

Pantheon Report

Generated at 2017-09-22 04:10:03 (UTC).

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

Repeated the test of 14 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).

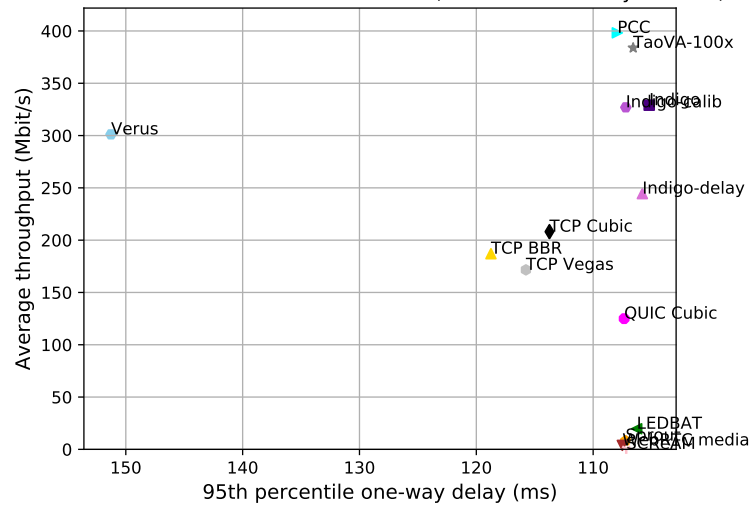
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

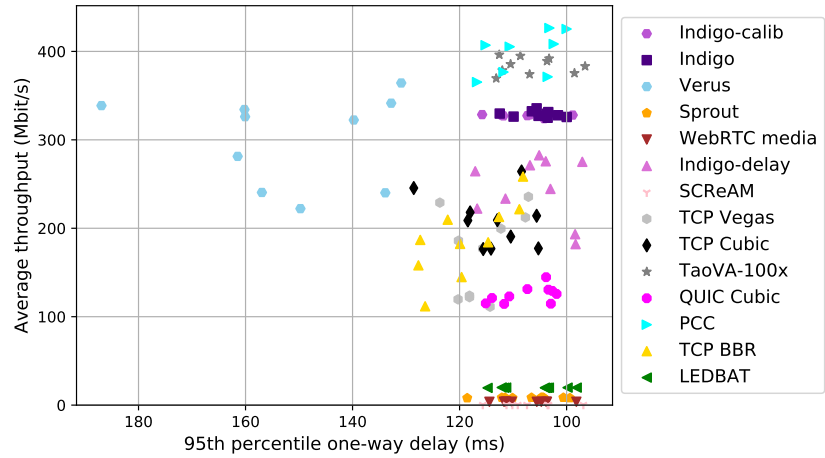
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	87.94	104.24	89.60	183.65	118.67	119.09	0.02	0.02	0.01
TCP Cubic	10	112.34	99.27	90.14	114.00	112.81	110.95	0.02	0.01	0.01
LEDBAT	10	12.75	8.41	4.11	105.56	105.56	105.47	0.00	0.00	0.00
PCC	8	297.09	119.29	66.29	108.36	107.71	106.75	10.75	12.78	11.39
QUIC Cubic	10	65.51	60.05	59.80	106.11	106.73	106.96	0.00	0.01	0.01
SCReAM	8	0.22	0.22	0.22	105.99	106.53	106.30	0.00	0.00	0.00
WebRTC media	10	2.10	1.29	0.42	106.68	106.87	107.34	0.00	0.00	0.00
Sprout	10	4.40	4.10	3.58	106.96	106.21	106.44	0.00	0.00	0.01
TaoVA-100x	10	223.72	195.06	123.53	106.06	105.98	120.66	1.46	2.44	5.99
TCP Vegas	10	84.42	87.50	87.84	114.65	114.05	114.08	0.01	0.04	0.01
Verus	10	181.36	137.20	89.45	152.60	141.86	149.02	6.28	6.55	16.64
Indigo	10	175.05	163.82	139.71	104.47	104.94	104.96	0.54	0.89	2.03
Indigo-calib	9	172.91	164.09	139.32	106.34	106.55	106.81	1.18	1.86	4.36
Indigo-delay	10	137.45	118.70	87.35	105.06	105.08	105.05	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2017-09-21 23:05:49

End at: 2017-09-21 23:06:19

Local clock offset: 0.043 ms

Remote clock offset: 25.45 ms

Below is generated by plot.py at 2017-09-22 03:17:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 158.10 Mbit/s

95th percentile per-packet one-way delay: 127.693 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 127.821 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 73.44 Mbit/s

95th percentile per-packet one-way delay: 128.203 ms

Loss rate: 0.02%

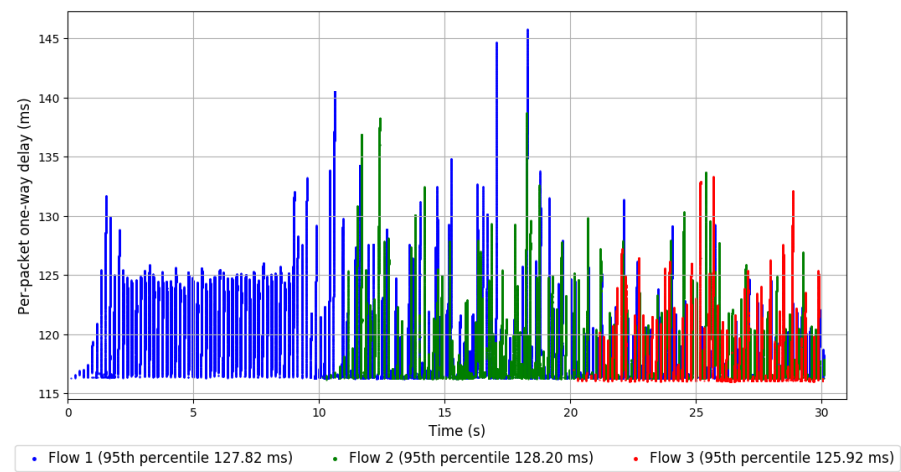
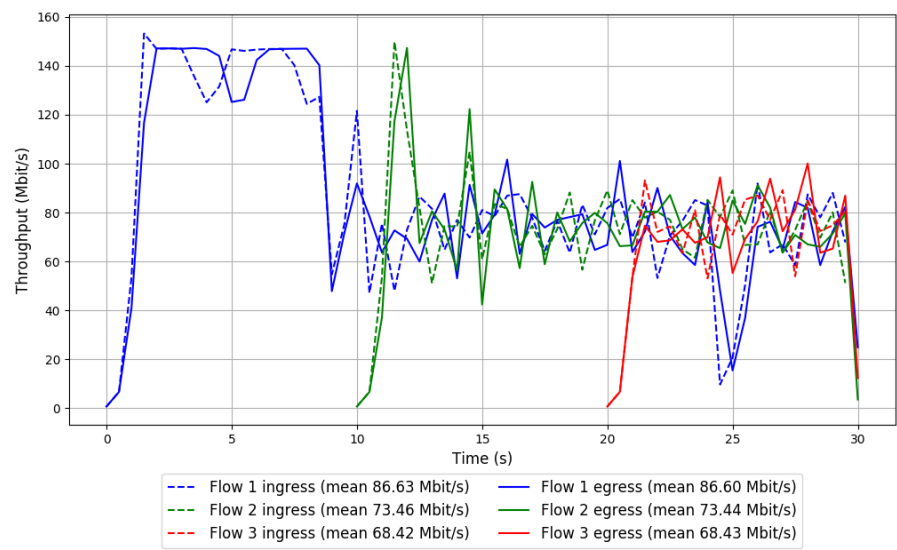
-- Flow 3:

Average throughput: 68.43 Mbit/s

95th percentile per-packet one-way delay: 125.919 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

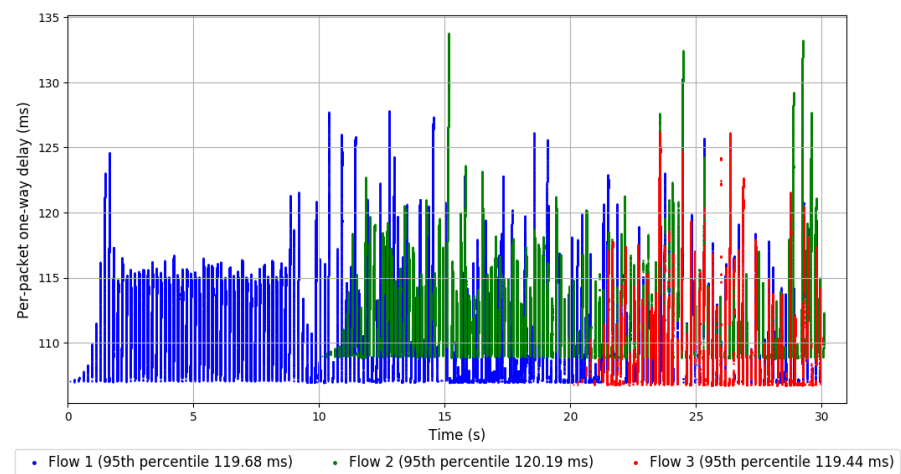
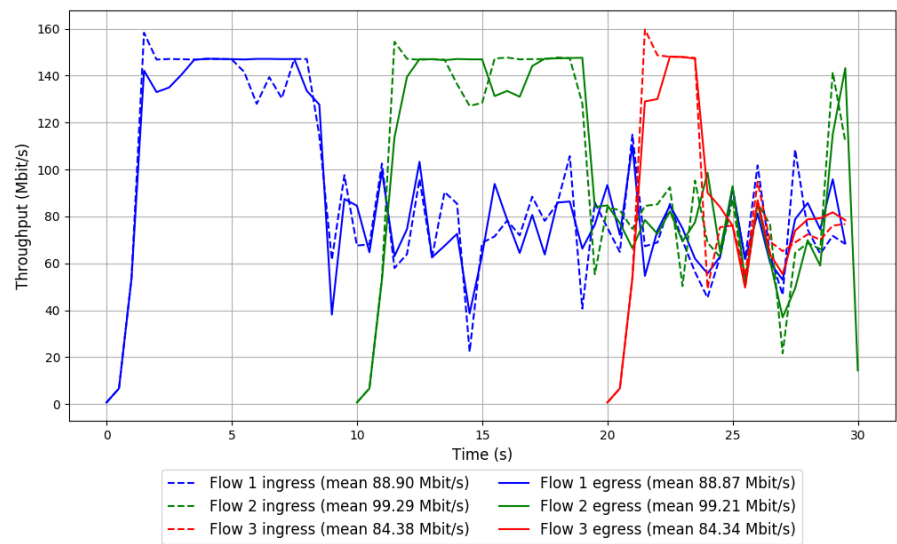


Run 2: Statistics of TCP BBR

Start at: 2017-09-21 23:26:26
End at: 2017-09-21 23:26:56
Local clock offset: 0.026 ms
Remote clock offset: 17.811 ms

Below is generated by plot.py at 2017-09-22 03:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.33 Mbit/s
95th percentile per-packet one-way delay: 119.903 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 119.676 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 99.21 Mbit/s
95th percentile per-packet one-way delay: 120.189 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 119.444 ms
Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link

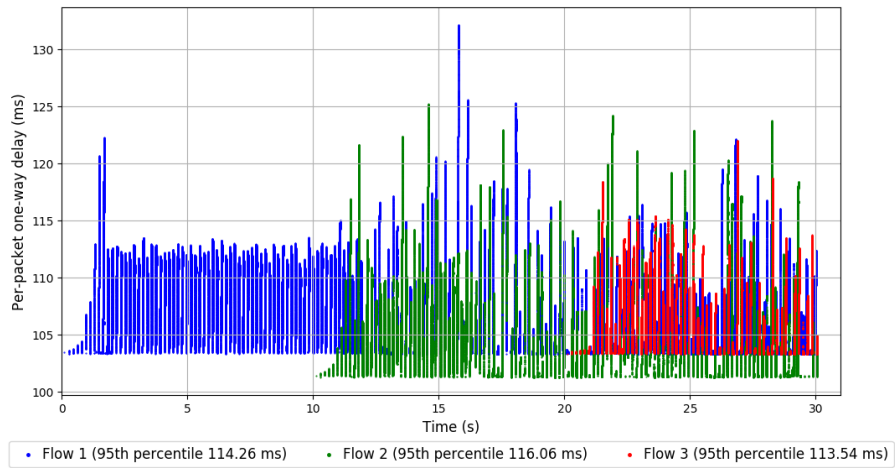
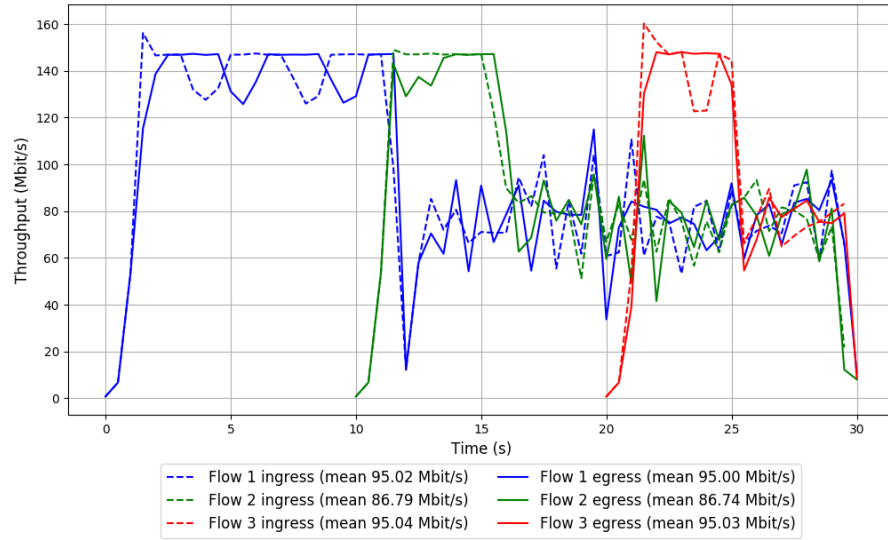


Run 3: Statistics of TCP BBR

Start at: 2017-09-21 23:47:34
End at: 2017-09-21 23:48:04
Local clock offset: 0.102 ms
Remote clock offset: 11.797 ms

Below is generated by plot.py at 2017-09-22 03:17:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.17 Mbit/s
95th percentile per-packet one-way delay: 114.660 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 114.257 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 116.057 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 113.541 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-22 00:08:01

End at: 2017-09-22 00:08:31

Local clock offset: 0.099 ms

Remote clock offset: 6.727 ms

Below is generated by plot.py at 2017-09-22 03:18:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 221.57 Mbit/s

95th percentile per-packet one-way delay: 108.821 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 109.281 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 133.79 Mbit/s

95th percentile per-packet one-way delay: 109.450 ms

Loss rate: 0.00%

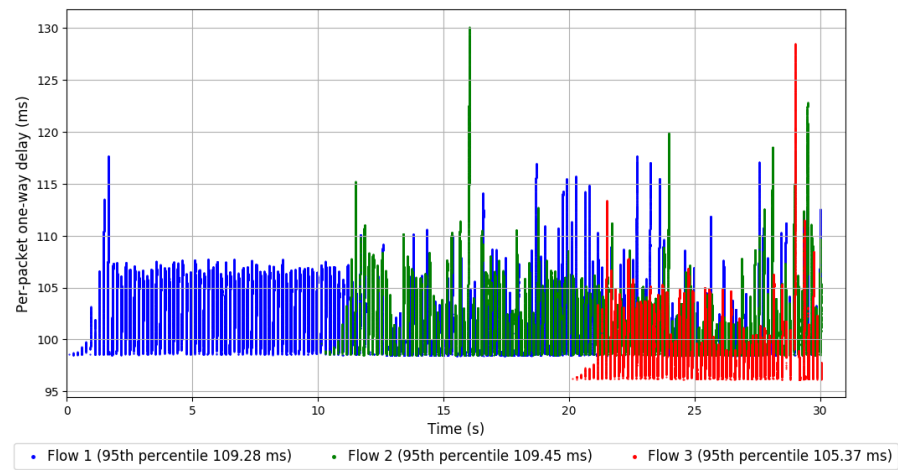
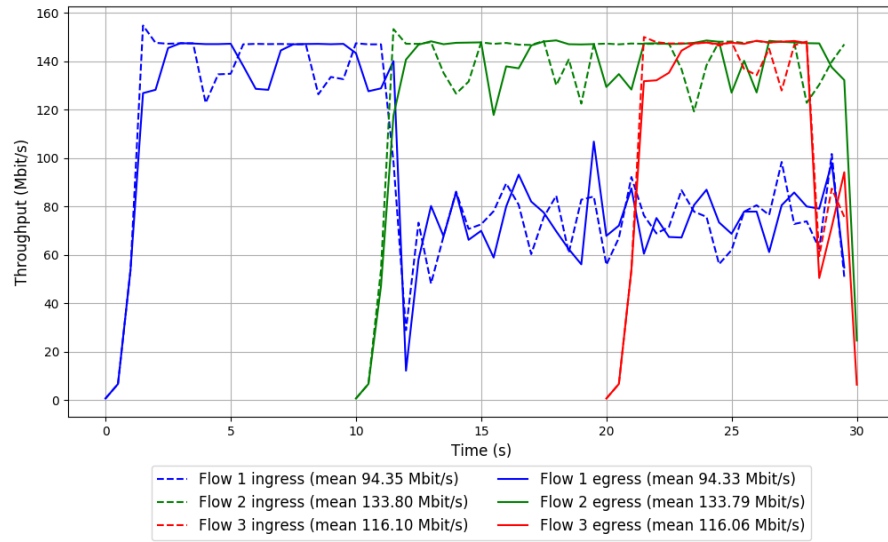
-- Flow 3:

Average throughput: 116.06 Mbit/s

95th percentile per-packet one-way delay: 105.369 ms

Loss rate: 0.03%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-22 00:28:35

End at: 2017-09-22 00:29:05

Local clock offset: 0.099 ms

Remote clock offset: 6.844 ms

Below is generated by plot.py at 2017-09-22 03:19:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.47 Mbit/s

95th percentile per-packet one-way delay: 108.141 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 127.64 Mbit/s

95th percentile per-packet one-way delay: 107.295 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 134.74 Mbit/s

95th percentile per-packet one-way delay: 107.800 ms

Loss rate: 0.00%

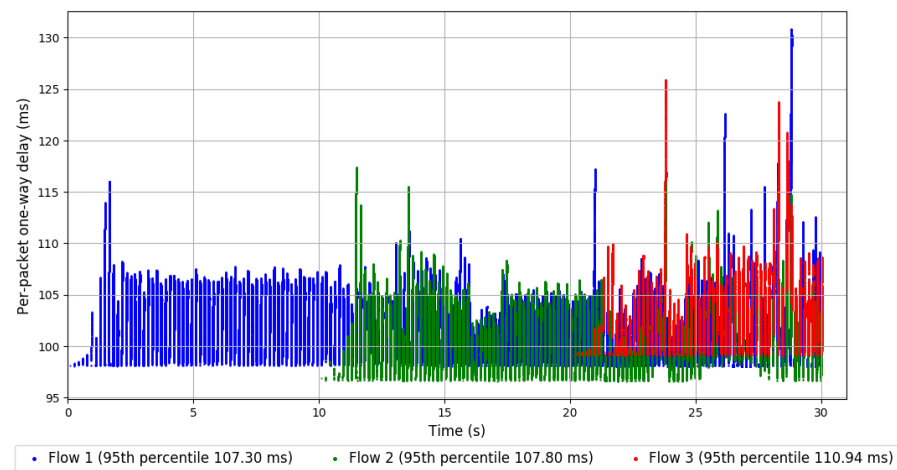
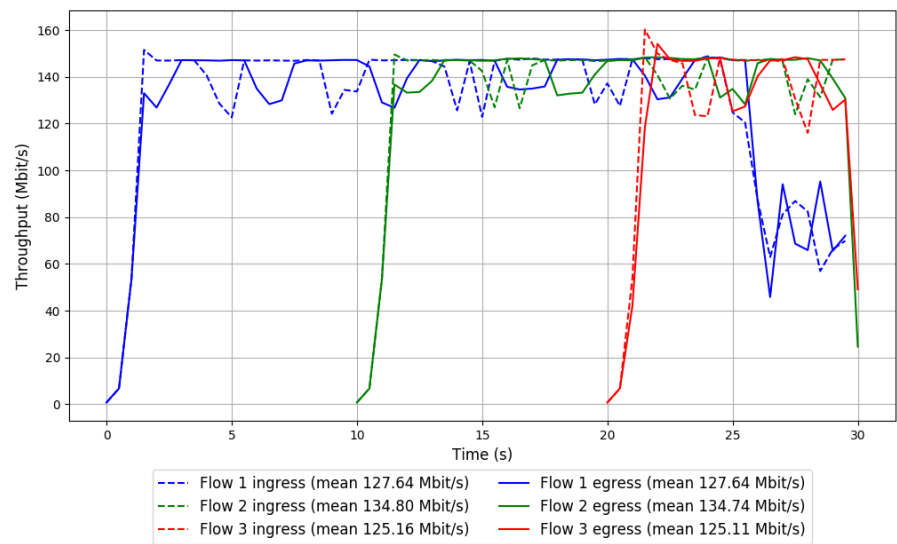
-- Flow 3:

Average throughput: 125.11 Mbit/s

95th percentile per-packet one-way delay: 110.938 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-22 00:49:03

End at: 2017-09-22 00:49:33

Local clock offset: 0.144 ms

Remote clock offset: 11.81 ms

Below is generated by plot.py at 2017-09-22 03:19:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.83 Mbit/s

95th percentile per-packet one-way delay: 112.624 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 103.70 Mbit/s

95th percentile per-packet one-way delay: 112.721 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 130.29 Mbit/s

95th percentile per-packet one-way delay: 111.127 ms

Loss rate: 0.00%

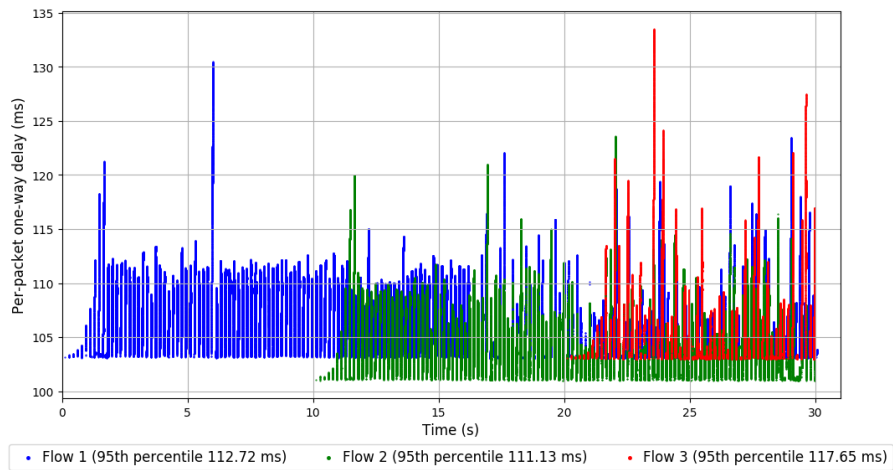
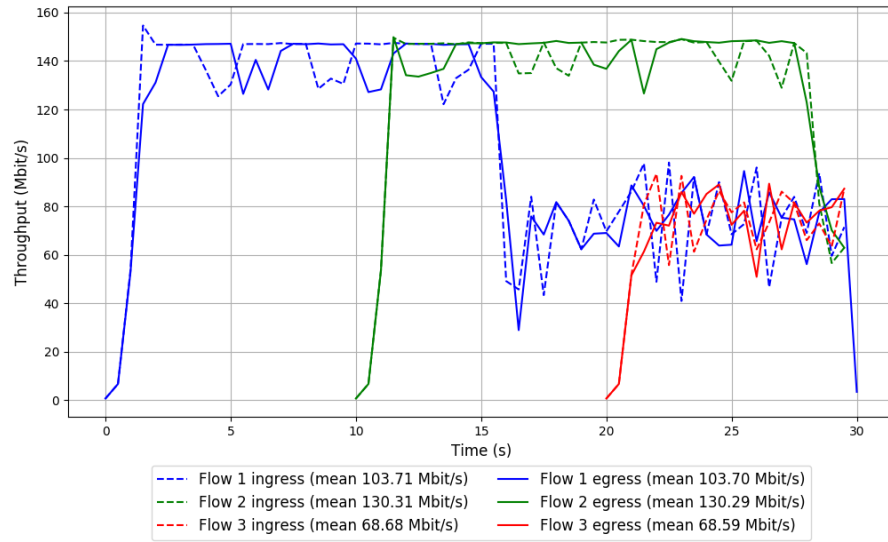
-- Flow 3:

Average throughput: 68.59 Mbit/s

95th percentile per-packet one-way delay: 117.647 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

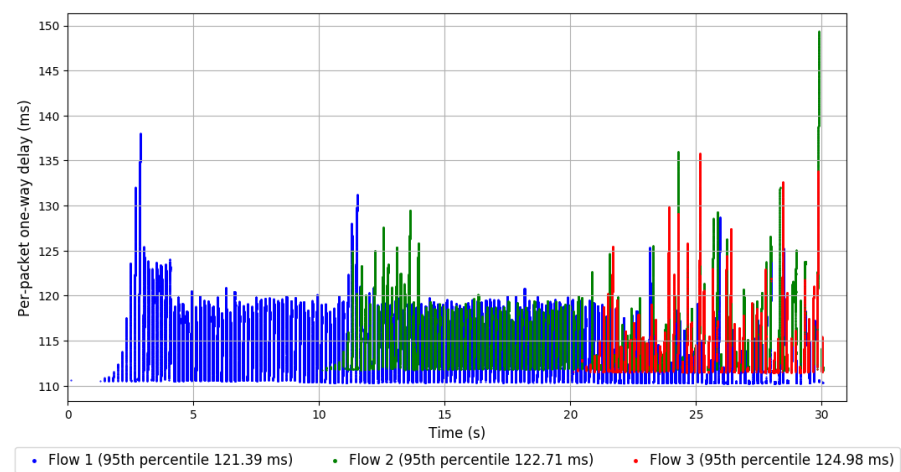
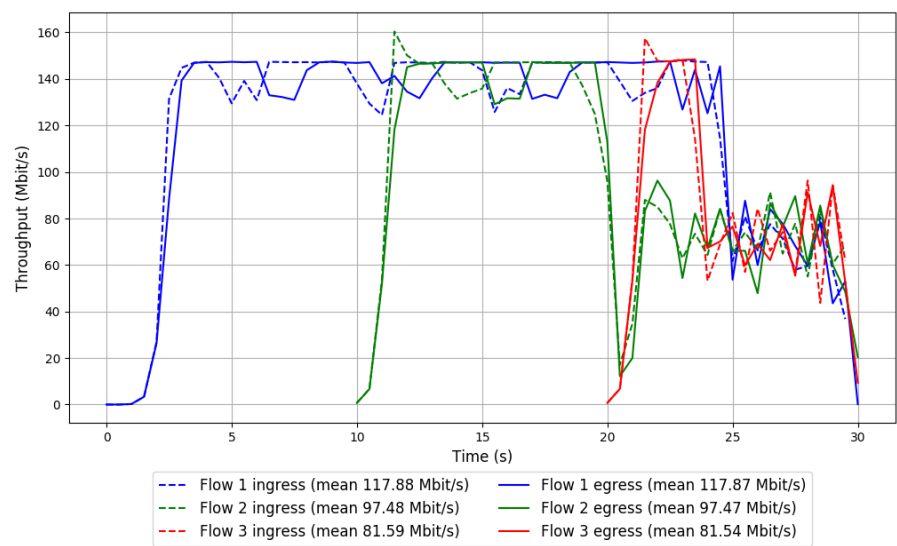


Run 7: Statistics of TCP BBR

Start at: 2017-09-22 01:09:36
End at: 2017-09-22 01:10:06
Local clock offset: 0.032 ms
Remote clock offset: 20.475 ms

Below is generated by plot.py at 2017-09-22 03:19:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.70 Mbit/s
95th percentile per-packet one-way delay: 122.218 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 117.87 Mbit/s
95th percentile per-packet one-way delay: 121.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 122.713 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 124.978 ms
Loss rate: 0.02%

Run 7: Report of TCP BBR — Data Link

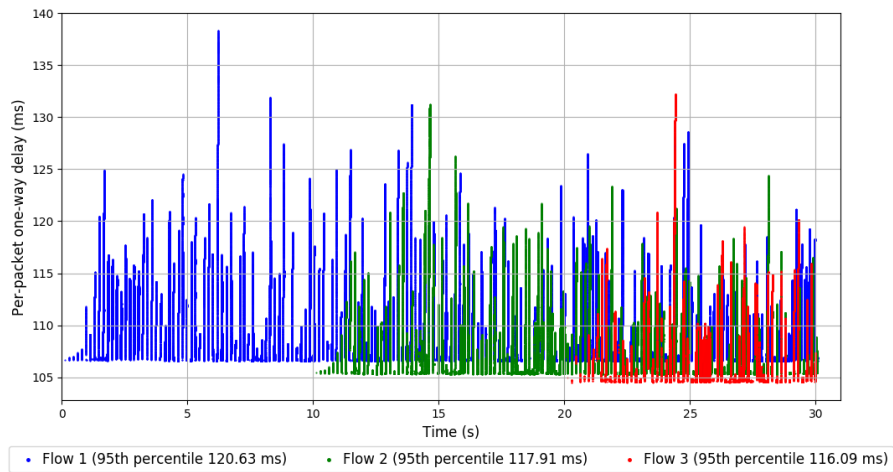
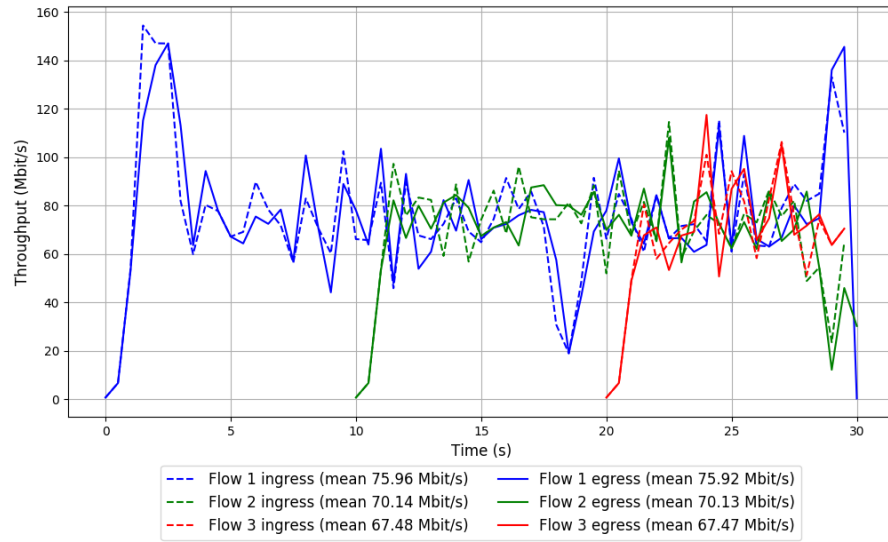


Run 8: Statistics of TCP BBR

Start at: 2017-09-22 01:29:48
End at: 2017-09-22 01:30:18
Local clock offset: 0.108 ms
Remote clock offset: 15.655 ms

Below is generated by plot.py at 2017-09-22 03:19:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.82 Mbit/s
95th percentile per-packet one-way delay: 119.627 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 75.92 Mbit/s
95th percentile per-packet one-way delay: 120.628 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 117.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.47 Mbit/s
95th percentile per-packet one-way delay: 116.088 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-09-22 01:50:21

End at: 2017-09-22 01:50:51

Local clock offset: 0.038 ms

Remote clock offset: 25.02 ms

Below is generated by plot.py at 2017-09-22 03:19:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.85 Mbit/s

95th percentile per-packet one-way delay: 127.347 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 125.515 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 98.15 Mbit/s

95th percentile per-packet one-way delay: 128.355 ms

Loss rate: 0.01%

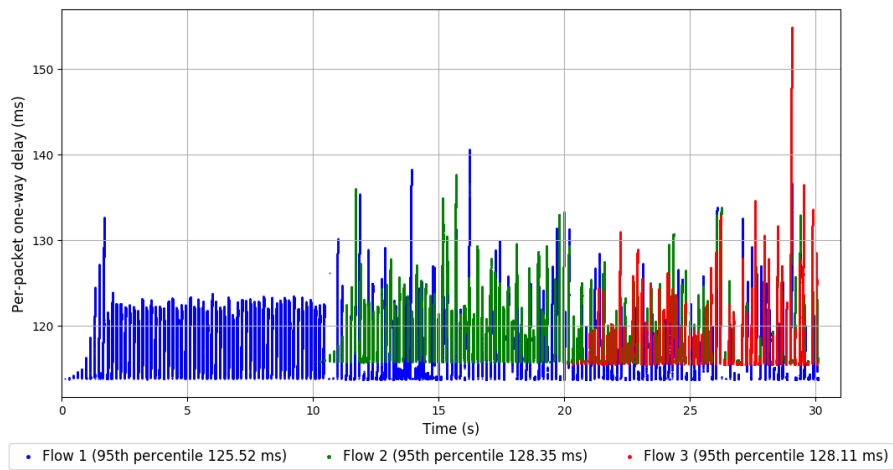
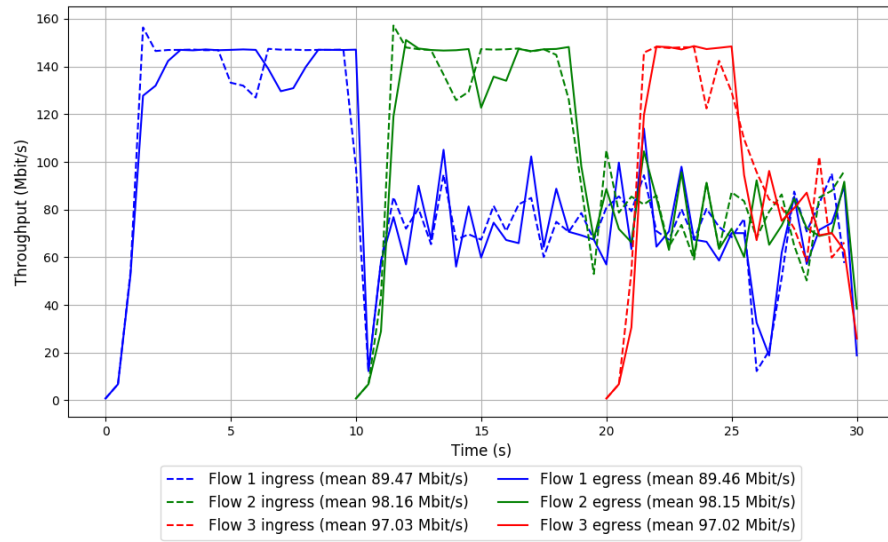
-- Flow 3:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 128.110 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

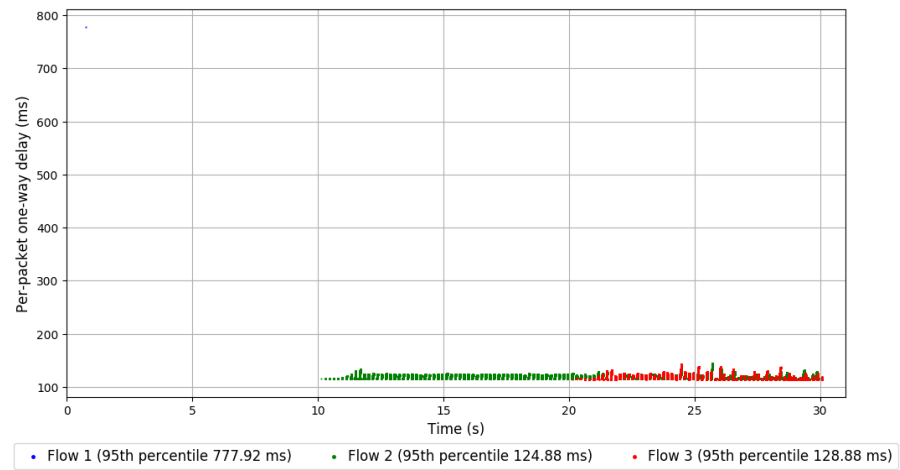
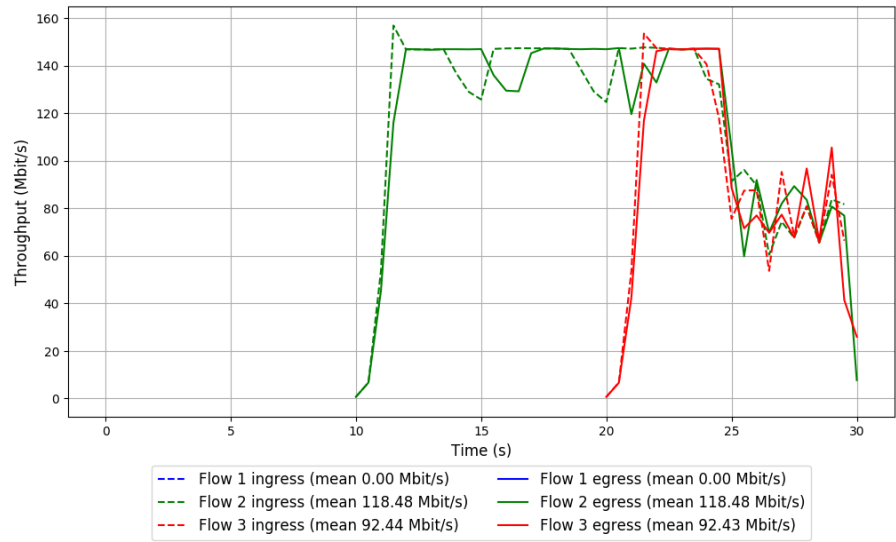


Run 10: Statistics of TCP BBR

Start at: 2017-09-22 02:10:58
End at: 2017-09-22 02:11:28
Local clock offset: 0.009 ms
Remote clock offset: 25.847 ms

Below is generated by plot.py at 2017-09-22 03:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.77 Mbit/s
95th percentile per-packet one-way delay: 126.437 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 777.917 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.48 Mbit/s
95th percentile per-packet one-way delay: 124.878 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 128.875 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

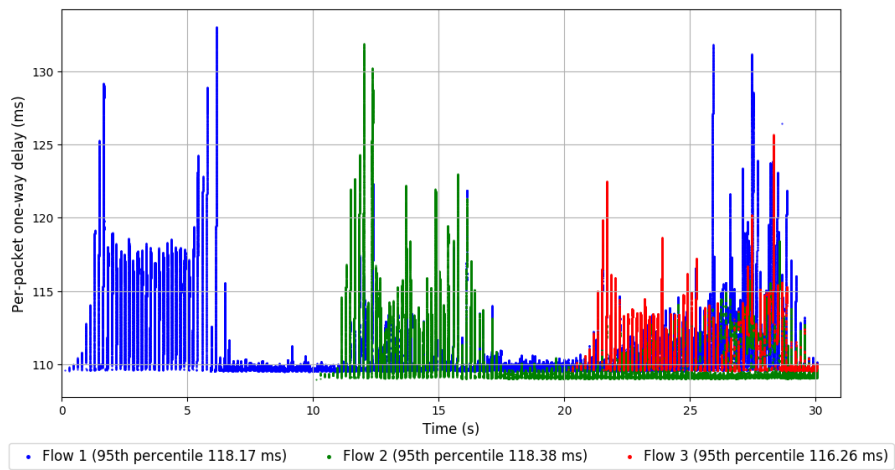
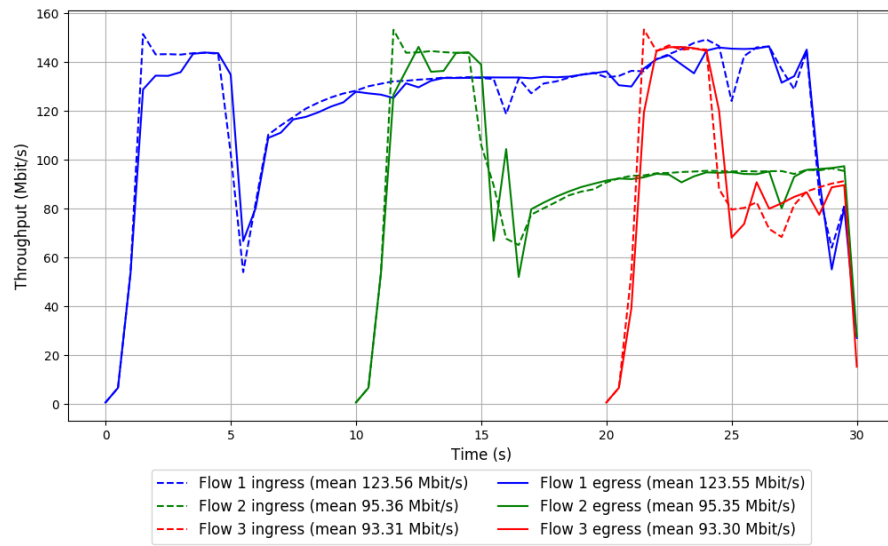


Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 23:02:41
End at: 2017-09-21 23:03:11
Local clock offset: 0.039 ms
Remote clock offset: 20.559 ms

Below is generated by plot.py at 2017-09-22 03:21:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.93 Mbit/s
95th percentile per-packet one-way delay: 118.021 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 123.55 Mbit/s
95th percentile per-packet one-way delay: 118.171 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 118.381 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 116.258 ms
Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 23:23:16

End at: 2017-09-21 23:23:46

Local clock offset: 0.094 ms

Remote clock offset: 8.48 ms

Below is generated by plot.py at 2017-09-22 03:21:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.13 Mbit/s

95th percentile per-packet one-way delay: 105.600 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 105.92 Mbit/s

95th percentile per-packet one-way delay: 105.994 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 119.29 Mbit/s

95th percentile per-packet one-way delay: 103.755 ms

Loss rate: 0.05%

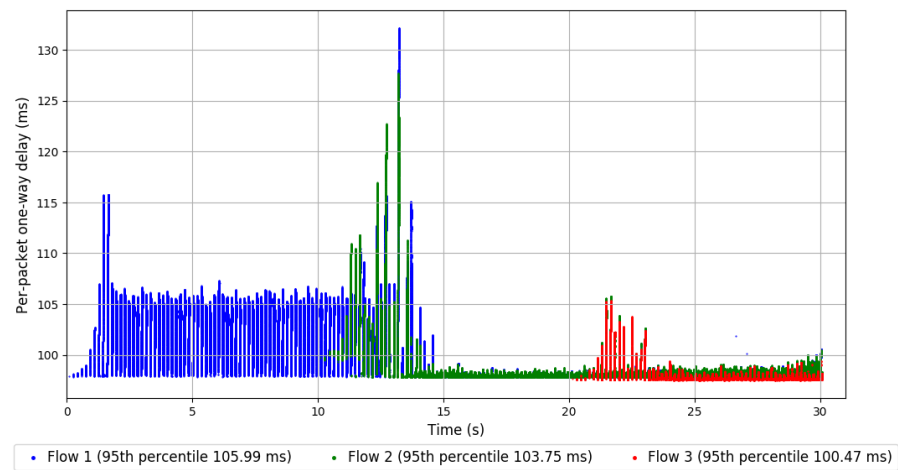
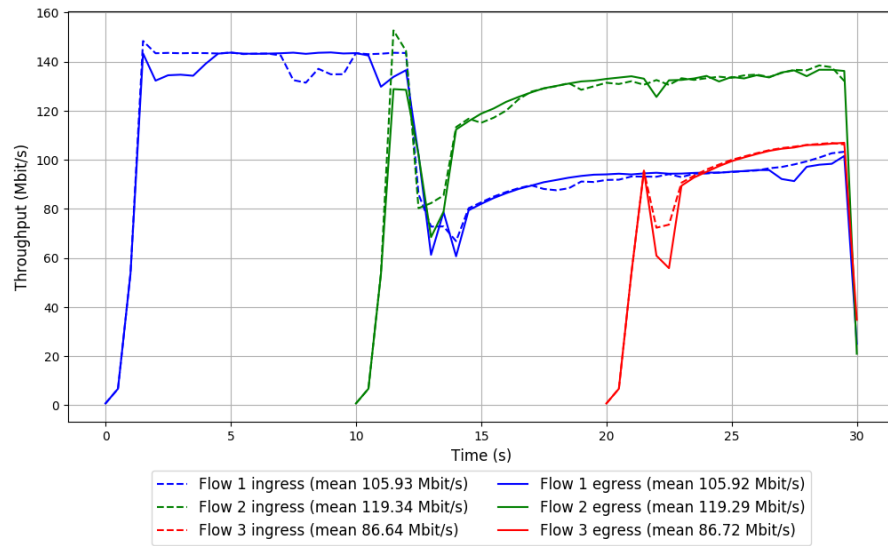
-- Flow 3:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 100.475 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 23:44:08

End at: 2017-09-21 23:44:38

Local clock offset: 0.095 ms

Remote clock offset: 11.95 ms

Below is generated by plot.py at 2017-09-22 03:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.23 Mbit/s

95th percentile per-packet one-way delay: 112.931 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 130.61 Mbit/s

95th percentile per-packet one-way delay: 113.665 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 87.94 Mbit/s

95th percentile per-packet one-way delay: 109.415 ms

Loss rate: 0.01%

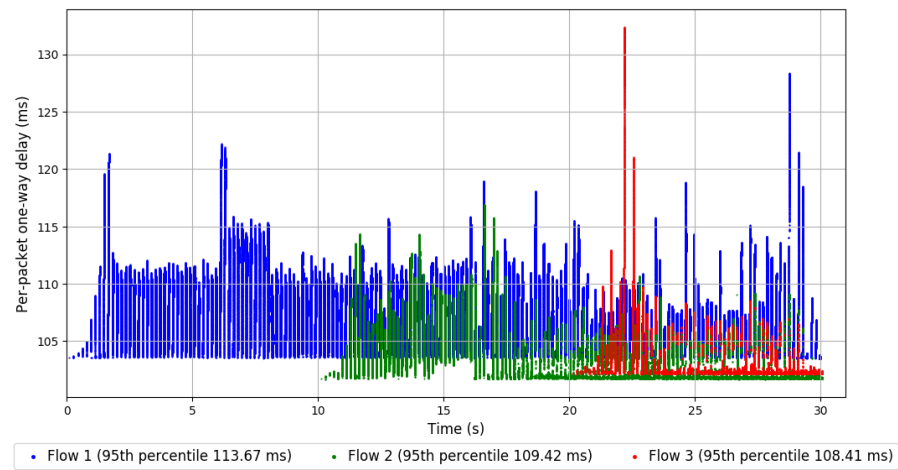
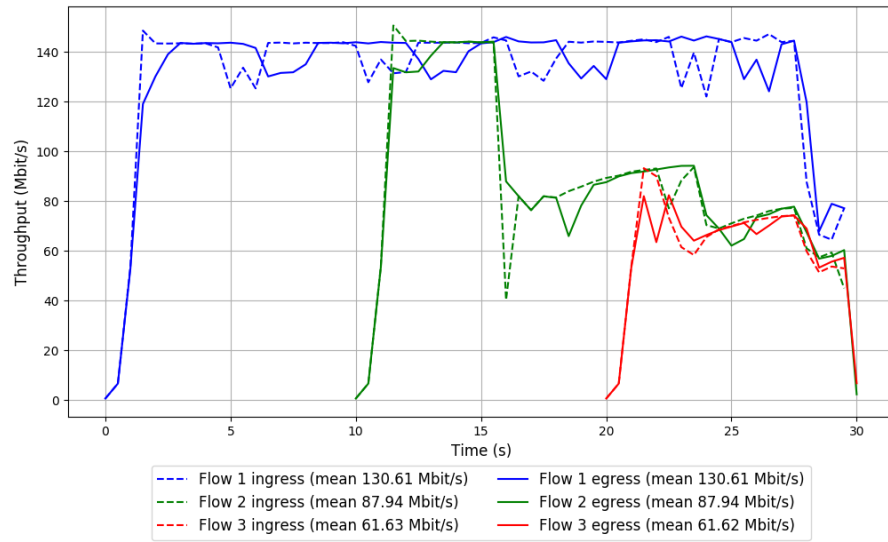
-- Flow 3:

Average throughput: 61.62 Mbit/s

95th percentile per-packet one-way delay: 108.406 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link

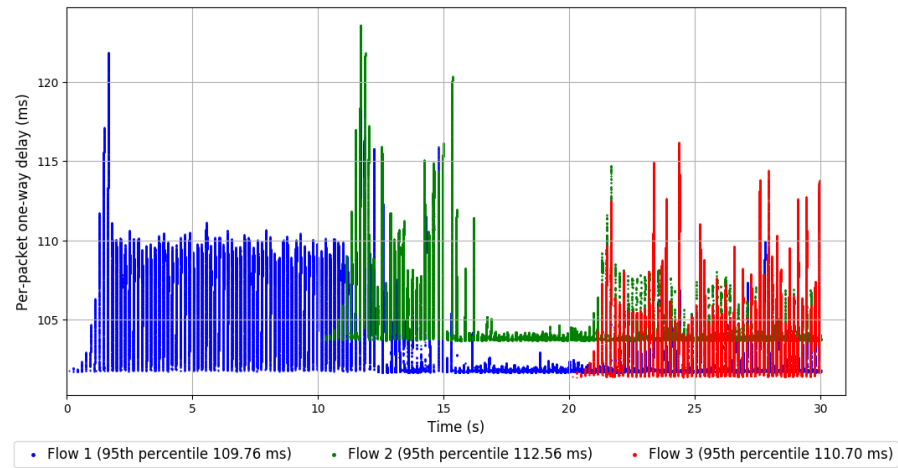
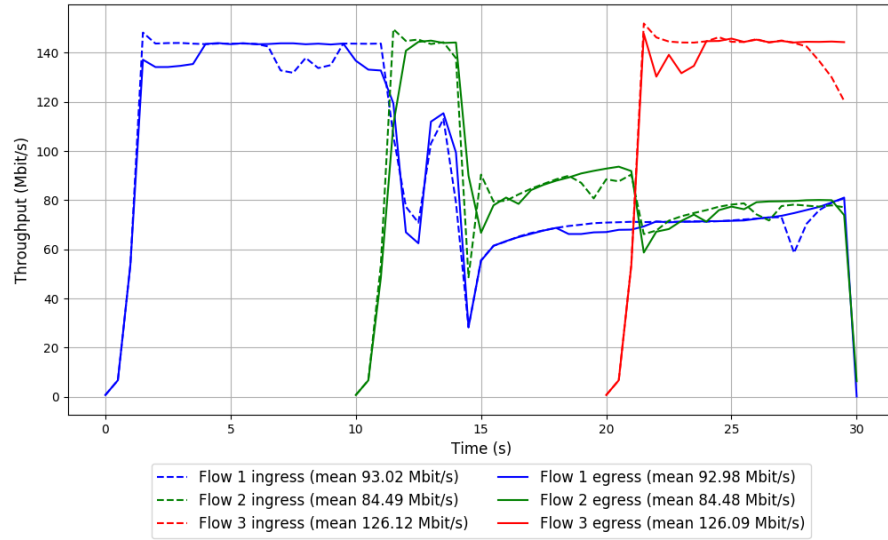


Run 4: Statistics of TCP Cubic

Start at: 2017-09-22 00:04:58
End at: 2017-09-22 00:05:28
Local clock offset: 0.077 ms
Remote clock offset: 11.676 ms

Below is generated by plot.py at 2017-09-22 03:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.59 Mbit/s
95th percentile per-packet one-way delay: 110.439 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 109.761 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 112.558 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 126.09 Mbit/s
95th percentile per-packet one-way delay: 110.701 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-09-22 00:25:34

End at: 2017-09-22 00:26:04

Local clock offset: 0.042 ms

Remote clock offset: 6.869 ms

Below is generated by plot.py at 2017-09-22 03:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.24 Mbit/s

95th percentile per-packet one-way delay: 105.269 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 96.66 Mbit/s

95th percentile per-packet one-way delay: 108.342 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 100.427 ms

Loss rate: 0.00%

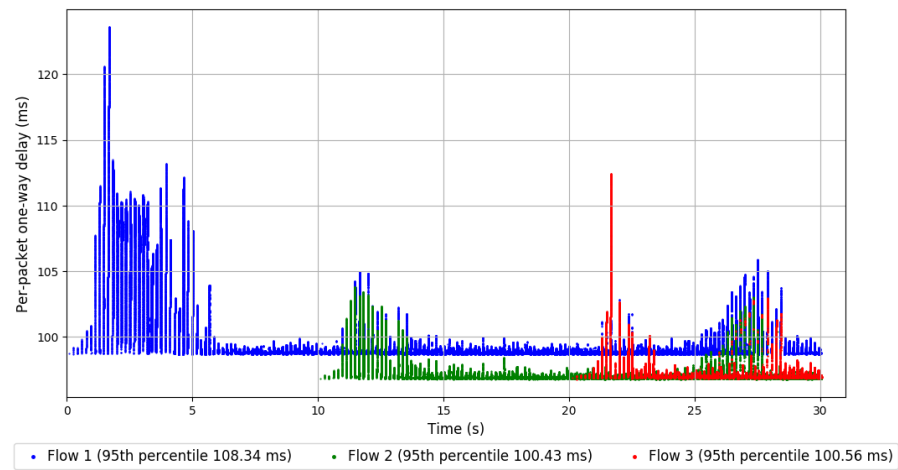
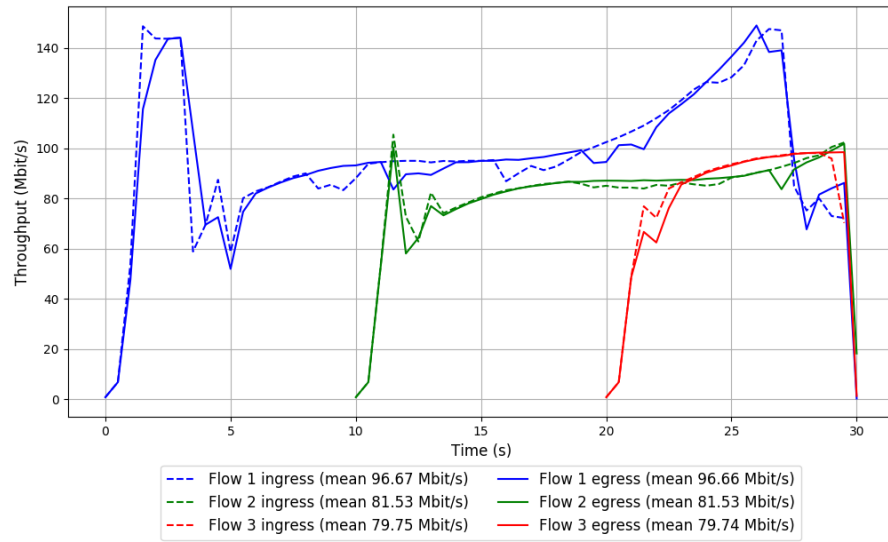
-- Flow 3:

Average throughput: 79.74 Mbit/s

95th percentile per-packet one-way delay: 100.562 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-09-22 00:45:56

End at: 2017-09-22 00:46:26

Local clock offset: 0.127 ms

Remote clock offset: 6.75 ms

Below is generated by plot.py at 2017-09-22 03:23:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.22 Mbit/s

95th percentile per-packet one-way delay: 108.416 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 135.50 Mbit/s

95th percentile per-packet one-way delay: 108.322 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 132.94 Mbit/s

95th percentile per-packet one-way delay: 108.316 ms

Loss rate: 0.00%

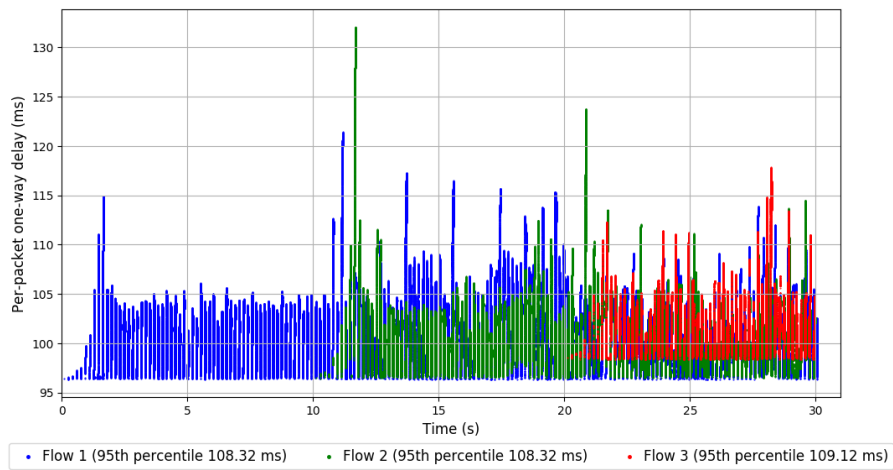
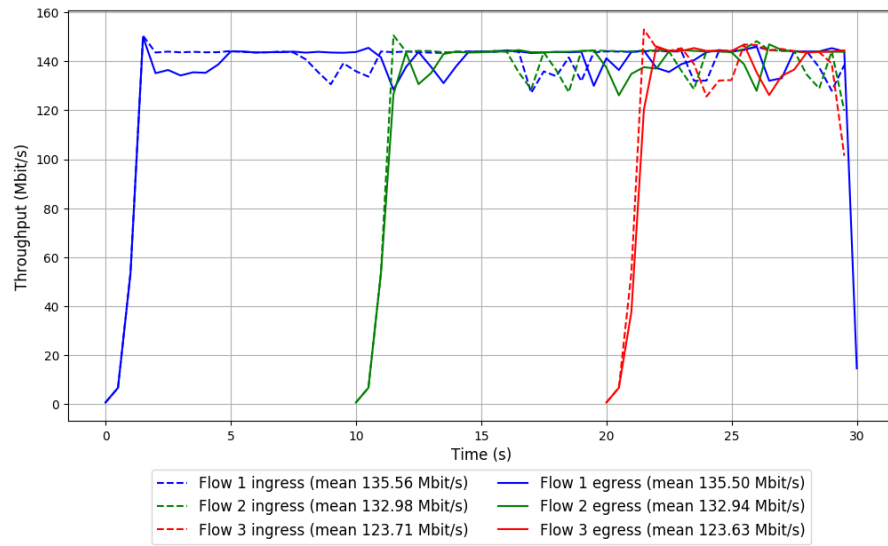
-- Flow 3:

Average throughput: 123.63 Mbit/s

95th percentile per-packet one-way delay: 109.125 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

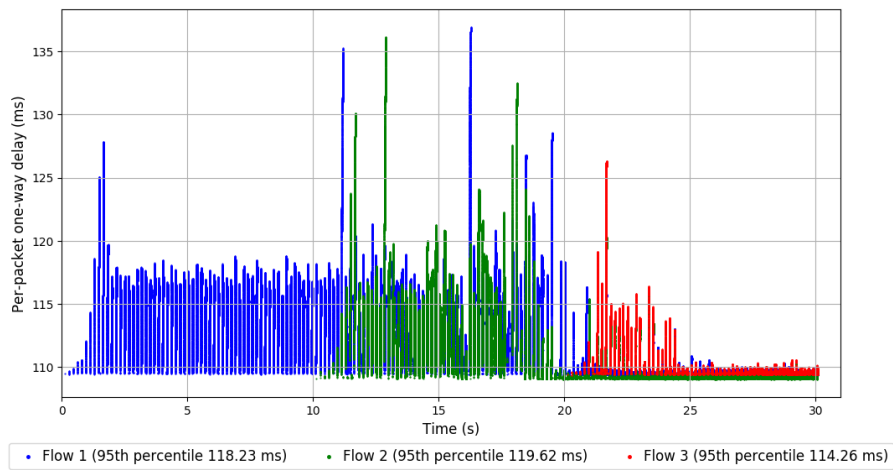
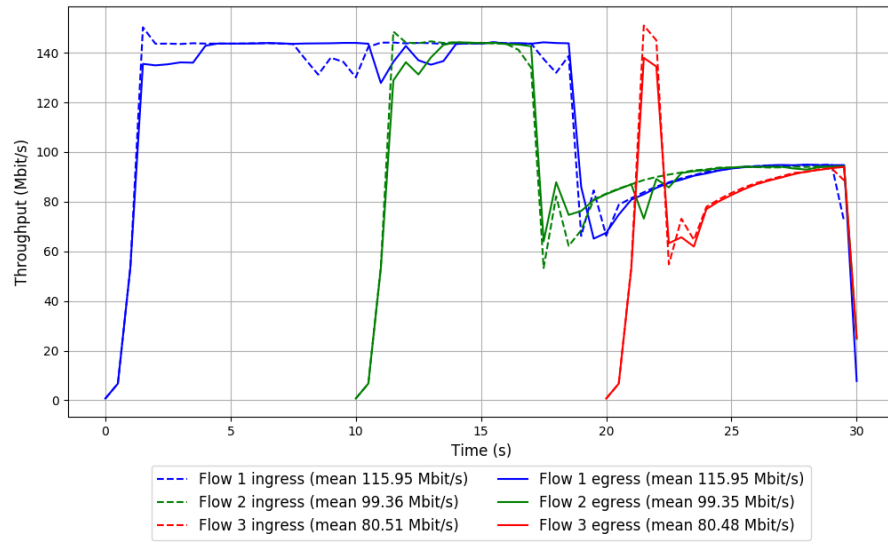


Run 7: Statistics of TCP Cubic

Start at: 2017-09-22 01:06:32
End at: 2017-09-22 01:07:02
Local clock offset: 0.086 ms
Remote clock offset: 20.032 ms

Below is generated by plot.py at 2017-09-22 03:23:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 208.80 Mbit/s
95th percentile per-packet one-way delay: 118.455 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 115.95 Mbit/s
95th percentile per-packet one-way delay: 118.226 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.35 Mbit/s
95th percentile per-packet one-way delay: 119.624 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 114.264 ms
Loss rate: 0.03%

Run 7: Report of TCP Cubic — Data Link

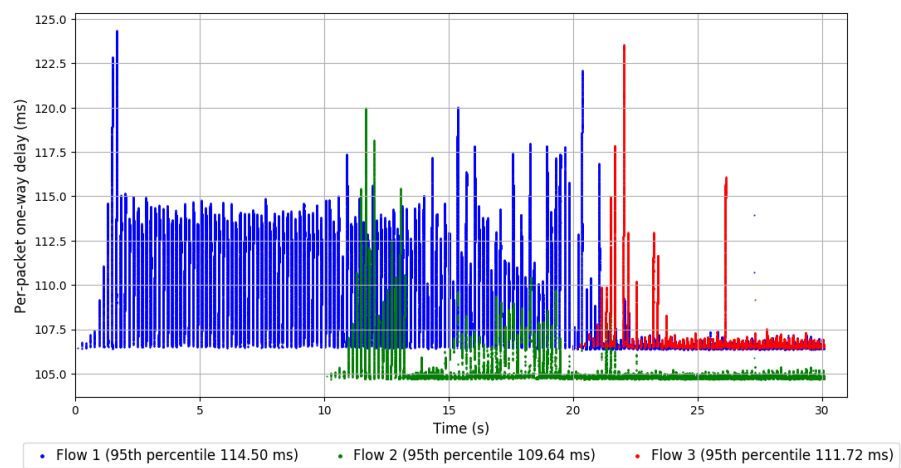
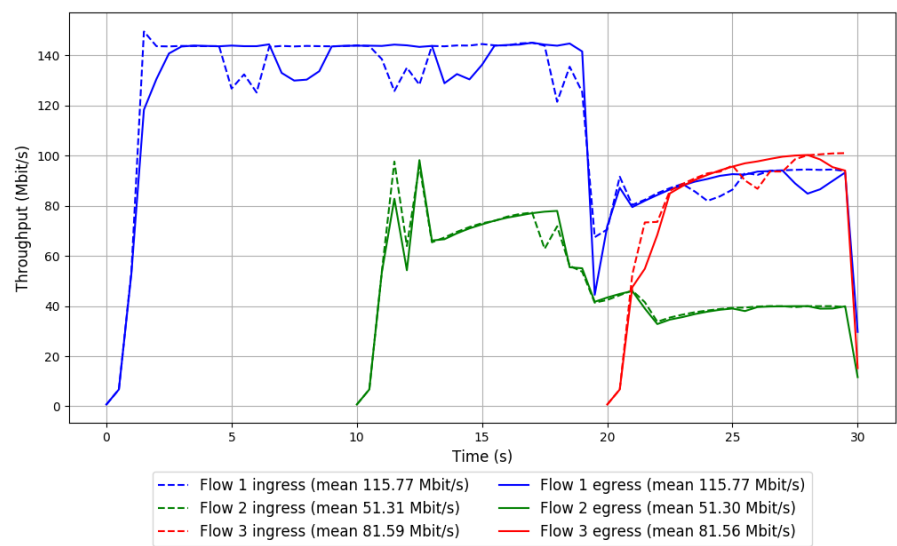


Run 8: Statistics of TCP Cubic

Start at: 2017-09-22 01:26:45
End at: 2017-09-22 01:27:15
Local clock offset: 0.108 ms
Remote clock offset: 15.722 ms

Below is generated by plot.py at 2017-09-22 03:23:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.95 Mbit/s
95th percentile per-packet one-way delay: 114.130 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 115.77 Mbit/s
95th percentile per-packet one-way delay: 114.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.30 Mbit/s
95th percentile per-packet one-way delay: 109.644 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 111.720 ms
Loss rate: 0.04%

Run 8: Report of TCP Cubic — Data Link

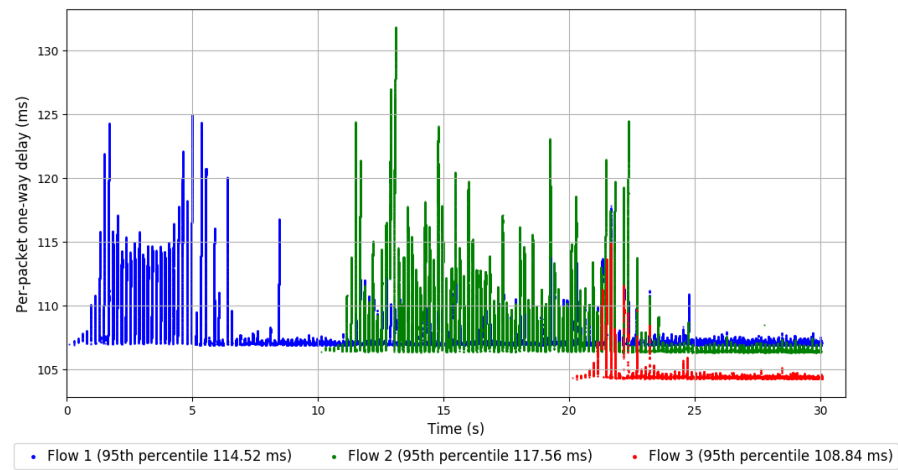
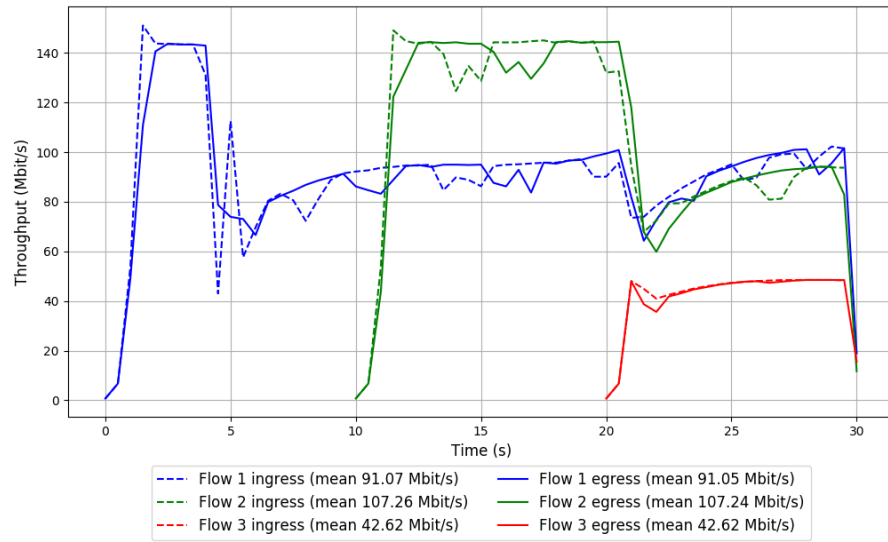


Run 9: Statistics of TCP Cubic

Start at: 2017-09-22 01:47:15
End at: 2017-09-22 01:47:45
Local clock offset: 0.091 ms
Remote clock offset: 15.653 ms

Below is generated by plot.py at 2017-09-22 03:23:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.49 Mbit/s
95th percentile per-packet one-way delay: 115.581 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 114.516 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 107.24 Mbit/s
95th percentile per-packet one-way delay: 117.559 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 108.842 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-22 02:07:54

End at: 2017-09-22 02:08:24

Local clock offset: -0.004 ms

Remote clock offset: 29.75 ms

Below is generated by plot.py at 2017-09-22 03:24:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.49 Mbit/s

95th percentile per-packet one-way delay: 128.562 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 115.39 Mbit/s

95th percentile per-packet one-way delay: 128.508 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 133.26 Mbit/s

95th percentile per-packet one-way delay: 128.445 ms

Loss rate: 0.00%

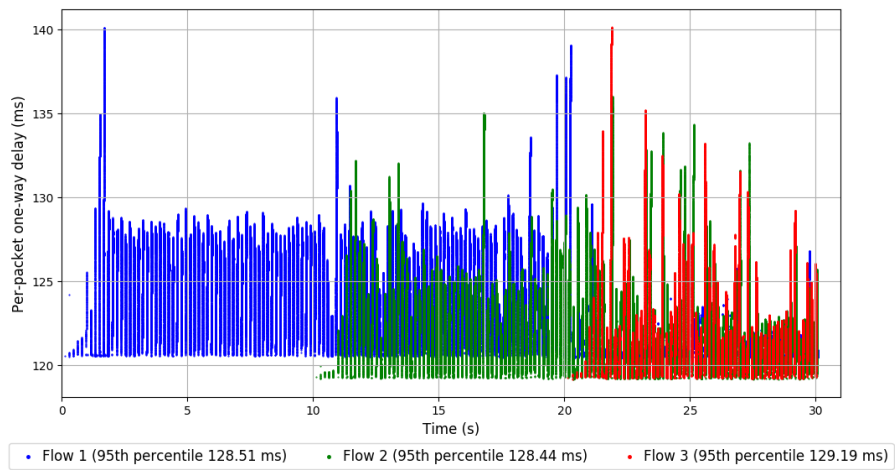
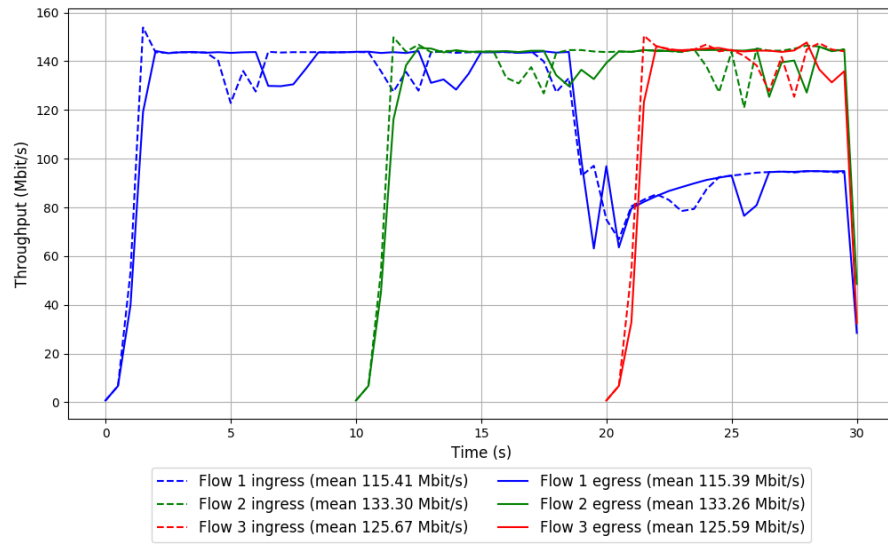
-- Flow 3:

Average throughput: 125.59 Mbit/s

95th percentile per-packet one-way delay: 129.194 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

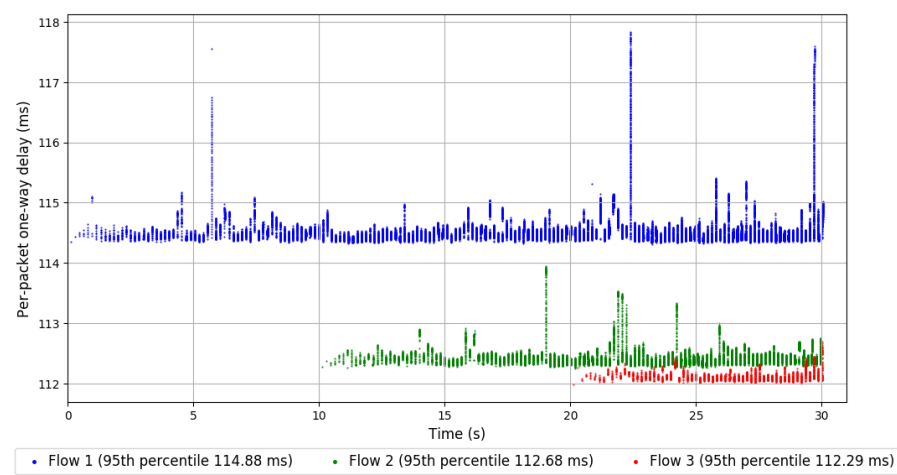
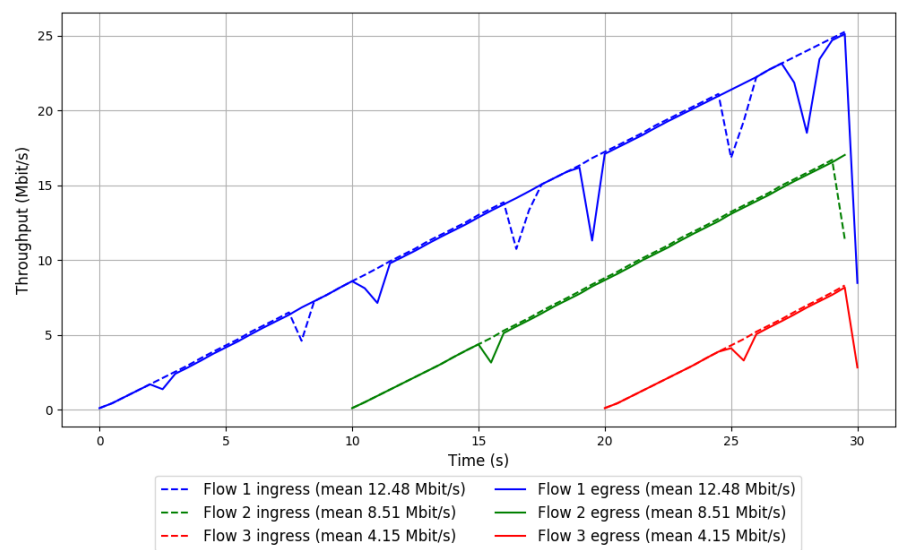


Run 1: Statistics of LEDBAT

Start at: 2017-09-21 22:55:16
End at: 2017-09-21 22:55:46
Local clock offset: 0.036 ms
Remote clock offset: 23.219 ms

Below is generated by plot.py at 2017-09-22 03:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 114.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 114.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 112.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 112.287 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-09-21 23:15:47

End at: 2017-09-21 23:16:17

Local clock offset: 0.049 ms

Remote clock offset: 8.655 ms

Below is generated by plot.py at 2017-09-22 03:24:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 99.823 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.84 Mbit/s

95th percentile per-packet one-way delay: 98.628 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 100.135 ms

Loss rate: 0.00%

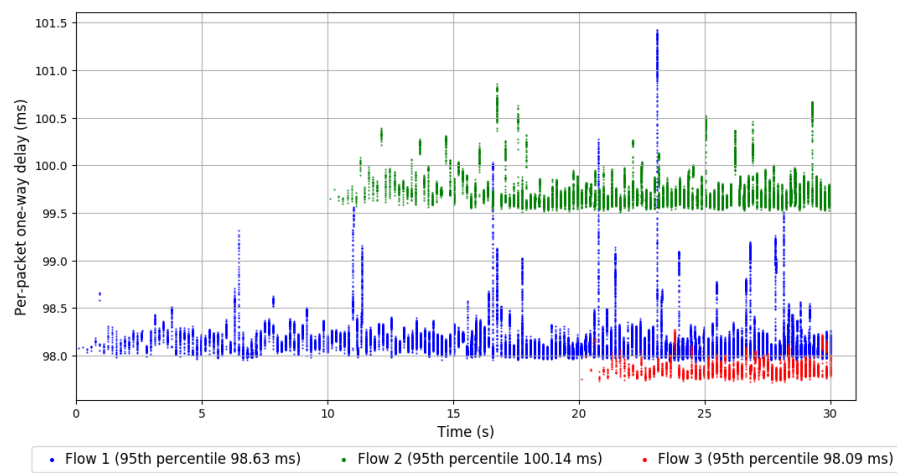
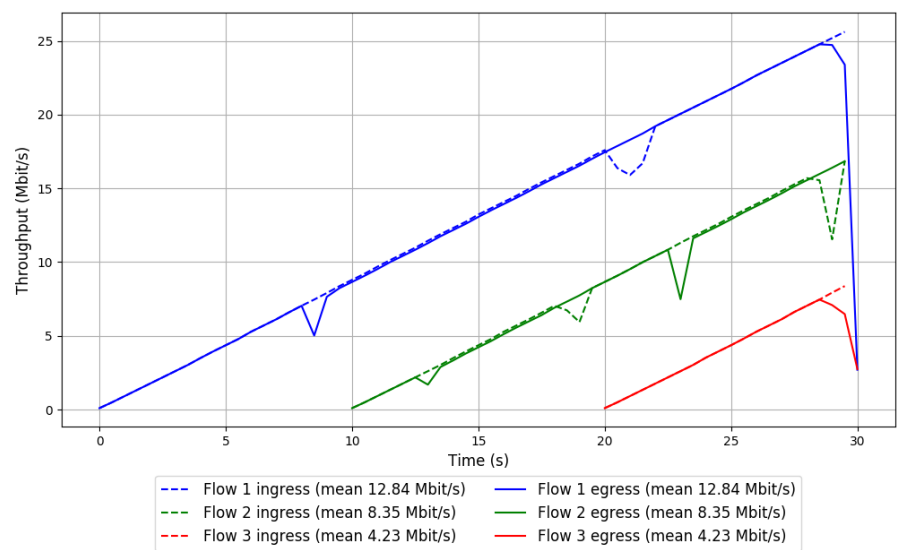
-- Flow 3:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 98.089 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-09-21 23:36:38

End at: 2017-09-21 23:37:08

Local clock offset: 0.081 ms

Remote clock offset: 11.91 ms

Below is generated by plot.py at 2017-09-22 03:24:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.73 Mbit/s

95th percentile per-packet one-way delay: 103.316 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.82 Mbit/s

95th percentile per-packet one-way delay: 102.102 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 103.487 ms

Loss rate: 0.00%

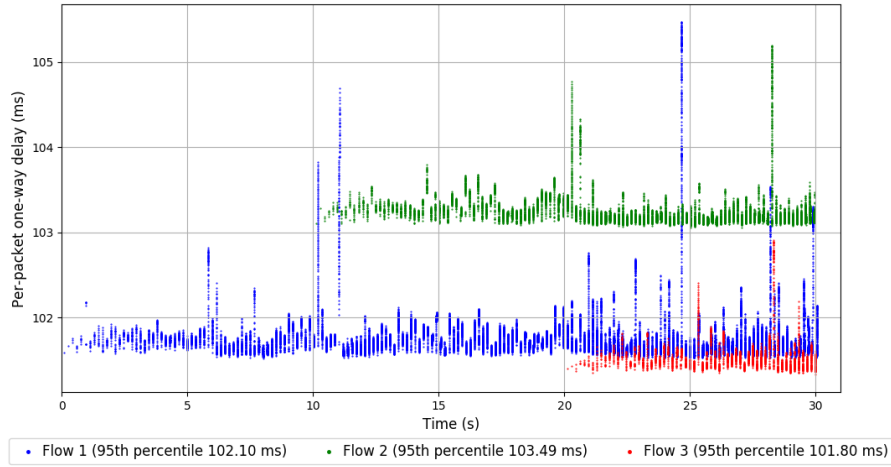
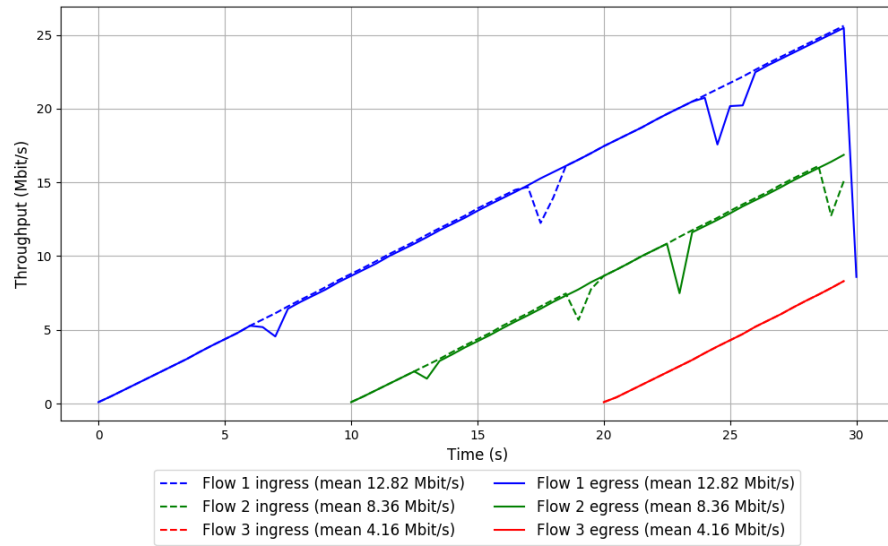
-- Flow 3:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 101.799 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

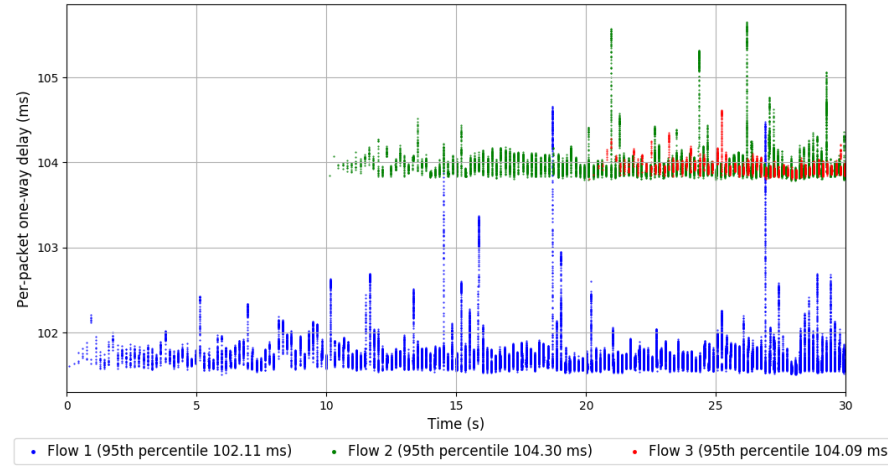
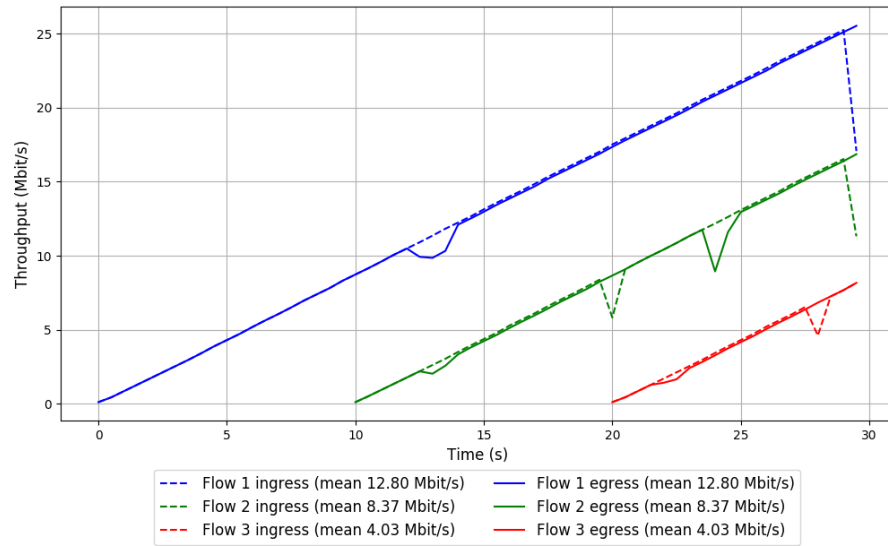


Run 4: Statistics of LEDBAT

Start at: 2017-09-21 23:57:31
End at: 2017-09-21 23:58:01
Local clock offset: 0.063 ms
Remote clock offset: 12.026 ms

Below is generated by plot.py at 2017-09-22 03:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 104.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 102.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 104.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 104.090 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

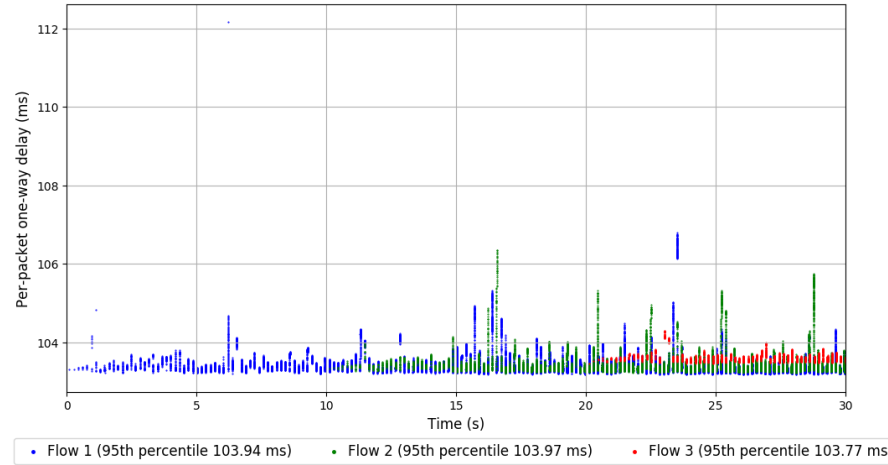
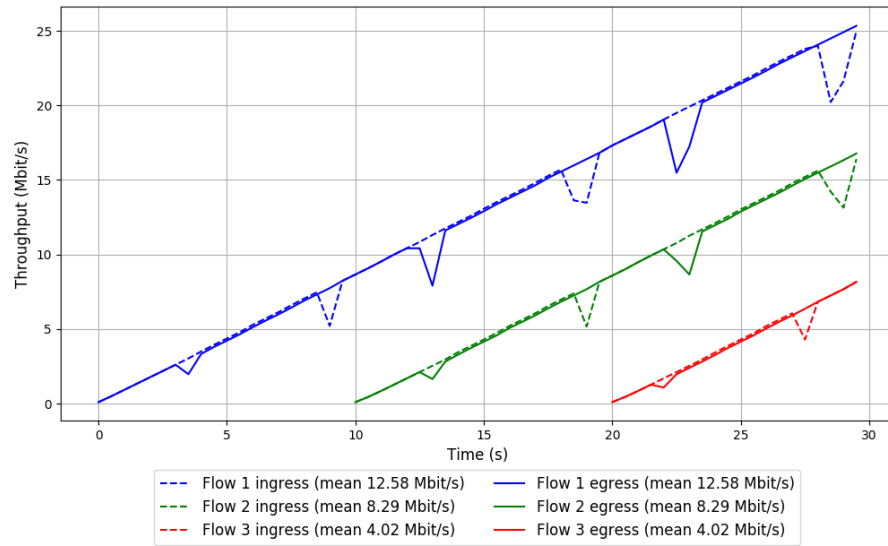


Run 5: Statistics of LEDBAT

Start at: 2017-09-22 00:18:09
End at: 2017-09-22 00:18:39
Local clock offset: 0.126 ms
Remote clock offset: 11.761 ms

Below is generated by plot.py at 2017-09-22 03:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 103.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 103.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 103.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 103.772 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

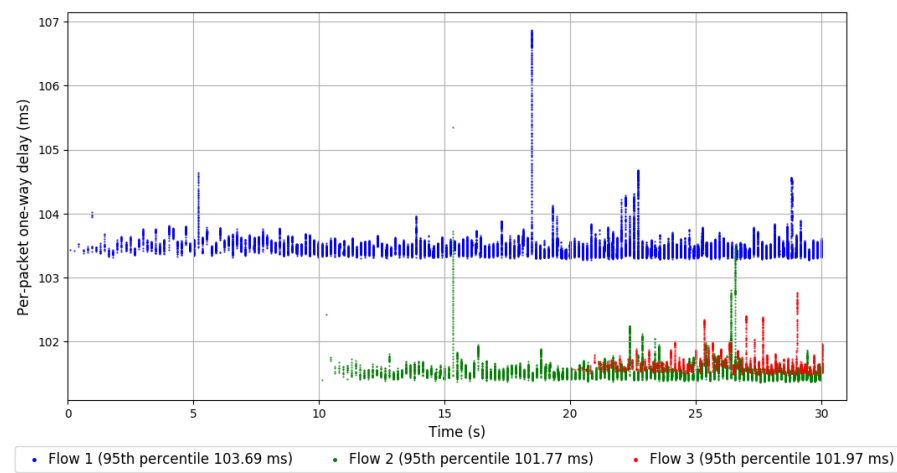
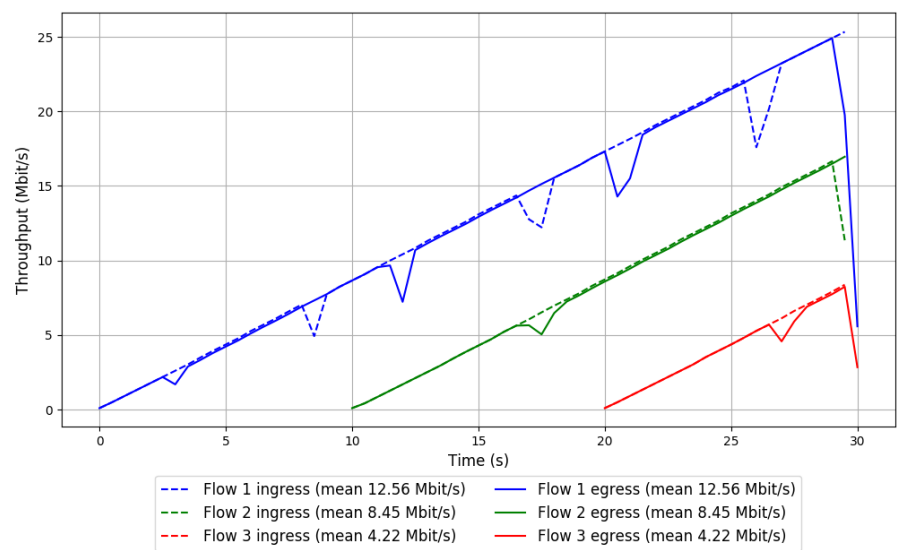


Run 6: Statistics of LEDBAT

Start at: 2017-09-22 00:38:35
End at: 2017-09-22 00:39:05
Local clock offset: 0.139 ms
Remote clock offset: 11.751 ms

Below is generated by plot.py at 2017-09-22 03:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 103.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 103.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 101.773 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 101.968 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-09-22 00:59:08

End at: 2017-09-22 00:59:38

Local clock offset: 0.113 ms

Remote clock offset: 7.081 ms

Below is generated by plot.py at 2017-09-22 03:24:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.79 Mbit/s

95th percentile per-packet one-way delay: 98.117 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.86 Mbit/s

95th percentile per-packet one-way delay: 97.095 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 96.884 ms

Loss rate: 0.00%

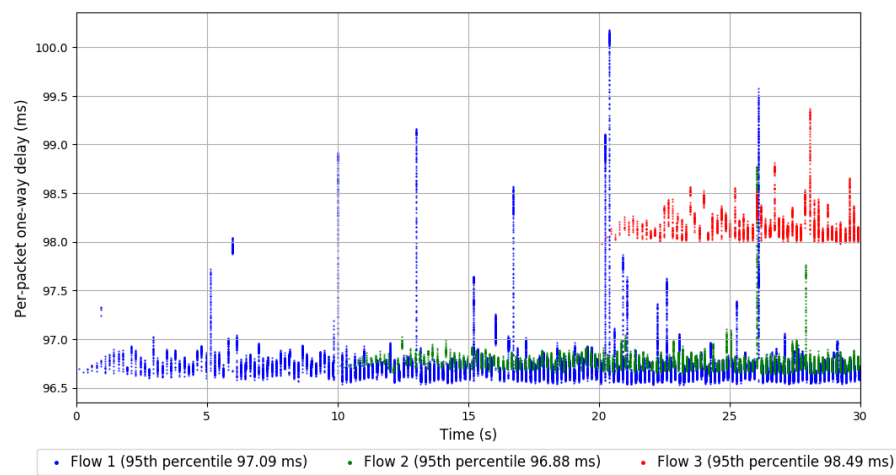
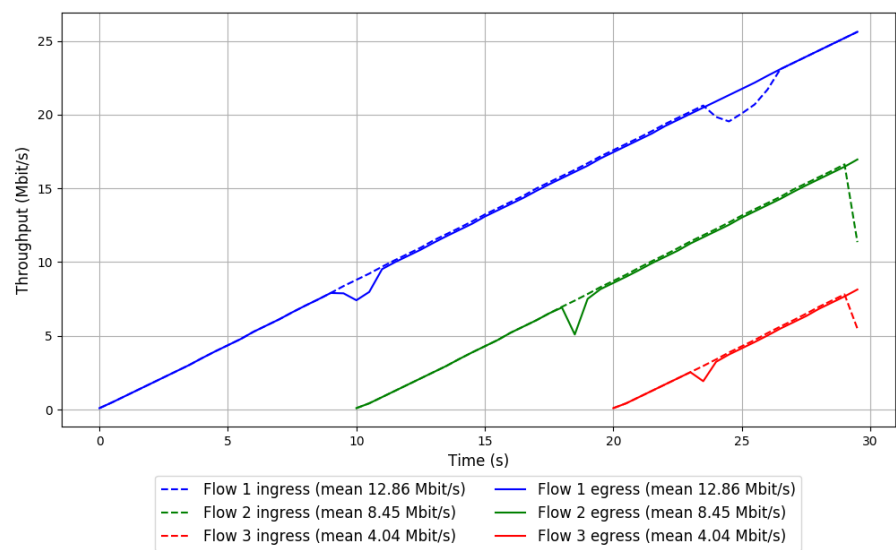
-- Flow 3:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 98.489 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

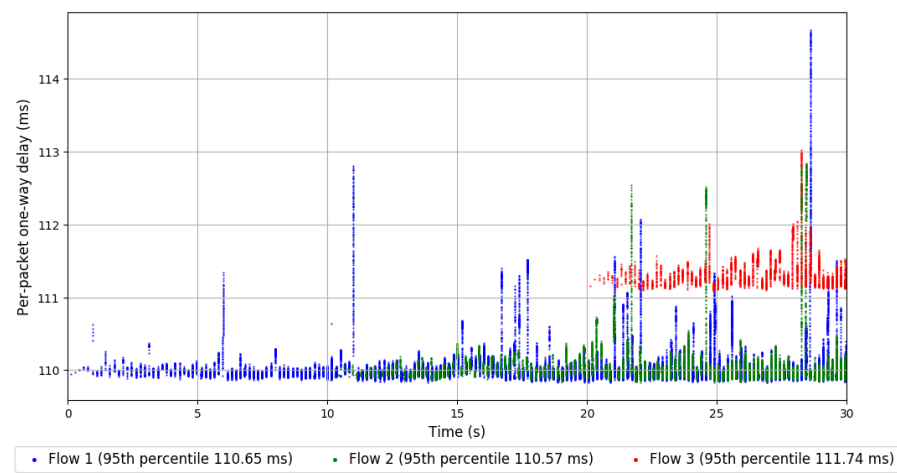
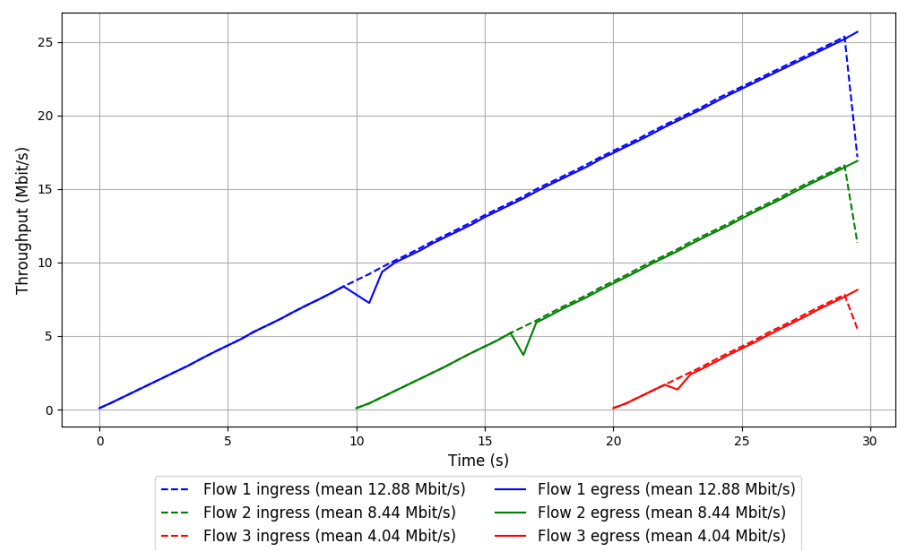


Run 8: Statistics of LEDBAT

Start at: 2017-09-22 01:19:20
End at: 2017-09-22 01:19:50
Local clock offset: 0.108 ms
Remote clock offset: 20.532 ms

Below is generated by plot.py at 2017-09-22 03:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 111.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 110.653 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 110.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 111.743 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

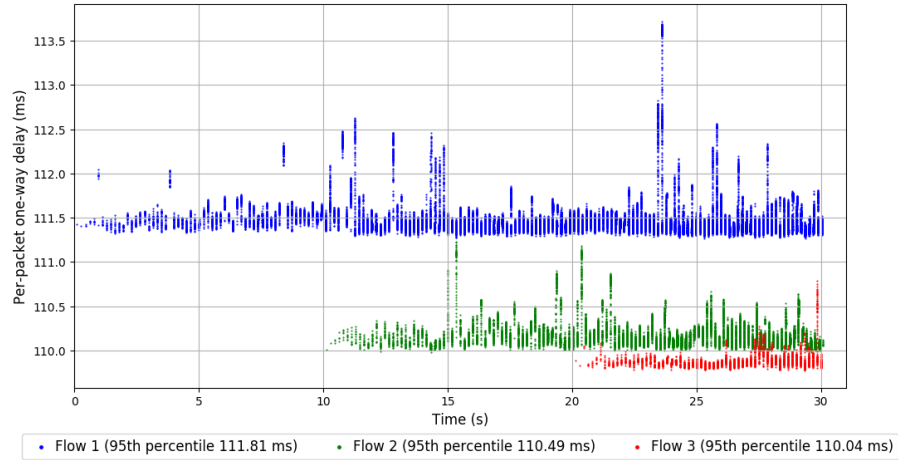
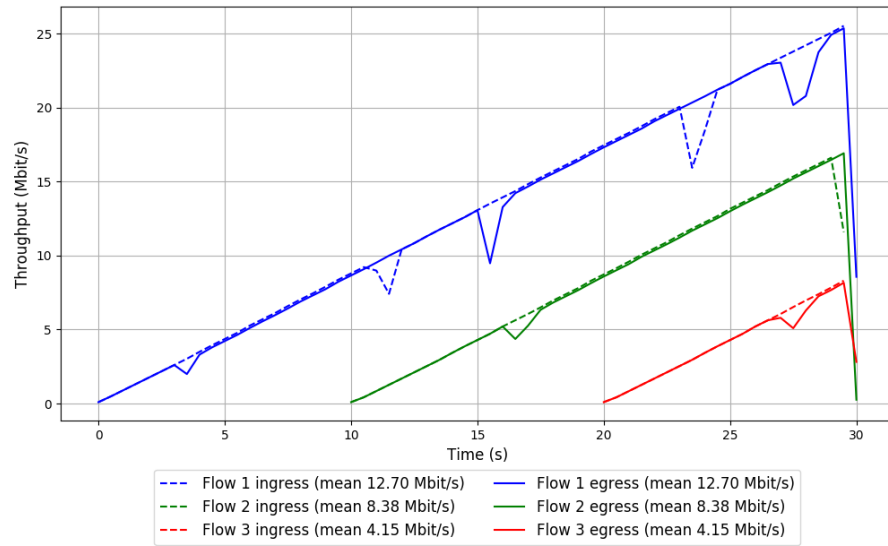


Run 9: Statistics of LEDBAT

Start at: 2017-09-22 01:39:52
End at: 2017-09-22 01:40:22
Local clock offset: 0.08 ms
Remote clock offset: 20.956 ms

Below is generated by plot.py at 2017-09-22 03:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 111.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 111.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 110.494 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 110.039 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

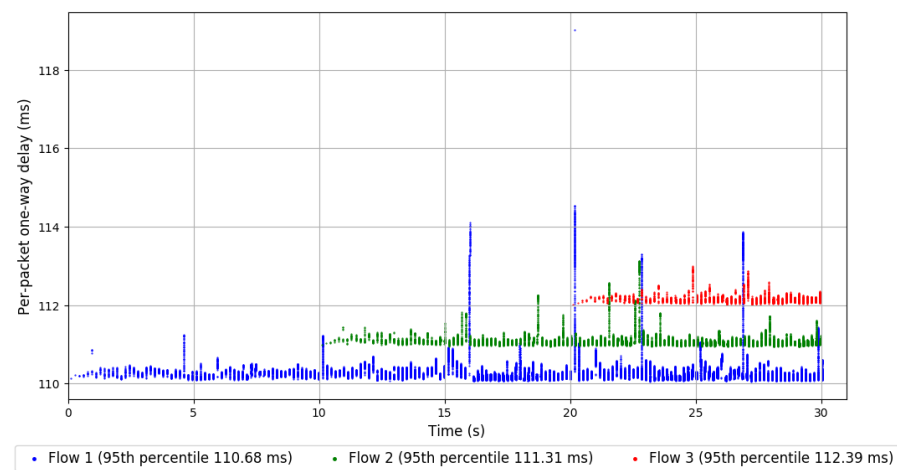
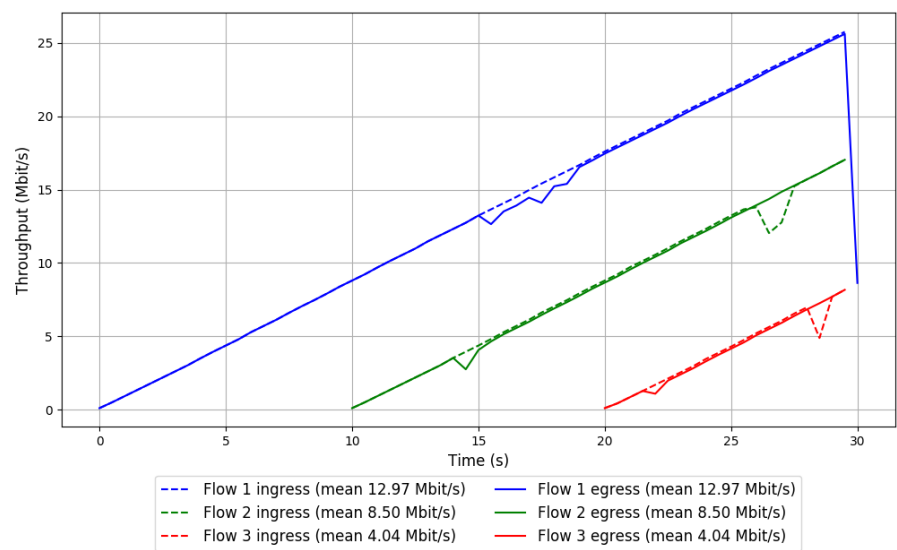


Run 10: Statistics of LEDBAT

Start at: 2017-09-22 02:00:22
End at: 2017-09-22 02:00:52
Local clock offset: 0.012 ms
Remote clock offset: 21.485 ms

Below is generated by plot.py at 2017-09-22 03:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.93 Mbit/s
95th percentile per-packet one-way delay: 112.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 110.680 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 111.312 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 112.385 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

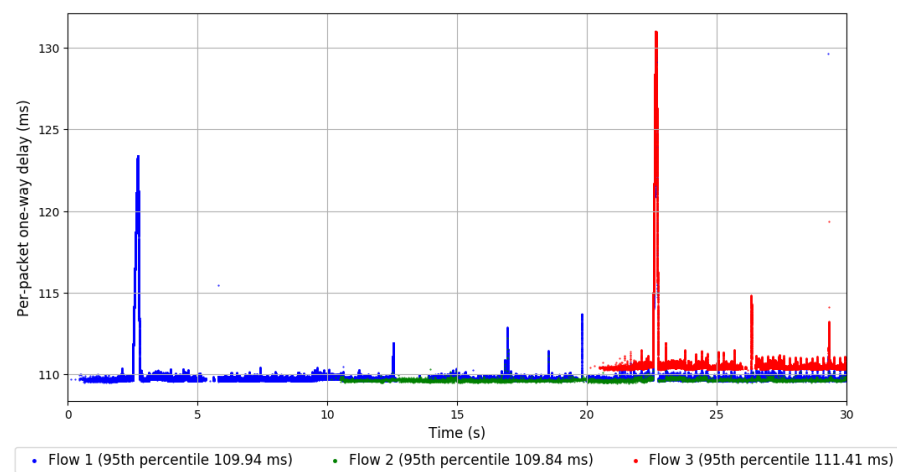
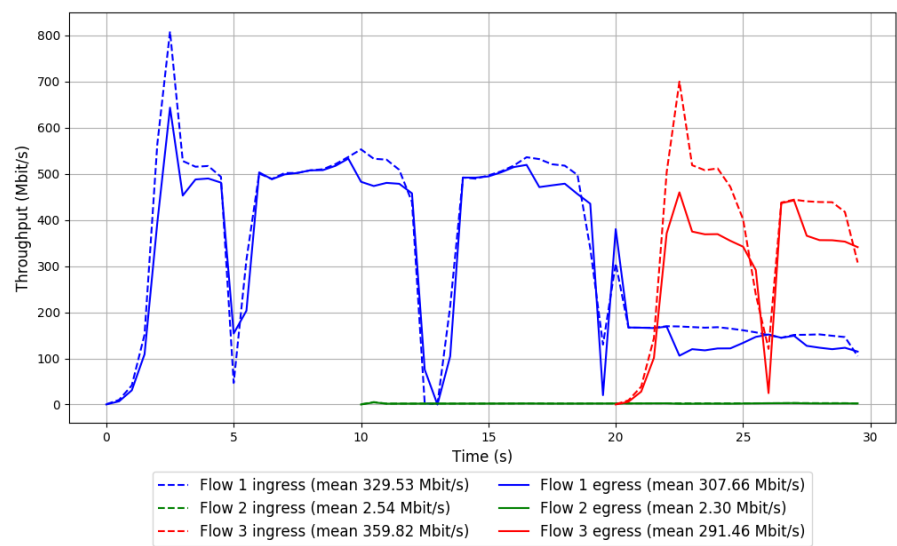


Run 1: Statistics of PCC

Start at: 2017-09-21 23:08:34
End at: 2017-09-21 23:09:04
Local clock offset: 0.09 ms
Remote clock offset: 20.751 ms

Below is generated by plot.py at 2017-09-22 03:28:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.30 Mbit/s
95th percentile per-packet one-way delay: 110.630 ms
Loss rate: 9.91%
-- Flow 1:
Average throughput: 307.66 Mbit/s
95th percentile per-packet one-way delay: 109.936 ms
Loss rate: 6.64%
-- Flow 2:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 109.840 ms
Loss rate: 9.45%
-- Flow 3:
Average throughput: 291.46 Mbit/s
95th percentile per-packet one-way delay: 111.414 ms
Loss rate: 19.00%

Run 1: Report of PCC — Data Link

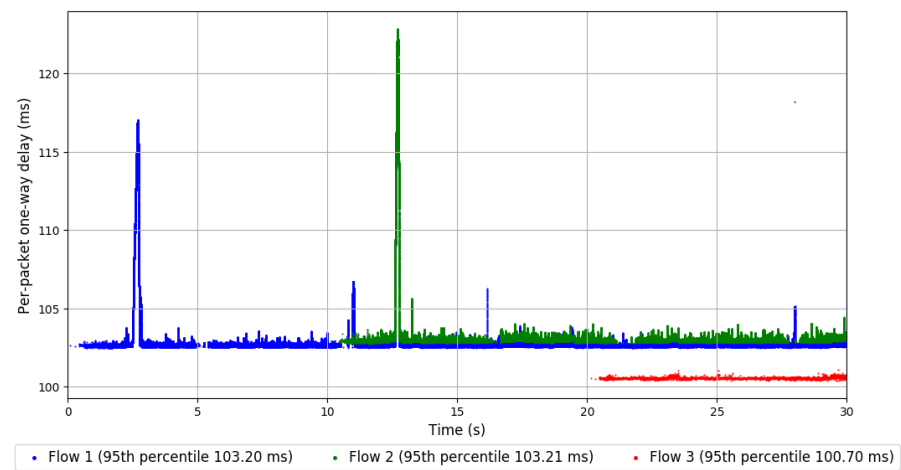
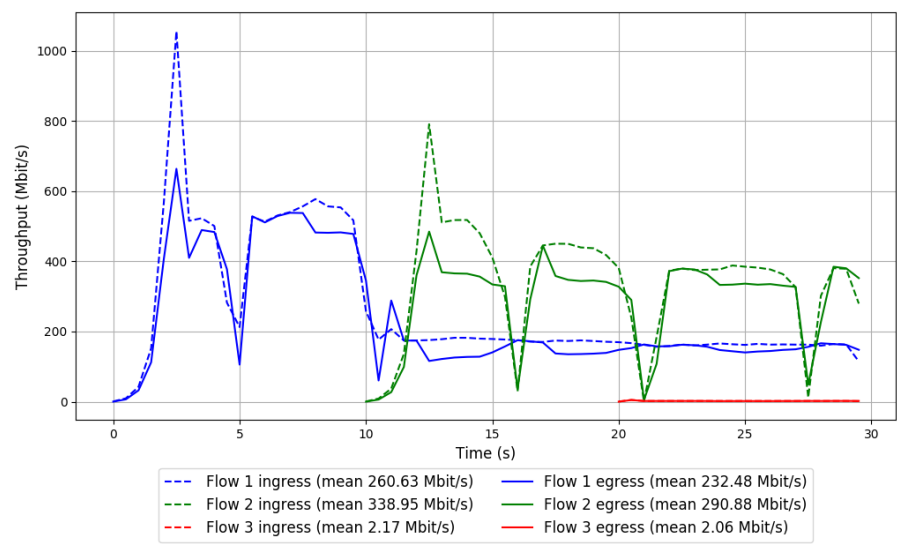


Run 2: Statistics of PCC

Start at: 2017-09-21 23:29:09
End at: 2017-09-21 23:29:39
Local clock offset: 0.056 ms
Remote clock offset: 11.493 ms

Below is generated by plot.py at 2017-09-22 03:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.47 Mbit/s
95th percentile per-packet one-way delay: 103.208 ms
Loss rate: 12.36%
-- Flow 1:
Average throughput: 232.48 Mbit/s
95th percentile per-packet one-way delay: 103.196 ms
Loss rate: 10.80%
-- Flow 2:
Average throughput: 290.88 Mbit/s
95th percentile per-packet one-way delay: 103.210 ms
Loss rate: 14.19%
-- Flow 3:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 100.705 ms
Loss rate: 5.31%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

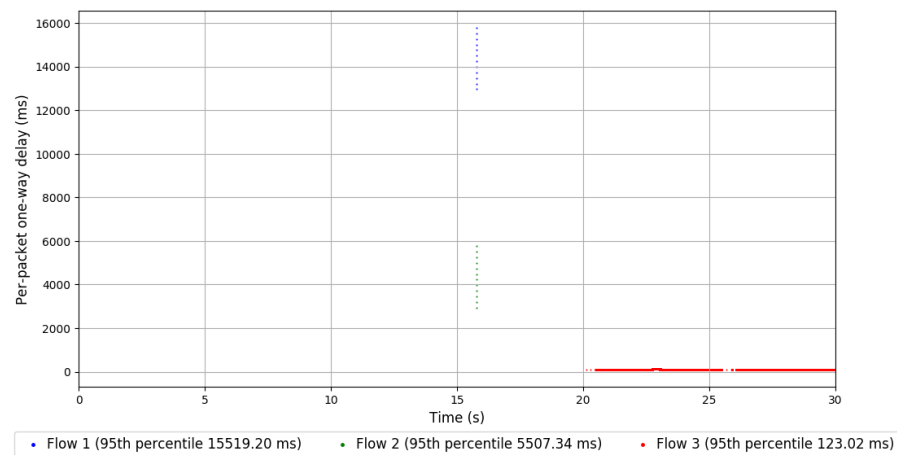
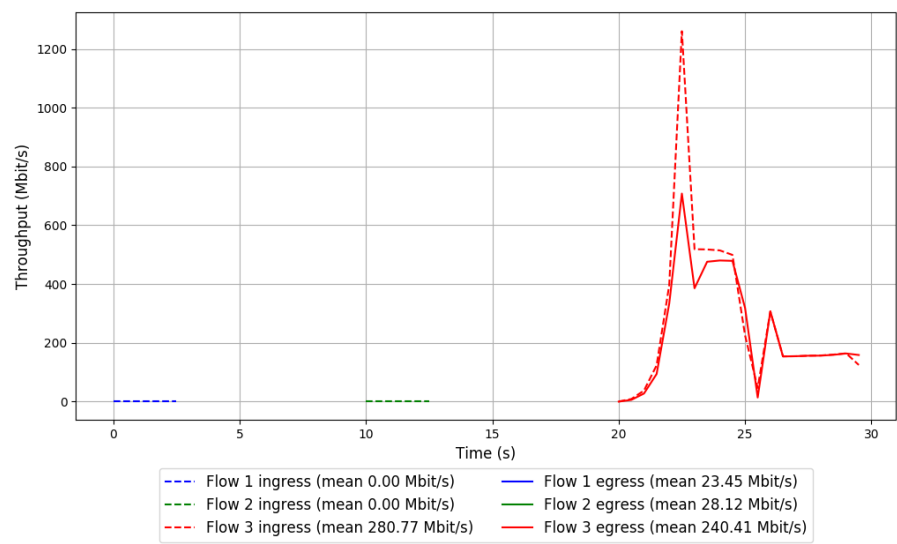
Start at: 2017-09-21 23:50:21

End at: 2017-09-21 23:50:51

Local clock offset: 0.024 ms

Remote clock offset: 11.49 ms

Run 3: Report of PCC — Data Link

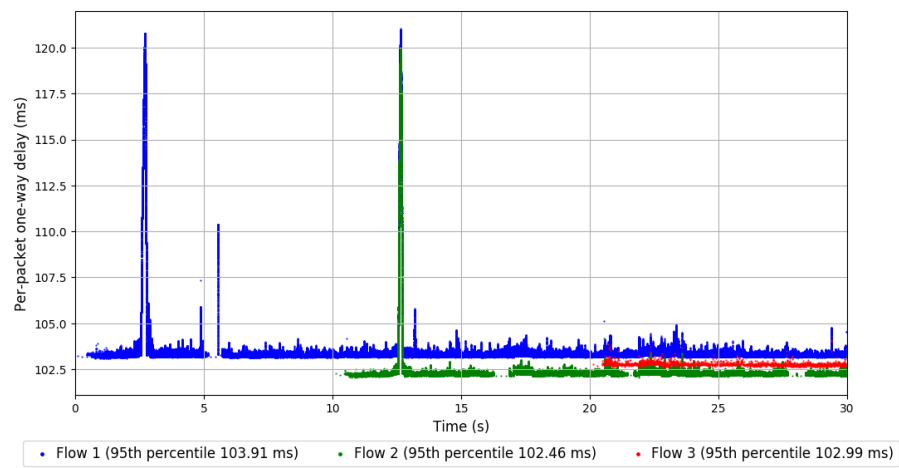
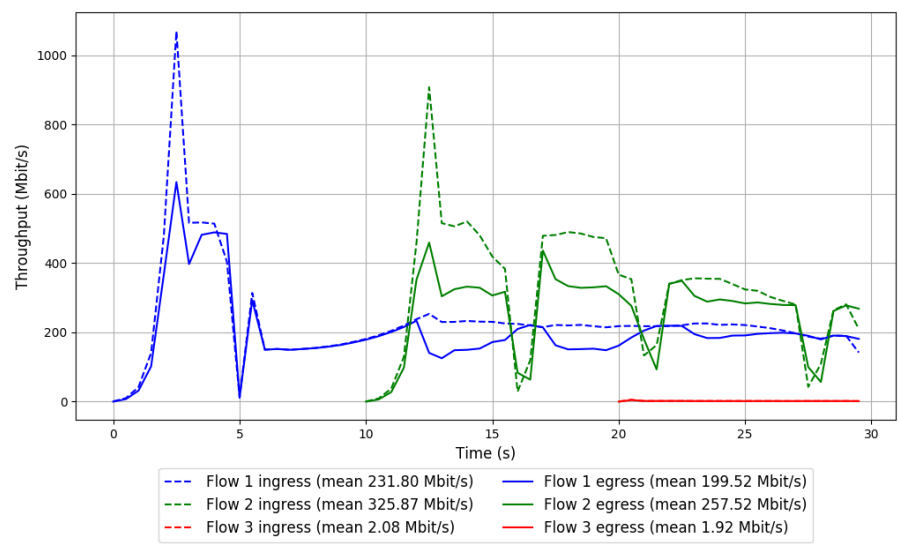


Run 4: Statistics of PCC

Start at: 2017-09-22 00:10:44
End at: 2017-09-22 00:11:14
Local clock offset: 0.192 ms
Remote clock offset: 11.543 ms

Below is generated by plot.py at 2017-09-22 03:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.25 Mbit/s
95th percentile per-packet one-way delay: 103.535 ms
Loss rate: 17.31%
-- Flow 1:
Average throughput: 199.52 Mbit/s
95th percentile per-packet one-way delay: 103.914 ms
Loss rate: 13.93%
-- Flow 2:
Average throughput: 257.52 Mbit/s
95th percentile per-packet one-way delay: 102.457 ms
Loss rate: 20.97%
-- Flow 3:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 102.989 ms
Loss rate: 7.35%

Run 4: Report of PCC — Data Link

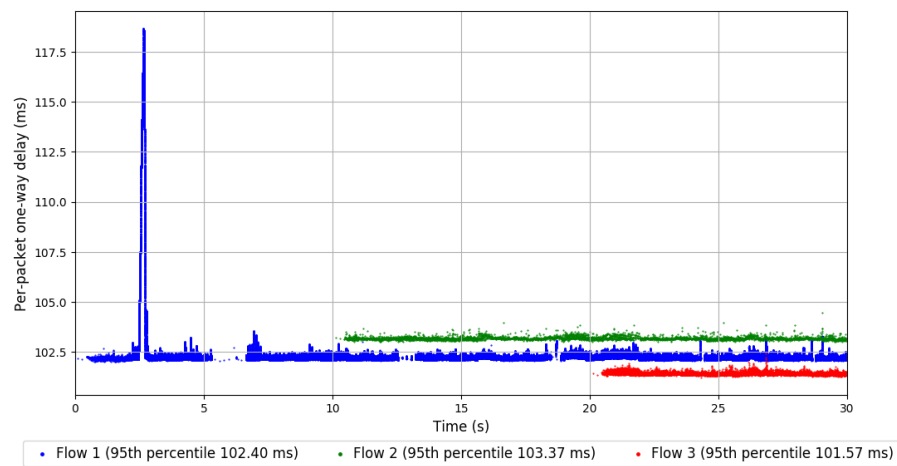
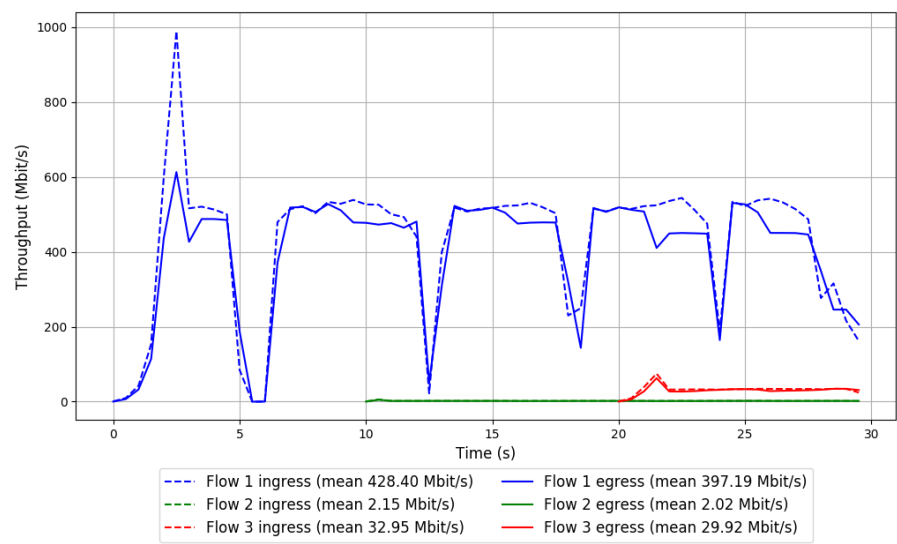


Run 5: Statistics of PCC

Start at: 2017-09-22 00:31:23
End at: 2017-09-22 00:31:53
Local clock offset: 0.133 ms
Remote clock offset: 11.653 ms

Below is generated by plot.py at 2017-09-22 03:28:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.39 Mbit/s
95th percentile per-packet one-way delay: 102.403 ms
Loss rate: 7.33%
-- Flow 1:
Average throughput: 397.19 Mbit/s
95th percentile per-packet one-way delay: 102.397 ms
Loss rate: 7.28%
-- Flow 2:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 103.369 ms
Loss rate: 6.28%
-- Flow 3:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 101.572 ms
Loss rate: 9.21%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-22 00:51:45

End at: 2017-09-22 00:52:15

Local clock offset: 0.144 ms

Remote clock offset: 8.496 ms

Below is generated by plot.py at 2017-09-22 03:29:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 425.35 Mbit/s

95th percentile per-packet one-way delay: 99.991 ms

Loss rate: 6.30%

-- Flow 1:

Average throughput: 423.29 Mbit/s

95th percentile per-packet one-way delay: 99.992 ms

Loss rate: 6.31%

-- Flow 2:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 98.173 ms

Loss rate: 4.96%

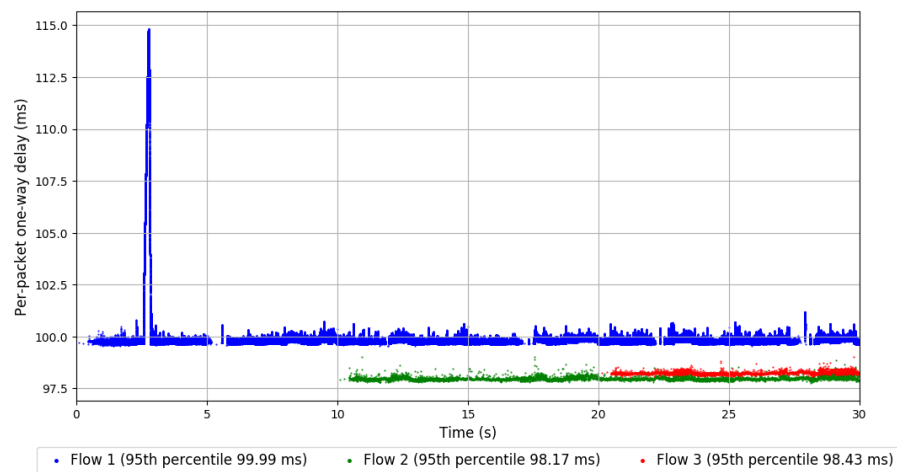
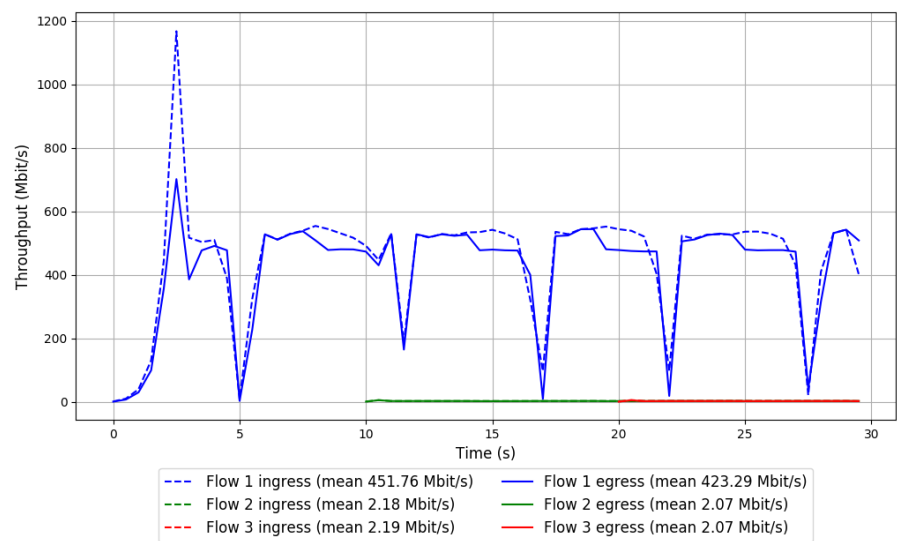
-- Flow 3:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 98.426 ms

Loss rate: 5.33%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

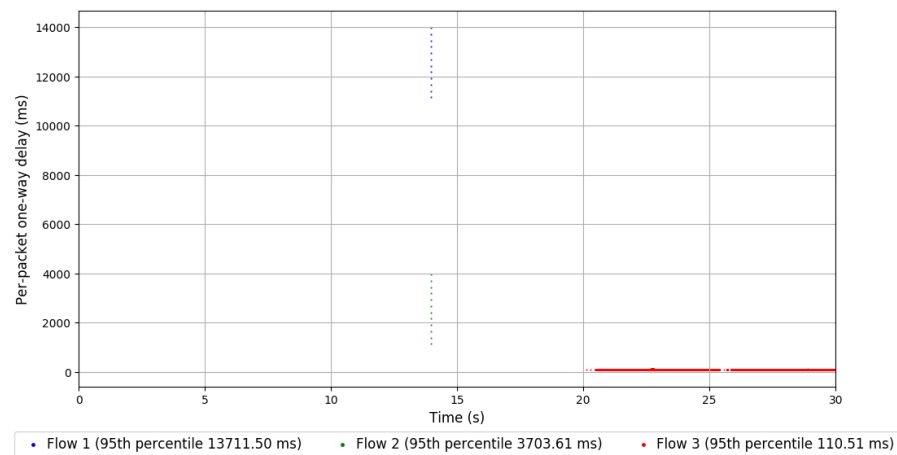
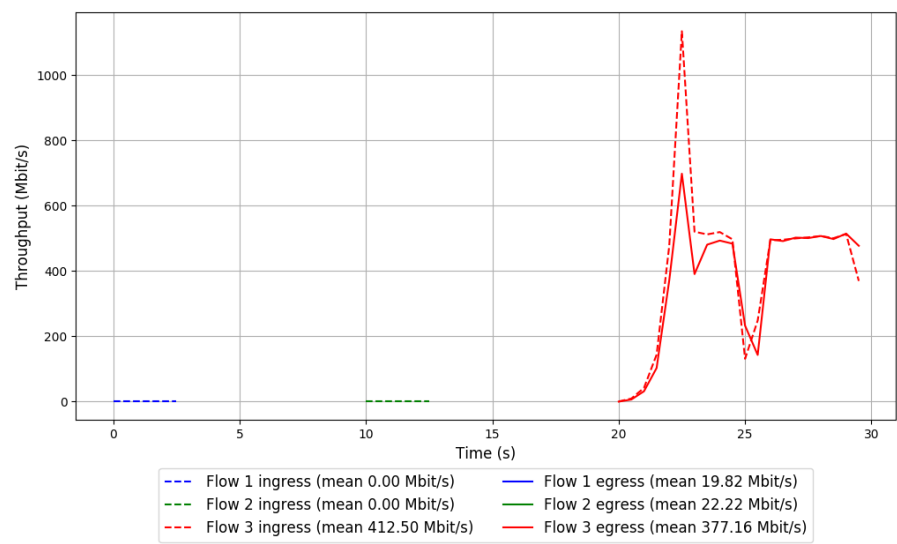
Start at: 2017-09-22 01:12:22

End at: 2017-09-22 01:12:52

Local clock offset: 0.109 ms

Remote clock offset: 15.479 ms

Run 7: Report of PCC — Data Link

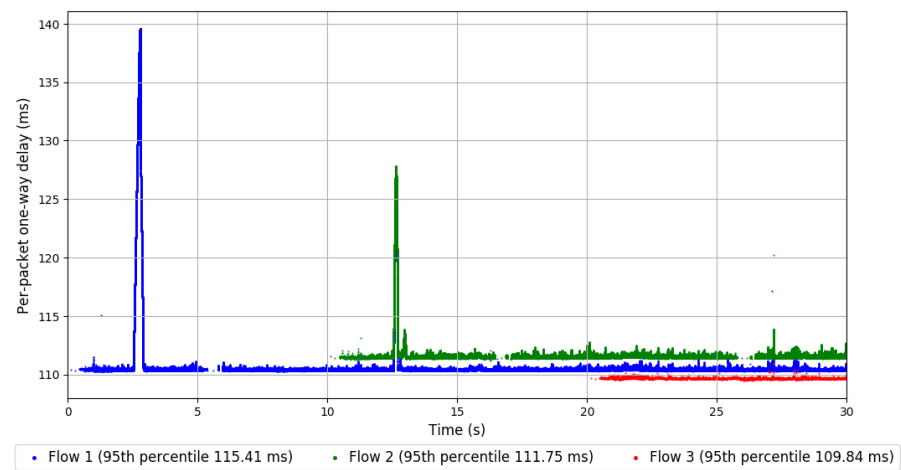
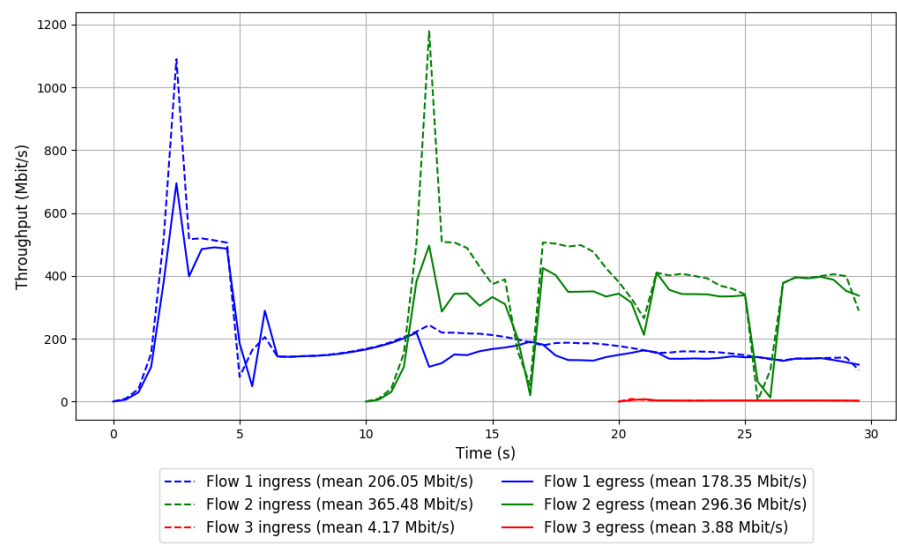


Run 8: Statistics of PCC

Start at: 2017-09-22 01:32:28
End at: 2017-09-22 01:32:58
Local clock offset: 0.087 ms
Remote clock offset: 20.707 ms

Below is generated by plot.py at 2017-09-22 03:29:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.64 Mbit/s
95th percentile per-packet one-way delay: 111.789 ms
Loss rate: 16.38%
-- Flow 1:
Average throughput: 178.35 Mbit/s
95th percentile per-packet one-way delay: 115.408 ms
Loss rate: 13.45%
-- Flow 2:
Average throughput: 296.36 Mbit/s
95th percentile per-packet one-way delay: 111.746 ms
Loss rate: 18.92%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 109.836 ms
Loss rate: 6.91%

Run 8: Report of PCC — Data Link

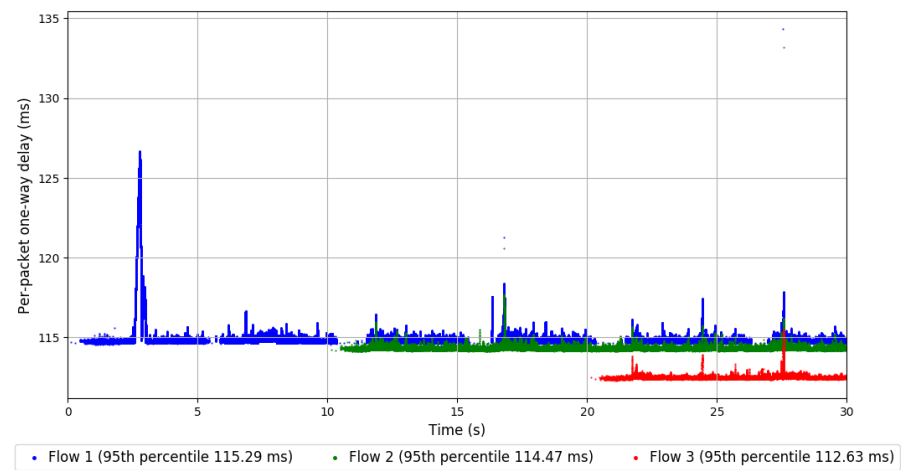
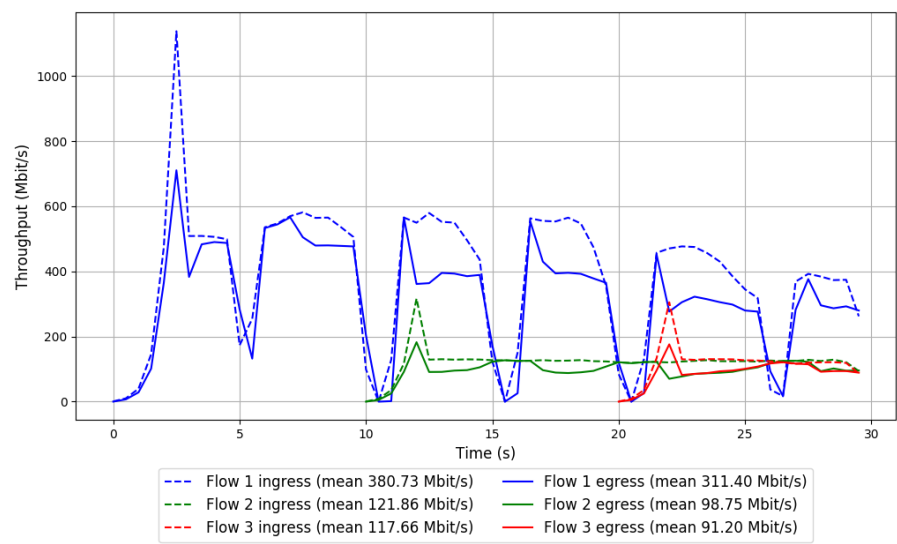


Run 9: Statistics of PCC

Start at: 2017-09-22 01:53:03
End at: 2017-09-22 01:53:33
Local clock offset: 0.055 ms
Remote clock offset: 23.959 ms

Below is generated by plot.py at 2017-09-22 03:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.01 Mbit/s
95th percentile per-packet one-way delay: 115.136 ms
Loss rate: 18.66%
-- Flow 1:
Average throughput: 311.40 Mbit/s
95th percentile per-packet one-way delay: 115.293 ms
Loss rate: 18.21%
-- Flow 2:
Average throughput: 98.75 Mbit/s
95th percentile per-packet one-way delay: 114.471 ms
Loss rate: 18.96%
-- Flow 3:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 22.49%

Run 9: Report of PCC — Data Link

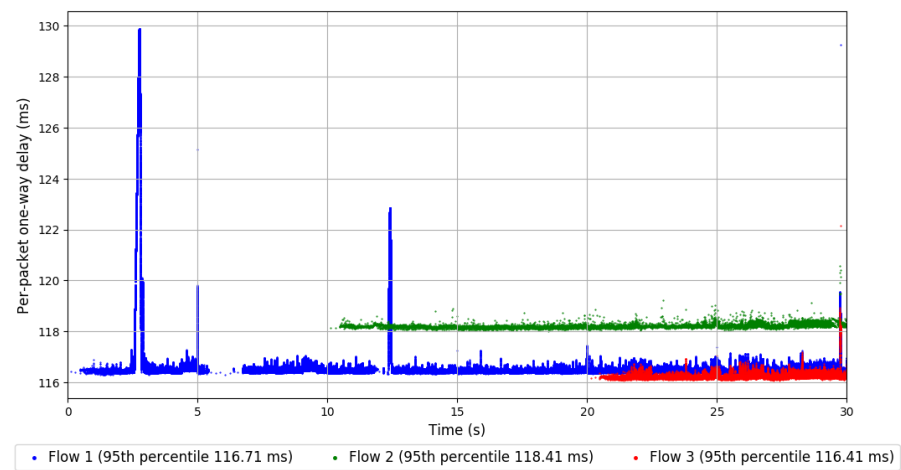
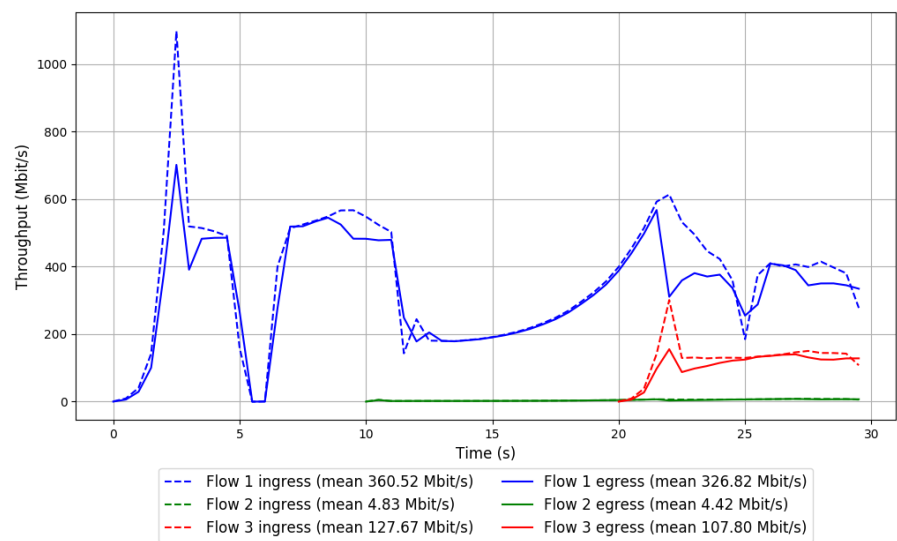


Run 10: Statistics of PCC

Start at: 2017-09-22 02:13:33
End at: 2017-09-22 02:14:03
Local clock offset: -0.023 ms
Remote clock offset: 27.432 ms

Below is generated by plot.py at 2017-09-22 03:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.30 Mbit/s
95th percentile per-packet one-way delay: 116.739 ms
Loss rate: 9.98%
-- Flow 1:
Average throughput: 326.82 Mbit/s
95th percentile per-packet one-way delay: 116.707 ms
Loss rate: 9.35%
-- Flow 2:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 118.413 ms
Loss rate: 8.48%
-- Flow 3:
Average throughput: 107.80 Mbit/s
95th percentile per-packet one-way delay: 116.406 ms
Loss rate: 15.56%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 22:53:55

End at: 2017-09-21 22:54:25

Local clock offset: -0.062 ms

Remote clock offset: 24.57 ms

Below is generated by plot.py at 2017-09-22 03:31:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.09 Mbit/s

95th percentile per-packet one-way delay: 115.104 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.39 Mbit/s

95th percentile per-packet one-way delay: 113.050 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.50 Mbit/s

95th percentile per-packet one-way delay: 115.188 ms

Loss rate: 0.01%

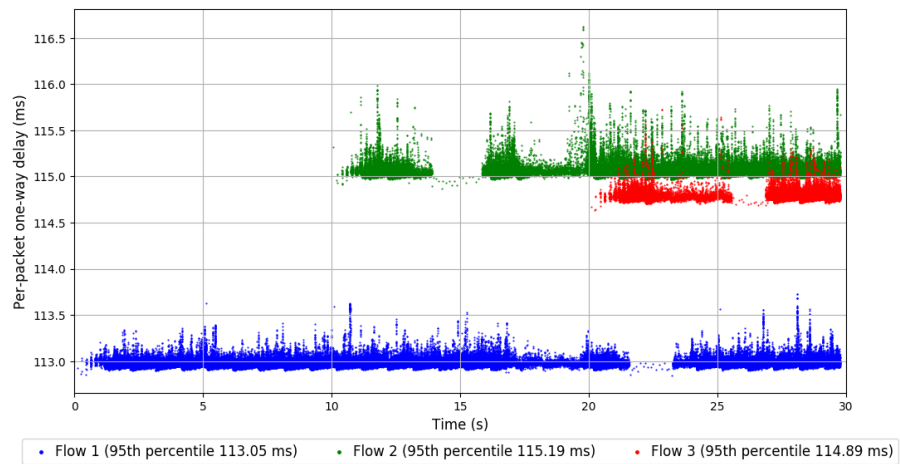
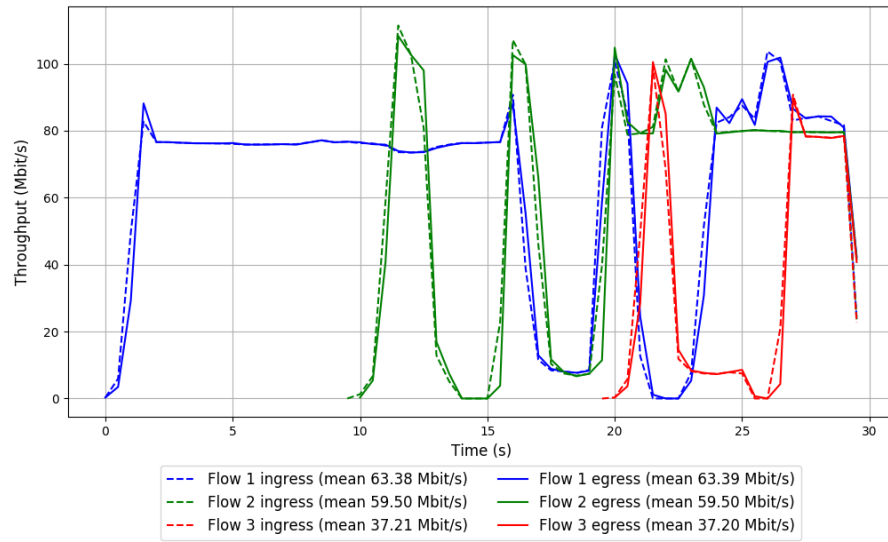
-- Flow 3:

Average throughput: 37.20 Mbit/s

95th percentile per-packet one-way delay: 114.891 ms

Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link

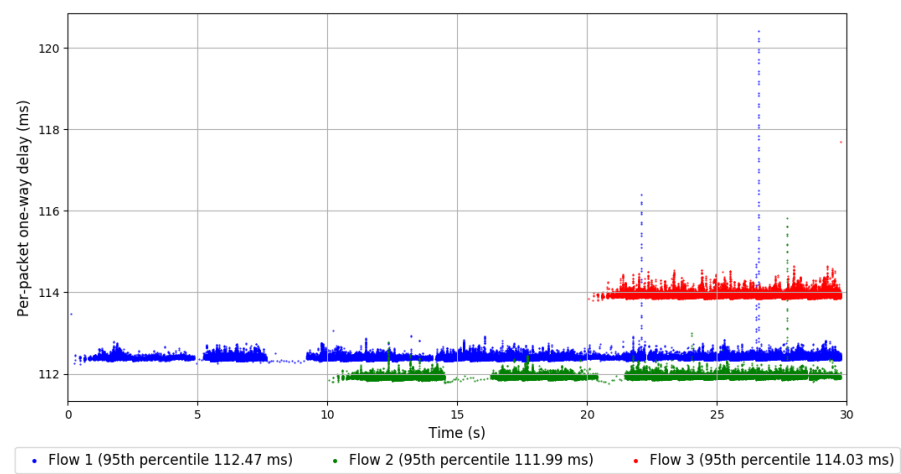
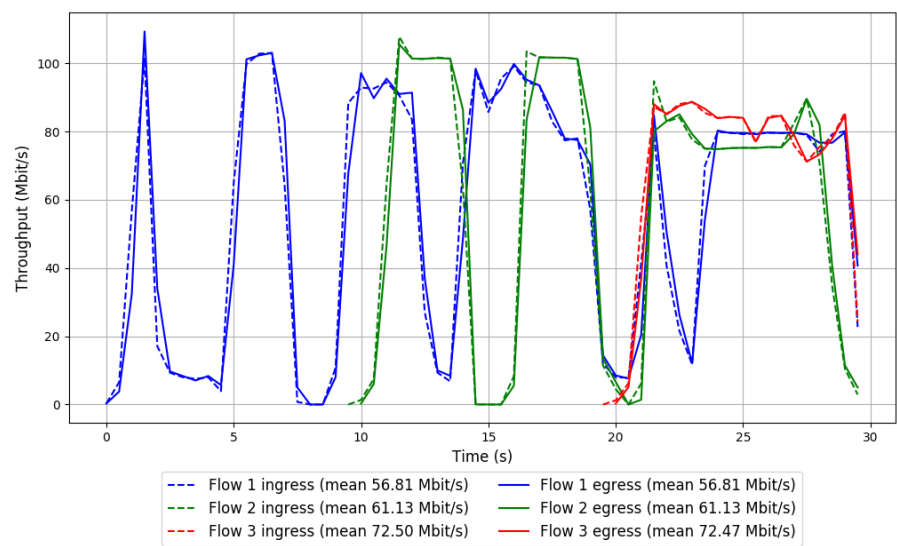


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 23:14:26
End at: 2017-09-21 23:14:56
Local clock offset: 0.079 ms
Remote clock offset: 22.859 ms

Below is generated by plot.py at 2017-09-22 03:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.16 Mbit/s
95th percentile per-packet one-way delay: 113.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 112.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 111.993 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 114.026 ms
Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link

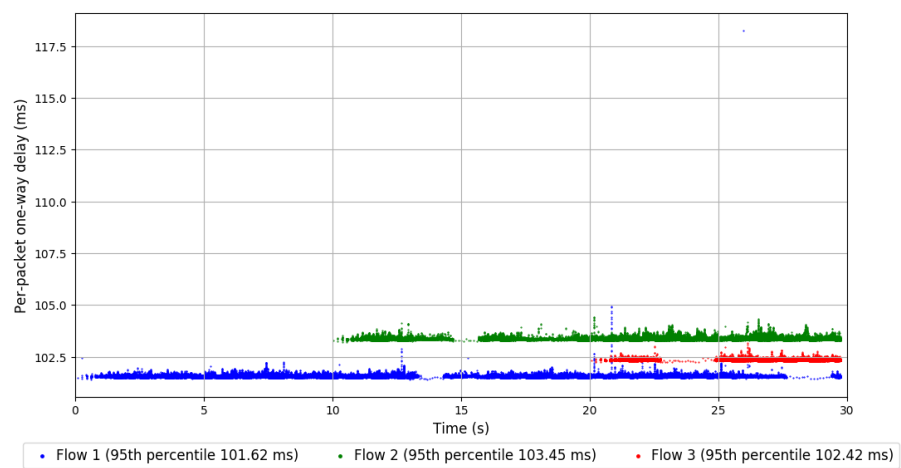
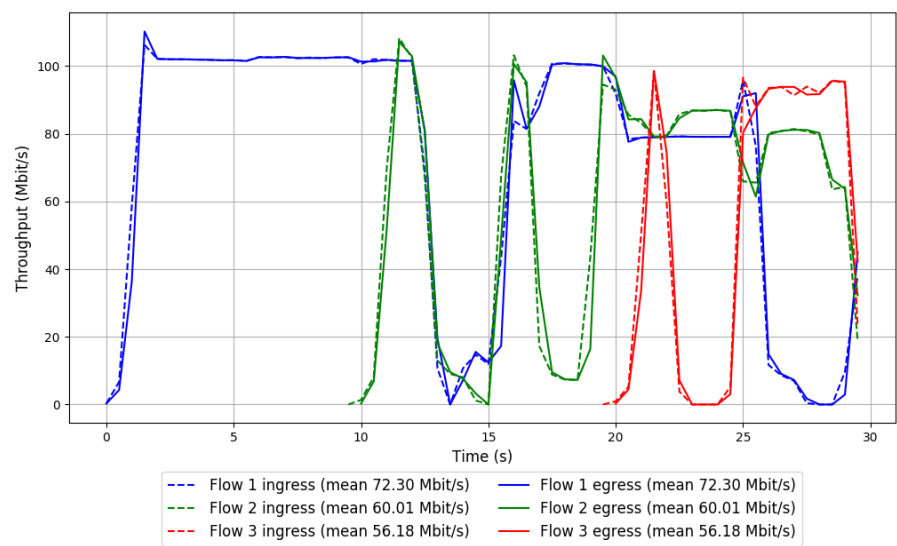


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 23:35:15
End at: 2017-09-21 23:35:45
Local clock offset: 0.091 ms
Remote clock offset: 11.902 ms

Below is generated by plot.py at 2017-09-22 03:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.52 Mbit/s
95th percentile per-packet one-way delay: 103.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.30 Mbit/s
95th percentile per-packet one-way delay: 101.616 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 103.452 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 102.416 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

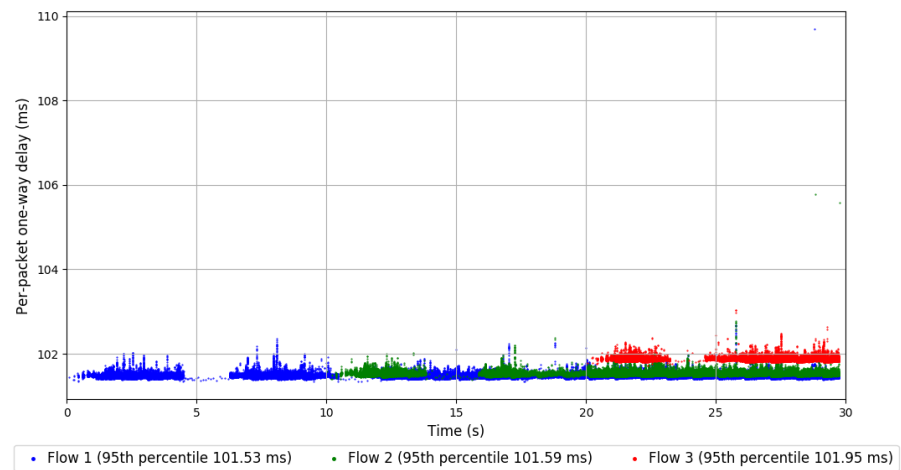
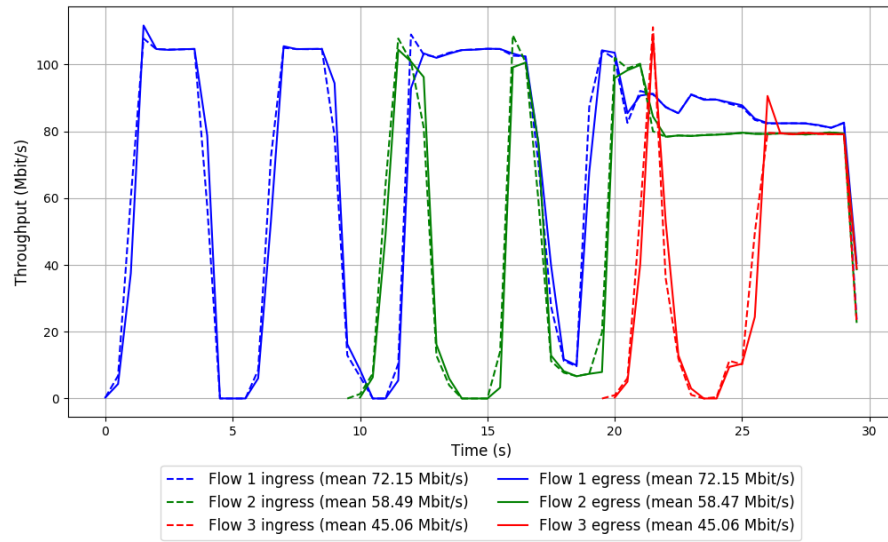


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 23:56:08
End at: 2017-09-21 23:56:38
Local clock offset: 0.09 ms
Remote clock offset: 11.739 ms

Below is generated by plot.py at 2017-09-22 03:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.72 Mbit/s
95th percentile per-packet one-way delay: 101.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 101.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 101.587 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 101.950 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

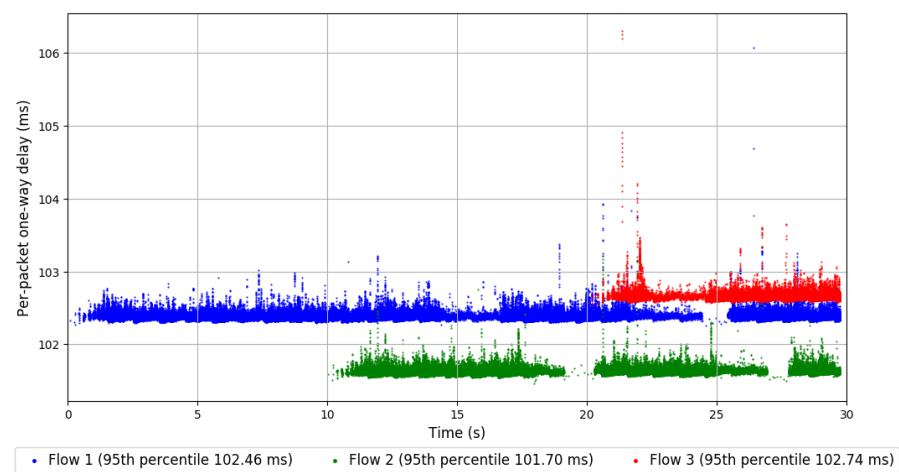
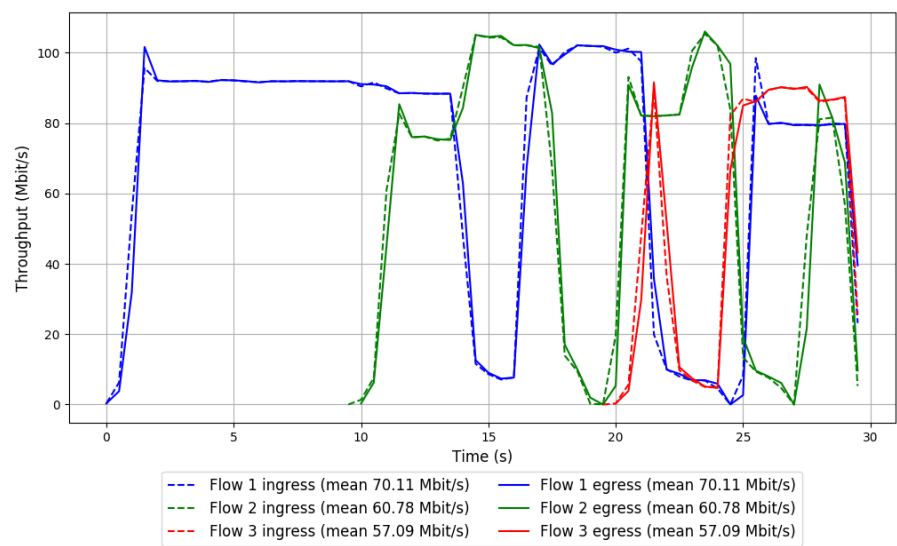


Run 5: Statistics of QUIC Cubic

Start at: 2017-09-22 00:16:47
End at: 2017-09-22 00:17:17
Local clock offset: 0.061 ms
Remote clock offset: 11.821 ms

Below is generated by plot.py at 2017-09-22 03:31:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.18 Mbit/s
95th percentile per-packet one-way delay: 102.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 102.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 101.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 102.736 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-22 00:37:13

End at: 2017-09-22 00:37:43

Local clock offset: 0.117 ms

Remote clock offset: 11.56 ms

Below is generated by plot.py at 2017-09-22 03:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.68 Mbit/s

95th percentile per-packet one-way delay: 103.832 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 66.29 Mbit/s

95th percentile per-packet one-way delay: 103.288 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 83.14 Mbit/s

95th percentile per-packet one-way delay: 103.904 ms

Loss rate: 0.01%

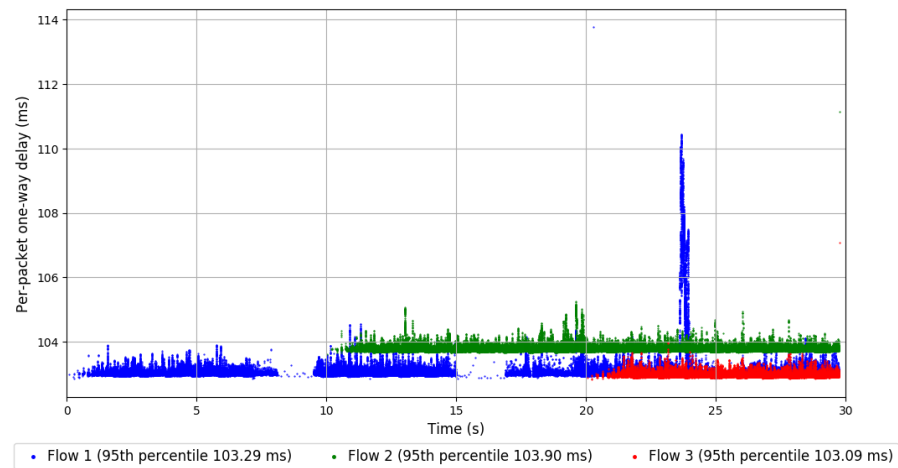
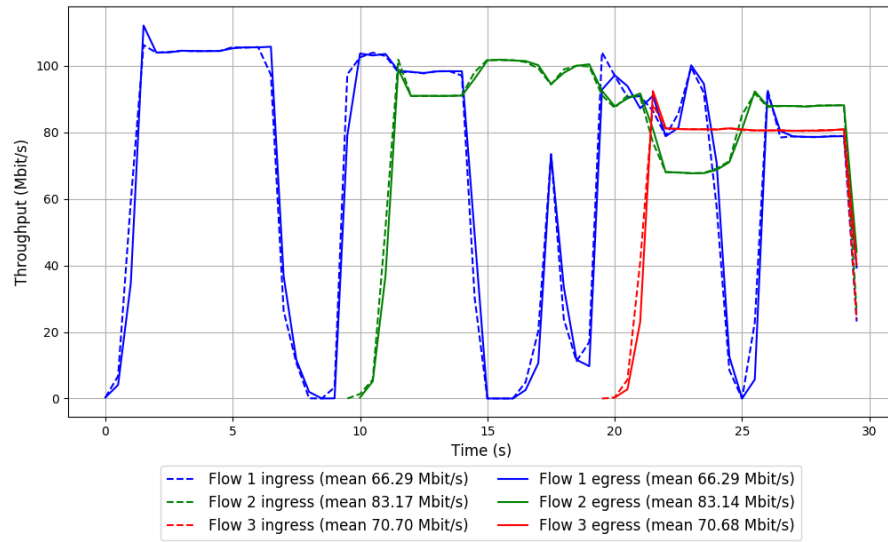
-- Flow 3:

Average throughput: 70.68 Mbit/s

95th percentile per-packet one-way delay: 103.089 ms

Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link

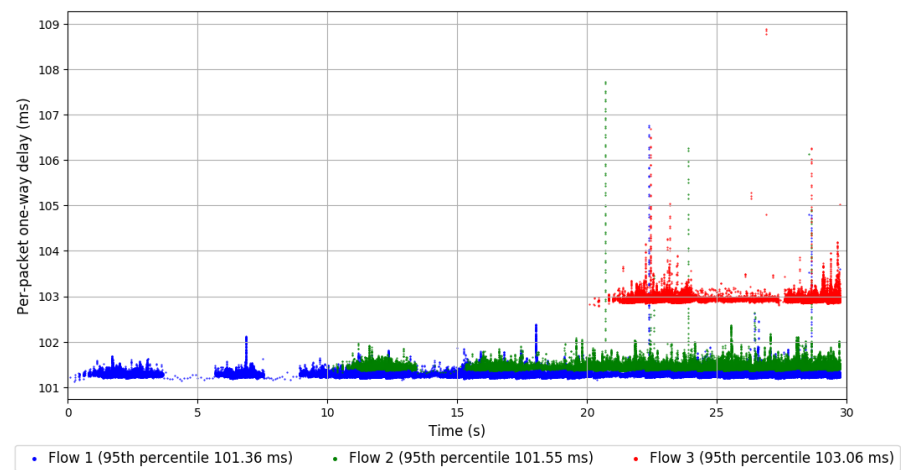
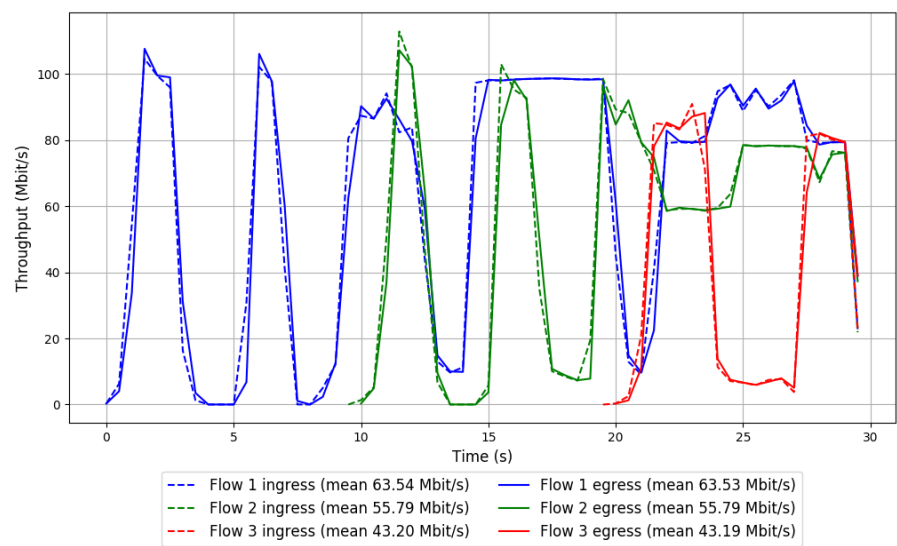


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-22 00:57:45
End at: 2017-09-22 00:58:15
Local clock offset: 0.11 ms
Remote clock offset: 11.737 ms

Below is generated by plot.py at 2017-09-22 03:32:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.68 Mbit/s
95th percentile per-packet one-way delay: 102.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 101.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.79 Mbit/s
95th percentile per-packet one-way delay: 101.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 103.064 ms
Loss rate: 0.01%

Run 7: Report of QUIC Cubic — Data Link

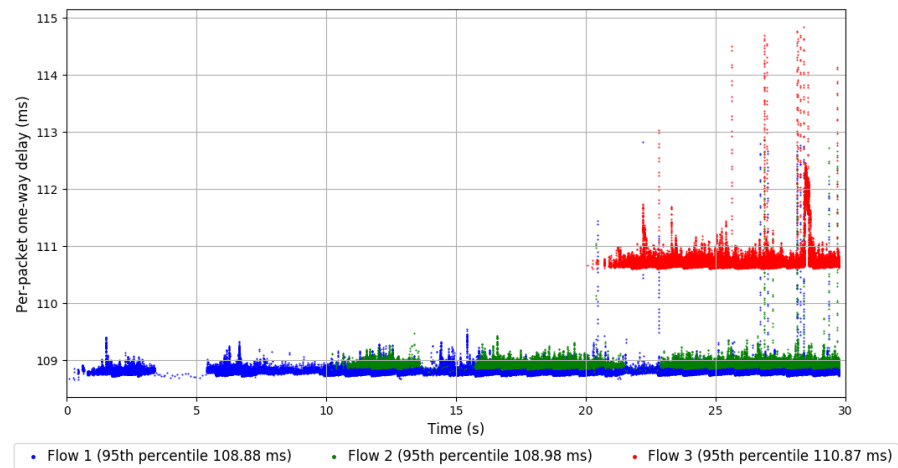
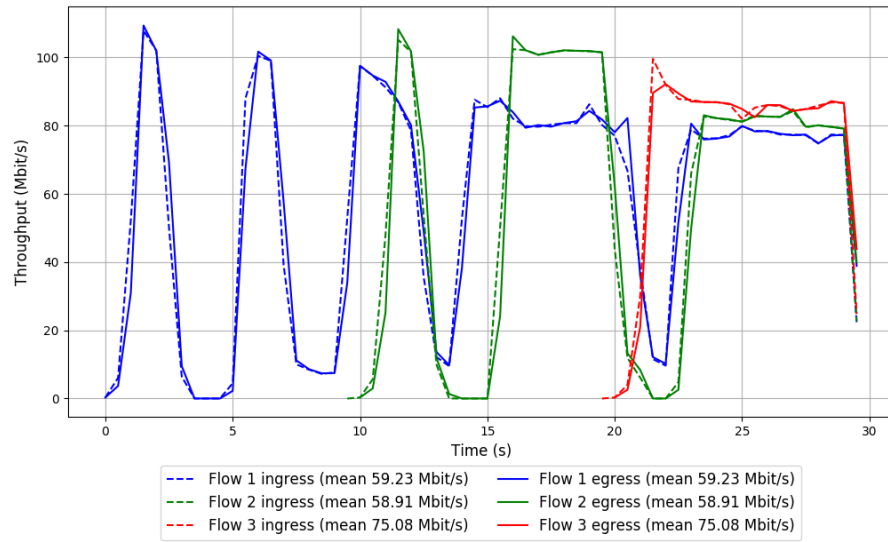


Run 8: Statistics of QUIC Cubic

Start at: 2017-09-22 01:17:59
End at: 2017-09-22 01:18:29
Local clock offset: 0.099 ms
Remote clock offset: 19.732 ms

Below is generated by plot.py at 2017-09-22 03:32:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.92 Mbit/s
95th percentile per-packet one-way delay: 110.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 108.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 108.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 110.871 ms
Loss rate: 0.02%

Run 8: Report of QUIC Cubic — Data Link

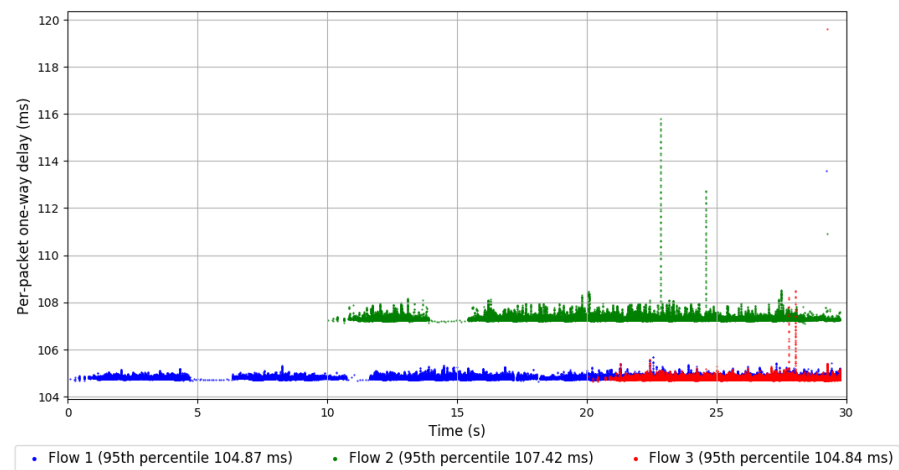
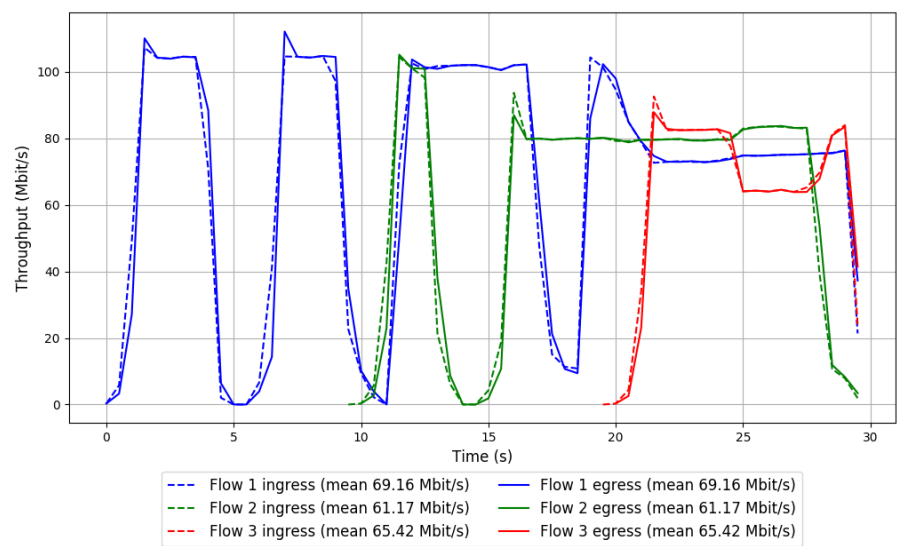


Run 9: Statistics of QUIC Cubic

Start at: 2017-09-22 01:38:30
End at: 2017-09-22 01:39:00
Local clock offset: 0.122 ms
Remote clock offset: 15.913 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.20 Mbit/s
95th percentile per-packet one-way delay: 107.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 104.866 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 107.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 104.843 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

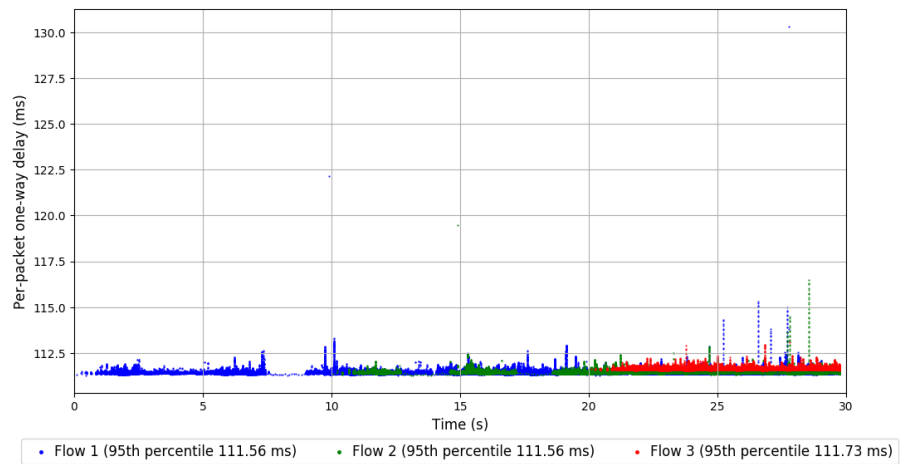
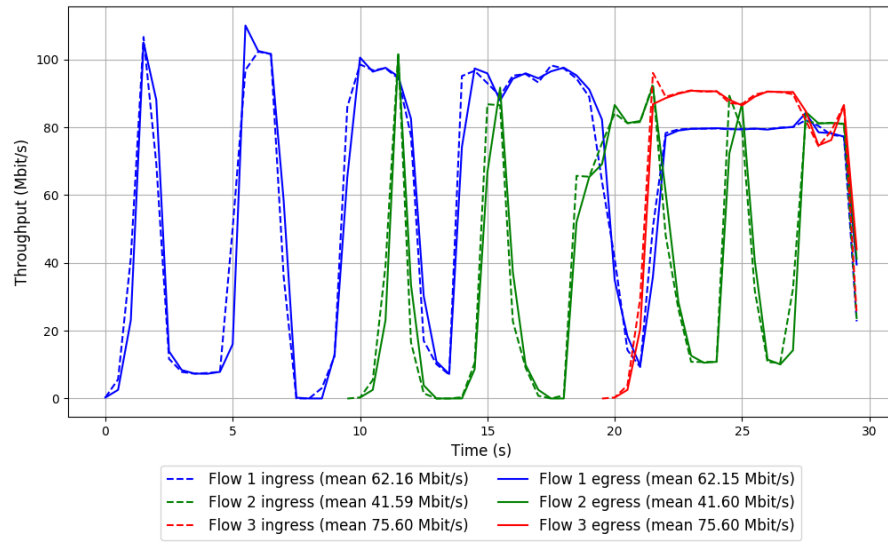


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-22 01:59:01
End at: 2017-09-22 01:59:31
Local clock offset: -0.047 ms
Remote clock offset: 20.791 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.45 Mbit/s
95th percentile per-packet one-way delay: 111.670 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 111.559 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 111.556 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 111.729 ms
Loss rate: 0.03%

Run 10: Report of QUIC Cubic — Data Link

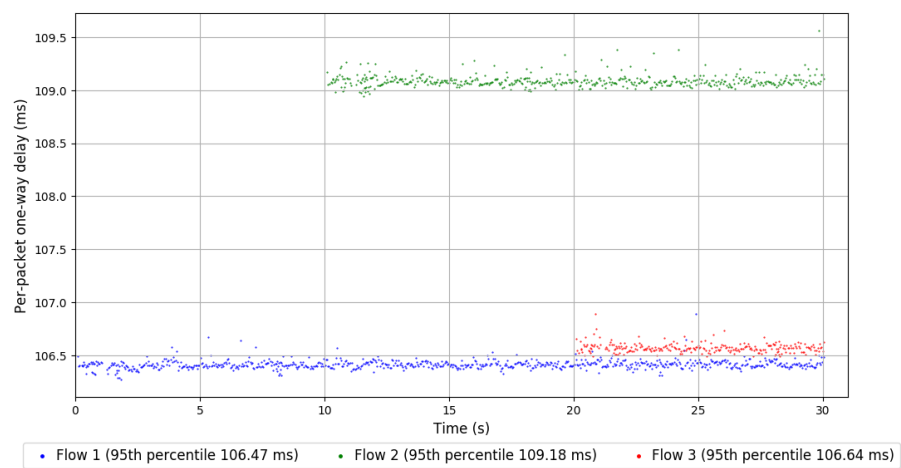
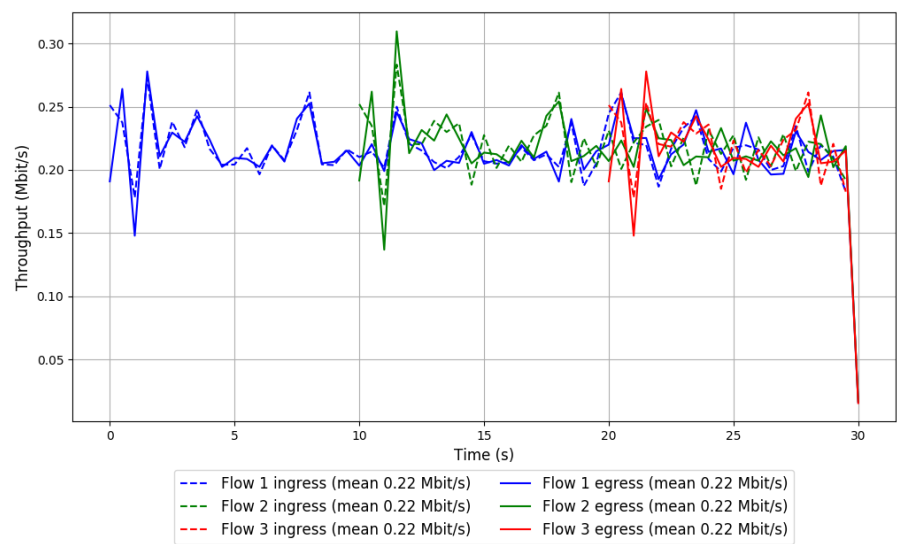


Run 1: Statistics of SReAM

Start at: 2017-09-21 22:49:35
End at: 2017-09-21 22:50:05
Local clock offset: 0.024 ms
Remote clock offset: 17.677 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.183 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.638 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

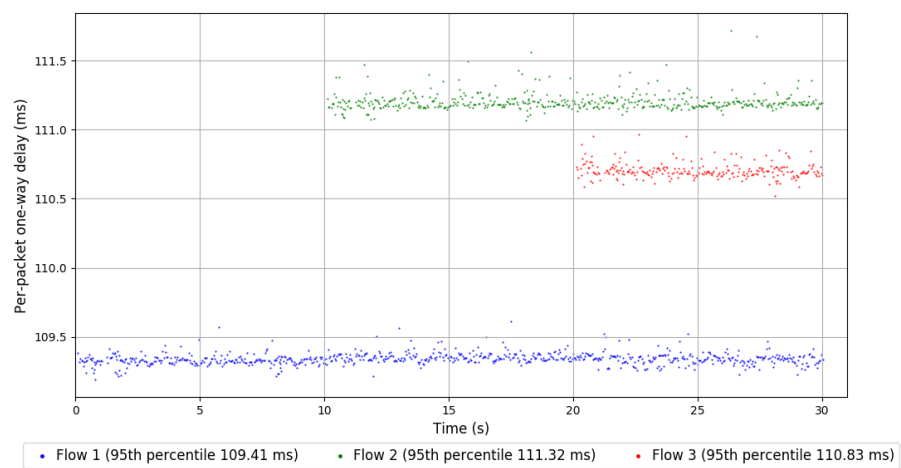
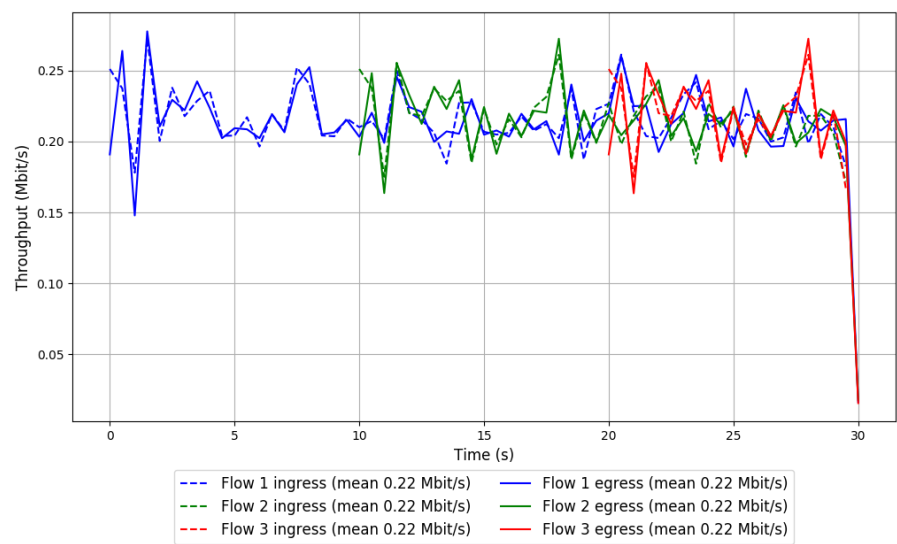


Run 2: Statistics of SReAM

Start at: 2017-09-21 23:10:06
End at: 2017-09-21 23:10:36
Local clock offset: 0.077 ms
Remote clock offset: 19.964 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.316 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.825 ms
Loss rate: 0.00%

Run 2: Report of SCSReAM — Data Link



Run 3: Statistics of SCReAM

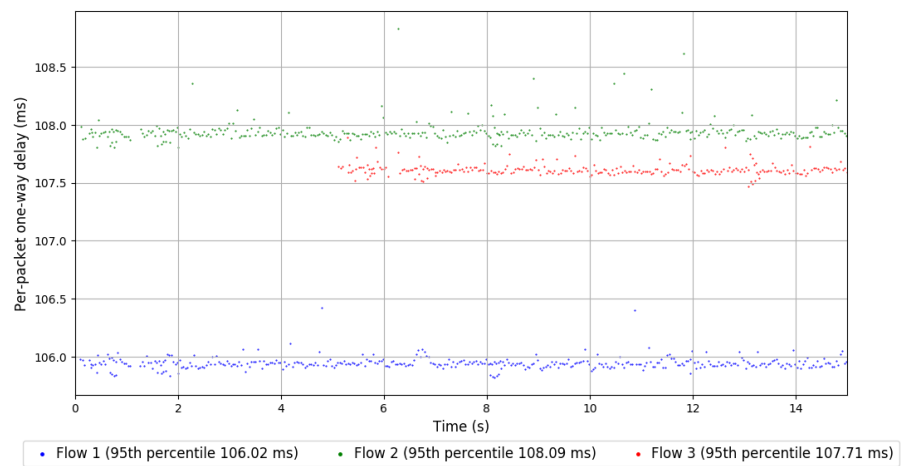
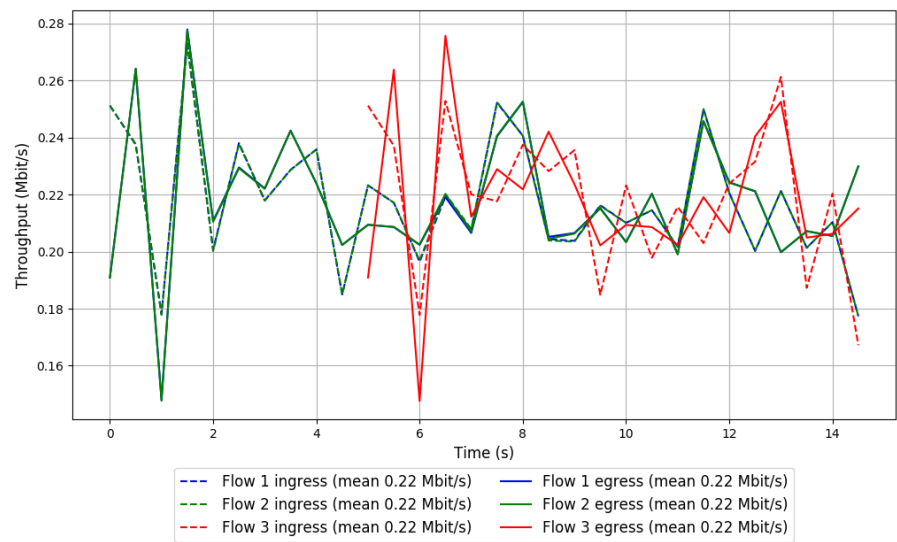
Start at: 2017-09-21 23:30:46

End at: 2017-09-21 23:31:16

Local clock offset: 0.072 ms

Remote clock offset: 16.531 ms

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

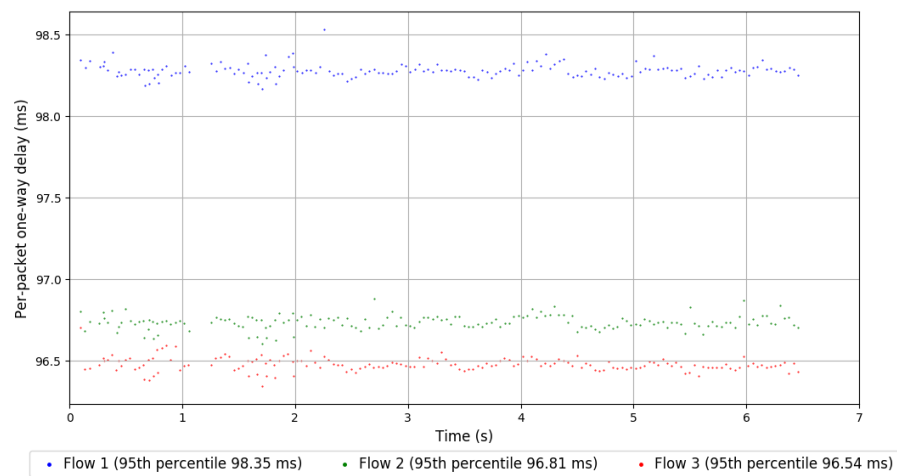
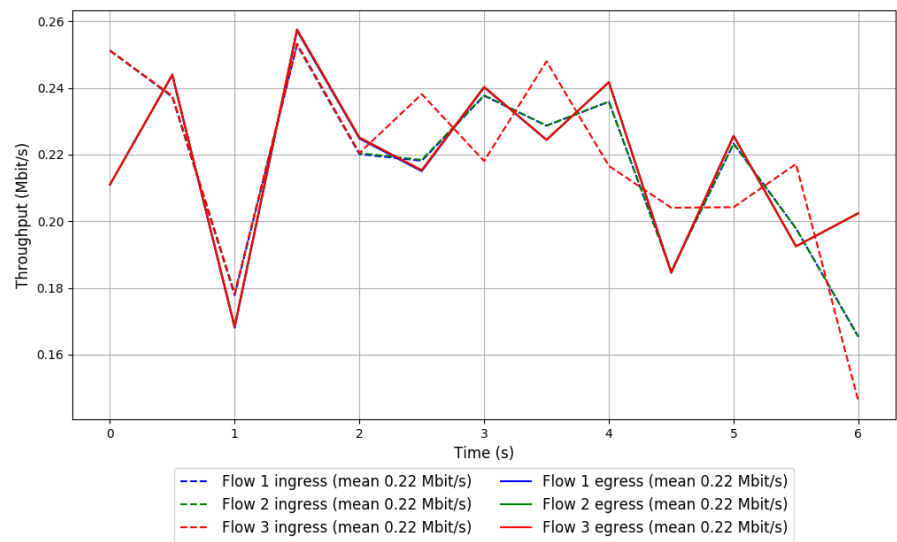
Start at: 2017-09-21 23:51:41

End at: 2017-09-21 23:52:11

Local clock offset: 0.074 ms

Remote clock offset: 6.803 ms

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2017-09-22 00:12:19

End at: 2017-09-22 00:12:49

Local clock offset: 0.186 ms

Remote clock offset: 6.636 ms

Below is generated by plot.py at 2017-09-22 03:33:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 96.866 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.605 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.419 ms

Loss rate: 0.00%

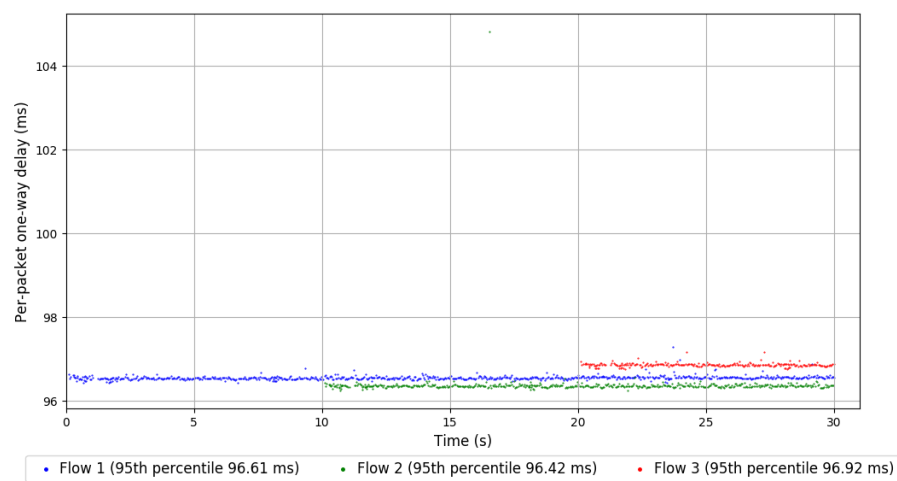
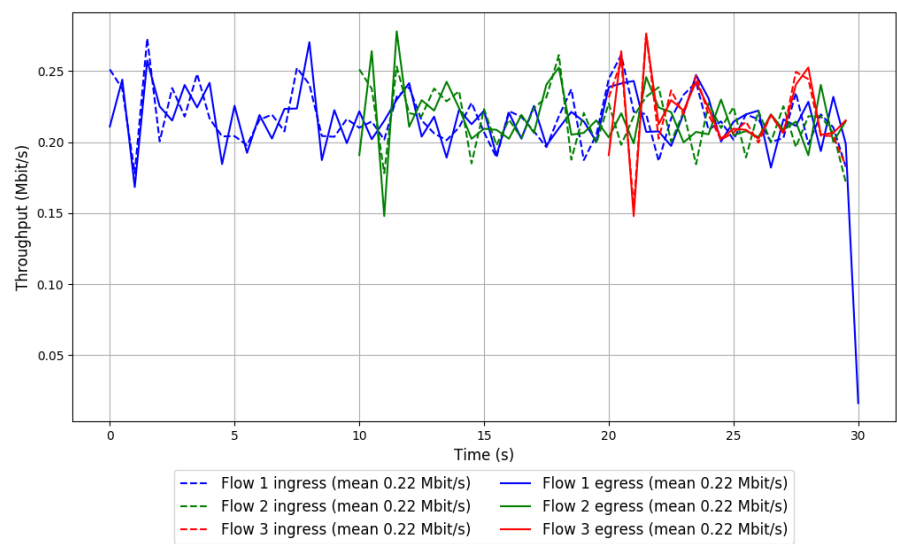
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.916 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

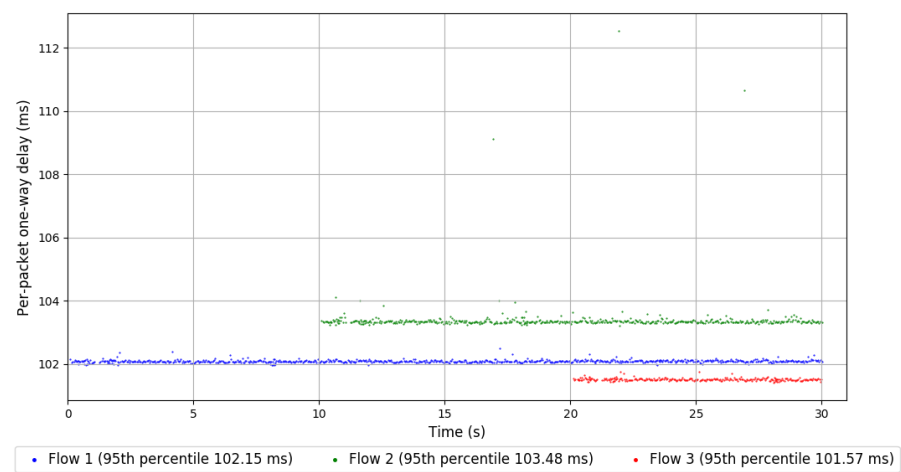
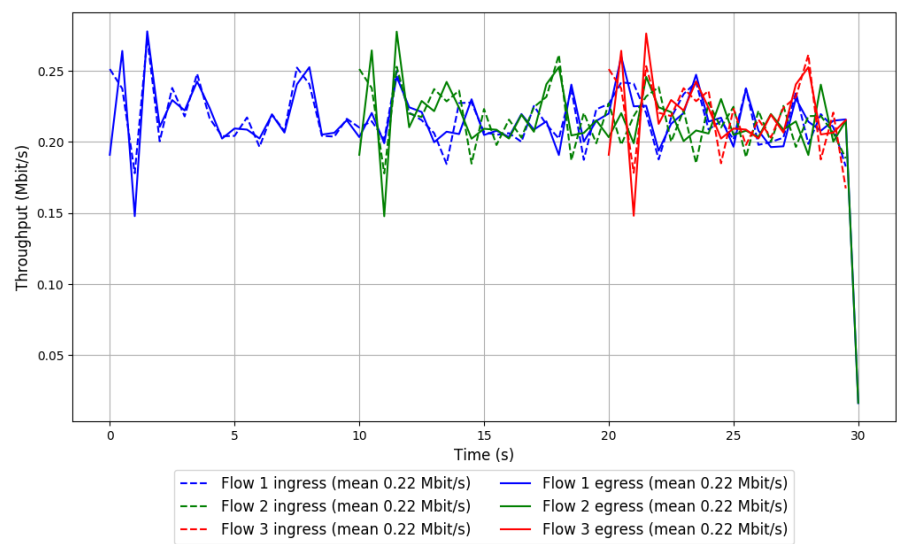


Run 6: Statistics of SReAM

Start at: 2017-09-22 00:32:55
End at: 2017-09-22 00:33:25
Local clock offset: 0.121 ms
Remote clock offset: 11.564 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 103.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.570 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

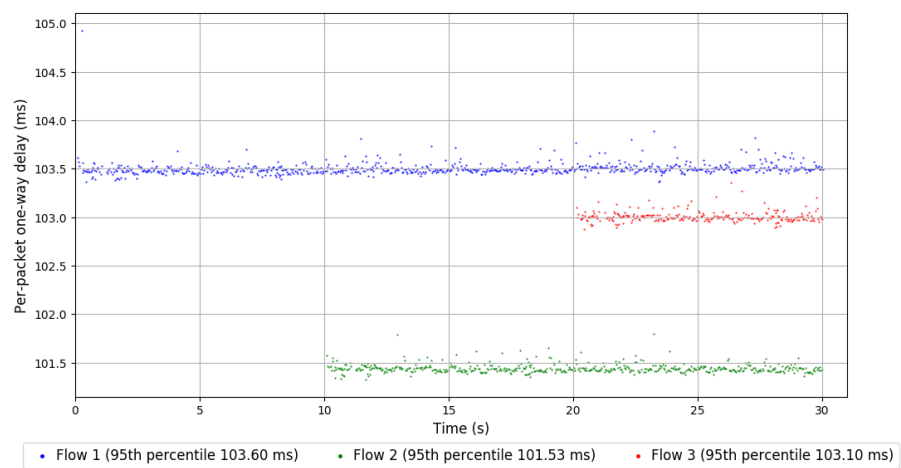
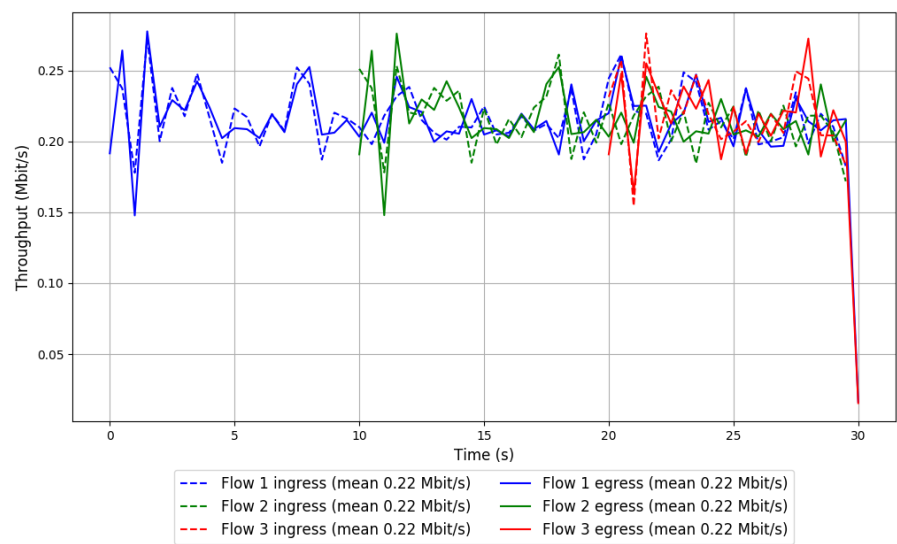


Run 7: Statistics of SReAM

Start at: 2017-09-22 00:53:17
End at: 2017-09-22 00:53:47
Local clock offset: 0.031 ms
Remote clock offset: 11.857 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 103.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.598 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.528 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.104 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

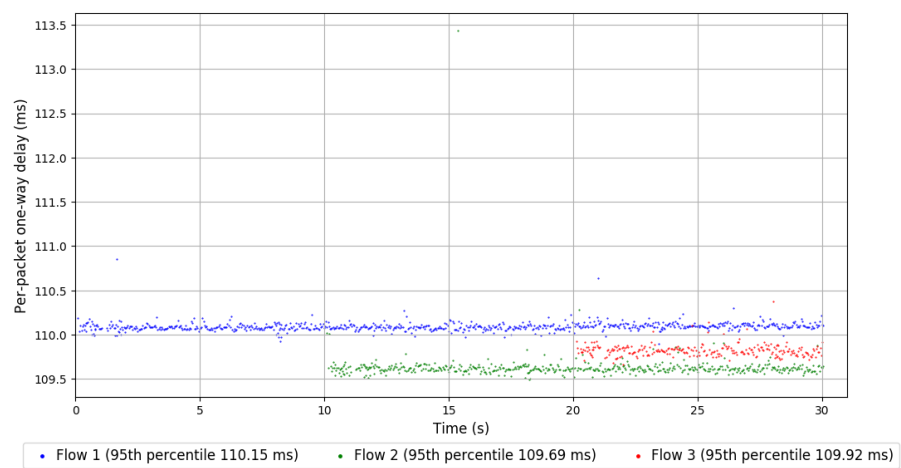
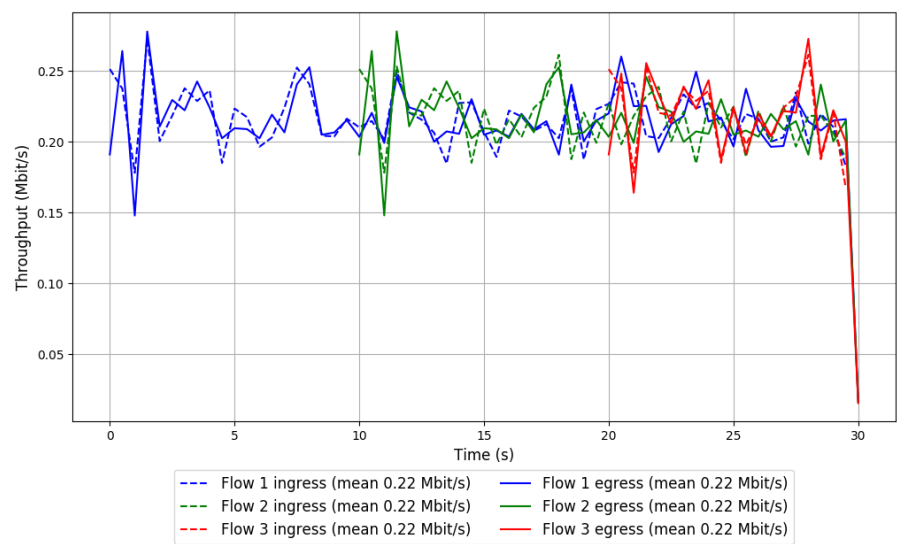


Run 8: Statistics of SReAM

Start at: 2017-09-22 01:13:42
End at: 2017-09-22 01:14:12
Local clock offset: 0.024 ms
Remote clock offset: 20.268 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 110.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.695 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.918 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

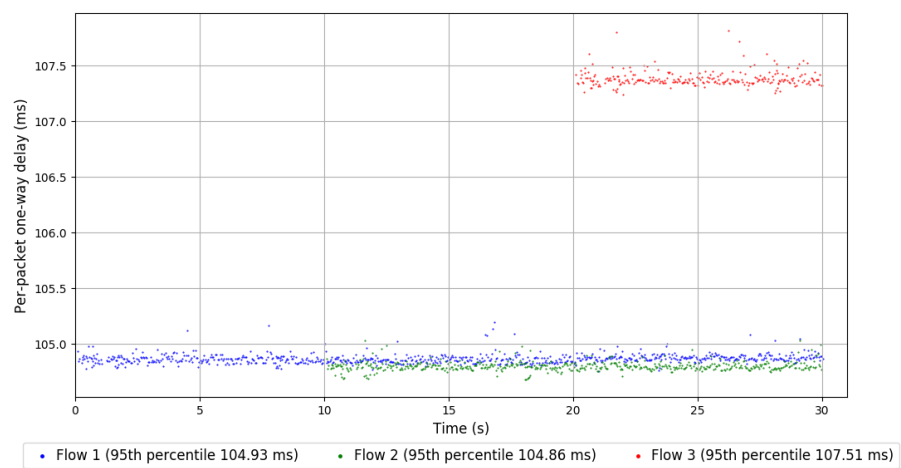
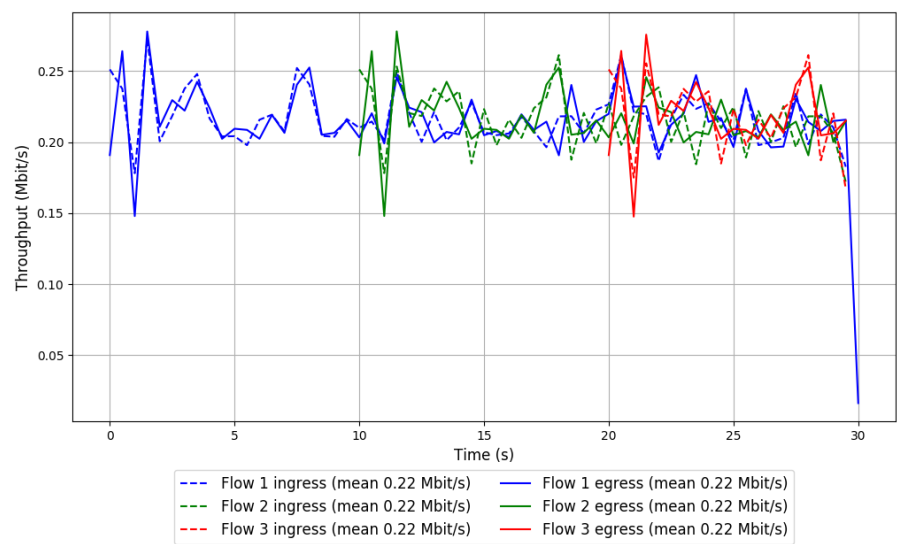


Run 9: Statistics of SReAM

Start at: 2017-09-22 01:34:01
End at: 2017-09-22 01:34:31
Local clock offset: 0.109 ms
Remote clock offset: 15.887 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 107.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.865 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.514 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

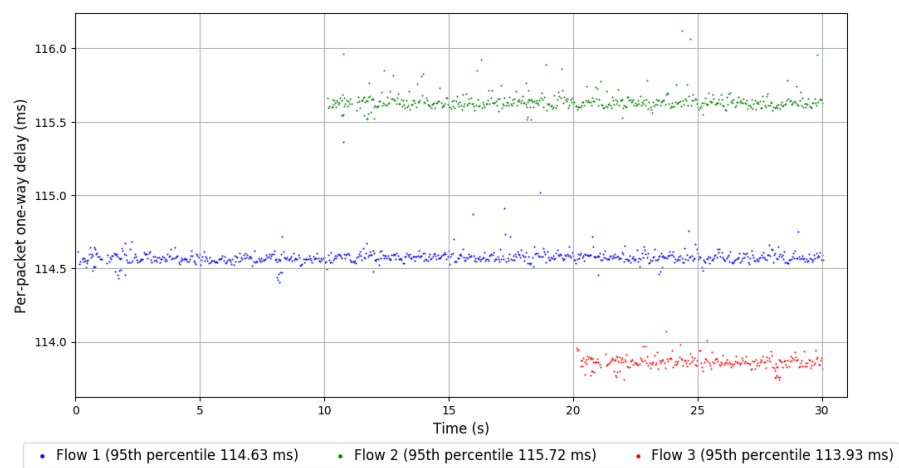
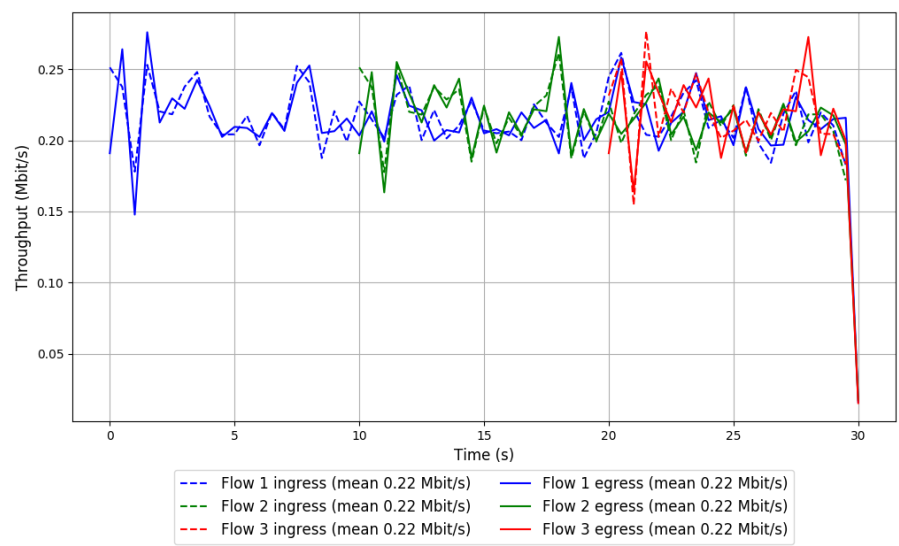


Run 10: Statistics of SCReAM

Start at: 2017-09-22 01:54:39
End at: 2017-09-22 01:55:09
Local clock offset: 0.011 ms
Remote clock offset: 24.964 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 115.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 115.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.933 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-09-21 22:57:54

End at: 2017-09-21 22:58:24

Local clock offset: 0.061 ms

Remote clock offset: 23.38 ms

Below is generated by plot.py at 2017-09-22 03:33:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.75 Mbit/s

95th percentile per-packet one-way delay: 114.422 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 114.130 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 114.498 ms

Loss rate: 0.00%

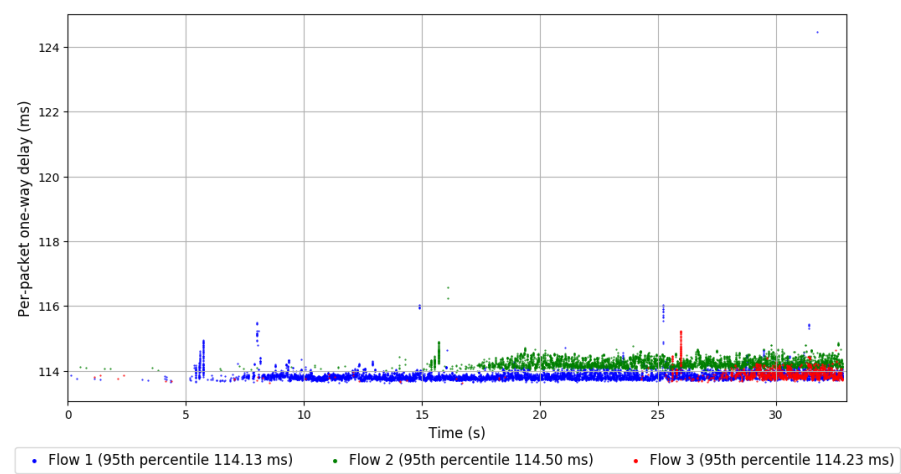
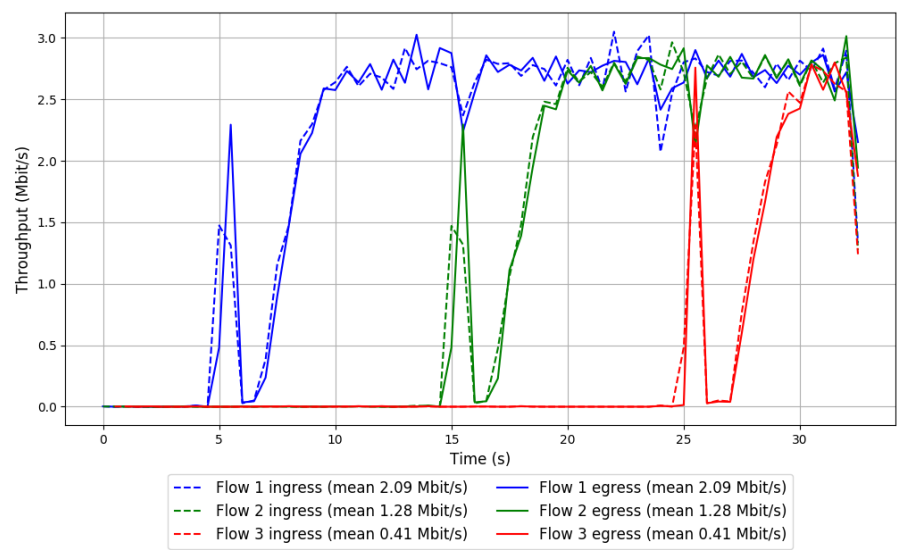
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 114.228 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

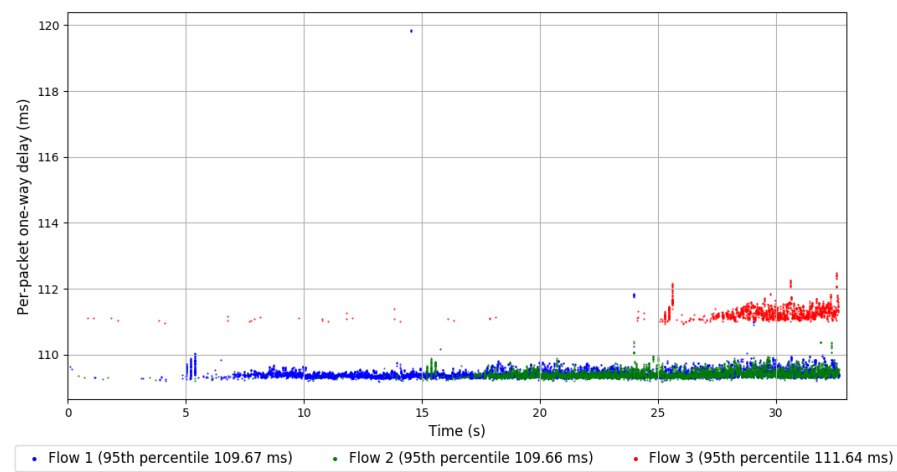
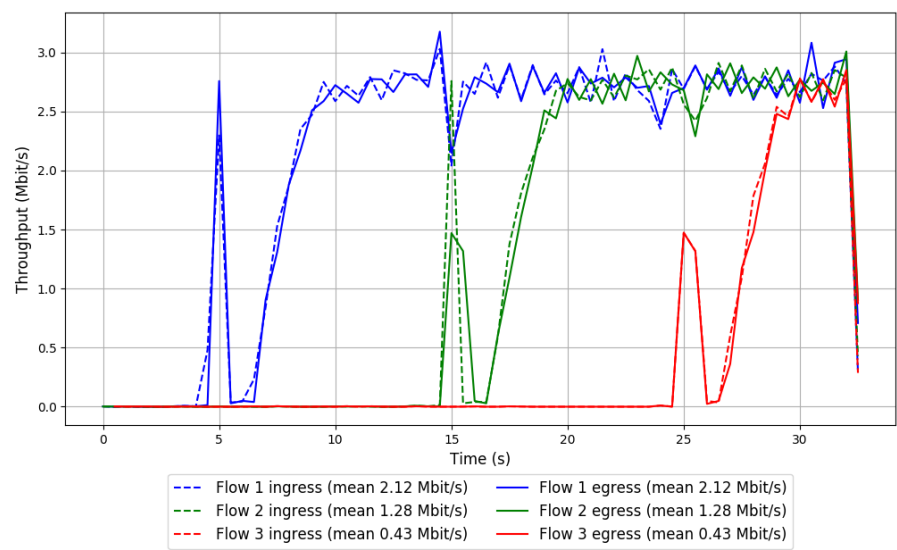


Run 2: Statistics of WebRTC media

Start at: 2017-09-21 23:18:27
End at: 2017-09-21 23:18:57
Local clock offset: -0.001 ms
Remote clock offset: 20.104 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 111.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 109.671 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 109.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.643 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

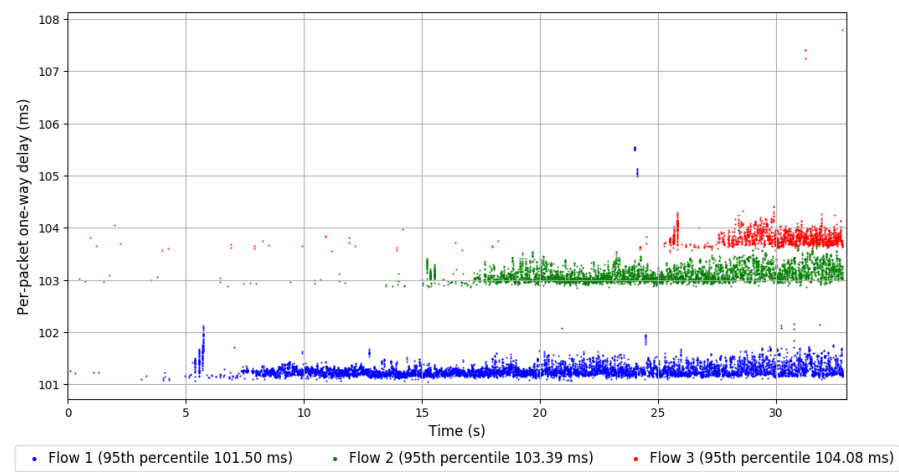
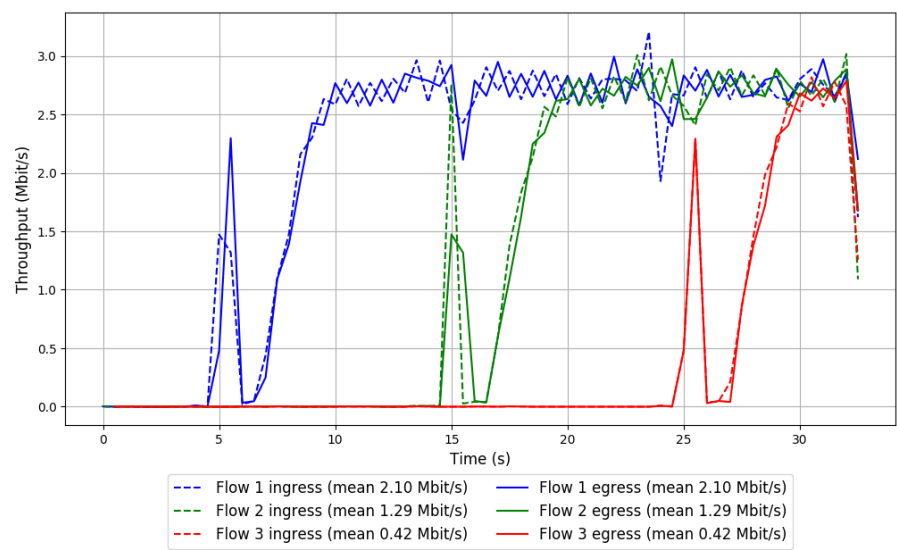


Run 3: Statistics of WebRTC media

Start at: 2017-09-21 23:39:22
End at: 2017-09-21 23:39:52
Local clock offset: 0.002 ms
Remote clock offset: 11.614 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 103.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 101.502 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 103.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 104.080 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

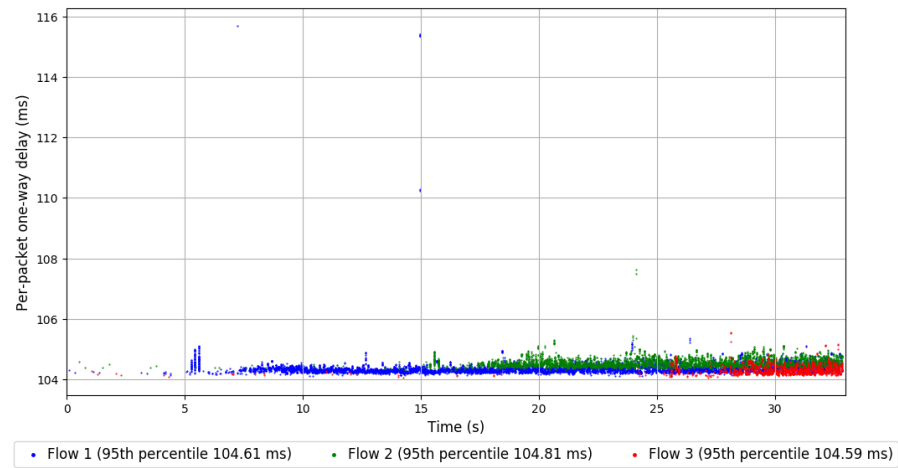
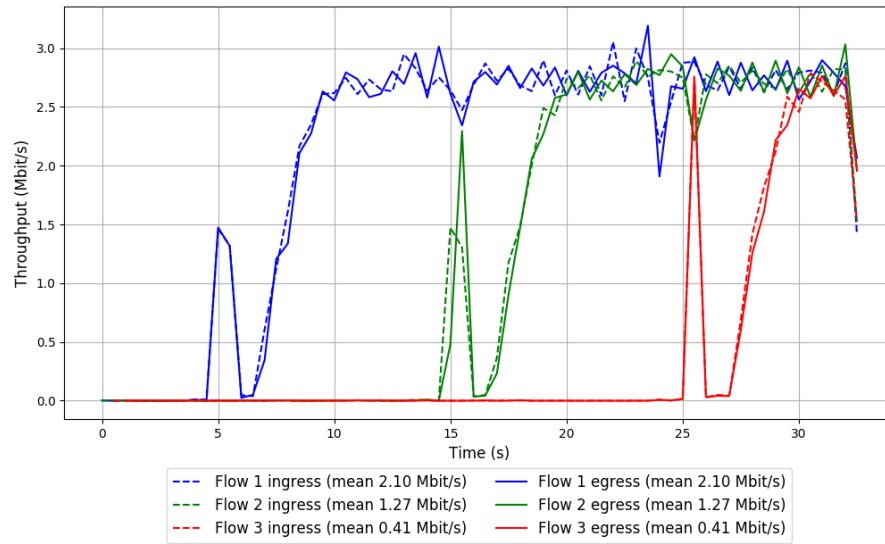


Run 4: Statistics of WebRTC media

Start at: 2017-09-22 00:00:15
End at: 2017-09-22 00:00:45
Local clock offset: 0.022 ms
Remote clock offset: 12.578 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 104.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 104.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 104.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 104.595 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

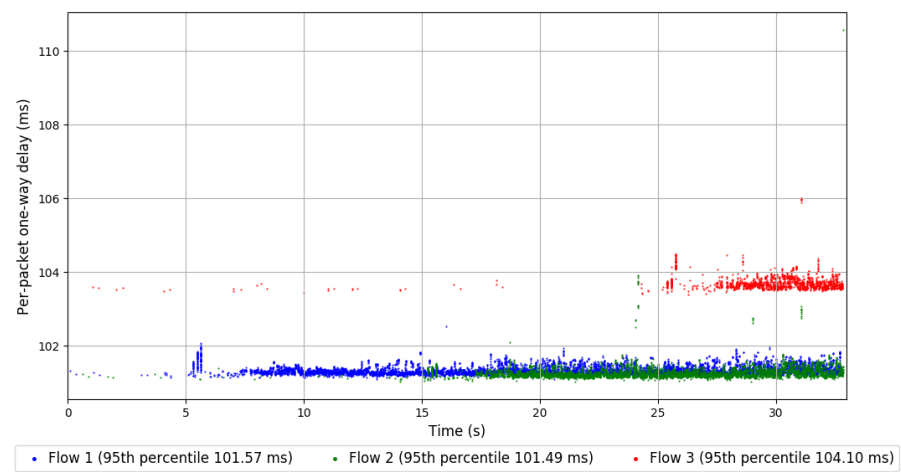
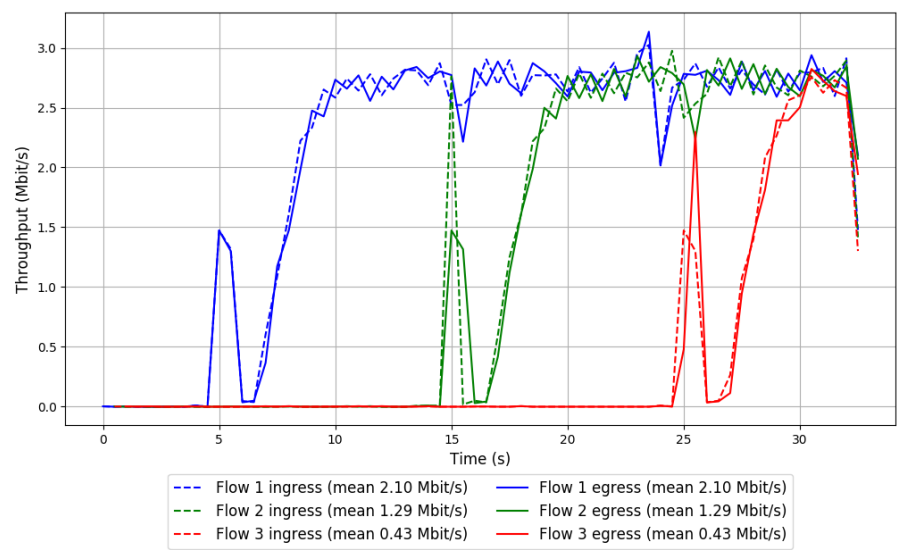


Run 5: Statistics of WebRTC media

Start at: 2017-09-22 00:20:53
End at: 2017-09-22 00:21:23
Local clock offset: 0.124 ms
Remote clock offset: 11.506 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 103.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 101.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 101.490 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 104.104 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-22 00:41:17

End at: 2017-09-22 00:41:47

Local clock offset: 0.08 ms

Remote clock offset: 6.777 ms

Below is generated by plot.py at 2017-09-22 03:33:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 98.175 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 98.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 96.999 ms

Loss rate: 0.00%

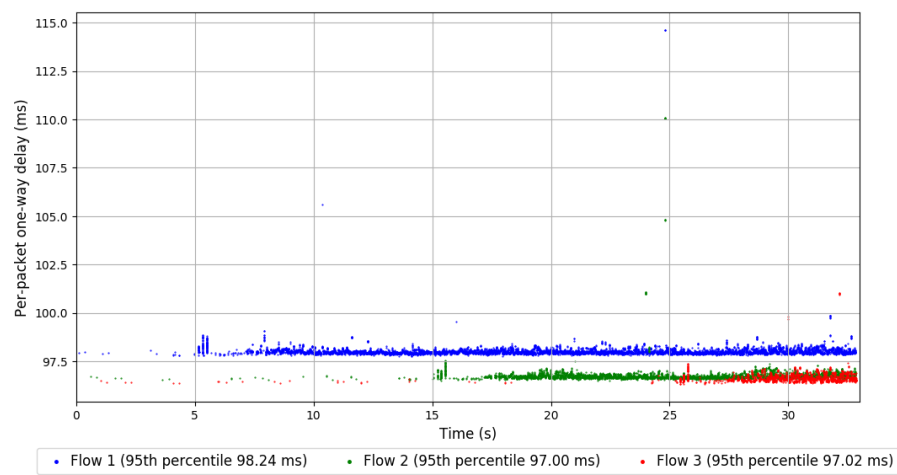
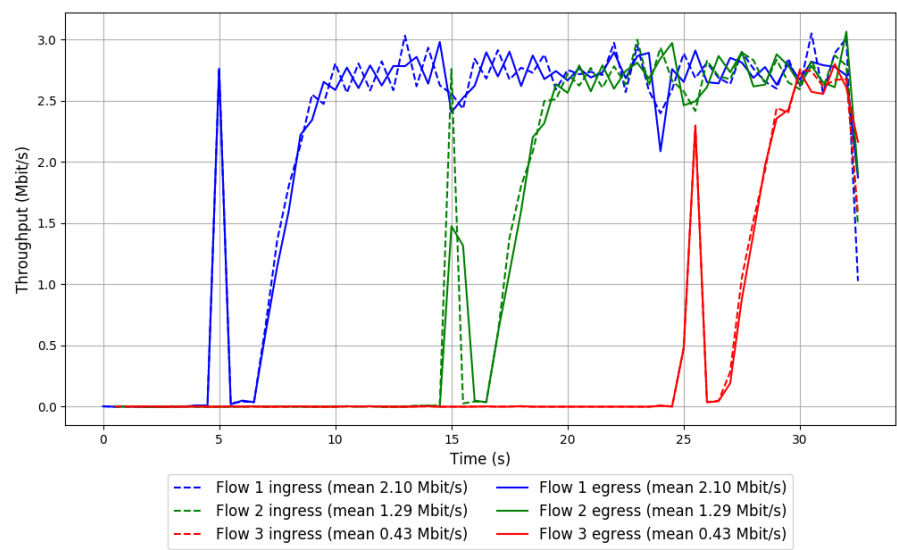
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 97.022 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

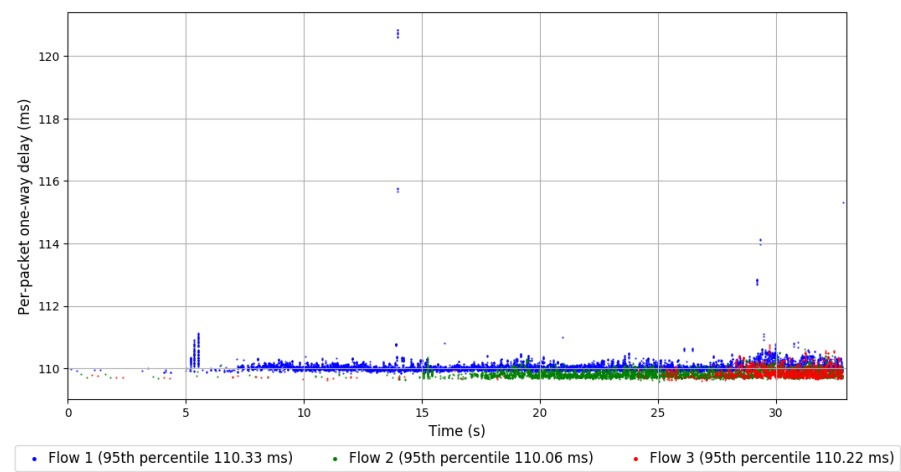
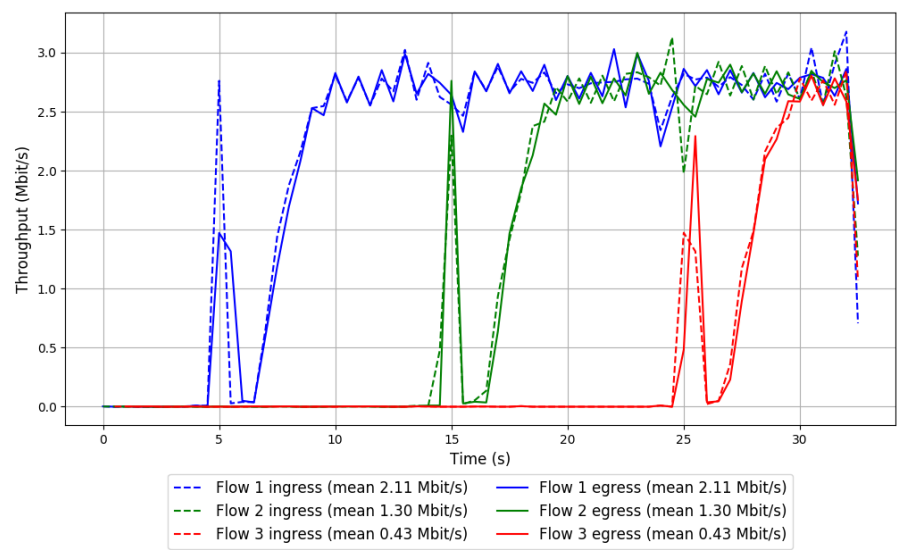


Run 7: Statistics of WebRTC media

Start at: 2017-09-22 01:01:46
End at: 2017-09-22 01:02:16
Local clock offset: 0.115 ms
Remote clock offset: 20.276 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 110.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 110.326 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 110.057 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.225 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

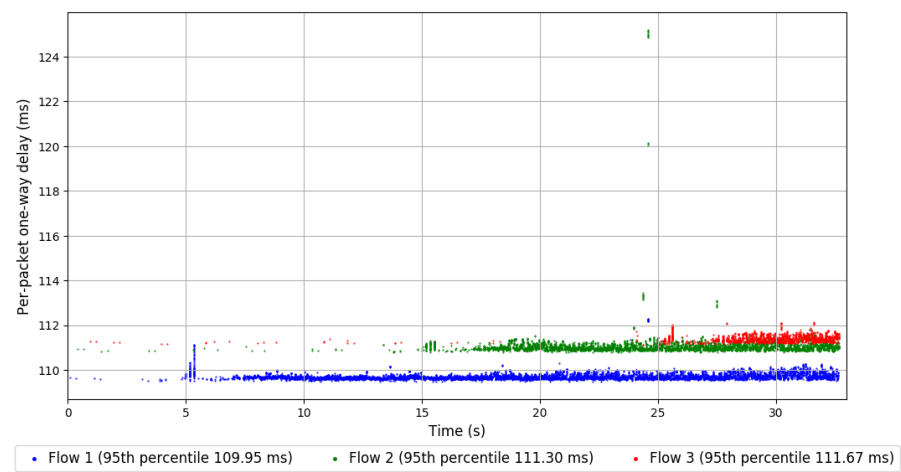
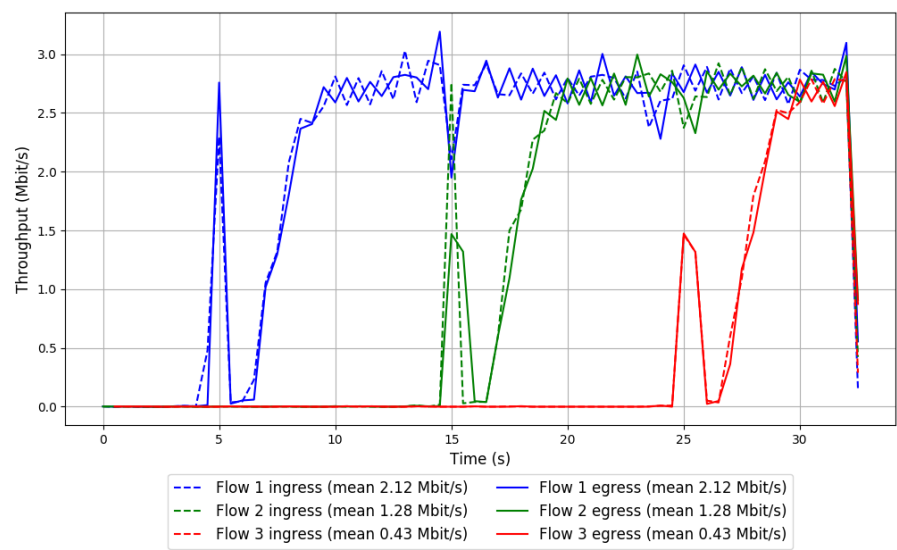


Run 8: Statistics of WebRTC media

Start at: 2017-09-22 01:21:57
End at: 2017-09-22 01:22:27
Local clock offset: 0.096 ms
Remote clock offset: 20.329 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 111.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 109.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 111.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.670 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

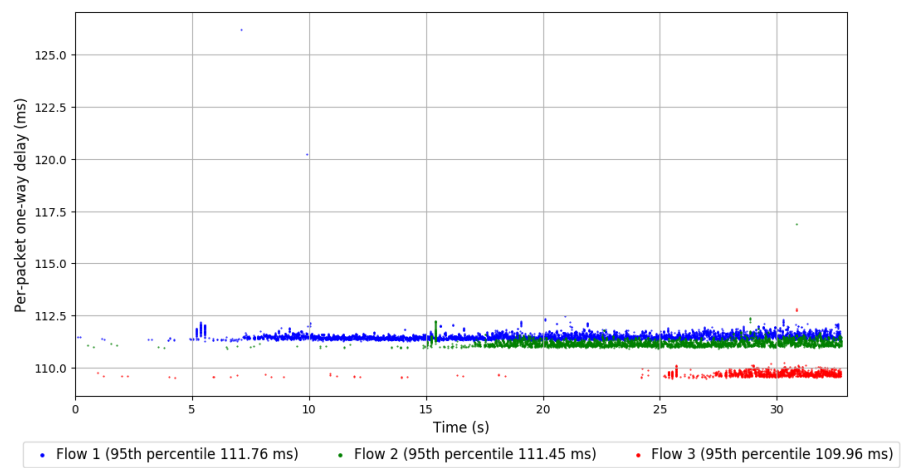
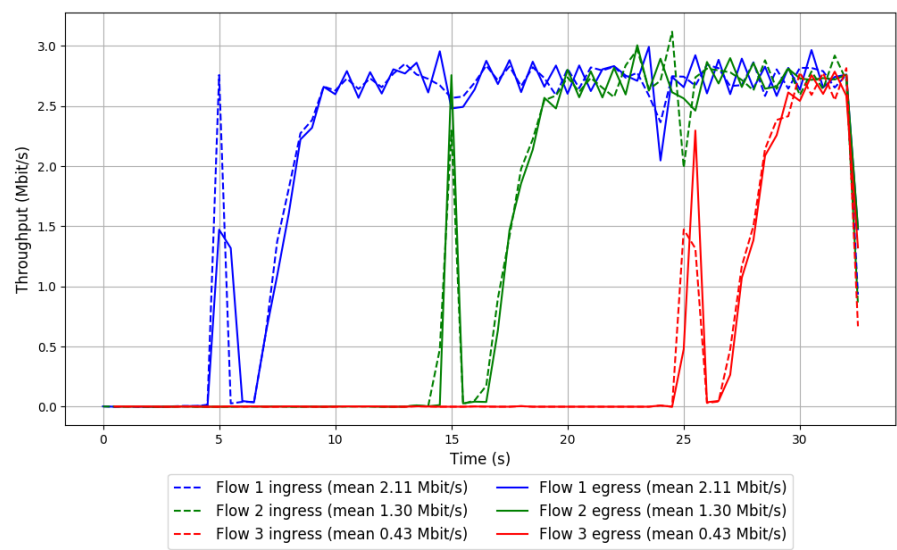


Run 9: Statistics of WebRTC media

Start at: 2017-09-22 01:42:33
End at: 2017-09-22 01:43:03
Local clock offset: 0.09 ms
Remote clock offset: 20.512 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 111.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 111.760 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 111.446 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 109.957 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

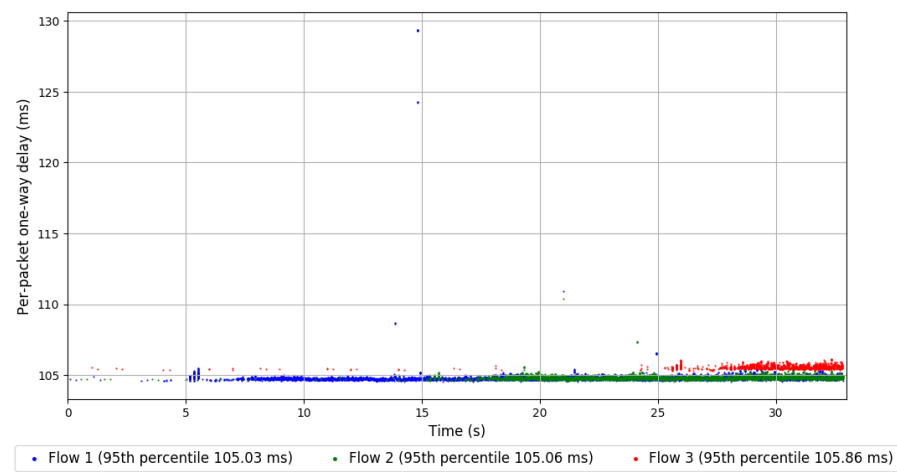
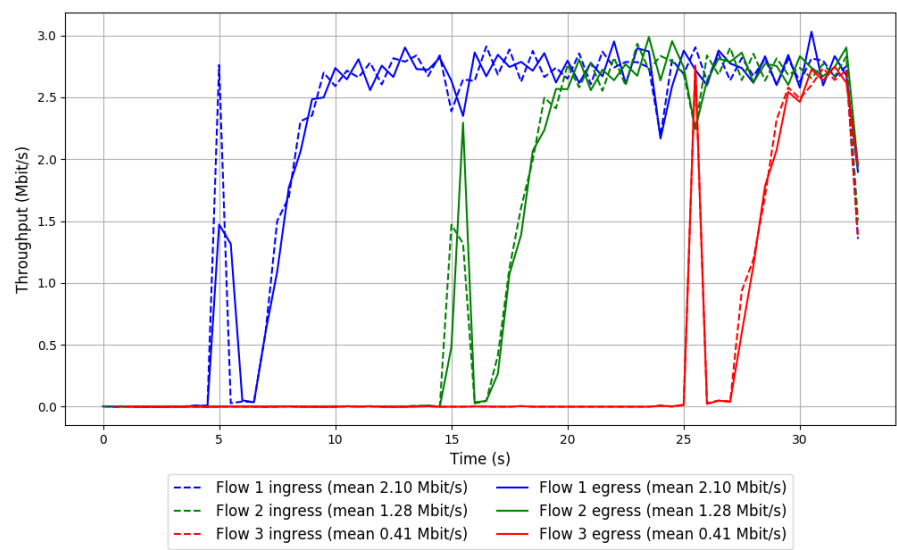


Run 10: Statistics of WebRTC media

Start at: 2017-09-22 02:02:59
End at: 2017-09-22 02:03:29
Local clock offset: -0.004 ms
Remote clock offset: 15.924 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 105.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 105.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 105.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 105.859 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-21 23:07:14

End at: 2017-09-21 23:07:44

Local clock offset: 0.06 ms

Remote clock offset: 19.08 ms

Below is generated by plot.py at 2017-09-22 03:33:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 110.103 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 109.309 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 110.302 ms

Loss rate: 0.00%

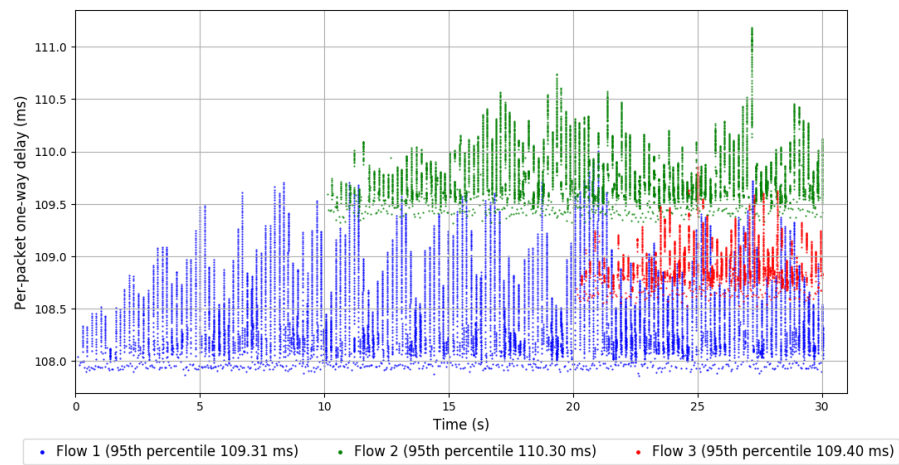
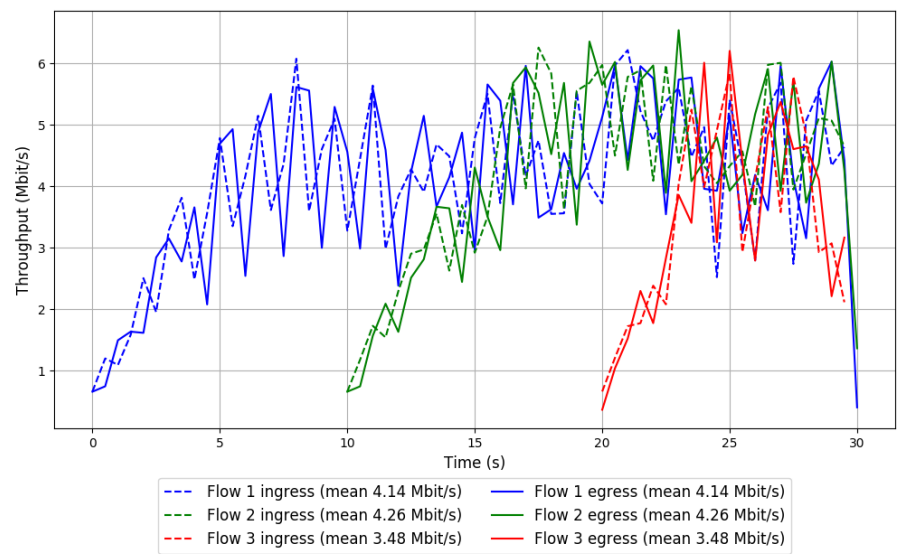
-- Flow 3:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 109.398 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

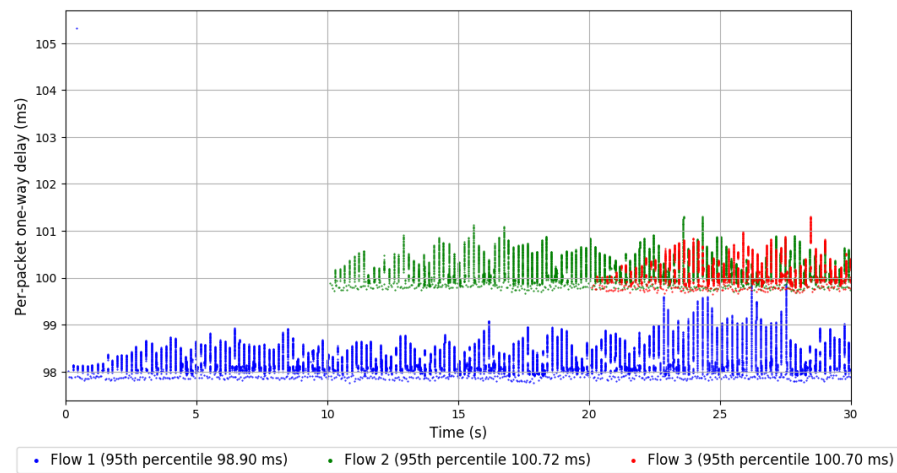
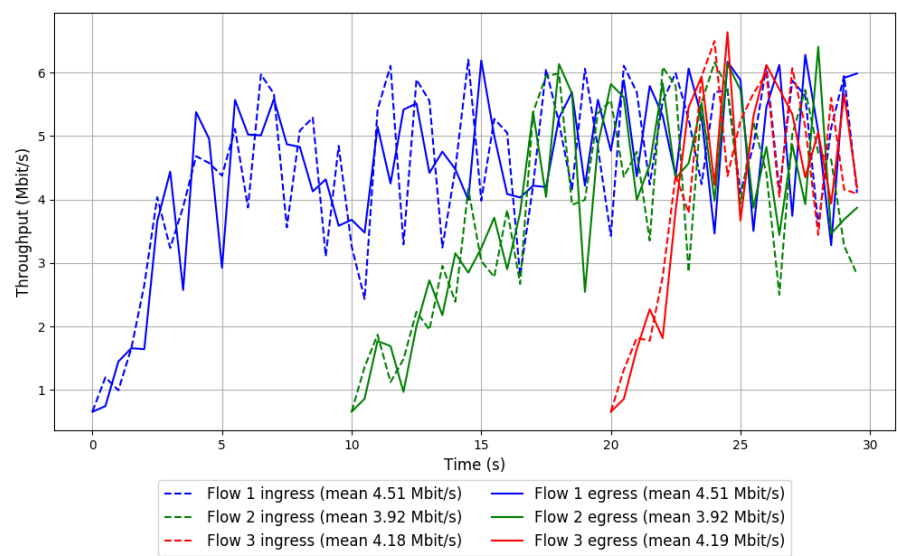


Run 2: Statistics of Sprout

Start at: 2017-09-21 23:27:54
End at: 2017-09-21 23:28:24
Local clock offset: 0.121 ms
Remote clock offset: 8.81 ms

```
# Below is generated by plot.py at 2017-09-22 03:33:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 100.594 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 98.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 100.719 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 100.704 ms
Loss rate: 0.08%
```

Run 2: Report of Sprout — Data Link

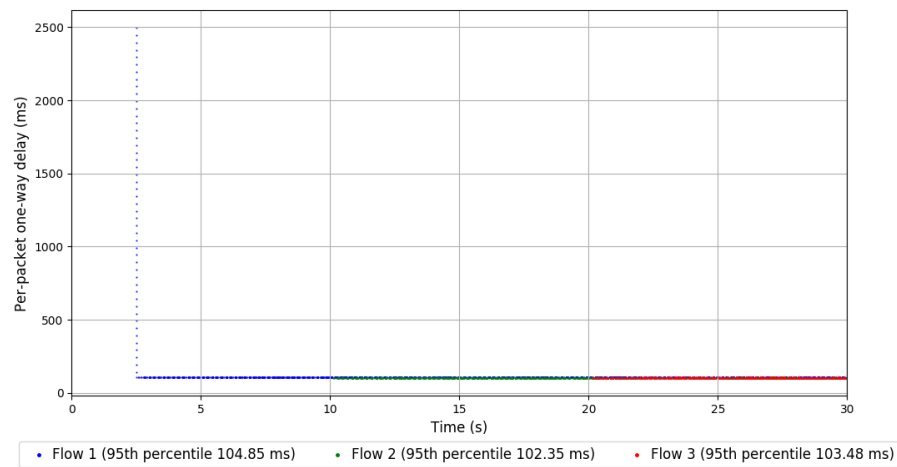
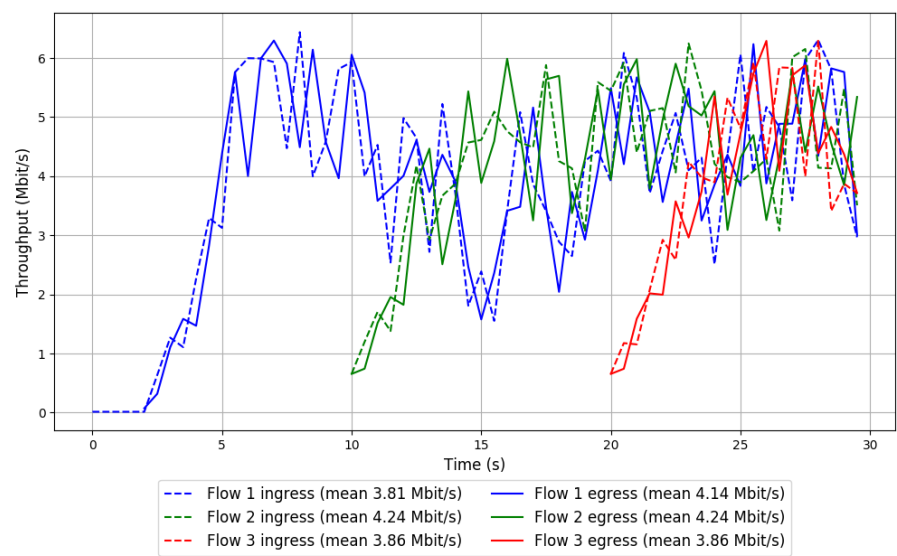


Run 3: Statistics of Sprout

Start at: 2017-09-21 23:49:06
End at: 2017-09-21 23:49:36
Local clock offset: 0.035 ms
Remote clock offset: 11.939 ms

```
# Below is generated by plot.py at 2017-09-22 03:33:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 104.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 104.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 102.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 103.485 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

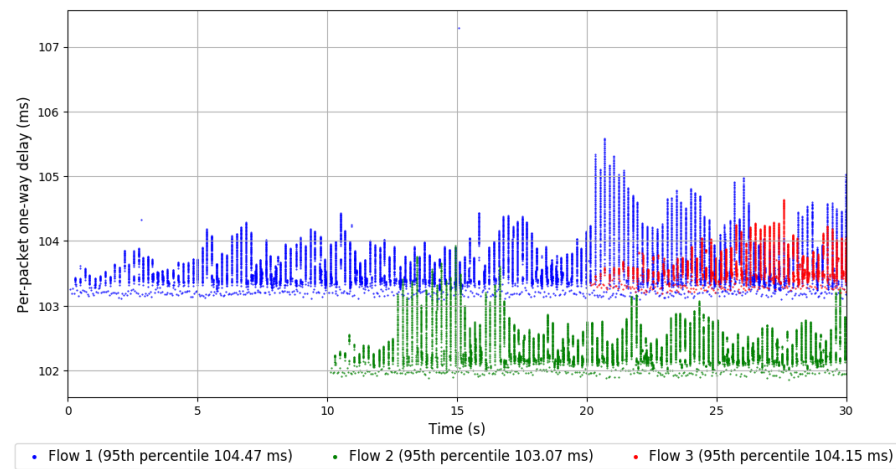
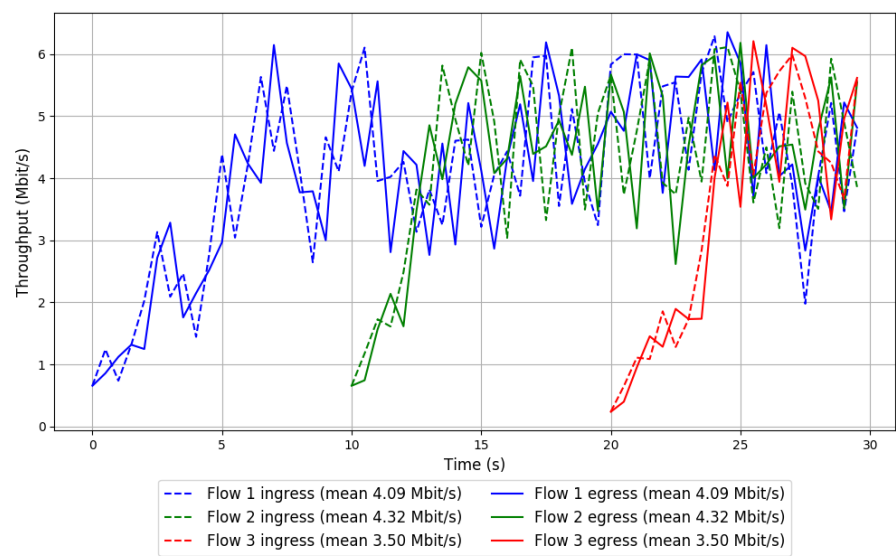


Run 4: Statistics of Sprout

Start at: 2017-09-22 00:09:29
End at: 2017-09-22 00:09:59
Local clock offset: 0.16 ms
Remote clock offset: 11.592 ms

```
# Below is generated by plot.py at 2017-09-22 03:33:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 104.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 104.467 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 103.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 104.148 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

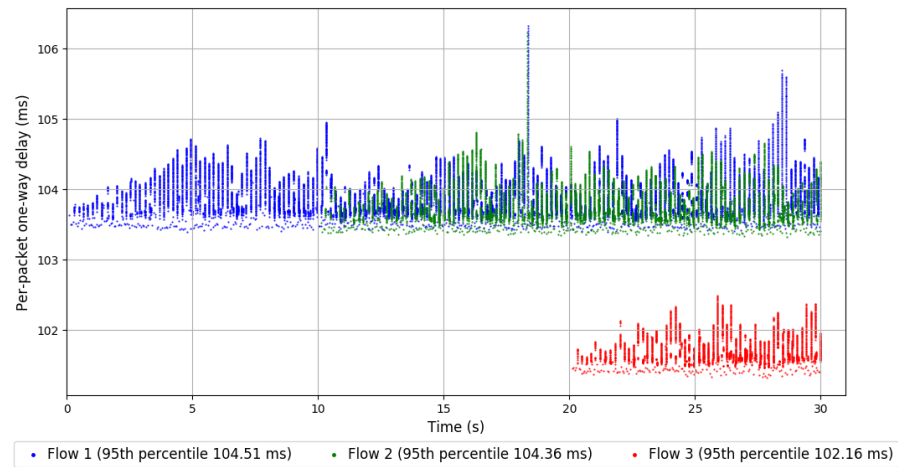
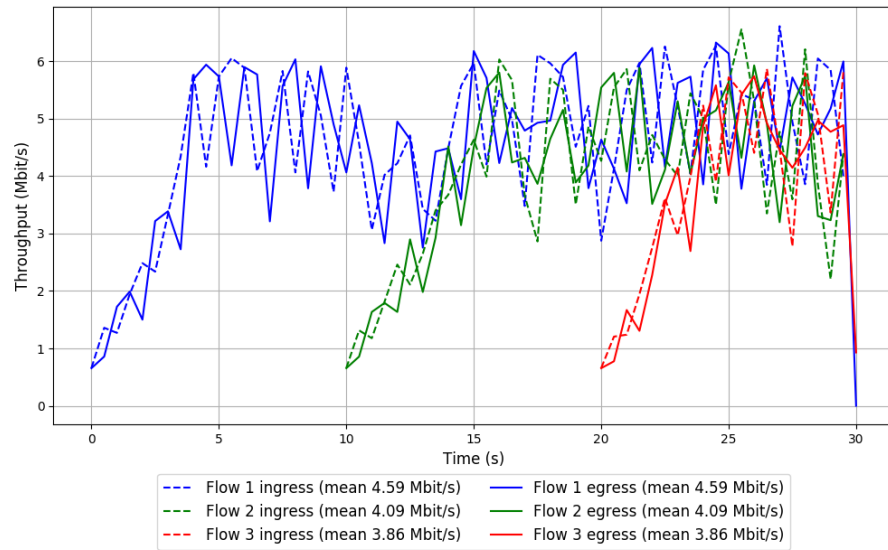


Run 5: Statistics of Sprout

Start at: 2017-09-22 00:30:08
End at: 2017-09-22 00:30:38
Local clock offset: 0.101 ms
Remote clock offset: 11.704 ms

```
# Below is generated by plot.py at 2017-09-22 03:33:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 104.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 104.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 104.358 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 102.161 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

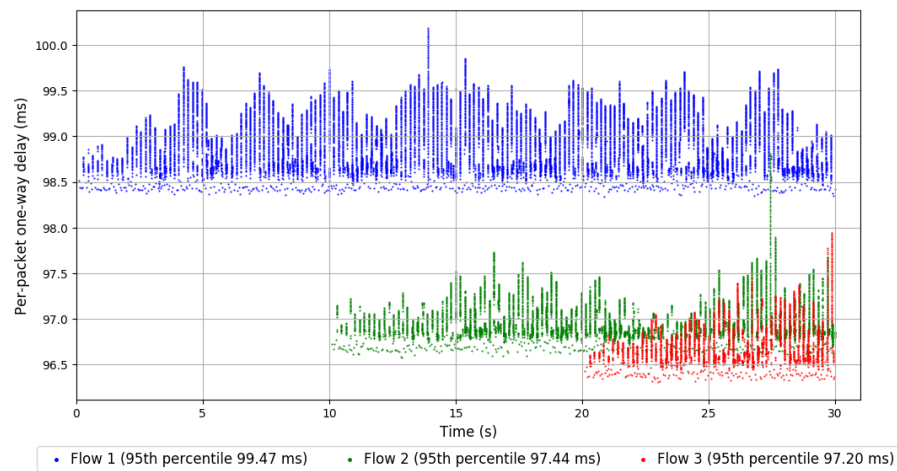
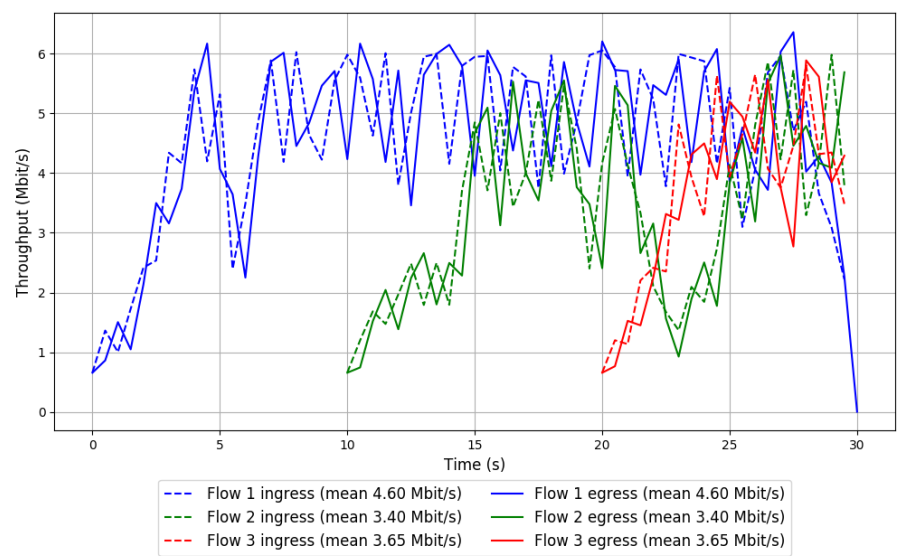


Run 6: Statistics of Sprout

Start at: 2017-09-22 00:50:30
End at: 2017-09-22 00:51:00
Local clock offset: 0.06 ms
Remote clock offset: 6.857 ms

```
# Below is generated by plot.py at 2017-09-22 03:33:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 99.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 99.467 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 97.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 97.198 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-09-22 01:11:02

End at: 2017-09-22 01:11:32

Local clock offset: 0.12 ms

Remote clock offset: 20.13 ms

Below is generated by plot.py at 2017-09-22 03:33:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.49 Mbit/s

95th percentile per-packet one-way delay: 112.106 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 112.012 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 112.180 ms

Loss rate: 0.00%

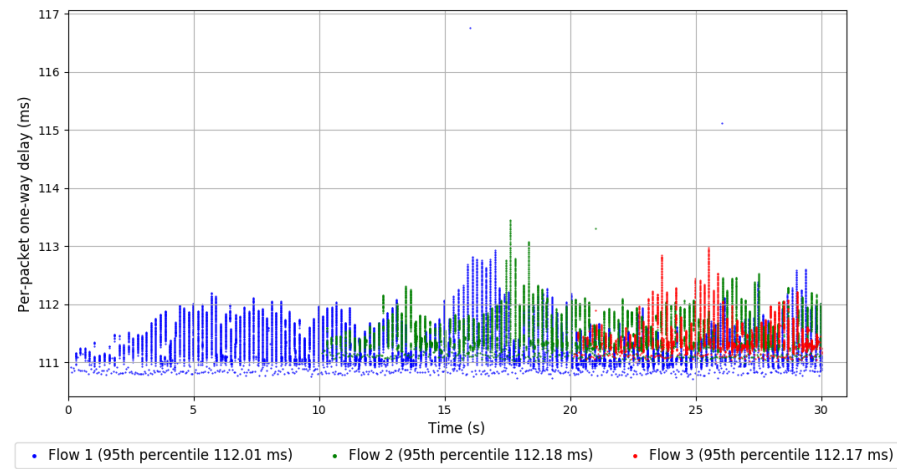
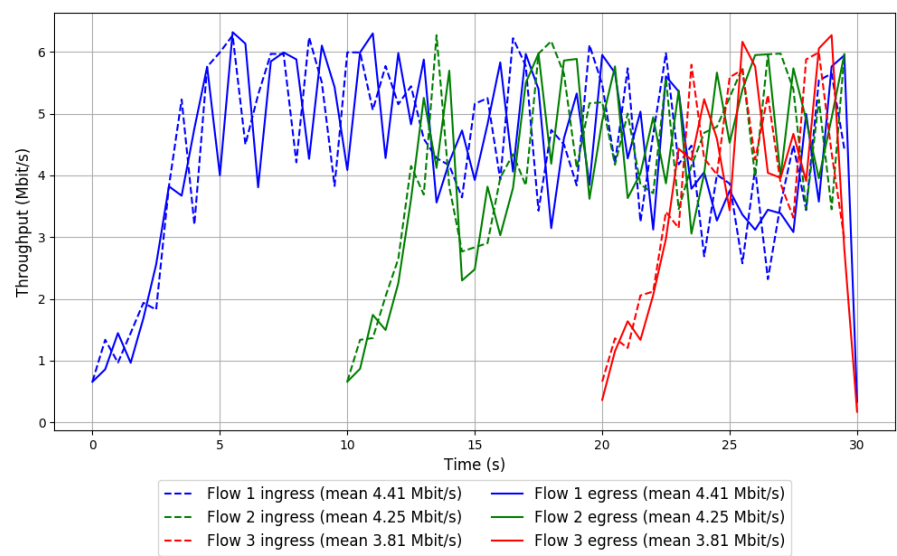
-- Flow 3:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 112.174 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

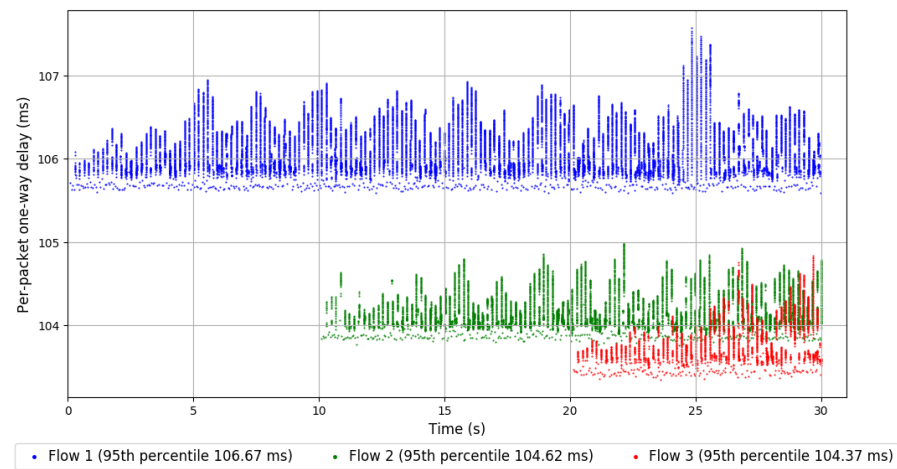
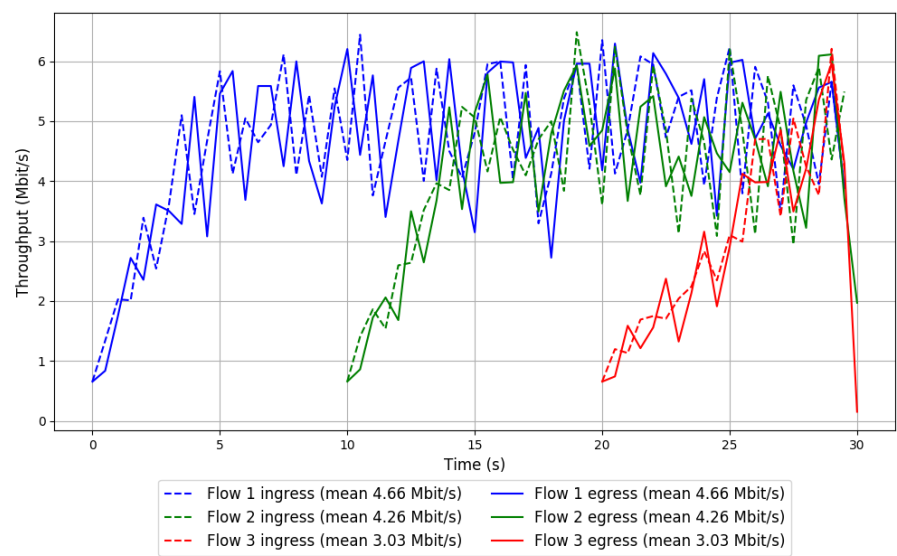


Run 8: Statistics of Sprout

Start at: 2017-09-22 01:31:13
End at: 2017-09-22 01:31:43
Local clock offset: 0.084 ms
Remote clock offset: 14.779 ms

```
# Below is generated by plot.py at 2017-09-22 03:33:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 106.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 106.672 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 104.617 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 104.368 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

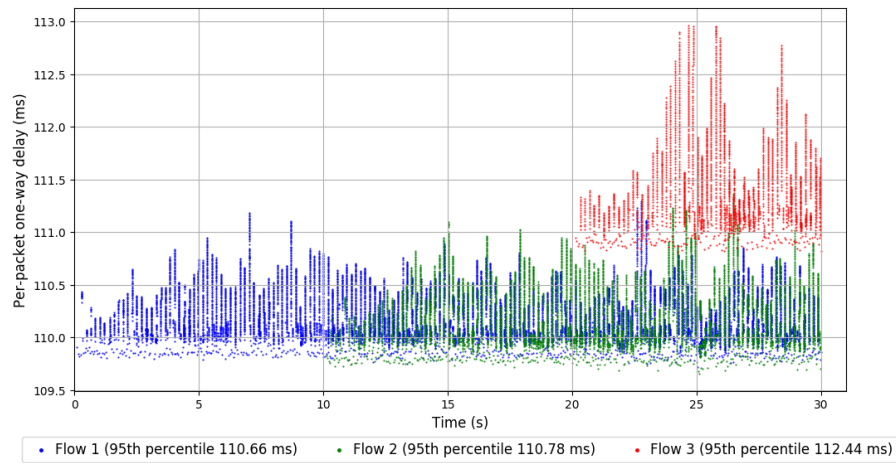
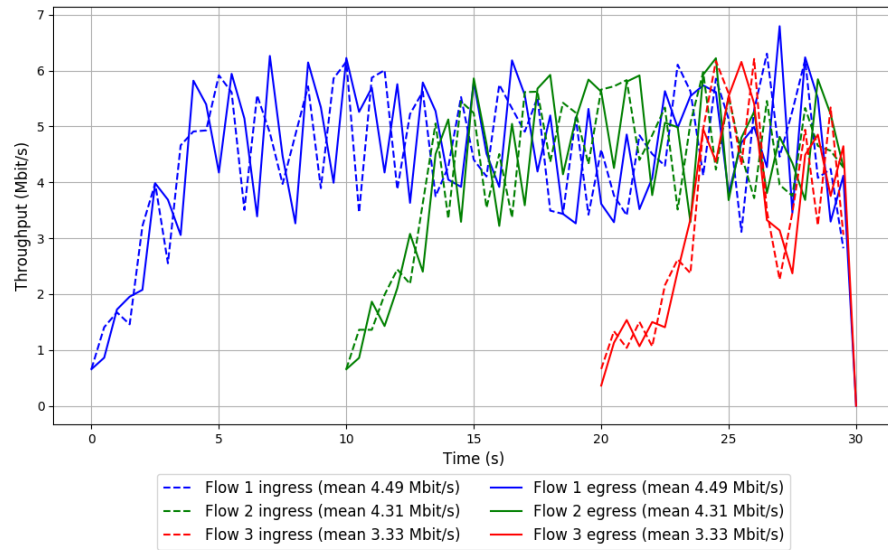


Run 9: Statistics of Sprout

Start at: 2017-09-22 01:51:48
End at: 2017-09-22 01:52:18
Local clock offset: 0.121 ms
Remote clock offset: 20.445 ms

Below is generated by plot.py at 2017-09-22 03:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 111.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 110.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 110.784 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 112.437 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-09-22 02:12:19

End at: 2017-09-22 02:12:49

Local clock offset: -0.0 ms

Remote clock offset: 26.78 ms

Below is generated by plot.py at 2017-09-22 03:33:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 118.570 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.36 Mbit/s

95th percentile per-packet one-way delay: 118.730 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 116.313 ms

Loss rate: 0.00%

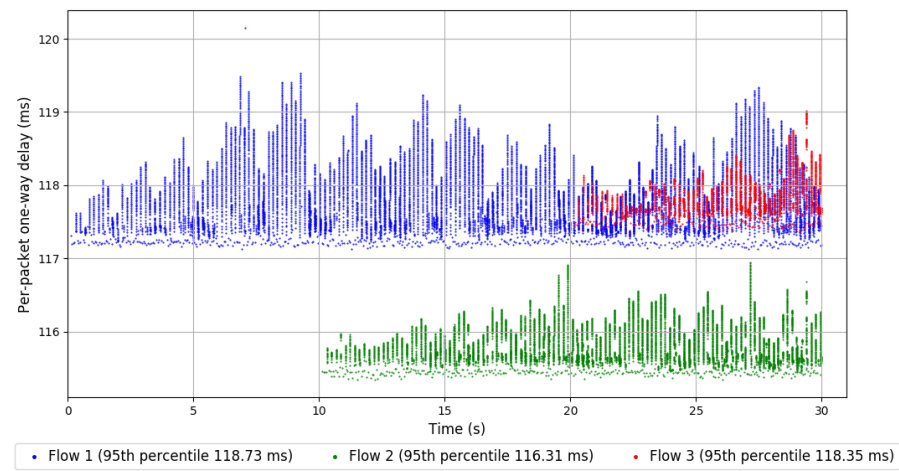
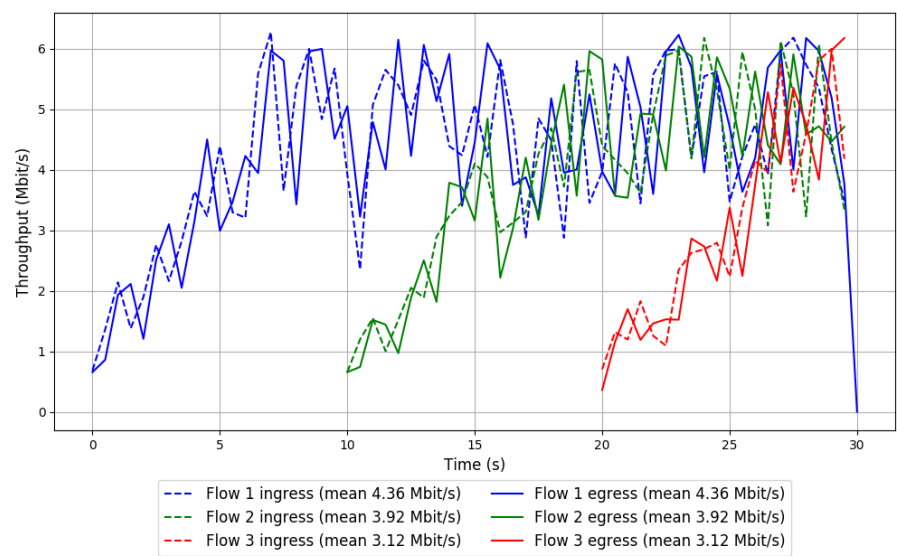
-- Flow 3:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 118.350 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

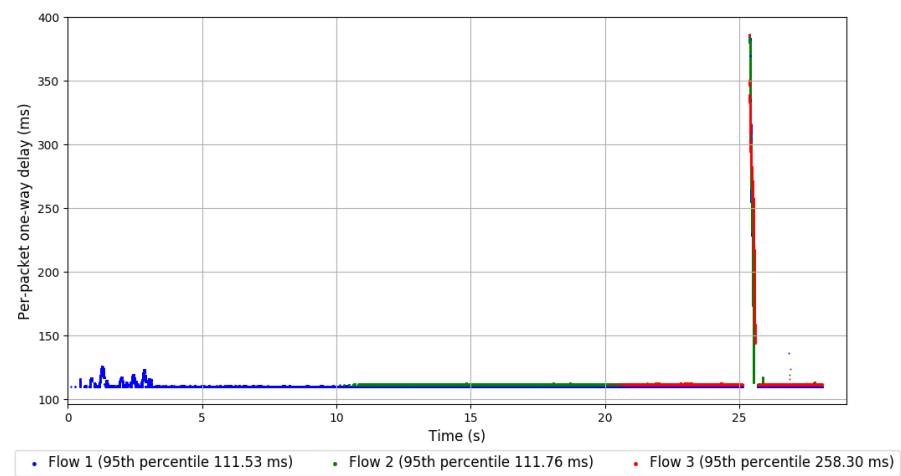
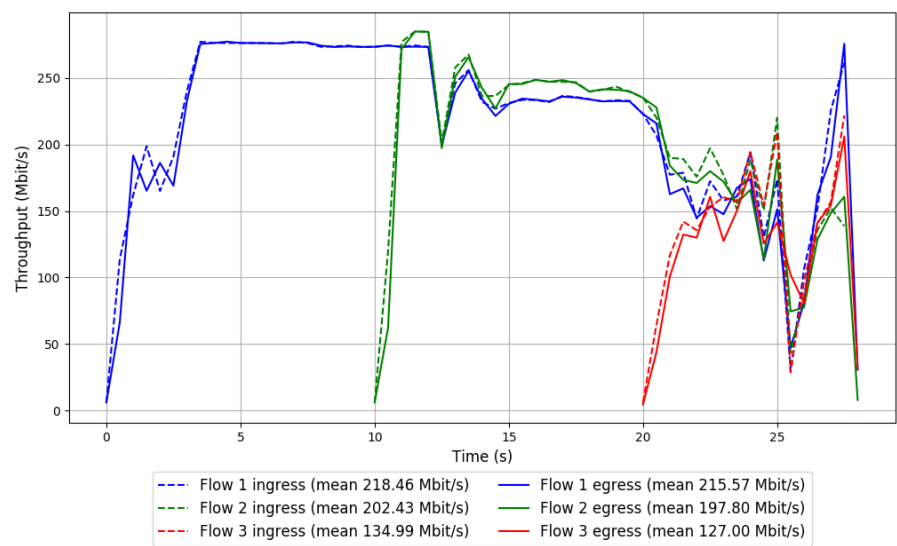


Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 23:00:47
End at: 2017-09-21 23:01:17
Local clock offset: 0.1 ms
Remote clock offset: 20.923 ms

Below is generated by plot.py at 2017-09-22 03:42:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.51 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 215.57 Mbit/s
95th percentile per-packet one-way delay: 111.531 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 197.80 Mbit/s
95th percentile per-packet one-way delay: 111.756 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 127.00 Mbit/s
95th percentile per-packet one-way delay: 258.295 ms
Loss rate: 5.93%

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 23:21:22

End at: 2017-09-21 23:21:52

Local clock offset: 0.072 ms

Remote clock offset: 7.136 ms

Below is generated by plot.py at 2017-09-22 03:42:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.24 Mbit/s

95th percentile per-packet one-way delay: 96.542 ms

Loss rate: 2.54%

-- Flow 1:

Average throughput: 221.98 Mbit/s

95th percentile per-packet one-way delay: 96.176 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 188.96 Mbit/s

95th percentile per-packet one-way delay: 96.575 ms

Loss rate: 2.53%

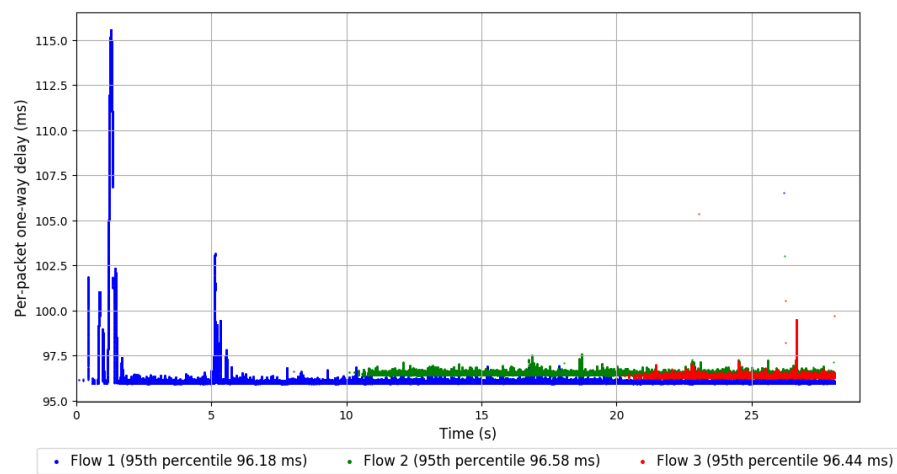
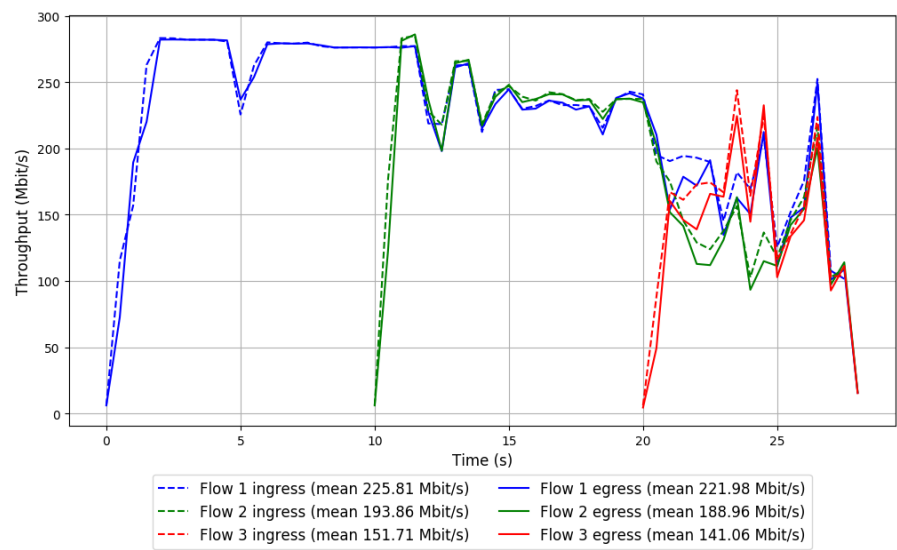
-- Flow 3:

Average throughput: 141.06 Mbit/s

95th percentile per-packet one-way delay: 96.444 ms

Loss rate: 6.99%

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

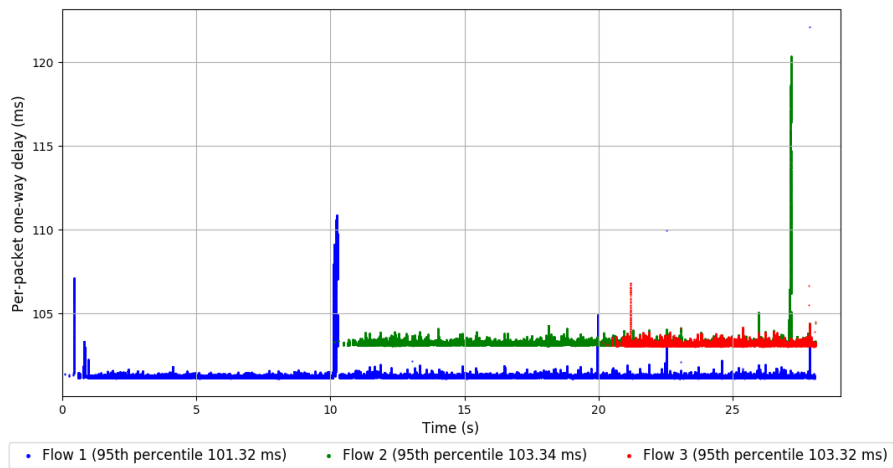
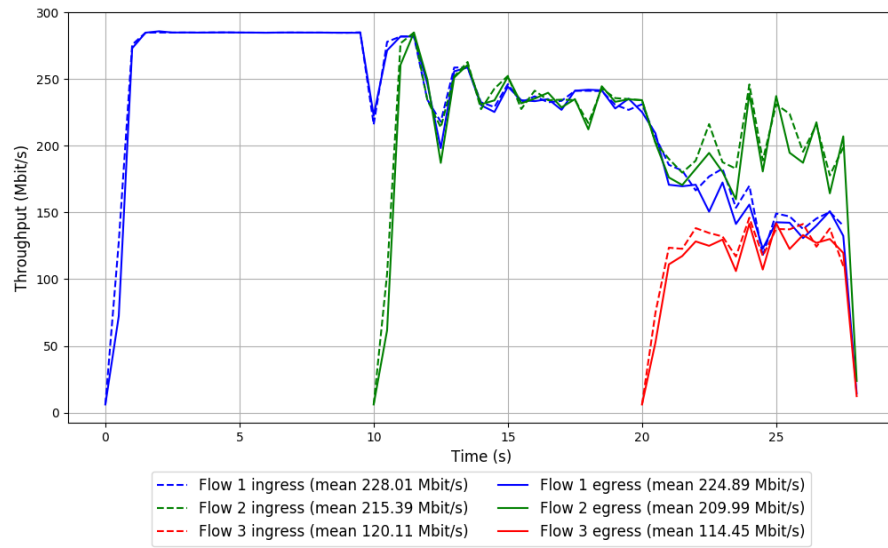


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 23:42:17
End at: 2017-09-21 23:42:47
Local clock offset: 0.075 ms
Remote clock offset: 11.643 ms

Below is generated by plot.py at 2017-09-22 03:42:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.88 Mbit/s
95th percentile per-packet one-way delay: 103.267 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 224.89 Mbit/s
95th percentile per-packet one-way delay: 101.318 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 209.99 Mbit/s
95th percentile per-packet one-way delay: 103.337 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 114.45 Mbit/s
95th percentile per-packet one-way delay: 103.323 ms
Loss rate: 4.70%

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

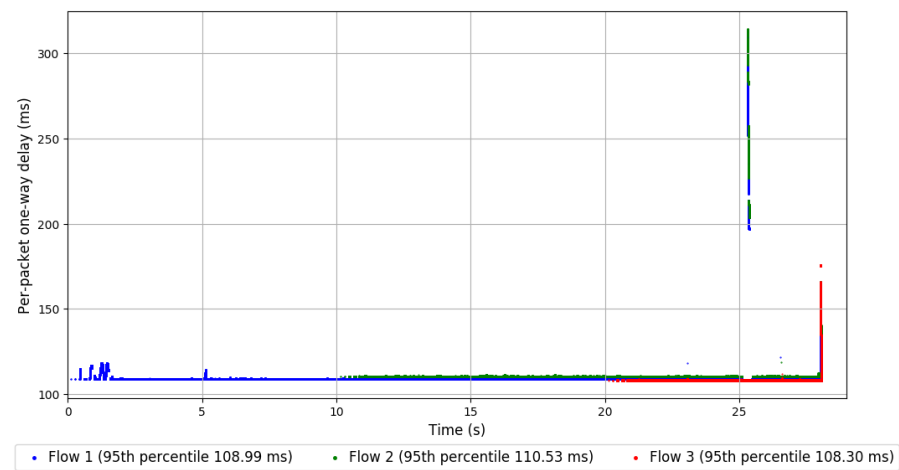
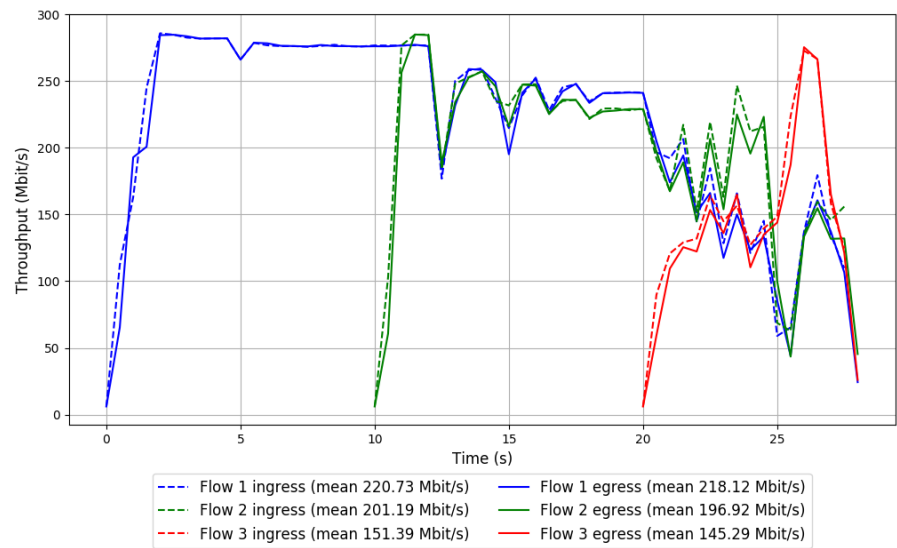


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-22 00:03:09
End at: 2017-09-22 00:03:39
Local clock offset: 0.152 ms
Remote clock offset: 18.408 ms

Below is generated by plot.py at 2017-09-22 03:42:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.60 Mbit/s
95th percentile per-packet one-way delay: 110.468 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 218.12 Mbit/s
95th percentile per-packet one-way delay: 108.990 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 196.92 Mbit/s
95th percentile per-packet one-way delay: 110.526 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 145.29 Mbit/s
95th percentile per-packet one-way delay: 108.303 ms
Loss rate: 4.03%

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

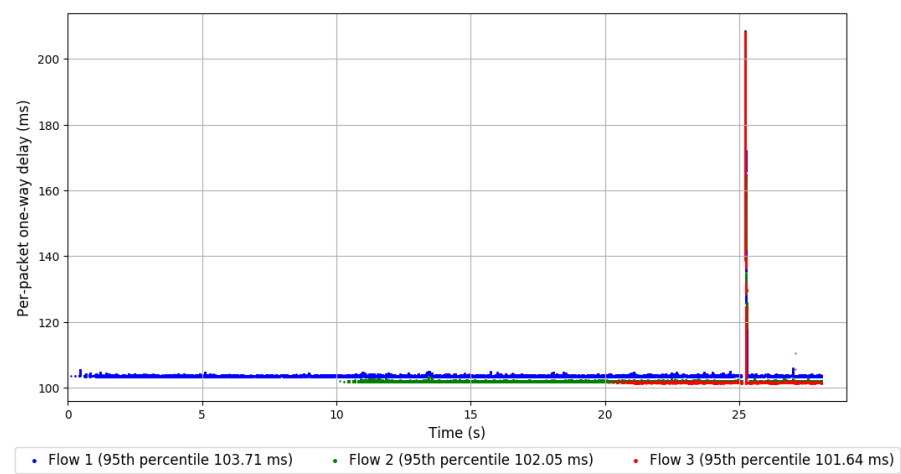
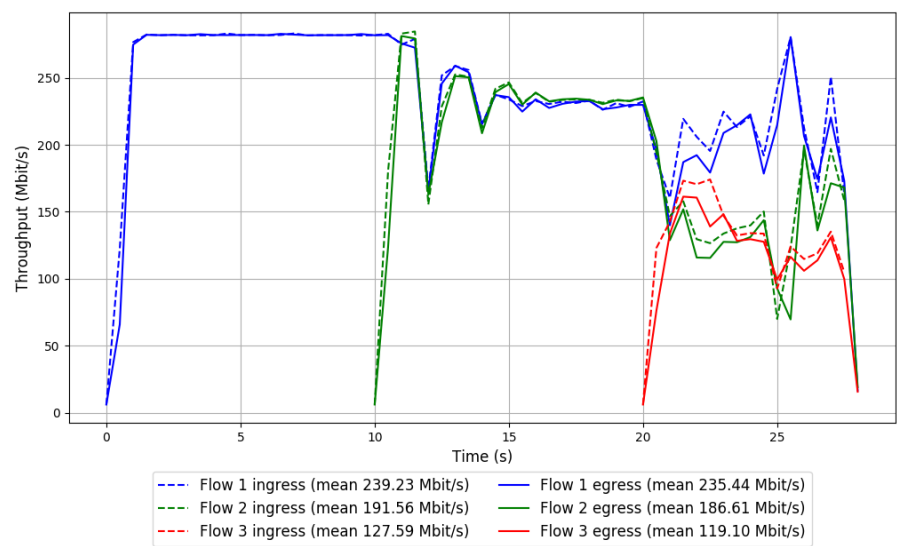


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-22 00:23:45
End at: 2017-09-22 00:24:15
Local clock offset: 0.111 ms
Remote clock offset: 11.749 ms

Below is generated by plot.py at 2017-09-22 03:42:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.09 Mbit/s
95th percentile per-packet one-way delay: 103.661 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 235.44 Mbit/s
95th percentile per-packet one-way delay: 103.712 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 186.61 Mbit/s
95th percentile per-packet one-way delay: 102.045 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 119.10 Mbit/s
95th percentile per-packet one-way delay: 101.645 ms
Loss rate: 6.65%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-22 00:44:09

End at: 2017-09-22 00:44:39

Local clock offset: 0.123 ms

Remote clock offset: 6.772 ms

Below is generated by plot.py at 2017-09-22 03:42:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.42 Mbit/s

95th percentile per-packet one-way delay: 98.525 ms

Loss rate: 2.54%

-- Flow 1:

Average throughput: 212.23 Mbit/s

95th percentile per-packet one-way delay: 98.589 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 197.99 Mbit/s

95th percentile per-packet one-way delay: 96.714 ms

Loss rate: 2.64%

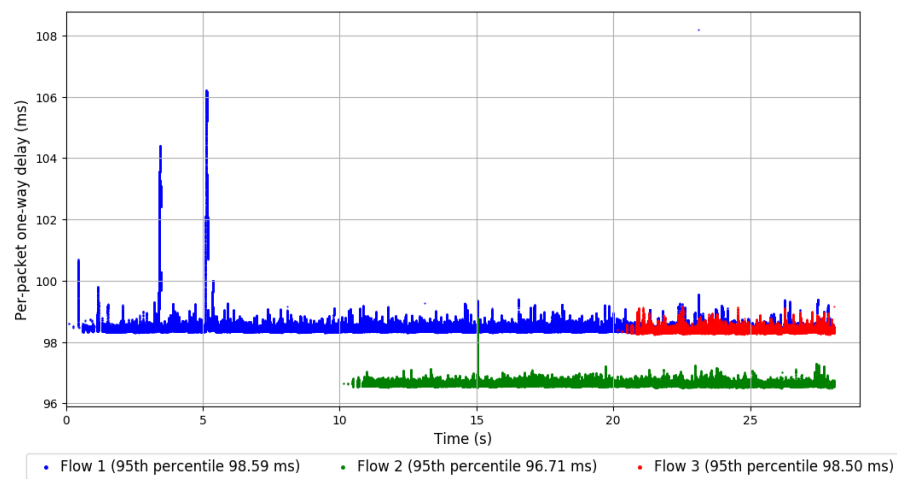
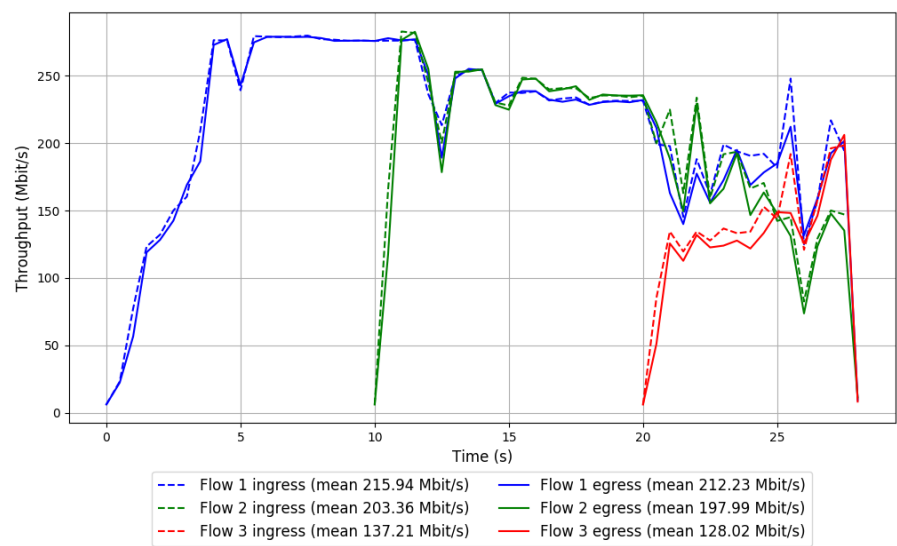
-- Flow 3:

Average throughput: 128.02 Mbit/s

95th percentile per-packet one-way delay: 98.504 ms

Loss rate: 6.72%

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

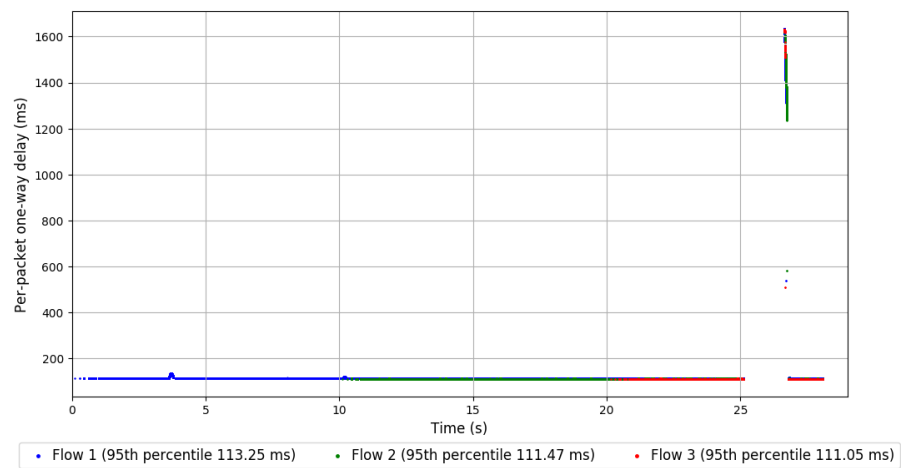
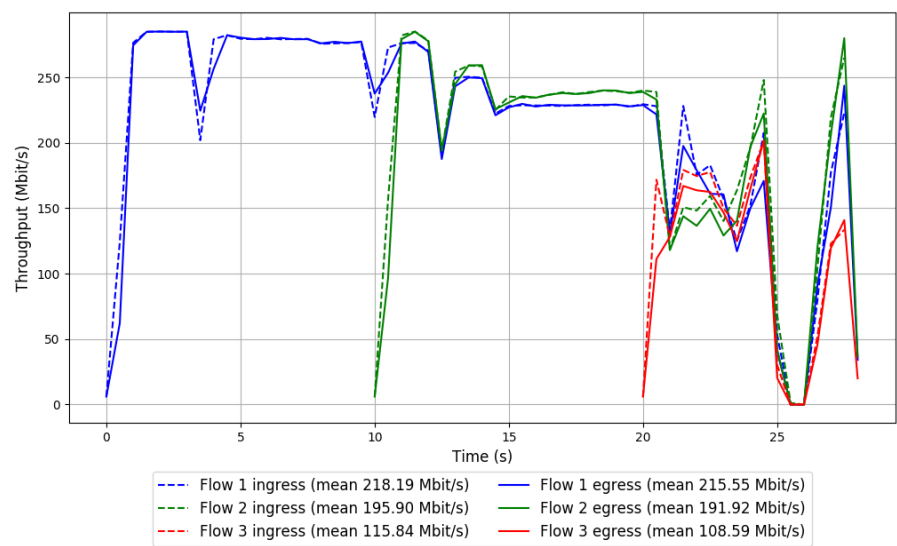


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-22 01:04:44
End at: 2017-09-22 01:05:14
Local clock offset: 0.017 ms
Remote clock offset: 21.516 ms

Below is generated by plot.py at 2017-09-22 03:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.54 Mbit/s
95th percentile per-packet one-way delay: 113.151 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 215.55 Mbit/s
95th percentile per-packet one-way delay: 113.249 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 191.92 Mbit/s
95th percentile per-packet one-way delay: 111.469 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 108.59 Mbit/s
95th percentile per-packet one-way delay: 111.050 ms
Loss rate: 6.25%

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

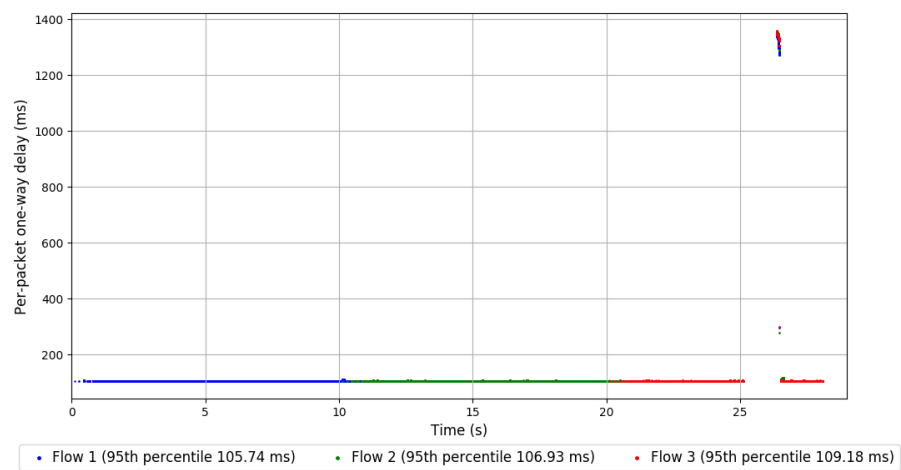
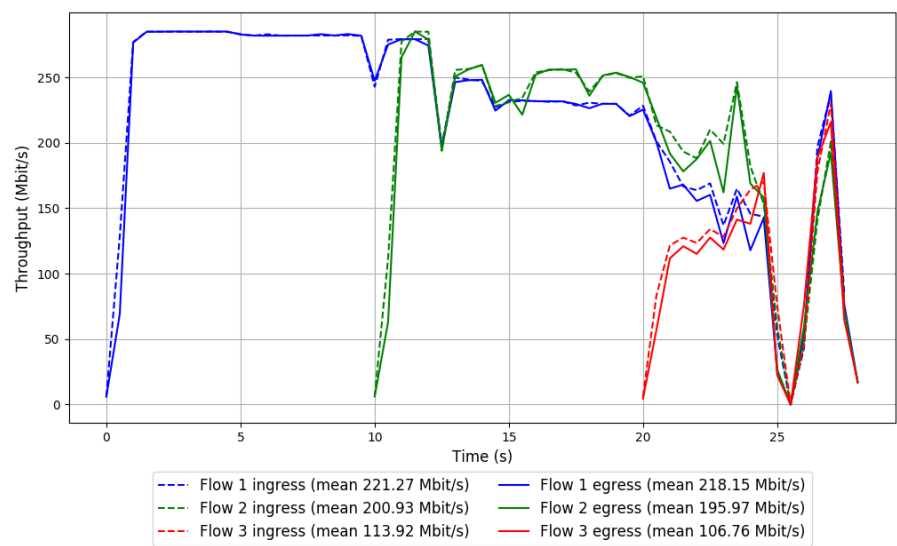


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-22 01:24:53
End at: 2017-09-22 01:25:23
Local clock offset: 0.042 ms
Remote clock offset: 15.769 ms

Below is generated by plot.py at 2017-09-22 03:42:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.17 Mbit/s
95th percentile per-packet one-way delay: 106.911 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 218.15 Mbit/s
95th percentile per-packet one-way delay: 105.736 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 195.97 Mbit/s
95th percentile per-packet one-way delay: 106.926 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 106.76 Mbit/s
95th percentile per-packet one-way delay: 109.181 ms
Loss rate: 6.30%

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

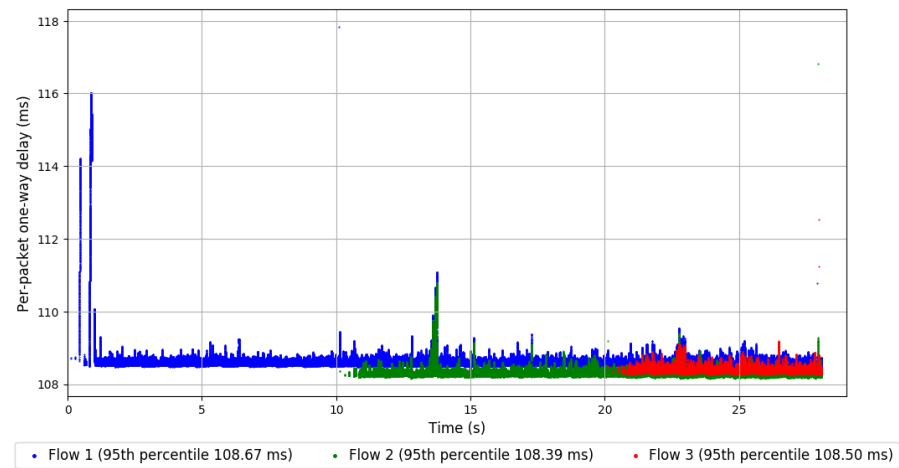
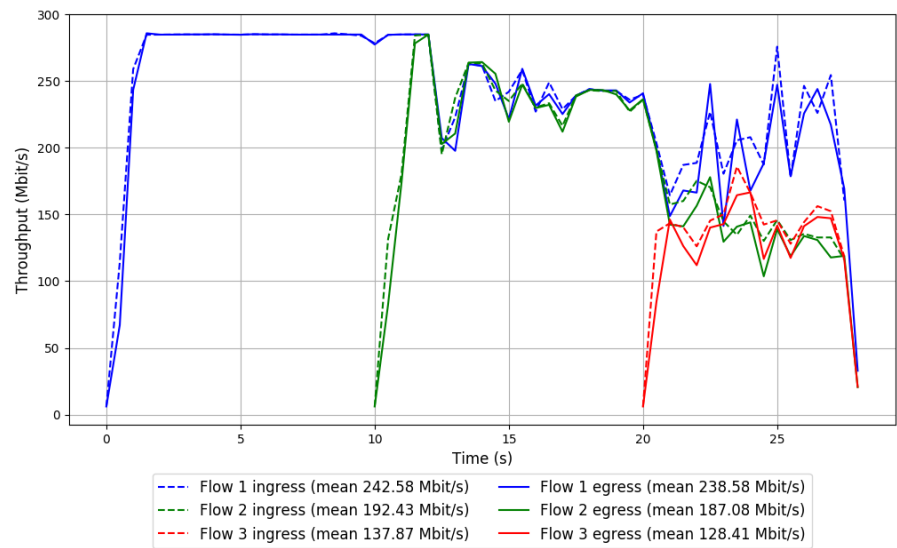


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-22 01:45:25
End at: 2017-09-22 01:45:55
Local clock offset: 0.116 ms
Remote clock offset: 19.538 ms

Below is generated by plot.py at 2017-09-22 03:52:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.97 Mbit/s
95th percentile per-packet one-way delay: 108.641 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 238.58 Mbit/s
95th percentile per-packet one-way delay: 108.667 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 187.08 Mbit/s
95th percentile per-packet one-way delay: 108.385 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 128.41 Mbit/s
95th percentile per-packet one-way delay: 108.496 ms
Loss rate: 6.86%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-22 02:06:04

End at: 2017-09-22 02:06:34

Local clock offset: -0.006 ms

Remote clock offset: 21.72 ms

Below is generated by plot.py at 2017-09-22 03:52:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.27 Mbit/s

95th percentile per-packet one-way delay: 112.577 ms

Loss rate: 2.12%

-- Flow 1:

Average throughput: 236.69 Mbit/s

95th percentile per-packet one-way delay: 112.630 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 197.40 Mbit/s

95th percentile per-packet one-way delay: 112.112 ms

Loss rate: 2.47%

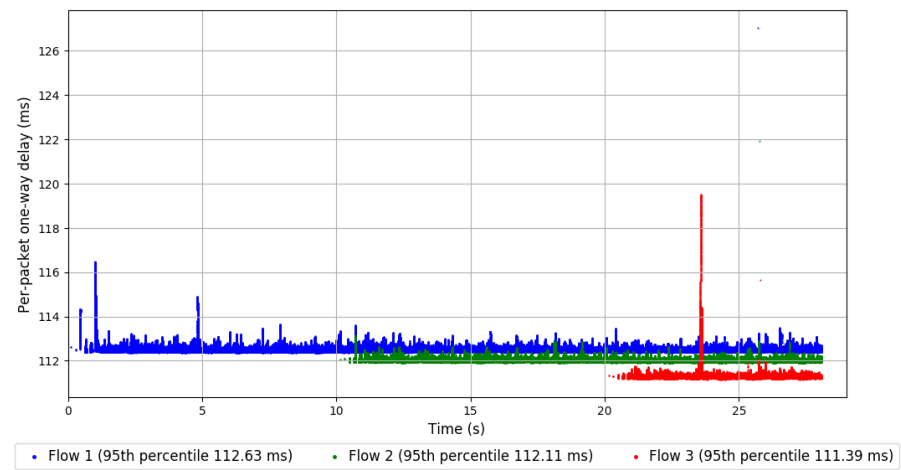
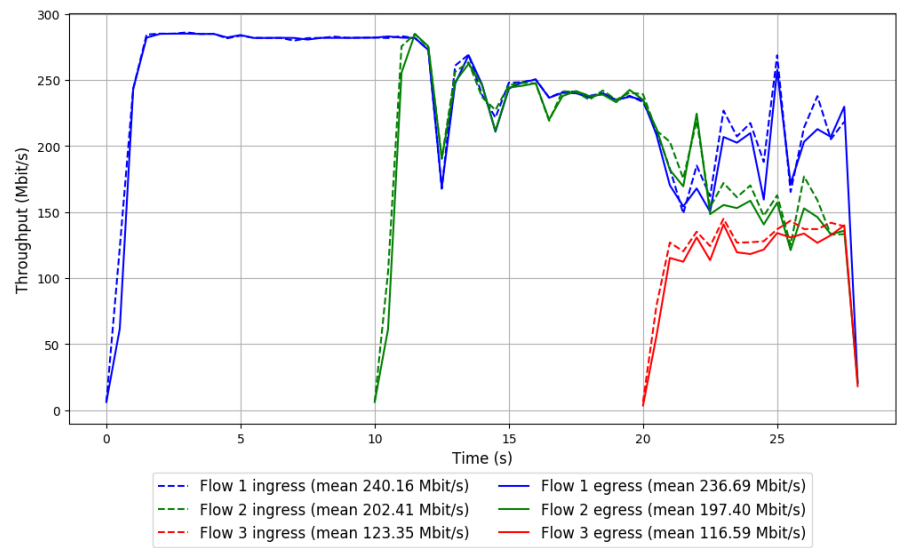
-- Flow 3:

Average throughput: 116.59 Mbit/s

95th percentile per-packet one-way delay: 111.395 ms

Loss rate: 5.48%

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

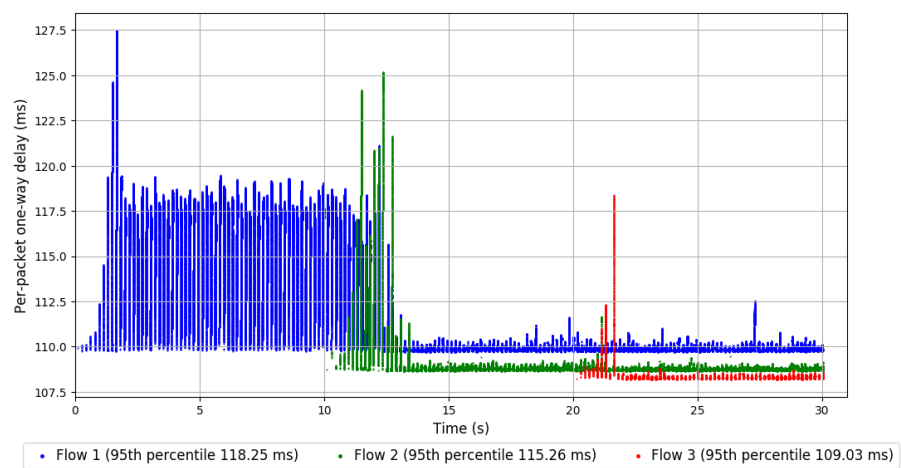
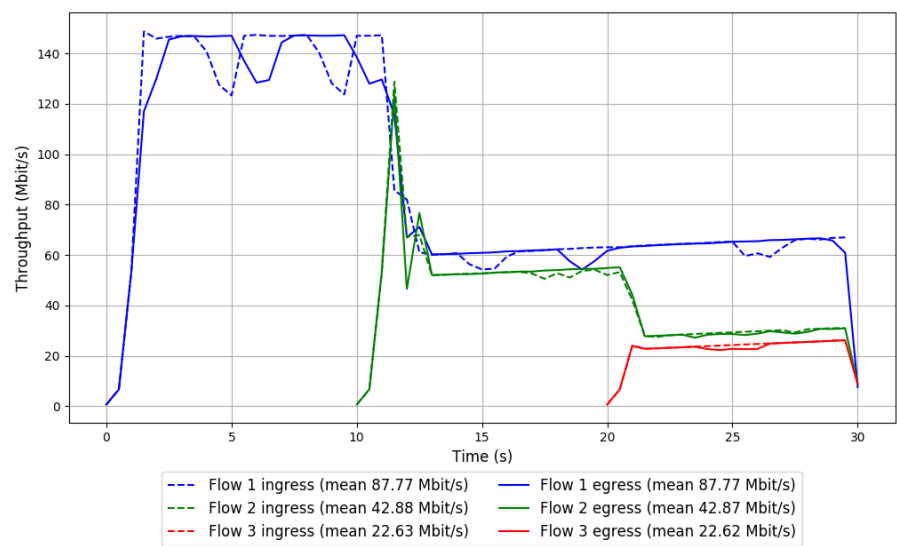


Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 22:56:32
End at: 2017-09-21 22:57:02
Local clock offset: 0.01 ms
Remote clock offset: 19.313 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.75 Mbit/s
95th percentile per-packet one-way delay: 118.148 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 118.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 115.256 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 22.62 Mbit/s
95th percentile per-packet one-way delay: 109.027 ms
Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link

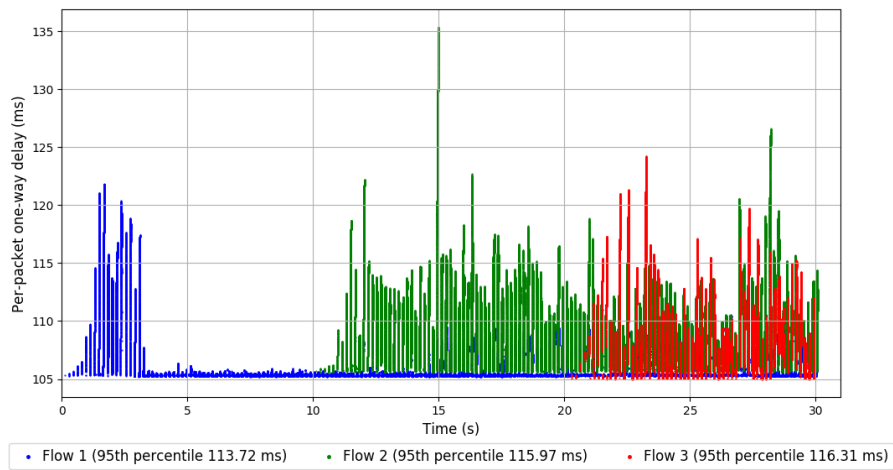
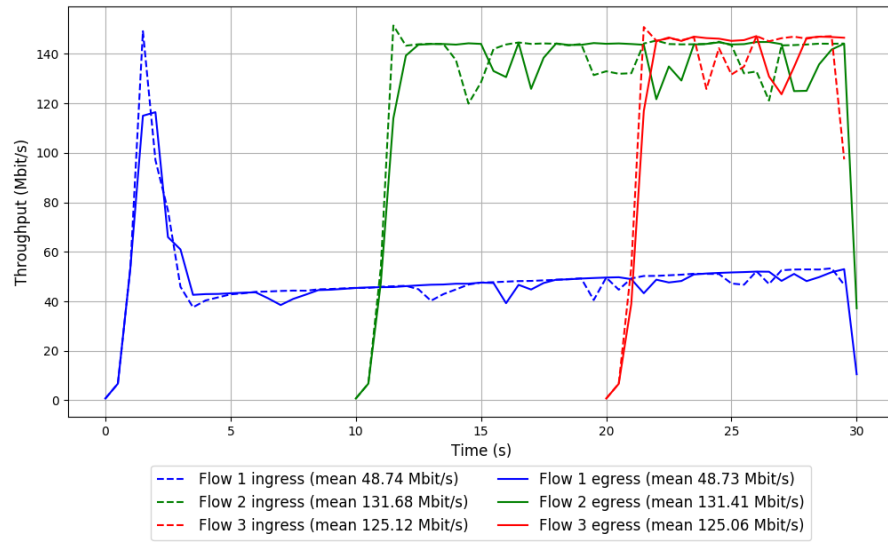


Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 23:17:03
End at: 2017-09-21 23:17:33
Local clock offset: 0.046 ms
Remote clock offset: 14.451 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.13 Mbit/s
95th percentile per-packet one-way delay: 115.666 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 113.715 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 131.41 Mbit/s
95th percentile per-packet one-way delay: 115.966 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 125.06 Mbit/s
95th percentile per-packet one-way delay: 116.313 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 23:37:54

End at: 2017-09-21 23:38:24

Local clock offset: 0.074 ms

Remote clock offset: 7.018 ms

Below is generated by plot.py at 2017-09-22 03:52:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.25 Mbit/s

95th percentile per-packet one-way delay: 107.696 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 105.775 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 133.45 Mbit/s

95th percentile per-packet one-way delay: 106.805 ms

Loss rate: 0.00%

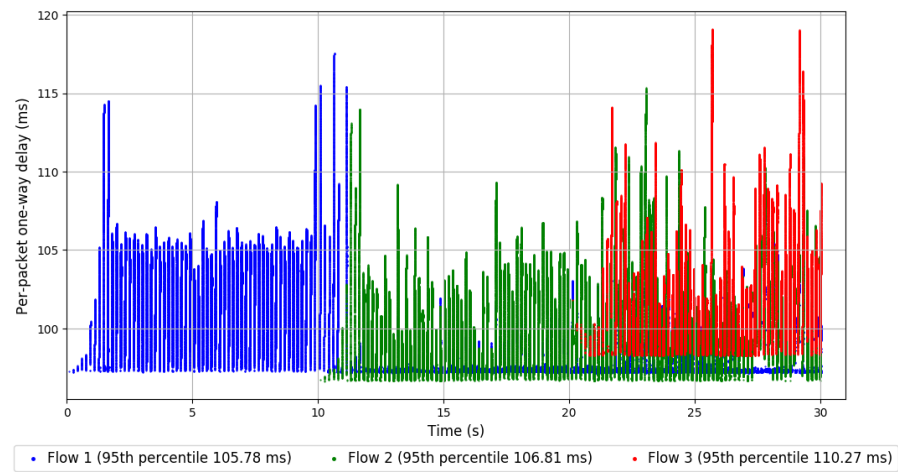
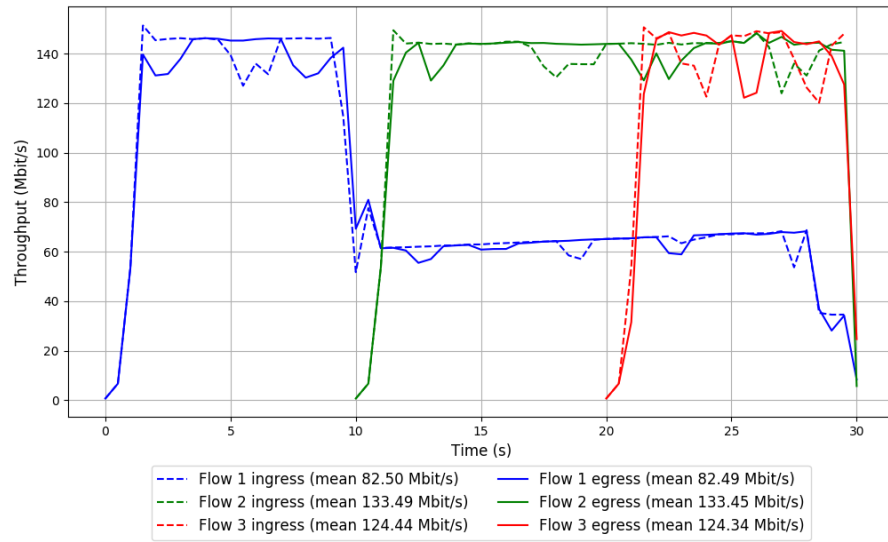
-- Flow 3:

Average throughput: 124.34 Mbit/s

95th percentile per-packet one-way delay: 110.269 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

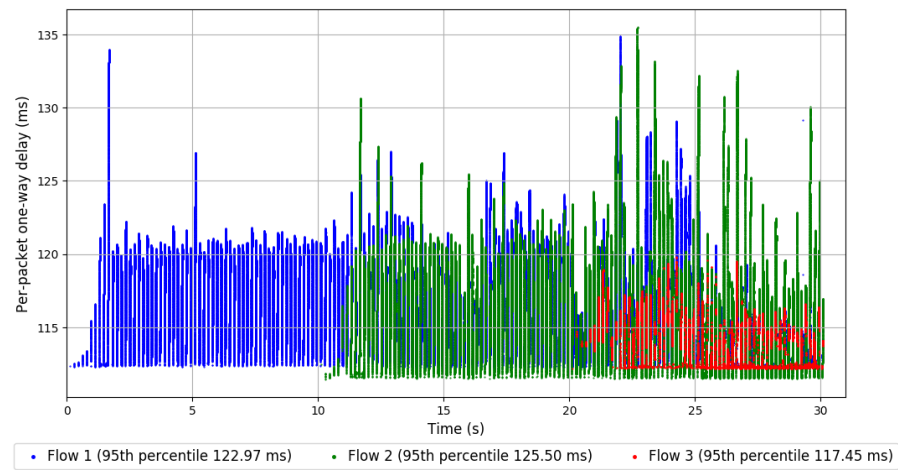
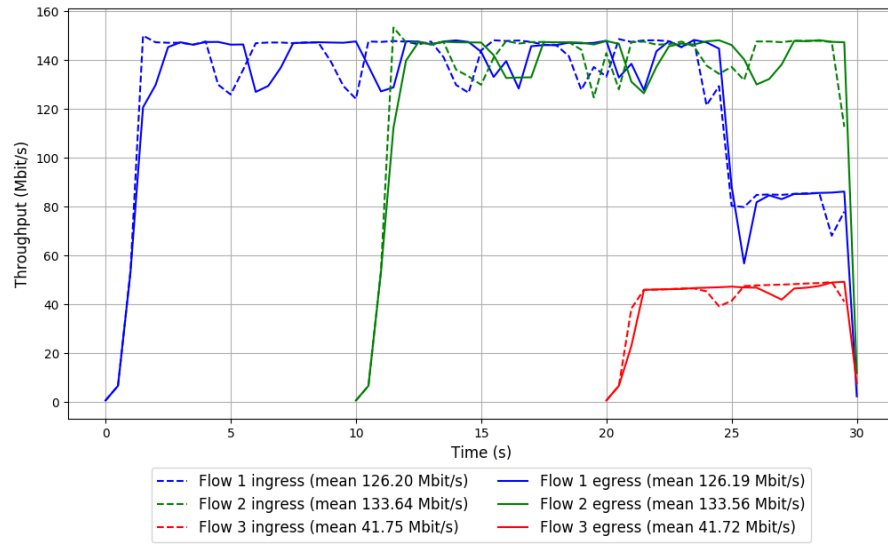


Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 23:58:47
End at: 2017-09-21 23:59:17
Local clock offset: 0.076 ms
Remote clock offset: 20.972 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.99 Mbit/s
95th percentile per-packet one-way delay: 123.687 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 126.19 Mbit/s
95th percentile per-packet one-way delay: 122.975 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 133.56 Mbit/s
95th percentile per-packet one-way delay: 125.496 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 117.452 ms
Loss rate: 0.05%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-09-22 00:19:25

End at: 2017-09-22 00:19:55

Local clock offset: 0.13 ms

Remote clock offset: 6.805 ms

Below is generated by plot.py at 2017-09-22 03:52:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 235.61 Mbit/s

95th percentile per-packet one-way delay: 107.135 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 128.21 Mbit/s

95th percentile per-packet one-way delay: 107.388 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.38 Mbit/s

95th percentile per-packet one-way delay: 106.871 ms

Loss rate: 0.00%

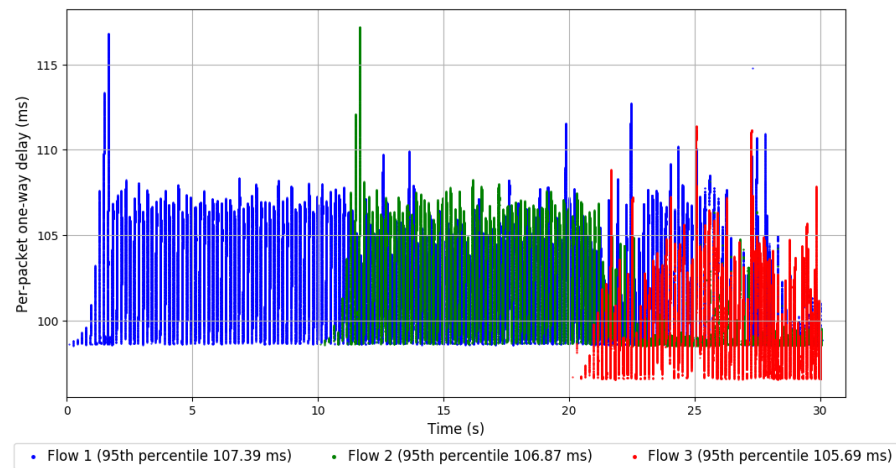
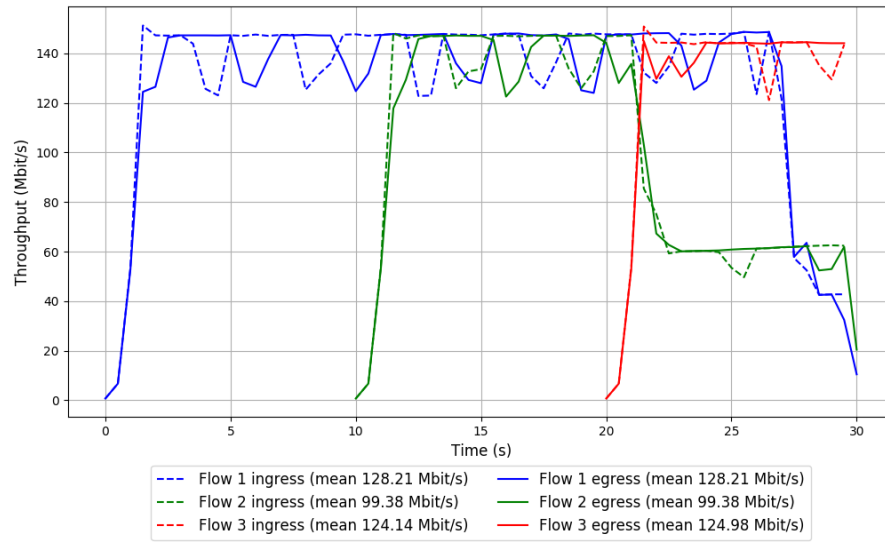
-- Flow 3:

Average throughput: 124.98 Mbit/s

95th percentile per-packet one-way delay: 105.685 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

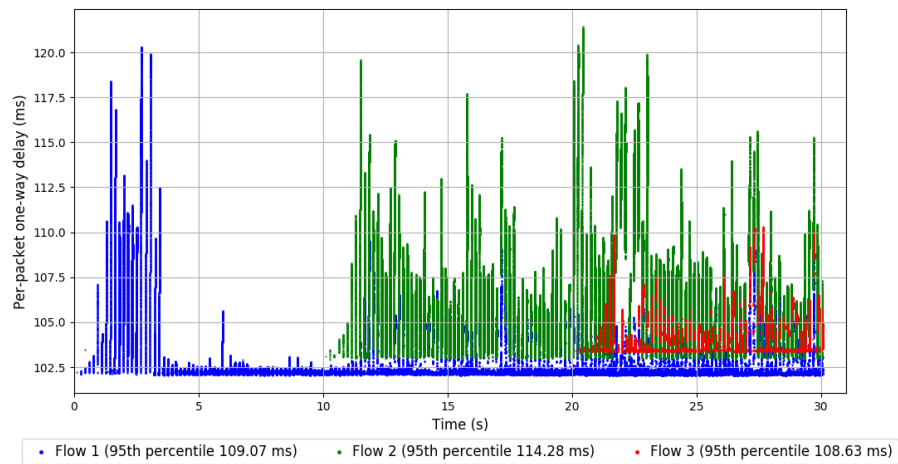
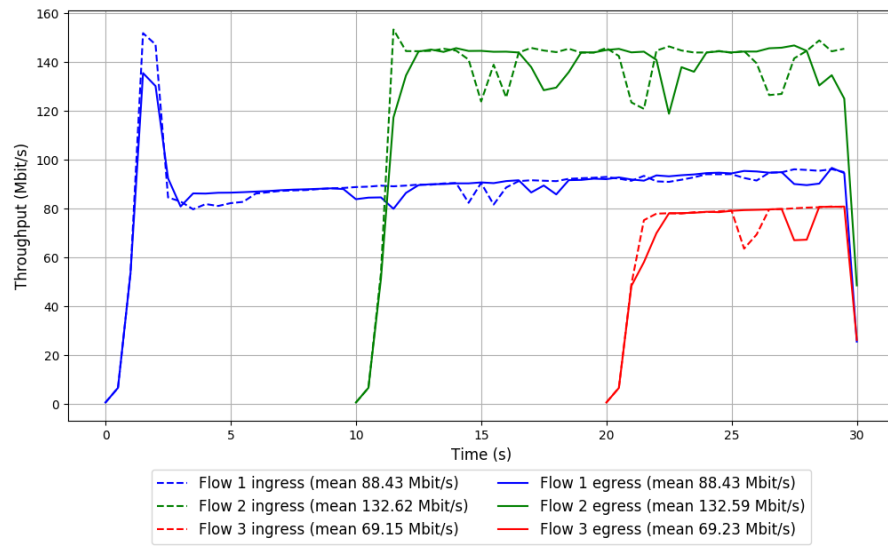


Run 6: Statistics of TCP Vegas

Start at: 2017-09-22 00:39:51
End at: 2017-09-22 00:40:21
Local clock offset: 0.125 ms
Remote clock offset: 11.702 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 199.59 Mbit/s
95th percentile per-packet one-way delay: 112.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.43 Mbit/s
95th percentile per-packet one-way delay: 109.068 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 132.59 Mbit/s
95th percentile per-packet one-way delay: 114.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.23 Mbit/s
95th percentile per-packet one-way delay: 108.629 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

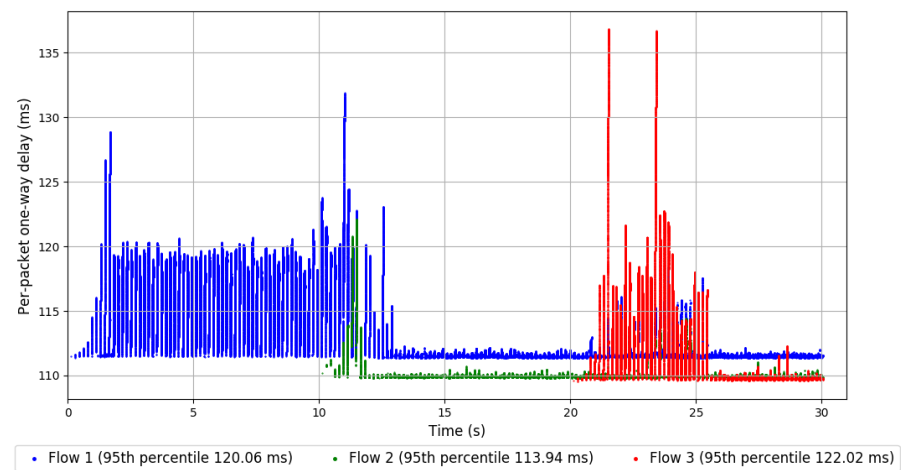
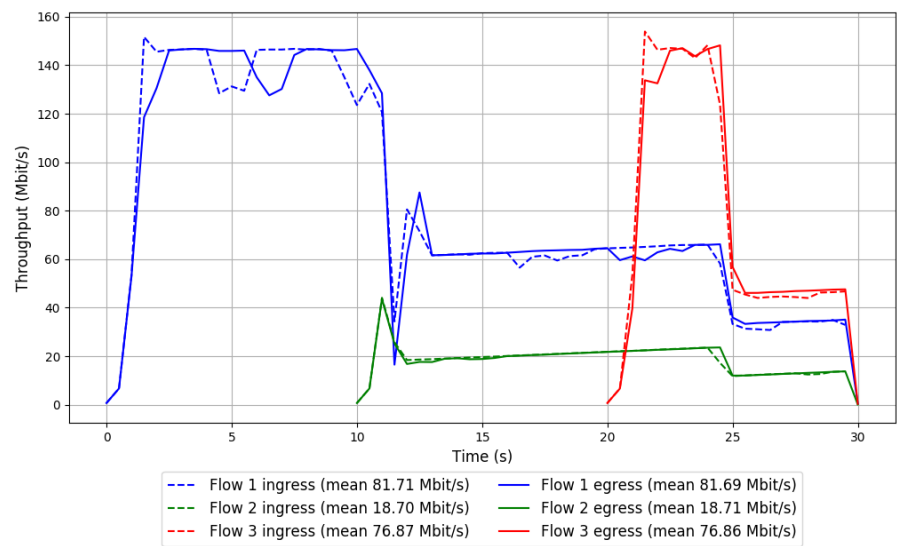


Run 7: Statistics of TCP Vegas

Start at: 2017-09-22 01:00:24
End at: 2017-09-22 01:00:54
Local clock offset: 0.106 ms
Remote clock offset: 20.188 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.58 Mbit/s
95th percentile per-packet one-way delay: 120.282 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.69 Mbit/s
95th percentile per-packet one-way delay: 120.057 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 113.940 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 76.86 Mbit/s
95th percentile per-packet one-way delay: 122.021 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link

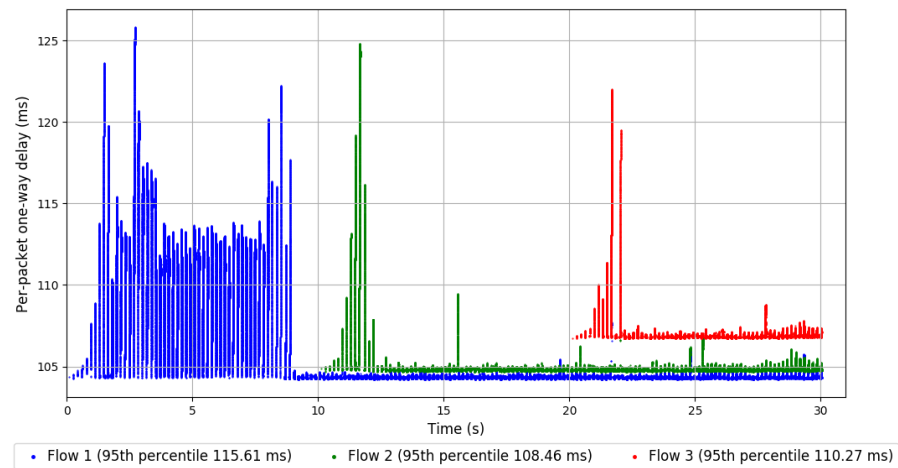
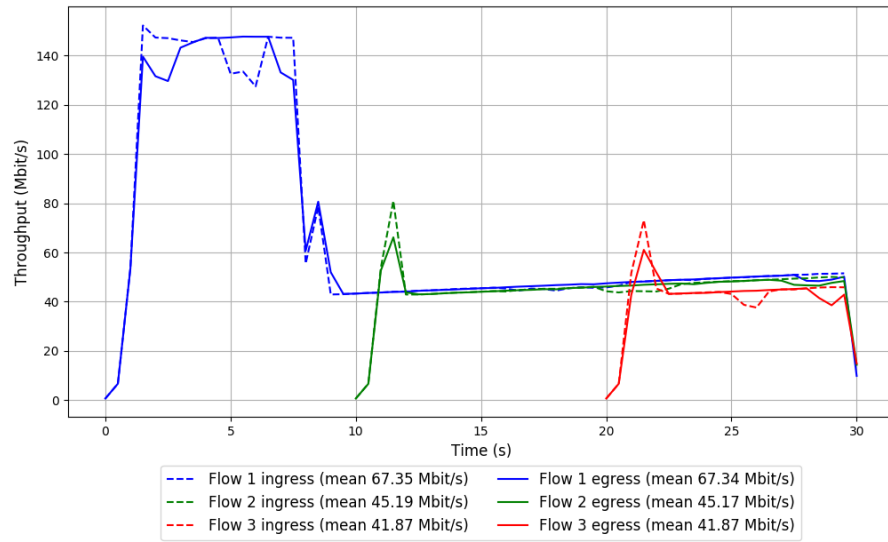


Run 8: Statistics of TCP Vegas

Start at: 2017-09-22 01:20:36
End at: 2017-09-22 01:21:06
Local clock offset: 0.092 ms
Remote clock offset: 15.397 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.26 Mbit/s
95th percentile per-packet one-way delay: 114.303 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.34 Mbit/s
95th percentile per-packet one-way delay: 115.610 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 108.459 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 110.266 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

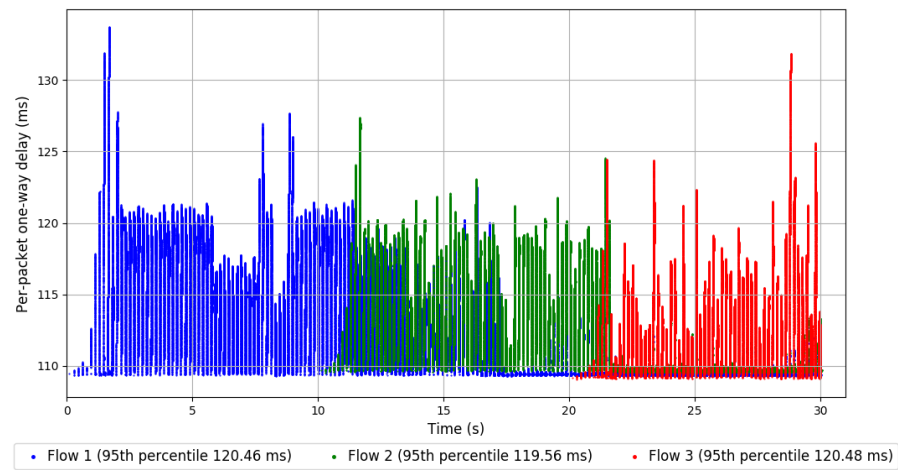
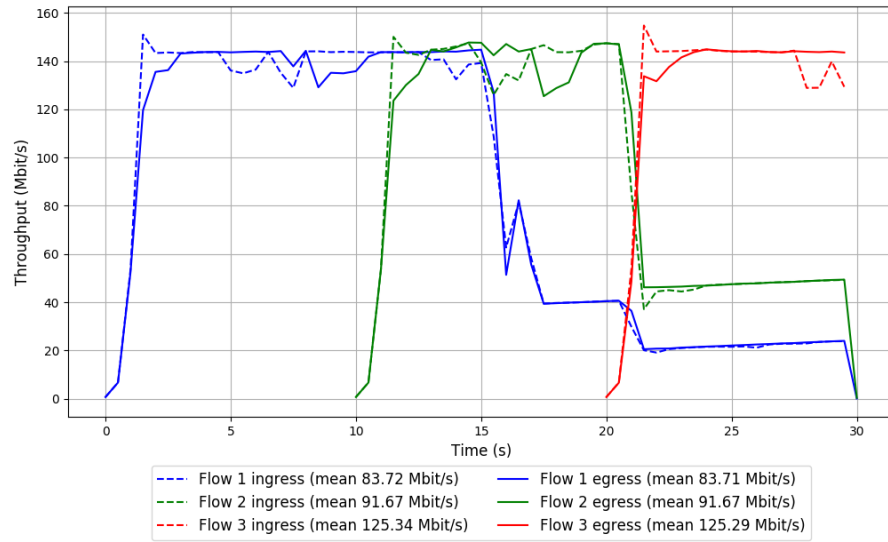


Run 9: Statistics of TCP Vegas

Start at: 2017-09-22 01:41:08
End at: 2017-09-22 01:41:38
Local clock offset: 0.072 ms
Remote clock offset: 20.573 ms

```
# Below is generated by plot.py at 2017-09-22 03:52:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 185.92 Mbit/s
95th percentile per-packet one-way delay: 120.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 120.460 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 119.556 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 125.29 Mbit/s
95th percentile per-packet one-way delay: 120.483 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

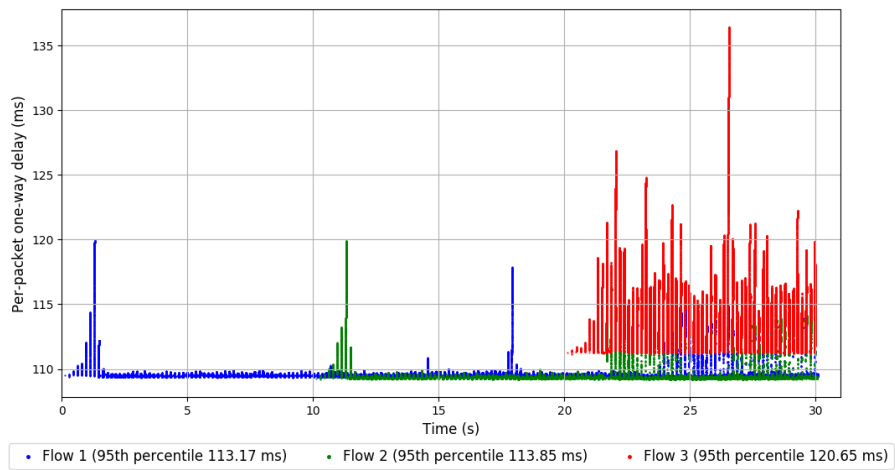
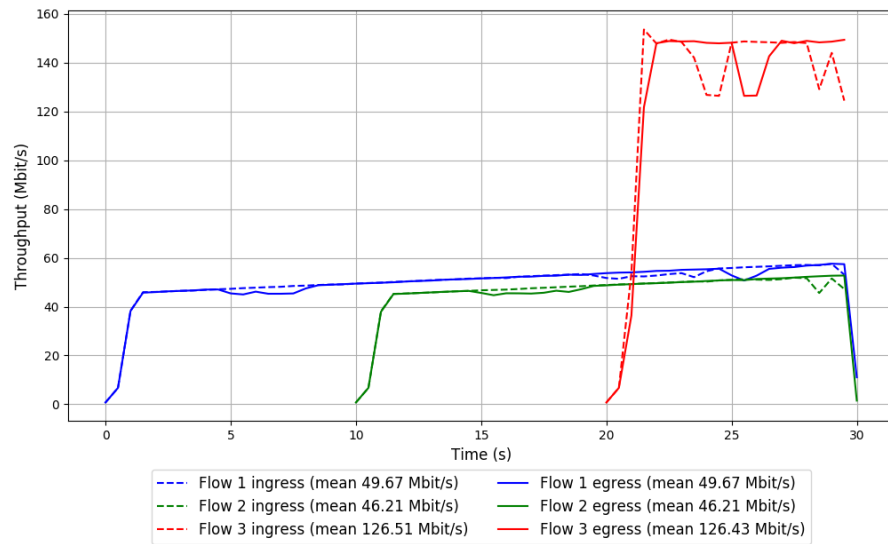


Run 10: Statistics of TCP Vegas

Start at: 2017-09-22 02:01:38
End at: 2017-09-22 02:02:08
Local clock offset: -0.063 ms
Remote clock offset: 20.414 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.02 Mbit/s
95th percentile per-packet one-way delay: 118.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 113.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 113.847 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.43 Mbit/s
95th percentile per-packet one-way delay: 120.653 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

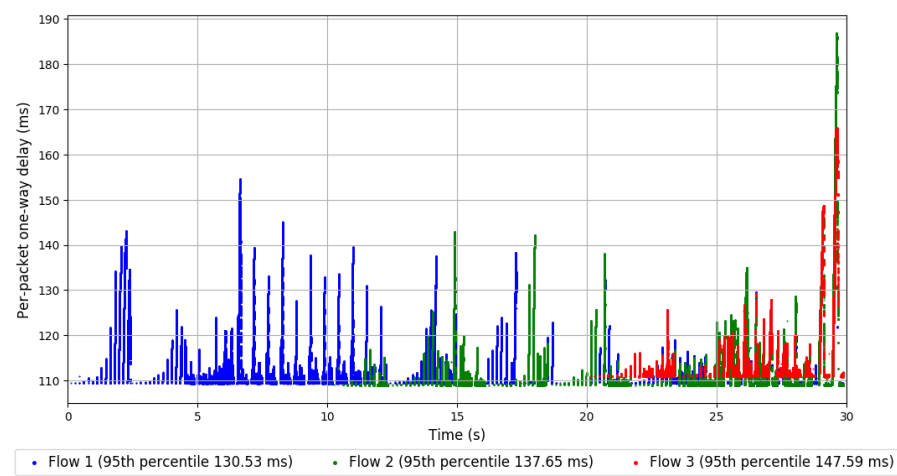
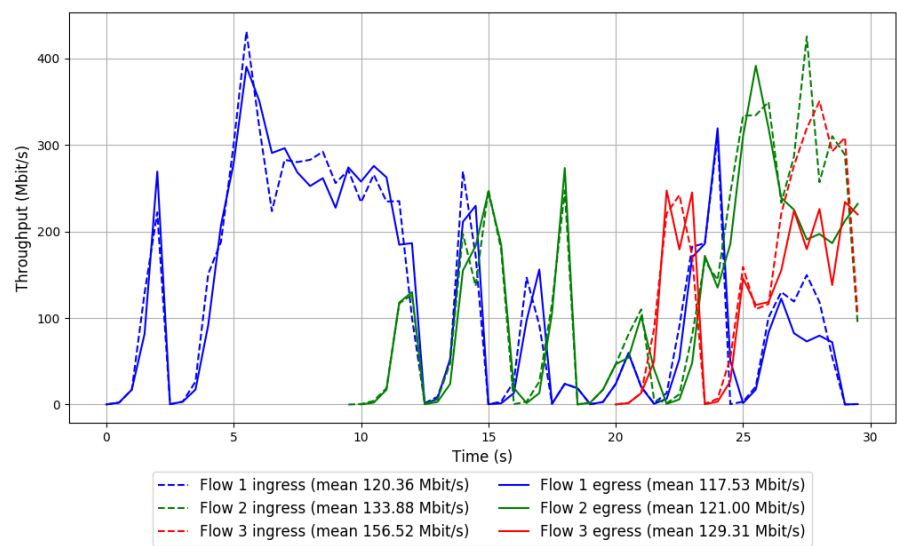


Run 1: Statistics of Verus

Start at: 2017-09-21 22:50:49
End at: 2017-09-21 22:51:19
Local clock offset: -0.032 ms
Remote clock offset: 20.099 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.10 Mbit/s
95th percentile per-packet one-way delay: 133.882 ms
Loss rate: 7.80%
-- Flow 1:
Average throughput: 117.53 Mbit/s
95th percentile per-packet one-way delay: 130.525 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 121.00 Mbit/s
95th percentile per-packet one-way delay: 137.648 ms
Loss rate: 9.63%
-- Flow 3:
Average throughput: 129.31 Mbit/s
95th percentile per-packet one-way delay: 147.595 ms
Loss rate: 17.39%

Run 1: Report of Verus — Data Link

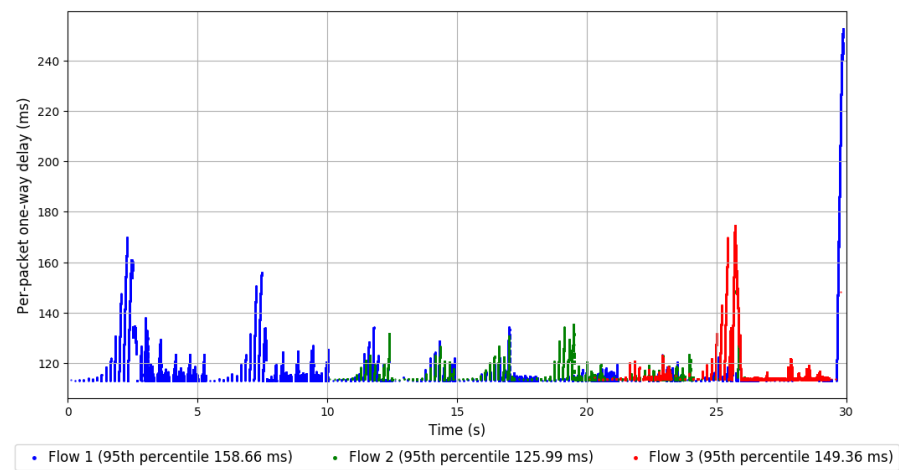
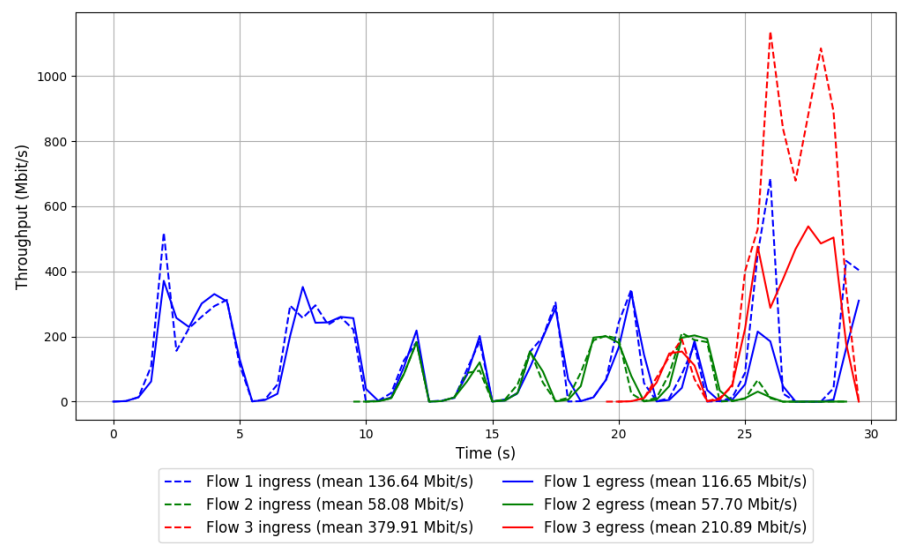


Run 2: Statistics of Verus

Start at: 2017-09-21 23:11:20
End at: 2017-09-21 23:11:50
Local clock offset: 0.081 ms
Remote clock offset: 22.664 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.20 Mbit/s
95th percentile per-packet one-way delay: 149.741 ms
Loss rate: 25.12%
-- Flow 1:
Average throughput: 116.65 Mbit/s
95th percentile per-packet one-way delay: 158.657 ms
Loss rate: 14.30%
-- Flow 2:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 125.989 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 210.89 Mbit/s
95th percentile per-packet one-way delay: 149.358 ms
Loss rate: 44.29%

Run 2: Report of Verus — Data Link

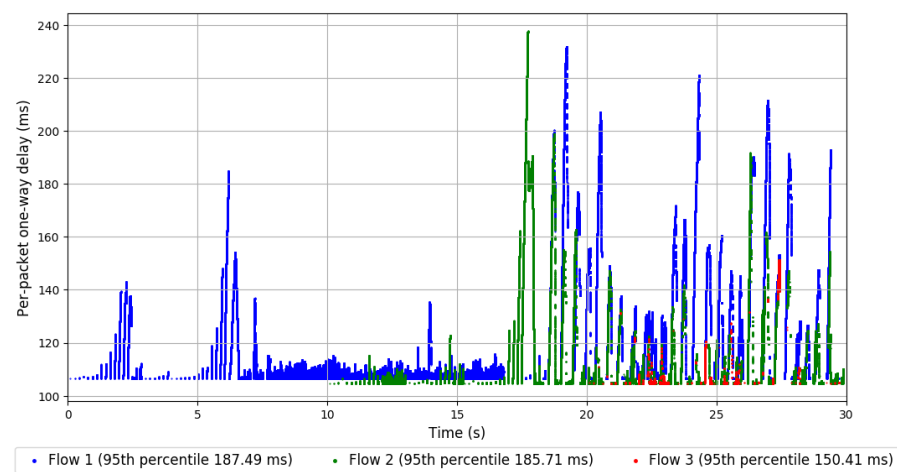
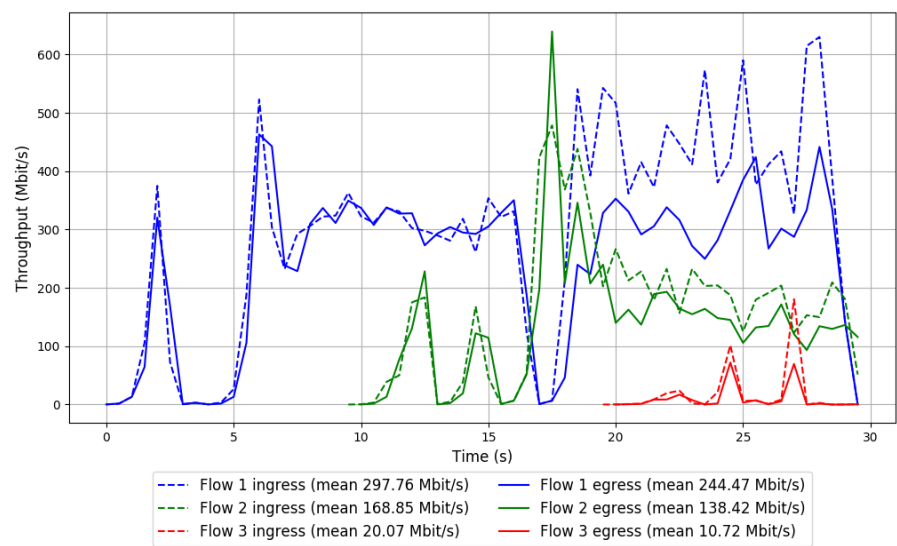


Run 3: Statistics of Verus

Start at: 2017-09-21 23:31:59
End at: 2017-09-21 23:32:29
Local clock offset: 0.045 ms
Remote clock offset: 15.446 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.72 Mbit/s
95th percentile per-packet one-way delay: 186.922 ms
Loss rate: 18.37%
-- Flow 1:
Average throughput: 244.47 Mbit/s
95th percentile per-packet one-way delay: 187.487 ms
Loss rate: 17.90%
-- Flow 2:
Average throughput: 138.42 Mbit/s
95th percentile per-packet one-way delay: 185.707 ms
Loss rate: 18.00%
-- Flow 3:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 150.409 ms
Loss rate: 46.58%

Run 3: Report of Verus — Data Link

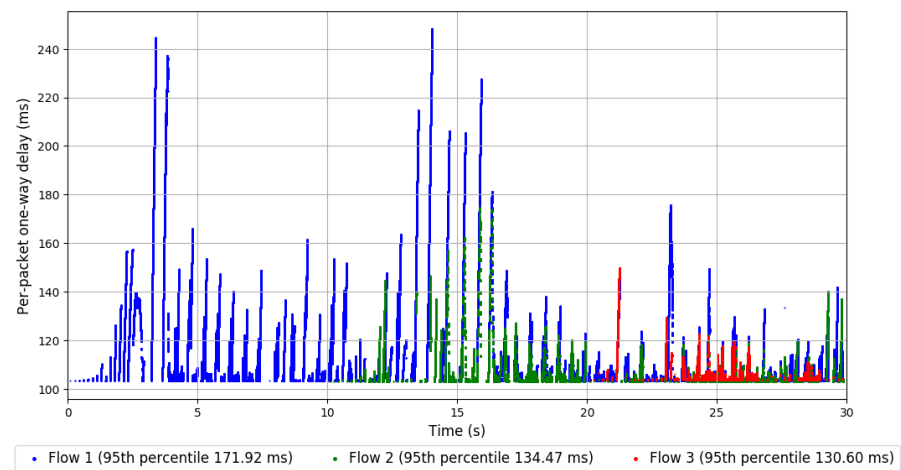
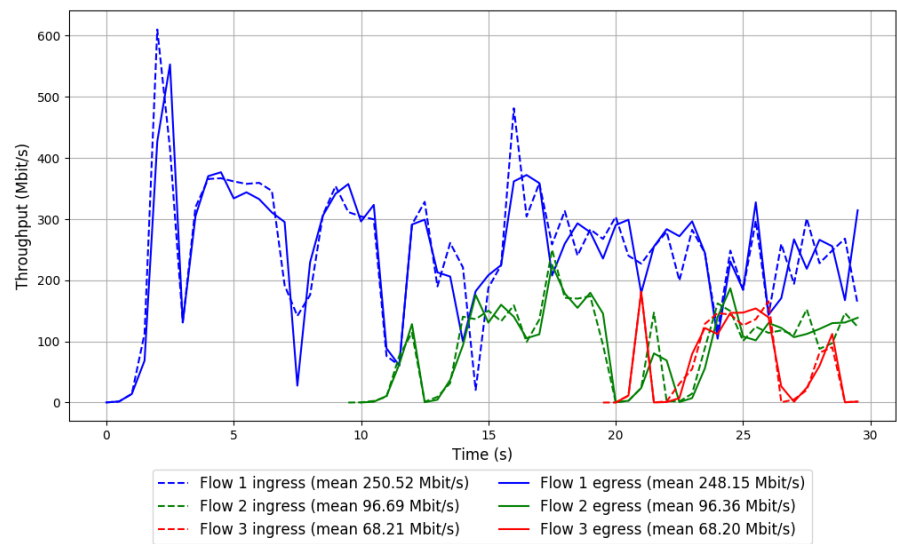


Run 4: Statistics of Verus

Start at: 2017-09-21 23:52:55
End at: 2017-09-21 23:53:25
Local clock offset: 0.086 ms
Remote clock offset: 11.721 ms

Below is generated by plot.py at 2017-09-22 03:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.29 Mbit/s
95th percentile per-packet one-way delay: 160.203 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 248.15 Mbit/s
95th percentile per-packet one-way delay: 171.924 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 134.467 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 68.20 Mbit/s
95th percentile per-packet one-way delay: 130.605 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

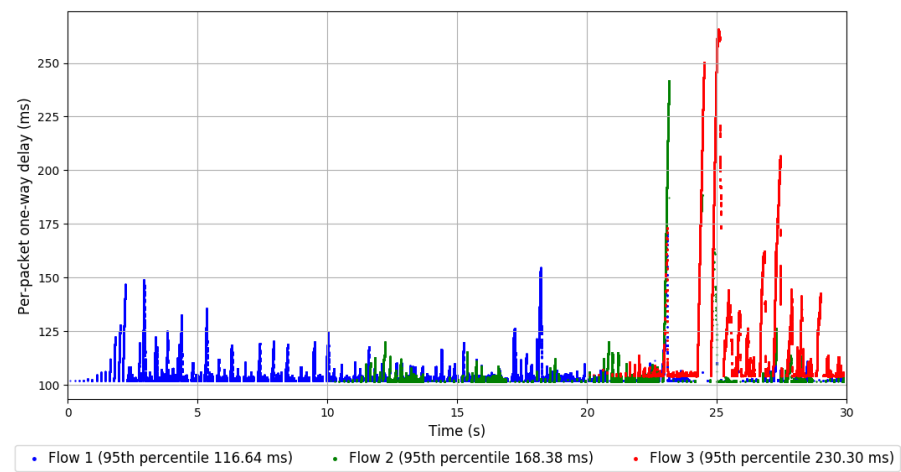
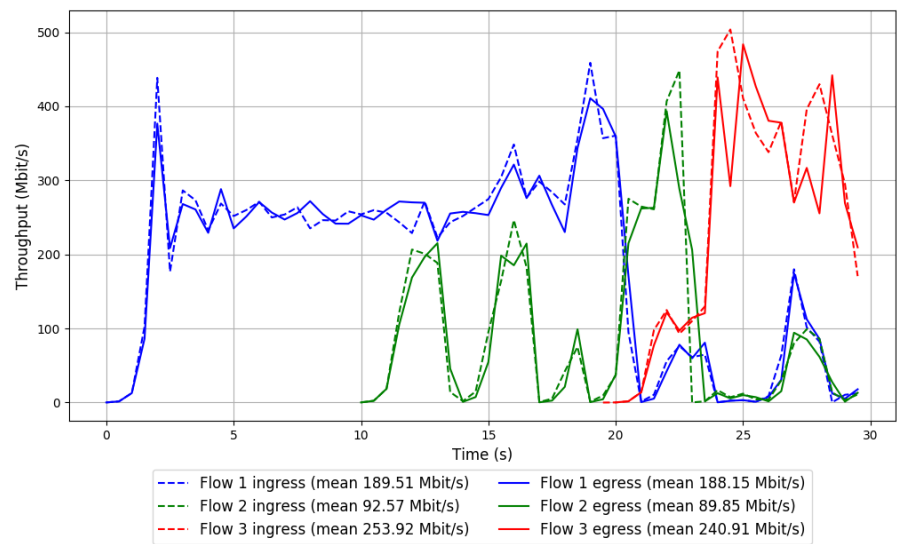


Run 5: Statistics of Verus

Start at: 2017-09-22 00:13:33
End at: 2017-09-22 00:14:03
Local clock offset: 0.194 ms
Remote clock offset: 11.875 ms

Below is generated by plot.py at 2017-09-22 03:52:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.19 Mbit/s
95th percentile per-packet one-way delay: 160.081 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 116.645 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 168.375 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 240.91 Mbit/s
95th percentile per-packet one-way delay: 230.299 ms
Loss rate: 5.14%

Run 5: Report of Verus — Data Link

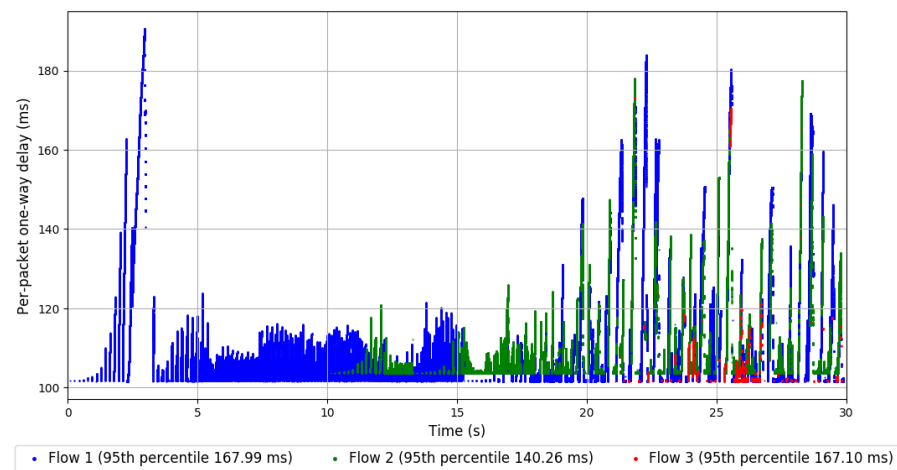
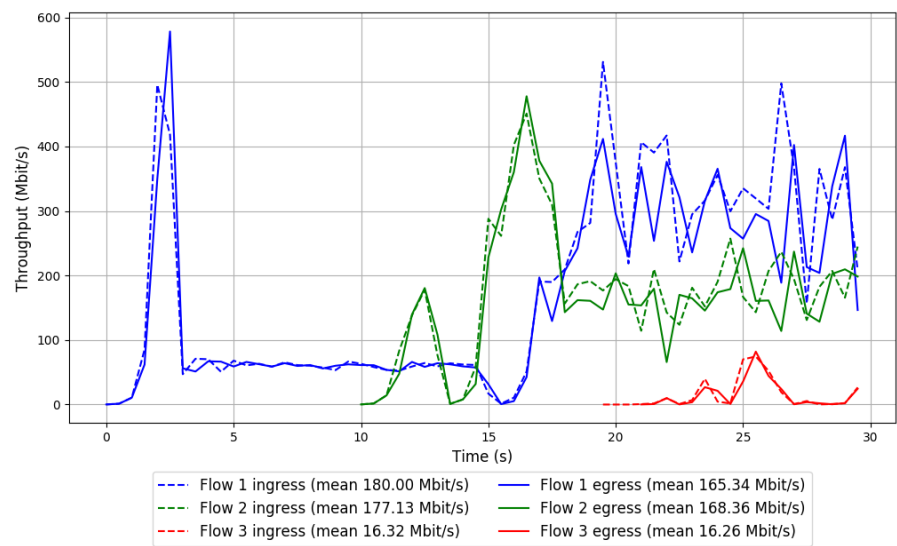


Run 6: Statistics of Verus

Start at: 2017-09-22 00:34:09
End at: 2017-09-22 00:34:39
Local clock offset: 0.126 ms
Remote clock offset: 11.694 ms

Below is generated by plot.py at 2017-09-22 03:52:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.30 Mbit/s
95th percentile per-packet one-way delay: 161.472 ms
Loss rate: 6.93%
-- Flow 1:
Average throughput: 165.34 Mbit/s
95th percentile per-packet one-way delay: 167.991 ms
Loss rate: 8.14%
-- Flow 2:
Average throughput: 168.36 Mbit/s
95th percentile per-packet one-way delay: 140.261 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 167.098 ms
Loss rate: 10.67%

Run 6: Report of Verus — Data Link

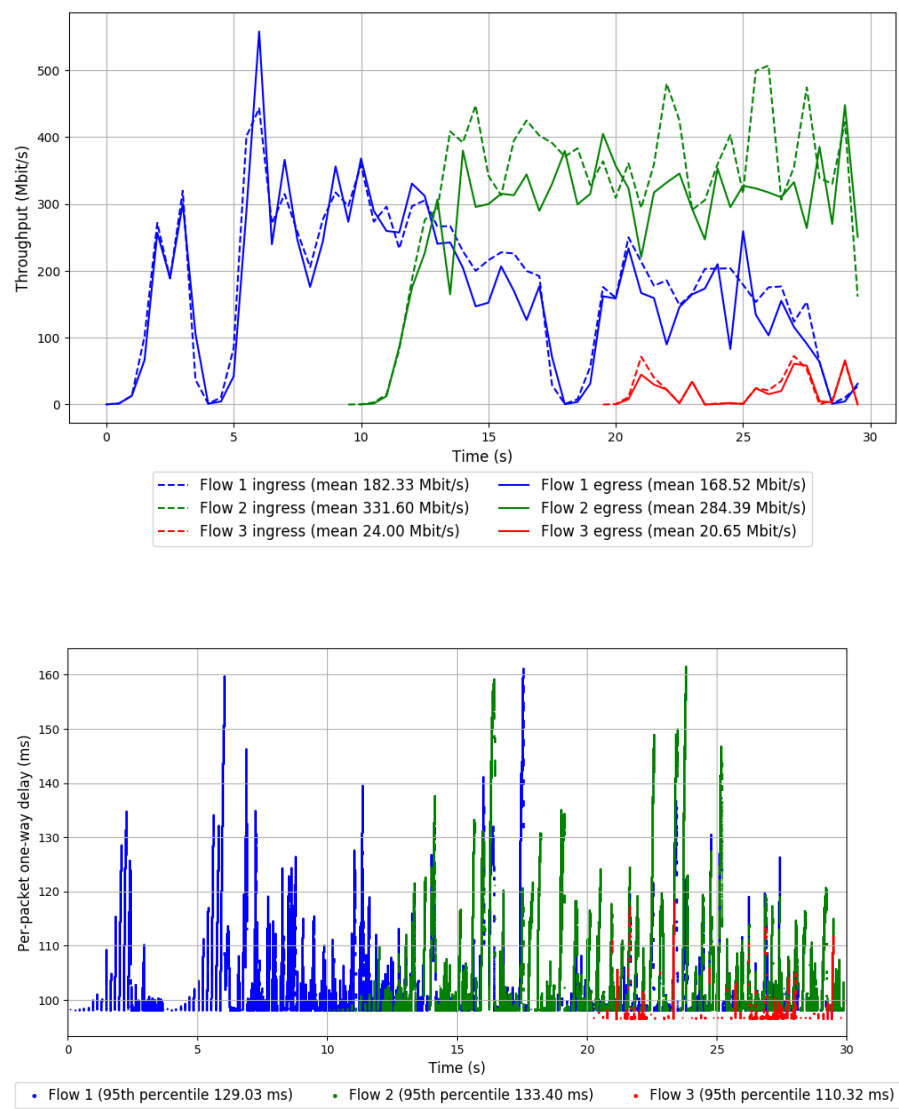


Run 7: Statistics of Verus

Start at: 2017-09-22 00:54:31
End at: 2017-09-22 00:55:01
Local clock offset: 0.085 ms
Remote clock offset: 6.858 ms

Below is generated by plot.py at 2017-09-22 03:54:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.30 Mbit/s
95th percentile per-packet one-way delay: 130.902 ms
Loss rate: 11.26%
-- Flow 1:
Average throughput: 168.52 Mbit/s
95th percentile per-packet one-way delay: 129.029 ms
Loss rate: 7.56%
-- Flow 2:
Average throughput: 284.39 Mbit/s
95th percentile per-packet one-way delay: 133.404 ms
Loss rate: 14.22%
-- Flow 3:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 110.320 ms
Loss rate: 13.99%

Run 7: Report of Verus — Data Link

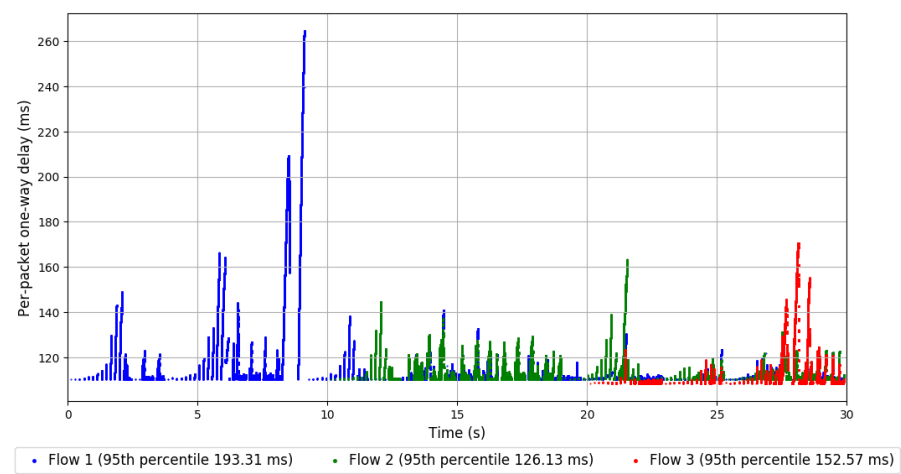
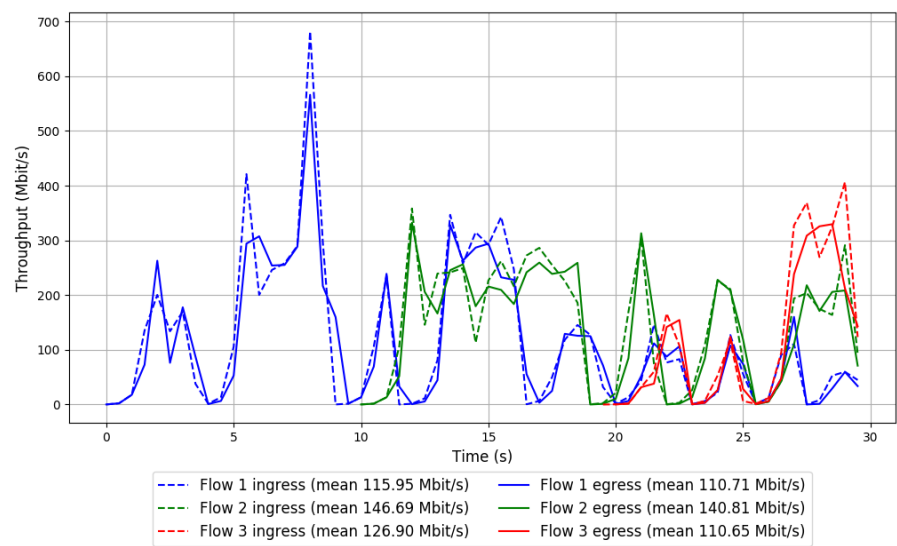


Run 8: Statistics of Verus

Start at: 2017-09-22 01:14:56
End at: 2017-09-22 01:15:26
Local clock offset: 0.09 ms
Remote clock offset: 19.172 ms

Below is generated by plot.py at 2017-09-22 03:54:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.49 Mbit/s
95th percentile per-packet one-way delay: 156.942 ms
Loss rate: 5.68%
-- Flow 1:
Average throughput: 110.71 Mbit/s
95th percentile per-packet one-way delay: 193.306 ms
Loss rate: 4.52%
-- Flow 2:
Average throughput: 140.81 Mbit/s
95th percentile per-packet one-way delay: 126.128 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 110.65 Mbit/s
95th percentile per-packet one-way delay: 152.574 ms
Loss rate: 12.80%

Run 8: Report of Verus — Data Link

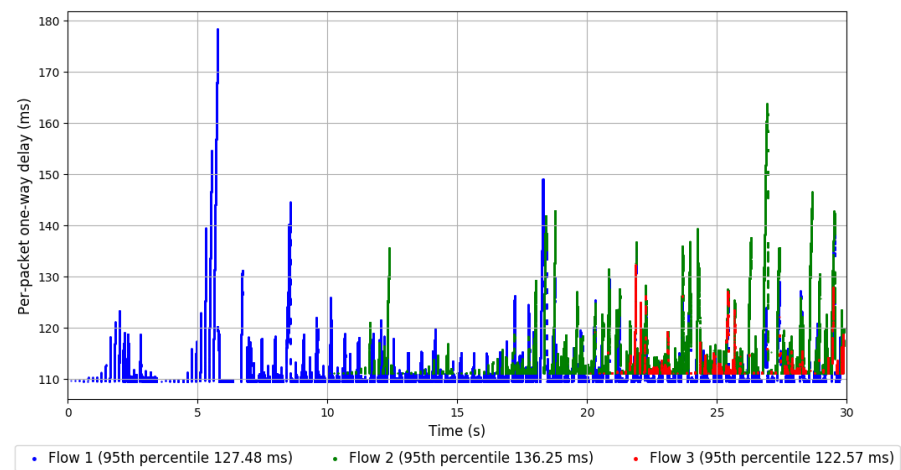
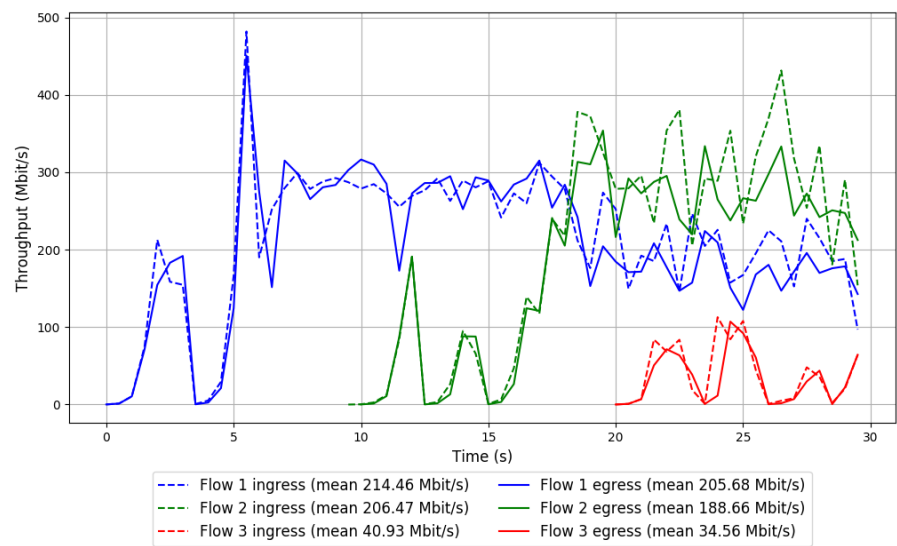


Run 9: Statistics of Verus

Start at: 2017-09-22 01:35:15
End at: 2017-09-22 01:35:46
Local clock offset: 0.052 ms
Remote clock offset: 20.726 ms

Below is generated by plot.py at 2017-09-22 03:56:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.45 Mbit/s
95th percentile per-packet one-way delay: 132.776 ms
Loss rate: 6.21%
-- Flow 1:
Average throughput: 205.68 Mbit/s
95th percentile per-packet one-way delay: 127.480 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 188.66 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 8.62%
-- Flow 3:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 122.568 ms
Loss rate: 15.50%

Run 9: Report of Verus — Data Link

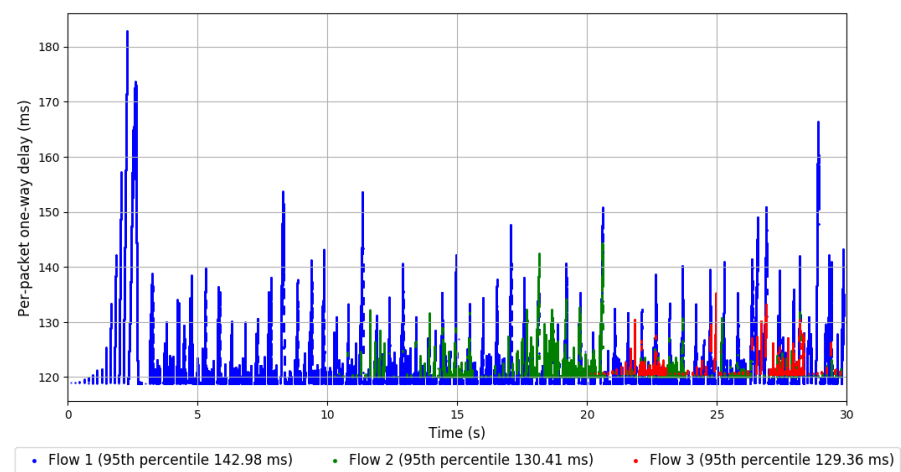
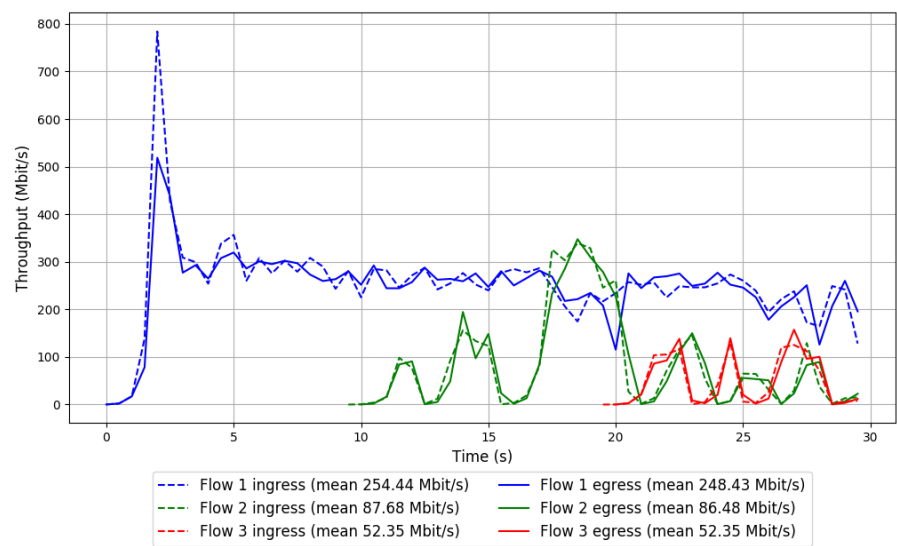


Run 10: Statistics of Verus

Start at: 2017-09-22 01:55:54
End at: 2017-09-22 01:56:24
Local clock offset: 0.015 ms
Remote clock offset: 29.822 ms

Below is generated by plot.py at 2017-09-22 03:56:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.43 Mbit/s
95th percentile per-packet one-way delay: 139.769 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 248.43 Mbit/s
95th percentile per-packet one-way delay: 142.979 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 130.412 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 129.361 ms
Loss rate: 0.01%

Run 10: Report of Verus — Data Link

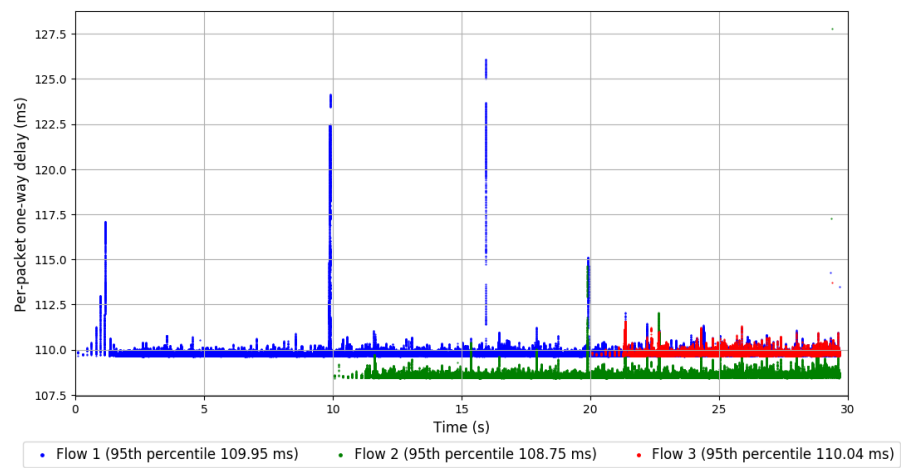
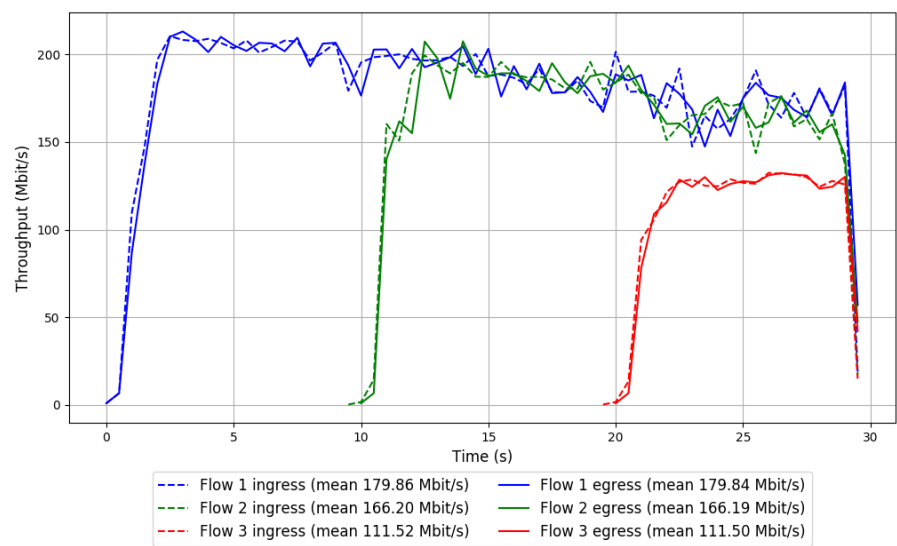


Run 1: Statistics of Indigo

Start at: 2017-09-21 22:59:08
End at: 2017-09-21 22:59:38
Local clock offset: 0.11 ms
Remote clock offset: 19.289 ms

Below is generated by plot.py at 2017-09-22 03:56:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.28 Mbit/s
95th percentile per-packet one-way delay: 109.907 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 179.84 Mbit/s
95th percentile per-packet one-way delay: 109.952 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 166.19 Mbit/s
95th percentile per-packet one-way delay: 108.749 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 111.50 Mbit/s
95th percentile per-packet one-way delay: 110.036 ms
Loss rate: 0.03%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-21 23:19:42

End at: 2017-09-21 23:20:12

Local clock offset: 0.026 ms

Remote clock offset: 8.106 ms

Below is generated by plot.py at 2017-09-22 03:57:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.86 Mbit/s

95th percentile per-packet one-way delay: 99.982 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 173.91 Mbit/s

95th percentile per-packet one-way delay: 97.706 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 158.31 Mbit/s

95th percentile per-packet one-way delay: 100.172 ms

Loss rate: 0.02%

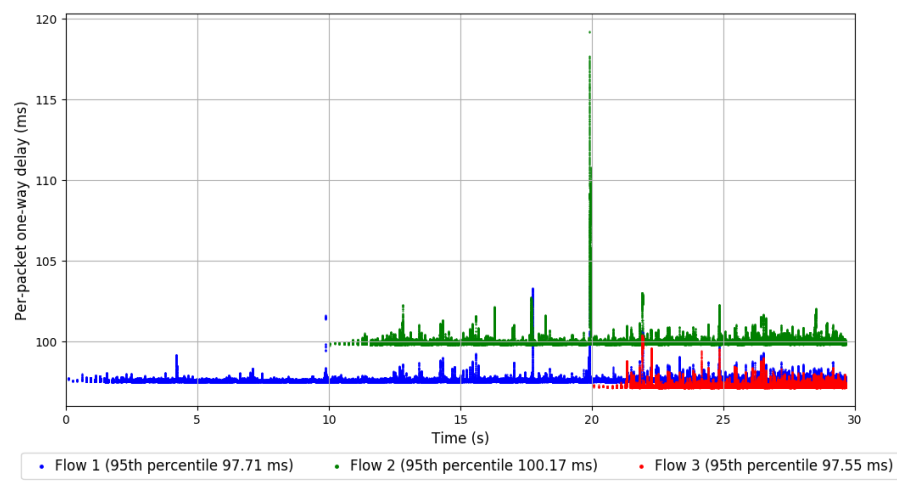
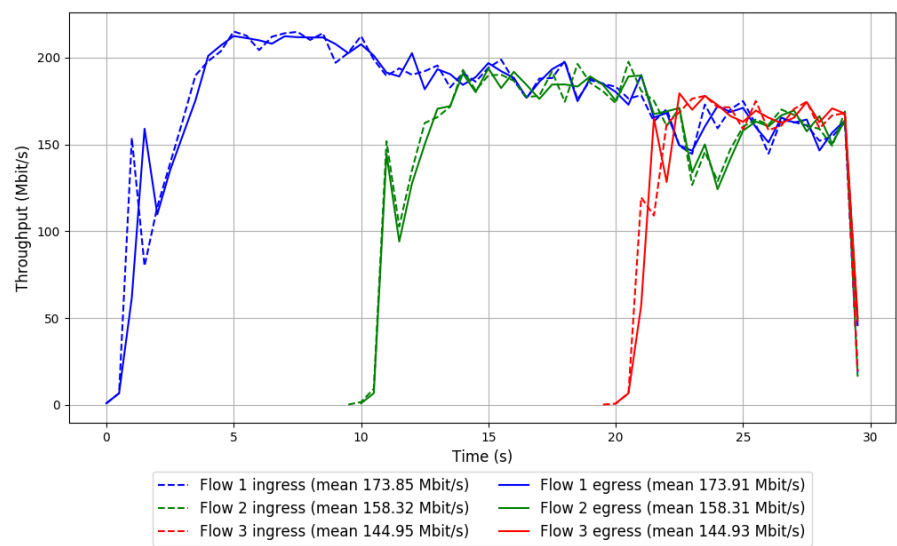
-- Flow 3:

Average throughput: 144.93 Mbit/s

95th percentile per-packet one-way delay: 97.545 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-21 23:40:36

End at: 2017-09-21 23:41:06

Local clock offset: 0.09 ms

Remote clock offset: 11.71 ms

Below is generated by plot.py at 2017-09-22 03:57:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.80 Mbit/s

95th percentile per-packet one-way delay: 101.613 ms

Loss rate: 2.24%

-- Flow 1:

Average throughput: 173.37 Mbit/s

95th percentile per-packet one-way delay: 101.659 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 163.50 Mbit/s

95th percentile per-packet one-way delay: 101.378 ms

Loss rate: 2.32%

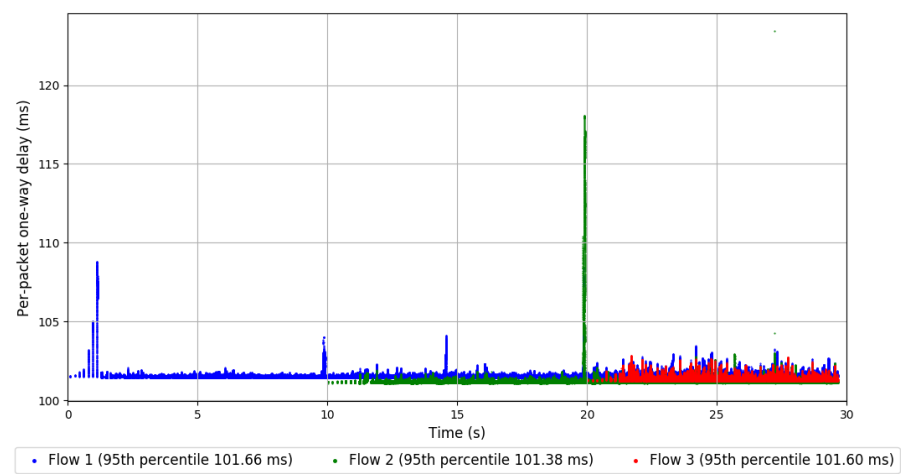
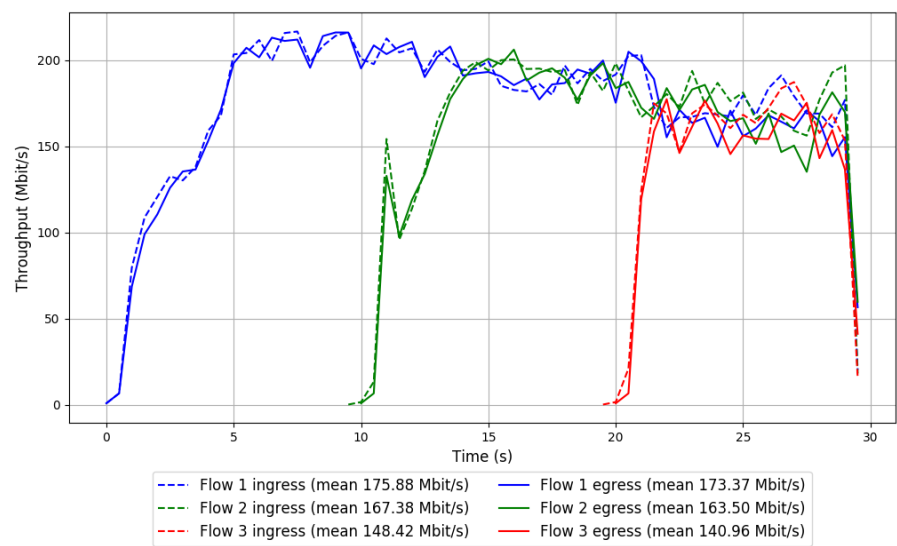
-- Flow 3:

Average throughput: 140.96 Mbit/s

95th percentile per-packet one-way delay: 101.596 ms

Loss rate: 5.02%

Run 3: Report of Indigo — Data Link

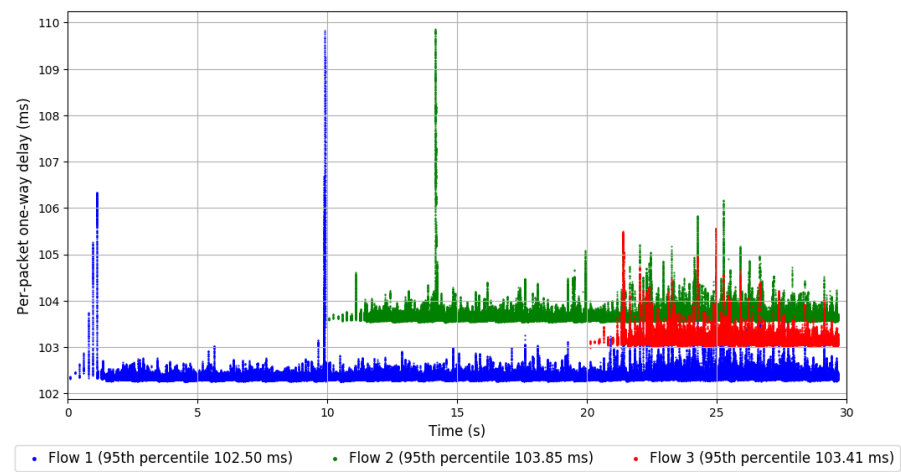
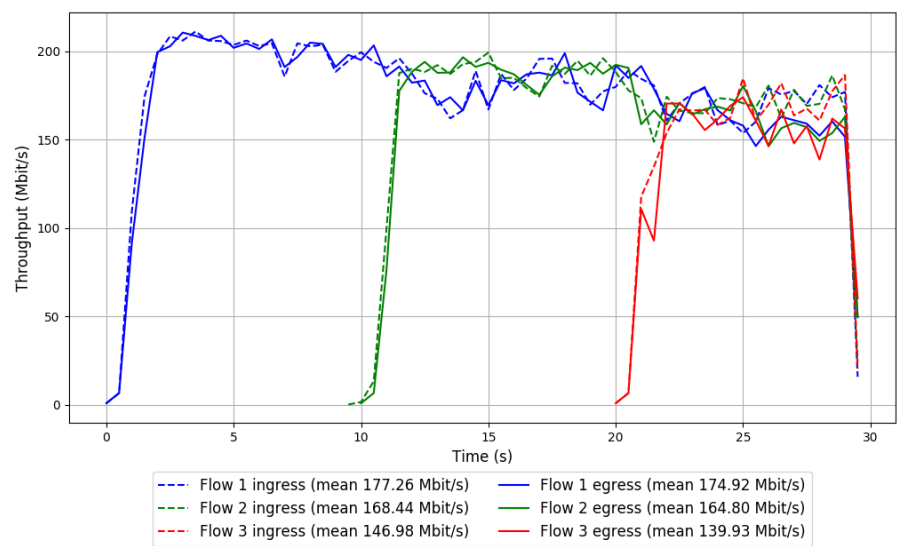


Run 4: Statistics of Indigo

Start at: 2017-09-22 00:01:30
End at: 2017-09-22 00:02:00
Local clock offset: 0.095 ms
Remote clock offset: 12.309 ms

```
# Below is generated by plot.py at 2017-09-22 03:57:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 329.48 Mbit/s
95th percentile per-packet one-way delay: 103.717 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 174.92 Mbit/s
95th percentile per-packet one-way delay: 102.503 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 164.80 Mbit/s
95th percentile per-packet one-way delay: 103.847 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 139.93 Mbit/s
95th percentile per-packet one-way delay: 103.411 ms
Loss rate: 4.79%
```

Run 4: Report of Indigo — Data Link

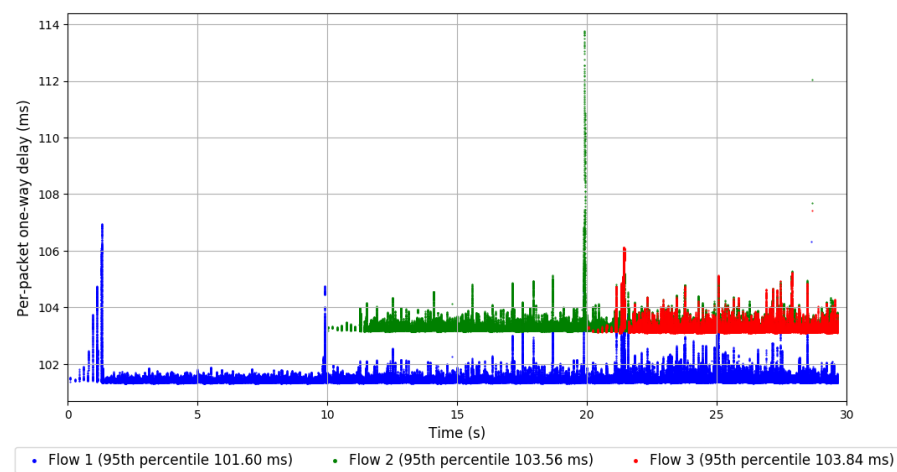
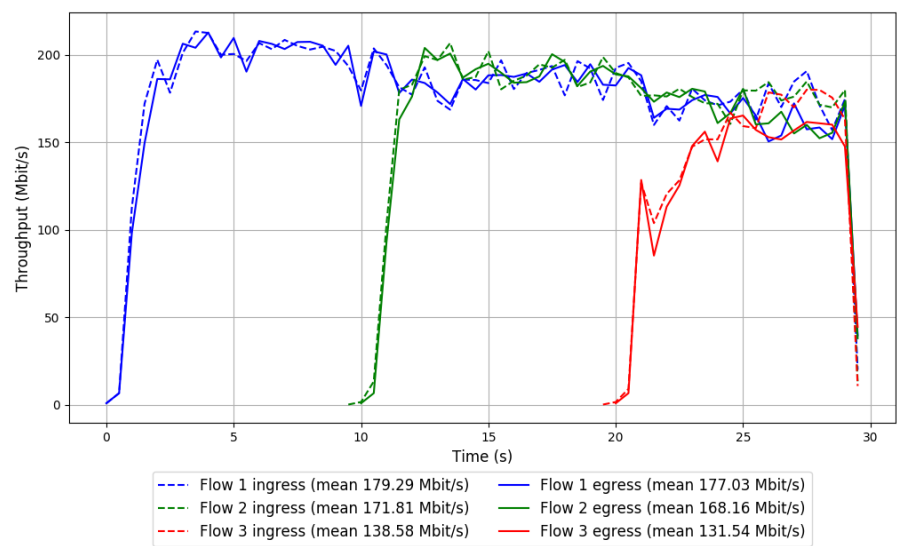


Run 5: Statistics of Indigo

Start at: 2017-09-22 00:22:07
End at: 2017-09-22 00:22:37
Local clock offset: 0.071 ms
Remote clock offset: 11.648 ms

Below is generated by plot.py at 2017-09-22 03:57:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.39 Mbit/s
95th percentile per-packet one-way delay: 103.425 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 177.03 Mbit/s
95th percentile per-packet one-way delay: 101.600 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 168.16 Mbit/s
95th percentile per-packet one-way delay: 103.562 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 131.54 Mbit/s
95th percentile per-packet one-way delay: 103.837 ms
Loss rate: 5.10%

Run 5: Report of Indigo — Data Link

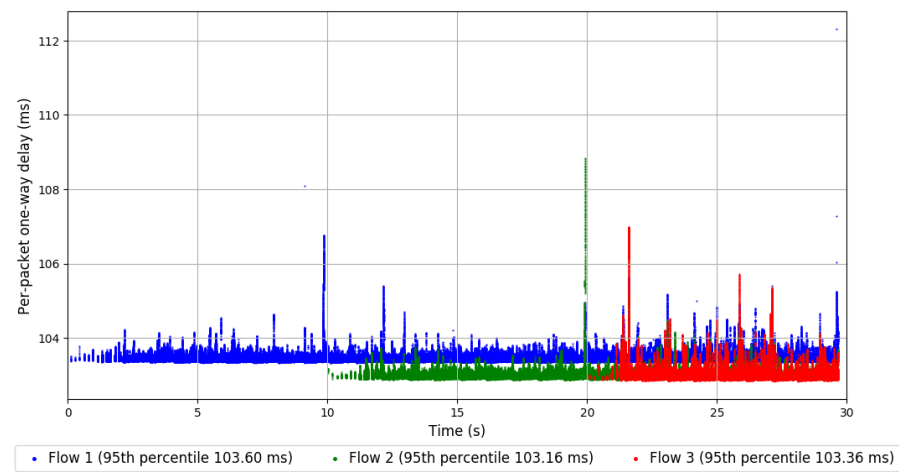
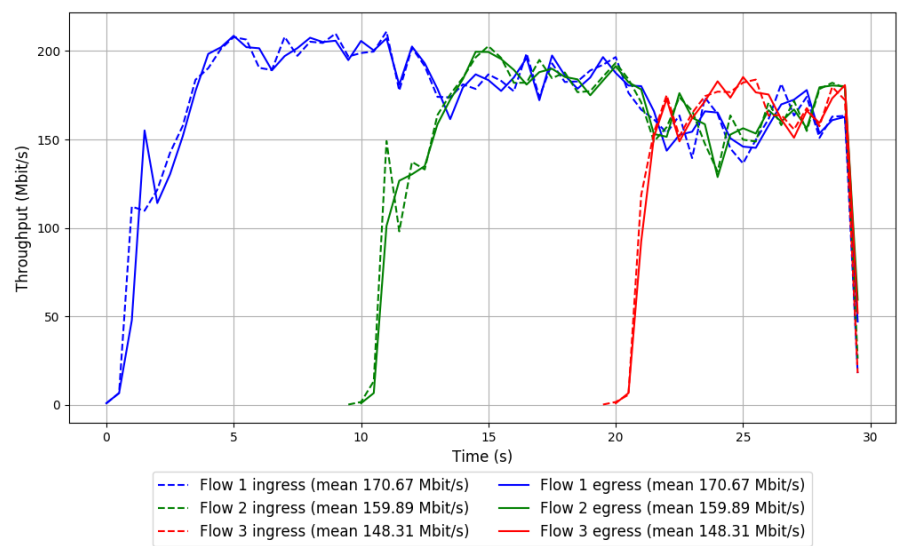


Run 6: Statistics of Indigo

Start at: 2017-09-22 00:42:31
End at: 2017-09-22 00:43:01
Local clock offset: 0.114 ms
Remote clock offset: 11.517 ms

Below is generated by plot.py at 2017-09-22 03:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.99 Mbit/s
95th percentile per-packet one-way delay: 103.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.67 Mbit/s
95th percentile per-packet one-way delay: 103.601 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 159.89 Mbit/s
95th percentile per-packet one-way delay: 103.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.31 Mbit/s
95th percentile per-packet one-way delay: 103.357 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

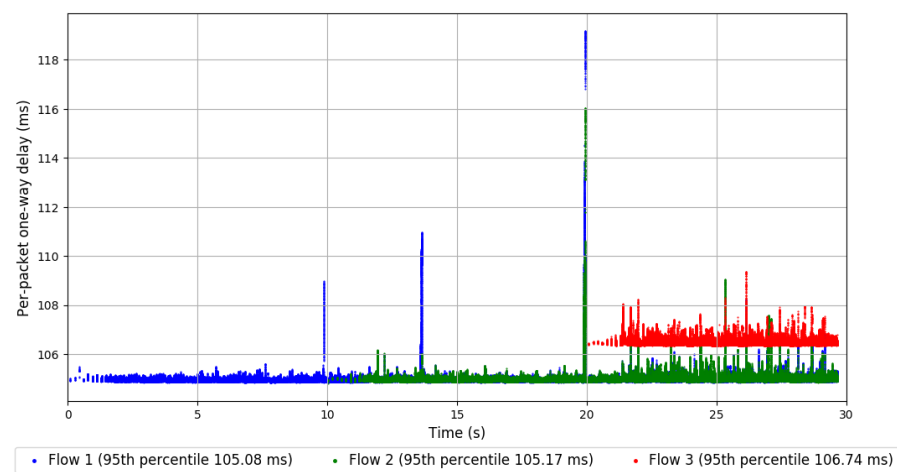
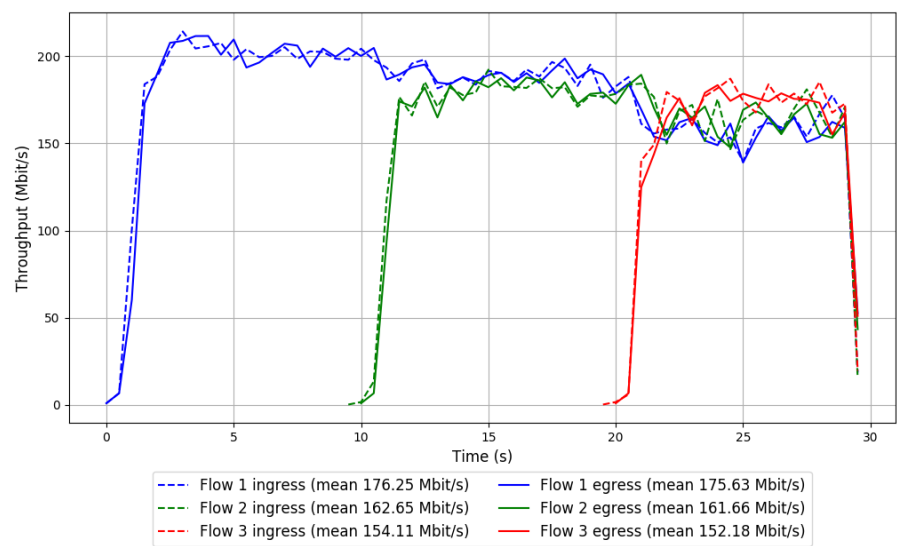


Run 7: Statistics of Indigo

Start at: 2017-09-22 01:03:01
End at: 2017-09-22 01:03:31
Local clock offset: 0.021 ms
Remote clock offset: 15.398 ms

Below is generated by plot.py at 2017-09-22 04:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.30 Mbit/s
95th percentile per-packet one-way delay: 106.492 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 175.63 Mbit/s
95th percentile per-packet one-way delay: 105.080 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 161.66 Mbit/s
95th percentile per-packet one-way delay: 105.165 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 152.18 Mbit/s
95th percentile per-packet one-way delay: 106.741 ms
Loss rate: 1.25%

Run 7: Report of Indigo — Data Link

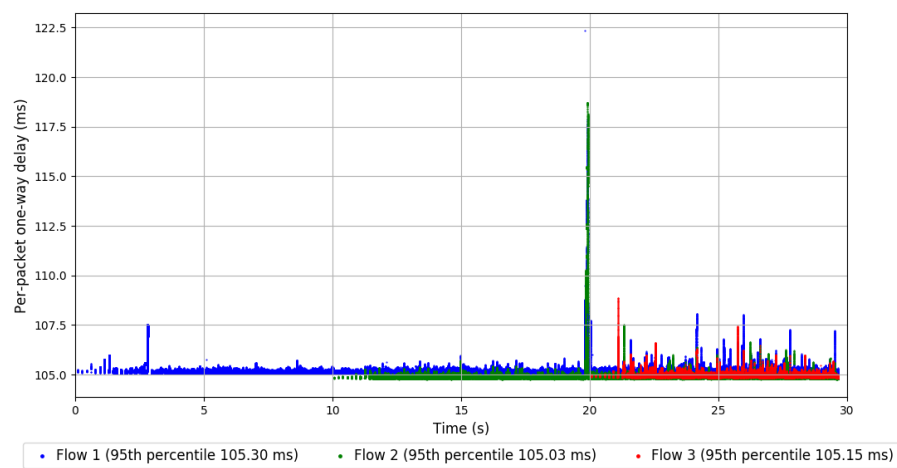
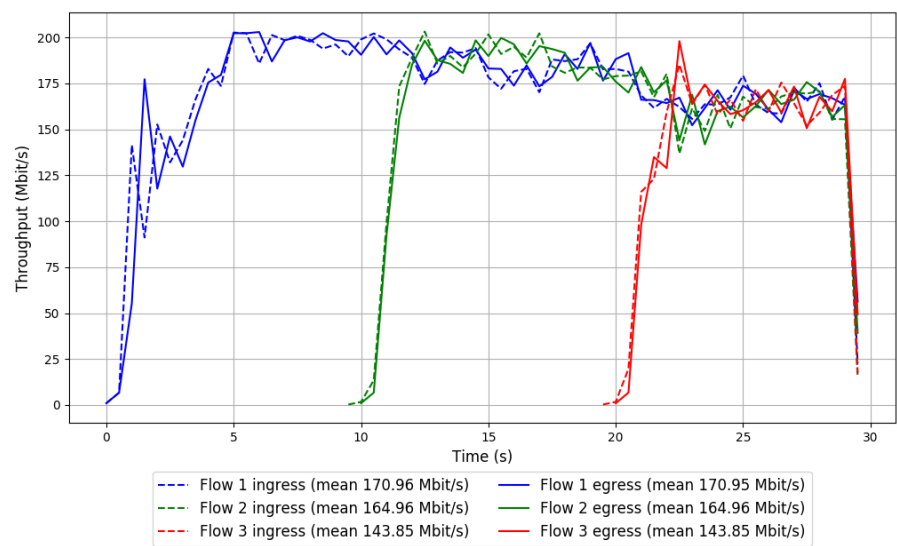


Run 8: Statistics of Indigo

Start at: 2017-09-22 01:23:11
End at: 2017-09-22 01:23:41
Local clock offset: 0.086 ms
Remote clock offset: 15.804 ms

Below is generated by plot.py at 2017-09-22 04:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.14 Mbit/s
95th percentile per-packet one-way delay: 105.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.95 Mbit/s
95th percentile per-packet one-way delay: 105.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.96 Mbit/s
95th percentile per-packet one-way delay: 105.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 143.85 Mbit/s
95th percentile per-packet one-way delay: 105.152 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

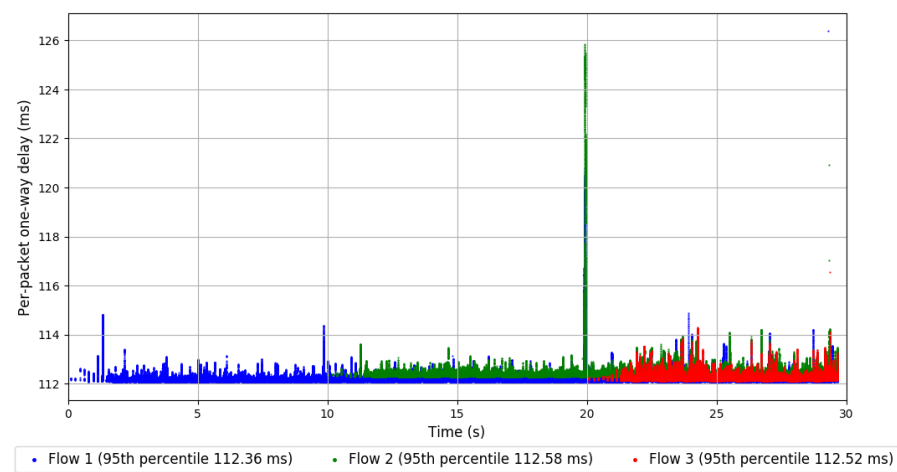
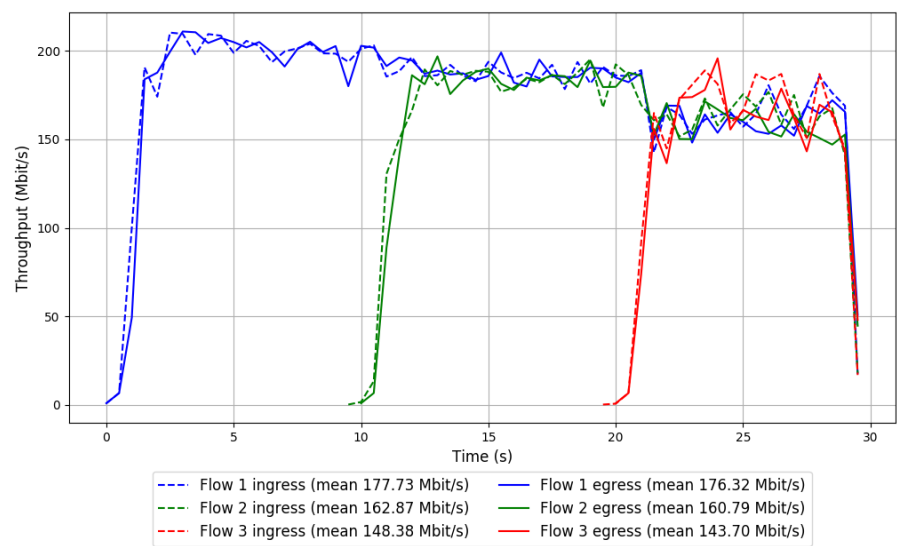


Run 9: Statistics of Indigo

Start at: 2017-09-22 01:43:47
End at: 2017-09-22 01:44:17
Local clock offset: 0.072 ms
Remote clock offset: 21.289 ms

Below is generated by plot.py at 2017-09-22 04:01:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.72 Mbit/s
95th percentile per-packet one-way delay: 112.496 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 176.32 Mbit/s
95th percentile per-packet one-way delay: 112.357 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 160.79 Mbit/s
95th percentile per-packet one-way delay: 112.578 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 143.70 Mbit/s
95th percentile per-packet one-way delay: 112.515 ms
Loss rate: 3.17%

Run 9: Report of Indigo — Data Link

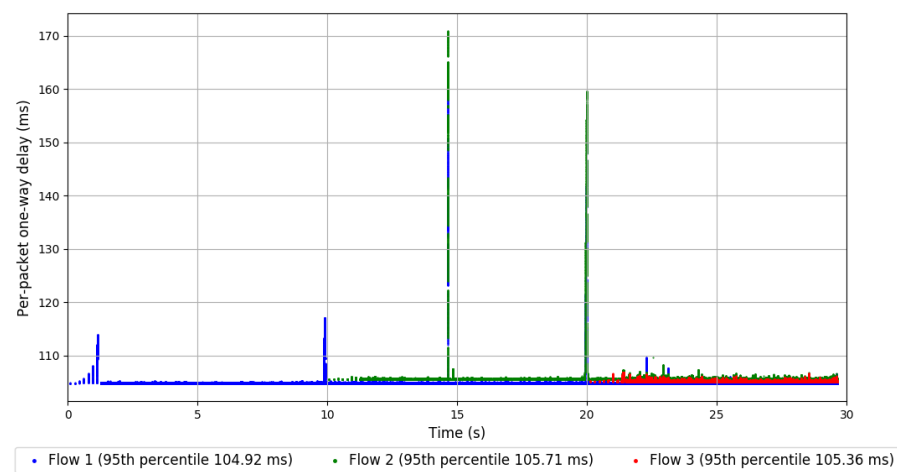
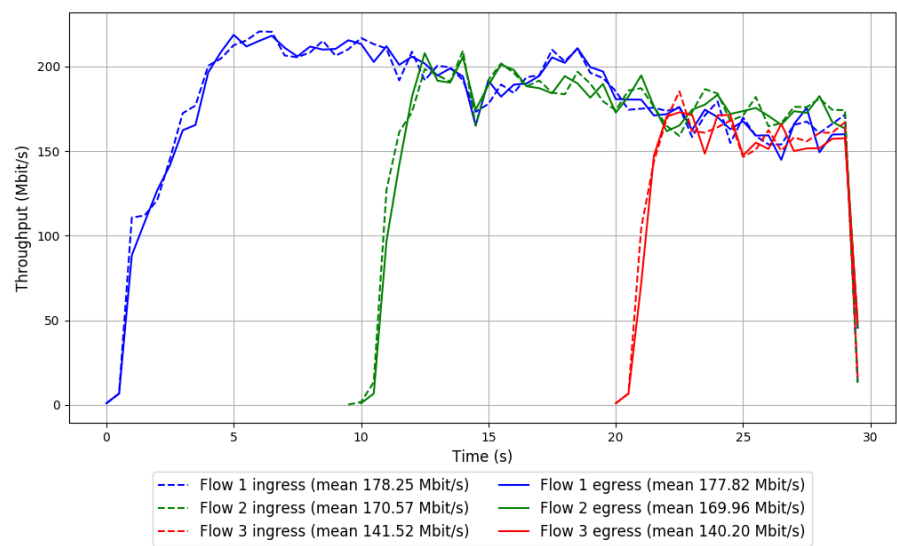


Run 10: Statistics of Indigo

Start at: 2017-09-22 02:04:14
End at: 2017-09-22 02:04:44
Local clock offset: -0.054 ms
Remote clock offset: 16.273 ms

Below is generated by plot.py at 2017-09-22 04:01:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.62 Mbit/s
95th percentile per-packet one-way delay: 105.601 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 177.82 Mbit/s
95th percentile per-packet one-way delay: 104.924 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 169.96 Mbit/s
95th percentile per-packet one-way delay: 105.714 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 140.20 Mbit/s
95th percentile per-packet one-way delay: 105.365 ms
Loss rate: 0.93%

Run 10: Report of Indigo — Data Link

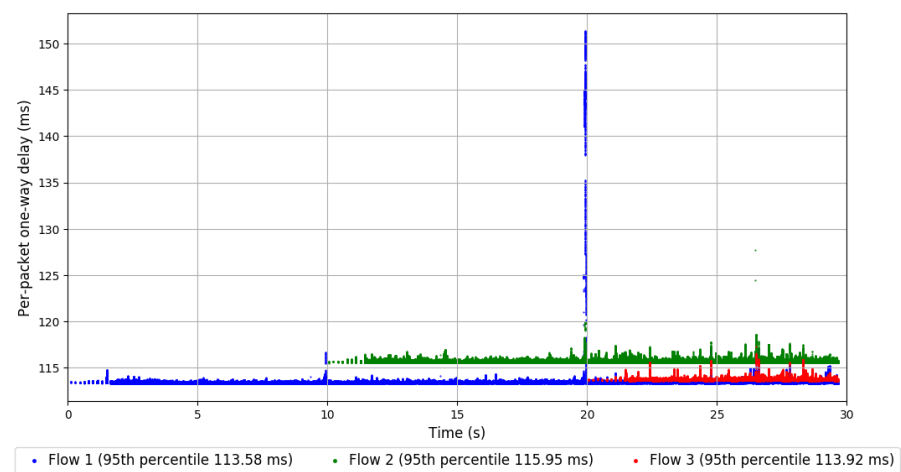
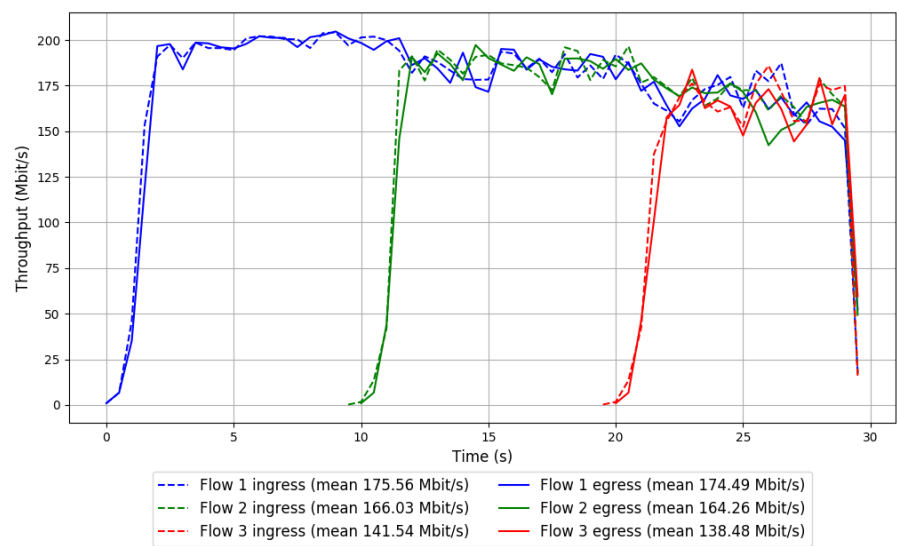


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 23:04:09
End at: 2017-09-21 23:04:39
Local clock offset: -0.015 ms
Remote clock offset: 24.797 ms

# Below is generated by plot.py at 2017-09-22 04:01:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.54 Mbit/s
95th percentile per-packet one-way delay: 115.782 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 174.49 Mbit/s
95th percentile per-packet one-way delay: 113.580 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 164.26 Mbit/s
95th percentile per-packet one-way delay: 115.949 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 138.48 Mbit/s
95th percentile per-packet one-way delay: 113.918 ms
Loss rate: 2.16%
```


Run 1: Report of Indigo-calib — Data Link

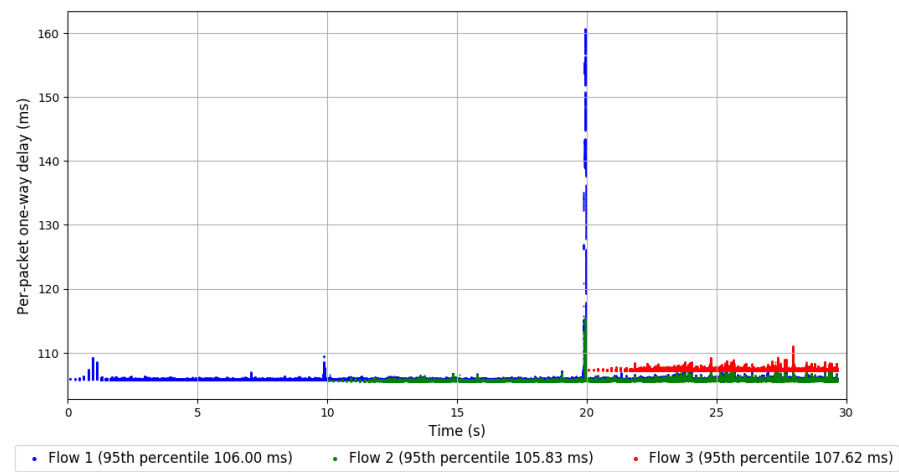
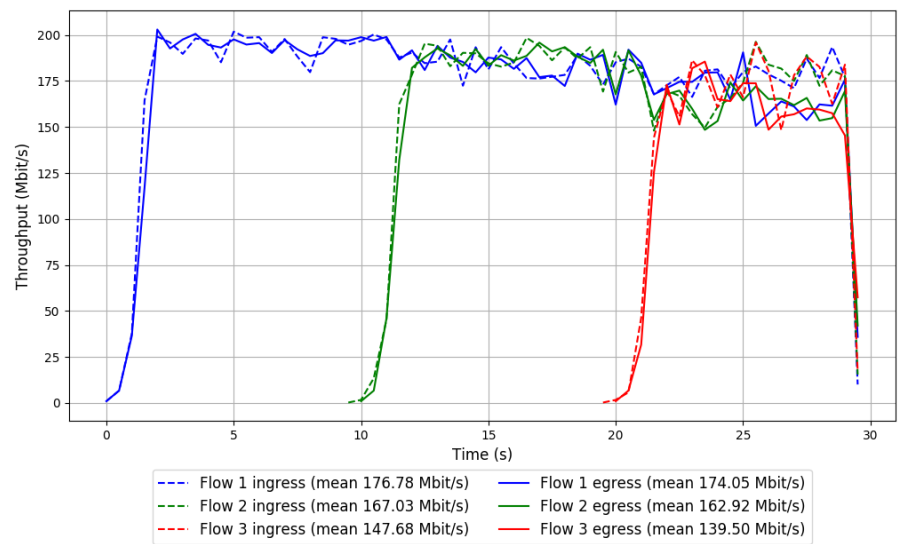


Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 23:24:45
End at: 2017-09-21 23:25:15
Local clock offset: 0.124 ms
Remote clock offset: 16.375 ms

Below is generated by plot.py at 2017-09-22 04:02:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.35 Mbit/s
95th percentile per-packet one-way delay: 107.330 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 174.05 Mbit/s
95th percentile per-packet one-way delay: 105.996 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 162.92 Mbit/s
95th percentile per-packet one-way delay: 105.827 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 139.50 Mbit/s
95th percentile per-packet one-way delay: 107.616 ms
Loss rate: 5.54%

Run 2: Report of Indigo-calib — Data Link

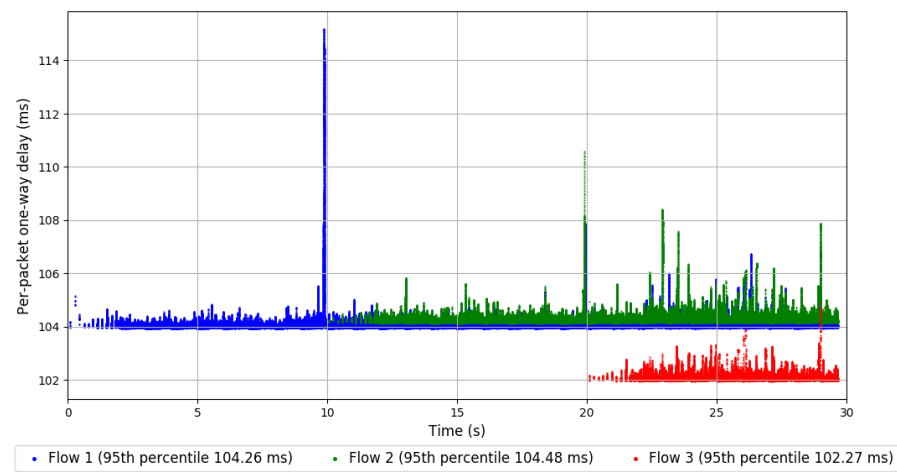
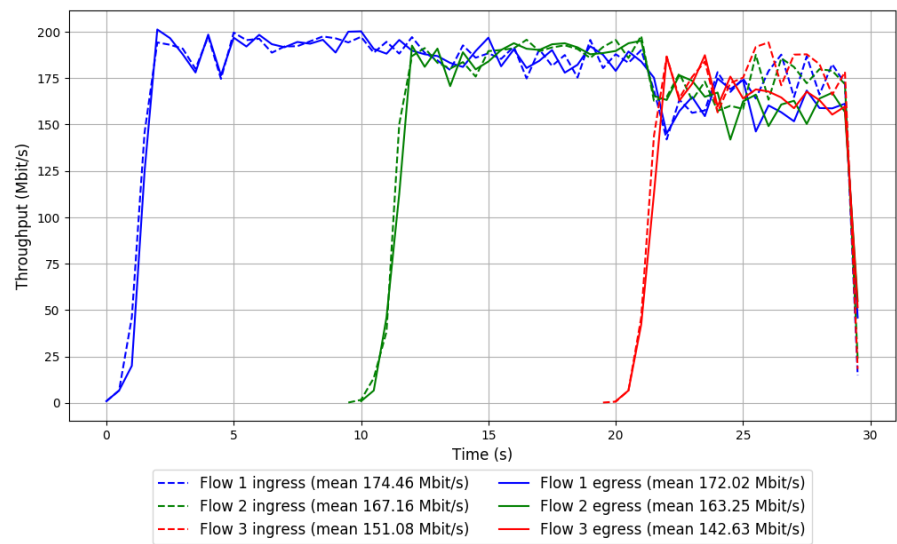


Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 23:45:36
End at: 2017-09-21 23:46:06
Local clock offset: 0.107 ms
Remote clock offset: 12.423 ms

Below is generated by plot.py at 2017-09-22 04:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.46 Mbit/s
95th percentile per-packet one-way delay: 104.363 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 172.02 Mbit/s
95th percentile per-packet one-way delay: 104.256 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 163.25 Mbit/s
95th percentile per-packet one-way delay: 104.484 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 142.63 Mbit/s
95th percentile per-packet one-way delay: 102.269 ms
Loss rate: 5.59%

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-09-22 00:06:23

End at: 2017-09-22 00:06:53

Local clock offset: 0.109 ms

Remote clock offset: 6.499 ms

Below is generated by plot.py at 2017-09-22 04:03:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.99 Mbit/s

95th percentile per-packet one-way delay: 98.855 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 173.24 Mbit/s

95th percentile per-packet one-way delay: 98.184 ms

Loss rate: 1.64%

-- Flow 2:

Average throughput: 164.18 Mbit/s

95th percentile per-packet one-way delay: 98.579 ms

Loss rate: 2.59%

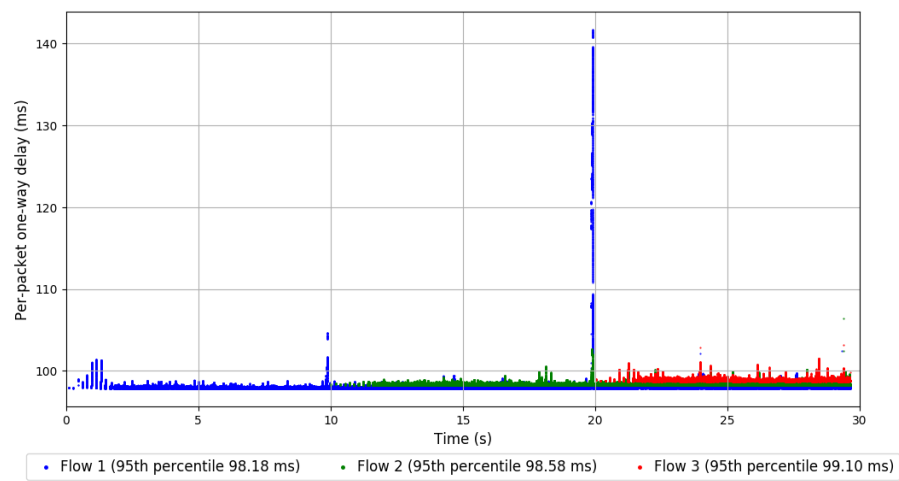
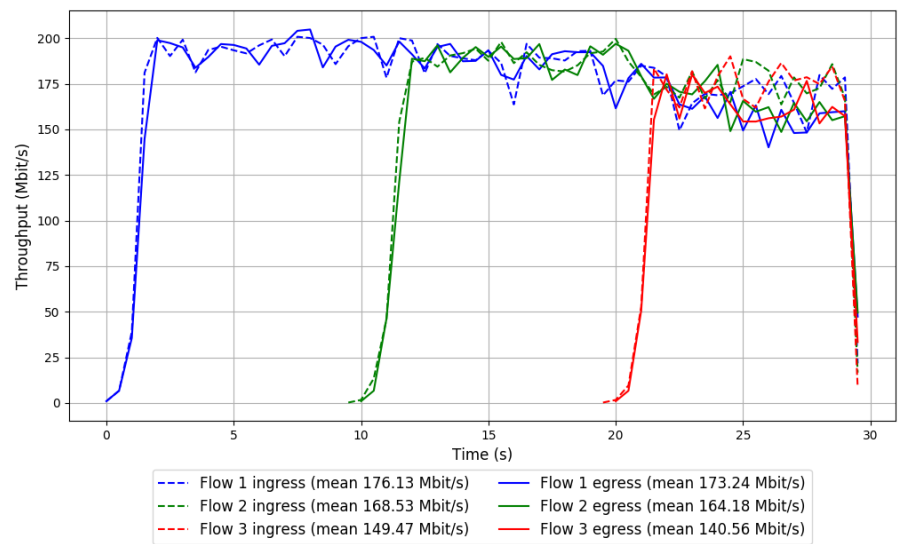
-- Flow 3:

Average throughput: 140.56 Mbit/s

95th percentile per-packet one-way delay: 99.097 ms

Loss rate: 5.97%

Run 4: Report of Indigo-calib — Data Link

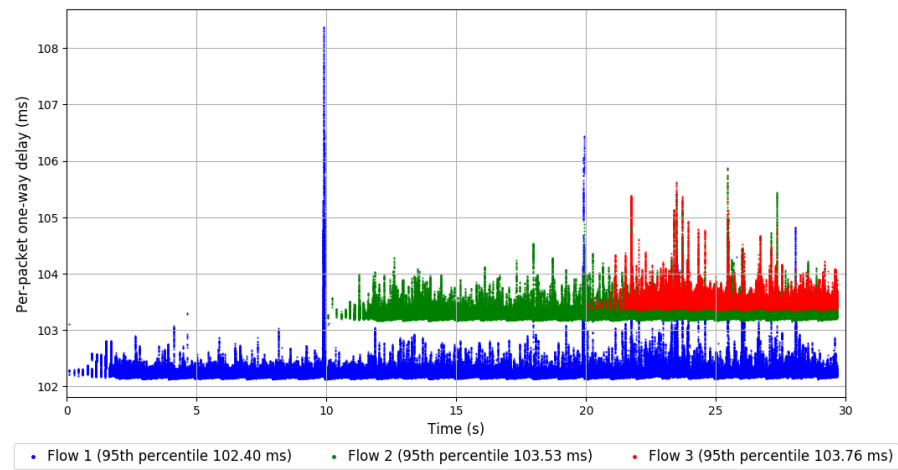
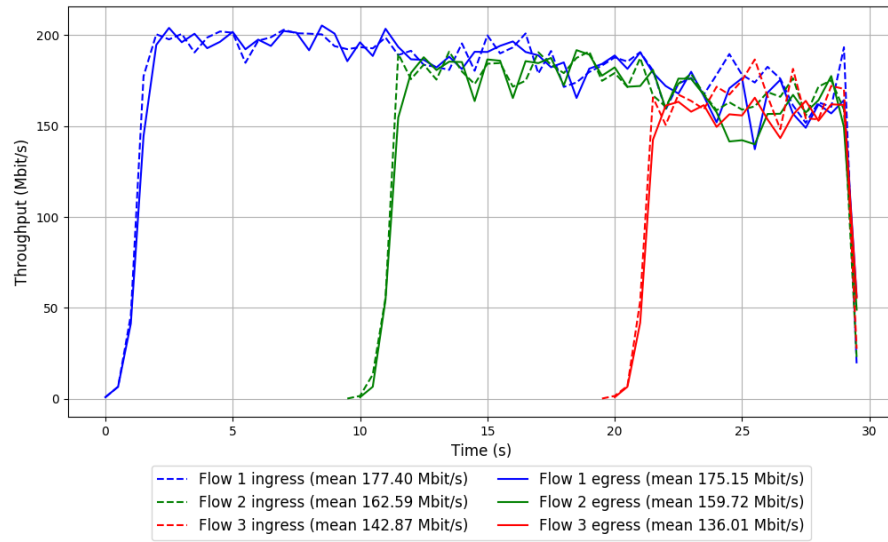


Run 5: Statistics of Indigo-calib

Start at: 2017-09-22 00:26:58
End at: 2017-09-22 00:27:28
Local clock offset: 0.095 ms
Remote clock offset: 11.711 ms

Below is generated by plot.py at 2017-09-22 04:05:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.34 Mbit/s
95th percentile per-packet one-way delay: 103.517 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 175.15 Mbit/s
95th percentile per-packet one-way delay: 102.403 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 159.72 Mbit/s
95th percentile per-packet one-way delay: 103.528 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 136.01 Mbit/s
95th percentile per-packet one-way delay: 103.757 ms
Loss rate: 4.80%

Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-09-22 00:47:25

End at: 2017-09-22 00:47:55

Local clock offset: 0.125 ms

Remote clock offset: 11.98 ms

Below is generated by plot.py at 2017-09-22 04:05:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 323.93 Mbit/s

95th percentile per-packet one-way delay: 104.192 ms

Loss rate: 2.28%

-- Flow 1:

Average throughput: 169.38 Mbit/s

95th percentile per-packet one-way delay: 104.273 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 163.80 Mbit/s

95th percentile per-packet one-way delay: 101.800 ms

Loss rate: 2.33%

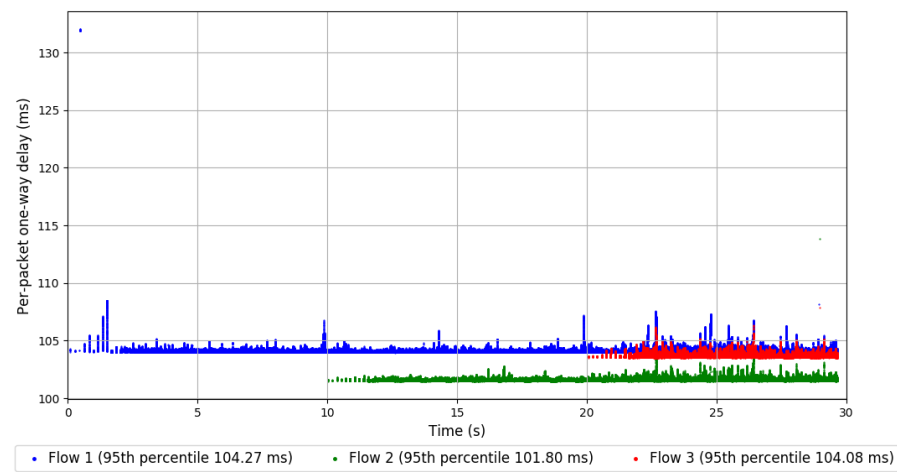
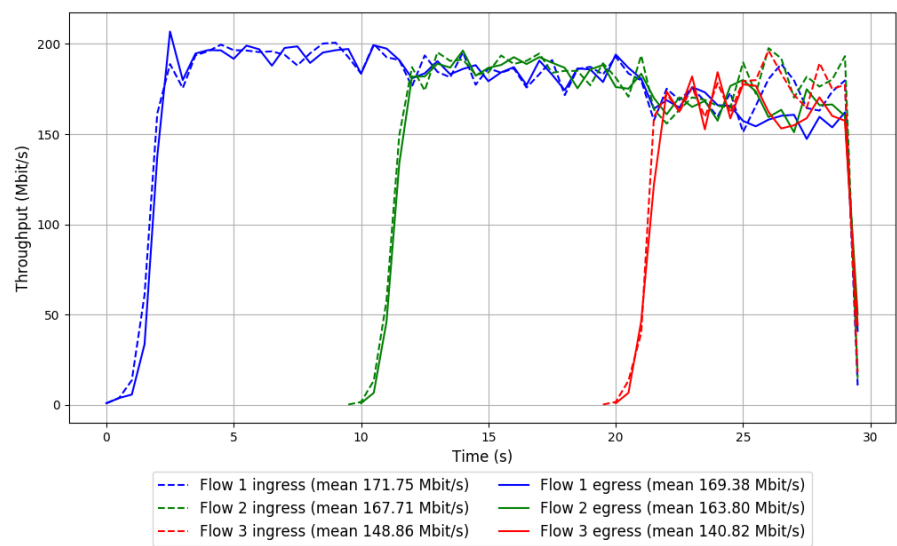
-- Flow 3:

Average throughput: 140.82 Mbit/s

95th percentile per-packet one-way delay: 104.075 ms

Loss rate: 5.40%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-09-22 01:07:58

End at: 2017-09-22 01:08:28

Local clock offset: 0.102 ms

Remote clock offset: 15.47 ms

Below is generated by plot.py at 2017-09-22 04:06:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 328.32 Mbit/s

95th percentile per-packet one-way delay: 106.883 ms

Loss rate: 3.00%

-- Flow 1:

Average throughput: 172.90 Mbit/s

95th percentile per-packet one-way delay: 105.716 ms

Loss rate: 1.96%

-- Flow 2:

Average throughput: 164.58 Mbit/s

95th percentile per-packet one-way delay: 104.750 ms

Loss rate: 3.00%

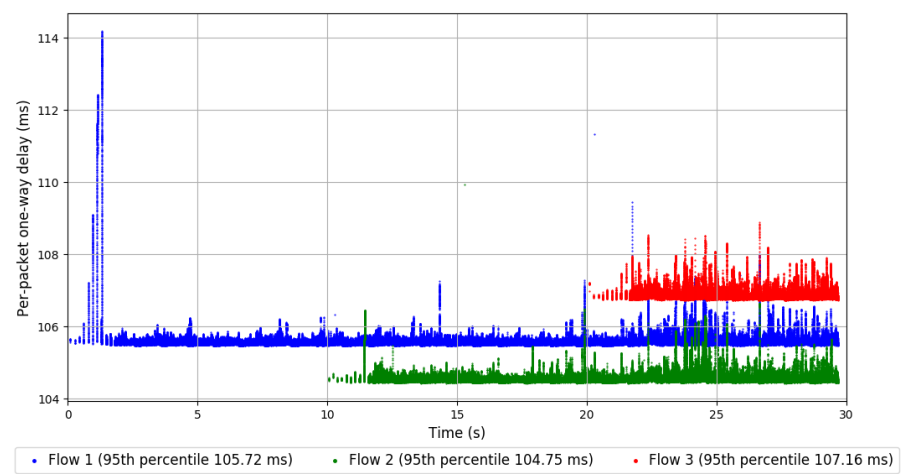
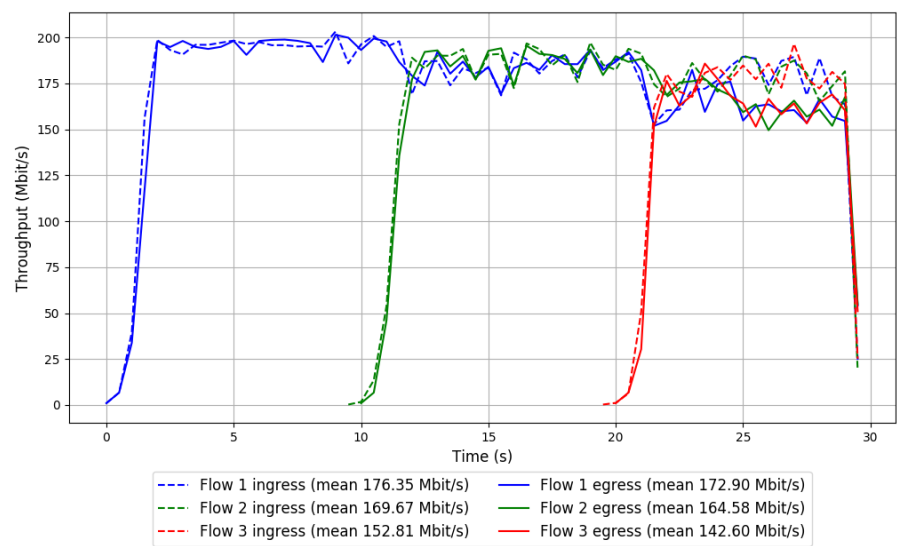
-- Flow 3:

Average throughput: 142.60 Mbit/s

95th percentile per-packet one-way delay: 107.159 ms

Loss rate: 6.70%

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-09-22 01:28:09

End at: 2017-09-22 01:28:39

Local clock offset: 0.078 ms

Remote clock offset: 20.59 ms

Below is generated by plot.py at 2017-09-22 04:06:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.11 Mbit/s

95th percentile per-packet one-way delay: 111.808 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 171.58 Mbit/s

95th percentile per-packet one-way delay: 110.500 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 165.74 Mbit/s

95th percentile per-packet one-way delay: 111.931 ms

Loss rate: 0.97%

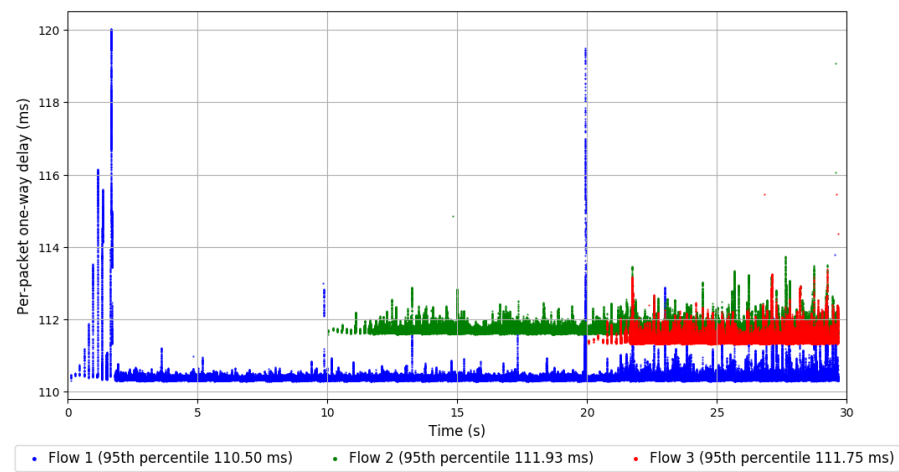
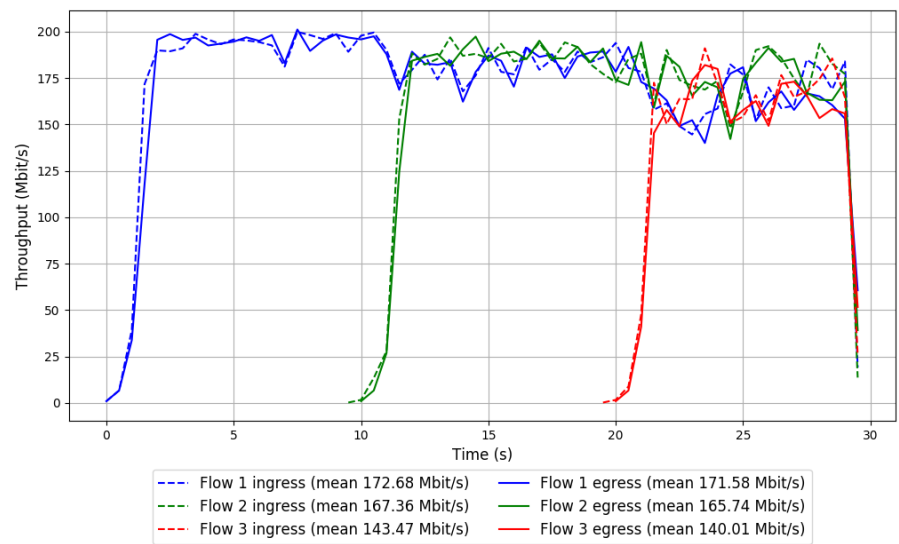
-- Flow 3:

Average throughput: 140.01 Mbit/s

95th percentile per-packet one-way delay: 111.751 ms

Loss rate: 2.41%

Run 8: Report of Indigo-calib — Data Link

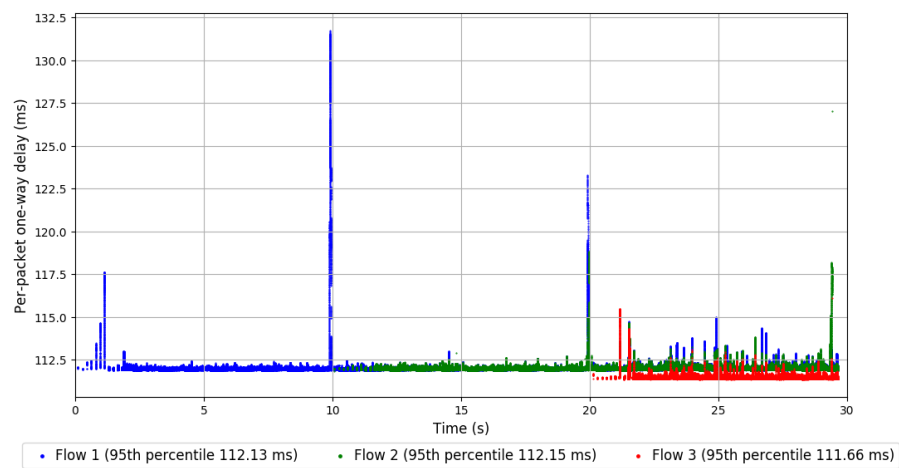
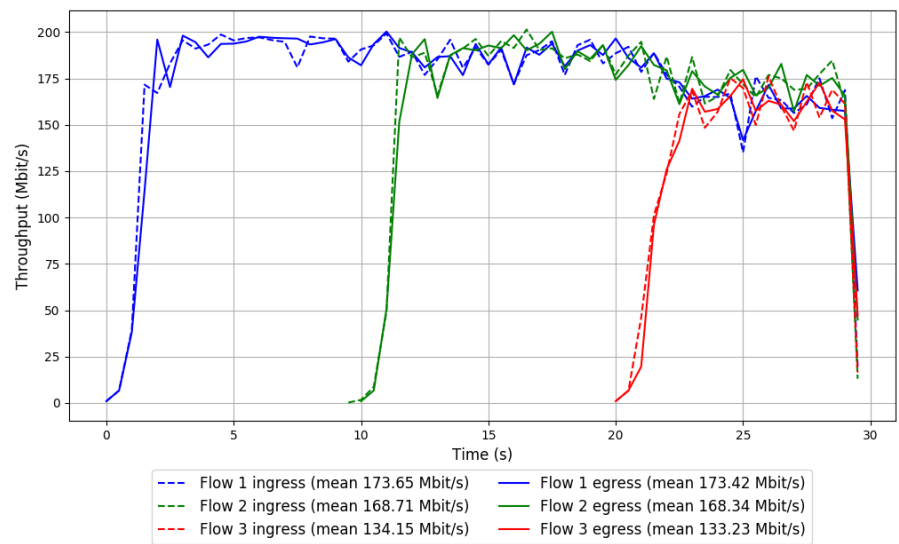


Run 9: Statistics of Indigo-calib

Start at: 2017-09-22 01:48:40
End at: 2017-09-22 01:49:10
Local clock offset: 0.019 ms
Remote clock offset: 22.928 ms

Below is generated by plot.py at 2017-09-22 04:06:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.97 Mbit/s
95th percentile per-packet one-way delay: 112.125 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 173.42 Mbit/s
95th percentile per-packet one-way delay: 112.132 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 168.34 Mbit/s
95th percentile per-packet one-way delay: 112.146 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 133.23 Mbit/s
95th percentile per-packet one-way delay: 111.659 ms
Loss rate: 0.69%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

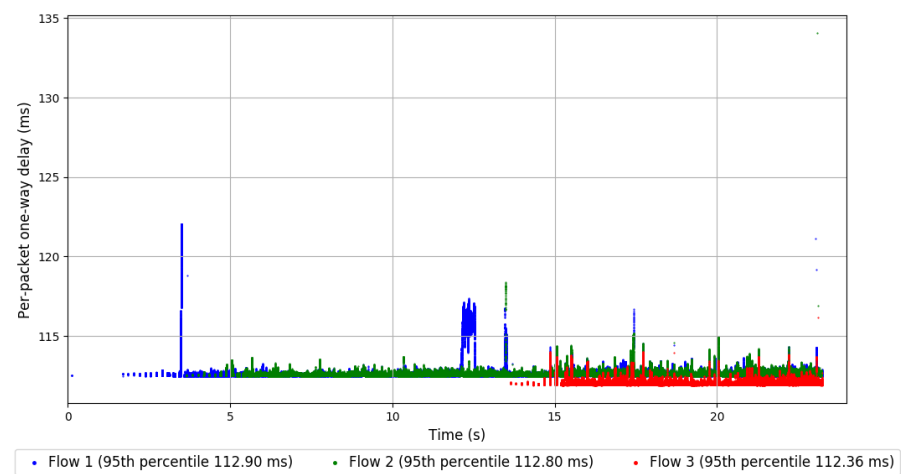
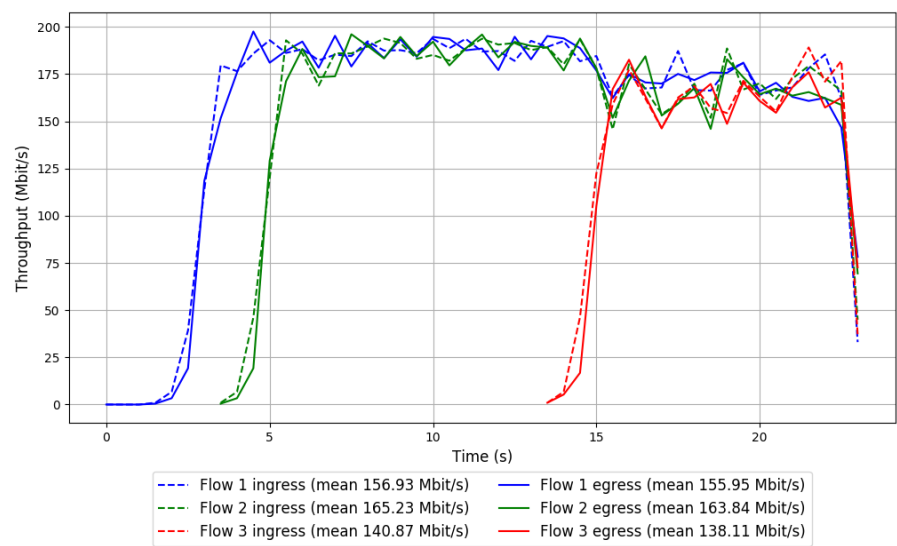
Start at: 2017-09-22 02:09:22

End at: 2017-09-22 02:09:52

Local clock offset: -0.063 ms

Remote clock offset: 21.705 ms

Run 10: Report of Indigo-calib — Data Link

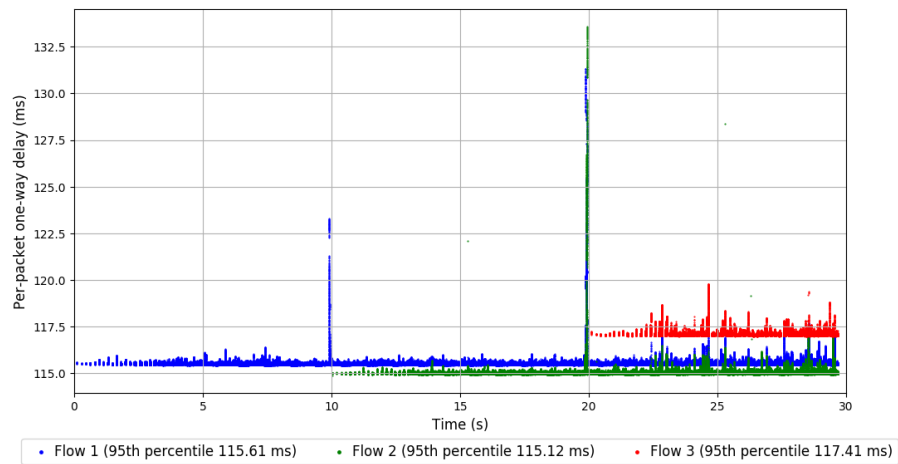
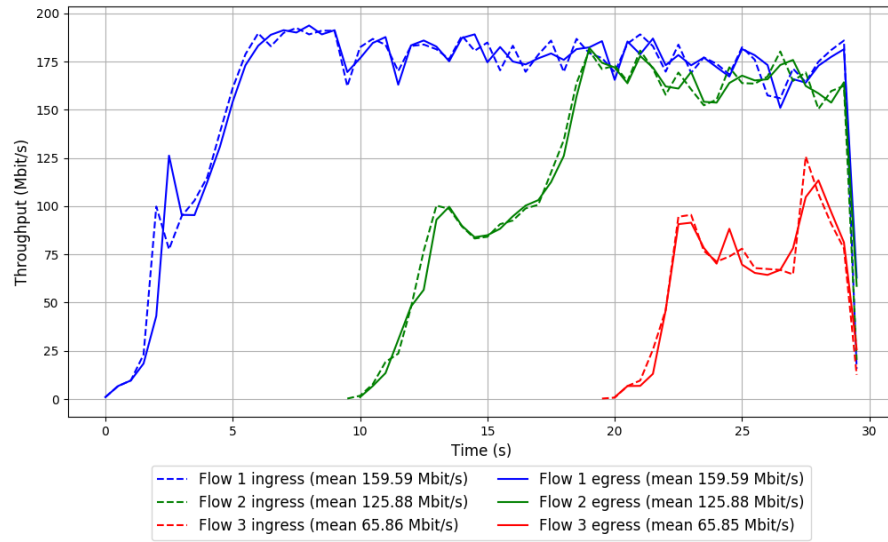


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 22:52:22
End at: 2017-09-21 22:52:52
Local clock offset: -0.094 ms
Remote clock offset: 26.267 ms

# Below is generated by plot.py at 2017-09-22 04:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 264.50 Mbit/s
95th percentile per-packet one-way delay: 117.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.59 Mbit/s
95th percentile per-packet one-way delay: 115.609 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 125.88 Mbit/s
95th percentile per-packet one-way delay: 115.123 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.85 Mbit/s
95th percentile per-packet one-way delay: 117.408 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-delay — Data Link

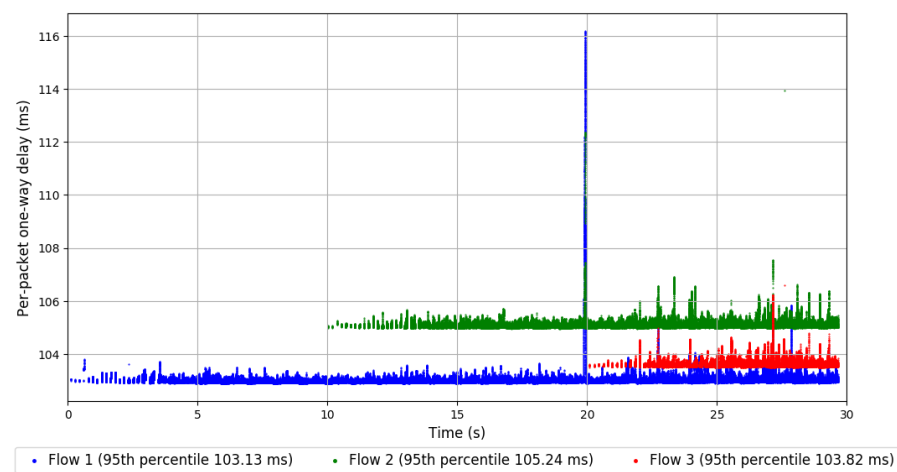
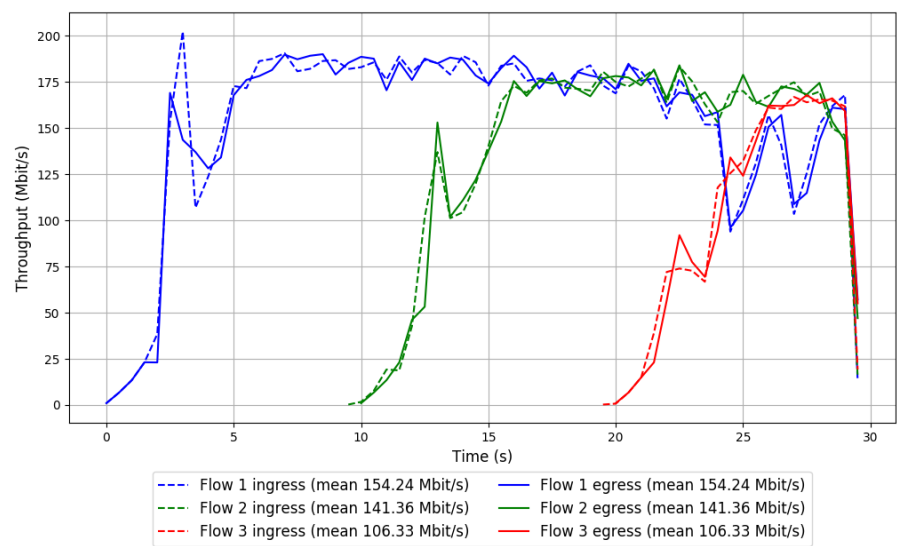


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 23:12:51
End at: 2017-09-21 23:13:21
Local clock offset: 0.088 ms
Remote clock offset: 14.078 ms

# Below is generated by plot.py at 2017-09-22 04:08:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.56 Mbit/s
95th percentile per-packet one-way delay: 105.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.24 Mbit/s
95th percentile per-packet one-way delay: 103.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.36 Mbit/s
95th percentile per-packet one-way delay: 105.240 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.33 Mbit/s
95th percentile per-packet one-way delay: 103.822 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-delay — Data Link



Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 23:33:40

End at: 2017-09-21 23:34:10

Local clock offset: 0.048 ms

Remote clock offset: 7.091 ms

Below is generated by plot.py at 2017-09-22 04:09:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.16 Mbit/s

95th percentile per-packet one-way delay: 97.061 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 159.44 Mbit/s

95th percentile per-packet one-way delay: 97.103 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 148.07 Mbit/s

95th percentile per-packet one-way delay: 96.694 ms

Loss rate: 0.00%

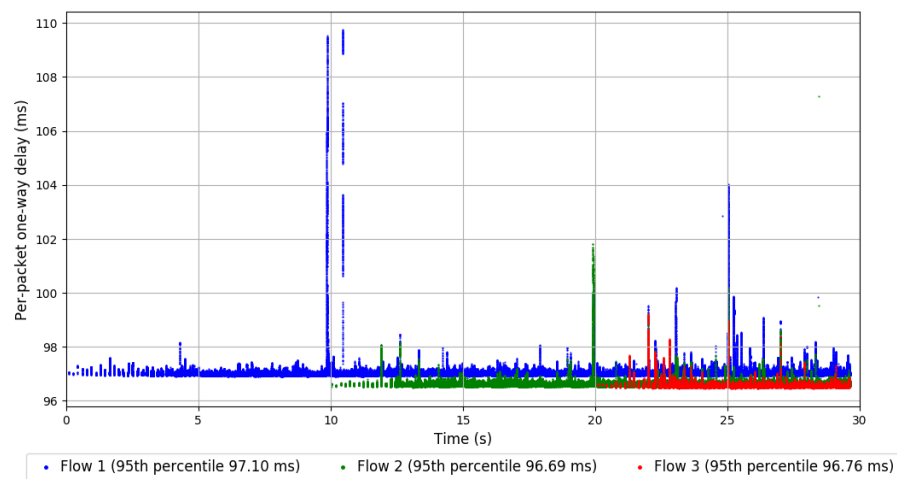
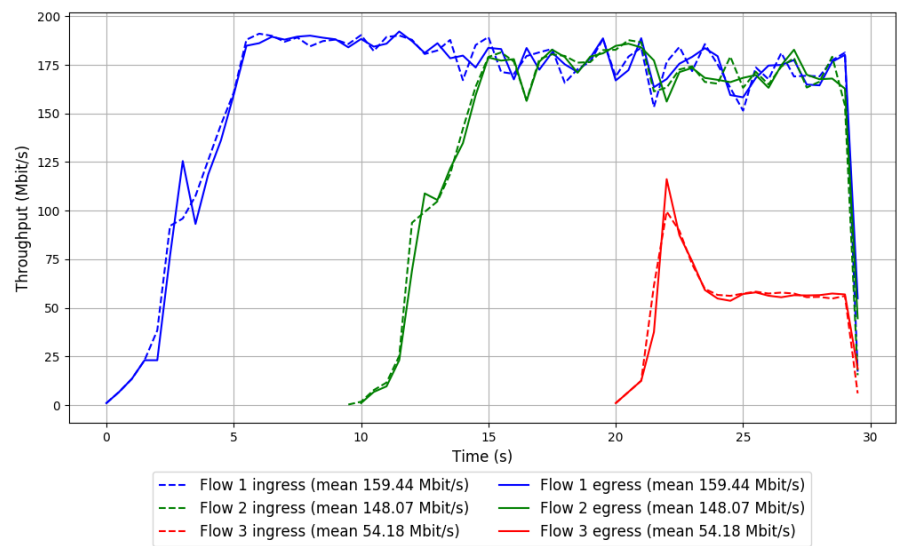
-- Flow 3:

Average throughput: 54.18 Mbit/s

95th percentile per-packet one-way delay: 96.762 ms

Loss rate: 0.00%

Run 3: Report of Indigo-delay — Data Link

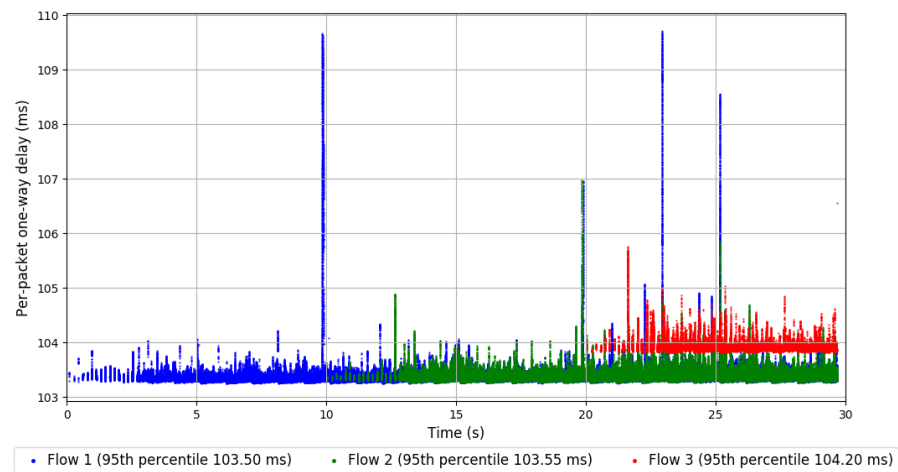
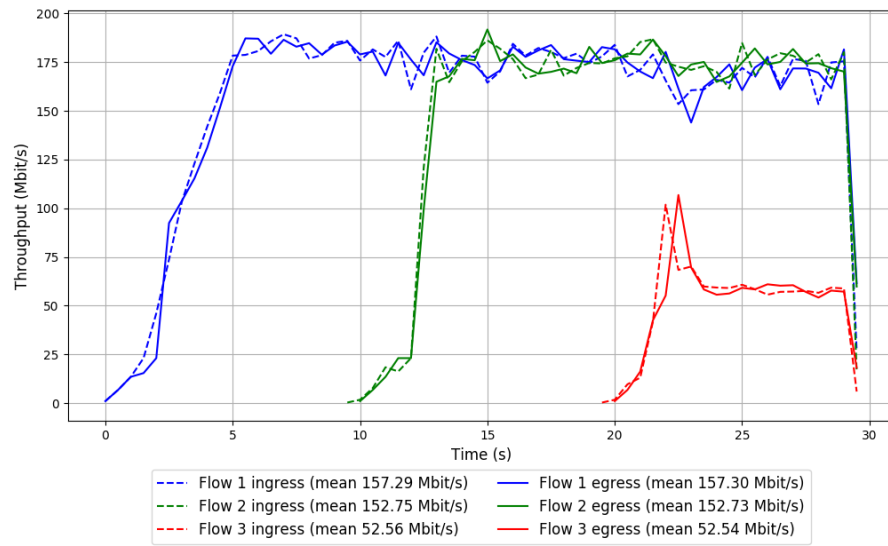


Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 23:54:34
End at: 2017-09-21 23:55:04
Local clock offset: 0.04 ms
Remote clock offset: 11.535 ms

Below is generated by plot.py at 2017-09-22 04:09:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.78 Mbit/s
95th percentile per-packet one-way delay: 103.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.30 Mbit/s
95th percentile per-packet one-way delay: 103.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.73 Mbit/s
95th percentile per-packet one-way delay: 103.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 104.202 ms
Loss rate: 0.05%

Run 4: Report of Indigo-delay — Data Link



Run 5: Statistics of Indigo-delay

Start at: 2017-09-22 00:15:14

End at: 2017-09-22 00:15:44

Local clock offset: 0.149 ms

Remote clock offset: 6.644 ms

Below is generated by plot.py at 2017-09-22 04:09:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 182.08 Mbit/s

95th percentile per-packet one-way delay: 98.320 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.83 Mbit/s

95th percentile per-packet one-way delay: 96.499 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 153.08 Mbit/s

95th percentile per-packet one-way delay: 98.392 ms

Loss rate: 0.00%

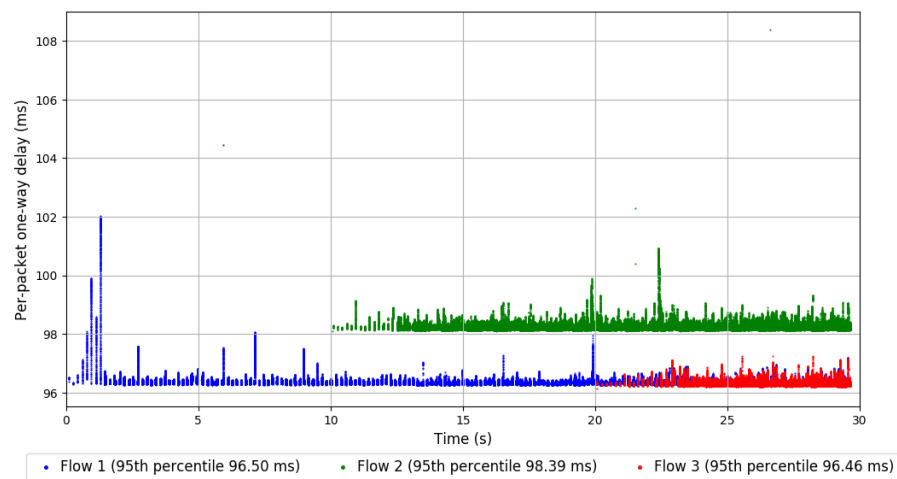
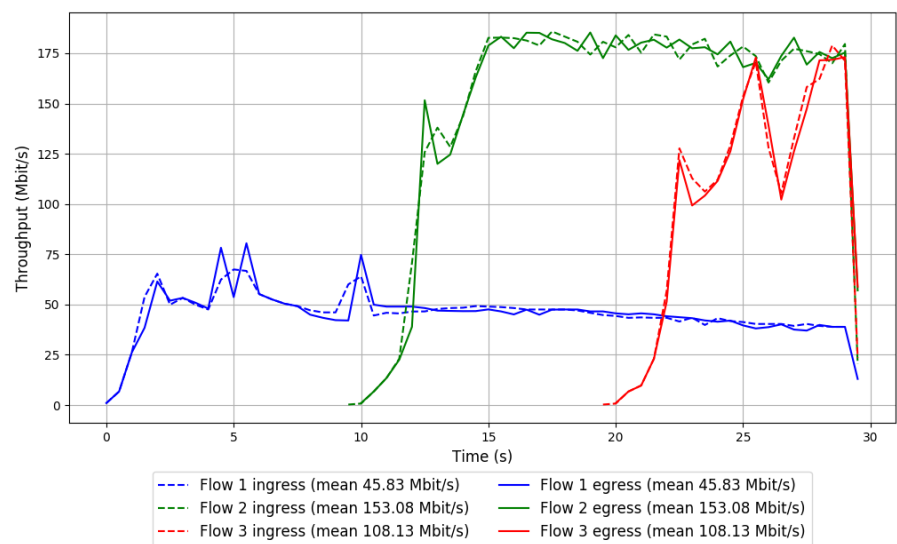
-- Flow 3:

Average throughput: 108.13 Mbit/s

95th percentile per-packet one-way delay: 96.457 ms

Loss rate: 0.00%

Run 5: Report of Indigo-delay — Data Link



Run 6: Statistics of Indigo-delay

Start at: 2017-09-22 00:35:45

End at: 2017-09-22 00:36:15

Local clock offset: 0.107 ms

Remote clock offset: 6.762 ms

Below is generated by plot.py at 2017-09-22 04:09:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 193.31 Mbit/s

95th percentile per-packet one-way delay: 98.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.76 Mbit/s

95th percentile per-packet one-way delay: 98.502 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.48 Mbit/s

95th percentile per-packet one-way delay: 98.409 ms

Loss rate: 0.00%

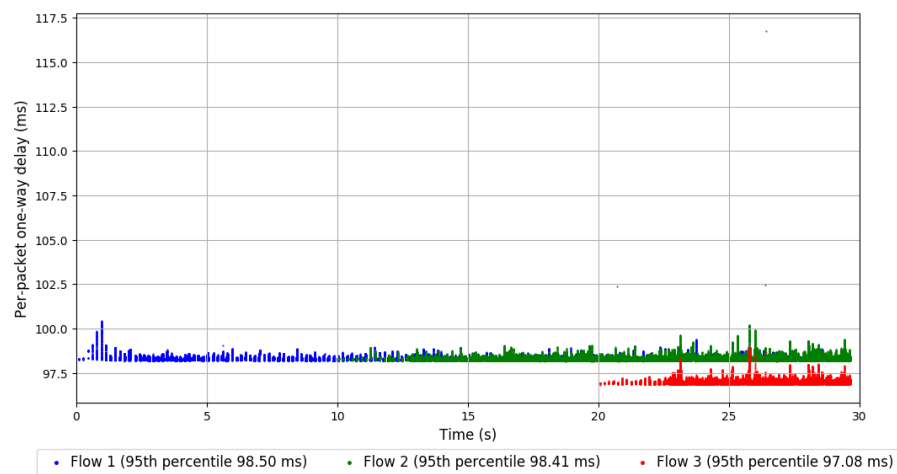
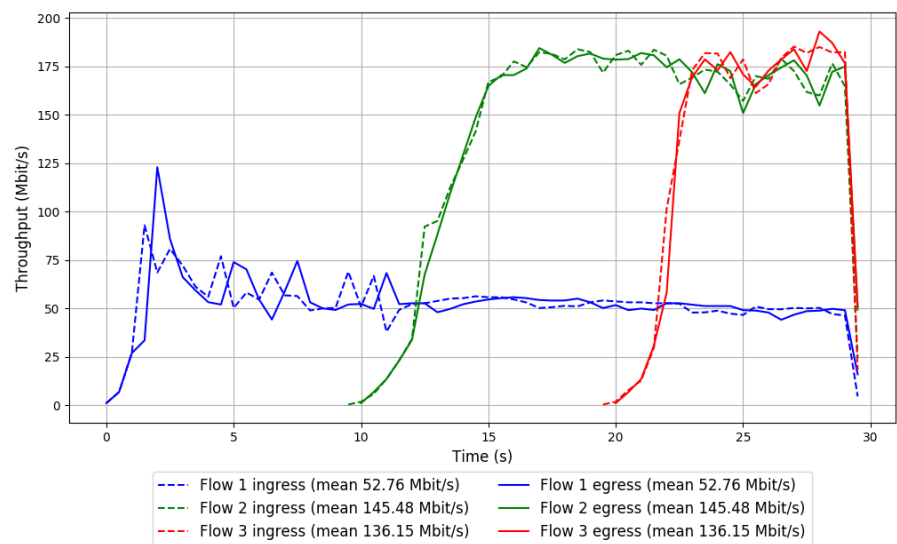
-- Flow 3:

Average throughput: 136.15 Mbit/s

95th percentile per-packet one-way delay: 97.078 ms

Loss rate: 0.00%

Run 6: Report of Indigo-delay — Data Link

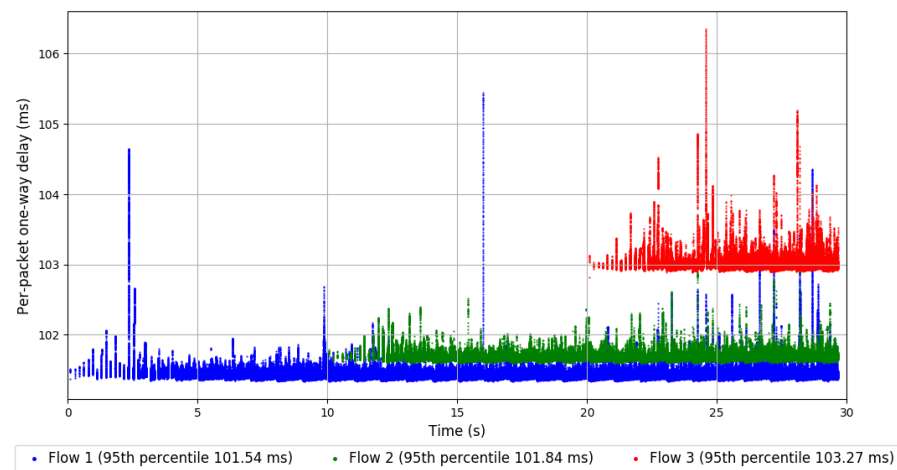
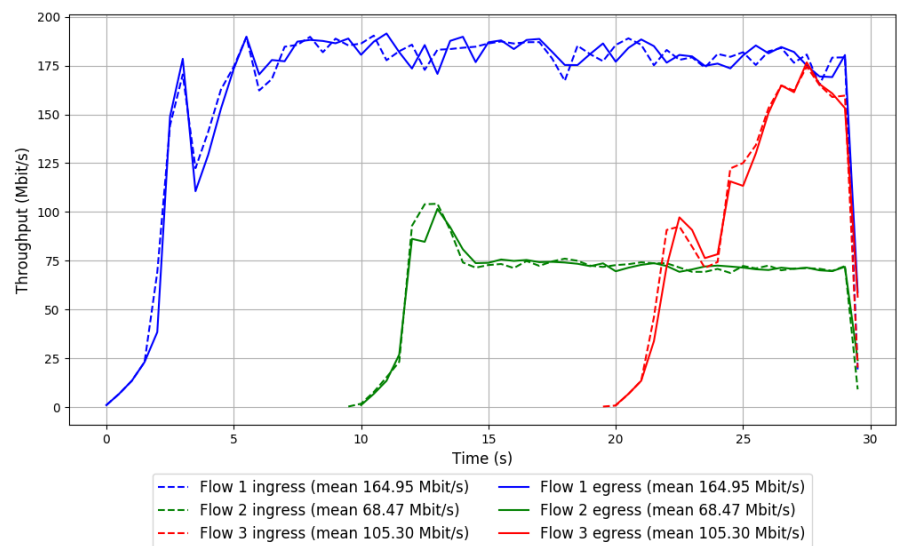


Run 7: Statistics of Indigo-delay

Start at: 2017-09-22 00:56:12
End at: 2017-09-22 00:56:42
Local clock offset: 0.051 ms
Remote clock offset: 11.631 ms

Below is generated by plot.py at 2017-09-22 04:09:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.51 Mbit/s
95th percentile per-packet one-way delay: 103.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.95 Mbit/s
95th percentile per-packet one-way delay: 101.538 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.47 Mbit/s
95th percentile per-packet one-way delay: 101.840 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.30 Mbit/s
95th percentile per-packet one-way delay: 103.272 ms
Loss rate: 0.00%

Run 7: Report of Indigo-delay — Data Link

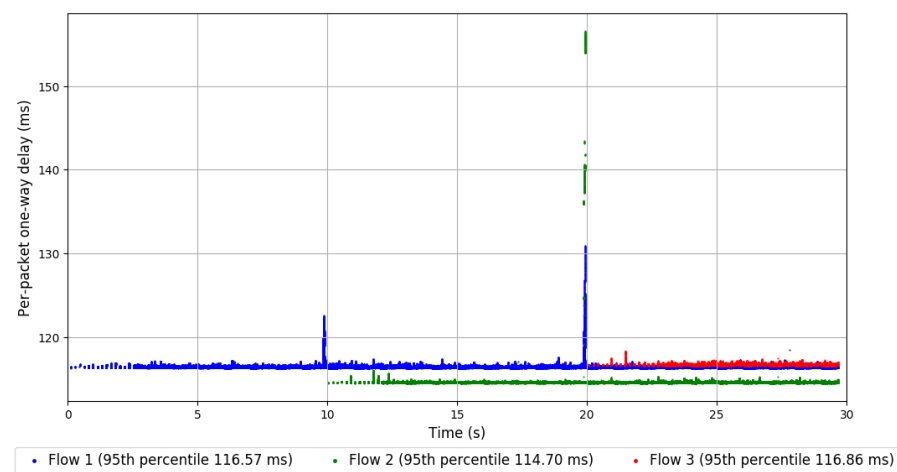
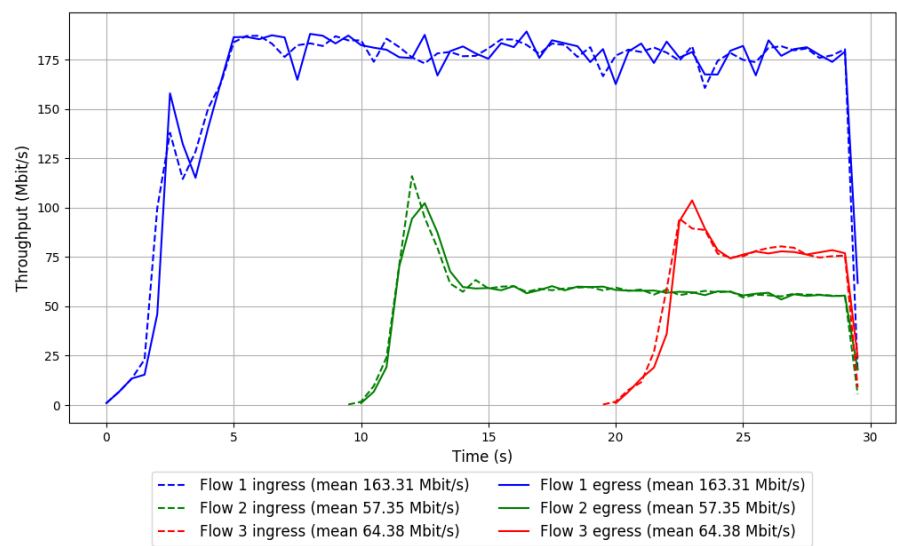


Run 8: Statistics of Indigo-delay

Start at: 2017-09-22 01:16:29
End at: 2017-09-22 01:16:59
Local clock offset: 0.115 ms
Remote clock offset: 25.678 ms

Below is generated by plot.py at 2017-09-22 04:09:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.29 Mbit/s
95th percentile per-packet one-way delay: 116.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.31 Mbit/s
95th percentile per-packet one-way delay: 116.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 114.699 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.38 Mbit/s
95th percentile per-packet one-way delay: 116.859 ms
Loss rate: 0.02%

Run 8: Report of Indigo-delay — Data Link

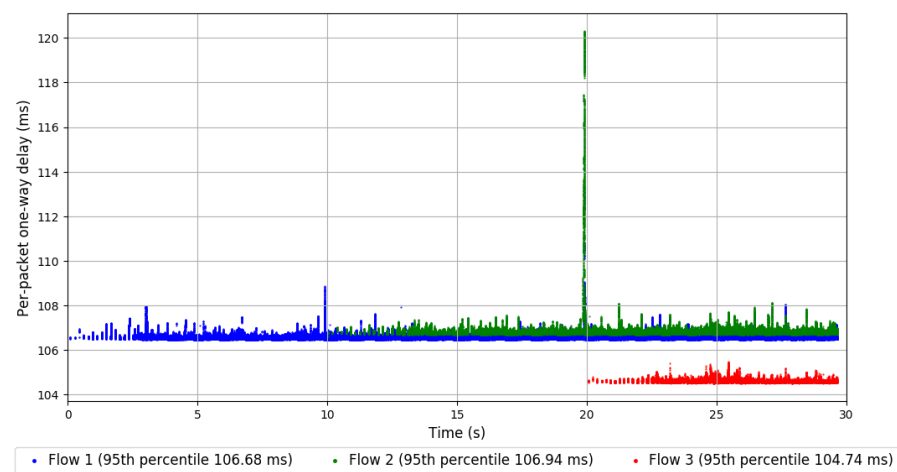
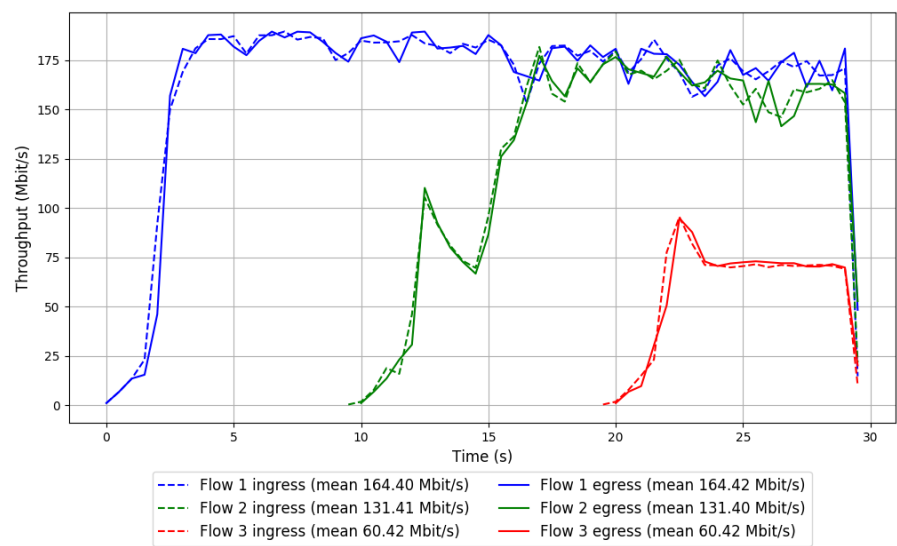


Run 9: Statistics of Indigo-delay

Start at: 2017-09-22 01:36:56
End at: 2017-09-22 01:37:26
Local clock offset: 0.13 ms
Remote clock offset: 15.836 ms

Below is generated by plot.py at 2017-09-22 04:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.26 Mbit/s
95th percentile per-packet one-way delay: 106.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.42 Mbit/s
95th percentile per-packet one-way delay: 106.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 131.40 Mbit/s
95th percentile per-packet one-way delay: 106.941 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 104.736 ms
Loss rate: 0.00%

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-22 01:57:31
End at: 2017-09-22 01:58:01
Local clock offset: 0.052 ms
Remote clock offset: 20.776 ms

Below is generated by plot.py at 2017-09-22 04:10:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.56 Mbit/s
95th percentile per-packet one-way delay: 111.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.66 Mbit/s
95th percentile per-packet one-way delay: 111.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 109.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.21 Mbit/s
95th percentile per-packet one-way delay: 109.887 ms
Loss rate: 0.00%

Run 10: Report of Indigo-delay — Data Link

