

Pantheon Report

Generated at 2018-04-04 01:56:08 (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).

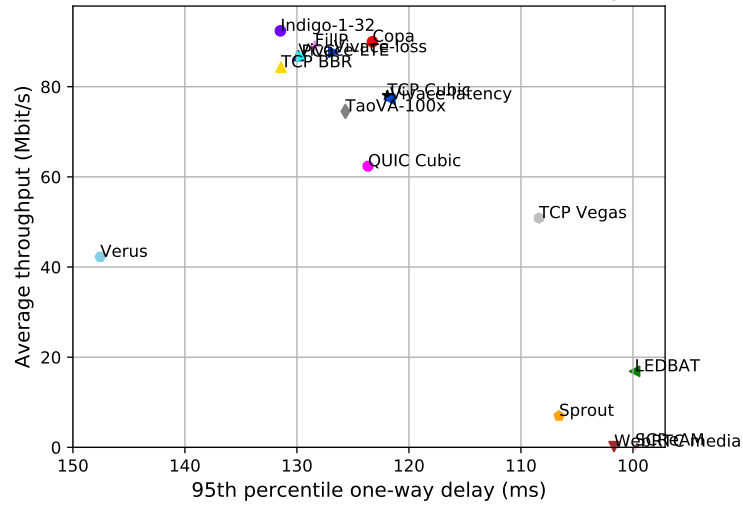
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

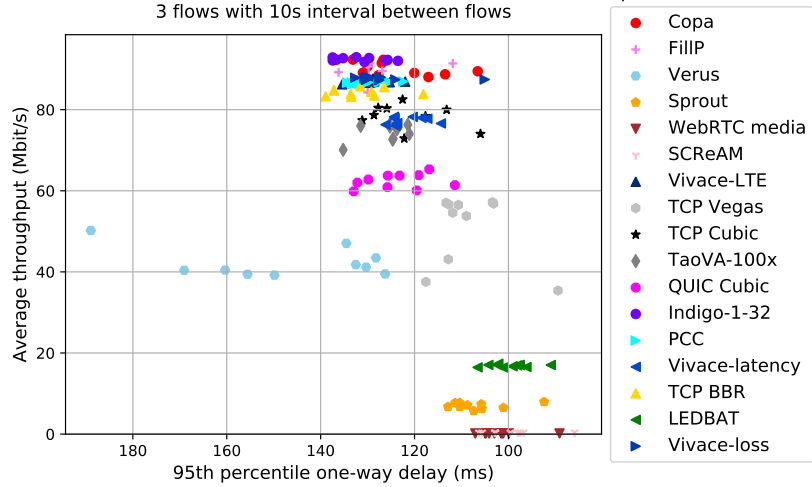
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



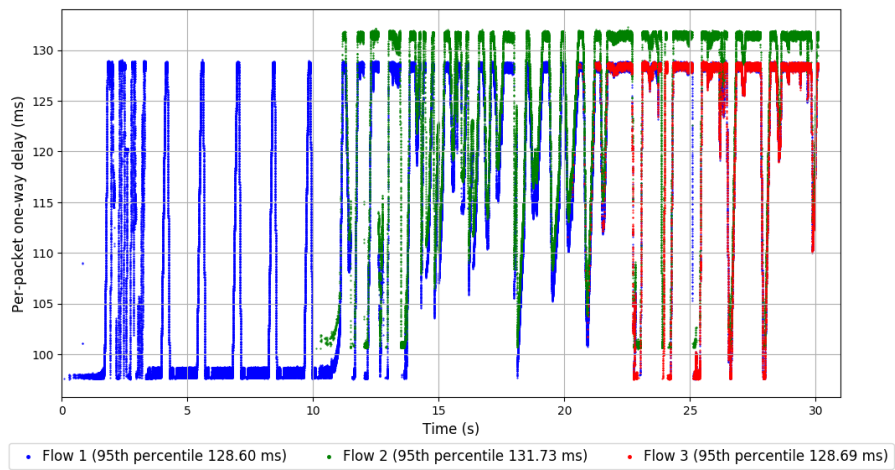
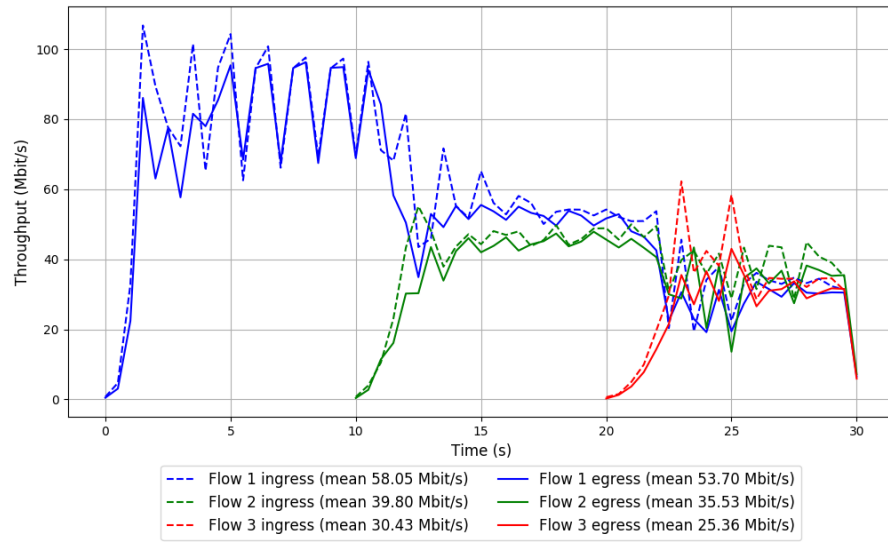
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	52.73	35.18	24.82	128.50	129.35	128.68	7.32	10.64	15.55
TCP Cubic	10	45.36	37.28	23.72	120.49	122.65	123.63	0.43	0.86	1.46
LEDBAT	10	10.98	7.11	3.50	97.83	99.59	97.73	0.00	0.06	0.00
PCC	10	77.35	10.41	7.35	129.10	128.18	129.38	3.28	4.92	5.79
QUIC Cubic	10	42.39	23.34	13.84	125.20	120.30	118.65	0.79	0.69	1.37
SCReAM	10	0.22	0.22	0.22	96.71	96.57	96.85	0.00	0.04	0.00
WebRTC media	10	0.06	0.06	0.05	101.18	99.56	99.53	0.00	0.01	0.00
Sprout	10	3.51	3.58	3.29	106.52	105.72	105.91	0.11	0.00	0.00
TaoVA-100x	10	48.76	29.64	18.46	125.04	124.94	126.97	4.43	9.74	12.35
TCP Vegas	10	22.87	26.53	31.10	106.97	110.16	108.89	0.72	0.90	1.47
Verus	10	22.73	22.38	15.12	135.84	137.58	138.69	25.20	41.24	38.09
Copa	10	79.84	12.33	7.22	123.05	122.97	118.54	51.98	28.23	26.87
FillP	10	46.69	42.83	41.88	128.20	125.66	126.18	12.65	20.71	21.70
Indigo-1-32	10	64.20	22.49	41.54	129.42	127.49	129.64	17.53	44.01	65.29
Vivace-latency	10	65.72	12.75	9.10	121.30	121.52	124.64	0.28	0.53	0.87
Vivace-loss	10	81.81	6.40	4.88	126.69	125.86	126.06	3.09	3.69	4.02
Vivace-LTE	10	74.68	13.11	10.59	129.83	128.35	127.84	3.13	2.25	2.86

Run 1: Statistics of TCP BBR

Start at: 2018-04-03 21:04:38
End at: 2018-04-03 21:05:08
Local clock offset: -7.582 ms
Remote clock offset: 11.323 ms

Below is generated by plot.py at 2018-04-04 01:30:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.80 Mbit/s
95th percentile per-packet one-way delay: 131.548 ms
Loss rate: 9.27%
-- Flow 1:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 128.603 ms
Loss rate: 7.39%
-- Flow 2:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 131.731 ms
Loss rate: 10.60%
-- Flow 3:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 128.689 ms
Loss rate: 16.53%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-03 21:29:23

End at: 2018-04-03 21:29:53

Local clock offset: -3.513 ms

Remote clock offset: 9.915 ms

Below is generated by plot.py at 2018-04-04 01:30:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.73 Mbit/s

95th percentile per-packet one-way delay: 137.141 ms

Loss rate: 8.82%

-- Flow 1:

Average throughput: 55.72 Mbit/s

95th percentile per-packet one-way delay: 130.326 ms

Loss rate: 7.30%

-- Flow 2:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 135.421 ms

Loss rate: 10.01%

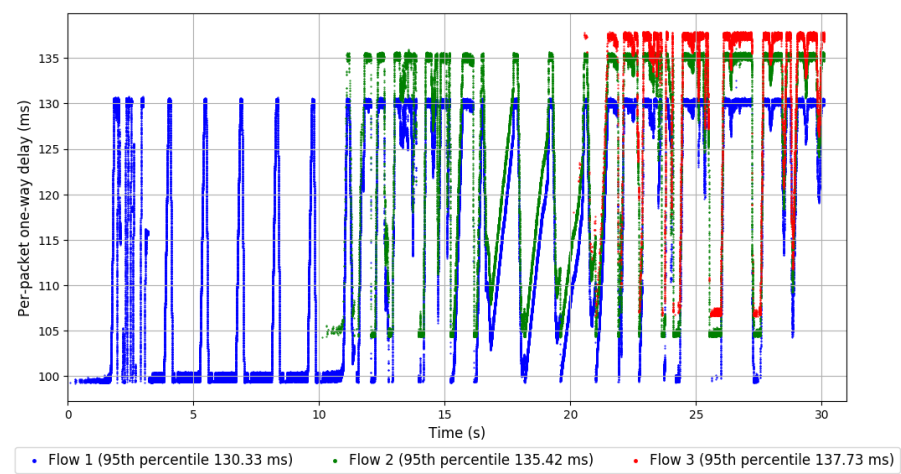
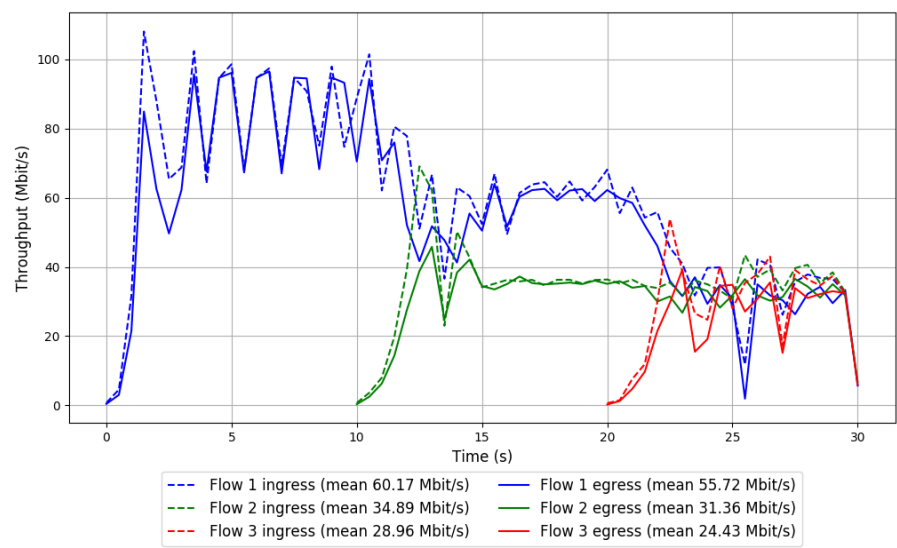
-- Flow 3:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 137.732 ms

Loss rate: 15.52%

Run 2: Report of TCP BBR — Data Link

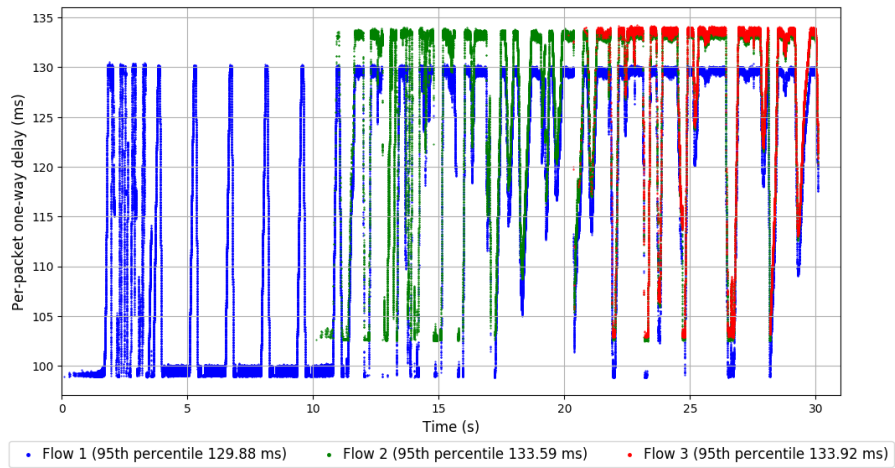
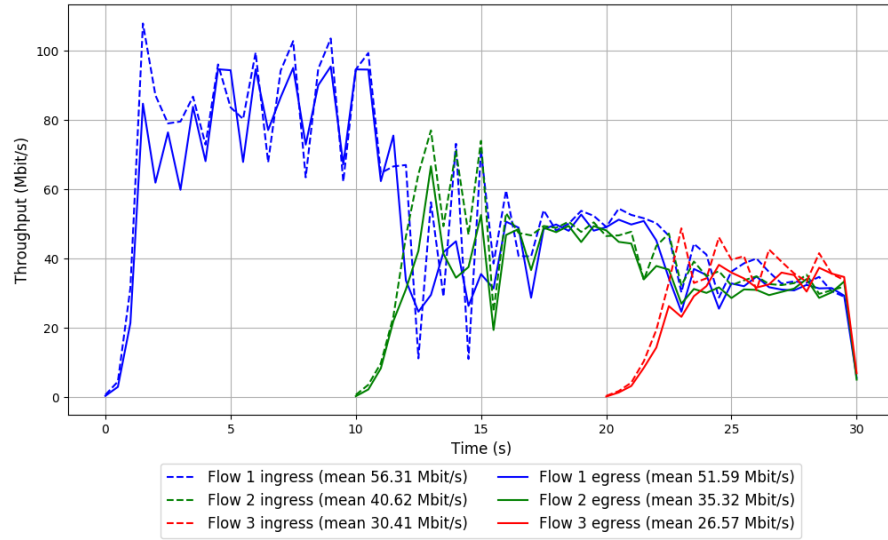


Run 3: Statistics of TCP BBR

Start at: 2018-04-03 21:53:22
End at: 2018-04-03 21:53:52
Local clock offset: -5.324 ms
Remote clock offset: 10.756 ms

Below is generated by plot.py at 2018-04-04 01:30:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 133.592 ms
Loss rate: 10.15%
-- Flow 1:
Average throughput: 51.59 Mbit/s
95th percentile per-packet one-way delay: 129.880 ms
Loss rate: 8.33%
-- Flow 2:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 133.586 ms
Loss rate: 12.99%
-- Flow 3:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 133.916 ms
Loss rate: 12.74%

Run 3: Report of TCP BBR — Data Link

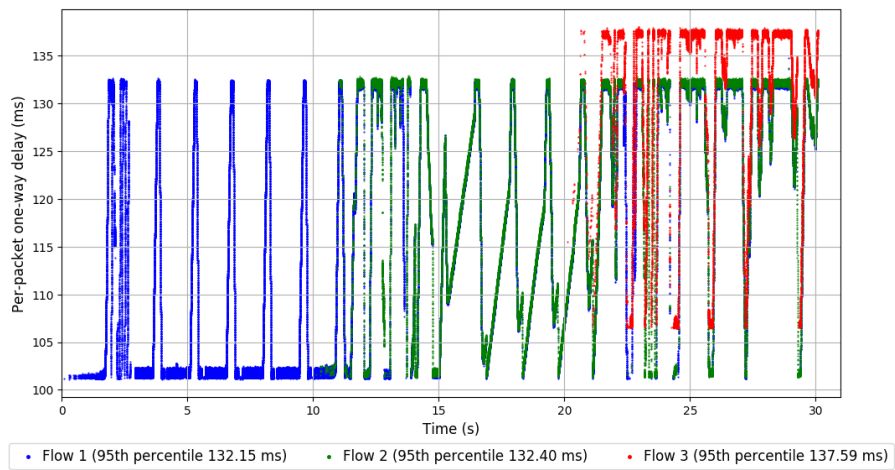
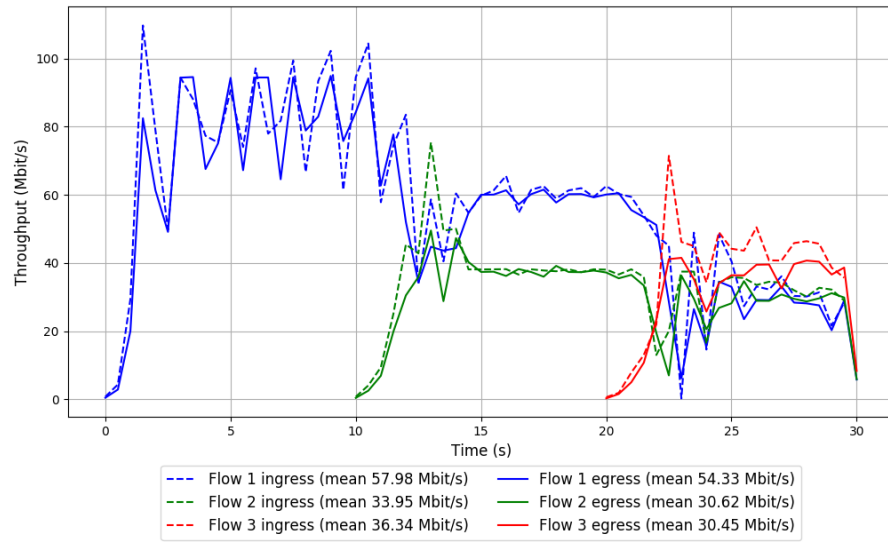


Run 4: Statistics of TCP BBR

Start at: 2018-04-03 22:17:20
End at: 2018-04-03 22:17:50
Local clock offset: -7.945 ms
Remote clock offset: 11.136 ms

Below is generated by plot.py at 2018-04-04 01:30:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 137.148 ms
Loss rate: 8.33%
-- Flow 1:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 132.148 ms
Loss rate: 6.20%
-- Flow 2:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 132.402 ms
Loss rate: 9.68%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 137.594 ms
Loss rate: 16.04%

Run 4: Report of TCP BBR — Data Link

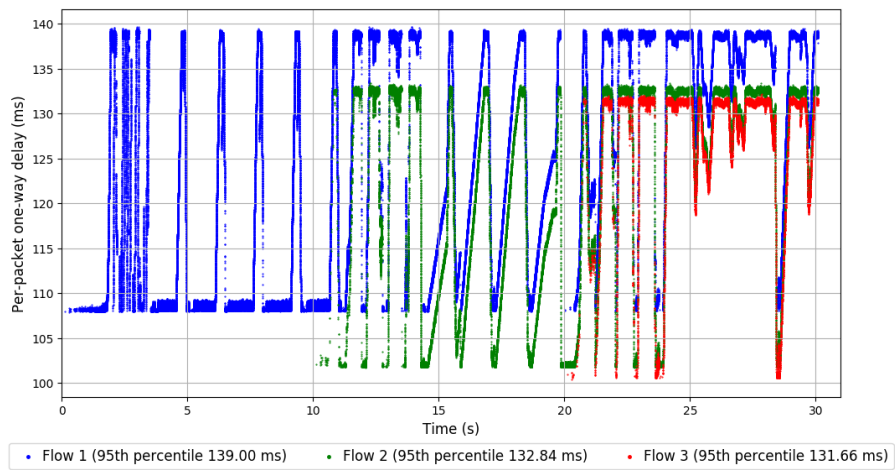
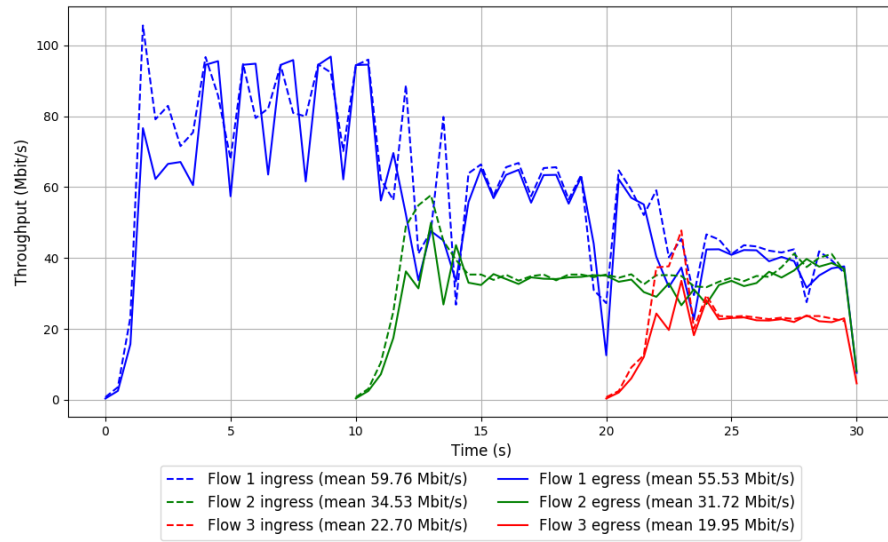


Run 5: Statistics of TCP BBR

Start at: 2018-04-03 22:41:15
End at: 2018-04-03 22:41:45
Local clock offset: -3.149 ms
Remote clock offset: 10.959 ms

Below is generated by plot.py at 2018-04-04 01:30:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 138.921 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 138.997 ms
Loss rate: 7.00%
-- Flow 2:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 132.839 ms
Loss rate: 7.98%
-- Flow 3:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 131.658 ms
Loss rate: 11.93%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-03 23:05:02

End at: 2018-04-03 23:05:32

Local clock offset: -5.302 ms

Remote clock offset: 5.528 ms

Below is generated by plot.py at 2018-04-04 01:30:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.50 Mbit/s

95th percentile per-packet one-way delay: 128.575 ms

Loss rate: 8.31%

-- Flow 1:

Average throughput: 49.38 Mbit/s

95th percentile per-packet one-way delay: 125.246 ms

Loss rate: 6.38%

-- Flow 2:

Average throughput: 40.07 Mbit/s

95th percentile per-packet one-way delay: 128.681 ms

Loss rate: 9.20%

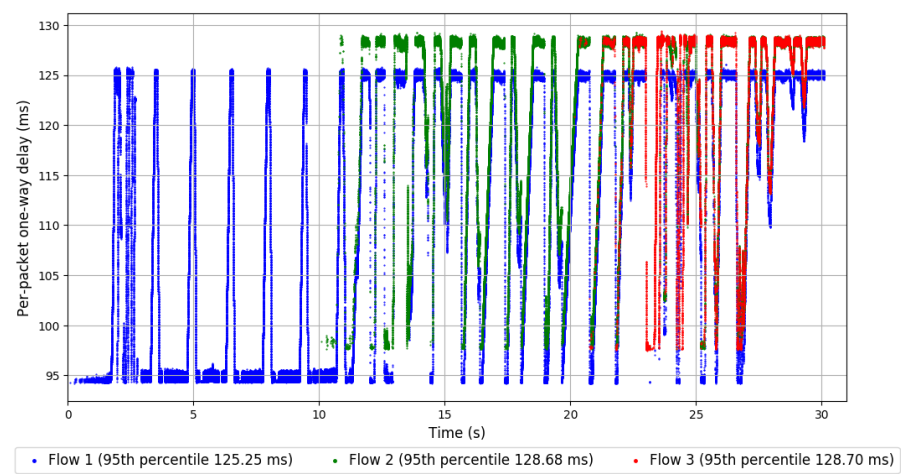
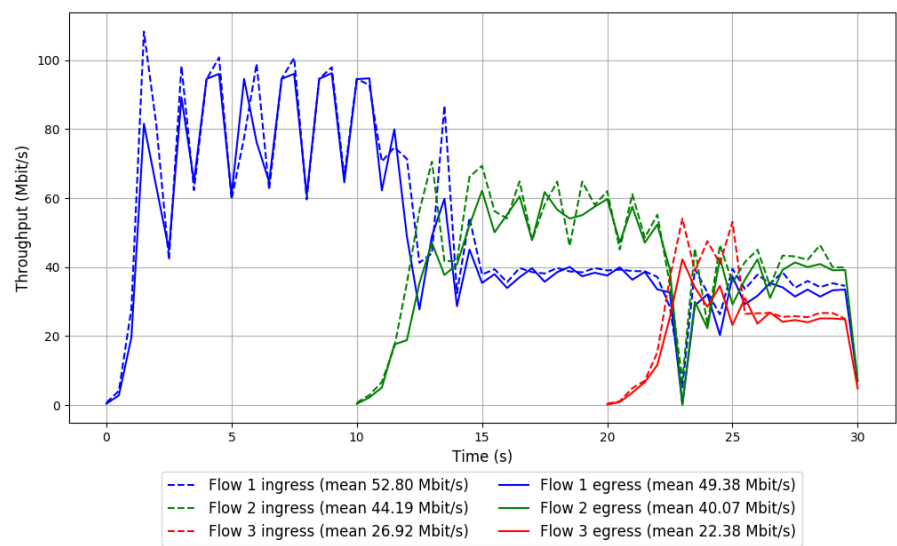
-- Flow 3:

Average throughput: 22.38 Mbit/s

95th percentile per-packet one-way delay: 128.698 ms

Loss rate: 16.84%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-03 23:28:48

End at: 2018-04-03 23:29:18

Local clock offset: -2.767 ms

Remote clock offset: 6.338 ms

Below is generated by plot.py at 2018-04-04 01:30:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.46 Mbit/s

95th percentile per-packet one-way delay: 129.172 ms

Loss rate: 9.47%

-- Flow 1:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 129.256 ms

Loss rate: 7.90%

-- Flow 2:

Average throughput: 35.70 Mbit/s

95th percentile per-packet one-way delay: 123.782 ms

Loss rate: 10.36%

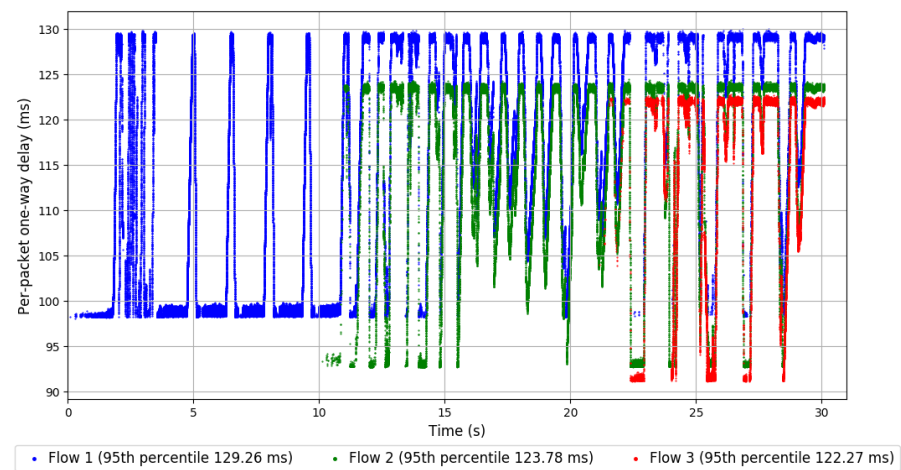
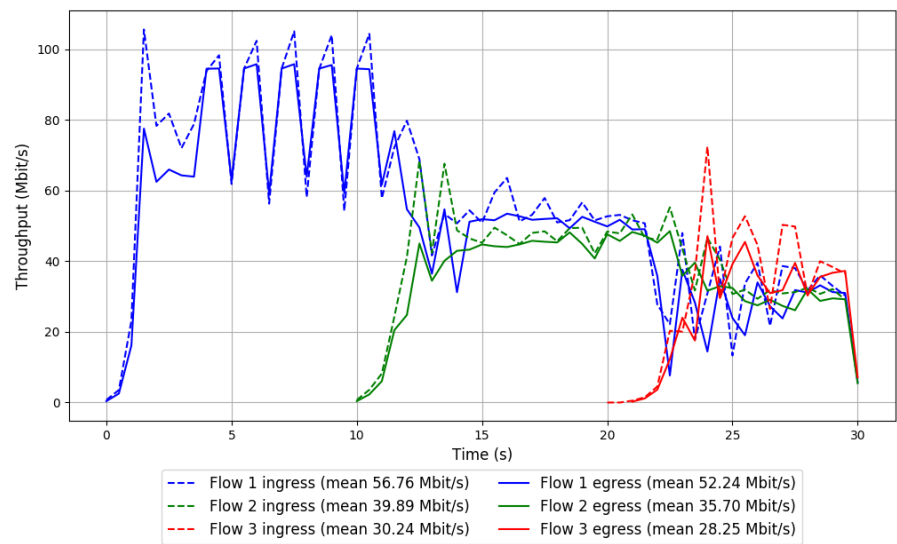
-- Flow 3:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 122.266 ms

Loss rate: 16.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-03 23:52:48

End at: 2018-04-03 23:53:18

Local clock offset: -7.123 ms

Remote clock offset: 9.531 ms

Below is generated by plot.py at 2018-04-04 01:30:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.15 Mbit/s

95th percentile per-packet one-way delay: 133.501 ms

Loss rate: 9.30%

-- Flow 1:

Average throughput: 50.44 Mbit/s

95th percentile per-packet one-way delay: 133.584 ms

Loss rate: 7.48%

-- Flow 2:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 132.527 ms

Loss rate: 11.17%

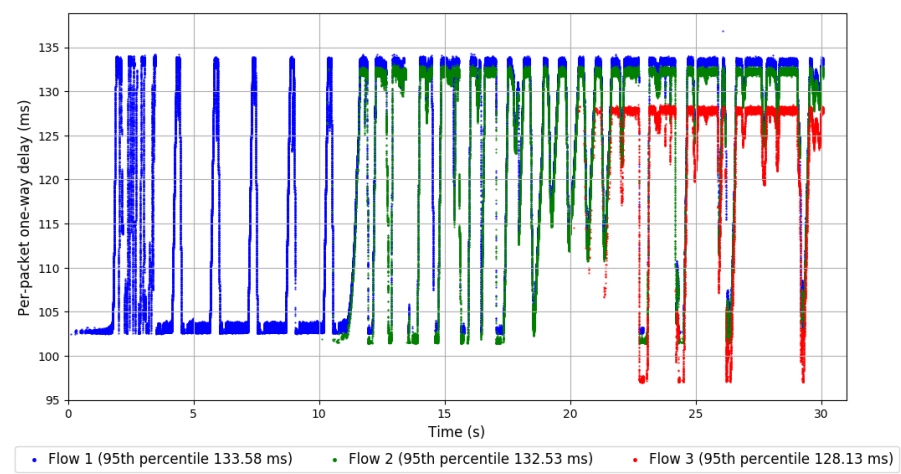
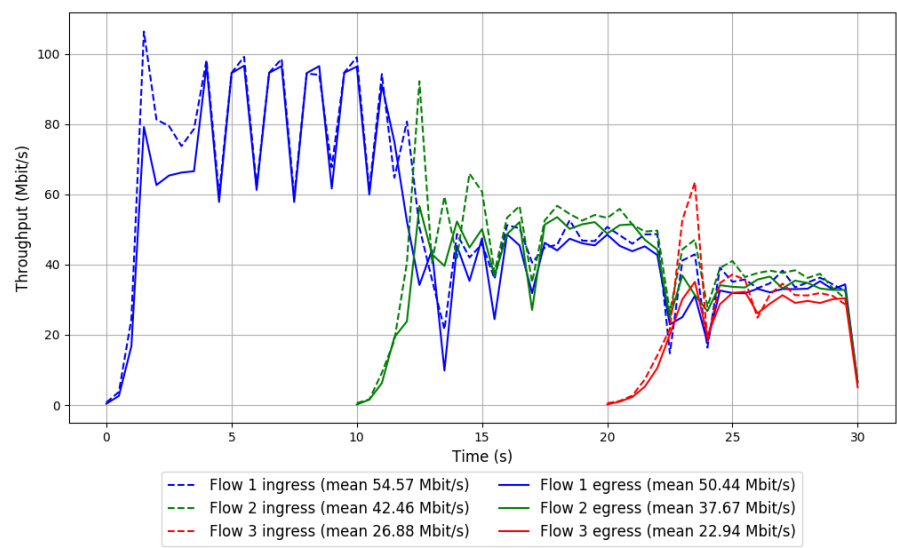
-- Flow 3:

Average throughput: 22.94 Mbit/s

95th percentile per-packet one-way delay: 128.128 ms

Loss rate: 14.54%

Run 8: Report of TCP BBR — Data Link

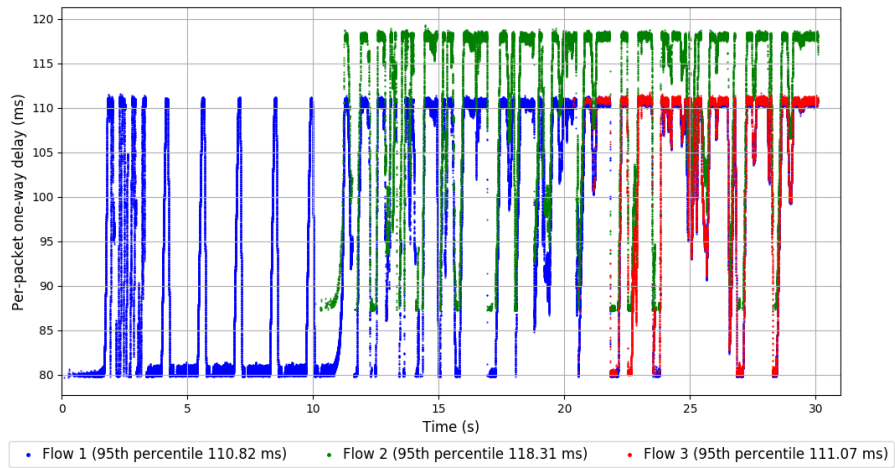
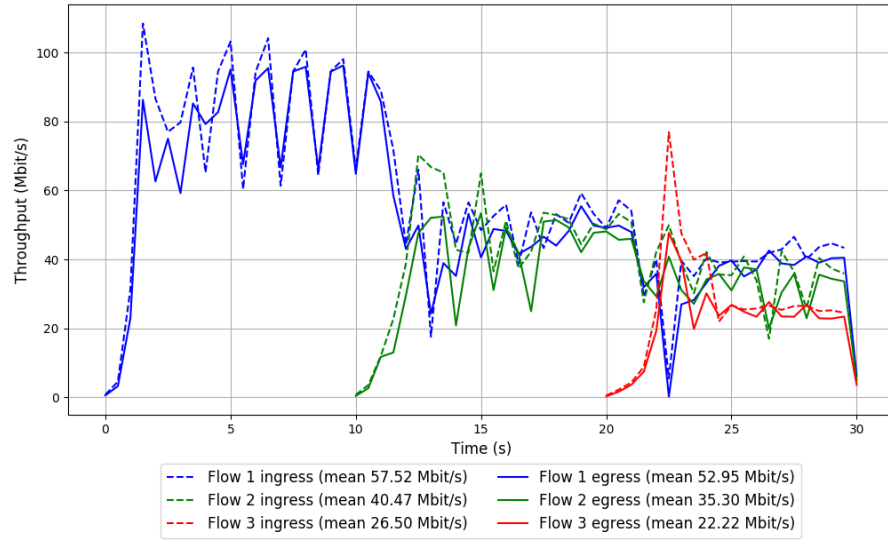


Run 9: Statistics of TCP BBR

Start at: 2018-04-04 00:16:57
End at: 2018-04-04 00:17:27
Local clock offset: 11.737 ms
Remote clock offset: 10.599 ms

Below is generated by plot.py at 2018-04-04 01:31:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 118.130 ms
Loss rate: 10.02%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 110.816 ms
Loss rate: 7.84%
-- Flow 2:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 118.309 ms
Loss rate: 12.66%
-- Flow 3:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 111.072 ms
Loss rate: 16.14%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-04 00:40:58

End at: 2018-04-04 00:41:28

Local clock offset: -6.465 ms

Remote clock offset: 5.407 ms

Below is generated by plot.py at 2018-04-04 01:31:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.59 Mbit/s

95th percentile per-packet one-way delay: 126.457 ms

Loss rate: 10.02%

-- Flow 1:

Average throughput: 51.40 Mbit/s

95th percentile per-packet one-way delay: 126.132 ms

Loss rate: 7.37%

-- Flow 2:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 124.271 ms

Loss rate: 11.75%

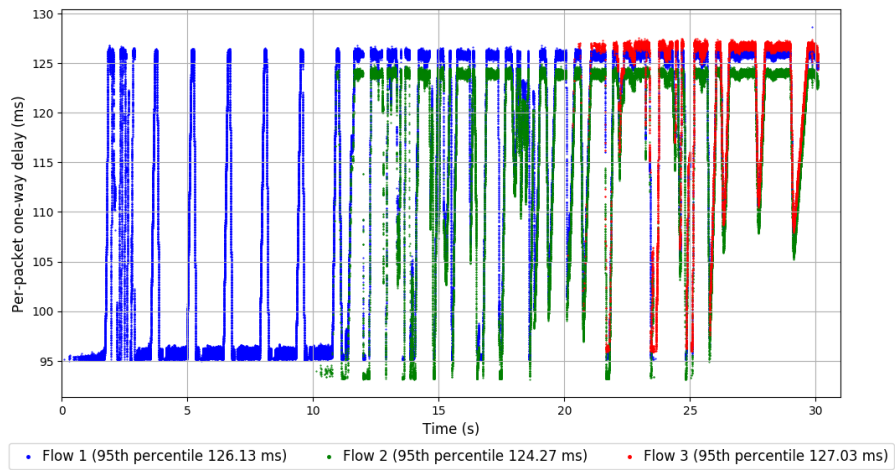
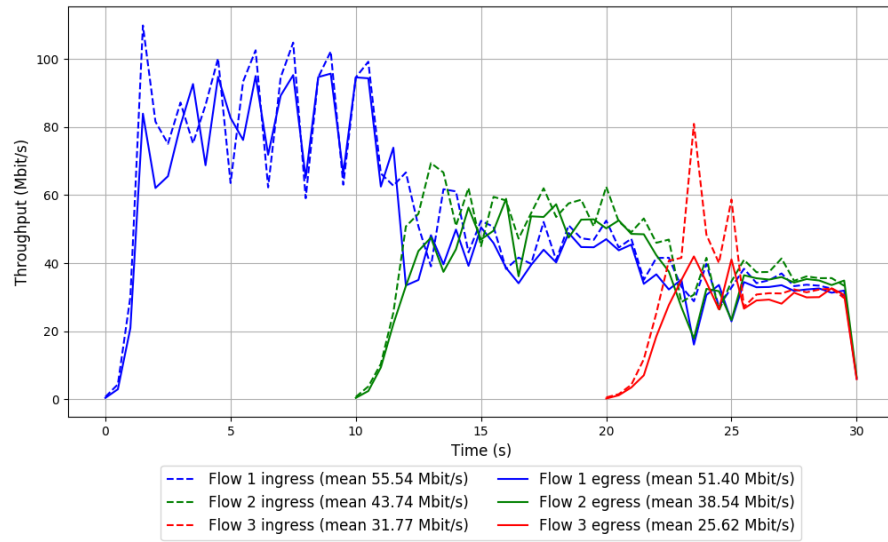
-- Flow 3:

Average throughput: 25.62 Mbit/s

95th percentile per-packet one-way delay: 127.028 ms

Loss rate: 19.21%

Run 10: Report of TCP BBR — Data Link

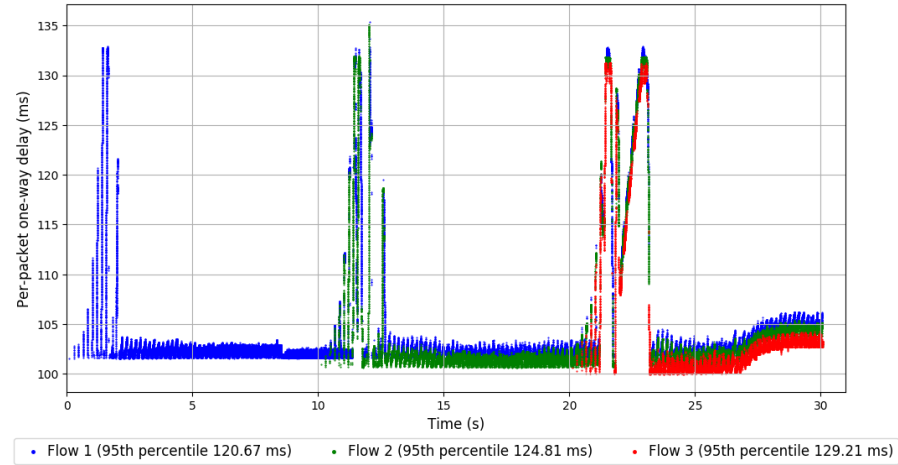
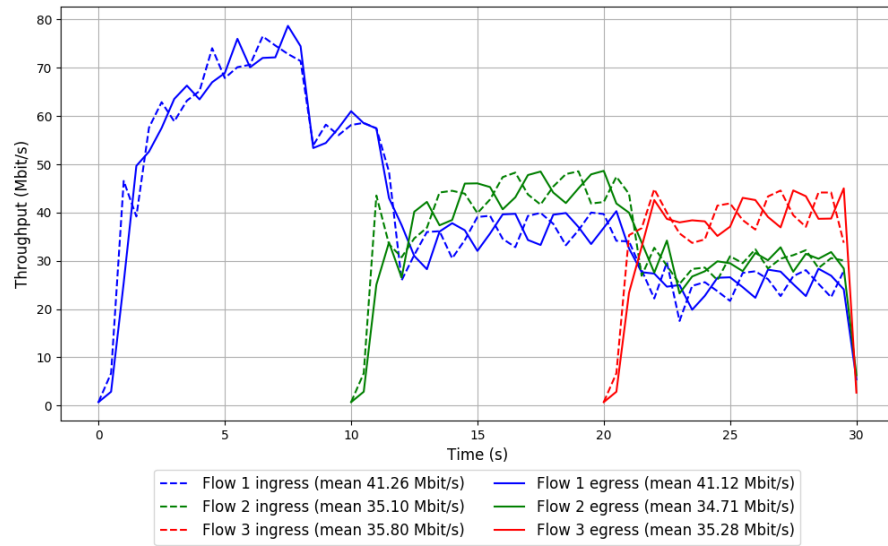


Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 21:24:07
End at: 2018-04-03 21:24:37
Local clock offset: -4.112 ms
Remote clock offset: 10.084 ms

Below is generated by plot.py at 2018-04-04 01:31:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: 124.303 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 120.668 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 124.811 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 129.205 ms
Loss rate: 1.43%

Run 1: Report of TCP Cubic — Data Link

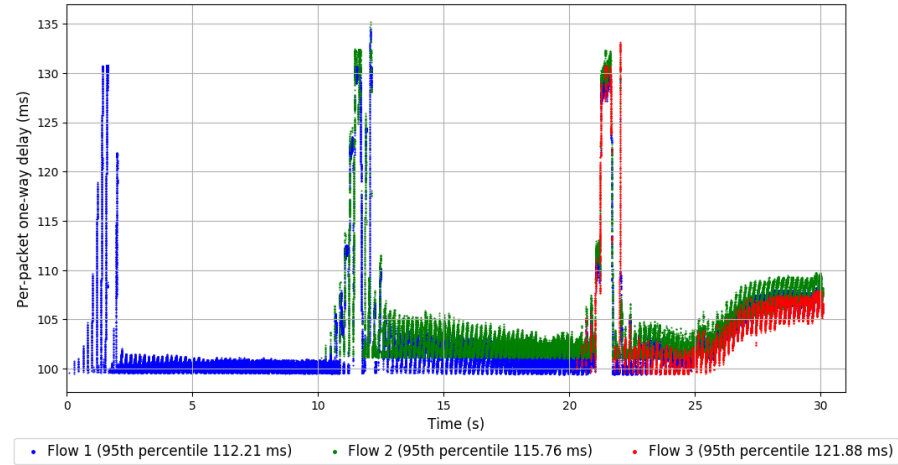
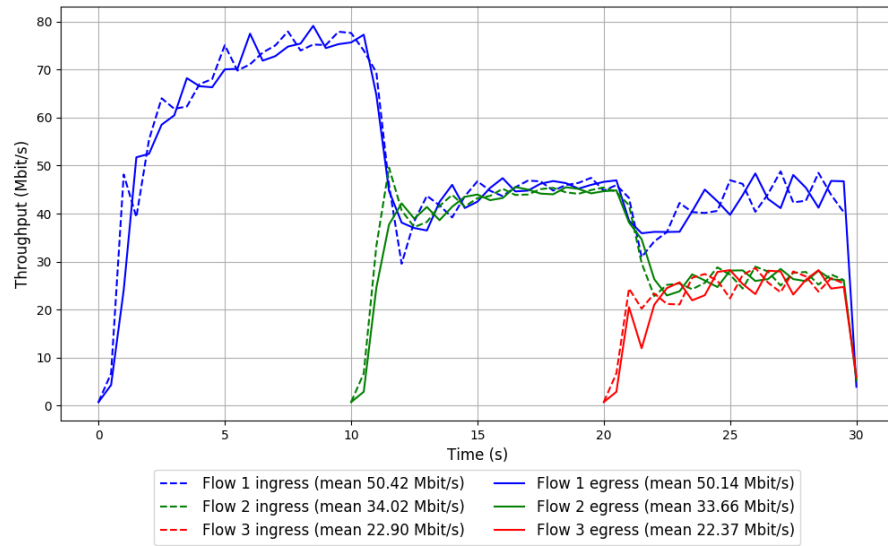


Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 21:48:04
End at: 2018-04-03 21:48:34
Local clock offset: -3.527 ms
Remote clock offset: 9.359 ms

Below is generated by plot.py at 2018-04-04 01:31:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.98 Mbit/s
95th percentile per-packet one-way delay: 113.170 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 112.214 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 115.764 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 22.37 Mbit/s
95th percentile per-packet one-way delay: 121.878 ms
Loss rate: 2.27%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 22:12:03

End at: 2018-04-03 22:12:33

Local clock offset: -7.606 ms

Remote clock offset: 5.705 ms

Below is generated by plot.py at 2018-04-04 01:31:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.89 Mbit/s

95th percentile per-packet one-way delay: 122.192 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 121.549 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 45.99 Mbit/s

95th percentile per-packet one-way delay: 122.207 ms

Loss rate: 0.40%

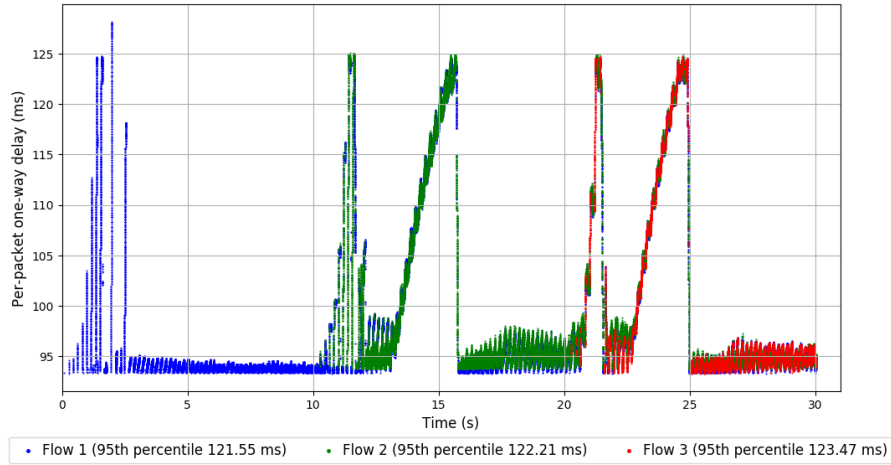
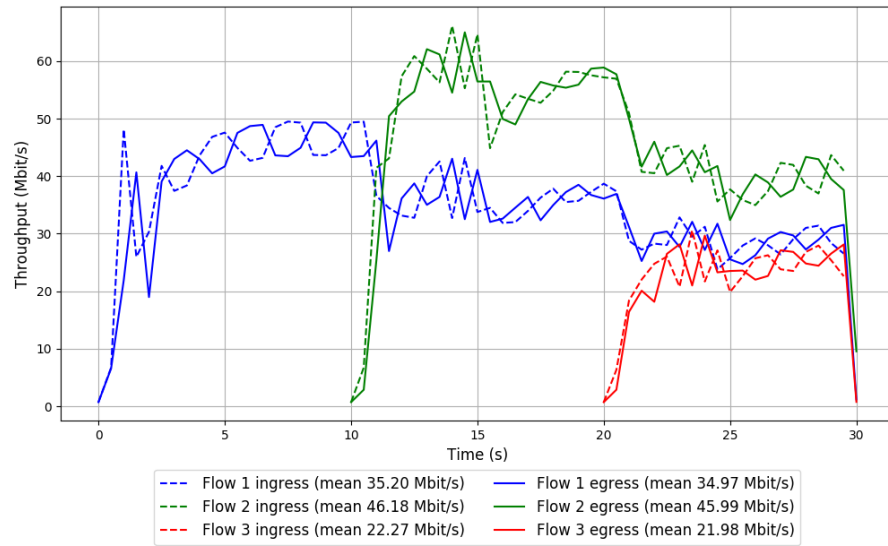
-- Flow 3:

Average throughput: 21.98 Mbit/s

95th percentile per-packet one-way delay: 123.469 ms

Loss rate: 1.28%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 22:35:58

End at: 2018-04-03 22:36:28

Local clock offset: -3.602 ms

Remote clock offset: 5.645 ms

Below is generated by plot.py at 2018-04-04 01:31:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.52 Mbit/s

95th percentile per-packet one-way delay: 122.552 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 51.39 Mbit/s

95th percentile per-packet one-way delay: 121.516 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 123.327 ms

Loss rate: 0.79%

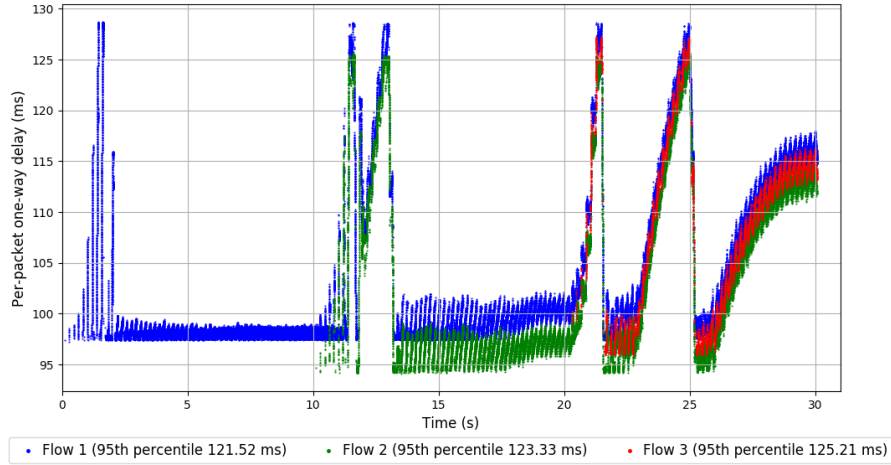
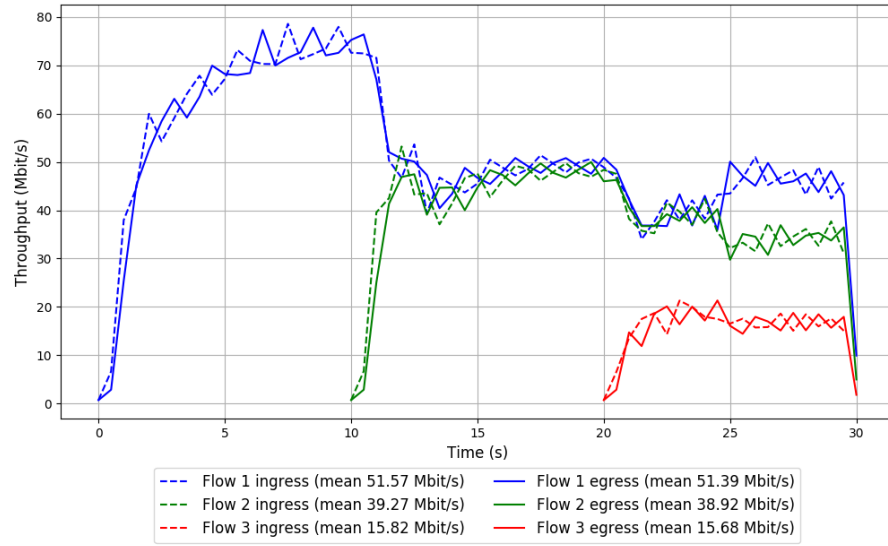
-- Flow 3:

Average throughput: 15.68 Mbit/s

95th percentile per-packet one-way delay: 125.209 ms

Loss rate: 0.72%

Run 4: Report of TCP Cubic — Data Link

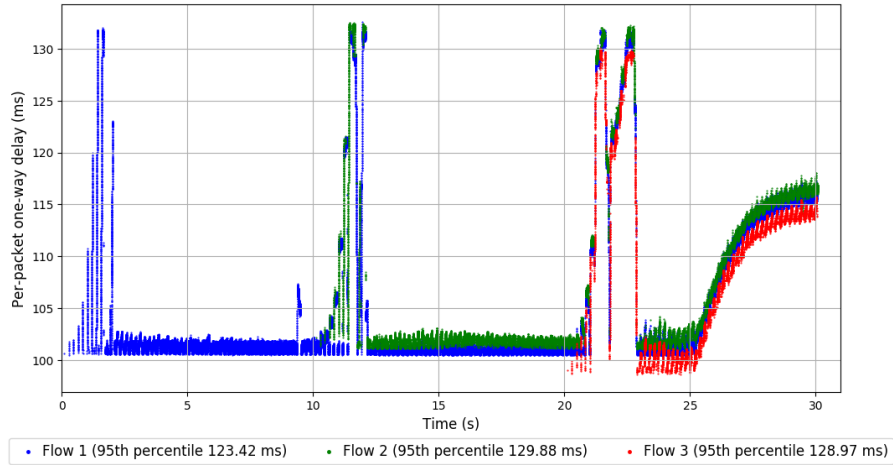
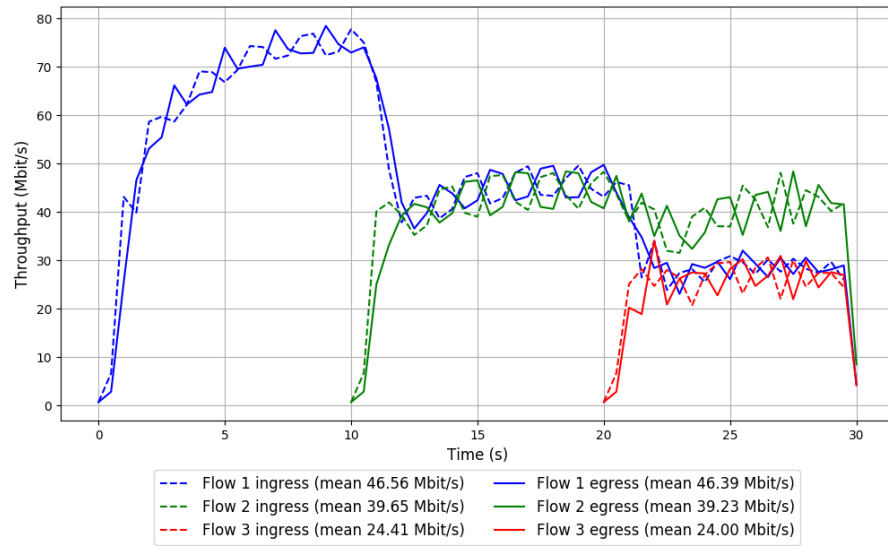


Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 22:59:45
End at: 2018-04-03 23:00:15
Local clock offset: -4.254 ms
Remote clock offset: 11.803 ms

Below is generated by plot.py at 2018-04-04 01:31:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.45 Mbit/s
95th percentile per-packet one-way delay: 127.739 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 123.417 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 129.876 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 128.965 ms
Loss rate: 1.51%

Run 5: Report of TCP Cubic — Data Link

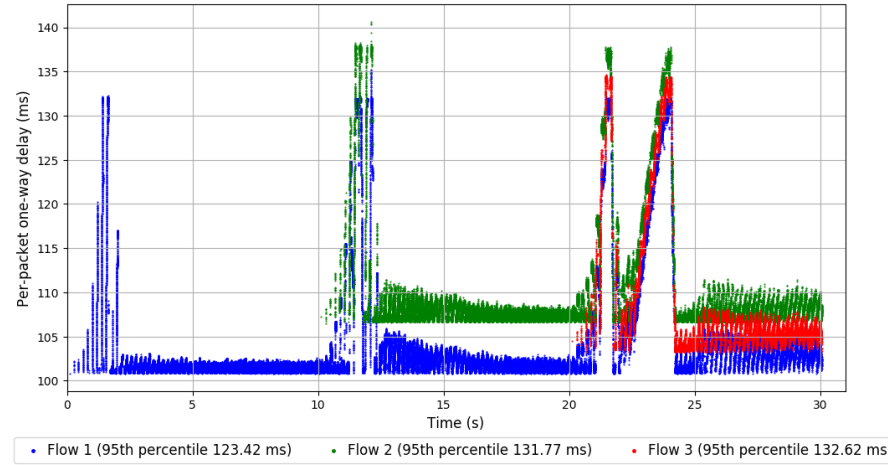
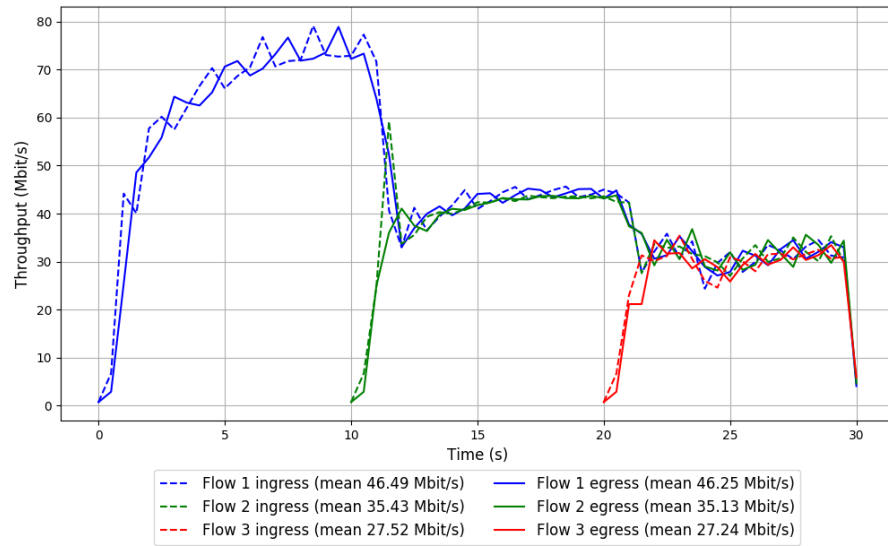


Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 23:23:30
End at: 2018-04-03 23:24:00
Local clock offset: -7.105 ms
Remote clock offset: 12.377 ms

Below is generated by plot.py at 2018-04-04 01:31:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 128.645 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 46.25 Mbit/s
95th percentile per-packet one-way delay: 123.417 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 131.771 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 27.24 Mbit/s
95th percentile per-packet one-way delay: 132.616 ms
Loss rate: 1.02%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 23:47:31

End at: 2018-04-03 23:48:01

Local clock offset: -6.822 ms

Remote clock offset: 5.286 ms

Below is generated by plot.py at 2018-04-04 01:32:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 125.899 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 125.158 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 38.57 Mbit/s

95th percentile per-packet one-way delay: 125.700 ms

Loss rate: 0.78%

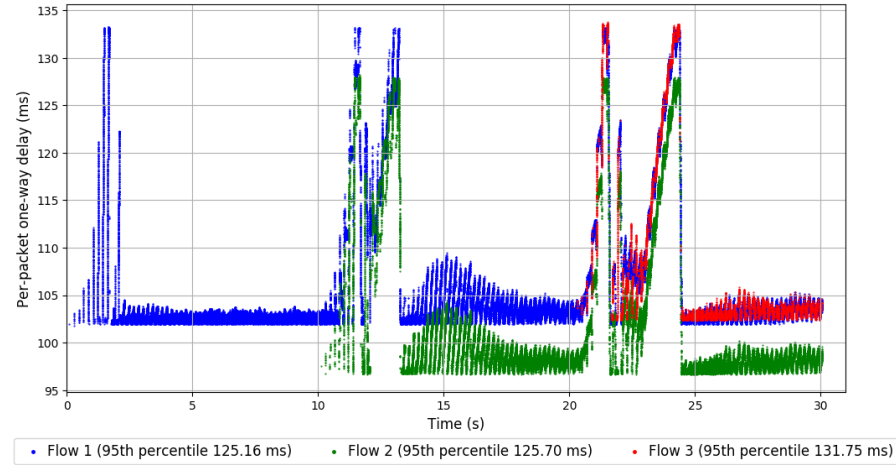
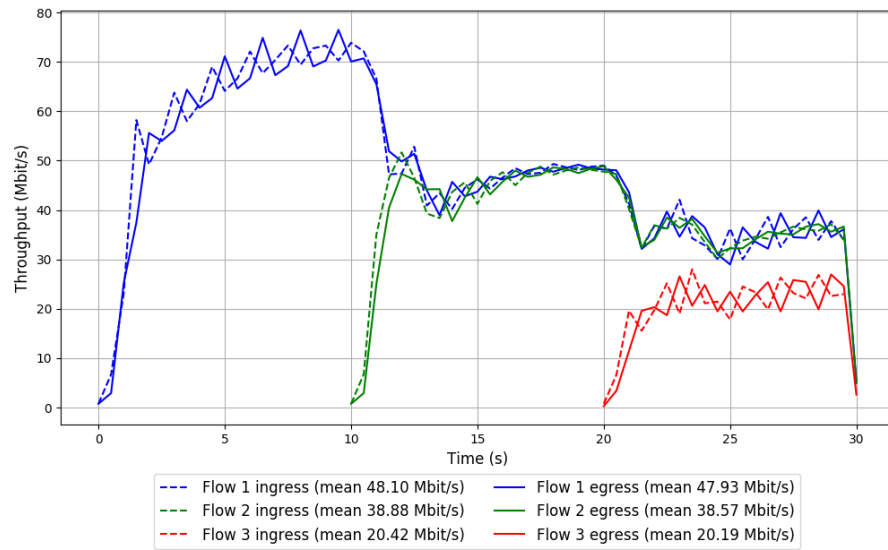
-- Flow 3:

Average throughput: 20.19 Mbit/s

95th percentile per-packet one-way delay: 131.752 ms

Loss rate: 1.39%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-04 00:11:41

End at: 2018-04-04 00:12:11

Local clock offset: 11.045 ms

Remote clock offset: 4.162 ms

Below is generated by plot.py at 2018-04-04 01:32:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 105.950 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 42.36 Mbit/s

95th percentile per-packet one-way delay: 102.863 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 43.78 Mbit/s

95th percentile per-packet one-way delay: 109.203 ms

Loss rate: 0.51%

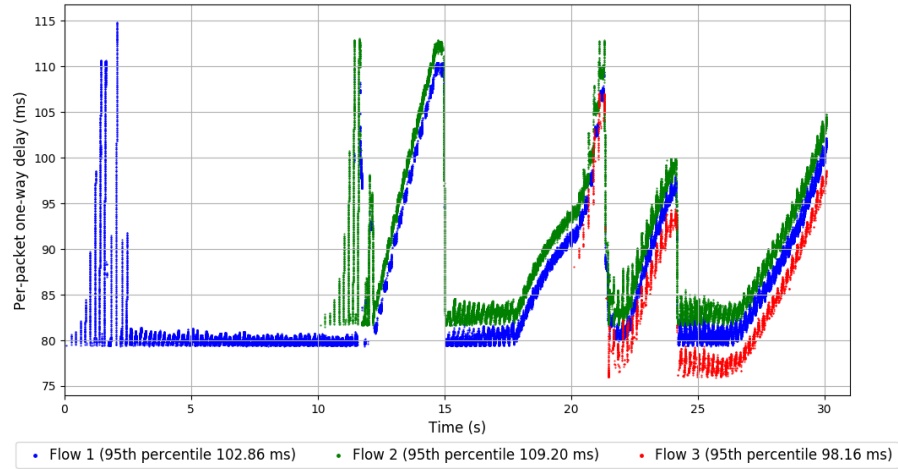
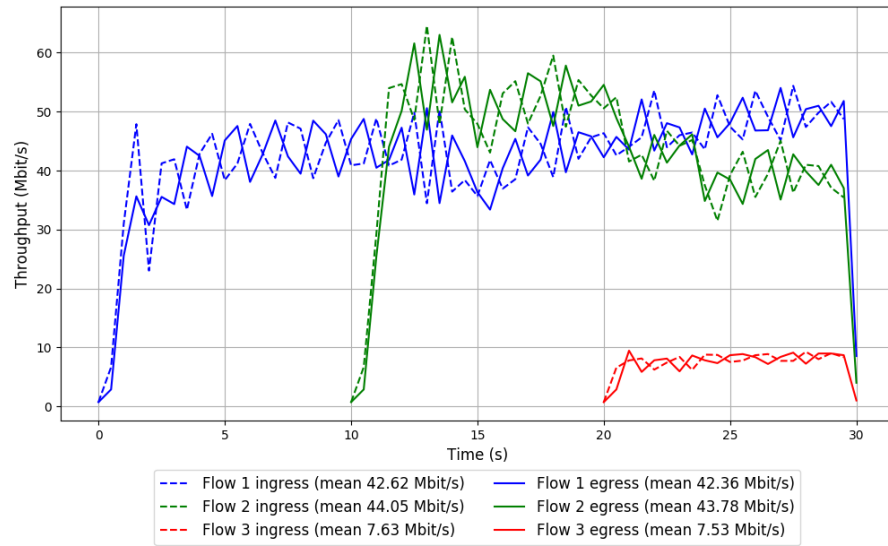
-- Flow 3:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 98.156 ms

Loss rate: 1.23%

Run 8: Report of TCP Cubic — Data Link

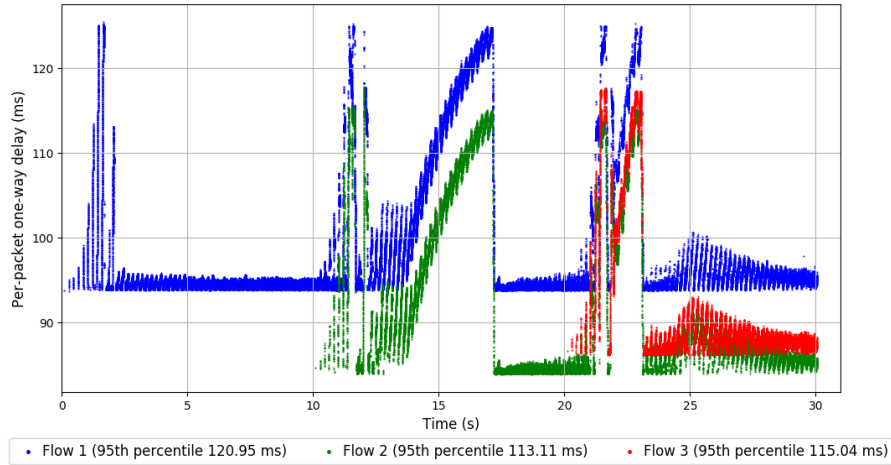
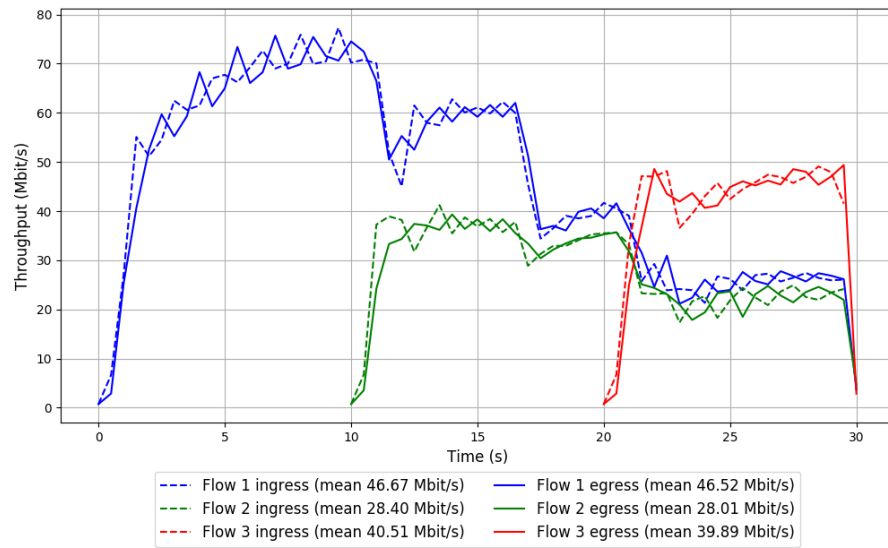


Run 9: Statistics of TCP Cubic

Start at: 2018-04-04 00:35:41
End at: 2018-04-04 00:36:11
Local clock offset: 7.032 ms
Remote clock offset: 10.604 ms

Below is generated by plot.py at 2018-04-04 01:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 117.668 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 120.947 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 113.113 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 115.037 ms
Loss rate: 1.52%

Run 9: Report of TCP Cubic — Data Link

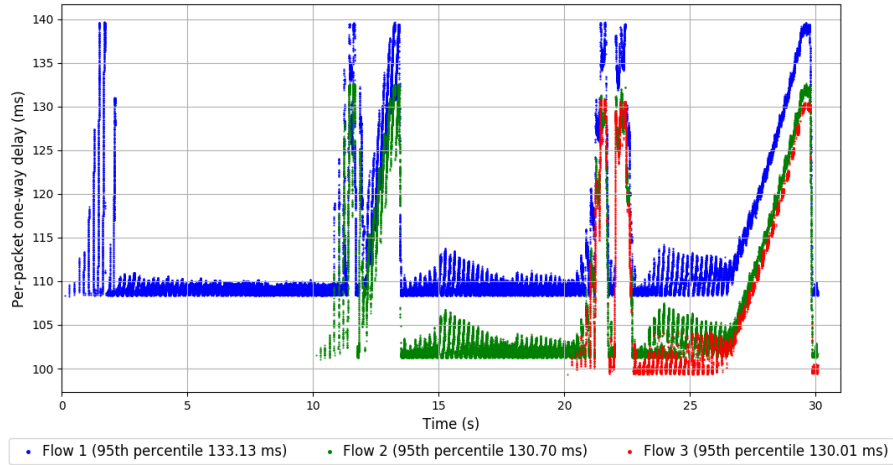
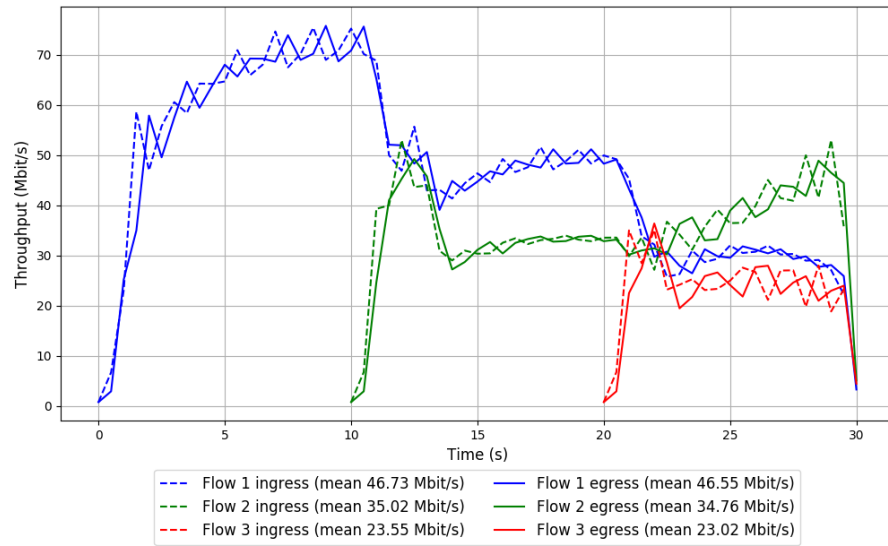


Run 10: Statistics of TCP Cubic

Start at: 2018-04-04 00:59:29
End at: 2018-04-04 00:59:59
Local clock offset: -4.935 ms
Remote clock offset: 11.903 ms

Below is generated by plot.py at 2018-04-04 01:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 131.135 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 133.133 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 130.700 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 23.02 Mbit/s
95th percentile per-packet one-way delay: 130.015 ms
Loss rate: 2.24%

Run 10: Report of TCP Cubic — Data Link

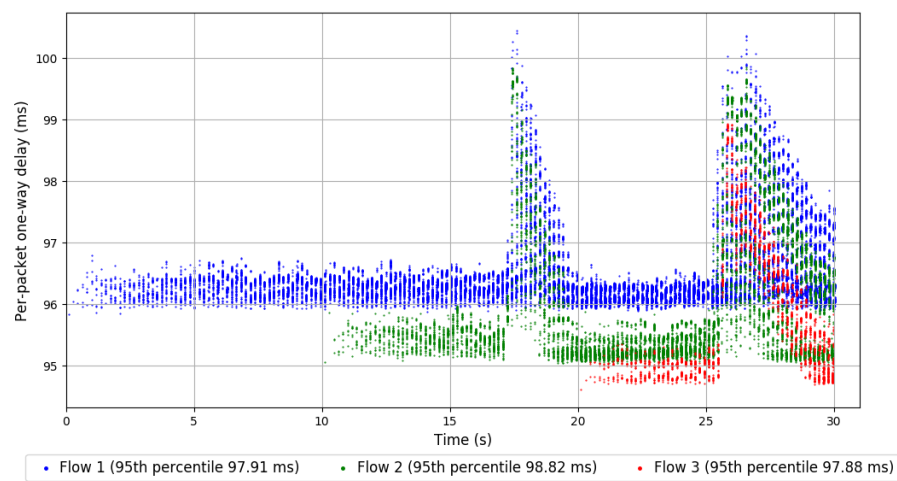
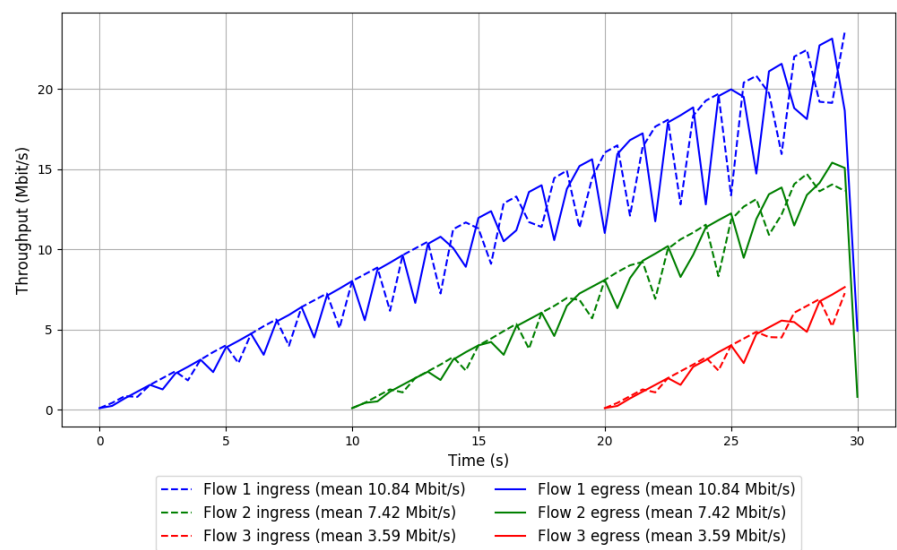


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-03 21:08:39
End at: 2018-04-03 21:09:09
Local clock offset: -7.782 ms
Remote clock offset: 5.307 ms

# Below is generated by plot.py at 2018-04-04 01:32:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 98.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 97.910 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 98.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 97.881 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

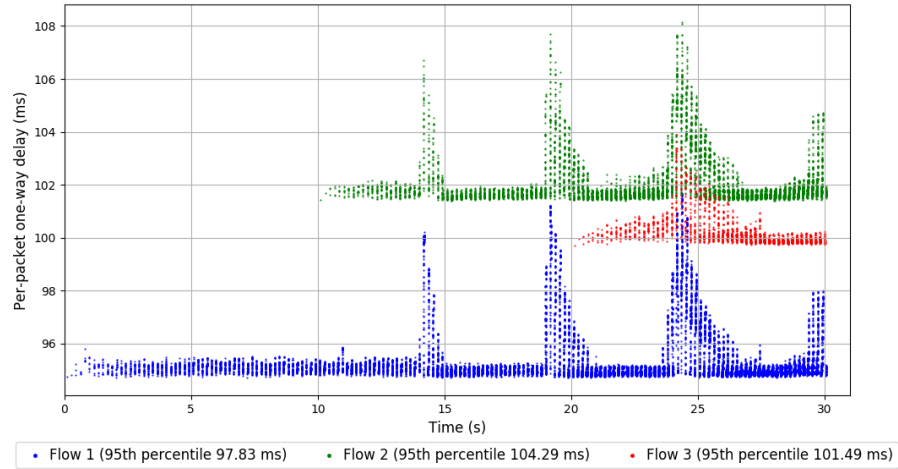
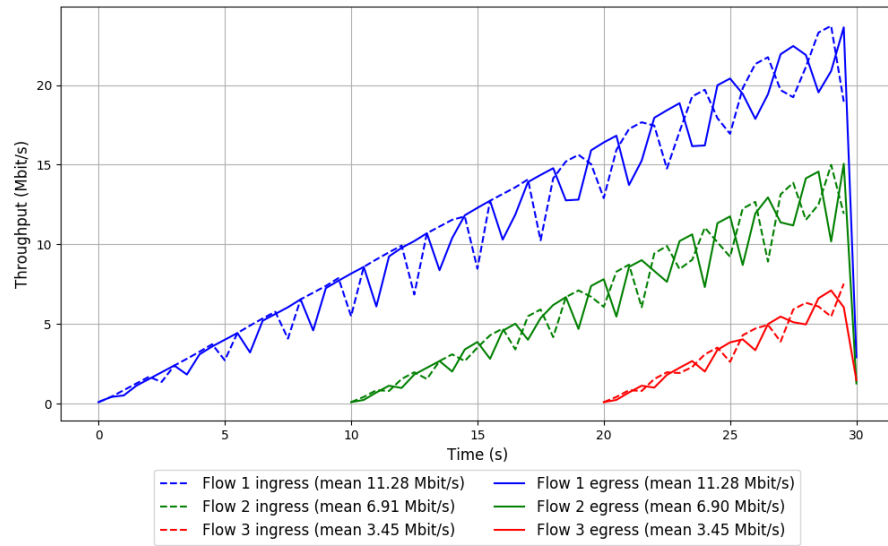


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-03 21:33:24
End at: 2018-04-03 21:33:54
Local clock offset: -3.193 ms
Remote clock offset: 4.918 ms

# Below is generated by plot.py at 2018-04-04 01:32:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 102.322 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 97.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 104.286 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 101.490 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-03 21:57:21

End at: 2018-04-03 21:57:51

Local clock offset: -6.095 ms

Remote clock offset: 5.443 ms

Below is generated by plot.py at 2018-04-04 01:32:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 97.591 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.08 Mbit/s

95th percentile per-packet one-way delay: 97.674 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 97.421 ms

Loss rate: 0.00%

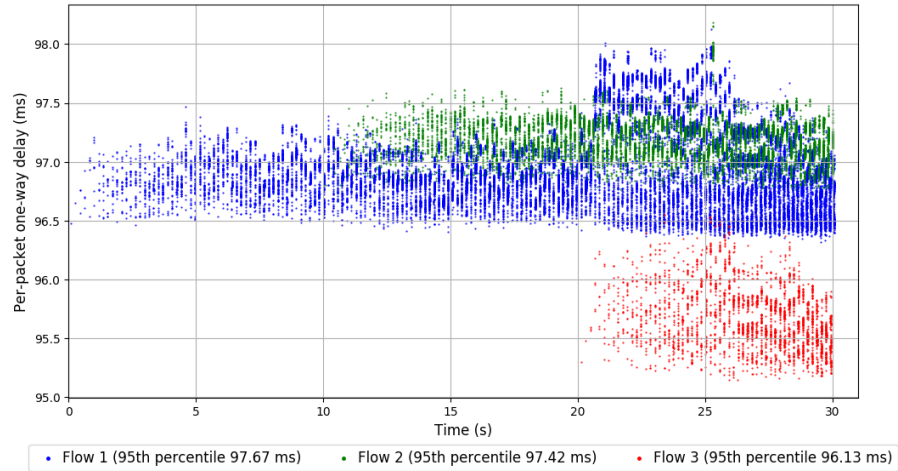
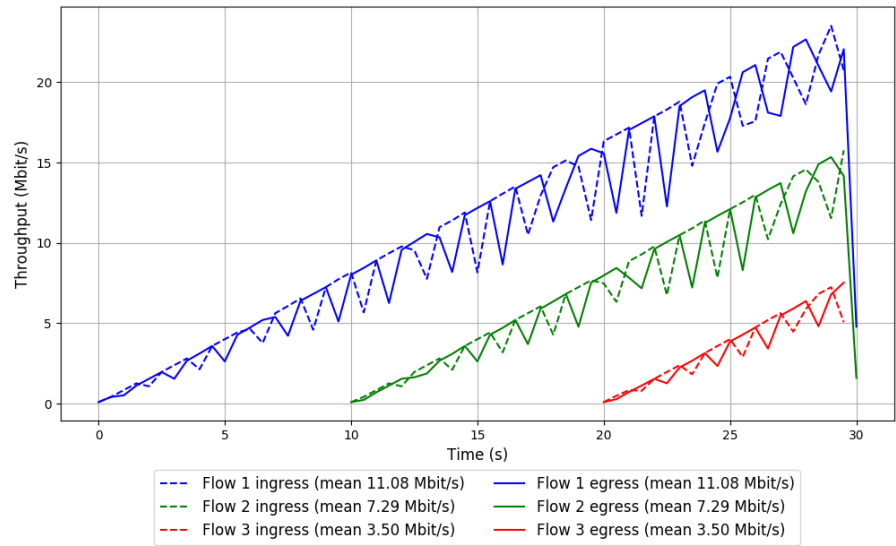
-- Flow 3:

Average throughput: 3.50 Mbit/s

95th percentile per-packet one-way delay: 96.134 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-03 22:21:19

End at: 2018-04-03 22:21:49

Local clock offset: -7.442 ms

Remote clock offset: 5.655 ms

Below is generated by plot.py at 2018-04-04 01:32:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.06 Mbit/s

95th percentile per-packet one-way delay: 104.286 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 11.43 Mbit/s

95th percentile per-packet one-way delay: 97.469 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 106.568 ms

Loss rate: 0.18%

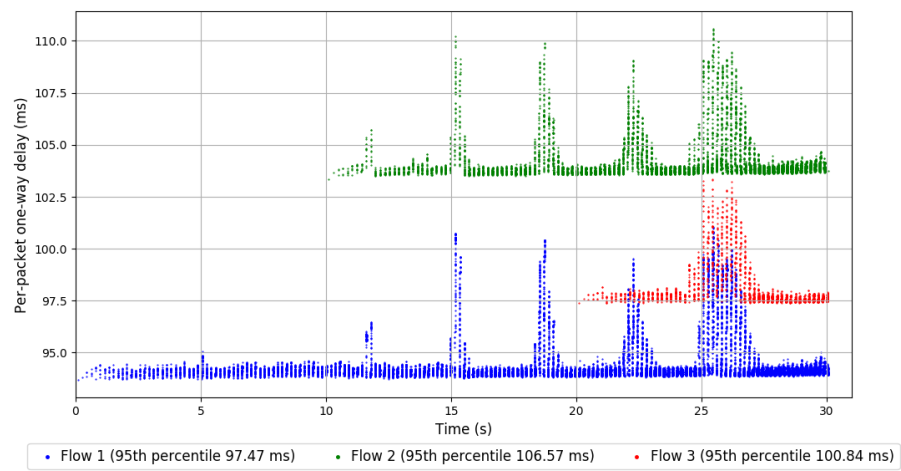
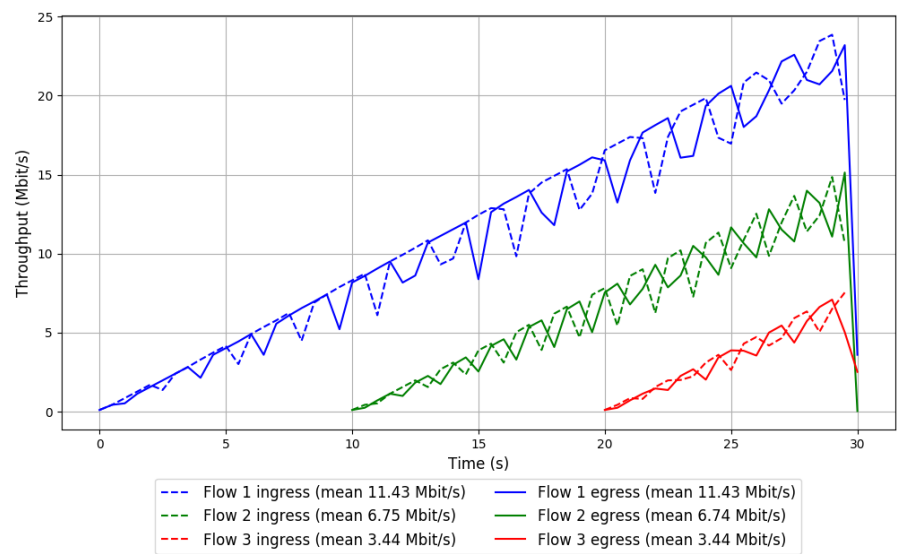
-- Flow 3:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 100.836 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-03 22:45:16

End at: 2018-04-03 22:45:46

Local clock offset: -2.832 ms

Remote clock offset: 4.633 ms

Below is generated by plot.py at 2018-04-04 01:32:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.43 Mbit/s

95th percentile per-packet one-way delay: 101.143 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 101.311 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 98.100 ms

Loss rate: 0.00%

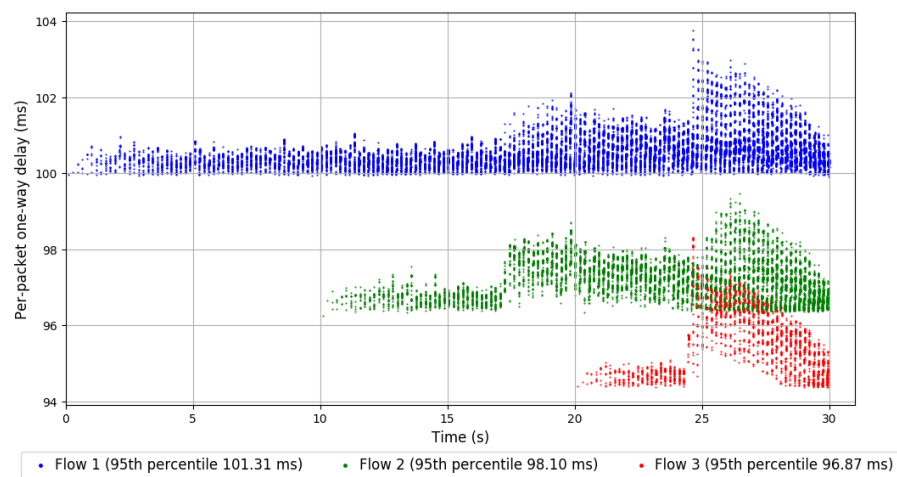
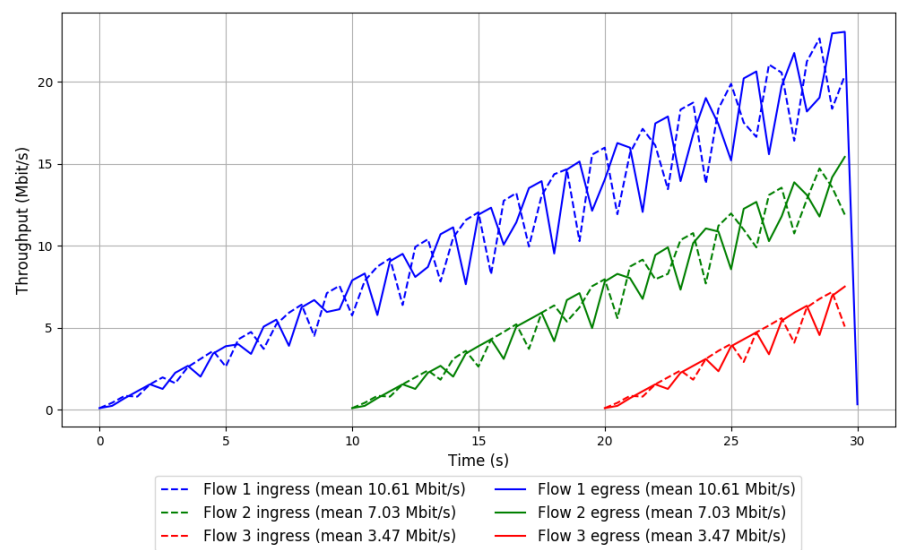
-- Flow 3:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 96.873 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

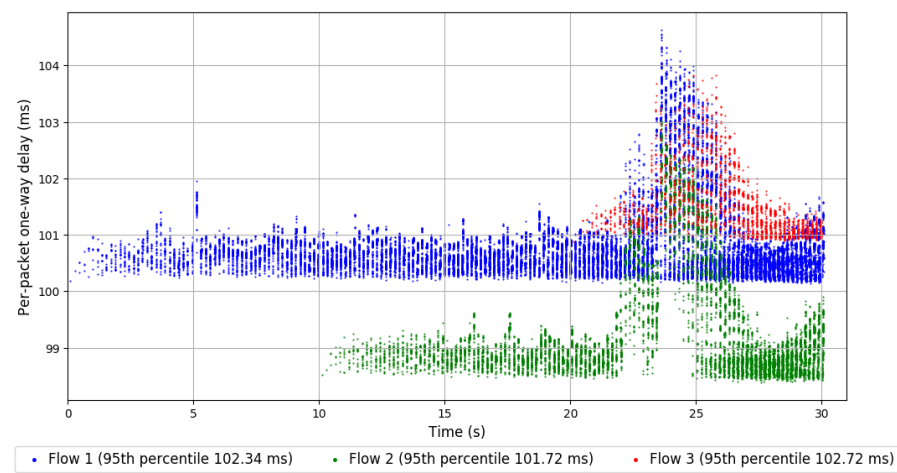
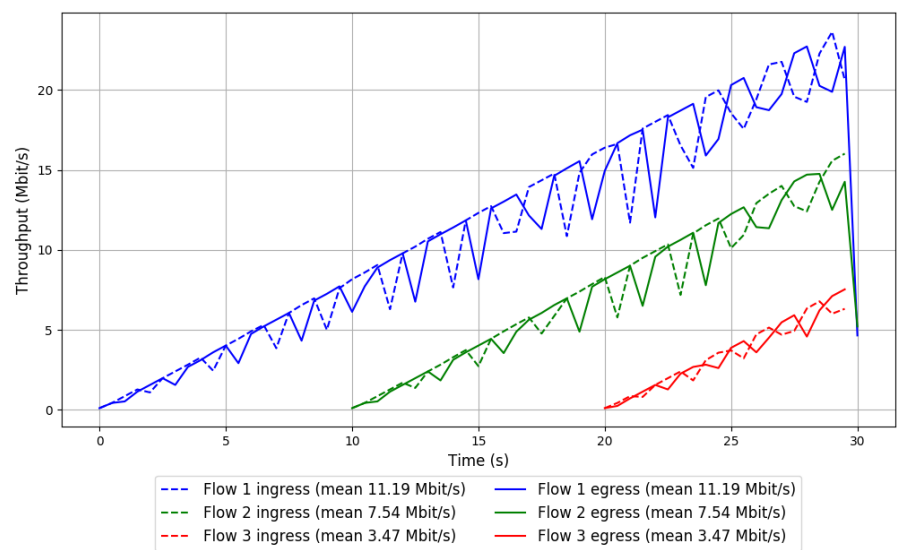


Run 6: Statistics of LEDBAT

Start at: 2018-04-03 23:09:03
End at: 2018-04-03 23:09:33
Local clock offset: -5.325 ms
Remote clock offset: 12.183 ms

Below is generated by plot.py at 2018-04-04 01:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.35 Mbit/s
95th percentile per-packet one-way delay: 102.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 102.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 101.715 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 102.716 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-03 23:32:49

End at: 2018-04-03 23:33:19

Local clock offset: -1.822 ms

Remote clock offset: 5.965 ms

Below is generated by plot.py at 2018-04-04 01:32:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.55 Mbit/s

95th percentile per-packet one-way delay: 96.158 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.70 Mbit/s

95th percentile per-packet one-way delay: 93.103 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.15 Mbit/s

95th percentile per-packet one-way delay: 91.901 ms

Loss rate: 0.00%

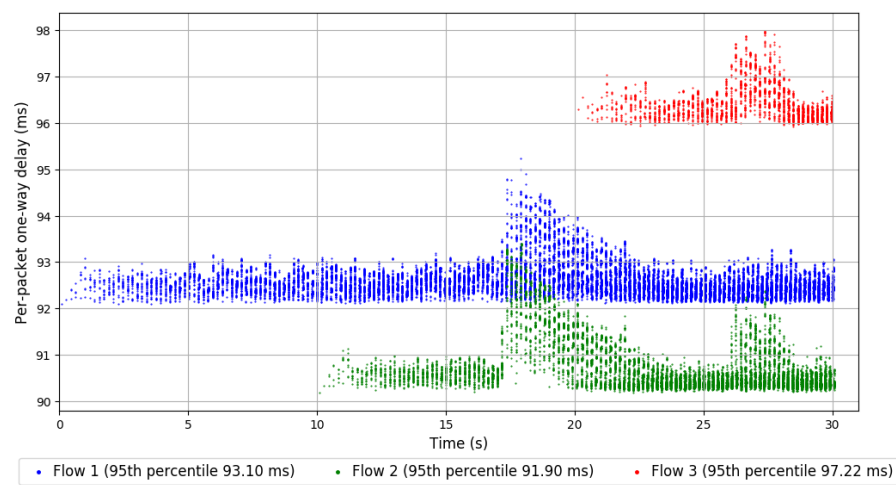
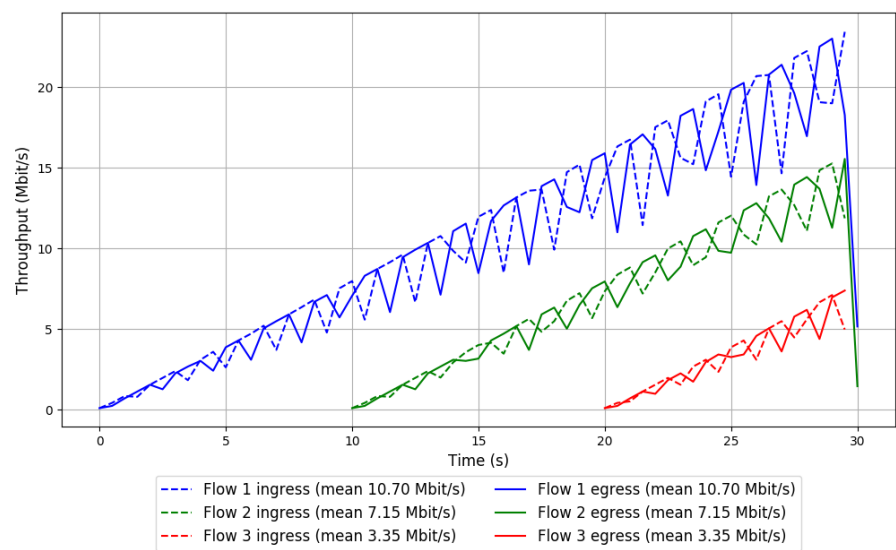
-- Flow 3:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 97.225 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

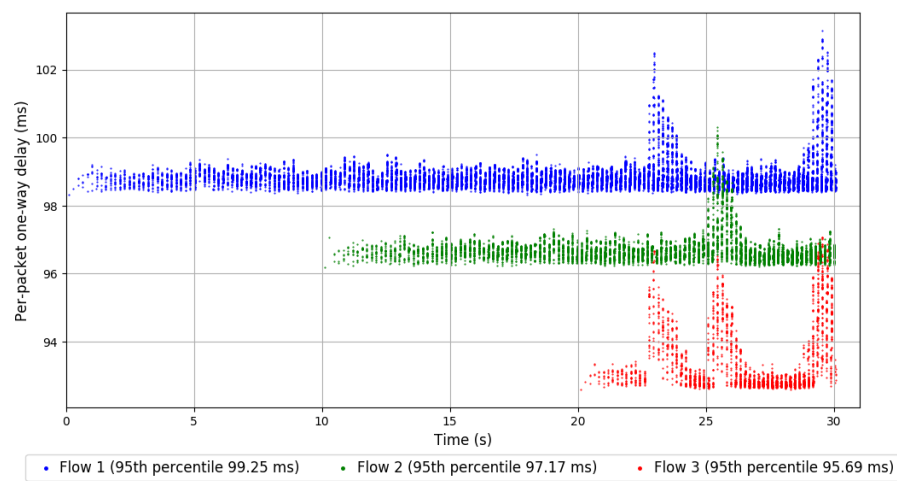
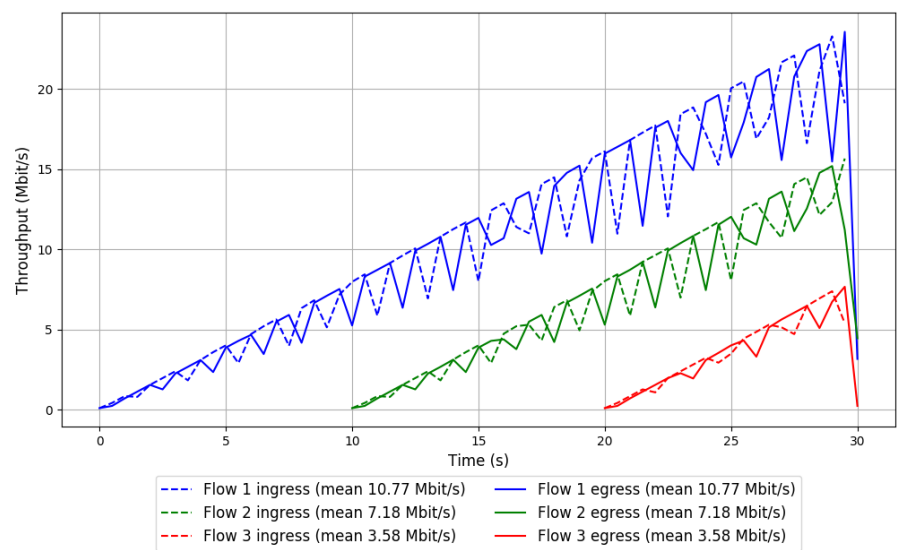


Run 8: Statistics of LEDBAT

Start at: 2018-04-03 23:56:50
End at: 2018-04-03 23:57:20
Local clock offset: -7.908 ms
Remote clock offset: 4.148 ms

Below is generated by plot.py at 2018-04-04 01:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.73 Mbit/s
95th percentile per-packet one-way delay: 99.137 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 99.253 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 97.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 95.691 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-04 00:20:57

End at: 2018-04-04 00:21:27

Local clock offset: 0.803 ms

Remote clock offset: 4.689 ms

Below is generated by plot.py at 2018-04-04 01:32:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.04 Mbit/s

95th percentile per-packet one-way delay: 90.990 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.09 Mbit/s

95th percentile per-packet one-way delay: 90.223 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 91.809 ms

Loss rate: 0.00%

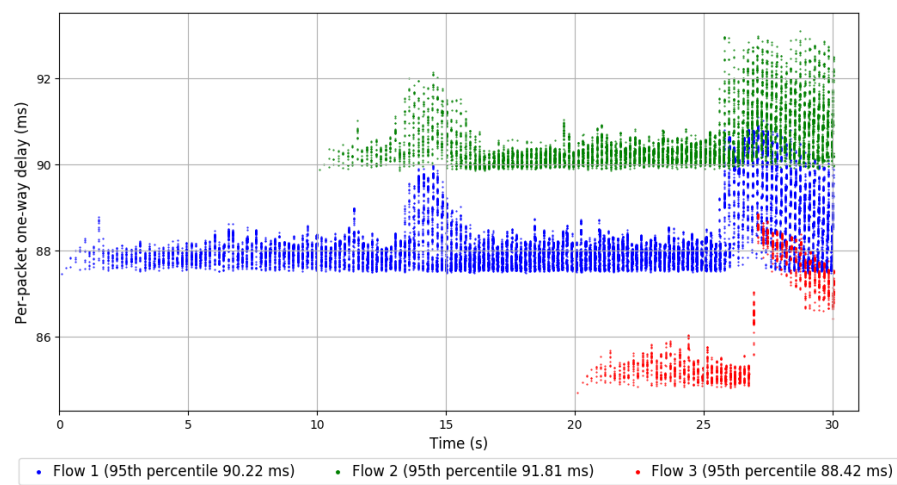
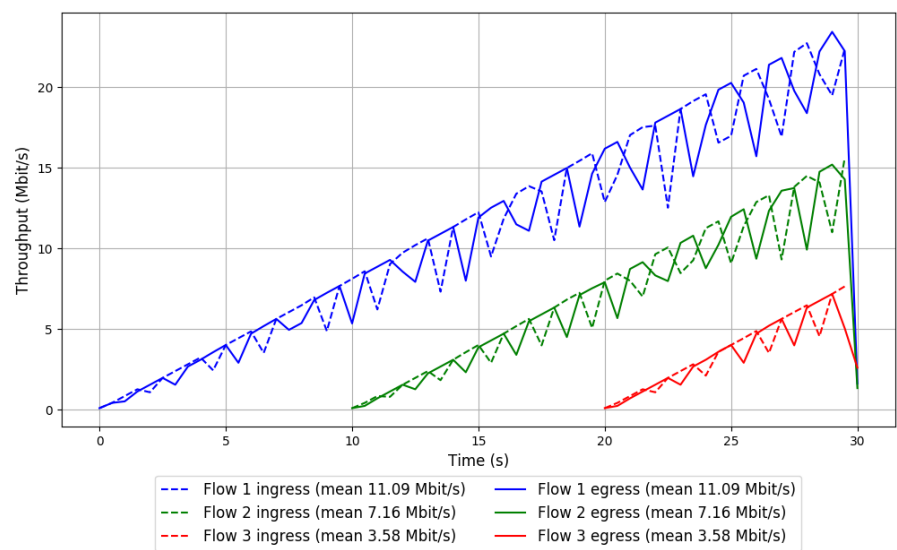
-- Flow 3:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 88.425 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

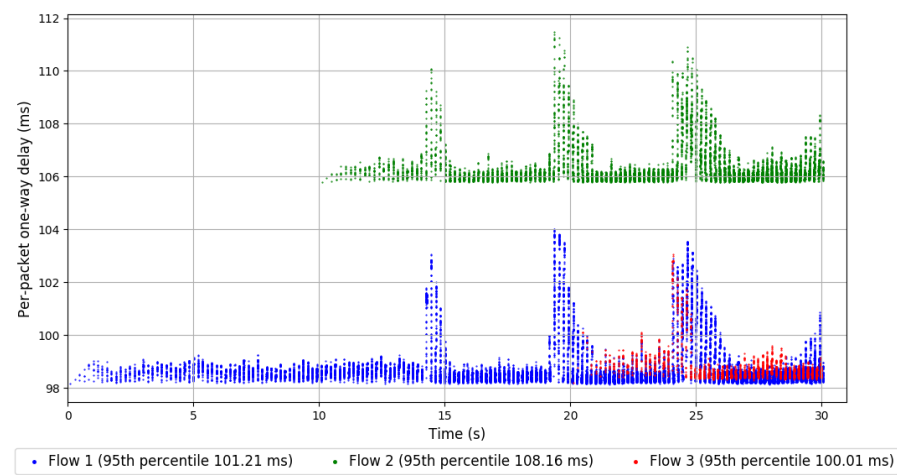
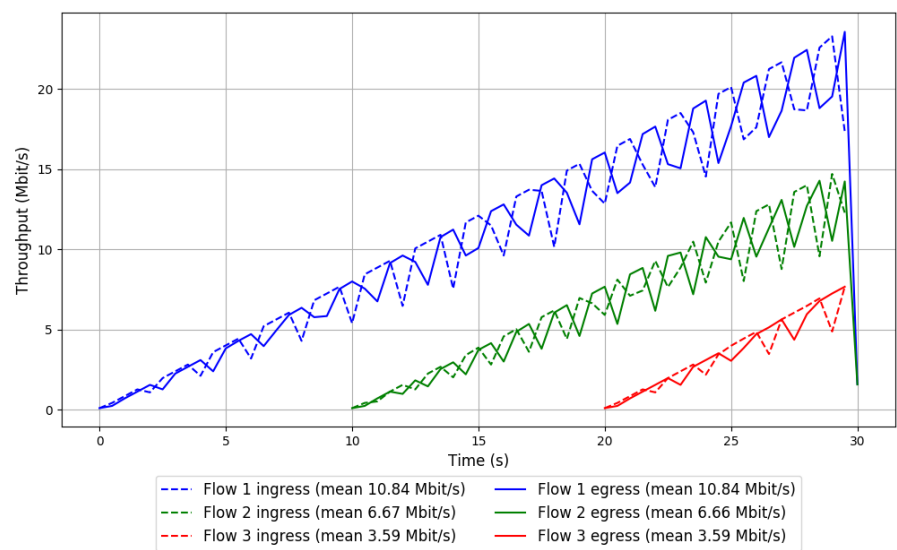


Run 10: Statistics of LEDBAT

Start at: 2018-04-04 00:44:59
End at: 2018-04-04 00:45:29
Local clock offset: -4.061 ms
Remote clock offset: 10.477 ms

Below is generated by plot.py at 2018-04-04 01:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 106.582 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 101.211 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 108.156 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 100.010 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

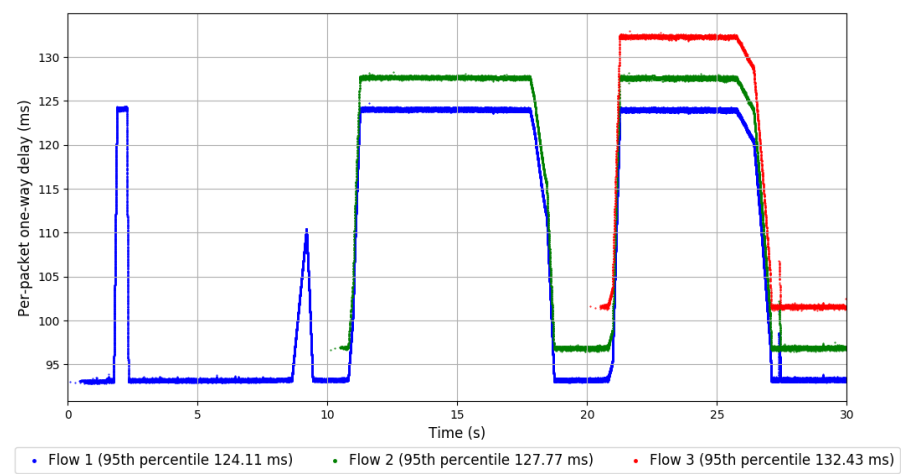
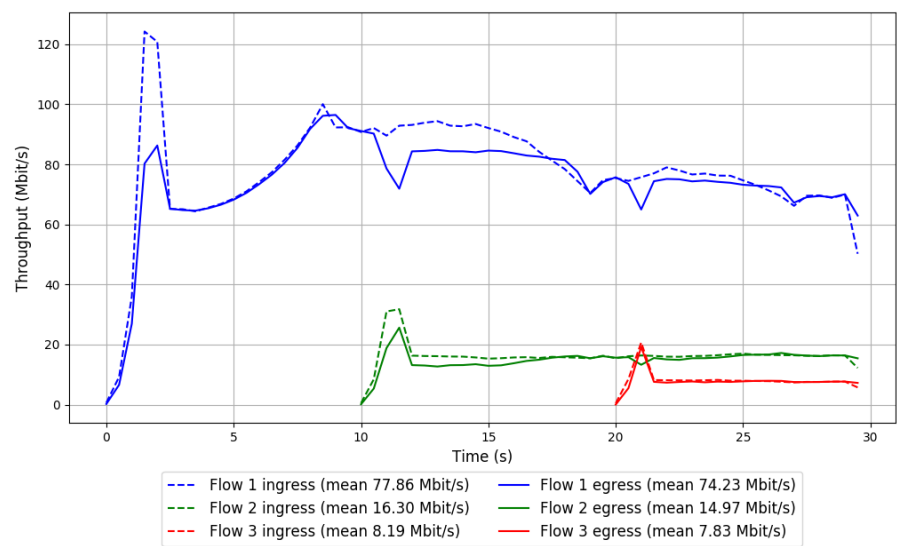


```
Run 1: Statistics of PCC

Start at: 2018-04-03 21:07:21
End at: 2018-04-03 21:07:51
Local clock offset: -7.709 ms
Remote clock offset: 6.484 ms

# Below is generated by plot.py at 2018-04-04 01:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 127.624 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 124.109 ms
Loss rate: 4.66%
-- Flow 2:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 127.767 ms
Loss rate: 8.15%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 132.433 ms
Loss rate: 4.40%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-04-03 21:32:05

End at: 2018-04-03 21:32:35

Local clock offset: -3.28 ms

Remote clock offset: 4.879 ms

Below is generated by plot.py at 2018-04-04 01:33:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 132.436 ms

Loss rate: 3.85%

-- Flow 1:

Average throughput: 74.91 Mbit/s

95th percentile per-packet one-way delay: 132.447 ms

Loss rate: 3.56%

-- Flow 2:

Average throughput: 13.85 Mbit/s

95th percentile per-packet one-way delay: 125.621 ms

Loss rate: 5.89%

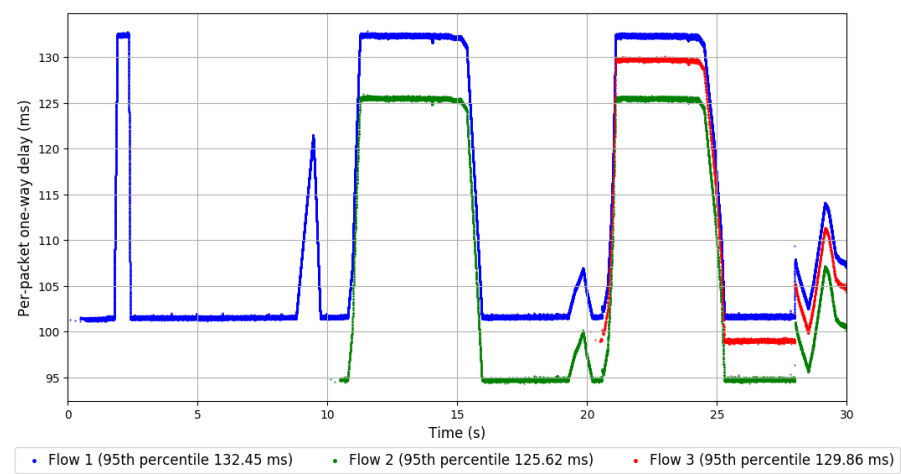
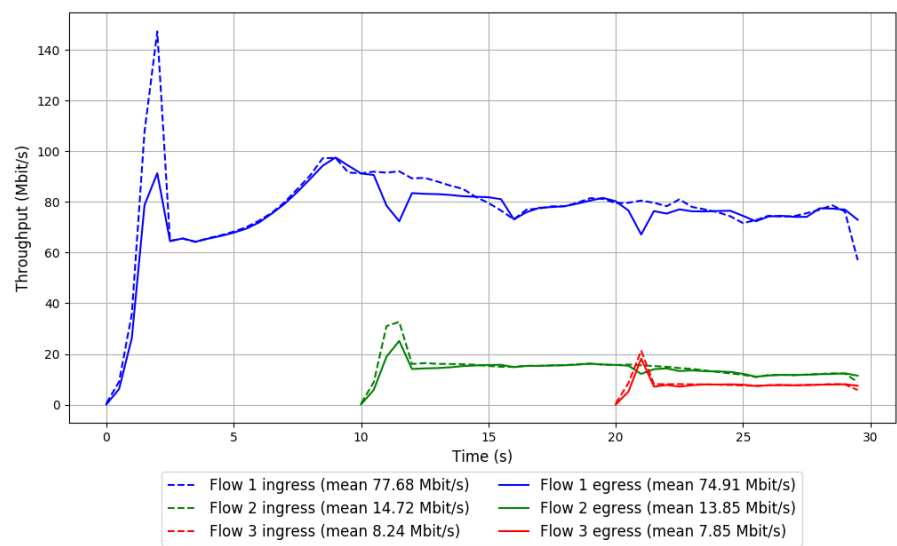
-- Flow 3:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 129.860 ms

Loss rate: 4.67%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-04-03 21:56:03

End at: 2018-04-03 21:56:33

Local clock offset: -5.921 ms

Remote clock offset: 10.77 ms

Below is generated by plot.py at 2018-04-04 01:33:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.70 Mbit/s

95th percentile per-packet one-way delay: 133.429 ms

Loss rate: 3.01%

-- Flow 1:

Average throughput: 78.24 Mbit/s

95th percentile per-packet one-way delay: 133.406 ms

Loss rate: 2.82%

-- Flow 2:

Average throughput: 8.66 Mbit/s

95th percentile per-packet one-way delay: 129.869 ms

Loss rate: 3.95%

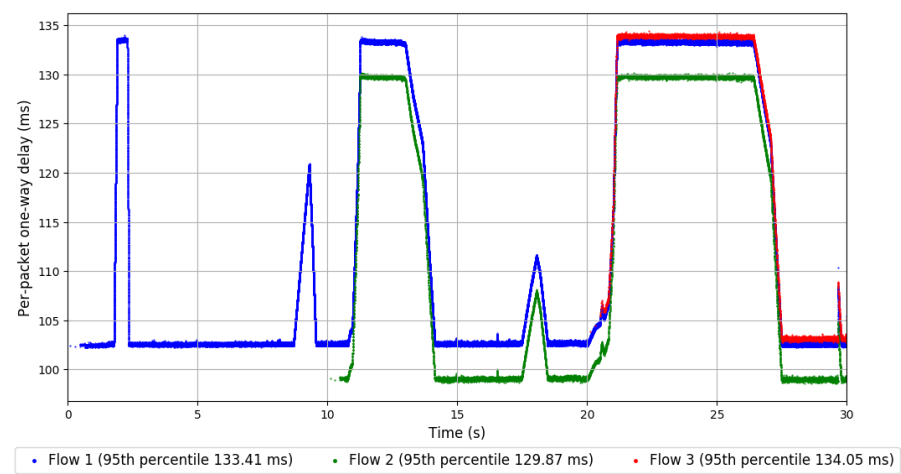
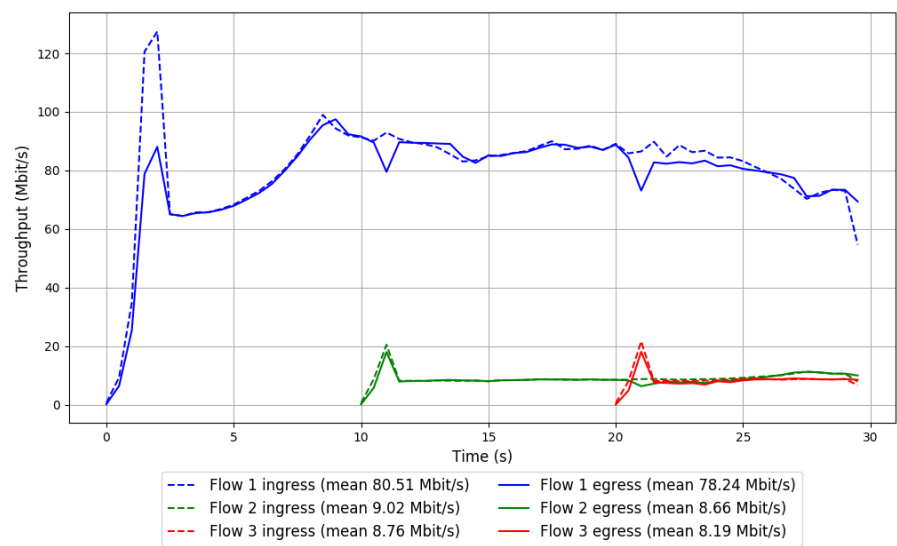
-- Flow 3:

Average throughput: 8.19 Mbit/s

95th percentile per-packet one-way delay: 134.048 ms

Loss rate: 6.51%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-04-03 22:20:01

End at: 2018-04-03 22:20:31

Local clock offset: -8.028 ms

Remote clock offset: 4.786 ms

Below is generated by plot.py at 2018-04-04 01:33:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 133.052 ms

Loss rate: 3.37%

-- Flow 1:

Average throughput: 78.63 Mbit/s

95th percentile per-packet one-way delay: 133.059 ms

Loss rate: 3.13%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 126.024 ms

Loss rate: 4.69%

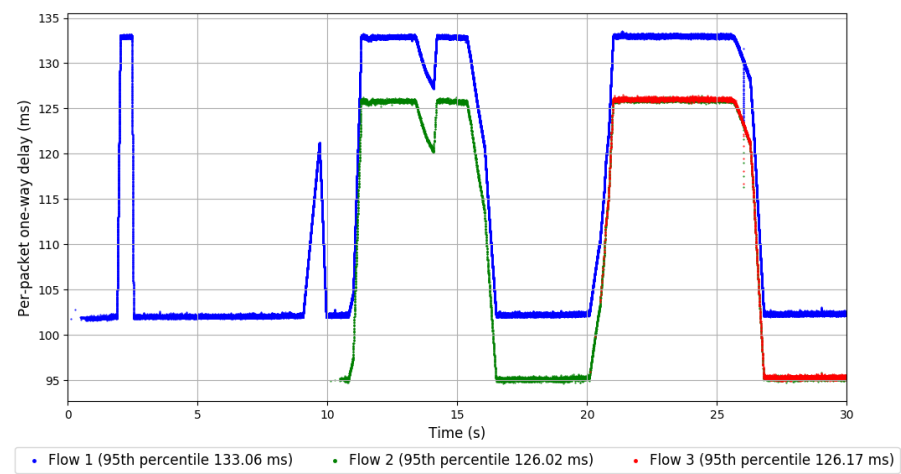
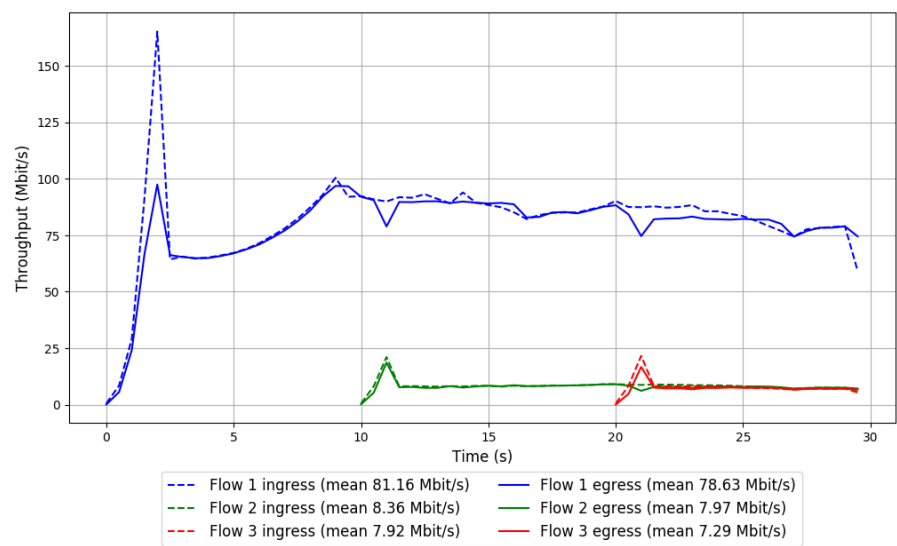
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 126.172 ms

Loss rate: 7.98%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-04-03 22:43:57

End at: 2018-04-03 22:44:27

Local clock offset: -2.931 ms

Remote clock offset: 5.638 ms

Below is generated by plot.py at 2018-04-04 01:33:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 125.453 ms

Loss rate: 3.71%

-- Flow 1:

Average throughput: 78.95 Mbit/s

95th percentile per-packet one-way delay: 125.320 ms

Loss rate: 3.45%

-- Flow 2:

Average throughput: 8.26 Mbit/s

95th percentile per-packet one-way delay: 126.407 ms

Loss rate: 5.60%

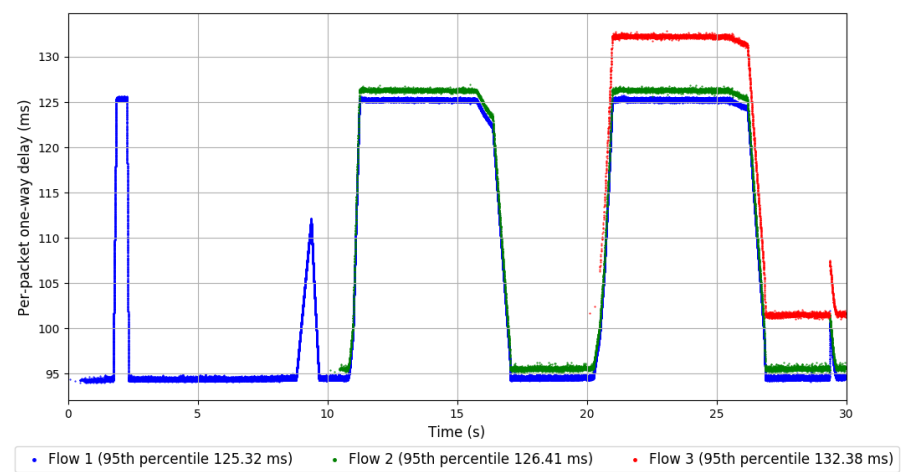
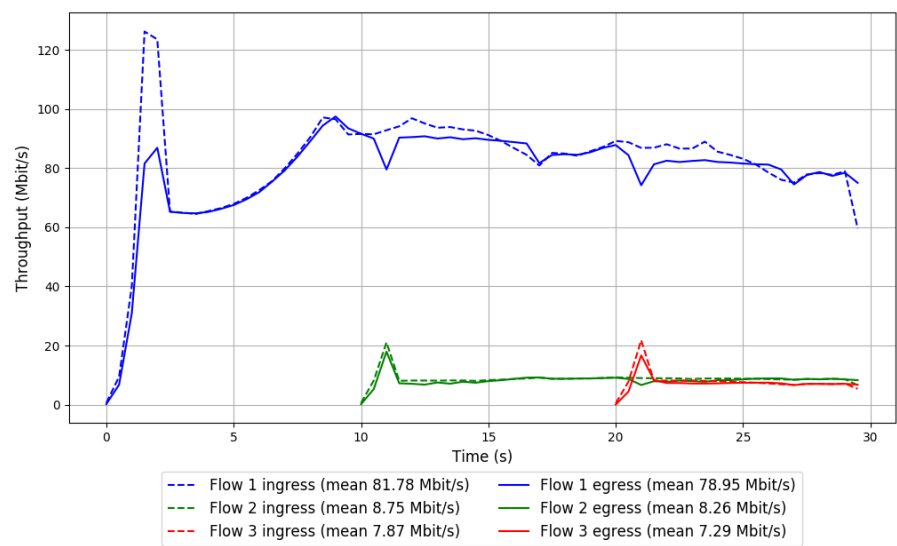
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 132.375 ms

Loss rate: 7.44%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-04-03 23:07:44

End at: 2018-04-03 23:08:14

Local clock offset: -5.751 ms

Remote clock offset: 12.04 ms

Below is generated by plot.py at 2018-04-04 01:33:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 129.903 ms

Loss rate: 3.10%

-- Flow 1:

Average throughput: 79.00 Mbit/s

95th percentile per-packet one-way delay: 129.897 ms

Loss rate: 2.96%

-- Flow 2:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 129.923 ms

Loss rate: 4.16%

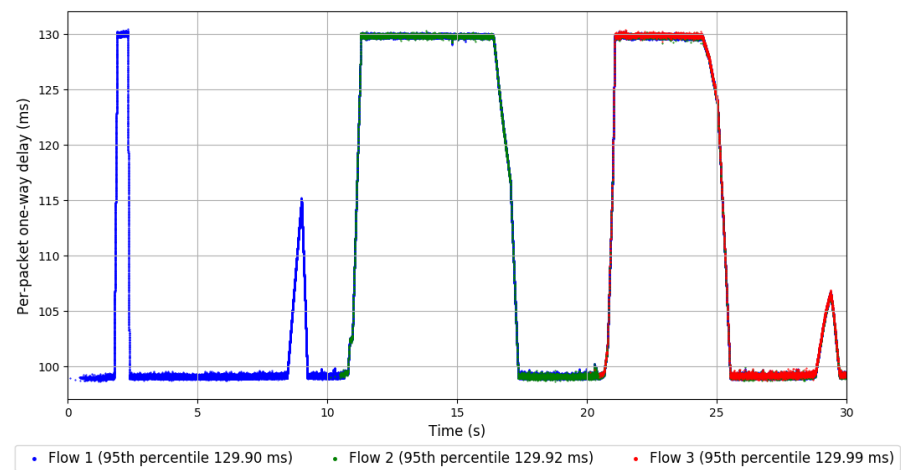
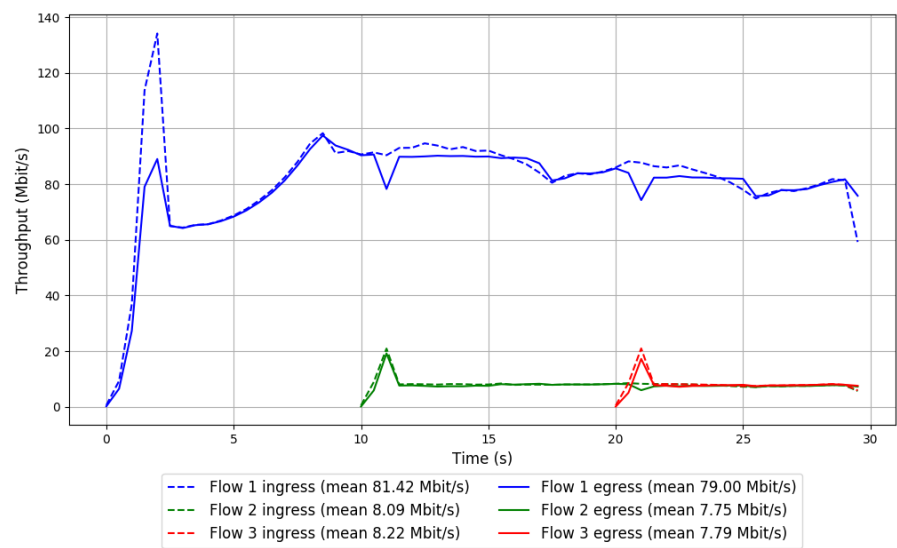
-- Flow 3:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 129.993 ms

Loss rate: 5.20%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-04-03 23:31:31

End at: 2018-04-03 23:32:01

Local clock offset: -7.352 ms

Remote clock offset: 5.973 ms

Below is generated by plot.py at 2018-04-04 01:33:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.66 Mbit/s

95th percentile per-packet one-way delay: 134.348 ms

Loss rate: 3.73%

-- Flow 1:

Average throughput: 78.01 Mbit/s

95th percentile per-packet one-way delay: 134.355 ms

Loss rate: 3.51%

-- Flow 2:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 129.406 ms

Loss rate: 5.46%

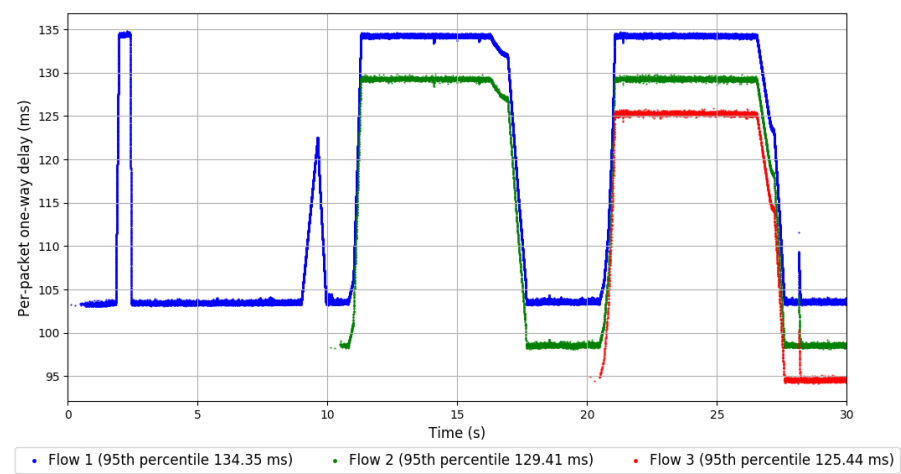
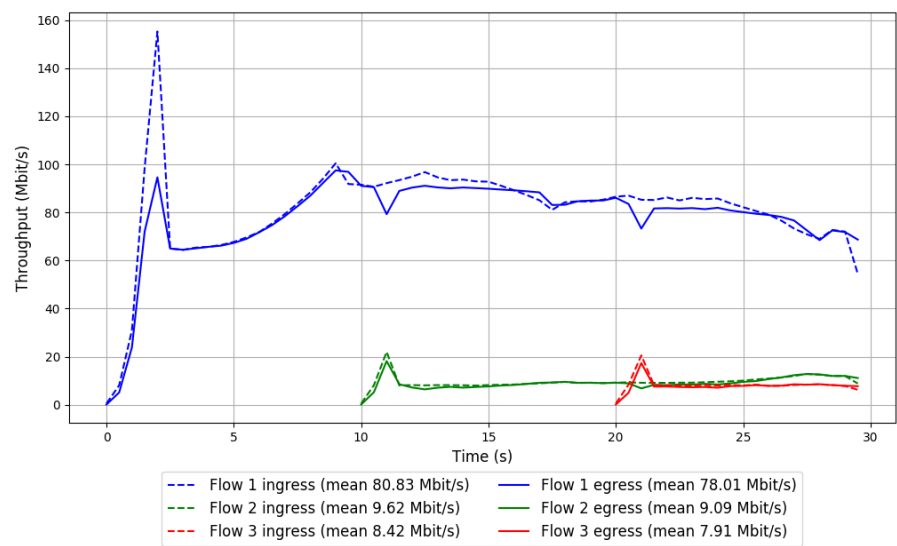
-- Flow 3:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 125.436 ms

Loss rate: 6.09%

Run 7: Report of PCC — Data Link

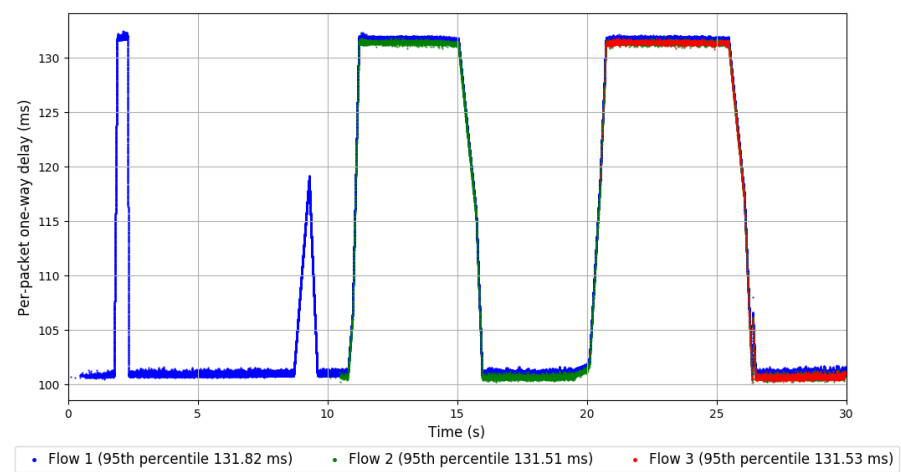
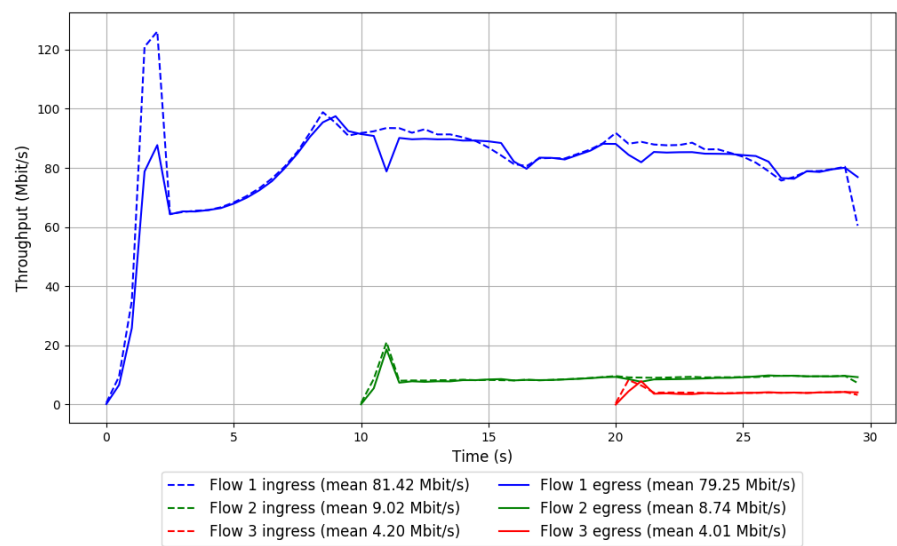


Run 8: Statistics of PCC

Start at: 2018-04-03 23:55:32
End at: 2018-04-03 23:56:02
Local clock offset: -7.899 ms
Remote clock offset: 10.454 ms

Below is generated by plot.py at 2018-04-04 01:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 131.811 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 131.817 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 8.74 Mbit/s
95th percentile per-packet one-way delay: 131.508 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 131.528 ms
Loss rate: 4.60%

Run 8: Report of PCC — Data Link

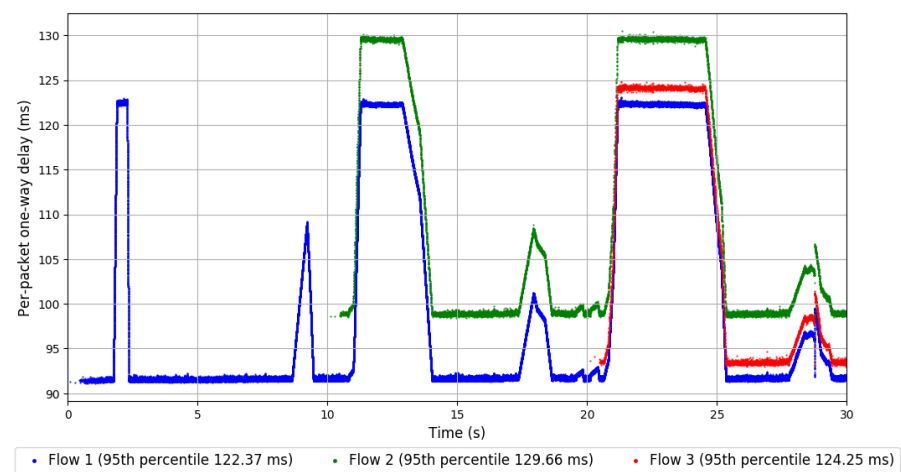
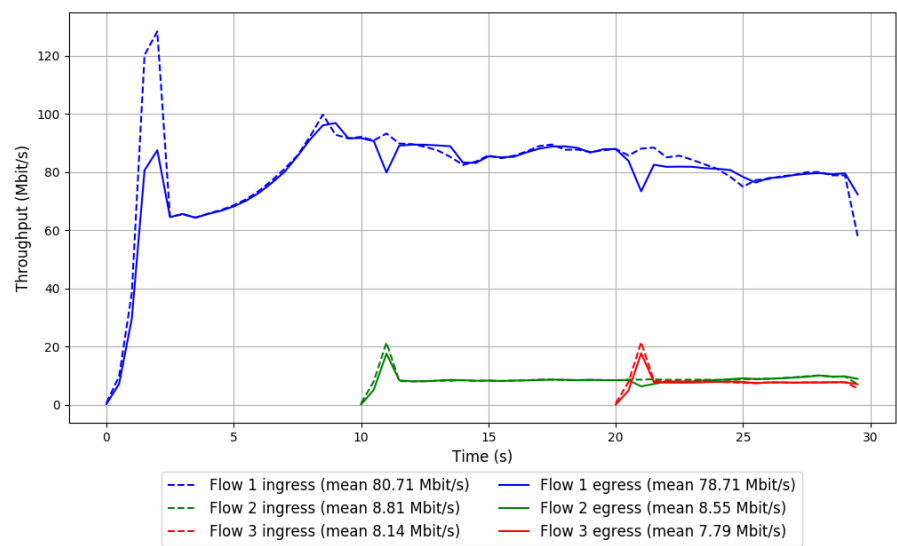


Run 9: Statistics of PCC

Start at: 2018-04-04 00:19:39
End at: 2018-04-04 00:20:09
Local clock offset: 0.226 ms
Remote clock offset: 10.439 ms

Below is generated by plot.py at 2018-04-04 01:34:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 122.434 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 78.71 Mbit/s
95th percentile per-packet one-way delay: 122.370 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 129.663 ms
Loss rate: 2.96%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 124.252 ms
Loss rate: 4.38%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-04-04 00:43:41

End at: 2018-04-04 00:44:11

Local clock offset: -6.23 ms

Remote clock offset: 6.485 ms

Below is generated by plot.py at 2018-04-04 01:34:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.87 Mbit/s

95th percentile per-packet one-way delay: 125.435 ms

Loss rate: 3.89%

-- Flow 1:

Average throughput: 73.60 Mbit/s

95th percentile per-packet one-way delay: 124.206 ms

Loss rate: 3.59%

-- Flow 2:

Average throughput: 16.26 Mbit/s

95th percentile per-packet one-way delay: 125.647 ms

Loss rate: 5.24%

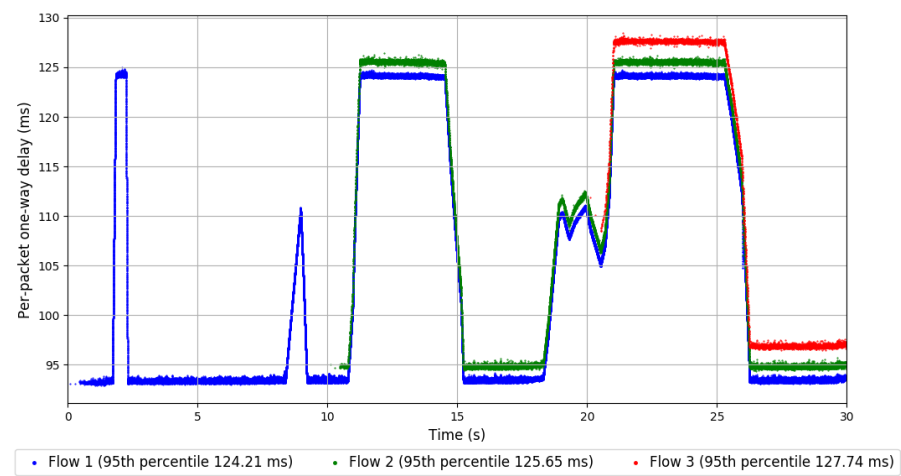
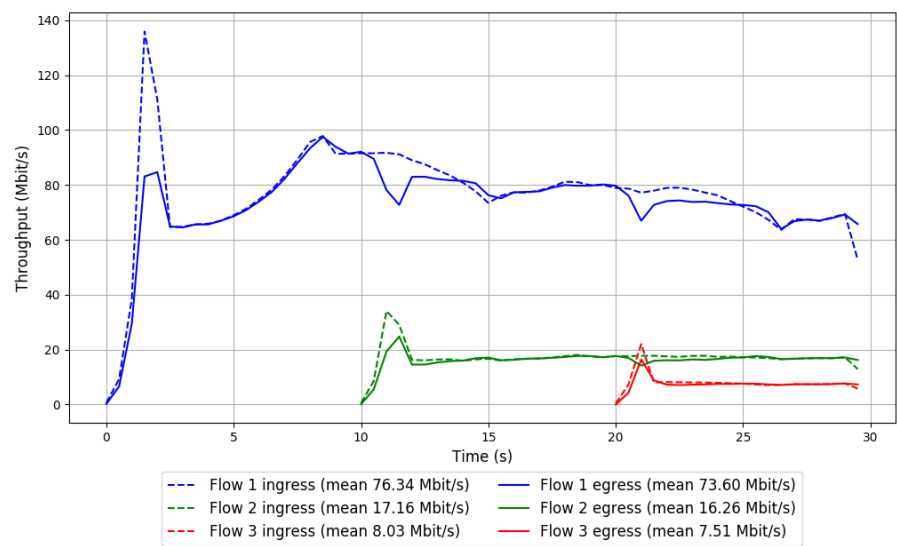
-- Flow 3:

Average throughput: 7.51 Mbit/s

95th percentile per-packet one-way delay: 127.743 ms

Loss rate: 6.63%

Run 10: Report of PCC — Data Link

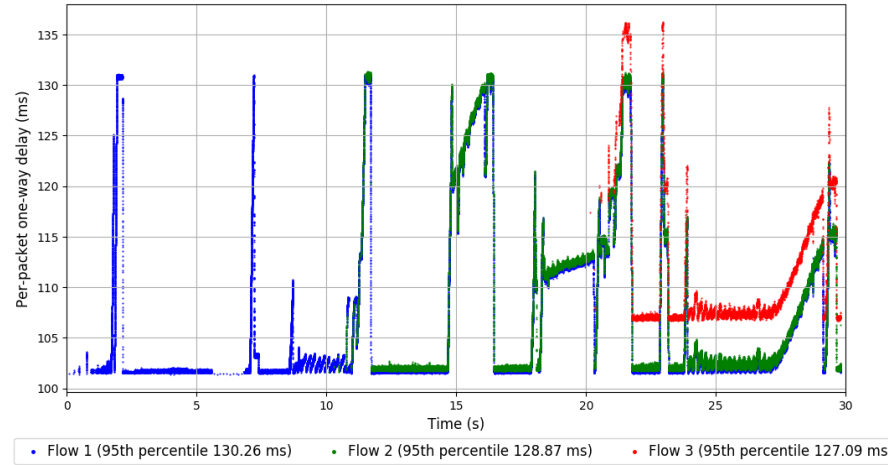
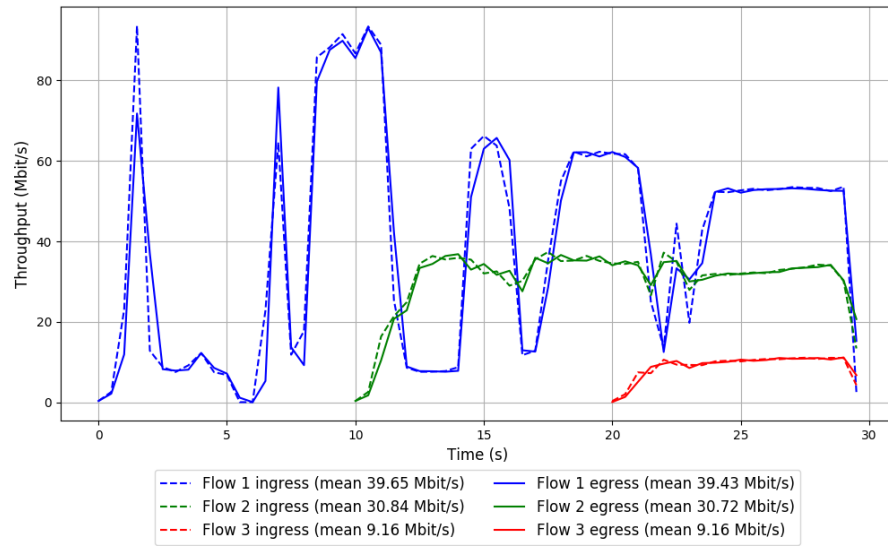


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 21:00:40
End at: 2018-04-03 21:01:10
Local clock offset: -7.358 ms
Remote clock offset: 11.307 ms

Below is generated by plot.py at 2018-04-04 01:34:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 129.838 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 130.265 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 128.867 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 127.088 ms
Loss rate: 0.17%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 21:25:26

End at: 2018-04-03 21:25:56

Local clock offset: -3.939 ms

Remote clock offset: 4.198 ms

Below is generated by plot.py at 2018-04-04 01:34:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.31 Mbit/s

95th percentile per-packet one-way delay: 116.876 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 40.48 Mbit/s

95th percentile per-packet one-way delay: 120.057 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 111.599 ms

Loss rate: 1.47%

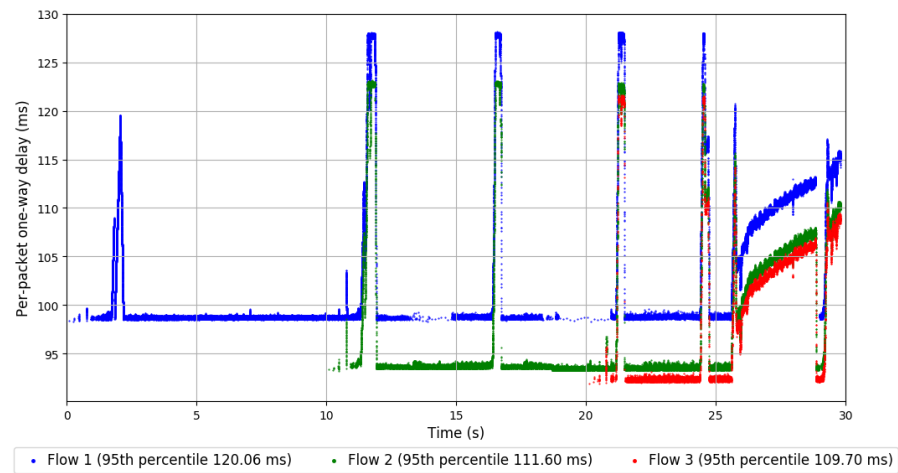
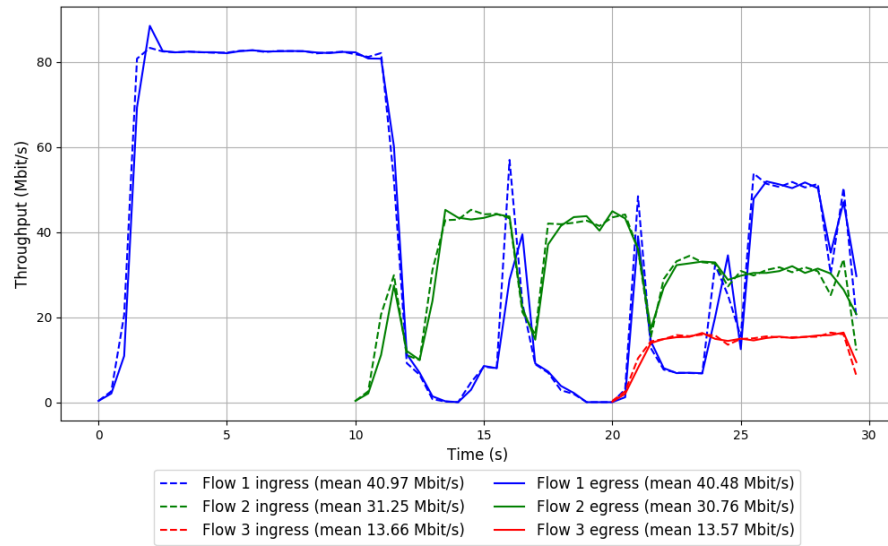
-- Flow 3:

Average throughput: 13.57 Mbit/s

95th percentile per-packet one-way delay: 109.700 ms

Loss rate: 0.44%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 21:49:24

End at: 2018-04-03 21:49:54

Local clock offset: -4.11 ms

Remote clock offset: 5.044 ms

Below is generated by plot.py at 2018-04-04 01:34:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.86 Mbit/s

95th percentile per-packet one-way delay: 119.112 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 46.46 Mbit/s

95th percentile per-packet one-way delay: 119.864 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 17.86 Mbit/s

95th percentile per-packet one-way delay: 119.353 ms

Loss rate: 0.30%

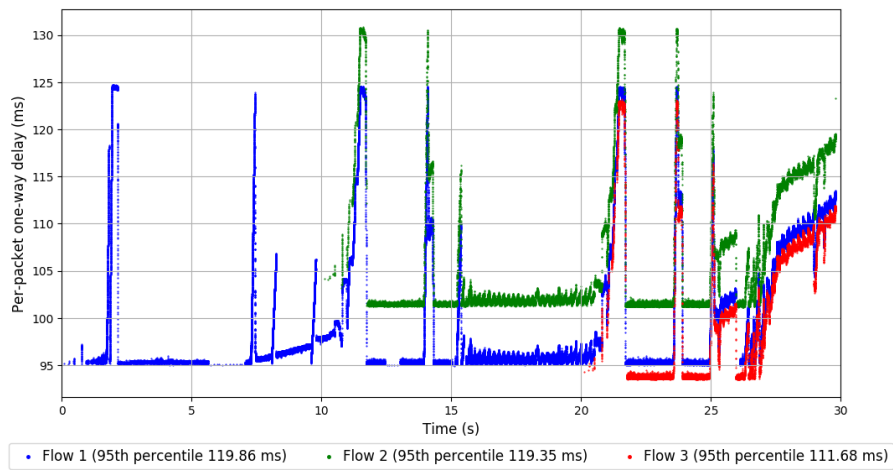
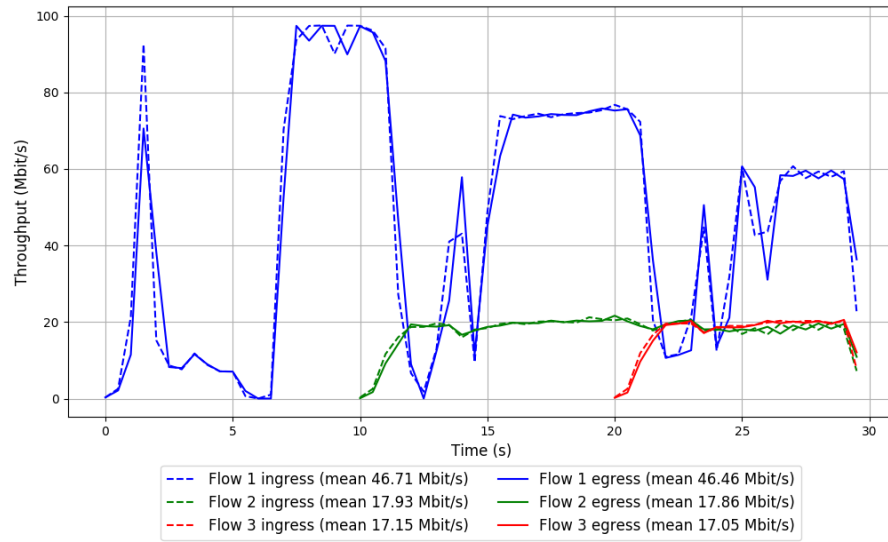
-- Flow 3:

Average throughput: 17.05 Mbit/s

95th percentile per-packet one-way delay: 111.684 ms

Loss rate: 0.39%

Run 3: Report of QUIC Cubic — Data Link

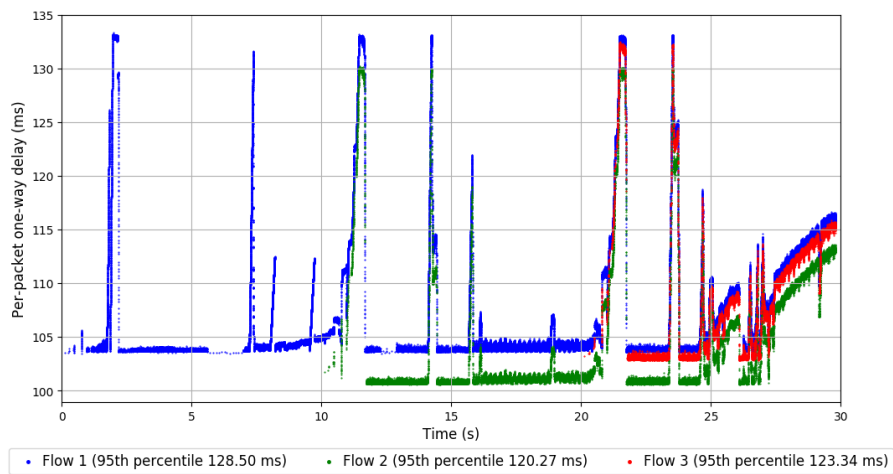
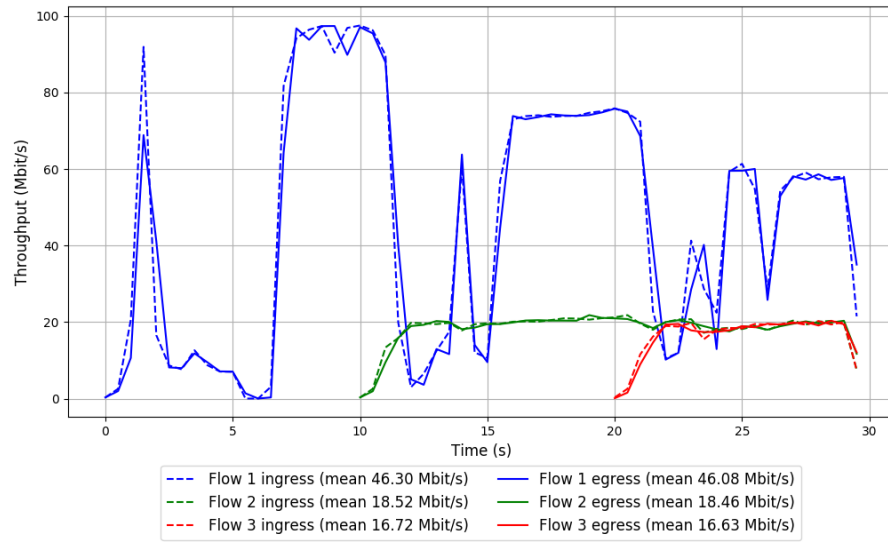


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-03 22:13:22
End at: 2018-04-03 22:13:52
Local clock offset: -7.669 ms
Remote clock offset: 11.159 ms

Below is generated by plot.py at 2018-04-04 01:35:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.74 Mbit/s
95th percentile per-packet one-way delay: 125.689 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 128.501 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 120.274 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 16.63 Mbit/s
95th percentile per-packet one-way delay: 123.336 ms
Loss rate: 0.41%

Run 4: Report of QUIC Cubic — Data Link

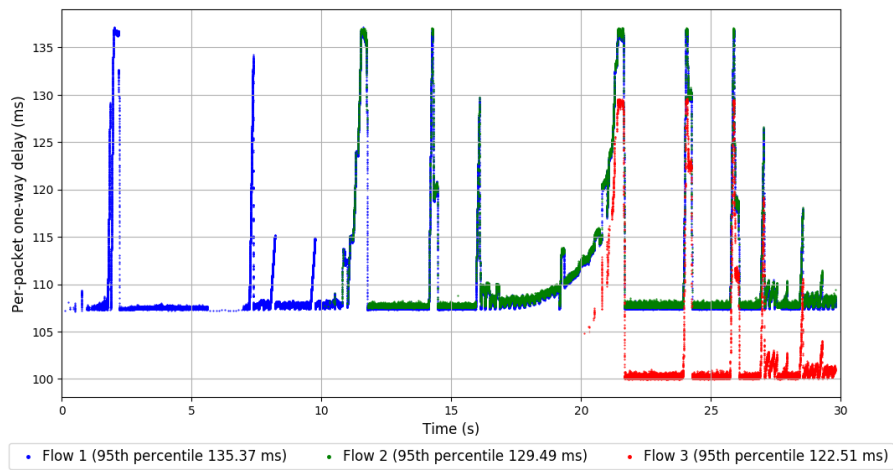
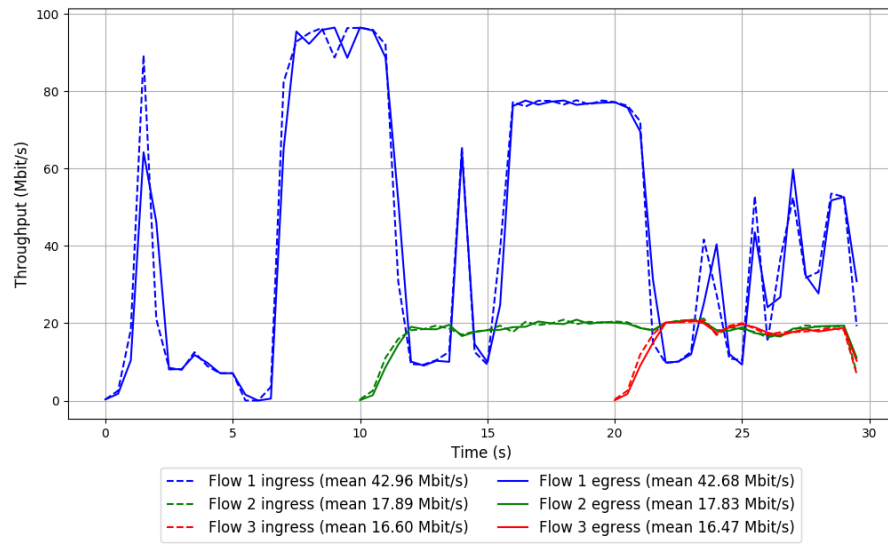


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 22:37:17
End at: 2018-04-03 22:37:47
Local clock offset: -3.447 ms
Remote clock offset: 12.092 ms

Below is generated by plot.py at 2018-04-04 01:35:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.86 Mbit/s
95th percentile per-packet one-way delay: 132.949 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 135.367 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 17.83 Mbit/s
95th percentile per-packet one-way delay: 129.491 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 122.513 ms
Loss rate: 0.83%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-03 23:01:04

End at: 2018-04-03 23:01:34

Local clock offset: -4.546 ms

Remote clock offset: 6.423 ms

Below is generated by plot.py at 2018-04-04 01:35:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.75 Mbit/s

95th percentile per-packet one-way delay: 123.197 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 46.29 Mbit/s

95th percentile per-packet one-way delay: 125.986 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 18.02 Mbit/s

95th percentile per-packet one-way delay: 118.400 ms

Loss rate: 0.26%

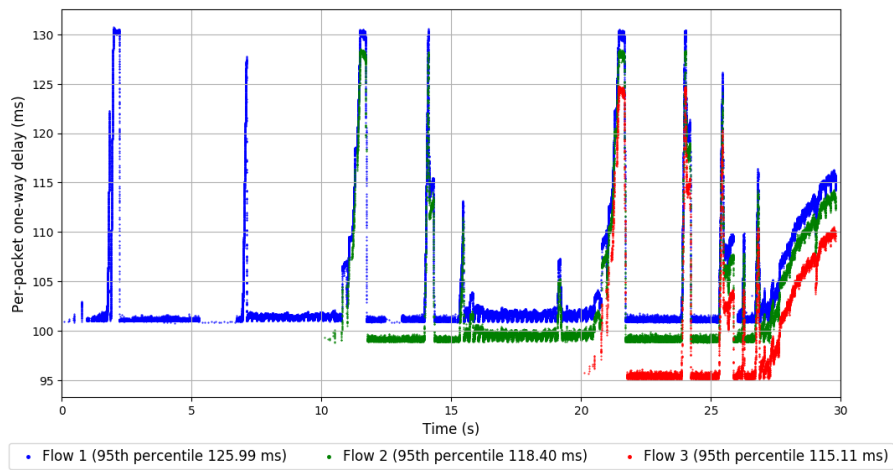
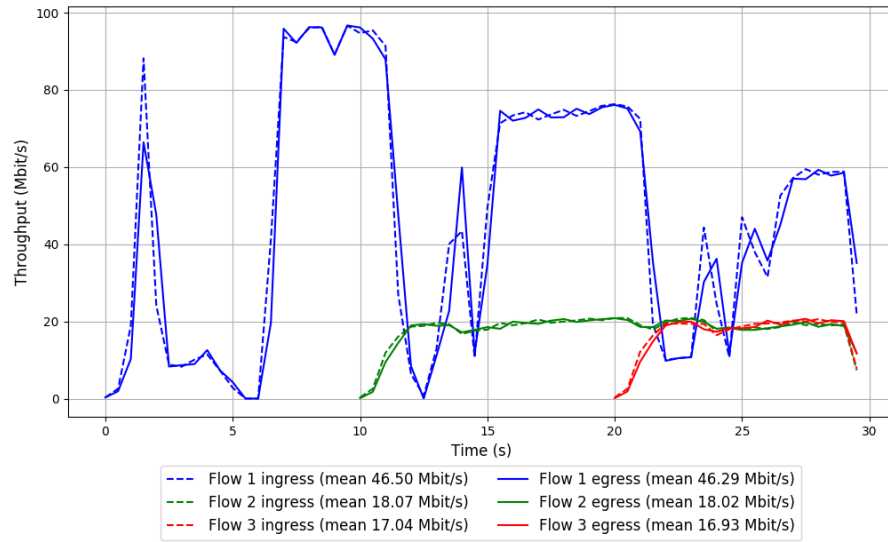
-- Flow 3:

Average throughput: 16.93 Mbit/s

95th percentile per-packet one-way delay: 115.105 ms

Loss rate: 0.52%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-03 23:24:50

End at: 2018-04-03 23:25:20

Local clock offset: -7.105 ms

Remote clock offset: 6.905 ms

Below is generated by plot.py at 2018-04-04 01:35:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.09 Mbit/s

95th percentile per-packet one-way delay: 119.536 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 43.74 Mbit/s

95th percentile per-packet one-way delay: 119.383 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 19.00 Mbit/s

95th percentile per-packet one-way delay: 120.880 ms

Loss rate: 0.26%

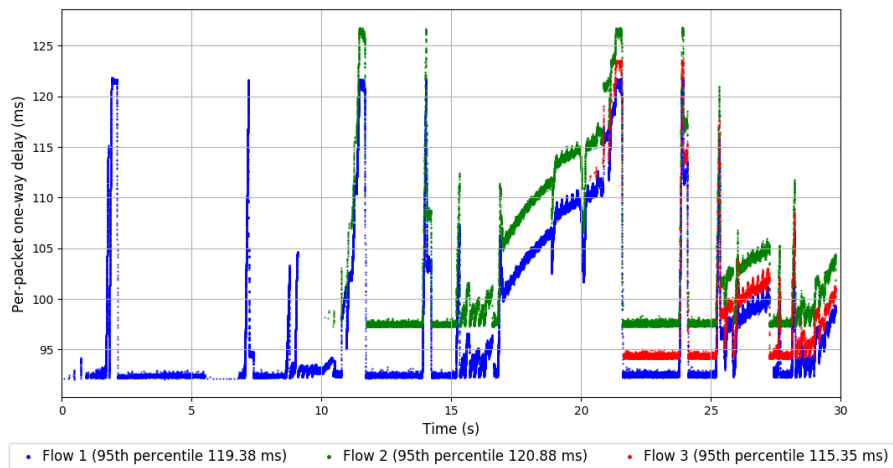
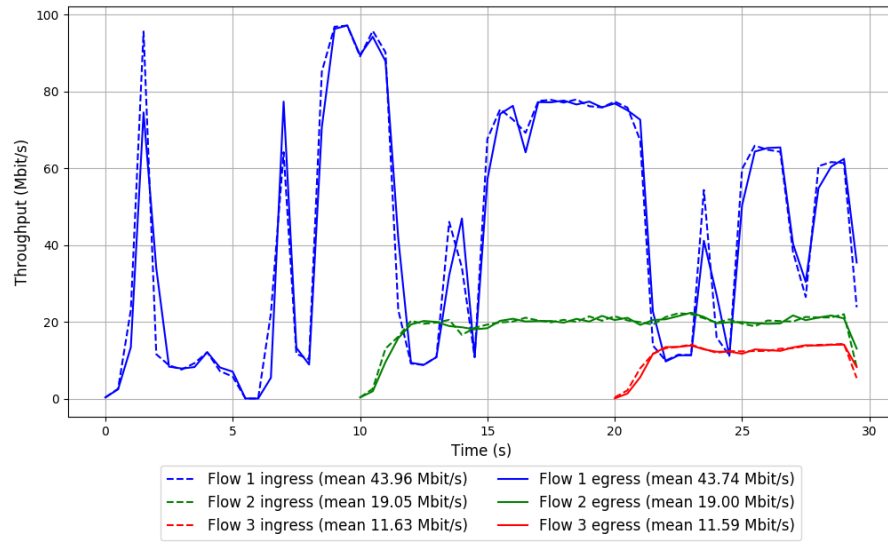
-- Flow 3:

Average throughput: 11.59 Mbit/s

95th percentile per-packet one-way delay: 115.350 ms

Loss rate: 0.47%

Run 7: Report of QUIC Cubic — Data Link

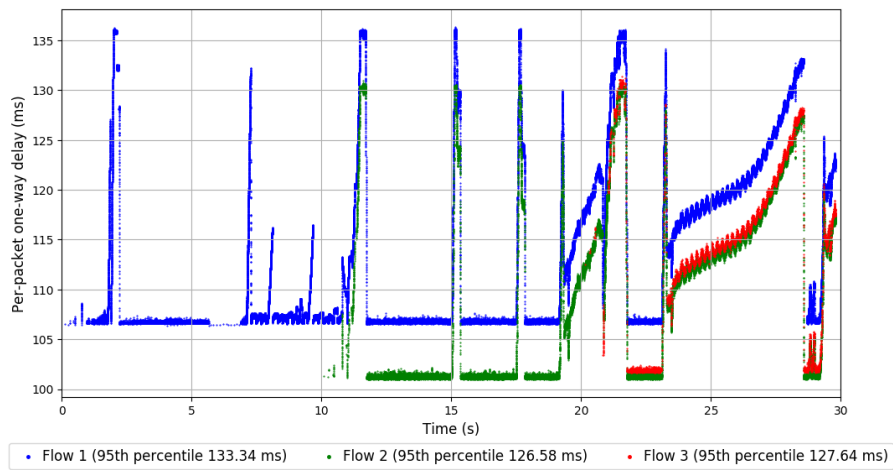
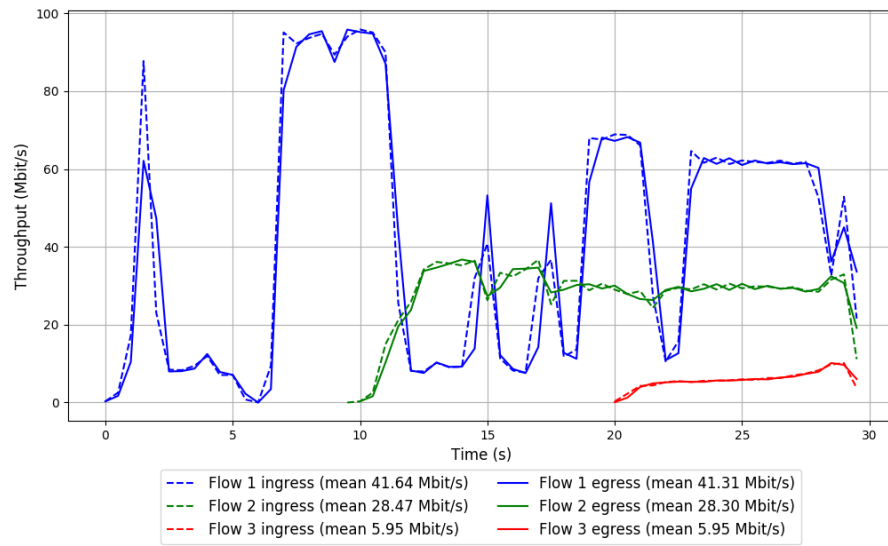


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-03 23:48:50
End at: 2018-04-03 23:49:20
Local clock offset: -7.008 ms
Remote clock offset: 11.571 ms

Below is generated by plot.py at 2018-04-04 01:36:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 132.181 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 133.340 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 126.578 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 127.636 ms
Loss rate: 0.04%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

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

End at: 2018-04-04 00:13:30

Local clock offset: 5.017 ms

Remote clock offset: 4.206 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.40 Mbit/s

95th percentile per-packet one-way delay: 111.412 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 36.72 Mbit/s

95th percentile per-packet one-way delay: 110.055 ms

Loss rate: 2.29%

-- Flow 2:

Average throughput: 30.41 Mbit/s

95th percentile per-packet one-way delay: 108.823 ms

Loss rate: 2.40%

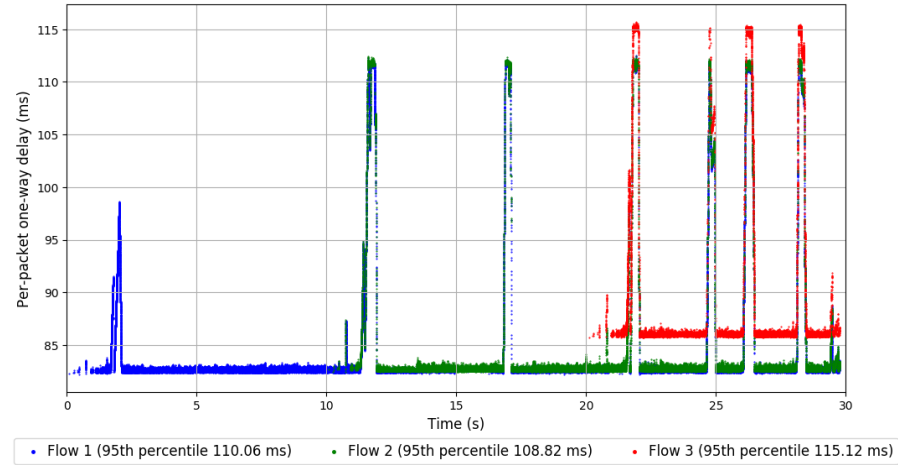
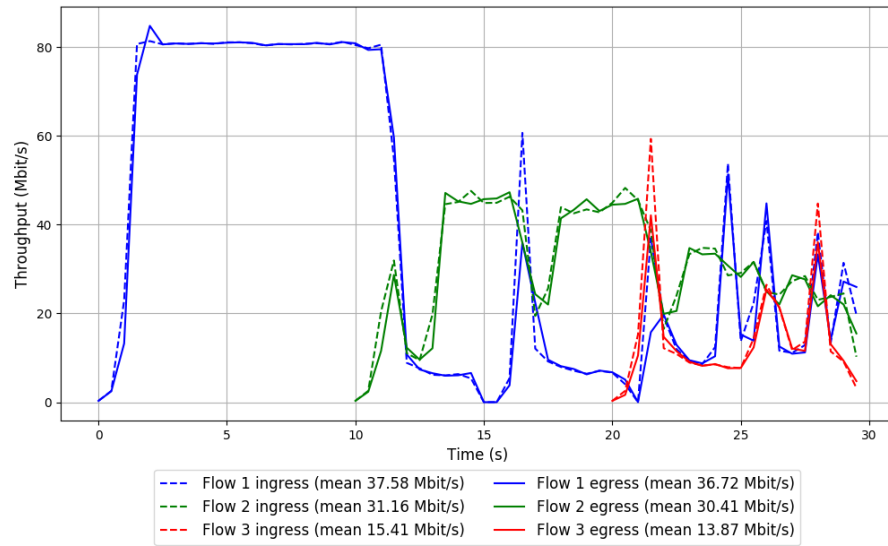
-- Flow 3:

Average throughput: 13.87 Mbit/s

95th percentile per-packet one-way delay: 115.121 ms

Loss rate: 10.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-04 00:37:01

End at: 2018-04-04 00:37:31

Local clock offset: -4.232 ms

Remote clock offset: 9.933 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.90 Mbit/s

95th percentile per-packet one-way delay: 125.765 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 40.72 Mbit/s

95th percentile per-packet one-way delay: 129.190 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 22.01 Mbit/s

95th percentile per-packet one-way delay: 118.755 ms

Loss rate: 0.69%

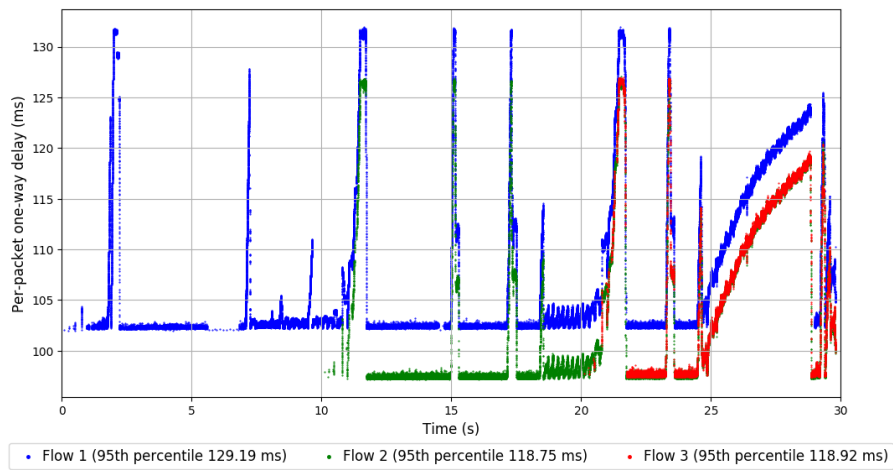
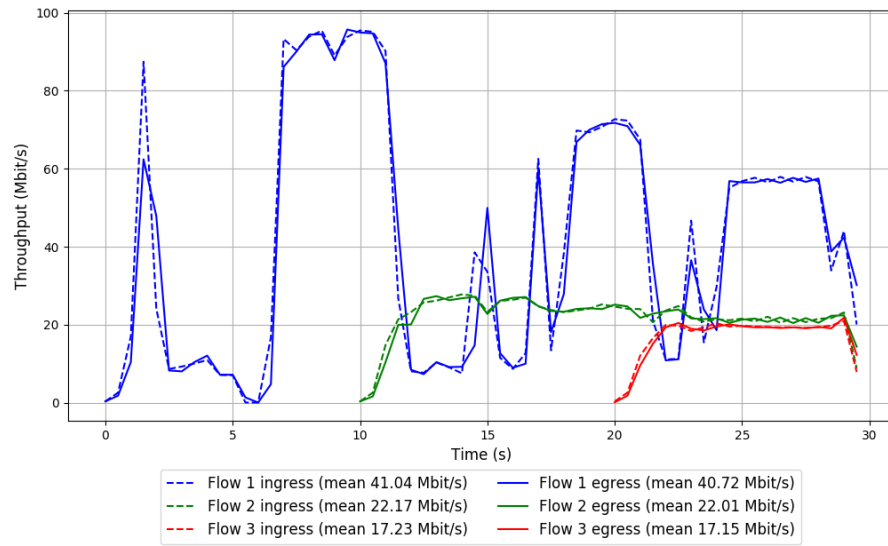
-- Flow 3:

Average throughput: 17.15 Mbit/s

95th percentile per-packet one-way delay: 118.918 ms

Loss rate: 0.41%

Run 10: Report of QUIC Cubic — Data Link

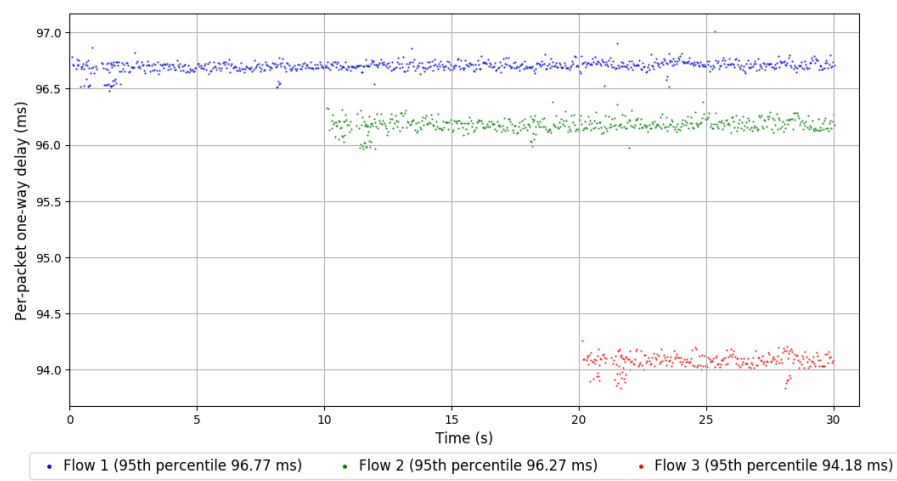
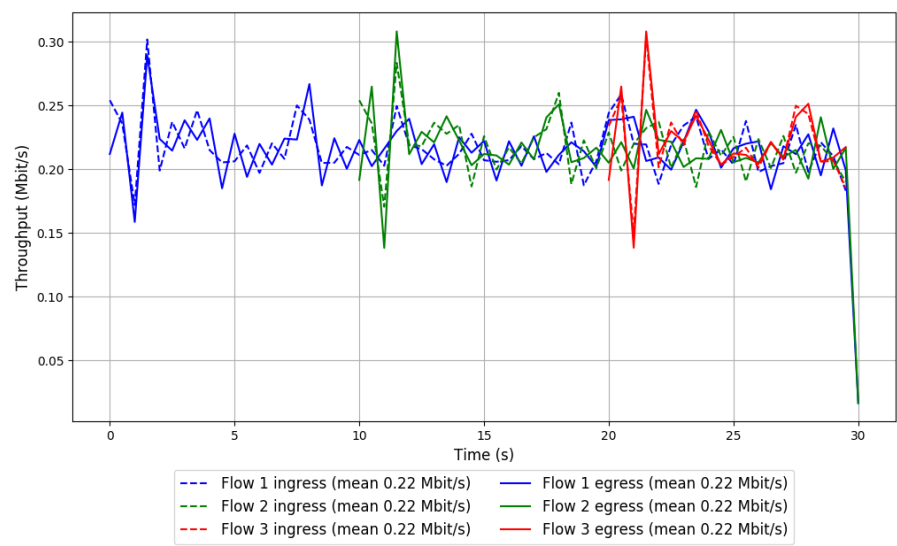


```
Run 1: Statistics of SReAM

Start at: 2018-04-03 21:09:55
End at: 2018-04-03 21:10:25
Local clock offset: -7.933 ms
Remote clock offset: 6.175 ms

# Below is generated by plot.py at 2018-04-04 01:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 96.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.765 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.177 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

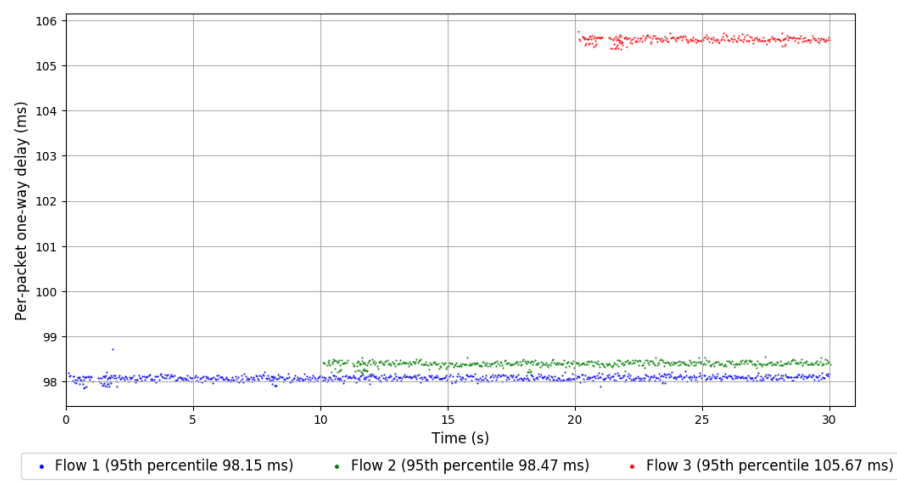
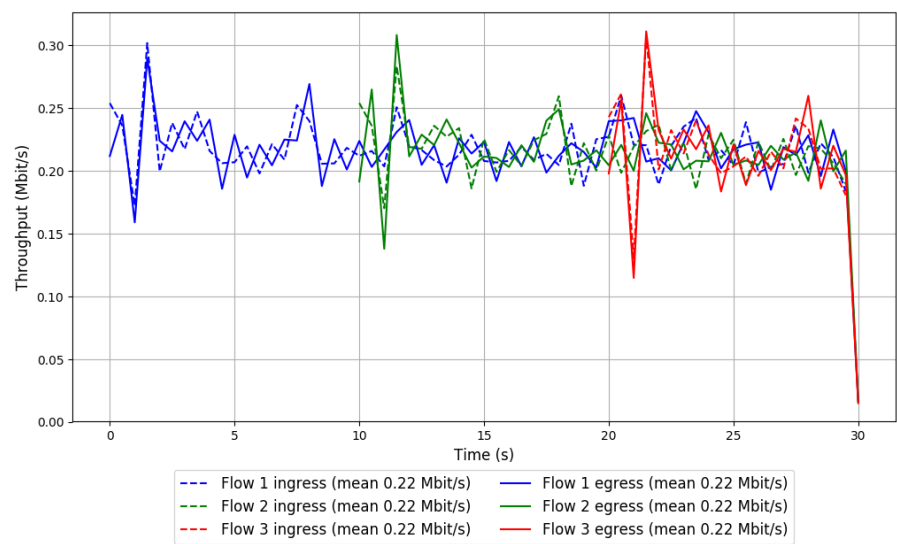


```
Run 2: Statistics of SReAM

Start at: 2018-04-03 21:34:40
End at: 2018-04-03 21:35:10
Local clock offset: -3.121 ms
Remote clock offset: 8.746 ms

# Below is generated by plot.py at 2018-04-04 01:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 105.614 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.151 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.473 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.670 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

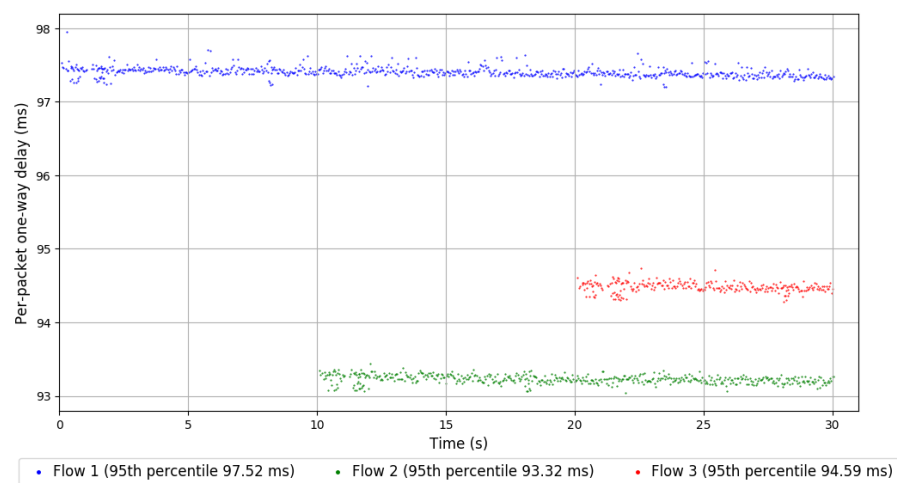
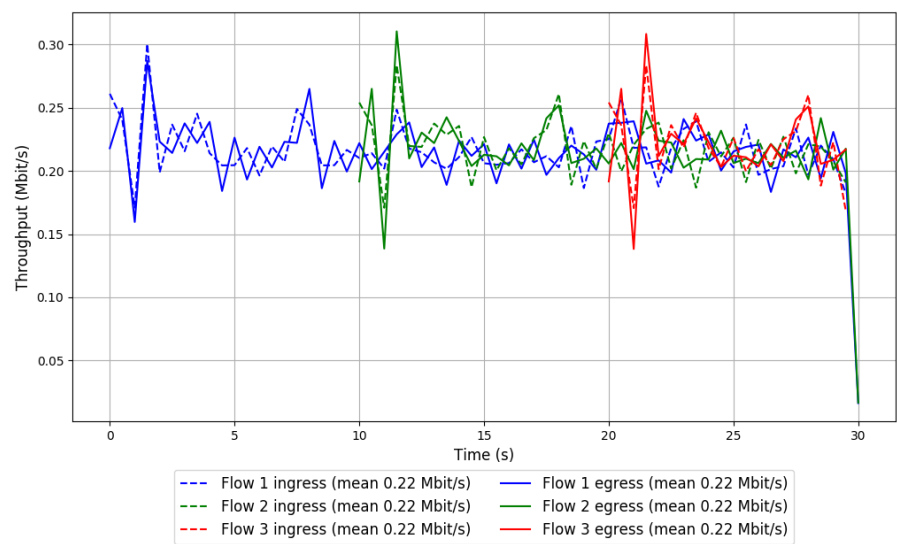


Run 3: Statistics of SReAM

Start at: 2018-04-03 21:58:37
End at: 2018-04-03 21:59:07
Local clock offset: -6.368 ms
Remote clock offset: 5.467 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 97.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.323 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.592 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

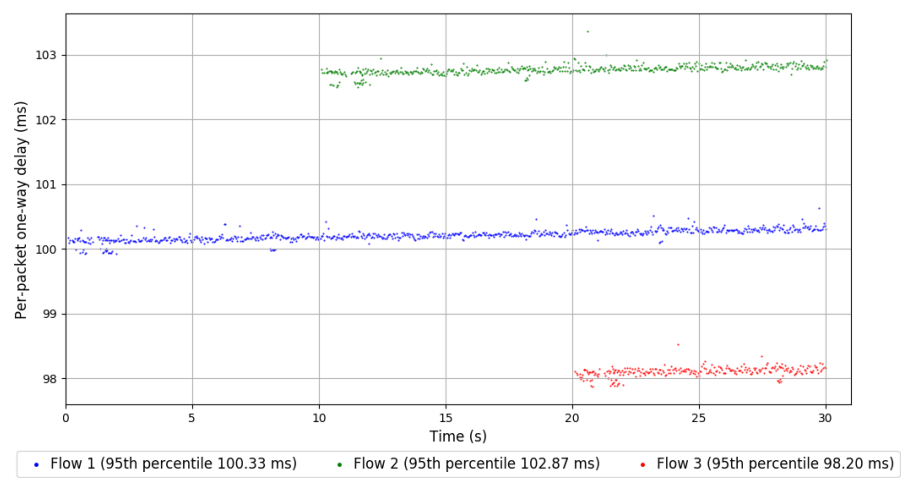
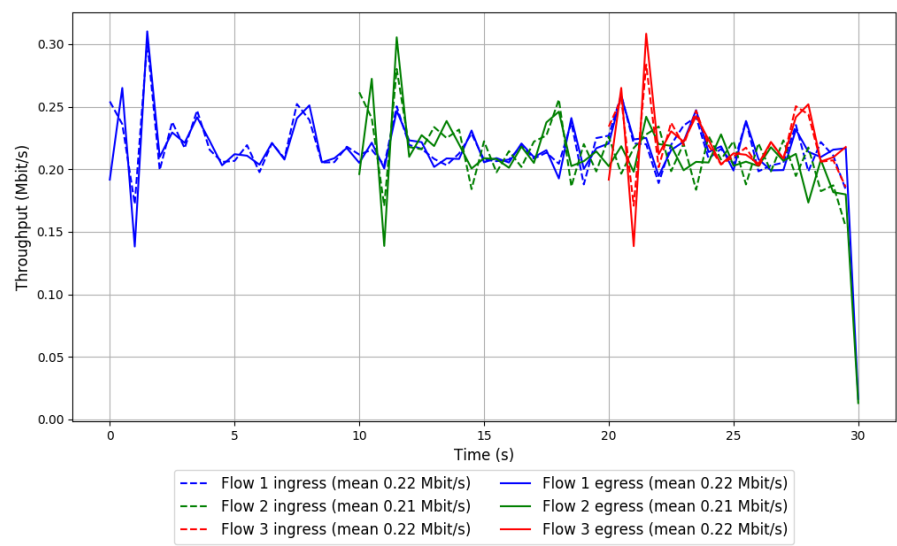


Run 4: Statistics of SReAM

Start at: 2018-04-03 22:22:35
End at: 2018-04-03 22:23:05
Local clock offset: -6.81 ms
Remote clock offset: 10.107 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 102.823 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.333 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.871 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.203 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-04-03 22:46:32

End at: 2018-04-03 22:47:02

Local clock offset: -2.821 ms

Remote clock offset: 5.592 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 99.572 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.788 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 99.603 ms

Loss rate: 0.00%

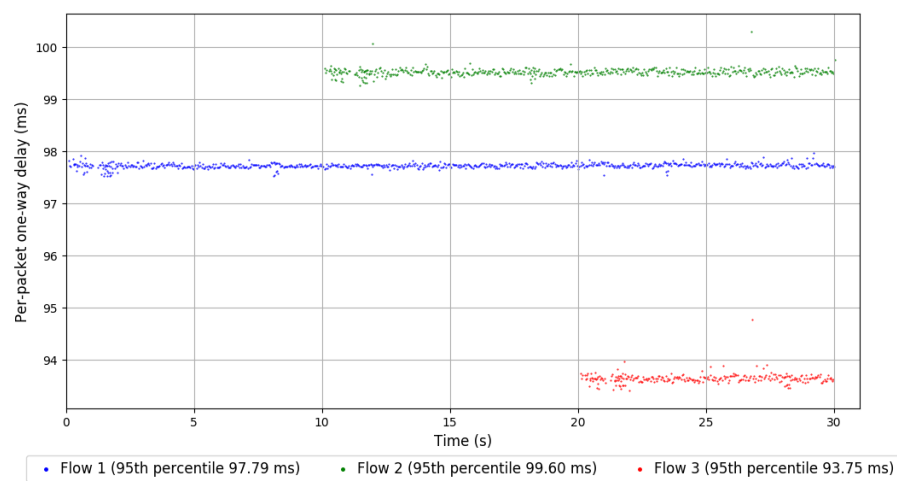
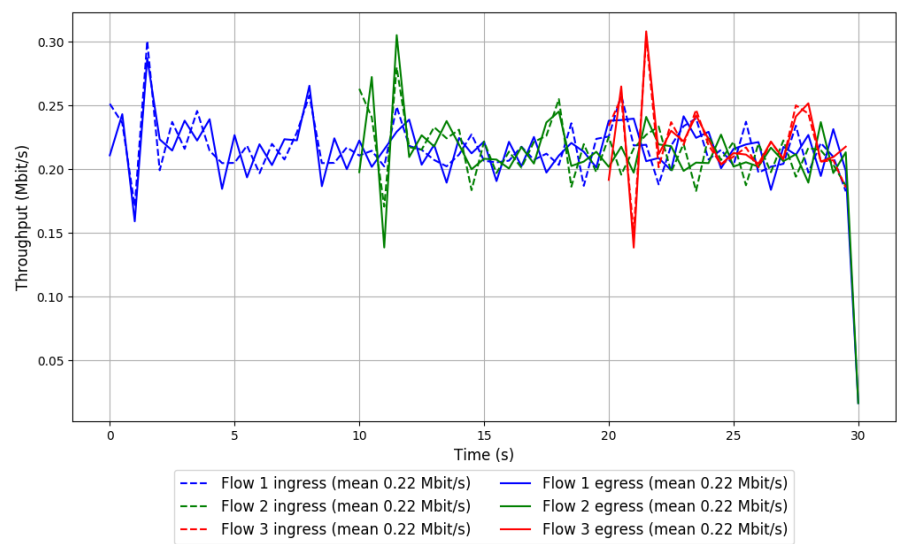
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 93.750 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

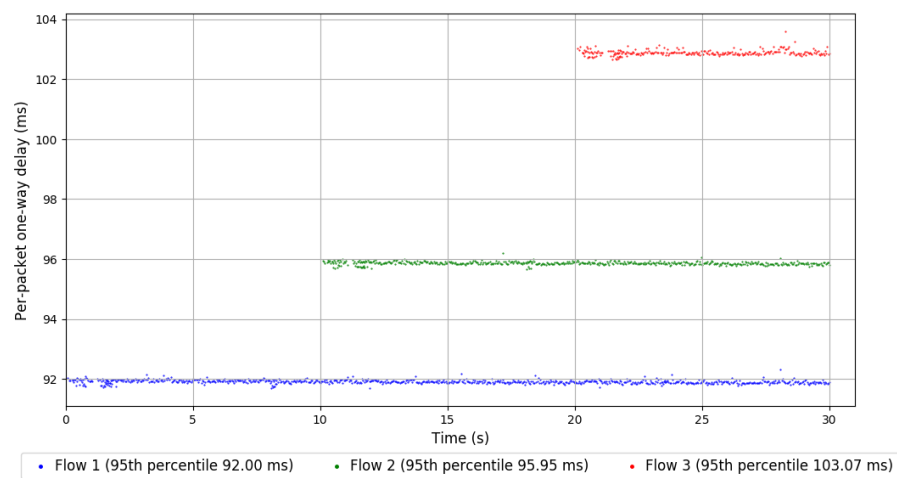
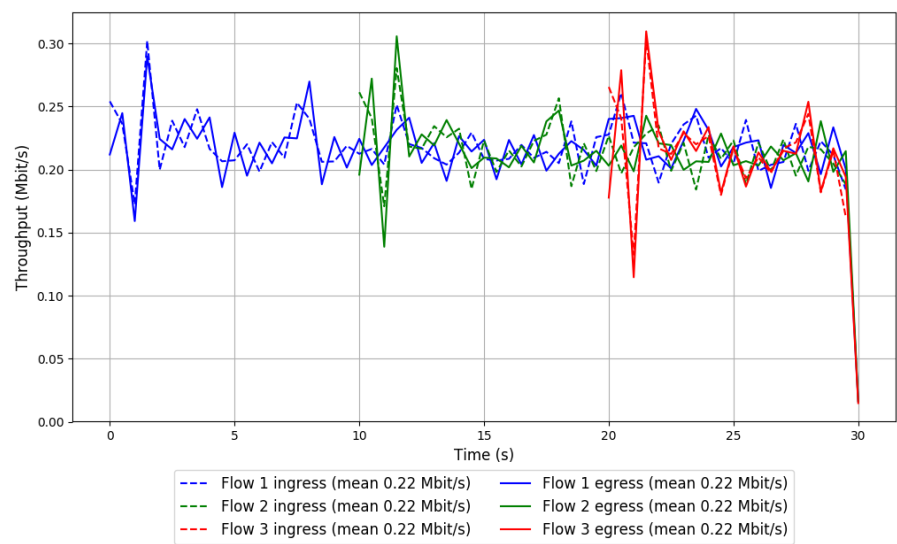


Run 6: Statistics of SReAM

Start at: 2018-04-03 23:10:19
End at: 2018-04-03 23:10:49
Local clock offset: -5.858 ms
Remote clock offset: 6.694 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 102.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 92.004 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.070 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

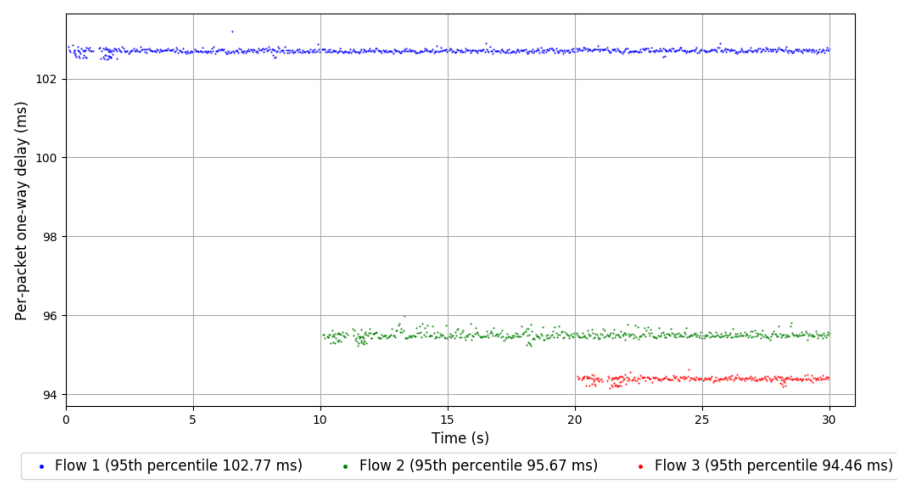
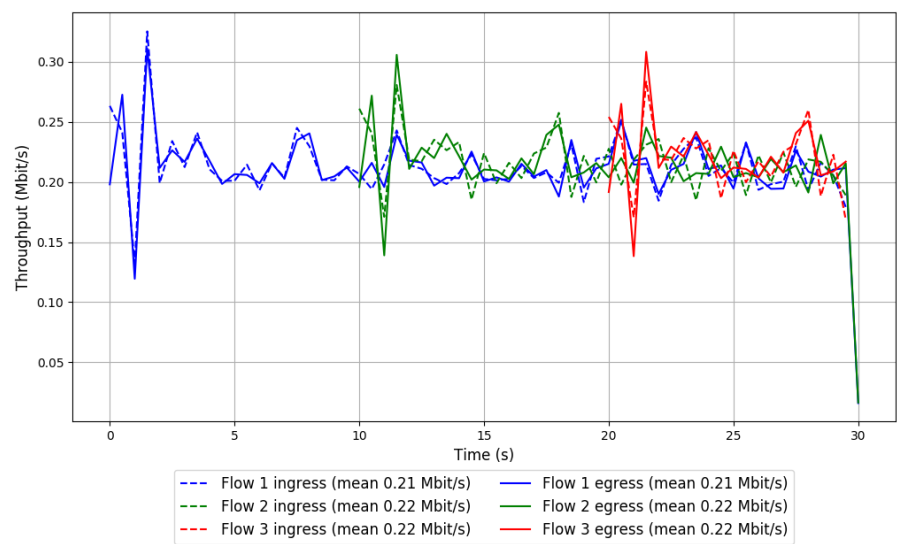


Run 7: Statistics of SReAM

Start at: 2018-04-03 23:34:05
End at: 2018-04-03 23:34:35
Local clock offset: -7.376 ms
Remote clock offset: 5.827 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 102.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.672 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.458 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-04-03 23:58:06

End at: 2018-04-03 23:58:36

Local clock offset: -7.996 ms

Remote clock offset: 4.004 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 98.001 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 98.087 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 92.660 ms

Loss rate: 0.00%

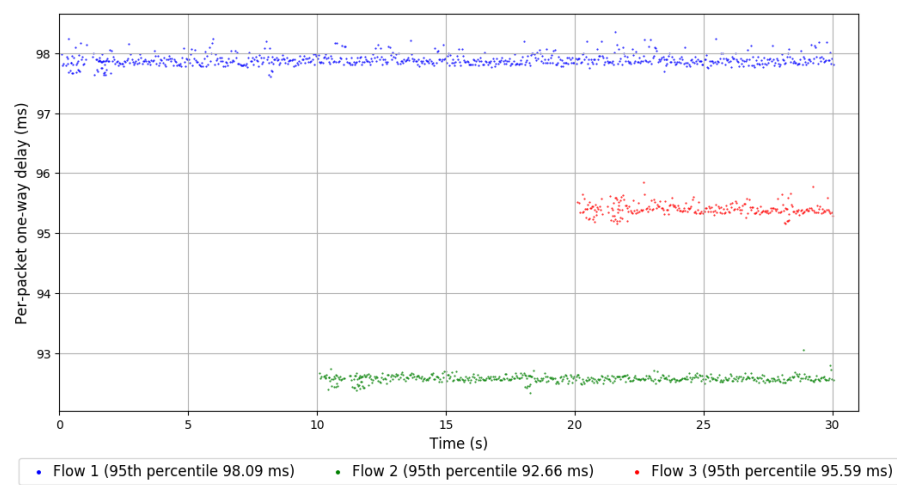
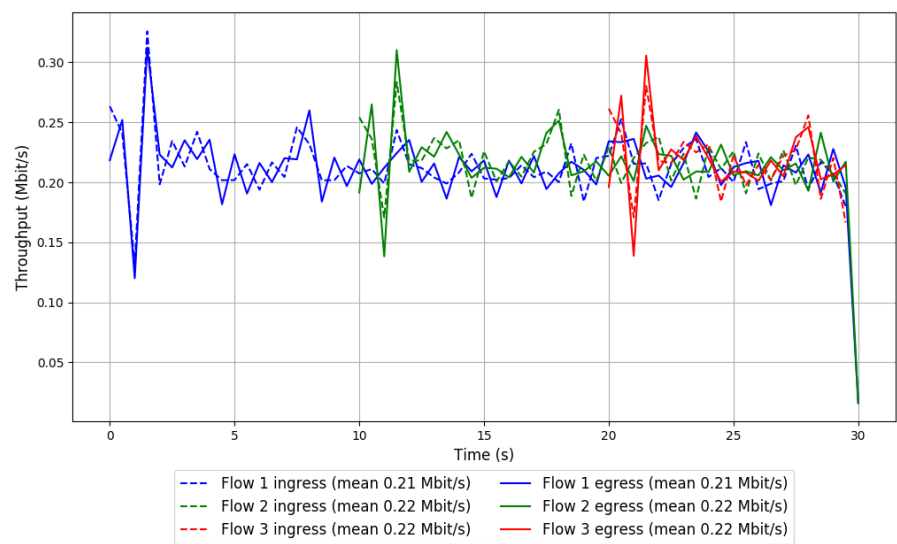
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 95.586 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-04-04 00:22:13

End at: 2018-04-04 00:22:43

Local clock offset: 3.903 ms

Remote clock offset: 4.752 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 85.896 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.552 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.592 ms

Loss rate: 0.00%

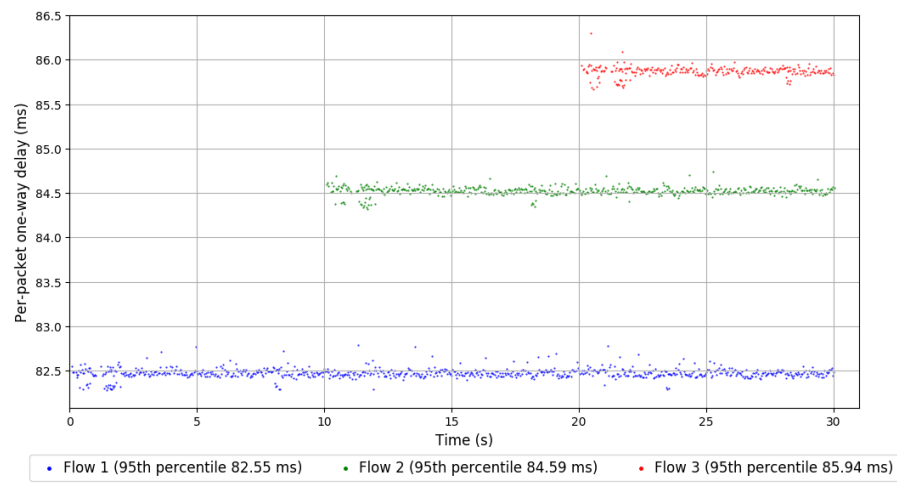
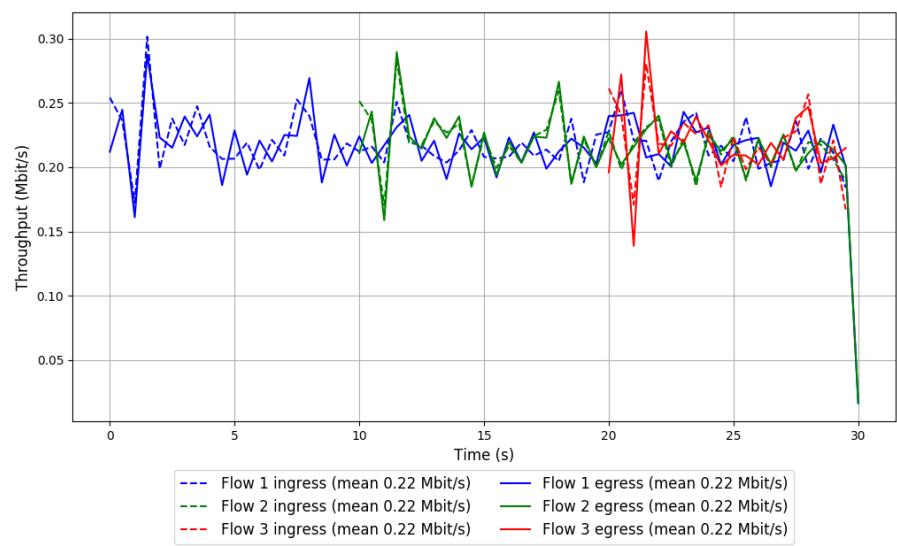
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.937 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-04 00:46:15

End at: 2018-04-04 00:46:45

Local clock offset: -5.853 ms

Remote clock offset: 11.4 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 106.290 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 101.125 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 106.322 ms

Loss rate: 0.19%

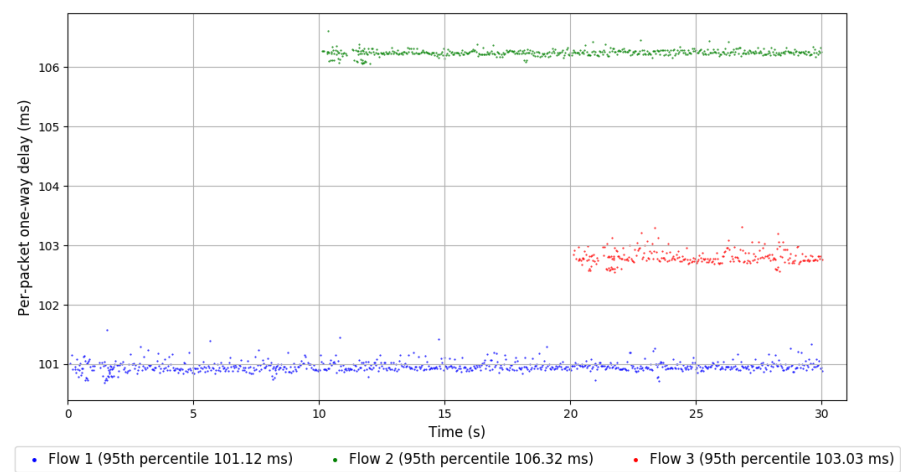
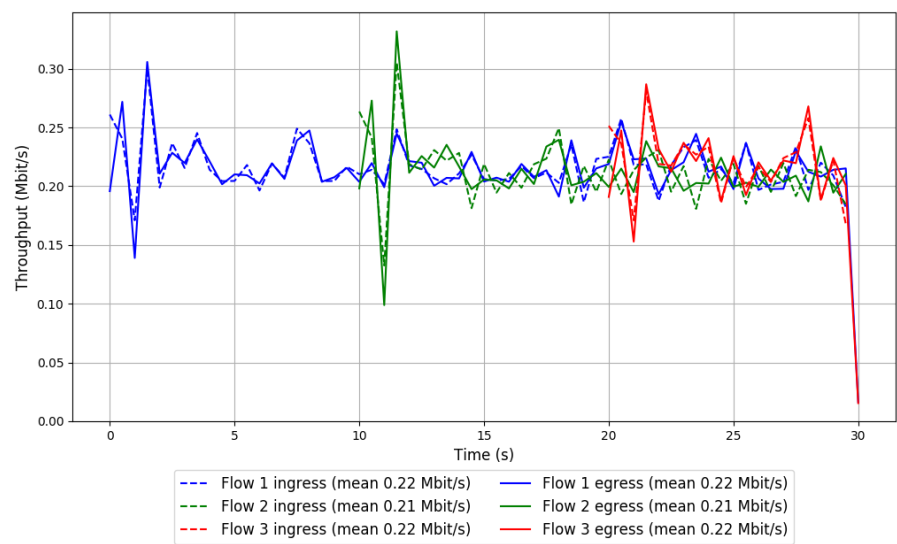
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 103.033 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

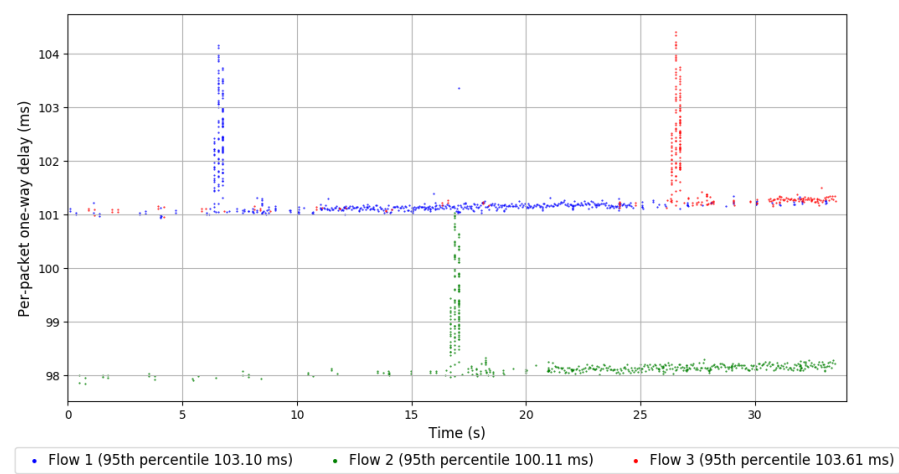
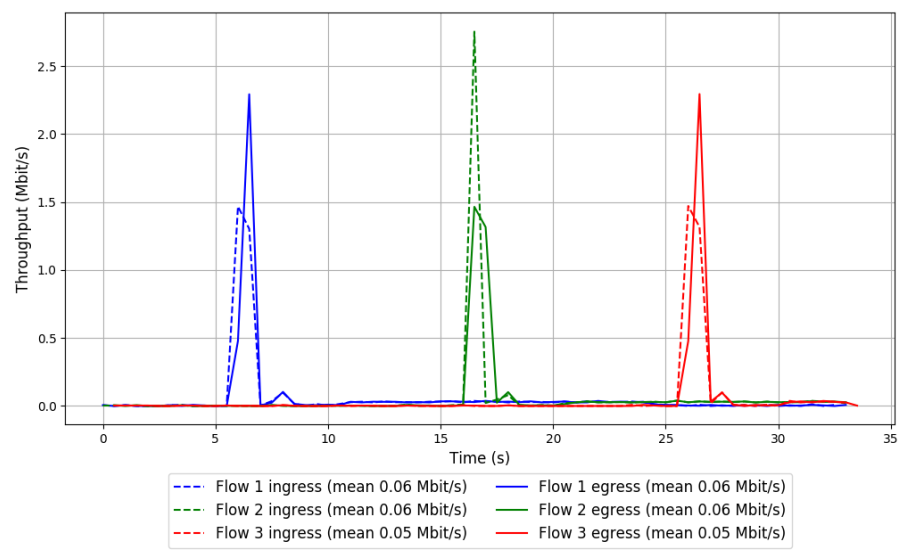


Run 1: Statistics of WebRTC media

Start at: 2018-04-03 21:15:07
End at: 2018-04-03 21:15:37
Local clock offset: -6.428 ms
Remote clock offset: 10.609 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 102.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 103.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 100.114 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 103.607 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-03 21:39:50

End at: 2018-04-03 21:40:20

Local clock offset: -2.859 ms

Remote clock offset: 8.587 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 107.062 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.040 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 107.354 ms

Loss rate: 0.00%

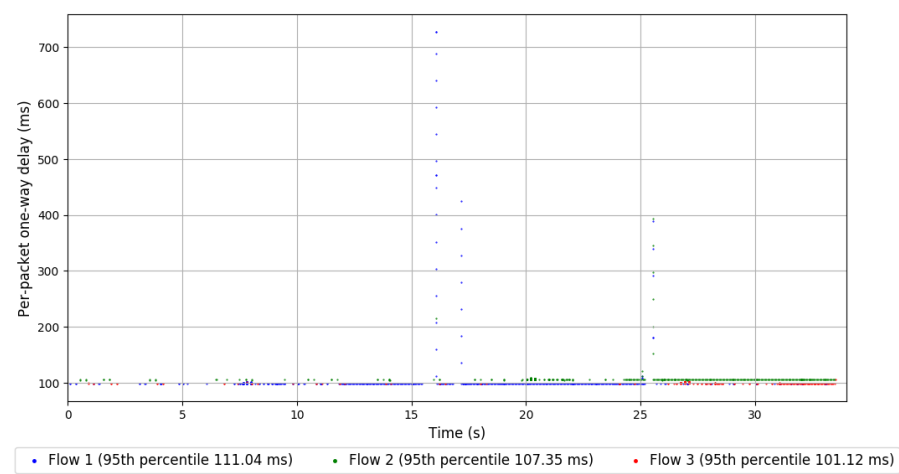
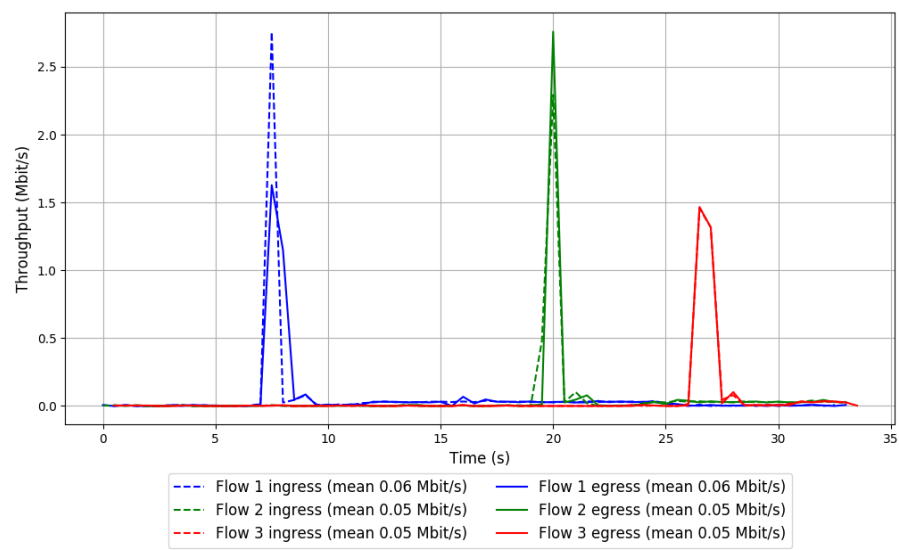
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 101.123 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

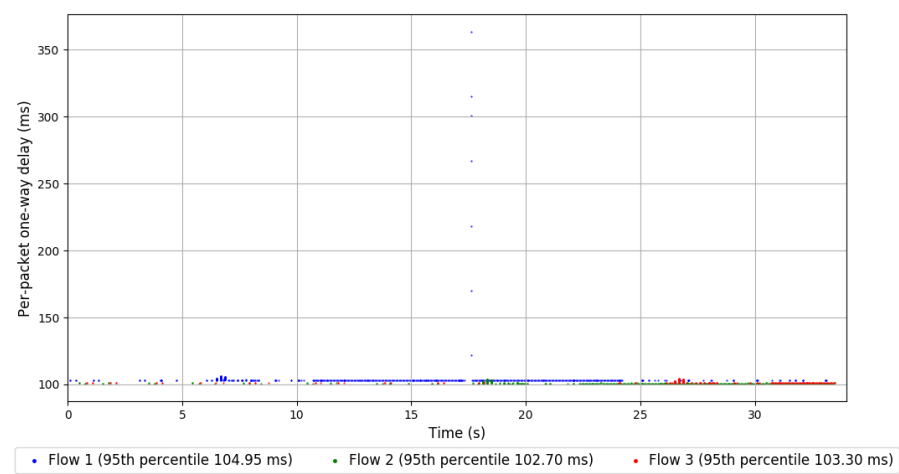
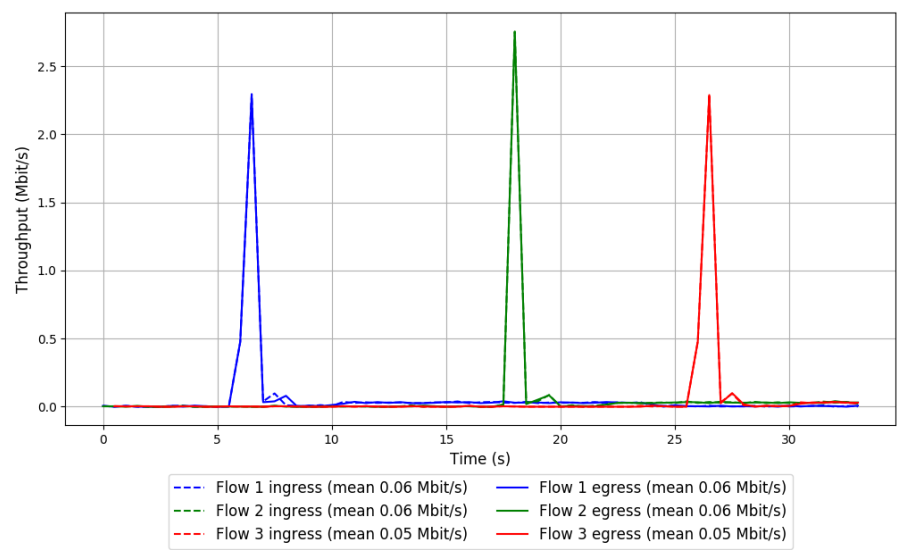


Run 3: Statistics of WebRTC media

Start at: 2018-04-03 22:03:48
End at: 2018-04-03 22:04:18
Local clock offset: -6.929 ms
Remote clock offset: 11.025 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 104.121 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.697 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 103.301 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-03 22:27:48

End at: 2018-04-03 22:28:18

Local clock offset: -4.978 ms

Remote clock offset: 4.715 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 101.114 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.088 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 97.658 ms

Loss rate: 0.00%

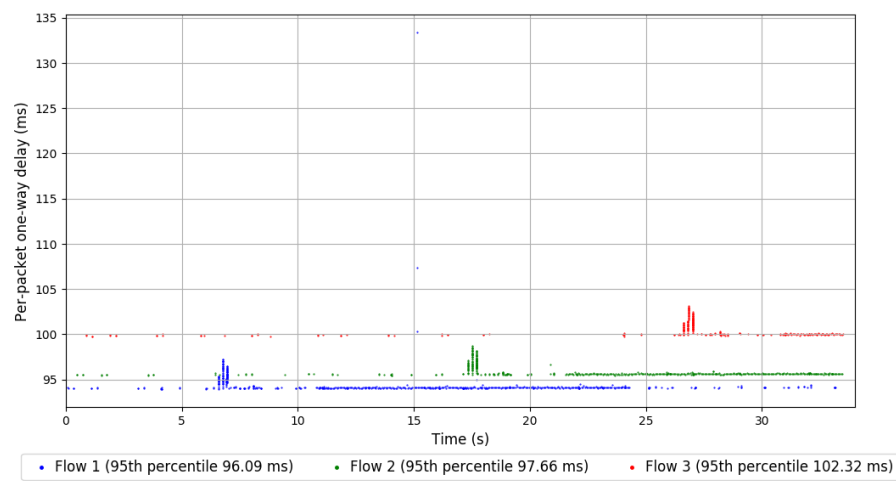
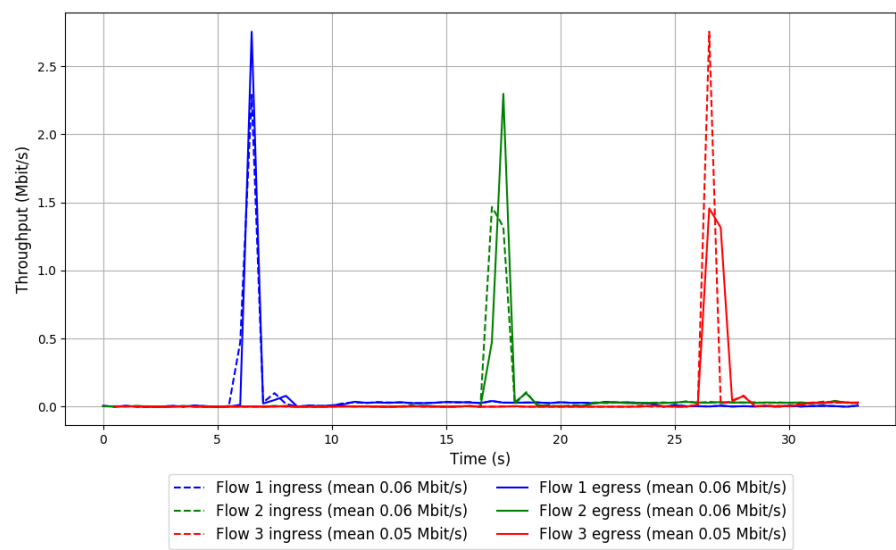
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 102.317 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-03 22:51:44

End at: 2018-04-03 22:52:14

Local clock offset: -2.535 ms

Remote clock offset: 11.16 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 104.936 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 100.715 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 105.874 ms

Loss rate: 0.04%

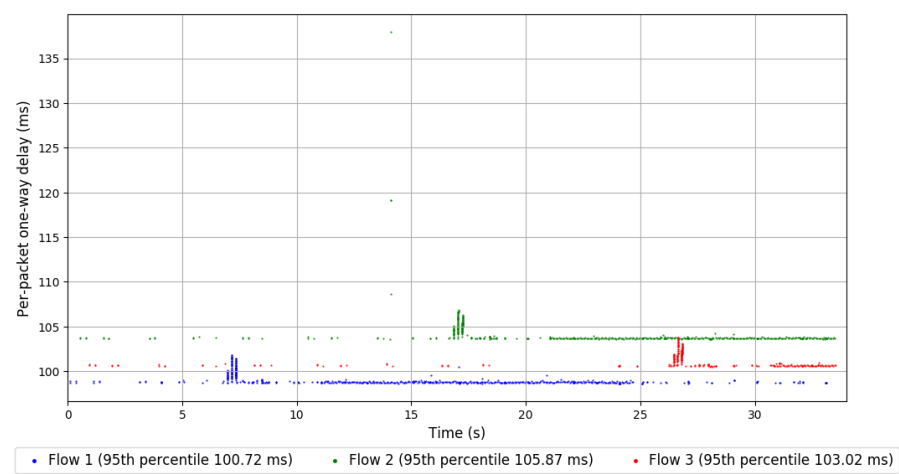
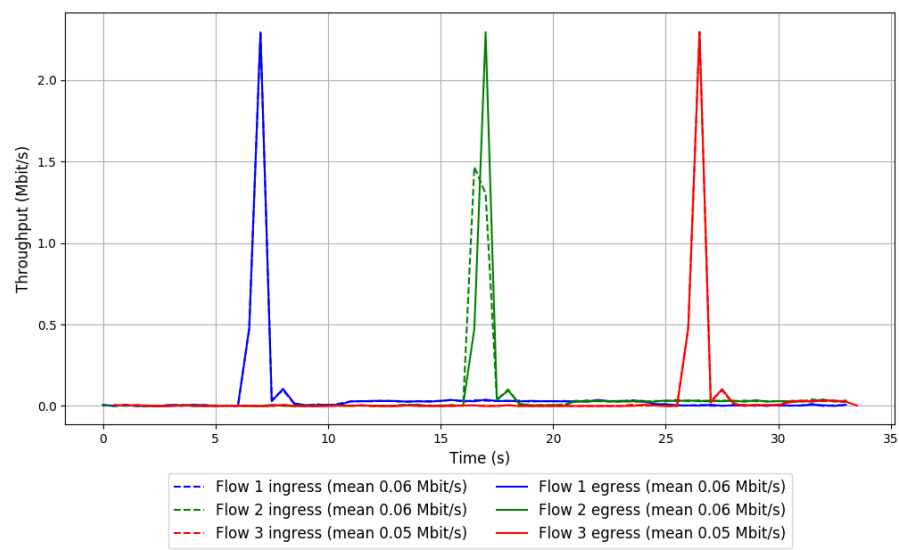
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 103.015 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

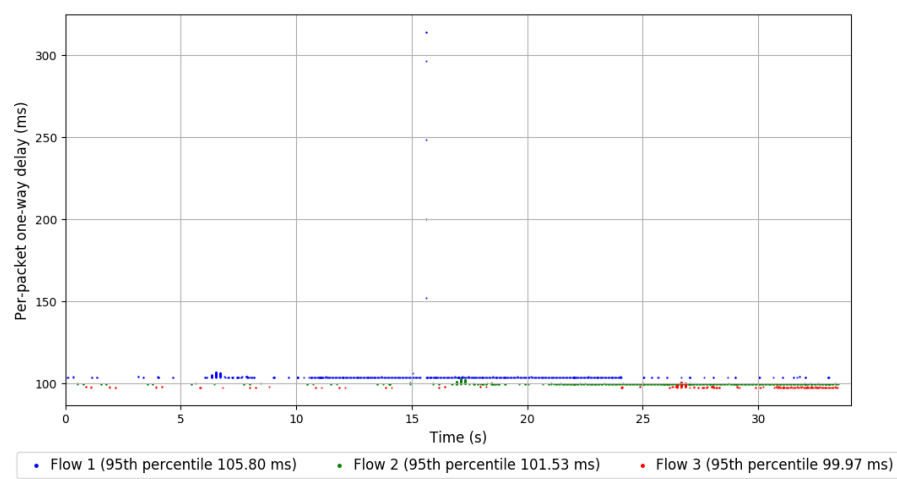
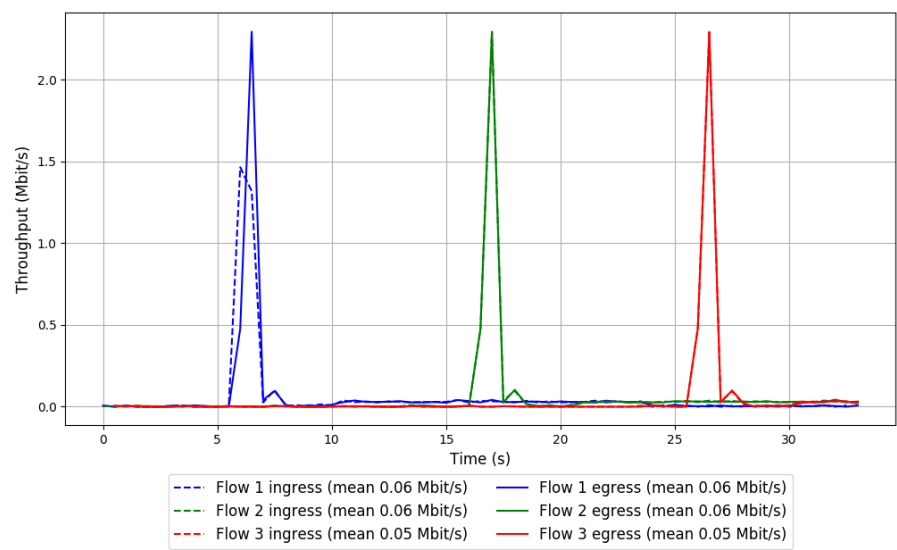


Run 6: Statistics of WebRTC media

Start at: 2018-04-03 23:15:30
End at: 2018-04-03 23:16:00
Local clock offset: -6.503 ms
Remote clock offset: 11.158 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 104.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 105.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 101.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 99.970 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-03 23:39:17

End at: 2018-04-03 23:39:47

Local clock offset: -7.384 ms

Remote clock offset: 4.466 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 99.879 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 95.967 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 100.183 ms

Loss rate: 0.00%

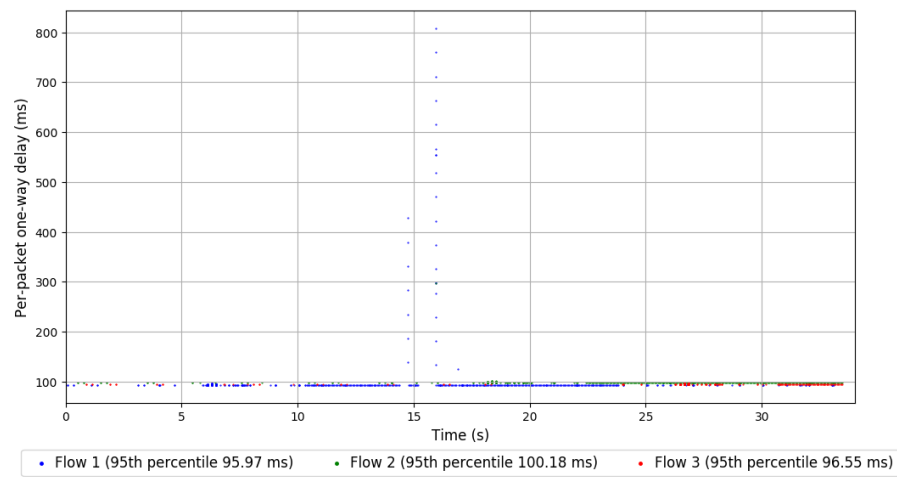
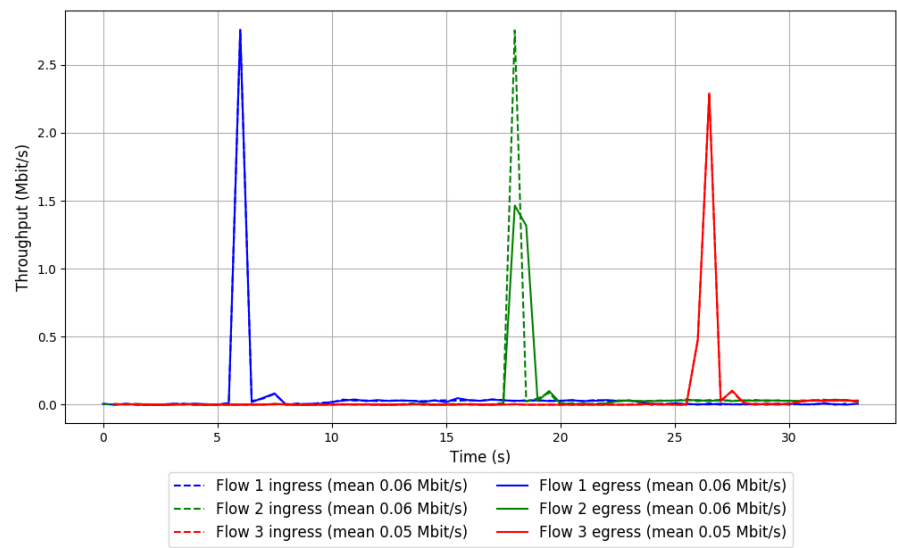
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 96.549 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

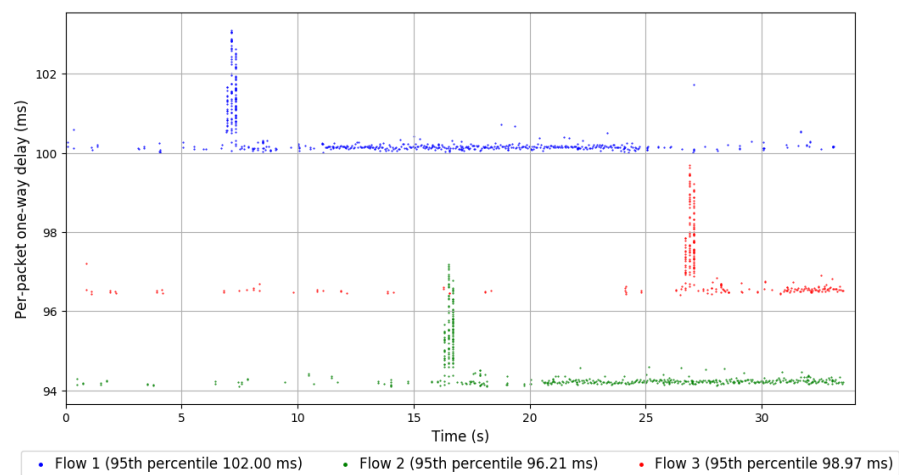
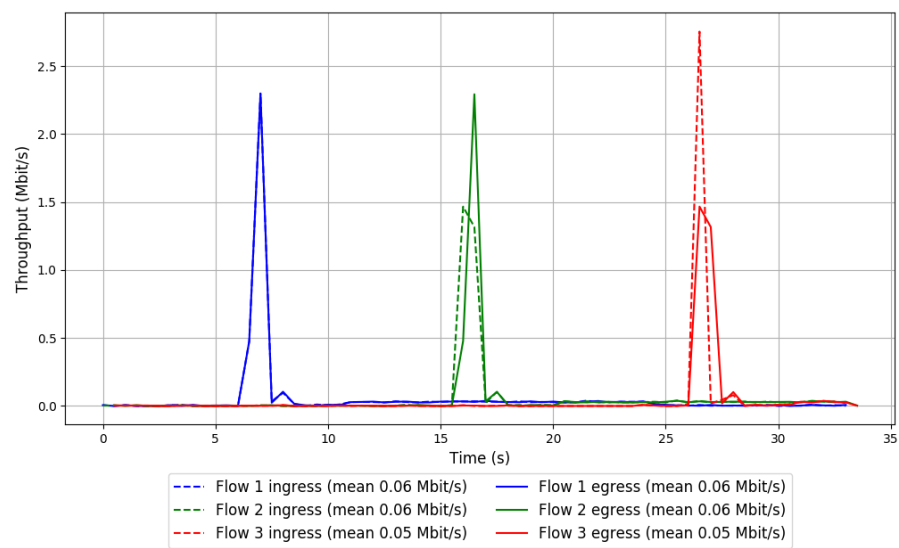


Run 8: Statistics of WebRTC media

Start at: 2018-04-04 00:03:19
End at: 2018-04-04 00:03:49
Local clock offset: -1.708 ms
Remote clock offset: 10.509 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 101.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 96.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 98.969 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

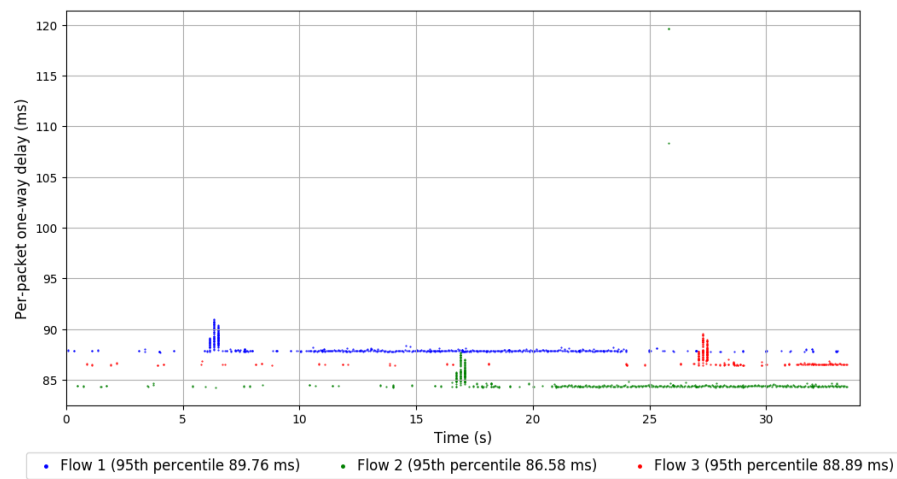
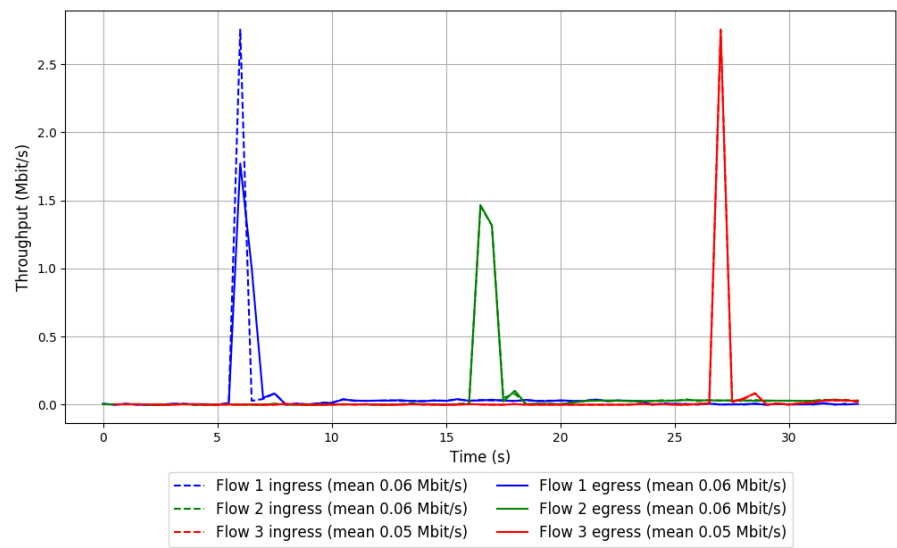


Run 9: Statistics of WebRTC media

Start at: 2018-04-04 00:27:25
End at: 2018-04-04 00:27:55
Local clock offset: 8.153 ms
Remote clock offset: 11.455 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 89.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 89.763 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.577 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.891 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-04 00:51:27

End at: 2018-04-04 00:51:57

Local clock offset: -5.596 ms

Remote clock offset: 5.832 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 101.551 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.372 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 97.407 ms

Loss rate: 0.00%

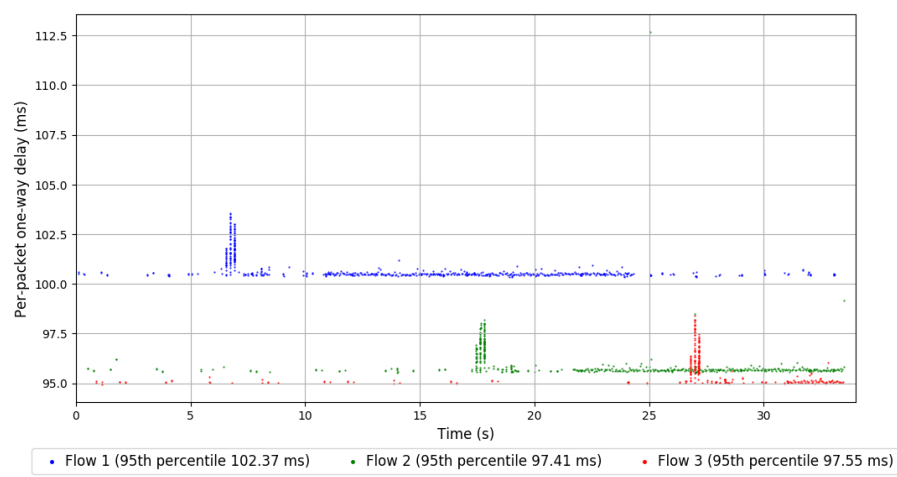
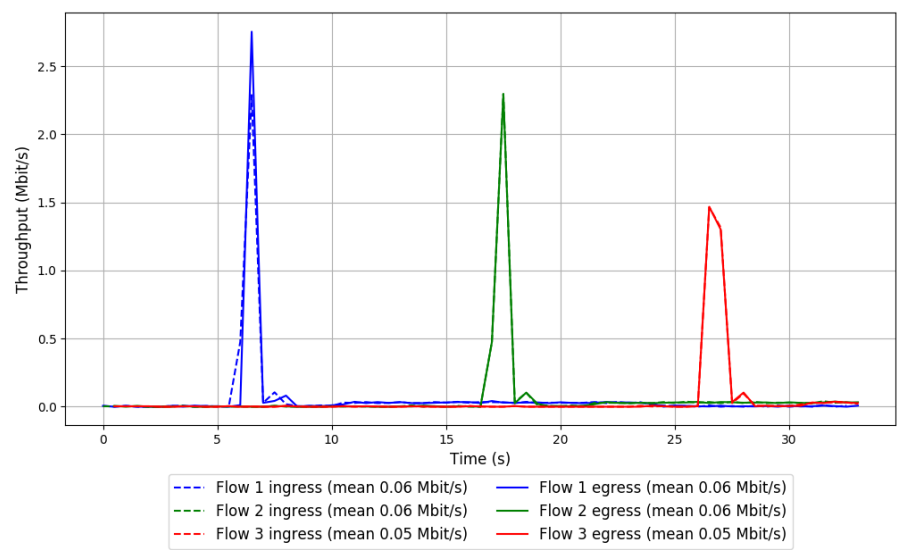
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 97.552 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

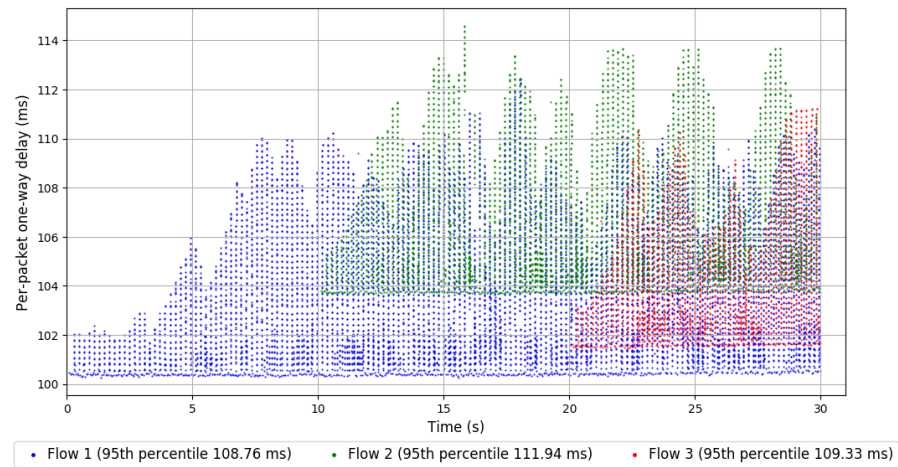
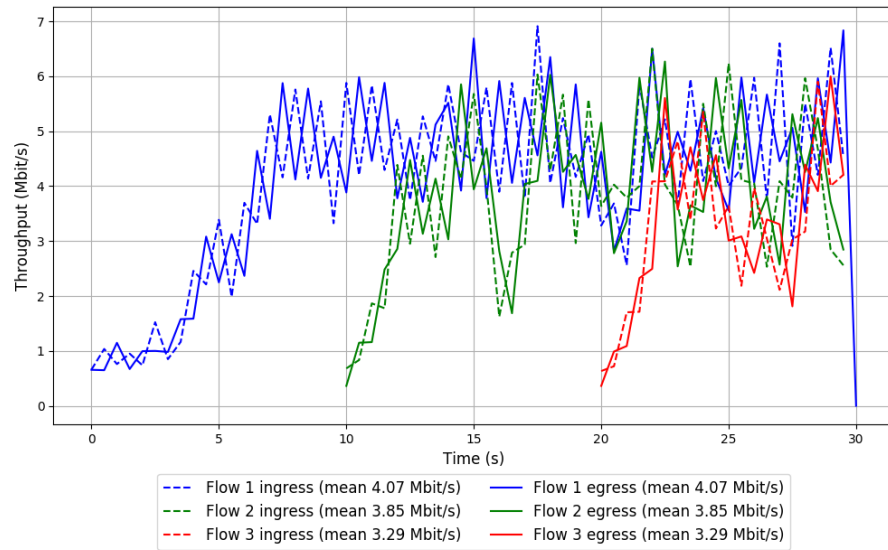


Run 1: Statistics of Sprout

Start at: 2018-04-03 21:11:09
End at: 2018-04-03 21:11:39
Local clock offset: -7.993 ms
Remote clock offset: 11.929 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 110.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 108.762 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 111.943 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 109.333 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

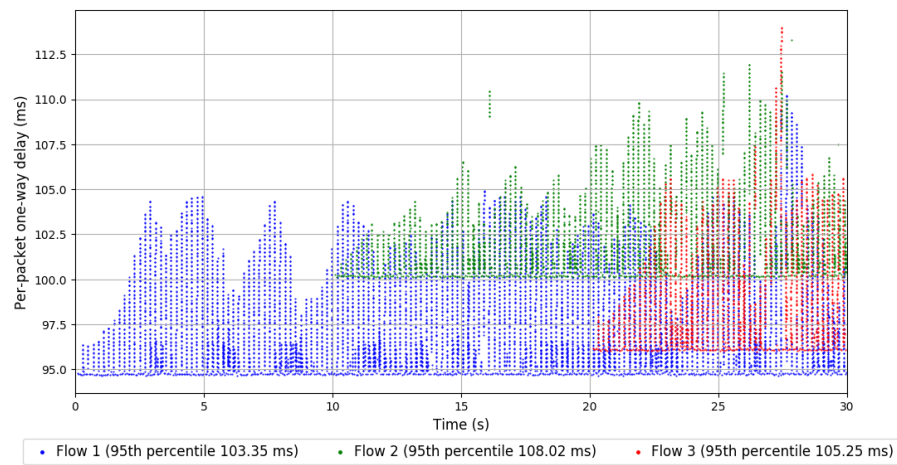
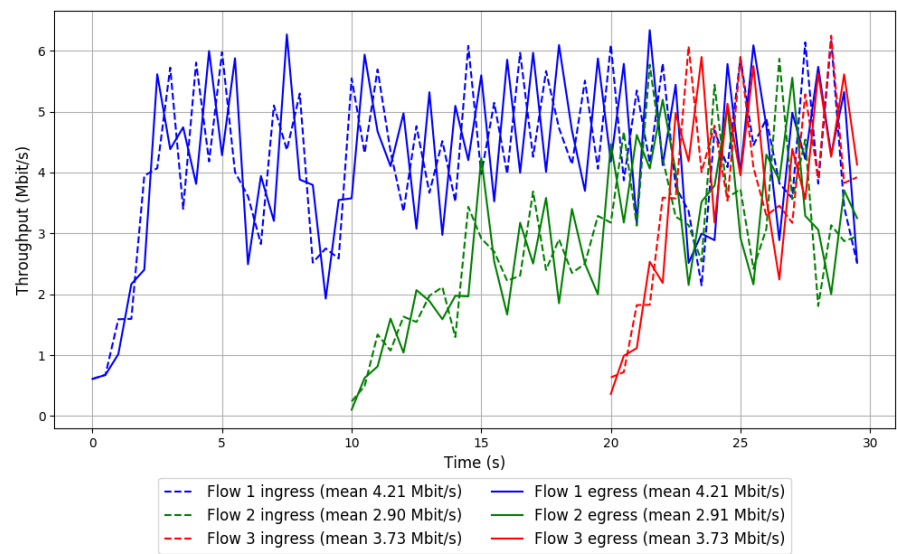


Run 2: Statistics of Sprout

Start at: 2018-04-03 21:35:54
End at: 2018-04-03 21:36:24
Local clock offset: -3.043 ms
Remote clock offset: 3.948 ms

```
# Below is generated by plot.py at 2018-04-04 01:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 105.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 103.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 108.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 105.254 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

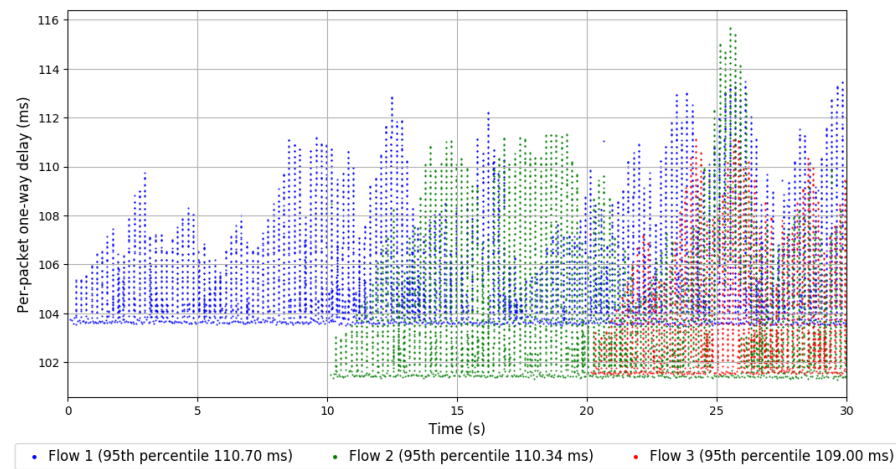
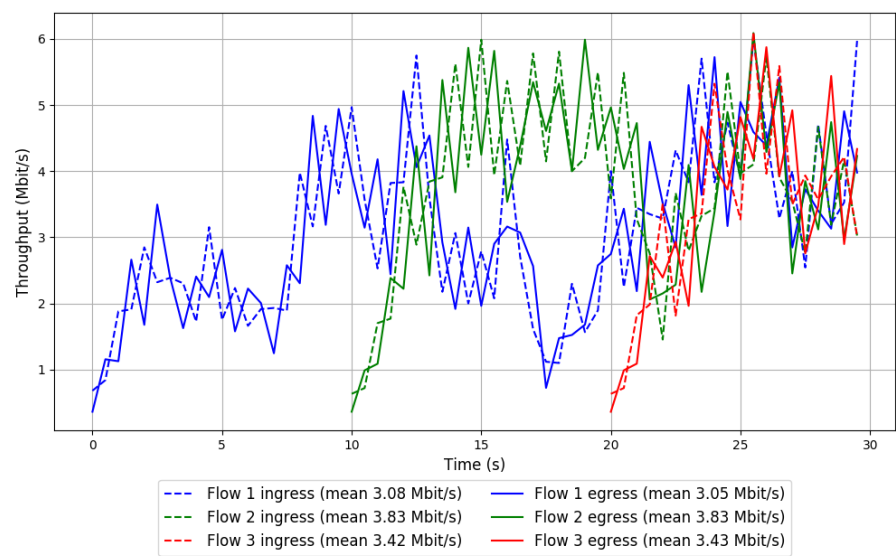


Run 3: Statistics of Sprout

Start at: 2018-04-03 21:59:51
End at: 2018-04-03 22:00:21
Local clock offset: -6.549 ms
Remote clock offset: 9.98 ms

```
# Below is generated by plot.py at 2018-04-04 01:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 110.357 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 110.700 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 110.343 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 109.005 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

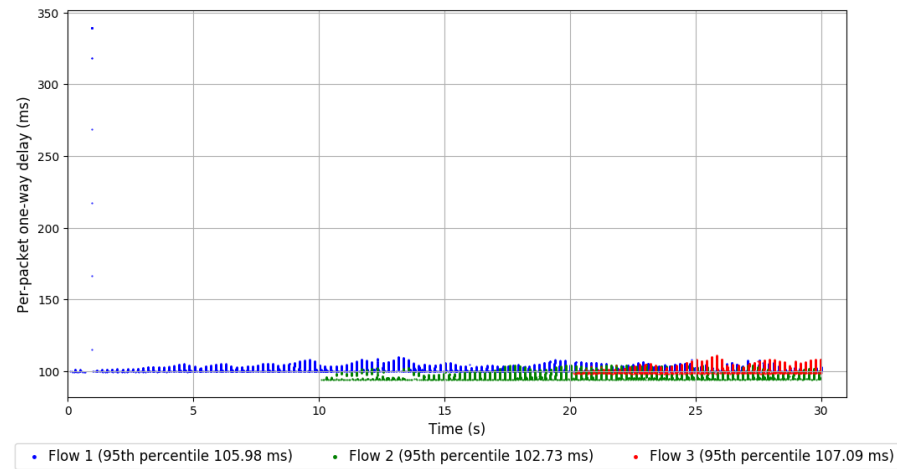
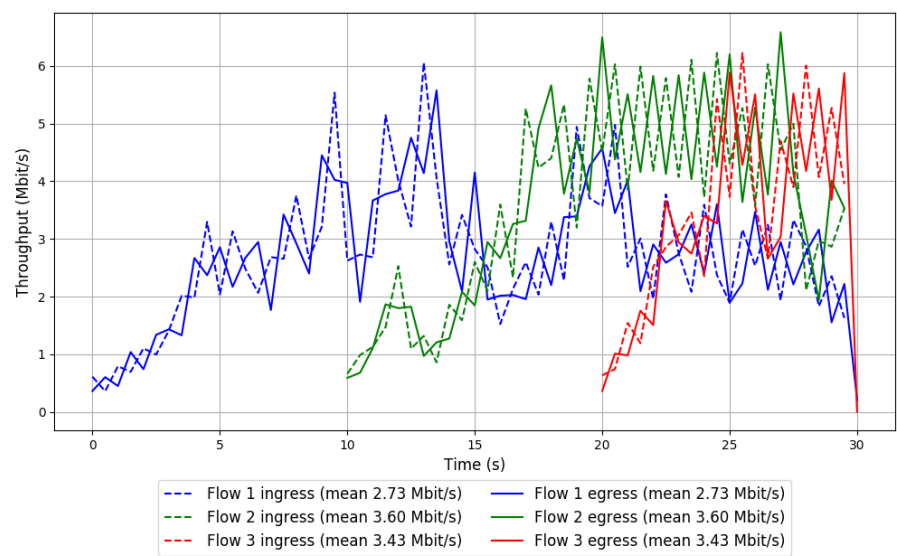


Run 4: Statistics of Sprout

Start at: 2018-04-03 22:23:49
End at: 2018-04-03 22:24:19
Local clock offset: -6.27 ms
Remote clock offset: 4.758 ms

```
# Below is generated by plot.py at 2018-04-04 01:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 105.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 105.985 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 102.732 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 107.087 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

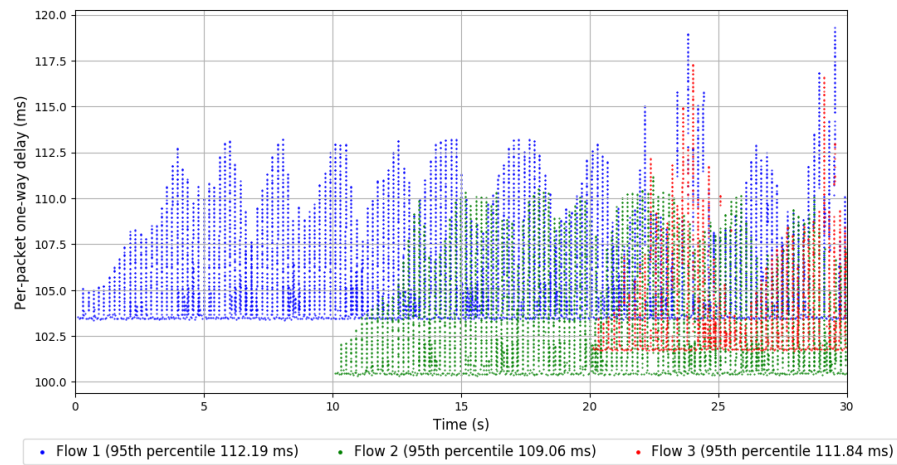
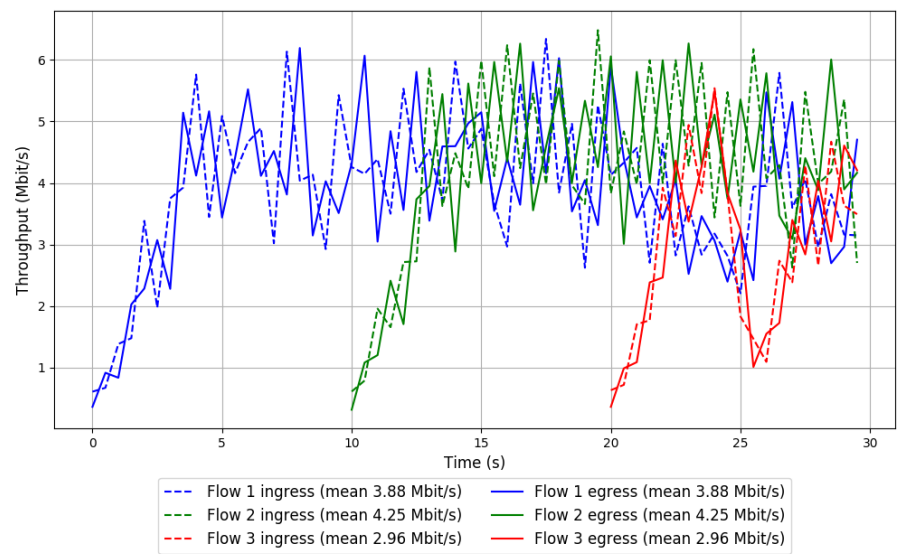


Run 5: Statistics of Sprout

Start at: 2018-04-03 22:47:46
End at: 2018-04-03 22:48:16
Local clock offset: -2.703 ms
Remote clock offset: 11.977 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 111.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 112.185 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 109.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 111.836 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

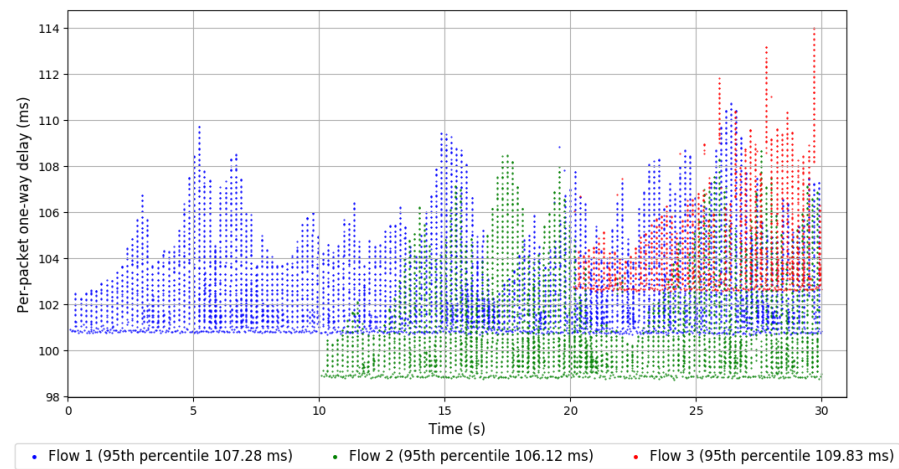
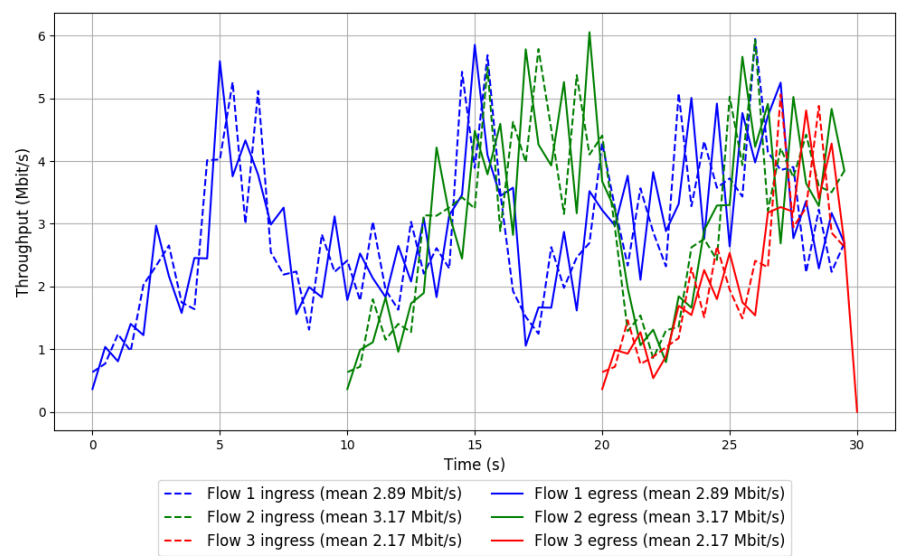


Run 6: Statistics of Sprout

Start at: 2018-04-03 23:11:33
End at: 2018-04-03 23:12:03
Local clock offset: -6.129 ms
Remote clock offset: 6.687 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 107.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 107.275 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 106.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 109.835 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

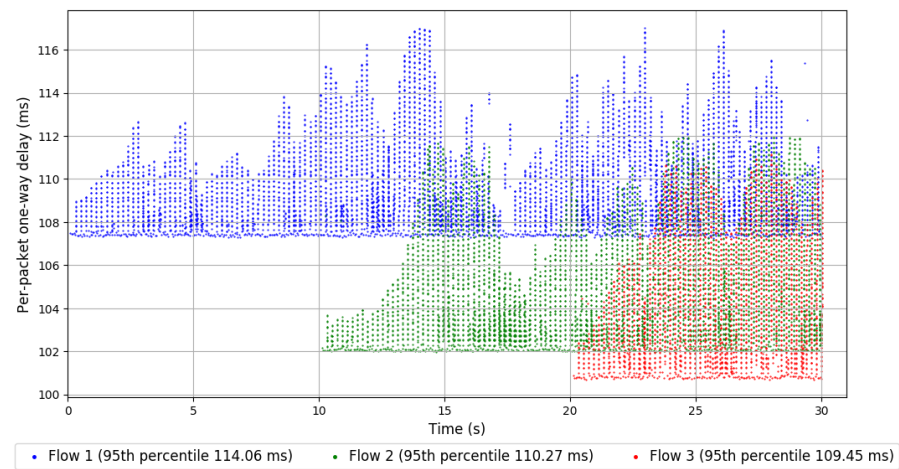
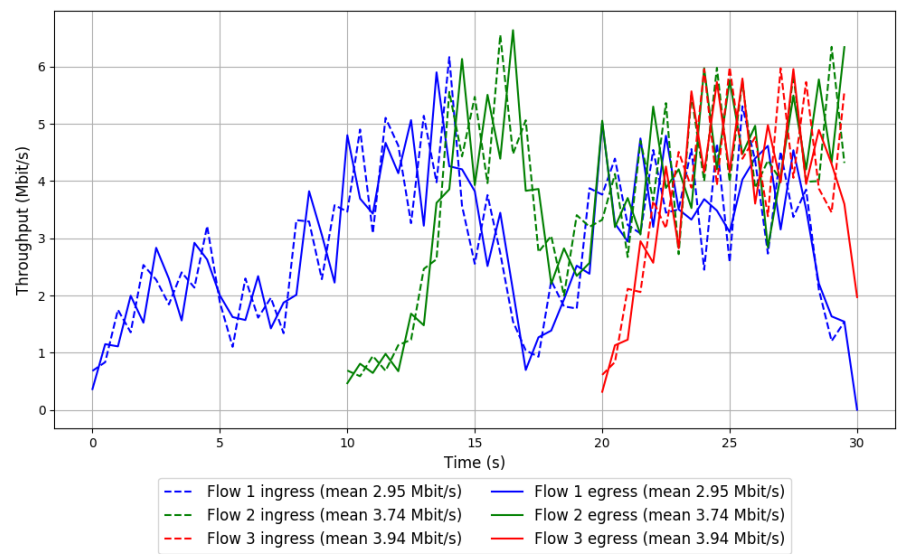


Run 7: Statistics of Sprout

Start at: 2018-04-03 23:35:19
End at: 2018-04-03 23:35:49
Local clock offset: -7.292 ms
Remote clock offset: 12.182 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 112.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 114.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 110.269 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 109.451 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

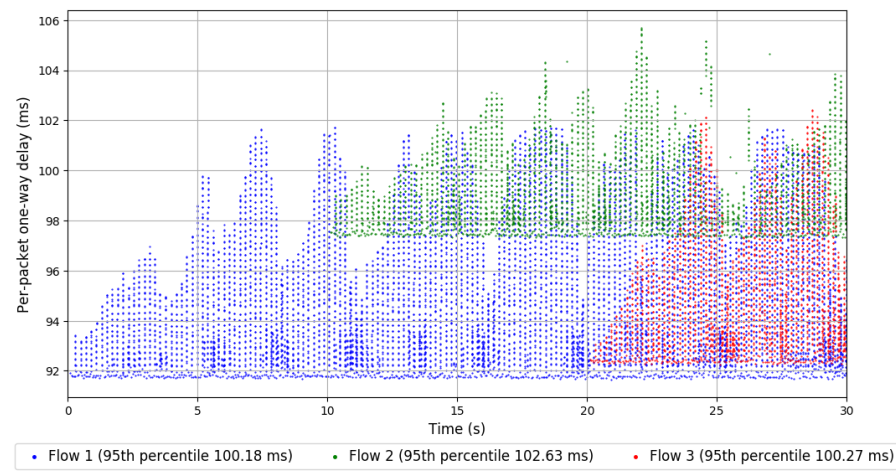
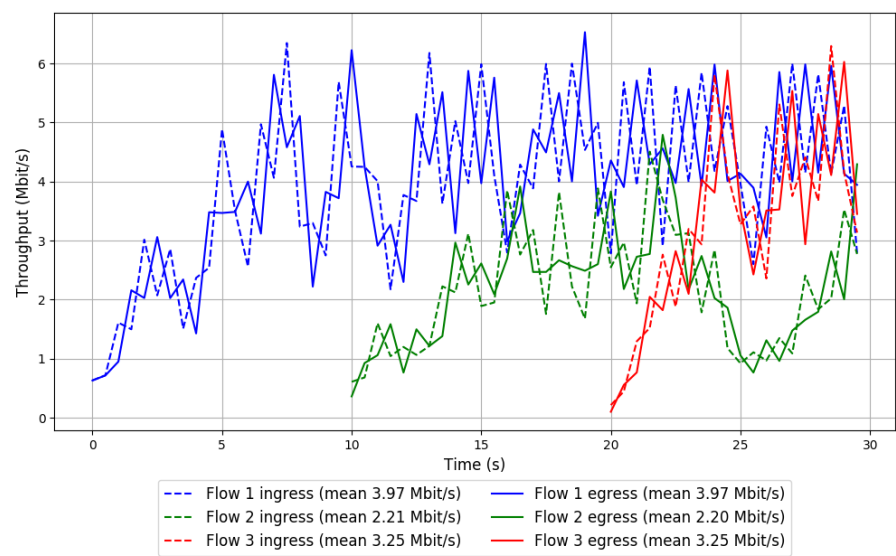


Run 8: Statistics of Sprout

Start at: 2018-04-03 23:59:20
End at: 2018-04-03 23:59:50
Local clock offset: -4.184 ms
Remote clock offset: 5.071 ms

Below is generated by plot.py at 2018-04-04 01:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 101.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 100.183 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 102.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 100.271 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-04 00:23:27

End at: 2018-04-04 00:23:58

Local clock offset: 6.534 ms

Remote clock offset: 9.748 ms

Below is generated by plot.py at 2018-04-04 01:36:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 92.396 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 92.601 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 92.007 ms

Loss rate: 0.00%

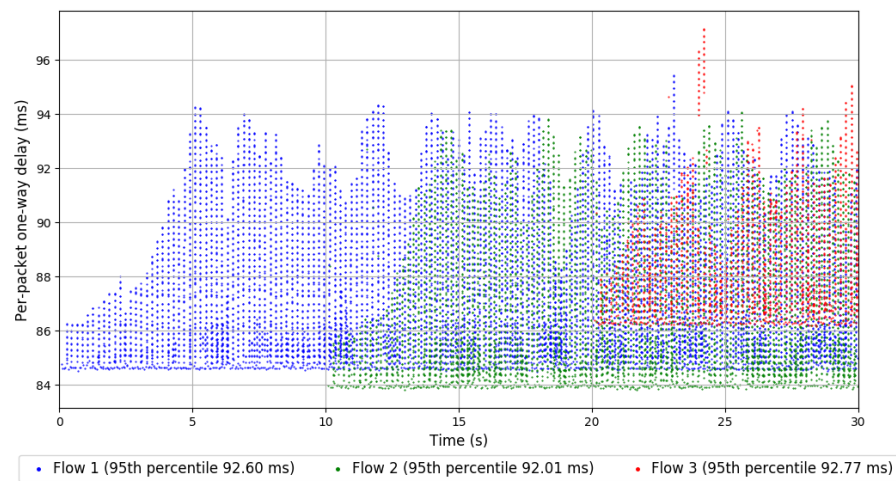
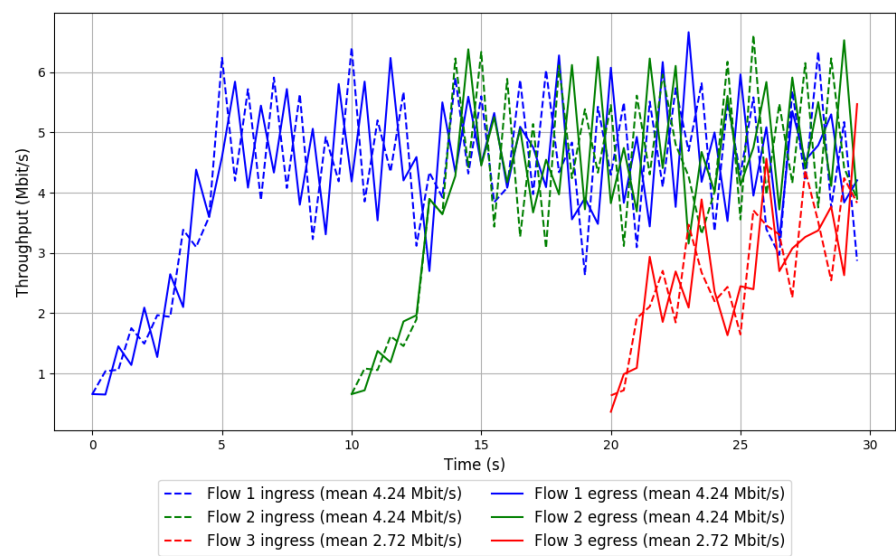
-- Flow 3:

Average throughput: 2.72 Mbit/s

95th percentile per-packet one-way delay: 92.769 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

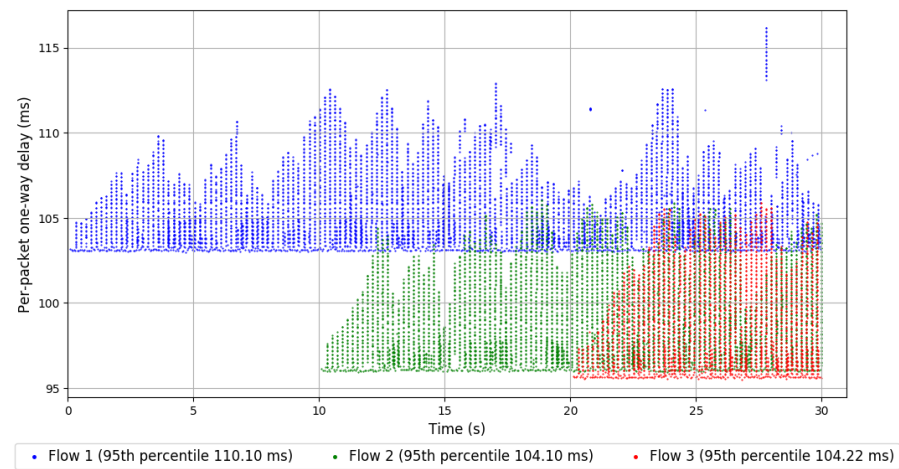
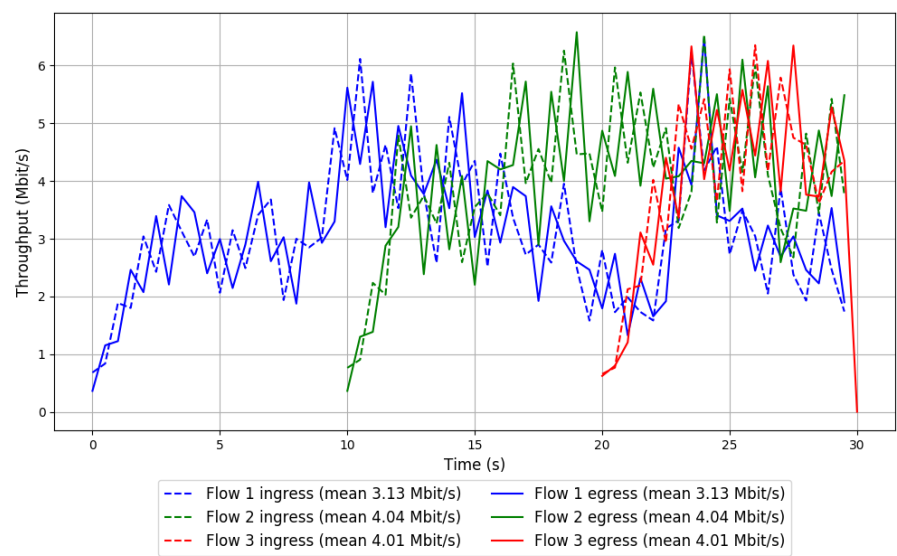


Run 10: Statistics of Sprout

Start at: 2018-04-04 00:47:29
End at: 2018-04-04 00:47:59
Local clock offset: -5.791 ms
Remote clock offset: 6.721 ms

```
# Below is generated by plot.py at 2018-04-04 01:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 108.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 110.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 104.097 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 104.222 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

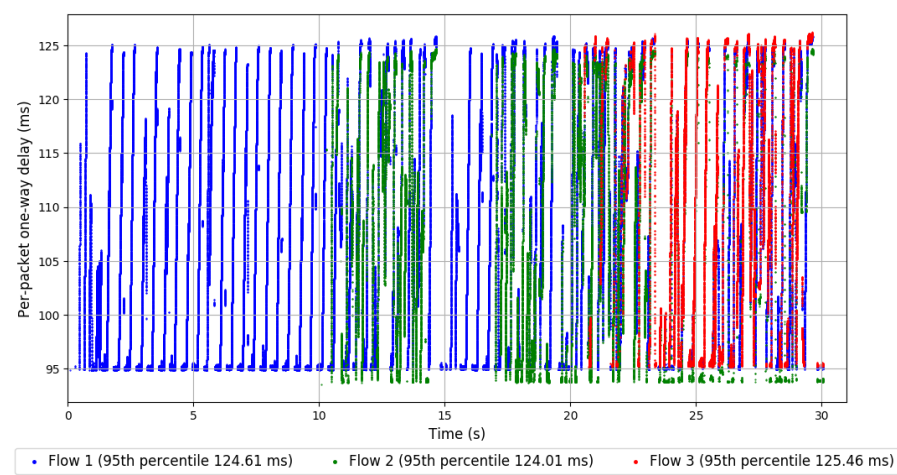
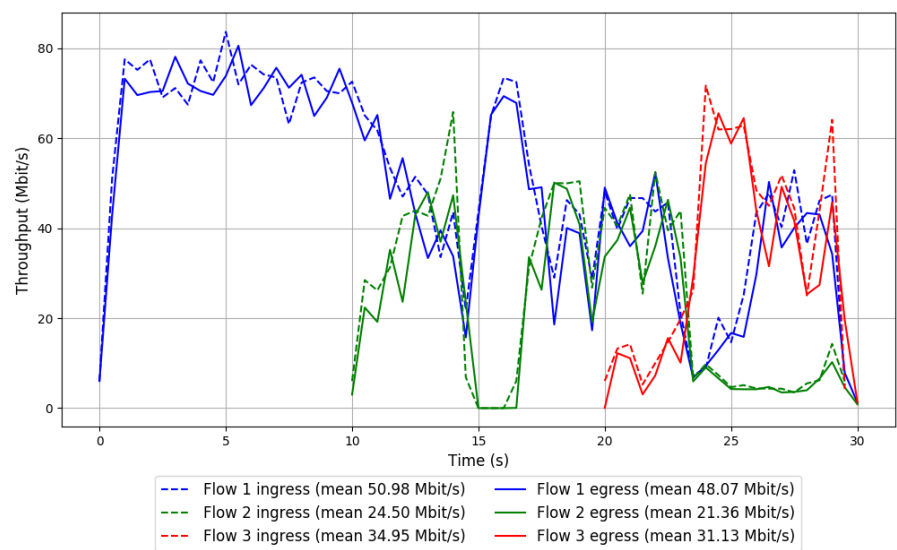


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-03 21:22:45
End at: 2018-04-03 21:23:15
Local clock offset: -4.337 ms
Remote clock offset: 4.341 ms

# Below is generated by plot.py at 2018-04-04 01:37:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.59 Mbit/s
95th percentile per-packet one-way delay: 124.660 ms
Loss rate: 7.97%
-- Flow 1:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 124.609 ms
Loss rate: 5.71%
-- Flow 2:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 124.006 ms
Loss rate: 12.82%
-- Flow 3:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 125.457 ms
Loss rate: 11.13%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-04-03 21:46:41

End at: 2018-04-03 21:47:11

Local clock offset: -3.02 ms

Remote clock offset: 4.412 ms

Below is generated by plot.py at 2018-04-04 01:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.23 Mbit/s

95th percentile per-packet one-way delay: 123.731 ms

Loss rate: 4.78%

-- Flow 1:

Average throughput: 56.25 Mbit/s

95th percentile per-packet one-way delay: 123.872 ms

Loss rate: 3.35%

-- Flow 2:

Average throughput: 26.53 Mbit/s

95th percentile per-packet one-way delay: 122.915 ms

Loss rate: 8.35%

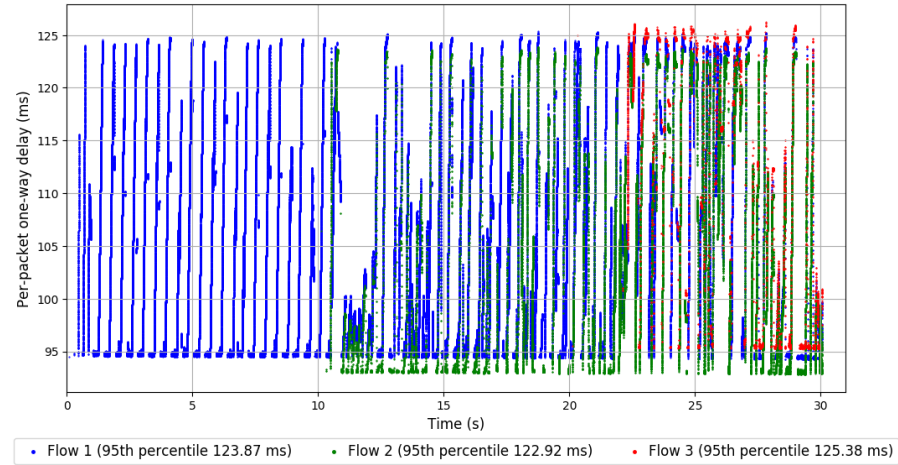
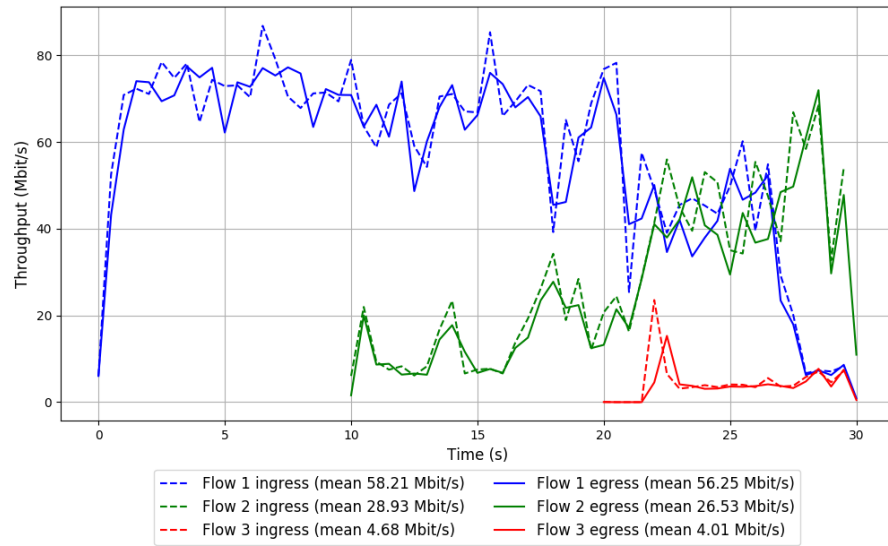
-- Flow 3:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 125.375 ms

Loss rate: 14.21%

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

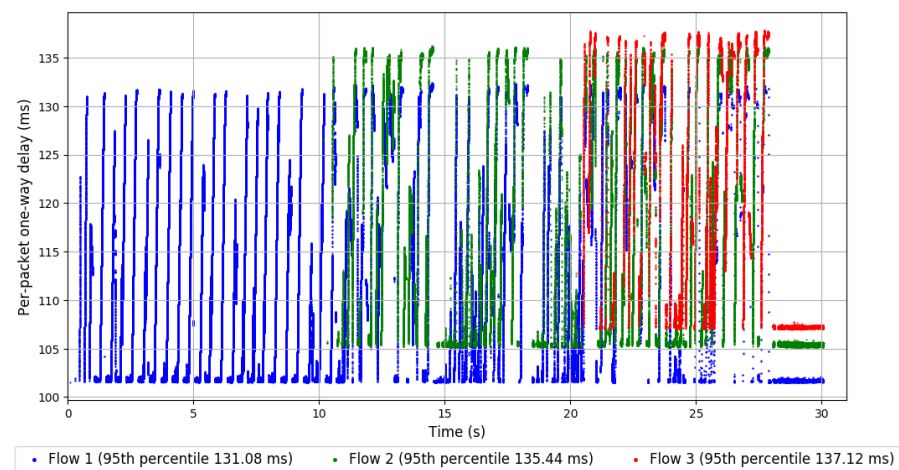
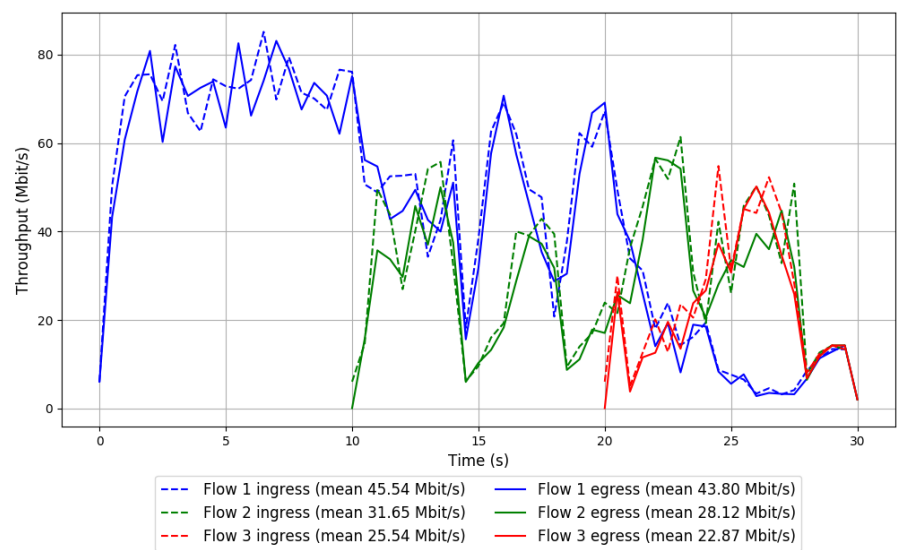


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-03 22:10:42
End at: 2018-04-03 22:11:12
Local clock offset: -7.496 ms
Remote clock offset: 10.087 ms

Below is generated by plot.py at 2018-04-04 01:37:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 135.205 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 131.080 ms
Loss rate: 3.82%
-- Flow 2:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 135.443 ms
Loss rate: 11.24%
-- Flow 3:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 137.122 ms
Loss rate: 10.49%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-03 22:34:35

End at: 2018-04-03 22:35:05

Local clock offset: -3.83 ms

Remote clock offset: 5.556 ms

Below is generated by plot.py at 2018-04-04 01:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.32 Mbit/s

95th percentile per-packet one-way delay: 125.275 ms

Loss rate: 6.47%

-- Flow 1:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 123.664 ms

Loss rate: 4.36%

-- Flow 2:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 126.180 ms

Loss rate: 9.90%

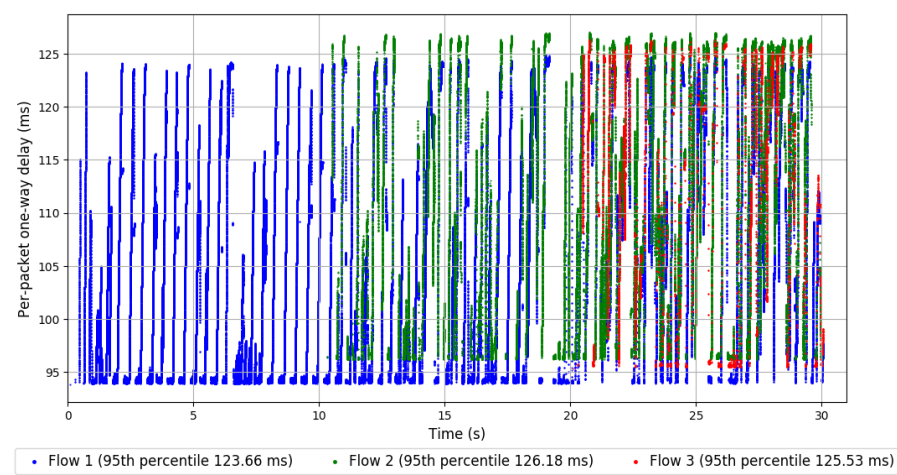
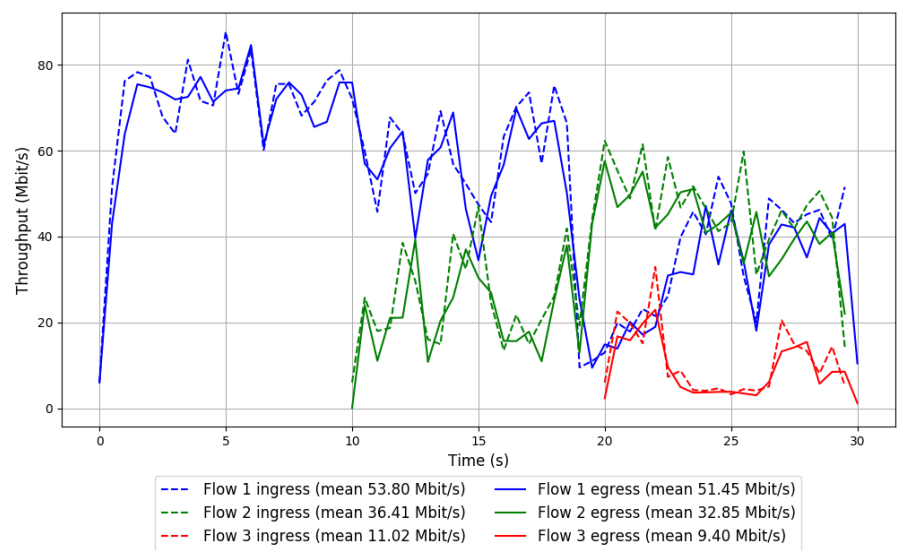
-- Flow 3:

Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 125.526 ms

Loss rate: 14.72%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-03 22:58:22

End at: 2018-04-03 22:58:52

Local clock offset: -3.845 ms

Remote clock offset: 6.25 ms

Below is generated by plot.py at 2018-04-04 01:38:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 124.021 ms

Loss rate: 5.96%

-- Flow 1:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 122.815 ms

Loss rate: 3.89%

-- Flow 2:

Average throughput: 15.87 Mbit/s

95th percentile per-packet one-way delay: 125.337 ms

Loss rate: 12.80%

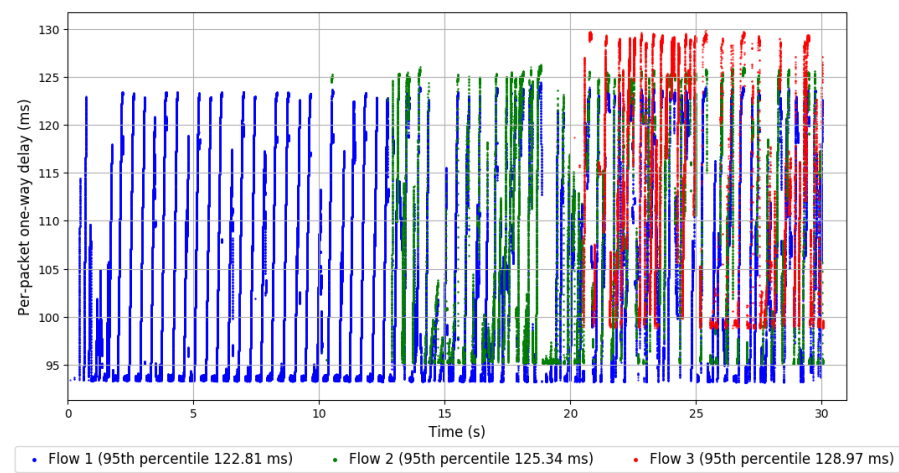
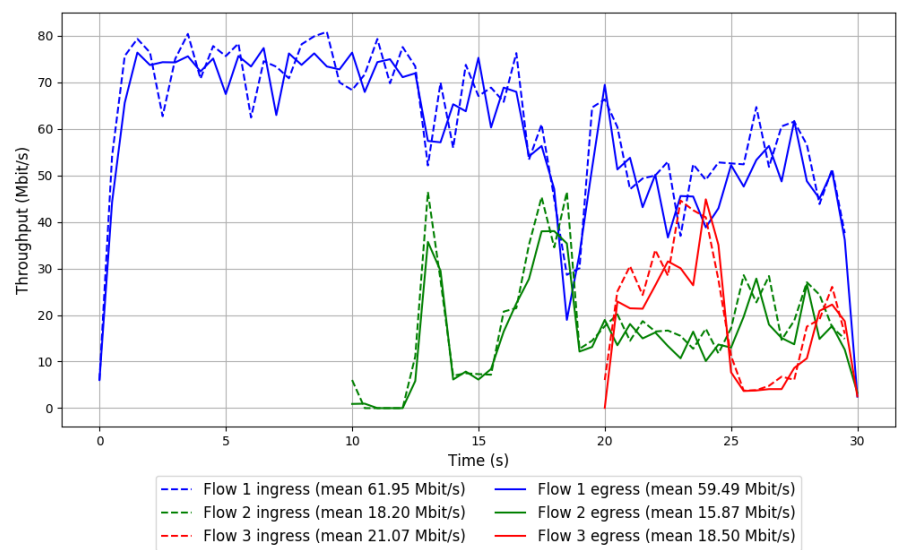
-- Flow 3:

Average throughput: 18.50 Mbit/s

95th percentile per-packet one-way delay: 128.968 ms

Loss rate: 12.42%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-03 23:22:08

End at: 2018-04-03 23:22:38

Local clock offset: -4.016 ms

Remote clock offset: 6.983 ms

Below is generated by plot.py at 2018-04-04 01:38:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.29 Mbit/s

95th percentile per-packet one-way delay: 121.443 ms

Loss rate: 6.27%

-- Flow 1:

Average throughput: 44.01 Mbit/s

95th percentile per-packet one-way delay: 121.880 ms

Loss rate: 4.94%

-- Flow 2:

Average throughput: 40.72 Mbit/s

95th percentile per-packet one-way delay: 120.933 ms

Loss rate: 6.90%

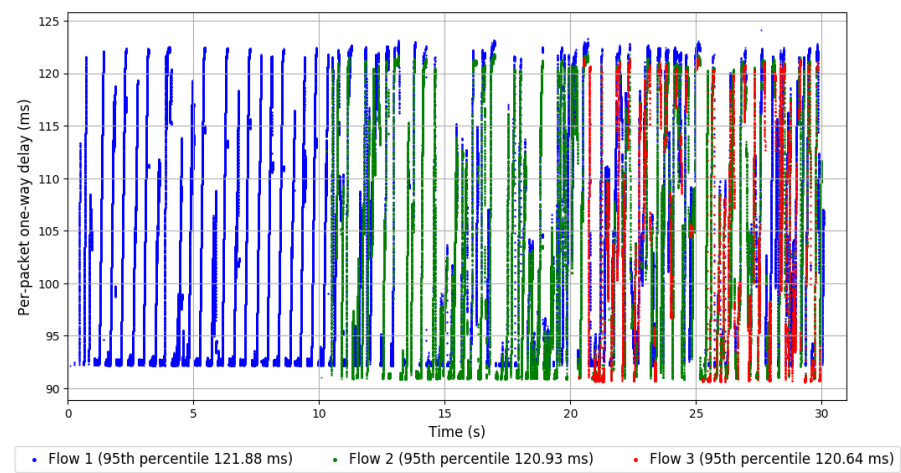
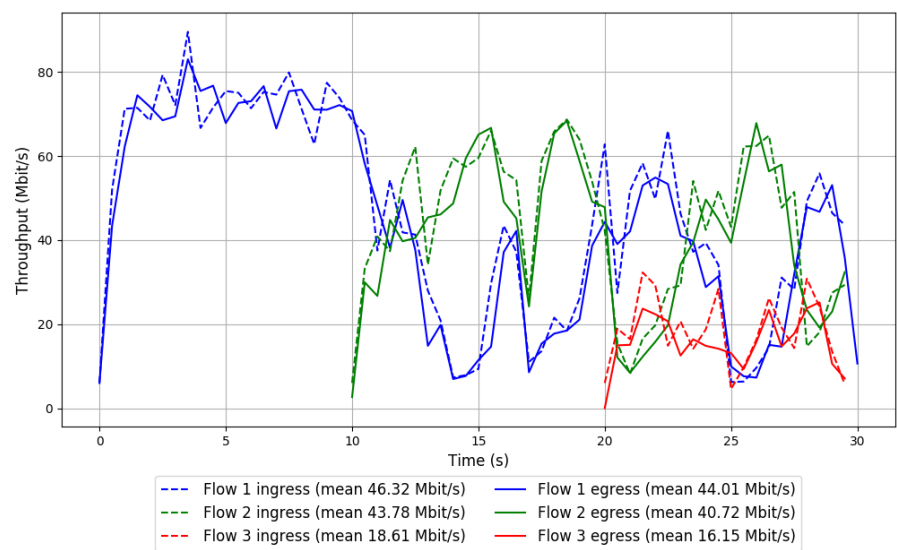
-- Flow 3:

Average throughput: 16.15 Mbit/s

95th percentile per-packet one-way delay: 120.645 ms

Loss rate: 13.40%

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

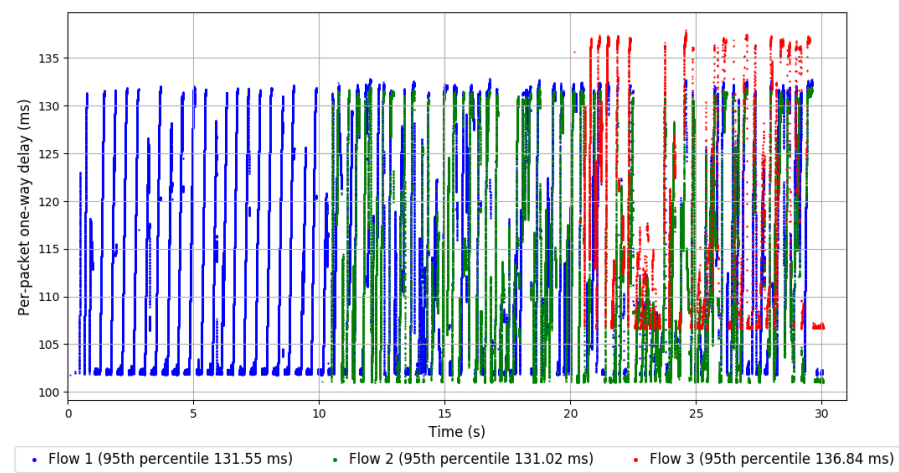
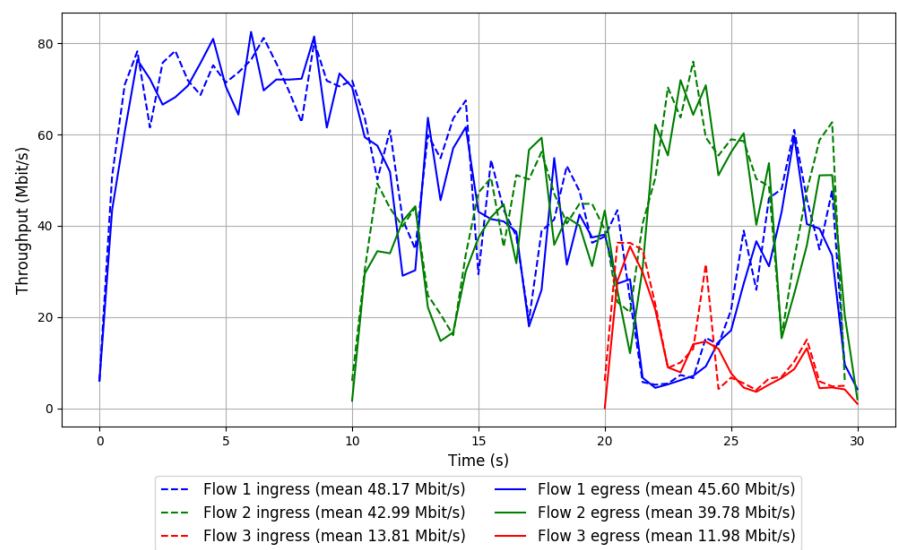


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-03 23:46:08
End at: 2018-04-03 23:46:38
Local clock offset: -7.154 ms
Remote clock offset: 11.642 ms

Below is generated by plot.py at 2018-04-04 01:38:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 131.482 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 131.551 ms
Loss rate: 5.32%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 131.021 ms
Loss rate: 7.46%
-- Flow 3:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 13.59%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-04 00:10:19

End at: 2018-04-04 00:10:49

Local clock offset: 0.899 ms

Remote clock offset: 4.175 ms

Below is generated by plot.py at 2018-04-04 01:38:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.01 Mbit/s

95th percentile per-packet one-way delay: 121.105 ms

Loss rate: 6.26%

-- Flow 1:

Average throughput: 47.21 Mbit/s

95th percentile per-packet one-way delay: 121.203 ms

Loss rate: 4.72%

-- Flow 2:

Average throughput: 34.57 Mbit/s

95th percentile per-packet one-way delay: 116.679 ms

Loss rate: 8.19%

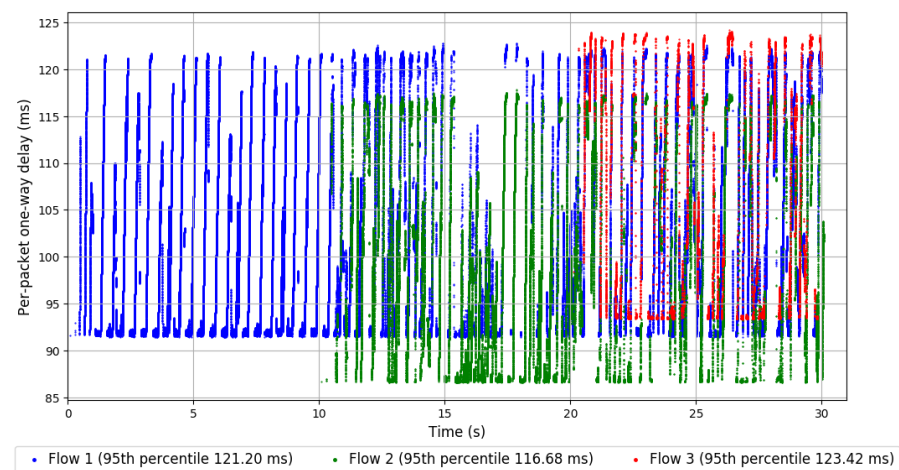
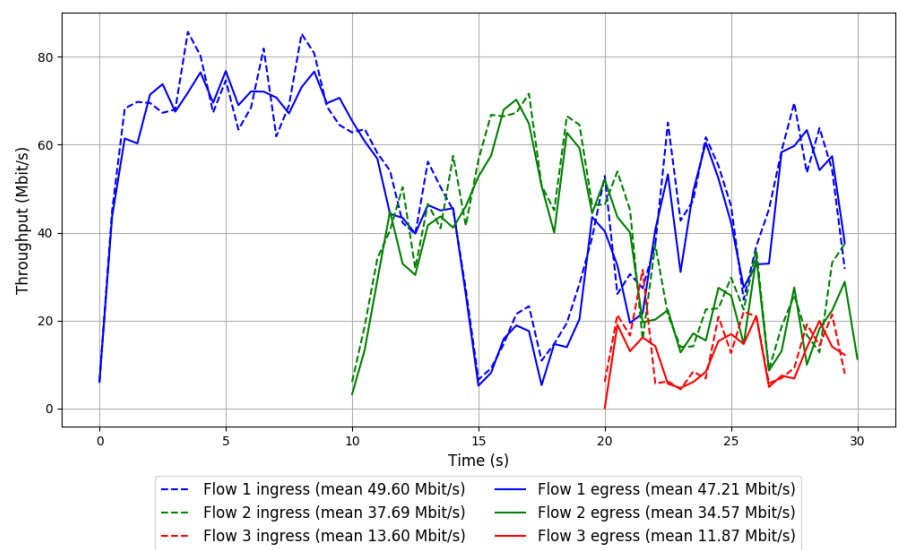
-- Flow 3:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 123.423 ms

Loss rate: 12.58%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-04 00:34:19

End at: 2018-04-04 00:34:49

Local clock offset: 3.348 ms

Remote clock offset: 8.304 ms

Below is generated by plot.py at 2018-04-04 01:39:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.88 Mbit/s

95th percentile per-packet one-way delay: 124.546 ms

Loss rate: 7.01%

-- Flow 1:

Average throughput: 48.37 Mbit/s

95th percentile per-packet one-way delay: 124.763 ms

Loss rate: 4.99%

-- Flow 2:

Average throughput: 30.55 Mbit/s

95th percentile per-packet one-way delay: 121.324 ms

Loss rate: 9.95%

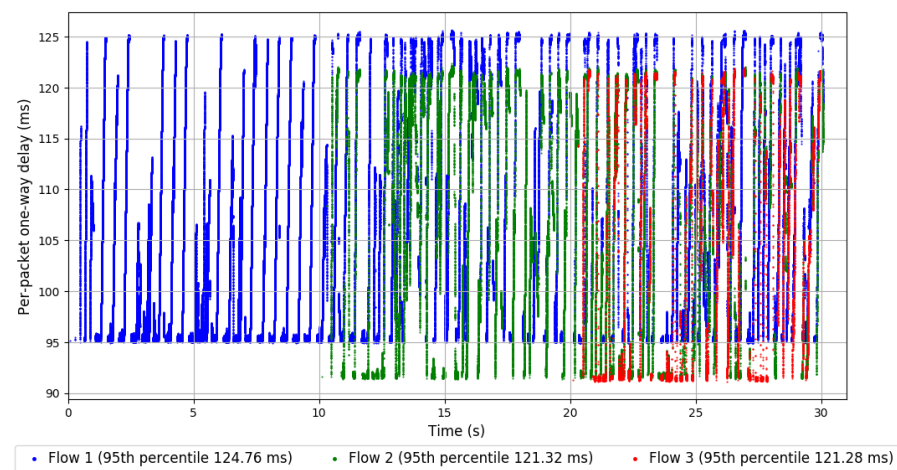
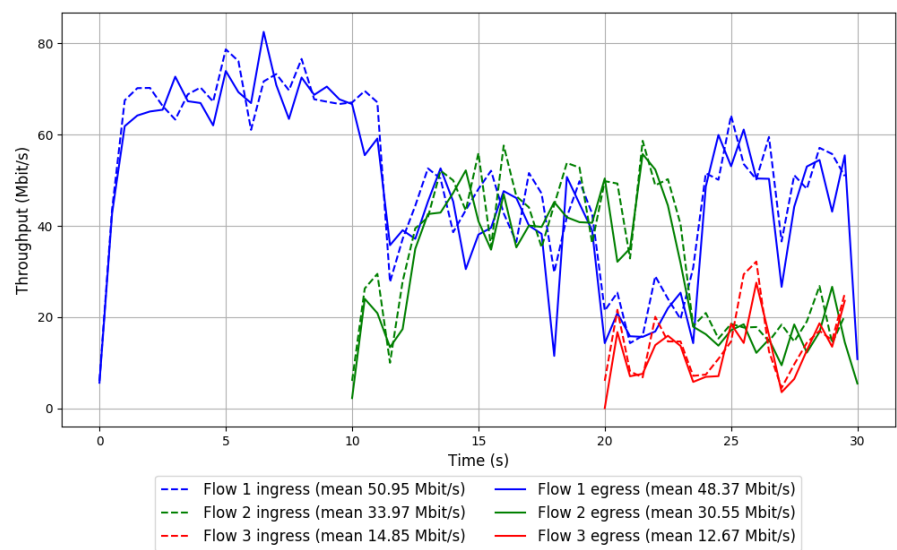
-- Flow 3:

Average throughput: 12.67 Mbit/s

95th percentile per-packet one-way delay: 121.285 ms

Loss rate: 14.44%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-04 00:58:07

End at: 2018-04-04 00:58:37

Local clock offset: -5.282 ms

Remote clock offset: 6.026 ms

Below is generated by plot.py at 2018-04-04 01:40:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 125.237 ms

Loss rate: 5.41%

-- Flow 1:

Average throughput: 43.36 Mbit/s

95th percentile per-packet one-way delay: 124.998 ms

Loss rate: 3.16%

-- Flow 2:

Average throughput: 26.00 Mbit/s

95th percentile per-packet one-way delay: 125.608 ms

Loss rate: 9.76%

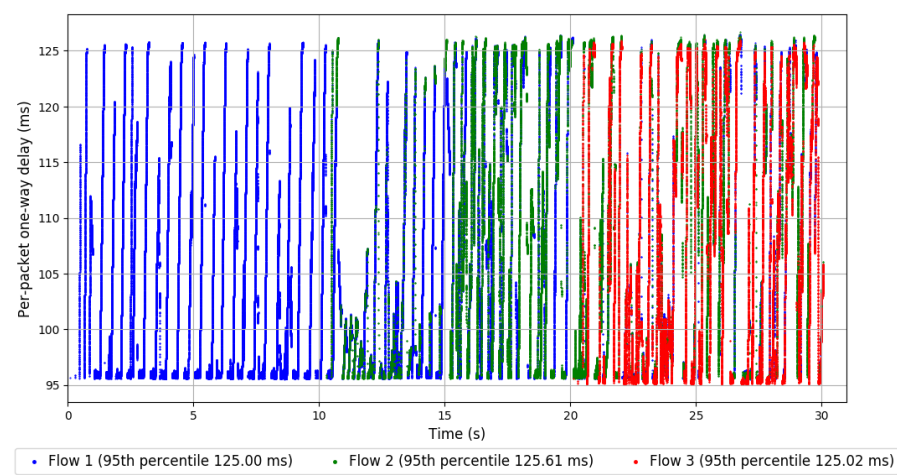
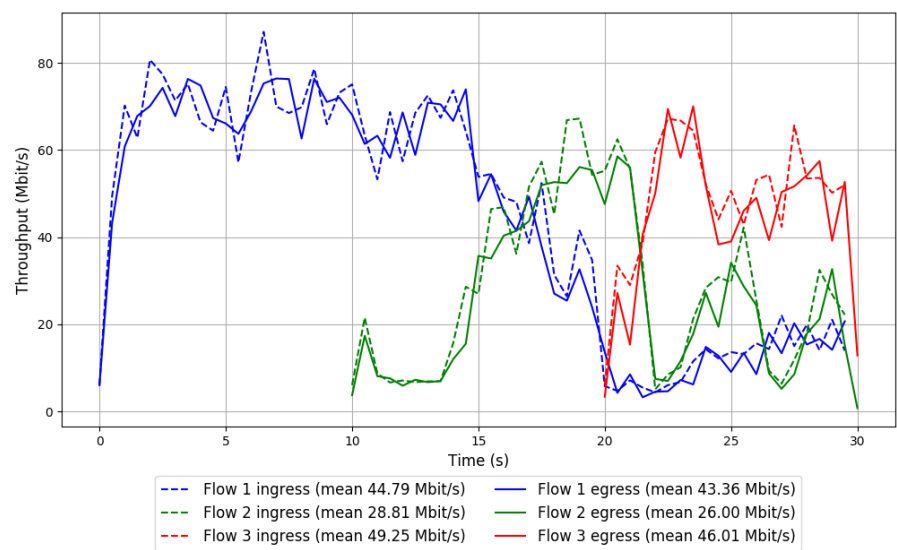
-- Flow 3:

Average throughput: 46.01 Mbit/s

95th percentile per-packet one-way delay: 125.018 ms

Loss rate: 6.48%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-03 21:03:20

End at: 2018-04-03 21:03:50

Local clock offset: -7.502 ms

Remote clock offset: 5.406 ms

Below is generated by plot.py at 2018-04-04 01:40:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.18 Mbit/s

95th percentile per-packet one-way delay: 103.412 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 25.51 Mbit/s

95th percentile per-packet one-way delay: 103.024 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 30.03 Mbit/s

95th percentile per-packet one-way delay: 103.927 ms

Loss rate: 0.63%

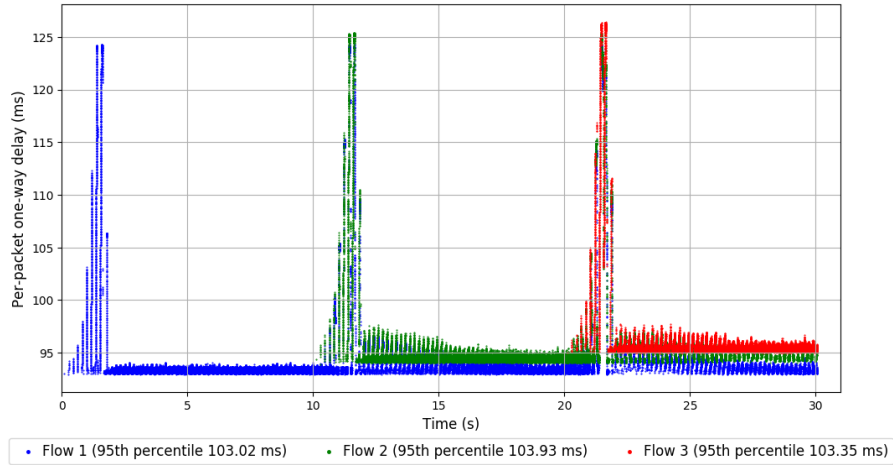
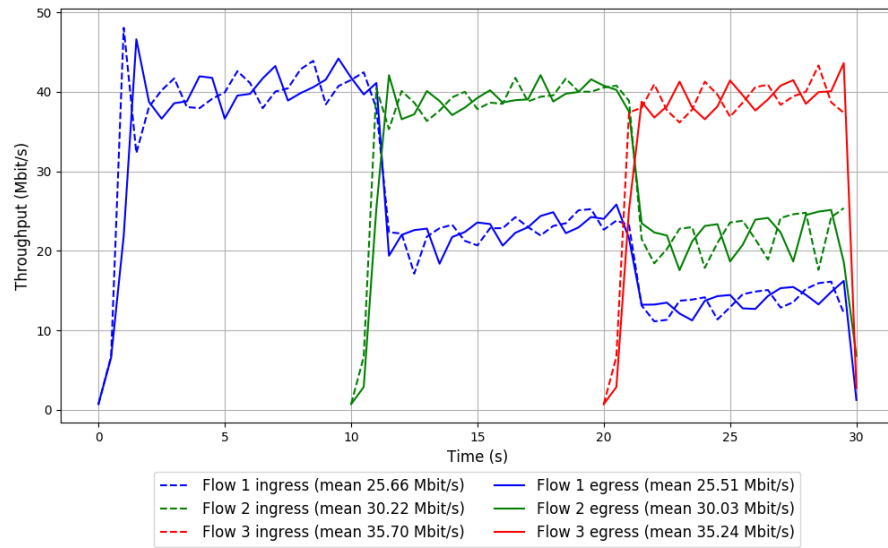
-- Flow 3:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 103.350 ms

Loss rate: 1.28%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 21:28:06

End at: 2018-04-03 21:28:36

Local clock offset: -3.622 ms

Remote clock offset: 5.12 ms

Below is generated by plot.py at 2018-04-04 01:40:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.55 Mbit/s

95th percentile per-packet one-way delay: 117.591 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 19.74 Mbit/s

95th percentile per-packet one-way delay: 114.060 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 17.21 Mbit/s

95th percentile per-packet one-way delay: 121.582 ms

Loss rate: 1.98%

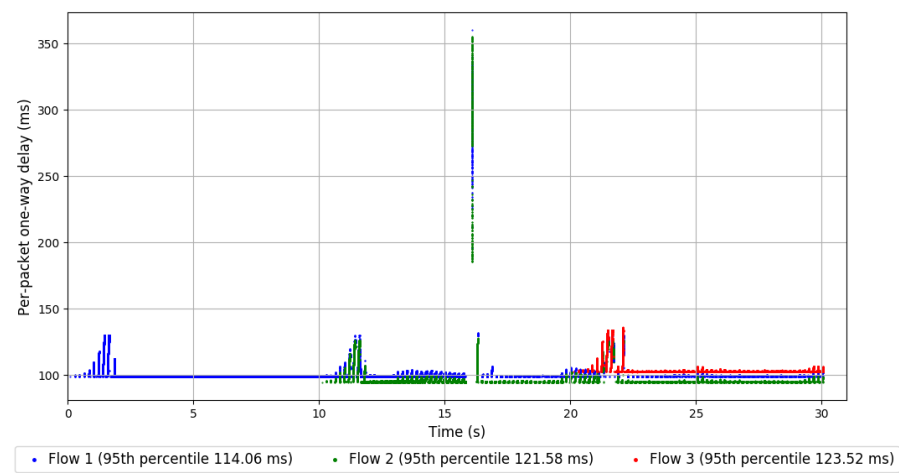
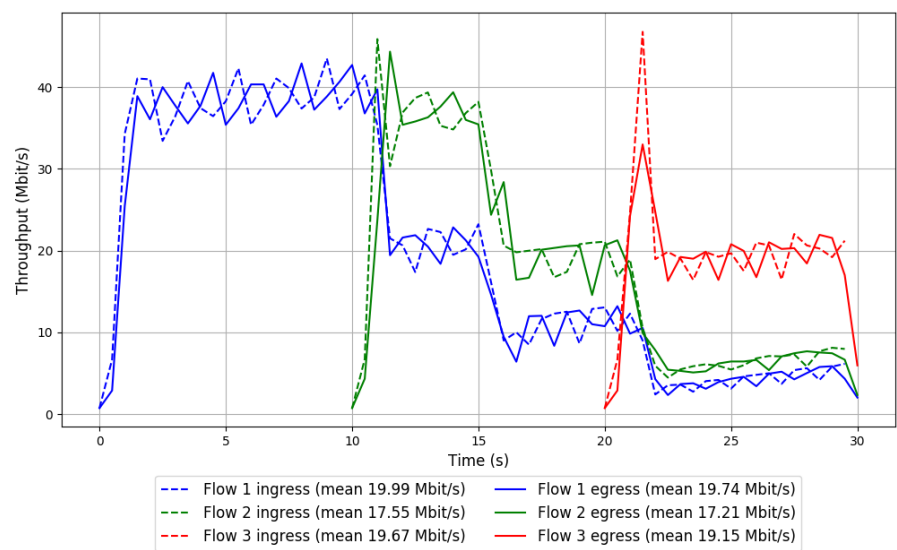
-- Flow 3:

Average throughput: 19.15 Mbit/s

95th percentile per-packet one-way delay: 123.520 ms

Loss rate: 2.67%

Run 2: Report of TCP Vegas — Data Link

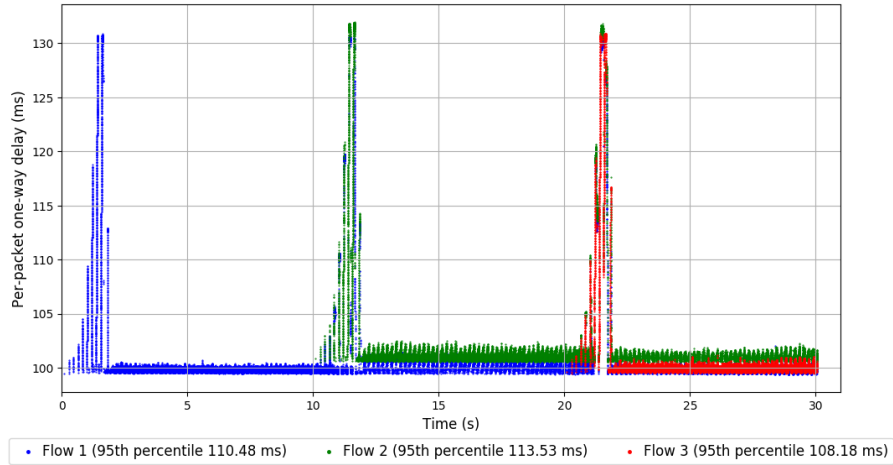
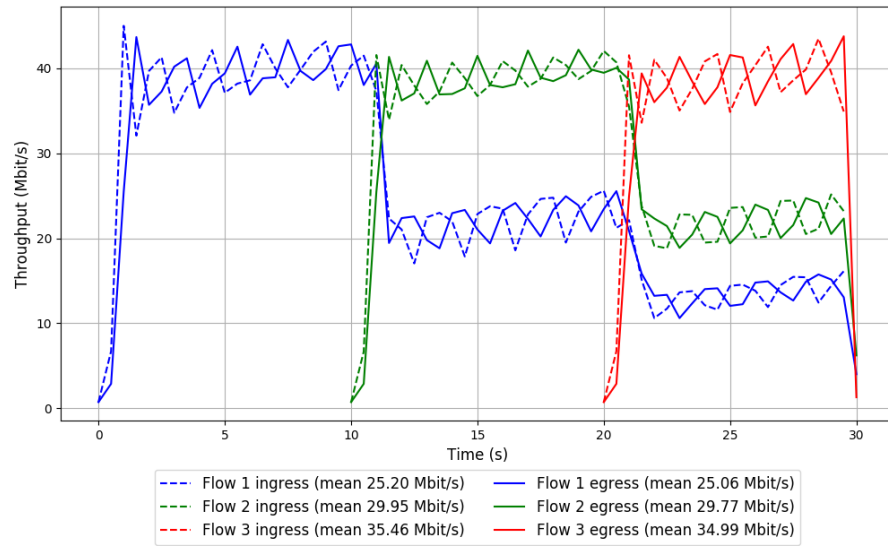


Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 21:52:04
End at: 2018-04-03 21:52:34
Local clock offset: -4.958 ms
Remote clock offset: 9.682 ms

Below is generated by plot.py at 2018-04-04 01:40:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 110.666 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 110.476 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 113.529 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 108.184 ms
Loss rate: 1.33%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-03 22:16:02

End at: 2018-04-03 22:16:32

Local clock offset: -7.802 ms

Remote clock offset: 11.14 ms

Below is generated by plot.py at 2018-04-04 01:40:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.64 Mbit/s

95th percentile per-packet one-way delay: 112.723 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 25.26 Mbit/s

95th percentile per-packet one-way delay: 112.710 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 29.99 Mbit/s

95th percentile per-packet one-way delay: 114.450 ms

Loss rate: 0.62%

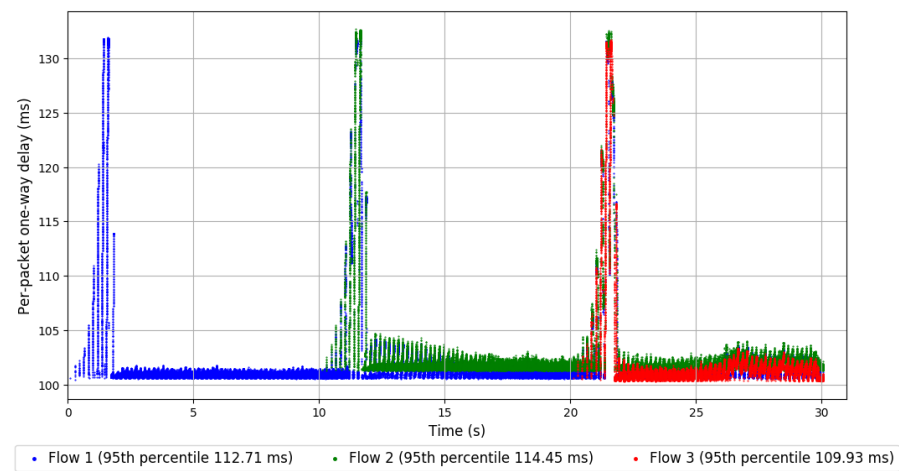
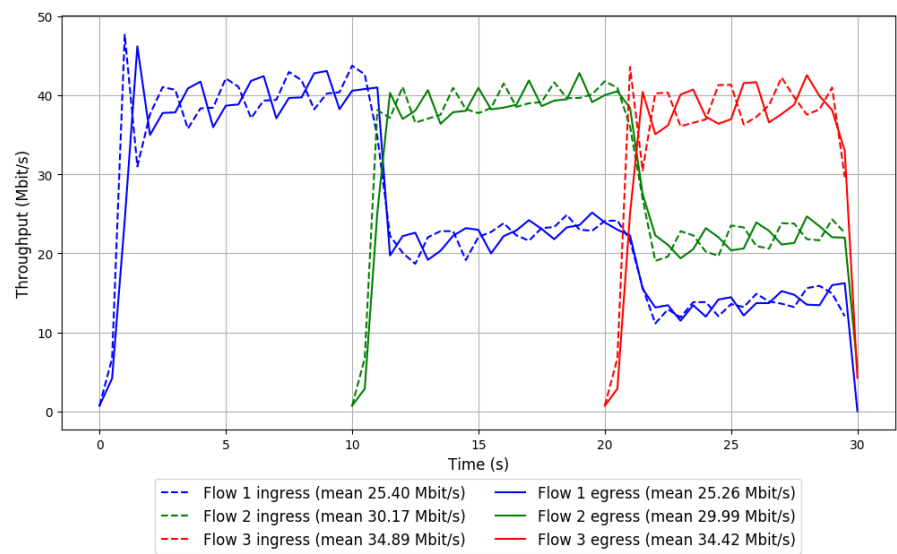
-- Flow 3:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 109.926 ms

Loss rate: 1.33%

Run 4: Report of TCP Vegas — Data Link

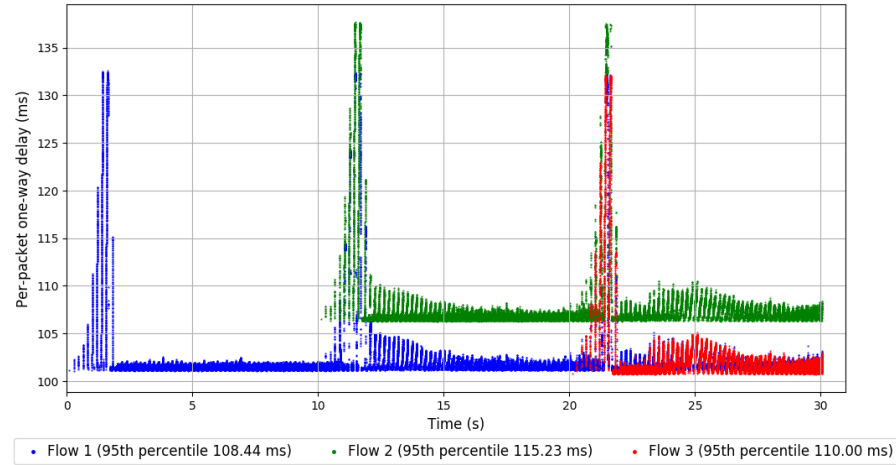
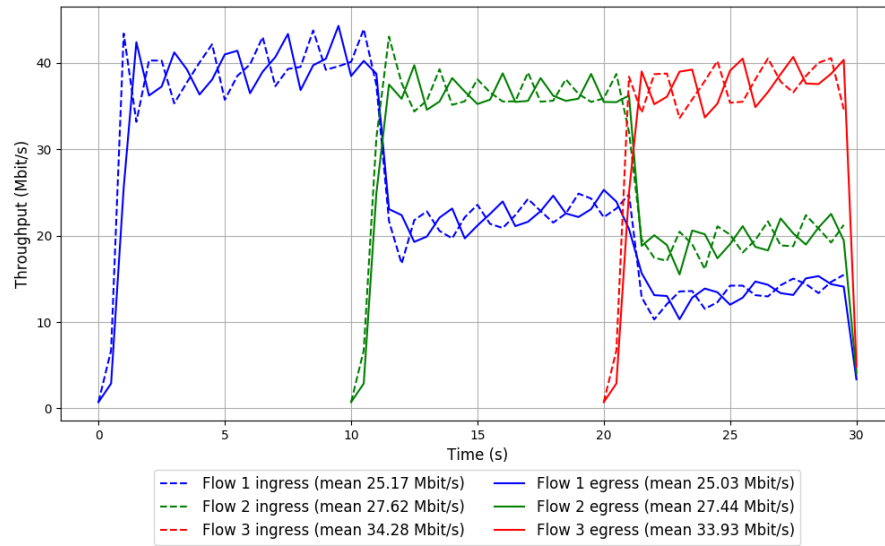


Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 22:39:57
End at: 2018-04-03 22:40:27
Local clock offset: -3.195 ms
Remote clock offset: 11.064 ms

Below is generated by plot.py at 2018-04-04 01:40:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.57 Mbit/s
95th percentile per-packet one-way delay: 111.864 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 108.442 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 115.229 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 33.93 Mbit/s
95th percentile per-packet one-way delay: 110.004 ms
Loss rate: 1.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 23:03:44

End at: 2018-04-03 23:04:14

Local clock offset: -5.155 ms

Remote clock offset: 5.63 ms

Below is generated by plot.py at 2018-04-04 01:40:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.78 Mbit/s

95th percentile per-packet one-way delay: 108.958 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 24.61 Mbit/s

95th percentile per-packet one-way delay: 109.632 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 28.12 Mbit/s

95th percentile per-packet one-way delay: 111.596 ms

Loss rate: 0.66%

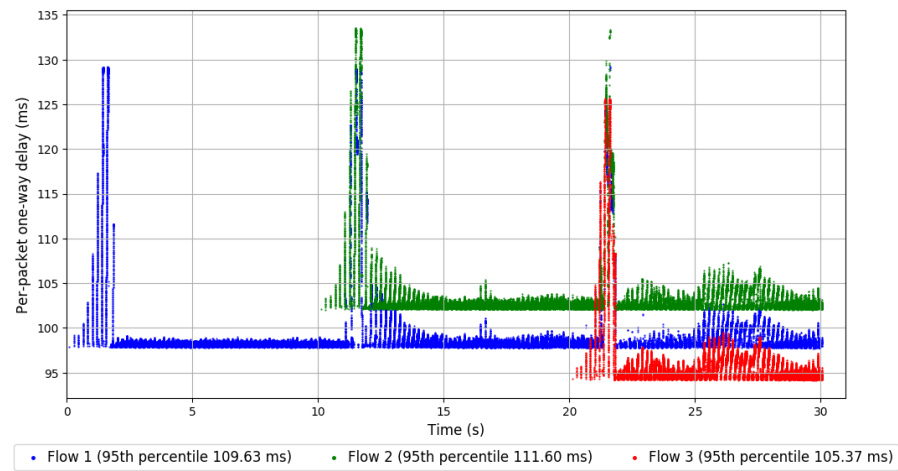
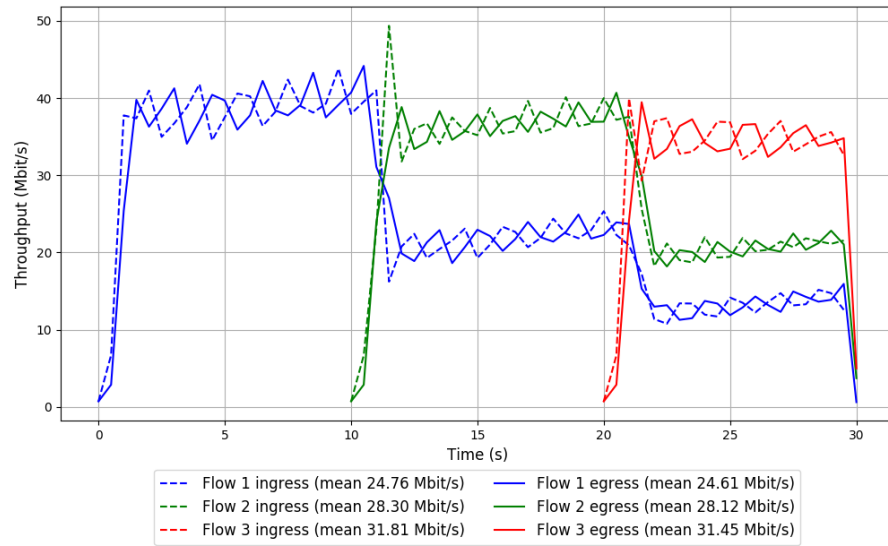
-- Flow 3:

Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 105.370 ms

Loss rate: 1.12%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-03 23:27:30

End at: 2018-04-03 23:28:00

Local clock offset: -7.287 ms

Remote clock offset: 6.503 ms

Below is generated by plot.py at 2018-04-04 01:40:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.82 Mbit/s

95th percentile per-packet one-way delay: 103.168 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 25.33 Mbit/s

95th percentile per-packet one-way delay: 98.064 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 107.083 ms

Loss rate: 0.65%

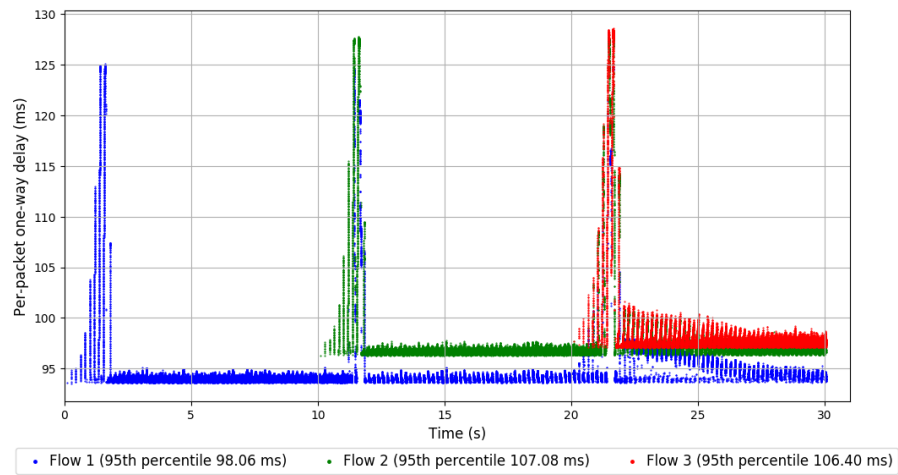
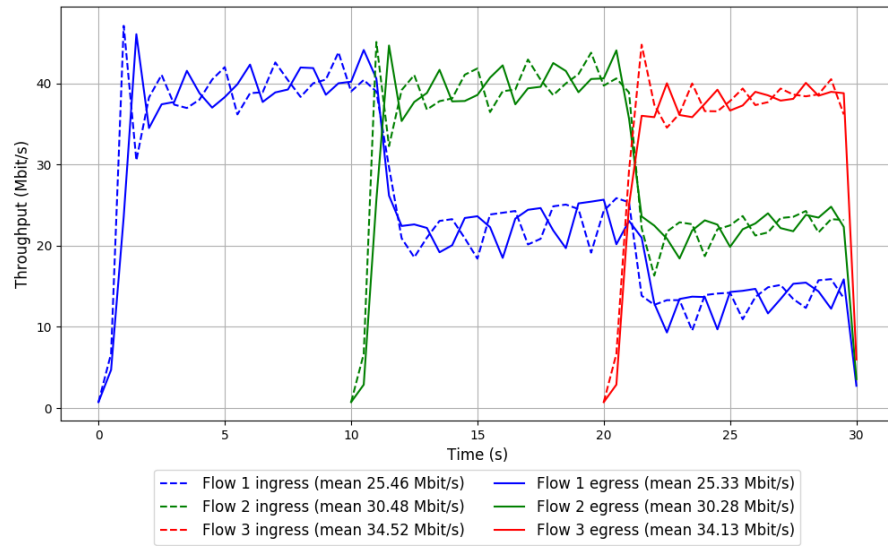
-- Flow 3:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 106.397 ms

Loss rate: 1.15%

Run 7: Report of TCP Vegas — Data Link

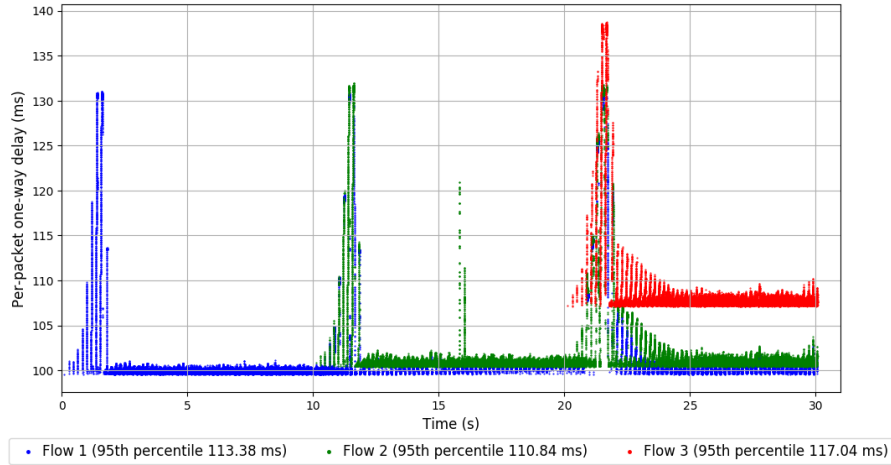
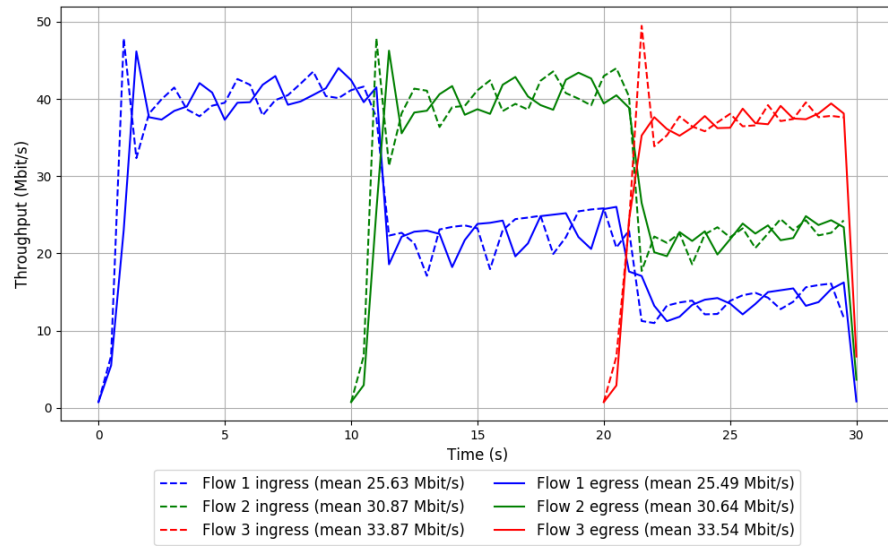


Run 8: Statistics of TCP Vegas

Start at: 2018-04-03 23:51:30
End at: 2018-04-03 23:52:00
Local clock offset: -7.822 ms
Remote clock offset: 11.438 ms

Below is generated by plot.py at 2018-04-04 01:40:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 113.284 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 113.378 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 110.841 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 33.54 Mbit/s
95th percentile per-packet one-way delay: 117.038 ms
Loss rate: 1.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-04 00:15:40

End at: 2018-04-04 00:16:10

Local clock offset: 11.826 ms

Remote clock offset: 4.704 ms

Below is generated by plot.py at 2018-04-04 01:40:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.40 Mbit/s

95th percentile per-packet one-way delay: 89.438 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 88.132 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 24.95 Mbit/s

95th percentile per-packet one-way delay: 85.271 ms

Loss rate: 0.86%

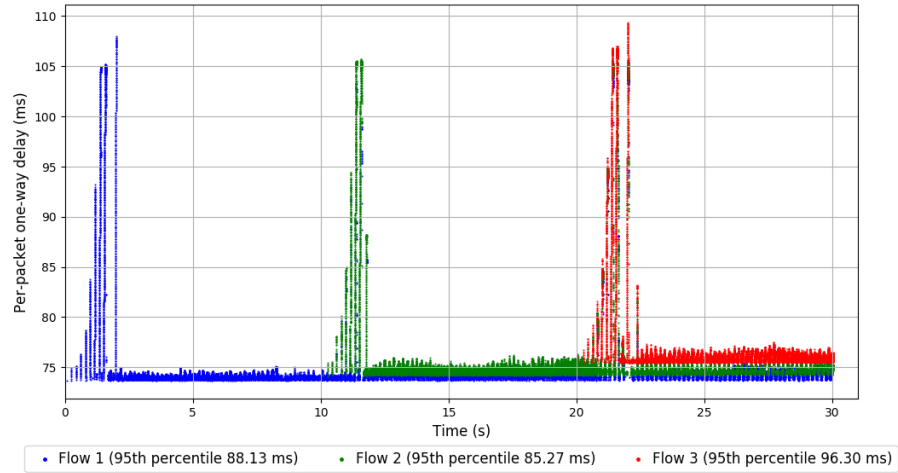
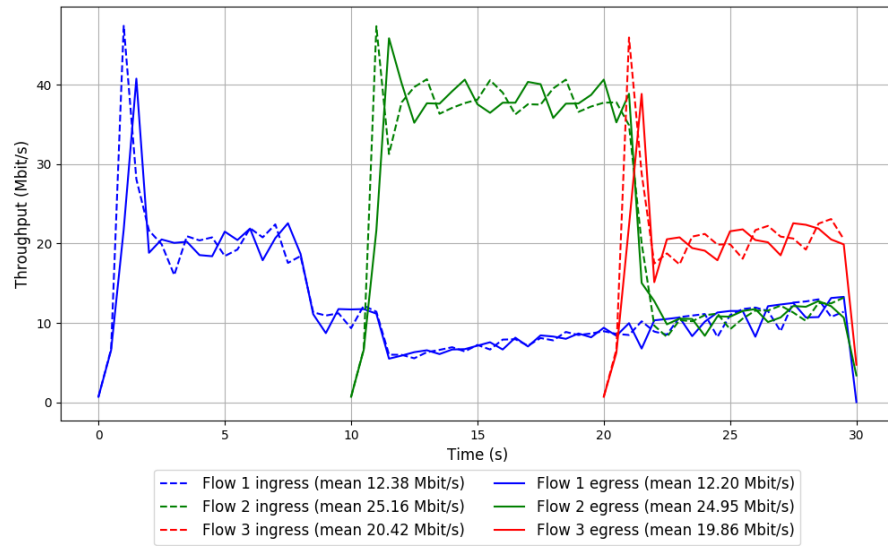
-- Flow 3:

Average throughput: 19.86 Mbit/s

95th percentile per-packet one-way delay: 96.299 ms

Loss rate: 2.74%

Run 9: Report of TCP Vegas — Data Link

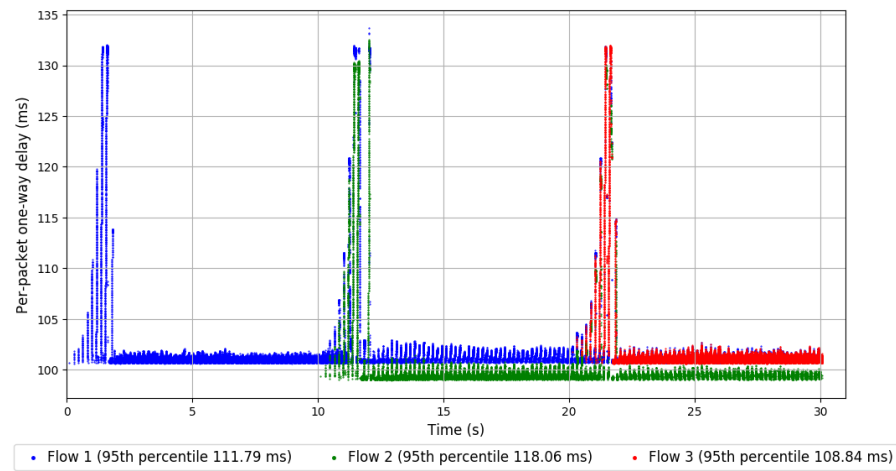
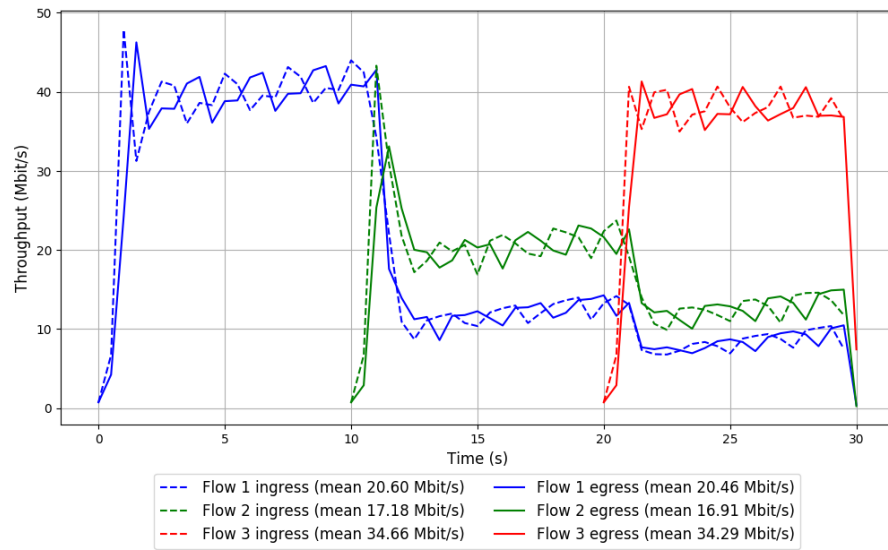


Run 10: Statistics of TCP Vegas

Start at: 2018-04-04 00:39:41
End at: 2018-04-04 00:40:11
Local clock offset: -6.793 ms
Remote clock offset: 11.149 ms

Below is generated by plot.py at 2018-04-04 01:40:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 112.817 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 111.793 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 16.91 Mbit/s
95th percentile per-packet one-way delay: 118.065 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 108.842 ms
Loss rate: 1.07%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-03 21:16:21

End at: 2018-04-03 21:16:51

Local clock offset: -5.998 ms

Remote clock offset: 4.678 ms

Below is generated by plot.py at 2018-04-04 01:40:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.16 Mbit/s

95th percentile per-packet one-way delay: 130.306 ms

Loss rate: 30.93%

-- Flow 1:

Average throughput: 25.34 Mbit/s

95th percentile per-packet one-way delay: 126.820 ms

Loss rate: 36.13%

-- Flow 2:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: 131.619 ms

Loss rate: 13.76%

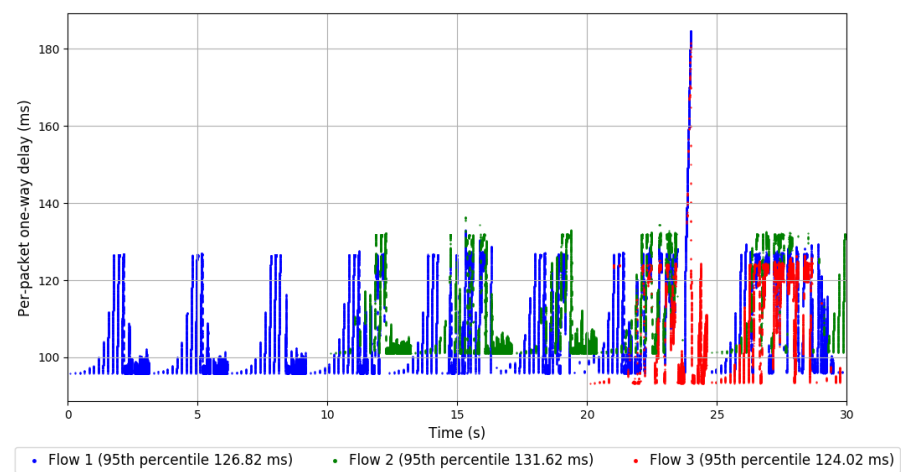
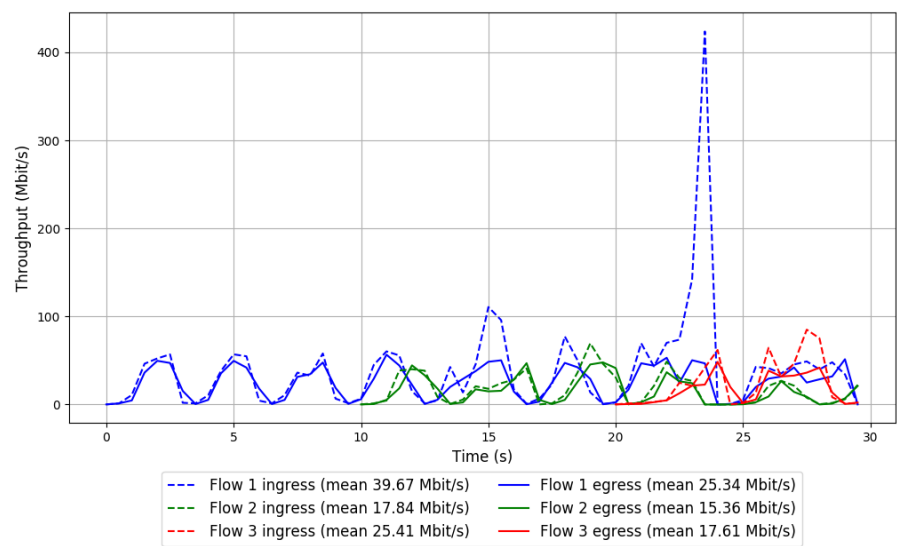
-- Flow 3:

Average throughput: 17.61 Mbit/s

95th percentile per-packet one-way delay: 124.024 ms

Loss rate: 30.67%

Run 1: Report of Verus — Data Link

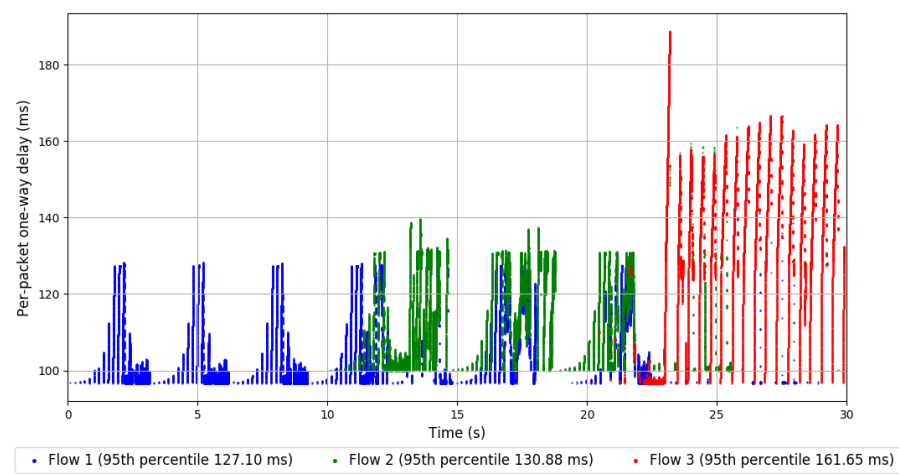
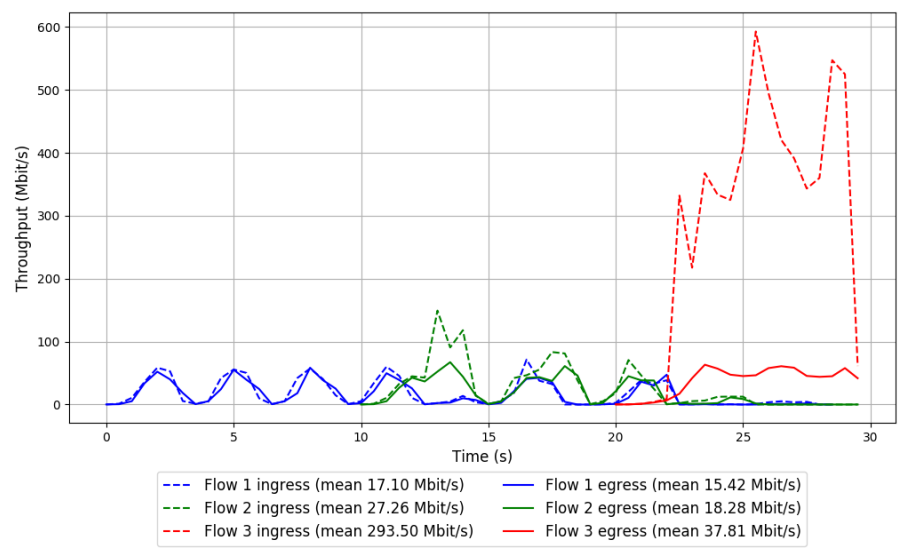


Run 2: Statistics of Verus

Start at: 2018-04-03 21:41:04
End at: 2018-04-03 21:41:34
Local clock offset: -2.811 ms
Remote clock offset: 4.731 ms

Below is generated by plot.py at 2018-04-04 01:40:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 155.573 ms
Loss rate: 69.86%
-- Flow 1:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 127.100 ms
Loss rate: 10.40%
-- Flow 2:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 130.877 ms
Loss rate: 32.94%
-- Flow 3:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 161.651 ms
Loss rate: 87.07%

Run 2: Report of Verus — Data Link

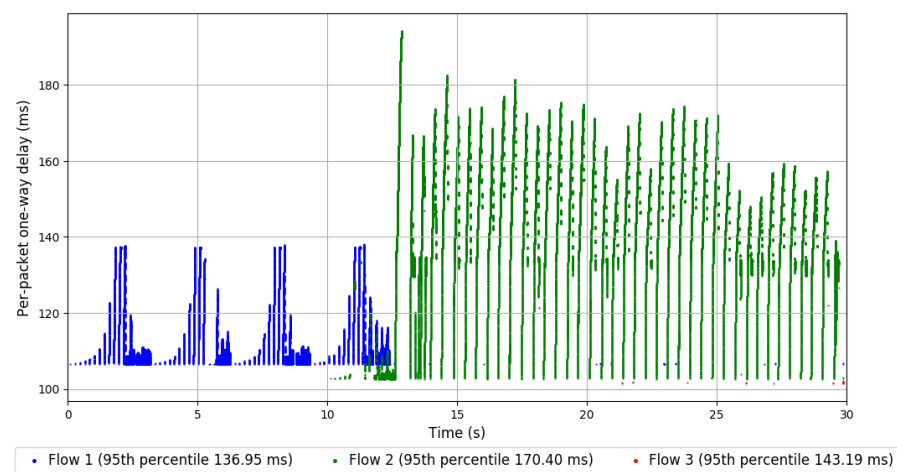
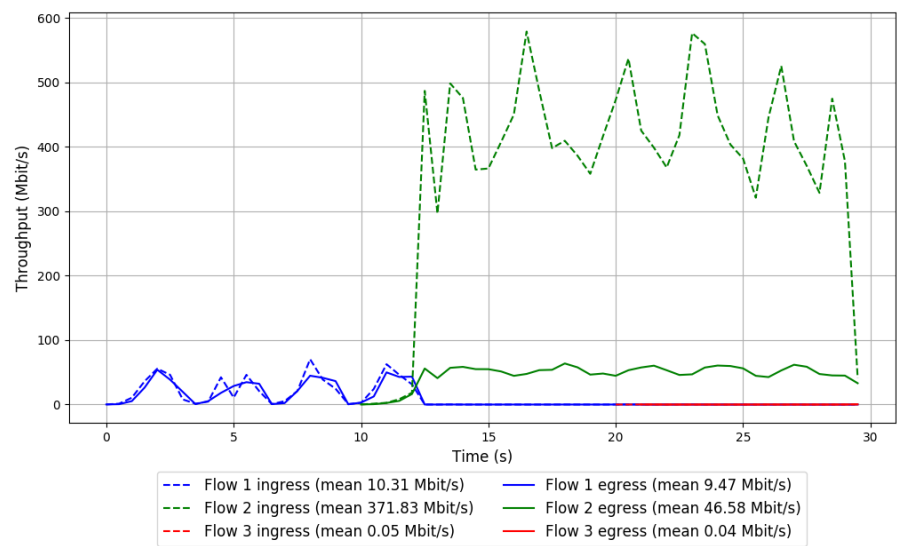


Run 3: Statistics of Verus

Start at: 2018-04-03 22:05:01
End at: 2018-04-03 22:05:31
Local clock offset: -7.058 ms
Remote clock offset: 11.121 ms

Below is generated by plot.py at 2018-04-04 01:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 169.067 ms
Loss rate: 84.29%
-- Flow 1:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 136.953 ms
Loss rate: 8.10%
-- Flow 2:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 170.398 ms
Loss rate: 87.47%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 143.187 ms
Loss rate: 39.53%

Run 3: Report of Verus — Data Link

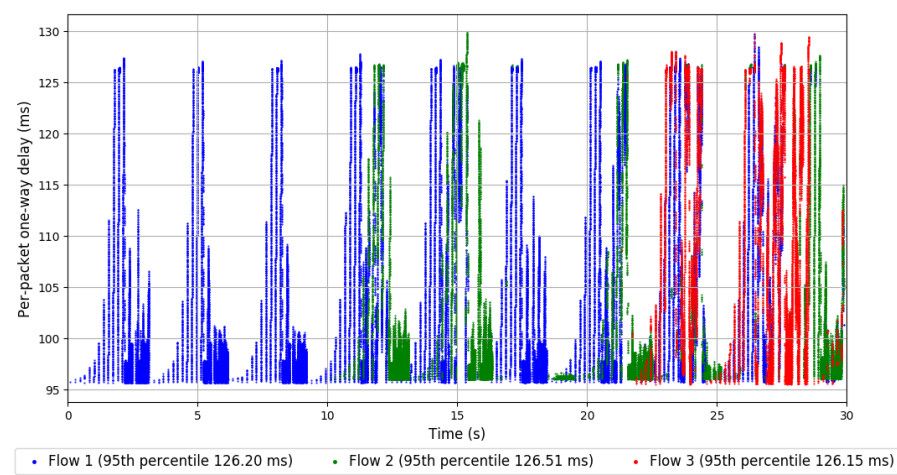
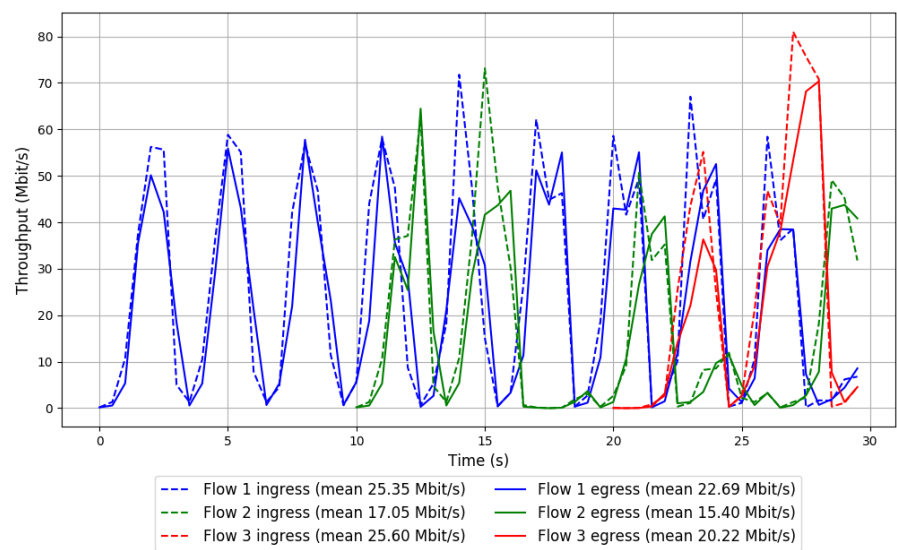


Run 4: Statistics of Verus

Start at: 2018-04-03 22:29:02
End at: 2018-04-03 22:29:32
Local clock offset: -4.703 ms
Remote clock offset: 5.651 ms

```
# Below is generated by plot.py at 2018-04-04 01:41:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 126.256 ms
Loss rate: 12.23%
-- Flow 1:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 126.197 ms
Loss rate: 10.48%
-- Flow 2:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 126.508 ms
Loss rate: 9.61%
-- Flow 3:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 126.146 ms
Loss rate: 21.12%
```

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-03 22:52:58

End at: 2018-04-03 22:53:28

Local clock offset: -2.475 ms

Remote clock offset: 5.823 ms

Below is generated by plot.py at 2018-04-04 01:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.20 Mbit/s

95th percentile per-packet one-way delay: 149.836 ms

Loss rate: 75.43%

-- Flow 1:

Average throughput: 11.41 Mbit/s

95th percentile per-packet one-way delay: 133.656 ms

Loss rate: 10.39%

-- Flow 2:

Average throughput: 38.62 Mbit/s

95th percentile per-packet one-way delay: 152.599 ms

Loss rate: 82.19%

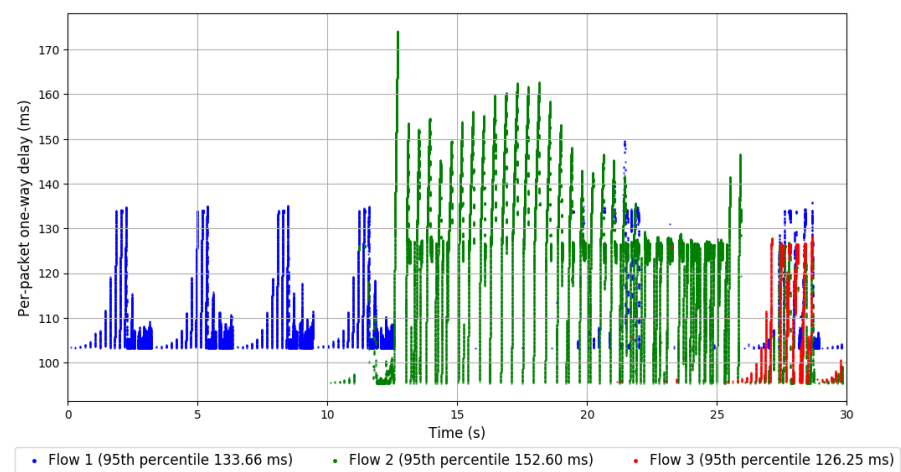
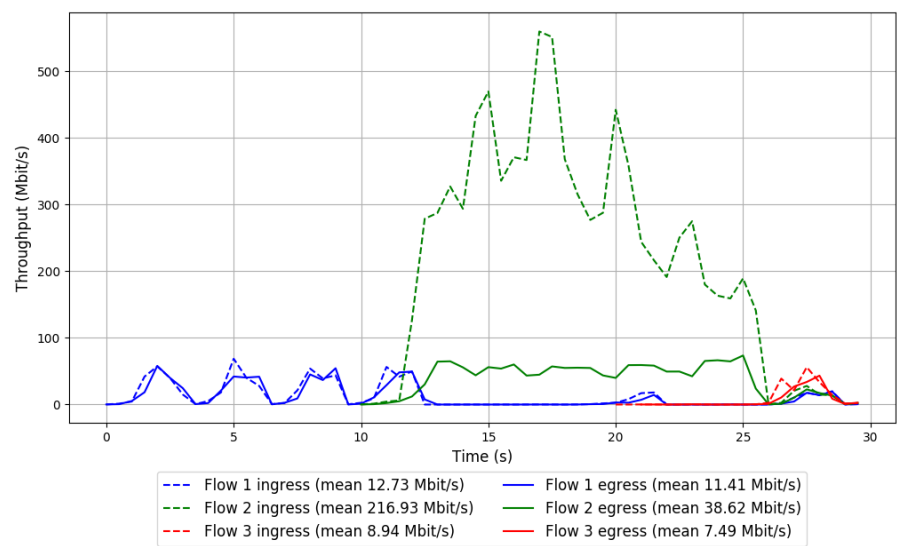
-- Flow 3:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 126.248 ms

Loss rate: 24.87%

Run 5: Report of Verus — Data Link

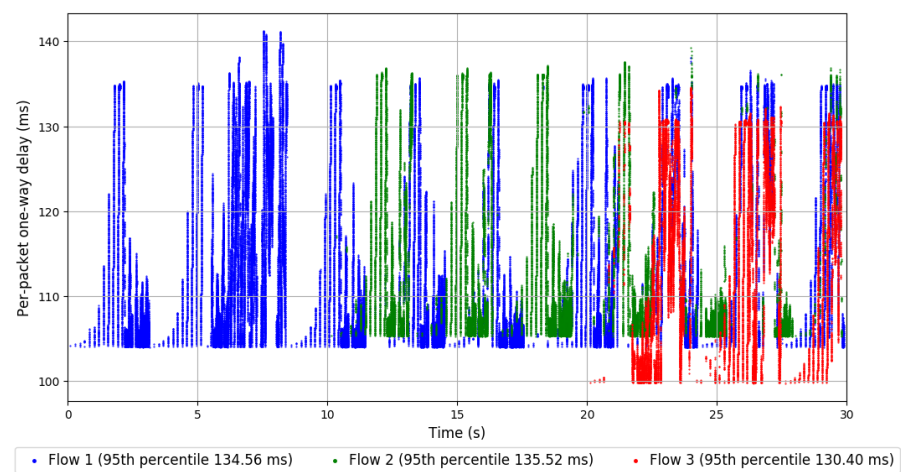
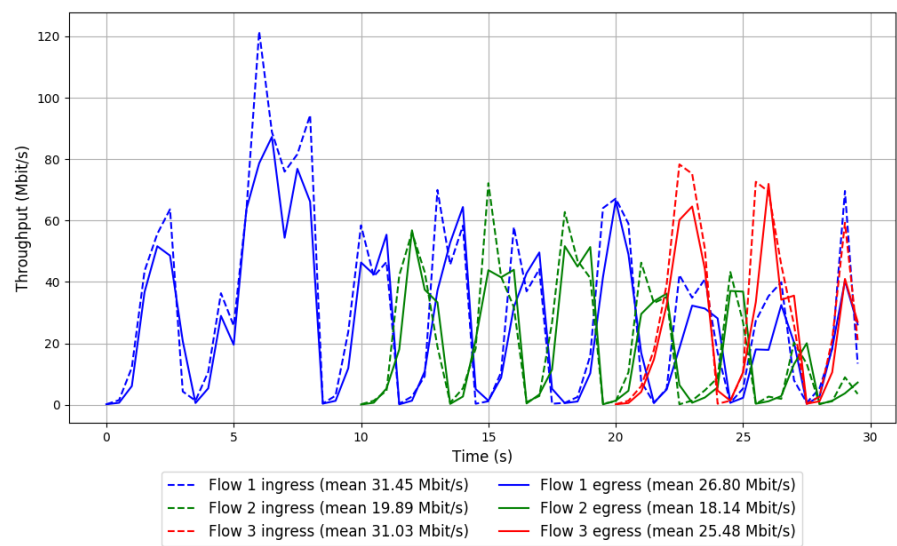


Run 6: Statistics of Verus

Start at: 2018-04-03 23:16:44
End at: 2018-04-03 23:17:14
Local clock offset: -6.465 ms
Remote clock offset: 13.175 ms

Below is generated by plot.py at 2018-04-04 01:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 134.532 ms
Loss rate: 13.91%
-- Flow 1:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 134.565 ms
Loss rate: 14.80%
-- Flow 2:
Average throughput: 18.14 Mbit/s
95th percentile per-packet one-way delay: 135.518 ms
Loss rate: 8.81%
-- Flow 3:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 130.400 ms
Loss rate: 17.76%

Run 6: Report of Verus — Data Link

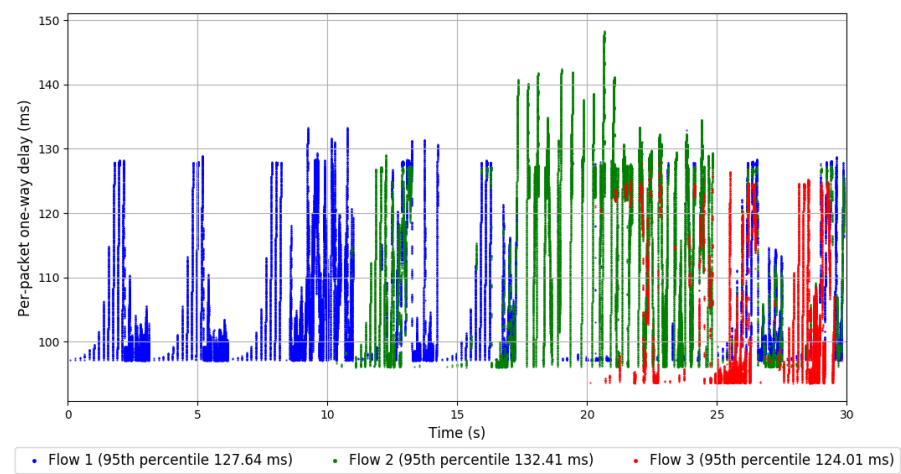
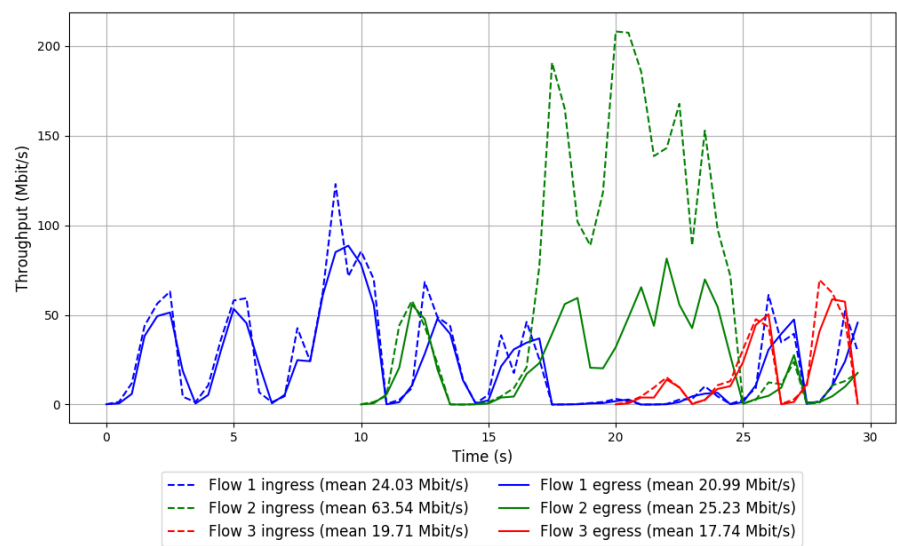


Run 7: Statistics of Verus

Start at: 2018-04-03 23:40:31
End at: 2018-04-03 23:41:01
Local clock offset: -7.466 ms
Remote clock offset: 5.462 ms

Below is generated by plot.py at 2018-04-04 01:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 128.227 ms
Loss rate: 40.06%
-- Flow 1:
Average throughput: 20.99 Mbit/s
95th percentile per-packet one-way delay: 127.642 ms
Loss rate: 12.59%
-- Flow 2:
Average throughput: 25.23 Mbit/s
95th percentile per-packet one-way delay: 132.410 ms
Loss rate: 60.31%
-- Flow 3:
Average throughput: 17.74 Mbit/s
95th percentile per-packet one-way delay: 124.012 ms
Loss rate: 9.92%

Run 7: Report of Verus — Data Link

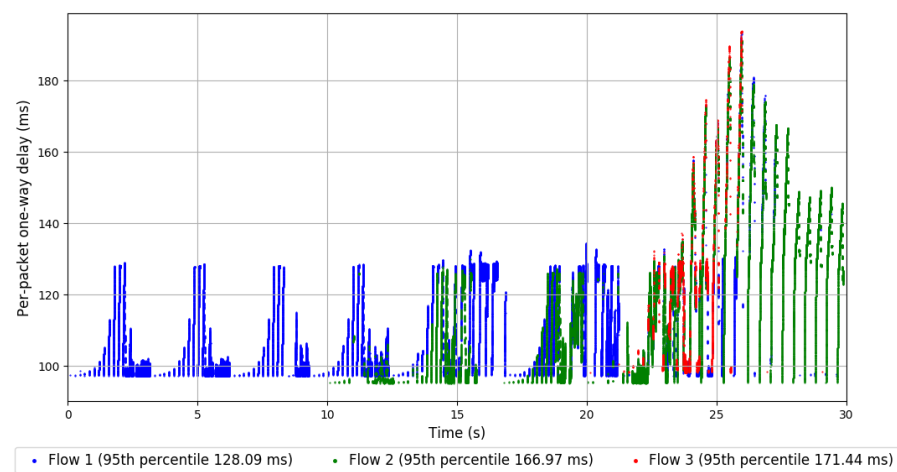
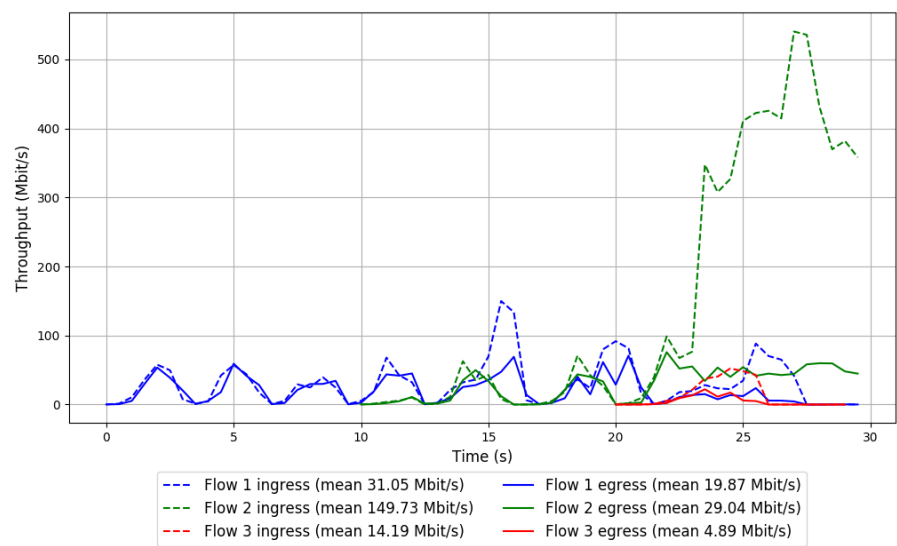


Run 8: Statistics of Verus

Start at: 2018-04-04 00:04:33
End at: 2018-04-04 00:05:03
Local clock offset: -7.832 ms
Remote clock offset: 4.119 ms

Below is generated by plot.py at 2018-04-04 01:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 160.342 ms
Loss rate: 69.95%
-- Flow 1:
Average throughput: 19.87 Mbit/s
95th percentile per-packet one-way delay: 128.085 ms
Loss rate: 36.39%
-- Flow 2:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 166.968 ms
Loss rate: 80.57%
-- Flow 3:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 171.438 ms
Loss rate: 66.23%

Run 8: Report of Verus — Data Link

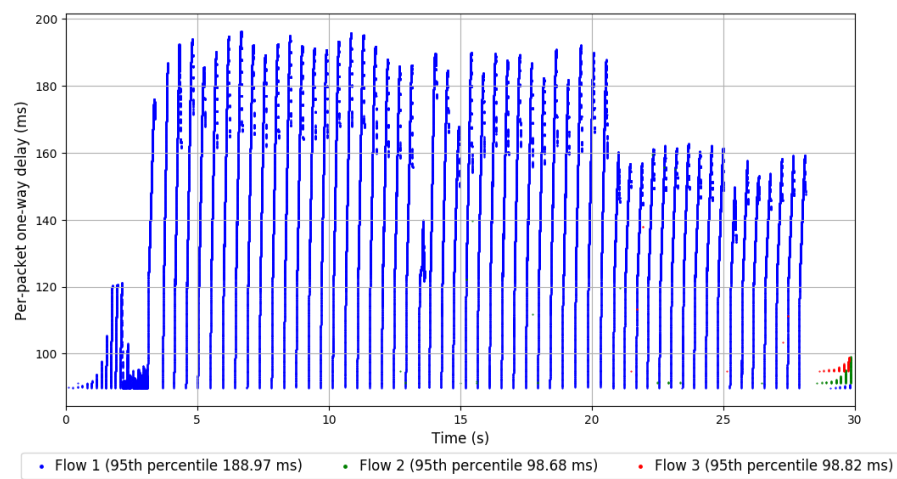
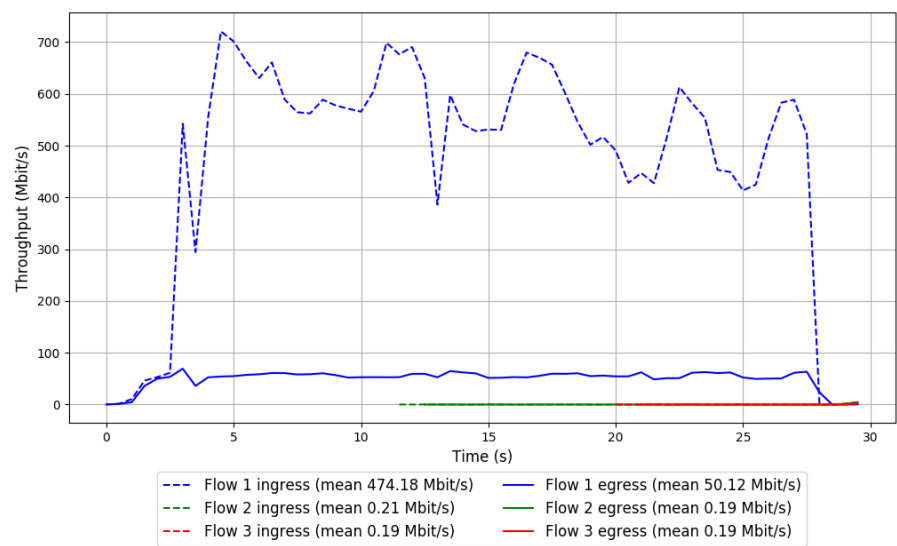


Run 9: Statistics of Verus

Start at: 2018-04-04 00:28:39
End at: 2018-04-04 00:29:09
Local clock offset: 4.291 ms
Remote clock offset: 10.471 ms

Below is generated by plot.py at 2018-04-04 01:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 188.960 ms
Loss rate: 89.40%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 188.970 ms
Loss rate: 89.43%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 98.682 ms
Loss rate: 11.91%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 98.823 ms
Loss rate: 10.53%

Run 9: Report of Verus — Data Link

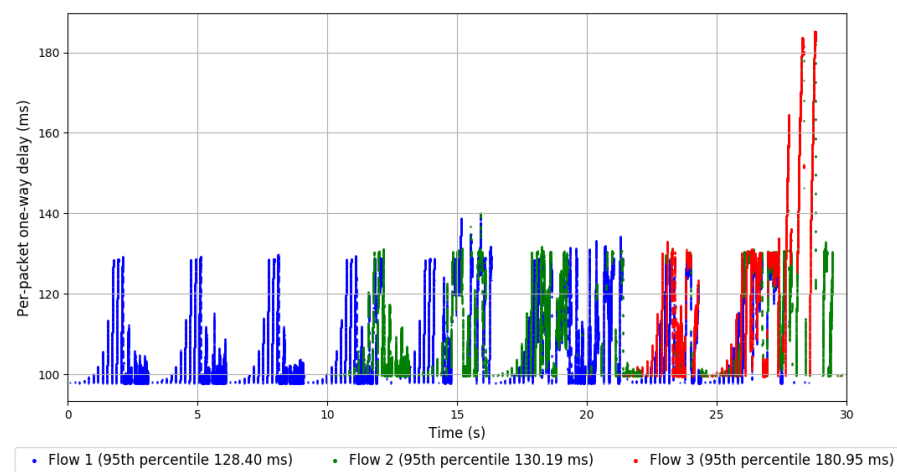
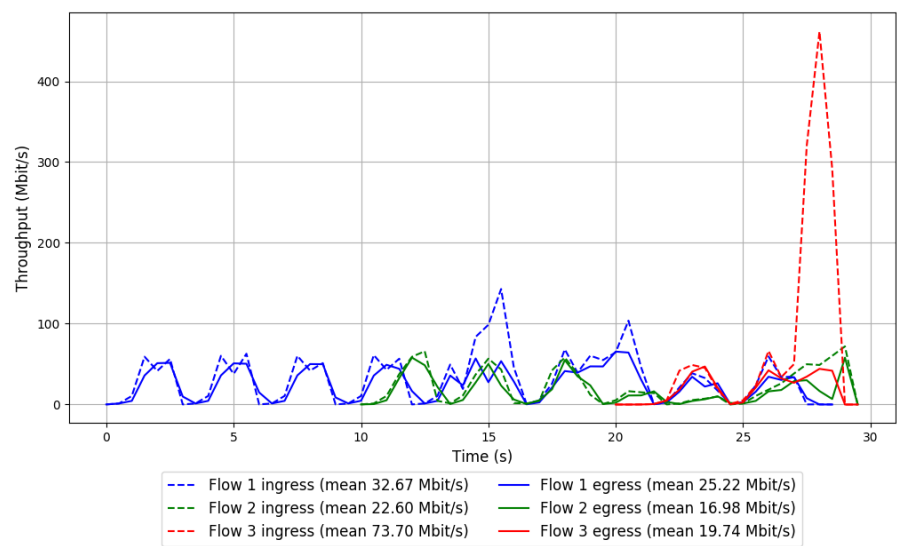


Run 10: Statistics of Verus

Start at: 2018-04-04 00:52:41
End at: 2018-04-04 00:53:11
Local clock offset: -4.682 ms
Remote clock offset: 10.658 ms

Below is generated by plot.py at 2018-04-04 01:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 132.513 ms
Loss rate: 40.53%
-- Flow 1:
Average throughput: 25.22 Mbit/s
95th percentile per-packet one-way delay: 128.401 ms
Loss rate: 23.29%
-- Flow 2:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 130.186 ms
Loss rate: 24.85%
-- Flow 3:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 180.947 ms
Loss rate: 73.22%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-03 21:21:12

End at: 2018-04-03 21:21:42

Local clock offset: -4.694 ms

Remote clock offset: 9.259 ms

Below is generated by plot.py at 2018-04-04 01:45:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 130.011 ms

Loss rate: 85.25%

-- Flow 1:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 130.011 ms

Loss rate: 85.25%

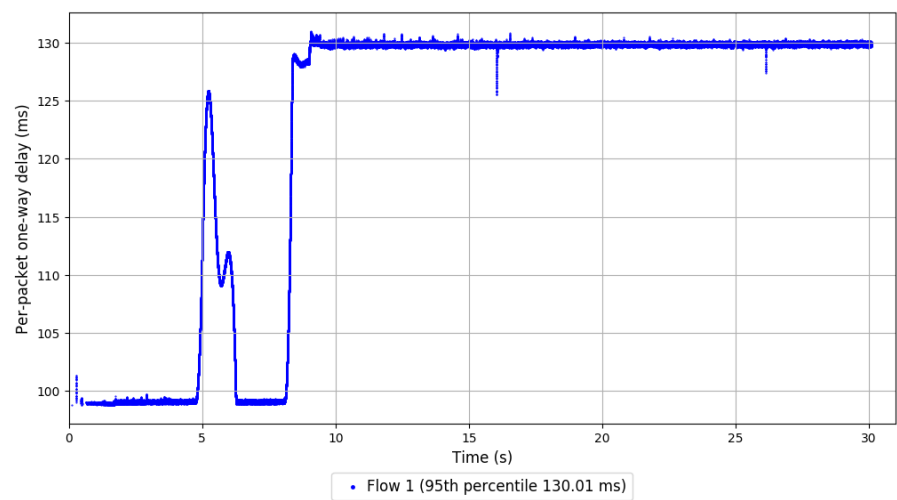
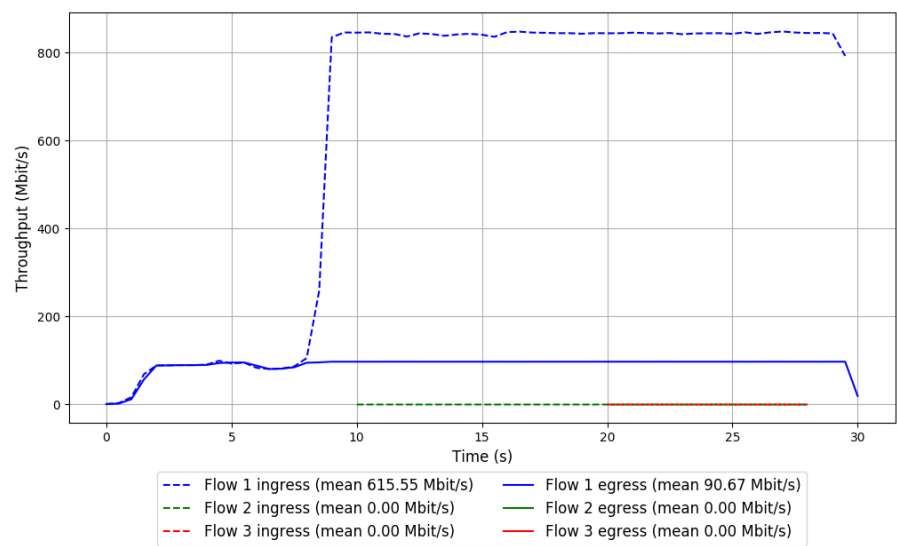
-- Flow 2:

Average throughput: 0.00 Mbit/s

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 1: Report of Copa — Data Link

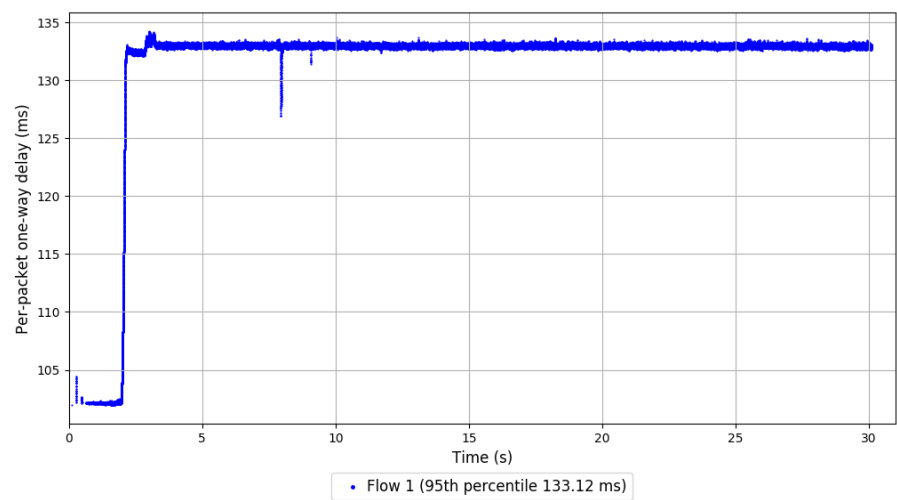
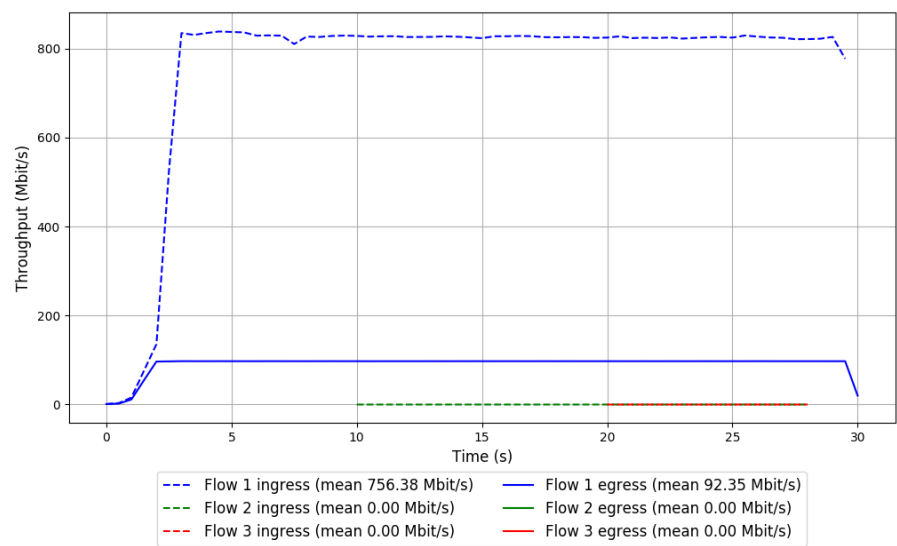


Run 2: Statistics of Copa

Start at: 2018-04-03 21:45:06
End at: 2018-04-03 21:45:36
Local clock offset: -2.662 ms
Remote clock offset: 10.988 ms

Below is generated by plot.py at 2018-04-04 01:47:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 133.116 ms
Loss rate: 87.78%
-- Flow 1:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 133.116 ms
Loss rate: 87.78%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-03 22:09:03

End at: 2018-04-03 22:09:33

Local clock offset: -7.405 ms

Remote clock offset: 5.658 ms

Below is generated by plot.py at 2018-04-04 01:48:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 126.648 ms

Loss rate: 89.48%

-- Flow 1:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 126.648 ms

Loss rate: 89.48%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 126.215 ms

Loss rate: 66.67%

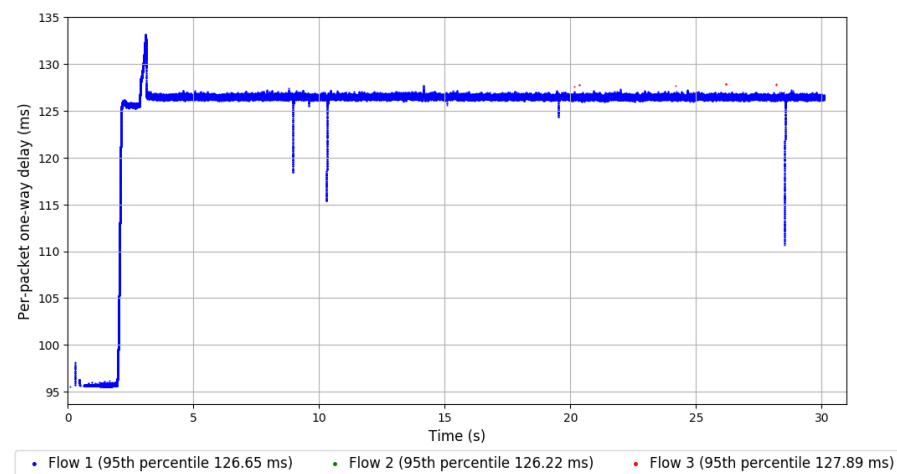
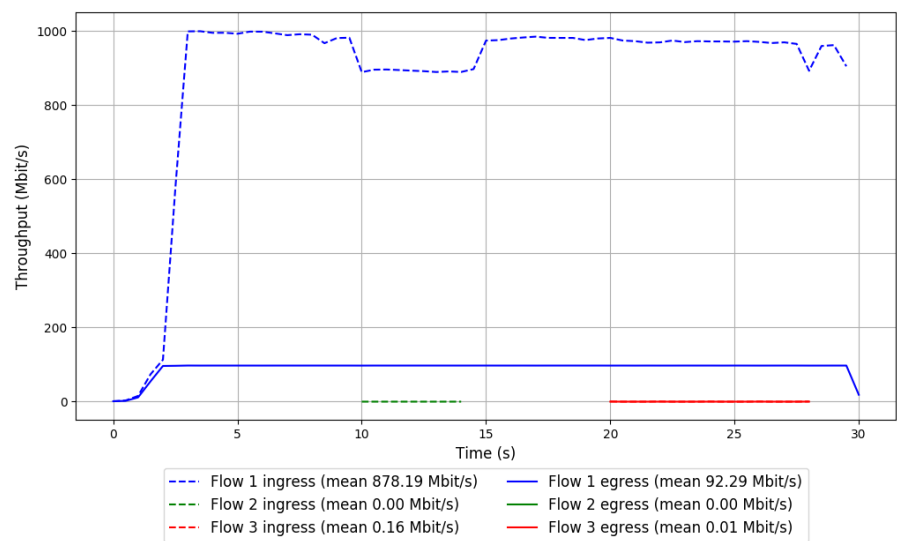
-- Flow 3:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 127.890 ms

Loss rate: 94.23%

Run 3: Report of Copa — Data Link

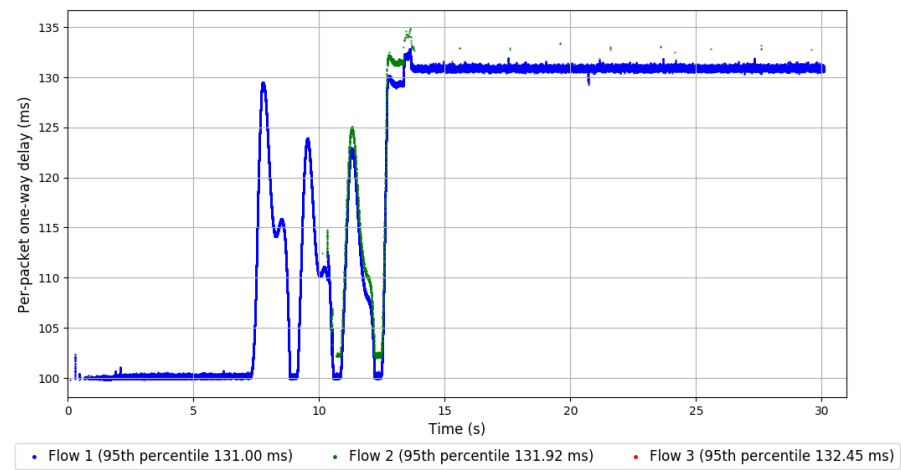
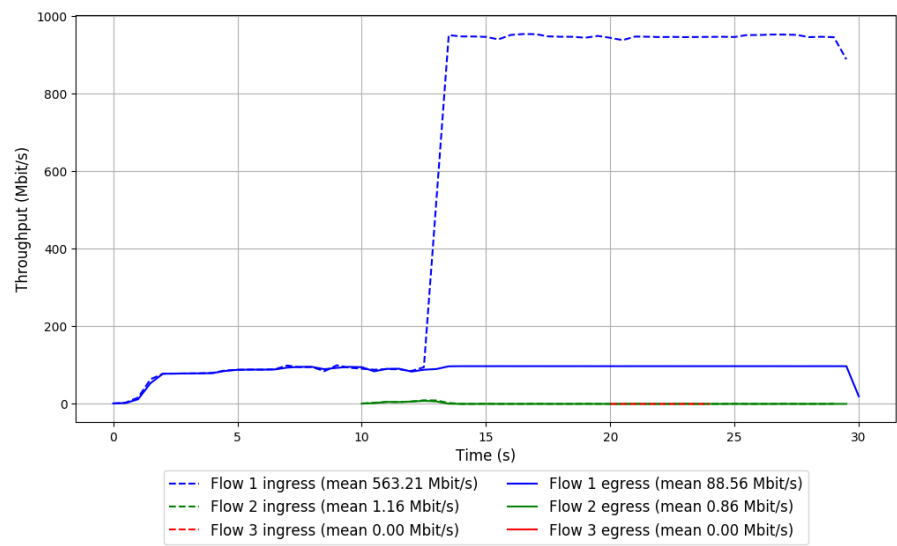


Run 4: Statistics of Copa

Start at: 2018-04-03 22:33:03
End at: 2018-04-03 22:33:33
Local clock offset: -4.001 ms
Remote clock offset: 12.054 ms

Below is generated by plot.py at 2018-04-04 01:48:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 131.005 ms
Loss rate: 84.18%
-- Flow 1:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 131.001 ms
Loss rate: 84.26%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 131.922 ms
Loss rate: 26.02%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 132.450 ms
Loss rate: 66.67%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-03 22:56:59

End at: 2018-04-03 22:57:29

Local clock offset: -3.509 ms

Remote clock offset: 5.164 ms

Below is generated by plot.py at 2018-04-04 01:48:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.05 Mbit/s

95th percentile per-packet one-way delay: 120.049 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 74.38 Mbit/s

95th percentile per-packet one-way delay: 120.320 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 121.920 ms

Loss rate: 0.12%

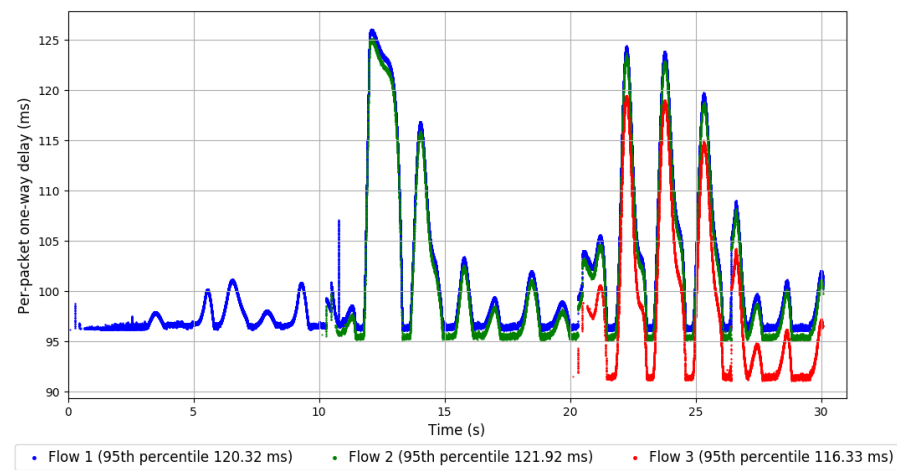
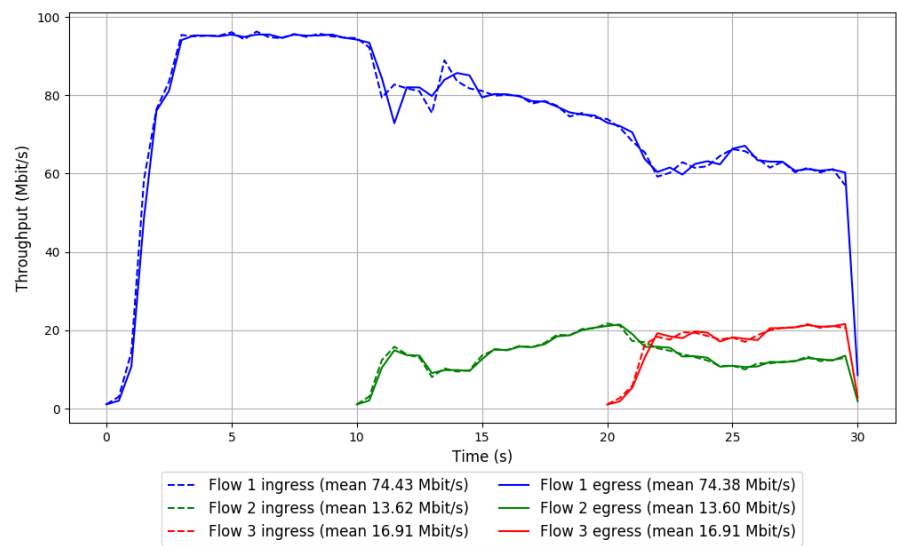
-- Flow 3:

Average throughput: 16.91 Mbit/s

95th percentile per-packet one-way delay: 116.329 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

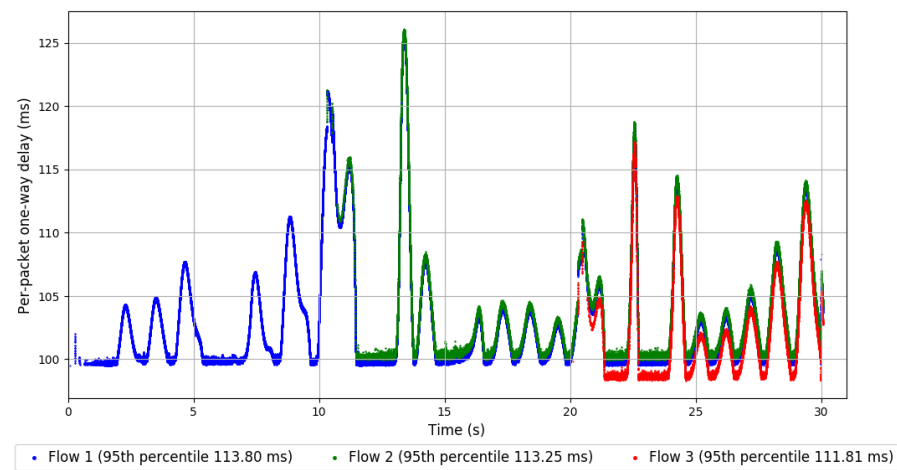
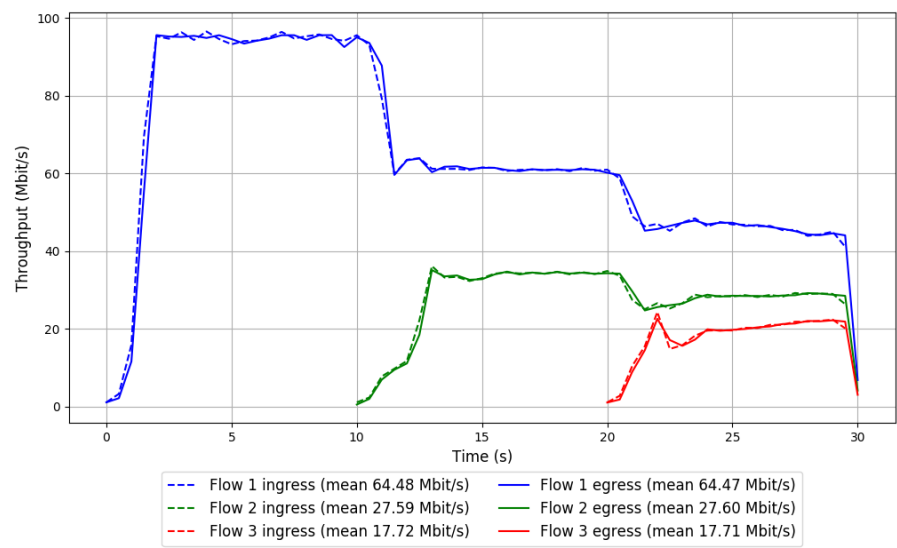


Run 6: Statistics of Copa

Start at: 2018-04-03 23:20:44
End at: 2018-04-03 23:21:14
Local clock offset: -6.866 ms
Remote clock offset: 11.387 ms

Below is generated by plot.py at 2018-04-04 01:48:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 113.494 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 113.798 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.60 Mbit/s
95th percentile per-packet one-way delay: 113.246 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 111.810 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-03 23:44:33

End at: 2018-04-03 23:45:03

Local clock offset: -7.606 ms

Remote clock offset: 5.332 ms

Below is generated by plot.py at 2018-04-04 01:48:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 126.983 ms

Loss rate: 85.18%

-- Flow 1:

Average throughput: 91.20 Mbit/s

95th percentile per-packet one-way delay: 126.977 ms

Loss rate: 85.21%

-- Flow 2:

Average throughput: 0.50 Mbit/s

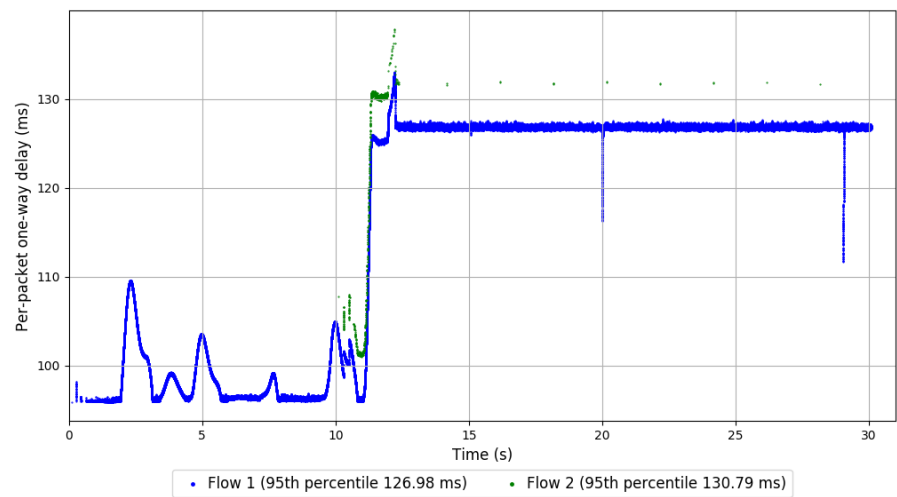
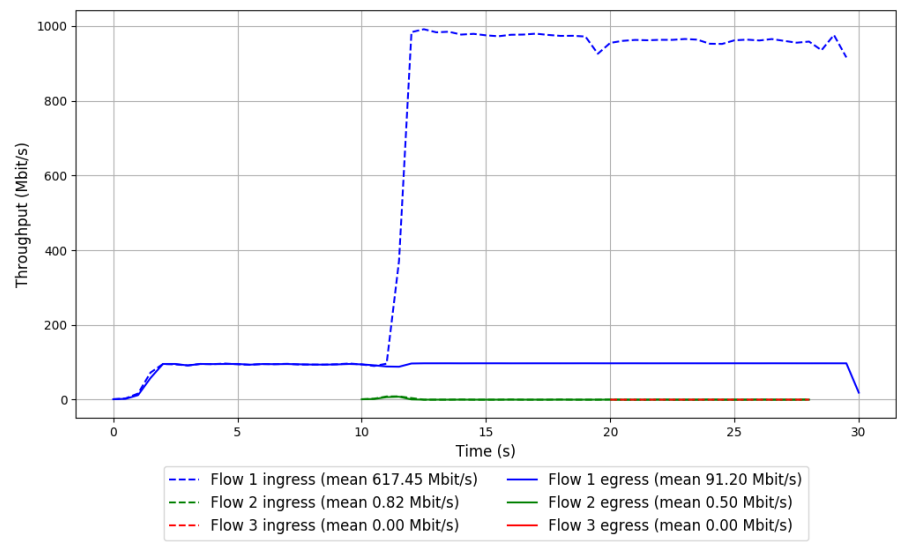
95th percentile per-packet one-way delay: 130.794 ms

Loss rate: 38.44%

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 7: Report of Copa — Data Link

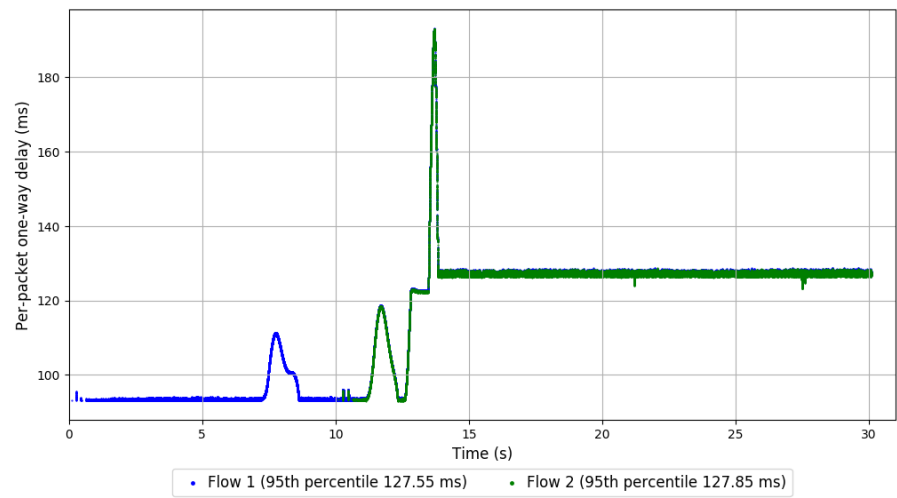
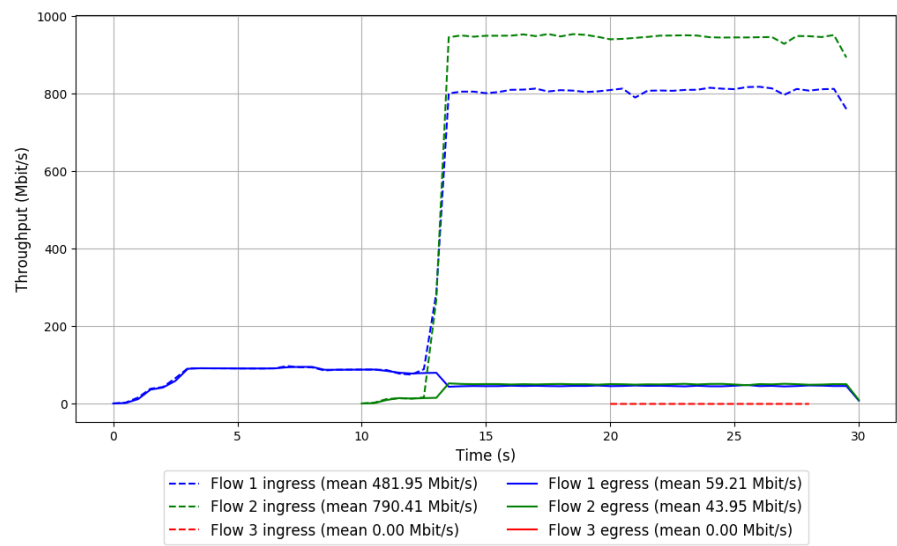


Run 8: Statistics of Copa

Start at: 2018-04-04 00:08:34
End at: 2018-04-04 00:09:04
Local clock offset: -0.678 ms
Remote clock offset: 9.6 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.49 Mbit/s
95th percentile per-packet one-way delay: 127.680 ms
Loss rate: 91.21%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 127.545 ms
Loss rate: 87.70%
-- Flow 2:
Average throughput: 43.95 Mbit/s
95th percentile per-packet one-way delay: 127.846 ms
Loss rate: 94.43%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 8: Report of Copa — Data Link

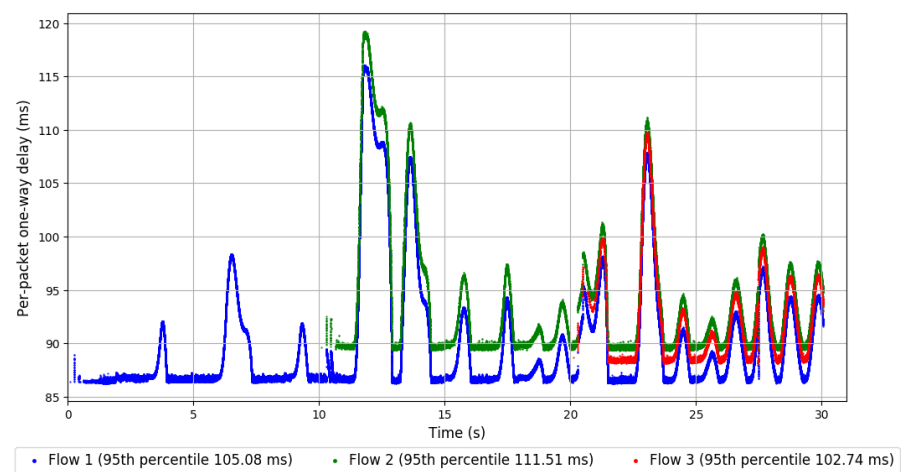
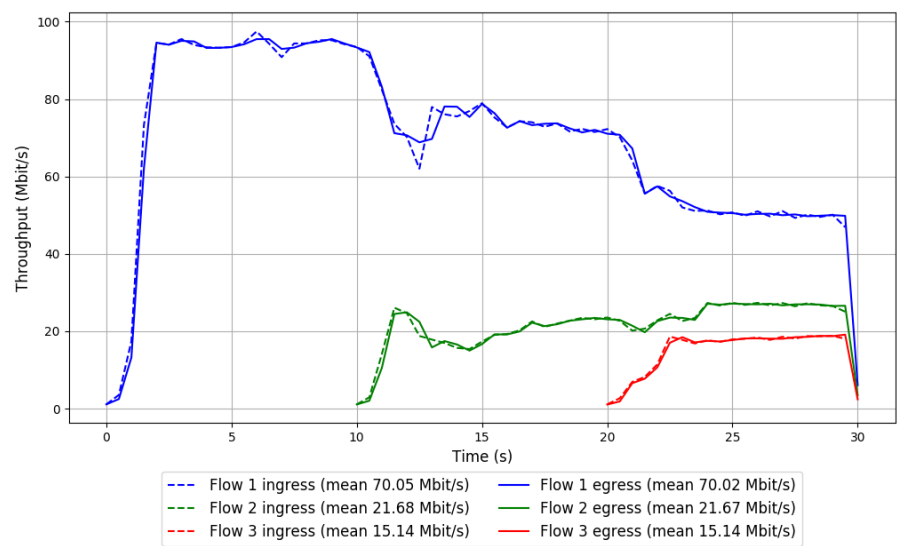


Run 9: Statistics of Copa

Start at: 2018-04-04 00:32:54
End at: 2018-04-04 00:33:24
Local clock offset: 5.116 ms
Remote clock offset: 10.402 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 106.543 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 105.076 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 111.510 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 102.741 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-04 00:56:43

End at: 2018-04-04 00:57:13

Local clock offset: -2.55 ms

Remote clock offset: 5.975 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 117.046 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 115.975 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 15.16 Mbit/s

95th percentile per-packet one-way delay: 120.347 ms

Loss rate: 0.12%

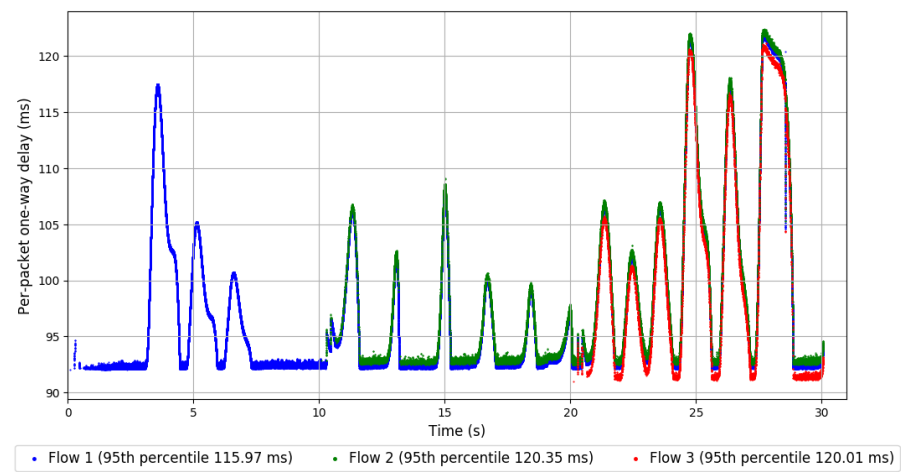
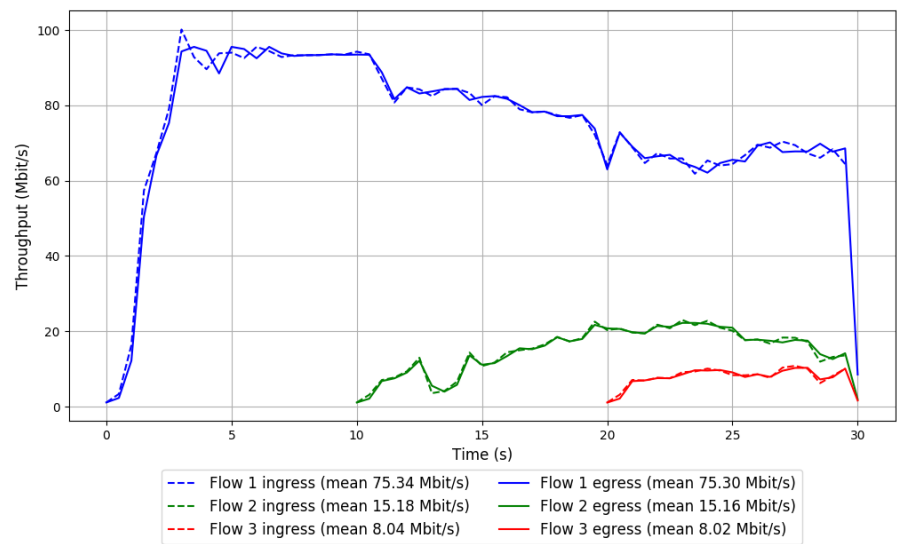
-- Flow 3:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 120.010 ms

Loss rate: 0.31%

Run 10: Report of Copa — Data Link

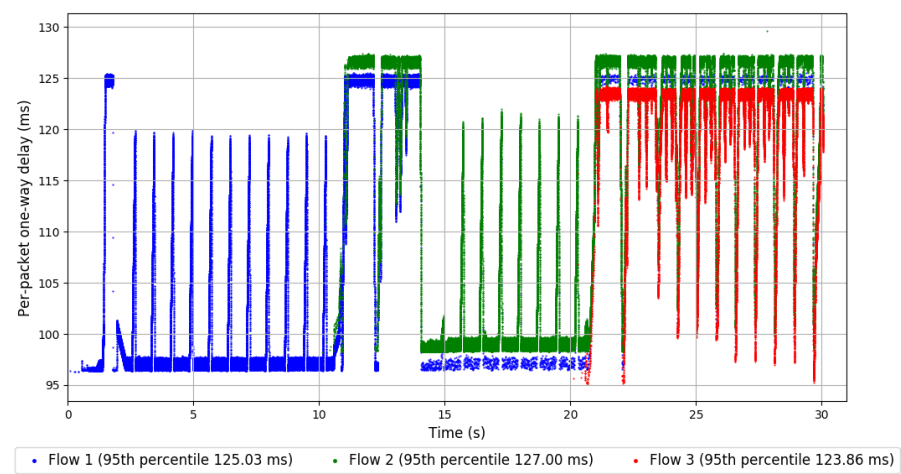
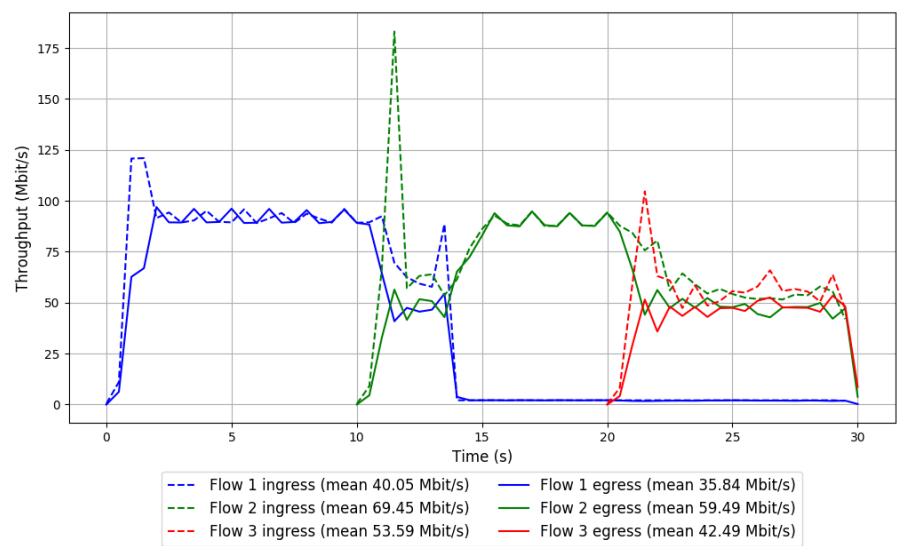


```
Run 1: Statistics of FillP

Start at: 2018-04-03 21:19:02
End at: 2018-04-03 21:19:32
Local clock offset: -5.169 ms
Remote clock offset: 5.51 ms

# Below is generated by plot.py at 2018-04-04 01:51:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 126.875 ms
Loss rate: 13.85%
-- Flow 1:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 125.029 ms
Loss rate: 10.42%
-- Flow 2:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 127.002 ms
Loss rate: 14.26%
-- Flow 3:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 123.864 ms
Loss rate: 20.54%
```


Run 1: Report of FillP — Data Link

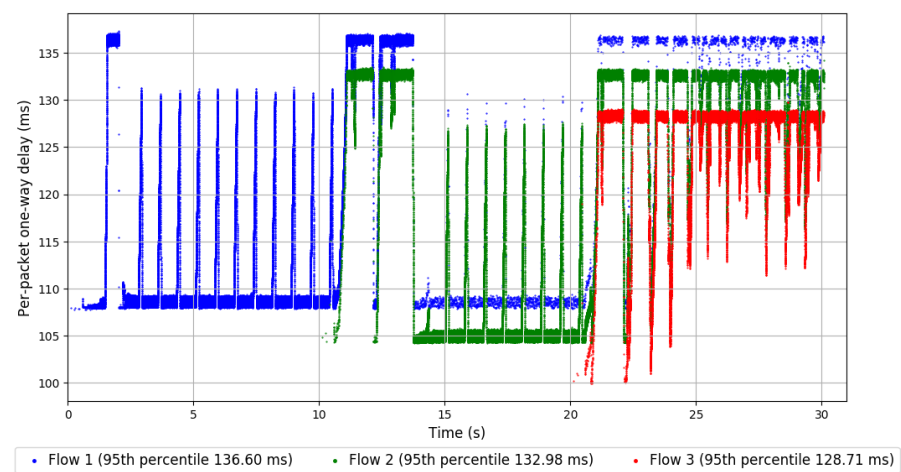
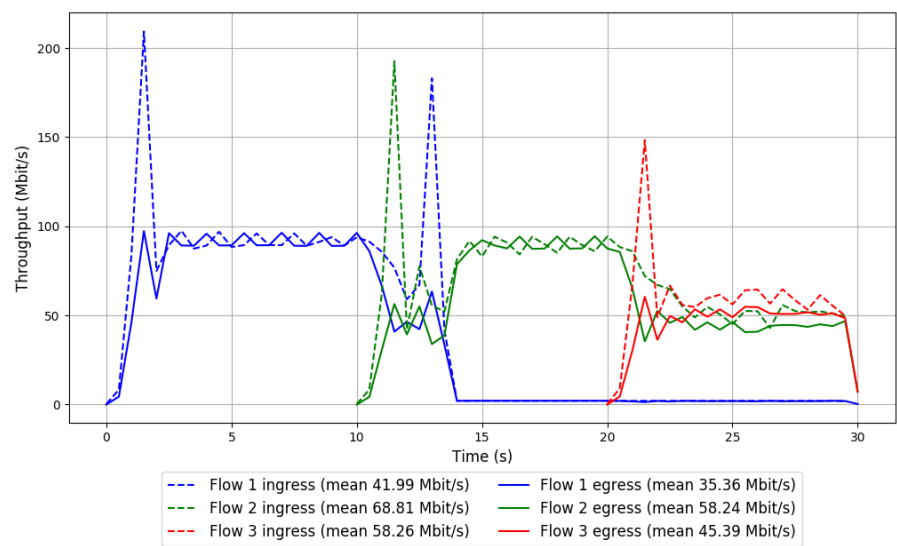


Run 2: Statistics of FillP

Start at: 2018-04-03 21:43:46
End at: 2018-04-03 21:44:16
Local clock offset: -2.66 ms
Remote clock offset: 10.757 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 136.187 ms
Loss rate: 16.62%
-- Flow 1:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 136.604 ms
Loss rate: 15.73%
-- Flow 2:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 132.983 ms
Loss rate: 15.23%
-- Flow 3:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 128.707 ms
Loss rate: 21.86%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-03 22:07:44

End at: 2018-04-03 22:08:14

Local clock offset: -7.278 ms

Remote clock offset: 4.734 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.24 Mbit/s

95th percentile per-packet one-way delay: 127.852 ms

Loss rate: 16.36%

-- Flow 1:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 128.243 ms

Loss rate: 12.54%

-- Flow 2:

Average throughput: 45.79 Mbit/s

95th percentile per-packet one-way delay: 121.563 ms

Loss rate: 19.86%

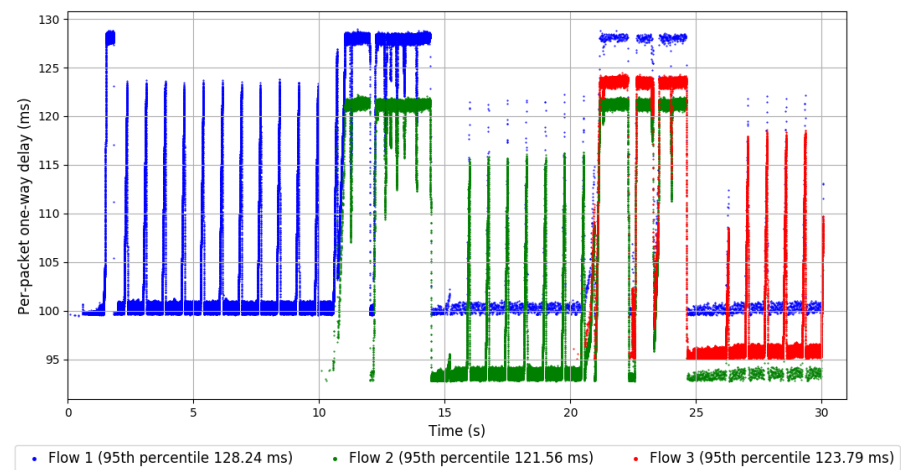
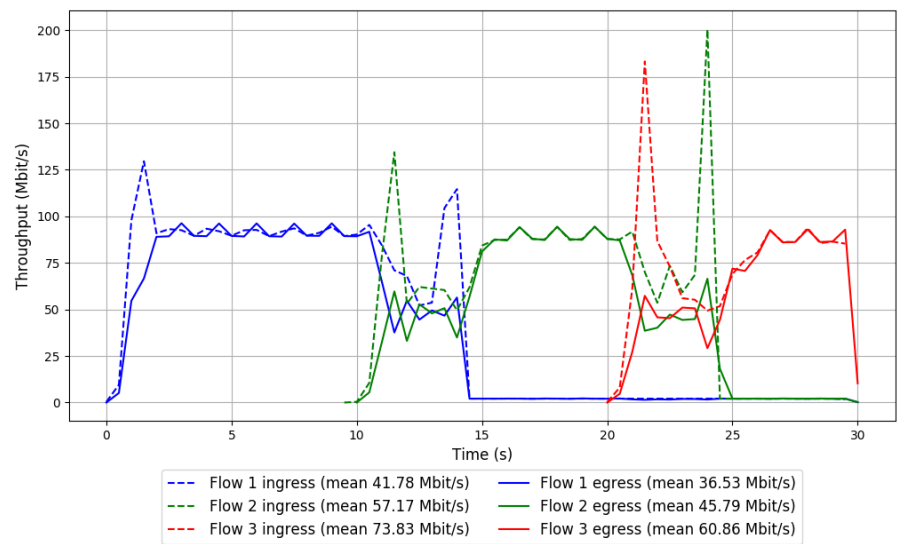
-- Flow 3:

Average throughput: 60.86 Mbit/s

95th percentile per-packet one-way delay: 123.794 ms

Loss rate: 17.45%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-03 22:31:43

End at: 2018-04-03 22:32:13

Local clock offset: -4.25 ms

Remote clock offset: 5.769 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.48 Mbit/s

95th percentile per-packet one-way delay: 129.747 ms

Loss rate: 16.81%

-- Flow 1:

Average throughput: 36.24 Mbit/s

95th percentile per-packet one-way delay: 129.783 ms

Loss rate: 13.41%

-- Flow 2:

Average throughput: 58.13 Mbit/s

95th percentile per-packet one-way delay: 129.761 ms

Loss rate: 16.78%

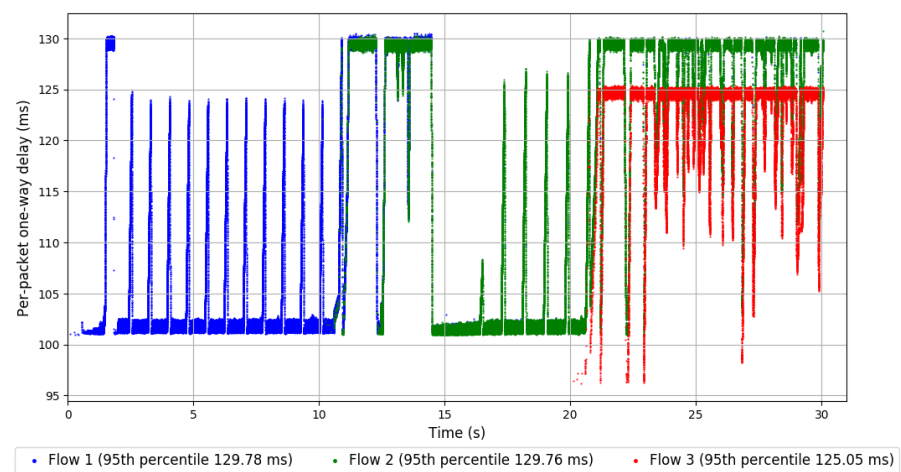
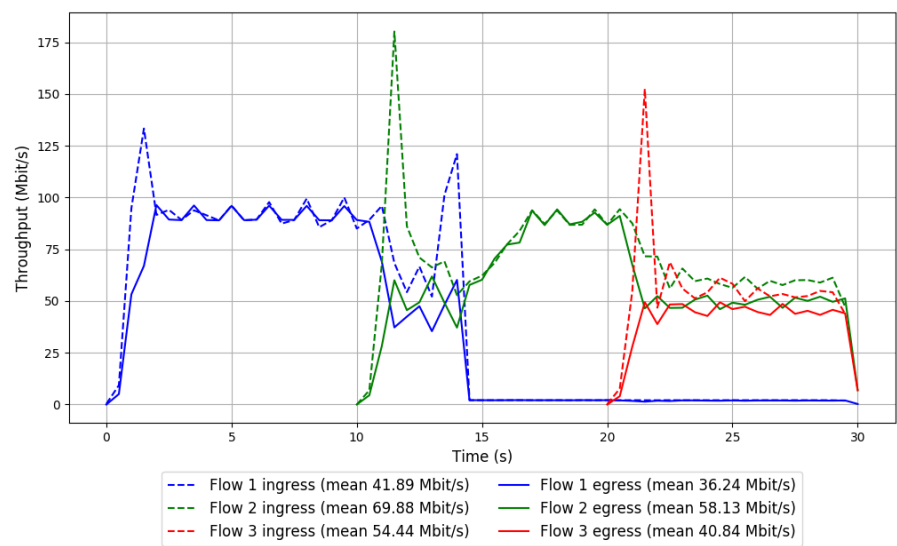
-- Flow 3:

Average throughput: 40.84 Mbit/s

95th percentile per-packet one-way delay: 125.049 ms

Loss rate: 24.76%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-03 22:55:39

End at: 2018-04-03 22:56:09

Local clock offset: -2.976 ms

Remote clock offset: 10.45 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 129.973 ms

Loss rate: 18.45%

-- Flow 1:

Average throughput: 52.23 Mbit/s

95th percentile per-packet one-way delay: 128.908 ms

Loss rate: 14.42%

-- Flow 2:

Average throughput: 27.80 Mbit/s

95th percentile per-packet one-way delay: 130.172 ms

Loss rate: 26.01%

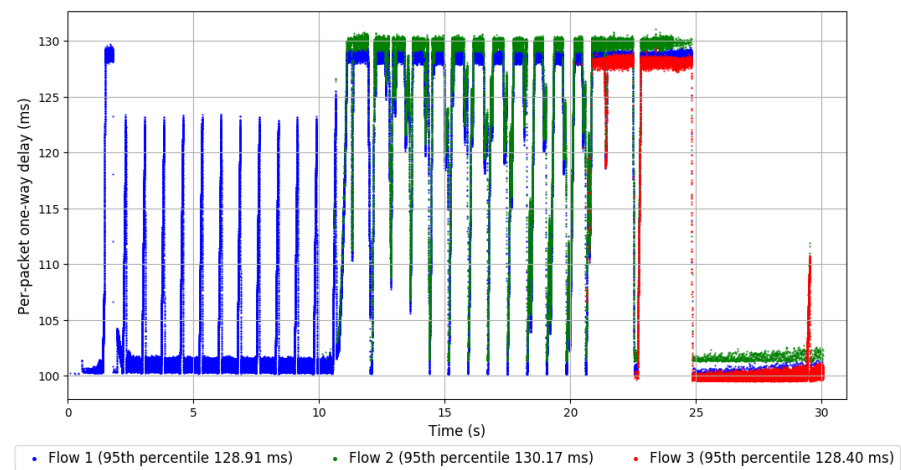
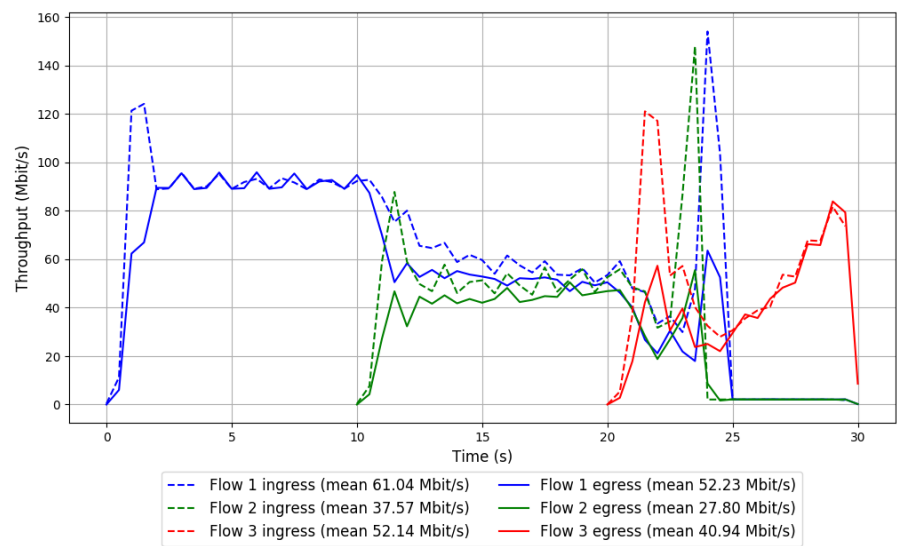
-- Flow 3:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 128.397 ms

Loss rate: 21.70%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-03 23:19:24

End at: 2018-04-03 23:19:54

Local clock offset: -6.791 ms

Remote clock offset: 12.25 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.21 Mbit/s

95th percentile per-packet one-way delay: 130.142 ms

Loss rate: 15.24%

-- Flow 1:

Average throughput: 52.84 Mbit/s

95th percentile per-packet one-way delay: 130.233 ms

Loss rate: 9.92%

-- Flow 2:

Average throughput: 41.42 Mbit/s

95th percentile per-packet one-way delay: 127.394 ms

Loss rate: 20.78%

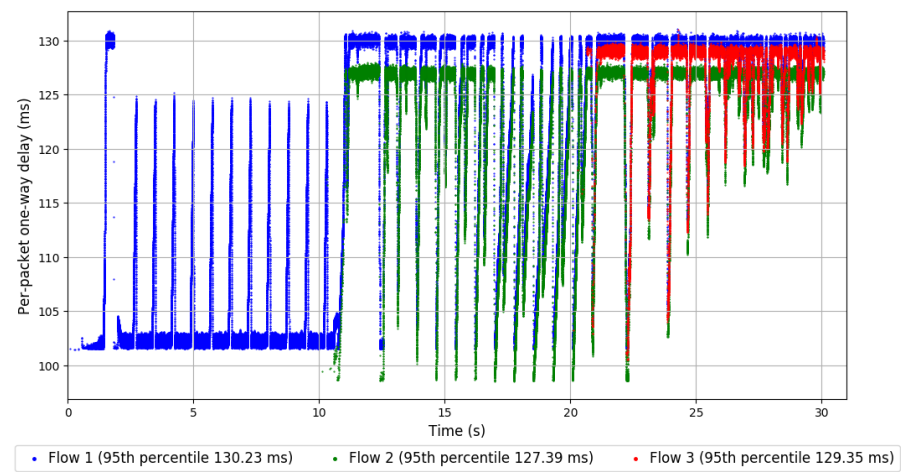
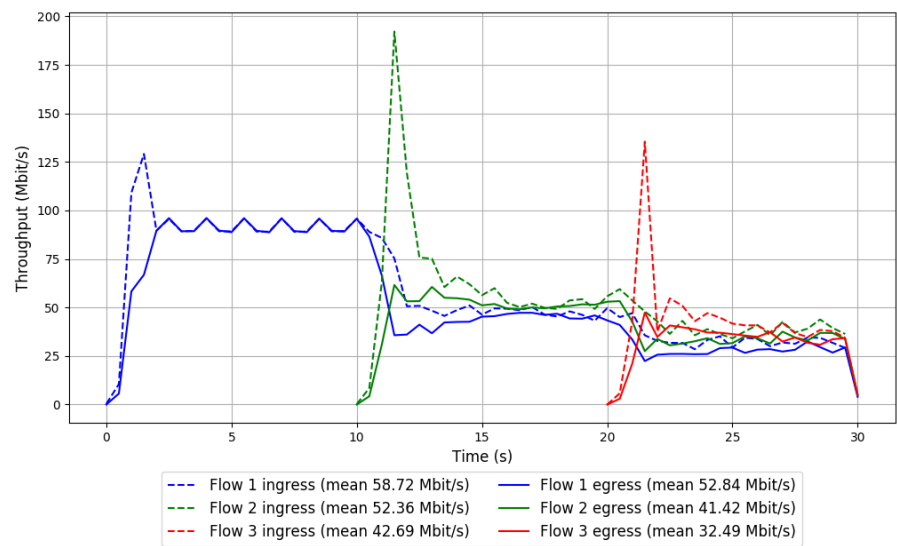
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 129.348 ms

Loss rate: 23.70%

Run 6: Report of FillP — Data Link

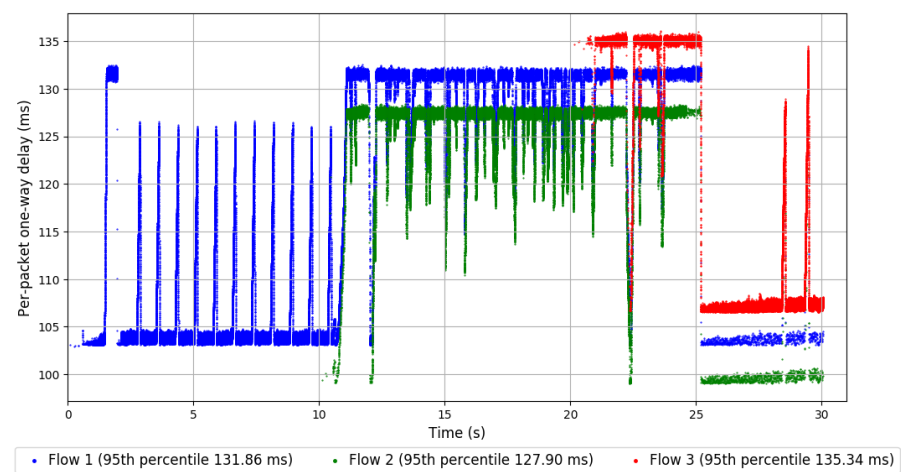
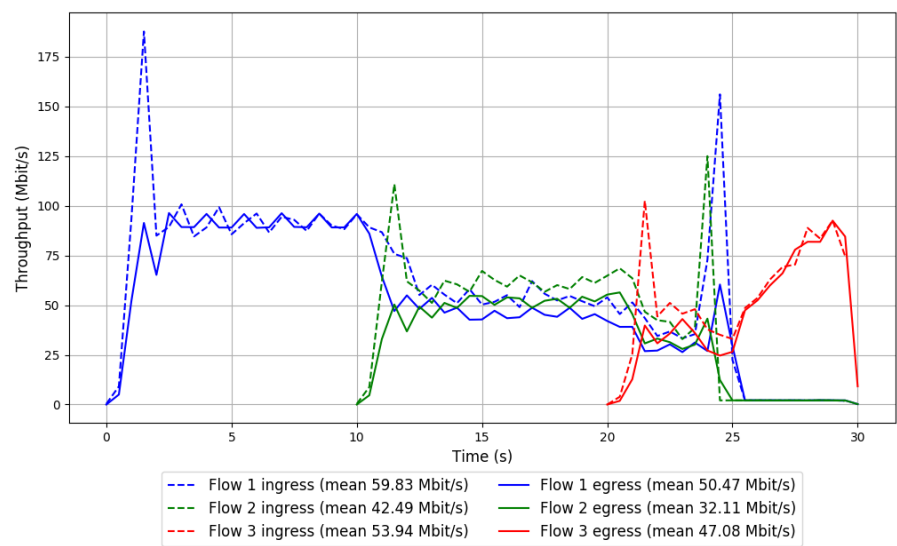


Run 7: Statistics of FillP

Start at: 2018-04-03 23:43:13
End at: 2018-04-03 23:43:43
Local clock offset: -6.102 ms
Remote clock offset: 11.772 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 132.010 ms
Loss rate: 17.54%
-- Flow 1:
Average throughput: 50.47 Mbit/s
95th percentile per-packet one-way delay: 131.856 ms
Loss rate: 15.64%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 127.899 ms
Loss rate: 24.44%
-- Flow 3:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 135.345 ms
Loss rate: 12.99%

Run 7: Report of FillP — Data Link

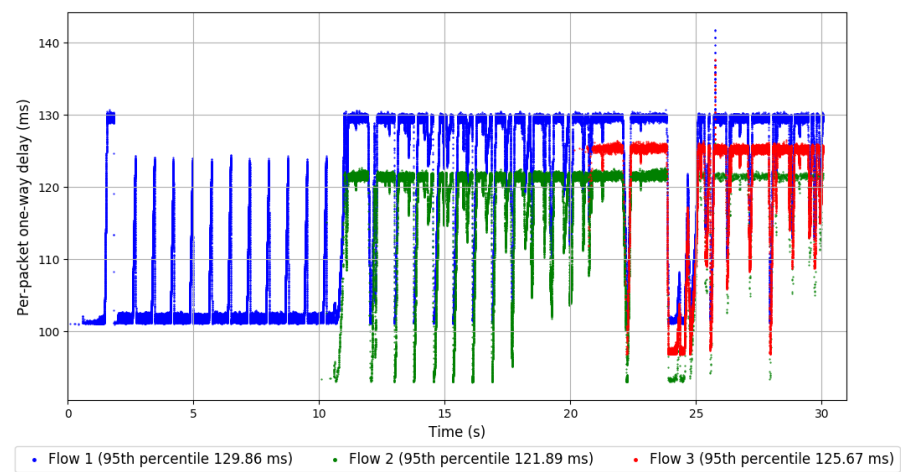
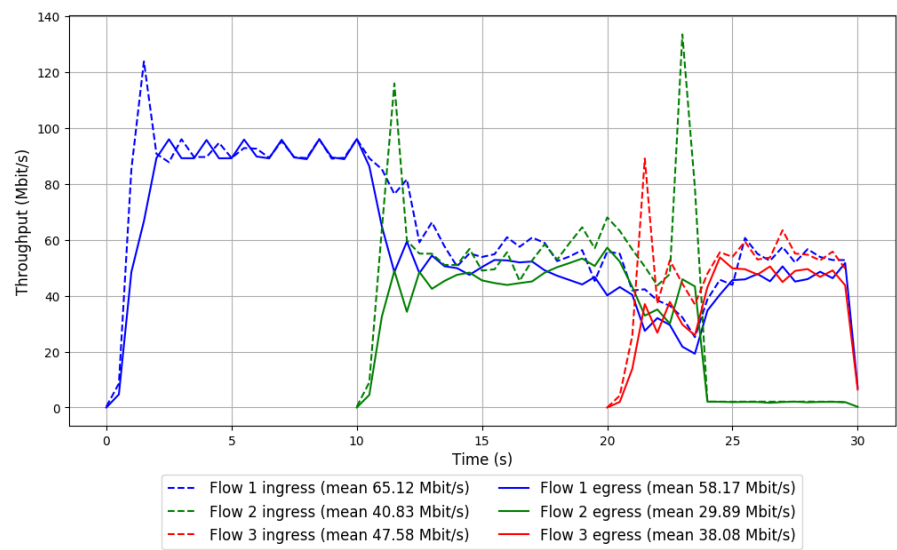


Run 8: Statistics of FillP

Start at: 2018-04-04 00:07:14
End at: 2018-04-04 00:07:44
Local clock offset: -2.051 ms
Remote clock offset: 10.455 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 129.802 ms
Loss rate: 16.01%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 129.858 ms
Loss rate: 10.60%
-- Flow 2:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 121.891 ms
Loss rate: 26.70%
-- Flow 3:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 125.673 ms
Loss rate: 19.96%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-04 00:31:34

End at: 2018-04-04 00:32:04

Local clock offset: 5.642 ms

Remote clock offset: 5.675 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 111.847 ms

Loss rate: 16.74%

-- Flow 1:

Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 111.875 ms

Loss rate: 11.32%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 109.878 ms

Loss rate: 22.41%

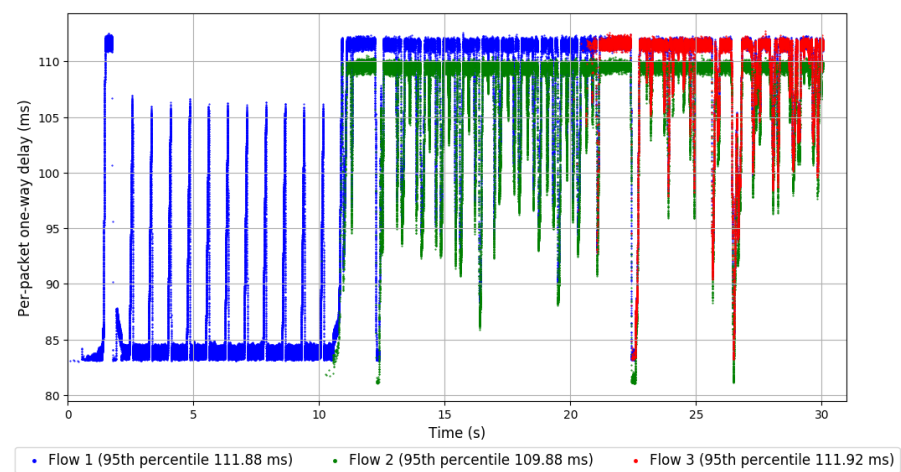
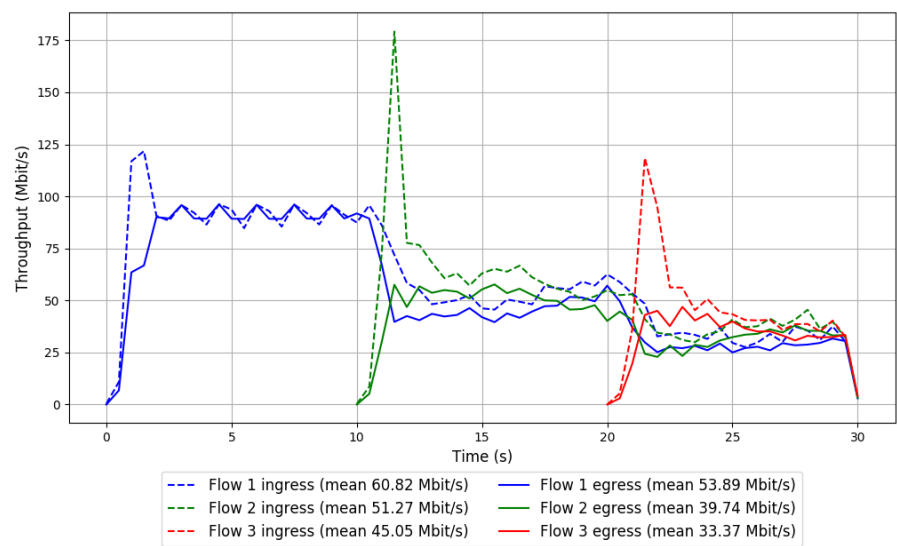
-- Flow 3:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 111.919 ms

Loss rate: 25.90%

Run 9: Report of FillP — Data Link

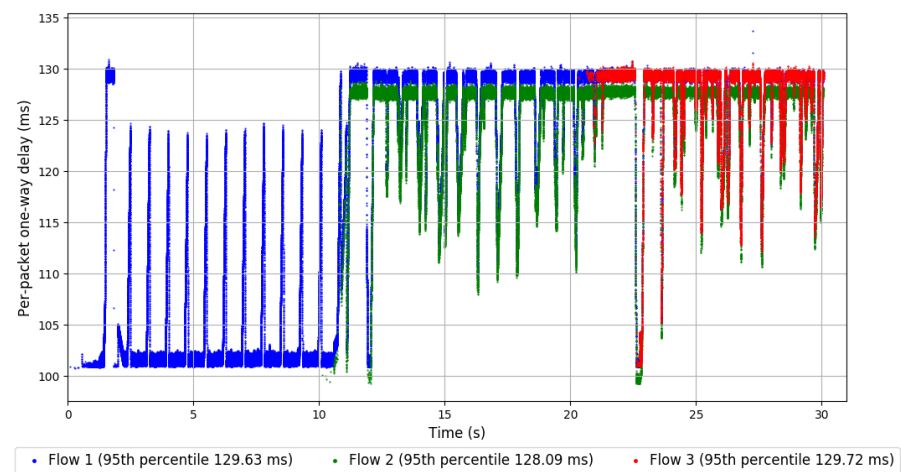
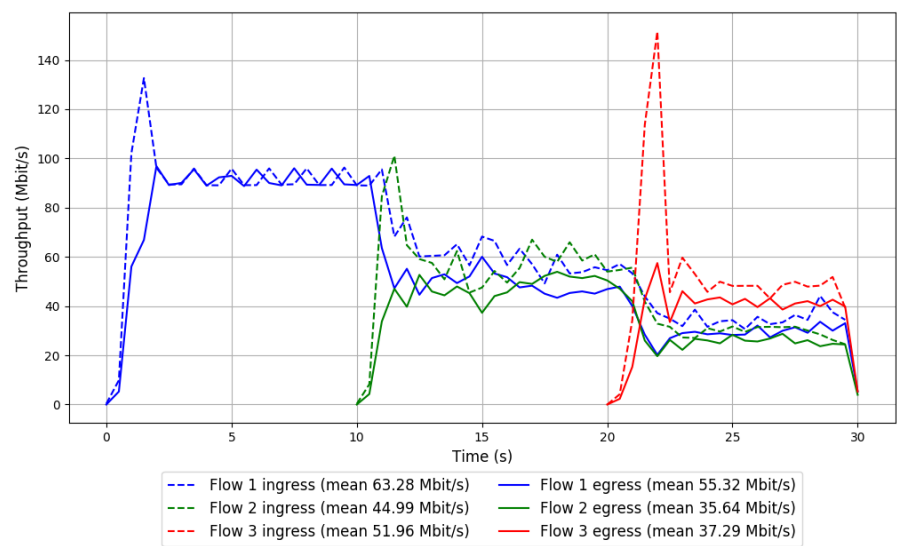


Run 10: Statistics of FillP

Start at: 2018-04-04 00:55:23
End at: 2018-04-04 00:55:53
Local clock offset: -3.978 ms
Remote clock offset: 10.689 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 129.634 ms
Loss rate: 17.15%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 129.635 ms
Loss rate: 12.48%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 128.090 ms
Loss rate: 20.68%
-- Flow 3:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 129.725 ms
Loss rate: 28.19%

Run 10: Report of FillP — Data Link

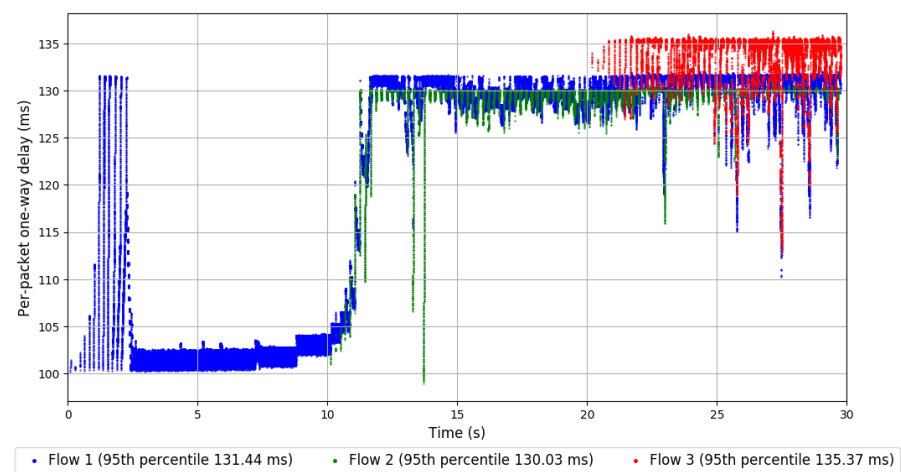
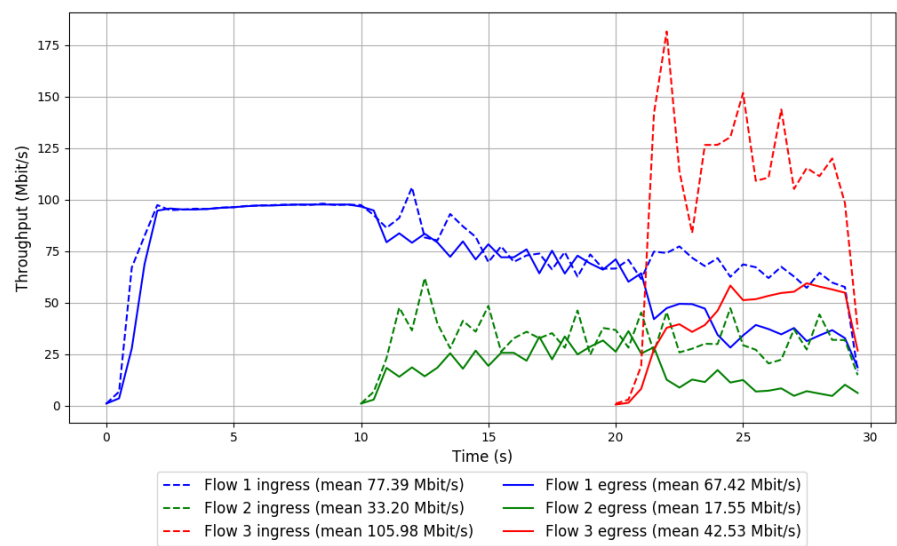


Run 1: Statistics of Indigo-1-32

Start at: 2018-04-03 21:17:39
End at: 2018-04-03 21:18:09
Local clock offset: -5.551 ms
Remote clock offset: 11.418 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 135.216 ms
Loss rate: 30.48%
-- Flow 1:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 131.437 ms
Loss rate: 12.80%
-- Flow 2:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 130.034 ms
Loss rate: 47.07%
-- Flow 3:
Average throughput: 42.53 Mbit/s
95th percentile per-packet one-way delay: 135.371 ms
Loss rate: 59.87%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-03 21:42:23

End at: 2018-04-03 21:42:53

Local clock offset: -2.817 ms

Remote clock offset: 3.686 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.74 Mbit/s

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

Loss rate: 31.04%

-- Flow 1:

Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 126.004 ms

Loss rate: 15.20%

-- Flow 2:

Average throughput: 20.02 Mbit/s

95th percentile per-packet one-way delay: 125.947 ms

Loss rate: 45.84%

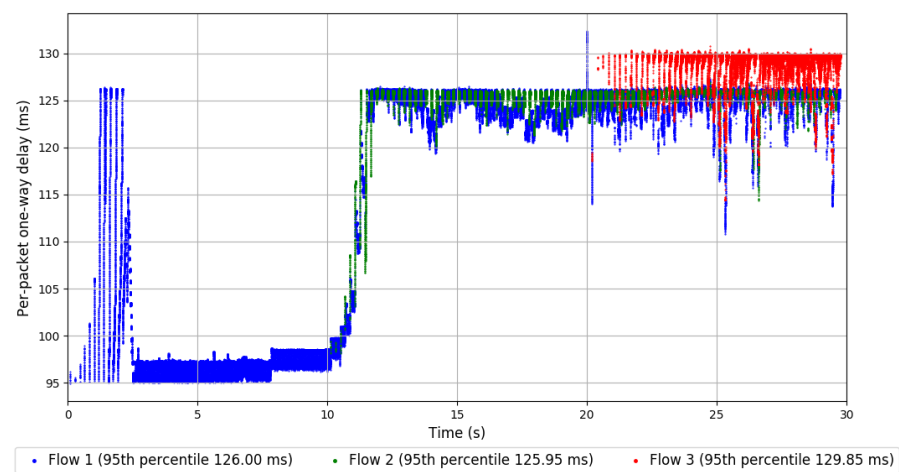
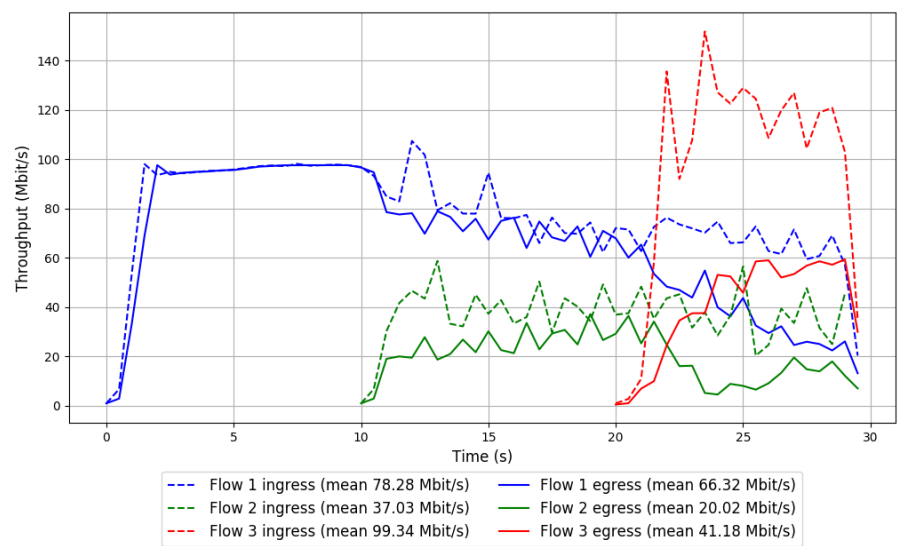
-- Flow 3:

Average throughput: 41.18 Mbit/s

95th percentile per-packet one-way delay: 129.853 ms

Loss rate: 58.51%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-03 22:06:22

End at: 2018-04-03 22:06:52

Local clock offset: -7.148 ms

Remote clock offset: 4.778 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 126.076 ms

Loss rate: 39.39%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 125.532 ms

Loss rate: 26.00%

-- Flow 2:

Average throughput: 35.50 Mbit/s

95th percentile per-packet one-way delay: 126.247 ms

Loss rate: 28.52%

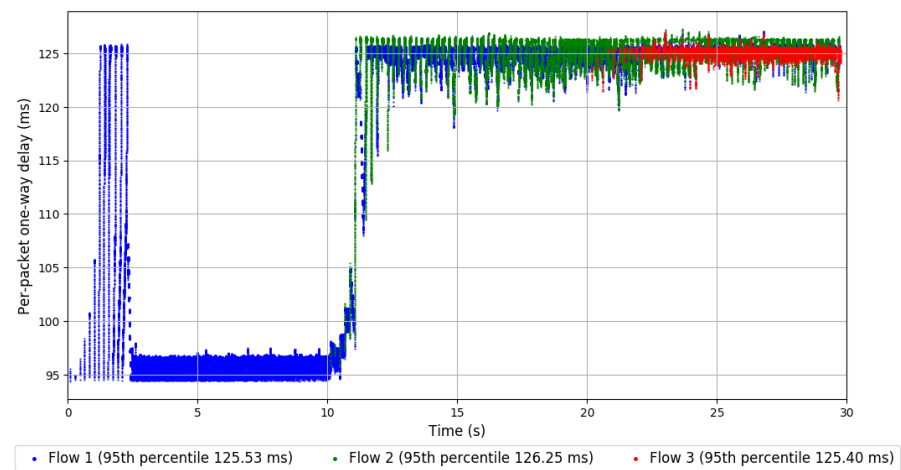
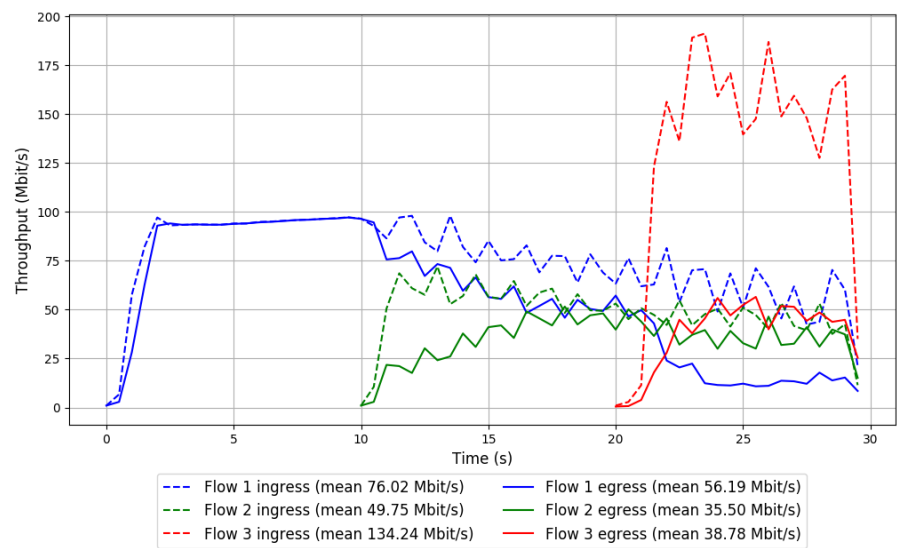
-- Flow 3:

Average throughput: 38.78 Mbit/s

95th percentile per-packet one-way delay: 125.401 ms

Loss rate: 71.11%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-03 22:30:20

End at: 2018-04-03 22:30:50

Local clock offset: -4.468 ms

Remote clock offset: 5.726 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.94 Mbit/s

95th percentile per-packet one-way delay: 132.388 ms

Loss rate: 35.58%

-- Flow 1:

Average throughput: 61.47 Mbit/s

95th percentile per-packet one-way delay: 126.590 ms

Loss rate: 20.90%

-- Flow 2:

Average throughput: 31.17 Mbit/s

95th percentile per-packet one-way delay: 128.000 ms

Loss rate: 39.07%

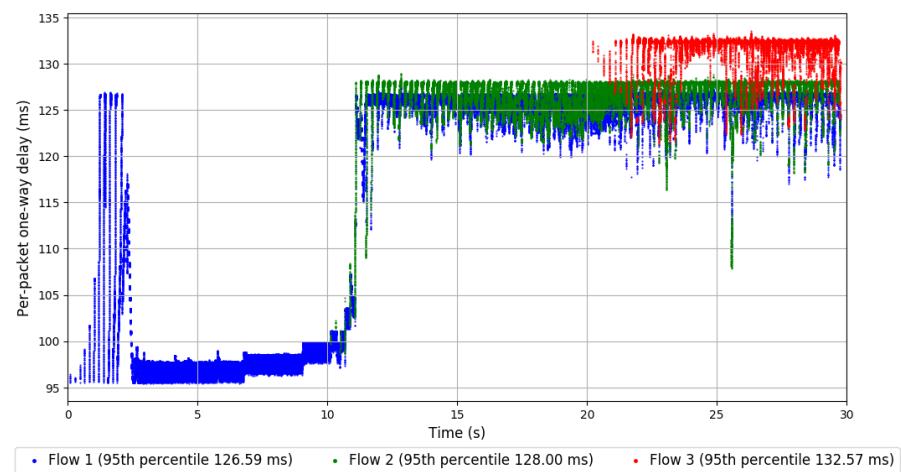
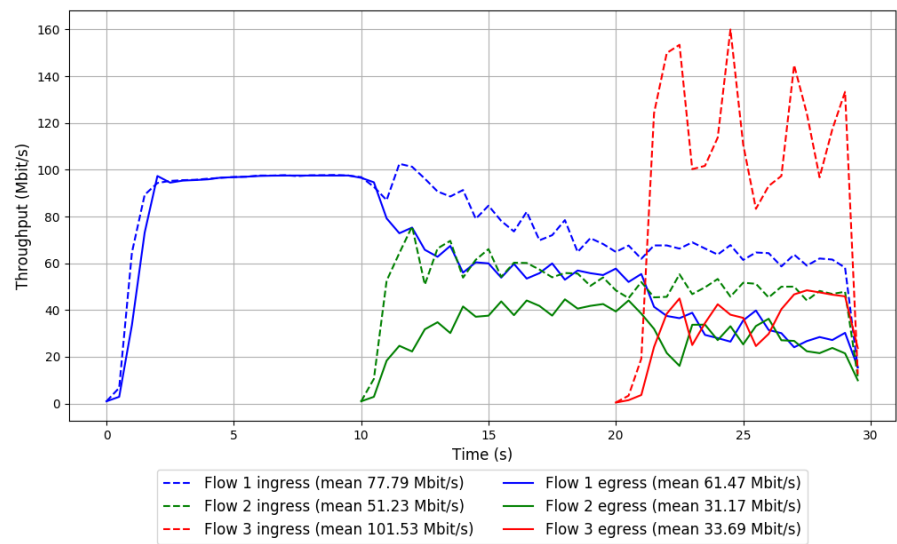
-- Flow 3:

Average throughput: 33.69 Mbit/s

95th percentile per-packet one-way delay: 132.570 ms

Loss rate: 66.84%

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

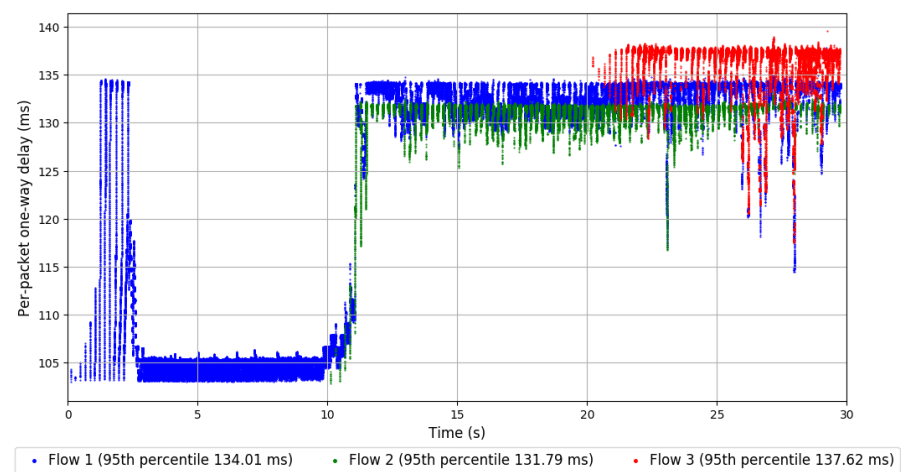
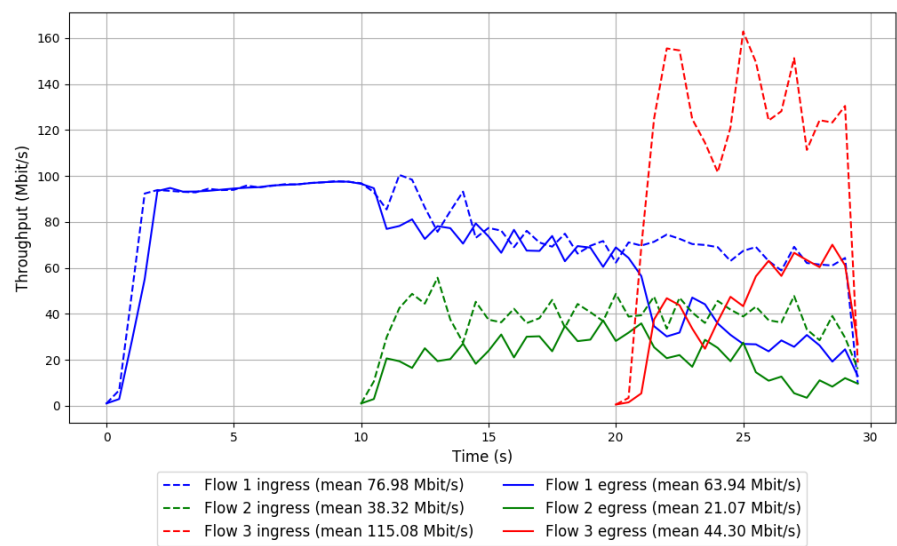


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-03 22:54:17
End at: 2018-04-03 22:54:47
Local clock offset: -2.413 ms
Remote clock offset: 11.335 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 137.426 ms
Loss rate: 33.82%
-- Flow 1:
Average throughput: 63.94 Mbit/s
95th percentile per-packet one-way delay: 134.010 ms
Loss rate: 16.85%
-- Flow 2:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 131.790 ms
Loss rate: 44.93%
-- Flow 3:
Average throughput: 44.30 Mbit/s
95th percentile per-packet one-way delay: 137.617 ms
Loss rate: 61.50%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-03 23:18:02

End at: 2018-04-03 23:18:32

Local clock offset: -6.629 ms

Remote clock offset: 5.905 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 123.532 ms

Loss rate: 32.97%

-- Flow 1:

Average throughput: 63.06 Mbit/s

95th percentile per-packet one-way delay: 123.548 ms

Loss rate: 15.74%

-- Flow 2:

Average throughput: 26.47 Mbit/s

95th percentile per-packet one-way delay: 122.313 ms

Loss rate: 30.91%

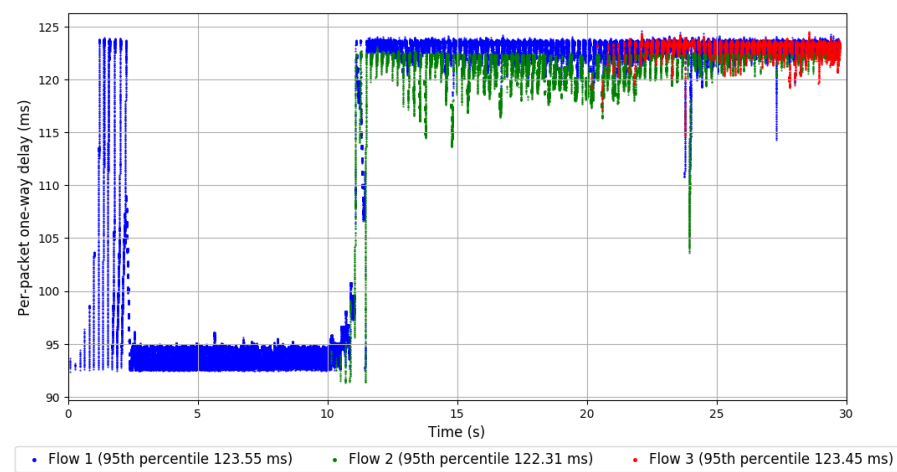
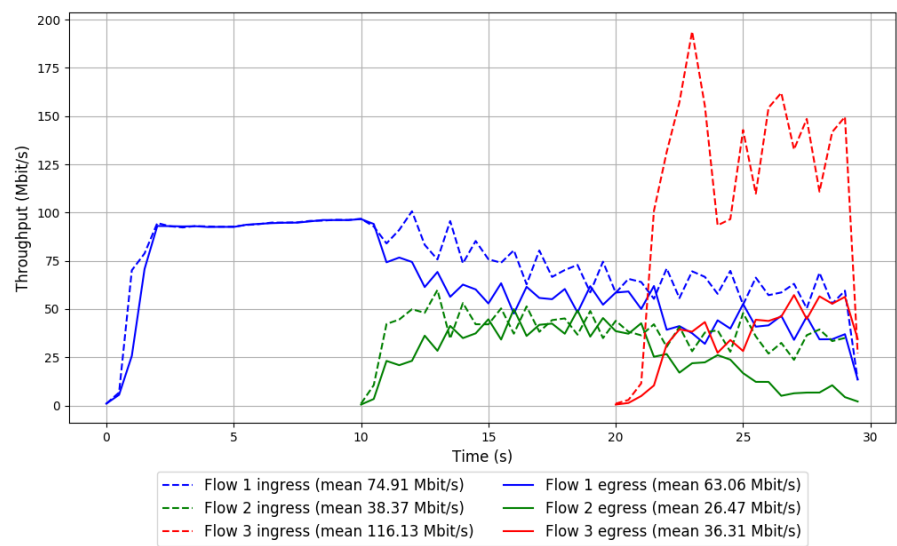
-- Flow 3:

Average throughput: 36.31 Mbit/s

95th percentile per-packet one-way delay: 123.455 ms

Loss rate: 68.72%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-03 23:41:50

End at: 2018-04-03 23:42:20

Local clock offset: -7.454 ms

Remote clock offset: 9.843 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 136.592 ms

Loss rate: 37.22%

-- Flow 1:

Average throughput: 67.01 Mbit/s

95th percentile per-packet one-way delay: 136.629 ms

Loss rate: 16.35%

-- Flow 2:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 128.975 ms

Loss rate: 49.88%

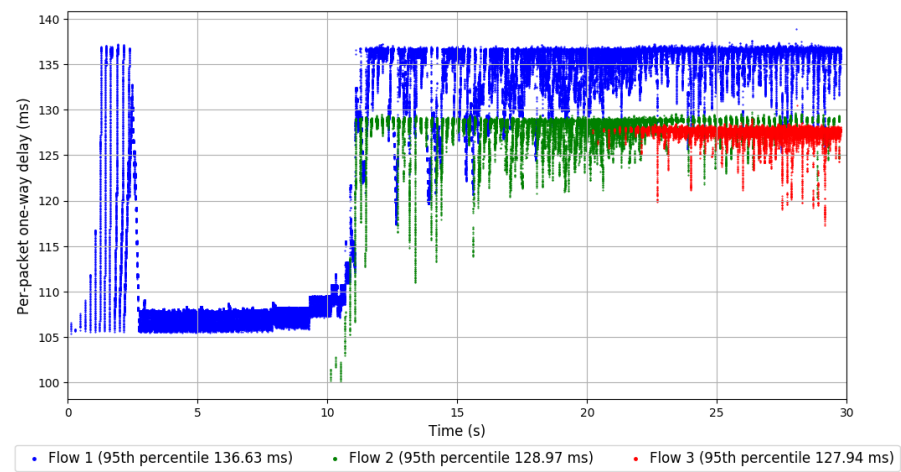
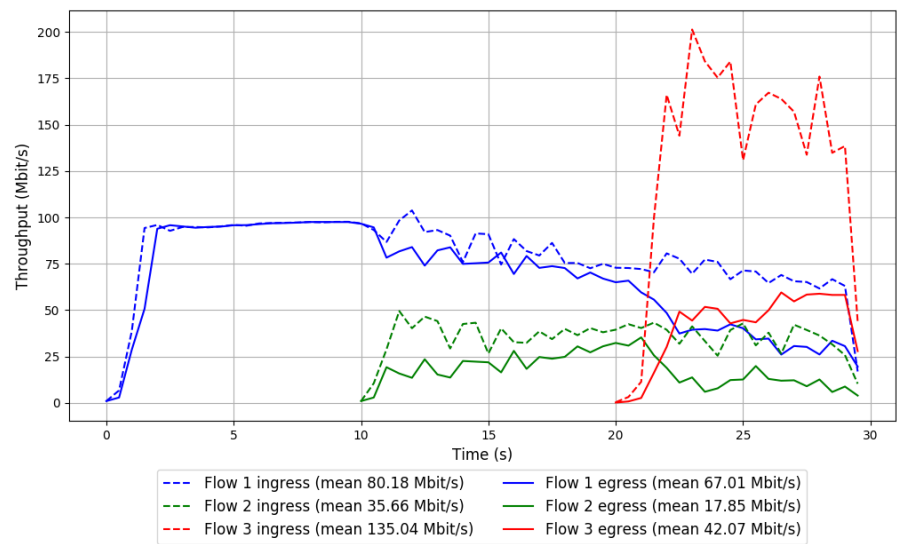
-- Flow 3:

Average throughput: 42.07 Mbit/s

95th percentile per-packet one-way delay: 127.940 ms

Loss rate: 68.84%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-04 00:05:52

End at: 2018-04-04 00:06:22

Local clock offset: -7.691 ms

Remote clock offset: 4.228 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 130.669 ms

Loss rate: 35.87%

-- Flow 1:

Average throughput: 63.97 Mbit/s

95th percentile per-packet one-way delay: 130.719 ms

Loss rate: 17.73%

-- Flow 2:

Average throughput: 18.96 Mbit/s

95th percentile per-packet one-way delay: 128.121 ms

Loss rate: 47.41%

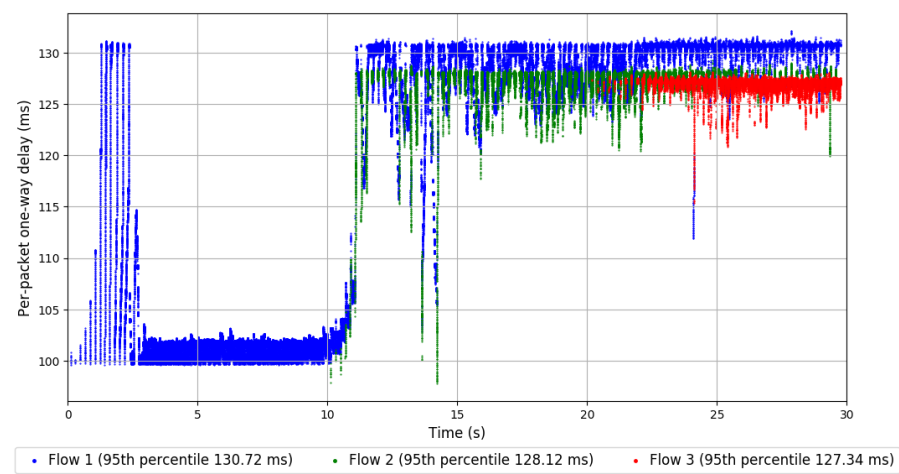
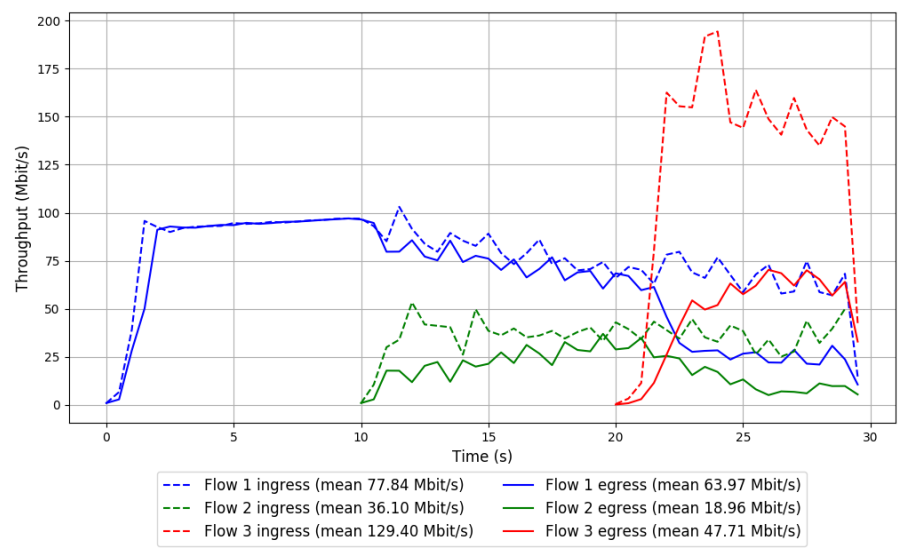
-- Flow 3:

Average throughput: 47.71 Mbit/s

95th percentile per-packet one-way delay: 127.344 ms

Loss rate: 63.13%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-04 00:30:10

End at: 2018-04-04 00:30:40

Local clock offset: 1.027 ms

Remote clock offset: 5.579 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 125.735 ms

Loss rate: 38.65%

-- Flow 1:

Average throughput: 66.54 Mbit/s

95th percentile per-packet one-way delay: 125.773 ms

Loss rate: 16.45%

-- Flow 2:

Average throughput: 18.62 Mbit/s

95th percentile per-packet one-way delay: 118.777 ms

Loss rate: 52.83%

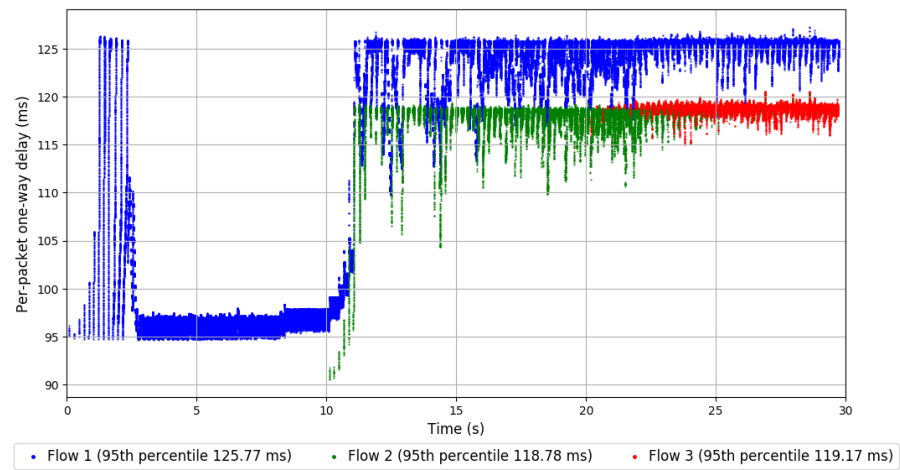
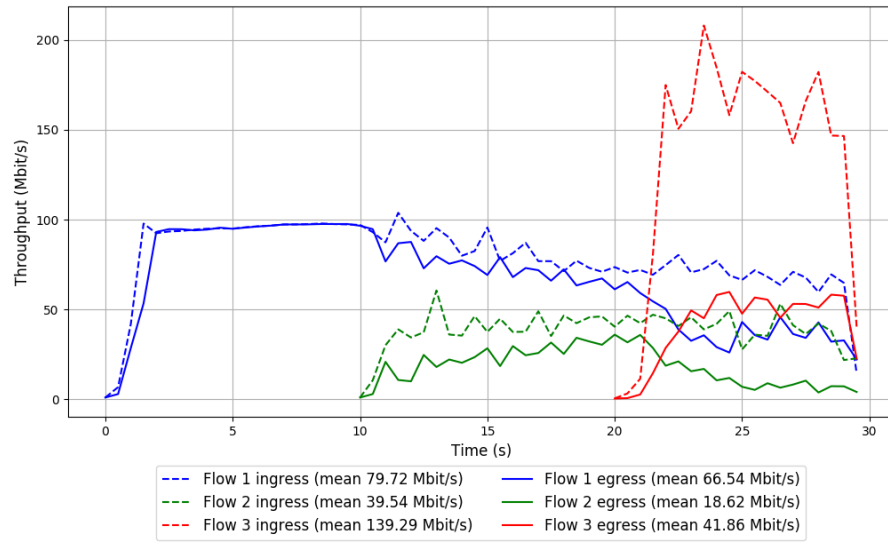
-- Flow 3:

Average throughput: 41.86 Mbit/s

95th percentile per-packet one-way delay: 119.168 ms

Loss rate: 69.94%

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

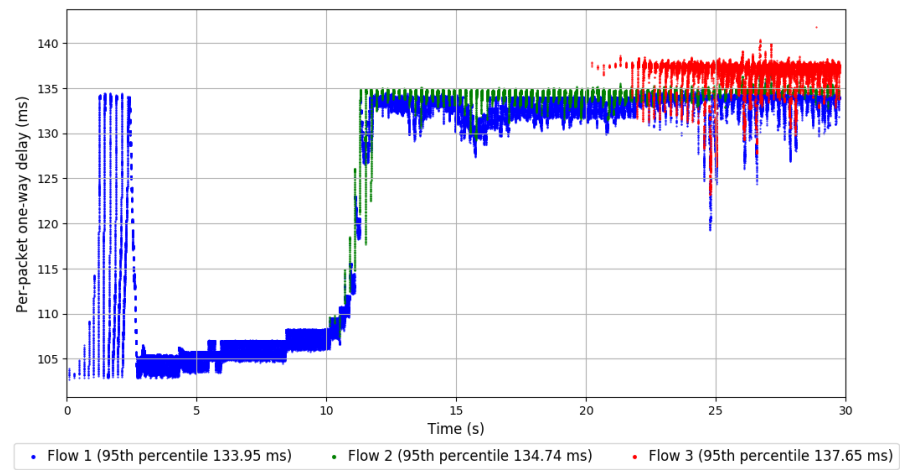
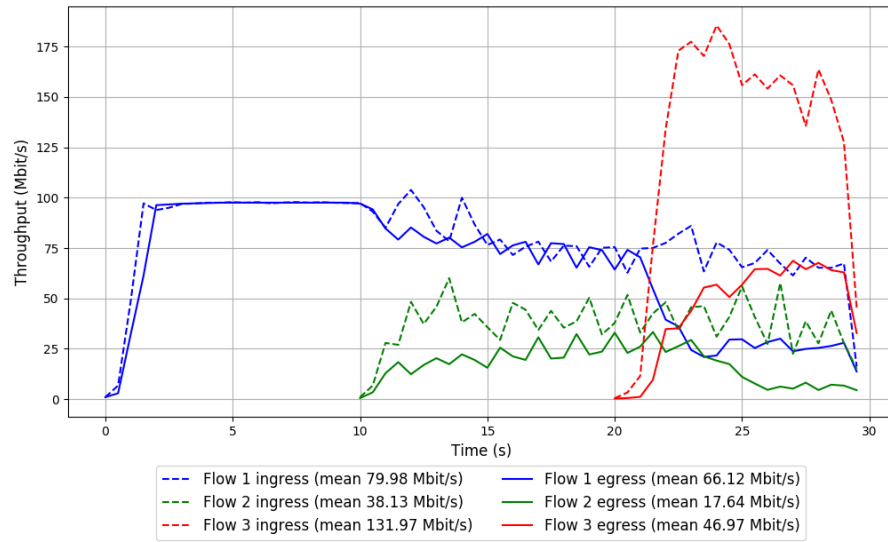


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-04 00:53:59
End at: 2018-04-04 00:54:29
Local clock offset: -5.373 ms
Remote clock offset: 11.772 ms

Below is generated by plot.py at 2018-04-04 01:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 137.449 ms
Loss rate: 37.03%
-- Flow 1:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 133.948 ms
Loss rate: 17.24%
-- Flow 2:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 134.737 ms
Loss rate: 53.67%
-- Flow 3:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 137.648 ms
Loss rate: 64.41%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-04-03 21:12:24

End at: 2018-04-03 21:12:54

Local clock offset: -7.717 ms

Remote clock offset: 5.02 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.67 Mbit/s

95th percentile per-packet one-way delay: 123.685 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 64.28 Mbit/s

95th percentile per-packet one-way delay: 123.000 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 14.69 Mbit/s

95th percentile per-packet one-way delay: 126.085 ms

Loss rate: 0.17%

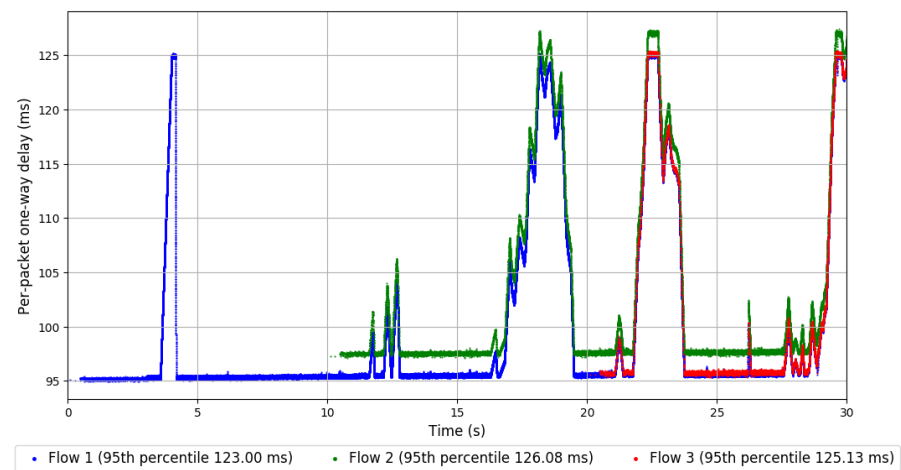
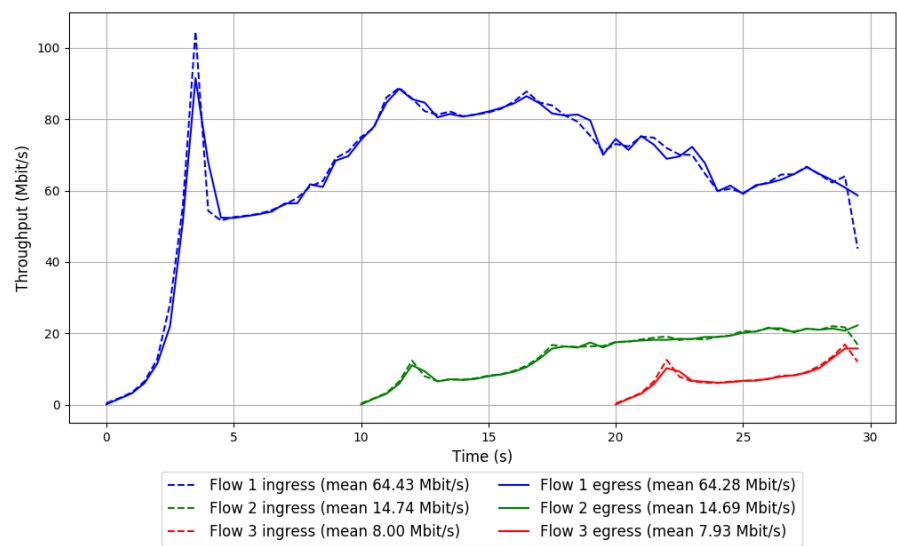
-- Flow 3:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 125.131 ms

Loss rate: 0.53%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 21:37:08

End at: 2018-04-03 21:37:38

Local clock offset: -3.043 ms

Remote clock offset: 4.853 ms

Below is generated by plot.py at 2018-04-04 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 124.252 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 64.45 Mbit/s

95th percentile per-packet one-way delay: 124.173 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 16.96 Mbit/s

95th percentile per-packet one-way delay: 126.926 ms

Loss rate: 1.41%

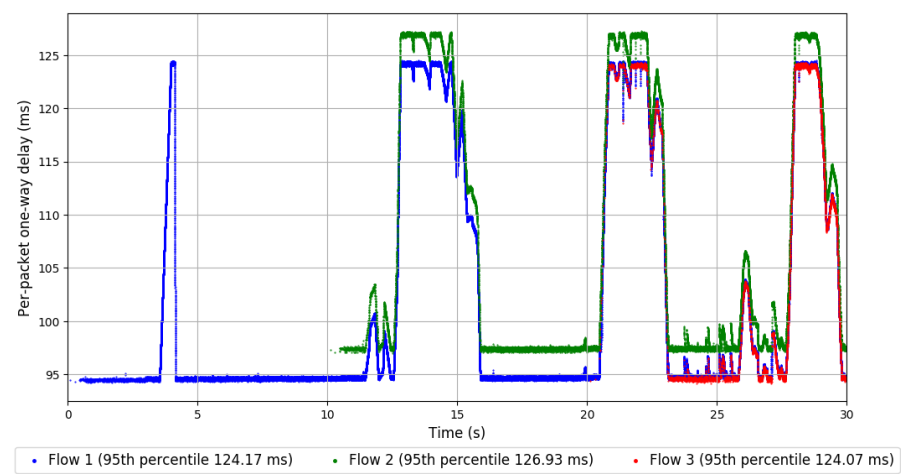
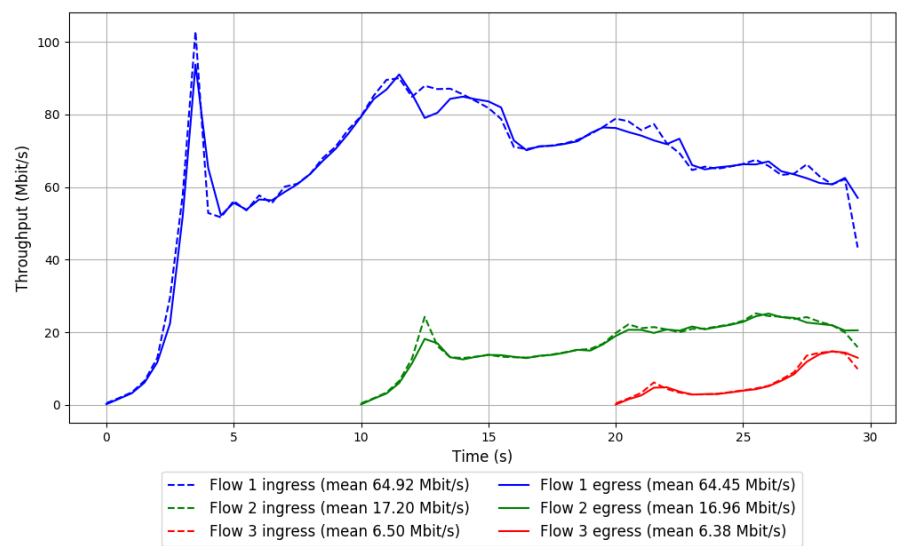
-- Flow 3:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 124.072 ms

Loss rate: 1.73%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 22:01:06

End at: 2018-04-03 22:01:36

Local clock offset: -6.658 ms

Remote clock offset: 5.566 ms

Below is generated by plot.py at 2018-04-04 01:51:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.03 Mbit/s

95th percentile per-packet one-way delay: 124.043 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 61.55 Mbit/s

95th percentile per-packet one-way delay: 123.456 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 15.00 Mbit/s

95th percentile per-packet one-way delay: 123.614 ms

Loss rate: 0.30%

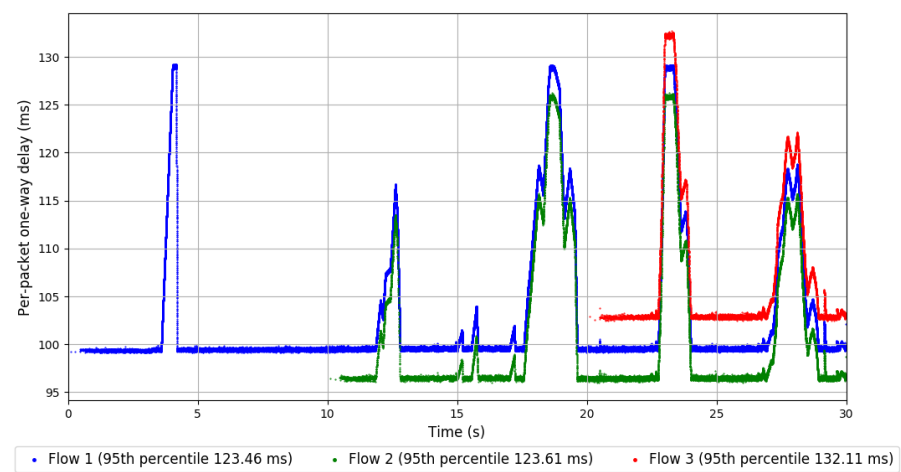
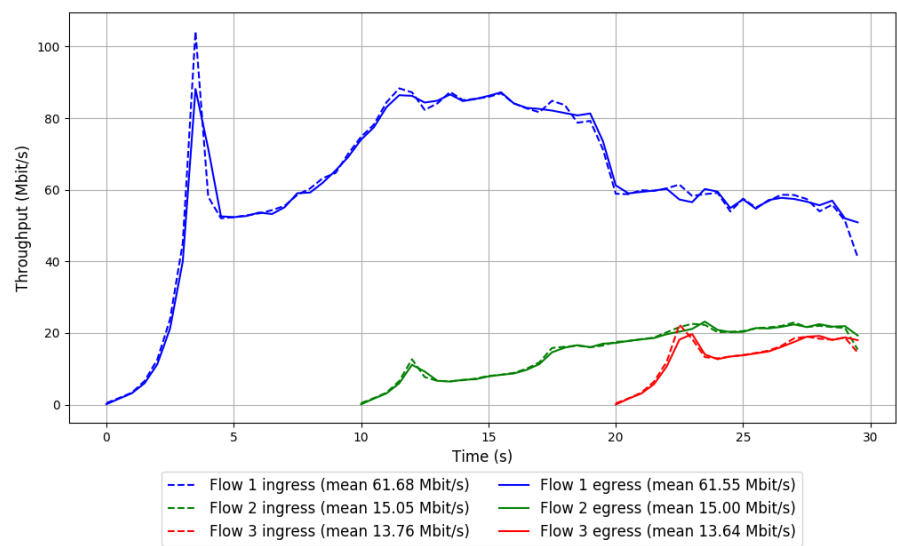
-- Flow 3:

Average throughput: 13.64 Mbit/s

95th percentile per-packet one-way delay: 132.109 ms

Loss rate: 0.91%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-04-03 22:25:04

End at: 2018-04-03 22:25:34

Local clock offset: -5.819 ms

Remote clock offset: 5.684 ms

Below is generated by plot.py at 2018-04-04 01:51:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 123.859 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 66.76 Mbit/s

95th percentile per-packet one-way delay: 123.779 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 8.07 Mbit/s

95th percentile per-packet one-way delay: 128.817 ms

Loss rate: 1.52%

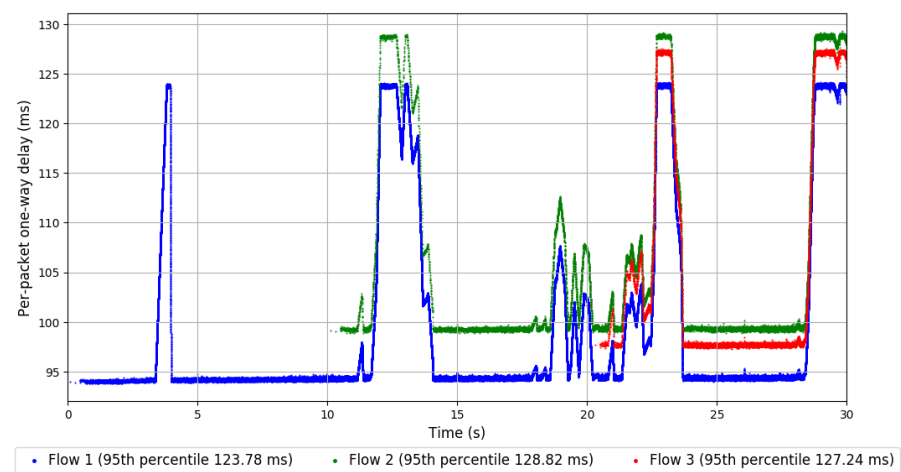
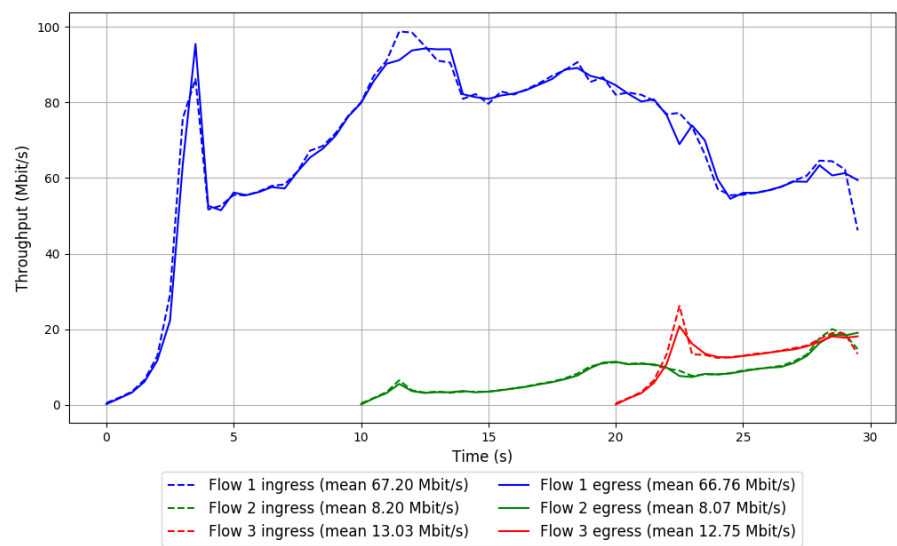
-- Flow 3:

Average throughput: 12.75 Mbit/s

95th percentile per-packet one-way delay: 127.240 ms

Loss rate: 1.91%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-04-03 22:49:01

End at: 2018-04-03 22:49:31

Local clock offset: -2.634 ms

Remote clock offset: 5.614 ms

Below is generated by plot.py at 2018-04-04 01:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.60 Mbit/s

95th percentile per-packet one-way delay: 114.391 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 68.65 Mbit/s

95th percentile per-packet one-way delay: 114.607 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 115.088 ms

Loss rate: 0.06%

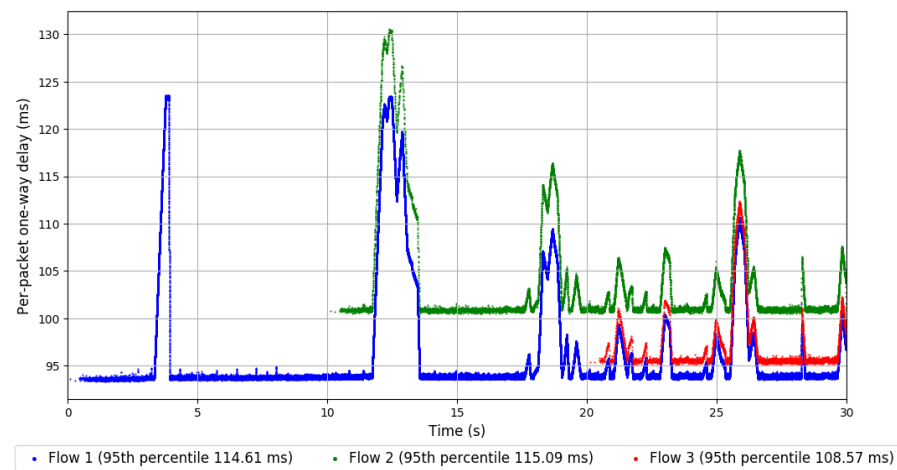
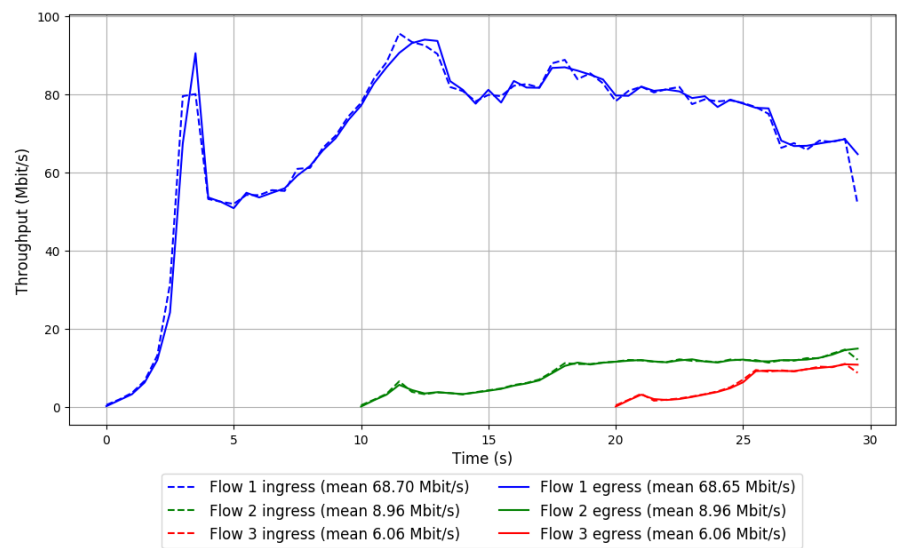
-- Flow 3:

Average throughput: 6.06 Mbit/s

95th percentile per-packet one-way delay: 108.571 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-04-03 23:12:48

End at: 2018-04-03 23:13:18

Local clock offset: -6.285 ms

Remote clock offset: 5.815 ms

Below is generated by plot.py at 2018-04-04 01:52:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.22 Mbit/s

95th percentile per-packet one-way delay: 120.375 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 119.628 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 120.092 ms

Loss rate: 0.60%

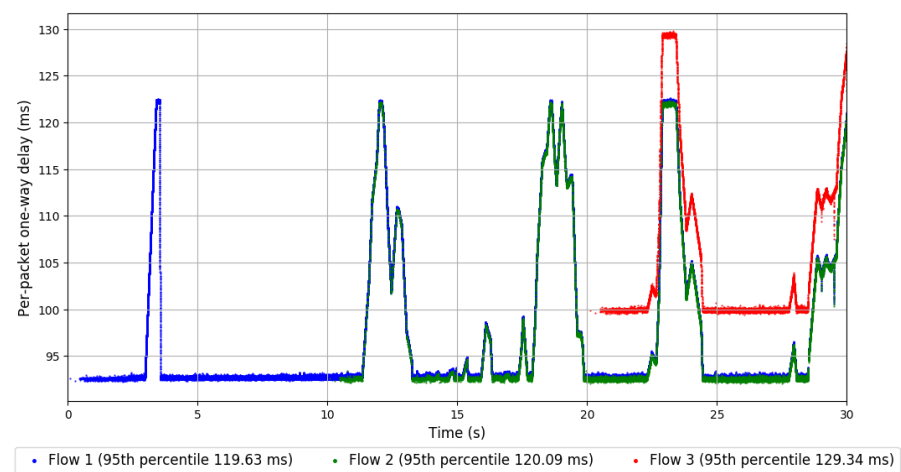
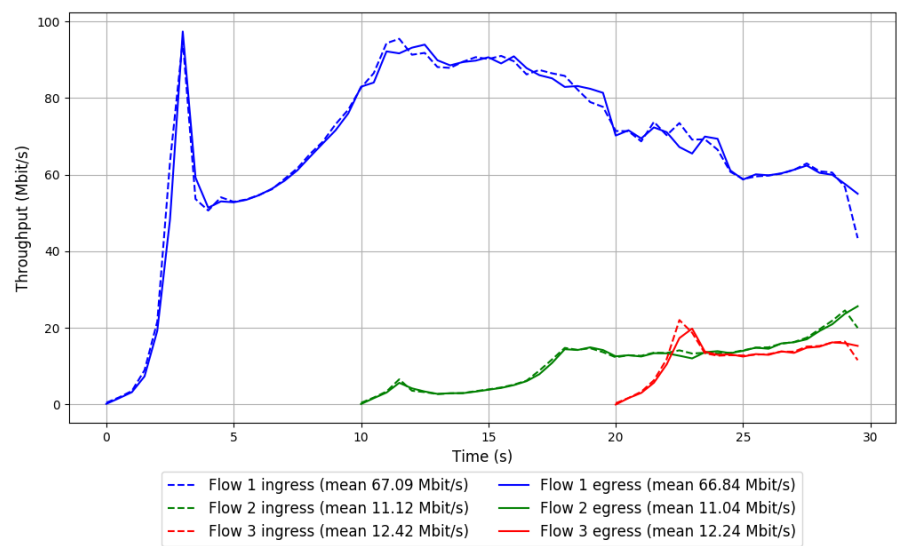
-- Flow 3:

Average throughput: 12.24 Mbit/s

95th percentile per-packet one-way delay: 129.342 ms

Loss rate: 1.28%

Run 6: Report of Vivace-latency — Data Link

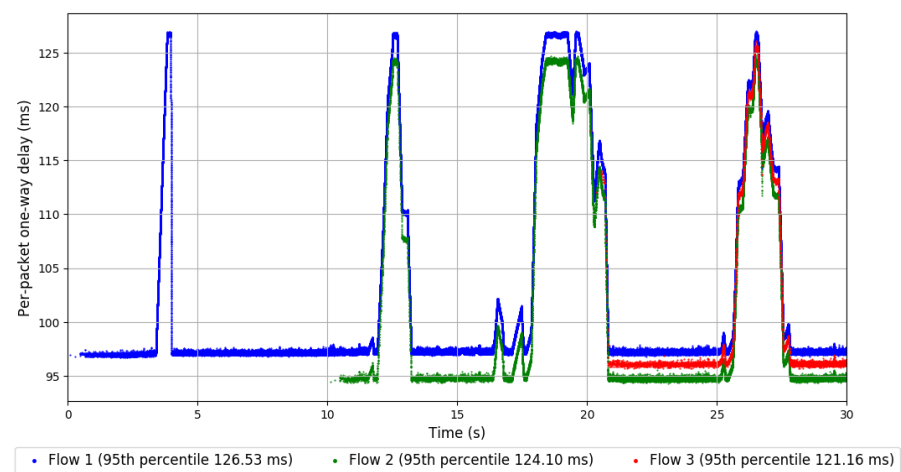
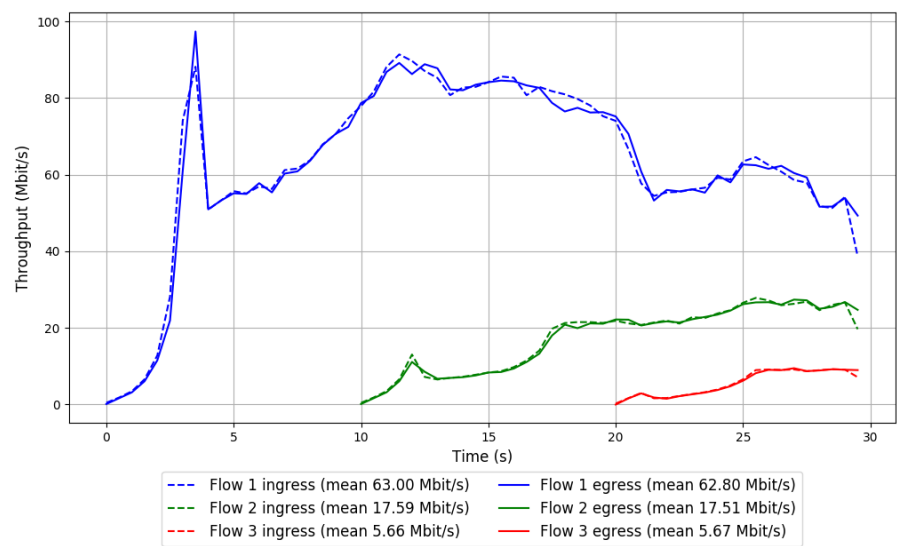


Run 7: Statistics of Vivace-latency

Start at: 2018-04-03 23:36:34
End at: 2018-04-03 23:37:04
Local clock offset: -1.521 ms
Remote clock offset: 12.089 ms

Below is generated by plot.py at 2018-04-04 01:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 126.200 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 62.80 Mbit/s
95th percentile per-packet one-way delay: 126.528 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 124.103 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 5.67 Mbit/s
95th percentile per-packet one-way delay: 121.159 ms
Loss rate: 0.19%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-04-04 00:00:35

End at: 2018-04-04 00:01:05

Local clock offset: -8.139 ms

Remote clock offset: 4.052 ms

Below is generated by plot.py at 2018-04-04 01:52:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.77 Mbit/s

95th percentile per-packet one-way delay: 117.274 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 67.94 Mbit/s

95th percentile per-packet one-way delay: 117.479 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 109.048 ms

Loss rate: 0.11%

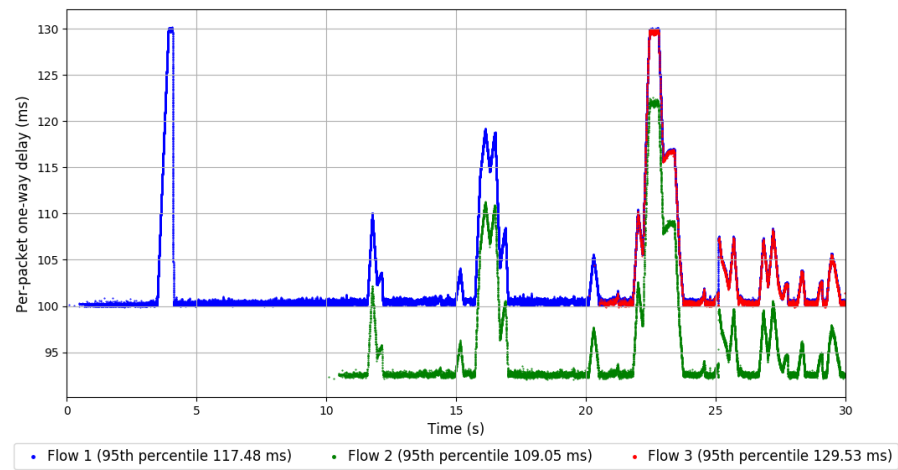
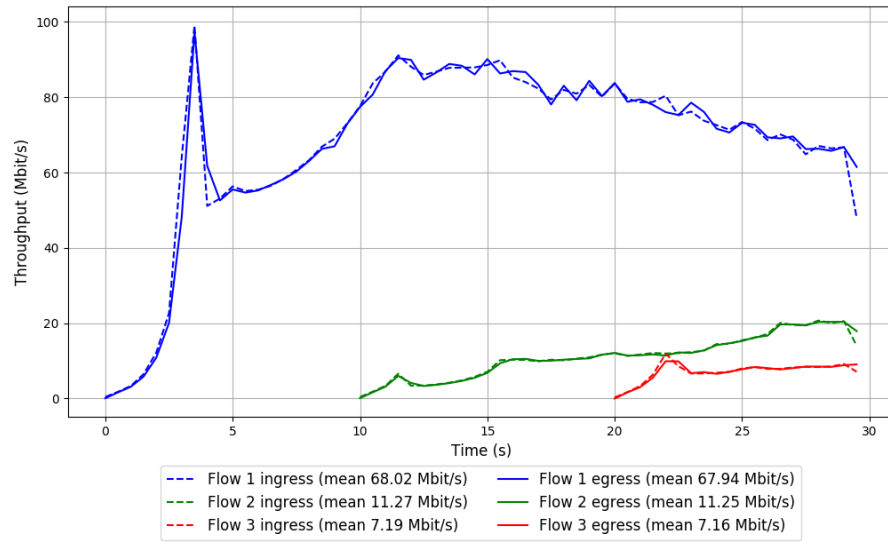
-- Flow 3:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 129.531 ms

Loss rate: 0.42%

Run 8: Report of Vivace-latency — Data Link

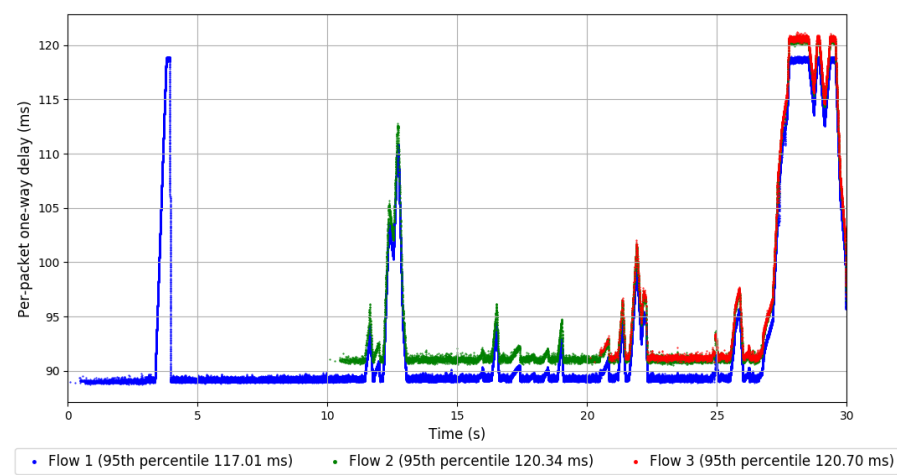
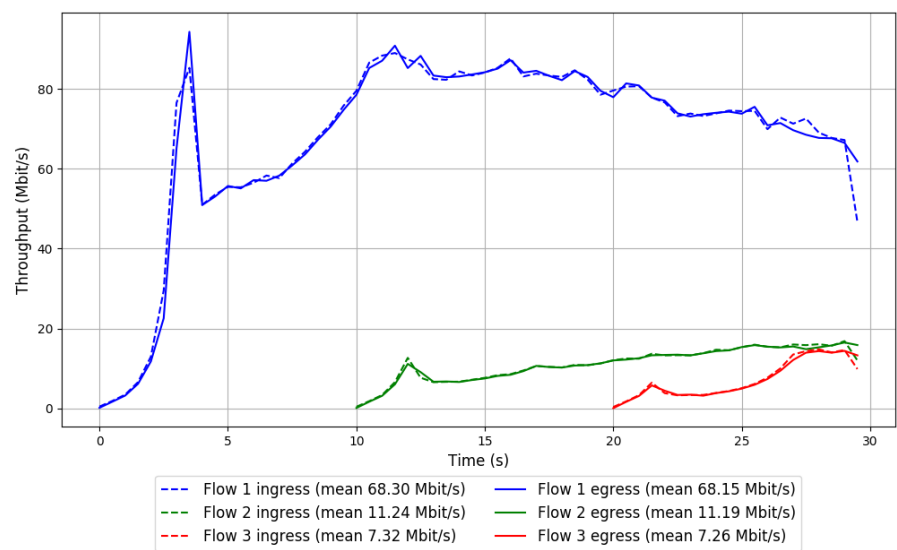


Run 9: Statistics of Vivace-latency

Start at: 2018-04-04 00:24:43
End at: 2018-04-04 00:25:13
Local clock offset: 4.708 ms
Remote clock offset: 10.584 ms

Below is generated by plot.py at 2018-04-04 01:52:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 118.500 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 117.007 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 120.337 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 120.705 ms
Loss rate: 0.77%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-04-04 00:48:44

End at: 2018-04-04 00:49:14

Local clock offset: -3.351 ms

Remote clock offset: 6.648 ms

Below is generated by plot.py at 2018-04-04 01:52:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.24 Mbit/s

95th percentile per-packet one-way delay: 124.373 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 65.78 Mbit/s

95th percentile per-packet one-way delay: 123.295 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 12.81 Mbit/s

95th percentile per-packet one-way delay: 121.064 ms

Loss rate: 0.35%

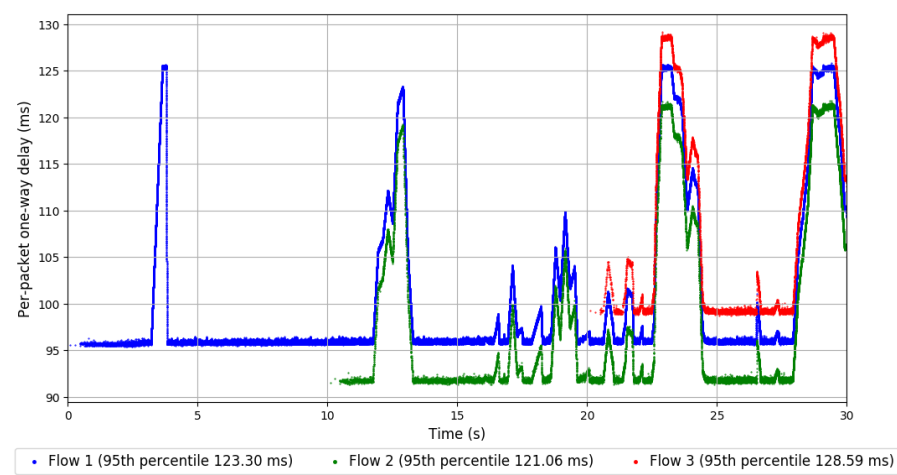
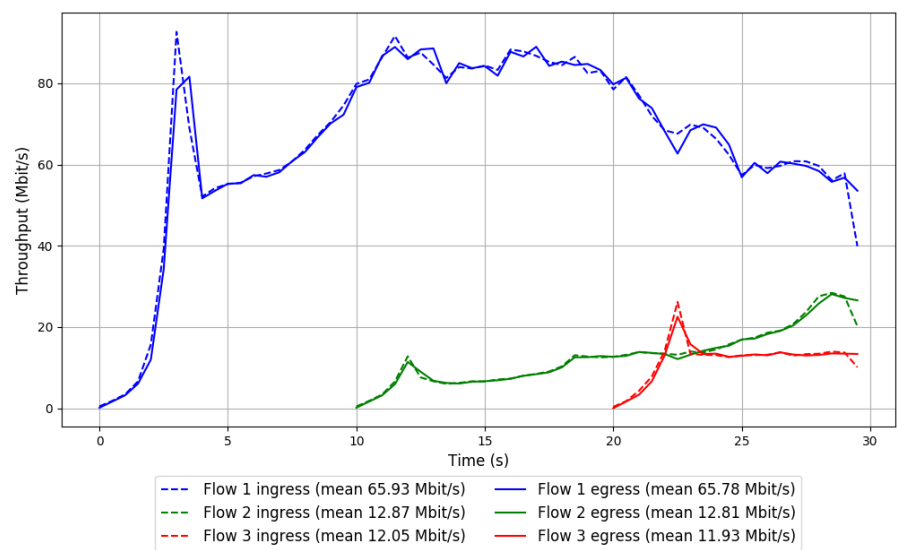
-- Flow 3:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 128.586 ms

Loss rate: 0.93%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 21:13:45

End at: 2018-04-03 21:14:15

Local clock offset: -7.125 ms

Remote clock offset: 4.937 ms

Below is generated by plot.py at 2018-04-04 01:53:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 127.196 ms

Loss rate: 3.04%

-- Flow 1:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: 127.169 ms

Loss rate: 2.96%

-- Flow 2:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 130.613 ms

Loss rate: 4.29%

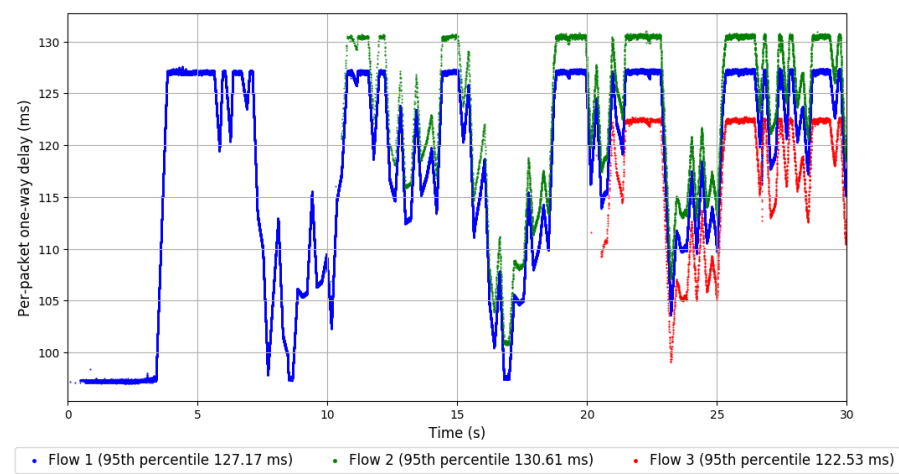
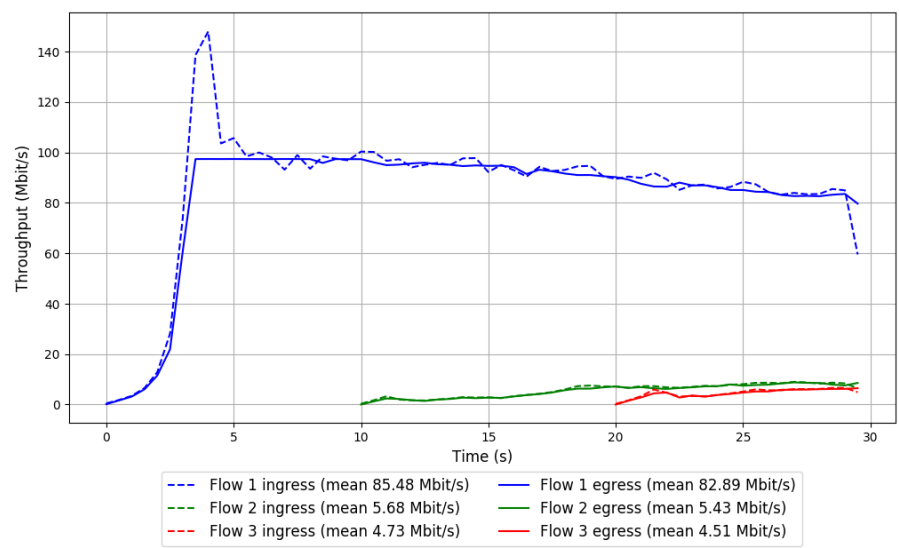
-- Flow 3:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 122.535 ms

Loss rate: 4.47%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 21:38:29

End at: 2018-04-03 21:38:59

Local clock offset: -2.913 ms

Remote clock offset: 3.73 ms

Below is generated by plot.py at 2018-04-04 01:53:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.03 Mbit/s

95th percentile per-packet one-way delay: 130.225 ms

Loss rate: 3.19%

-- Flow 1:

Average throughput: 82.09 Mbit/s

95th percentile per-packet one-way delay: 130.223 ms

Loss rate: 3.14%

-- Flow 2:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 123.042 ms

Loss rate: 3.54%

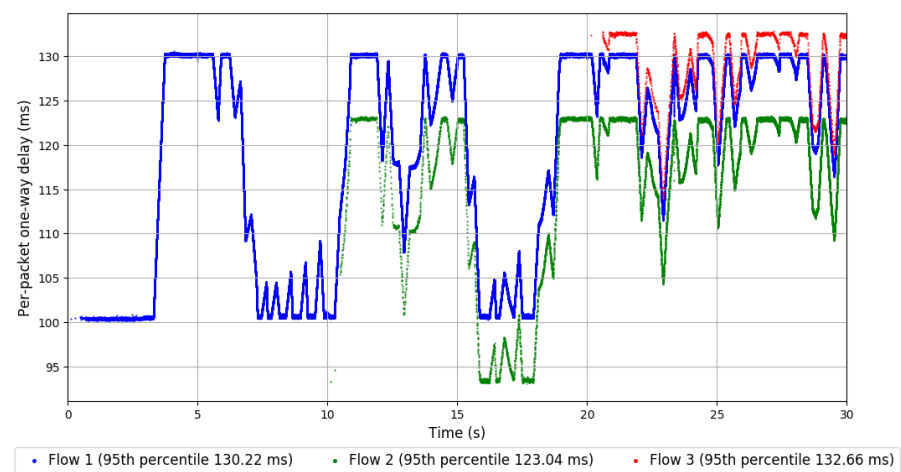
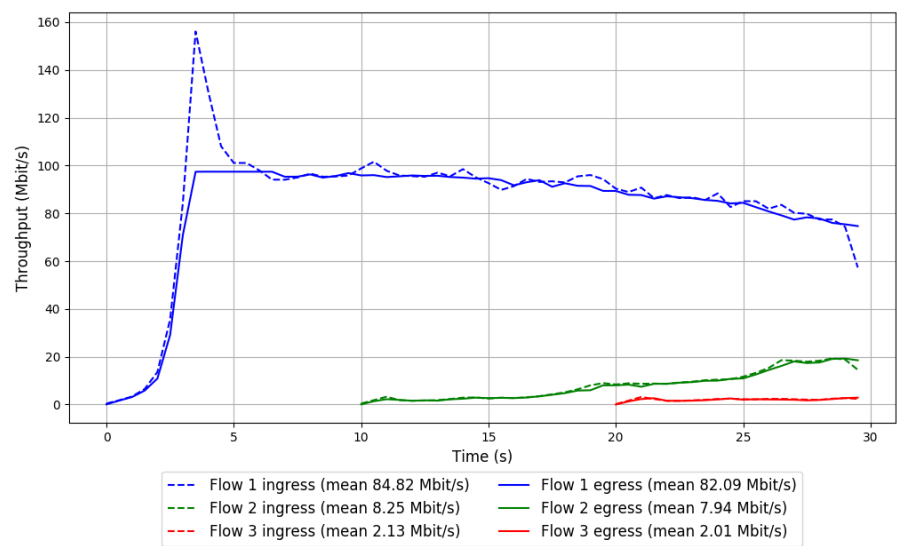
-- Flow 3:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 132.661 ms

Loss rate: 5.61%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 22:02:26

End at: 2018-04-03 22:02:56

Local clock offset: -6.808 ms

Remote clock offset: 4.631 ms

Below is generated by plot.py at 2018-04-04 01:53:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.34 Mbit/s

95th percentile per-packet one-way delay: 130.325 ms

Loss rate: 3.15%

-- Flow 1:

Average throughput: 81.25 Mbit/s

95th percentile per-packet one-way delay: 130.331 ms

Loss rate: 3.11%

-- Flow 2:

Average throughput: 5.80 Mbit/s

95th percentile per-packet one-way delay: 125.976 ms

Loss rate: 3.39%

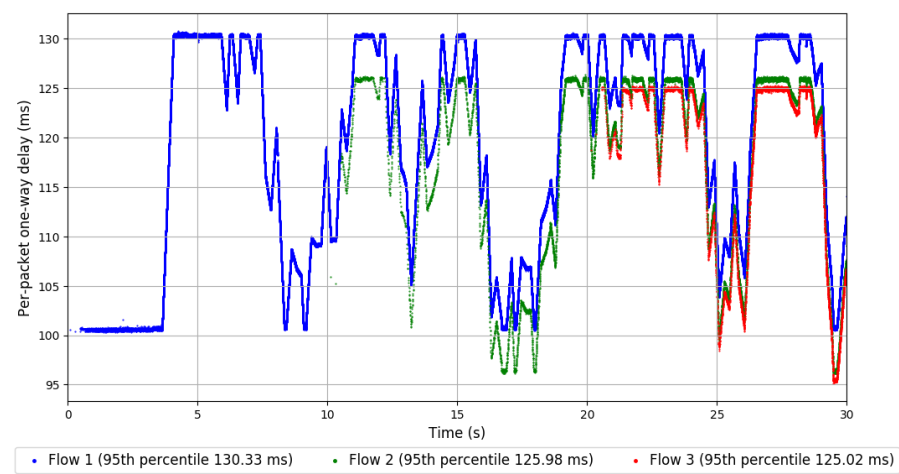
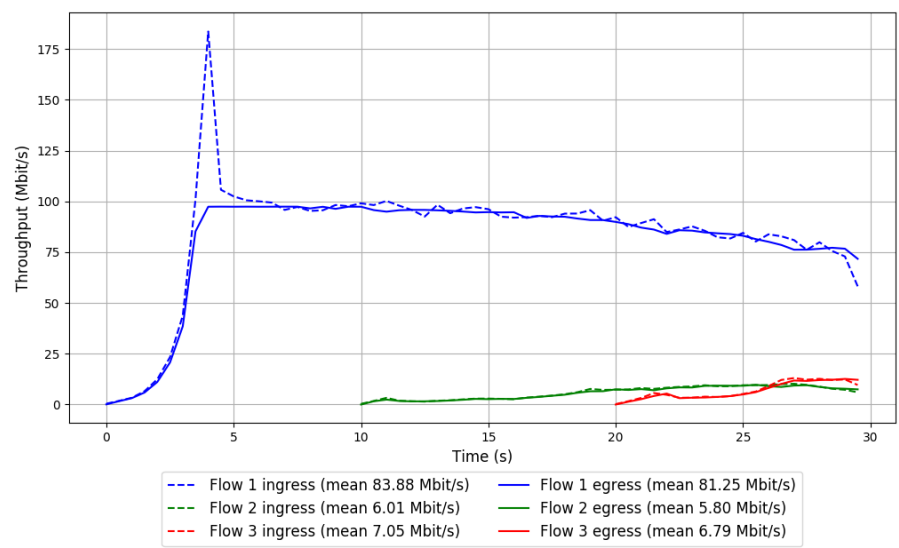
-- Flow 3:

Average throughput: 6.79 Mbit/s

95th percentile per-packet one-way delay: 125.022 ms

Loss rate: 3.89%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-04-03 22:26:26

End at: 2018-04-03 22:26:56

Local clock offset: -5.383 ms

Remote clock offset: 5.671 ms

Below is generated by plot.py at 2018-04-04 01:54:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 127.485 ms

Loss rate: 3.45%

-- Flow 1:

Average throughput: 80.22 Mbit/s

95th percentile per-packet one-way delay: 127.424 ms

Loss rate: 3.35%

-- Flow 2:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 129.137 ms

Loss rate: 4.49%

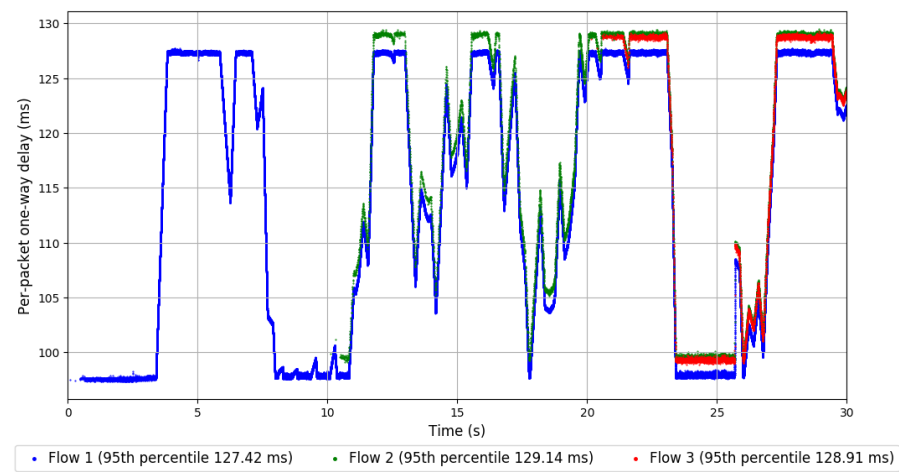
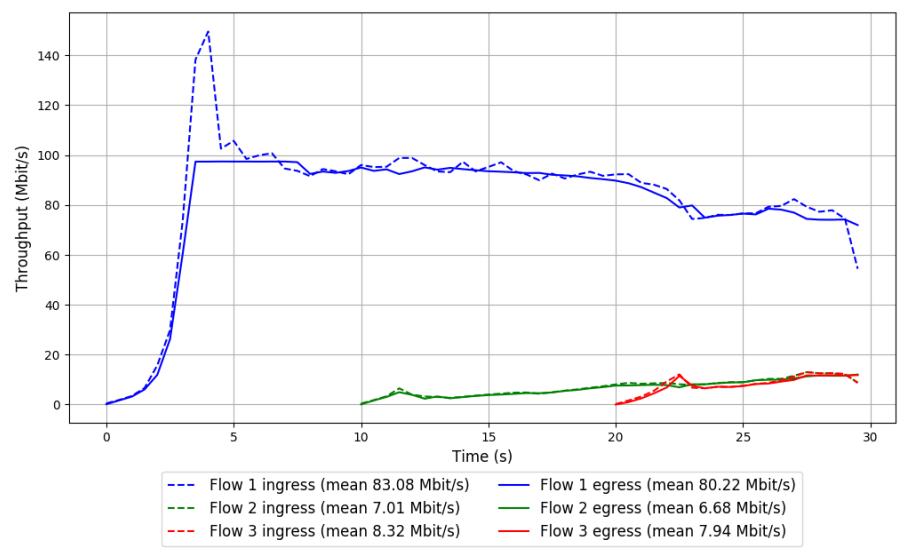
-- Flow 3:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 128.905 ms

Loss rate: 4.72%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-04-03 22:50:22

End at: 2018-04-03 22:50:52

Local clock offset: -2.59 ms

Remote clock offset: 11.05 ms

Below is generated by plot.py at 2018-04-04 01:54:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.70 Mbit/s

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

Loss rate: 2.98%

-- Flow 1:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 130.600 ms

Loss rate: 2.95%

-- Flow 2:

Average throughput: 5.97 Mbit/s

95th percentile per-packet one-way delay: 134.658 ms

Loss rate: 3.49%

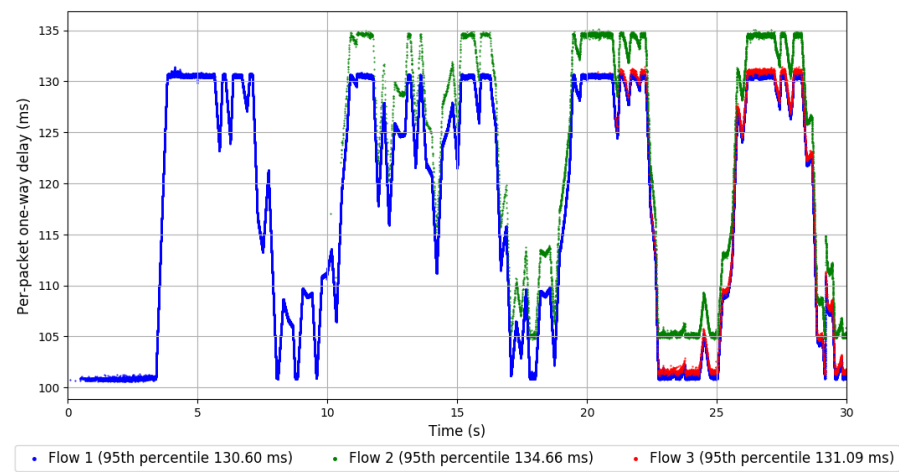
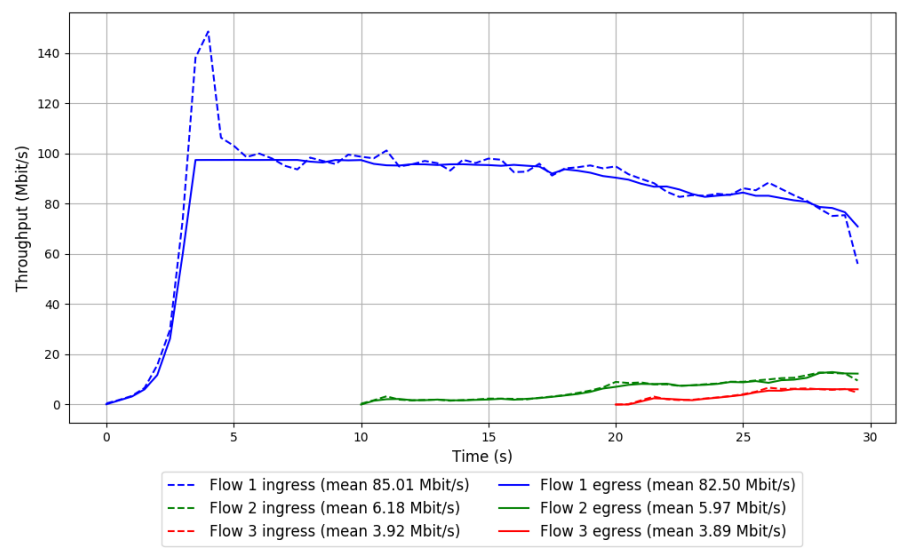
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 131.089 ms

Loss rate: 3.59%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 23:14:09

End at: 2018-04-03 23:14:39

Local clock offset: -5.886 ms

Remote clock offset: 6.842 ms

Below is generated by plot.py at 2018-04-04 01:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 130.007 ms

Loss rate: 3.04%

-- Flow 1:

Average throughput: 81.57 Mbit/s

95th percentile per-packet one-way delay: 130.011 ms

Loss rate: 3.02%

-- Flow 2:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 124.586 ms

Loss rate: 3.21%

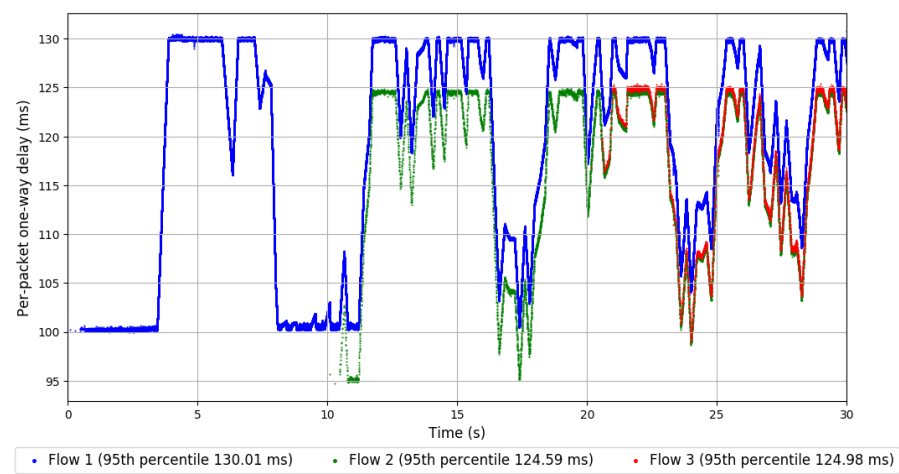
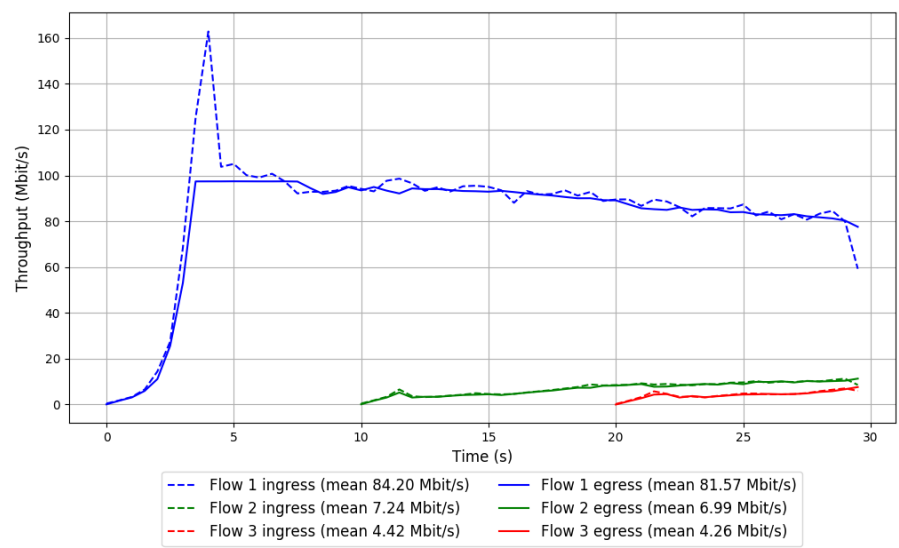
-- Flow 3:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 124.980 ms

Loss rate: 3.69%

Run 6: Report of Vivace-loss — Data Link

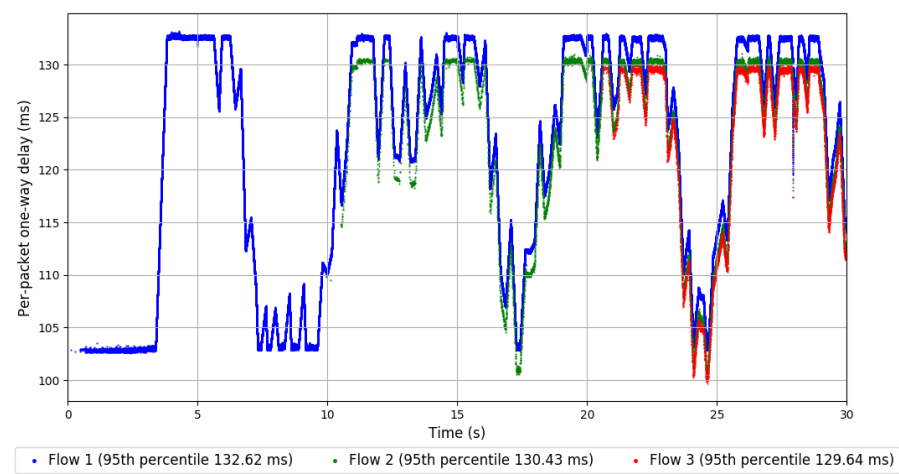
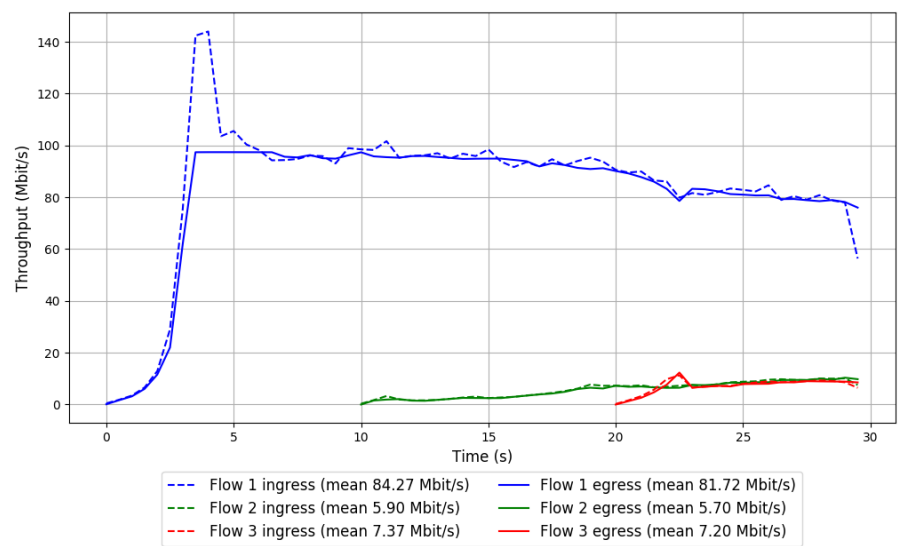


Run 7: Statistics of Vivace-loss

Start at: 2018-04-03 23:37:55
End at: 2018-04-03 23:38:25
Local clock offset: -7.425 ms
Remote clock offset: 10.989 ms

Below is generated by plot.py at 2018-04-04 01:54:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 132.620 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 81.72 Mbit/s
95th percentile per-packet one-way delay: 132.625 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 130.427 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 129.644 ms
Loss rate: 2.39%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-04-04 00:01:56

End at: 2018-04-04 00:02:26

Local clock offset: -8.201 ms

Remote clock offset: 5.132 ms

Below is generated by plot.py at 2018-04-04 01:54:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 124.080 ms

Loss rate: 3.23%

-- Flow 1:

Average throughput: 79.87 Mbit/s

95th percentile per-packet one-way delay: 124.073 ms

Loss rate: 3.23%

-- Flow 2:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 122.165 ms

Loss rate: 3.13%

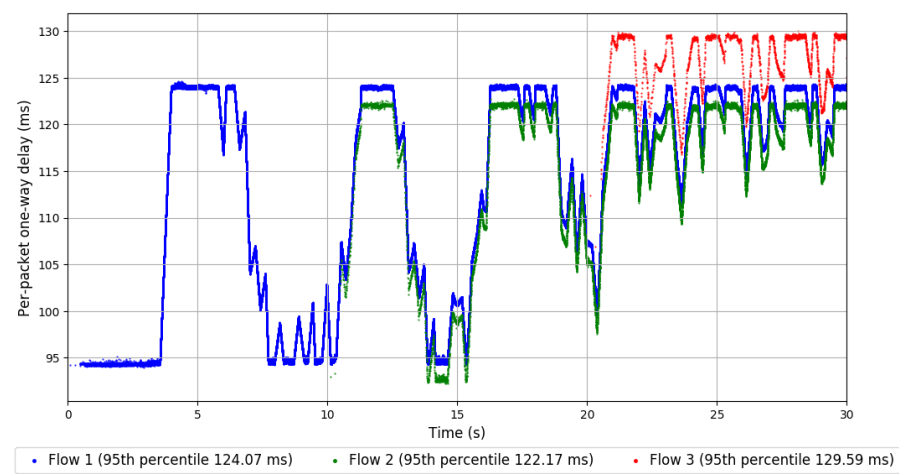
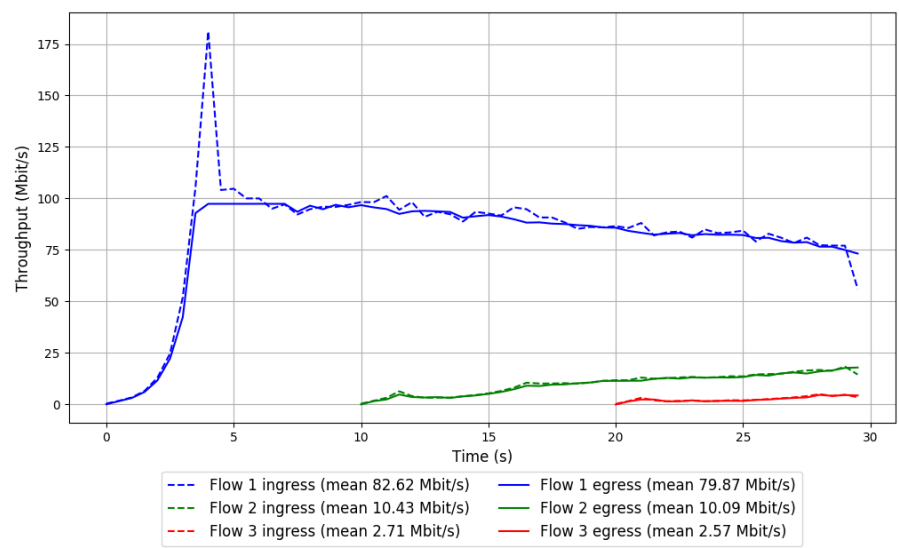
-- Flow 3:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 129.593 ms

Loss rate: 4.88%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-04-04 00:26:04

End at: 2018-04-04 00:26:34

Local clock offset: 12.105 ms

Remote clock offset: 5.62 ms

Below is generated by plot.py at 2018-04-04 01:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 105.056 ms

Loss rate: 3.10%

-- Flow 1:

Average throughput: 81.94 Mbit/s

95th percentile per-packet one-way delay: 105.021 ms

Loss rate: 3.09%

-- Flow 2:

Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 108.211 ms

Loss rate: 3.44%

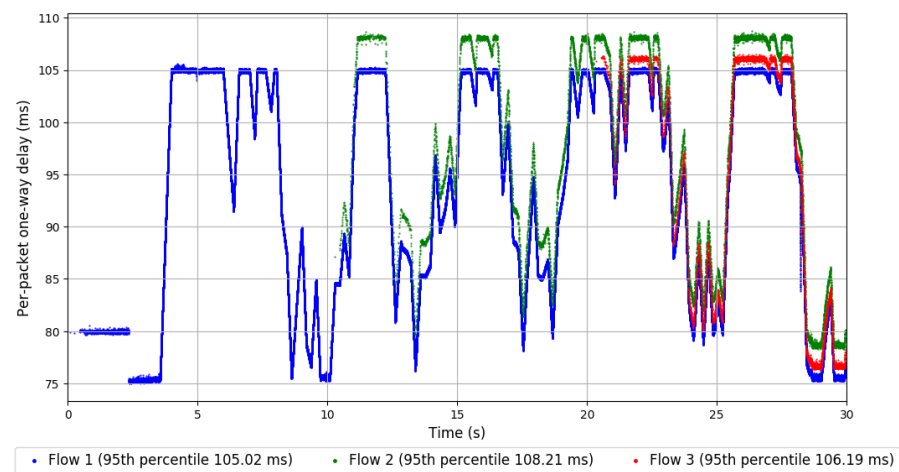
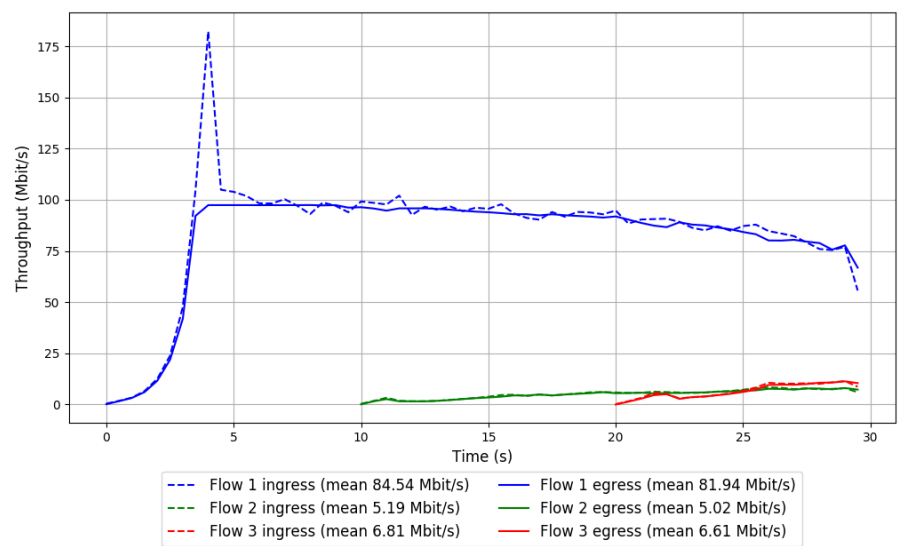
-- Flow 3:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 106.190 ms

Loss rate: 3.17%

Run 9: Report of Vivace-loss — Data Link

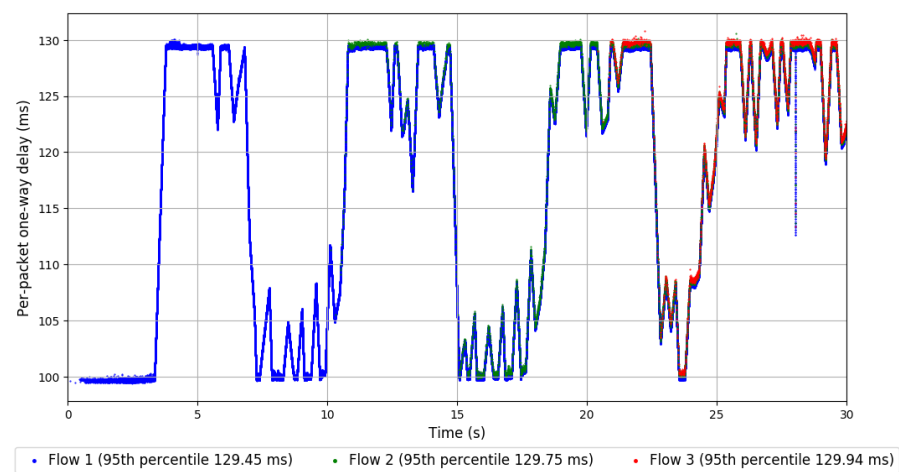
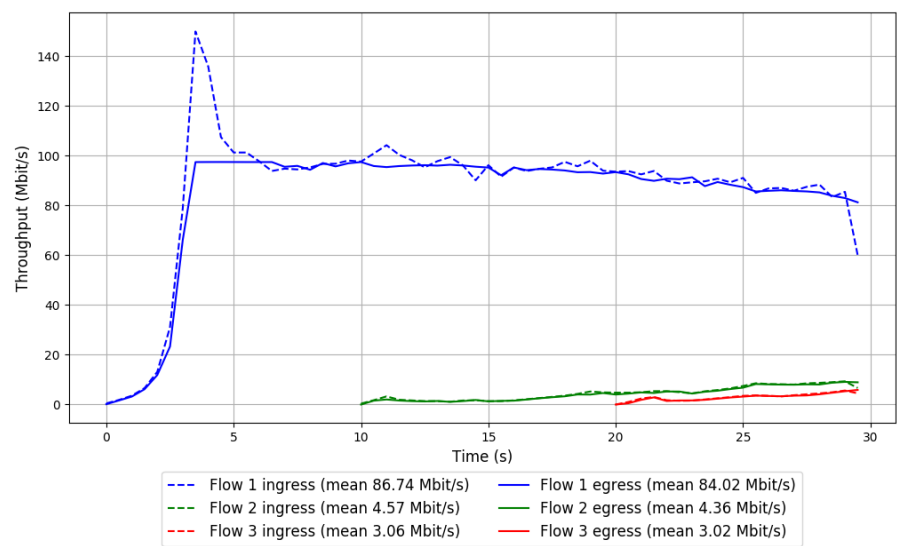


Run 10: Statistics of Vivace-loss

Start at: 2018-04-04 00:50:04
End at: 2018-04-04 00:50:34
Local clock offset: -5.57 ms
Remote clock offset: 10.544 ms

Below is generated by plot.py at 2018-04-04 01:54:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 129.466 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 129.448 ms
Loss rate: 3.06%
-- Flow 2:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 129.752 ms
Loss rate: 4.53%
-- Flow 3:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 129.941 ms
Loss rate: 3.77%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 21:05:59

End at: 2018-04-03 21:06:29

Local clock offset: -7.634 ms

Remote clock offset: 6.445 ms

Below is generated by plot.py at 2018-04-04 01:55:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 133.062 ms

Loss rate: 2.73%

-- Flow 1:

Average throughput: 78.36 Mbit/s

95th percentile per-packet one-way delay: 133.070 ms

Loss rate: 2.79%

-- Flow 2:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 123.898 ms

Loss rate: 2.00%

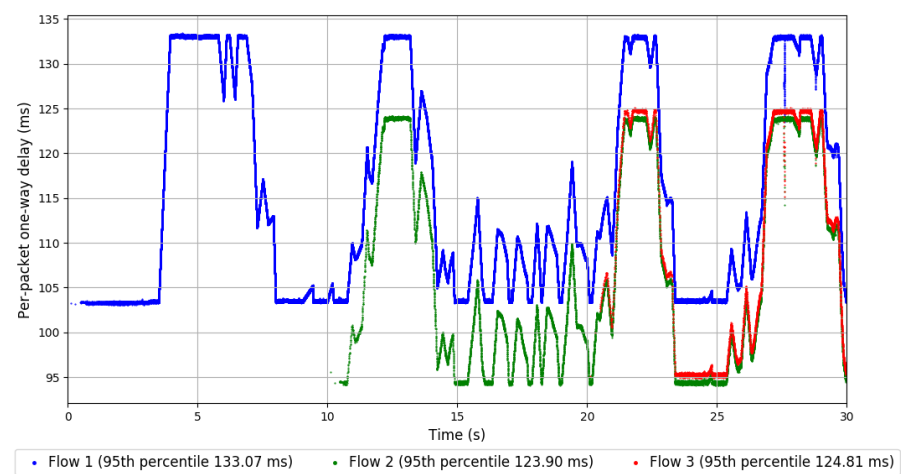
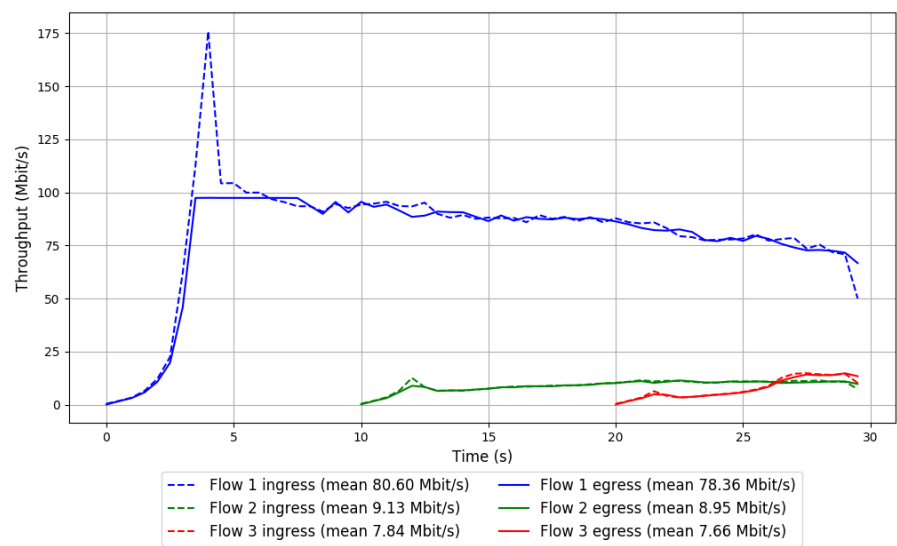
-- Flow 3:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 124.812 ms

Loss rate: 2.30%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 21:30:44

End at: 2018-04-03 21:31:14

Local clock offset: -3.433 ms

Remote clock offset: 4.038 ms

Below is generated by plot.py at 2018-04-04 01:55:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 128.587 ms

Loss rate: 3.19%

-- Flow 1:

Average throughput: 73.71 Mbit/s

95th percentile per-packet one-way delay: 128.599 ms

Loss rate: 3.29%

-- Flow 2:

Average throughput: 13.89 Mbit/s

95th percentile per-packet one-way delay: 126.878 ms

Loss rate: 2.32%

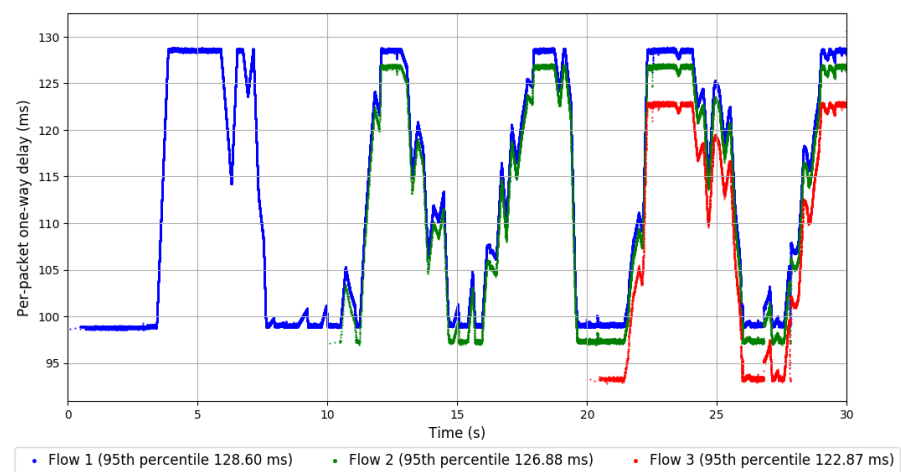
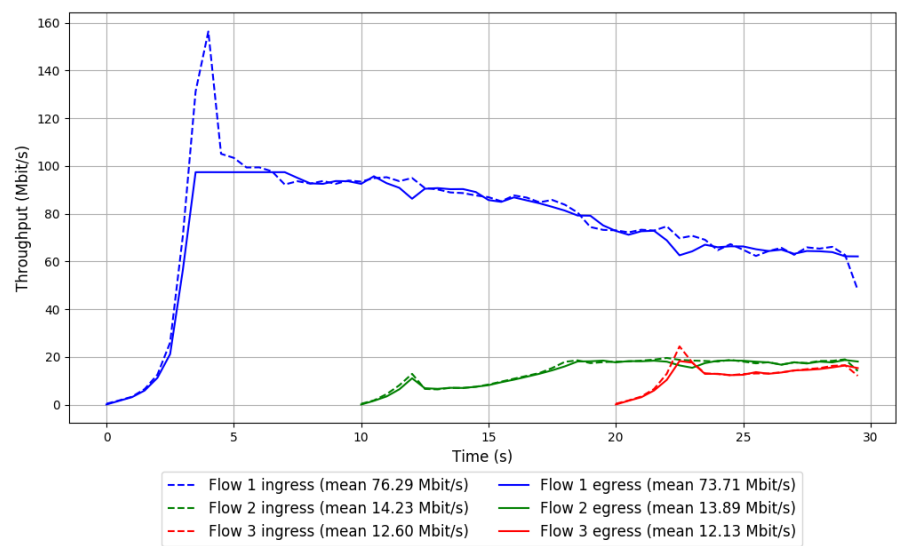
-- Flow 3:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 122.873 ms

Loss rate: 3.40%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 21:54:42

End at: 2018-04-03 21:55:12

Local clock offset: -5.608 ms

Remote clock offset: 9.853 ms

Below is generated by plot.py at 2018-04-04 01:55:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 129.421 ms

Loss rate: 2.95%

-- Flow 1:

Average throughput: 73.84 Mbit/s

95th percentile per-packet one-way delay: 129.435 ms

Loss rate: 3.10%

-- Flow 2:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 126.272 ms

Loss rate: 1.96%

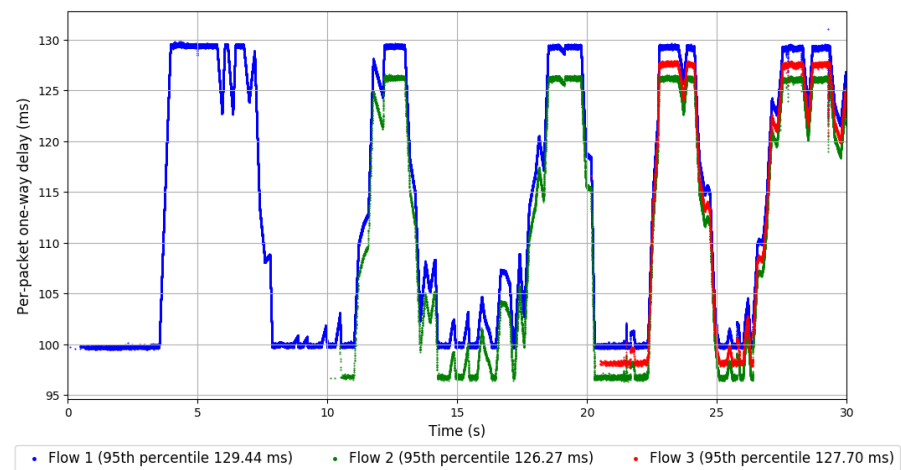
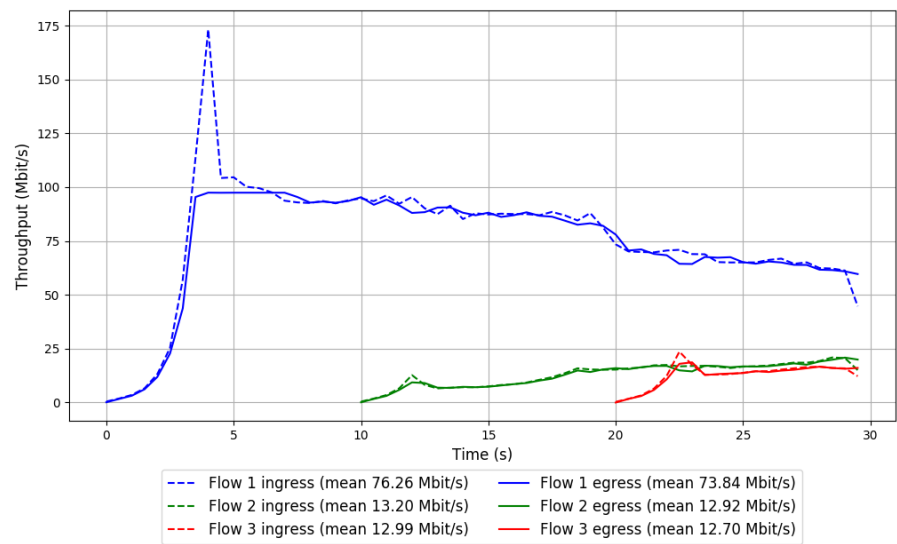
-- Flow 3:

Average throughput: 12.70 Mbit/s

95th percentile per-packet one-way delay: 127.700 ms

Loss rate: 2.17%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-04-03 22:18:40

End at: 2018-04-03 22:19:10

Local clock offset: -8.027 ms

Remote clock offset: 5.769 ms

Below is generated by plot.py at 2018-04-04 01:55:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 125.283 ms

Loss rate: 3.05%

-- Flow 1:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 125.275 ms

Loss rate: 3.10%

-- Flow 2:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 125.205 ms

Loss rate: 2.25%

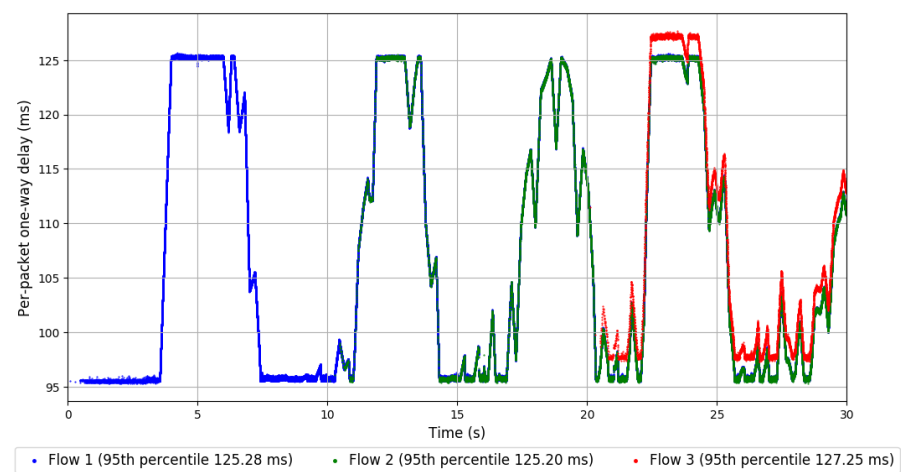
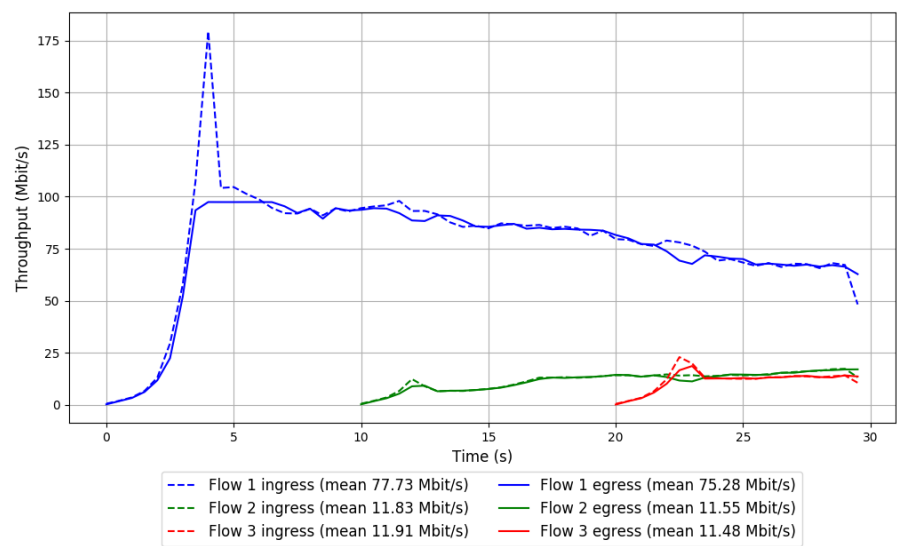
-- Flow 3:

Average throughput: 11.48 Mbit/s

95th percentile per-packet one-way delay: 127.255 ms

Loss rate: 3.62%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 22:42:35

End at: 2018-04-03 22:43:05

Local clock offset: -3.067 ms

Remote clock offset: 10.05 ms

Below is generated by plot.py at 2018-04-04 01:55:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 135.404 ms

Loss rate: 3.45%

-- Flow 1:

Average throughput: 72.25 Mbit/s

95th percentile per-packet one-way delay: 134.934 ms

Loss rate: 3.47%

-- Flow 2:

Average throughput: 14.74 Mbit/s

95th percentile per-packet one-way delay: 135.925 ms

Loss rate: 3.13%

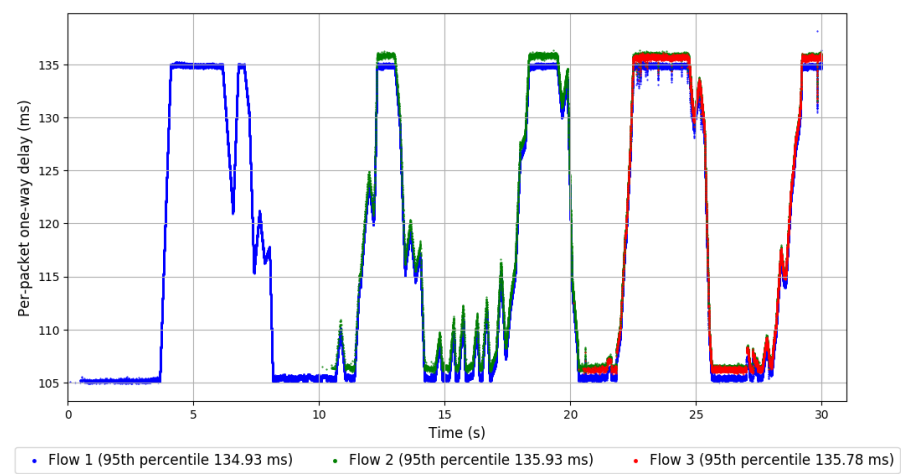
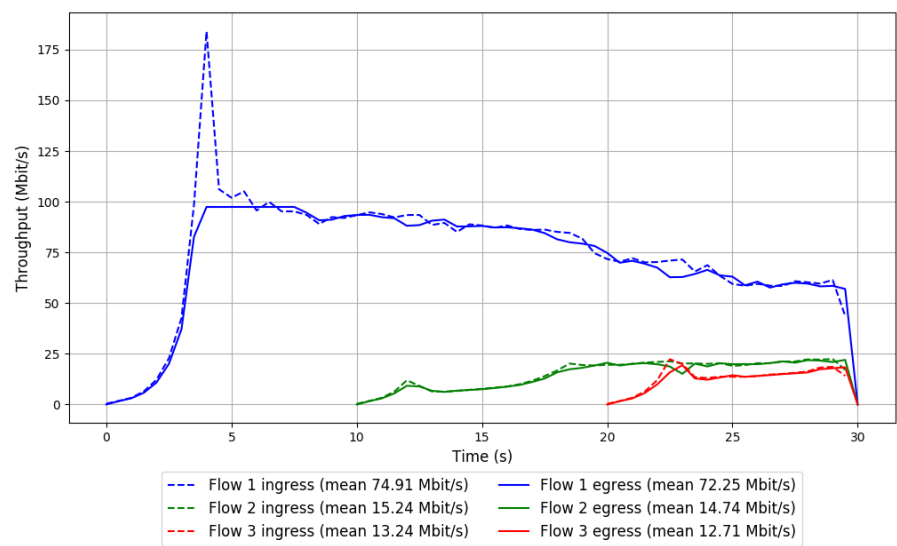
-- Flow 3:

Average throughput: 12.71 Mbit/s

95th percentile per-packet one-way delay: 135.780 ms

Loss rate: 3.87%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 23:06:23

End at: 2018-04-03 23:06:53

Local clock offset: -5.537 ms

Remote clock offset: 12.07 ms

Below is generated by plot.py at 2018-04-04 01:55:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 132.412 ms

Loss rate: 2.73%

-- Flow 1:

Average throughput: 77.09 Mbit/s

95th percentile per-packet one-way delay: 132.422 ms

Loss rate: 2.82%

-- Flow 2:

Average throughput: 9.74 Mbit/s

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

Loss rate: 1.86%

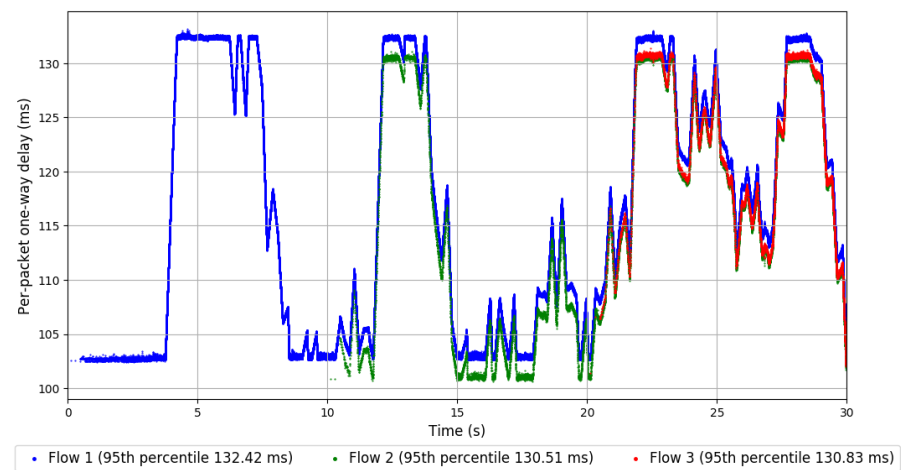
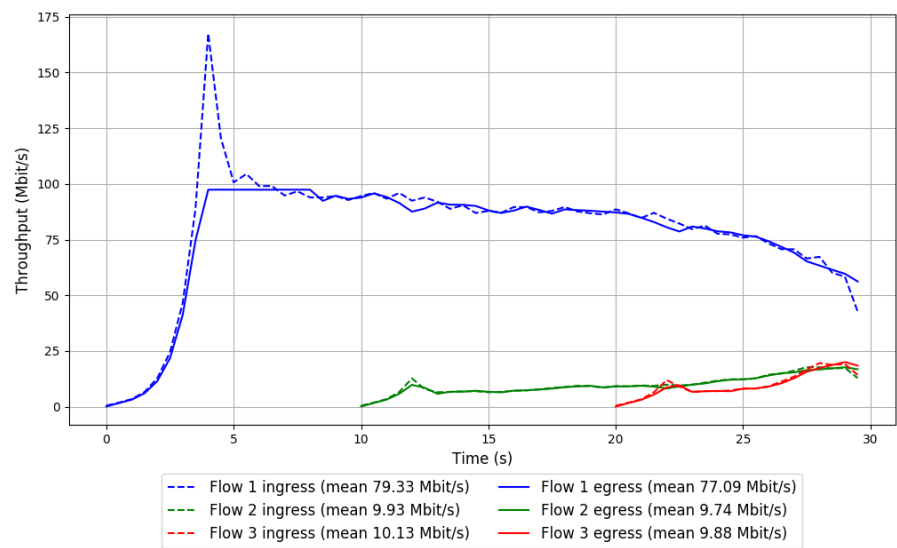
-- Flow 3:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 130.831 ms

Loss rate: 2.38%

Run 6: Report of Vivace-LTE — Data Link

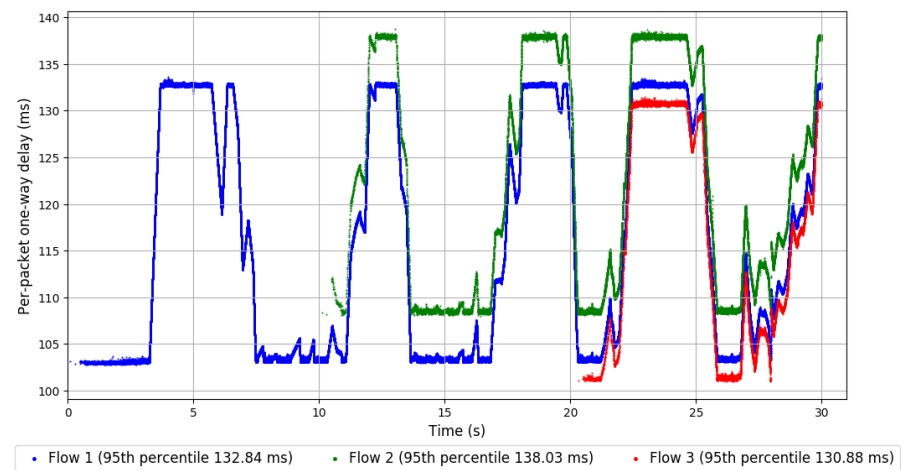
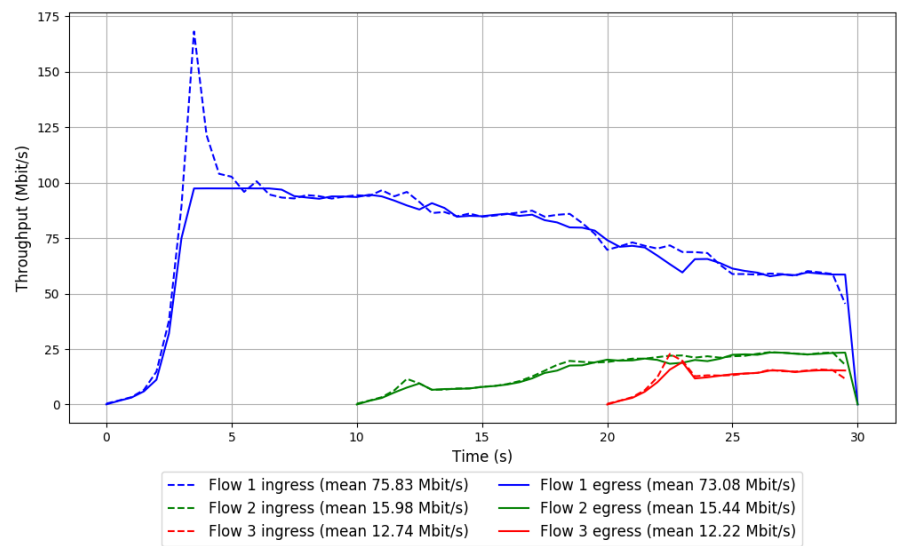


Run 7: Statistics of Vivace-LTE

Start at: 2018-04-03 23:30:09
End at: 2018-04-03 23:30:39
Local clock offset: -7.306 ms
Remote clock offset: 11.607 ms

Below is generated by plot.py at 2018-04-04 01:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 132.924 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 73.08 Mbit/s
95th percentile per-packet one-way delay: 132.840 ms
Loss rate: 3.53%
-- Flow 2:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 138.026 ms
Loss rate: 3.27%
-- Flow 3:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 130.876 ms
Loss rate: 3.98%

Run 7: Report of Vivace-LTE — Data Link

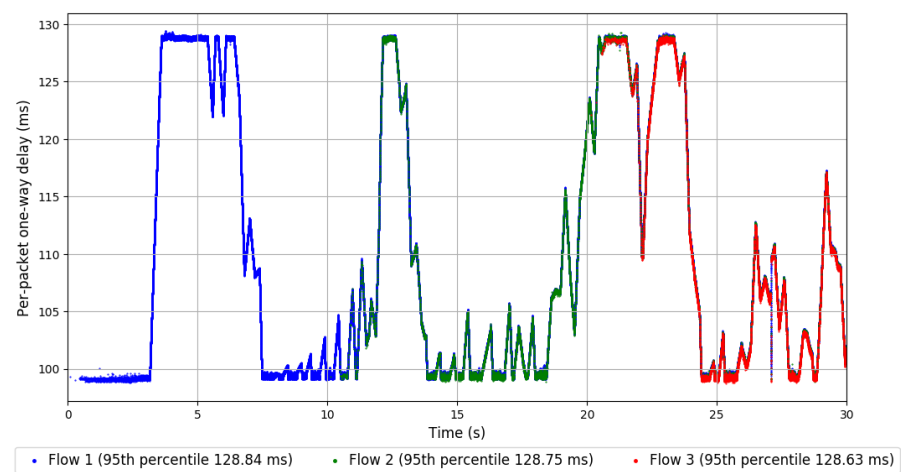
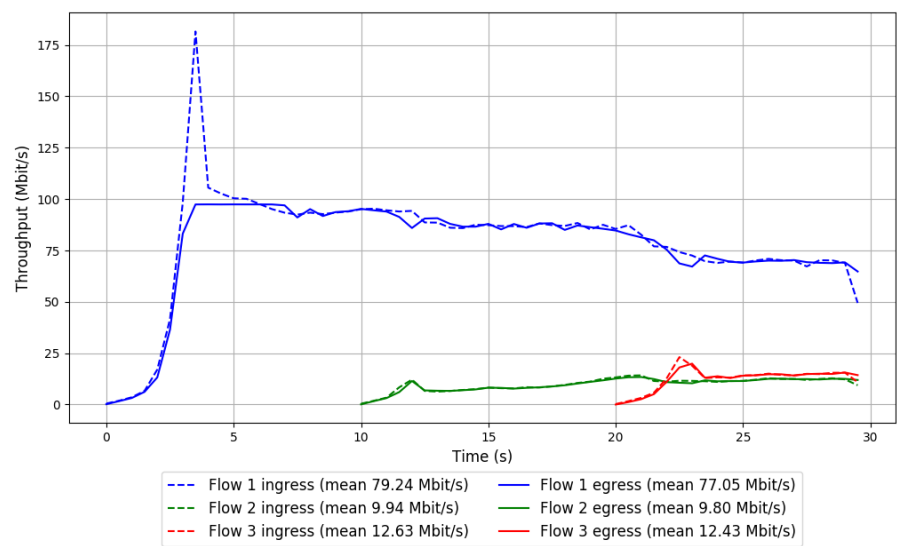


Run 8: Statistics of Vivace-LTE

Start at: 2018-04-03 23:54:09
End at: 2018-04-03 23:54:39
Local clock offset: -7.861 ms
Remote clock offset: 10.489 ms

Below is generated by plot.py at 2018-04-04 01:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 128.832 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 128.840 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 128.746 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 128.630 ms
Loss rate: 1.81%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-04-04 00:18:17

End at: 2018-04-04 00:18:47

Local clock offset: 2.7 ms

Remote clock offset: 11.47 ms

Below is generated by plot.py at 2018-04-04 01:56:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 121.999 ms

Loss rate: 3.04%

-- Flow 1:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 122.012 ms

Loss rate: 3.23%

-- Flow 2:

Average throughput: 17.10 Mbit/s

95th percentile per-packet one-way delay: 120.501 ms

Loss rate: 2.04%

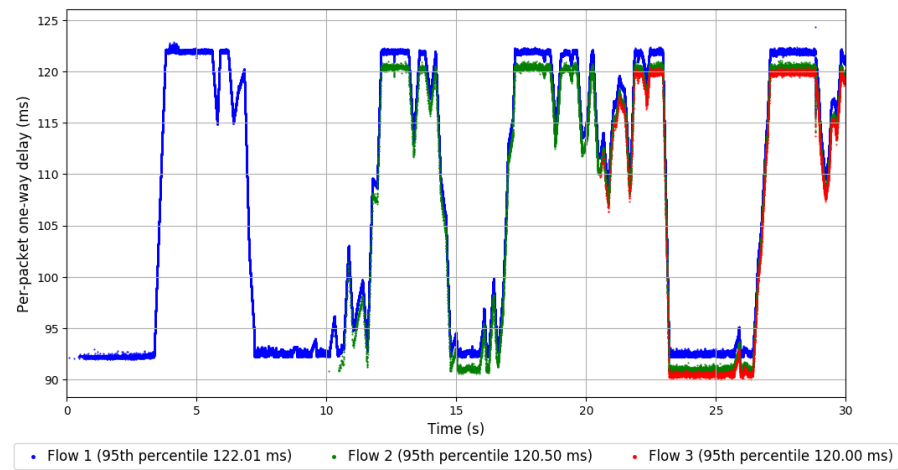
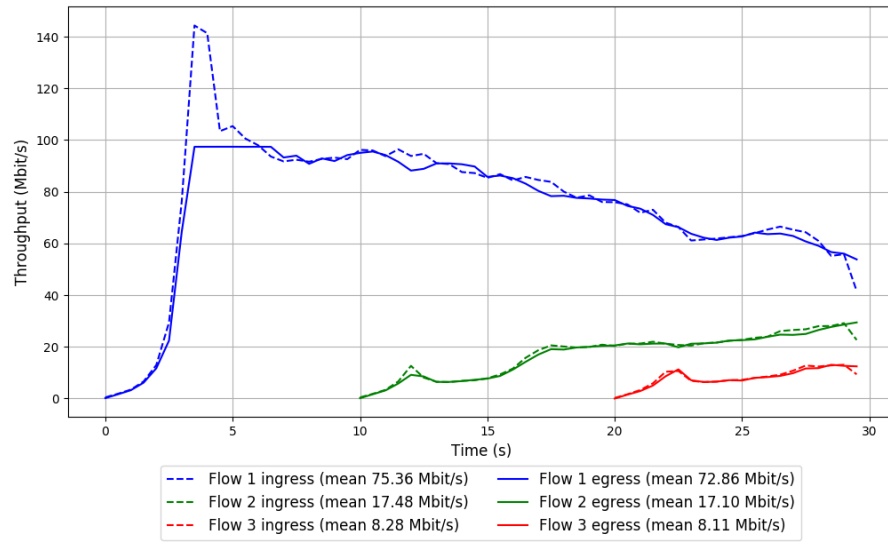
-- Flow 3:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 120.005 ms

Loss rate: 2.04%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-04 00:42:19

End at: 2018-04-04 00:42:49

Local clock offset: -6.355 ms

Remote clock offset: 11.3 ms

Below is generated by plot.py at 2018-04-04 01:56:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.75 Mbit/s

95th percentile per-packet one-way delay: 130.879 ms

Loss rate: 3.06%

-- Flow 1:

Average throughput: 73.29 Mbit/s

95th percentile per-packet one-way delay: 130.892 ms

Loss rate: 3.19%

-- Flow 2:

Average throughput: 16.99 Mbit/s

95th percentile per-packet one-way delay: 127.517 ms

Loss rate: 2.24%

-- Flow 3:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 129.645 ms

Loss rate: 3.05%

Run 10: Report of Vivace-LTE — Data Link

