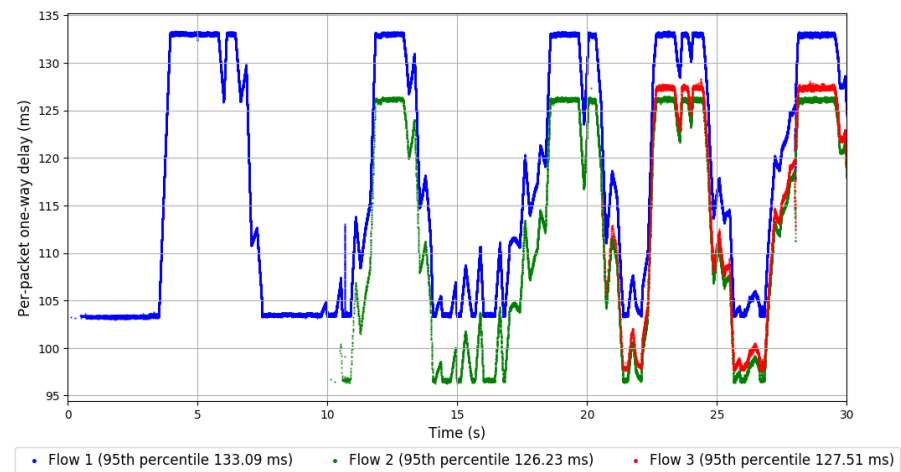
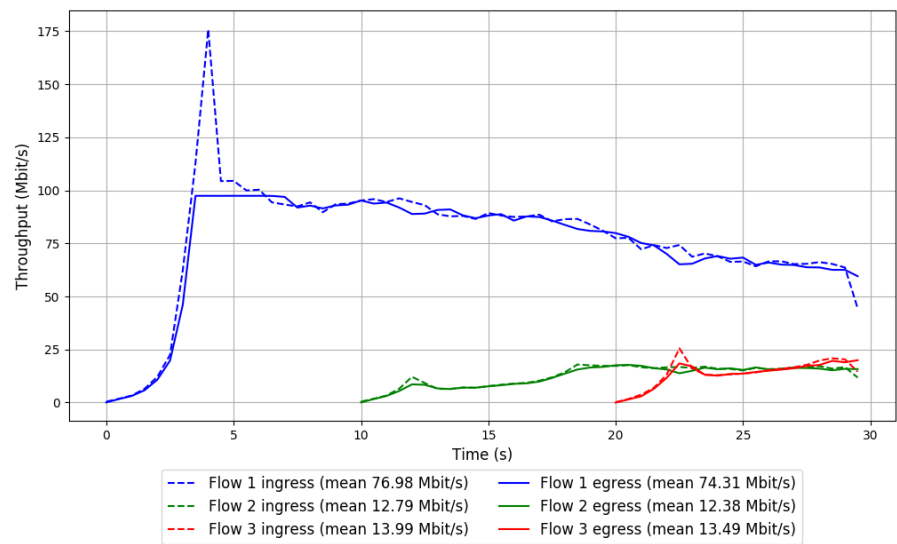


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-05 00:52:03
End at: 2018-02-05 00:52:33
Local clock offset: -0.112 ms
Remote clock offset: -1.986 ms

Below is generated by plot.py at 2018-02-05 02:12:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 133.078 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 74.31 Mbit/s
95th percentile per-packet one-way delay: 133.090 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 126.232 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 127.507 ms
Loss rate: 3.63%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-05 01:15:55

End at: 2018-02-05 01:16:25

Local clock offset: -0.176 ms

Remote clock offset: 2.79 ms

Below is generated by plot.py at 2018-02-05 02:12:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 129.071 ms

Loss rate: 2.80%

-- Flow 1:

Average throughput: 79.38 Mbit/s

95th percentile per-packet one-way delay: 129.022 ms

Loss rate: 2.80%

-- Flow 2:

Average throughput: 8.24 Mbit/s

95th percentile per-packet one-way delay: 130.463 ms

Loss rate: 2.24%

-- Flow 3:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 133.053 ms

Loss rate: 3.69%

Run 10: Report of Vivace-LTE — Data Link

