

Pantheon Report

Generated at 2018-05-31 05:47:25 (UTC).

Data path: GCE London Ethernet (*remote*) → GCE Tokyo Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

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

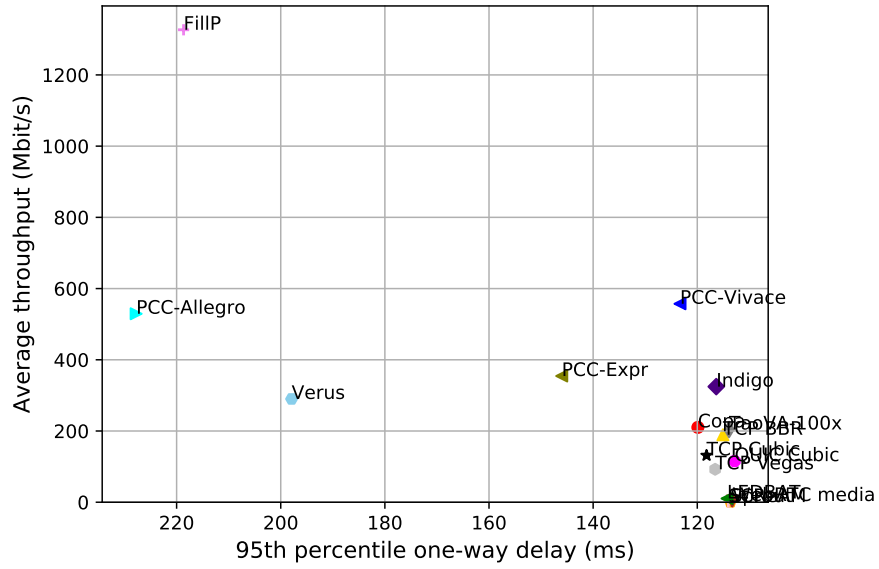
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

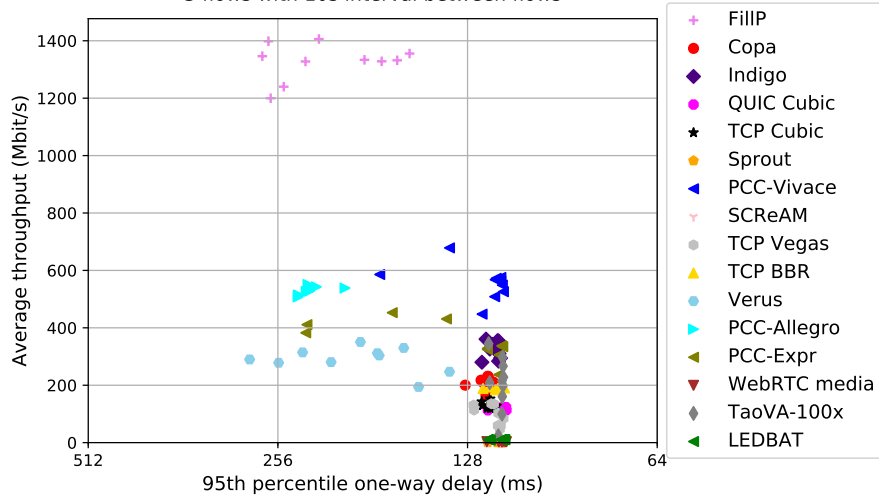
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE London to GCE Tokyo, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE London to GCE Tokyo, 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	97.50	95.68	87.18	114.32	115.34	116.10	0.77	1.22	2.67
Copa	10	119.35	97.00	83.39	118.11	119.32	121.67	0.45	1.09	2.29
TCP Cubic	10	69.61	66.87	53.74	118.37	117.77	118.21	1.16	1.35	3.52
FillP	10	723.02	643.03	542.80	217.42	203.93	175.58	2.42	2.06	3.19
Indigo	10	173.93	156.08	145.26	115.60	116.65	117.82	0.76	1.17	2.71
LEDBAT	10	6.81	4.54	1.87	114.52	113.96	113.43	1.54	2.30	4.45
PCC-Allegro	10	471.91	64.64	44.99	227.79	227.49	223.79	2.60	2.43	4.47
PCC-Expr	10	220.63	168.11	69.03	149.51	138.81	142.88	1.28	1.59	3.15
QUIC Cubic	10	61.93	58.02	45.56	112.59	111.62	111.64	1.04	1.01	1.52
SCReAM	10	0.22	0.21	0.22	113.70	113.22	112.49	0.74	1.23	2.21
Sprout	10	0.20	0.23	0.29	113.47	113.47	112.87	0.52	1.16	1.47
TaoVA-100x	10	82.08	133.00	103.95	114.05	113.54	114.18	0.79	1.14	2.75
TCP Vegas	10	53.01	42.23	35.45	116.39	115.56	116.09	0.78	1.18	2.43
Verus	10	178.71	130.31	78.00	188.99	187.75	222.06	1.35	1.36	5.11
PCC-Vivace	10	333.07	264.46	151.27	122.28	132.00	118.12	0.84	1.50	3.66
WebRTC media	10	1.88	1.15	0.41	112.56	112.55	112.91	1.04	1.51	2.25

Run 1: Statistics of TCP BBR

Start at: 2018-05-30 23:48:31

End at: 2018-05-30 23:49:01

Local clock offset: -0.014 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-05-31 03:59:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 187.52 Mbit/s

95th percentile per-packet one-way delay: 114.545 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 114.225 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 93.15 Mbit/s

95th percentile per-packet one-way delay: 115.005 ms

Loss rate: 1.15%

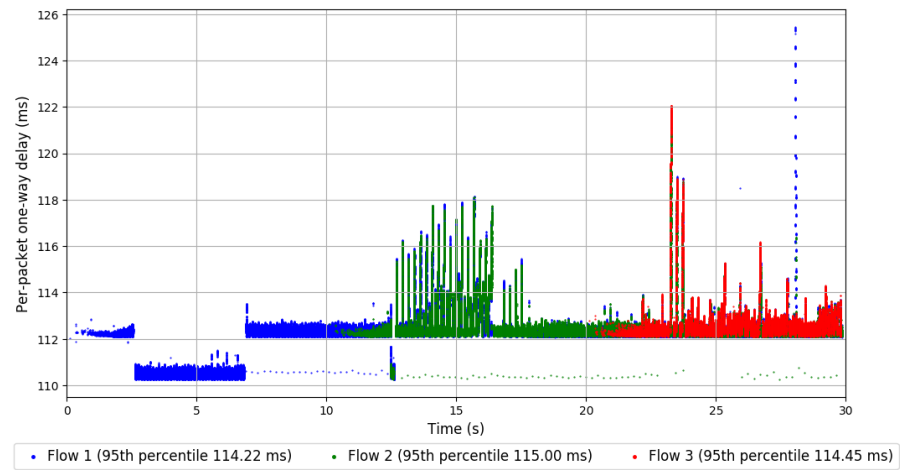
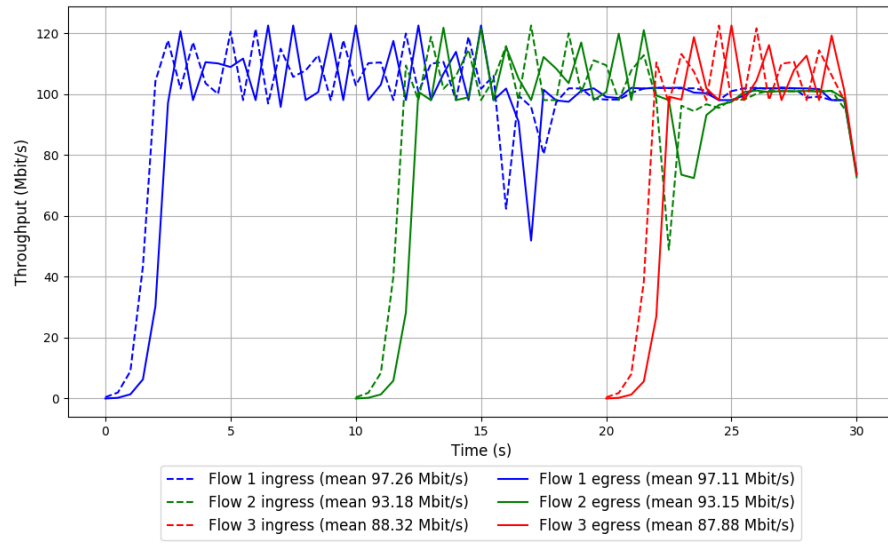
-- Flow 3:

Average throughput: 87.88 Mbit/s

95th percentile per-packet one-way delay: 114.454 ms

Loss rate: 2.80%

Run 1: Report of TCP BBR — Data Link

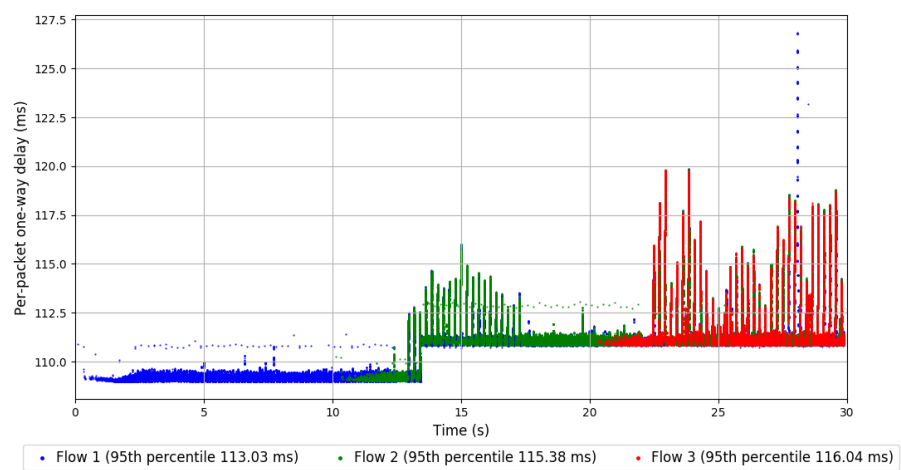
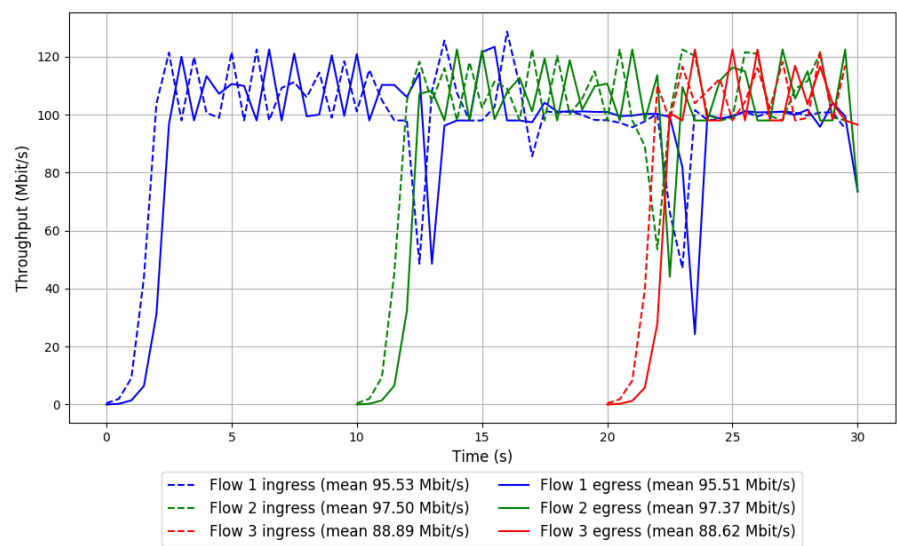


Run 2: Statistics of TCP BBR

Start at: 2018-05-31 00:12:30
End at: 2018-05-31 00:13:00
Local clock offset: -0.15 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-05-31 03:59:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.90 Mbit/s
95th percentile per-packet one-way delay: 114.566 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 113.025 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 115.379 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 88.62 Mbit/s
95th percentile per-packet one-way delay: 116.036 ms
Loss rate: 2.54%

Run 2: Report of TCP BBR — Data Link

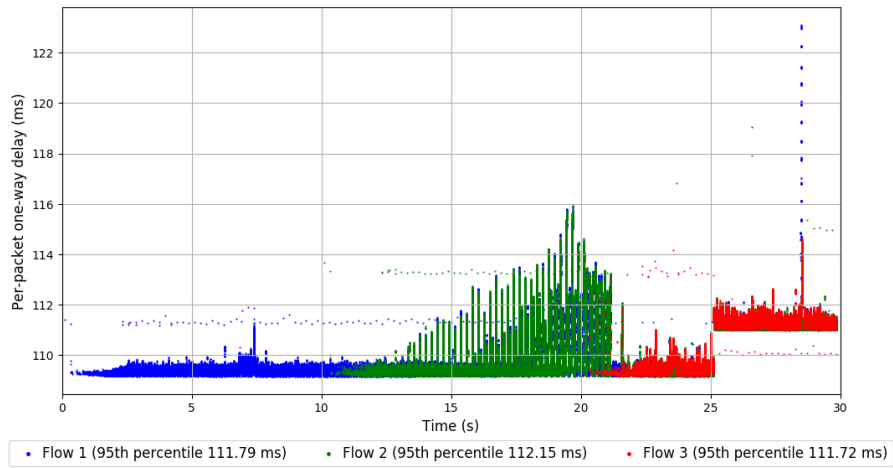
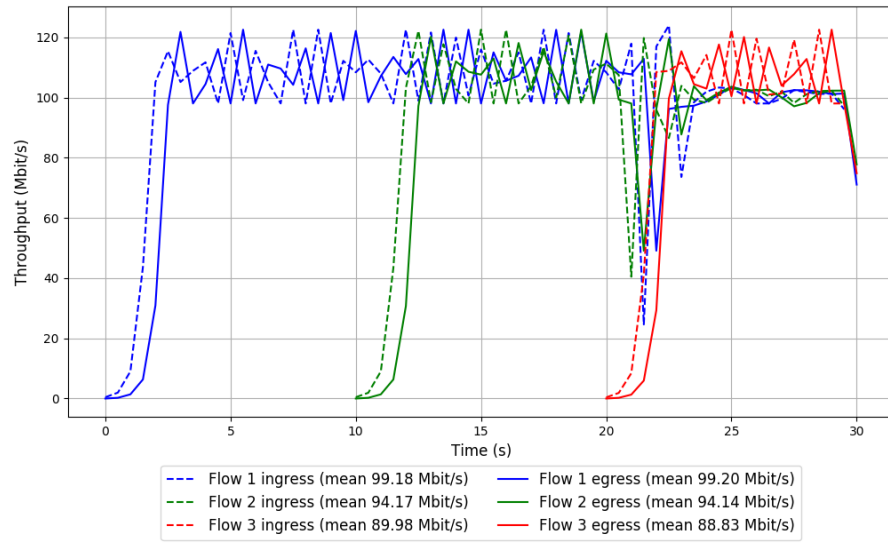


Run 3: Statistics of TCP BBR

Start at: 2018-05-31 00:36:29
End at: 2018-05-31 00:36:59
Local clock offset: -0.062 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-05-31 03:59:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.74 Mbit/s
95th percentile per-packet one-way delay: 111.853 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 99.20 Mbit/s
95th percentile per-packet one-way delay: 111.788 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 112.149 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 88.83 Mbit/s
95th percentile per-packet one-way delay: 111.717 ms
Loss rate: 2.68%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-31 01:00:37

End at: 2018-05-31 01:01:07

Local clock offset: -0.315 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-31 03:59:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.28 Mbit/s

95th percentile per-packet one-way delay: 114.328 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 98.82 Mbit/s

95th percentile per-packet one-way delay: 113.996 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 114.501 ms

Loss rate: 1.33%

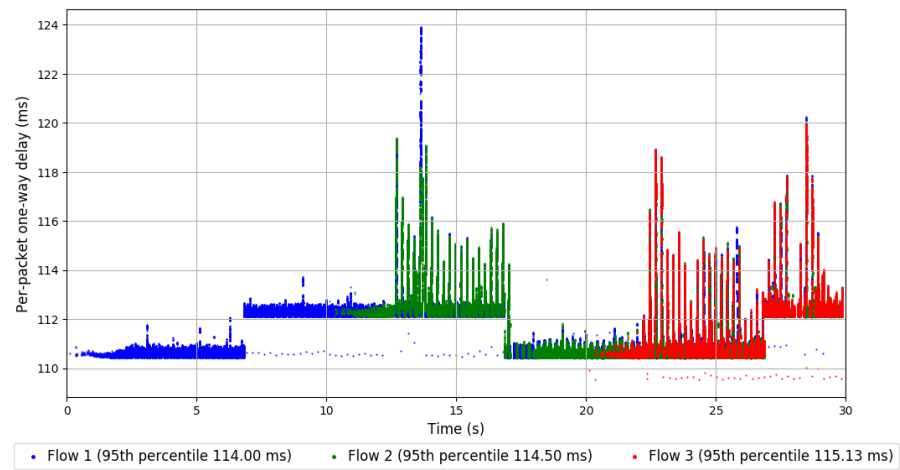
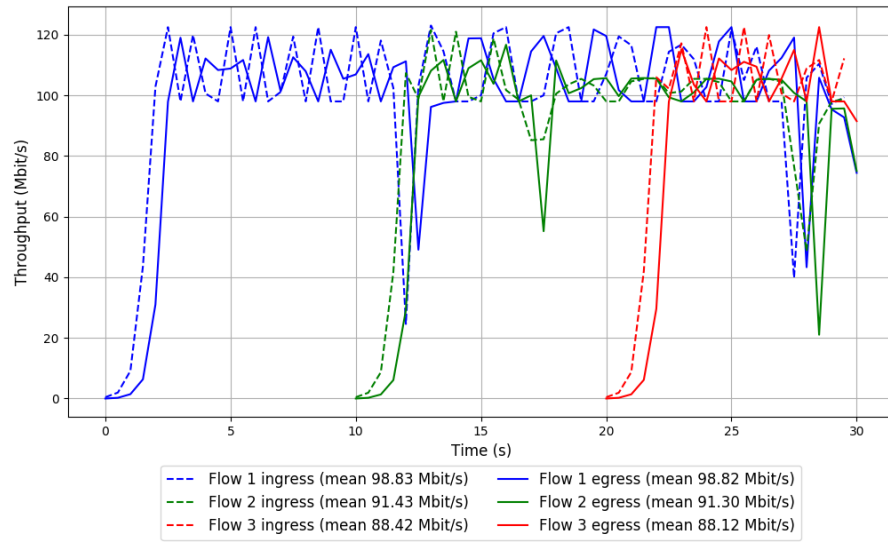
-- Flow 3:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 115.131 ms

Loss rate: 2.56%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-31 01:24:46

End at: 2018-05-31 01:25:16

Local clock offset: -0.123 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-31 03:59:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.54 Mbit/s

95th percentile per-packet one-way delay: 114.499 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 97.96 Mbit/s

95th percentile per-packet one-way delay: 114.507 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 113.640 ms

Loss rate: 1.24%

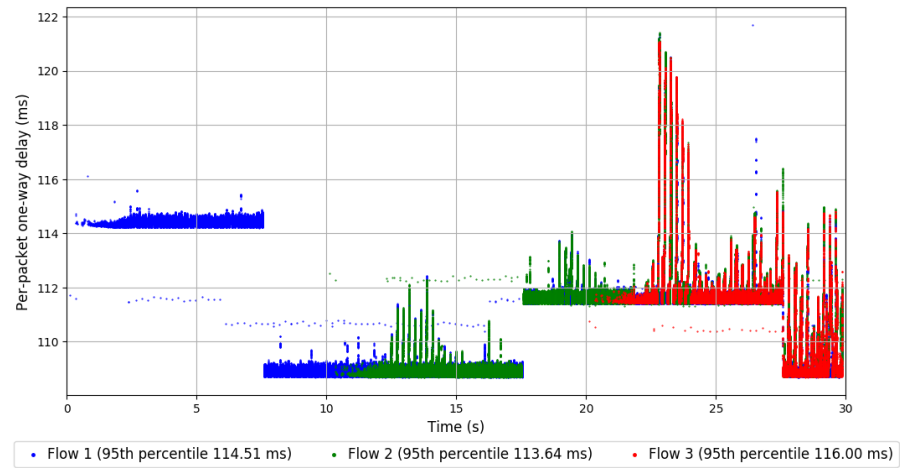
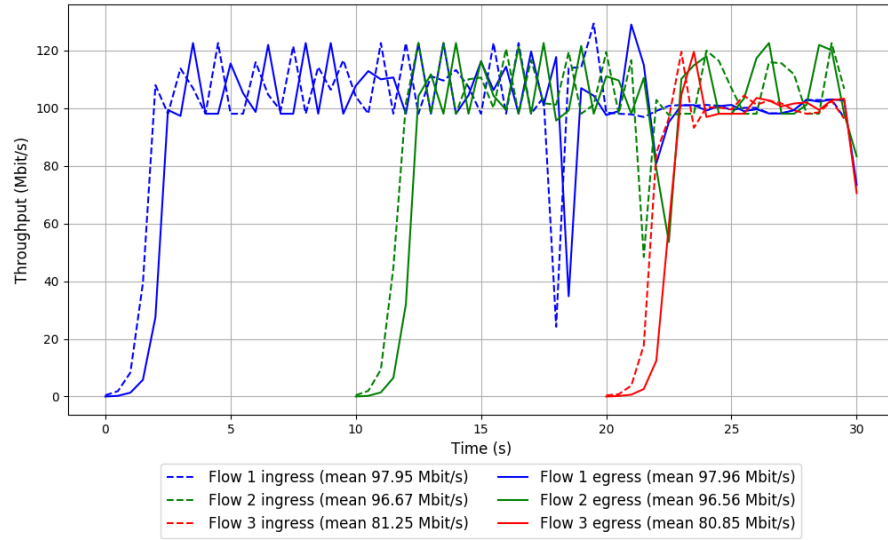
-- Flow 3:

Average throughput: 80.85 Mbit/s

95th percentile per-packet one-way delay: 115.999 ms

Loss rate: 2.72%

Run 5: Report of TCP BBR — Data Link

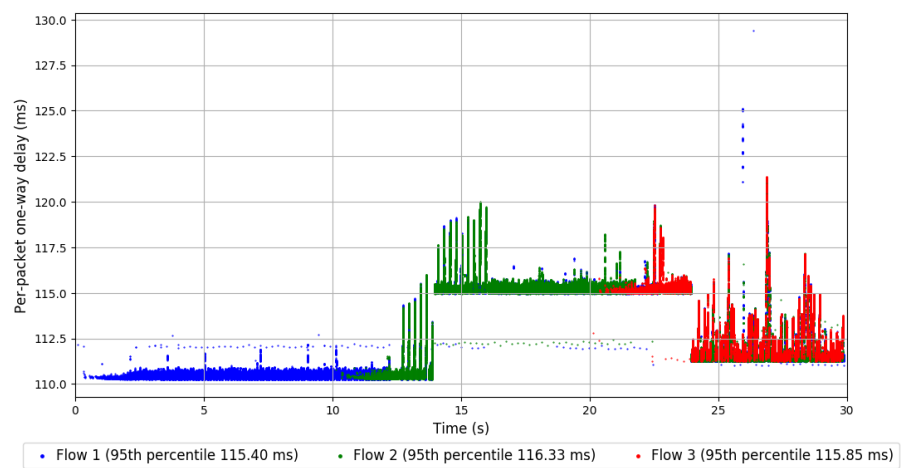
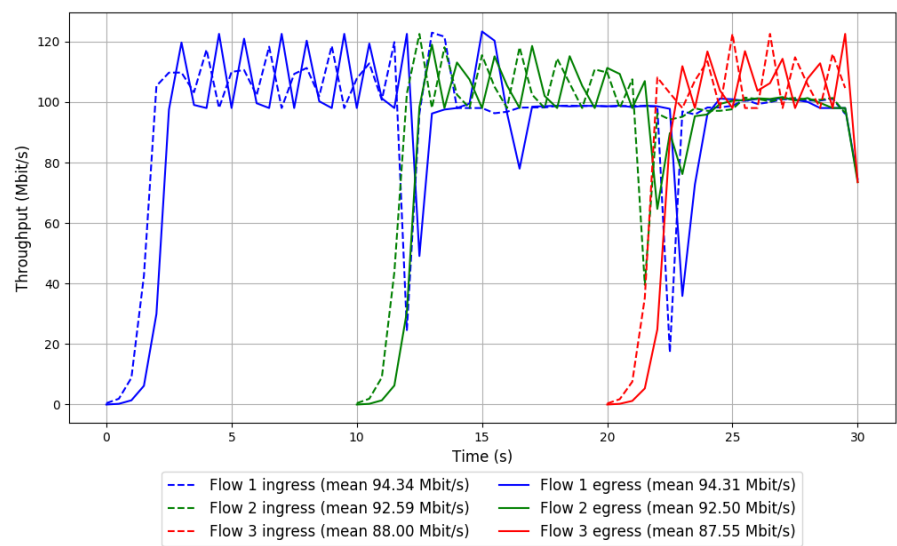


Run 6: Statistics of TCP BBR

Start at: 2018-05-31 01:48:30
End at: 2018-05-31 01:49:00
Local clock offset: 0.199 ms
Remote clock offset: -0.482 ms

Below is generated by plot.py at 2018-05-31 03:59:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.26 Mbit/s
95th percentile per-packet one-way delay: 115.629 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 115.397 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 116.328 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 115.852 ms
Loss rate: 2.80%

Run 6: Report of TCP BBR — Data Link

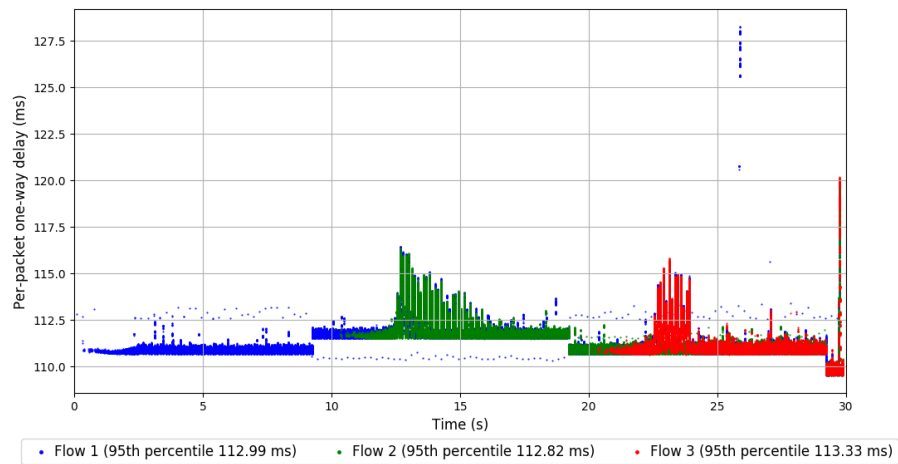
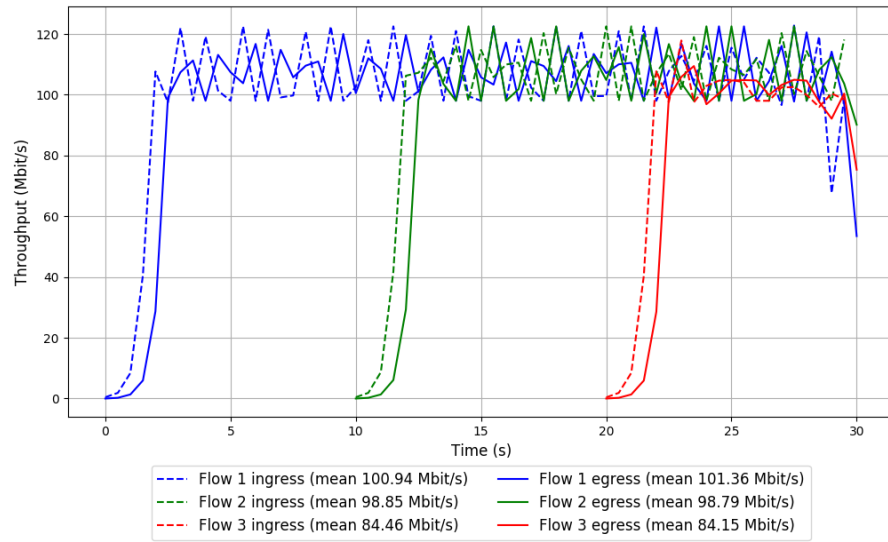


Run 7: Statistics of TCP BBR

Start at: 2018-05-31 02:12:45
End at: 2018-05-31 02:13:15
Local clock offset: -0.126 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-31 03:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.08 Mbit/s
95th percentile per-packet one-way delay: 113.012 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 101.36 Mbit/s
95th percentile per-packet one-way delay: 112.994 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 98.79 Mbit/s
95th percentile per-packet one-way delay: 112.824 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 113.329 ms
Loss rate: 2.61%

Run 7: Report of TCP BBR — Data Link

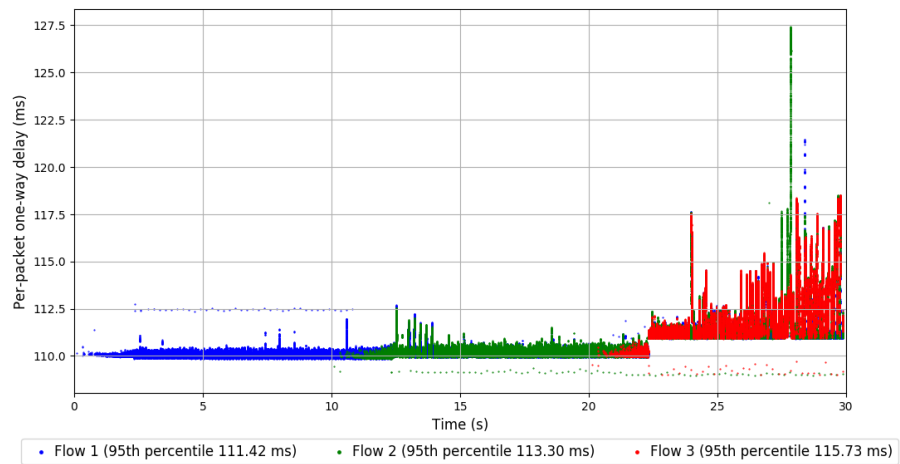
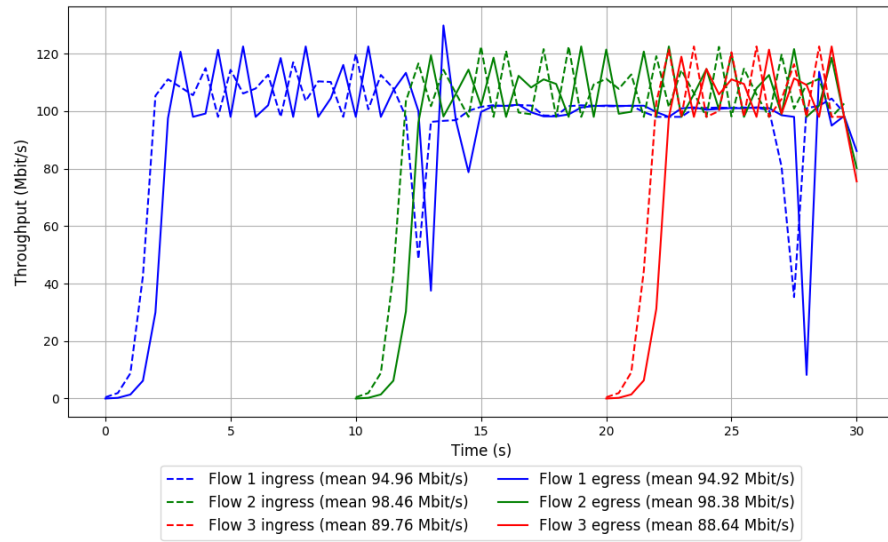


Run 8: Statistics of TCP BBR

Start at: 2018-05-31 02:37:02
End at: 2018-05-31 02:37:32
Local clock offset: -0.255 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-05-31 03:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 189.27 Mbit/s
95th percentile per-packet one-way delay: 113.518 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 111.420 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 98.38 Mbit/s
95th percentile per-packet one-way delay: 113.304 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 115.733 ms
Loss rate: 2.65%

Run 8: Report of TCP BBR — Data Link

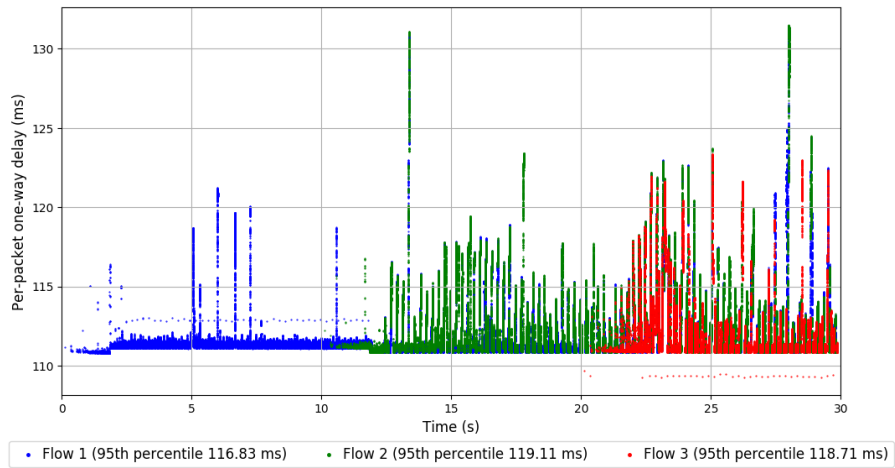
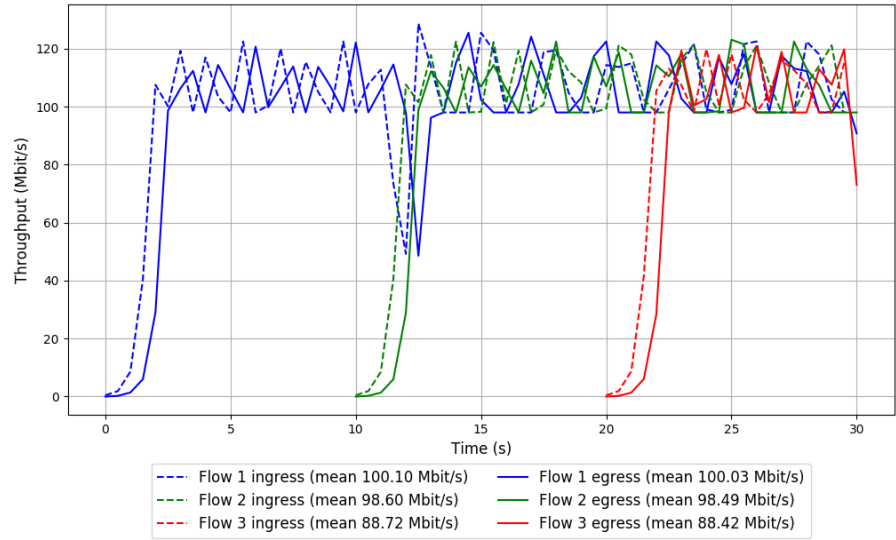


Run 9: Statistics of TCP BBR

Start at: 2018-05-31 03:01:12
End at: 2018-05-31 03:01:42
Local clock offset: -0.05 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-05-31 04:01:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.99 Mbit/s
95th percentile per-packet one-way delay: 117.807 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 100.03 Mbit/s
95th percentile per-packet one-way delay: 116.828 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 98.49 Mbit/s
95th percentile per-packet one-way delay: 119.113 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 118.710 ms
Loss rate: 2.54%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-31 03:25:51

End at: 2018-05-31 03:26:21

Local clock offset: 6.629 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-05-31 04:01:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.59 Mbit/s

95th percentile per-packet one-way delay: 120.959 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 119.065 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 121.148 ms

Loss rate: 1.17%

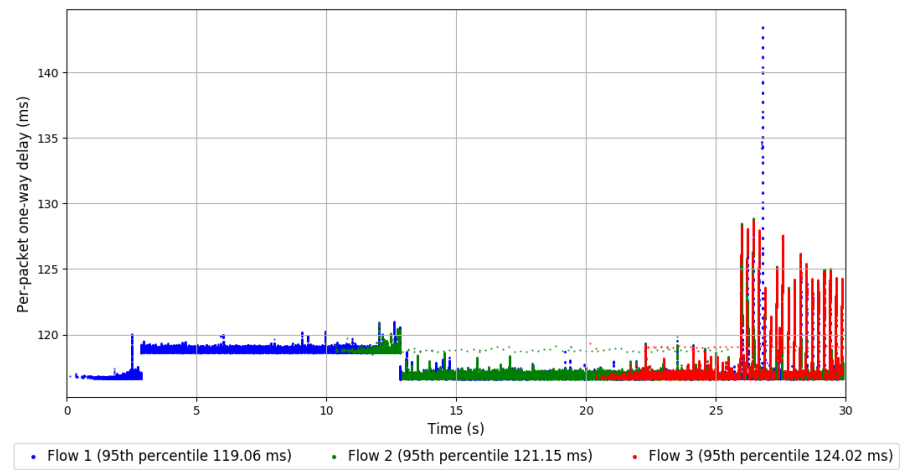
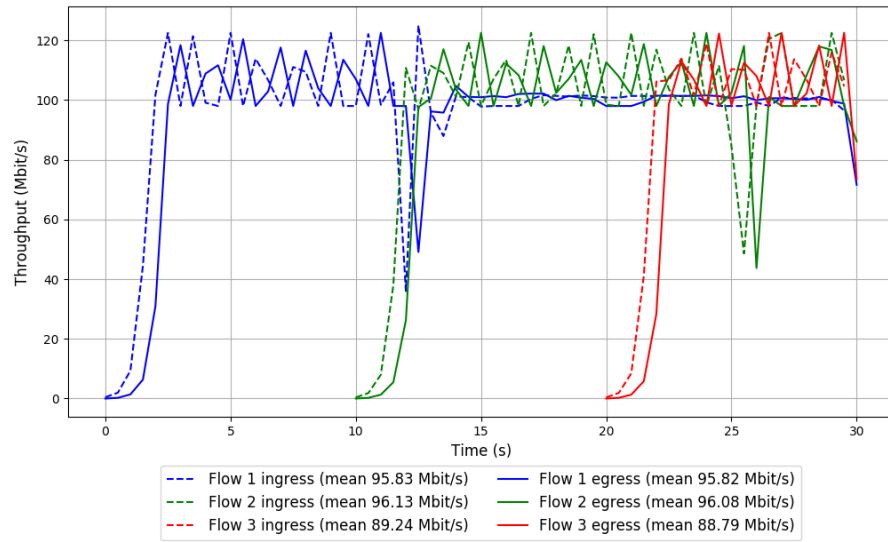
-- Flow 3:

Average throughput: 88.79 Mbit/s

95th percentile per-packet one-way delay: 124.015 ms

Loss rate: 2.76%

Run 10: Report of TCP BBR — Data Link

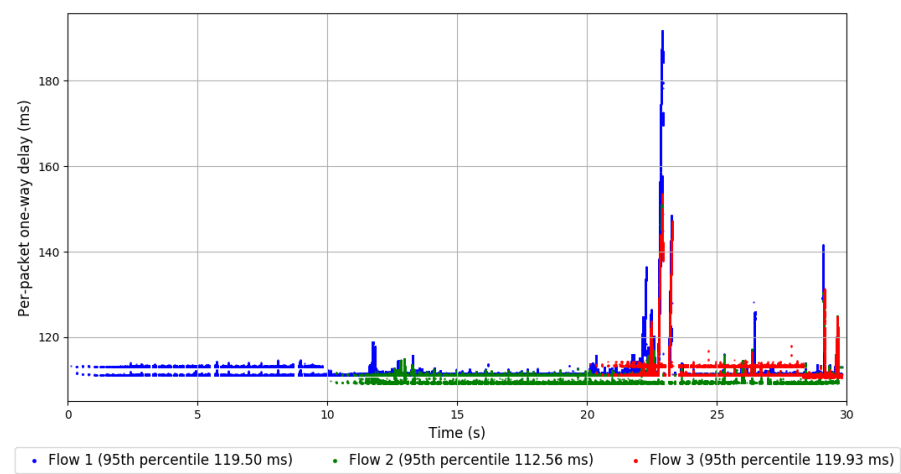
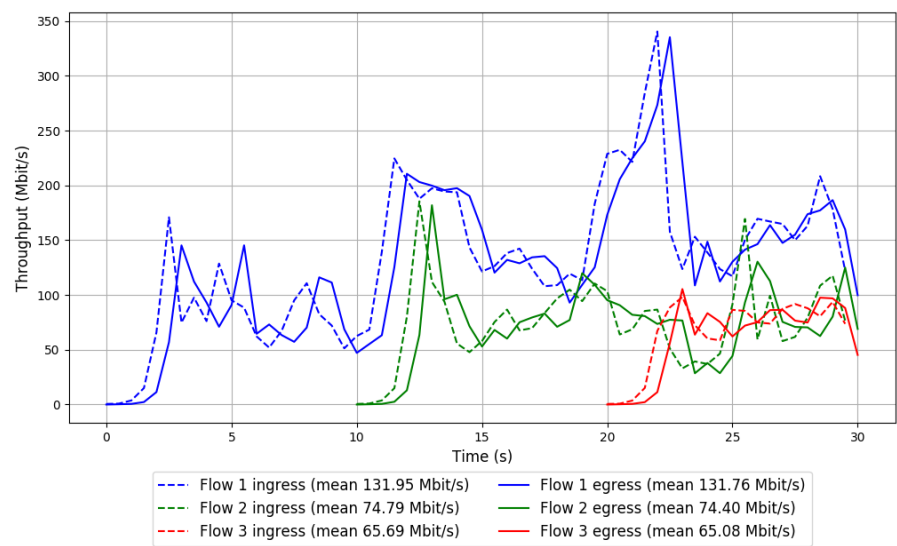


Run 1: Statistics of Copa

Start at: 2018-05-30 23:43:24
End at: 2018-05-30 23:43:54
Local clock offset: 0.356 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-05-31 04:04:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.28 Mbit/s
95th percentile per-packet one-way delay: 117.100 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 131.76 Mbit/s
95th percentile per-packet one-way delay: 119.499 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 74.40 Mbit/s
95th percentile per-packet one-way delay: 112.562 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 65.08 Mbit/s
95th percentile per-packet one-way delay: 119.932 ms
Loss rate: 3.18%

Run 1: Report of Copa — Data Link

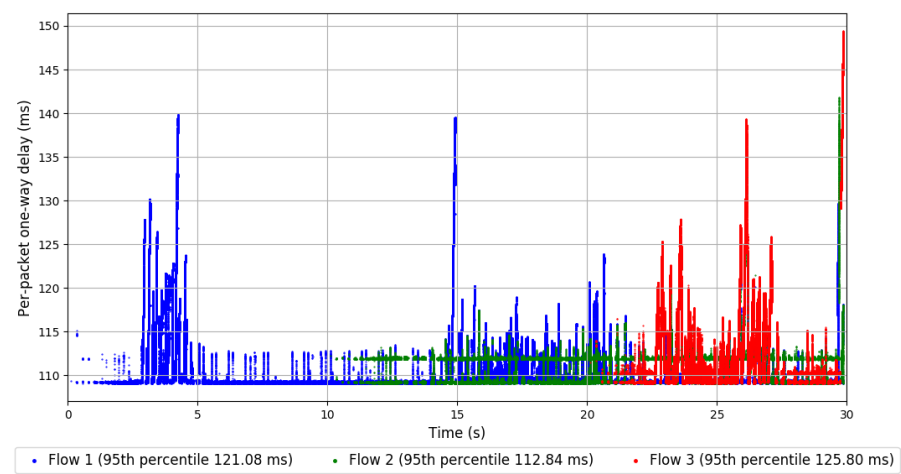
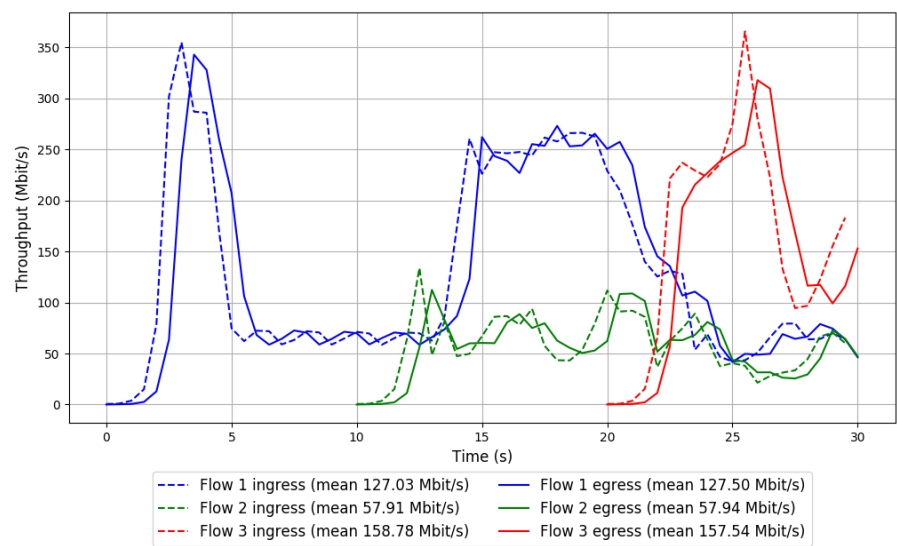


Run 2: Statistics of Copa

Start at: 2018-05-31 00:07:23
End at: 2018-05-31 00:07:53
Local clock offset: -0.03 ms
Remote clock offset: -0.472 ms

Below is generated by plot.py at 2018-05-31 04:05:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.48 Mbit/s
95th percentile per-packet one-way delay: 121.833 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 127.50 Mbit/s
95th percentile per-packet one-way delay: 121.077 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 112.836 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 157.54 Mbit/s
95th percentile per-packet one-way delay: 125.798 ms
Loss rate: 2.99%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-31 00:31:19

End at: 2018-05-31 00:31:49

Local clock offset: 0.113 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-05-31 04:05:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.63 Mbit/s

95th percentile per-packet one-way delay: 118.726 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 136.20 Mbit/s

95th percentile per-packet one-way delay: 115.973 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 118.64 Mbit/s

95th percentile per-packet one-way delay: 119.923 ms

Loss rate: 2.46%

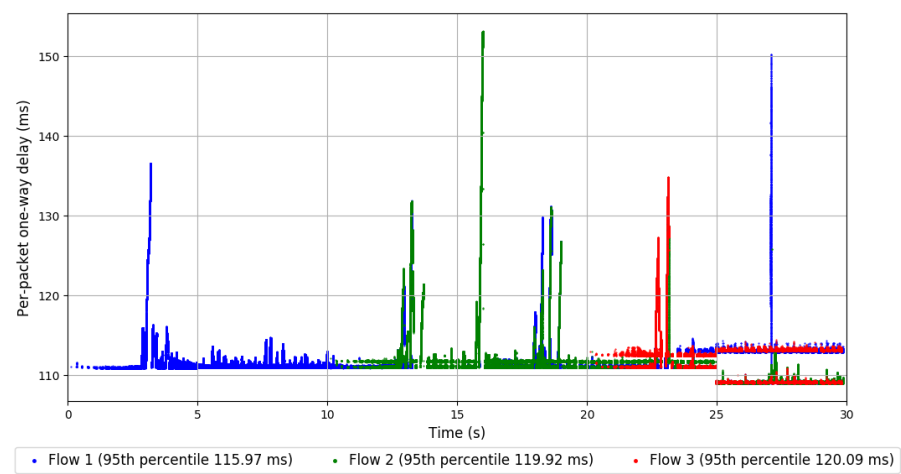
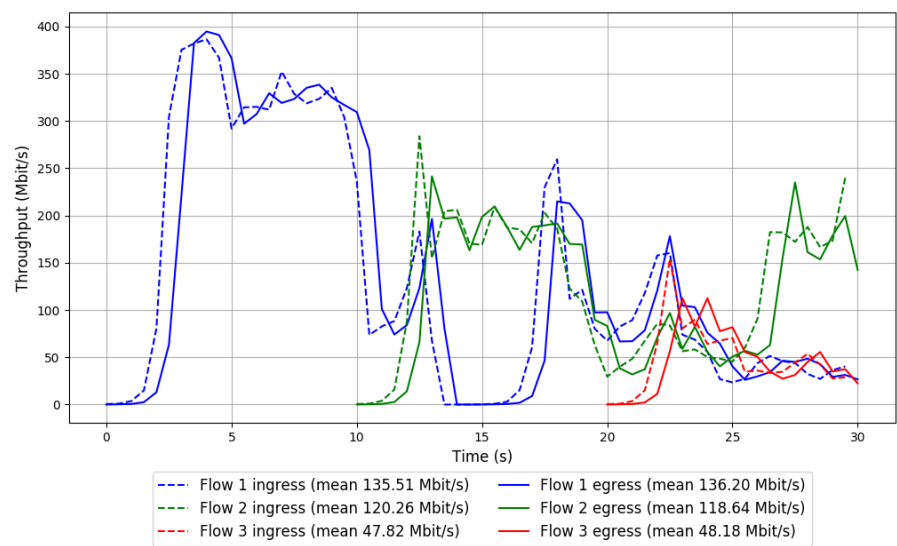
-- Flow 3:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: 120.094 ms

Loss rate: 1.53%

Run 3: Report of Copa — Data Link

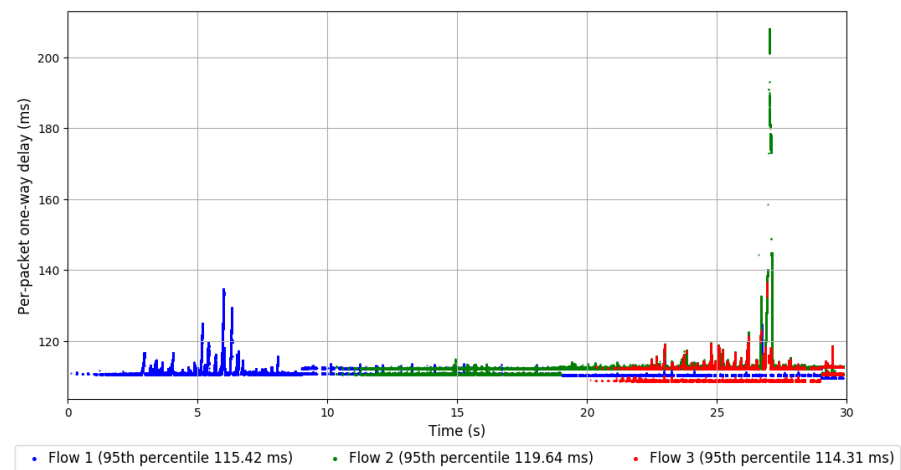
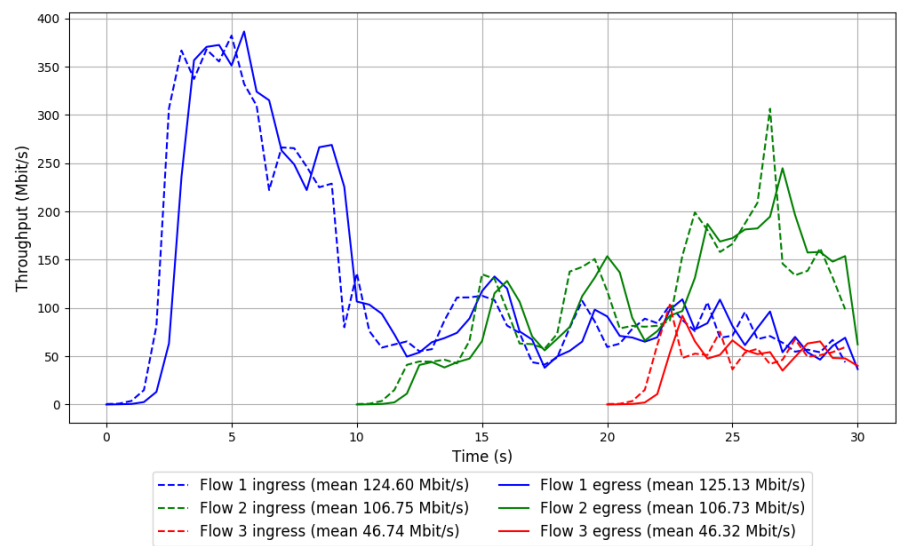


Run 4: Statistics of Copa

Start at: 2018-05-31 00:55:35
End at: 2018-05-31 00:56:05
Local clock offset: -0.173 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-31 04:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.03 Mbit/s
95th percentile per-packet one-way delay: 116.498 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 125.13 Mbit/s
95th percentile per-packet one-way delay: 115.422 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 106.73 Mbit/s
95th percentile per-packet one-way delay: 119.643 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 46.32 Mbit/s
95th percentile per-packet one-way delay: 114.313 ms
Loss rate: 3.10%

Run 4: Report of Copa — Data Link

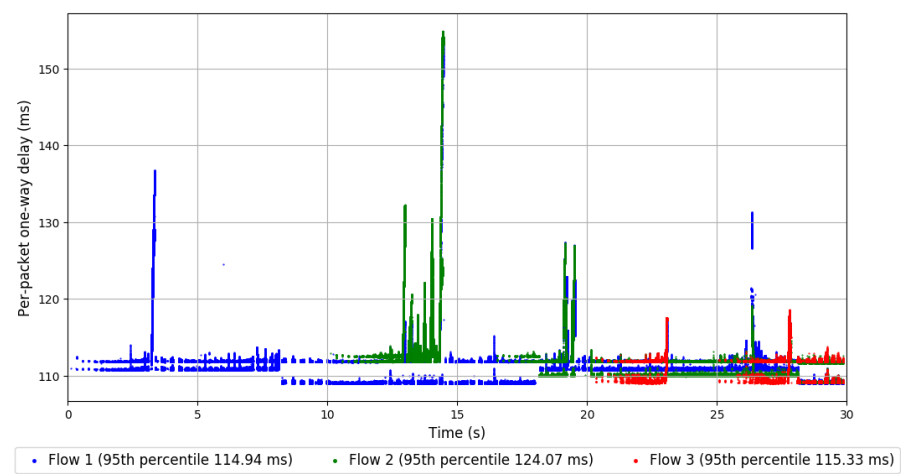
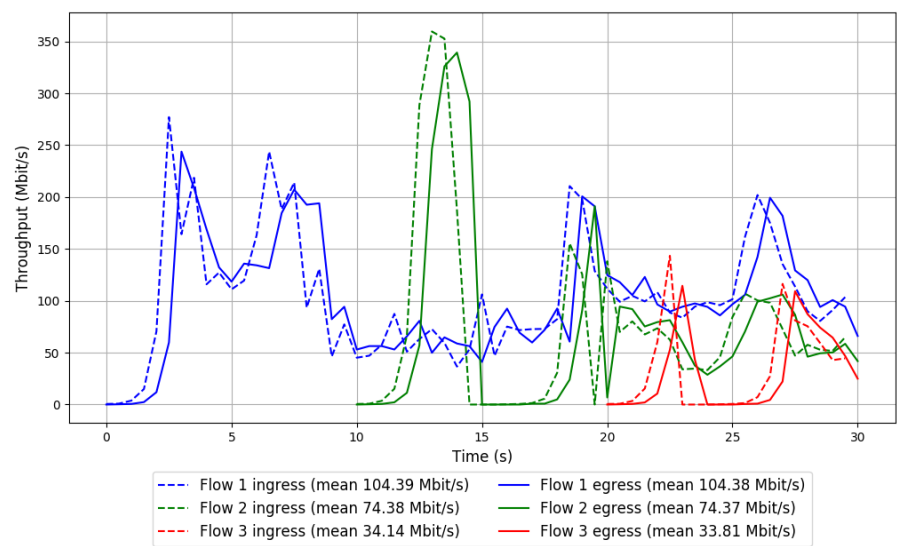


Run 5: Statistics of Copa

Start at: 2018-05-31 01:19:46
End at: 2018-05-31 01:20:16
Local clock offset: -0.097 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-05-31 04:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.80 Mbit/s
95th percentile per-packet one-way delay: 119.676 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 104.38 Mbit/s
95th percentile per-packet one-way delay: 114.940 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 124.074 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 115.328 ms
Loss rate: 3.15%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-31 01:43:17

End at: 2018-05-31 01:43:47

Local clock offset: -0.005 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-05-31 04:05:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.00 Mbit/s

95th percentile per-packet one-way delay: 118.758 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 128.26 Mbit/s

95th percentile per-packet one-way delay: 123.252 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 120.58 Mbit/s

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

Loss rate: 0.17%

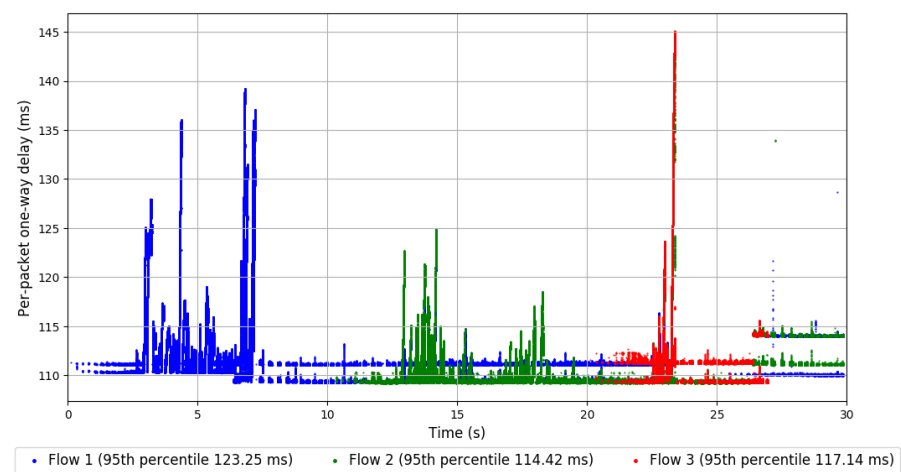
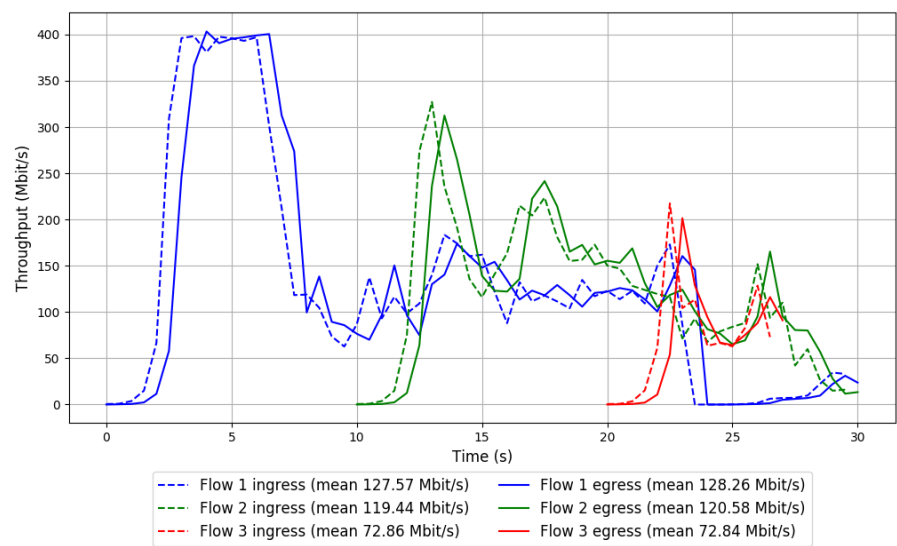
-- Flow 3:

Average throughput: 72.84 Mbit/s

95th percentile per-packet one-way delay: 117.144 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

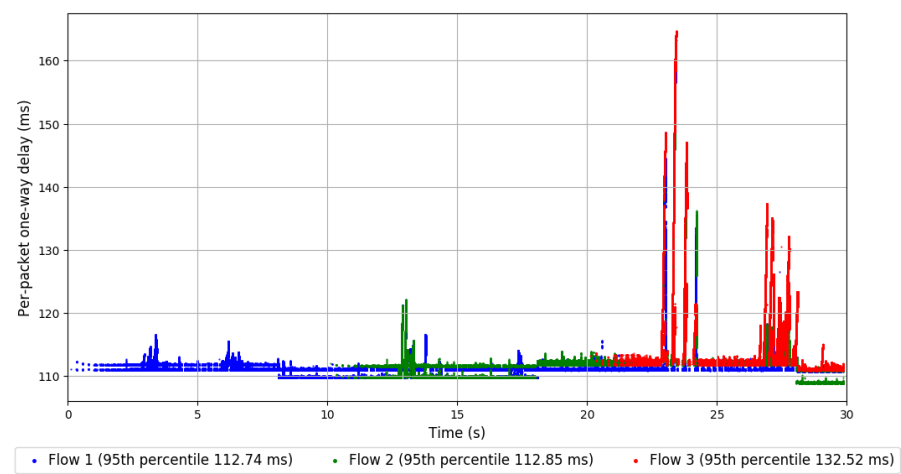
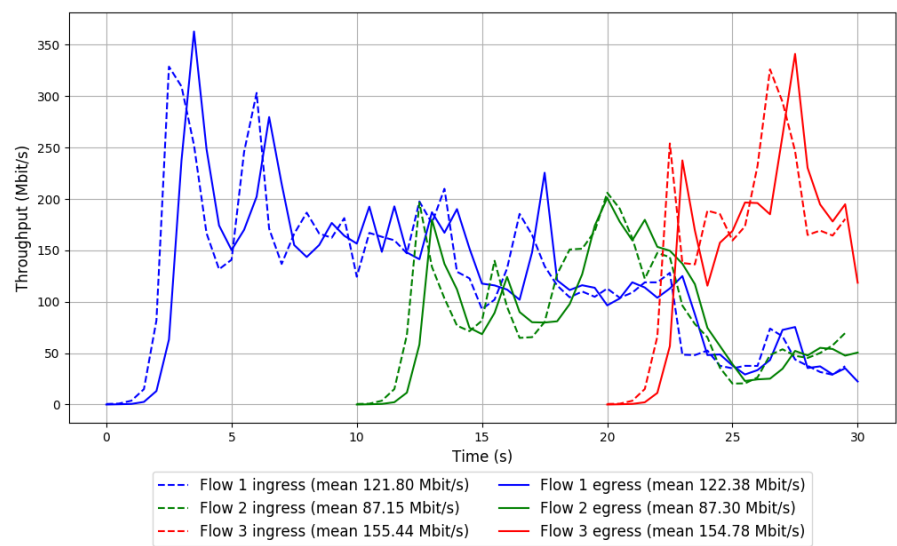


Run 7: Statistics of Copa

Start at: 2018-05-31 02:07:36
End at: 2018-05-31 02:08:06
Local clock offset: 0.113 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-31 04:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.99 Mbit/s
95th percentile per-packet one-way delay: 118.913 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 122.38 Mbit/s
95th percentile per-packet one-way delay: 112.736 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 112.850 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 154.78 Mbit/s
95th percentile per-packet one-way delay: 132.522 ms
Loss rate: 2.66%

Run 7: Report of Copa — Data Link

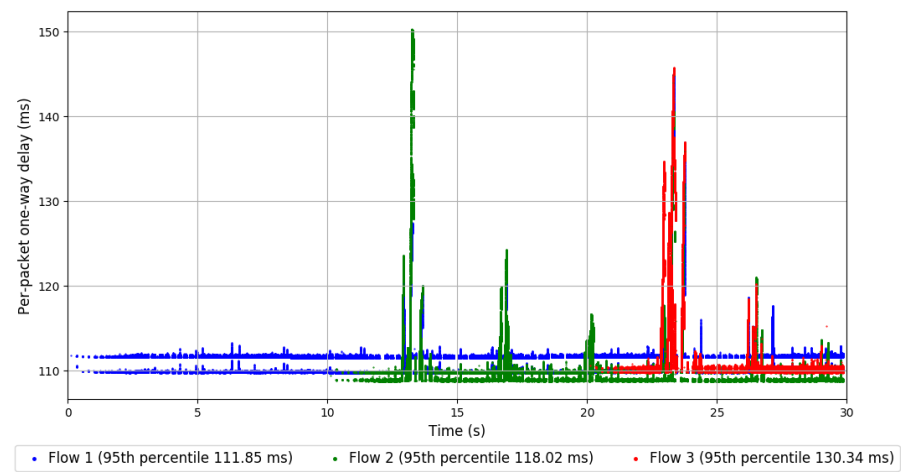
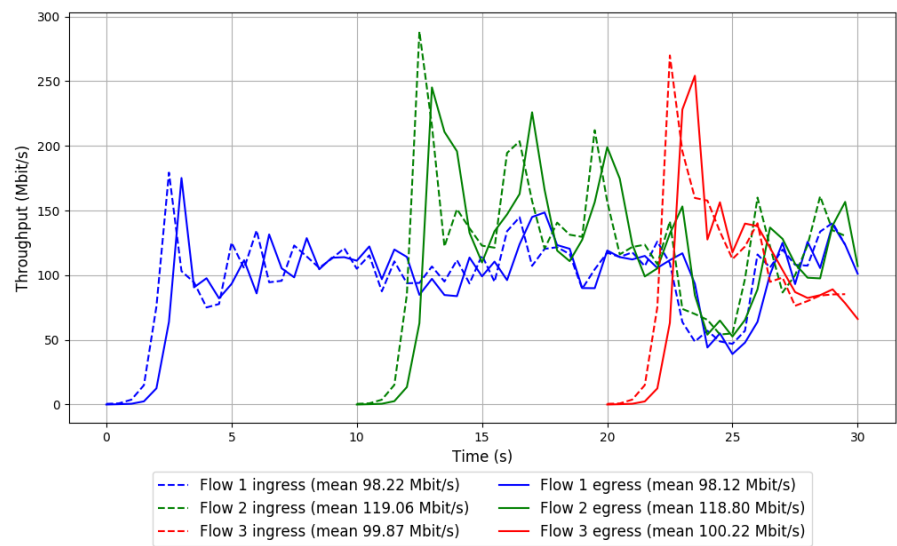


Run 8: Statistics of Copa

Start at: 2018-05-31 02:31:54
End at: 2018-05-31 02:32:24
Local clock offset: -0.051 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-31 04:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.80 Mbit/s
95th percentile per-packet one-way delay: 117.358 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 98.12 Mbit/s
95th percentile per-packet one-way delay: 111.846 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 118.80 Mbit/s
95th percentile per-packet one-way delay: 118.023 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 100.22 Mbit/s
95th percentile per-packet one-way delay: 130.343 ms
Loss rate: 1.90%

Run 8: Report of Copa — Data Link

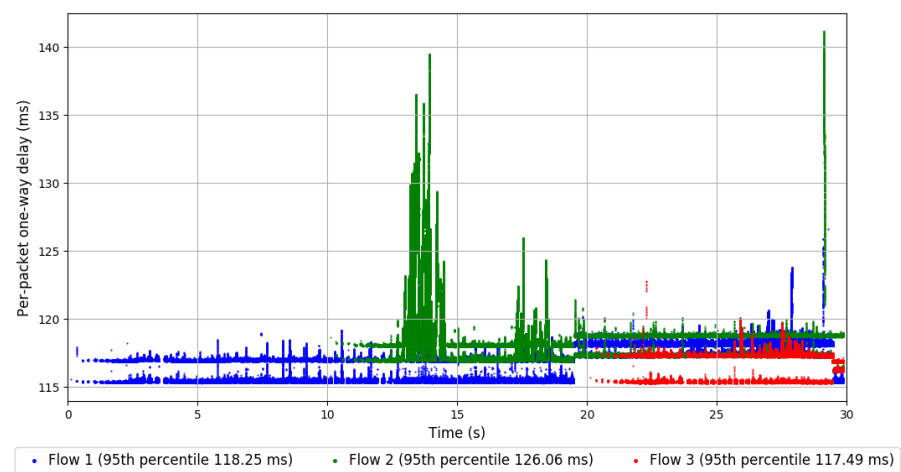
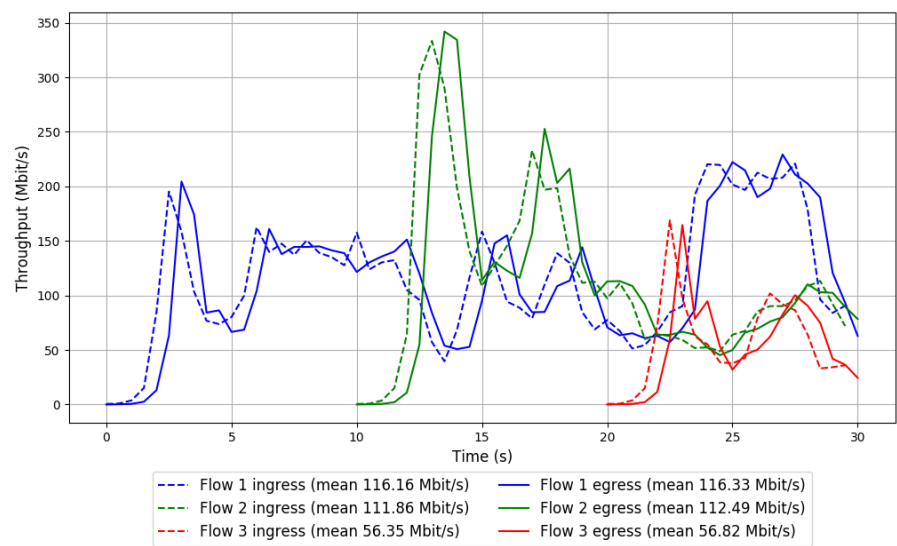


Run 9: Statistics of Copa

Start at: 2018-05-31 02:56:04
End at: 2018-05-31 02:56:34
Local clock offset: 6.426 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-31 04:10:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.55 Mbit/s
95th percentile per-packet one-way delay: 120.906 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 116.33 Mbit/s
95th percentile per-packet one-way delay: 118.246 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 112.49 Mbit/s
95th percentile per-packet one-way delay: 126.055 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 117.491 ms
Loss rate: 1.39%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-31 03:20:41

End at: 2018-05-31 03:21:11

Local clock offset: 6.632 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-05-31 04:11:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 200.21 Mbit/s

95th percentile per-packet one-way delay: 129.067 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 103.44 Mbit/s

95th percentile per-packet one-way delay: 128.067 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 98.73 Mbit/s

95th percentile per-packet one-way delay: 132.840 ms

Loss rate: 0.63%

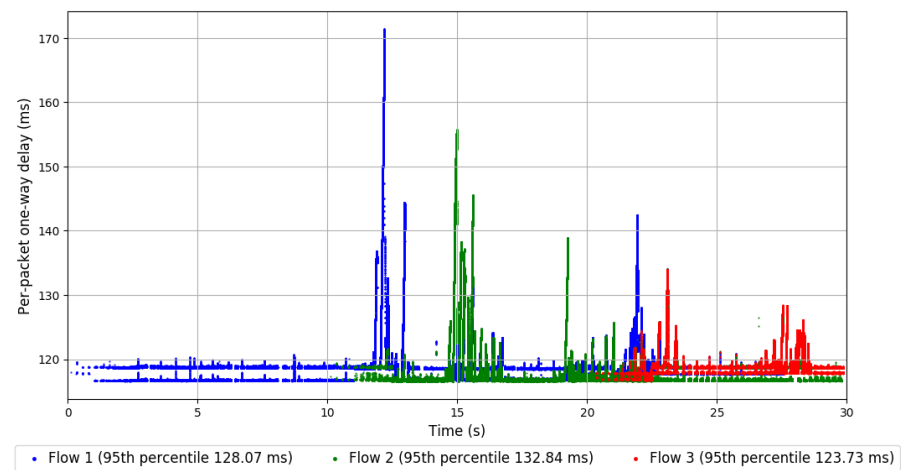
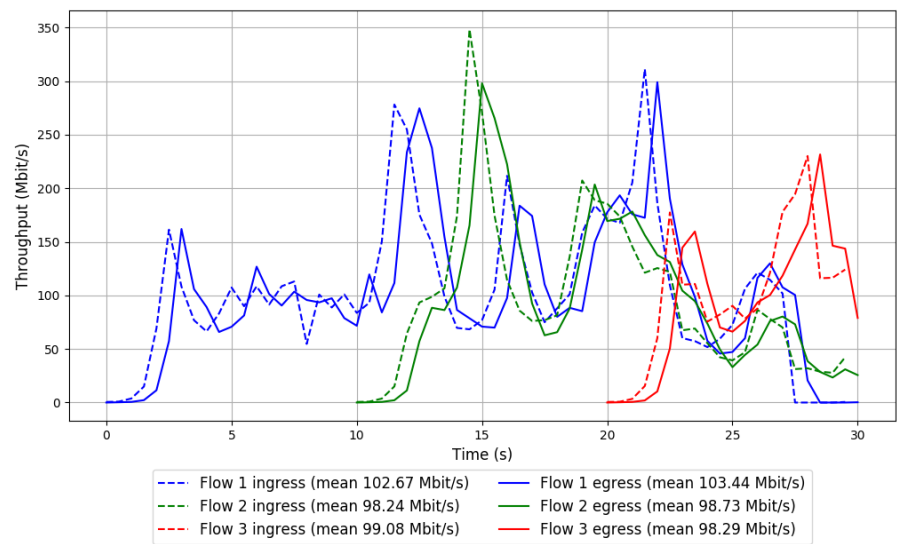
-- Flow 3:

Average throughput: 98.29 Mbit/s

95th percentile per-packet one-way delay: 123.728 ms

Loss rate: 3.02%

Run 10: Report of Copa — Data Link

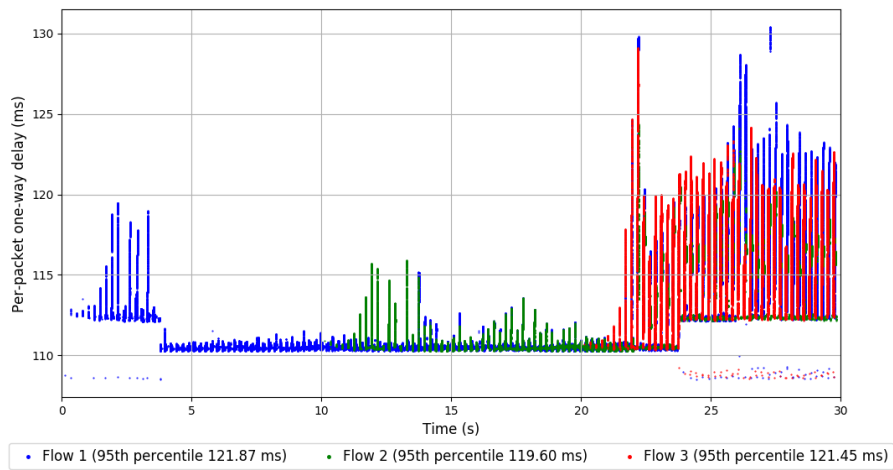
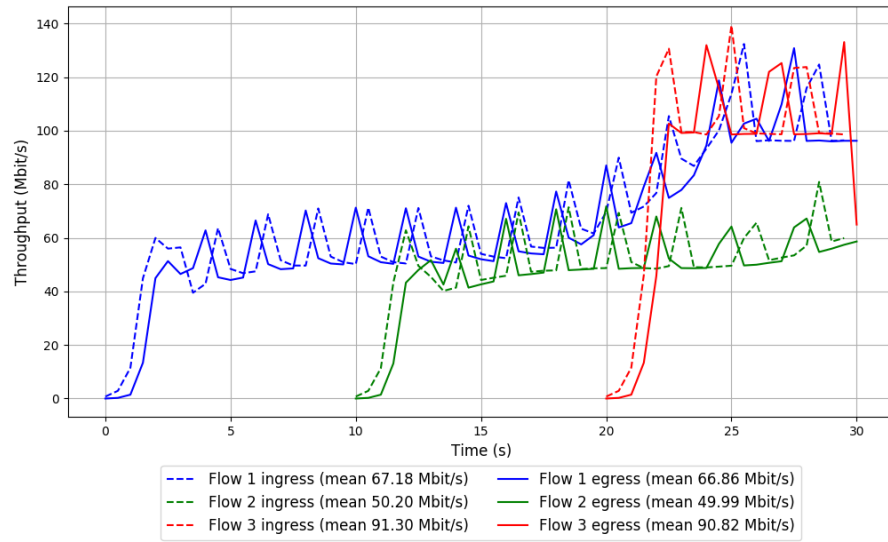


Run 1: Statistics of TCP Cubic

Start at: 2018-05-30 23:47:10
End at: 2018-05-30 23:47:40
Local clock offset: -0.311 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-31 04:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.27 Mbit/s
95th percentile per-packet one-way delay: 121.201 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 121.874 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 119.603 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 121.453 ms
Loss rate: 2.74%

Run 1: Report of TCP Cubic — Data Link

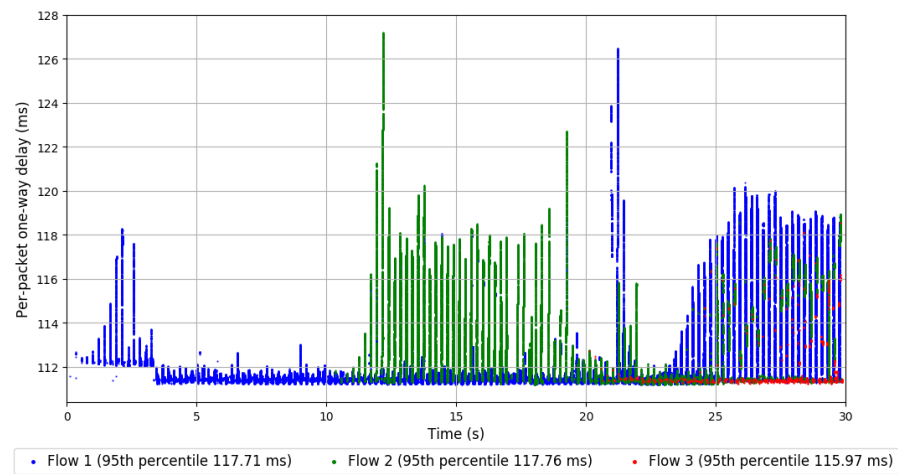
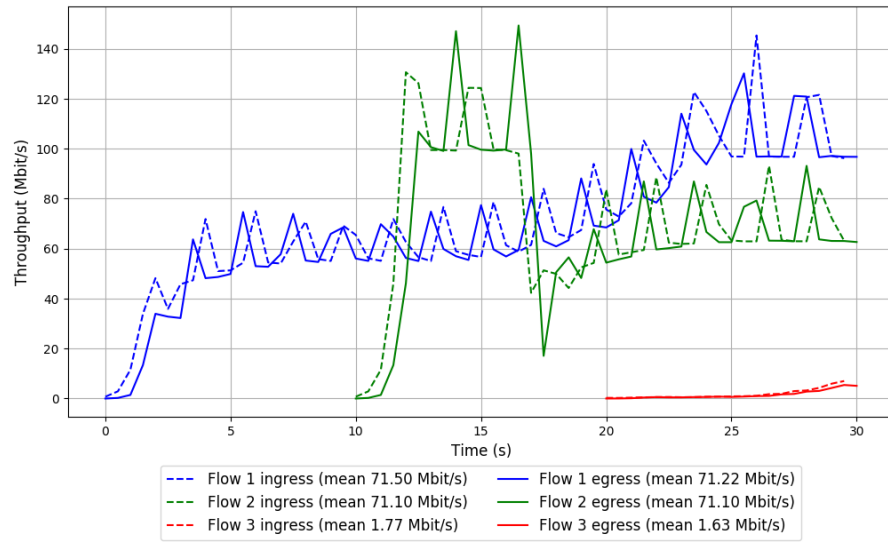


Run 2: Statistics of TCP Cubic

Start at: 2018-05-31 00:11:10
End at: 2018-05-31 00:11:40
Local clock offset: 0.233 ms
Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-05-31 04:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 118.73 Mbit/s
95th percentile per-packet one-way delay: 117.728 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 71.22 Mbit/s
95th percentile per-packet one-way delay: 117.709 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 71.10 Mbit/s
95th percentile per-packet one-way delay: 117.759 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 115.970 ms
Loss rate: 10.04%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-31 00:35:08

End at: 2018-05-31 00:35:38

Local clock offset: -0.176 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-05-31 04:11:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.22 Mbit/s

95th percentile per-packet one-way delay: 115.137 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 73.61 Mbit/s

95th percentile per-packet one-way delay: 115.749 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 57.94 Mbit/s

95th percentile per-packet one-way delay: 114.022 ms

Loss rate: 1.39%

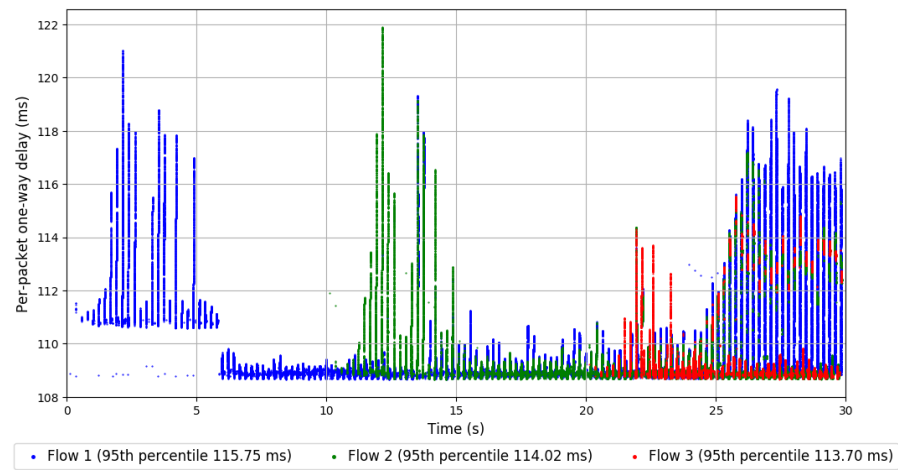
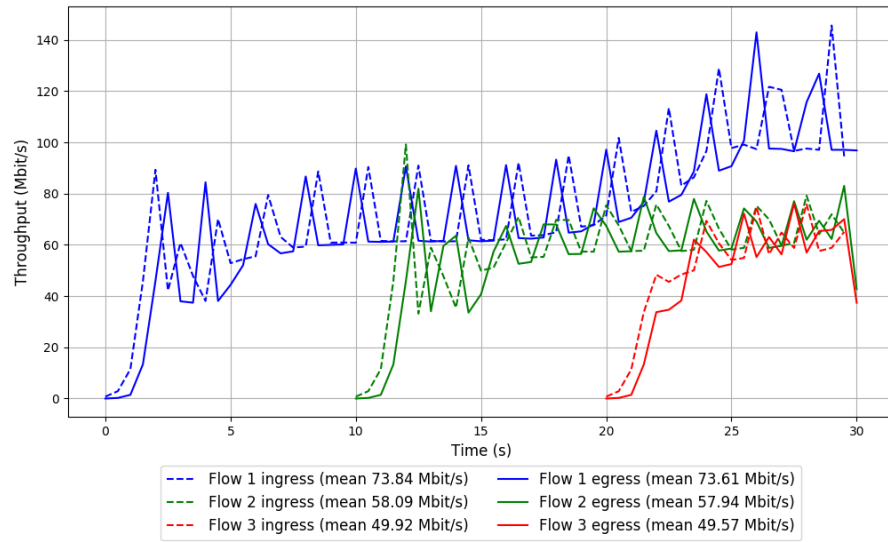
-- Flow 3:

Average throughput: 49.57 Mbit/s

95th percentile per-packet one-way delay: 113.701 ms

Loss rate: 2.90%

Run 3: Report of TCP Cubic — Data Link

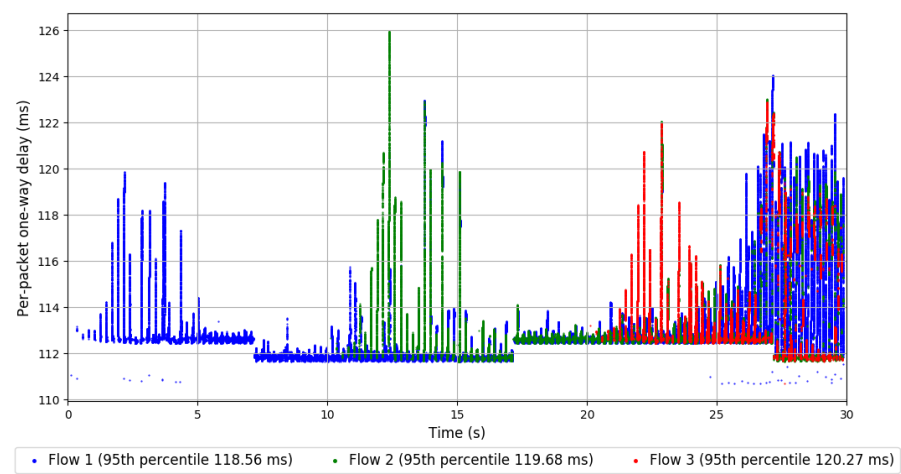
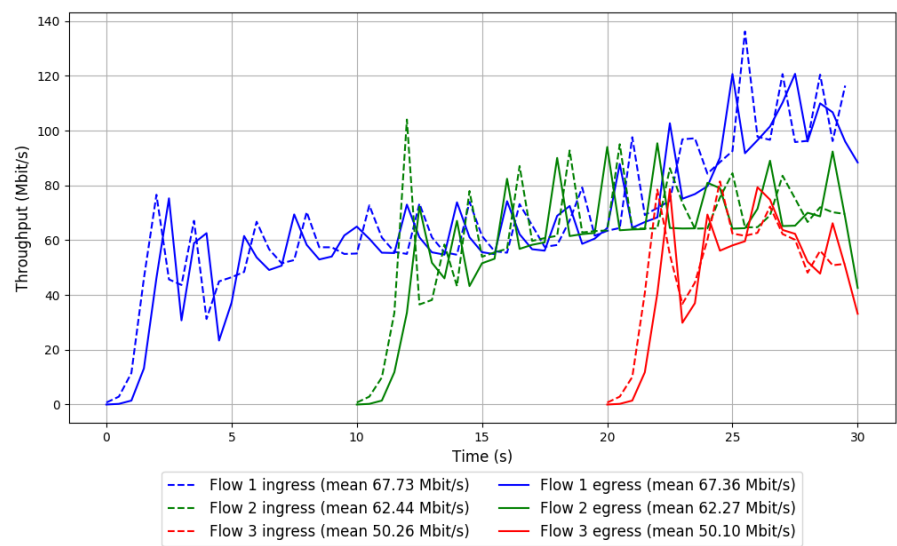


Run 4: Statistics of TCP Cubic

Start at: 2018-05-31 00:59:17
End at: 2018-05-31 00:59:47
Local clock offset: 0.055 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-31 04:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.02 Mbit/s
95th percentile per-packet one-way delay: 119.144 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 118.556 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 119.682 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 120.266 ms
Loss rate: 2.59%

Run 4: Report of TCP Cubic — Data Link

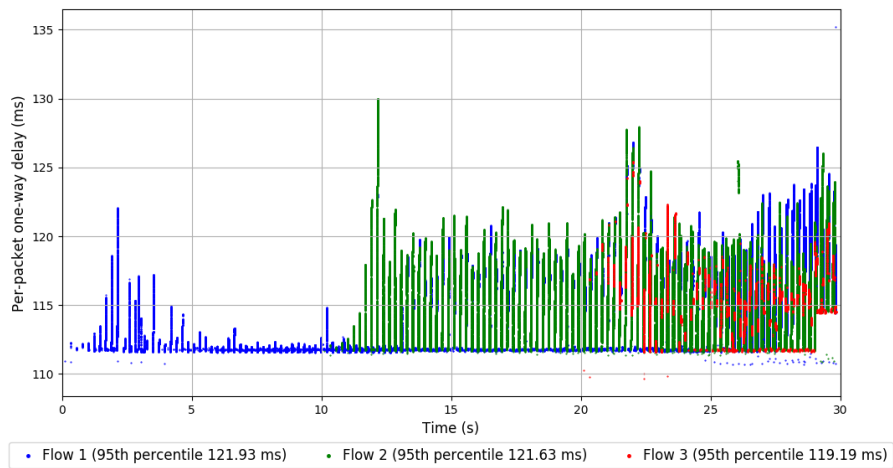
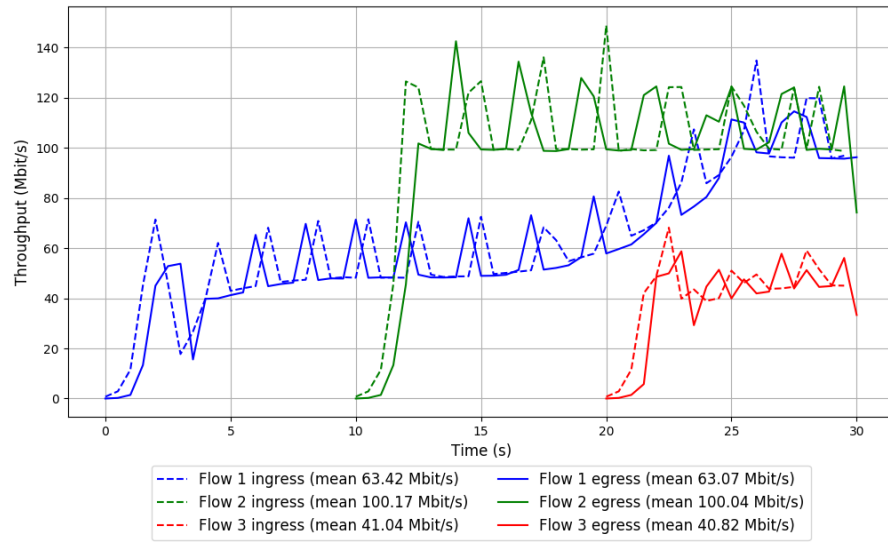


Run 5: Statistics of TCP Cubic

Start at: 2018-05-31 01:23:25
End at: 2018-05-31 01:23:55
Local clock offset: -0.025 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-05-31 04:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.58 Mbit/s
95th percentile per-packet one-way delay: 121.541 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 121.933 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 100.04 Mbit/s
95th percentile per-packet one-way delay: 121.628 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 119.194 ms
Loss rate: 2.75%

Run 5: Report of TCP Cubic — Data Link

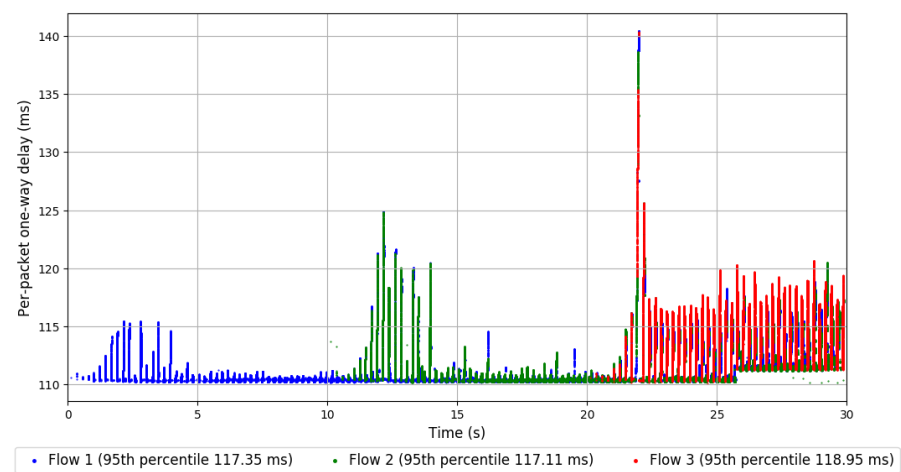
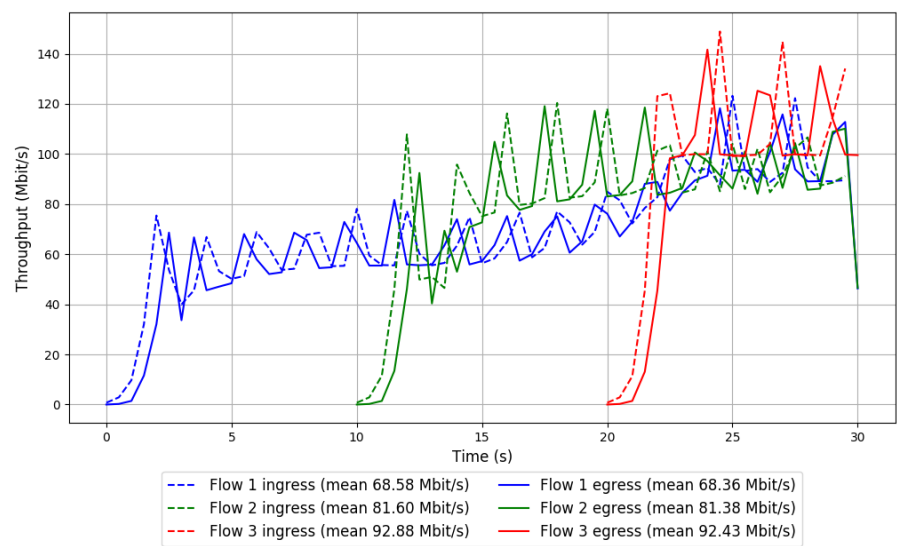


Run 6: Statistics of TCP Cubic

Start at: 2018-05-31 01:47:08
End at: 2018-05-31 01:47:38
Local clock offset: 0.184 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-05-31 04:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.62 Mbit/s
95th percentile per-packet one-way delay: 117.840 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 68.36 Mbit/s
95th percentile per-packet one-way delay: 117.351 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 81.38 Mbit/s
95th percentile per-packet one-way delay: 117.111 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 118.949 ms
Loss rate: 2.67%

Run 6: Report of TCP Cubic — Data Link

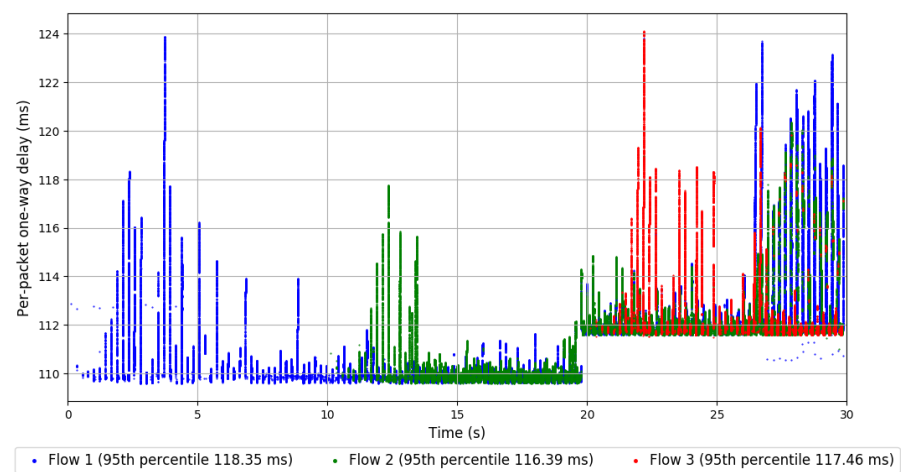
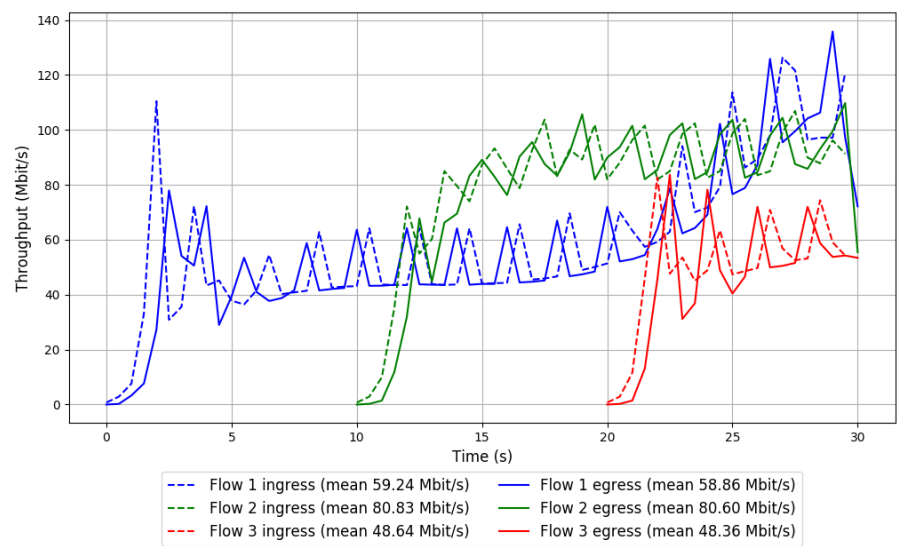


Run 7: Statistics of TCP Cubic

Start at: 2018-05-31 02:11:24
End at: 2018-05-31 02:11:54
Local clock offset: -0.015 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-31 04:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.18 Mbit/s
95th percentile per-packet one-way delay: 117.325 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 118.353 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 116.389 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 117.456 ms
Loss rate: 2.80%

Run 7: Report of TCP Cubic — Data Link

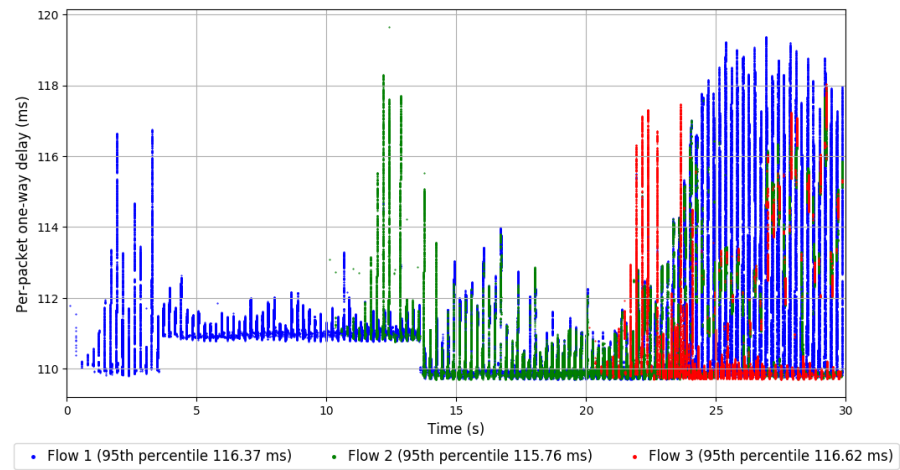
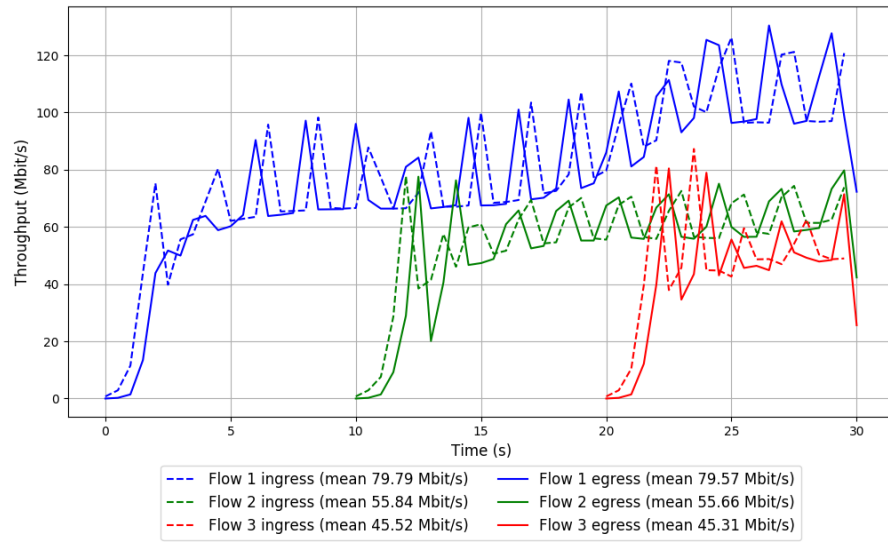


Run 8: Statistics of TCP Cubic

Start at: 2018-05-31 02:35:40
End at: 2018-05-31 02:36:10
Local clock offset: -0.022 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-31 04:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.31 Mbit/s
95th percentile per-packet one-way delay: 116.178 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: 116.372 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 115.761 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 116.623 ms
Loss rate: 2.69%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-31 02:59:51

End at: 2018-05-31 03:00:21

Local clock offset: -0.091 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-05-31 04:11:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.56 Mbit/s

95th percentile per-packet one-way delay: 117.073 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 84.38 Mbit/s

95th percentile per-packet one-way delay: 116.536 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 47.12 Mbit/s

95th percentile per-packet one-way delay: 117.292 ms

Loss rate: 1.32%

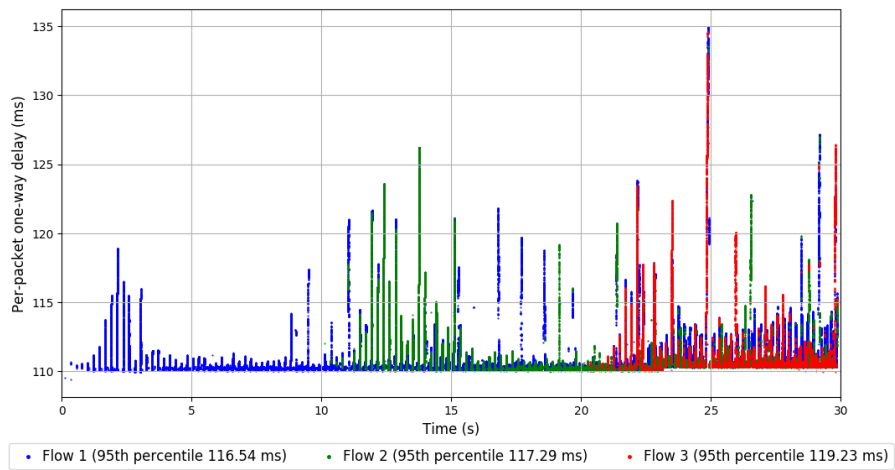
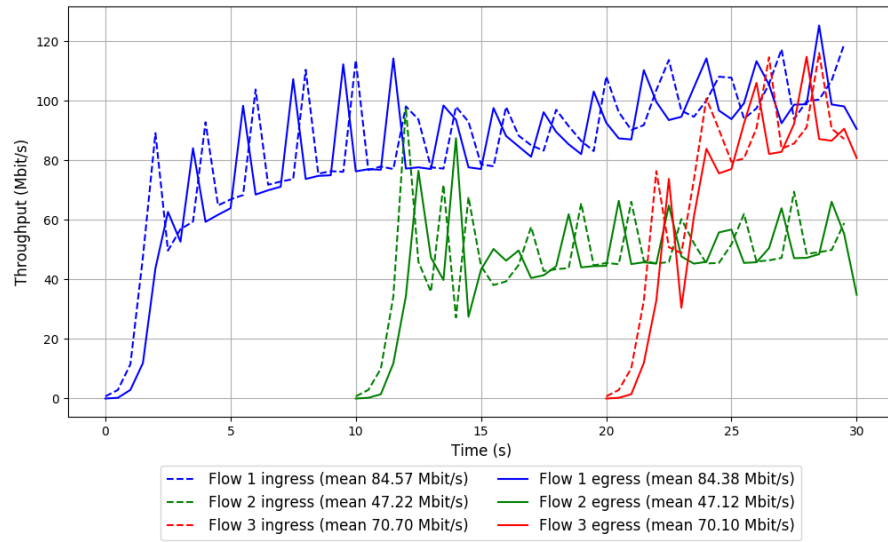
-- Flow 3:

Average throughput: 70.10 Mbit/s

95th percentile per-packet one-way delay: 119.234 ms

Loss rate: 3.07%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-31 03:24:31

End at: 2018-05-31 03:25:01

Local clock offset: -0.052 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-05-31 04:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.92 Mbit/s

95th percentile per-packet one-way delay: 119.044 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 62.80 Mbit/s

95th percentile per-packet one-way delay: 119.277 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 62.62 Mbit/s

95th percentile per-packet one-way delay: 118.445 ms

Loss rate: 1.39%

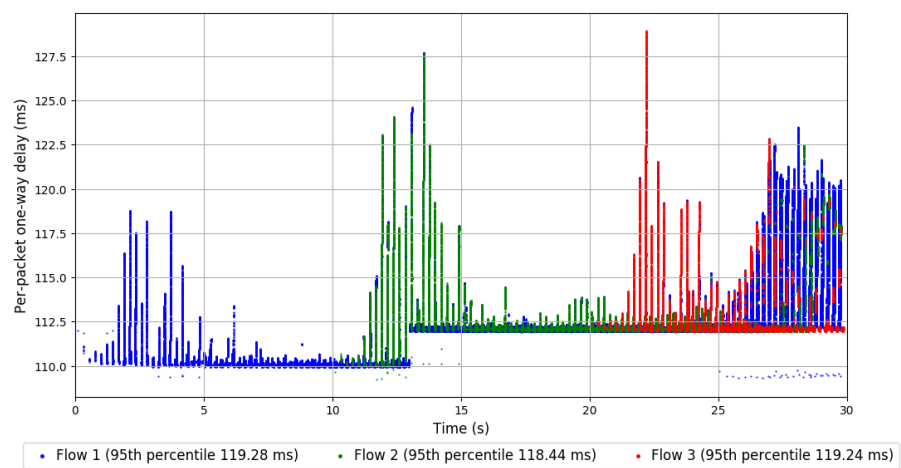
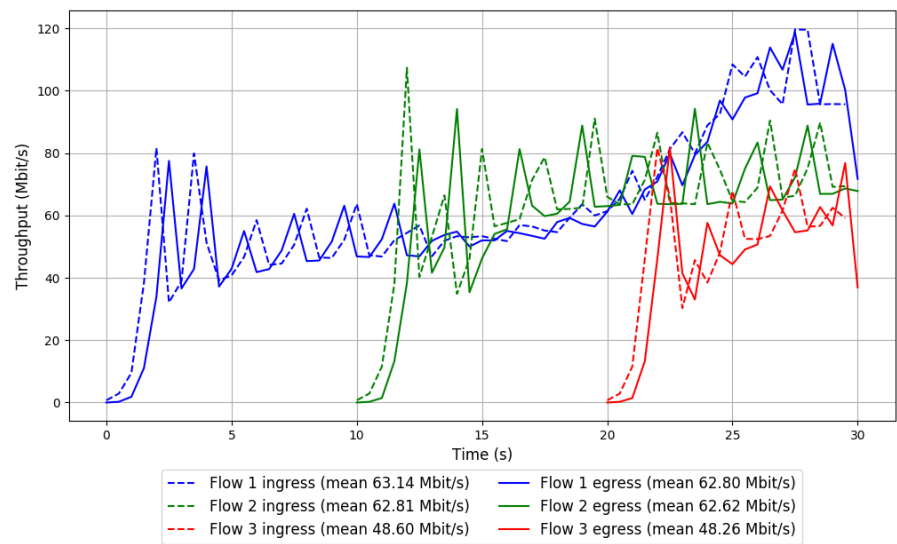
-- Flow 3:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 119.236 ms

Loss rate: 2.95%

Run 10: Report of TCP Cubic — Data Link

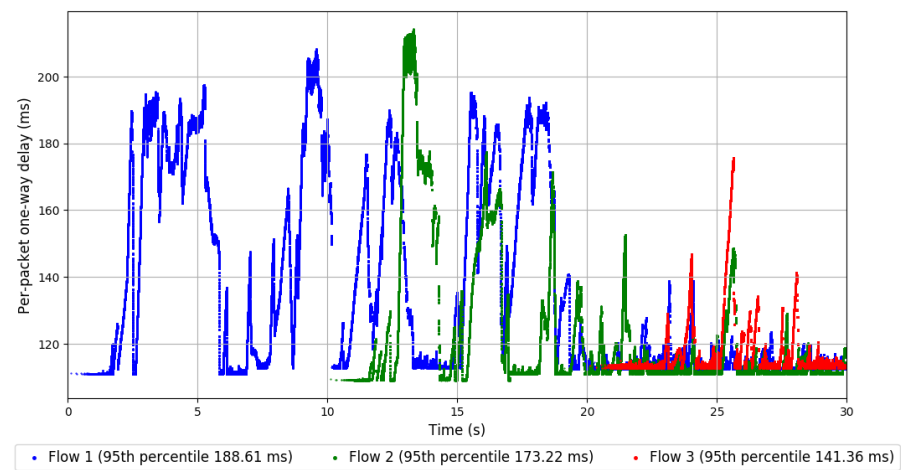
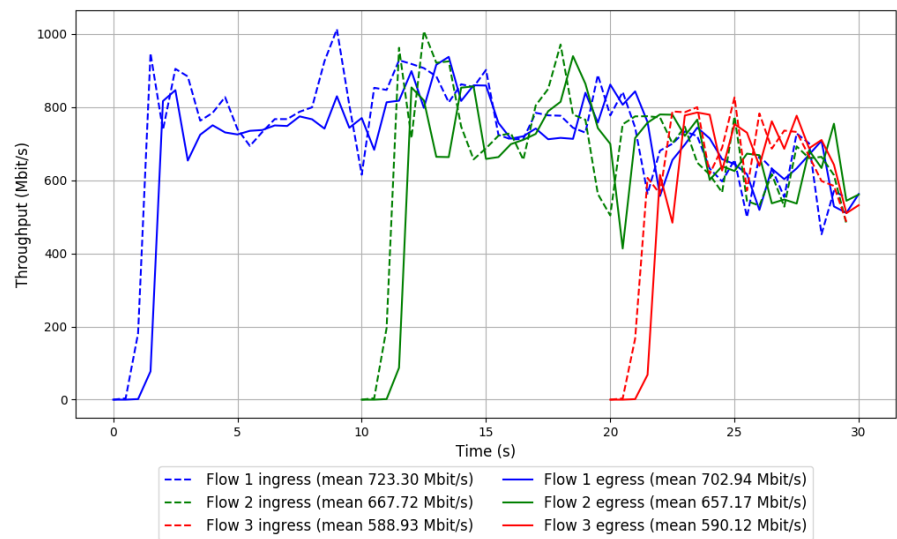


Run 1: Statistics of FillP

Start at: 2018-05-30 23:44:57
End at: 2018-05-30 23:45:27
Local clock offset: -0.055 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-05-31 04:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1333.57 Mbit/s
95th percentile per-packet one-way delay: 186.535 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 702.94 Mbit/s
95th percentile per-packet one-way delay: 188.607 ms
Loss rate: 3.19%
-- Flow 2:
Average throughput: 657.17 Mbit/s
95th percentile per-packet one-way delay: 173.224 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 590.12 Mbit/s
95th percentile per-packet one-way delay: 141.356 ms
Loss rate: 1.07%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-31 00:08:56

End at: 2018-05-31 00:09:26

Local clock offset: -0.061 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-05-31 04:36:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 1355.49 Mbit/s

95th percentile per-packet one-way delay: 158.212 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 741.55 Mbit/s

95th percentile per-packet one-way delay: 160.826 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 650.50 Mbit/s

95th percentile per-packet one-way delay: 170.170 ms

Loss rate: 0.96%

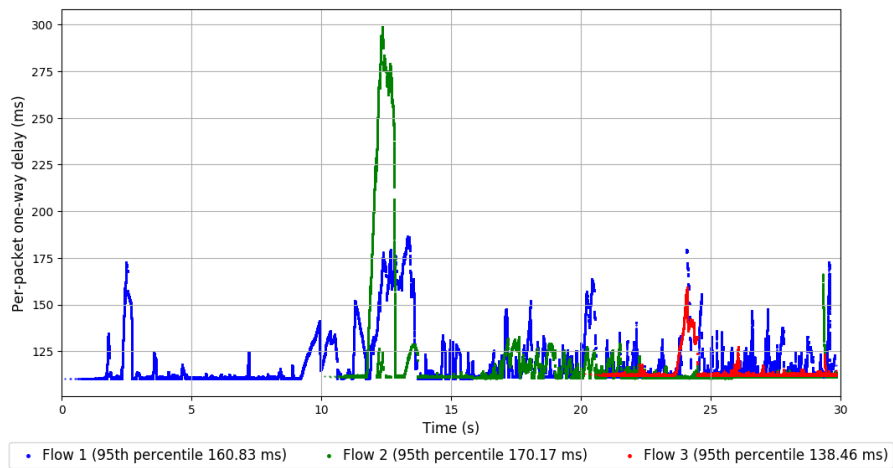
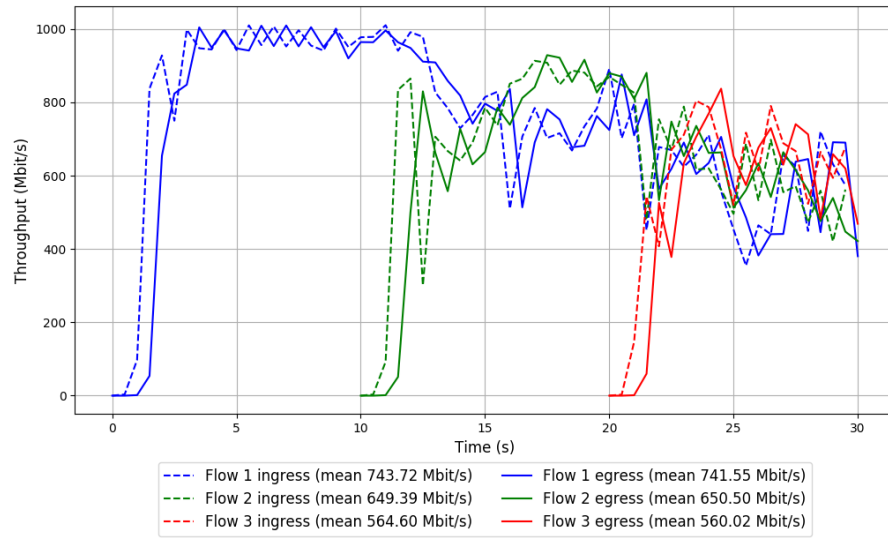
-- Flow 3:

Average throughput: 560.02 Mbit/s

95th percentile per-packet one-way delay: 138.458 ms

Loss rate: 3.06%

Run 2: Report of FillP — Data Link

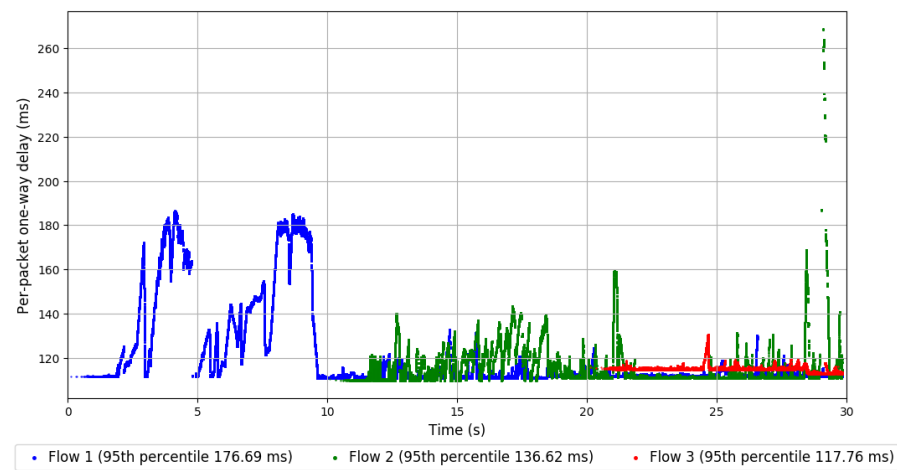
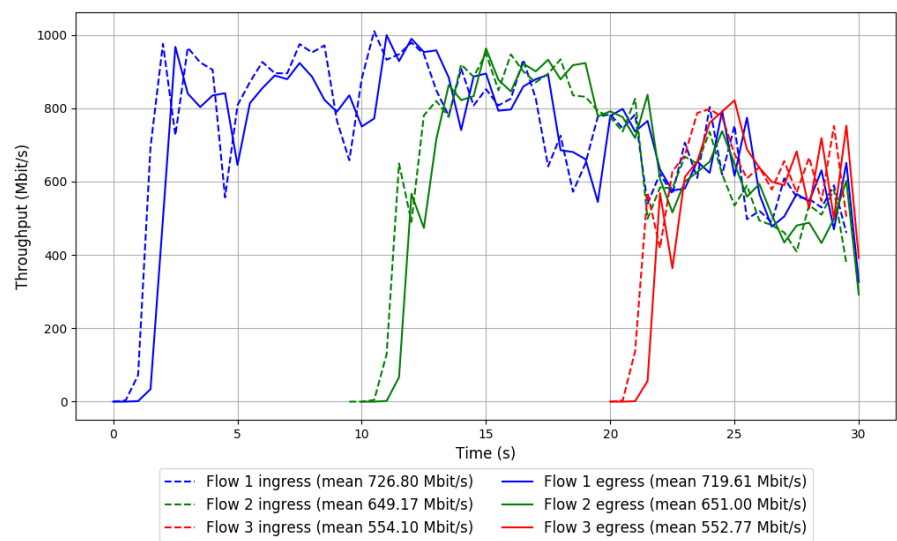


Run 3: Statistics of FillP

Start at: 2018-05-31 00:32:55
End at: 2018-05-31 00:33:25
Local clock offset: 0.057 ms
Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-31 04:36:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1331.89 Mbit/s
95th percentile per-packet one-way delay: 165.508 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 719.61 Mbit/s
95th percentile per-packet one-way delay: 176.691 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 651.00 Mbit/s
95th percentile per-packet one-way delay: 136.623 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 552.77 Mbit/s
95th percentile per-packet one-way delay: 117.758 ms
Loss rate: 2.48%

Run 3: Report of FillP — Data Link

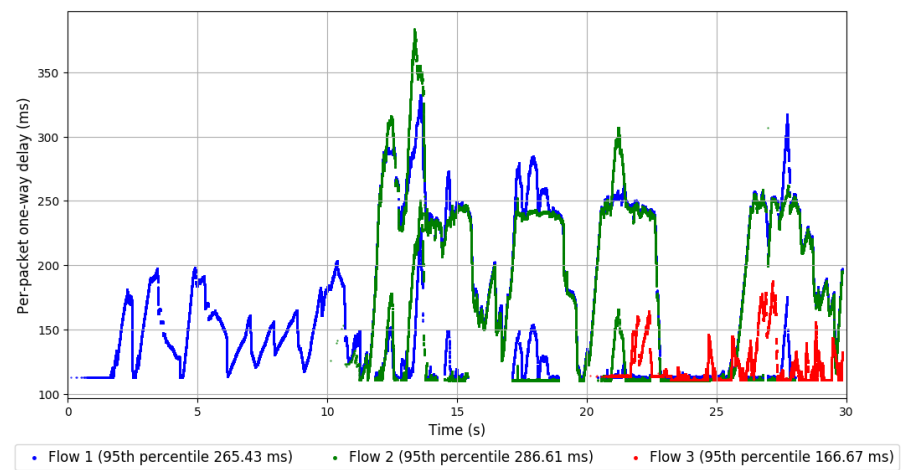
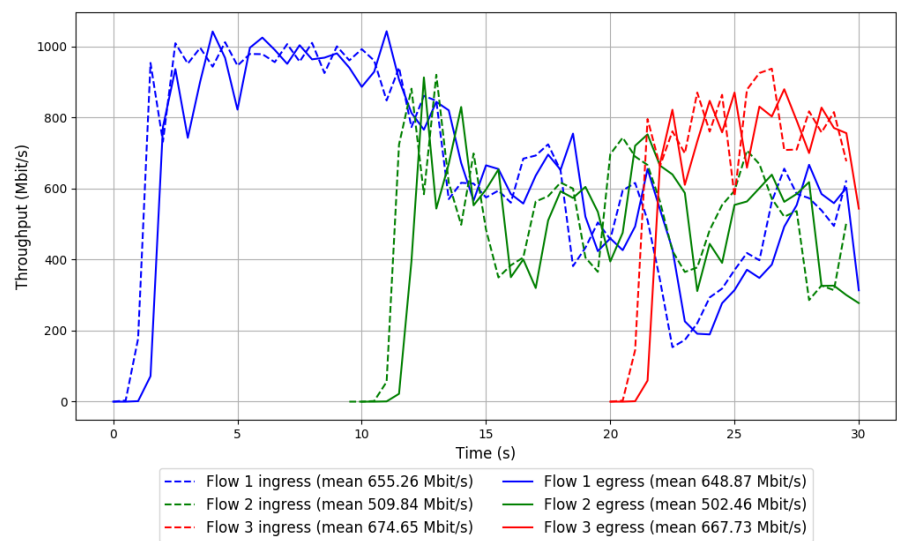


Run 4: Statistics of FillP

Start at: 2018-05-31 00:57:09
End at: 2018-05-31 00:57:39
Local clock offset: 0.034 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-31 04:36:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1199.76 Mbit/s
95th percentile per-packet one-way delay: 262.834 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 648.87 Mbit/s
95th percentile per-packet one-way delay: 265.429 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 502.46 Mbit/s
95th percentile per-packet one-way delay: 286.610 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 667.73 Mbit/s
95th percentile per-packet one-way delay: 166.668 ms
Loss rate: 3.25%

Run 4: Report of FillP — Data Link

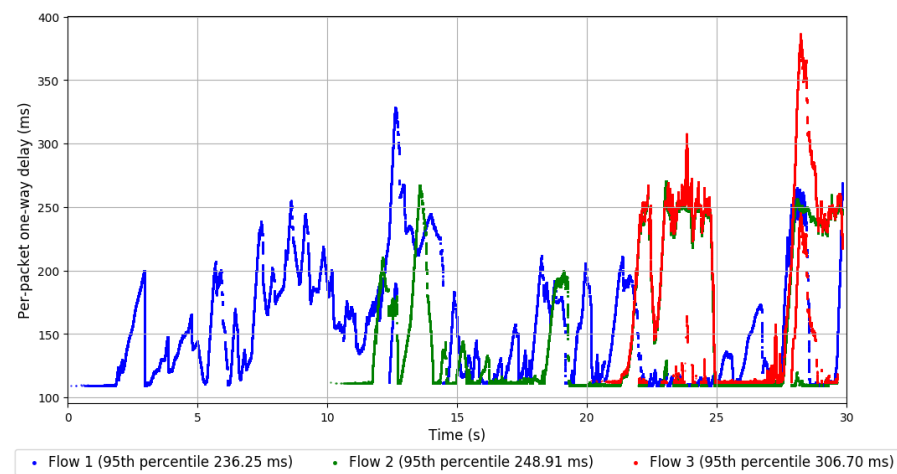
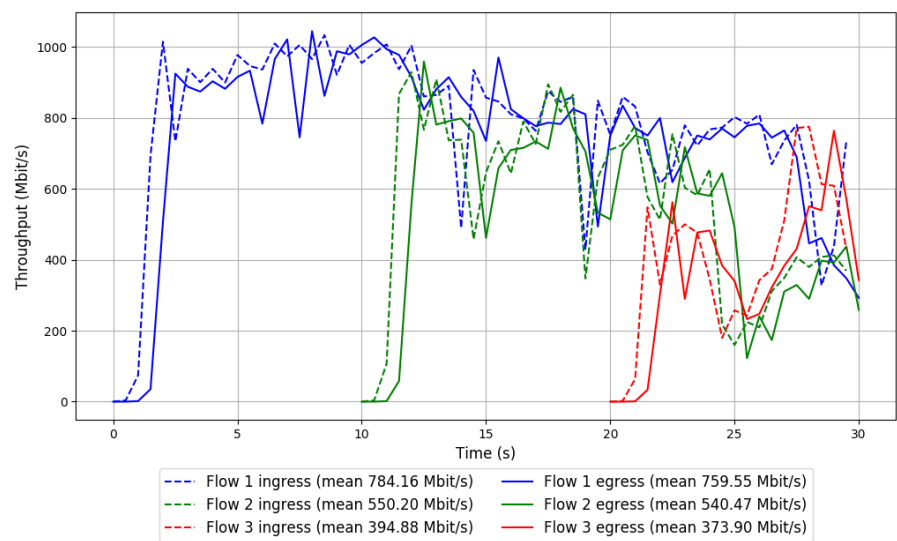


Run 5: Statistics of FillP

Start at: 2018-05-31 01:21:14
End at: 2018-05-31 01:21:44
Local clock offset: -0.276 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-31 04:36:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1240.03 Mbit/s
95th percentile per-packet one-way delay: 250.572 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 759.55 Mbit/s
95th percentile per-packet one-way delay: 236.247 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 540.47 Mbit/s
95th percentile per-packet one-way delay: 248.910 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 373.90 Mbit/s
95th percentile per-packet one-way delay: 306.697 ms
Loss rate: 7.45%

Run 5: Report of FillP — Data Link

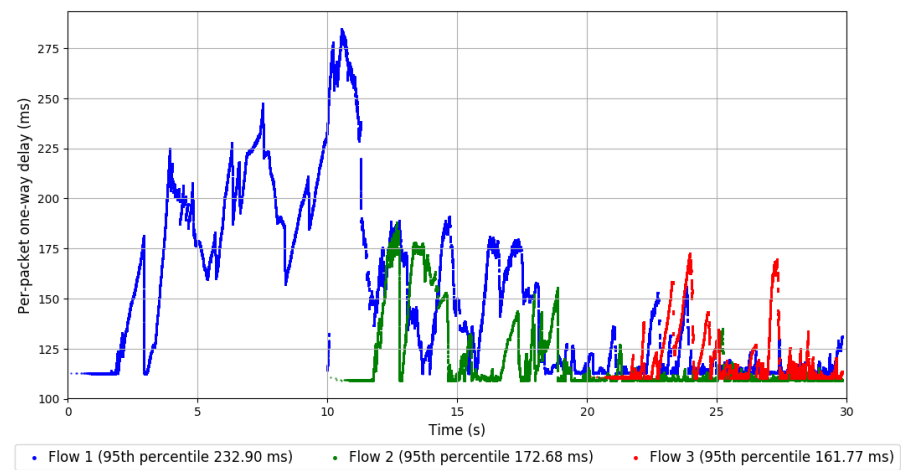
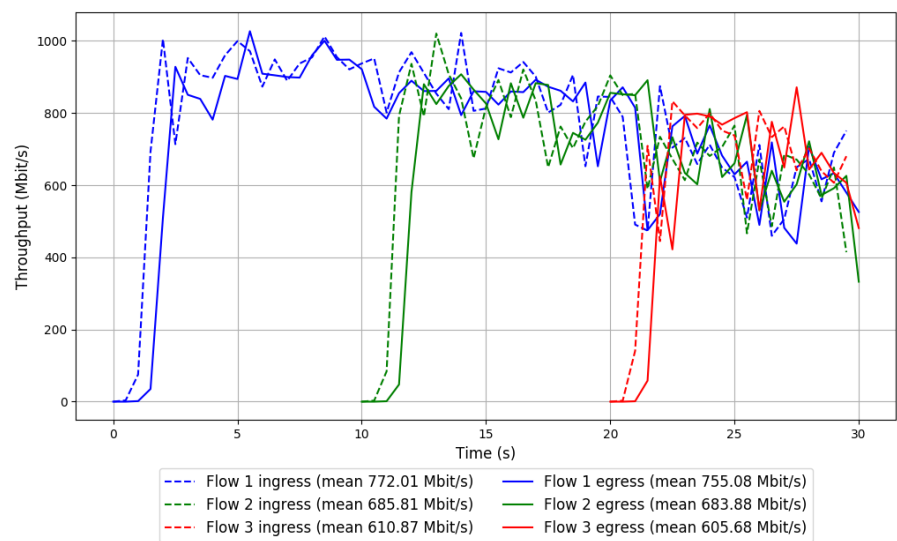


Run 6: Statistics of FillP

Start at: 2018-05-31 01:44:52
End at: 2018-05-31 01:45:22
Local clock offset: -0.06 ms
Remote clock offset: -0.461 ms

Below is generated by plot.py at 2018-05-31 04:38:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1406.06 Mbit/s
95th percentile per-packet one-way delay: 220.347 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 755.08 Mbit/s
95th percentile per-packet one-way delay: 232.904 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 683.88 Mbit/s
95th percentile per-packet one-way delay: 172.678 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 605.68 Mbit/s
95th percentile per-packet one-way delay: 161.766 ms
Loss rate: 3.08%

Run 6: Report of FillP — Data Link

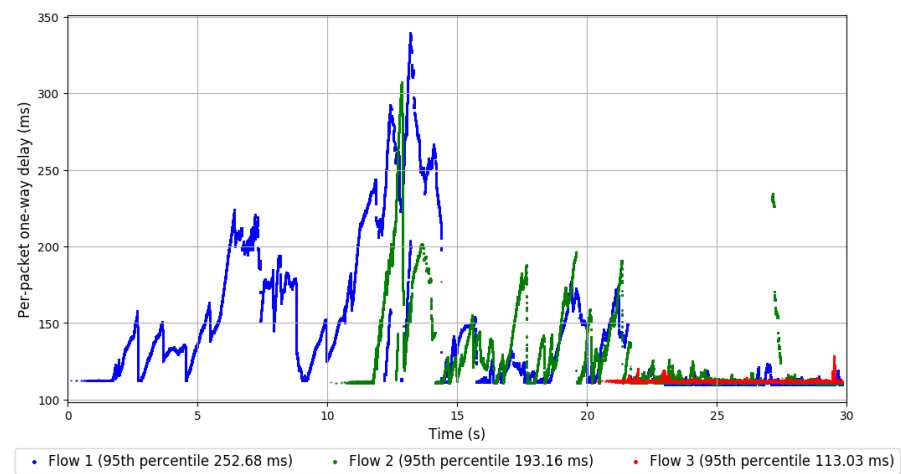
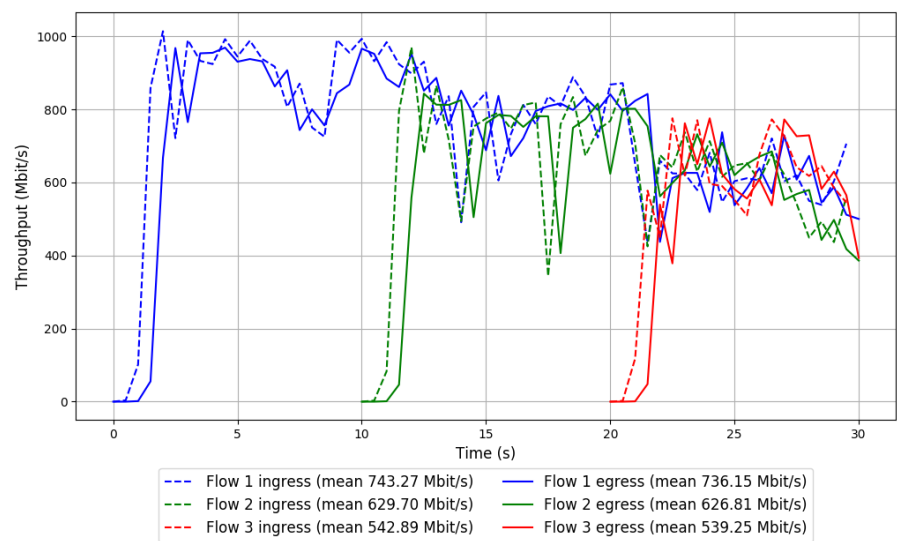


Run 7: Statistics of FillP

Start at: 2018-05-31 02:09:11
End at: 2018-05-31 02:09:41
Local clock offset: -0.002 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-31 04:38:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1327.82 Mbit/s
95th percentile per-packet one-way delay: 231.457 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 736.15 Mbit/s
95th percentile per-packet one-way delay: 252.682 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 626.81 Mbit/s
95th percentile per-packet one-way delay: 193.155 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 539.25 Mbit/s
95th percentile per-packet one-way delay: 113.033 ms
Loss rate: 2.91%

Run 7: Report of FillP — Data Link

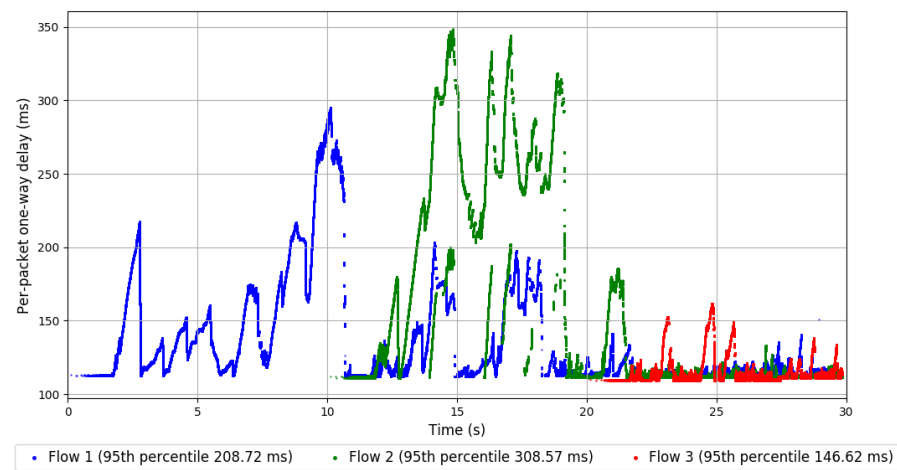
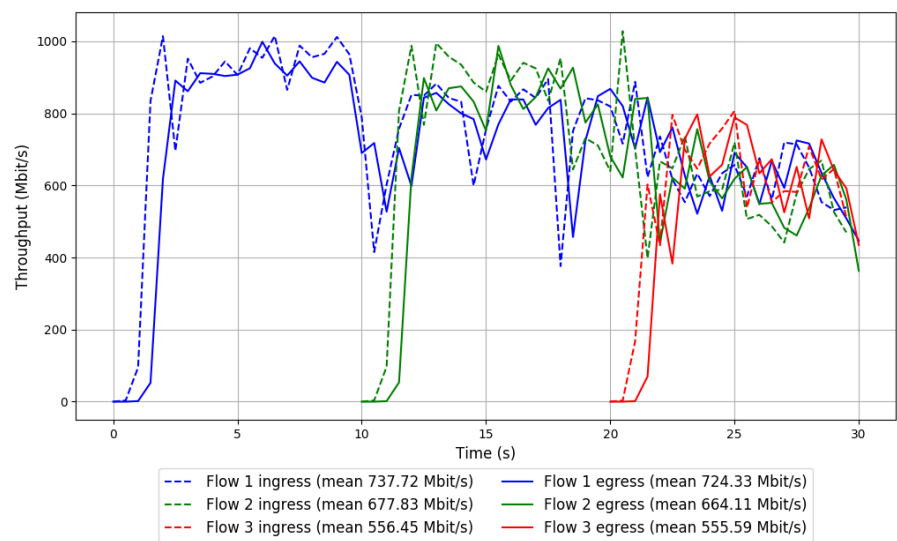


Run 8: Statistics of FillP

Start at: 2018-05-31 02:33:26
End at: 2018-05-31 02:33:56
Local clock offset: -0.168 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2018-05-31 04:38:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1346.15 Mbit/s
95th percentile per-packet one-way delay: 270.973 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 724.33 Mbit/s
95th percentile per-packet one-way delay: 208.725 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 664.11 Mbit/s
95th percentile per-packet one-way delay: 308.567 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 555.59 Mbit/s
95th percentile per-packet one-way delay: 146.624 ms
Loss rate: 2.35%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-31 02:57:38

End at: 2018-05-31 02:58:08

Local clock offset: -0.074 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-05-31 05:01:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 1328.38 Mbit/s

95th percentile per-packet one-way delay: 175.198 ms

Loss rate: 2.31%

-- Flow 1:

Average throughput: 710.48 Mbit/s

95th percentile per-packet one-way delay: 178.437 ms

Loss rate: 2.93%

-- Flow 2:

Average throughput: 667.61 Mbit/s

95th percentile per-packet one-way delay: 170.301 ms

Loss rate: 1.33%

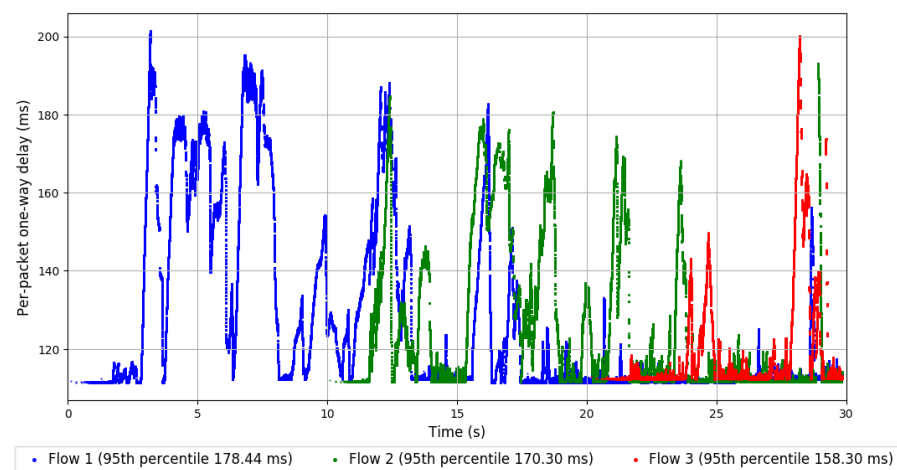
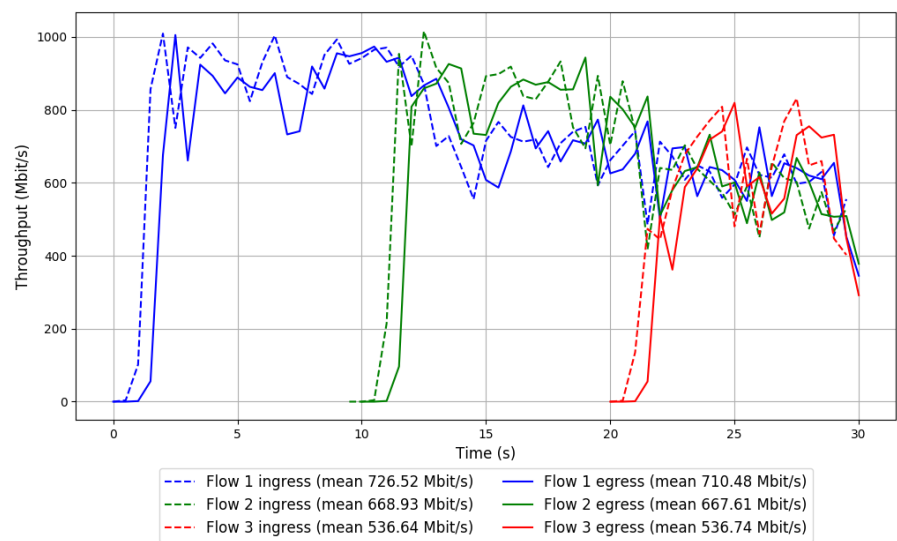
-- Flow 3:

Average throughput: 536.74 Mbit/s

95th percentile per-packet one-way delay: 158.303 ms

Loss rate: 2.24%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-31 03:22:14

End at: 2018-05-31 03:22:44

Local clock offset: 6.722 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-05-31 05:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 1398.43 Mbit/s

95th percentile per-packet one-way delay: 264.995 ms

Loss rate: 3.19%

-- Flow 1:

Average throughput: 731.60 Mbit/s

95th percentile per-packet one-way delay: 273.643 ms

Loss rate: 2.63%

-- Flow 2:

Average throughput: 786.34 Mbit/s

95th percentile per-packet one-way delay: 179.025 ms

Loss rate: 3.72%

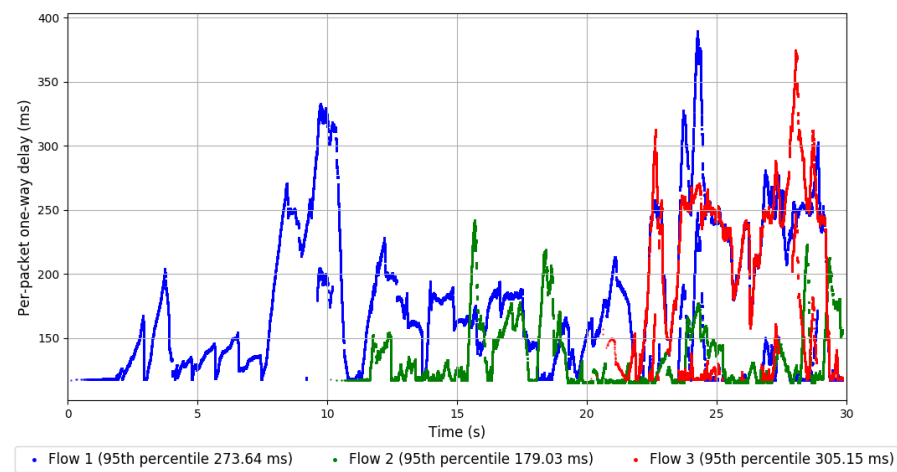
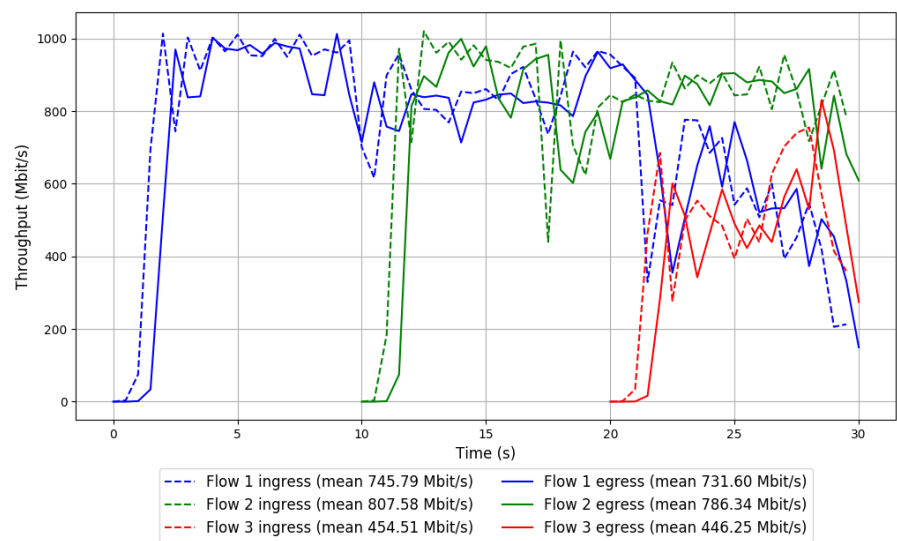
-- Flow 3:

Average throughput: 446.25 Mbit/s

95th percentile per-packet one-way delay: 305.148 ms

Loss rate: 4.04%

Run 10: Report of FillP — Data Link

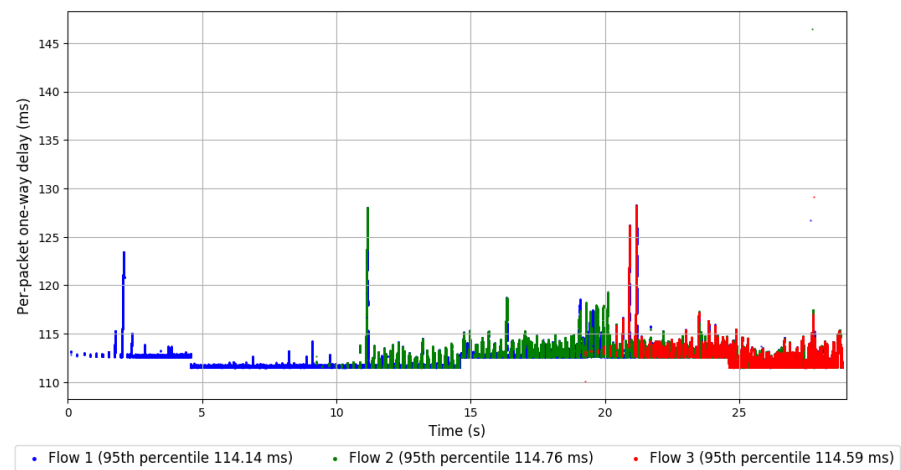
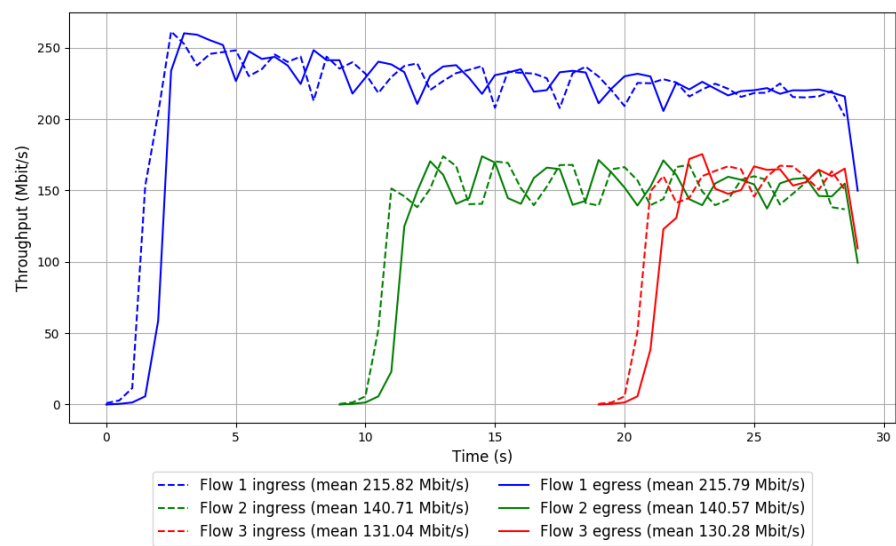


```
Run 1: Statistics of Indigo

Start at: 2018-05-30 23:51:08
End at: 2018-05-30 23:51:38
Local clock offset: 0.121 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-05-31 05:04:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.96 Mbit/s
95th percentile per-packet one-way delay: 114.368 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 215.79 Mbit/s
95th percentile per-packet one-way delay: 114.138 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 140.57 Mbit/s
95th percentile per-packet one-way delay: 114.760 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 130.28 Mbit/s
95th percentile per-packet one-way delay: 114.587 ms
Loss rate: 2.81%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-31 00:15:08

End at: 2018-05-31 00:15:38

Local clock offset: 0.133 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-05-31 05:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.05 Mbit/s

95th percentile per-packet one-way delay: 114.057 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 151.37 Mbit/s

95th percentile per-packet one-way delay: 113.423 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 146.19 Mbit/s

95th percentile per-packet one-way delay: 114.446 ms

Loss rate: 1.15%

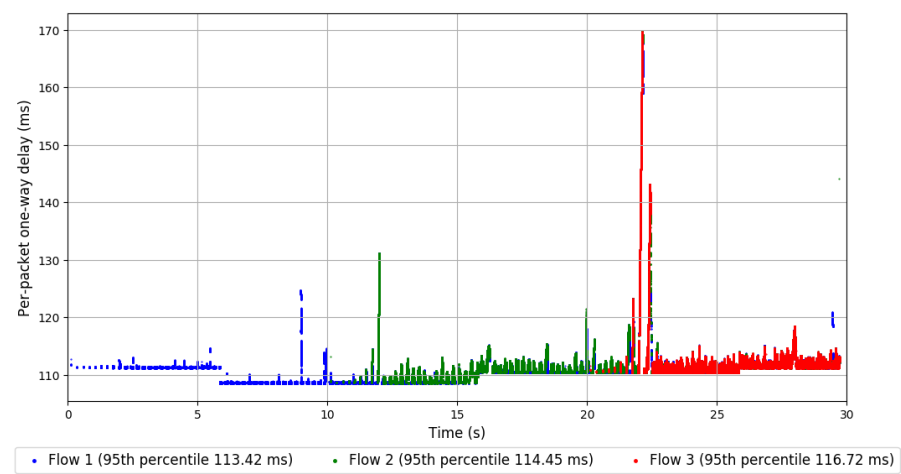
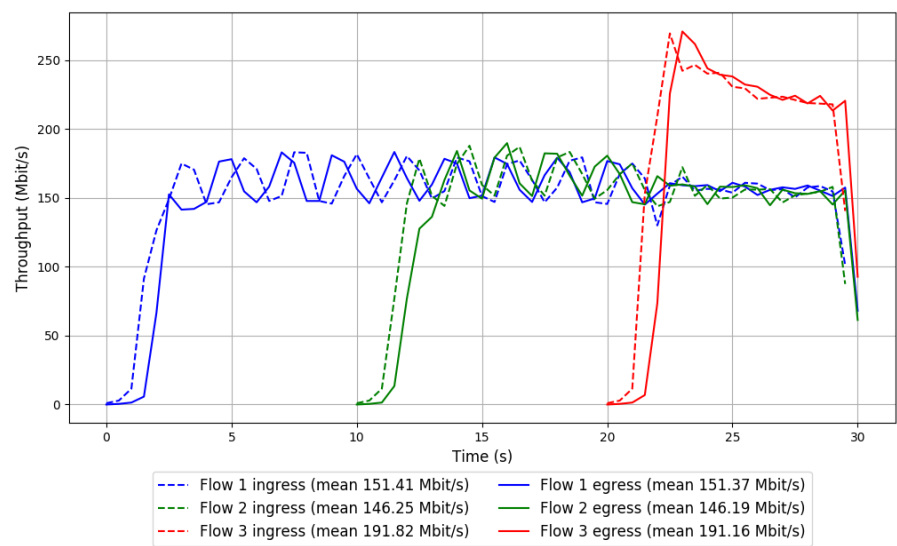
-- Flow 3:

Average throughput: 191.16 Mbit/s

95th percentile per-packet one-way delay: 116.717 ms

Loss rate: 2.60%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-31 00:39:07

End at: 2018-05-31 00:39:37

Local clock offset: 0.133 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-05-31 05:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.35 Mbit/s

95th percentile per-packet one-way delay: 116.921 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 147.98 Mbit/s

95th percentile per-packet one-way delay: 114.902 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 206.12 Mbit/s

95th percentile per-packet one-way delay: 116.725 ms

Loss rate: 1.07%

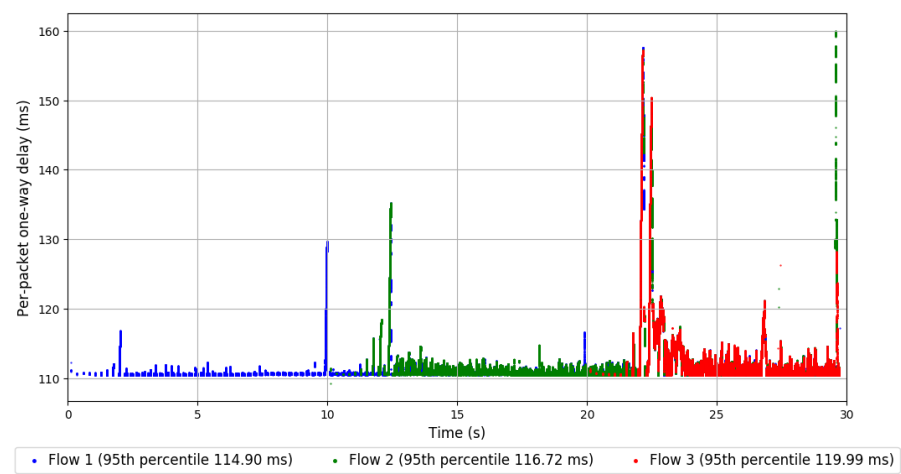
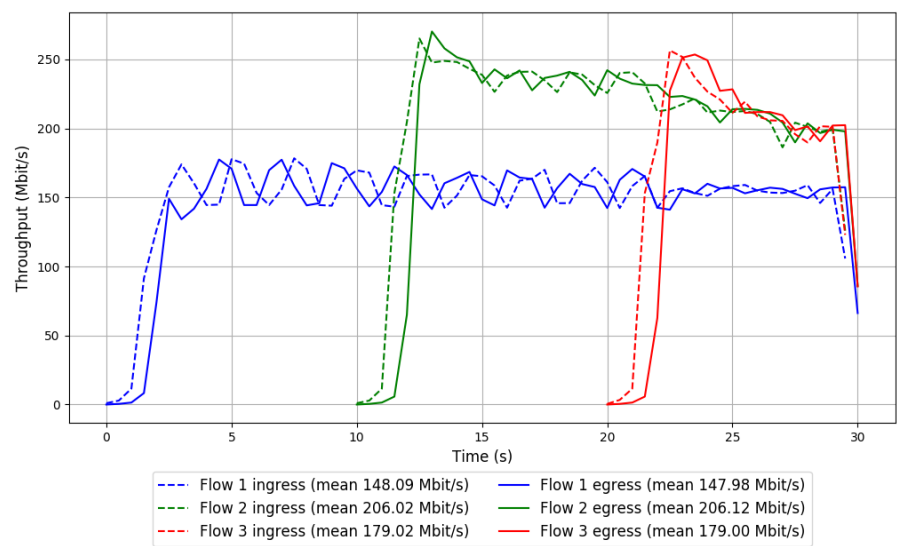
-- Flow 3:

Average throughput: 179.00 Mbit/s

95th percentile per-packet one-way delay: 119.993 ms

Loss rate: 2.28%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-31 01:03:14

End at: 2018-05-31 01:03:44

Local clock offset: -0.07 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-05-31 05:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.06 Mbit/s

95th percentile per-packet one-way delay: 114.730 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 213.09 Mbit/s

95th percentile per-packet one-way delay: 114.282 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 151.92 Mbit/s

95th percentile per-packet one-way delay: 115.232 ms

Loss rate: 1.19%

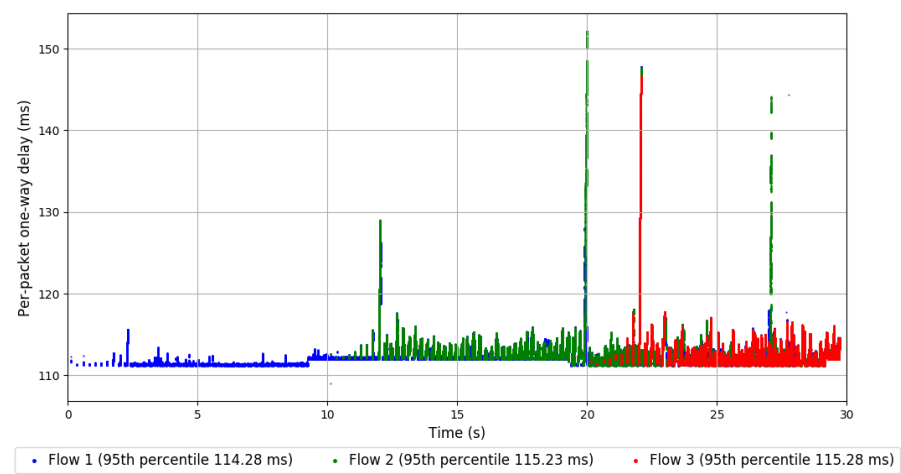
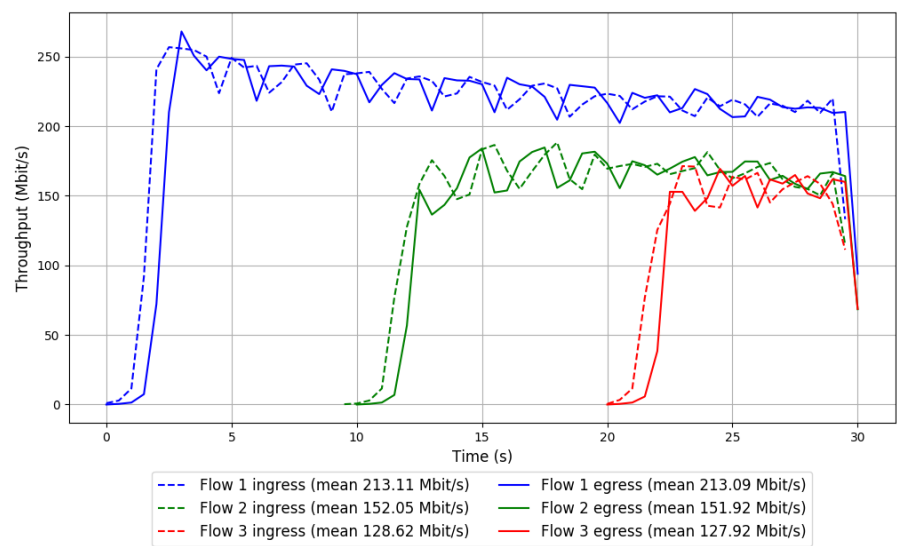
-- Flow 3:

Average throughput: 127.92 Mbit/s

95th percentile per-packet one-way delay: 115.280 ms

Loss rate: 2.81%

Run 4: Report of Indigo — Data Link

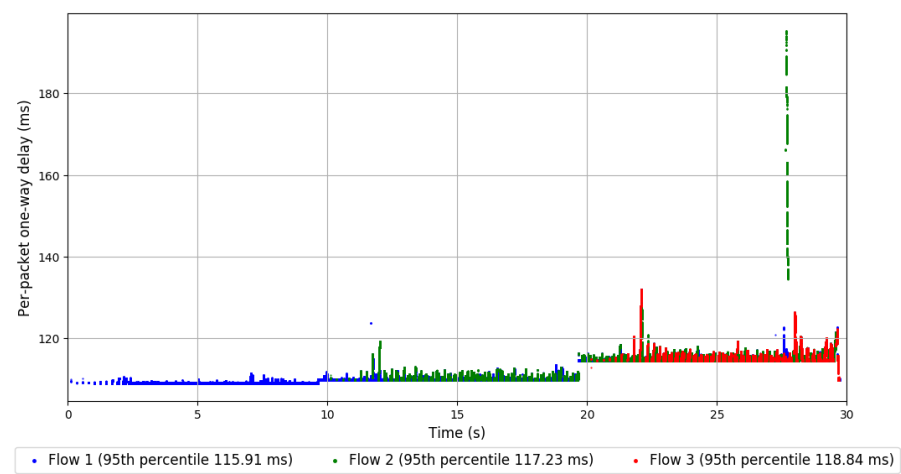
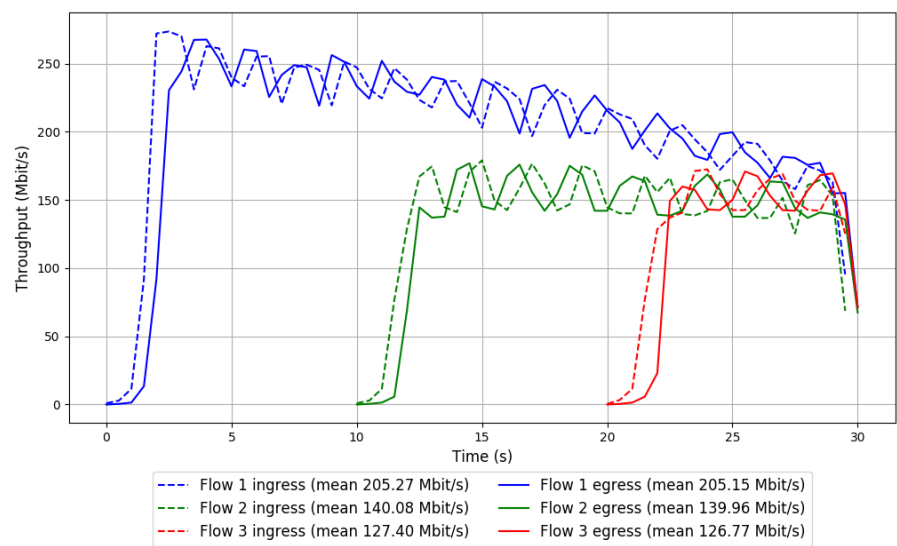


Run 5: Statistics of Indigo

Start at: 2018-05-31 01:27:24
End at: 2018-05-31 01:27:54
Local clock offset: 0.078 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.35 Mbit/s
95th percentile per-packet one-way delay: 116.640 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 205.15 Mbit/s
95th percentile per-packet one-way delay: 115.914 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 139.96 Mbit/s
95th percentile per-packet one-way delay: 117.226 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 126.77 Mbit/s
95th percentile per-packet one-way delay: 118.838 ms
Loss rate: 2.86%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-31 01:51:07

End at: 2018-05-31 01:51:37

Local clock offset: -0.008 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-05-31 05:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 326.07 Mbit/s

95th percentile per-packet one-way delay: 117.996 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 147.01 Mbit/s

95th percentile per-packet one-way delay: 116.297 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 205.60 Mbit/s

95th percentile per-packet one-way delay: 118.511 ms

Loss rate: 1.08%

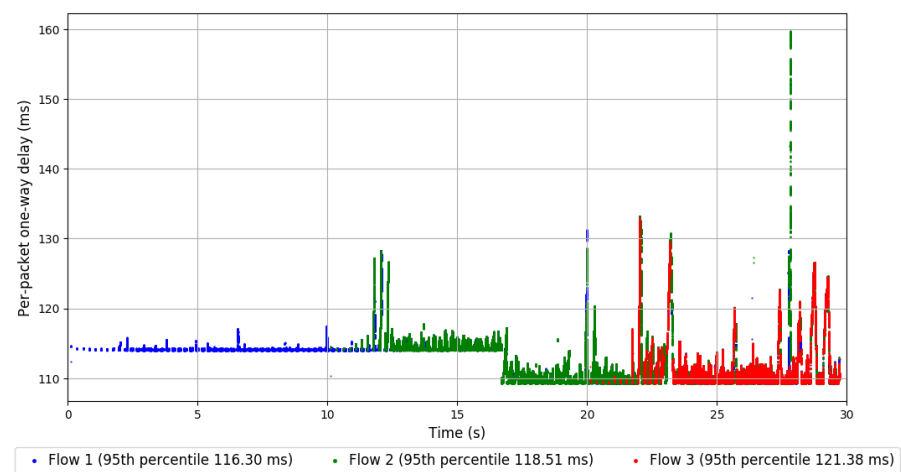
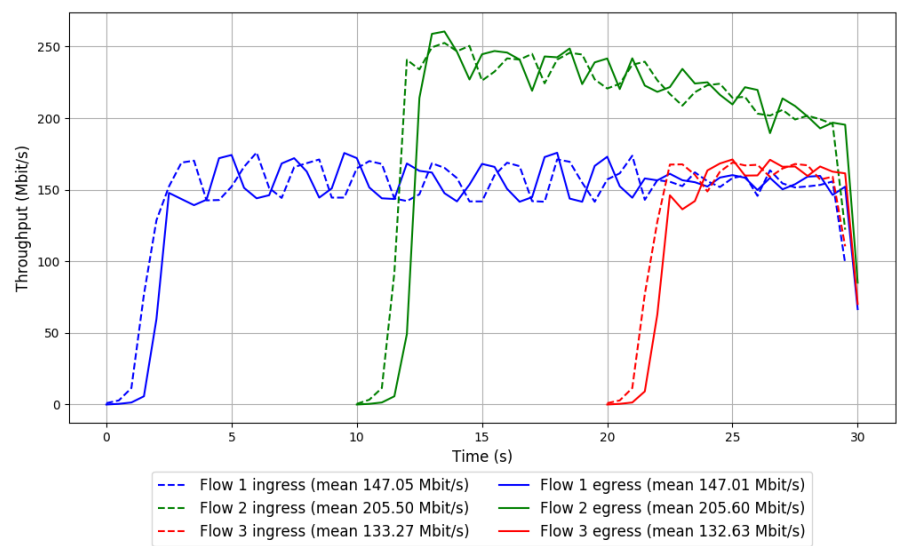
-- Flow 3:

Average throughput: 132.63 Mbit/s

95th percentile per-packet one-way delay: 121.377 ms

Loss rate: 2.73%

Run 6: Report of Indigo — Data Link

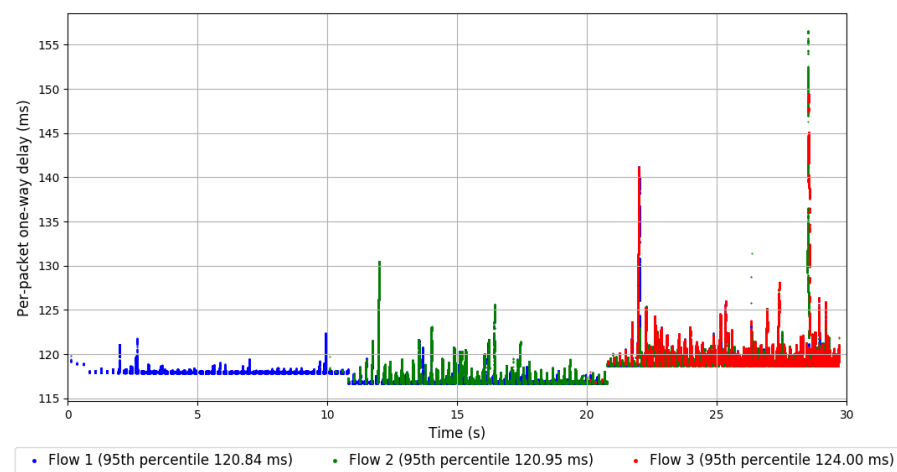
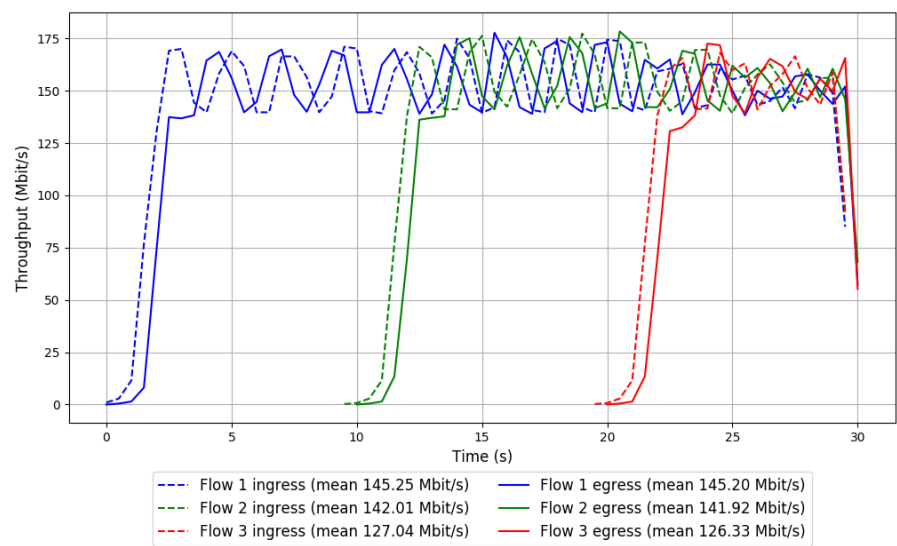


Run 7: Statistics of Indigo

Start at: 2018-05-31 02:15:23
End at: 2018-05-31 02:15:53
Local clock offset: 6.637 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.12 Mbit/s
95th percentile per-packet one-way delay: 121.457 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 145.20 Mbit/s
95th percentile per-packet one-way delay: 120.843 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 141.92 Mbit/s
95th percentile per-packet one-way delay: 120.954 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 126.33 Mbit/s
95th percentile per-packet one-way delay: 124.005 ms
Loss rate: 2.79%

Run 7: Report of Indigo — Data Link

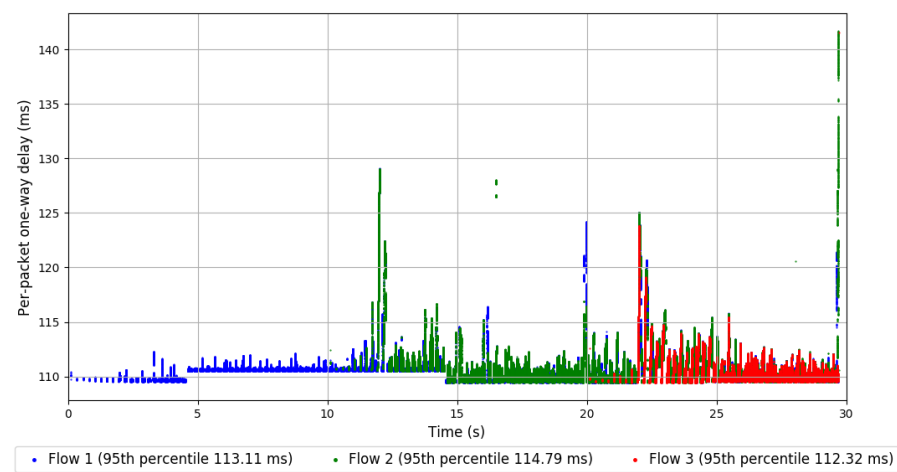
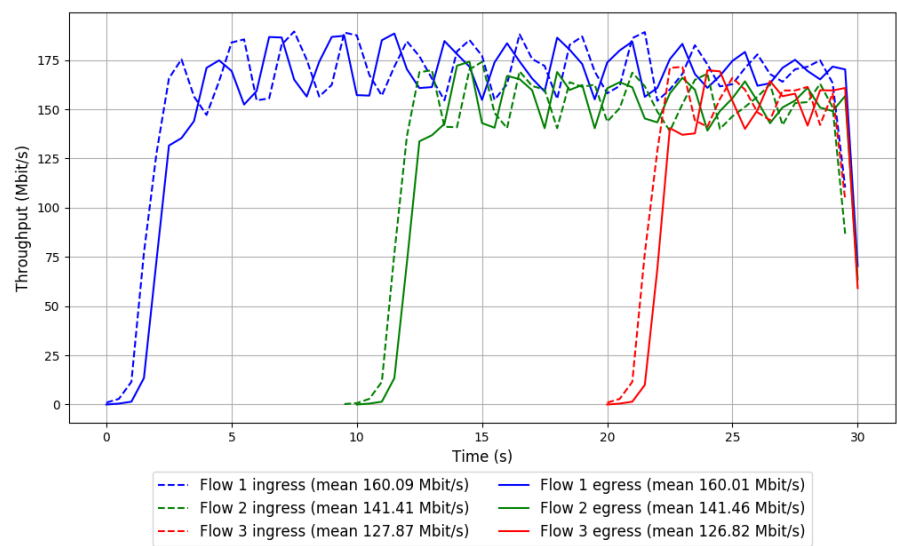


Run 8: Statistics of Indigo

Start at: 2018-05-31 02:39:39
End at: 2018-05-31 02:40:09
Local clock offset: -0.292 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.62 Mbit/s
95th percentile per-packet one-way delay: 113.442 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 160.01 Mbit/s
95th percentile per-packet one-way delay: 113.105 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 141.46 Mbit/s
95th percentile per-packet one-way delay: 114.794 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 126.82 Mbit/s
95th percentile per-packet one-way delay: 112.319 ms
Loss rate: 2.77%

Run 8: Report of Indigo — Data Link

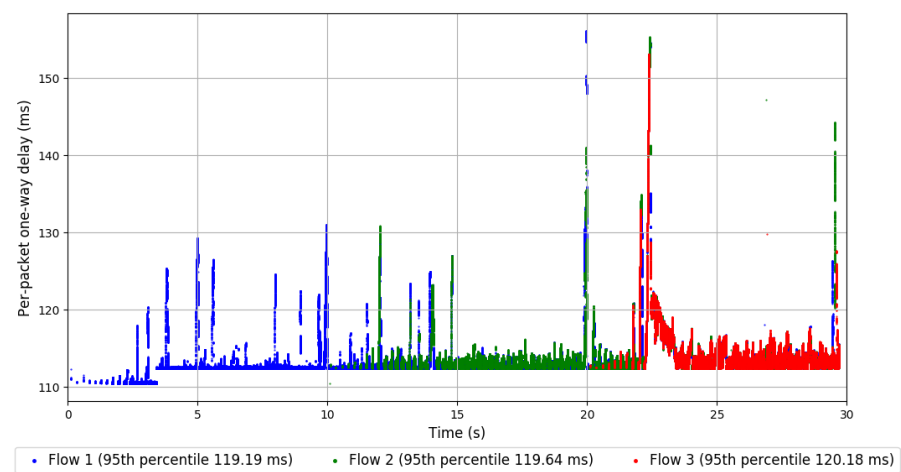
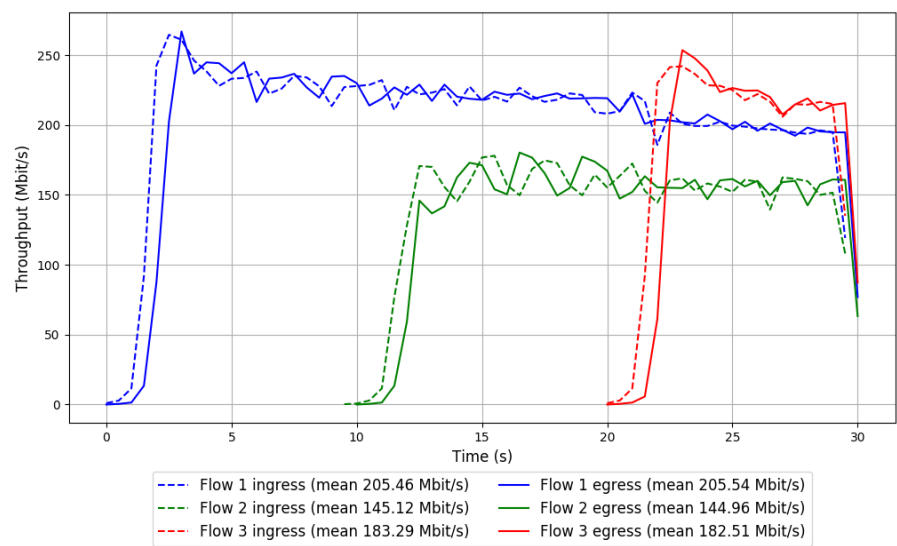


Run 9: Statistics of Indigo

Start at: 2018-05-31 03:03:50
End at: 2018-05-31 03:04:20
Local clock offset: -0.037 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.71 Mbit/s
95th percentile per-packet one-way delay: 119.648 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 205.54 Mbit/s
95th percentile per-packet one-way delay: 119.189 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 144.96 Mbit/s
95th percentile per-packet one-way delay: 119.641 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 182.51 Mbit/s
95th percentile per-packet one-way delay: 120.181 ms
Loss rate: 2.71%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-31 03:28:29

End at: 2018-05-31 03:28:59

Local clock offset: -0.23 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-31 05:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.95 Mbit/s

95th percentile per-packet one-way delay: 114.291 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 148.20 Mbit/s

95th percentile per-packet one-way delay: 113.927 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 142.07 Mbit/s

95th percentile per-packet one-way delay: 114.162 ms

Loss rate: 1.22%

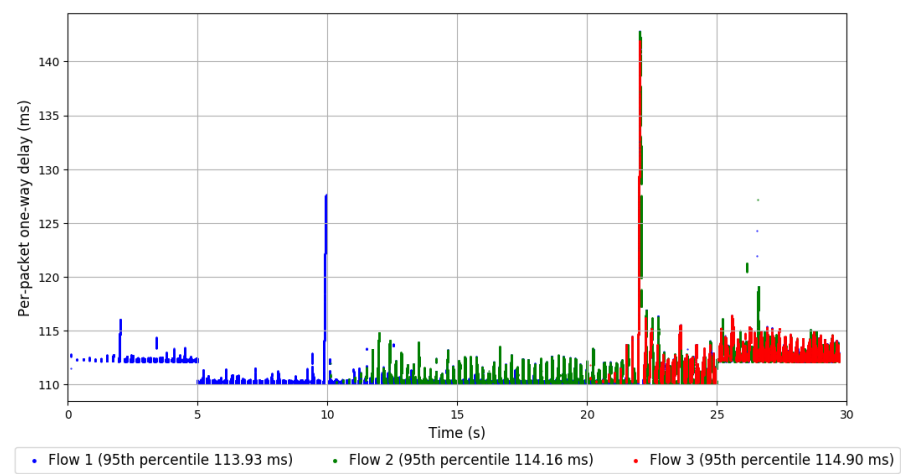
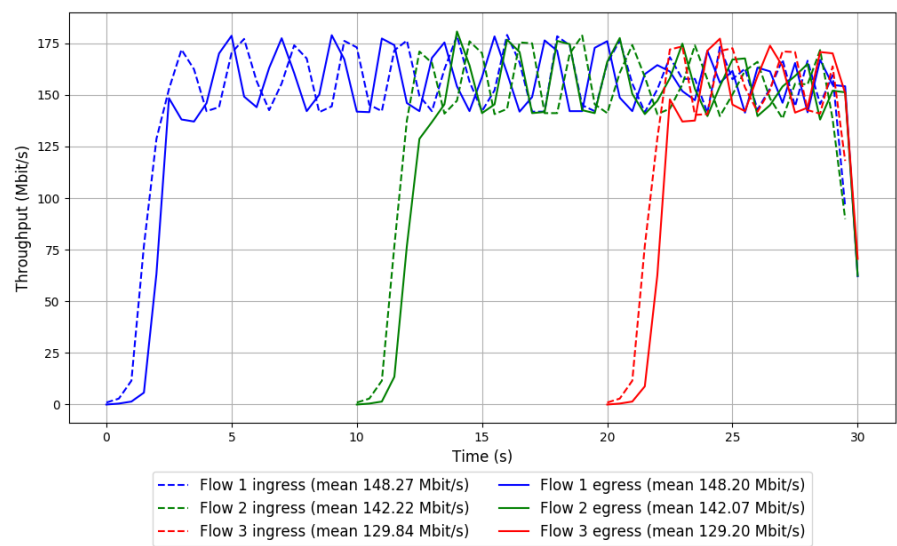
-- Flow 3:

Average throughput: 129.20 Mbit/s

95th percentile per-packet one-way delay: 114.899 ms

Loss rate: 2.76%

Run 10: Report of Indigo — Data Link

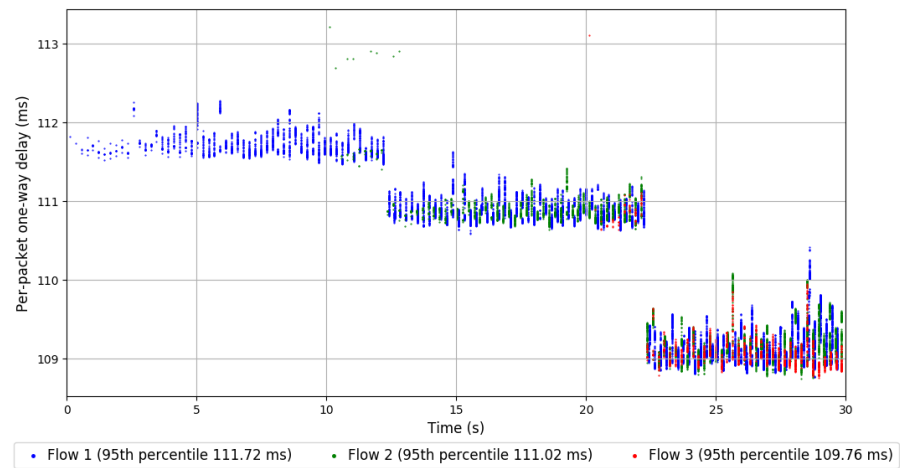
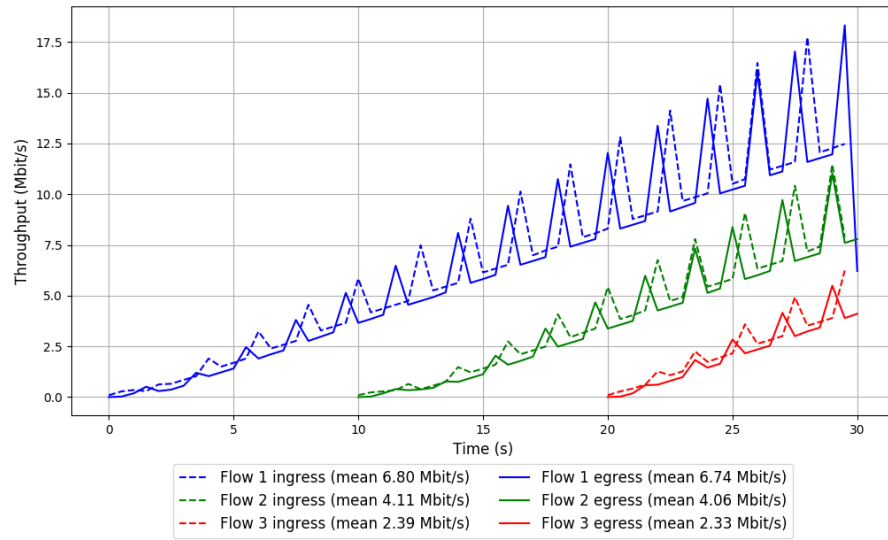


Run 1: Statistics of LEDBAT

Start at: 2018-05-31 00:04:21
End at: 2018-05-31 00:04:51
Local clock offset: -0.038 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 111.655 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 111.718 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 111.015 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 109.759 ms
Loss rate: 4.50%

Run 1: Report of LEDBAT — Data Link

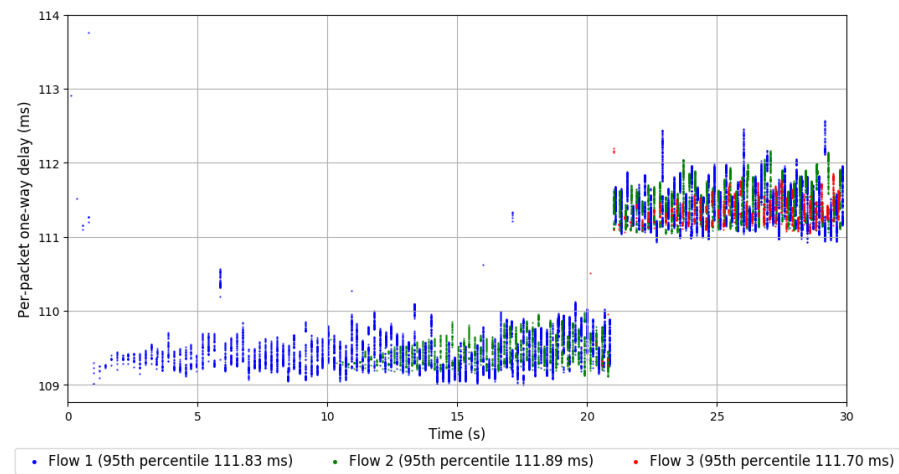
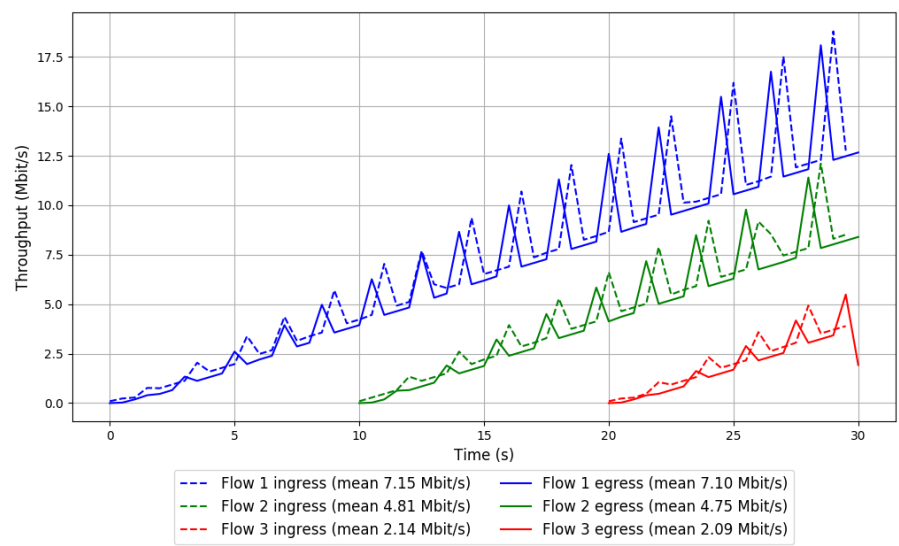


Run 2: Statistics of LEDBAT

Start at: 2018-05-31 00:28:13
End at: 2018-05-31 00:28:43
Local clock offset: 0.13 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 111.859 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 111.829 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 111.890 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 111.701 ms
Loss rate: 4.70%

Run 2: Report of LEDBAT — Data Link

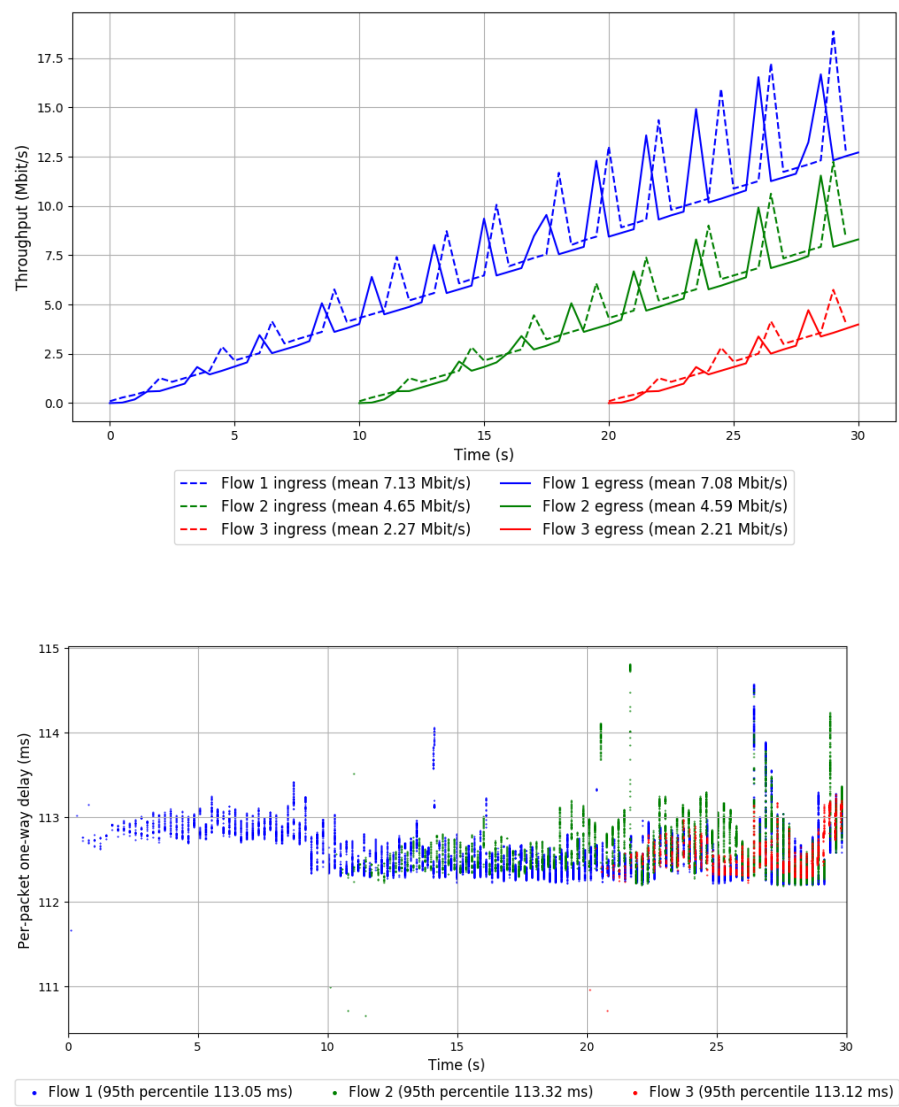


Run 3: Statistics of LEDBAT

Start at: 2018-05-31 00:52:25
End at: 2018-05-31 00:52:55
Local clock offset: -0.244 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 113.163 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 113.049 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 113.322 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 113.122 ms
Loss rate: 4.59%

Run 3: Report of LEDBAT — Data Link

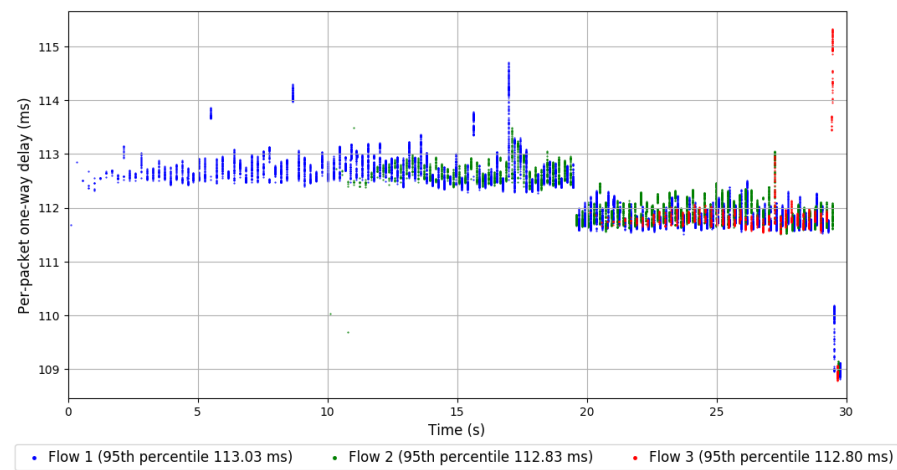
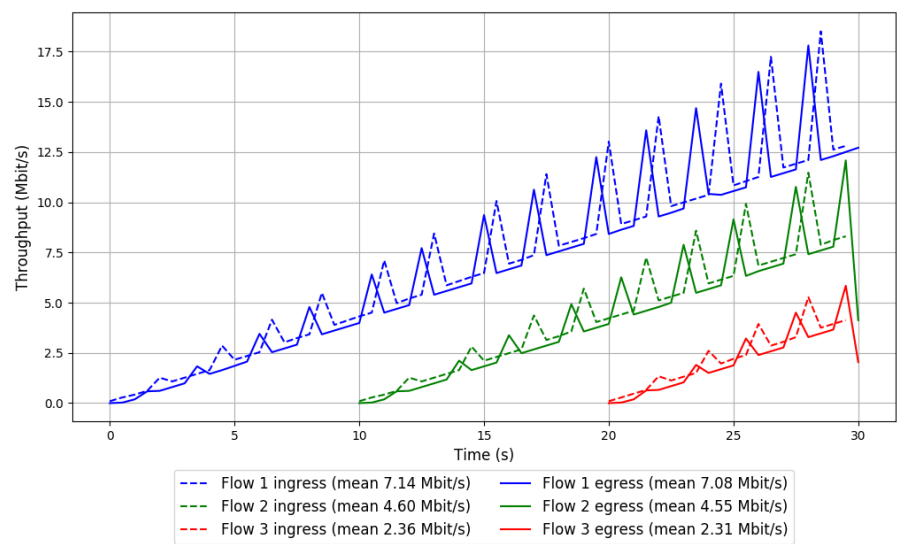


Run 4: Statistics of LEDBAT

Start at: 2018-05-31 01:16:24
End at: 2018-05-31 01:16:54
Local clock offset: -0.039 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 112.968 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 113.032 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 112.831 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 112.804 ms
Loss rate: 4.52%

Run 4: Report of LEDBAT — Data Link

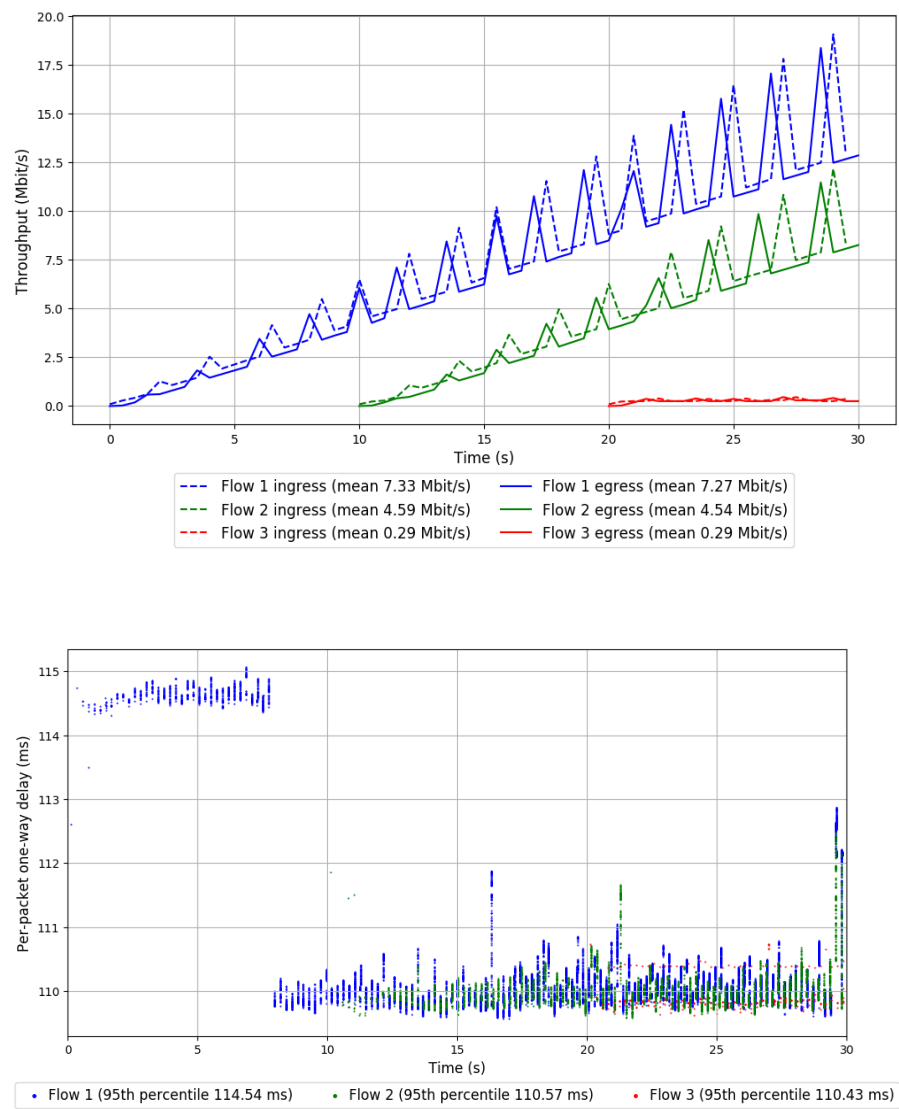


Run 5: Statistics of LEDBAT

Start at: 2018-05-31 01:40:06
End at: 2018-05-31 01:40:36
Local clock offset: -0.084 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 112.529 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 114.537 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 110.574 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 110.431 ms
Loss rate: 2.00%

Run 5: Report of LEDBAT — Data Link

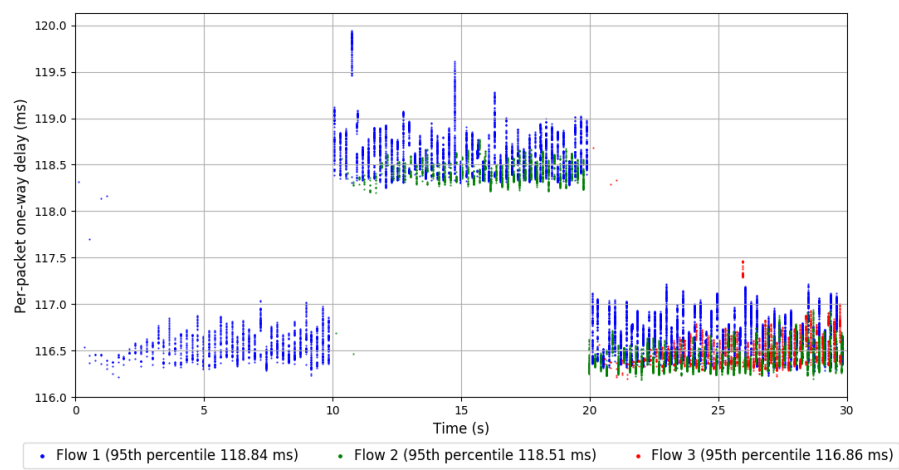
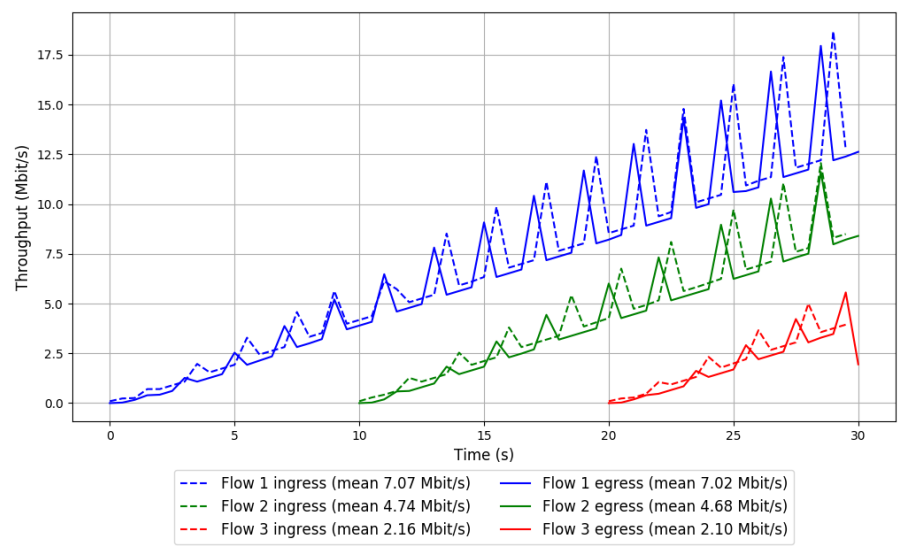


Run 6: Statistics of LEDBAT

Start at: 2018-05-31 02:04:24
End at: 2018-05-31 02:04:54
Local clock offset: 6.555 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 118.776 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 118.836 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 118.506 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 116.865 ms
Loss rate: 4.71%

Run 6: Report of LEDBAT — Data Link

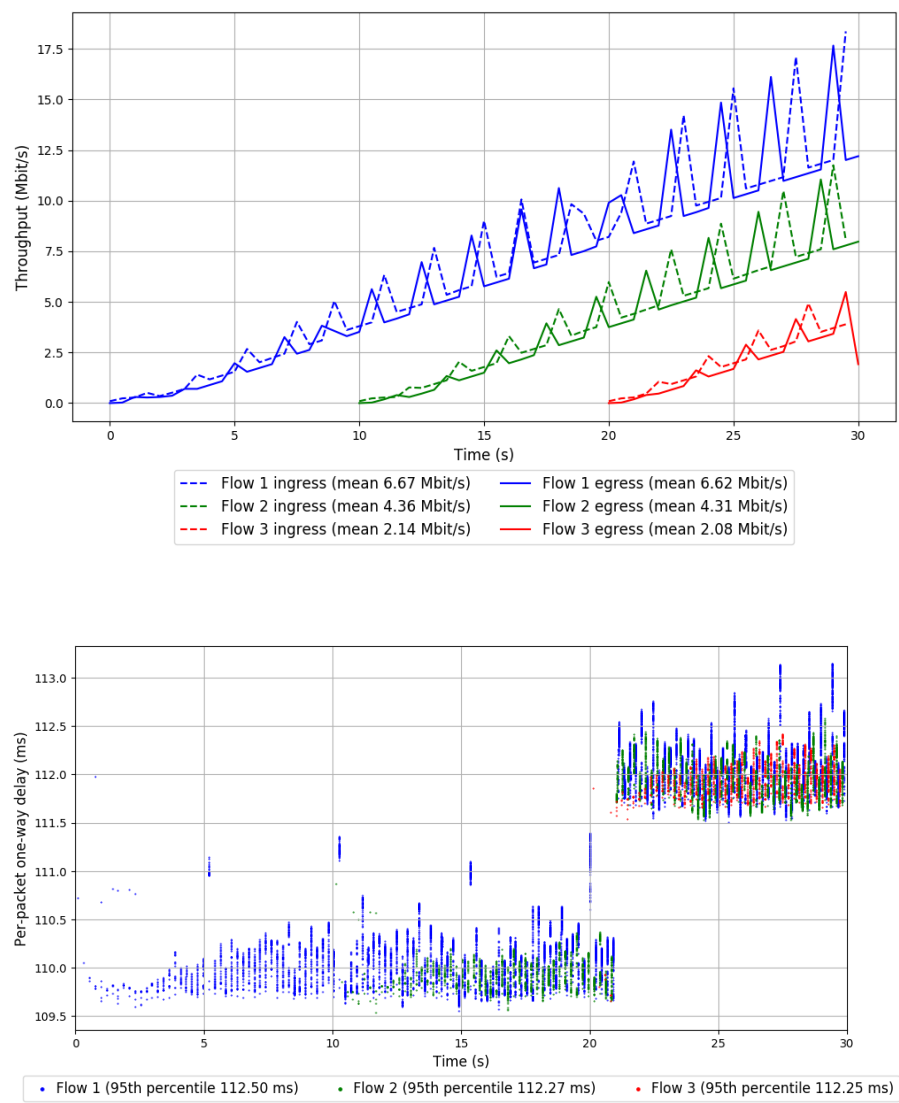


Run 7: Statistics of LEDBAT

Start at: 2018-05-31 02:28:43
End at: 2018-05-31 02:29:13
Local clock offset: -0.218 ms
Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 112.395 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 112.495 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 112.265 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 112.249 ms
Loss rate: 4.71%

Run 7: Report of LEDBAT — Data Link

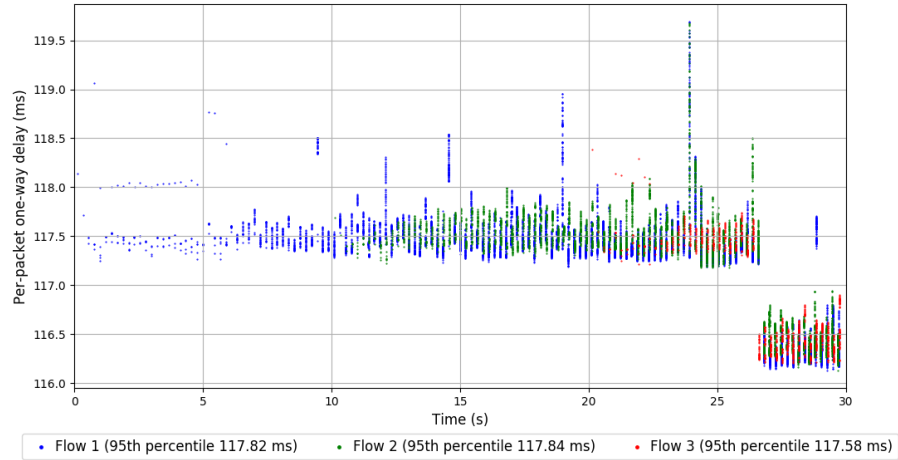
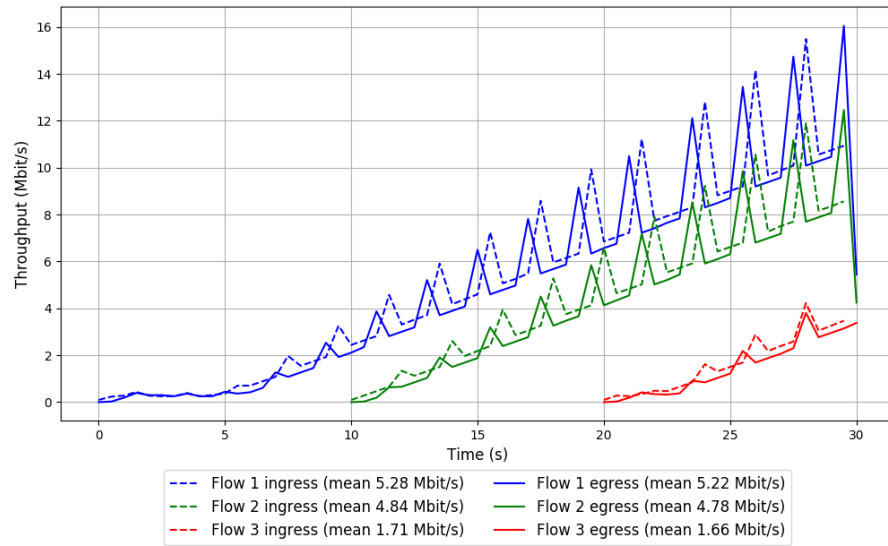


Run 8: Statistics of LEDBAT

Start at: 2018-05-31 02:52:57
End at: 2018-05-31 02:53:27
Local clock offset: 6.424 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 117.804 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 117.816 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 117.836 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 117.584 ms
Loss rate: 5.24%

Run 8: Report of LEDBAT — Data Link

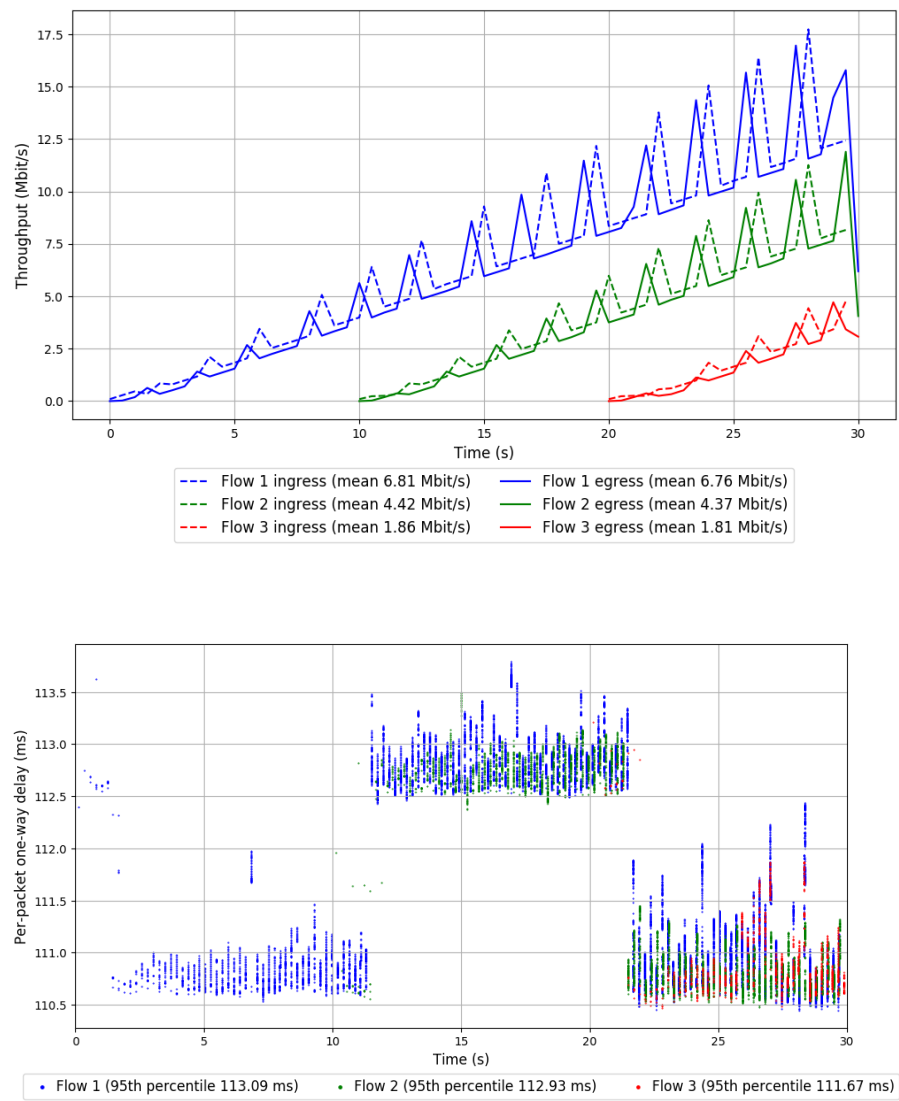


Run 9: Statistics of LEDBAT

Start at: 2018-05-31 03:17:22
End at: 2018-05-31 03:17:52
Local clock offset: -0.077 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 113.039 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 113.094 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 112.930 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 111.673 ms
Loss rate: 4.56%

Run 9: Report of LEDBAT — Data Link

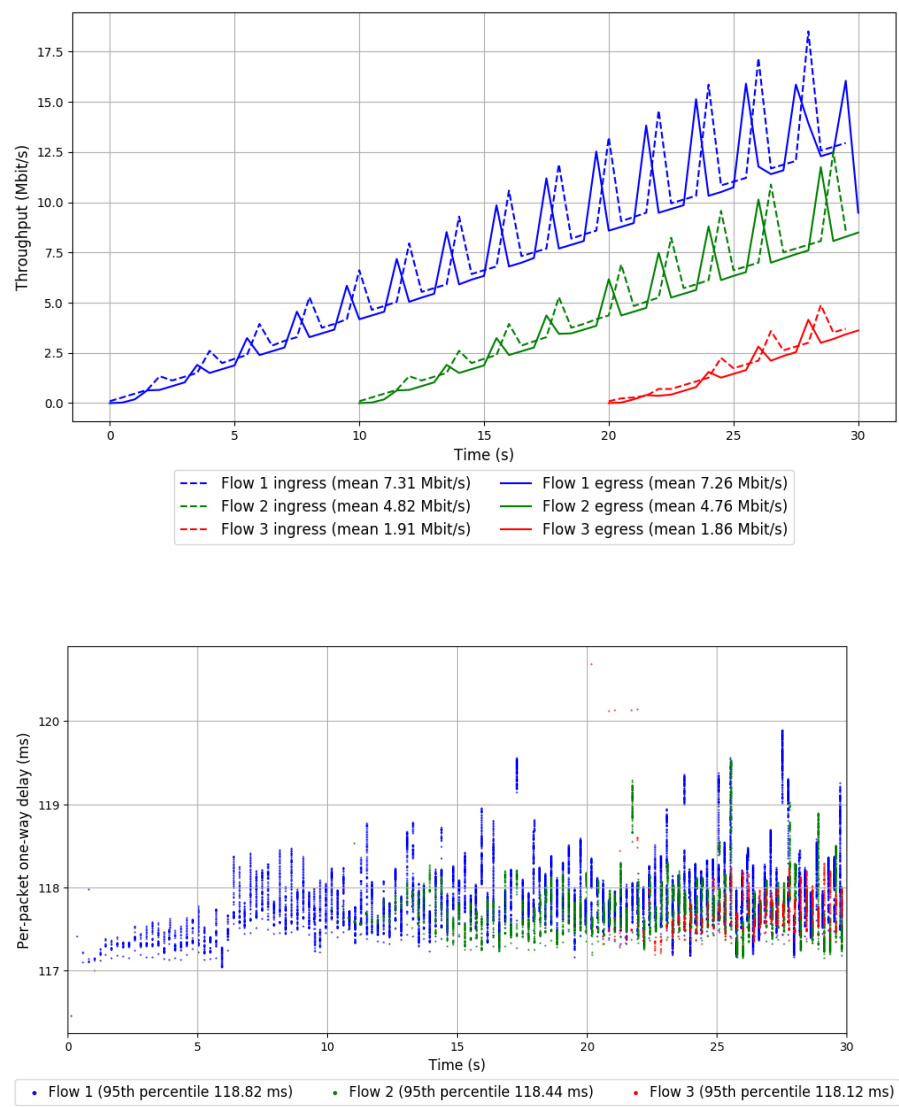


Run 10: Statistics of LEDBAT

Start at: 2018-05-31 03:41:38
End at: 2018-05-31 03:42:08
Local clock offset: 6.497 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 118.661 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 118.818 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 118.444 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 118.125 ms
Loss rate: 4.97%

Run 10: Report of LEDBAT — Data Link

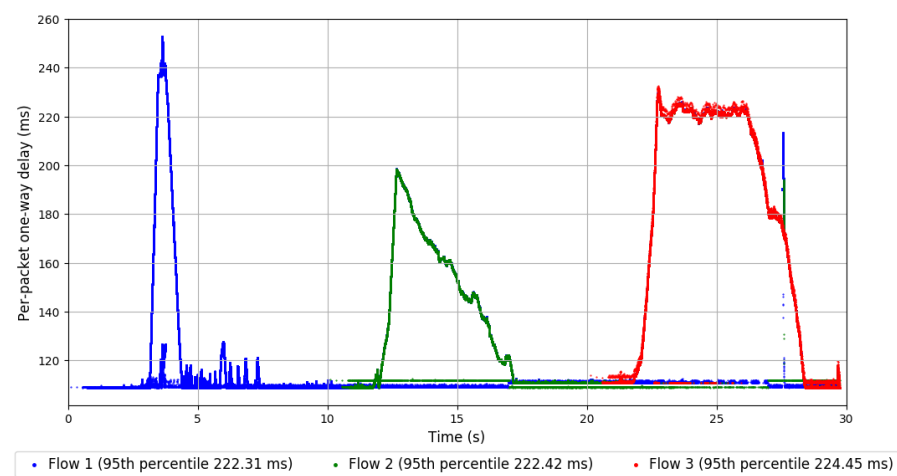
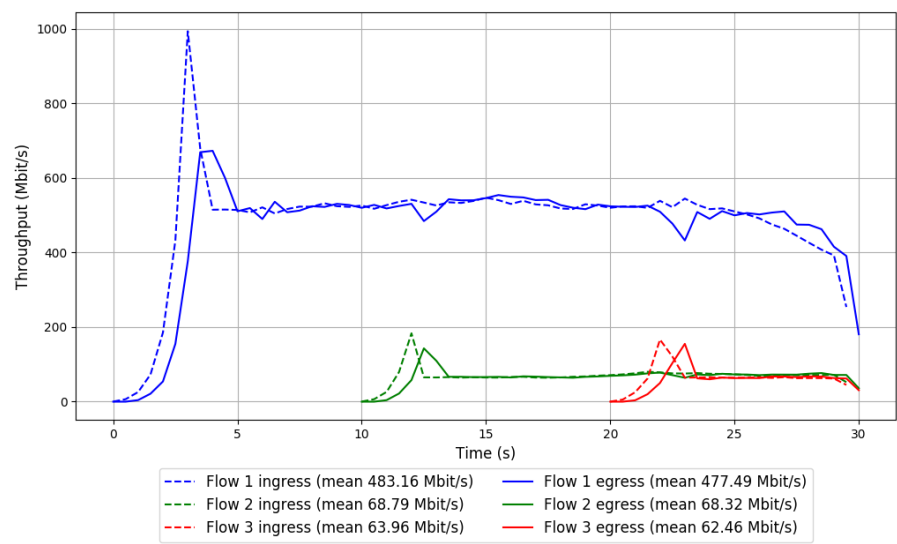


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-30 23:59:57
End at: 2018-05-31 00:00:27
Local clock offset: -0.232 ms
Remote clock offset: -0.473 ms

Below is generated by plot.py at 2018-05-31 05:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 542.75 Mbit/s
95th percentile per-packet one-way delay: 222.416 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 477.49 Mbit/s
95th percentile per-packet one-way delay: 222.313 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 222.418 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 224.451 ms
Loss rate: 4.57%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-31 00:23:56

End at: 2018-05-31 00:24:26

Local clock offset: -0.129 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-05-31 05:04:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 550.91 Mbit/s

95th percentile per-packet one-way delay: 229.248 ms

Loss rate: 2.31%

-- Flow 1:

Average throughput: 509.13 Mbit/s

95th percentile per-packet one-way delay: 229.347 ms

Loss rate: 2.28%

-- Flow 2:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 229.333 ms

Loss rate: 1.95%

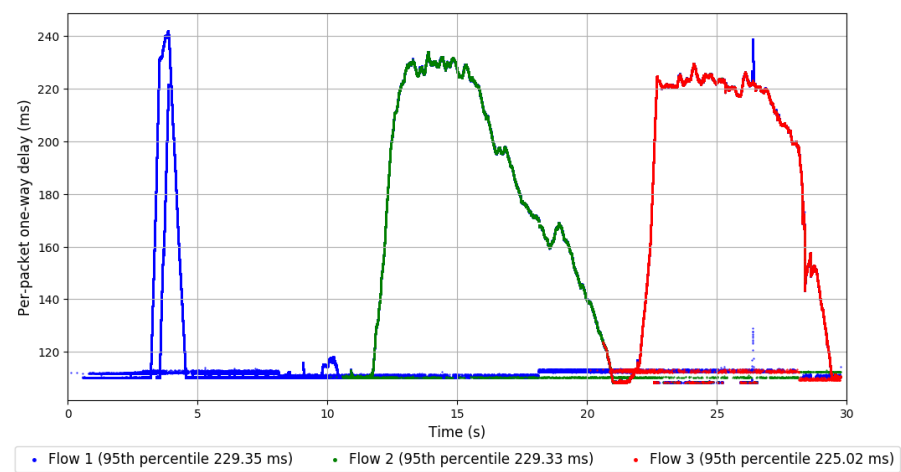
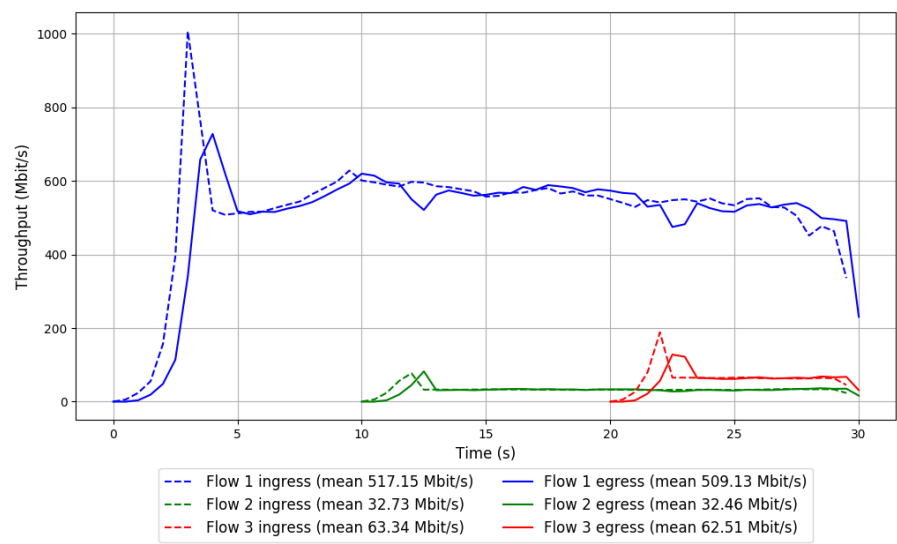
-- Flow 3:

Average throughput: 62.51 Mbit/s

95th percentile per-packet one-way delay: 225.023 ms

Loss rate: 3.55%

Run 2: Report of PCC-Allegro — Data Link

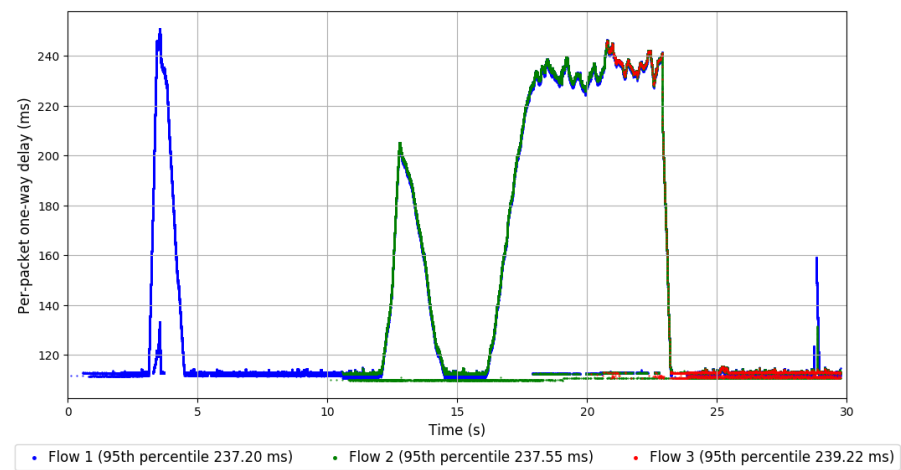
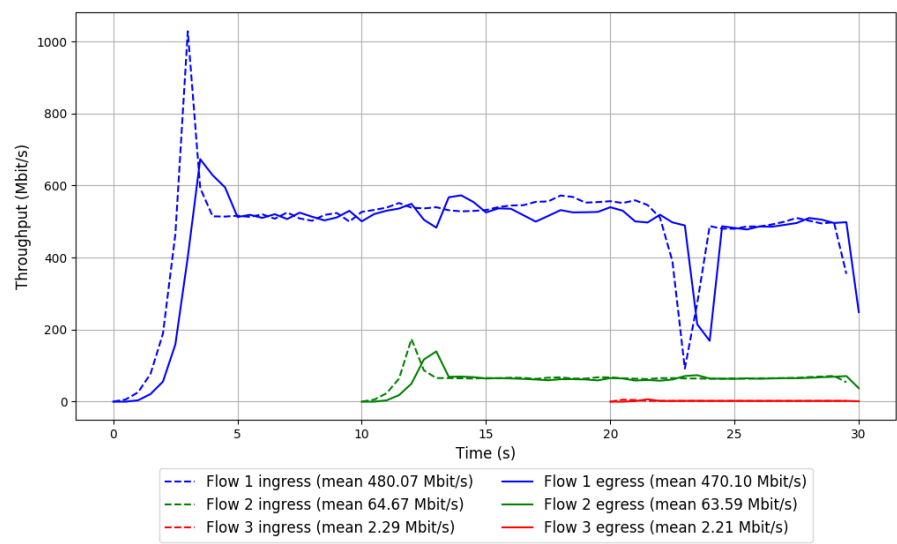


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-31 00:48:03
End at: 2018-05-31 00:48:33
Local clock offset: -0.027 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-31 05:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 512.94 Mbit/s
95th percentile per-packet one-way delay: 237.234 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 470.10 Mbit/s
95th percentile per-packet one-way delay: 237.200 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 63.59 Mbit/s
95th percentile per-packet one-way delay: 237.552 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 239.225 ms
Loss rate: 5.64%

Run 3: Report of PCC-Allegro — Data Link

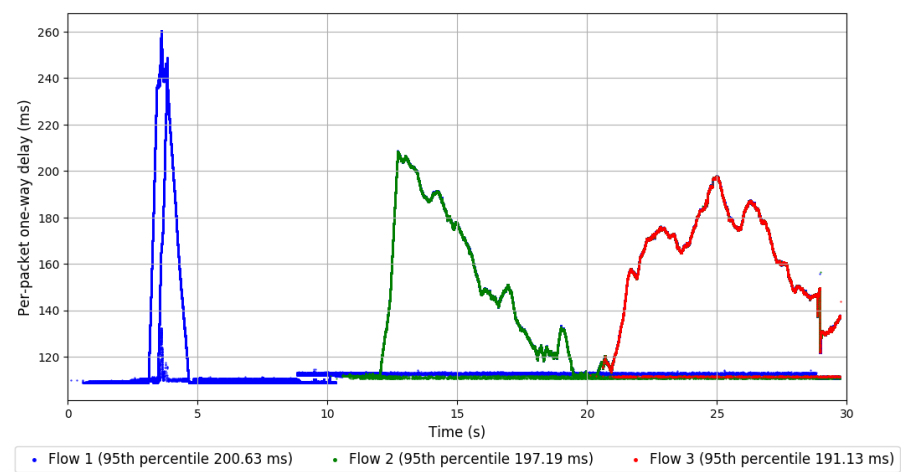
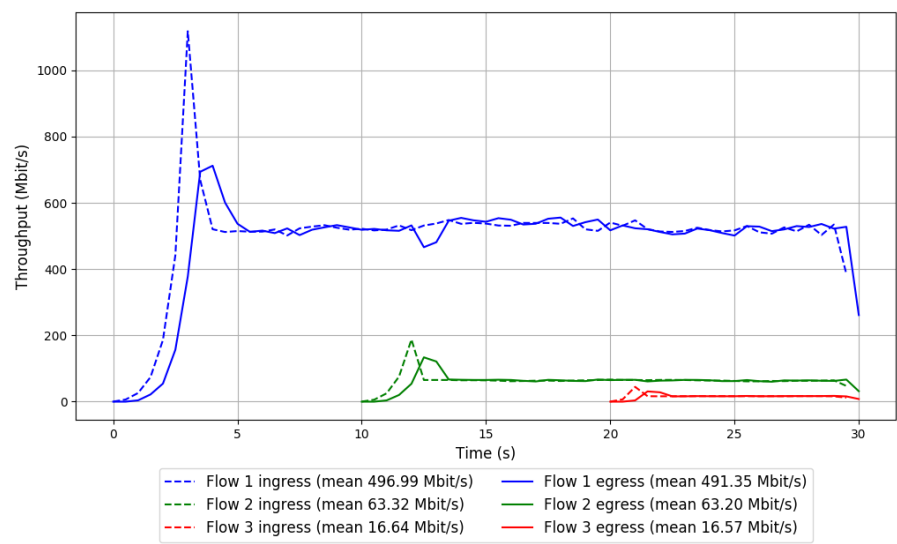


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-31 01:12:13
End at: 2018-05-31 01:12:43
Local clock offset: -0.102 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-05-31 05:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.49 Mbit/s
95th percentile per-packet one-way delay: 200.291 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 491.35 Mbit/s
95th percentile per-packet one-way delay: 200.627 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 63.20 Mbit/s
95th percentile per-packet one-way delay: 197.194 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 191.132 ms
Loss rate: 2.57%

Run 4: Report of PCC-Allegro — Data Link

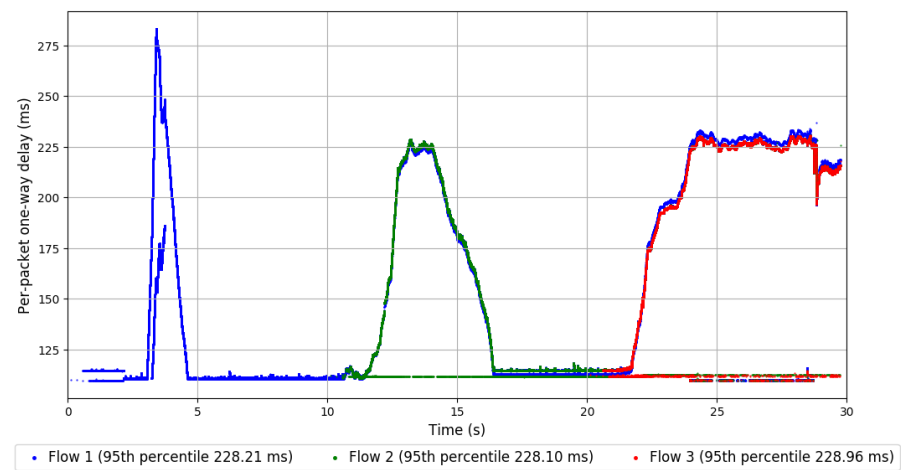
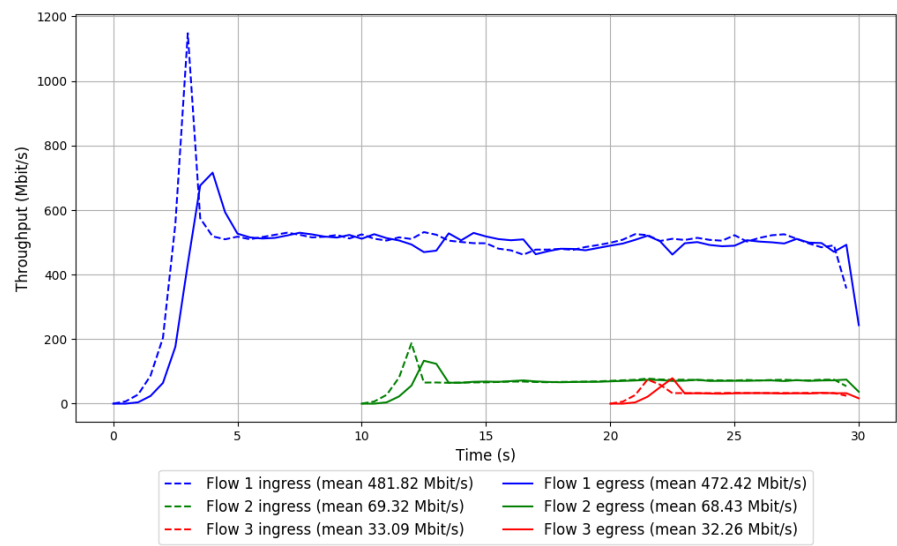


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-31 01:36:02
End at: 2018-05-31 01:36:32
Local clock offset: 0.017 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-31 05:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.08 Mbit/s
95th percentile per-packet one-way delay: 228.227 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 472.42 Mbit/s
95th percentile per-packet one-way delay: 228.213 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 228.097 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 228.963 ms
Loss rate: 4.72%

Run 5: Report of PCC-Allegro — Data Link

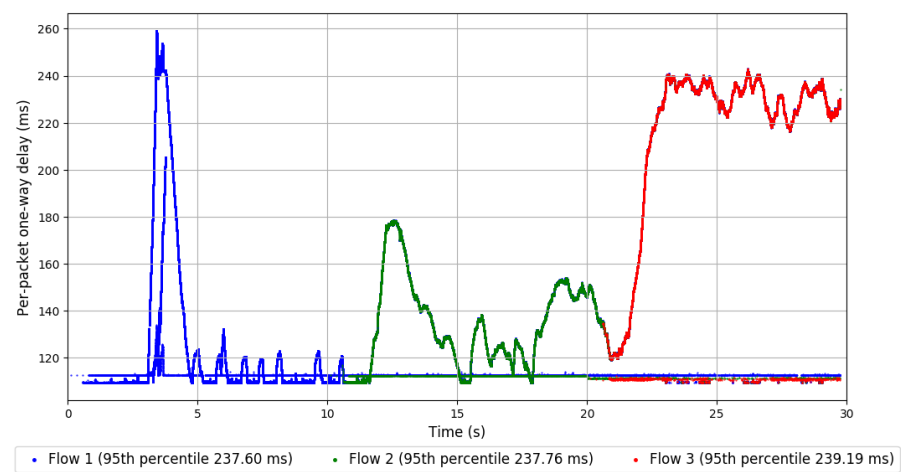
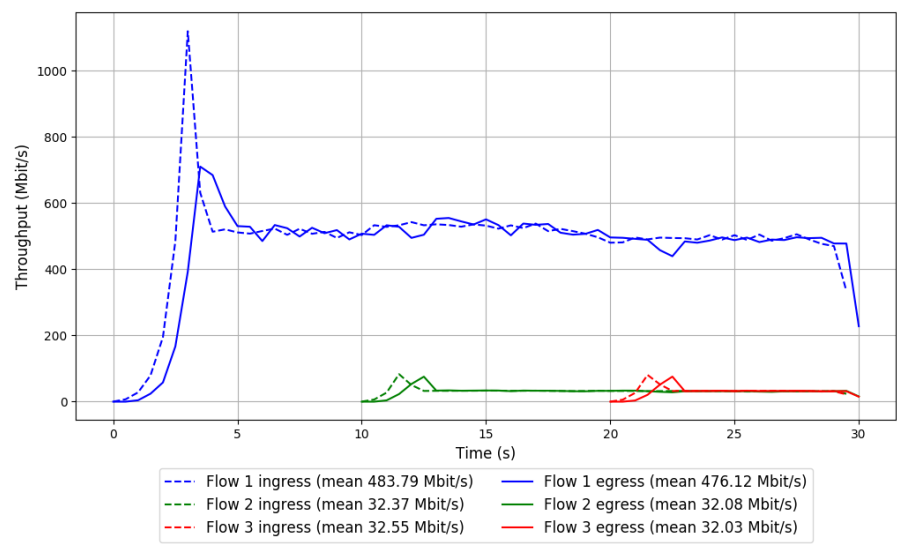


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-31 02:00:04
End at: 2018-05-31 02:00:34
Local clock offset: -0.106 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-31 05:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.70 Mbit/s
95th percentile per-packet one-way delay: 237.693 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 476.12 Mbit/s
95th percentile per-packet one-way delay: 237.599 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 237.757 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 239.190 ms
Loss rate: 3.79%

Run 6: Report of PCC-Allegro — Data Link

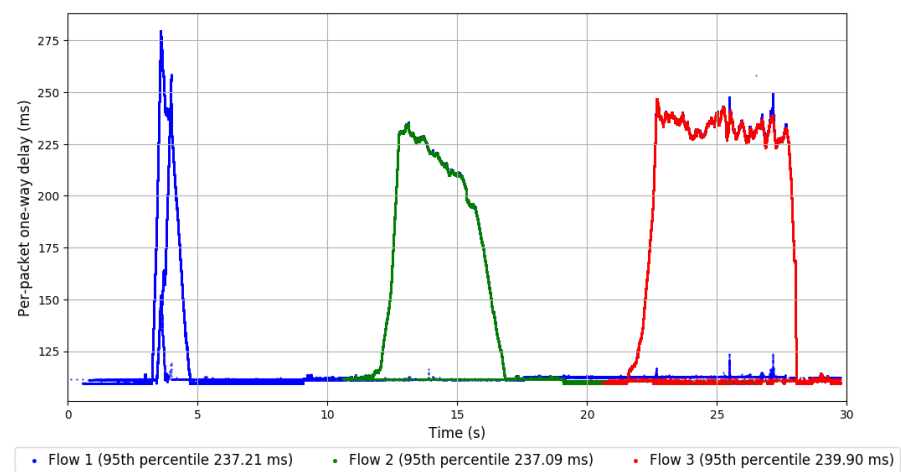
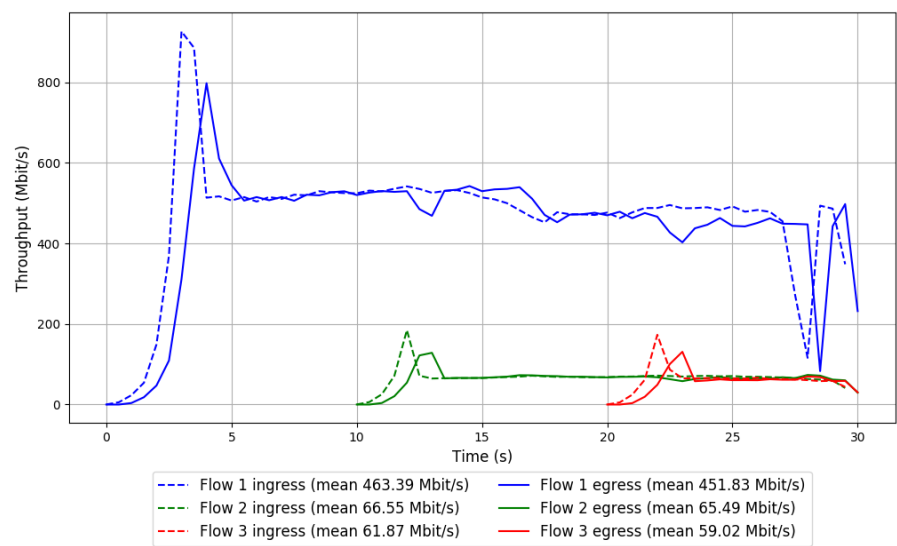


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-31 02:24:15
End at: 2018-05-31 02:24:45
Local clock offset: -0.248 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-31 05:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.36 Mbit/s
95th percentile per-packet one-way delay: 237.437 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 451.83 Mbit/s
95th percentile per-packet one-way delay: 237.212 ms
Loss rate: 3.23%
-- Flow 2:
Average throughput: 65.49 Mbit/s
95th percentile per-packet one-way delay: 237.088 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 59.02 Mbit/s
95th percentile per-packet one-way delay: 239.899 ms
Loss rate: 6.77%

Run 7: Report of PCC-Allegro — Data Link

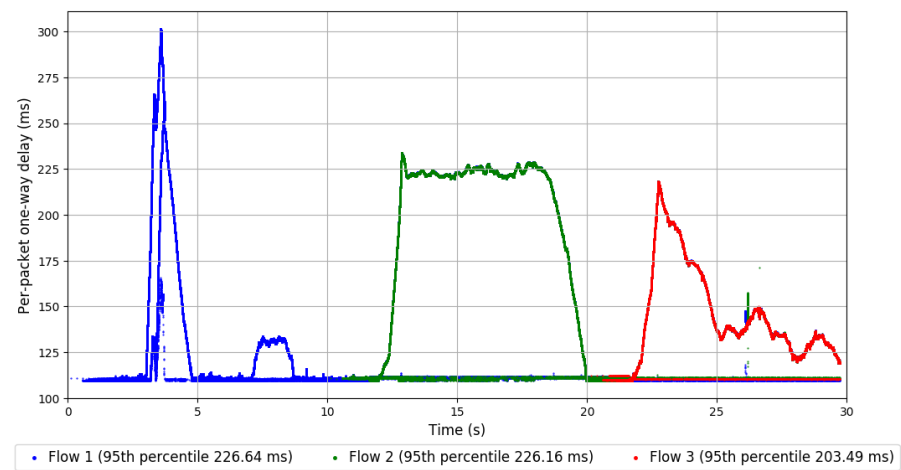
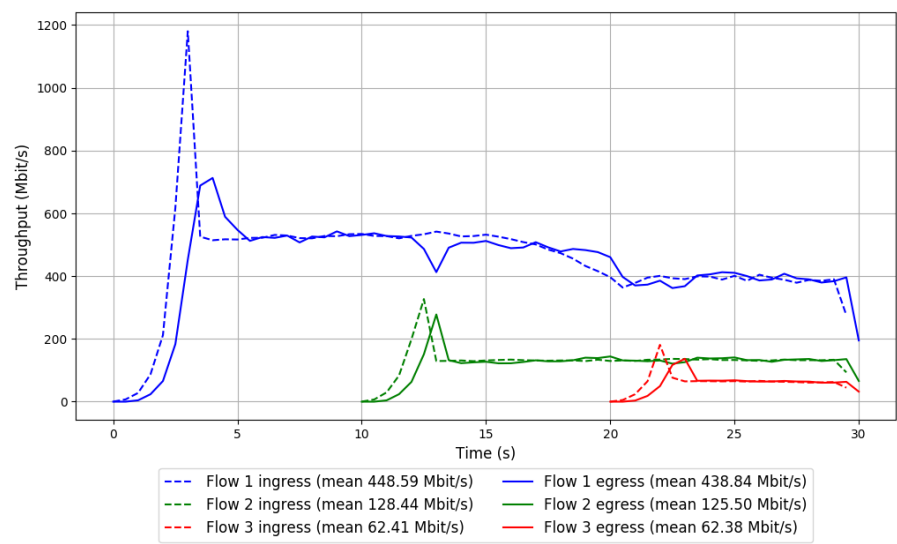


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-31 02:48:22
End at: 2018-05-31 02:48:52
Local clock offset: -0.106 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-31 05:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 542.16 Mbit/s
95th percentile per-packet one-way delay: 226.335 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 438.84 Mbit/s
95th percentile per-packet one-way delay: 226.644 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 125.50 Mbit/s
95th percentile per-packet one-way delay: 226.156 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 62.38 Mbit/s
95th percentile per-packet one-way delay: 203.485 ms
Loss rate: 2.32%

Run 8: Report of PCC-Allegro — Data Link

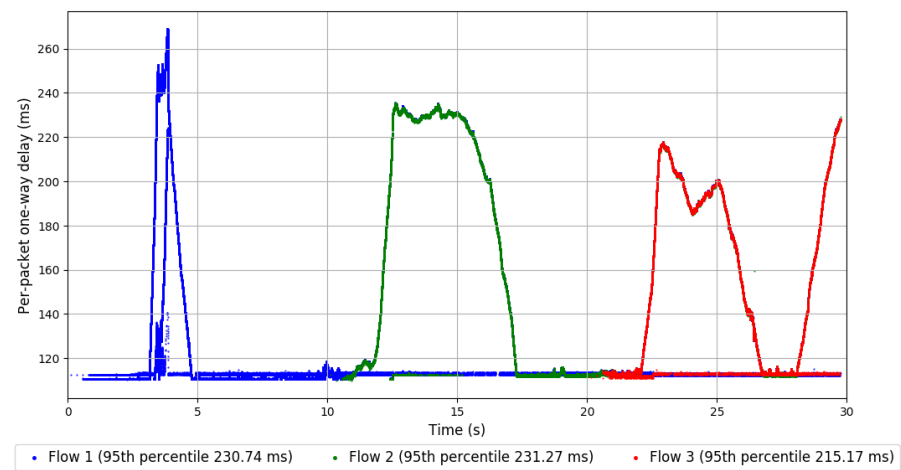
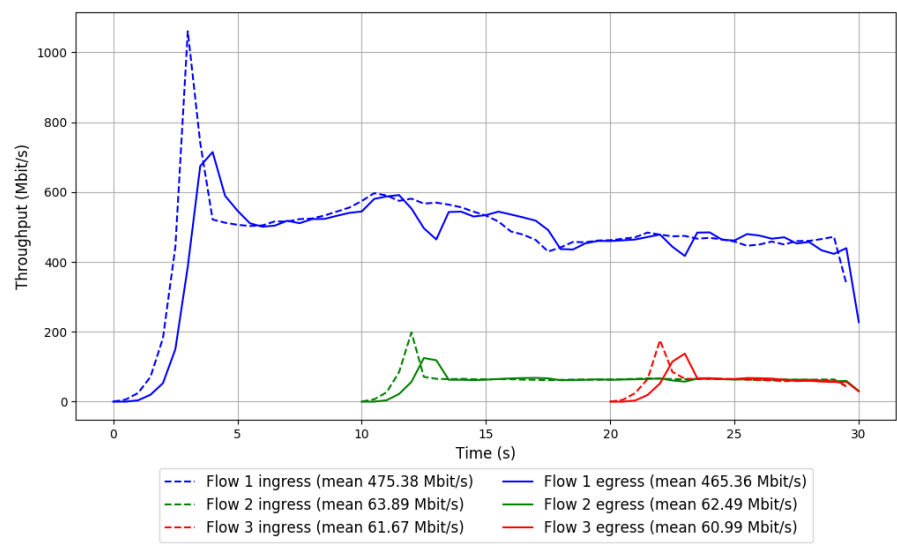


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-31 03:12:51
End at: 2018-05-31 03:13:21
Local clock offset: -0.092 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-31 05:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 526.51 Mbit/s
95th percentile per-packet one-way delay: 230.714 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 465.36 Mbit/s
95th percentile per-packet one-way delay: 230.740 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 62.49 Mbit/s
95th percentile per-packet one-way delay: 231.268 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 215.169 ms
Loss rate: 3.36%

Run 9: Report of PCC-Allegro — Data Link

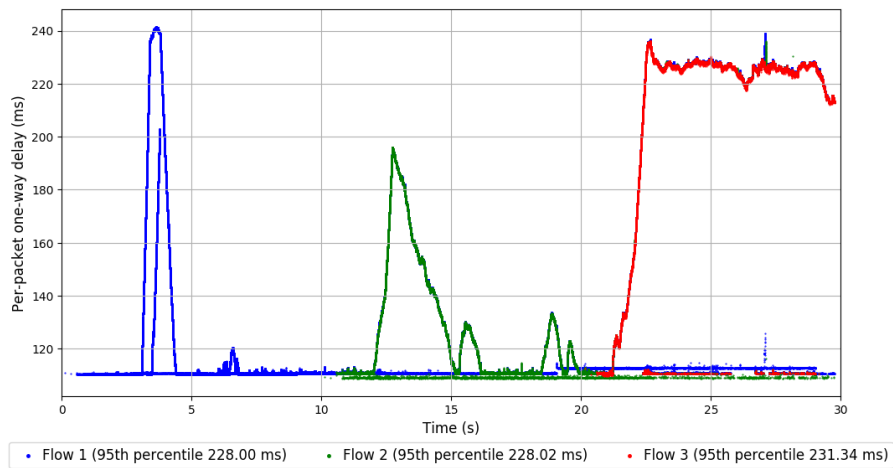
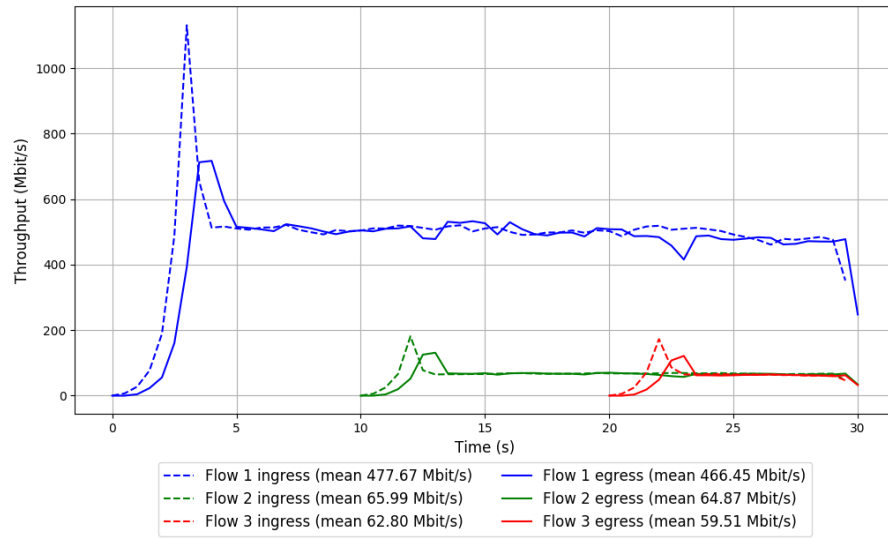


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-31 03:37:15
End at: 2018-05-31 03:37:45
Local clock offset: -0.043 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-31 05:04:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.70 Mbit/s
95th percentile per-packet one-way delay: 228.092 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 466.45 Mbit/s
95th percentile per-packet one-way delay: 228.000 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 228.020 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 231.340 ms
Loss rate: 7.42%

Run 10: Report of PCC-Allegro — Data Link

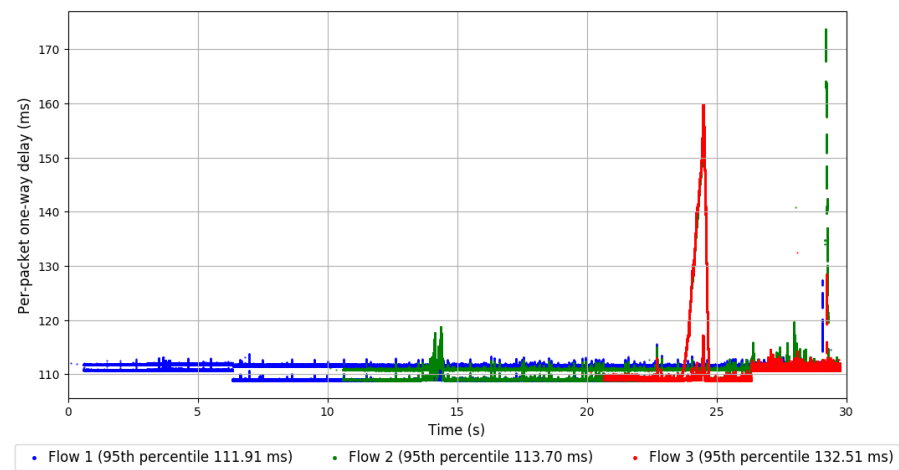
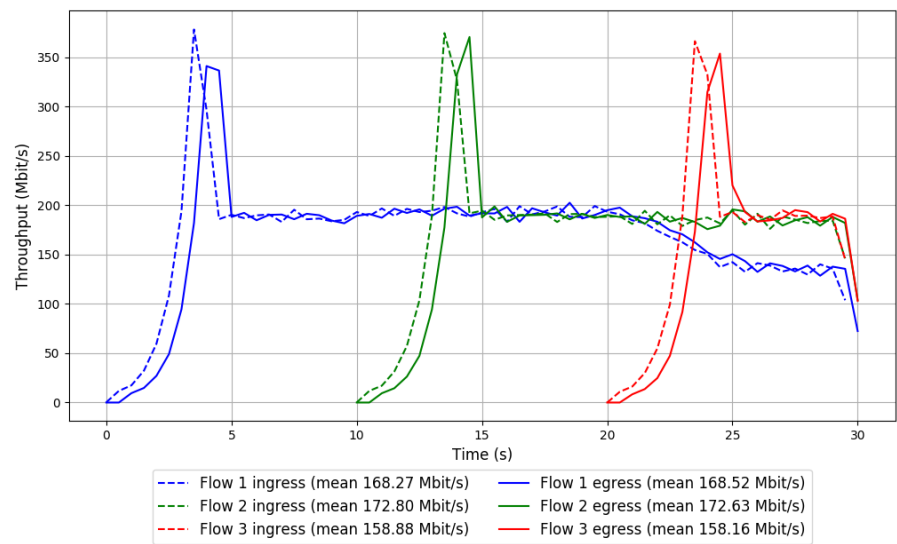


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-30 23:52:47
End at: 2018-05-30 23:53:17
Local clock offset: -0.152 ms
Remote clock offset: -0.395 ms

# Below is generated by plot.py at 2018-05-31 05:06:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 334.32 Mbit/s
95th percentile per-packet one-way delay: 112.551 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 168.52 Mbit/s
95th percentile per-packet one-way delay: 111.912 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 172.63 Mbit/s
95th percentile per-packet one-way delay: 113.696 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 158.16 Mbit/s
95th percentile per-packet one-way delay: 132.513 ms
Loss rate: 2.68%
```

Run 1: Report of PCC-Expr — Data Link

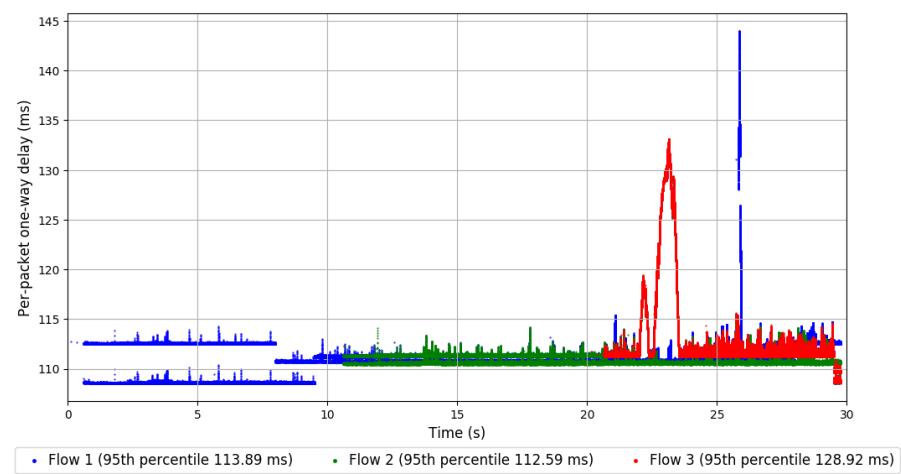
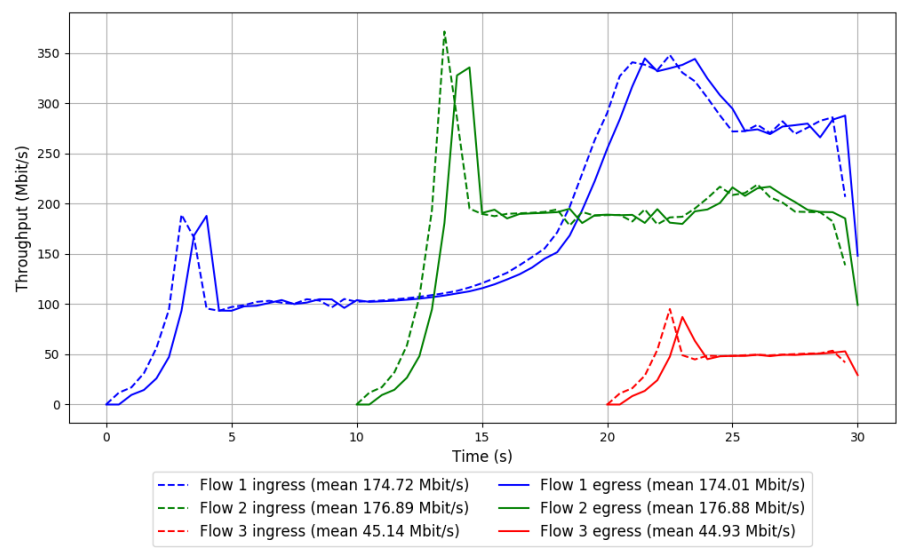


```
Run 2: Statistics of PCC-Expr

Start at: 2018-05-31 00:16:44
End at: 2018-05-31 00:17:14
Local clock offset: -0.217 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-05-31 05:06:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.81 Mbit/s
95th percentile per-packet one-way delay: 114.042 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 174.01 Mbit/s
95th percentile per-packet one-way delay: 113.888 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 176.88 Mbit/s
95th percentile per-packet one-way delay: 112.589 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 128.922 ms
Loss rate: 2.70%
```

Run 2: Report of PCC-Expr — Data Link

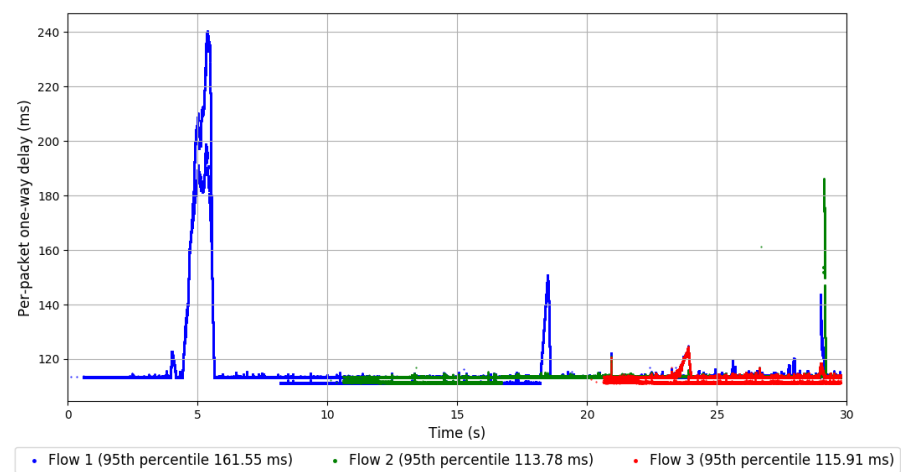
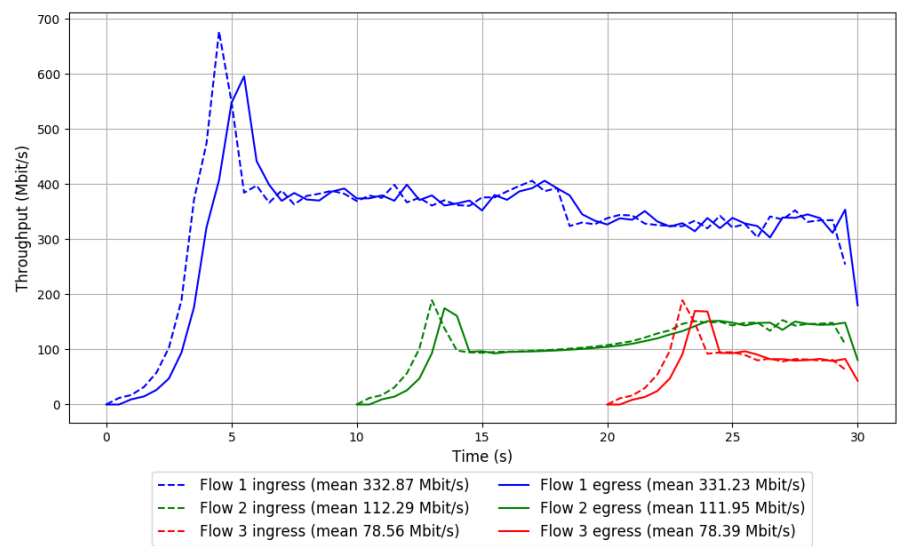


Run 3: Statistics of PCC-Expr

Start at: 2018-05-31 00:40:45
End at: 2018-05-31 00:41:15
Local clock offset: 0.011 ms
Remote clock offset: -0.427 ms

Below is generated by plot.py at 2018-05-31 05:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.86 Mbit/s
95th percentile per-packet one-way delay: 138.288 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 331.23 Mbit/s
95th percentile per-packet one-way delay: 161.549 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 111.95 Mbit/s
95th percentile per-packet one-way delay: 113.784 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: 115.909 ms
Loss rate: 2.47%

Run 3: Report of PCC-Expr — Data Link

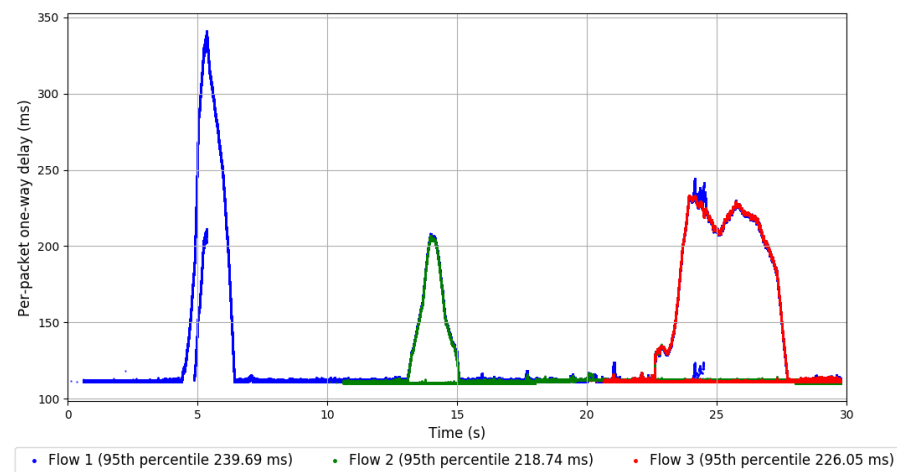
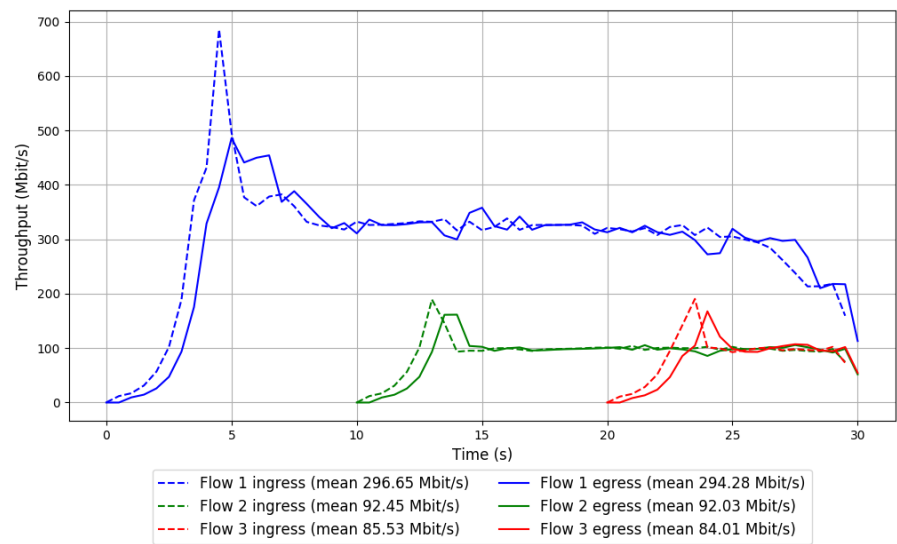


Run 4: Statistics of PCC-Expr

Start at: 2018-05-31 01:04:54
End at: 2018-05-31 01:05:24
Local clock offset: -0.22 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-31 05:15:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.54 Mbit/s
95th percentile per-packet one-way delay: 231.279 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 294.28 Mbit/s
95th percentile per-packet one-way delay: 239.689 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 218.735 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 226.054 ms
Loss rate: 4.00%

Run 4: Report of PCC-Expr — Data Link

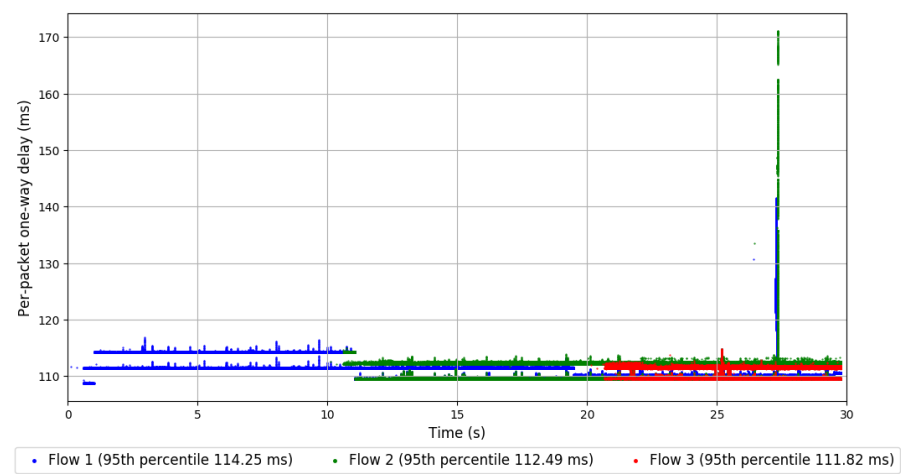
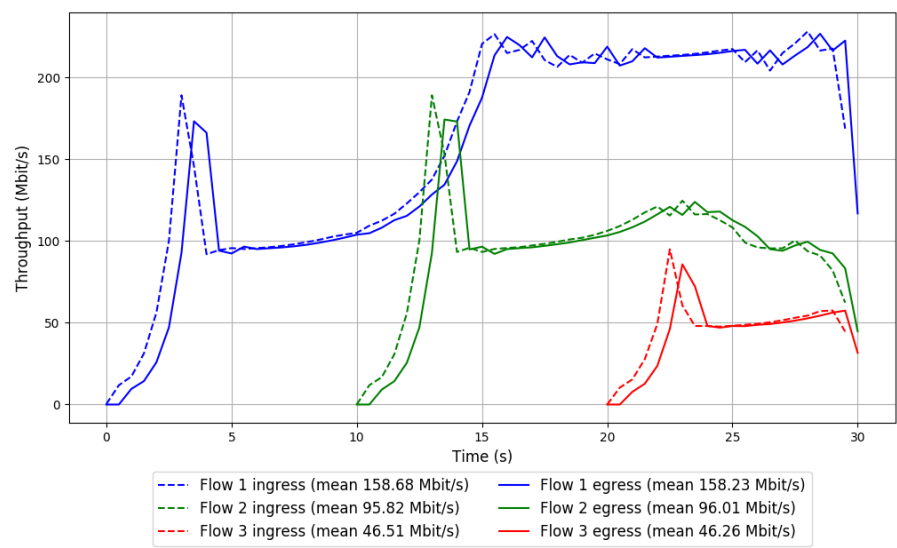


Run 5: Statistics of PCC-Expr

Start at: 2018-05-31 01:29:03
End at: 2018-05-31 01:29:33
Local clock offset: -0.132 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-31 05:15:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.87 Mbit/s
95th percentile per-packet one-way delay: 114.228 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 158.23 Mbit/s
95th percentile per-packet one-way delay: 114.247 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 112.488 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 46.26 Mbit/s
95th percentile per-packet one-way delay: 111.823 ms
Loss rate: 2.80%

Run 5: Report of PCC-Expr — Data Link

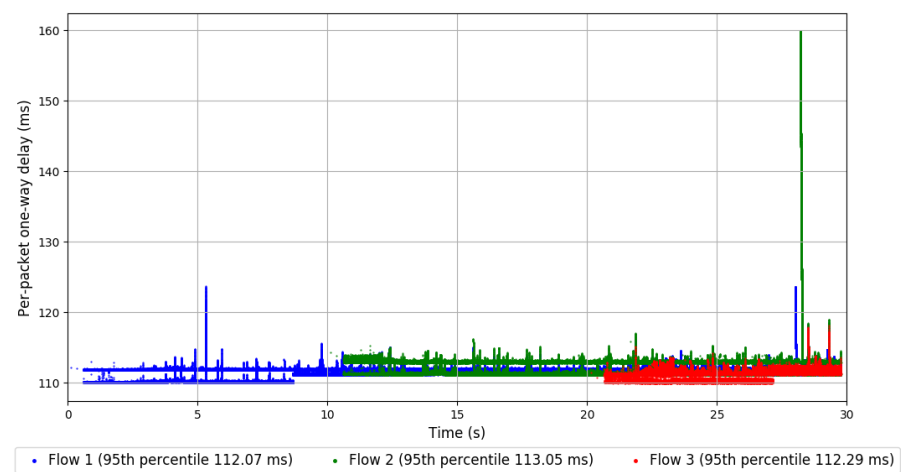
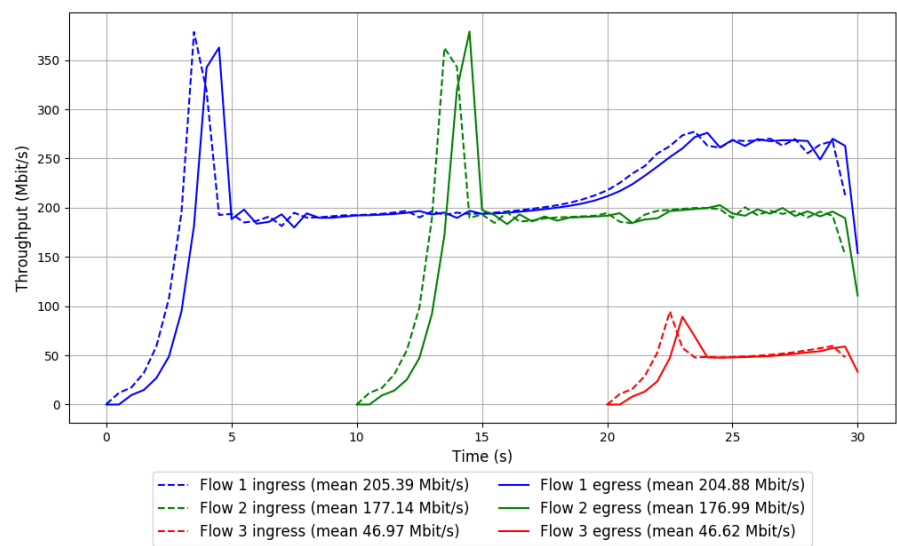


Run 6: Statistics of PCC-Expr

Start at: 2018-05-31 01:52:45
End at: 2018-05-31 01:53:15
Local clock offset: -0.02 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-05-31 05:15:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.28 Mbit/s
95th percentile per-packet one-way delay: 112.992 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 204.88 Mbit/s
95th percentile per-packet one-way delay: 112.071 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 176.99 Mbit/s
95th percentile per-packet one-way delay: 113.054 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 112.290 ms
Loss rate: 3.04%

Run 6: Report of PCC-Expr — Data Link

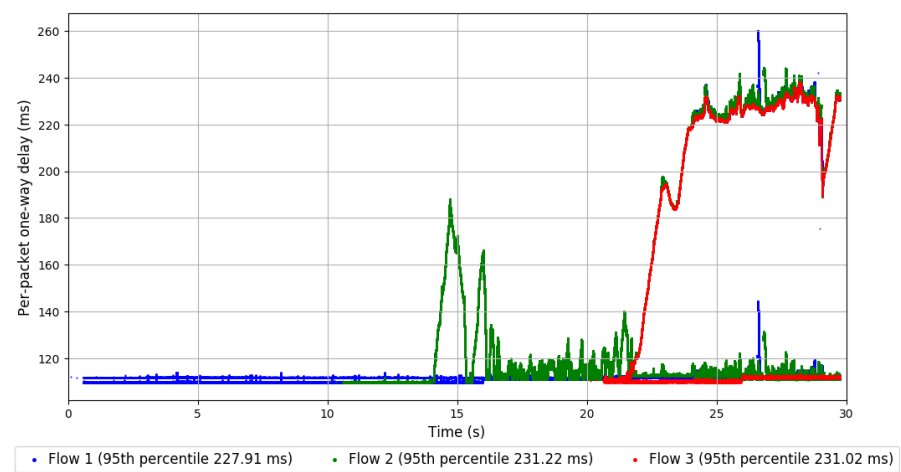
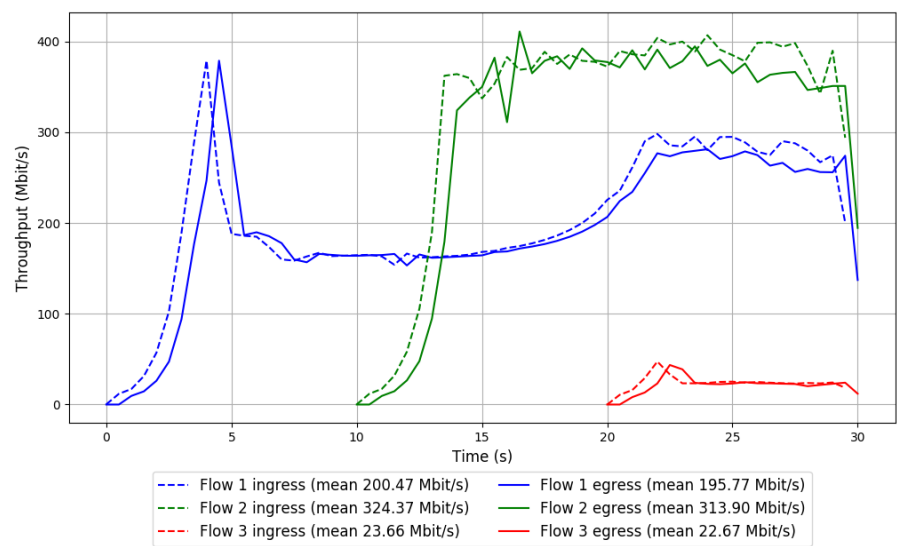


Run 7: Statistics of PCC-Expr

Start at: 2018-05-31 02:16:58
End at: 2018-05-31 02:17:28
Local clock offset: -0.019 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-31 05:17:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.14 Mbit/s
95th percentile per-packet one-way delay: 230.243 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 195.77 Mbit/s
95th percentile per-packet one-way delay: 227.913 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 313.90 Mbit/s
95th percentile per-packet one-way delay: 231.220 ms
Loss rate: 4.31%
-- Flow 3:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 231.023 ms
Loss rate: 6.36%

Run 7: Report of PCC-Expr — Data Link

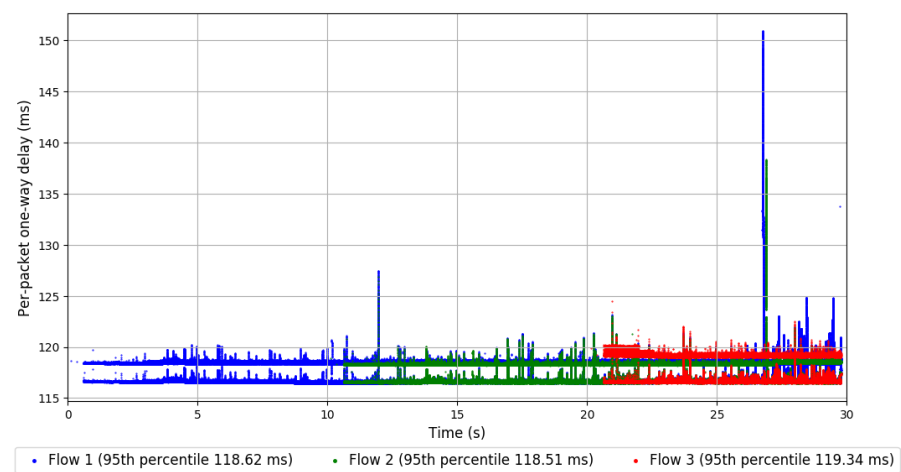
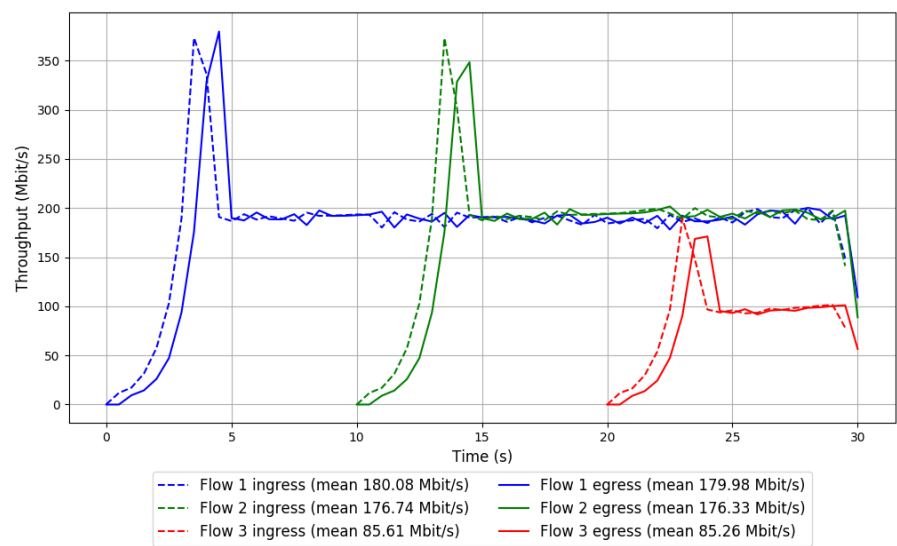


Run 8: Statistics of PCC-Expr

Start at: 2018-05-31 02:41:15
End at: 2018-05-31 02:41:45
Local clock offset: 6.32 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-05-31 05:17:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.52 Mbit/s
95th percentile per-packet one-way delay: 119.070 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 179.98 Mbit/s
95th percentile per-packet one-way delay: 118.624 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 176.33 Mbit/s
95th percentile per-packet one-way delay: 118.514 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 119.338 ms
Loss rate: 2.69%

Run 8: Report of PCC-Expr — Data Link

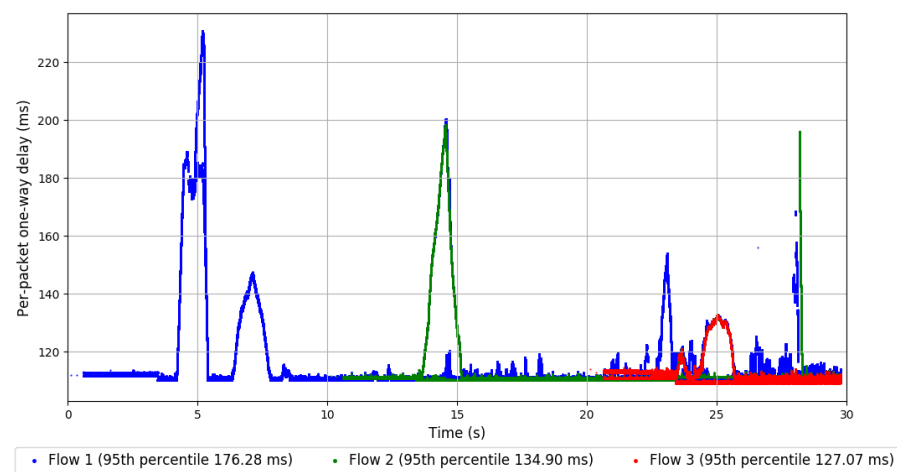
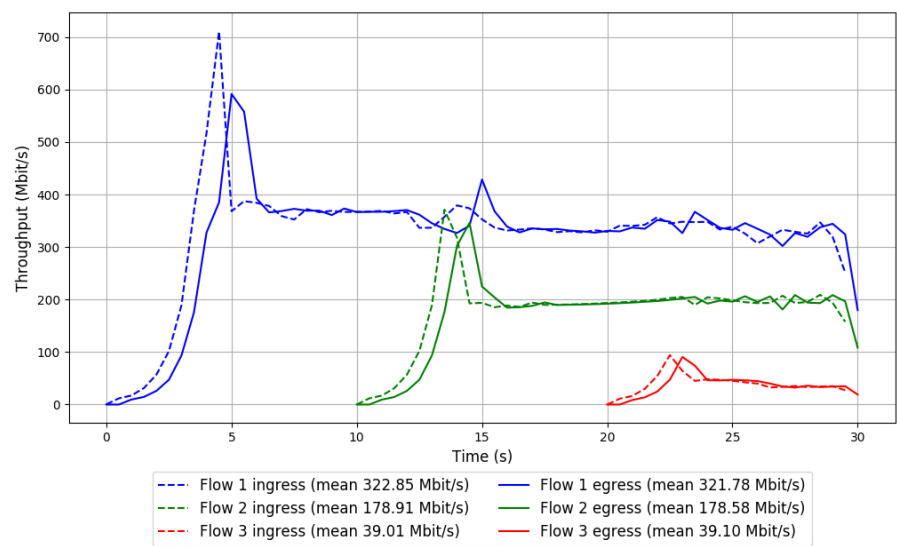


Run 9: Statistics of PCC-Expr

Start at: 2018-05-31 03:05:30
End at: 2018-05-31 03:06:00
Local clock offset: 0.141 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.80 Mbit/s
95th percentile per-packet one-way delay: 168.574 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 176.282 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 178.58 Mbit/s
95th percentile per-packet one-way delay: 134.903 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 127.071 ms
Loss rate: 2.10%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-31 03:30:04

End at: 2018-05-31 03:30:34

Local clock offset: 6.563 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-05-31 05:22:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 328.35 Mbit/s

95th percentile per-packet one-way delay: 119.099 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 177.61 Mbit/s

95th percentile per-packet one-way delay: 118.965 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 185.85 Mbit/s

95th percentile per-packet one-way delay: 119.090 ms

Loss rate: 1.42%

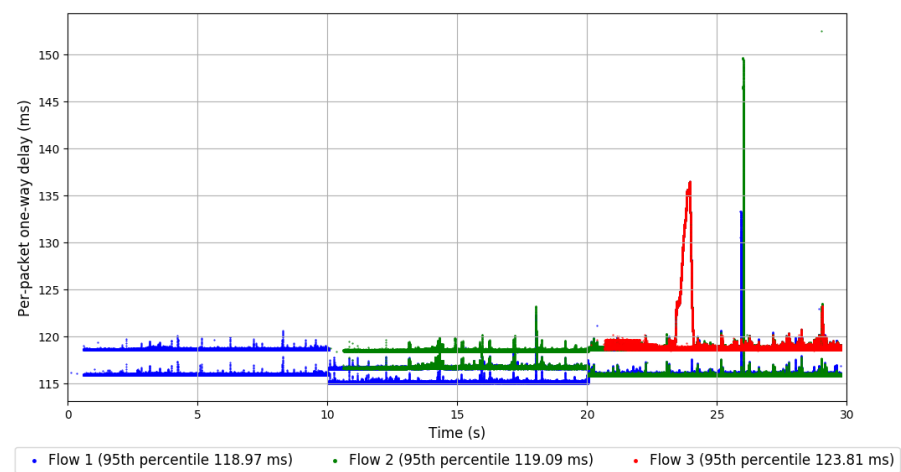
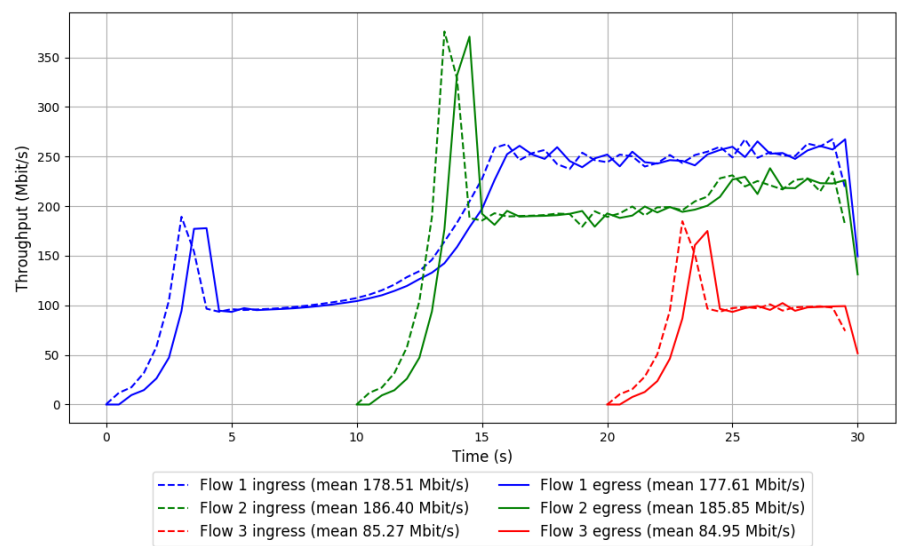
-- Flow 3:

Average throughput: 84.95 Mbit/s

95th percentile per-packet one-way delay: 123.814 ms

Loss rate: 2.65%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-30 23:57:01

End at: 2018-05-30 23:57:31

Local clock offset: 0.001 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-05-31 05:22:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 123.66 Mbit/s

95th percentile per-packet one-way delay: 111.201 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 61.00 Mbit/s

95th percentile per-packet one-way delay: 111.233 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 60.88 Mbit/s

95th percentile per-packet one-way delay: 110.389 ms

Loss rate: 0.50%

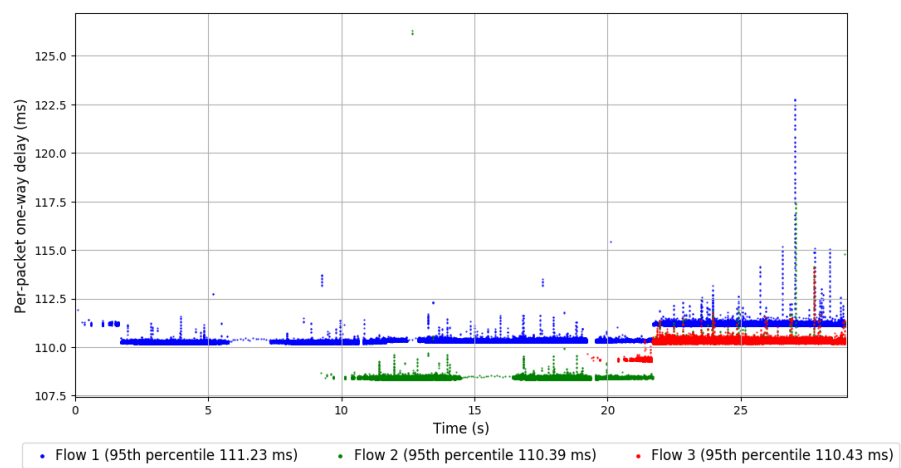
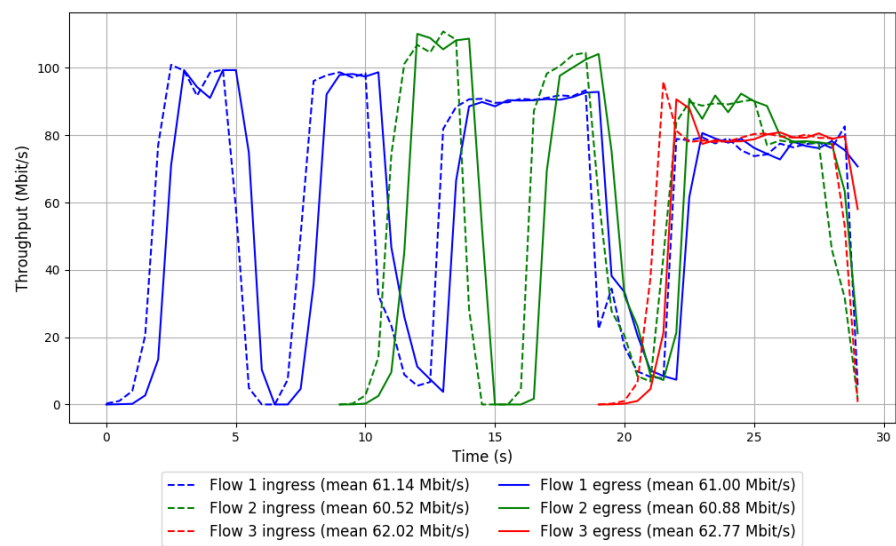
-- Flow 3:

Average throughput: 62.77 Mbit/s

95th percentile per-packet one-way delay: 110.428 ms

Loss rate: 1.04%

Run 1: Report of QUIC Cubic — Data Link

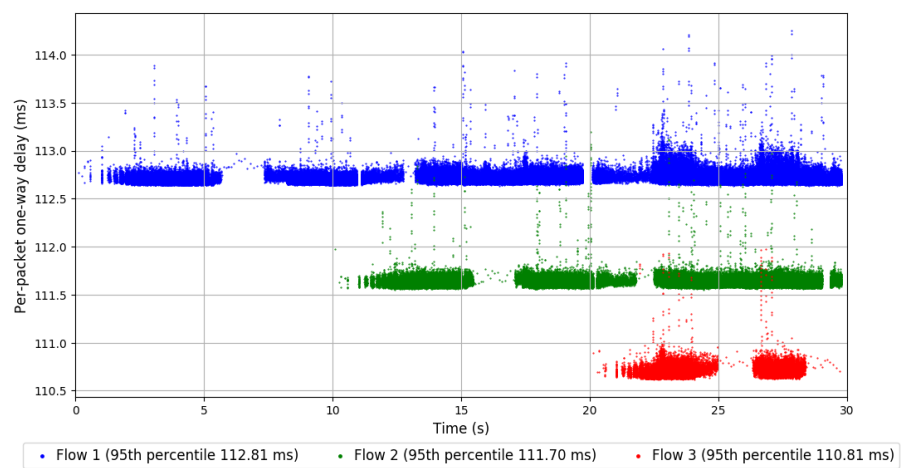
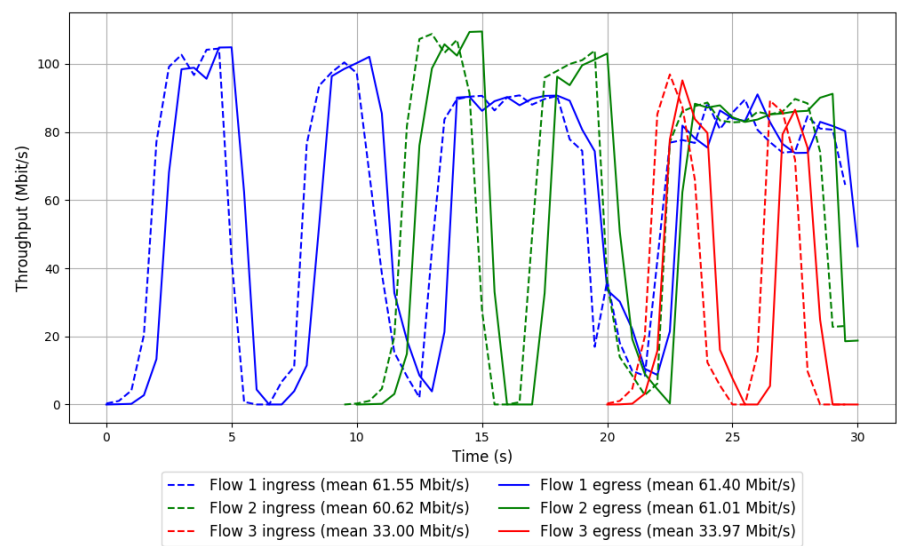


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-31 00:21:01
End at: 2018-05-31 00:21:31
Local clock offset: -0.065 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.83 Mbit/s
95th percentile per-packet one-way delay: 112.783 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 112.812 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 111.704 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 110.808 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

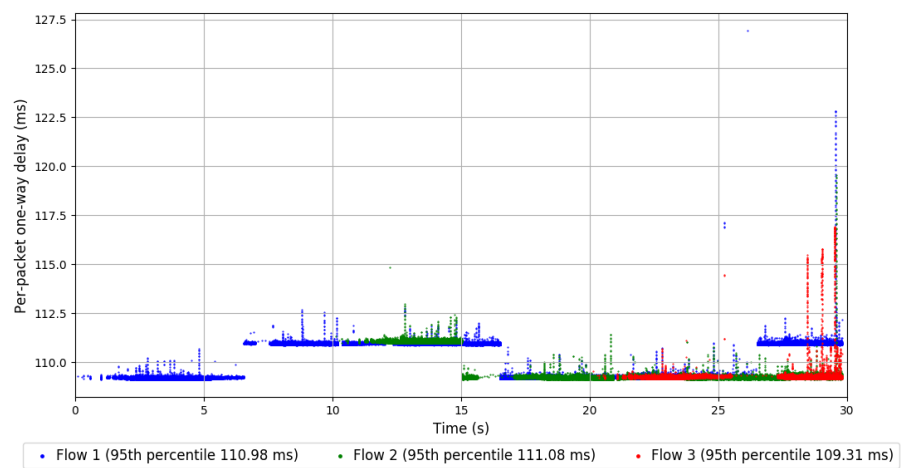
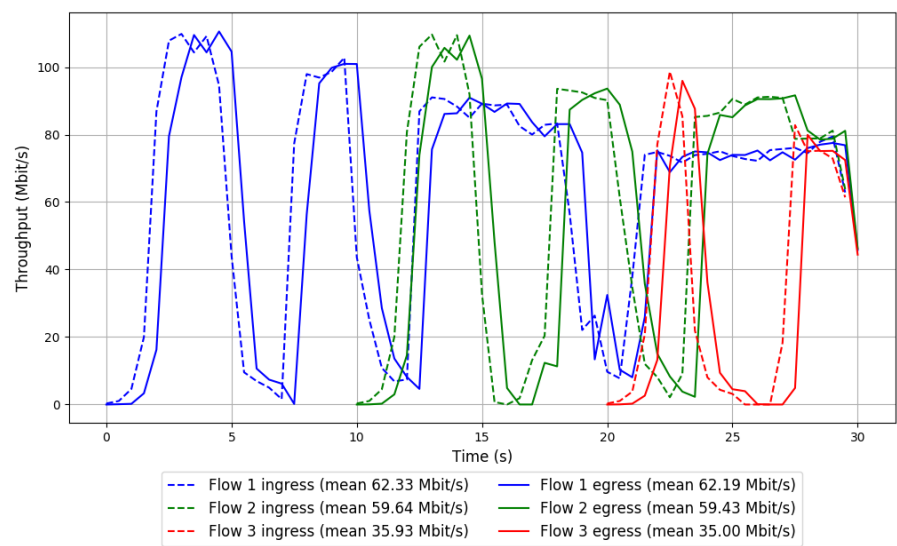


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-31 00:45:07
End at: 2018-05-31 00:45:37
Local clock offset: -0.11 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.96 Mbit/s
95th percentile per-packet one-way delay: 111.040 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 110.983 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 111.080 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 109.310 ms
Loss rate: 4.76%

Run 3: Report of QUIC Cubic — Data Link

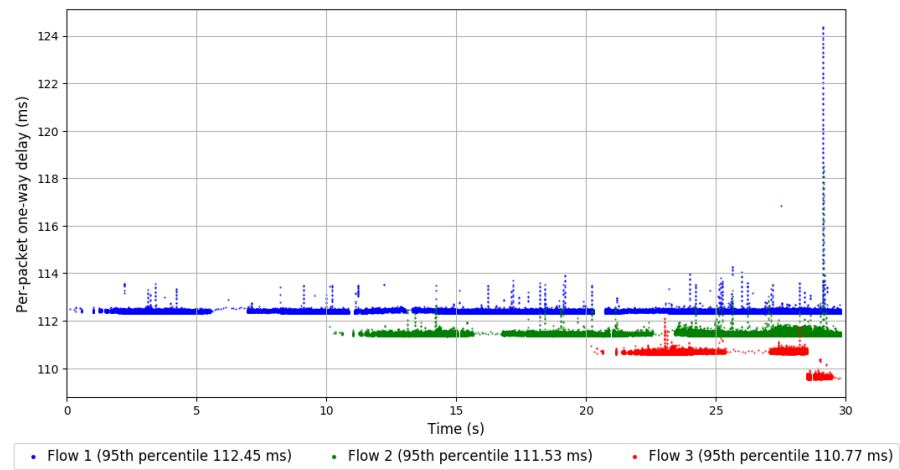
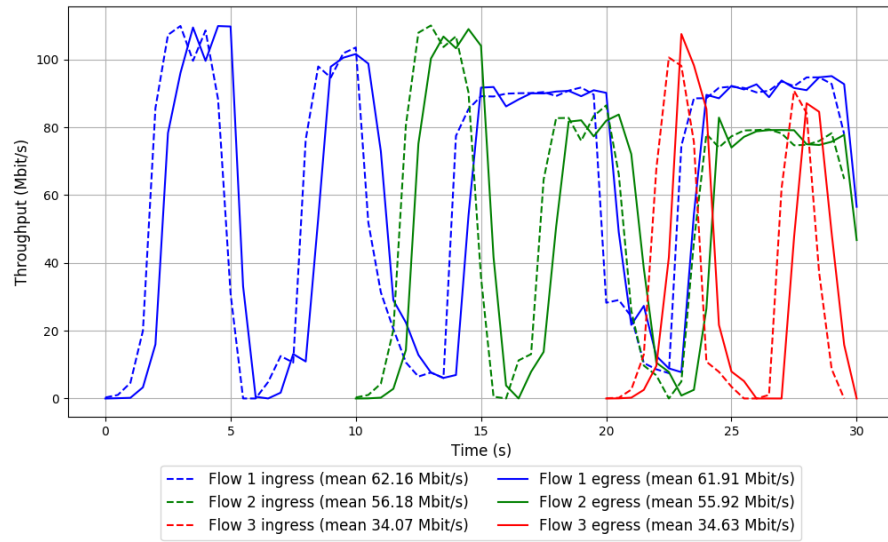


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-31 01:09:14
End at: 2018-05-31 01:09:44
Local clock offset: -0.086 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.16 Mbit/s
95th percentile per-packet one-way delay: 112.430 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 112.446 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 111.527 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 110.770 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-31 01:33:09

End at: 2018-05-31 01:33:39

Local clock offset: 0.021 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-05-31 05:22:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.83 Mbit/s

95th percentile per-packet one-way delay: 111.912 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 62.66 Mbit/s

95th percentile per-packet one-way delay: 109.370 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 60.61 Mbit/s

95th percentile per-packet one-way delay: 109.394 ms

Loss rate: 0.44%

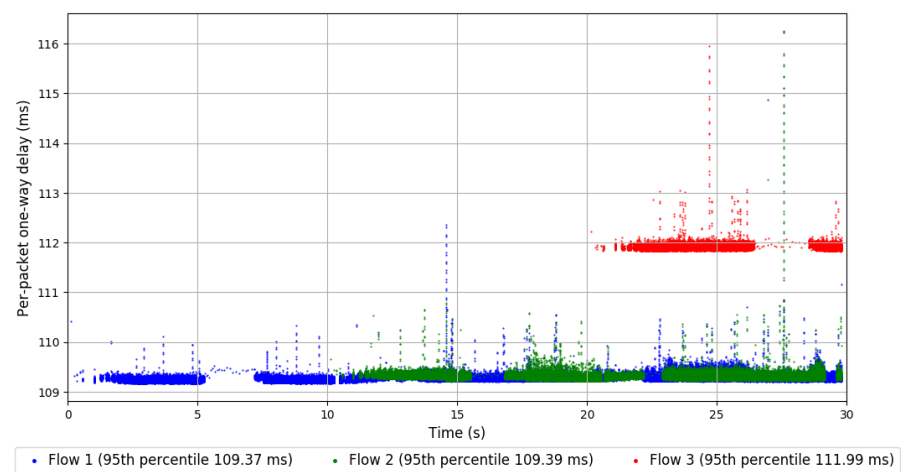
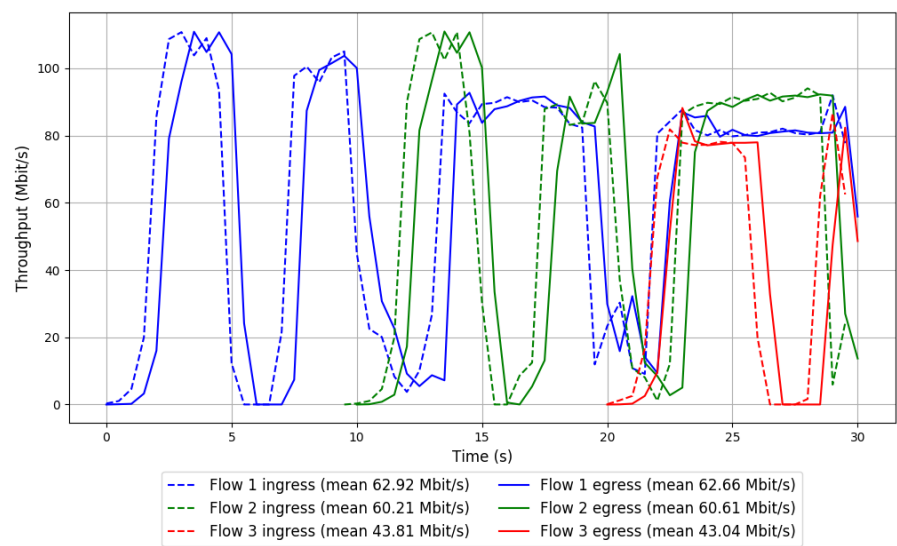
-- Flow 3:

Average throughput: 43.04 Mbit/s

95th percentile per-packet one-way delay: 111.986 ms

Loss rate: 3.98%

Run 5: Report of QUIC Cubic — Data Link

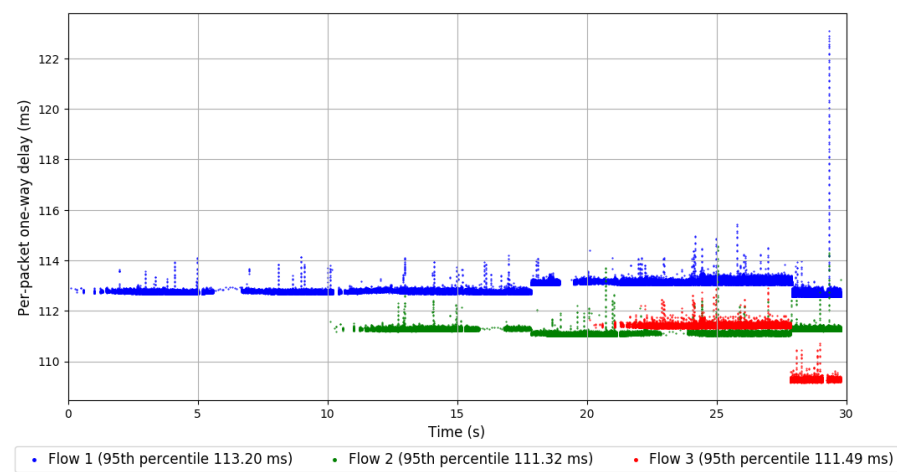
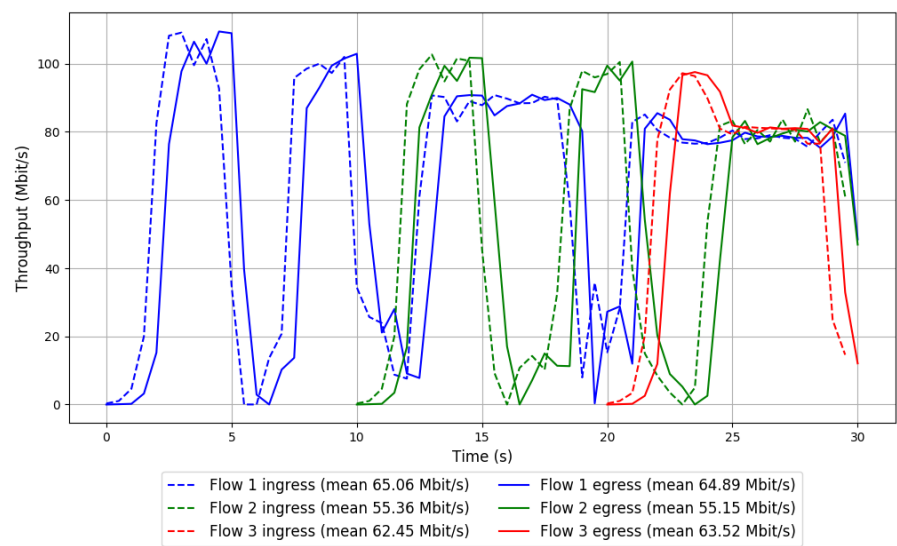


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-31 01:57:06
End at: 2018-05-31 01:57:36
Local clock offset: 0.006 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.15 Mbit/s
95th percentile per-packet one-way delay: 113.160 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 113.196 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: 111.323 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 63.52 Mbit/s
95th percentile per-packet one-way delay: 111.486 ms
Loss rate: 0.60%

Run 6: Report of QUIC Cubic — Data Link

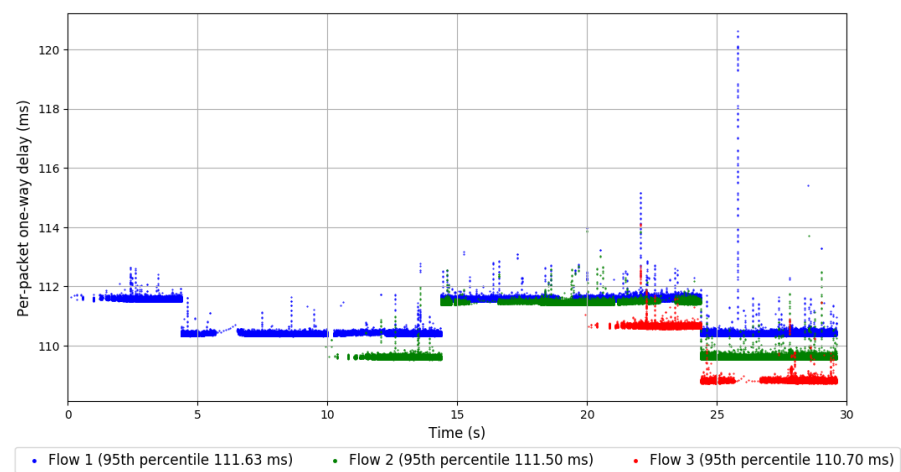
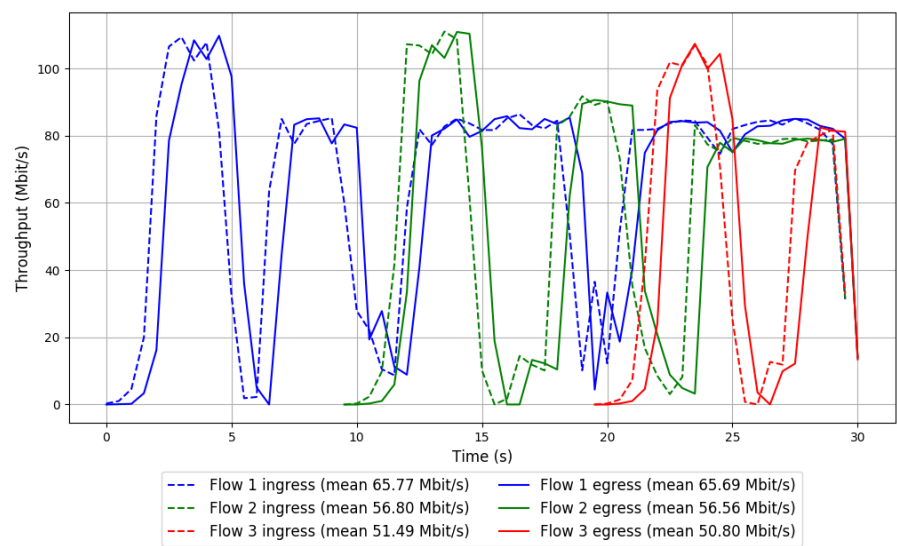


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-31 02:21:19
End at: 2018-05-31 02:21:49
Local clock offset: -0.101 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.12 Mbit/s
95th percentile per-packet one-way delay: 111.606 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 65.69 Mbit/s
95th percentile per-packet one-way delay: 111.626 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 110.703 ms
Loss rate: 3.56%

Run 7: Report of QUIC Cubic — Data Link

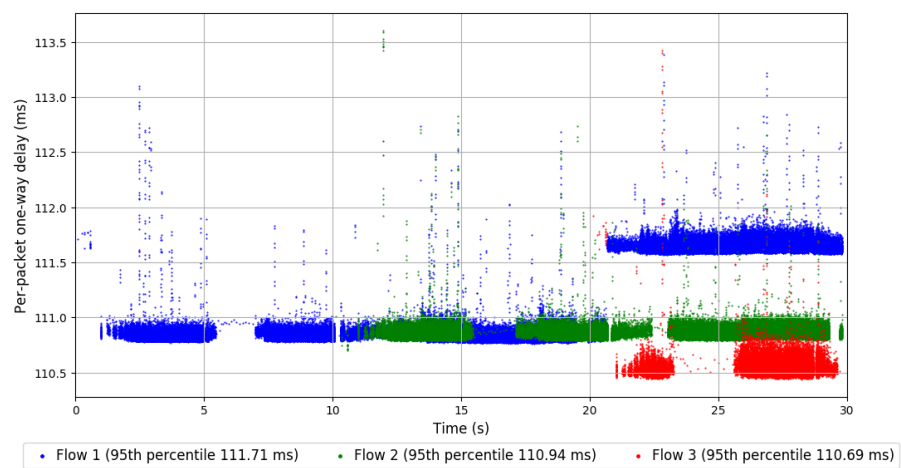
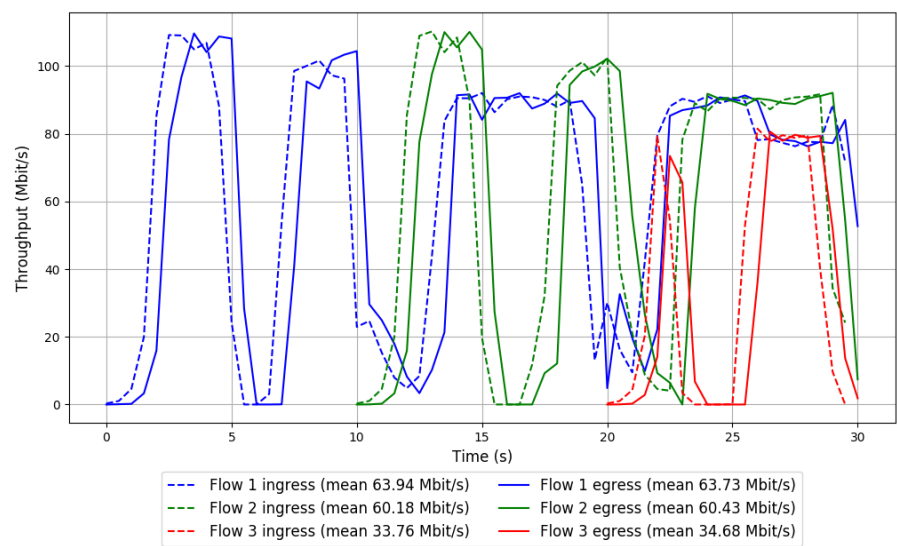


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-31 02:45:33
End at: 2018-05-31 02:46:03
Local clock offset: -0.344 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.96 Mbit/s
95th percentile per-packet one-way delay: 111.686 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 111.709 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 110.943 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 110.695 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

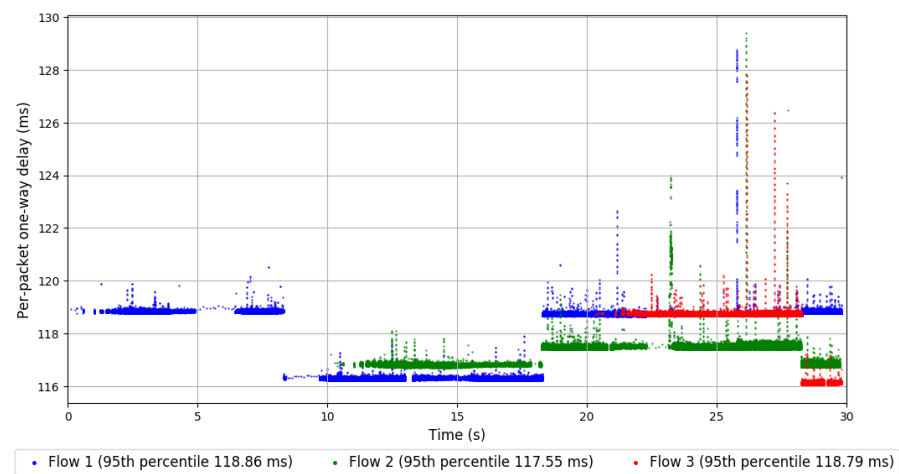
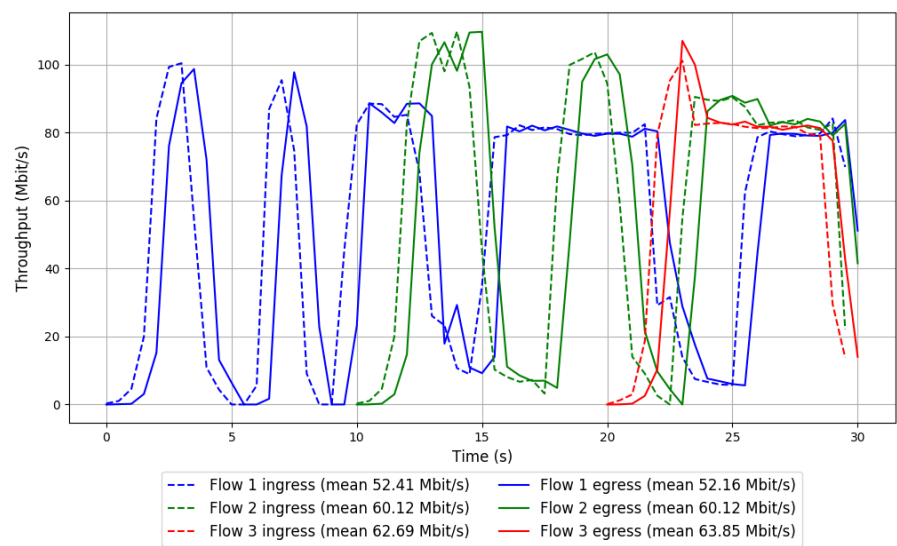


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-31 03:09:56
End at: 2018-05-31 03:10:26
Local clock offset: 6.476 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.64 Mbit/s
95th percentile per-packet one-way delay: 118.831 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 52.16 Mbit/s
95th percentile per-packet one-way delay: 118.855 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 117.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 118.787 ms
Loss rate: 0.45%

Run 9: Report of QUIC Cubic — Data Link

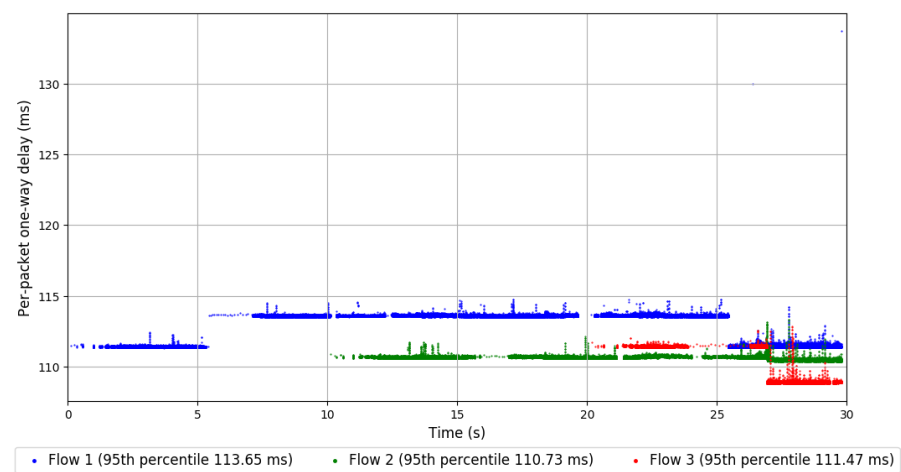
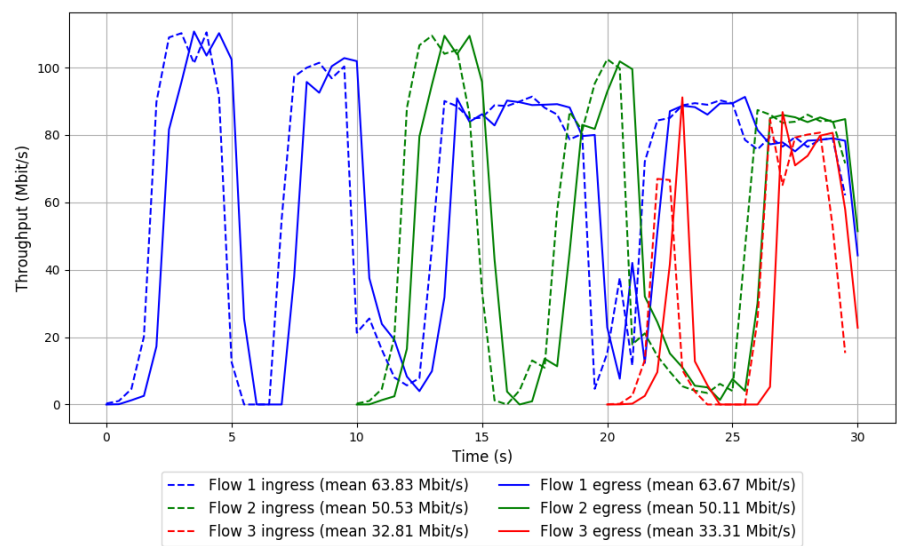


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-31 03:34:17
End at: 2018-05-31 03:34:47
Local clock offset: -0.064 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.69 Mbit/s
95th percentile per-packet one-way delay: 113.630 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 63.67 Mbit/s
95th percentile per-packet one-way delay: 113.648 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 110.735 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 111.470 ms
Loss rate: 0.77%

Run 10: Report of QUIC Cubic — Data Link

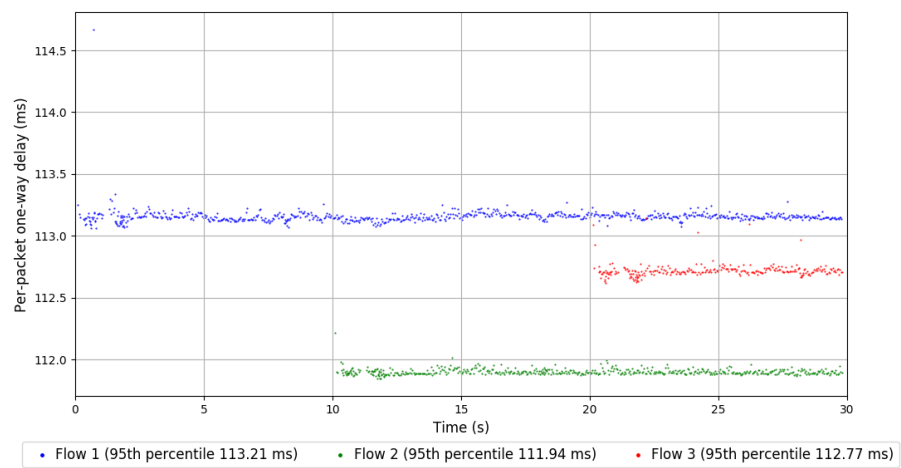
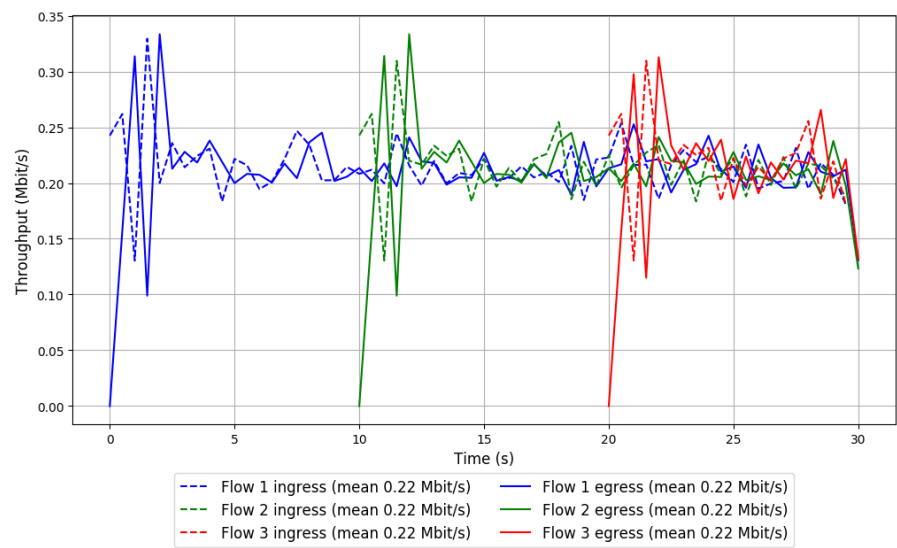


```
Run 1: Statistics of SReAM

Start at: 2018-05-31 00:03:09
End at: 2018-05-31 00:03:39
Local clock offset: -0.036 ms
Remote clock offset: -0.465 ms

# Below is generated by plot.py at 2018-05-31 05:22:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.188 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.207 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.941 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.769 ms
Loss rate: 2.20%
```

Run 1: Report of SReAM — Data Link

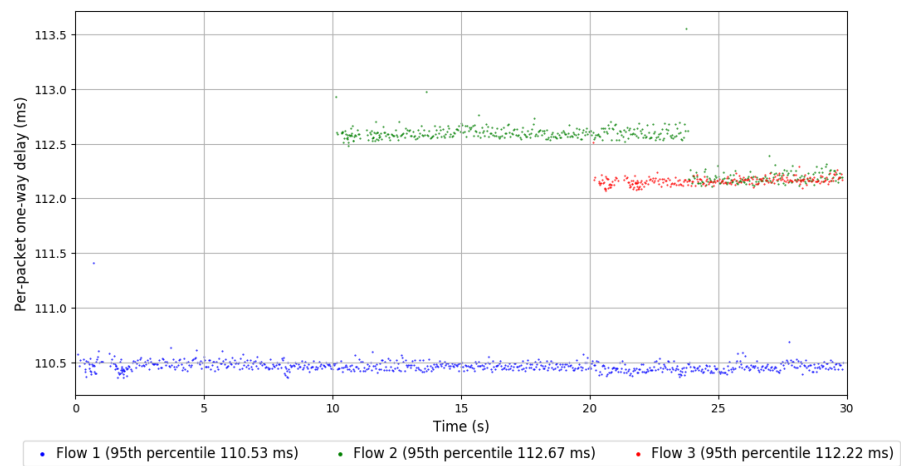
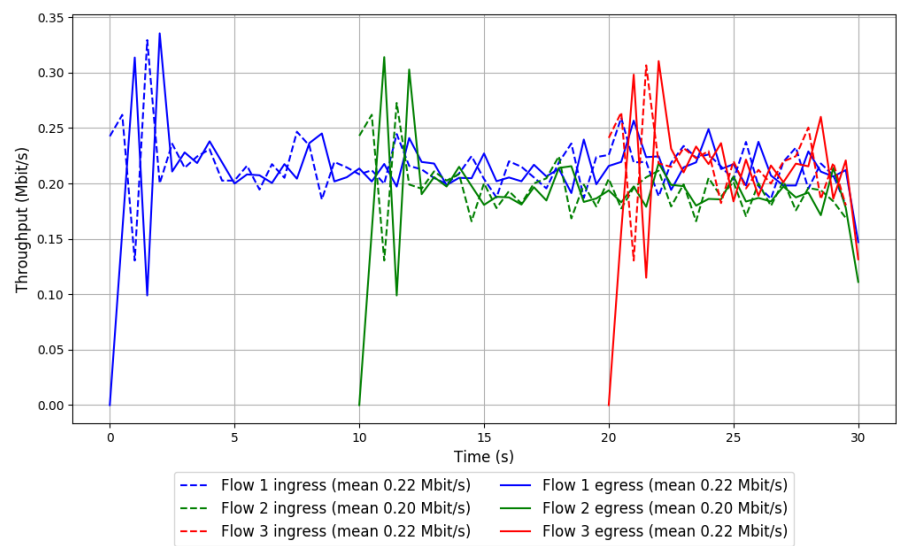


```
Run 2: Statistics of SReAM

Start at: 2018-05-31 00:27:00
End at: 2018-05-31 00:27:30
Local clock offset: -0.036 ms
Remote clock offset: 0.281 ms

# Below is generated by plot.py at 2018-05-31 05:22:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.629 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.531 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.671 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.219 ms
Loss rate: 2.21%
```

Run 2: Report of SReAM — Data Link

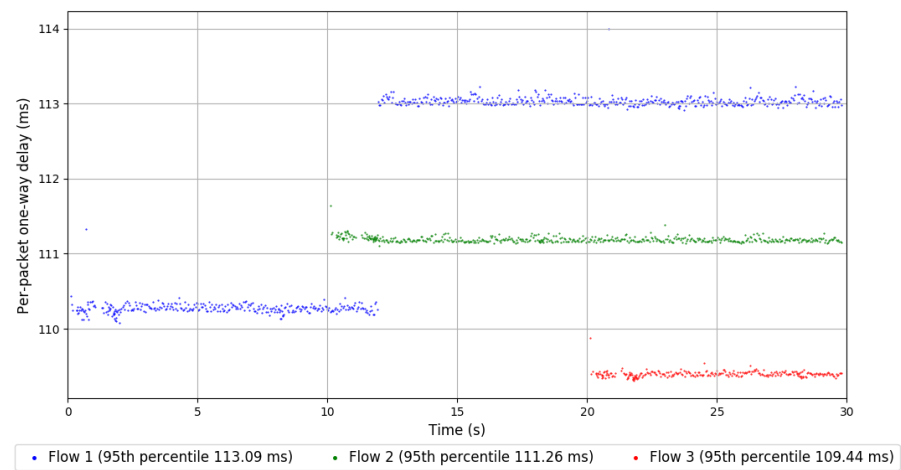
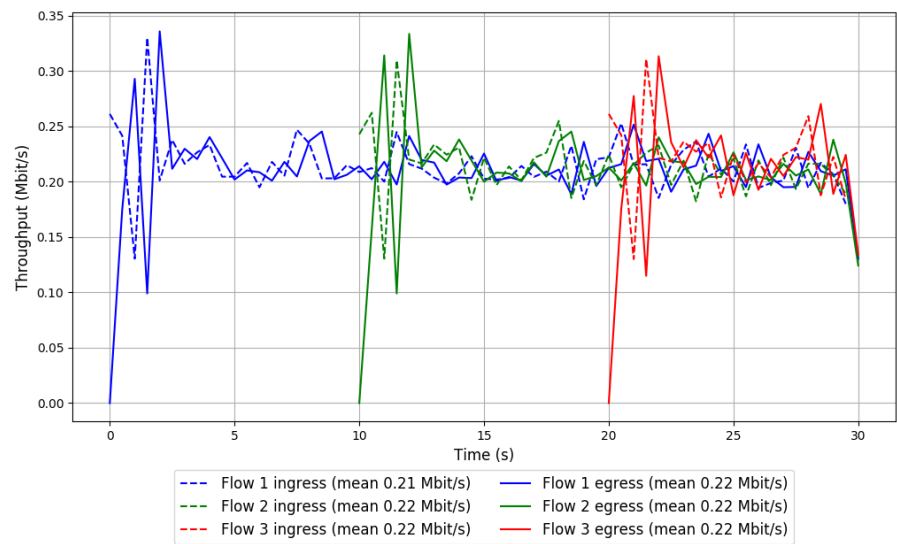


Run 3: Statistics of SCReAM

Start at: 2018-05-31 00:51:12
End at: 2018-05-31 00:51:42
Local clock offset: 0.015 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.075 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.095 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.258 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.442 ms
Loss rate: 2.22%

Run 3: Report of SReAM — Data Link

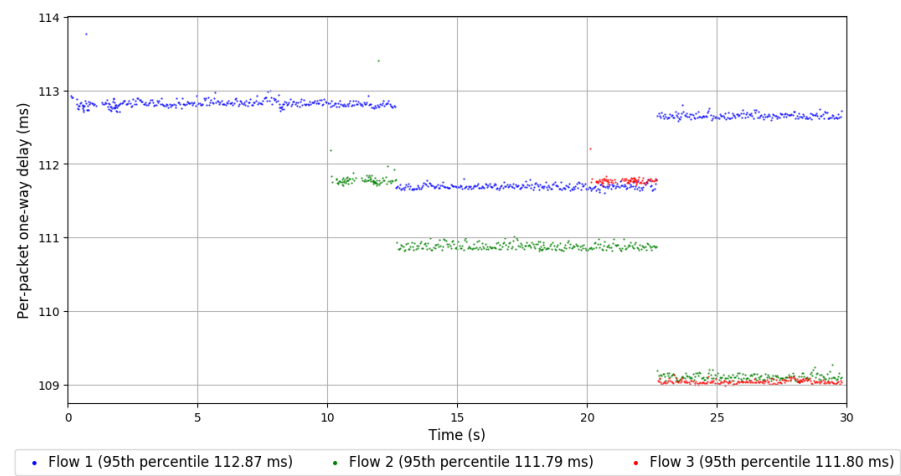
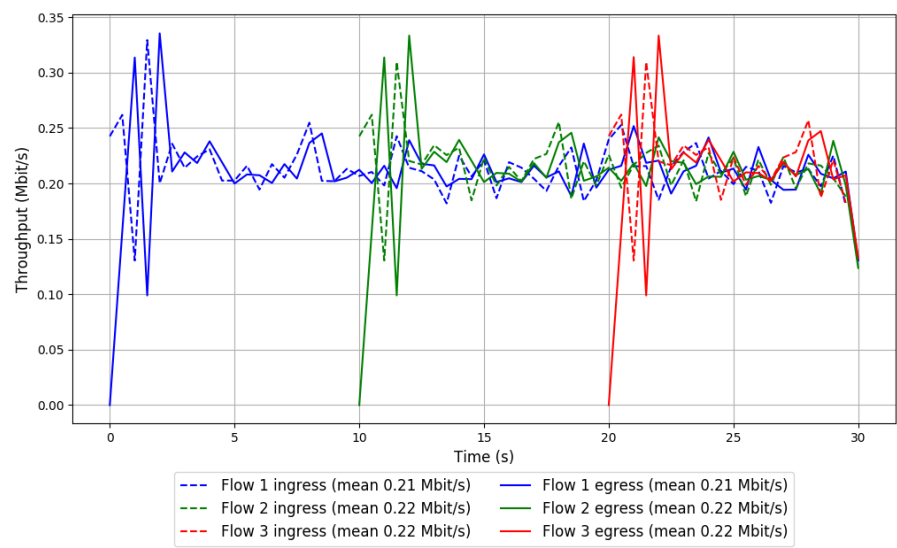


Run 4: Statistics of SCReAM

Start at: 2018-05-31 01:15:11
End at: 2018-05-31 01:15:41
Local clock offset: 0.106 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.851 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.873 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.790 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.798 ms
Loss rate: 2.21%

Run 4: Report of SReAM — Data Link

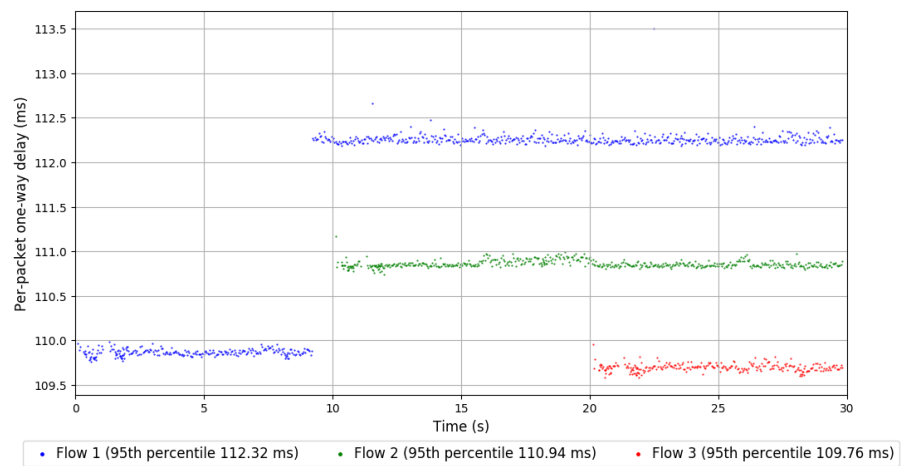
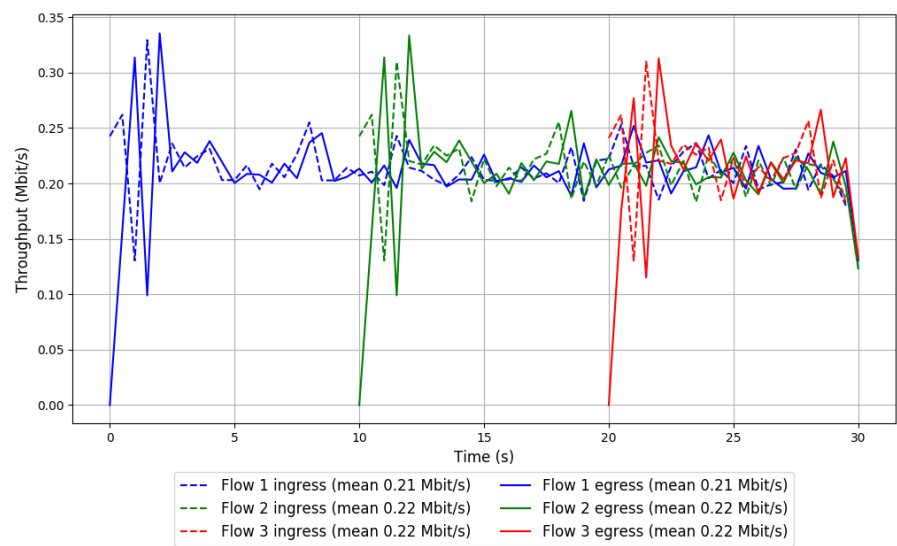


Run 5: Statistics of SReAM

Start at: 2018-05-31 01:38:53
End at: 2018-05-31 01:39:23
Local clock offset: -0.031 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.294 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.321 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.938 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.762 ms
Loss rate: 2.21%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-05-31 02:03:11

End at: 2018-05-31 02:03:41

Local clock offset: 0.013 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-31 05:22:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.581 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.796 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.472 ms

Loss rate: 1.24%

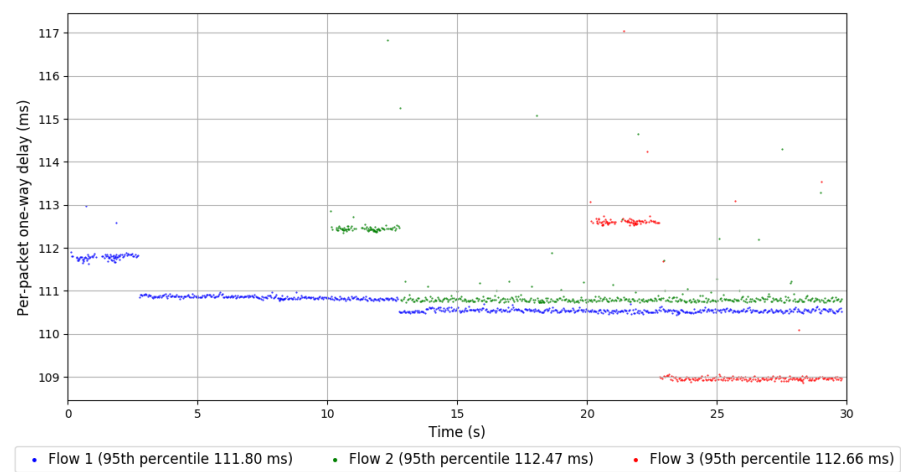
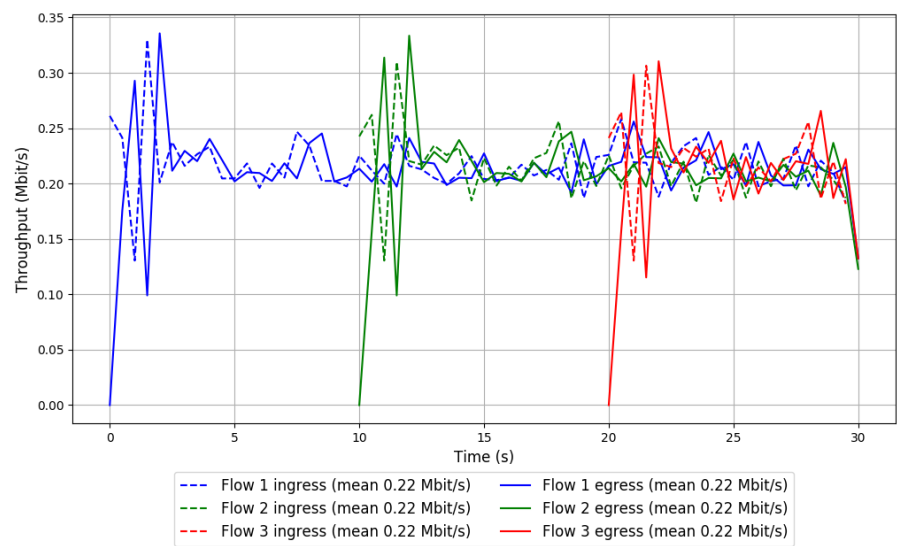
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.657 ms

Loss rate: 2.21%

Run 6: Report of SCSReAM — Data Link

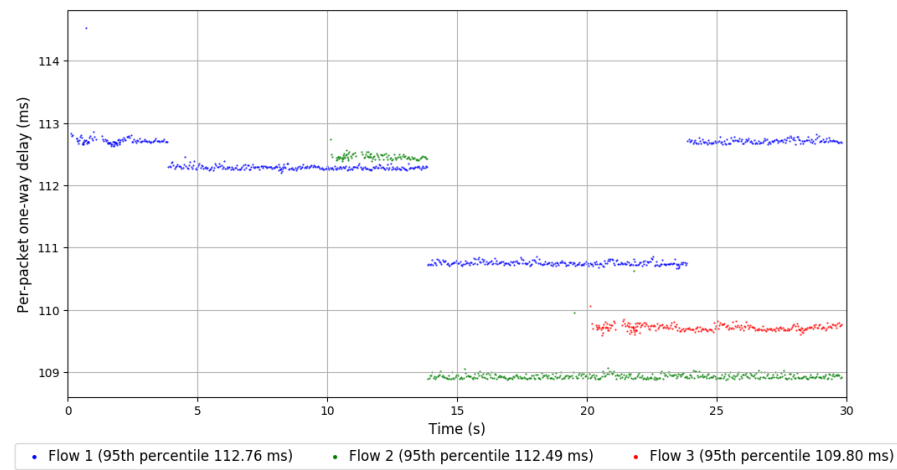
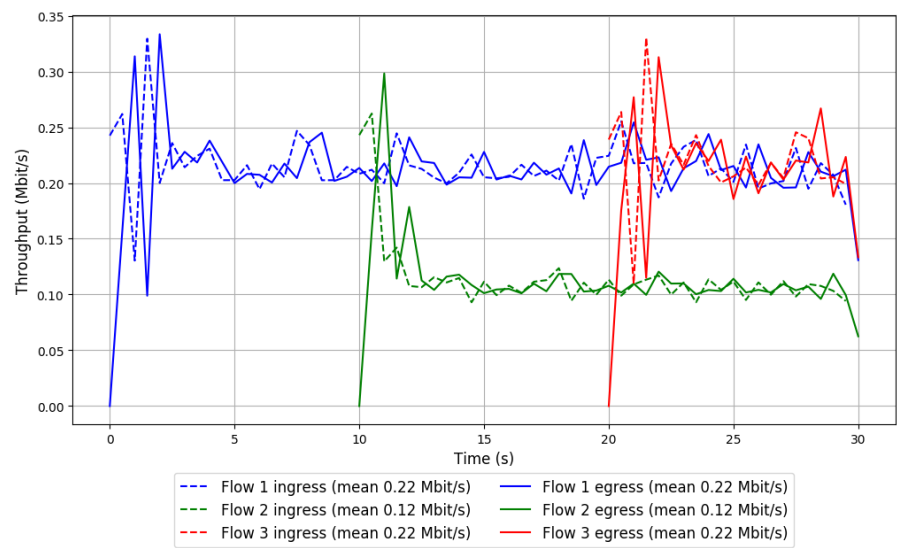


Run 7: Statistics of SReAM

Start at: 2018-05-31 02:27:30
End at: 2018-05-31 02:28:00
Local clock offset: -0.122 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.729 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.757 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 112.492 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.798 ms
Loss rate: 2.22%

Run 7: Report of SReAM — Data Link

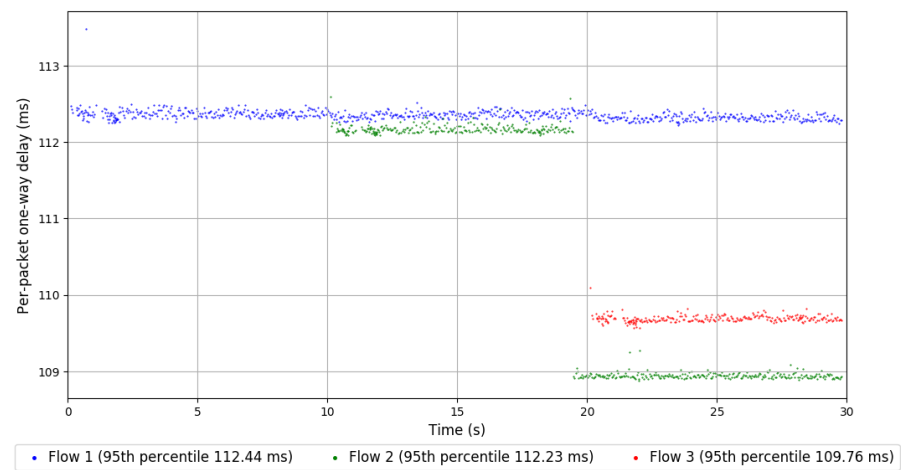
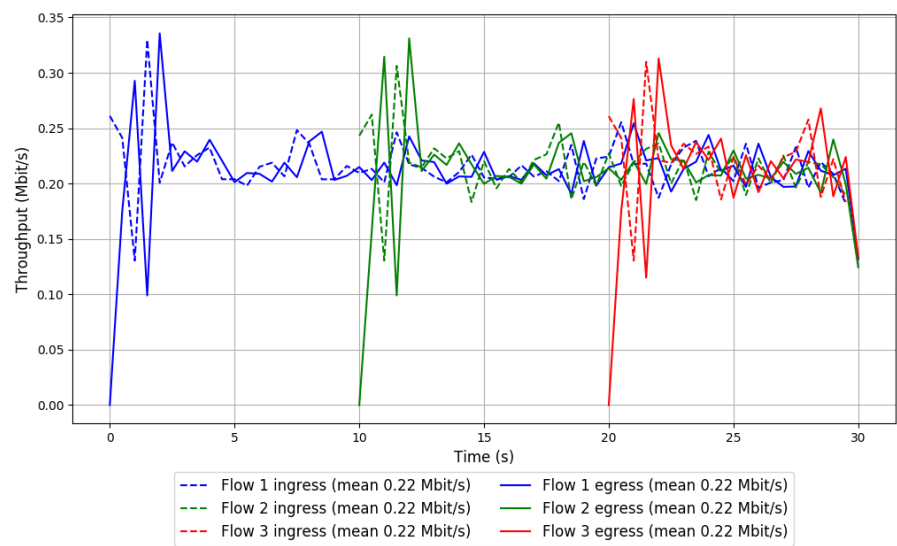


Run 8: Statistics of SReAM

Start at: 2018-05-31 02:51:44
End at: 2018-05-31 02:52:14
Local clock offset: -0.184 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.422 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.442 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.227 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.759 ms
Loss rate: 2.22%

Run 8: Report of SReAM — Data Link

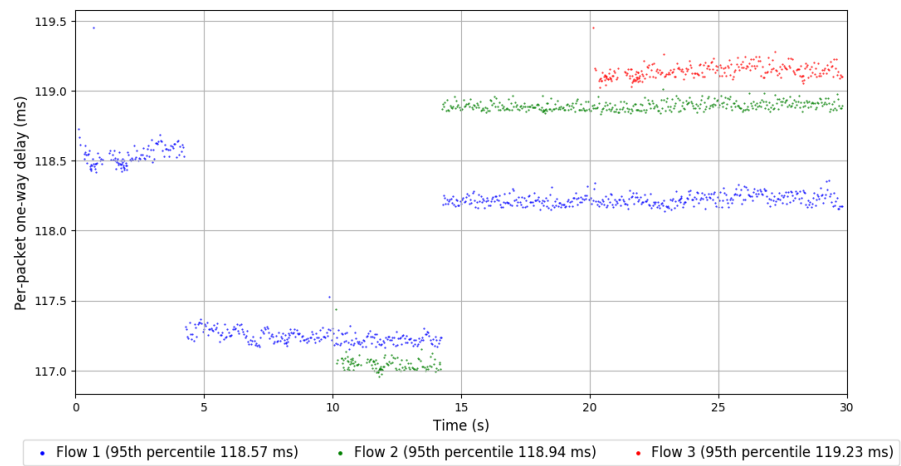
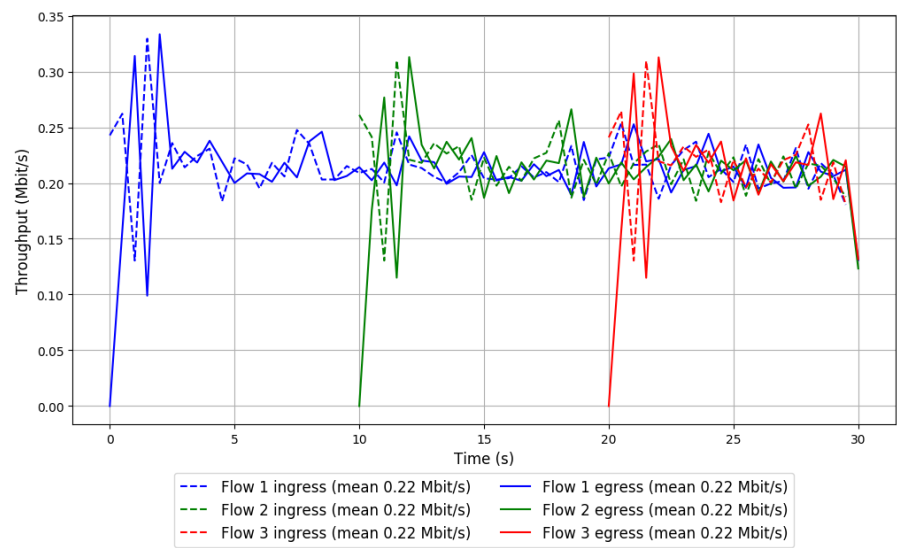


Run 9: Statistics of SReAM

Start at: 2018-05-31 03:16:10
End at: 2018-05-31 03:16:40
Local clock offset: 6.577 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 119.164 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 118.570 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 118.944 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 119.226 ms
Loss rate: 2.21%

Run 9: Report of SReAM — Data Link

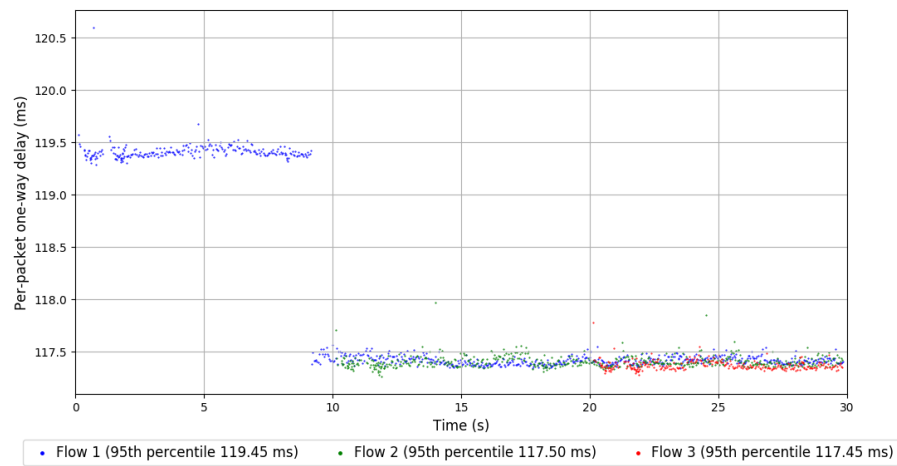
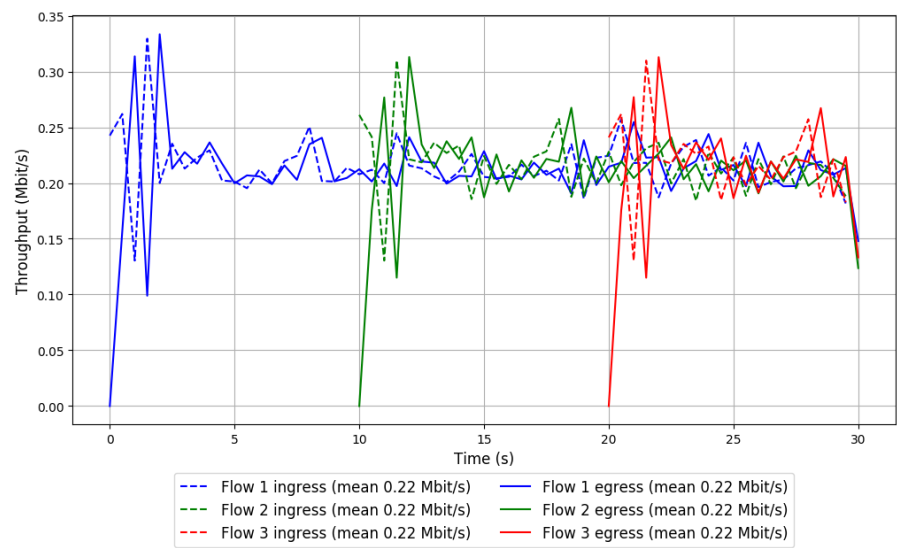


Run 10: Statistics of SReAM

Start at: 2018-05-31 03:40:25
End at: 2018-05-31 03:40:55
Local clock offset: 6.612 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 119.425 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 119.455 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.497 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.446 ms
Loss rate: 2.21%

Run 10: Report of SCRaM — Data Link

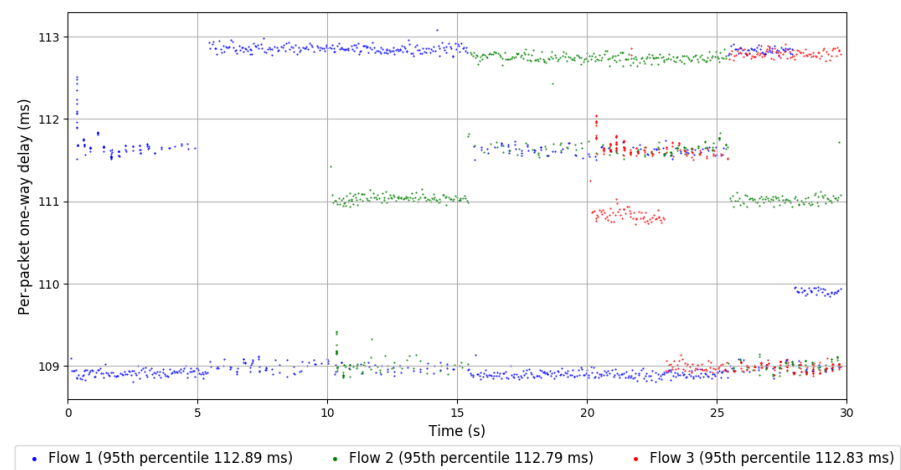
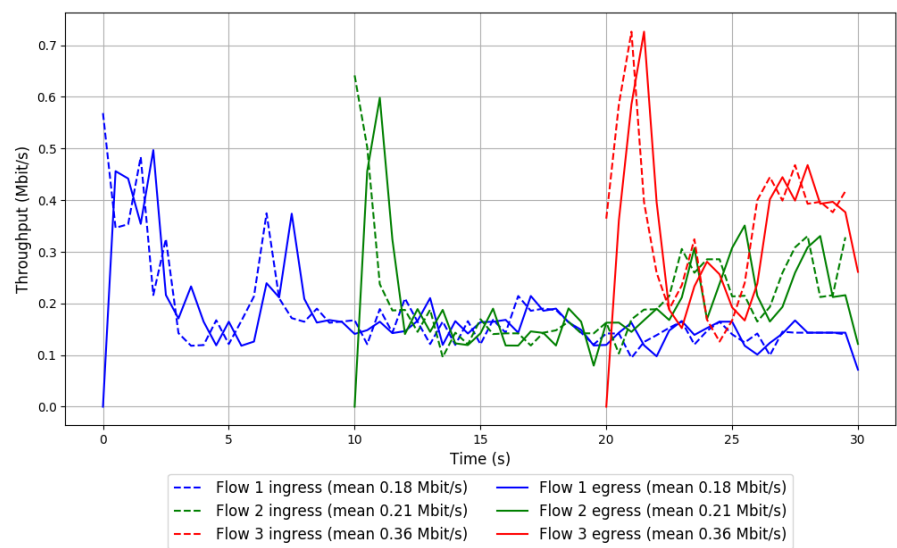


Run 1: Statistics of Sprout

Start at: 2018-05-30 23:55:48
End at: 2018-05-30 23:56:18
Local clock offset: 0.039 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 112.864 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.887 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.790 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.829 ms
Loss rate: 2.25%

Run 1: Report of Sprout — Data Link

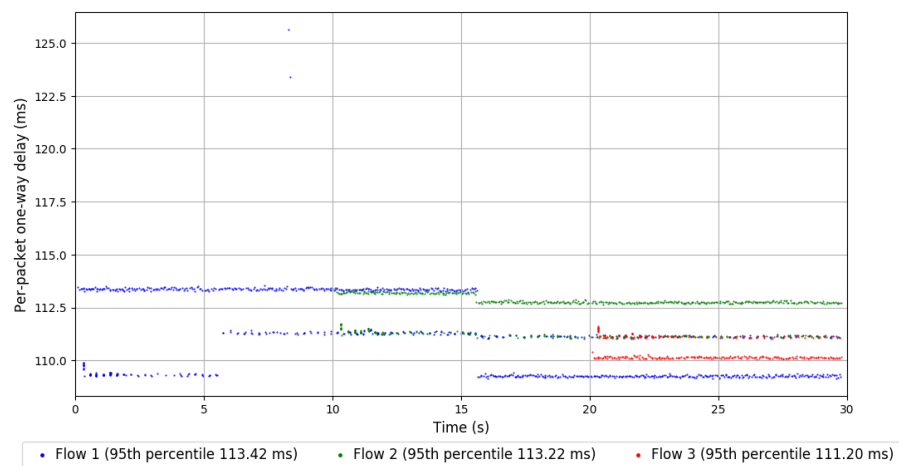
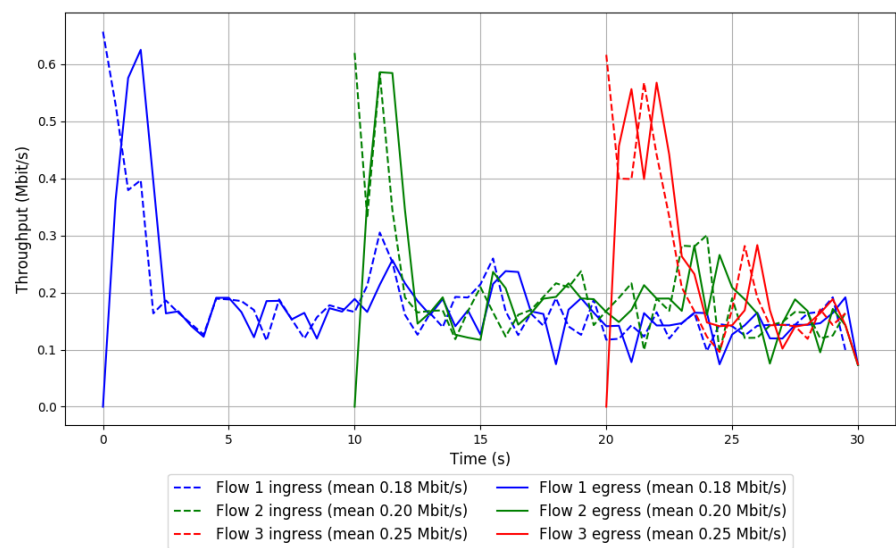


Run 2: Statistics of Sprout

Start at: 2018-05-31 00:19:48
End at: 2018-05-31 00:20:18
Local clock offset: -0.023 ms
Remote clock offset: -0.47 ms

```
# Below is generated by plot.py at 2018-05-31 05:22:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 113.390 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 113.418 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 113.223 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.199 ms
Loss rate: 1.84%
```

Run 2: Report of Sprout — Data Link

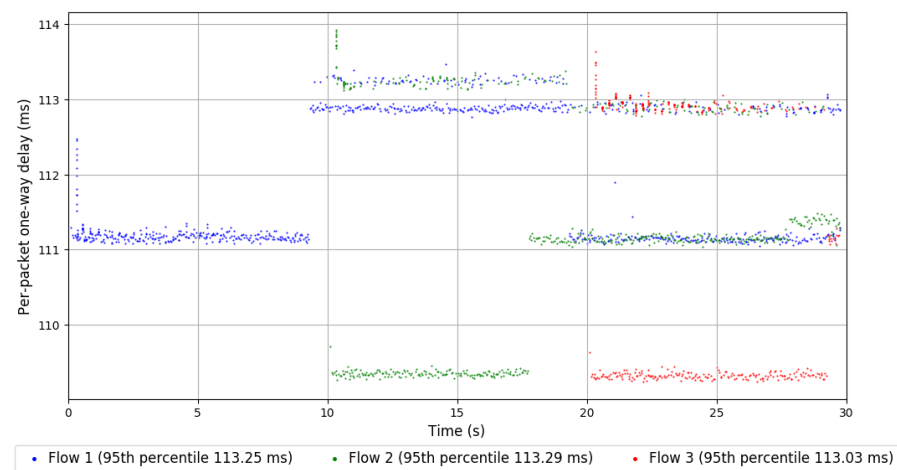
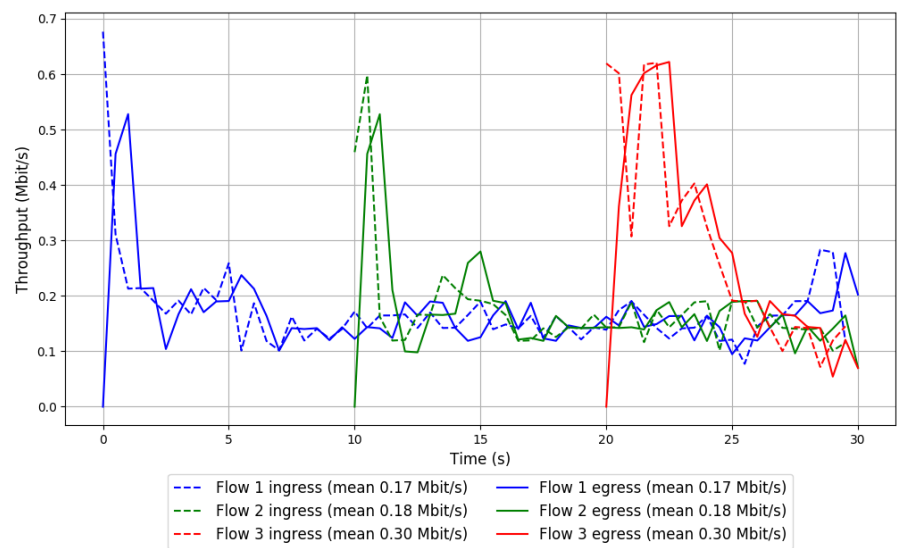


Run 3: Statistics of Sprout

Start at: 2018-05-31 00:43:54
End at: 2018-05-31 00:44:24
Local clock offset: 0.012 ms
Remote clock offset: -0.374 ms

```
# Below is generated by plot.py at 2018-05-31 05:22:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 113.253 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 113.245 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 113.289 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 113.030 ms
Loss rate: 1.61%
```

Run 3: Report of Sprout — Data Link

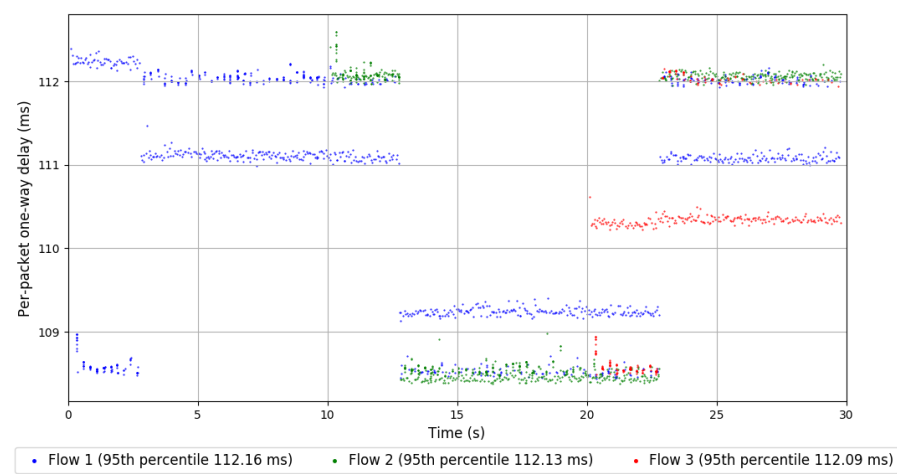
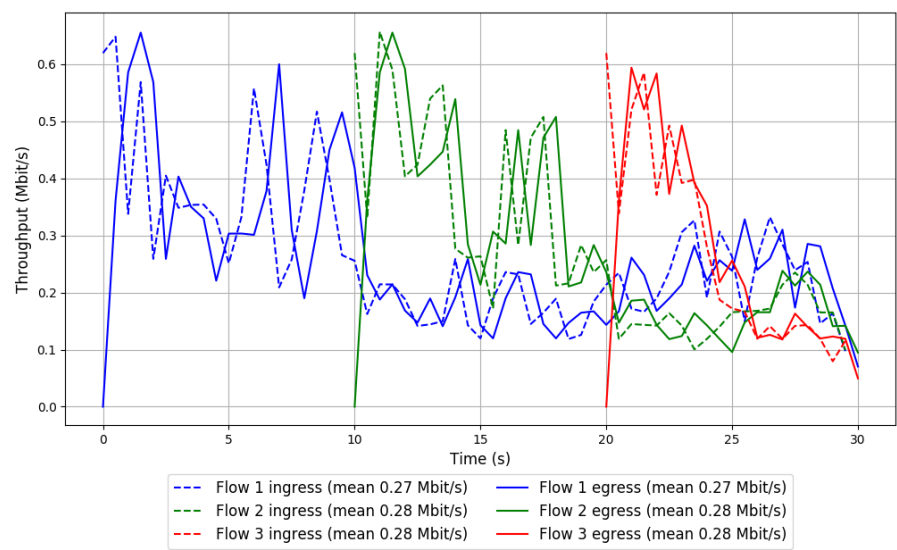


Run 4: Statistics of Sprout

Start at: 2018-05-31 01:08:01
End at: 2018-05-31 01:08:31
Local clock offset: -0.148 ms
Remote clock offset: 0.31 ms

```
# Below is generated by plot.py at 2018-05-31 05:22:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 112.126 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 112.164 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 112.126 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 112.087 ms
Loss rate: 1.26%
```

Run 4: Report of Sprout — Data Link

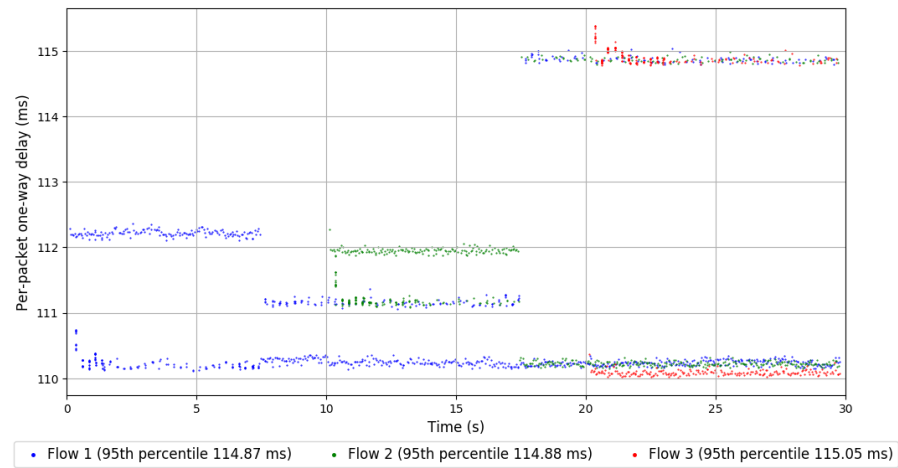
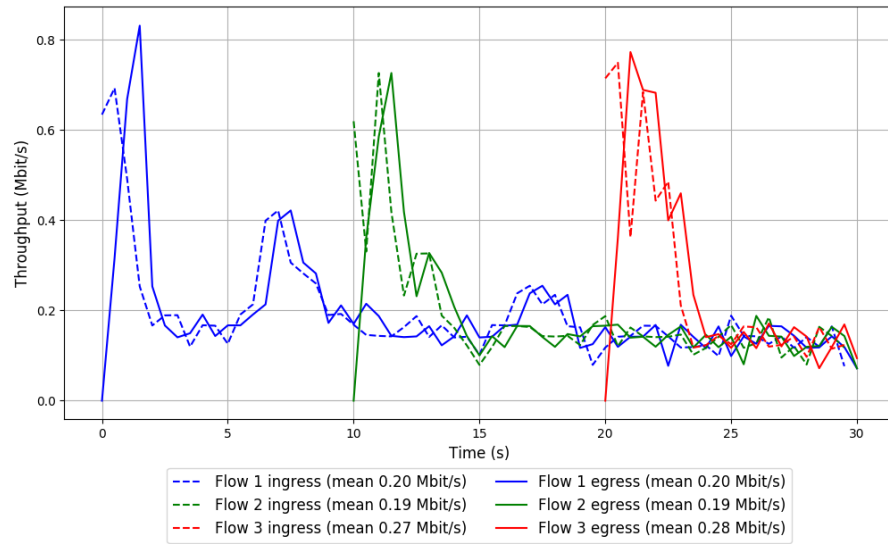


Run 5: Statistics of Sprout

Start at: 2018-05-31 01:31:56
End at: 2018-05-31 01:32:26
Local clock offset: 0.003 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-05-31 05:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 114.903 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 114.866 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 114.876 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 115.047 ms
Loss rate: 0.89%

Run 5: Report of Sprout — Data Link

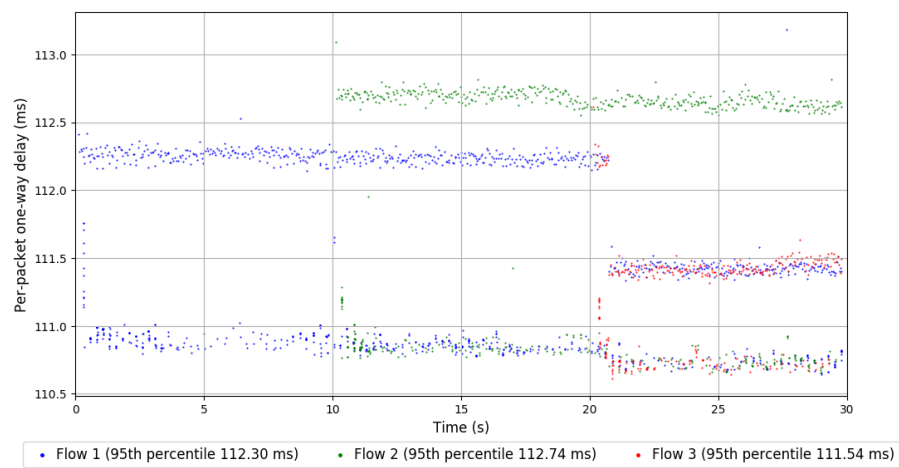
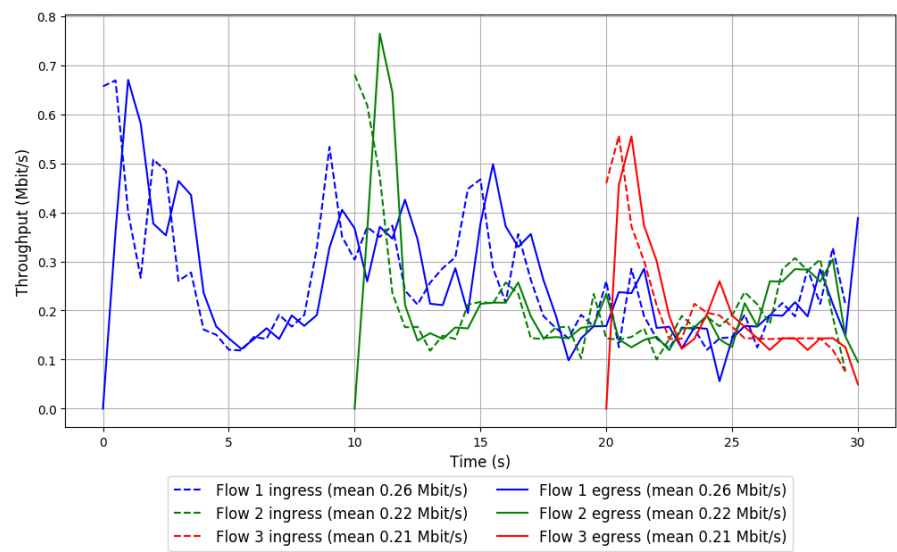


Run 6: Statistics of Sprout

Start at: 2018-05-31 01:55:53
End at: 2018-05-31 01:56:23
Local clock offset: -0.029 ms
Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-05-31 05:22:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 112.709 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 112.297 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.744 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.540 ms
Loss rate: 1.67%

Run 6: Report of Sprout — Data Link

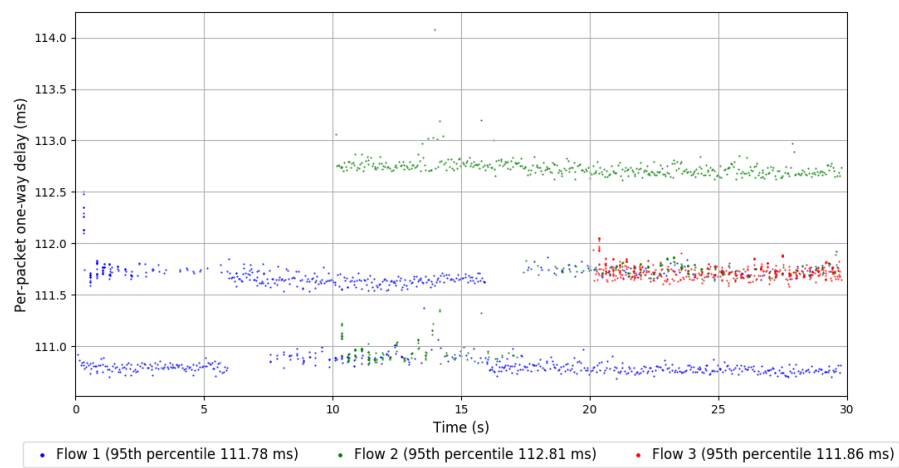
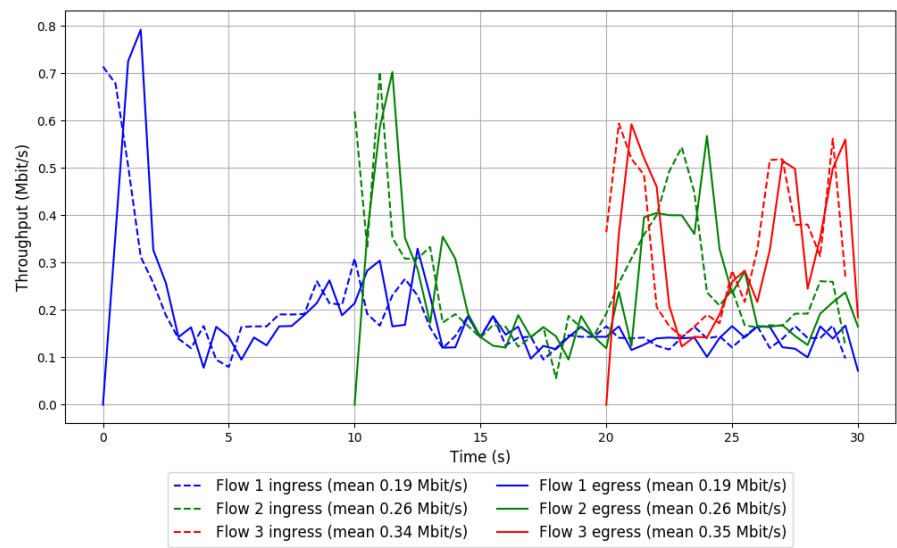


Run 7: Statistics of Sprout

Start at: 2018-05-31 02:20:06
End at: 2018-05-31 02:20:36
Local clock offset: -0.083 ms
Remote clock offset: -0.051 ms

```
# Below is generated by plot.py at 2018-05-31 05:22:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 112.763 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.781 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 112.805 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 111.856 ms
Loss rate: 1.32%
```

Run 7: Report of Sprout — Data Link

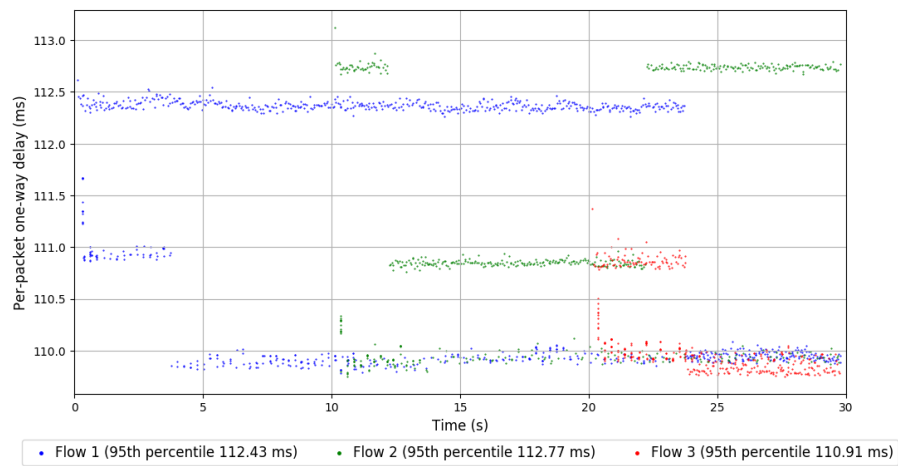
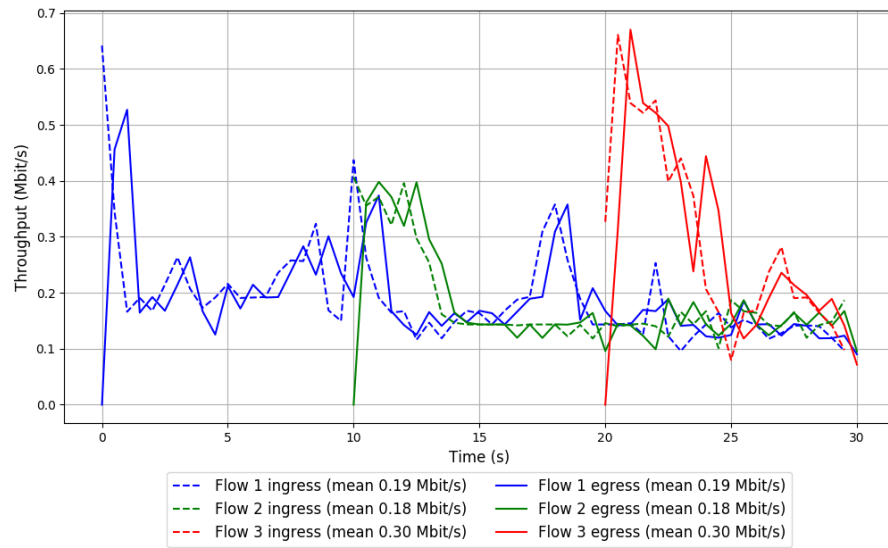


Run 8: Statistics of Sprout

Start at: 2018-05-31 02:44:20
End at: 2018-05-31 02:44:50
Local clock offset: -0.094 ms
Remote clock offset: -0.094 ms

```
# Below is generated by plot.py at 2018-05-31 05:22:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 112.737 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.427 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.766 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 110.906 ms
Loss rate: 1.58%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-31 03:08:42

End at: 2018-05-31 03:09:12

Local clock offset: 0.019 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-05-31 05:22:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 112.632 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 0.19 Mbit/s

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

Loss rate: 0.46%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.616 ms

Loss rate: 1.11%

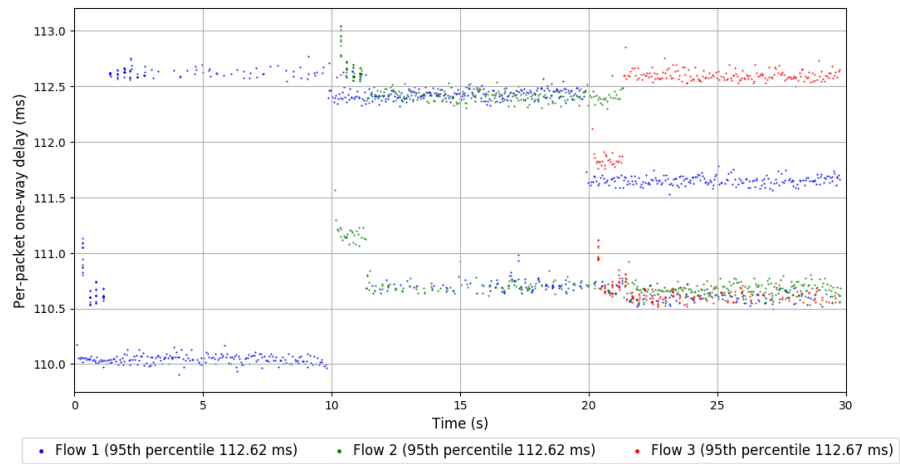
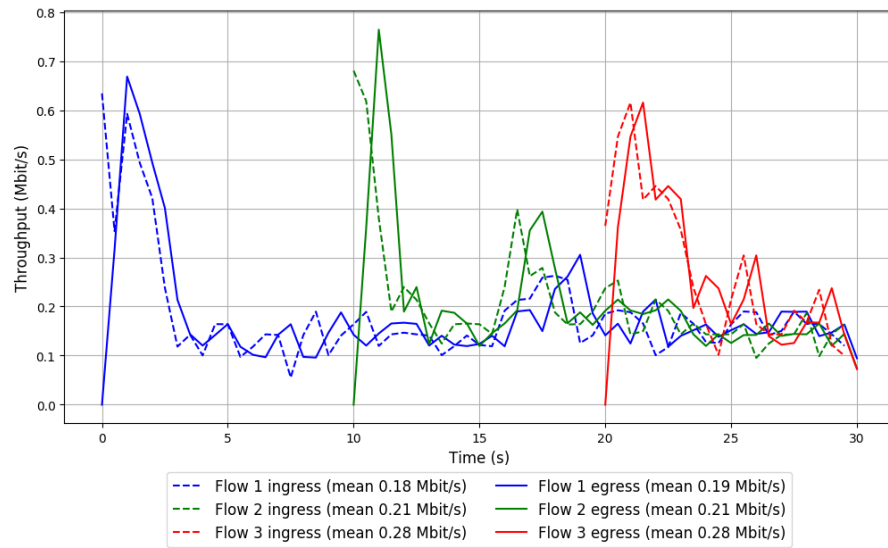
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 112.665 ms

Loss rate: 1.74%

Run 9: Report of Sprout — Data Link

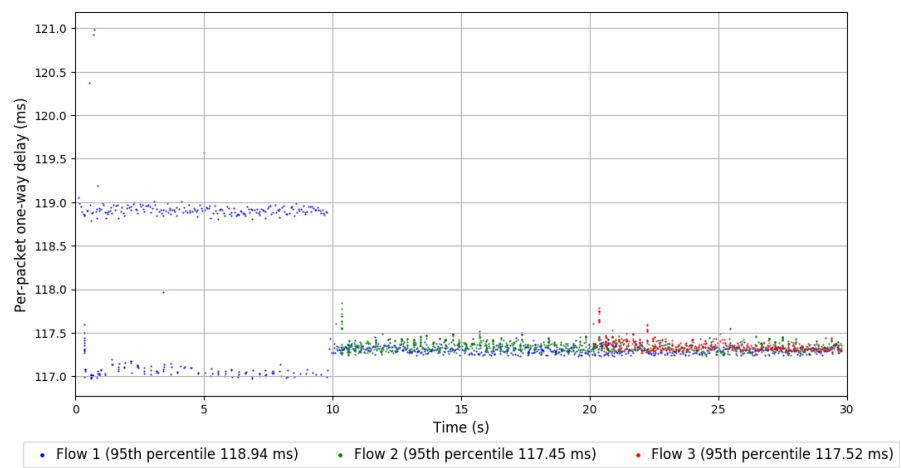
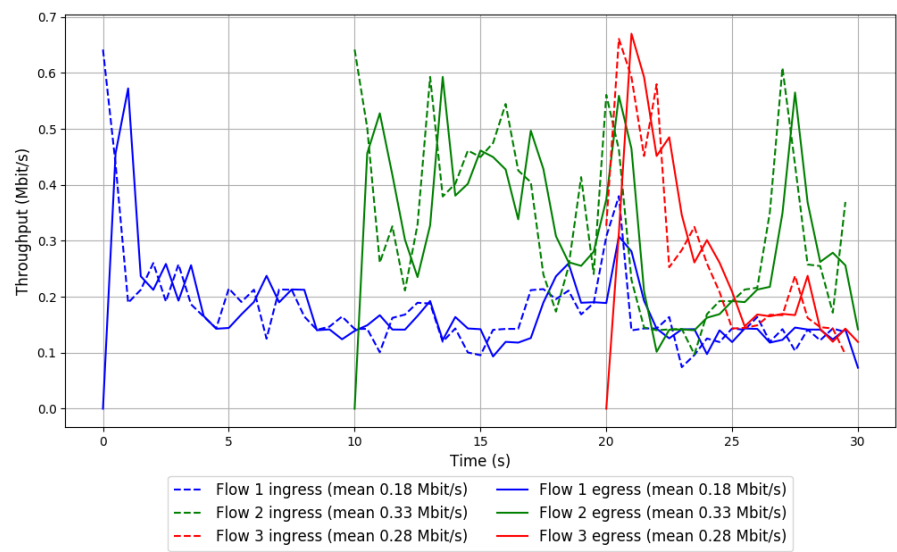


Run 10: Statistics of Sprout

Start at: 2018-05-31 03:33:04
End at: 2018-05-31 03:33:34
Local clock offset: 6.548 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-31 05:22:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 118.903 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 118.945 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 117.451 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 117.520 ms
Loss rate: 0.49%

Run 10: Report of Sprout — Data Link

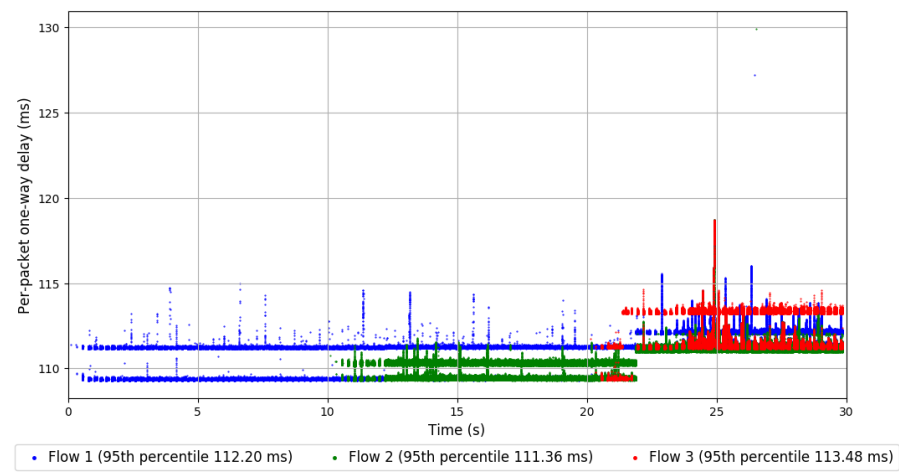
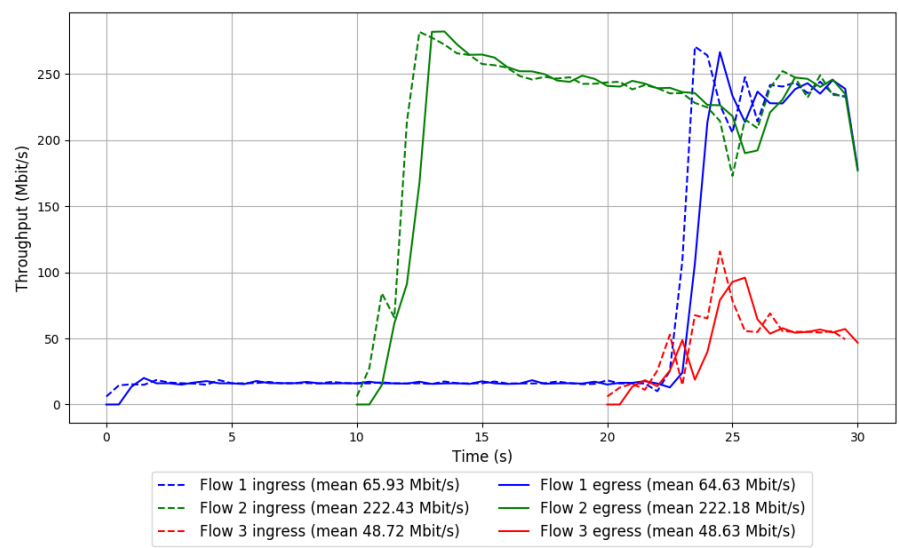


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-31 00:01:32
End at: 2018-05-31 00:02:02
Local clock offset: 0.191 ms
Remote clock offset: -0.461 ms

Below is generated by plot.py at 2018-05-31 05:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.00 Mbit/s
95th percentile per-packet one-way delay: 112.225 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 64.63 Mbit/s
95th percentile per-packet one-way delay: 112.200 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 222.18 Mbit/s
95th percentile per-packet one-way delay: 111.356 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 113.476 ms
Loss rate: 2.39%

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

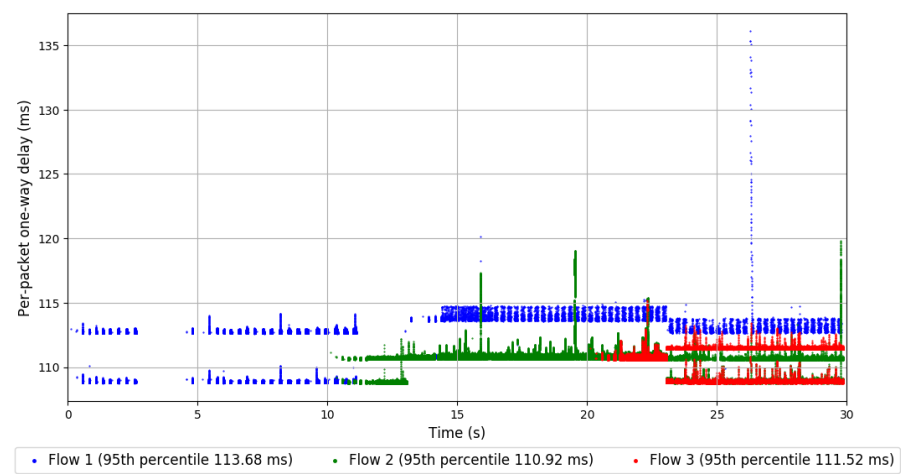
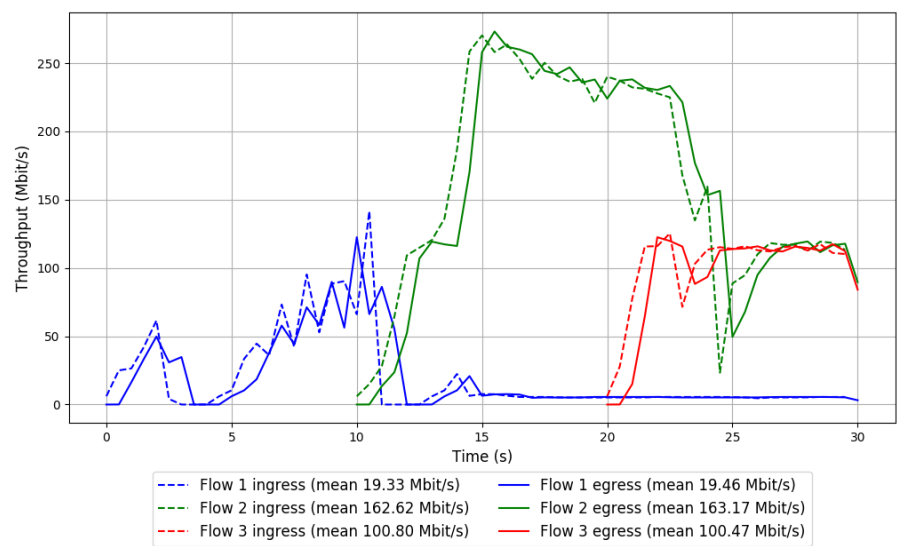


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-31 00:25:31
End at: 2018-05-31 00:26:01
Local clock offset: -0.084 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-05-31 05:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.64 Mbit/s
95th percentile per-packet one-way delay: 112.712 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 113.683 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 163.17 Mbit/s
95th percentile per-packet one-way delay: 110.919 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 100.47 Mbit/s
95th percentile per-packet one-way delay: 111.517 ms
Loss rate: 2.55%

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

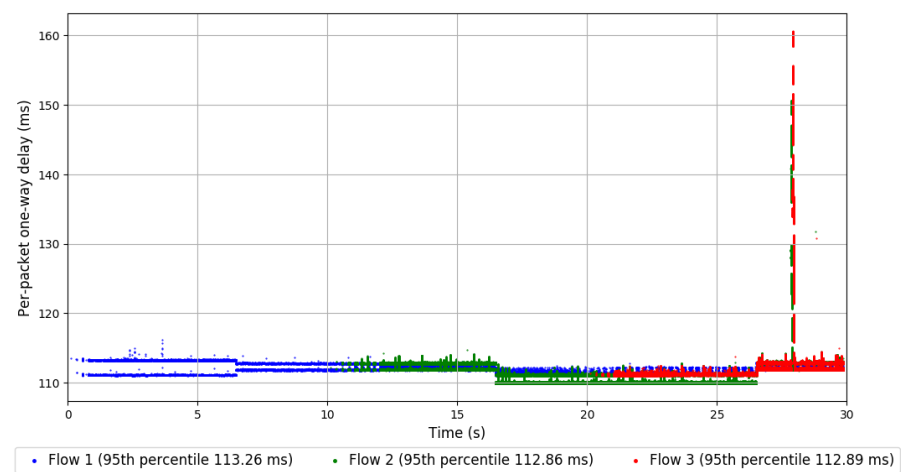
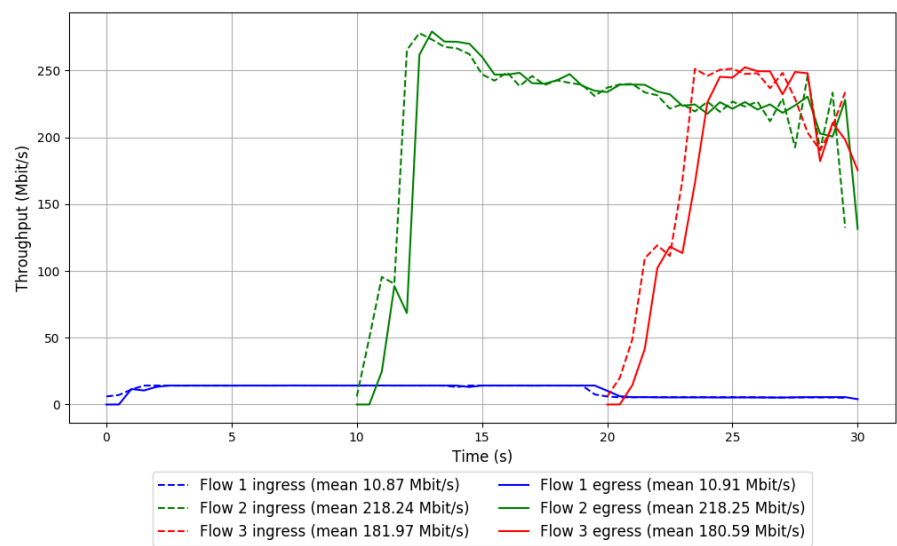


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-31 00:49:37
End at: 2018-05-31 00:50:07
Local clock offset: -0.065 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-05-31 05:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.88 Mbit/s
95th percentile per-packet one-way delay: 112.870 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 113.256 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 218.25 Mbit/s
95th percentile per-packet one-way delay: 112.855 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 180.59 Mbit/s
95th percentile per-packet one-way delay: 112.887 ms
Loss rate: 2.96%

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

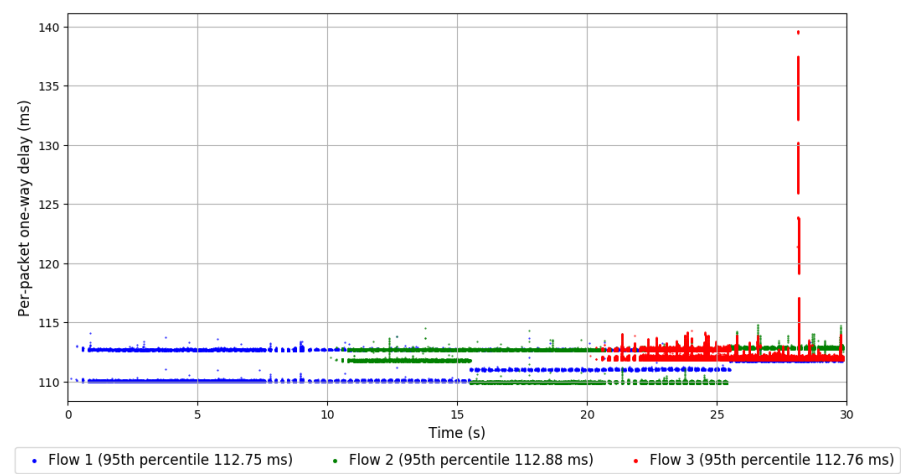
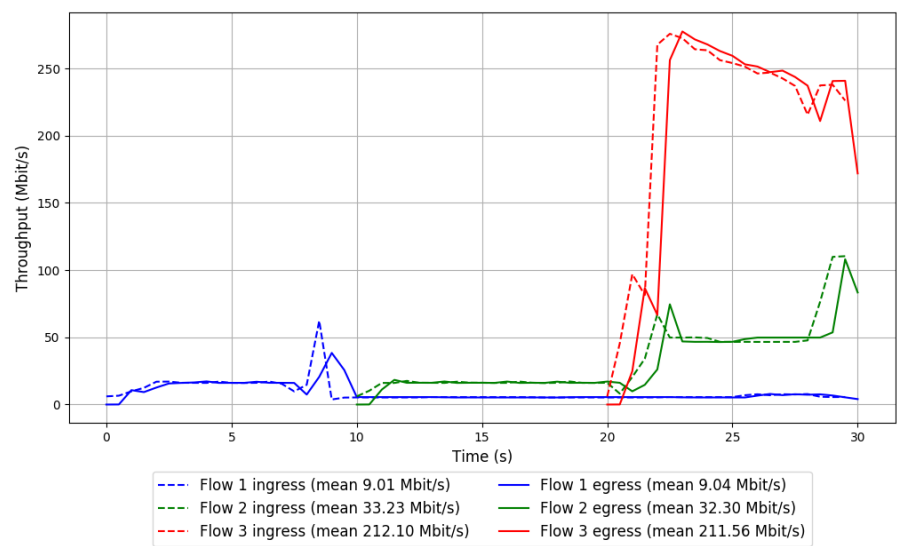


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-31 01:13:48
End at: 2018-05-31 01:14:18
Local clock offset: -0.121 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-05-31 05:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.69 Mbit/s
95th percentile per-packet one-way delay: 112.821 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 9.04 Mbit/s
95th percentile per-packet one-way delay: 112.754 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 112.879 ms
Loss rate: 3.89%
-- Flow 3:
Average throughput: 211.56 Mbit/s
95th percentile per-packet one-way delay: 112.764 ms
Loss rate: 2.51%

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

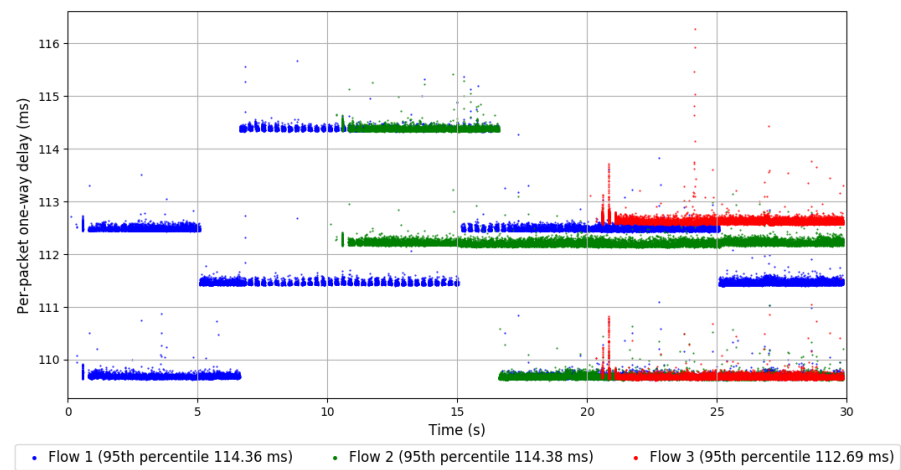
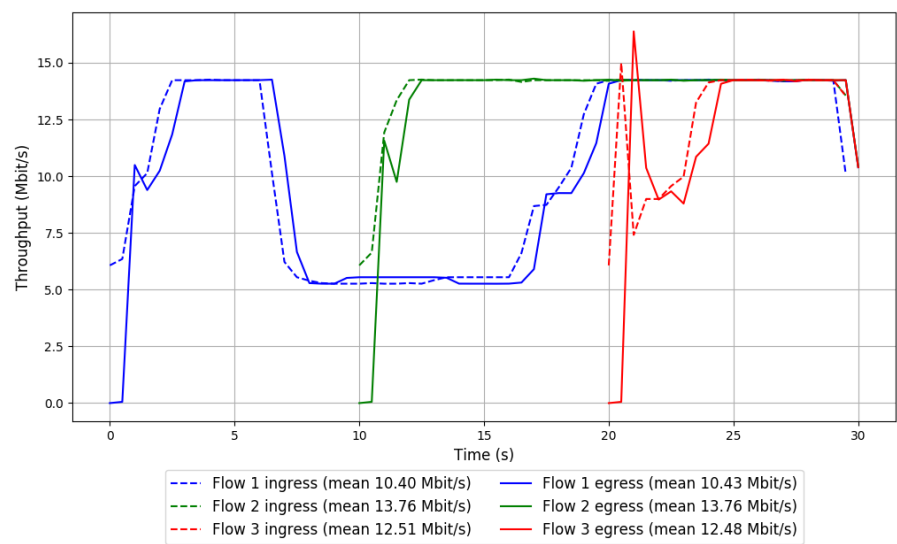


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-31 01:37:37
End at: 2018-05-31 01:38:07
Local clock offset: -0.044 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-05-31 05:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 114.366 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 10.43 Mbit/s
95th percentile per-packet one-way delay: 114.364 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 114.378 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 112.686 ms
Loss rate: 2.51%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-31 02:01:38

End at: 2018-05-31 02:02:08

Local clock offset: -0.23 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-31 05:25:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.74 Mbit/s

95th percentile per-packet one-way delay: 112.418 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 179.19 Mbit/s

95th percentile per-packet one-way delay: 110.924 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 19.66 Mbit/s

95th percentile per-packet one-way delay: 112.496 ms

Loss rate: 0.94%

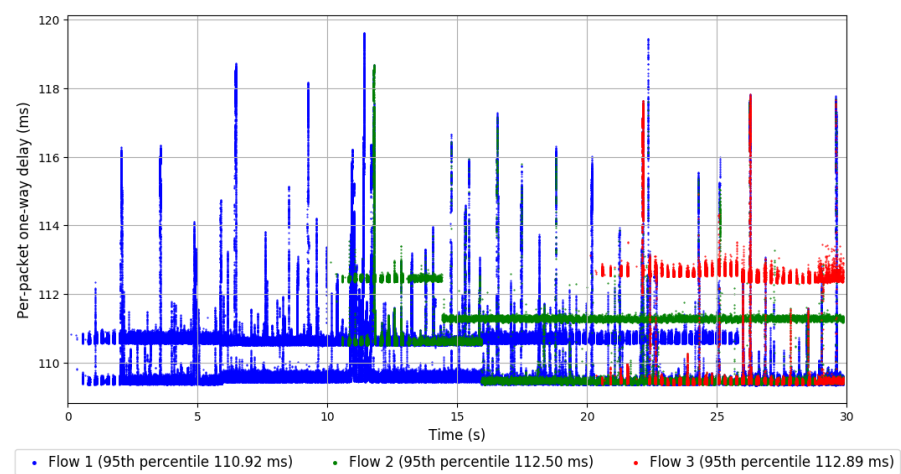
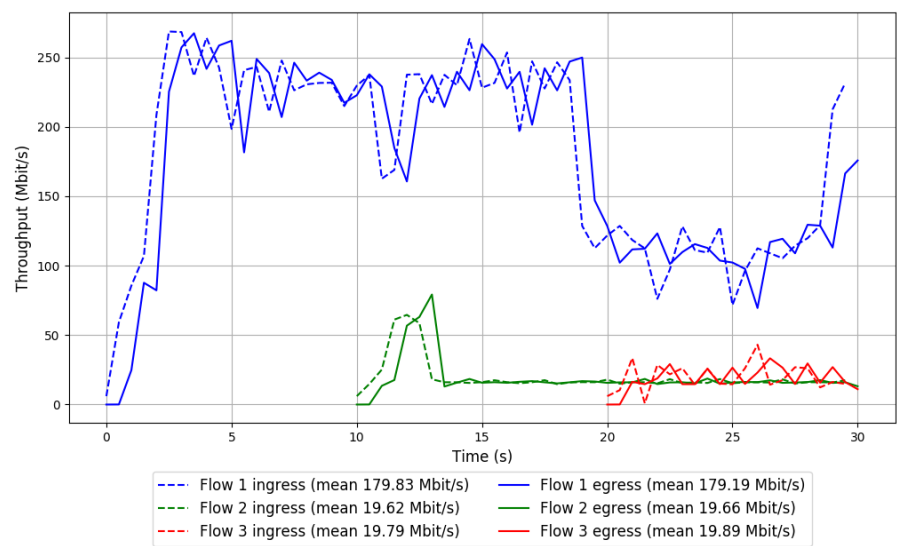
-- Flow 3:

Average throughput: 19.89 Mbit/s

95th percentile per-packet one-way delay: 112.895 ms

Loss rate: 1.76%

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

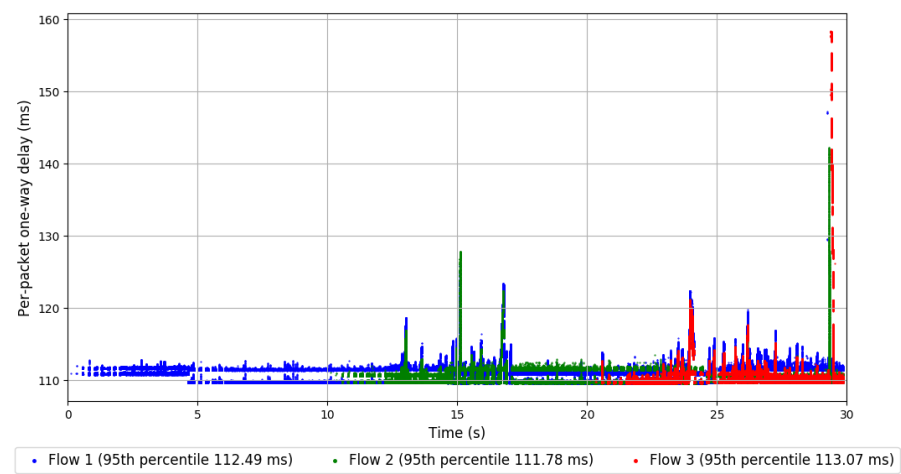
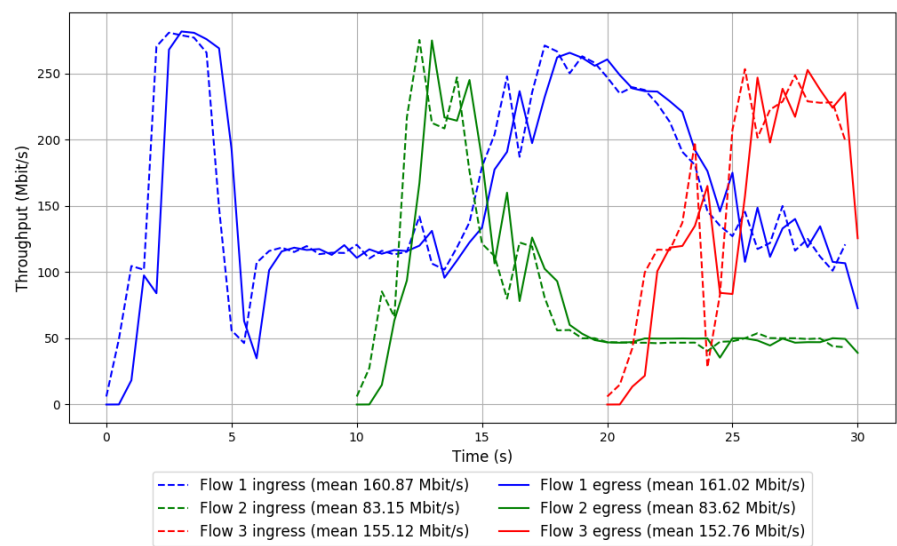


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-31 02:25:49
End at: 2018-05-31 02:26:19
Local clock offset: -0.096 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-31 05:28:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.56 Mbit/s
95th percentile per-packet one-way delay: 112.400 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 161.02 Mbit/s
95th percentile per-packet one-way delay: 112.489 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 111.782 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 152.76 Mbit/s
95th percentile per-packet one-way delay: 113.069 ms
Loss rate: 3.72%

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

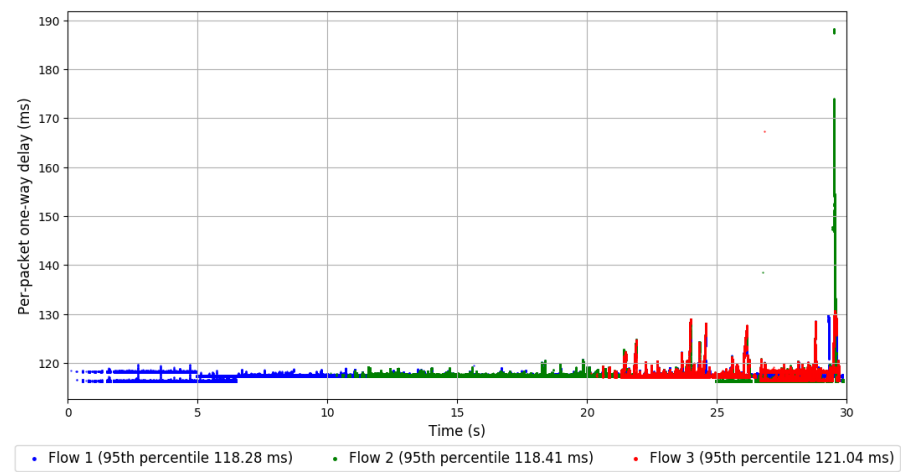
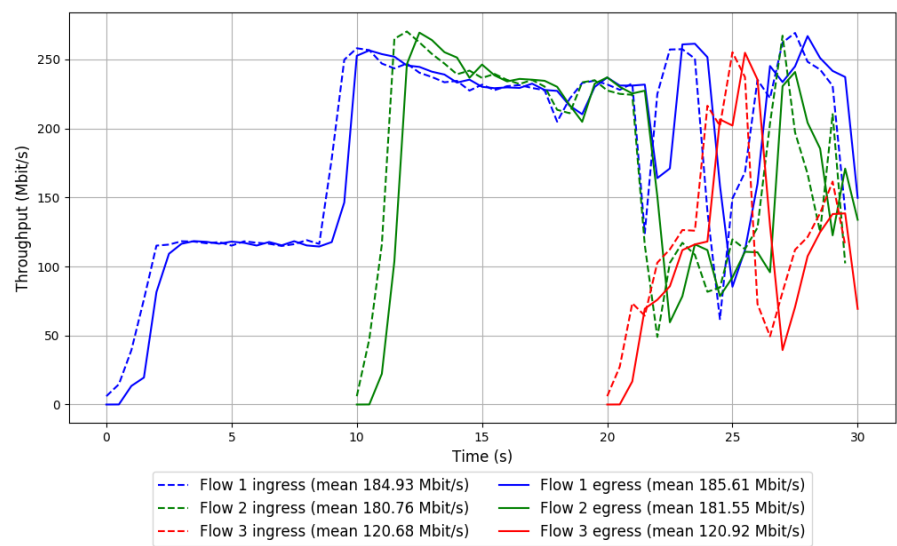


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-31 02:49:57
End at: 2018-05-31 02:50:27
Local clock offset: 6.518 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-31 05:30:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 344.66 Mbit/s
95th percentile per-packet one-way delay: 118.507 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 185.61 Mbit/s
95th percentile per-packet one-way delay: 118.284 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 181.55 Mbit/s
95th percentile per-packet one-way delay: 118.412 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 120.92 Mbit/s
95th percentile per-packet one-way delay: 121.042 ms
Loss rate: 3.83%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-31 03:14:26

End at: 2018-05-31 03:14:56

Local clock offset: -0.224 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-31 05:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.86 Mbit/s

95th percentile per-packet one-way delay: 112.615 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 171.48 Mbit/s

95th percentile per-packet one-way delay: 112.629 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 181.16 Mbit/s

95th percentile per-packet one-way delay: 112.457 ms

Loss rate: 0.30%

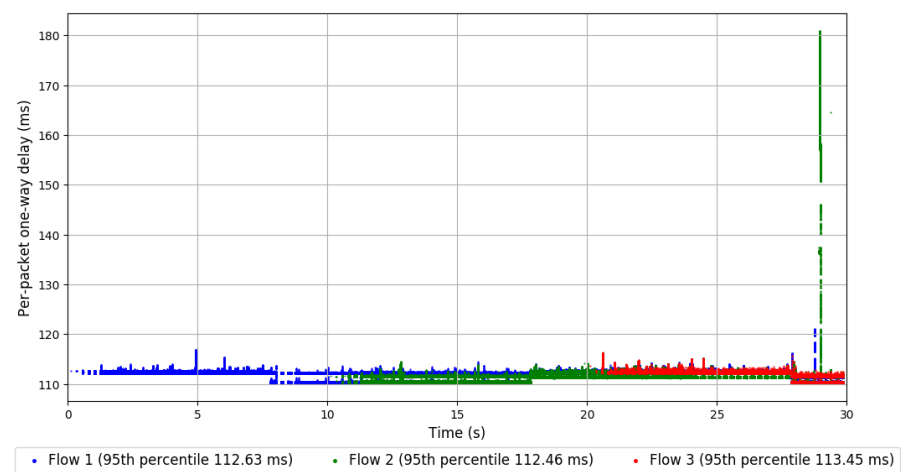
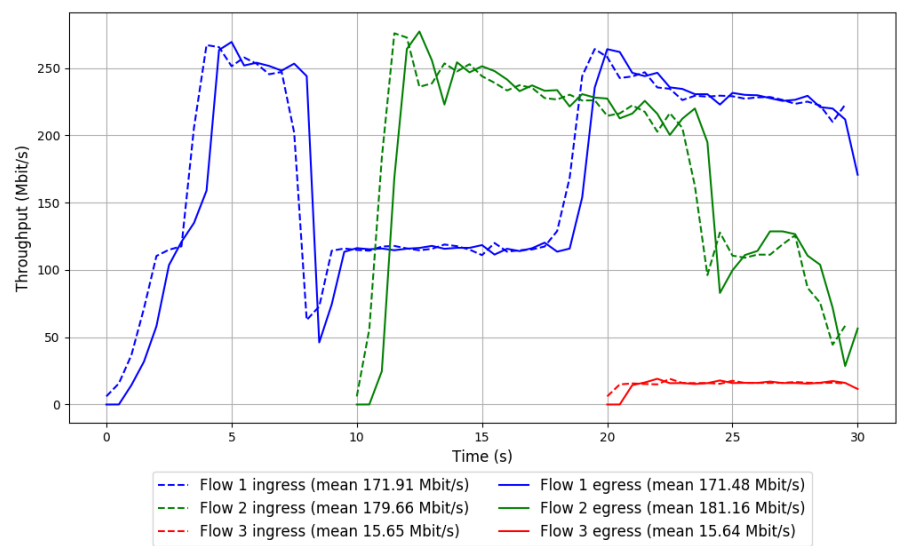
-- Flow 3:

Average throughput: 15.64 Mbit/s

95th percentile per-packet one-way delay: 113.454 ms

Loss rate: 2.34%

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

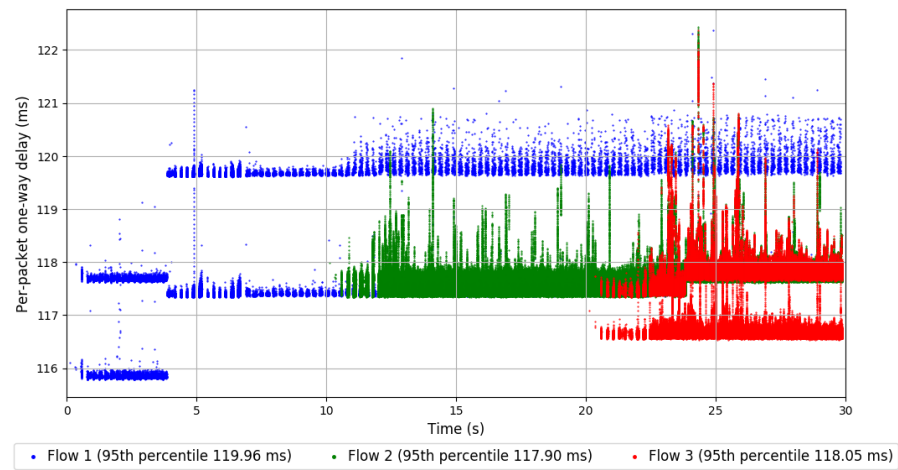
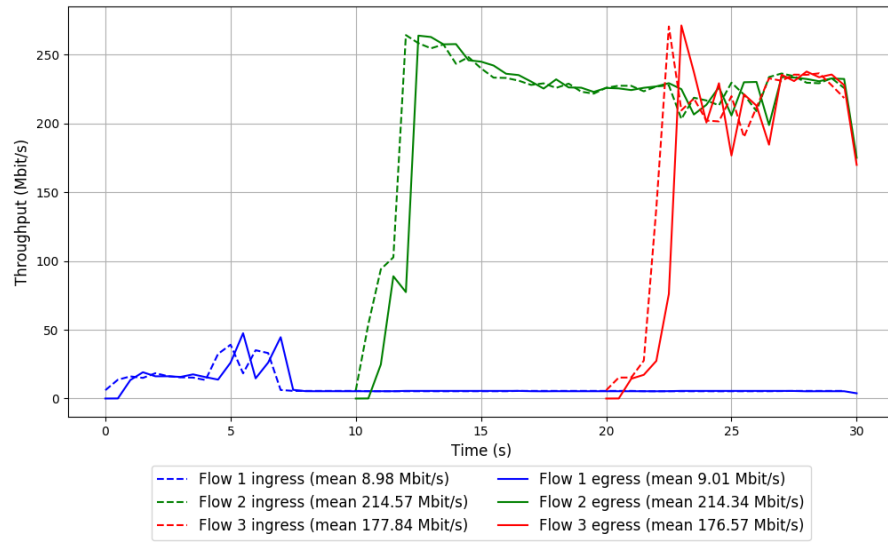


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-31 03:38:50
End at: 2018-05-31 03:39:20
Local clock offset: 6.553 ms
Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-05-31 05:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.02 Mbit/s
95th percentile per-packet one-way delay: 118.034 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 119.956 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 214.34 Mbit/s
95th percentile per-packet one-way delay: 117.904 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 176.57 Mbit/s
95th percentile per-packet one-way delay: 118.045 ms
Loss rate: 2.93%

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

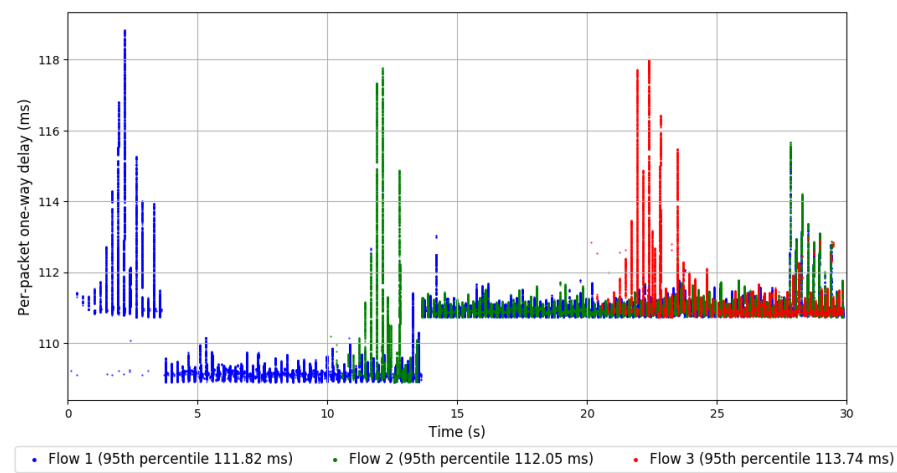
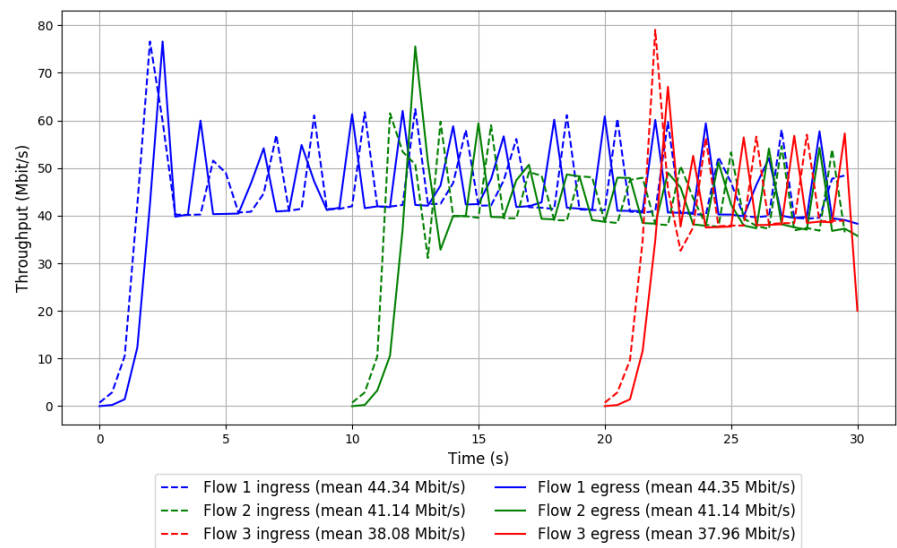


Run 1: Statistics of TCP Vegas

Start at: 2018-05-30 23:54:30
End at: 2018-05-30 23:55:00
Local clock offset: 0.175 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-31 05:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 112.231 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 44.35 Mbit/s
95th percentile per-packet one-way delay: 111.817 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 112.051 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 113.742 ms
Loss rate: 2.55%

Run 1: Report of TCP Vegas — Data Link

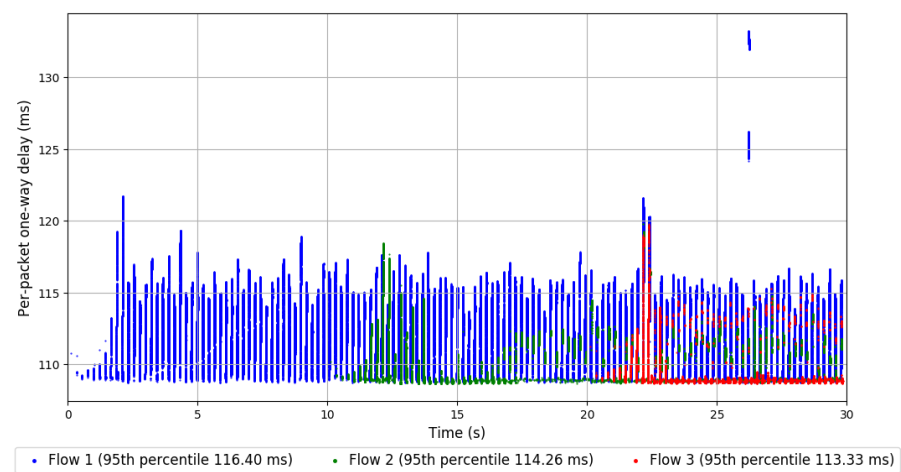
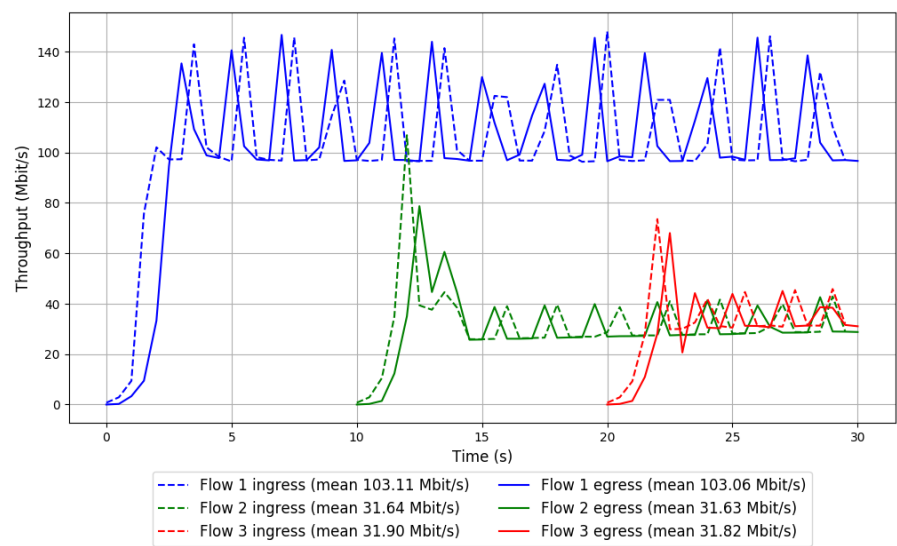


Run 2: Statistics of TCP Vegas

Start at: 2018-05-31 00:18:27
End at: 2018-05-31 00:18:57
Local clock offset: -0.063 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-05-31 05:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.29 Mbit/s
95th percentile per-packet one-way delay: 116.207 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 116.402 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 114.262 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 113.329 ms
Loss rate: 2.48%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-31 00:42:38

End at: 2018-05-31 00:43:08

Local clock offset: -0.227 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-31 05:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 114.599 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 115.447 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 19.91 Mbit/s

95th percentile per-packet one-way delay: 113.928 ms

Loss rate: 1.18%

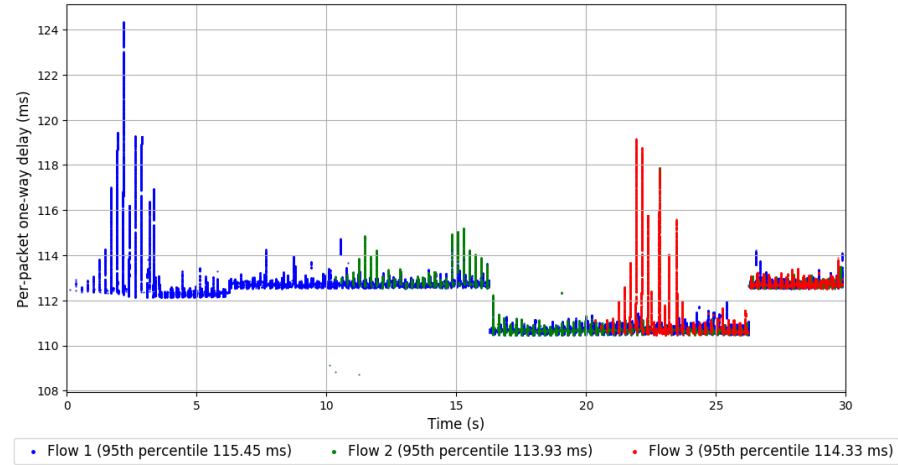
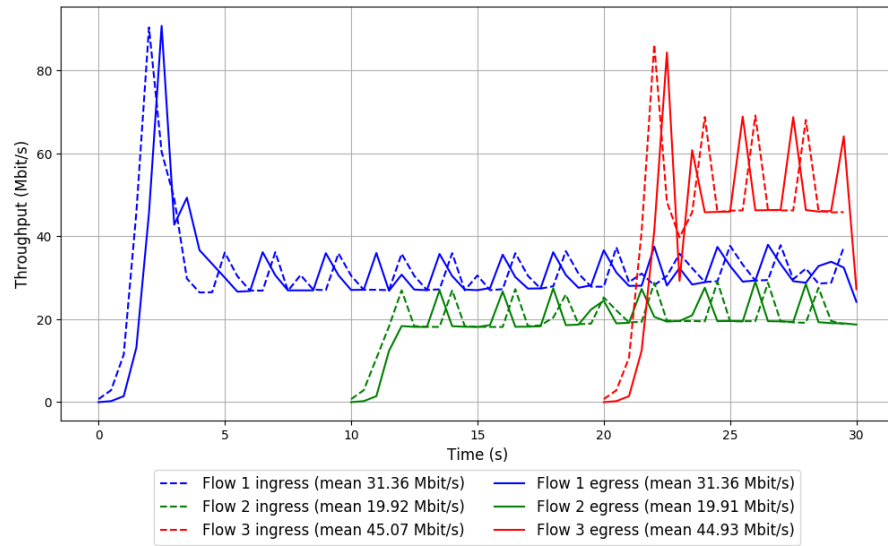
-- Flow 3:

Average throughput: 44.93 Mbit/s

95th percentile per-packet one-way delay: 114.326 ms

Loss rate: 2.54%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-31 01:06:44

End at: 2018-05-31 01:07:14

Local clock offset: -0.078 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-05-31 05:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 113.357 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 113.348 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 33.17 Mbit/s

95th percentile per-packet one-way delay: 113.686 ms

Loss rate: 1.21%

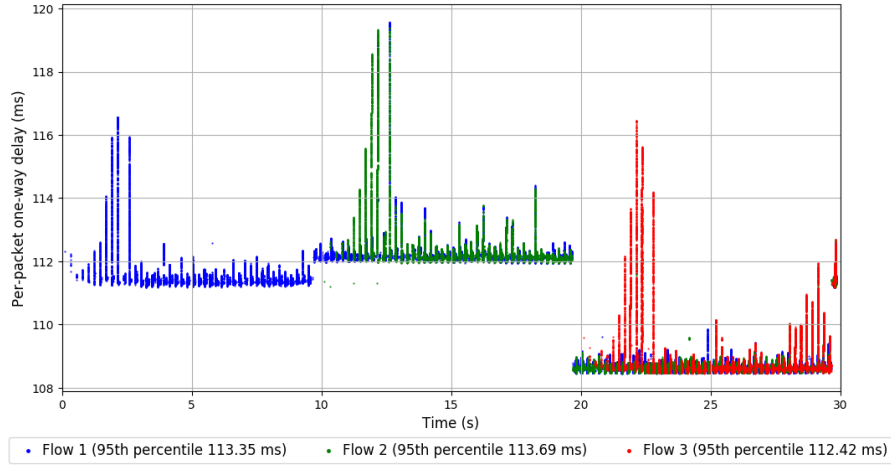
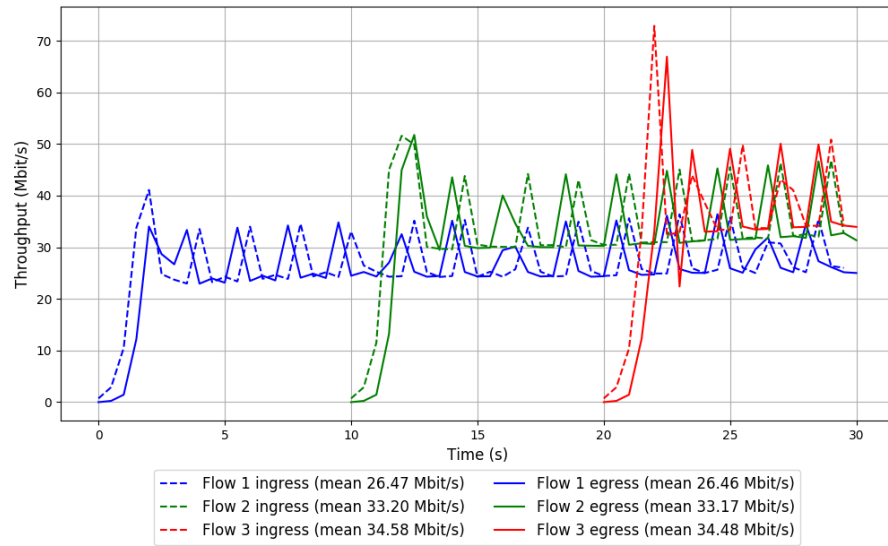
-- Flow 3:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 112.419 ms

Loss rate: 2.49%

Run 4: Report of TCP Vegas — Data Link

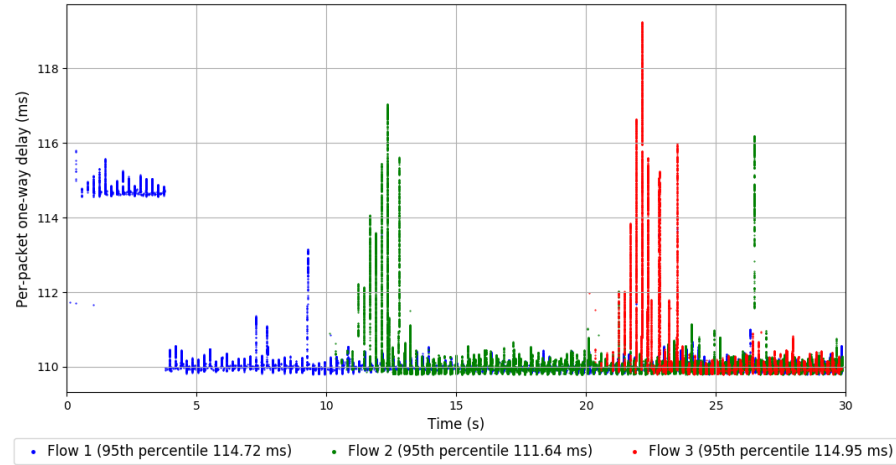
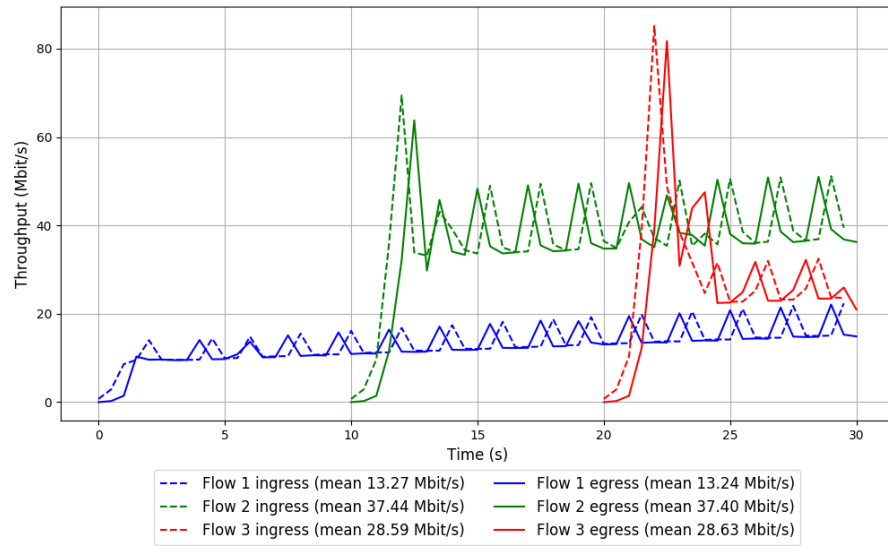


Run 5: Statistics of TCP Vegas

Start at: 2018-05-31 01:30:40
End at: 2018-05-31 01:31:10
Local clock offset: 0.187 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-31 05:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 113.726 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 114.724 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 111.645 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 114.952 ms
Loss rate: 2.08%

Run 5: Report of TCP Vegas — Data Link

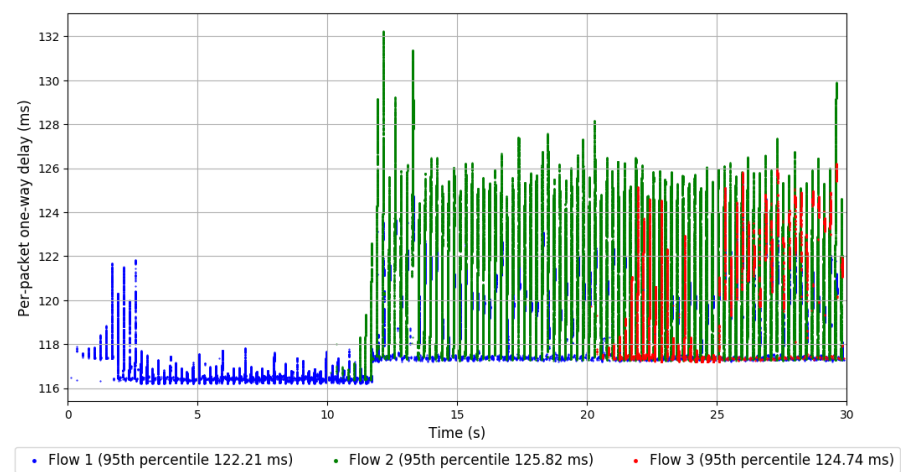
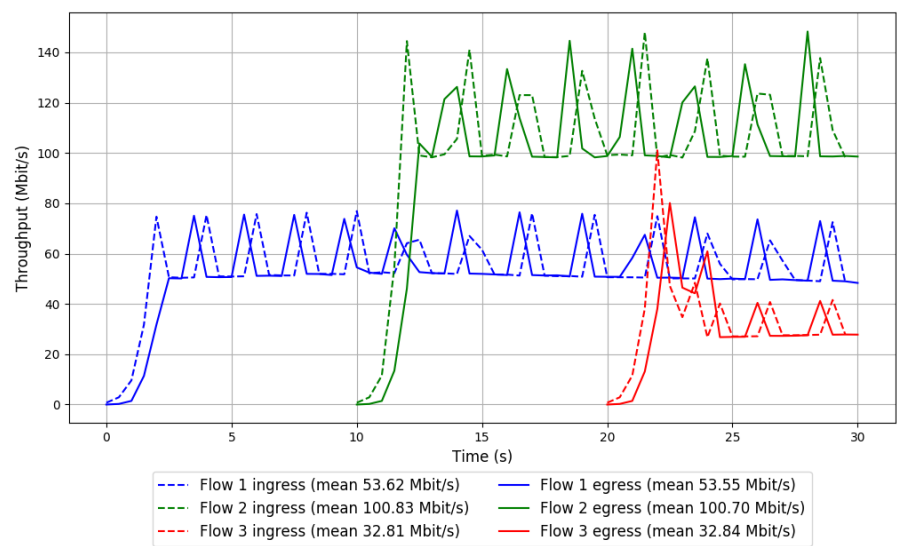


Run 6: Statistics of TCP Vegas

Start at: 2018-05-31 01:54:32
End at: 2018-05-31 01:55:02
Local clock offset: 6.569 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-31 05:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.90 Mbit/s
95th percentile per-packet one-way delay: 125.225 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 122.214 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 100.70 Mbit/s
95th percentile per-packet one-way delay: 125.819 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 124.737 ms
Loss rate: 2.14%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-31 02:18:45

End at: 2018-05-31 02:19:15

Local clock offset: -0.069 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2018-05-31 05:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.55 Mbit/s

95th percentile per-packet one-way delay: 117.346 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 103.90 Mbit/s

95th percentile per-packet one-way delay: 117.579 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 111.297 ms

Loss rate: 1.25%

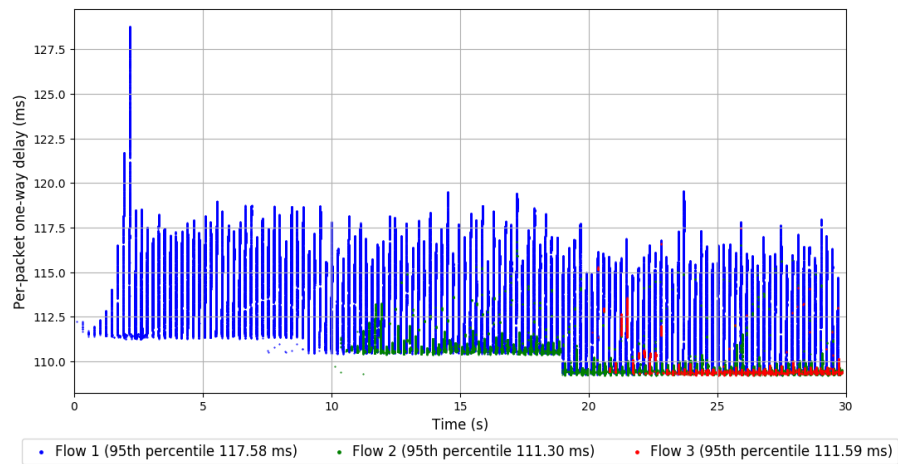
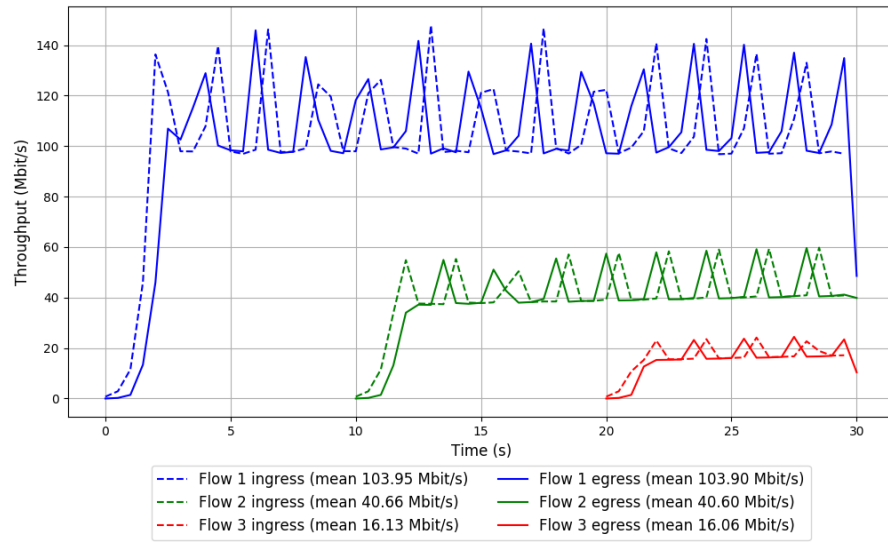
-- Flow 3:

Average throughput: 16.06 Mbit/s

95th percentile per-packet one-way delay: 111.587 ms

Loss rate: 2.65%

Run 7: Report of TCP Vegas — Data Link

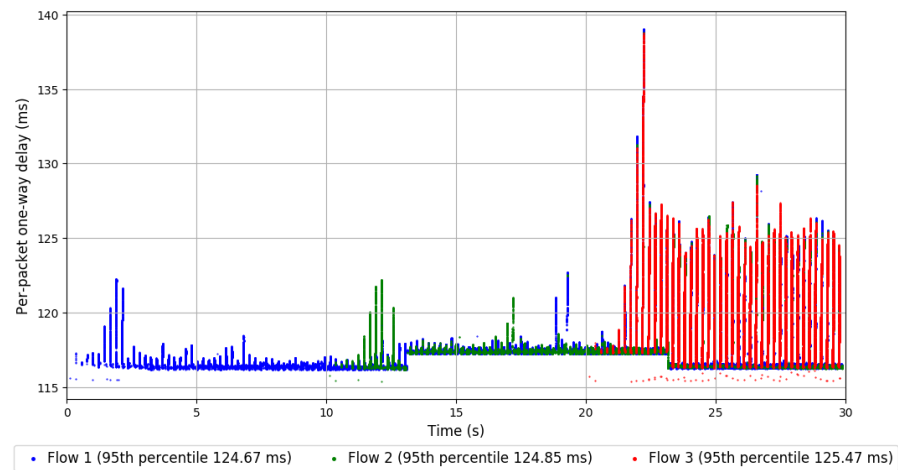
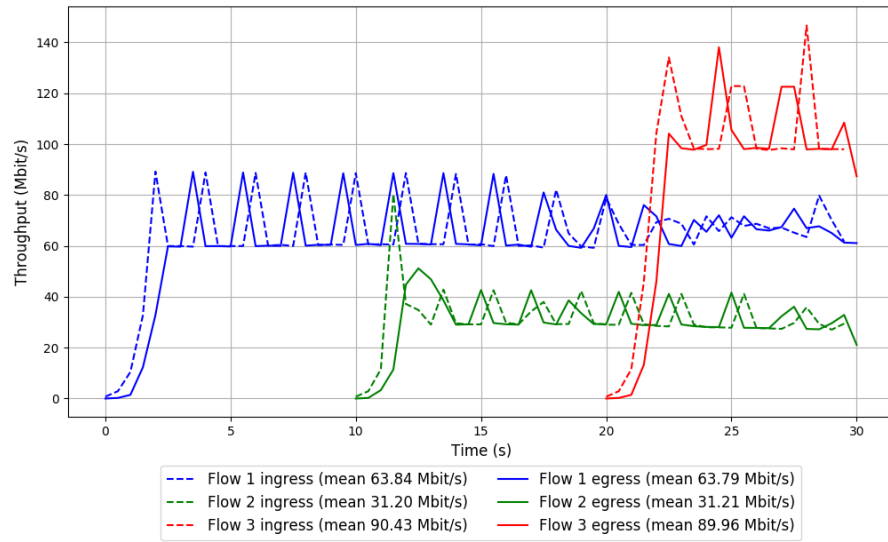


Run 8: Statistics of TCP Vegas

Start at: 2018-05-31 02:43:01
End at: 2018-05-31 02:43:31
Local clock offset: 6.376 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-31 05:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.59 Mbit/s
95th percentile per-packet one-way delay: 124.990 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 124.675 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 124.850 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 125.469 ms
Loss rate: 2.74%

Run 8: Report of TCP Vegas — Data Link

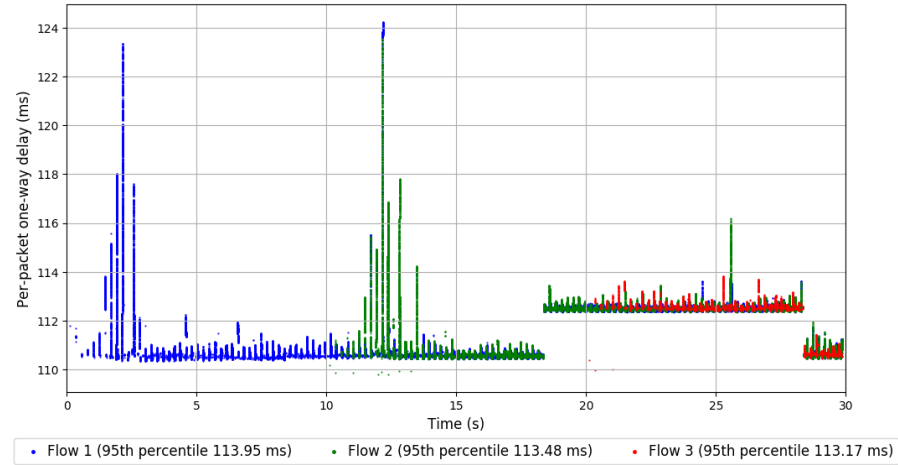
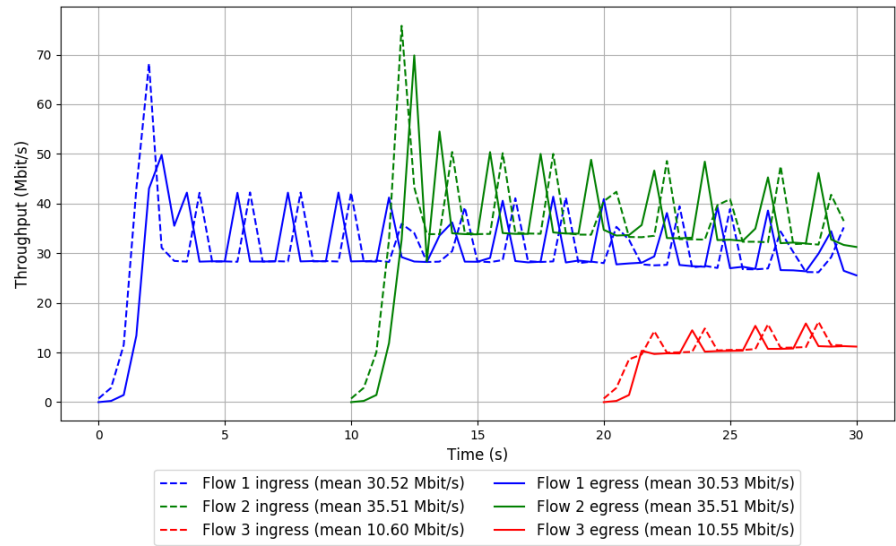


Run 9: Statistics of TCP Vegas

Start at: 2018-05-31 03:07:25
End at: 2018-05-31 03:07:55
Local clock offset: -0.04 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-31 05:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 113.561 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 113.947 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 113.478 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 113.174 ms
Loss rate: 2.68%

Run 9: Report of TCP Vegas — Data Link

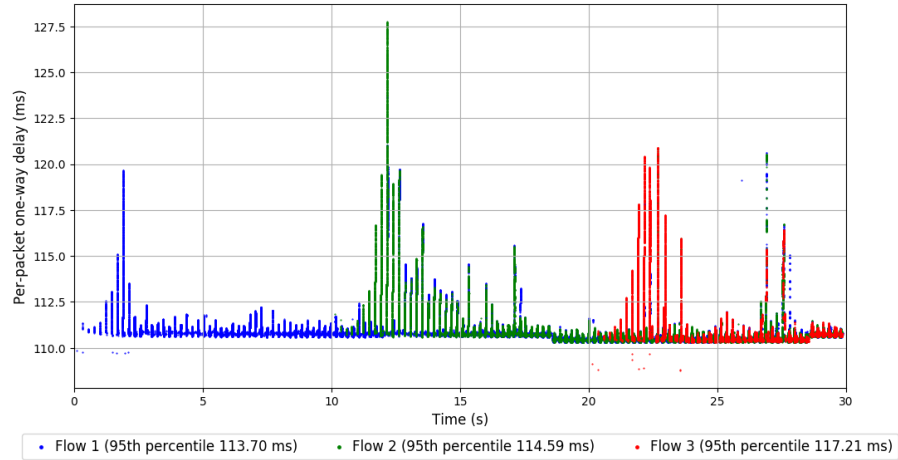
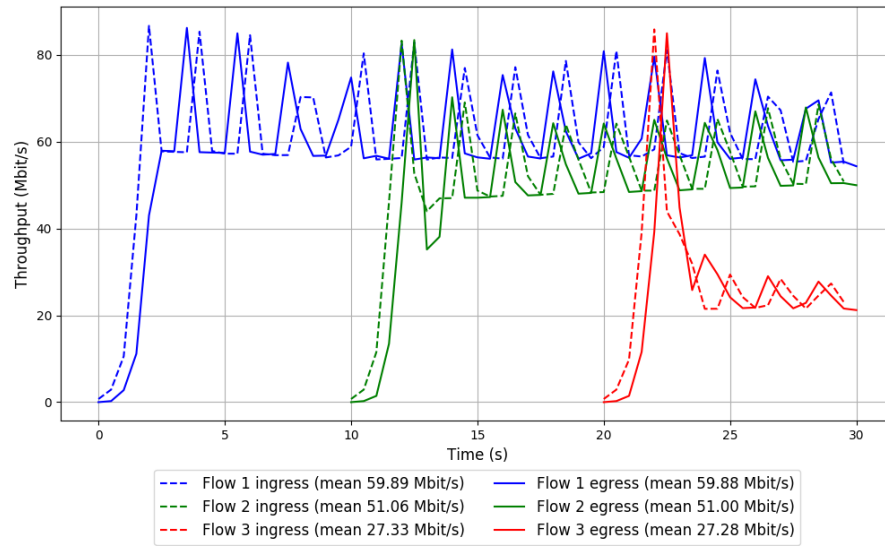


Run 10: Statistics of TCP Vegas

Start at: 2018-05-31 03:31:45
End at: 2018-05-31 03:32:15
Local clock offset: -0.059 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-31 05:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.60 Mbit/s
95th percentile per-packet one-way delay: 114.436 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 59.88 Mbit/s
95th percentile per-packet one-way delay: 113.699 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 51.00 Mbit/s
95th percentile per-packet one-way delay: 114.595 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 27.28 Mbit/s
95th percentile per-packet one-way delay: 117.211 ms
Loss rate: 1.98%

Run 10: Report of TCP Vegas — Data Link

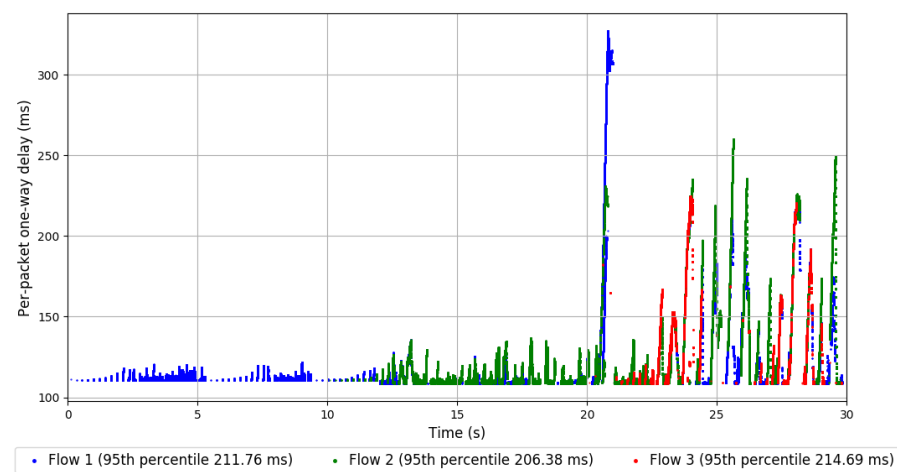
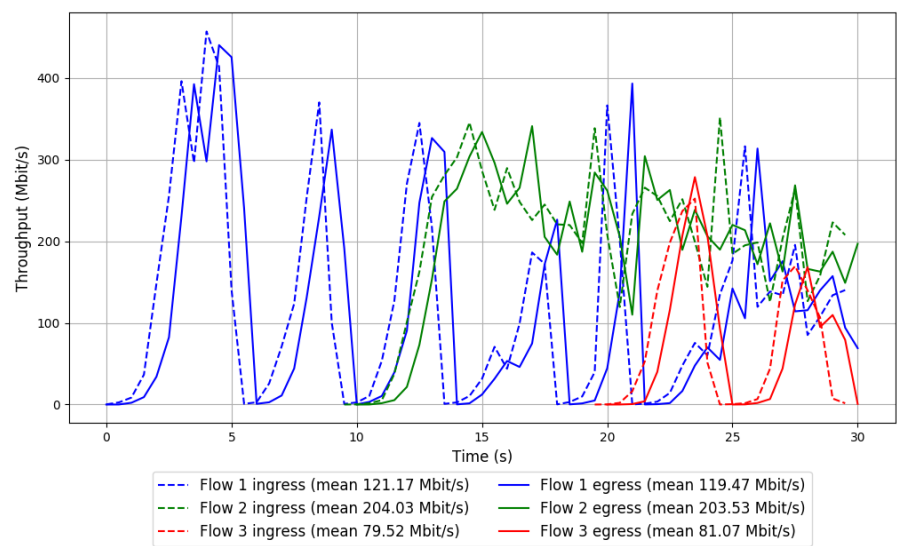


Run 1: Statistics of Verus

Start at: 2018-05-30 23:58:22
End at: 2018-05-30 23:58:52
Local clock offset: -0.013 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-31 05:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.63 Mbit/s
95th percentile per-packet one-way delay: 210.728 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 119.47 Mbit/s
95th percentile per-packet one-way delay: 211.758 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 203.53 Mbit/s
95th percentile per-packet one-way delay: 206.384 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 214.694 ms
Loss rate: 0.31%

Run 1: Report of Verus — Data Link

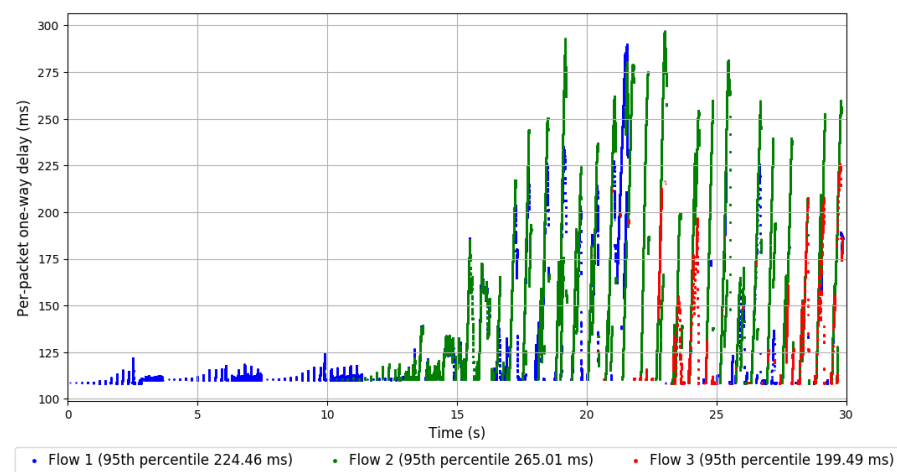
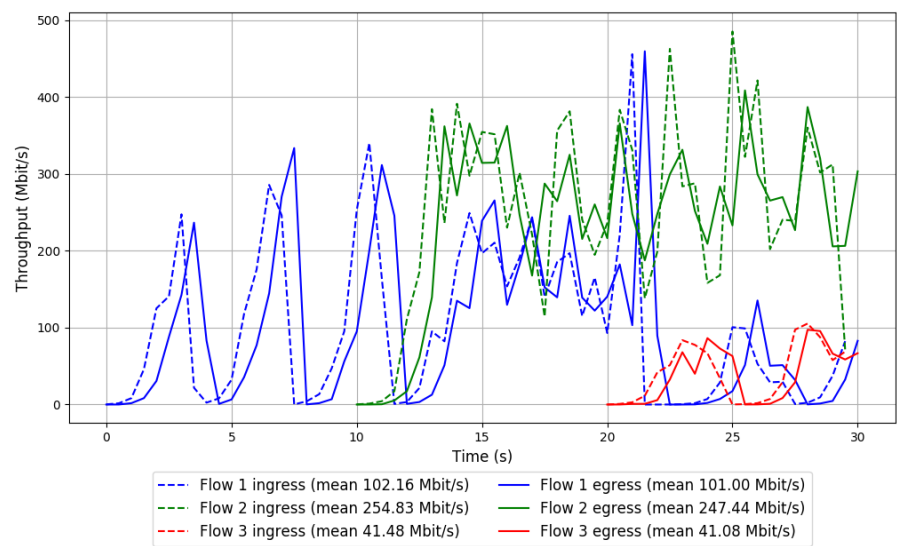


Run 2: Statistics of Verus

Start at: 2018-05-31 00:22:21
End at: 2018-05-31 00:22:51
Local clock offset: -0.403 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-31 05:33:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.20 Mbit/s
95th percentile per-packet one-way delay: 255.282 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 101.00 Mbit/s
95th percentile per-packet one-way delay: 224.461 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 247.44 Mbit/s
95th percentile per-packet one-way delay: 265.008 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 199.491 ms
Loss rate: 3.93%

Run 2: Report of Verus — Data Link

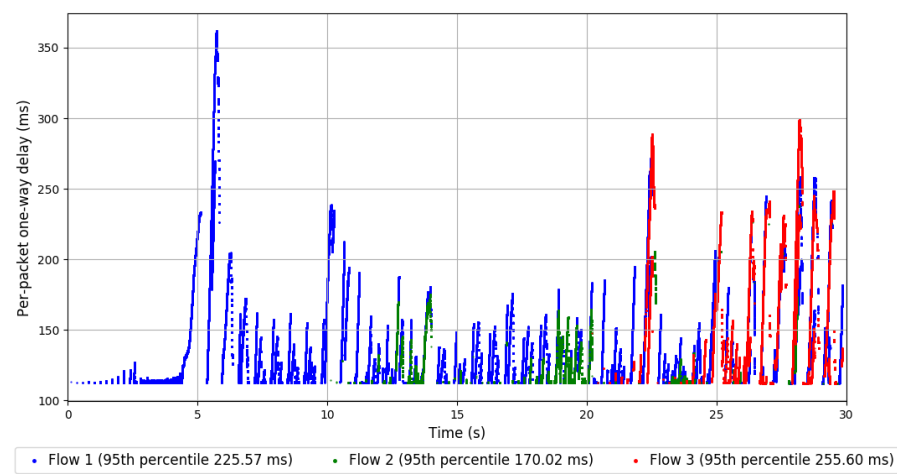
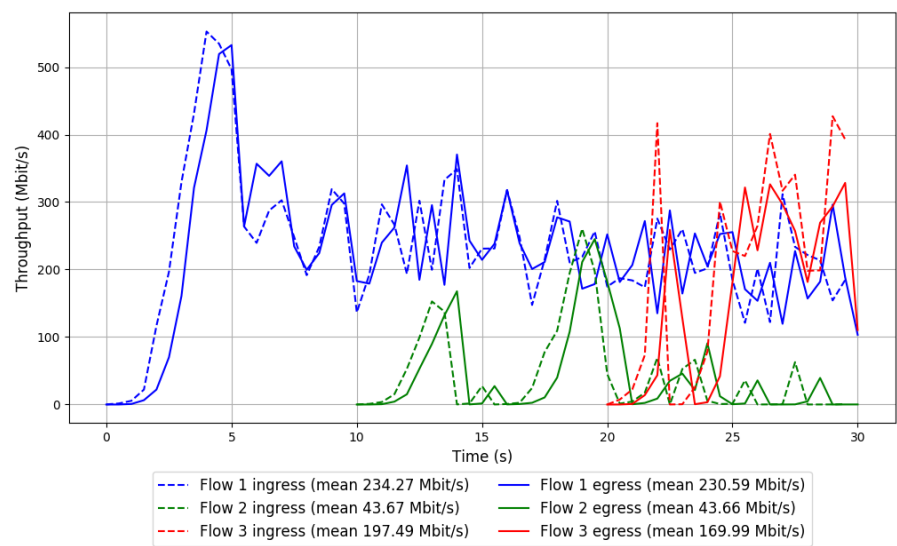


Run 3: Statistics of Verus

Start at: 2018-05-31 00:46:27
End at: 2018-05-31 00:46:57
Local clock offset: -0.143 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-31 05:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.51 Mbit/s
95th percentile per-packet one-way delay: 233.866 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 230.59 Mbit/s
95th percentile per-packet one-way delay: 225.572 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 170.017 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 169.99 Mbit/s
95th percentile per-packet one-way delay: 255.604 ms
Loss rate: 16.03%

Run 3: Report of Verus — Data Link

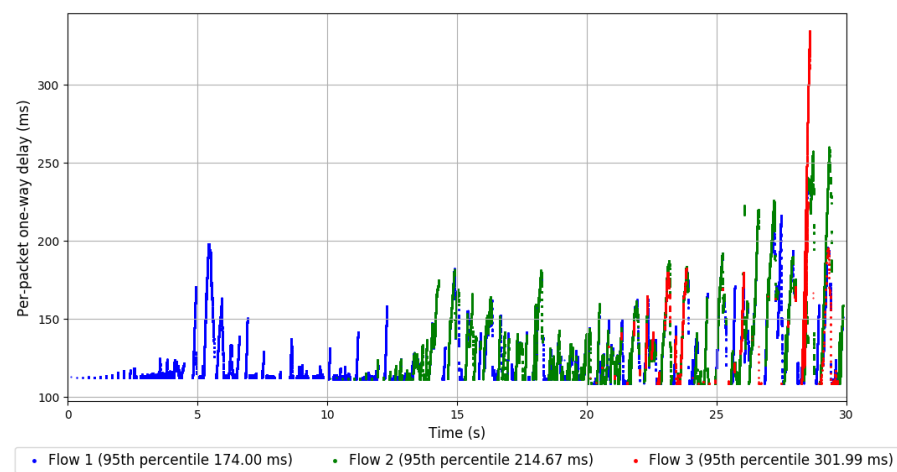
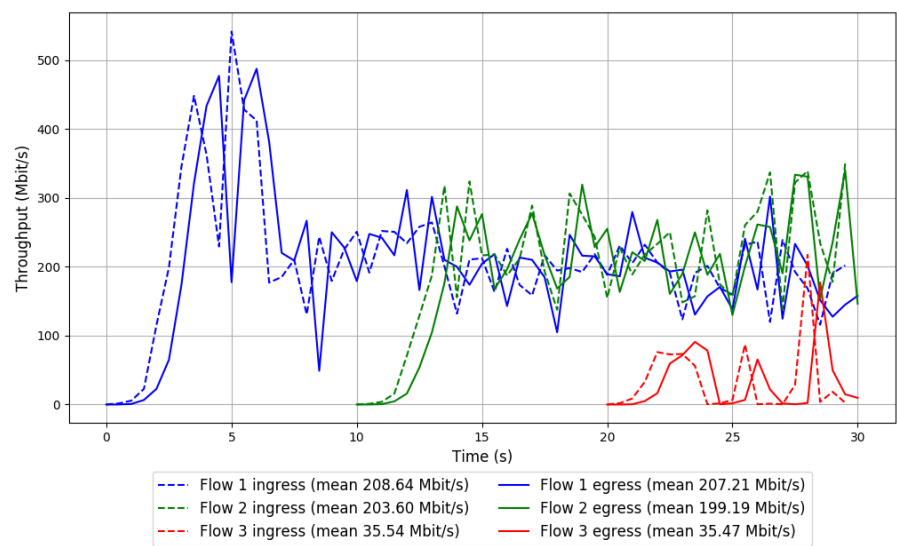


Run 4: Statistics of Verus

Start at: 2018-05-31 01:10:34
End at: 2018-05-31 01:11:04
Local clock offset: -0.167 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-31 05:34:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.69 Mbit/s
95th percentile per-packet one-way delay: 189.328 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 207.21 Mbit/s
95th percentile per-packet one-way delay: 173.996 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 199.19 Mbit/s
95th percentile per-packet one-way delay: 214.669 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 301.985 ms
Loss rate: 2.51%

Run 4: Report of Verus — Data Link

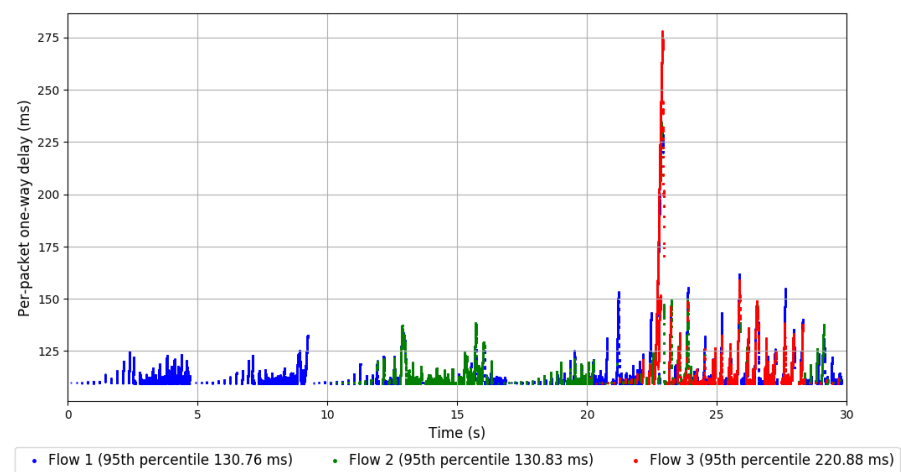
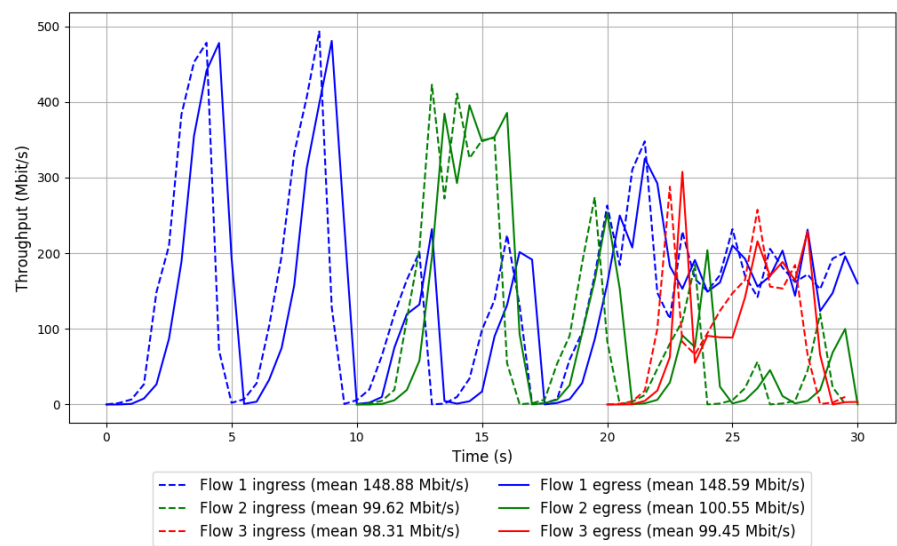


Run 5: Statistics of Verus

Start at: 2018-05-31 01:34:30
End at: 2018-05-31 01:35:00
Local clock offset: -0.001 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-31 05:34:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.99 Mbit/s
95th percentile per-packet one-way delay: 136.706 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 148.59 Mbit/s
95th percentile per-packet one-way delay: 130.760 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 100.55 Mbit/s
95th percentile per-packet one-way delay: 130.826 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 99.45 Mbit/s
95th percentile per-packet one-way delay: 220.880 ms
Loss rate: 1.17%

Run 5: Report of Verus — Data Link

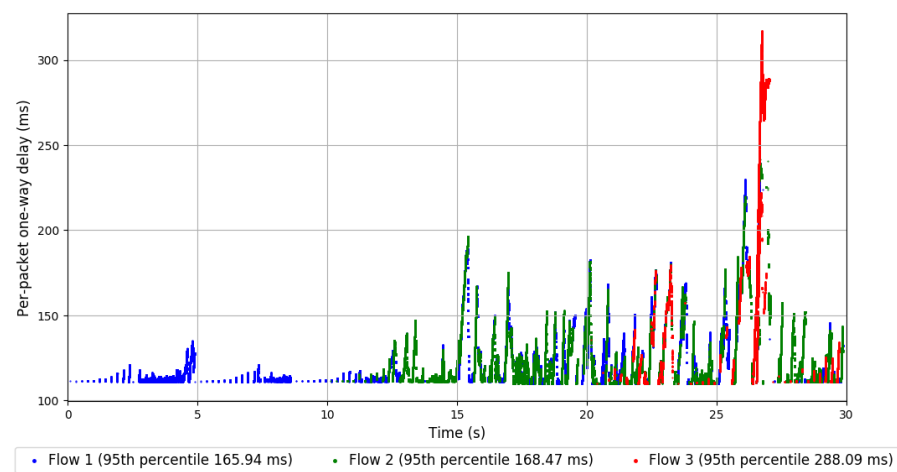
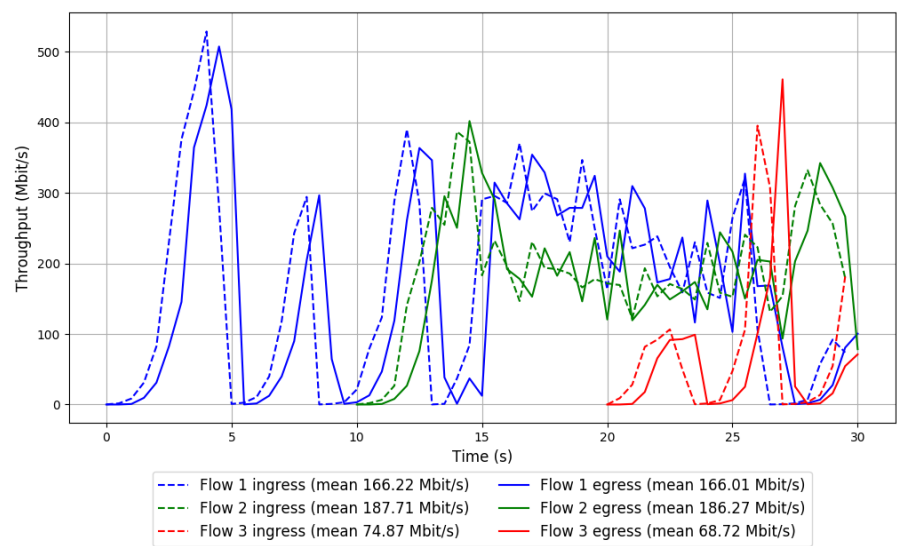


Run 6: Statistics of Verus

Start at: 2018-05-31 01:58:27
End at: 2018-05-31 01:58:57
Local clock offset: -0.029 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-05-31 05:35:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.63 Mbit/s
95th percentile per-packet one-way delay: 177.948 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 166.01 Mbit/s
95th percentile per-packet one-way delay: 165.941 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 186.27 Mbit/s
95th percentile per-packet one-way delay: 168.474 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 68.72 Mbit/s
95th percentile per-packet one-way delay: 288.090 ms
Loss rate: 11.80%

Run 6: Report of Verus — Data Link

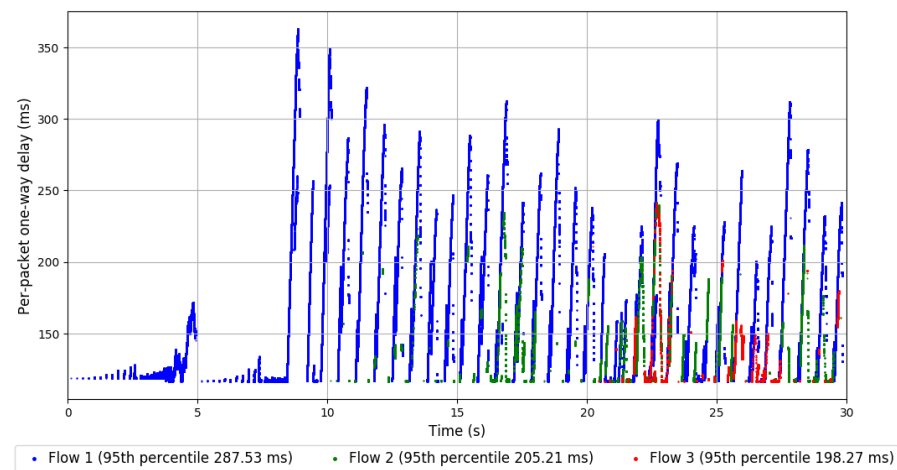
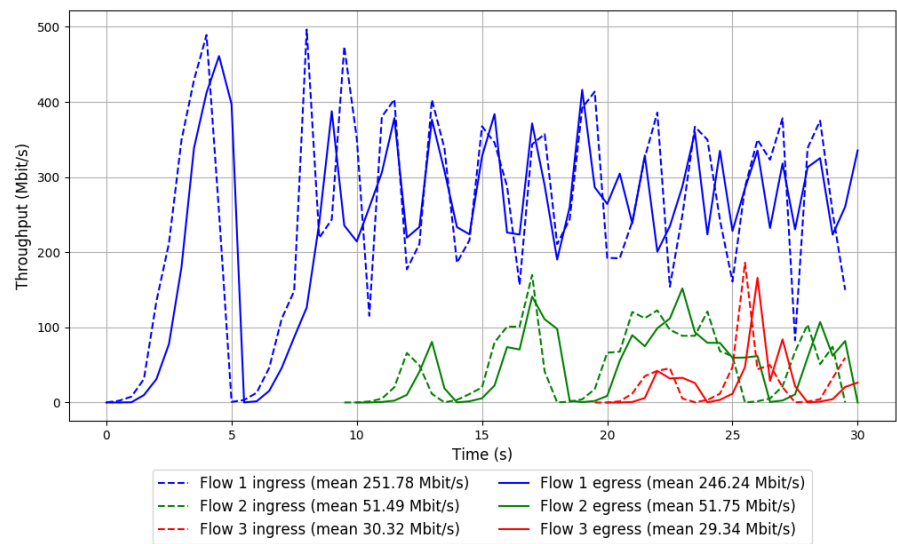


Run 7: Statistics of Verus

Start at: 2018-05-31 02:22:40
End at: 2018-05-31 02:23:10
Local clock offset: 6.486 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-05-31 05:35:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.82 Mbit/s
95th percentile per-packet one-way delay: 283.827 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 246.24 Mbit/s
95th percentile per-packet one-way delay: 287.530 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 205.211 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 198.272 ms
Loss rate: 7.76%

Run 7: Report of Verus — Data Link

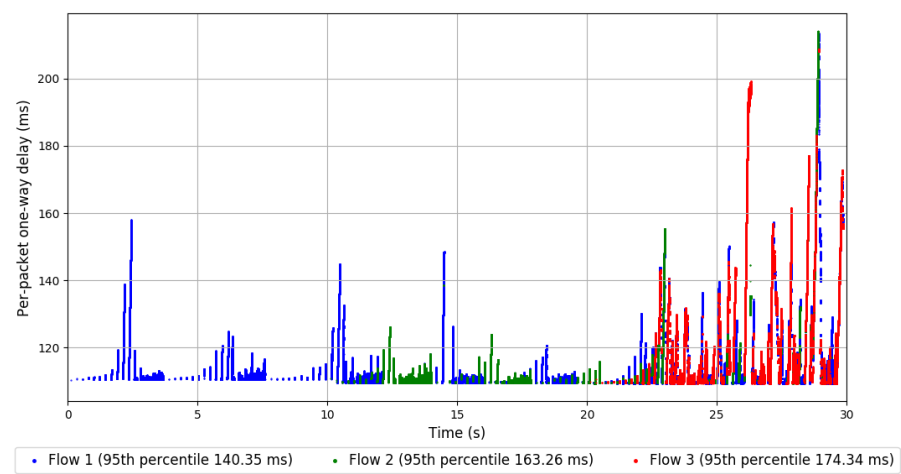
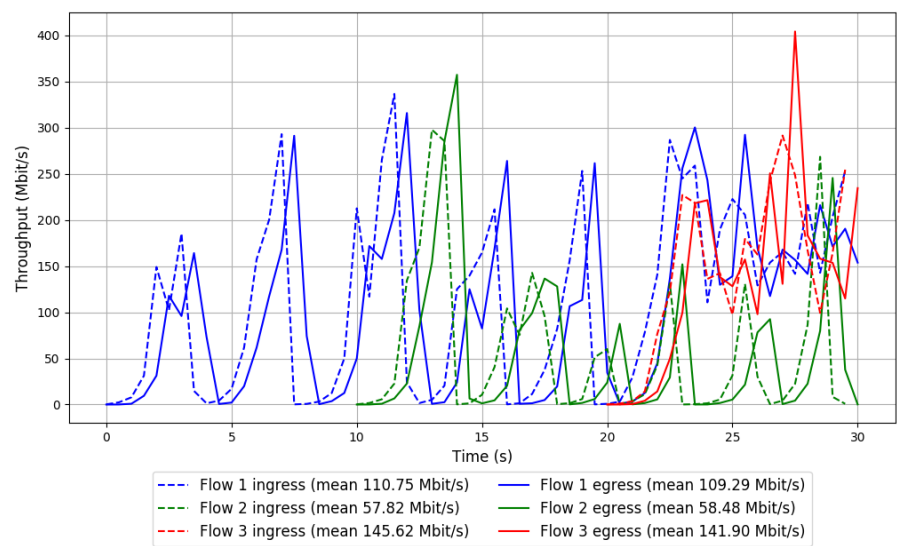


Run 8: Statistics of Verus

Start at: 2018-05-31 02:46:54
End at: 2018-05-31 02:47:24
Local clock offset: -0.189 ms
Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-05-31 05:35:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.09 Mbit/s
95th percentile per-packet one-way delay: 153.070 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 109.29 Mbit/s
95th percentile per-packet one-way delay: 140.354 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 163.256 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 141.90 Mbit/s
95th percentile per-packet one-way delay: 174.337 ms
Loss rate: 3.14%

Run 8: Report of Verus — Data Link

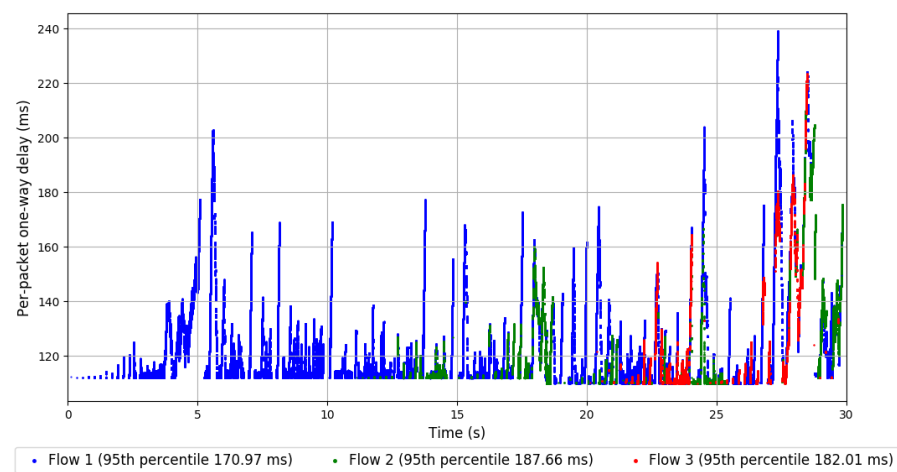
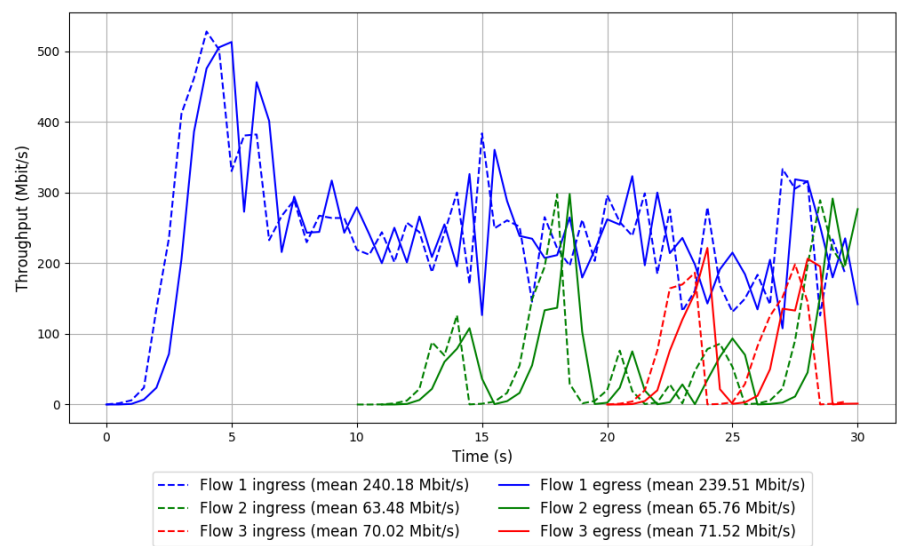


Run 9: Statistics of Verus

Start at: 2018-05-31 03:11:15
End at: 2018-05-31 03:11:45
Local clock offset: -0.094 ms
Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-05-31 05:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.83 Mbit/s
95th percentile per-packet one-way delay: 176.789 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 239.51 Mbit/s
95th percentile per-packet one-way delay: 170.968 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 65.76 Mbit/s
95th percentile per-packet one-way delay: 187.658 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 71.52 Mbit/s
95th percentile per-packet one-way delay: 182.007 ms
Loss rate: 0.20%

Run 9: Report of Verus — Data Link

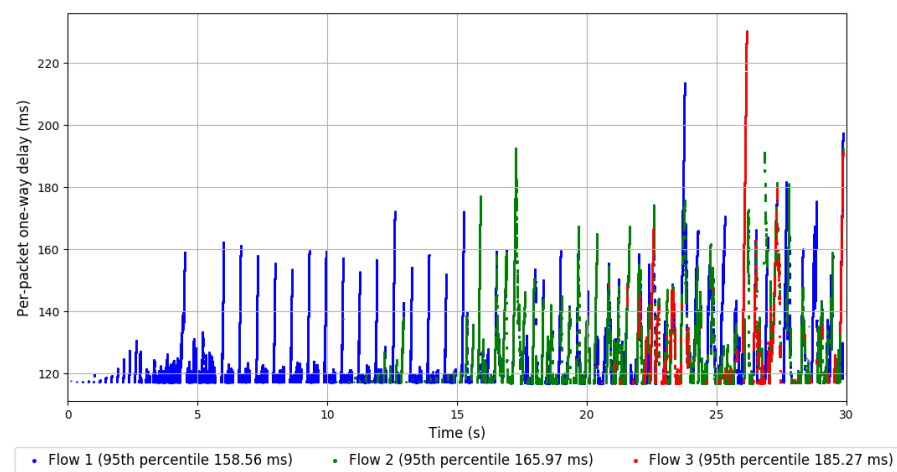
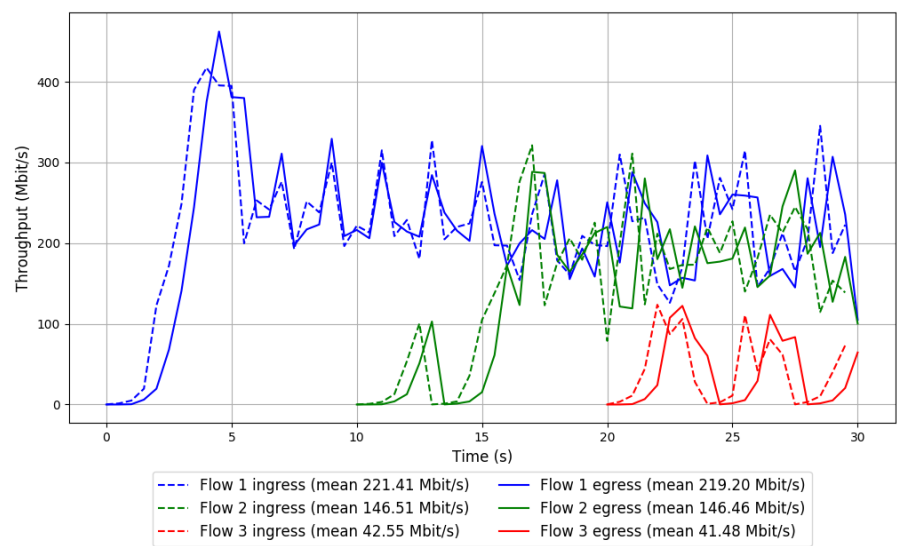


Run 10: Statistics of Verus

Start at: 2018-05-31 03:35:37
End at: 2018-05-31 03:36:07
Local clock offset: 6.518 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-31 05:38:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.89 Mbit/s
95th percentile per-packet one-way delay: 161.605 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 219.20 Mbit/s
95th percentile per-packet one-way delay: 158.565 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 146.46 Mbit/s
95th percentile per-packet one-way delay: 165.974 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 41.48 Mbit/s
95th percentile per-packet one-way delay: 185.272 ms
Loss rate: 4.21%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-30 23:41:29

End at: 2018-05-30 23:41:59

Local clock offset: 0.024 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-05-31 05:42:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 548.78 Mbit/s

95th percentile per-packet one-way delay: 112.732 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 336.75 Mbit/s

95th percentile per-packet one-way delay: 113.196 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 251.90 Mbit/s

95th percentile per-packet one-way delay: 112.599 ms

Loss rate: 1.70%

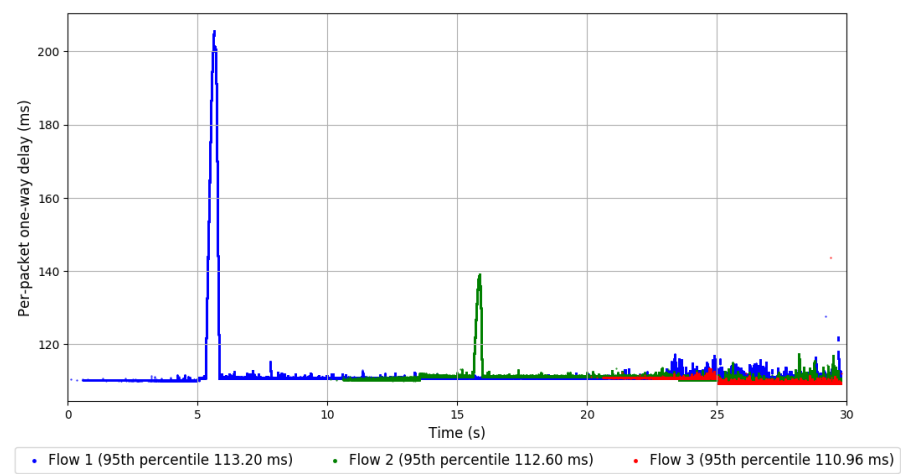
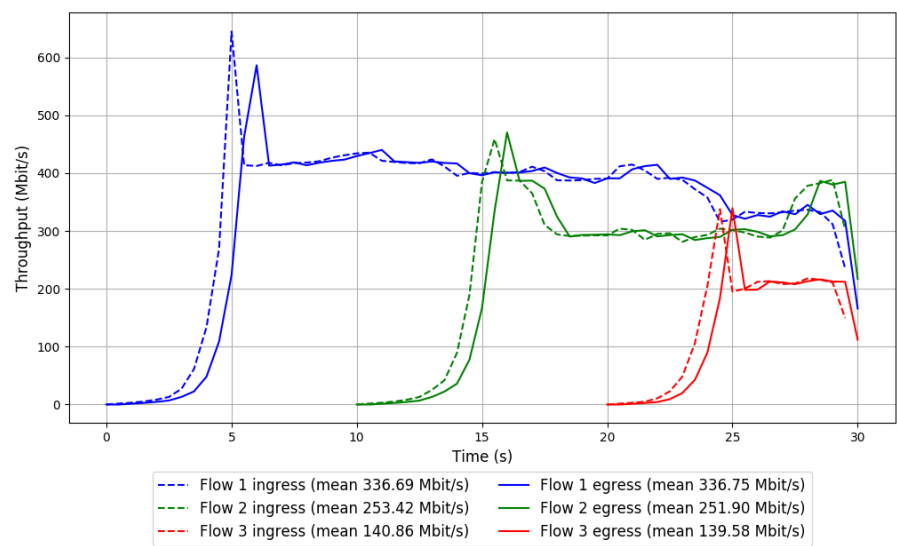
-- Flow 3:

Average throughput: 139.58 Mbit/s

95th percentile per-packet one-way delay: 110.962 ms

Loss rate: 3.07%

Run 1: Report of PCC-Vivace — Data Link

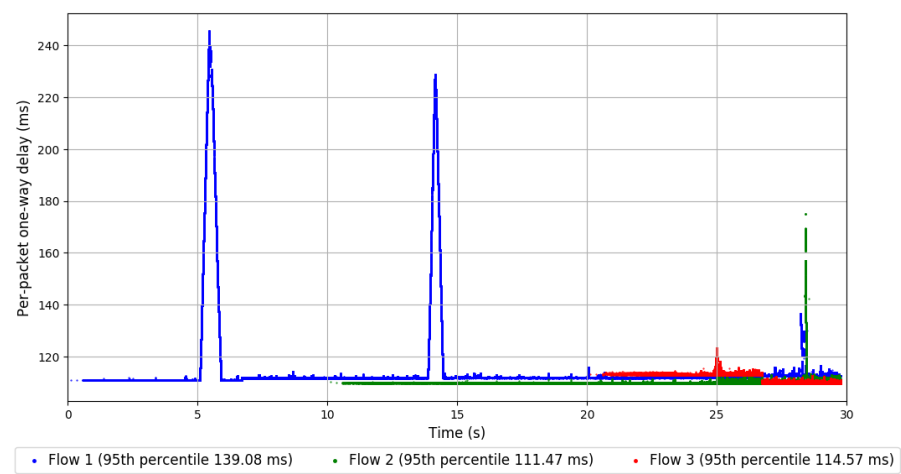
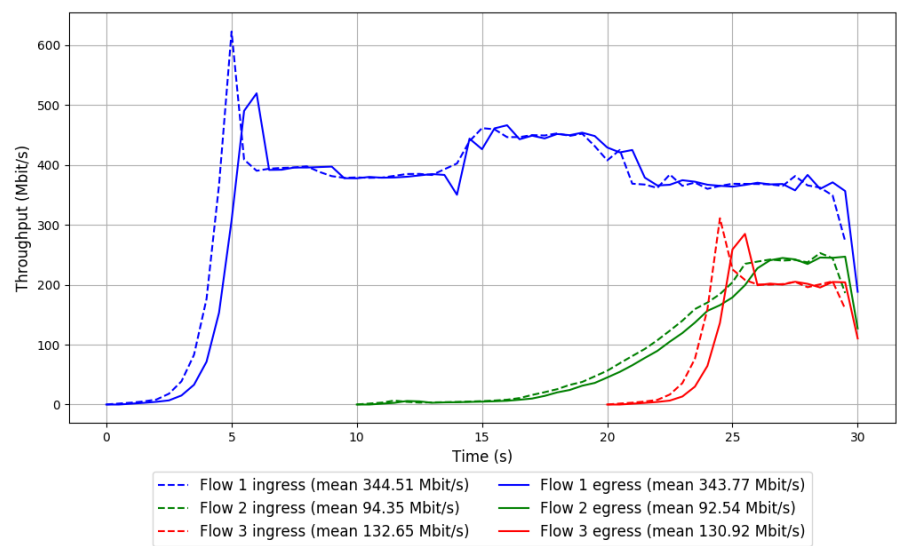


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-31 00:05:35
End at: 2018-05-31 00:06:05
Local clock offset: -0.169 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-05-31 05:42:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.63 Mbit/s
95th percentile per-packet one-way delay: 121.389 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 343.77 Mbit/s
95th percentile per-packet one-way delay: 139.084 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 111.465 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 130.92 Mbit/s
95th percentile per-packet one-way delay: 114.567 ms
Loss rate: 3.57%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-31 00:29:27

End at: 2018-05-31 00:29:57

Local clock offset: -0.181 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-05-31 05:43:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 508.56 Mbit/s

95th percentile per-packet one-way delay: 115.921 ms

Loss rate: 1.69%

-- Flow 1:

Average throughput: 307.39 Mbit/s

95th percentile per-packet one-way delay: 117.514 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 197.90 Mbit/s

95th percentile per-packet one-way delay: 111.543 ms

Loss rate: 1.82%

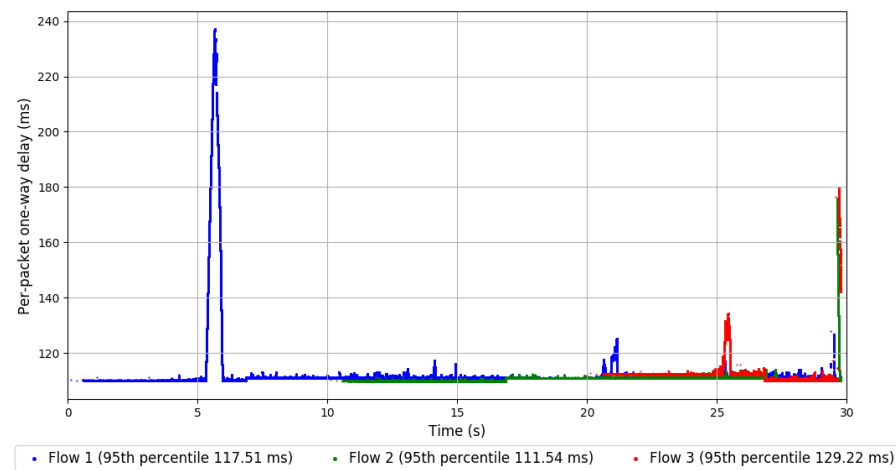
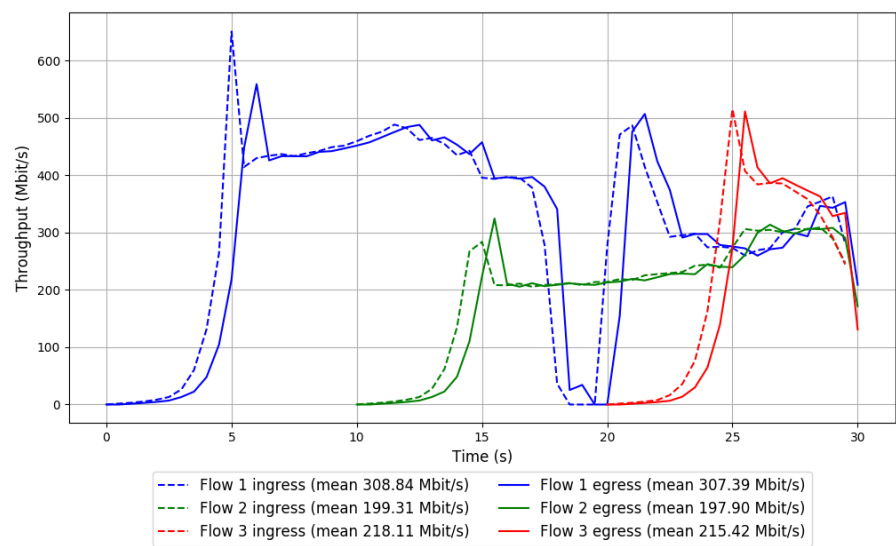
-- Flow 3:

Average throughput: 215.42 Mbit/s

95th percentile per-packet one-way delay: 129.218 ms

Loss rate: 3.48%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-31 00:53:39

End at: 2018-05-31 00:54:09

Local clock offset: 0.032 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-05-31 05:44:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 562.34 Mbit/s

95th percentile per-packet one-way delay: 113.369 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 321.76 Mbit/s

95th percentile per-packet one-way delay: 112.832 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 301.23 Mbit/s

95th percentile per-packet one-way delay: 115.084 ms

Loss rate: 1.24%

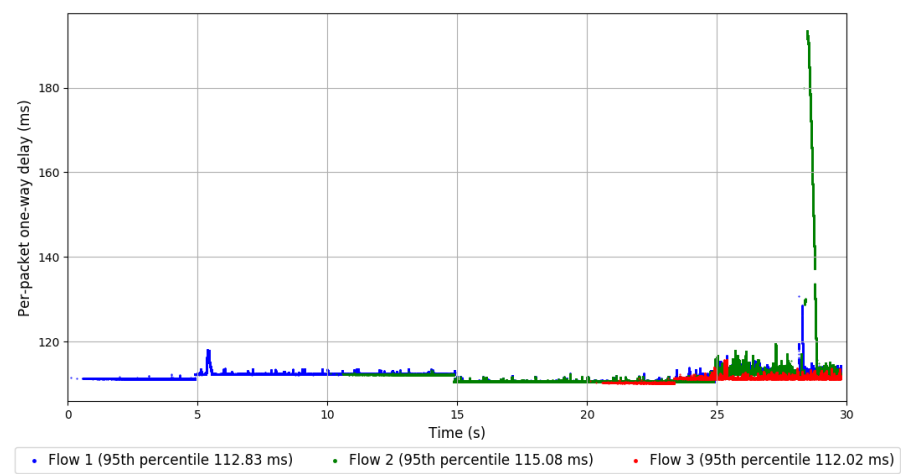
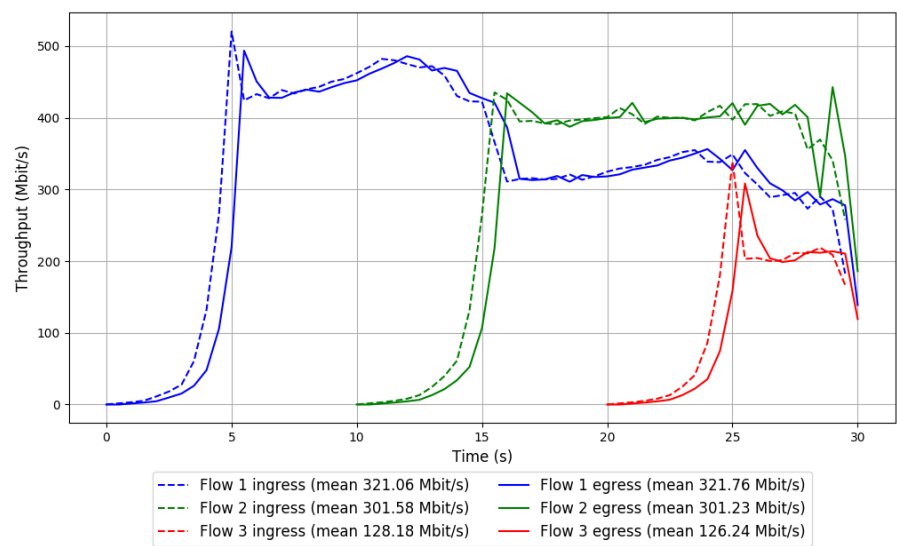
-- Flow 3:

Average throughput: 126.24 Mbit/s

95th percentile per-packet one-way delay: 112.022 ms

Loss rate: 3.72%

Run 4: Report of PCC-Vivace — Data Link

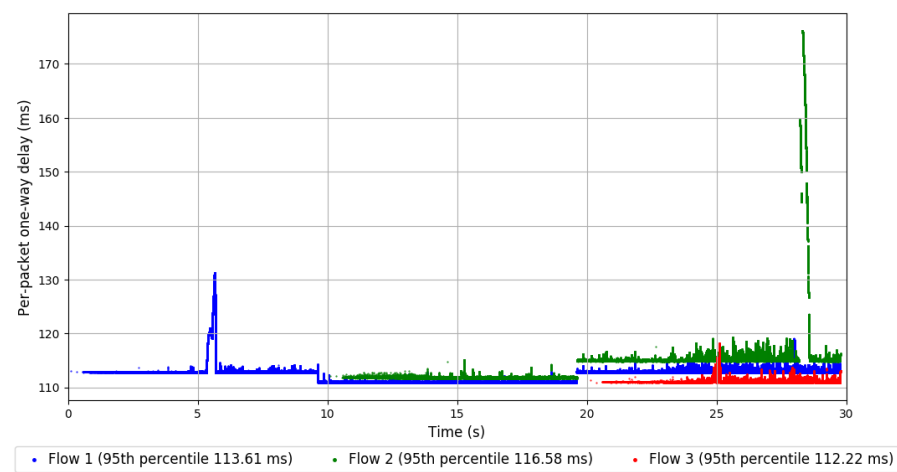
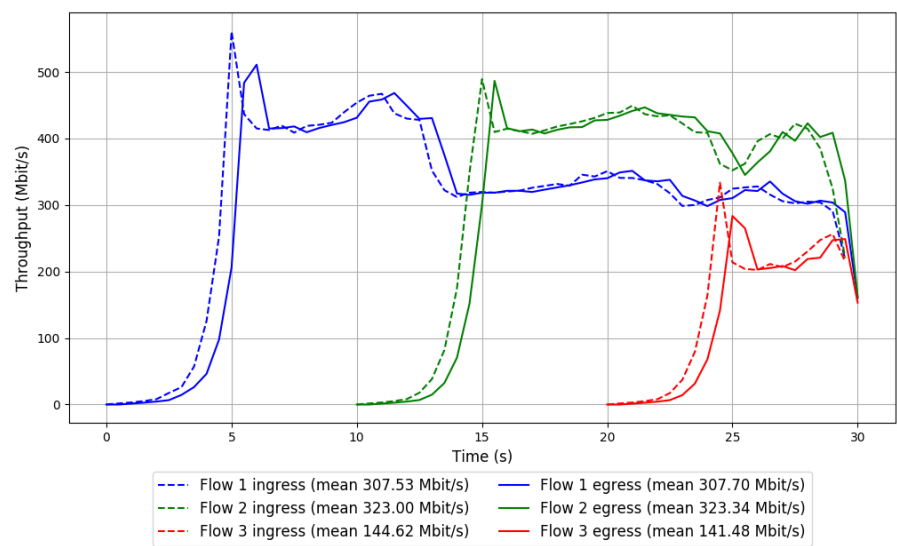


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-31 01:17:44
End at: 2018-05-31 01:18:14
Local clock offset: -0.123 ms
Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-05-31 05:44:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 567.87 Mbit/s
95th percentile per-packet one-way delay: 115.732 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 307.70 Mbit/s
95th percentile per-packet one-way delay: 113.613 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 323.34 Mbit/s
95th percentile per-packet one-way delay: 116.580 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 141.48 Mbit/s
95th percentile per-packet one-way delay: 112.221 ms
Loss rate: 4.39%

Run 5: Report of PCC-Vivace — Data Link

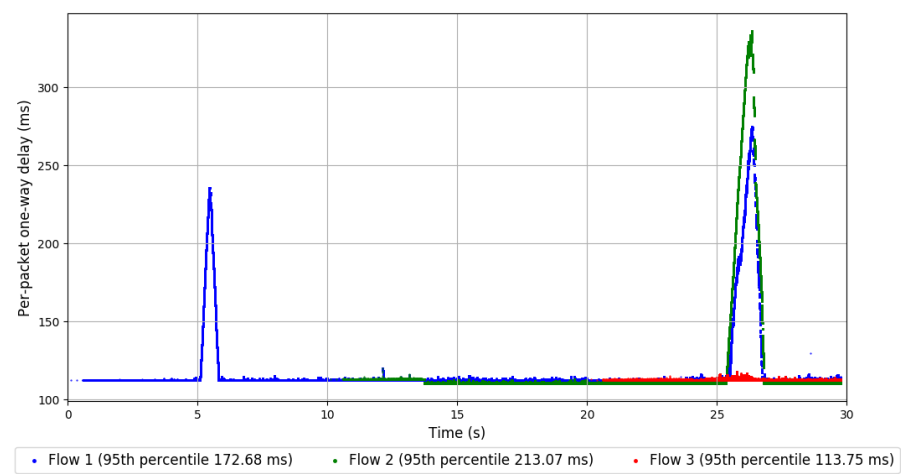
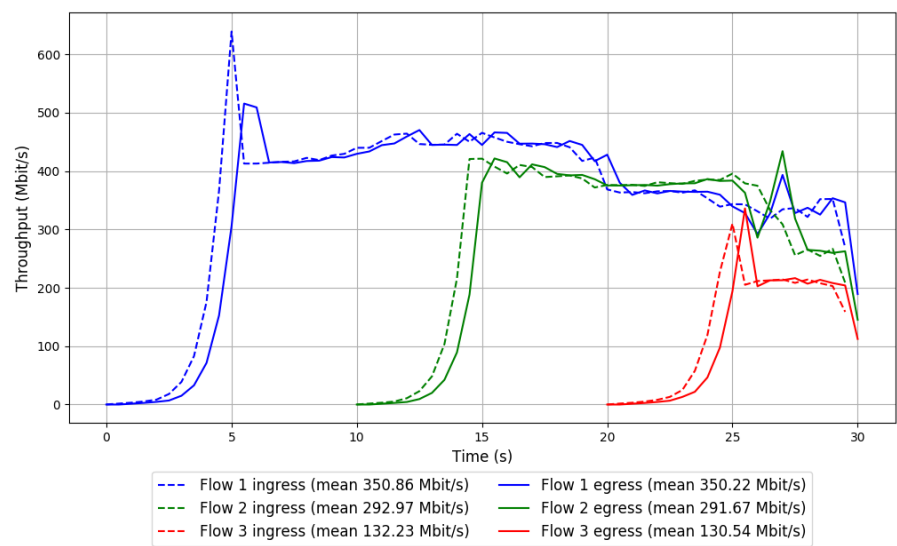


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-31 01:41:20
End at: 2018-05-31 01:41:50
Local clock offset: -0.002 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-31 05:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 585.83 Mbit/s
95th percentile per-packet one-way delay: 176.457 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 350.22 Mbit/s
95th percentile per-packet one-way delay: 172.683 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 291.67 Mbit/s
95th percentile per-packet one-way delay: 213.071 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 130.54 Mbit/s
95th percentile per-packet one-way delay: 113.751 ms
Loss rate: 3.54%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-31 02:05:38

End at: 2018-05-31 02:06:08

Local clock offset: 0.042 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2018-05-31 05:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 575.29 Mbit/s

95th percentile per-packet one-way delay: 113.333 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 337.34 Mbit/s

95th percentile per-packet one-way delay: 112.621 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 298.04 Mbit/s

95th percentile per-packet one-way delay: 117.975 ms

Loss rate: 0.77%

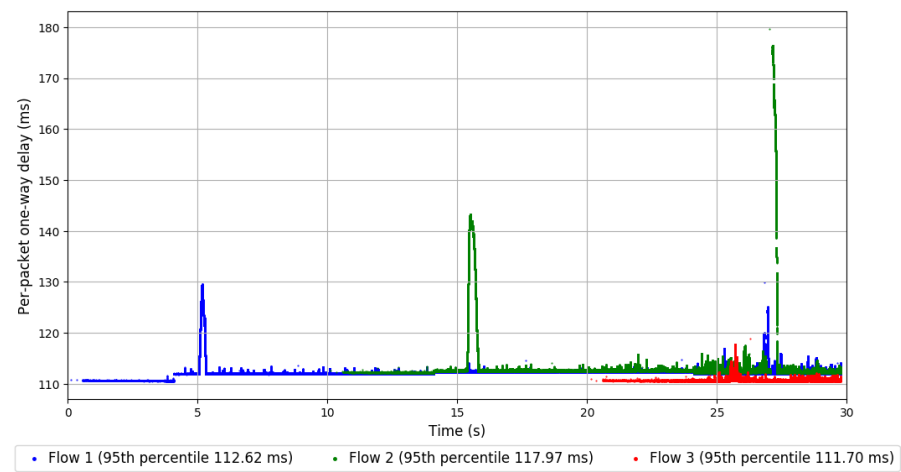
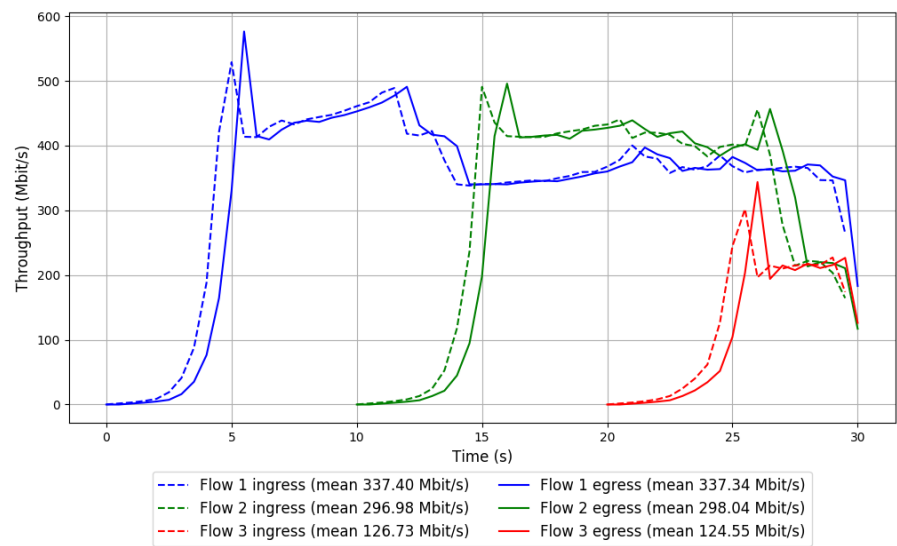
-- Flow 3:

Average throughput: 124.55 Mbit/s

95th percentile per-packet one-way delay: 111.705 ms

Loss rate: 3.95%

Run 7: Report of PCC-Vivace — Data Link

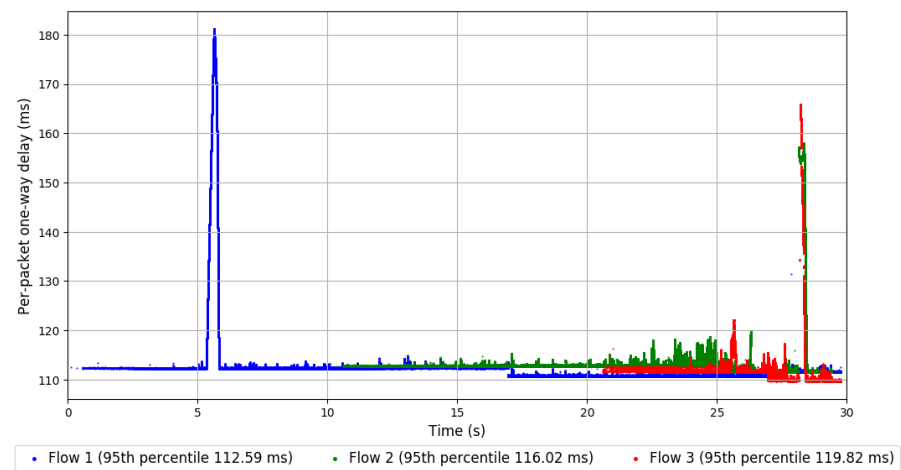
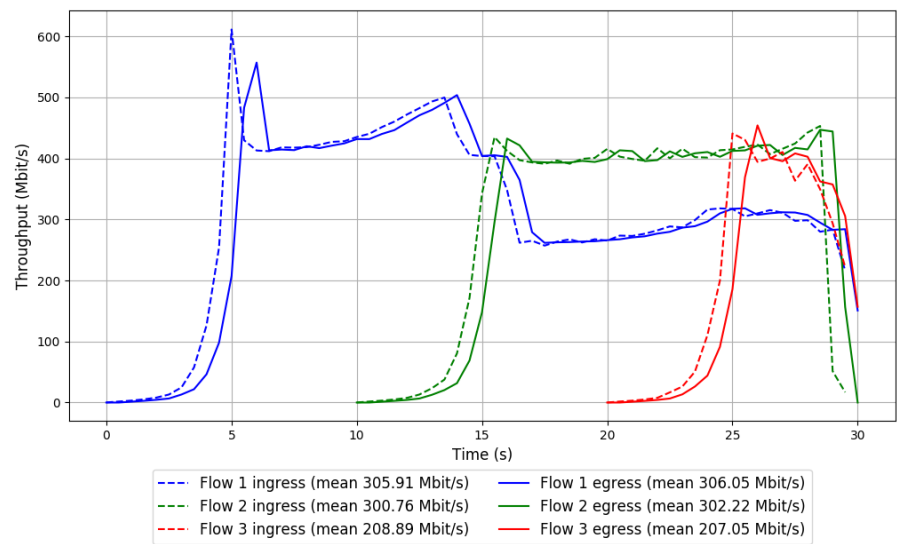


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-31 02:29:57
End at: 2018-05-31 02:30:27
Local clock offset: -0.048 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-31 05:46:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.44 Mbit/s
95th percentile per-packet one-way delay: 115.258 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 306.05 Mbit/s
95th percentile per-packet one-way delay: 112.593 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 302.22 Mbit/s
95th percentile per-packet one-way delay: 116.020 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 207.05 Mbit/s
95th percentile per-packet one-way delay: 119.824 ms
Loss rate: 3.13%

Run 8: Report of PCC-Vivace — Data Link

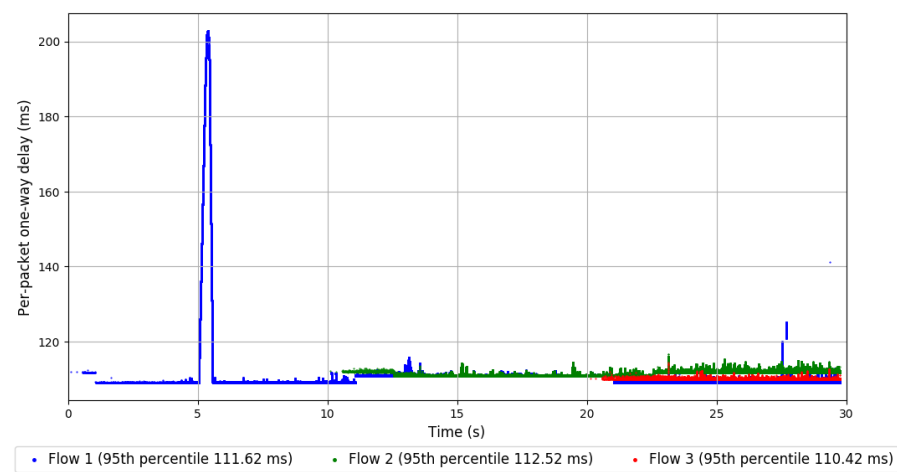
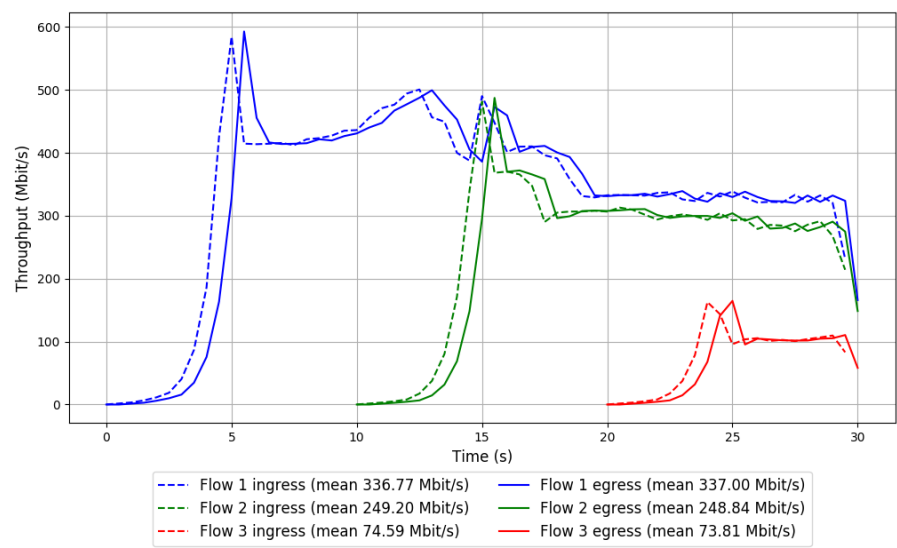


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-31 02:54:11
End at: 2018-05-31 02:54:41
Local clock offset: -0.132 ms
Remote clock offset: -0.388 ms

Below is generated by plot.py at 2018-05-31 05:46:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 525.87 Mbit/s
95th percentile per-packet one-way delay: 112.277 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 337.00 Mbit/s
95th percentile per-packet one-way delay: 111.624 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 248.84 Mbit/s
95th percentile per-packet one-way delay: 112.517 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 110.422 ms
Loss rate: 3.25%

Run 9: Report of PCC-Vivace — Data Link

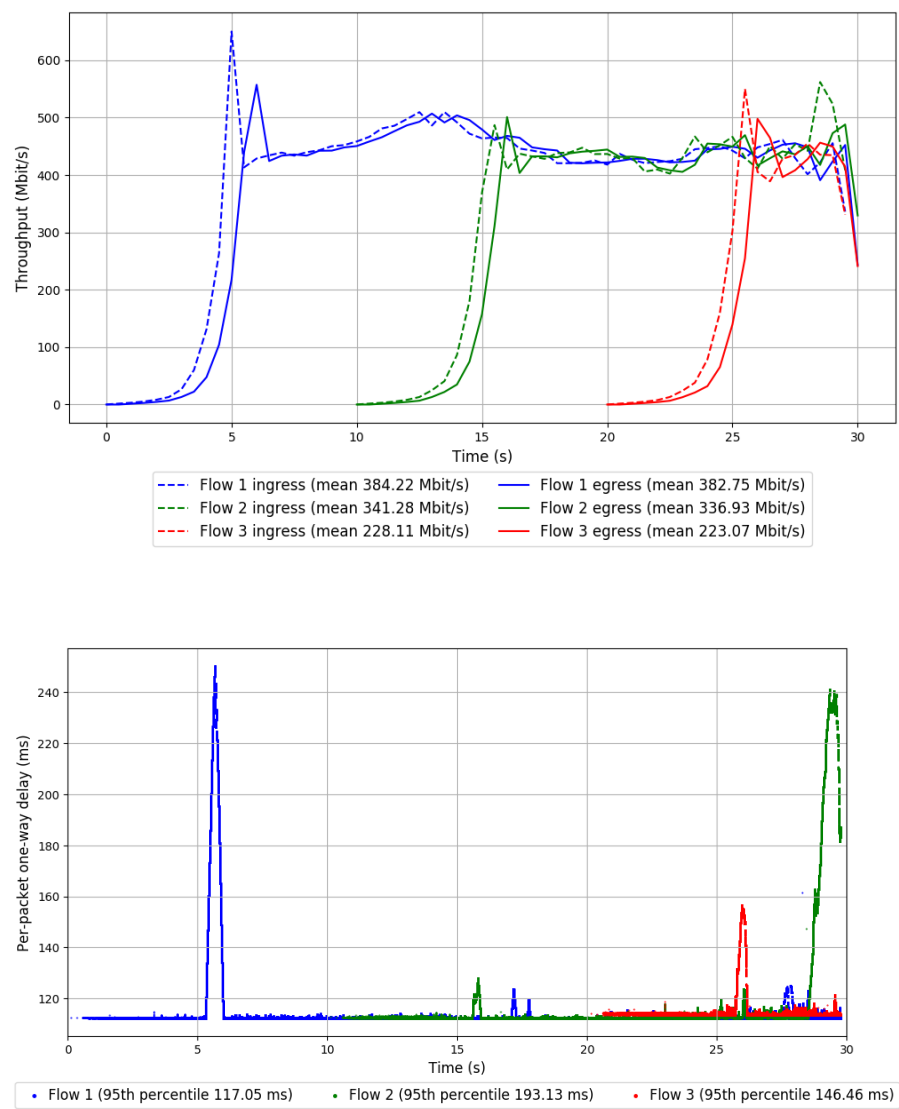


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-31 03:18:36
End at: 2018-05-31 03:19:06
Local clock offset: -0.066 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-31 05:47:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 678.40 Mbit/s
95th percentile per-packet one-way delay: 136.745 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 382.75 Mbit/s
95th percentile per-packet one-way delay: 117.051 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 336.93 Mbit/s
95th percentile per-packet one-way delay: 193.132 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 223.07 Mbit/s
95th percentile per-packet one-way delay: 146.460 ms
Loss rate: 4.46%

Run 10: Report of PCC-Vivace — Data Link

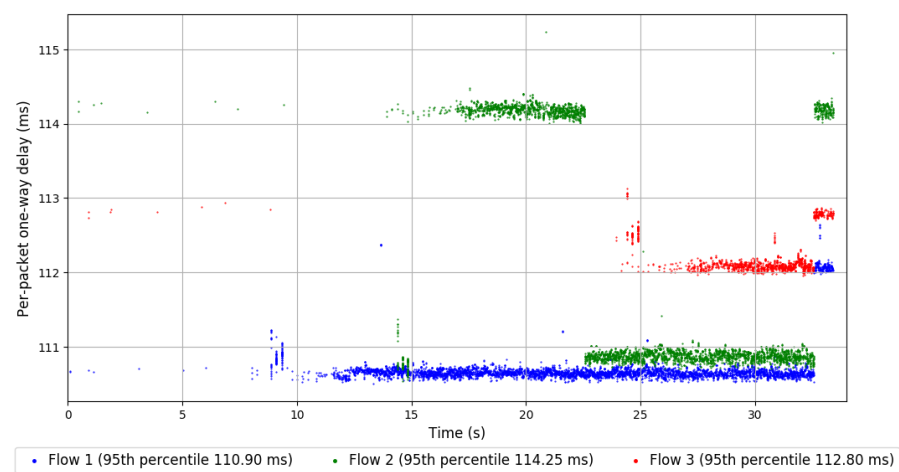
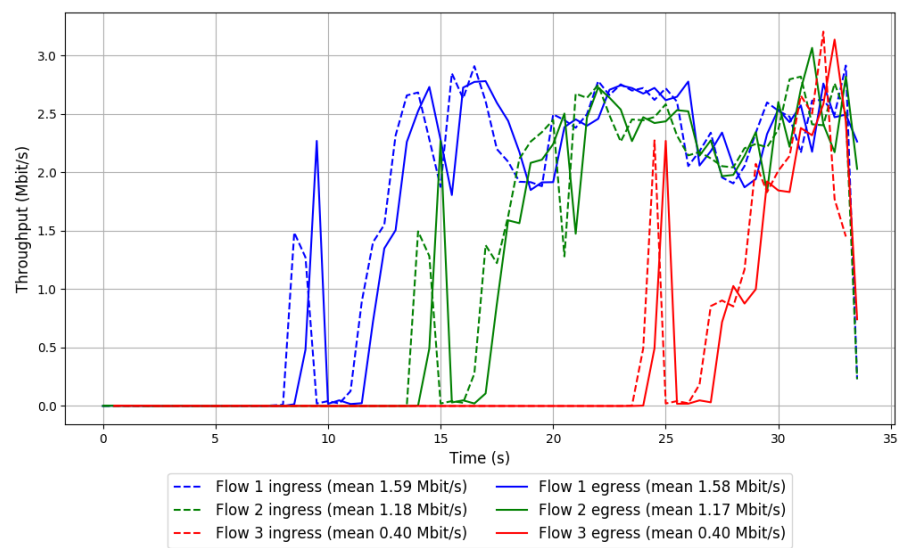


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-30 23:49:55
End at: 2018-05-30 23:50:25
Local clock offset: -0.093 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-05-31 05:47:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 114.208 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 110.901 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 114.250 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 112.797 ms
Loss rate: 2.90%
```

Run 1: Report of WebRTC media — Data Link

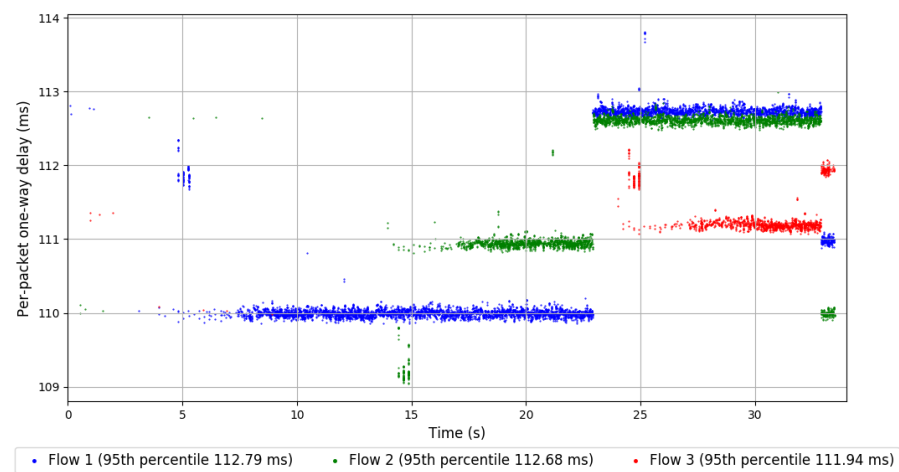
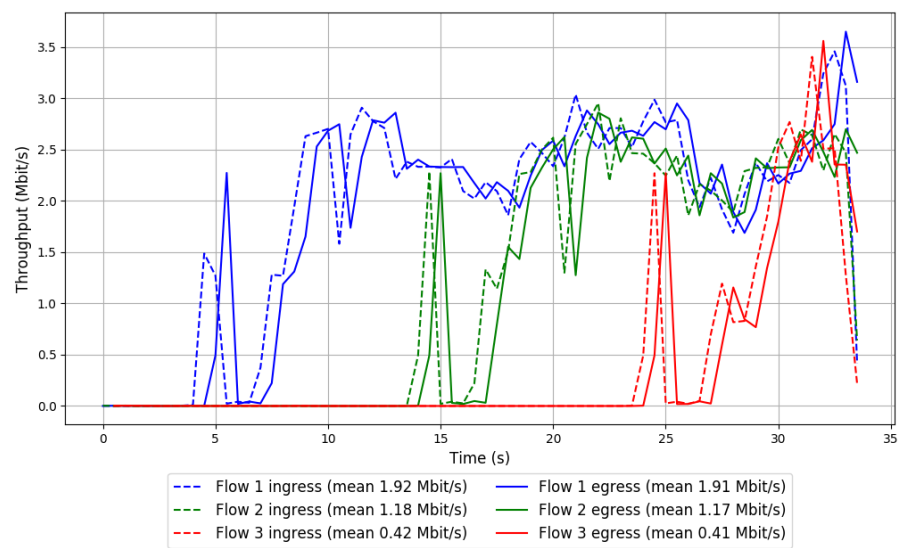


Run 2: Statistics of WebRTC media

Start at: 2018-05-31 00:13:54
End at: 2018-05-31 00:14:24
Local clock offset: 0.195 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-05-31 05:47:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 112.766 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 112.786 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 112.677 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 1.75%

Run 2: Report of WebRTC media — Data Link

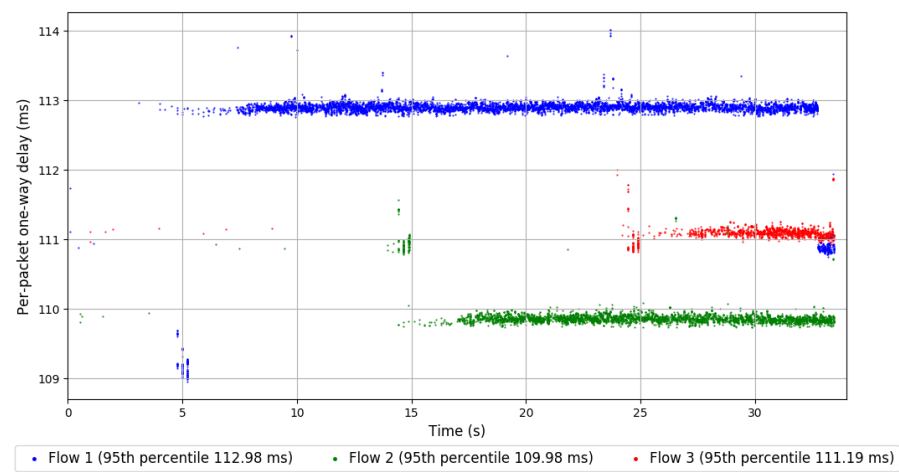
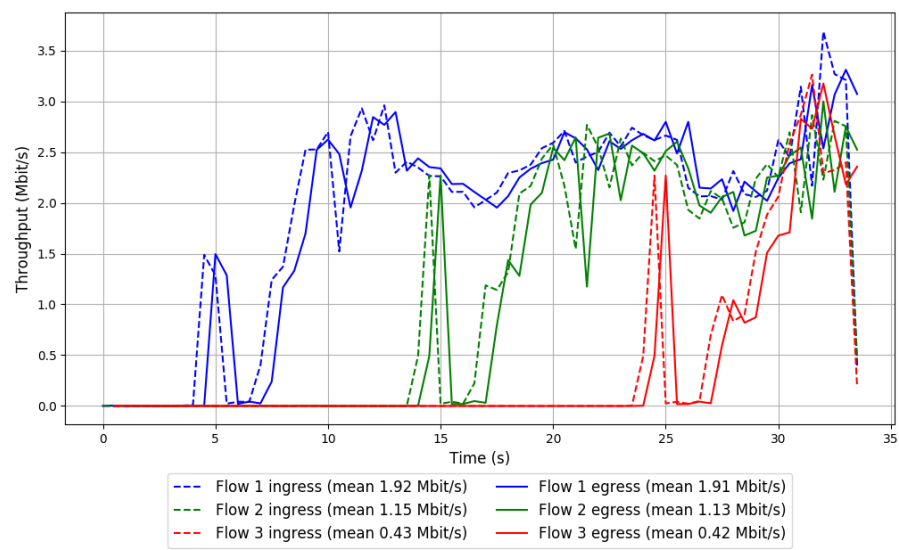


Run 3: Statistics of WebRTC media

Start at: 2018-05-31 00:37:53
End at: 2018-05-31 00:38:23
Local clock offset: 0.087 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-31 05:47:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 112.964 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 112.982 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 109.976 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.185 ms
Loss rate: 2.81%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-31 01:02:01

End at: 2018-05-31 01:02:31

Local clock offset: -0.226 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-31 05:47:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 111.598 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 1.96 Mbit/s

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

Loss rate: 0.81%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 111.637 ms

Loss rate: 1.58%

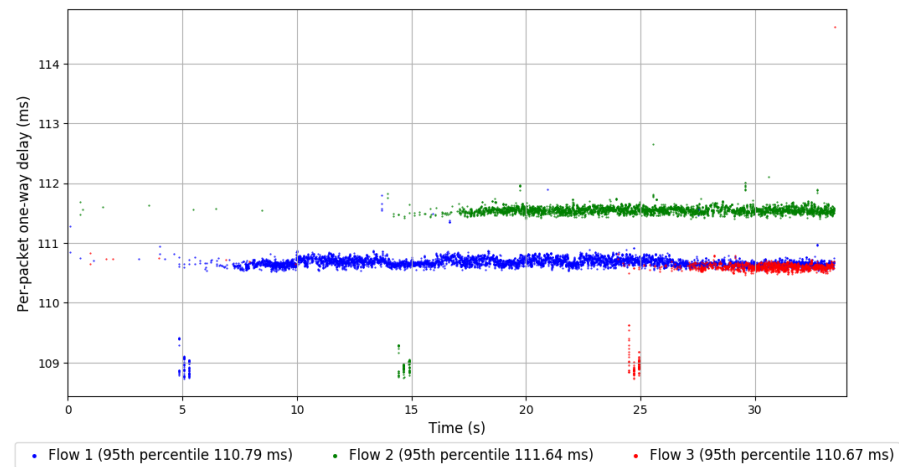
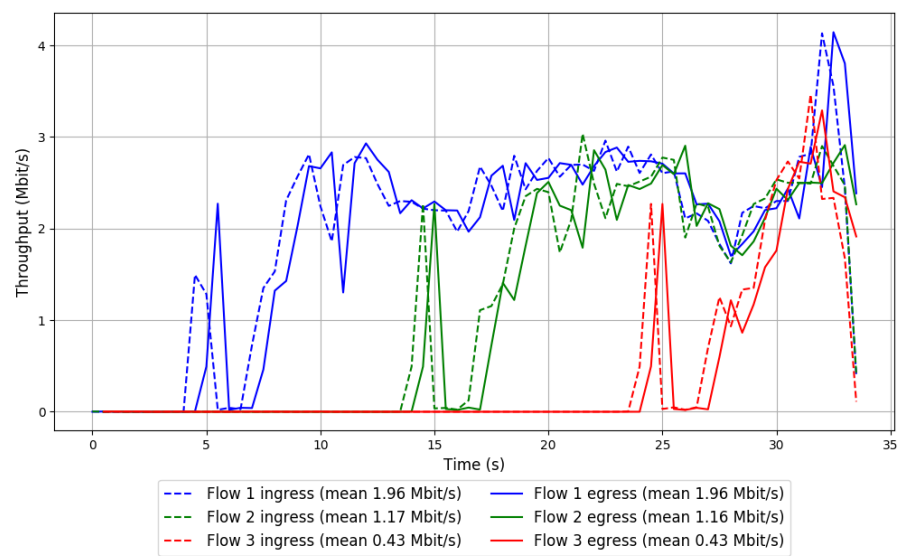
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 110.669 ms

Loss rate: 1.40%

Run 4: Report of WebRTC media — Data Link

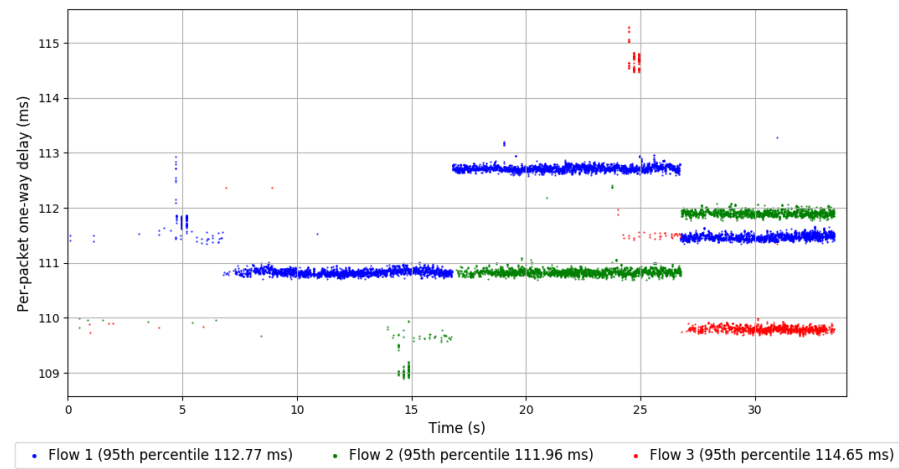
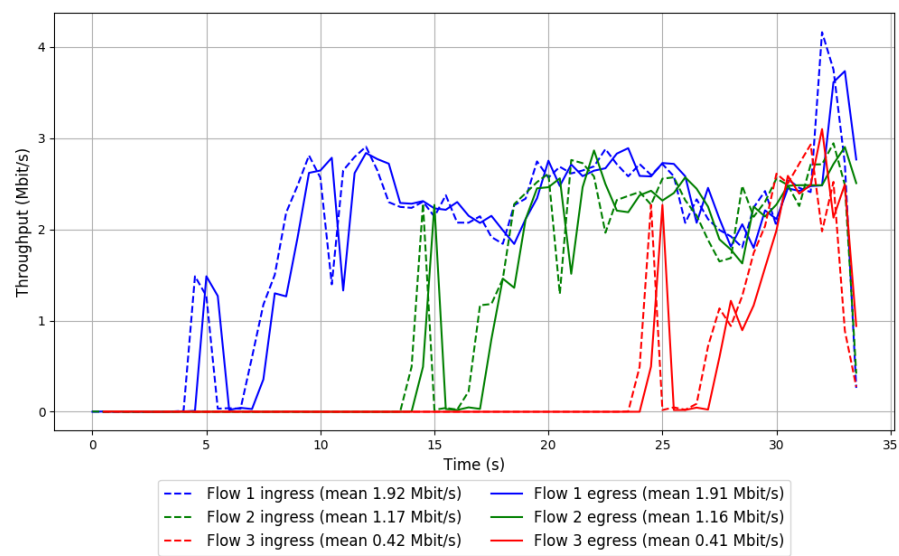


Run 5: Statistics of WebRTC media

Start at: 2018-05-31 01:26:11
End at: 2018-05-31 01:26:41
Local clock offset: 0.063 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-31 05:47:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 112.757 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 112.770 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 111.964 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 114.652 ms
Loss rate: 2.81%

Run 5: Report of WebRTC media — Data Link

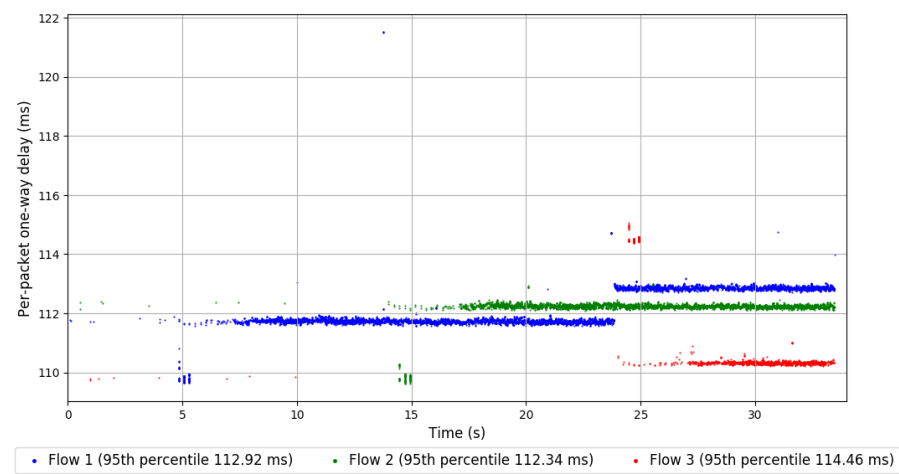
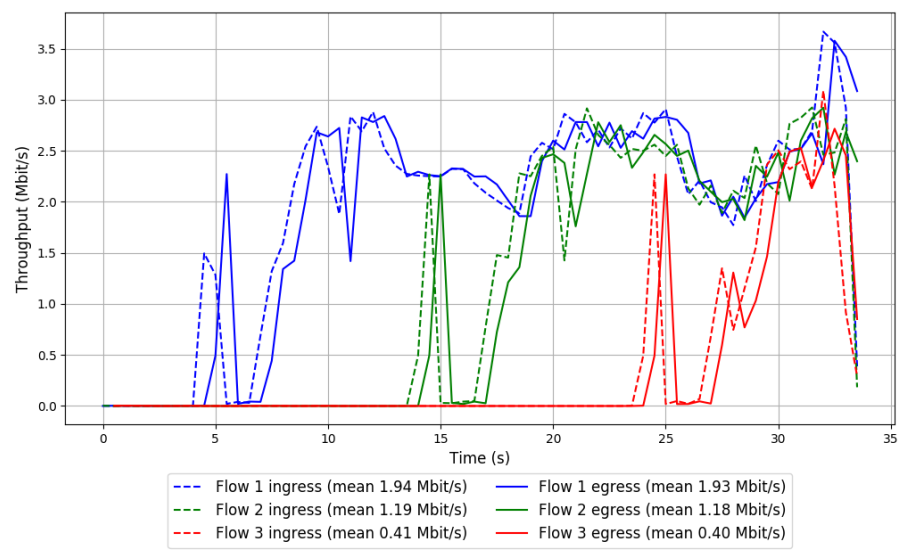


Run 6: Statistics of WebRTC media

Start at: 2018-05-31 01:49:54
End at: 2018-05-31 01:50:24
Local clock offset: -0.012 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-31 05:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 112.902 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 112.917 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 112.338 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 114.456 ms
Loss rate: 2.77%

Run 6: Report of WebRTC media — Data Link

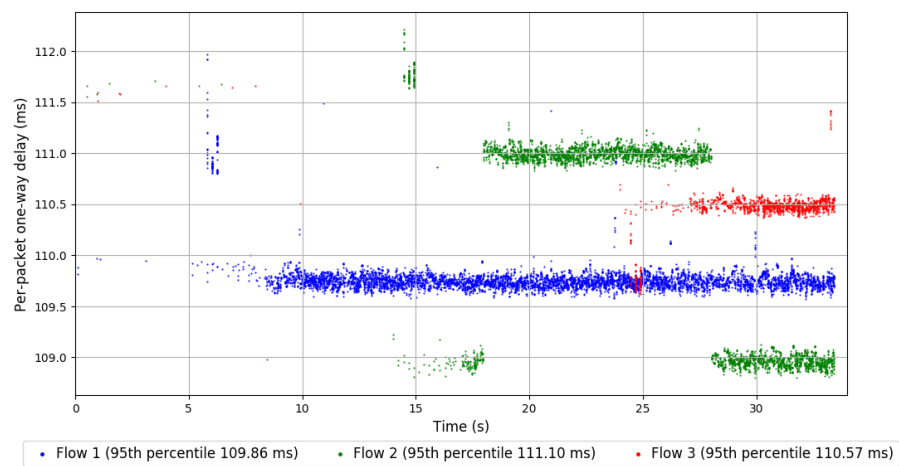
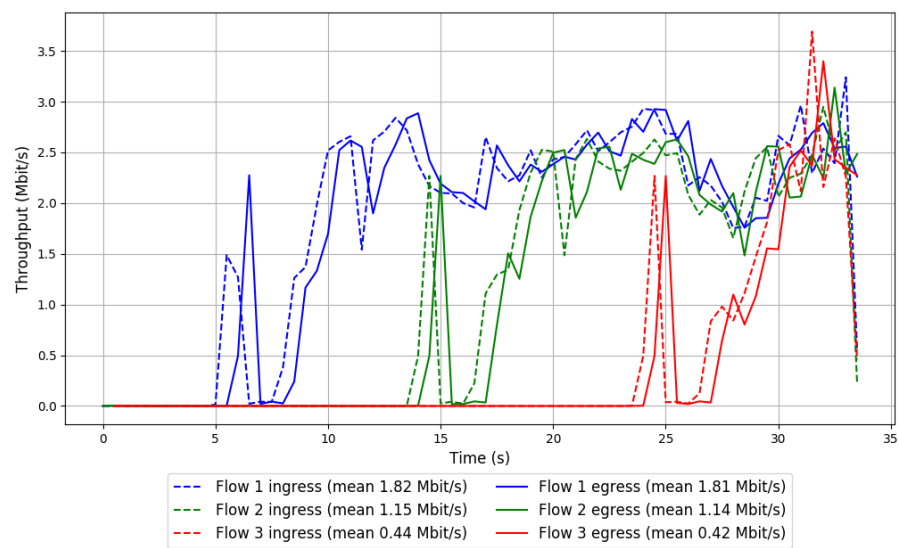


Run 7: Statistics of WebRTC media

Start at: 2018-05-31 02:14:09
End at: 2018-05-31 02:14:39
Local clock offset: -0.033 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-31 05:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 111.047 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 109.861 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 111.104 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 110.566 ms
Loss rate: 4.02%

Run 7: Report of WebRTC media — Data Link

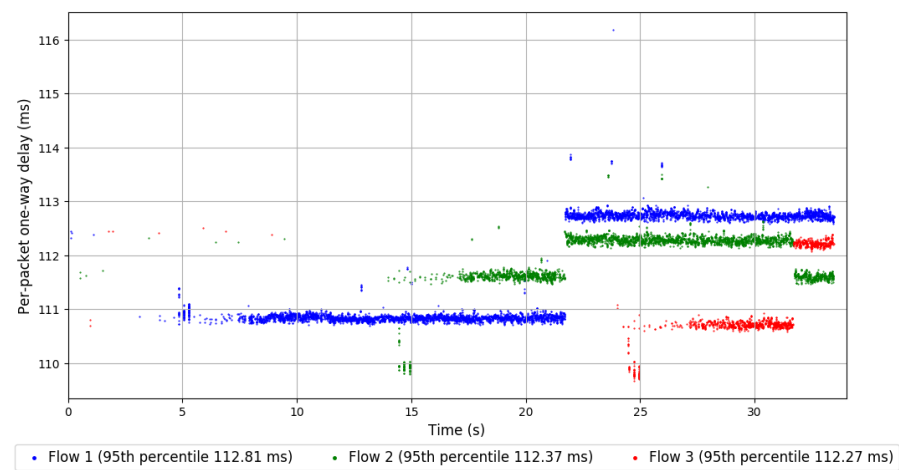
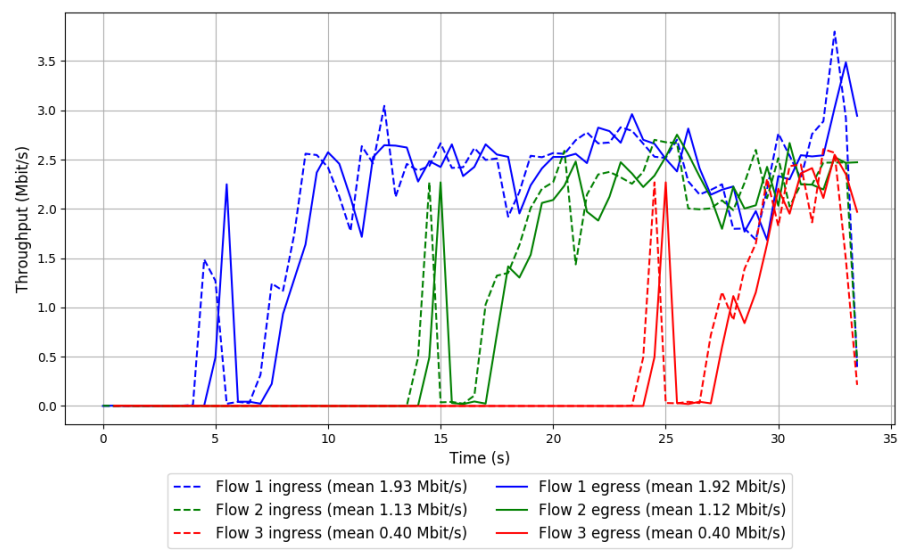


Run 8: Statistics of WebRTC media

Start at: 2018-05-31 02:38:26
End at: 2018-05-31 02:38:56
Local clock offset: -0.108 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-31 05:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 112.788 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 112.810 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 112.371 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 112.267 ms
Loss rate: 1.10%

Run 8: Report of WebRTC media — Data Link

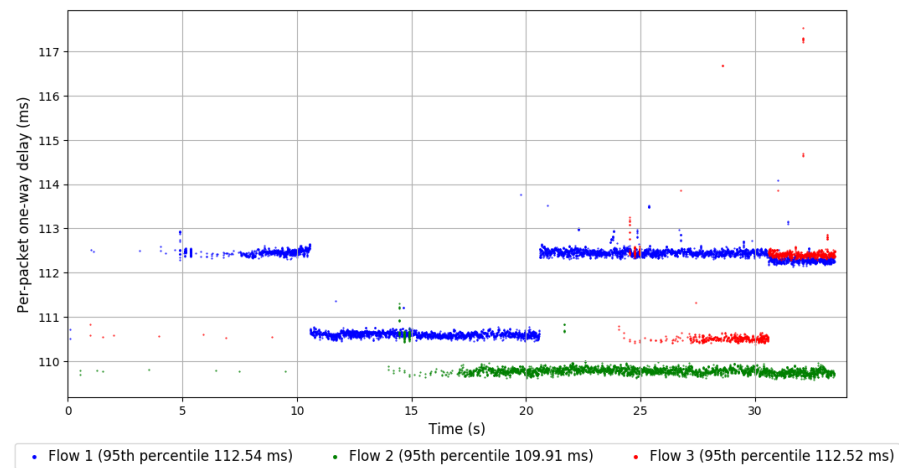
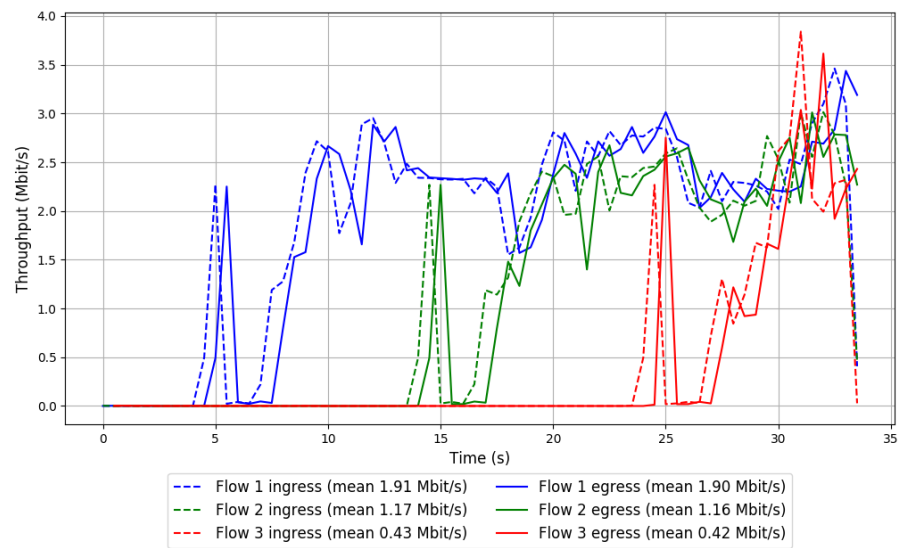


Run 9: Statistics of WebRTC media

Start at: 2018-05-31 03:02:37
End at: 2018-05-31 03:03:07
Local clock offset: -0.075 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-31 05:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 112.520 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 112.537 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 109.907 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.521 ms
Loss rate: 1.94%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-31 03:27:15

End at: 2018-05-31 03:27:45

Local clock offset: 6.644 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-05-31 05:47:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 119.264 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 117.255 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 119.319 ms

Loss rate: 1.50%

-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 118.074 ms

Loss rate: 0.95%

Run 10: Report of WebRTC media — Data Link

