

Pantheon Report

Generated at 2018-06-30 10:45:35 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

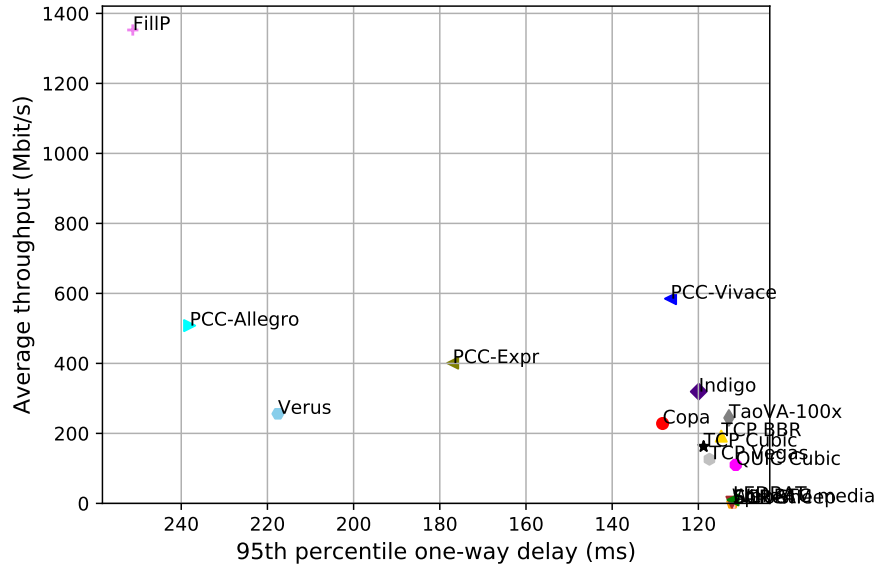
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

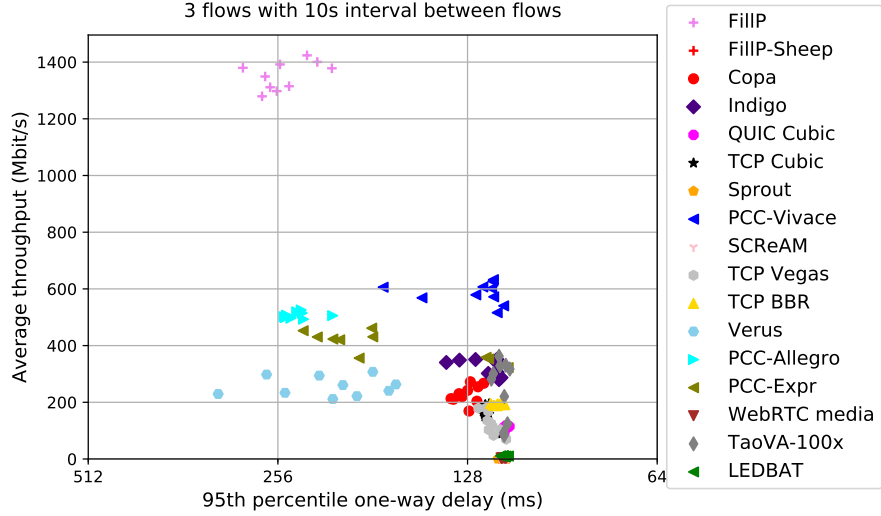
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
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	99.00	96.79	89.07	113.69	114.94	115.47	0.66	0.97	2.74
Copa	10	125.02	122.55	86.46	125.52	128.91	132.18	0.54	0.63	2.55
TCP Cubic	10	96.39	70.29	60.39	118.67	118.50	117.72	0.77	1.71	2.89
FillP	10	741.42	661.95	527.68	244.61	260.79	201.85	3.08	3.27	3.99
FillP-Sheep	10	0.00	0.00	0.00	111.67	111.77	112.01	0.00	0.00	2.81
Indigo	10	170.82	155.67	139.56	116.31	120.53	122.98	0.75	1.17	2.69
LEDBAT	10	6.91	4.00	1.65	112.05	111.80	111.80	1.53	2.22	4.95
PCC-Allegro	10	470.59	43.56	26.37	238.10	237.46	234.03	3.23	3.03	4.64
PCC-Expr	10	268.30	165.32	70.83	180.59	146.45	139.38	1.28	1.58	3.08
QUIC Cubic	10	59.57	59.25	33.80	110.98	111.10	110.91	0.96	0.74	1.86
SCReAM	10	0.22	0.22	0.22	111.37	111.22	111.51	0.73	1.24	2.17
Sprout	10	0.20	0.23	0.26	111.79	112.06	111.97	0.67	0.75	1.71
TaoVA-100x	10	116.77	127.88	130.42	112.41	112.90	113.78	0.65	1.54	3.30
TCP Vegas	10	70.00	59.32	51.91	116.60	117.14	116.61	0.78	1.45	2.45
Verus	10	148.10	128.23	71.27	201.42	213.99	208.64	2.55	3.16	7.60
PCC-Vivace	10	344.74	290.88	146.19	120.25	143.47	126.39	0.79	1.47	3.50
WebRTC media	10	1.88	1.15	0.42	112.06	111.73	111.93	0.91	1.54	3.32

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 04:23:41

End at: 2018-06-30 04:24:11

Local clock offset: 1.294 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-30 08:51:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 192.58 Mbit/s

95th percentile per-packet one-way delay: 114.380 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 100.80 Mbit/s

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

Loss rate: 0.76%

-- Flow 2:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 114.771 ms

Loss rate: 1.16%

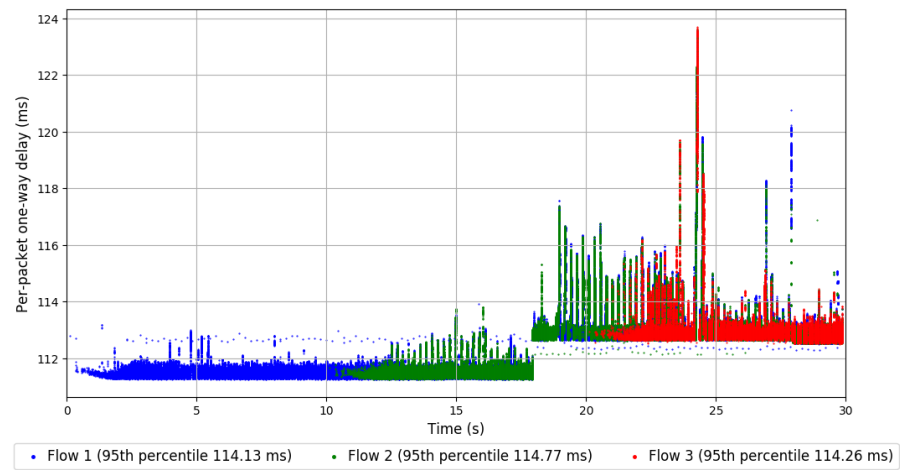
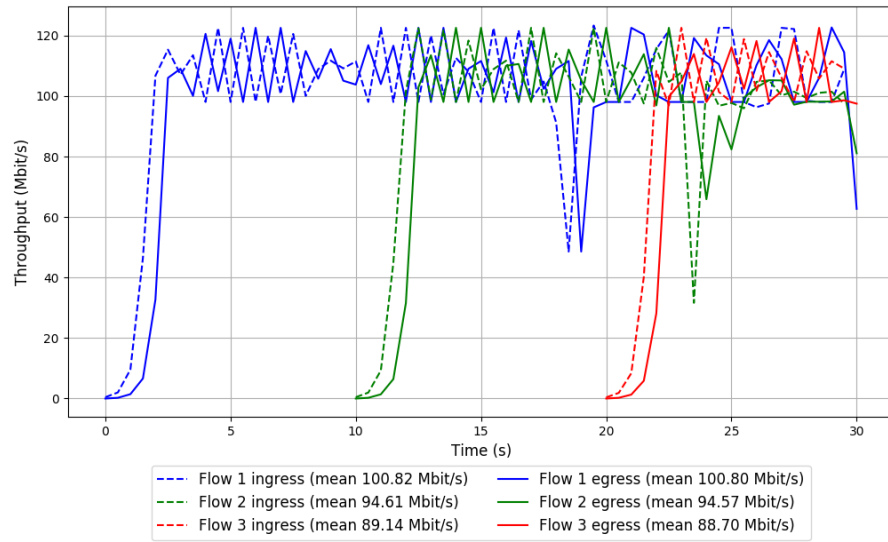
-- Flow 3:

Average throughput: 88.70 Mbit/s

95th percentile per-packet one-way delay: 114.264 ms

Loss rate: 2.76%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-30 04:49:21

End at: 2018-06-30 04:49:51

Local clock offset: 0.916 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-30 08:51:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.23 Mbit/s

95th percentile per-packet one-way delay: 116.456 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 113.173 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 97.64 Mbit/s

95th percentile per-packet one-way delay: 118.248 ms

Loss rate: 1.26%

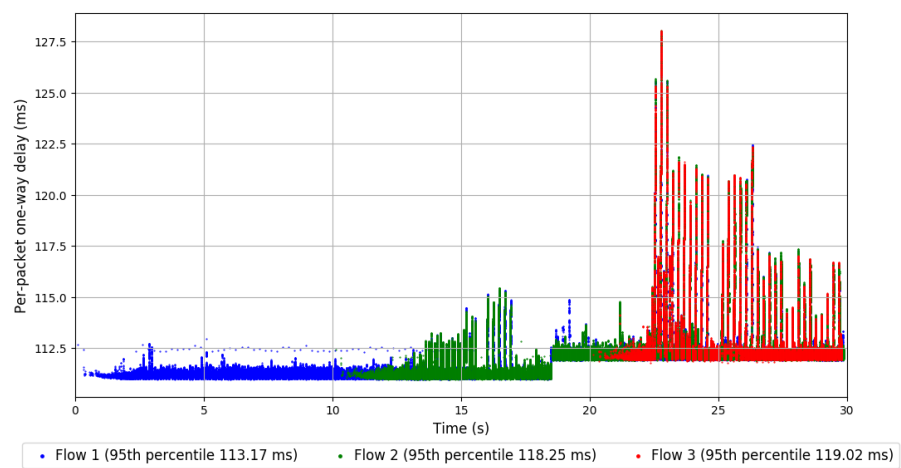
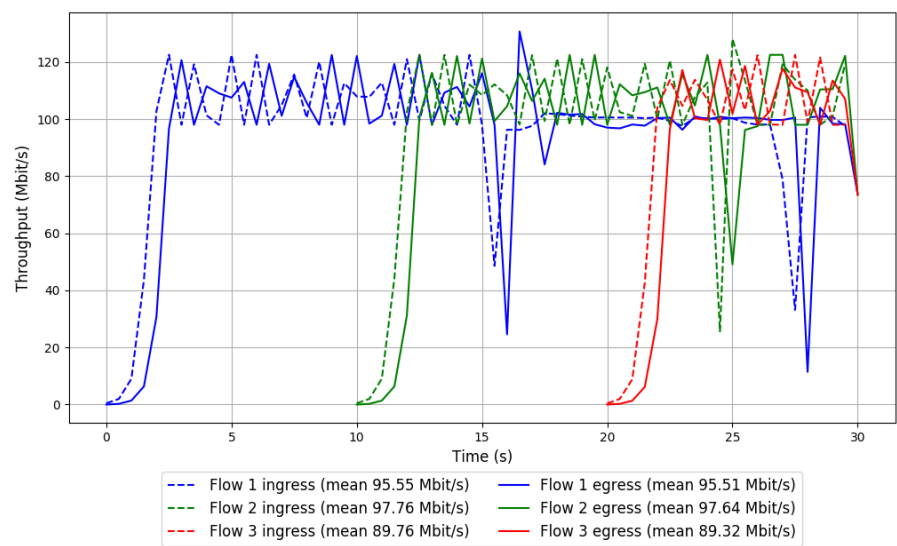
-- Flow 3:

Average throughput: 89.32 Mbit/s

95th percentile per-packet one-way delay: 119.018 ms

Loss rate: 2.76%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-30 05:14:49

End at: 2018-06-30 05:15:19

Local clock offset: 1.258 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-06-30 08:51:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 187.90 Mbit/s

95th percentile per-packet one-way delay: 114.744 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 96.63 Mbit/s

95th percentile per-packet one-way delay: 113.673 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 115.204 ms

Loss rate: 1.26%

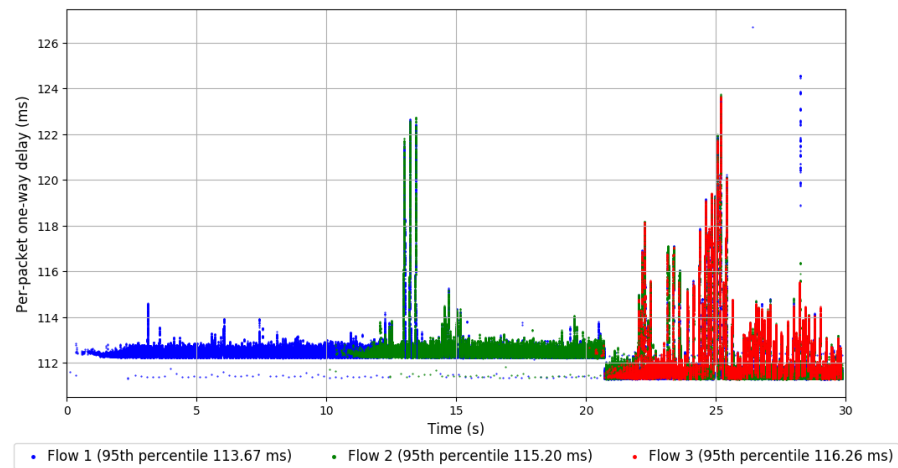
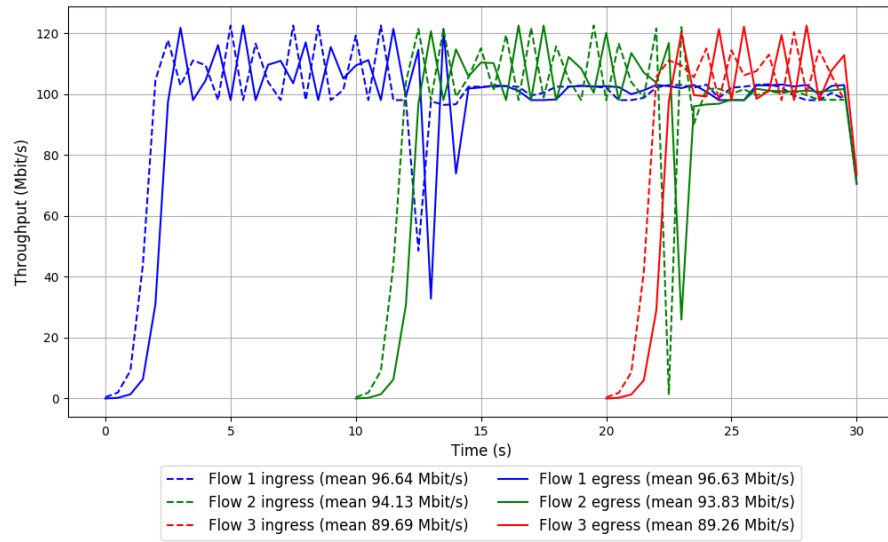
-- Flow 3:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 116.264 ms

Loss rate: 2.76%

Run 3: Report of TCP BBR — Data Link

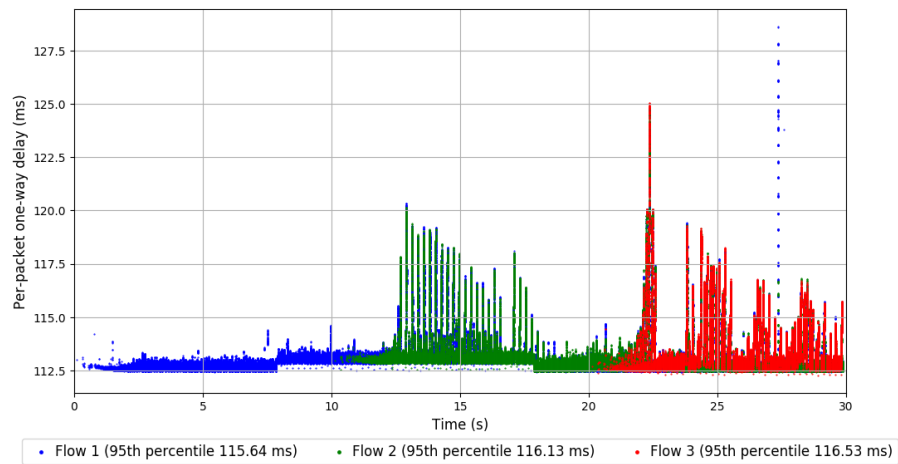
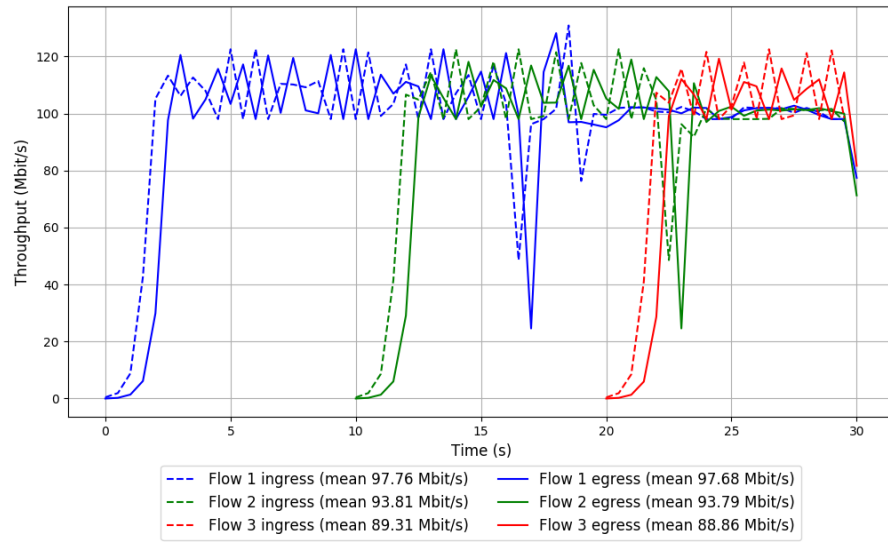


Run 4: Statistics of TCP BBR

Start at: 2018-06-30 05:40:21
End at: 2018-06-30 05:40:51
Local clock offset: 1.442 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-30 08:51:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.92 Mbit/s
95th percentile per-packet one-way delay: 116.016 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 97.68 Mbit/s
95th percentile per-packet one-way delay: 115.638 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 116.127 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 116.529 ms
Loss rate: 2.76%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-30 06:06:40

End at: 2018-06-30 06:07:10

Local clock offset: -0.017 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-06-30 08:51:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.40 Mbit/s

95th percentile per-packet one-way delay: 111.668 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: 111.574 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 98.55 Mbit/s

95th percentile per-packet one-way delay: 111.785 ms

Loss rate: 1.18%

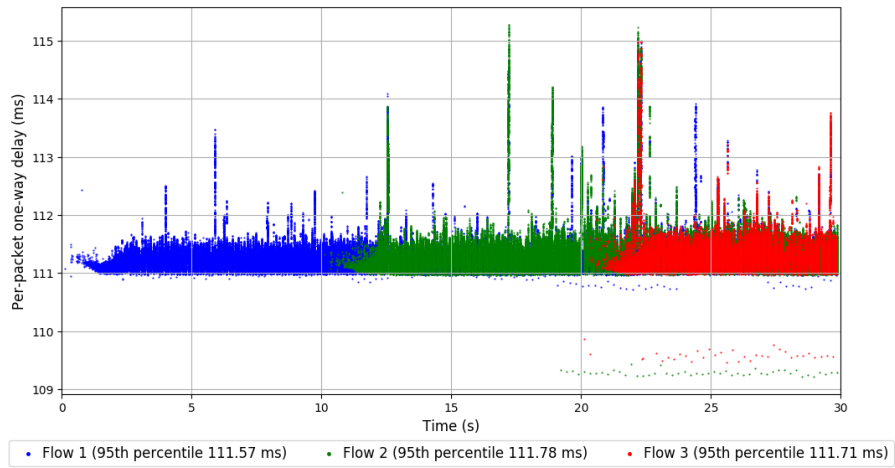
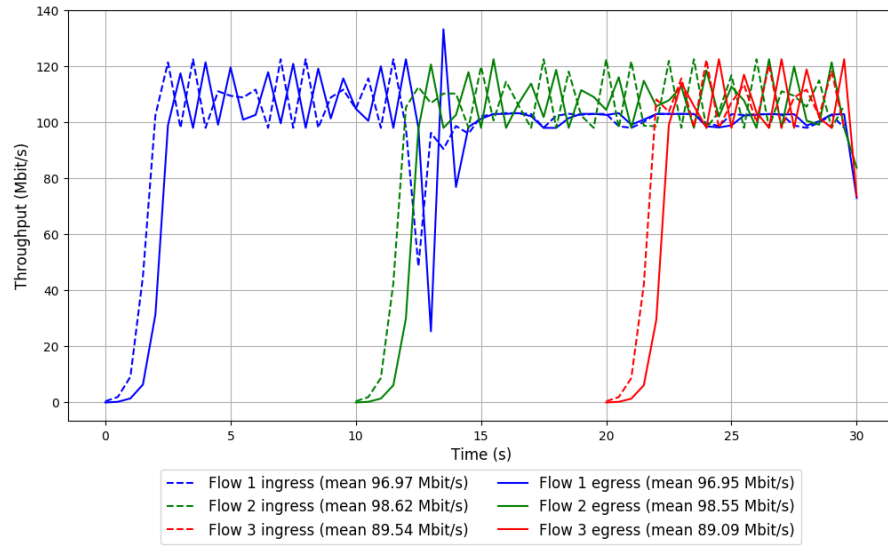
-- Flow 3:

Average throughput: 89.09 Mbit/s

95th percentile per-packet one-way delay: 111.710 ms

Loss rate: 2.76%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-30 06:32:19

End at: 2018-06-30 06:32:49

Local clock offset: -0.261 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-06-30 08:51:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.44 Mbit/s

95th percentile per-packet one-way delay: 114.681 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 100.44 Mbit/s

95th percentile per-packet one-way delay: 114.514 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 98.34 Mbit/s

95th percentile per-packet one-way delay: 115.013 ms

Loss rate: 0.00%

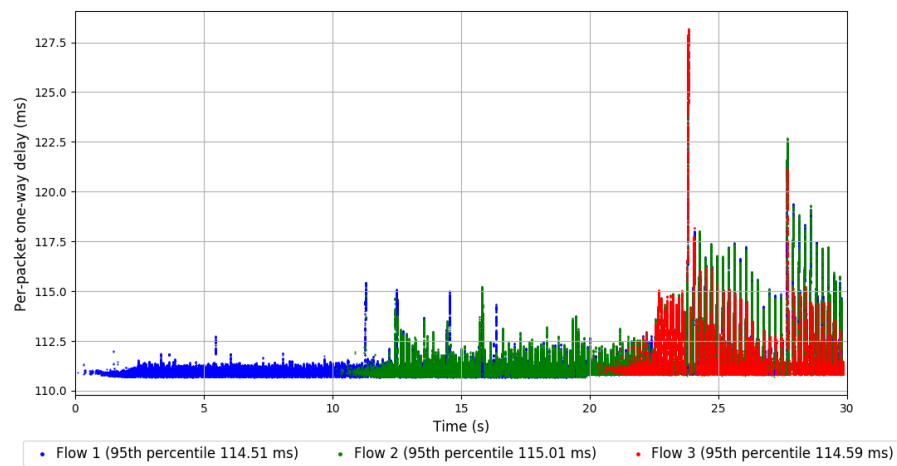
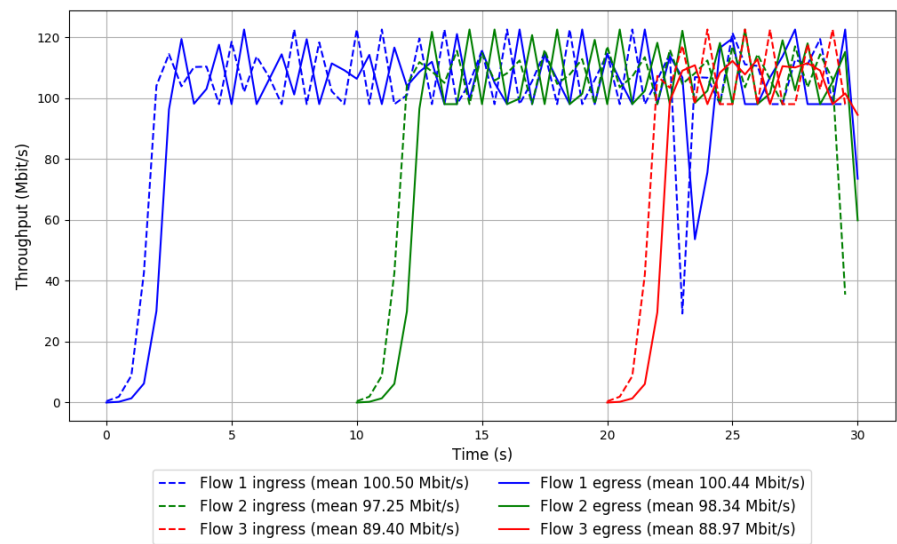
-- Flow 3:

Average throughput: 88.97 Mbit/s

95th percentile per-packet one-way delay: 114.591 ms

Loss rate: 2.76%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-30 06:58:05

End at: 2018-06-30 06:58:35

Local clock offset: 1.272 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-06-30 08:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.40 Mbit/s

95th percentile per-packet one-way delay: 117.654 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 101.11 Mbit/s

95th percentile per-packet one-way delay: 117.836 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 98.48 Mbit/s

95th percentile per-packet one-way delay: 115.735 ms

Loss rate: 1.18%

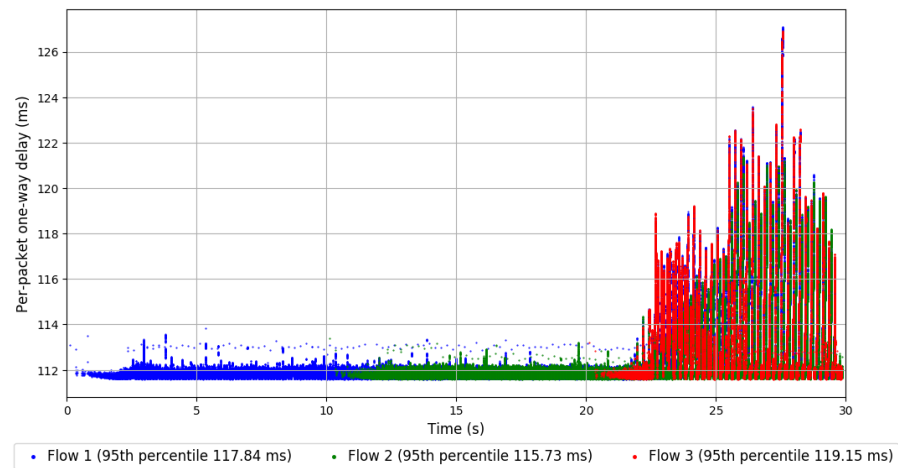
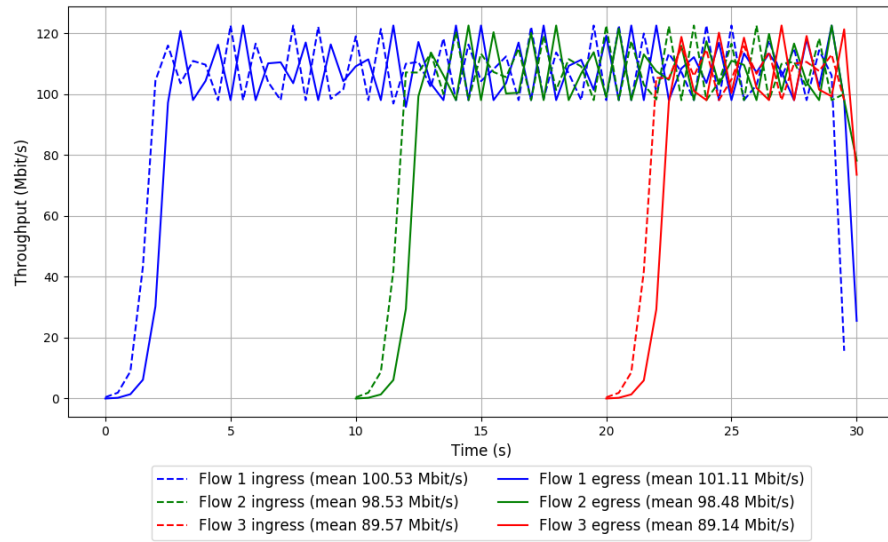
-- Flow 3:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 119.151 ms

Loss rate: 2.76%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-30 07:24:11

End at: 2018-06-30 07:24:41

Local clock offset: -0.415 ms

Remote clock offset: 0.528 ms

Below is generated by plot.py at 2018-06-30 08:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.15 Mbit/s

95th percentile per-packet one-way delay: 113.532 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 100.73 Mbit/s

95th percentile per-packet one-way delay: 110.885 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 98.70 Mbit/s

95th percentile per-packet one-way delay: 113.943 ms

Loss rate: 0.19%

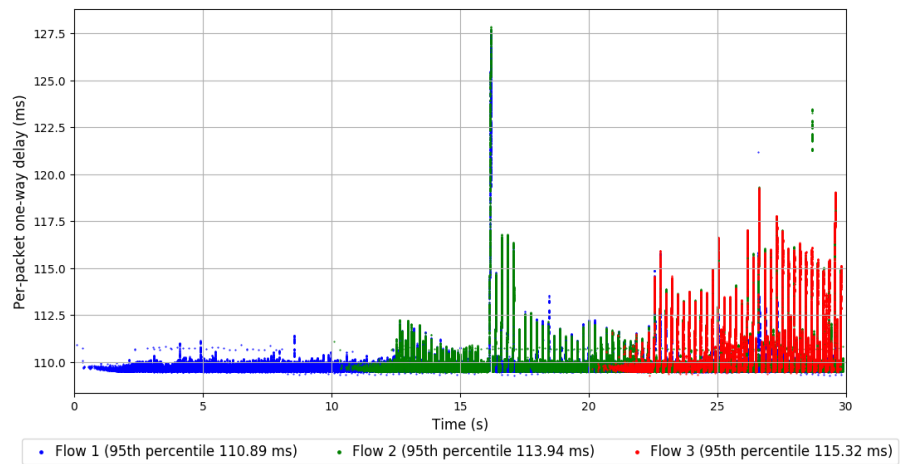
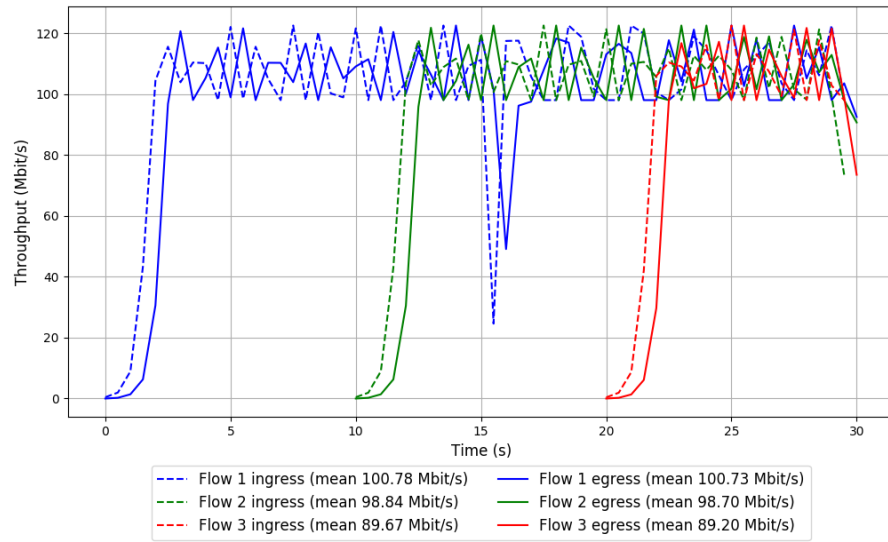
-- Flow 3:

Average throughput: 89.20 Mbit/s

95th percentile per-packet one-way delay: 115.316 ms

Loss rate: 2.76%

Run 8: Report of TCP BBR — Data Link

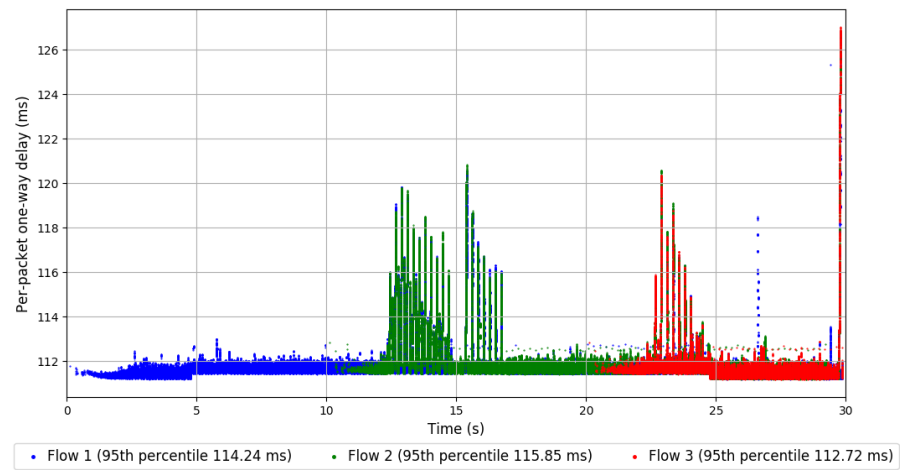
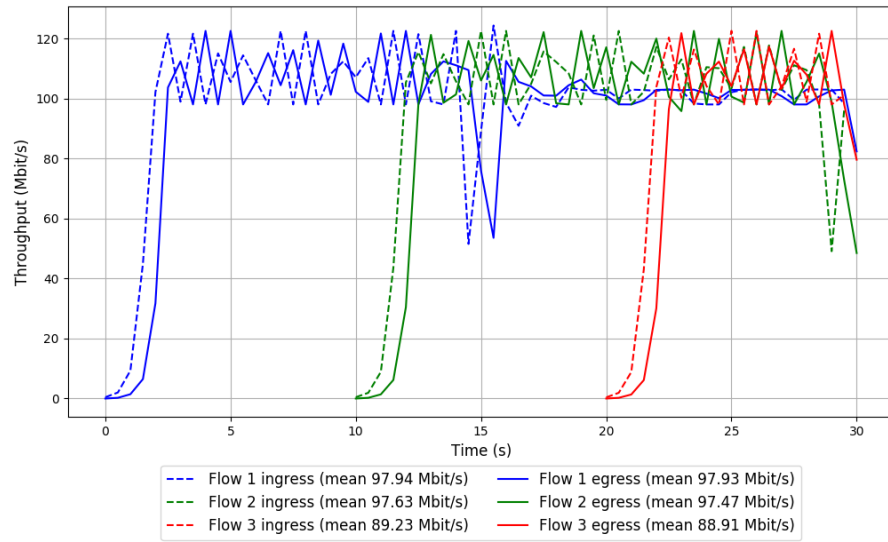


Run 9: Statistics of TCP BBR

Start at: 2018-06-30 07:50:05
End at: 2018-06-30 07:50:35
Local clock offset: 1.212 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-30 08:54:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.45 Mbit/s
95th percentile per-packet one-way delay: 114.852 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 97.93 Mbit/s
95th percentile per-packet one-way delay: 114.244 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 115.854 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 112.723 ms
Loss rate: 2.59%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-30 08:15:58

End at: 2018-06-30 08:16:28

Local clock offset: 0.184 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-30 08:54:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.28 Mbit/s

95th percentile per-packet one-way delay: 112.925 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 102.25 Mbit/s

95th percentile per-packet one-way delay: 111.266 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 112.716 ms

Loss rate: 1.13%

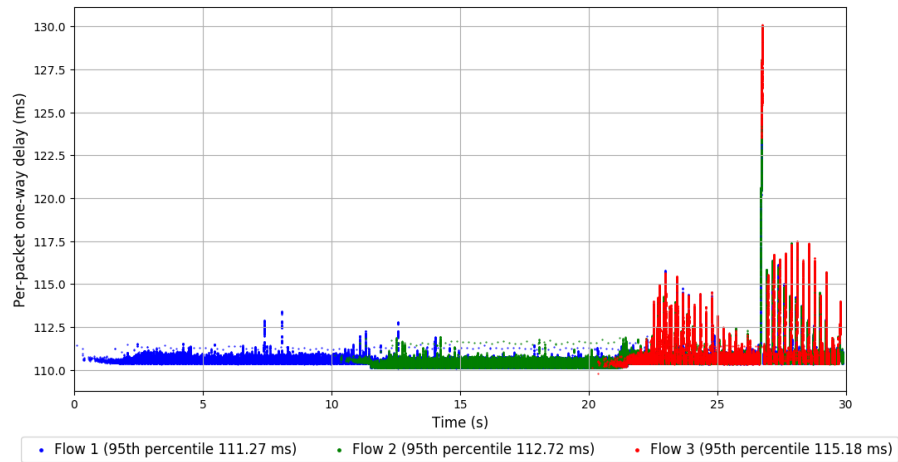
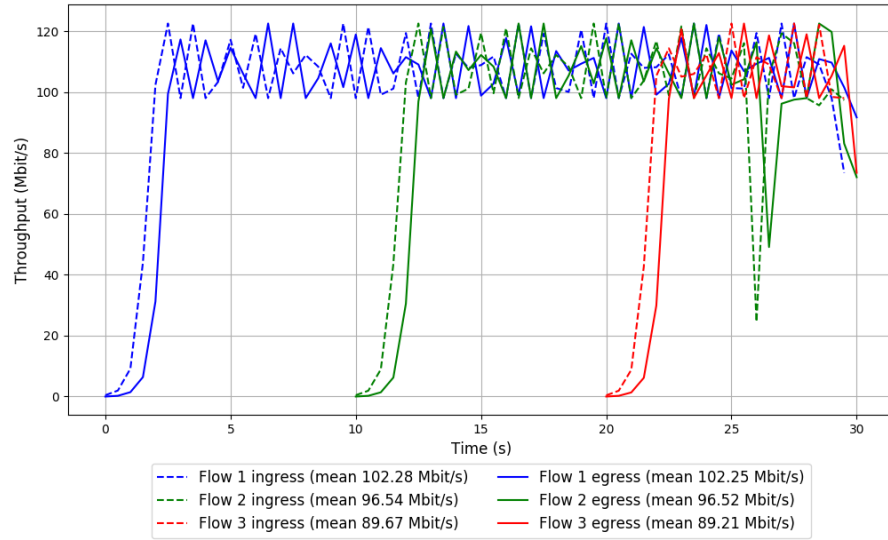
-- Flow 3:

Average throughput: 89.21 Mbit/s

95th percentile per-packet one-way delay: 115.177 ms

Loss rate: 2.76%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-30 04:33:40

End at: 2018-06-30 04:34:10

Local clock offset: 1.237 ms

Remote clock offset: 0.439 ms

Below is generated by plot.py at 2018-06-30 08:58:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.98 Mbit/s

95th percentile per-packet one-way delay: 127.988 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 130.18 Mbit/s

95th percentile per-packet one-way delay: 127.201 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 147.86 Mbit/s

95th percentile per-packet one-way delay: 128.634 ms

Loss rate: 0.92%

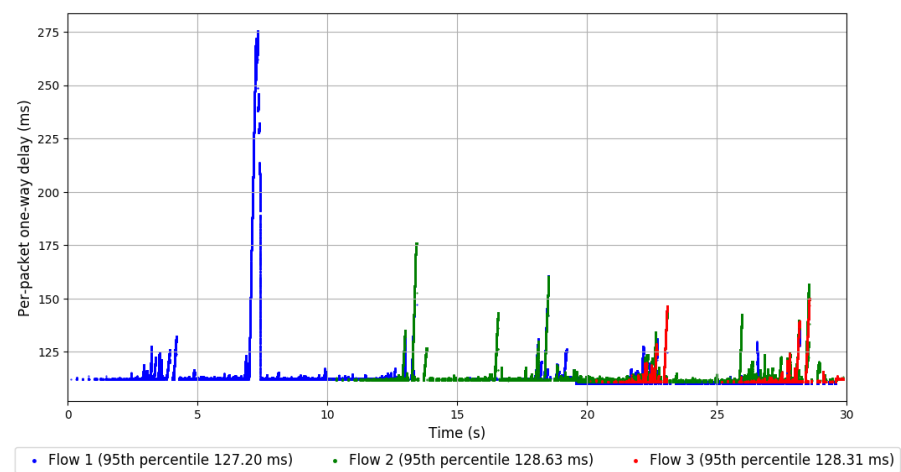
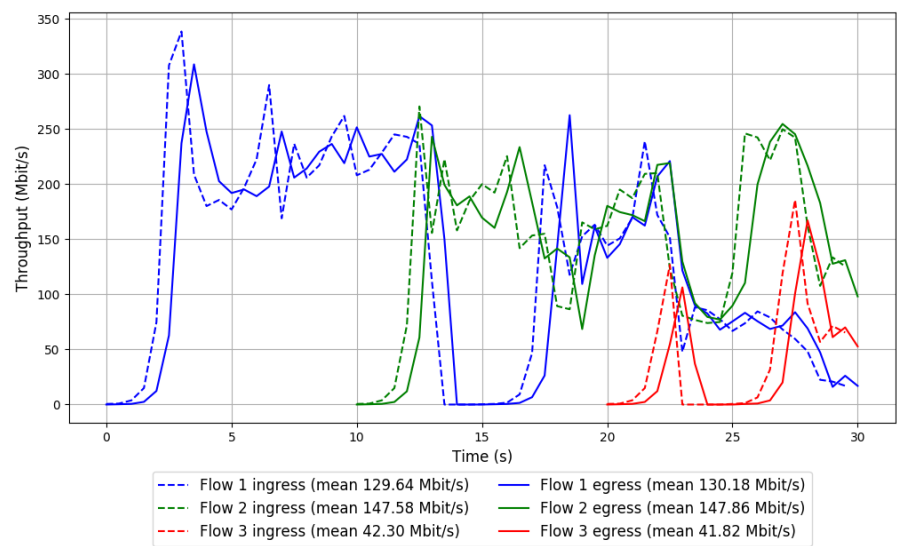
-- Flow 3:

Average throughput: 41.82 Mbit/s

95th percentile per-packet one-way delay: 128.309 ms

Loss rate: 3.36%

Run 1: Report of Copa — Data Link

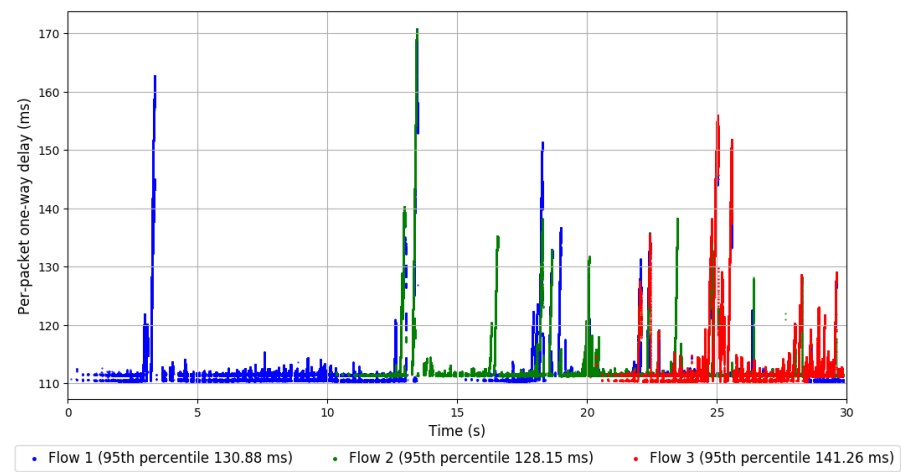
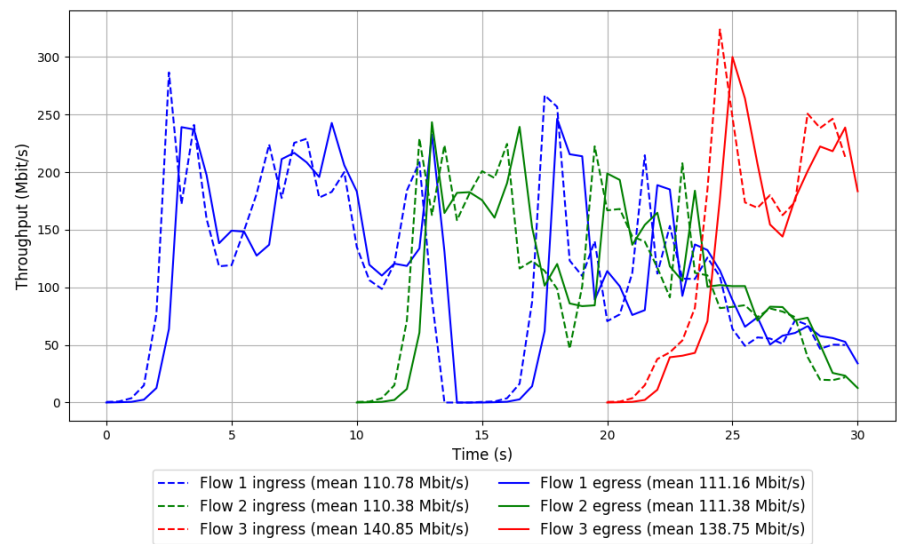


Run 2: Statistics of Copa

Start at: 2018-06-30 04:59:01
End at: 2018-06-30 04:59:31
Local clock offset: 0.013 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-06-30 08:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.33 Mbit/s
95th percentile per-packet one-way delay: 132.053 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 111.16 Mbit/s
95th percentile per-packet one-way delay: 130.880 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 111.38 Mbit/s
95th percentile per-packet one-way delay: 128.145 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 138.75 Mbit/s
95th percentile per-packet one-way delay: 141.259 ms
Loss rate: 3.81%

Run 2: Report of Copa — Data Link

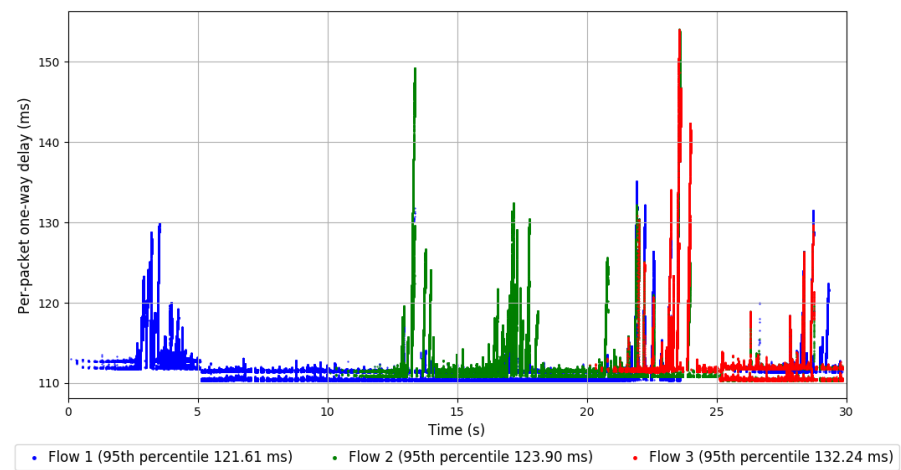
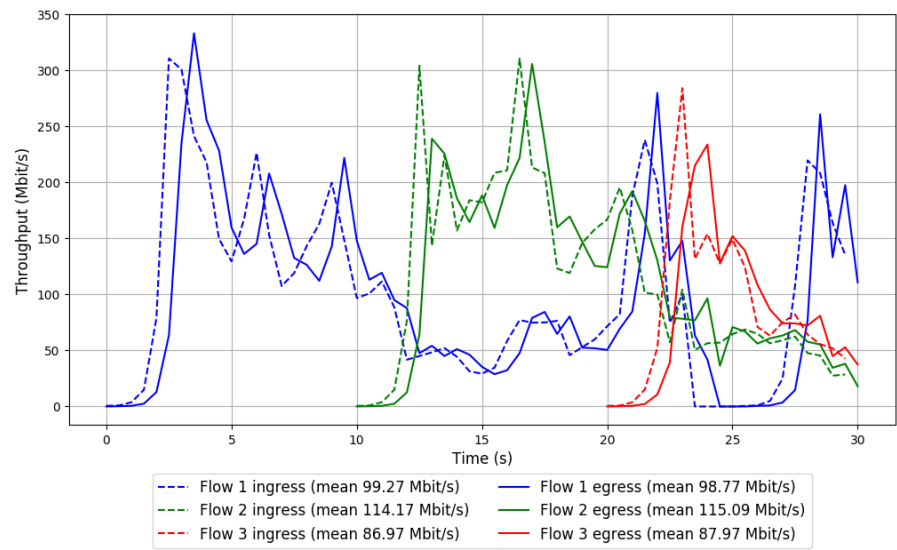


Run 3: Statistics of Copa

Start at: 2018-06-30 05:24:24
End at: 2018-06-30 05:24:54
Local clock offset: 0.318 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-30 08:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.85 Mbit/s
95th percentile per-packet one-way delay: 123.713 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 98.77 Mbit/s
95th percentile per-packet one-way delay: 121.610 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 115.09 Mbit/s
95th percentile per-packet one-way delay: 123.902 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 132.238 ms
Loss rate: 1.11%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-30 05:50:11

End at: 2018-06-30 05:50:41

Local clock offset: 0.206 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-06-30 08:58:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.63 Mbit/s

95th percentile per-packet one-way delay: 134.777 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 109.93 Mbit/s

95th percentile per-packet one-way delay: 134.294 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 103.85 Mbit/s

95th percentile per-packet one-way delay: 137.119 ms

Loss rate: 0.74%

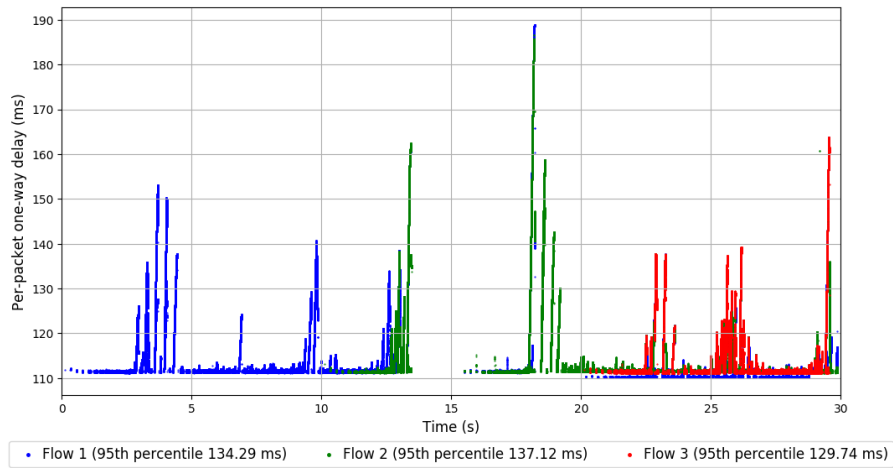
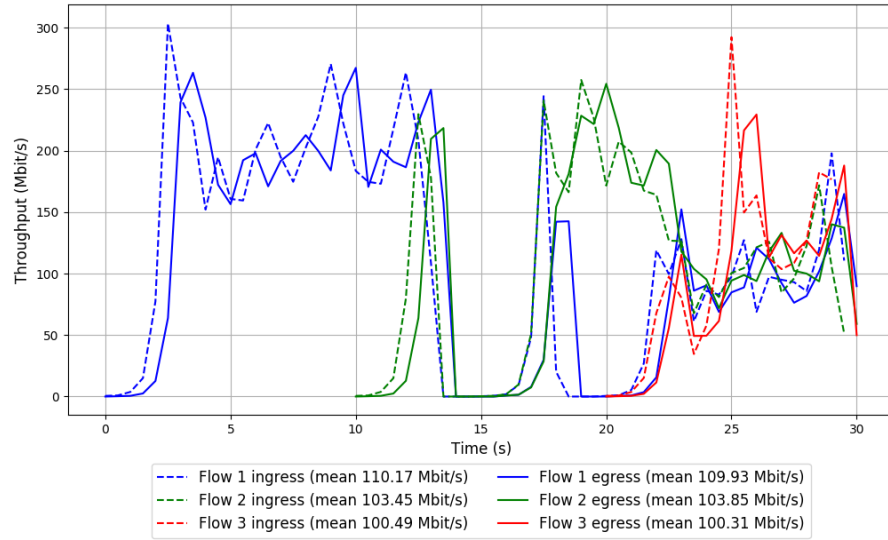
-- Flow 3:

Average throughput: 100.31 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-30 06:16:51

End at: 2018-06-30 06:17:21

Local clock offset: -1.148 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-06-30 08:58:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.17 Mbit/s

95th percentile per-packet one-way delay: 127.325 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 110.281 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 126.41 Mbit/s

95th percentile per-packet one-way delay: 128.054 ms

Loss rate: 0.42%

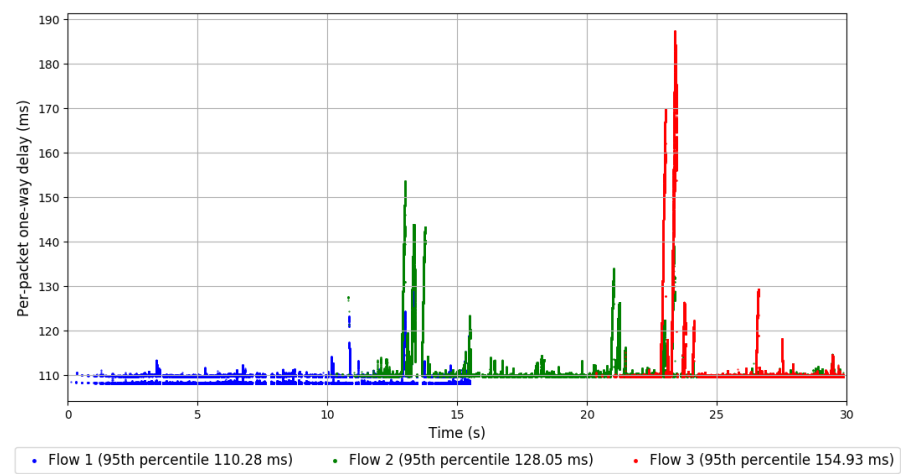
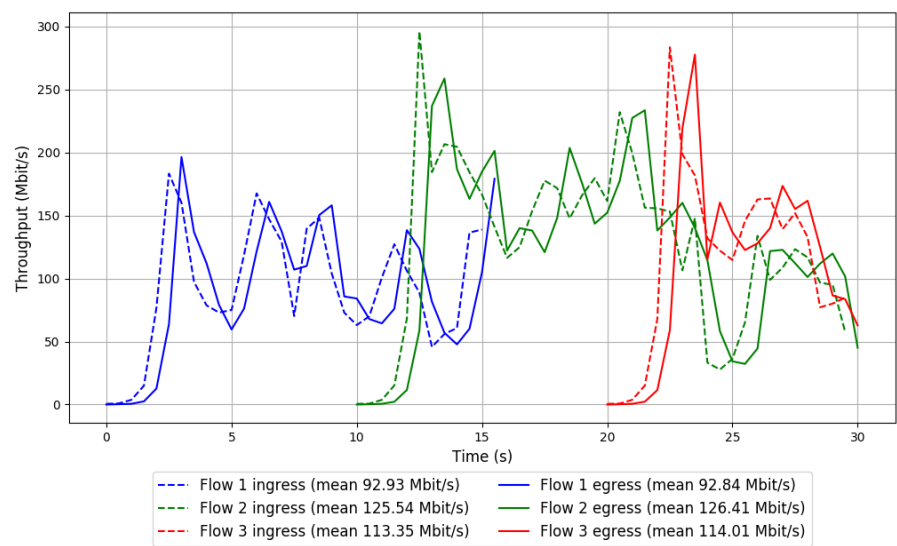
-- Flow 3:

Average throughput: 114.01 Mbit/s

95th percentile per-packet one-way delay: 154.934 ms

Loss rate: 1.66%

Run 5: Report of Copa — Data Link

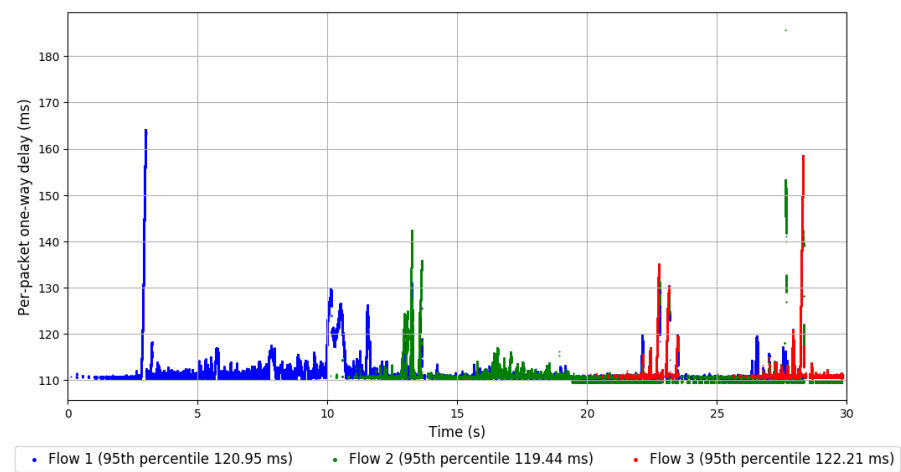
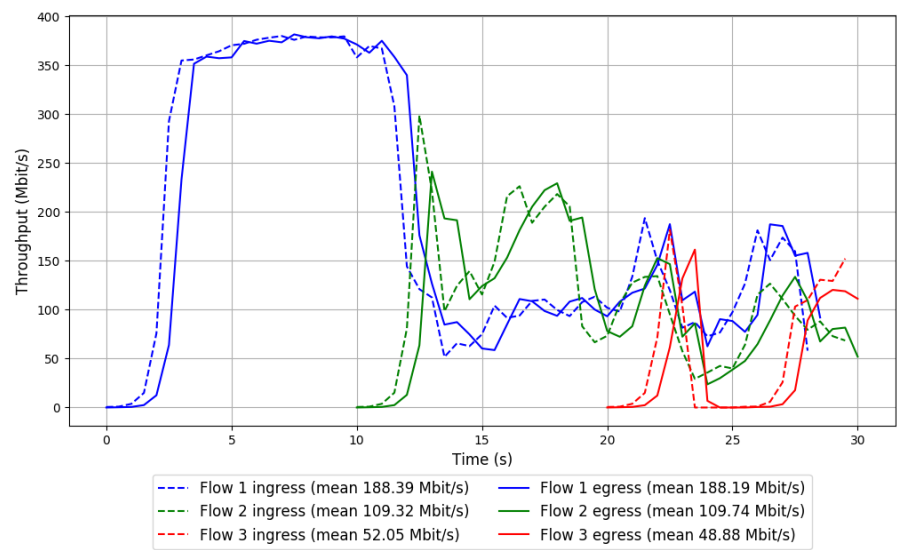


Run 6: Statistics of Copa

Start at: 2018-06-30 06:42:10
End at: 2018-06-30 06:42:40
Local clock offset: -0.052 ms
Remote clock offset: 0.48 ms

Below is generated by plot.py at 2018-06-30 08:59:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.13 Mbit/s
95th percentile per-packet one-way delay: 120.667 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 188.19 Mbit/s
95th percentile per-packet one-way delay: 120.953 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.74 Mbit/s
95th percentile per-packet one-way delay: 119.437 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 122.213 ms
Loss rate: 8.20%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-30 07:07:59

End at: 2018-06-30 07:08:29

Local clock offset: -0.123 ms

Remote clock offset: 0.471 ms

Below is generated by plot.py at 2018-06-30 09:00:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.43 Mbit/s

95th percentile per-packet one-way delay: 130.629 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 123.79 Mbit/s

95th percentile per-packet one-way delay: 127.762 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 99.64 Mbit/s

95th percentile per-packet one-way delay: 134.636 ms

Loss rate: 0.53%

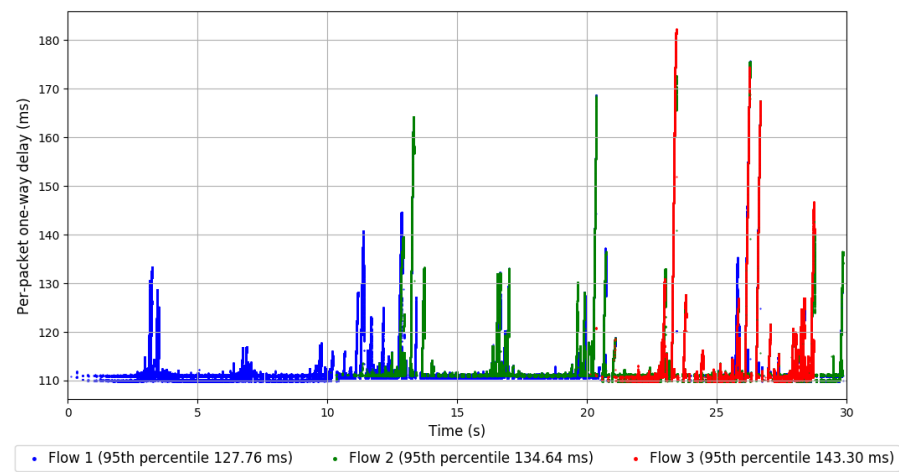
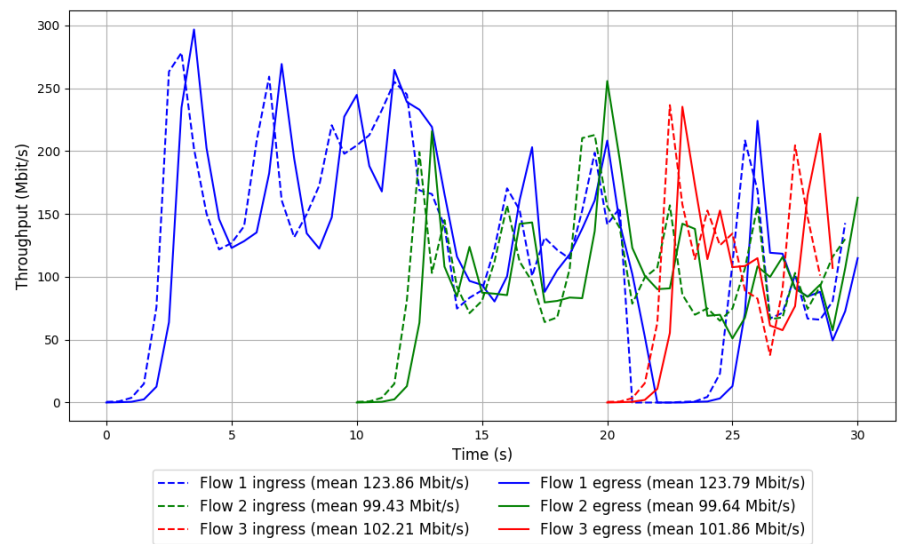
-- Flow 3:

Average throughput: 101.86 Mbit/s

95th percentile per-packet one-way delay: 143.298 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-30 07:34:17

End at: 2018-06-30 07:34:47

Local clock offset: -0.123 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2018-06-30 09:02:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 254.70 Mbit/s

95th percentile per-packet one-way delay: 123.202 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 149.36 Mbit/s

95th percentile per-packet one-way delay: 124.654 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 118.17 Mbit/s

95th percentile per-packet one-way delay: 118.033 ms

Loss rate: 1.28%

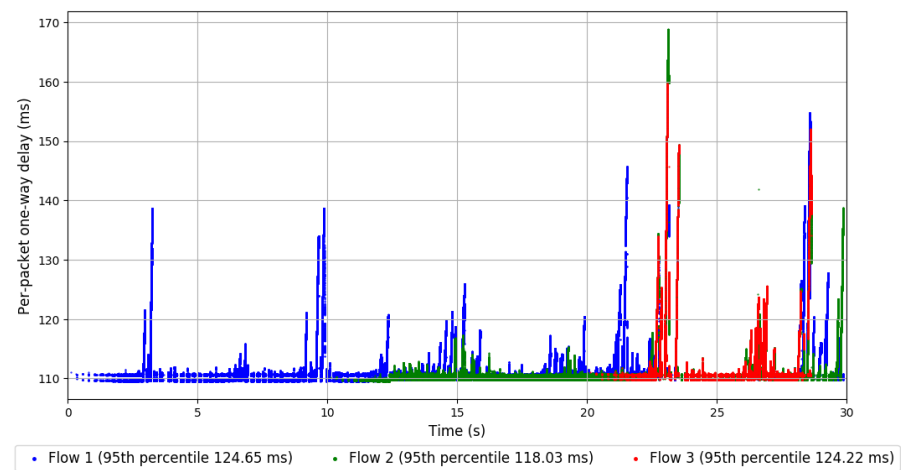
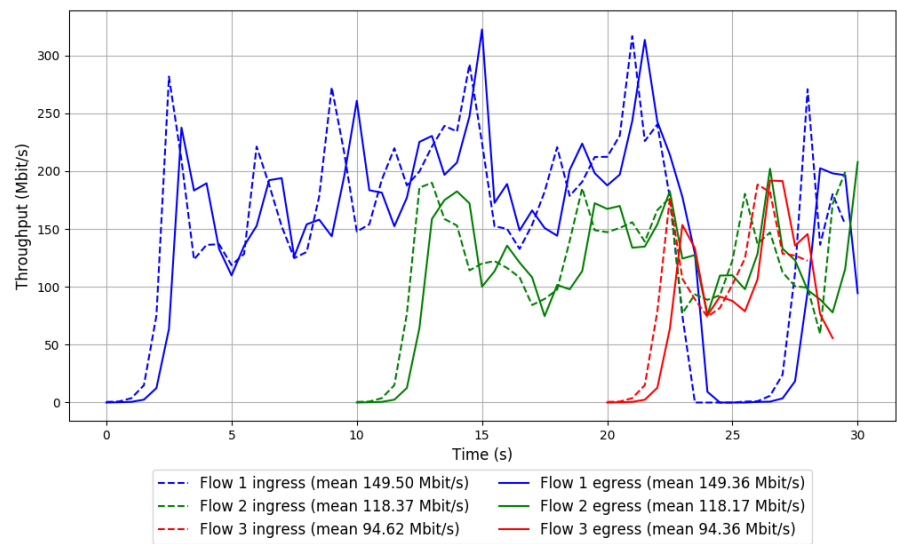
-- Flow 3:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 124.221 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

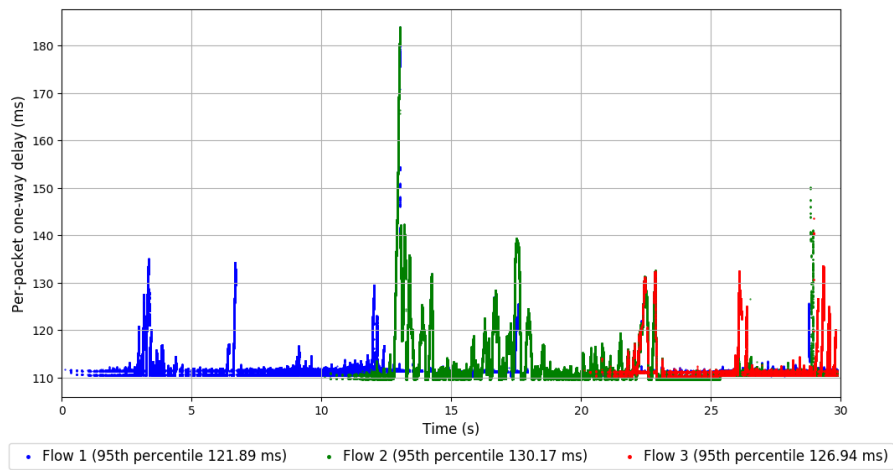
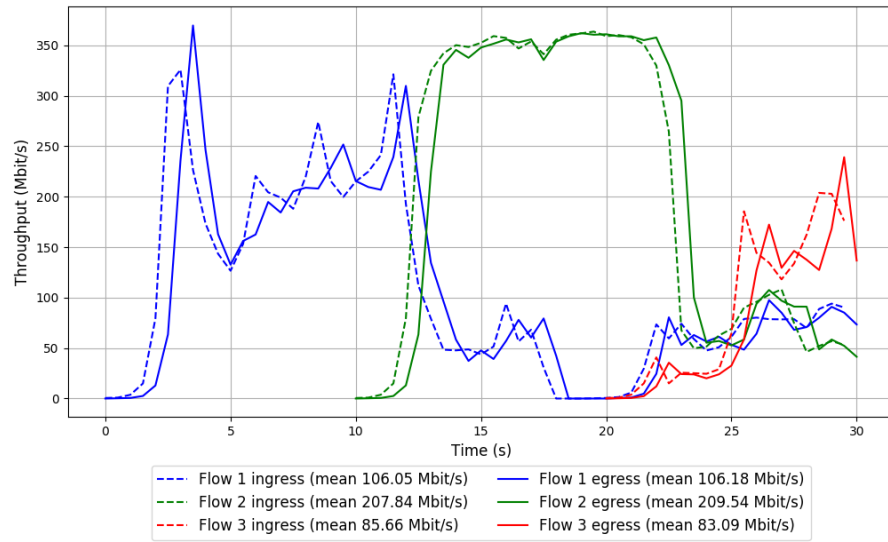


Run 9: Statistics of Copa

Start at: 2018-06-30 08:00:04
End at: 2018-06-30 08:00:34
Local clock offset: 0.206 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-30 09:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.46 Mbit/s
95th percentile per-packet one-way delay: 126.697 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 106.18 Mbit/s
95th percentile per-packet one-way delay: 121.892 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 209.54 Mbit/s
95th percentile per-packet one-way delay: 130.166 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 126.944 ms
Loss rate: 5.16%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-30 08:26:01

End at: 2018-06-30 08:26:31

Local clock offset: -0.254 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-06-30 09:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.87 Mbit/s

95th percentile per-packet one-way delay: 135.956 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 139.77 Mbit/s

95th percentile per-packet one-way delay: 135.712 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 140.948 ms

Loss rate: 0.79%

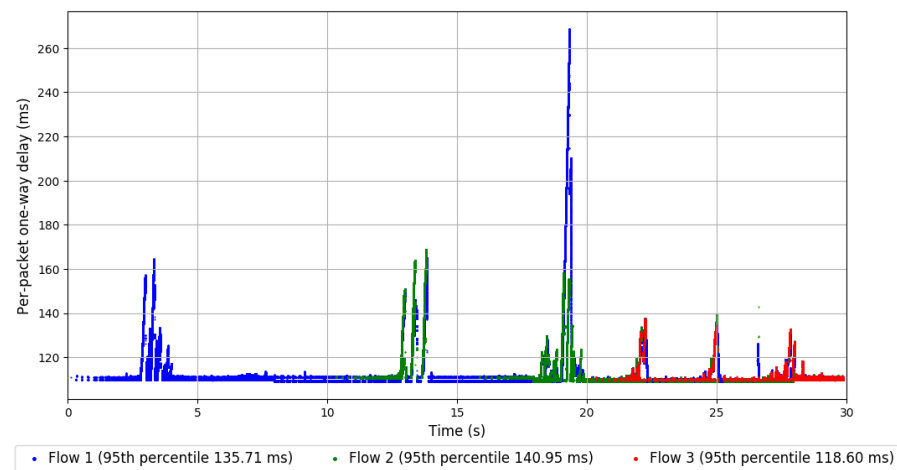
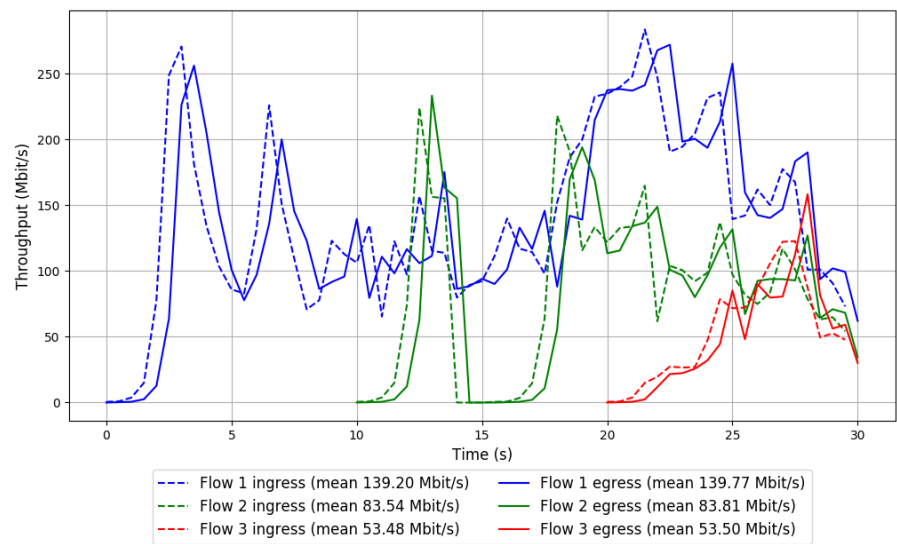
-- Flow 3:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 118.596 ms

Loss rate: 2.18%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 04:38:46

End at: 2018-06-30 04:39:16

Local clock offset: 1.33 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-30 09:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.50 Mbit/s

95th percentile per-packet one-way delay: 120.278 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 104.17 Mbit/s

95th percentile per-packet one-way delay: 120.154 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 101.09 Mbit/s

95th percentile per-packet one-way delay: 120.801 ms

Loss rate: 1.23%

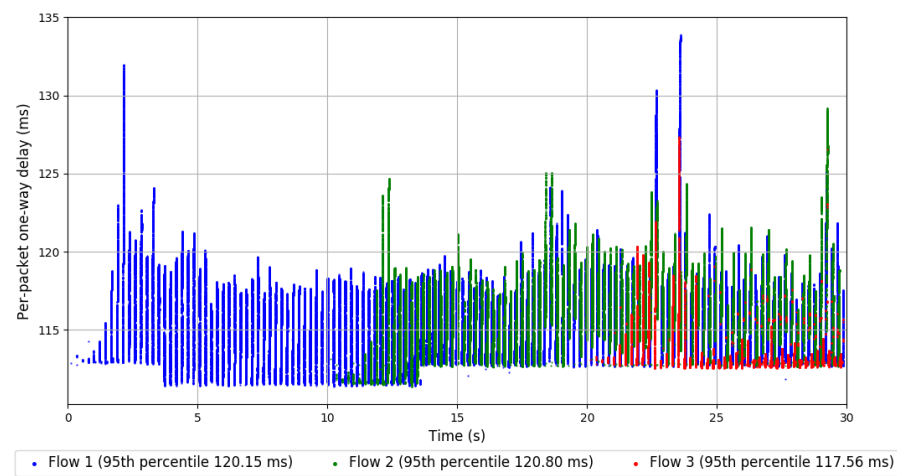
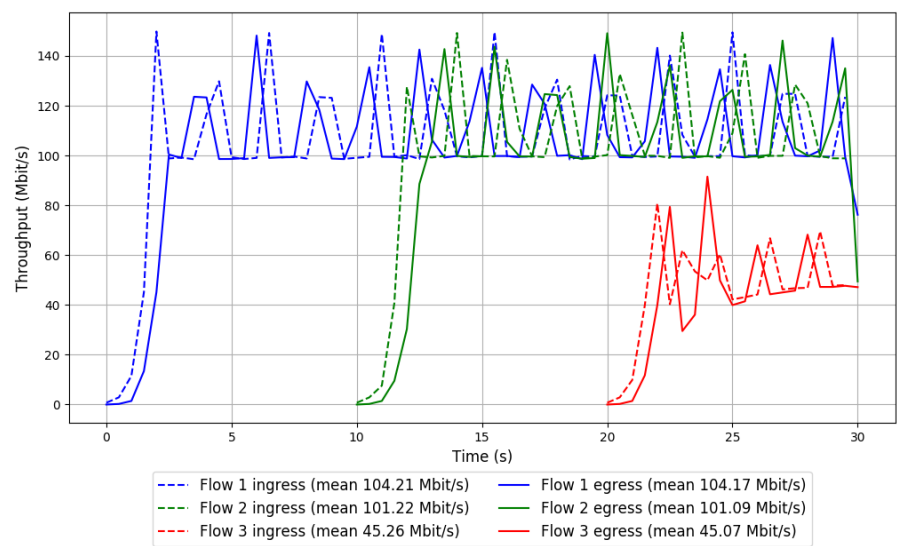
-- Flow 3:

Average throughput: 45.07 Mbit/s

95th percentile per-packet one-way delay: 117.561 ms

Loss rate: 2.64%

Run 1: Report of TCP Cubic — Data Link

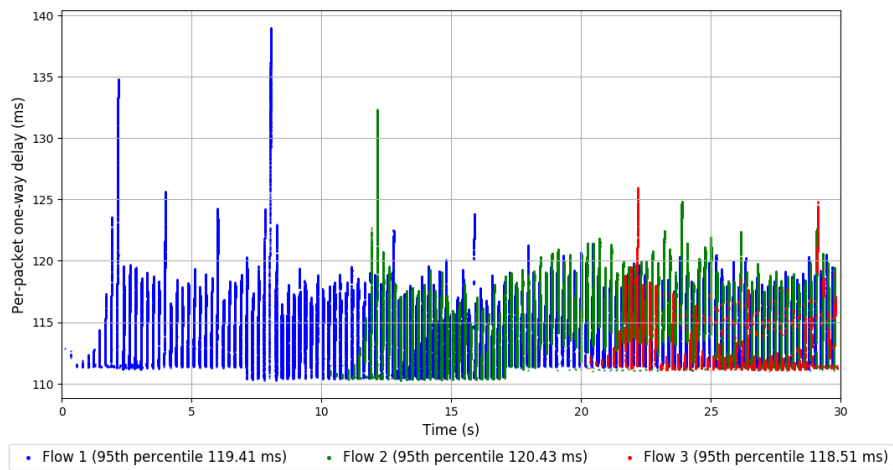
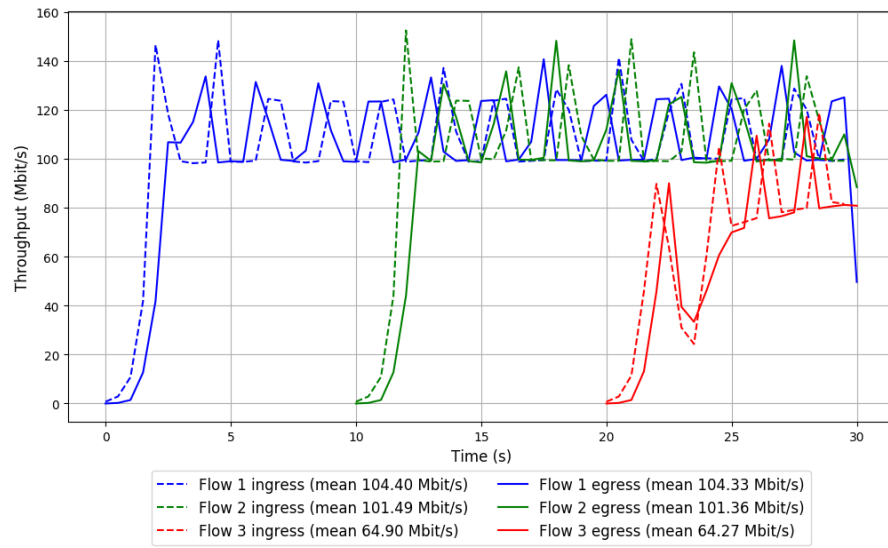


Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 05:04:02
End at: 2018-06-30 05:04:32
Local clock offset: -0.268 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-06-30 09:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.80 Mbit/s
95th percentile per-packet one-way delay: 119.946 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 104.33 Mbit/s
95th percentile per-packet one-way delay: 119.405 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 101.36 Mbit/s
95th percentile per-packet one-way delay: 120.433 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 118.506 ms
Loss rate: 3.15%

Run 2: Report of TCP Cubic — Data Link

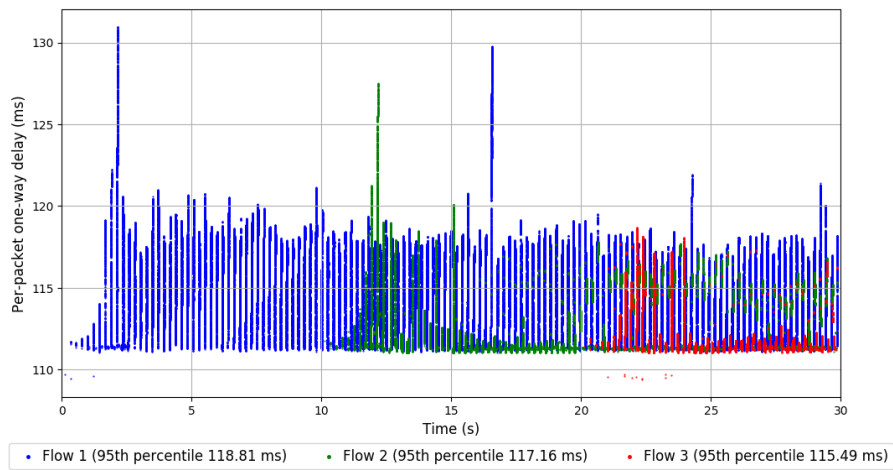
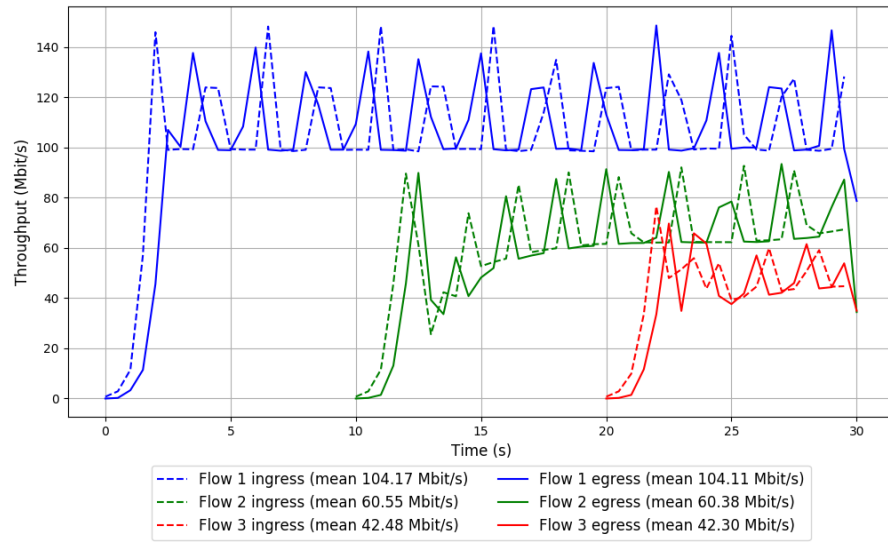


Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 05:29:29
End at: 2018-06-30 05:29:59
Local clock offset: 0.017 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-30 09:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.02 Mbit/s
95th percentile per-packet one-way delay: 118.427 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 104.11 Mbit/s
95th percentile per-packet one-way delay: 118.813 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 117.164 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 115.491 ms
Loss rate: 2.64%

Run 3: Report of TCP Cubic — Data Link

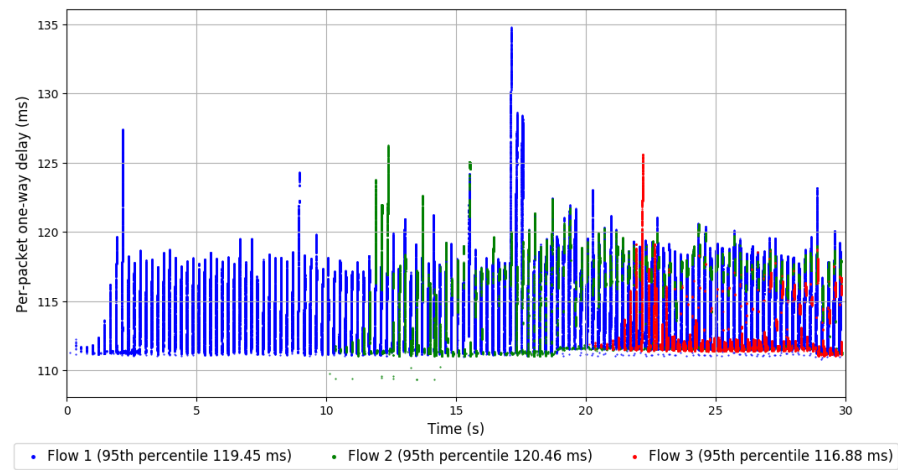
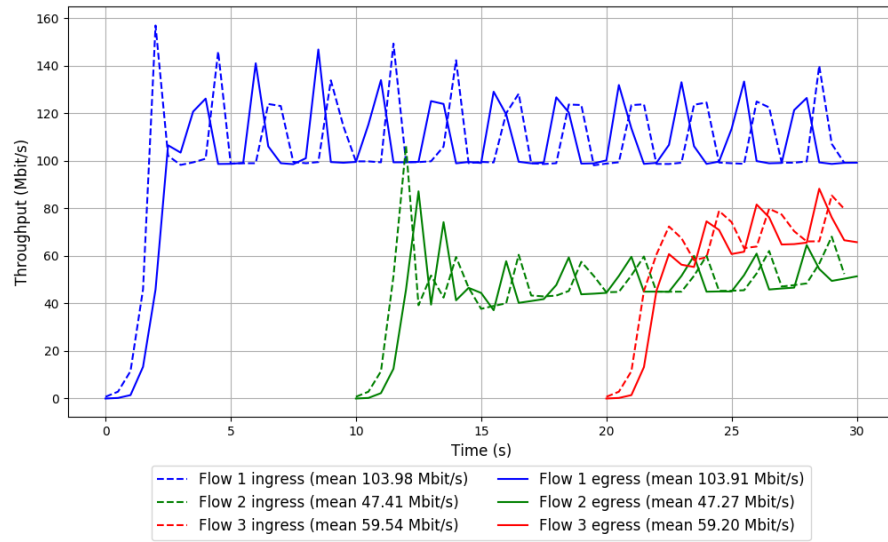


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 05:55:41
End at: 2018-06-30 05:56:11
Local clock offset: -0.341 ms
Remote clock offset: -0.345 ms

Below is generated by plot.py at 2018-06-30 09:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.41 Mbit/s
95th percentile per-packet one-way delay: 119.613 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 103.91 Mbit/s
95th percentile per-packet one-way delay: 119.447 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 47.27 Mbit/s
95th percentile per-packet one-way delay: 120.459 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 116.875 ms
Loss rate: 2.81%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 06:21:48

End at: 2018-06-30 06:22:18

Local clock offset: -1.333 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-06-30 09:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.39 Mbit/s

95th percentile per-packet one-way delay: 112.994 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 51.05 Mbit/s

95th percentile per-packet one-way delay: 111.741 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 21.72 Mbit/s

95th percentile per-packet one-way delay: 111.047 ms

Loss rate: 5.03%

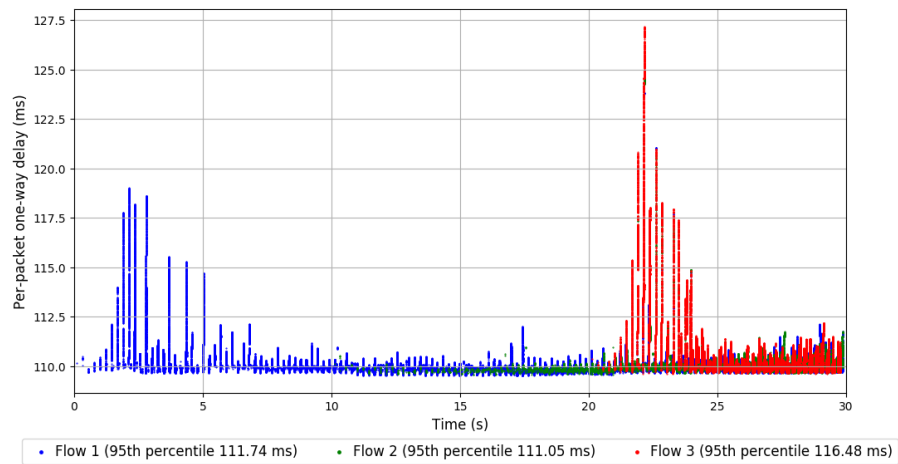
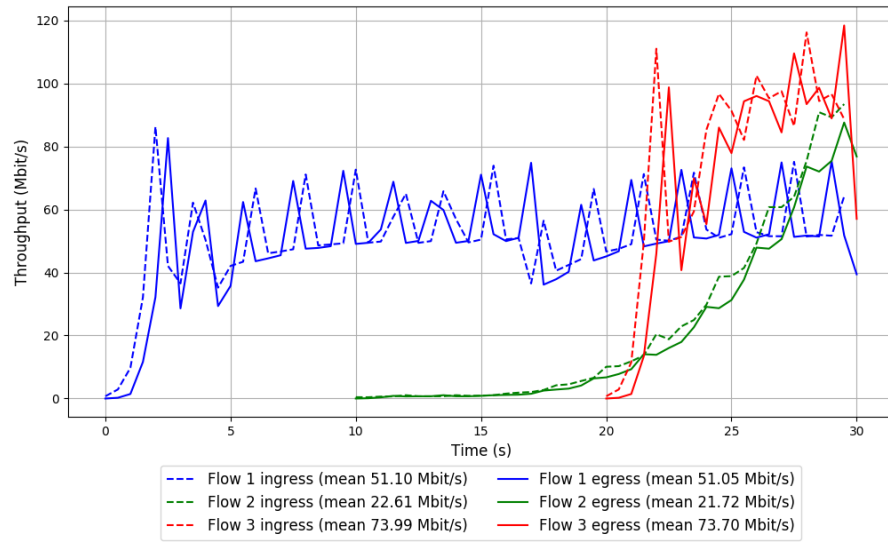
-- Flow 3:

Average throughput: 73.70 Mbit/s

95th percentile per-packet one-way delay: 116.477 ms

Loss rate: 3.03%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 06:47:21

End at: 2018-06-30 06:47:51

Local clock offset: 1.377 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-06-30 09:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.73 Mbit/s

95th percentile per-packet one-way delay: 120.104 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 120.222 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 119.209 ms

Loss rate: 1.42%

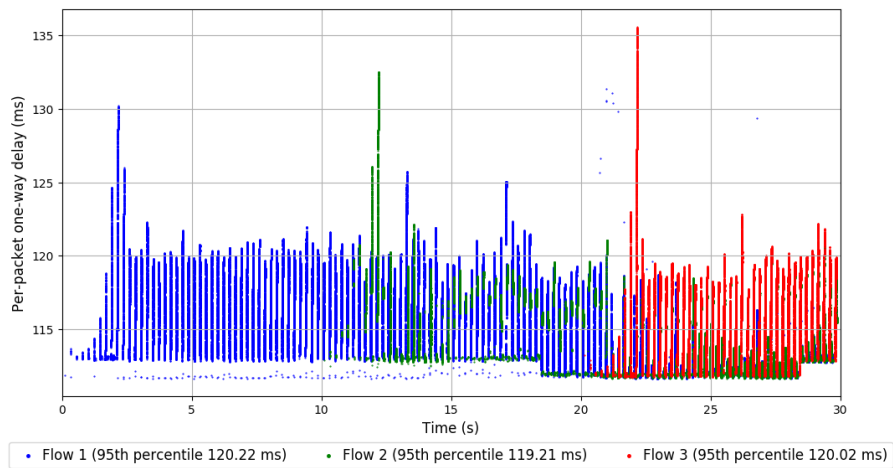
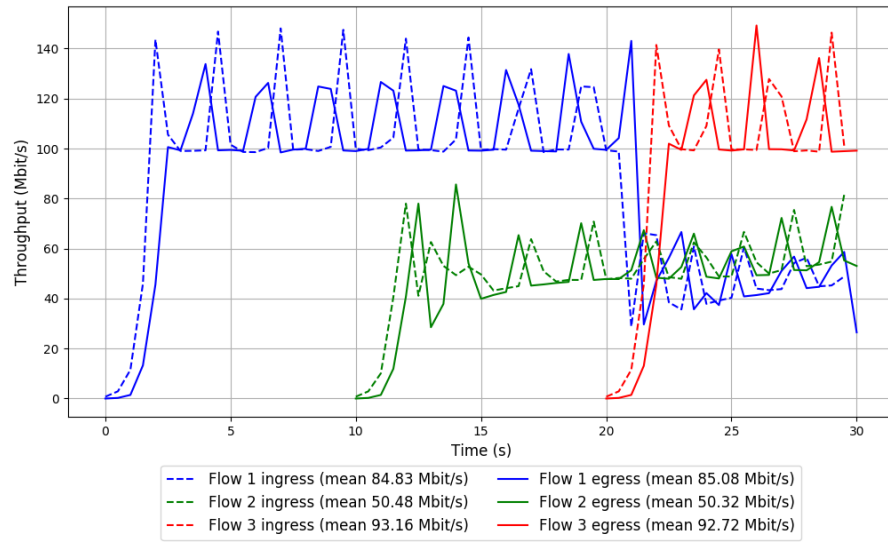
-- Flow 3:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 120.018 ms

Loss rate: 2.67%

Run 6: Report of TCP Cubic — Data Link

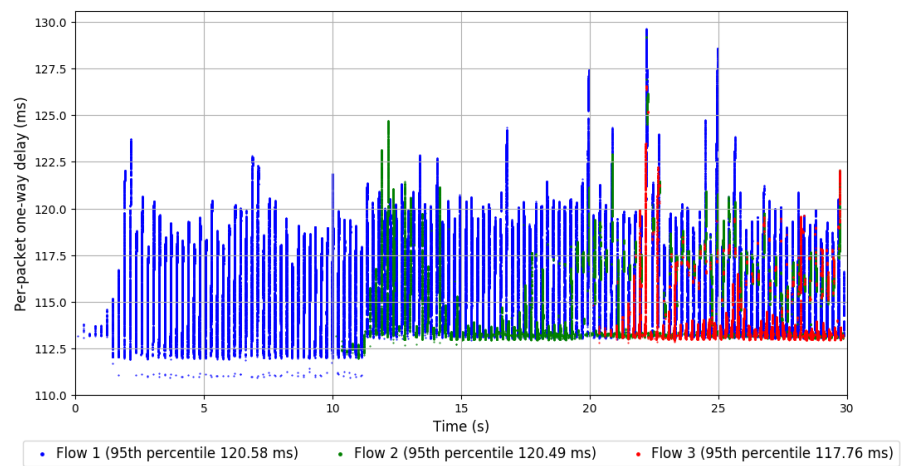
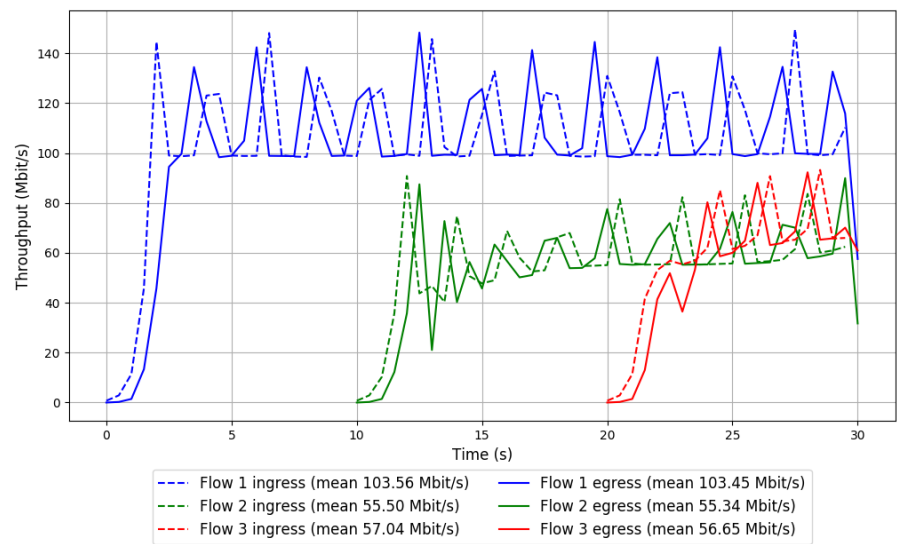


Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 07:13:18
End at: 2018-06-30 07:13:48
Local clock offset: 1.17 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-06-30 09:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.60 Mbit/s
95th percentile per-packet one-way delay: 120.410 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 103.45 Mbit/s
95th percentile per-packet one-way delay: 120.581 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 120.489 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 117.763 ms
Loss rate: 2.91%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 07:39:27

End at: 2018-06-30 07:39:57

Local clock offset: -0.063 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-06-30 09:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.10 Mbit/s

95th percentile per-packet one-way delay: 117.705 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 104.79 Mbit/s

95th percentile per-packet one-way delay: 117.820 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 101.36 Mbit/s

95th percentile per-packet one-way delay: 117.617 ms

Loss rate: 1.23%

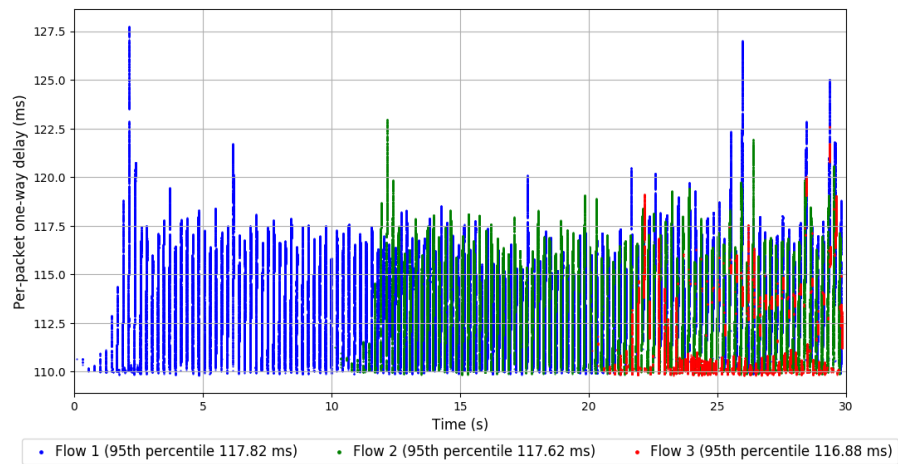
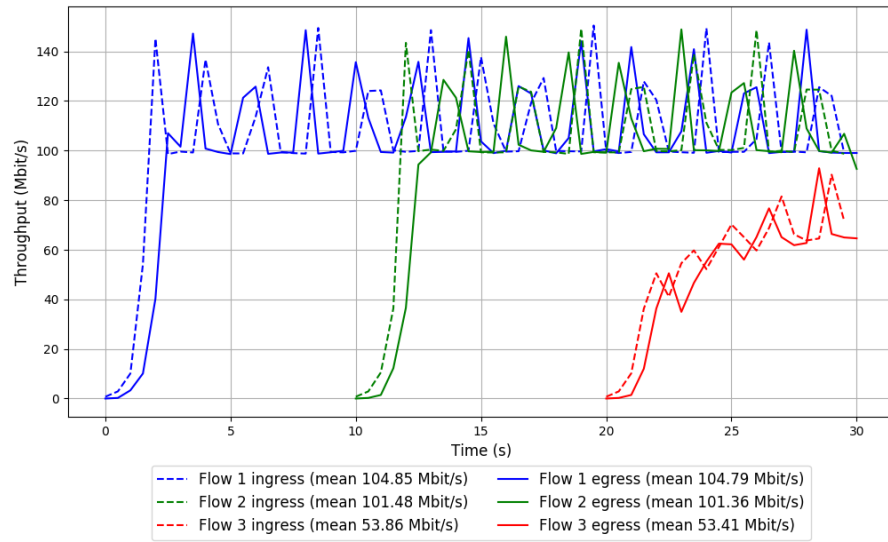
-- Flow 3:

Average throughput: 53.41 Mbit/s

95th percentile per-packet one-way delay: 116.880 ms

Loss rate: 3.05%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 08:05:17

End at: 2018-06-30 08:05:47

Local clock offset: 0.134 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-06-30 09:05:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.67 Mbit/s

95th percentile per-packet one-way delay: 118.270 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 104.66 Mbit/s

95th percentile per-packet one-way delay: 118.165 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 101.57 Mbit/s

95th percentile per-packet one-way delay: 118.478 ms

Loss rate: 1.23%

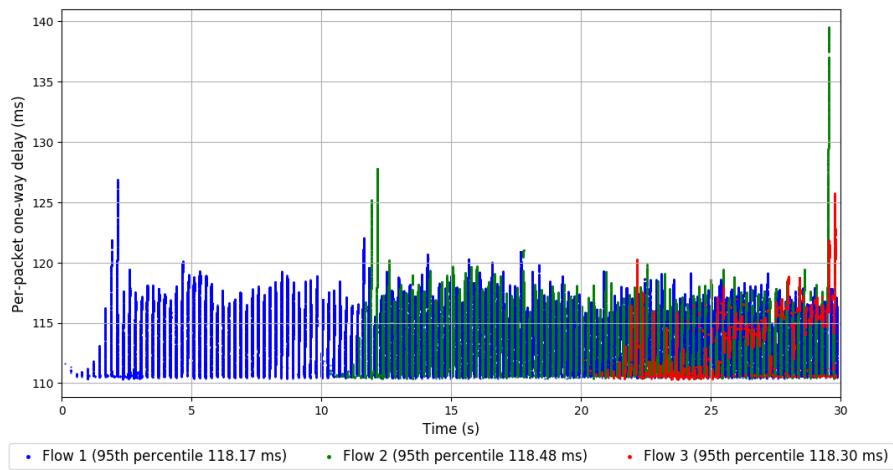
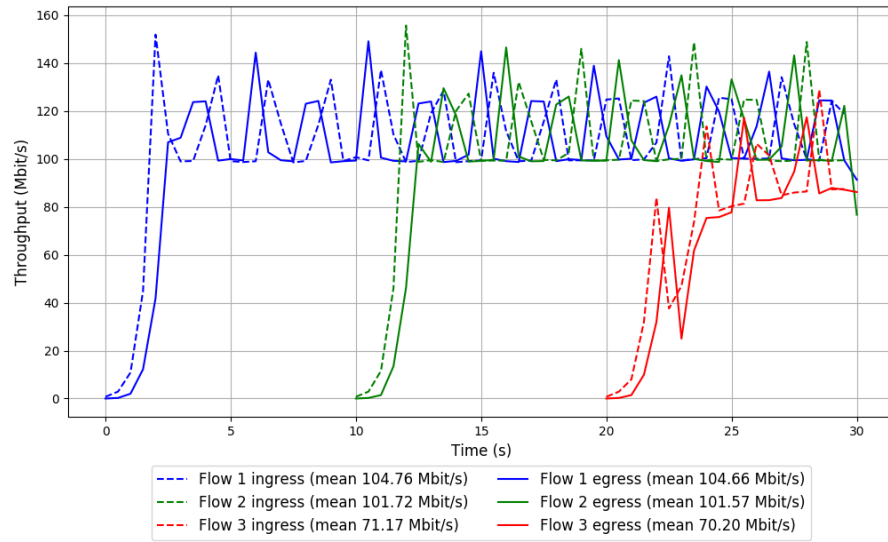
-- Flow 3:

Average throughput: 70.20 Mbit/s

95th percentile per-packet one-way delay: 118.302 ms

Loss rate: 3.10%

Run 9: Report of TCP Cubic — Data Link

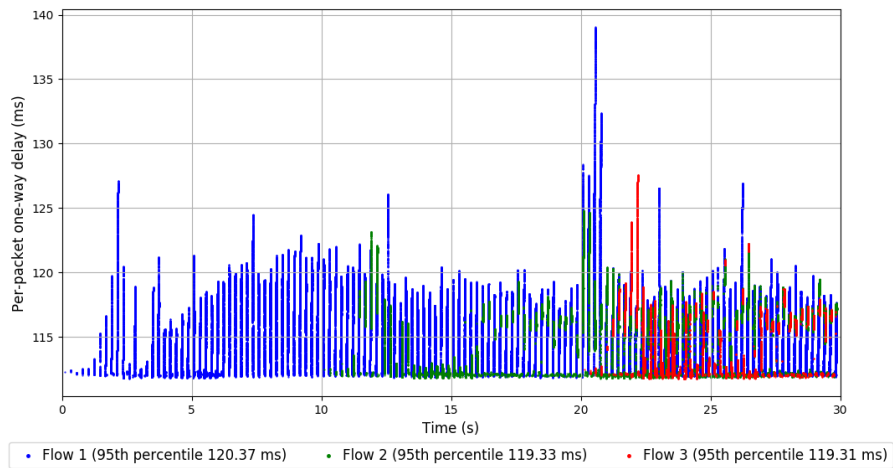
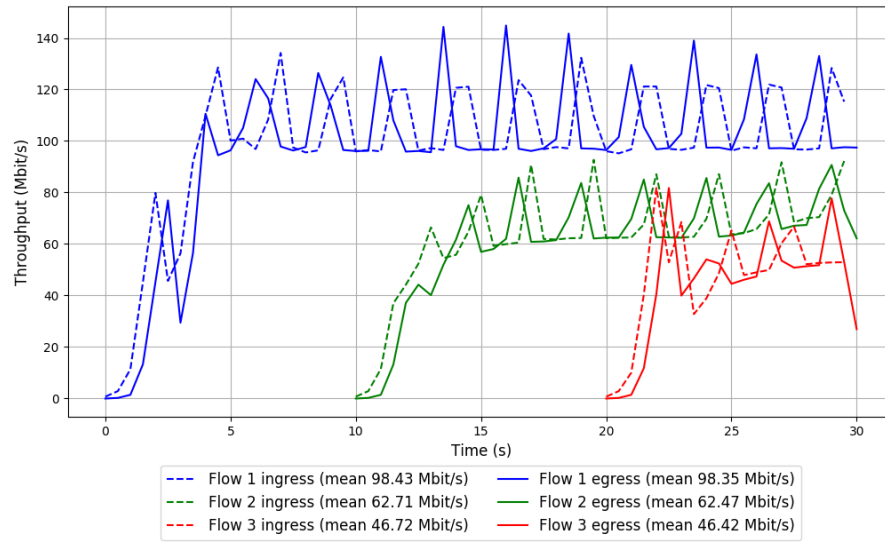


Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 08:31:01
End at: 2018-06-30 08:31:31
Local clock offset: 0.22 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-06-30 09:05:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.90 Mbit/s
95th percentile per-packet one-way delay: 120.144 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 98.35 Mbit/s
95th percentile per-packet one-way delay: 120.371 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 62.47 Mbit/s
95th percentile per-packet one-way delay: 119.331 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 119.311 ms
Loss rate: 2.86%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-30 04:35:17

End at: 2018-06-30 04:35:47

Local clock offset: -0.067 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-06-30 09:29:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 1349.11 Mbit/s

95th percentile per-packet one-way delay: 268.176 ms

Loss rate: 3.96%

-- Flow 1:

Average throughput: 721.29 Mbit/s

95th percentile per-packet one-way delay: 235.393 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 723.14 Mbit/s

95th percentile per-packet one-way delay: 272.081 ms

Loss rate: 2.13%

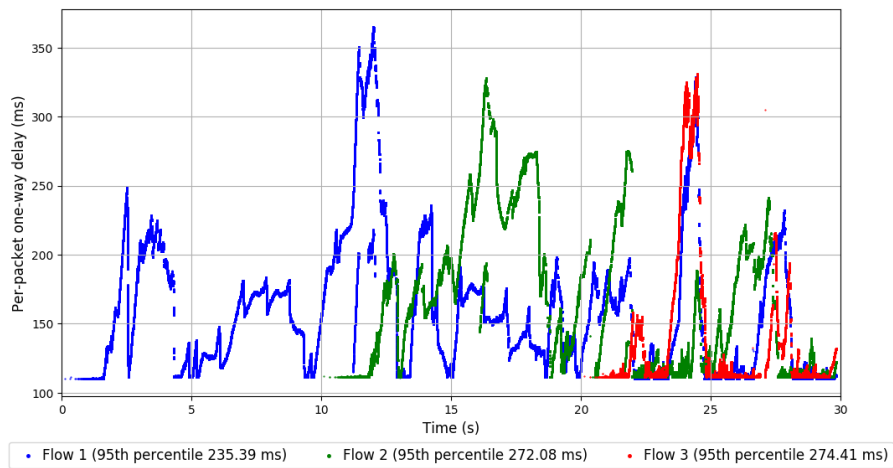
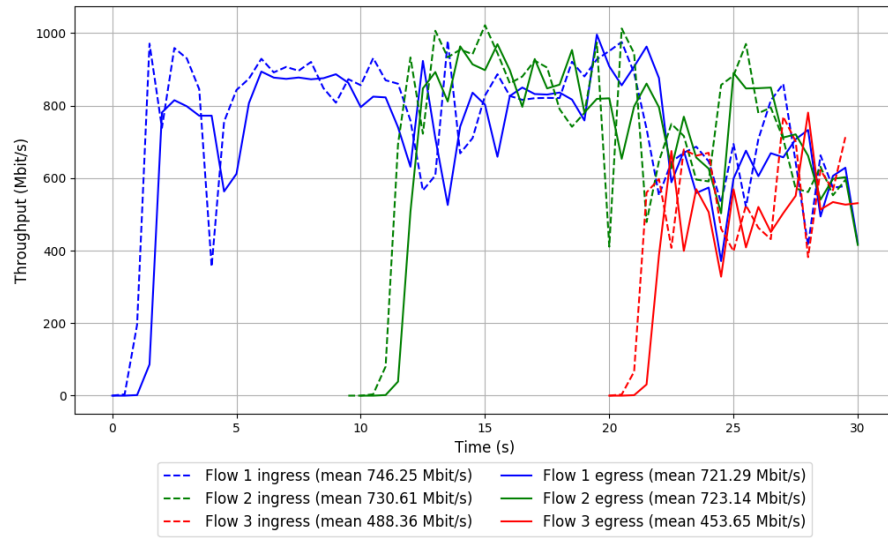
-- Flow 3:

Average throughput: 453.65 Mbit/s

95th percentile per-packet one-way delay: 274.411 ms

Loss rate: 9.21%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-30 05:00:36

End at: 2018-06-30 05:01:06

Local clock offset: 0.064 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-06-30 09:29:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1297.61 Mbit/s

95th percentile per-packet one-way delay: 257.004 ms

Loss rate: 2.78%

-- Flow 1:

Average throughput: 750.59 Mbit/s

95th percentile per-packet one-way delay: 256.675 ms

Loss rate: 2.99%

-- Flow 2:

Average throughput: 548.46 Mbit/s

95th percentile per-packet one-way delay: 240.931 ms

Loss rate: 1.25%

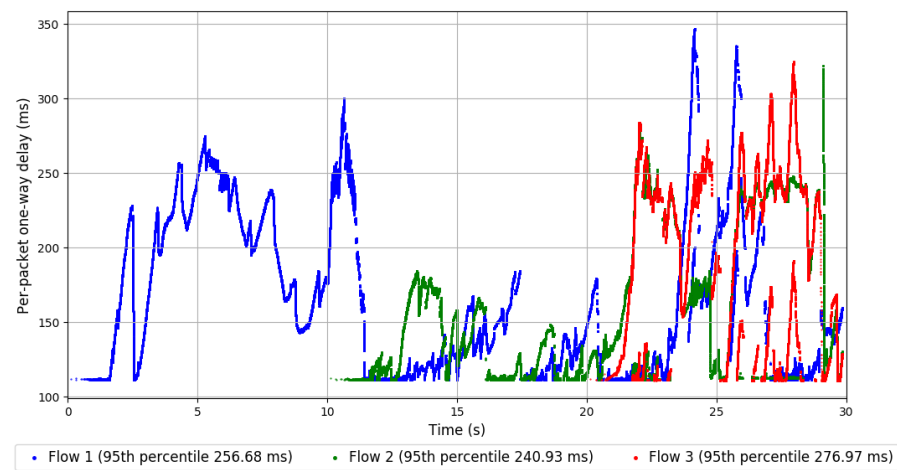
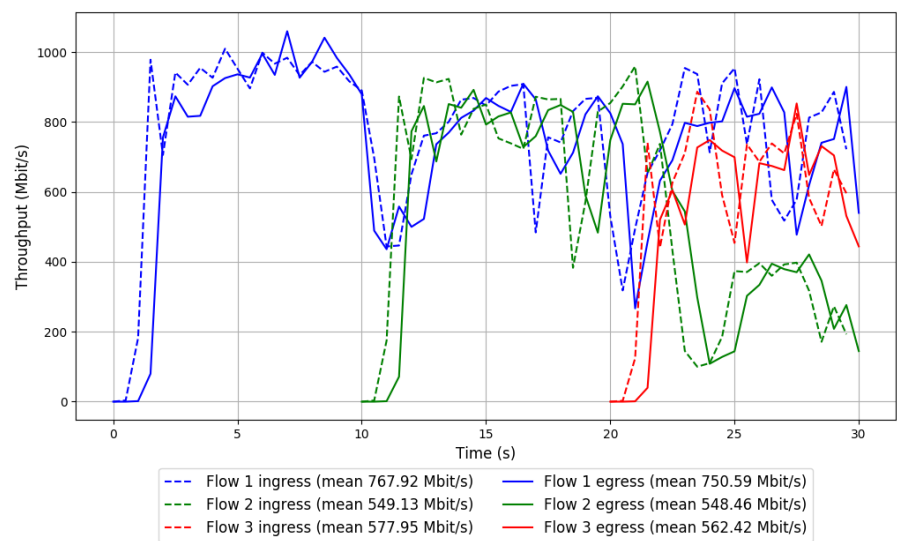
-- Flow 3:

Average throughput: 562.42 Mbit/s

95th percentile per-packet one-way delay: 276.966 ms

Loss rate: 4.88%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-30 05:25:57

End at: 2018-06-30 05:26:27

Local clock offset: -0.049 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-30 09:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1423.74 Mbit/s

95th percentile per-packet one-way delay: 230.138 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 787.23 Mbit/s

95th percentile per-packet one-way delay: 184.869 ms

Loss rate: 2.55%

-- Flow 2:

Average throughput: 677.48 Mbit/s

95th percentile per-packet one-way delay: 282.772 ms

Loss rate: 1.85%

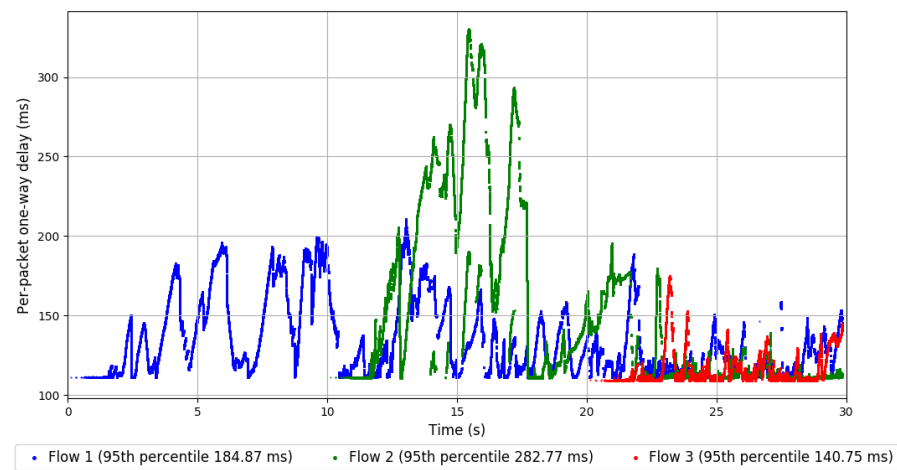
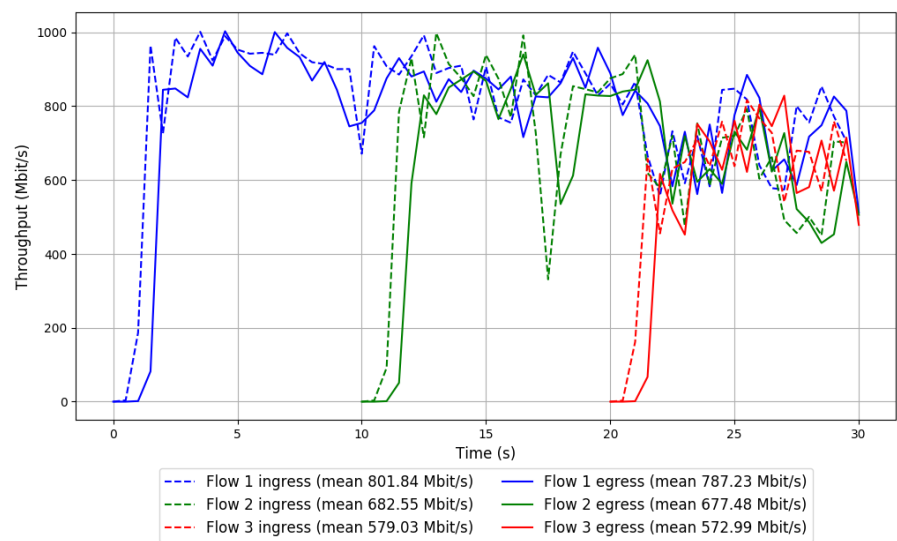
-- Flow 3:

Average throughput: 572.99 Mbit/s

95th percentile per-packet one-way delay: 140.750 ms

Loss rate: 3.24%

Run 3: Report of FillP — Data Link

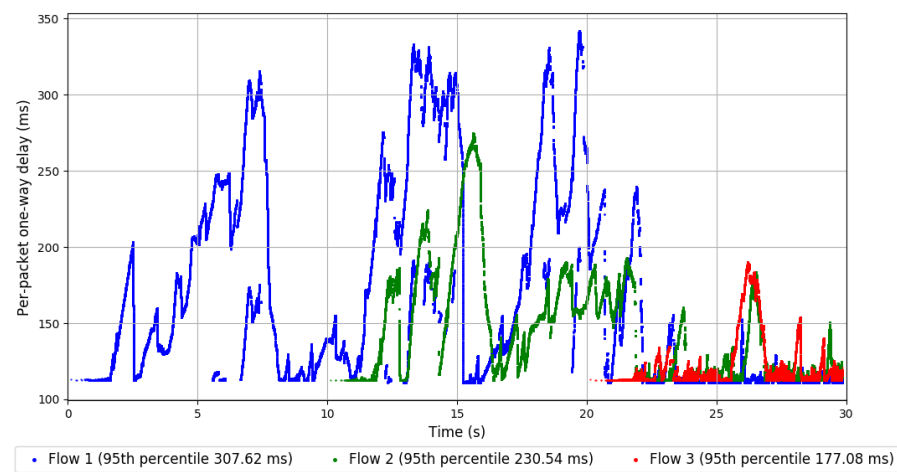
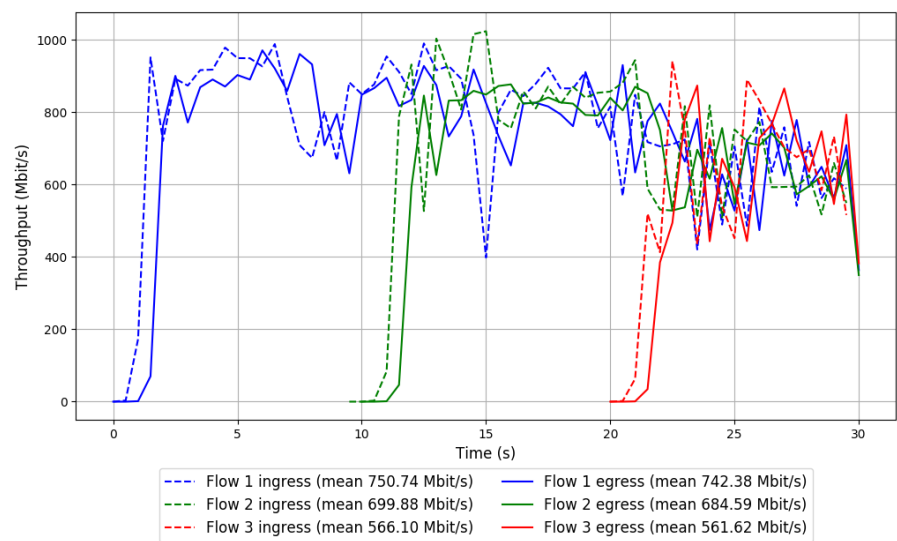


Run 4: Statistics of FillP

Start at: 2018-06-30 05:51:48
End at: 2018-06-30 05:52:18
Local clock offset: 1.222 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-30 09:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1379.84 Mbit/s
95th percentile per-packet one-way delay: 290.903 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 742.38 Mbit/s
95th percentile per-packet one-way delay: 307.625 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 684.59 Mbit/s
95th percentile per-packet one-way delay: 230.537 ms
Loss rate: 3.31%
-- Flow 3:
Average throughput: 561.62 Mbit/s
95th percentile per-packet one-way delay: 177.081 ms
Loss rate: 3.02%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-30 06:18:21

End at: 2018-06-30 06:18:51

Local clock offset: 1.02 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-06-30 09:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1314.93 Mbit/s

95th percentile per-packet one-way delay: 245.780 ms

Loss rate: 3.69%

-- Flow 1:

Average throughput: 718.50 Mbit/s

95th percentile per-packet one-way delay: 257.664 ms

Loss rate: 3.19%

-- Flow 2:

Average throughput: 706.47 Mbit/s

95th percentile per-packet one-way delay: 211.243 ms

Loss rate: 4.23%

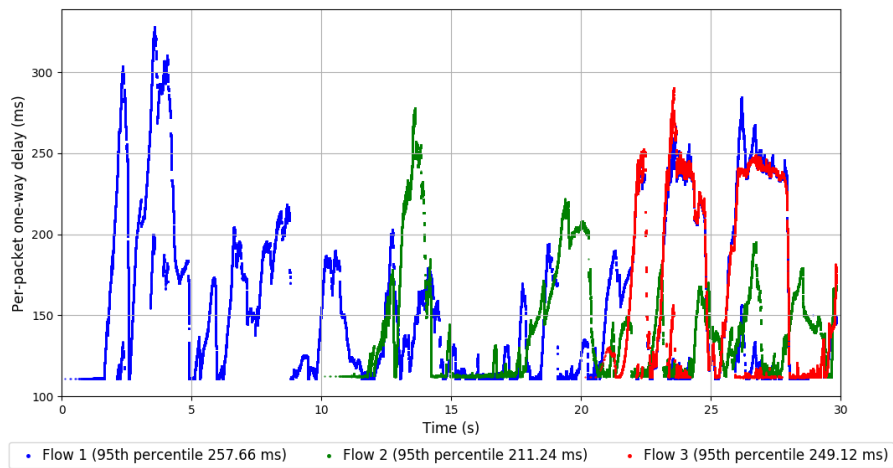
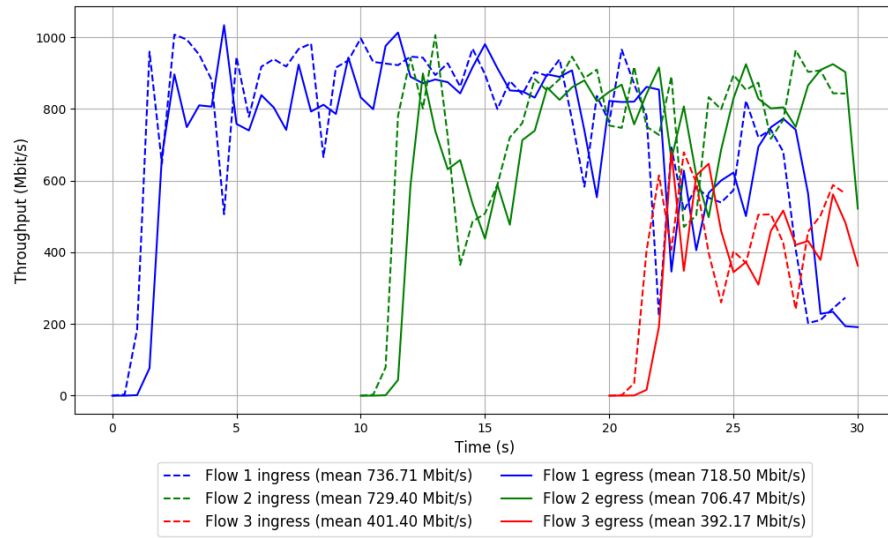
-- Flow 3:

Average throughput: 392.17 Mbit/s

95th percentile per-packet one-way delay: 249.125 ms

Loss rate: 4.49%

Run 5: Report of FillP — Data Link

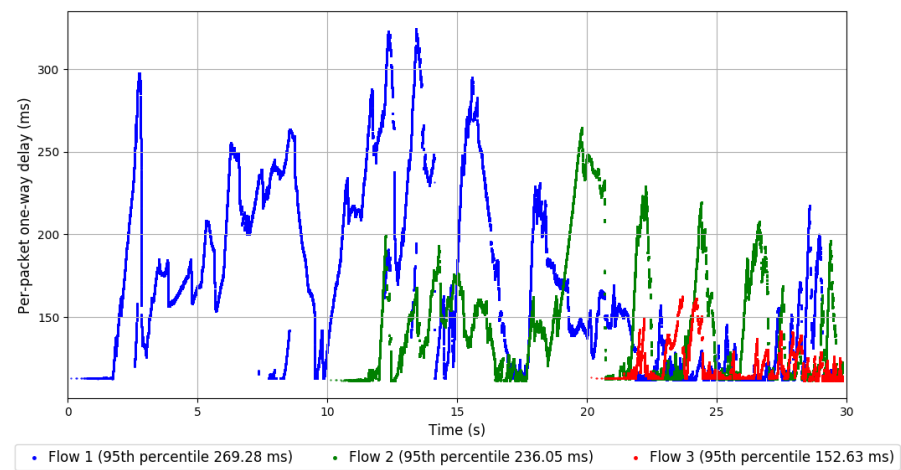
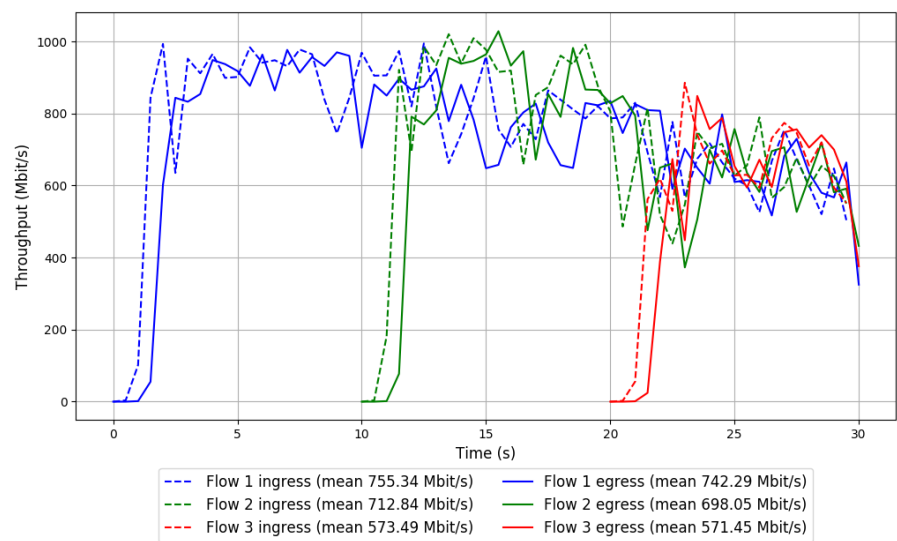


Run 6: Statistics of FillP

Start at: 2018-06-30 06:43:51
End at: 2018-06-30 06:44:21
Local clock offset: 1.322 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-06-30 09:32:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1391.75 Mbit/s
95th percentile per-packet one-way delay: 254.020 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 742.29 Mbit/s
95th percentile per-packet one-way delay: 269.278 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 698.05 Mbit/s
95th percentile per-packet one-way delay: 236.052 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 571.45 Mbit/s
95th percentile per-packet one-way delay: 152.634 ms
Loss rate: 2.62%

Run 6: Report of FillP — Data Link

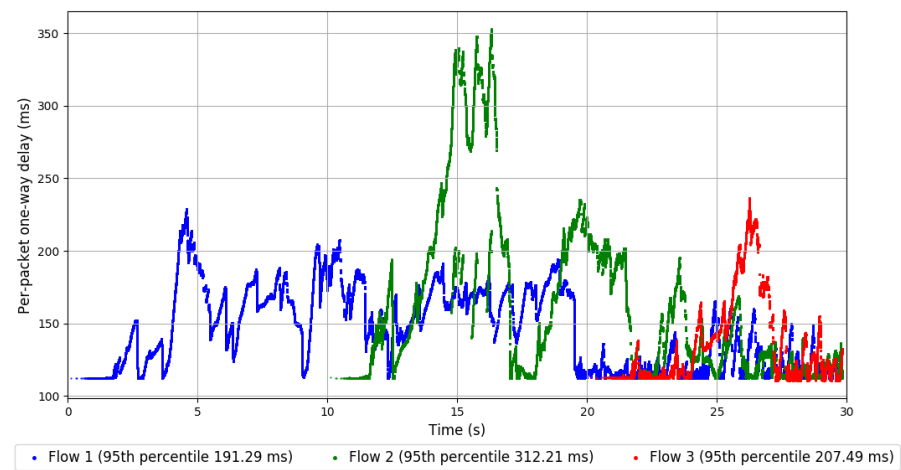
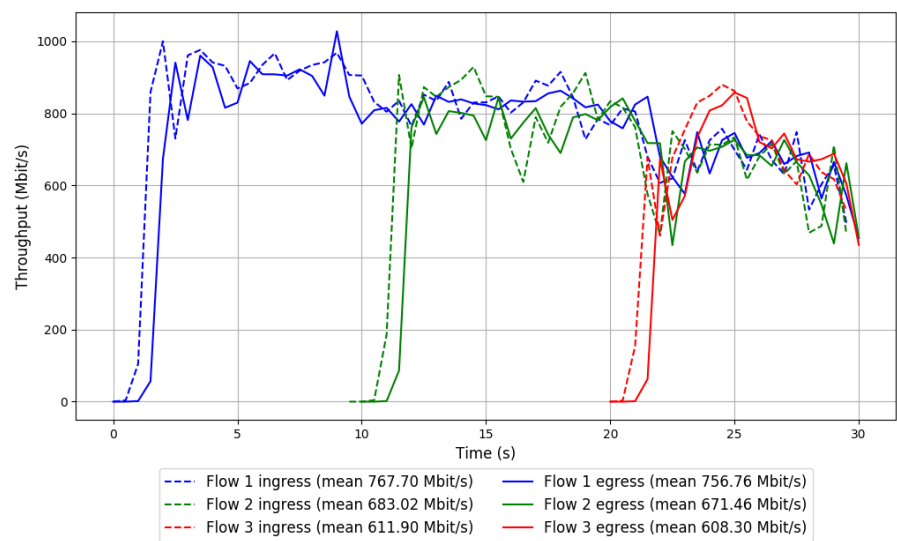


Run 7: Statistics of FillP

Start at: 2018-06-30 07:09:34
End at: 2018-06-30 07:10:04
Local clock offset: 1.291 ms
Remote clock offset: 0.426 ms

Below is generated by plot.py at 2018-06-30 09:32:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 1400.57 Mbit/s
95th percentile per-packet one-way delay: 221.664 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 756.76 Mbit/s
95th percentile per-packet one-way delay: 191.295 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 671.46 Mbit/s
95th percentile per-packet one-way delay: 312.213 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 608.30 Mbit/s
95th percentile per-packet one-way delay: 207.489 ms
Loss rate: 2.64%

Run 7: Report of FillP — Data Link

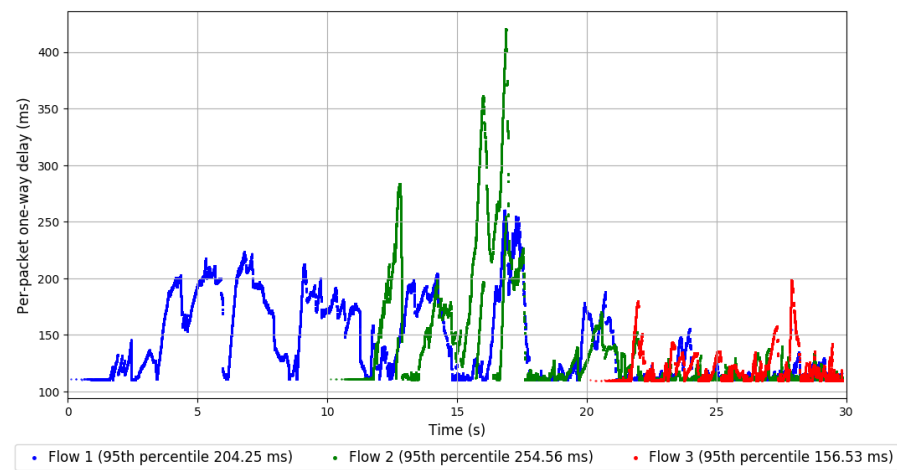
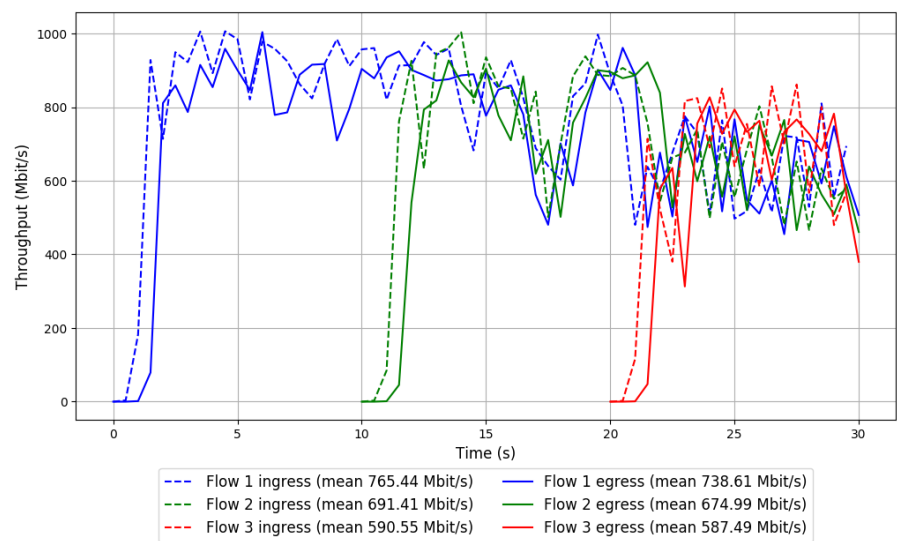


Run 8: Statistics of FillP

Start at: 2018-06-30 07:35:56
End at: 2018-06-30 07:36:26
Local clock offset: -0.296 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-30 09:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1378.10 Mbit/s
95th percentile per-packet one-way delay: 210.142 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 738.61 Mbit/s
95th percentile per-packet one-way delay: 204.246 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 674.99 Mbit/s
95th percentile per-packet one-way delay: 254.557 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 587.49 Mbit/s
95th percentile per-packet one-way delay: 156.533 ms
Loss rate: 2.75%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-30 08:01:47

End at: 2018-06-30 08:02:17

Local clock offset: 0.118 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1311.24 Mbit/s

95th percentile per-packet one-way delay: 263.344 ms

Loss rate: 4.08%

-- Flow 1:

Average throughput: 716.37 Mbit/s

95th percentile per-packet one-way delay: 264.702 ms

Loss rate: 3.98%

-- Flow 2:

Average throughput: 625.35 Mbit/s

95th percentile per-packet one-way delay: 305.159 ms

Loss rate: 4.76%

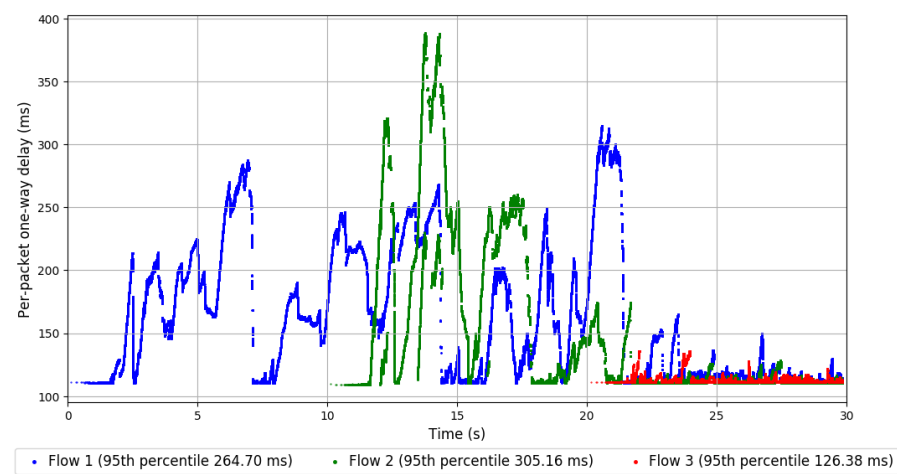
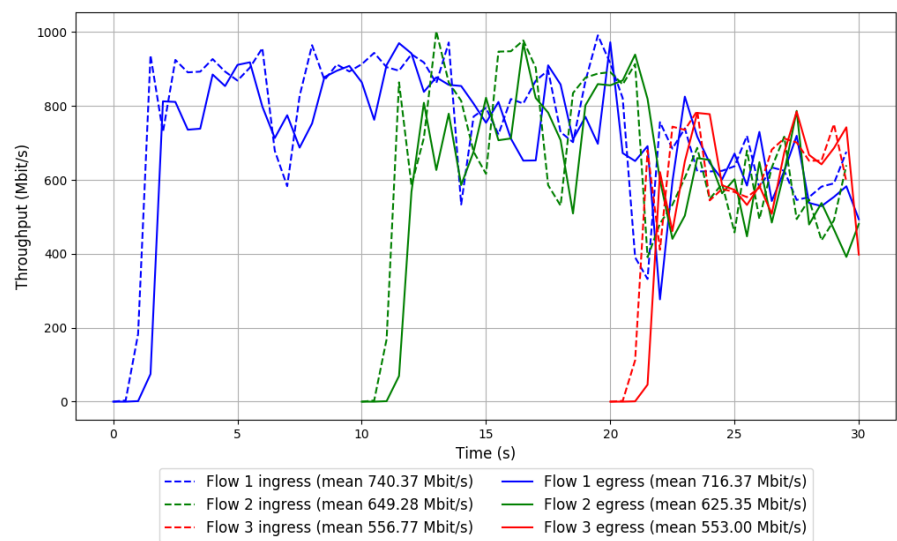
-- Flow 3:

Average throughput: 553.00 Mbit/s

95th percentile per-packet one-way delay: 126.378 ms

Loss rate: 2.90%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-30 08:27:35

End at: 2018-06-30 08:28:05

Local clock offset: 0.023 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1279.27 Mbit/s

95th percentile per-packet one-way delay: 271.235 ms

Loss rate: 4.26%

-- Flow 1:

Average throughput: 740.23 Mbit/s

95th percentile per-packet one-way delay: 274.354 ms

Loss rate: 3.45%

-- Flow 2:

Average throughput: 609.49 Mbit/s

95th percentile per-packet one-way delay: 262.328 ms

Loss rate: 5.74%

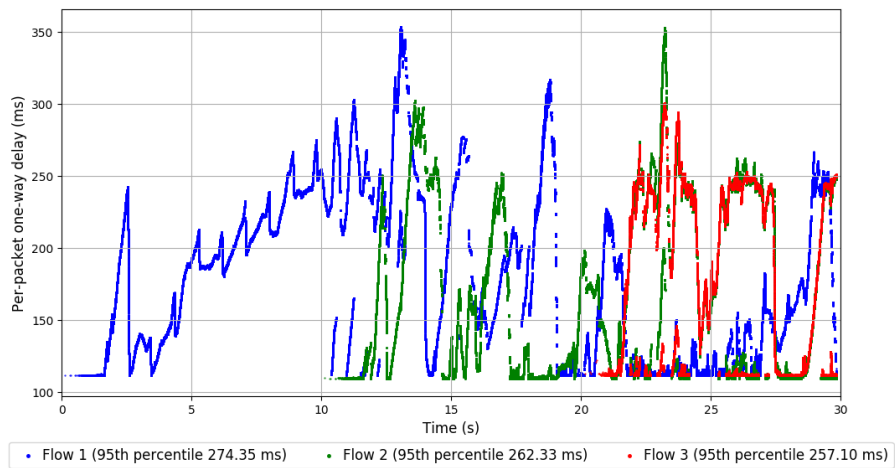
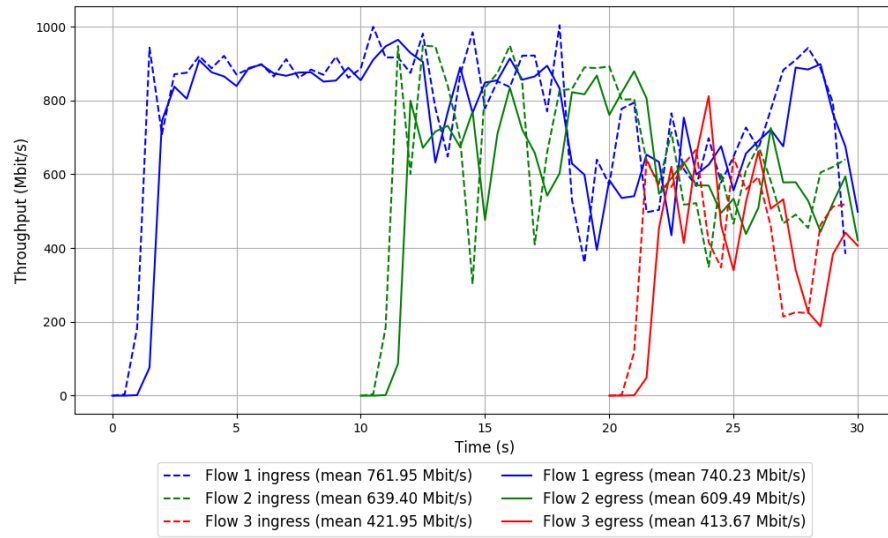
-- Flow 3:

Average throughput: 413.67 Mbit/s

95th percentile per-packet one-way delay: 257.097 ms

Loss rate: 4.18%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-06-30 04:26:42

End at: 2018-06-30 04:27:12

Local clock offset: 1.235 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.594 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.567 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.855 ms

Loss rate: 0.00%

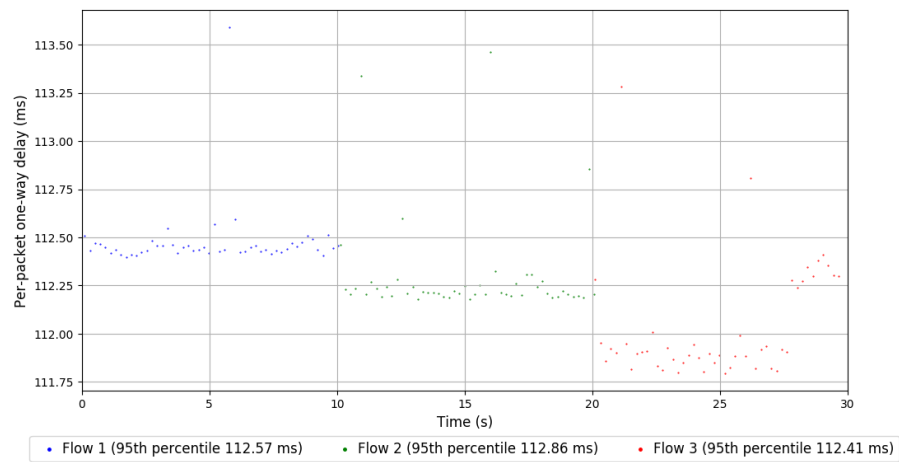
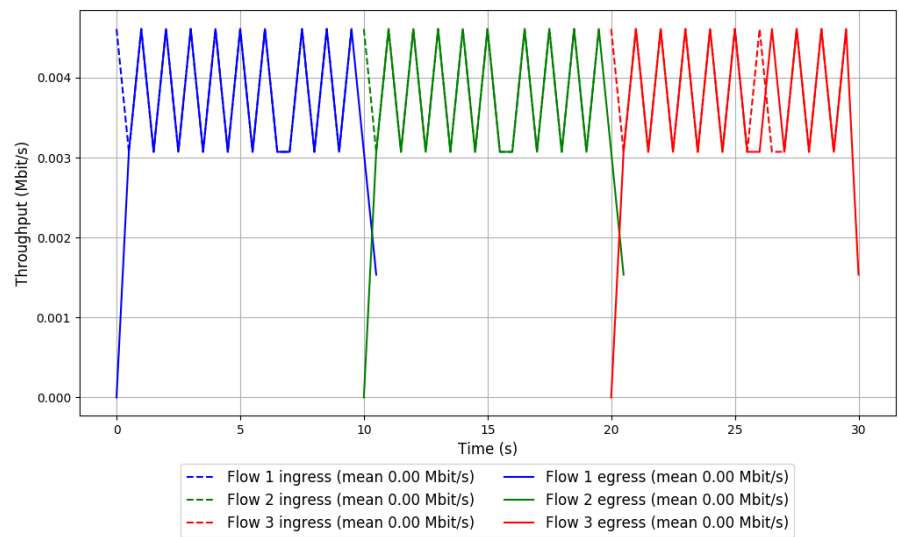
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.409 ms

Loss rate: 4.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-06-30 04:52:24

End at: 2018-06-30 04:52:54

Local clock offset: 1.097 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.910 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.515 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.578 ms

Loss rate: 0.00%

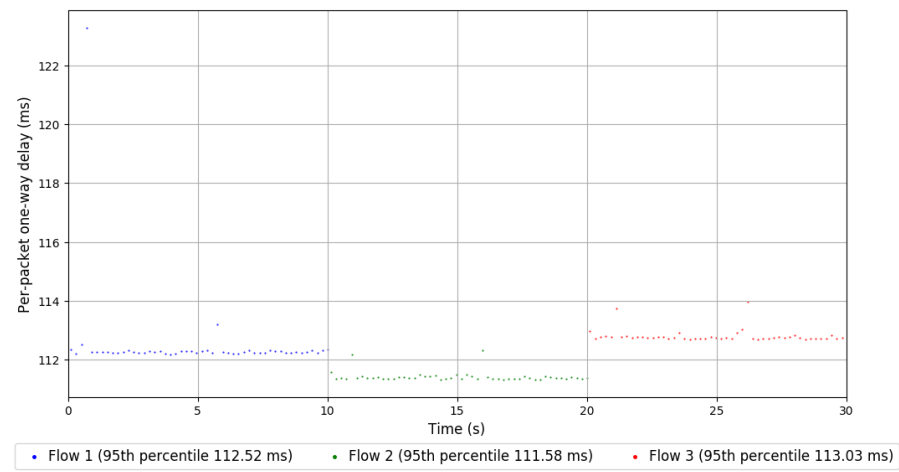
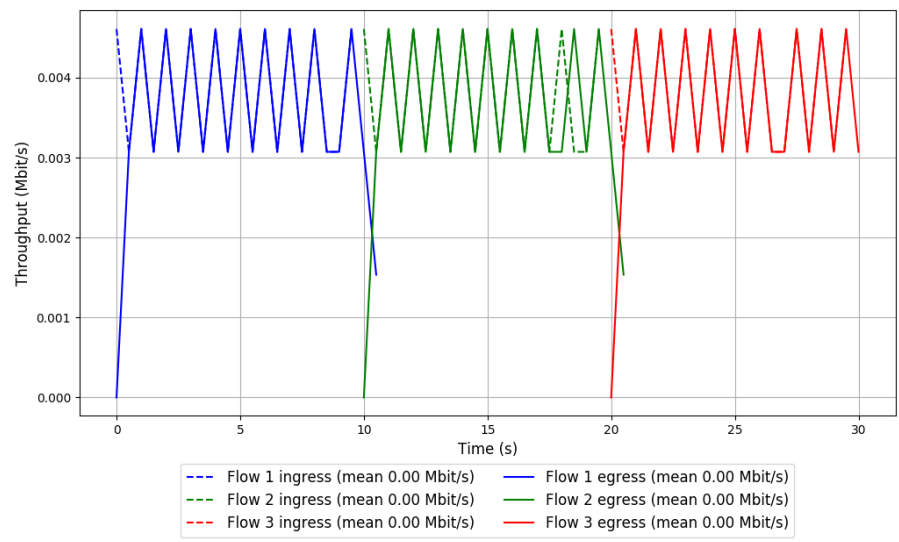
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 113.029 ms

Loss rate: 2.00%

Run 2: Report of FillP-Sheep — Data Link

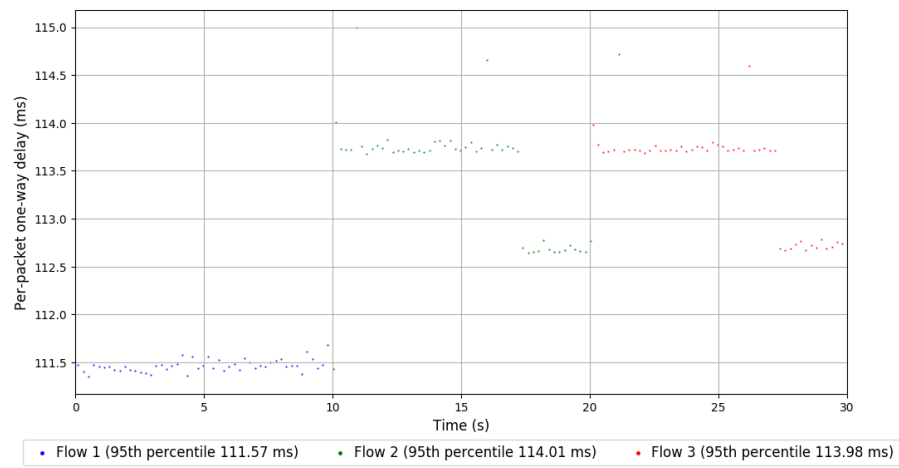
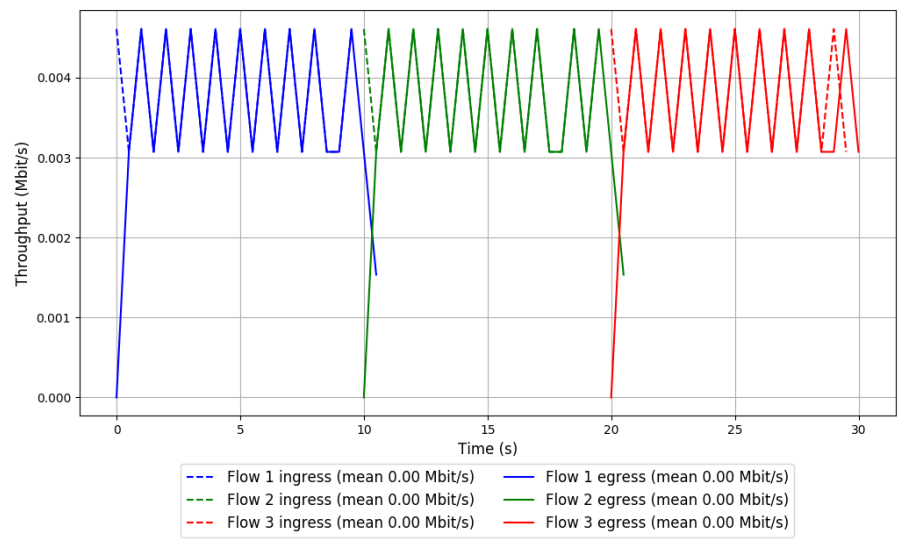


Run 3: Statistics of FillP-Sheep

Start at: 2018-06-30 05:17:52
End at: 2018-06-30 05:18:22
Local clock offset: 1.166 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-30 09:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 113.819 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 114.009 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 113.984 ms
Loss rate: 2.00%

Run 3: Report of FillP-Sheep — Data Link

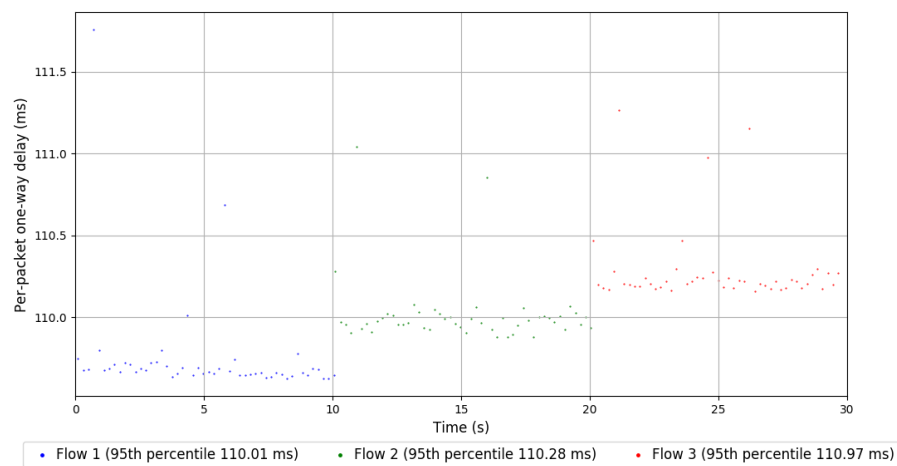
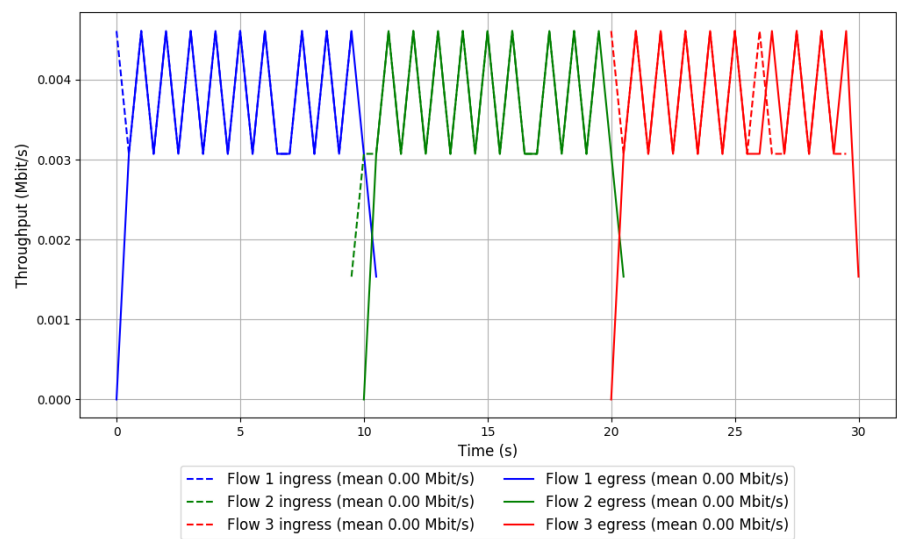


Run 4: Statistics of FillP-Sheep

Start at: 2018-06-30 05:43:31
End at: 2018-06-30 05:44:01
Local clock offset: -1.547 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-06-30 09:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 110.467 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 110.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 110.280 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 110.975 ms
Loss rate: 2.04%

Run 4: Report of FillP-Sheep — Data Link

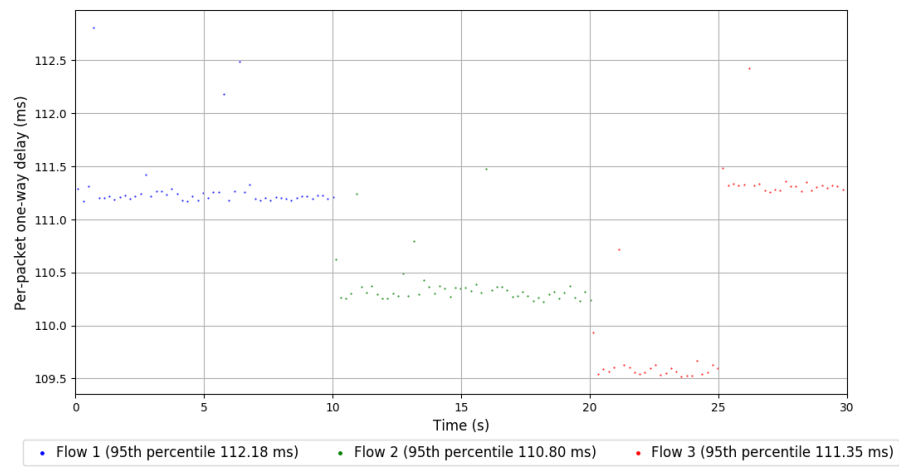
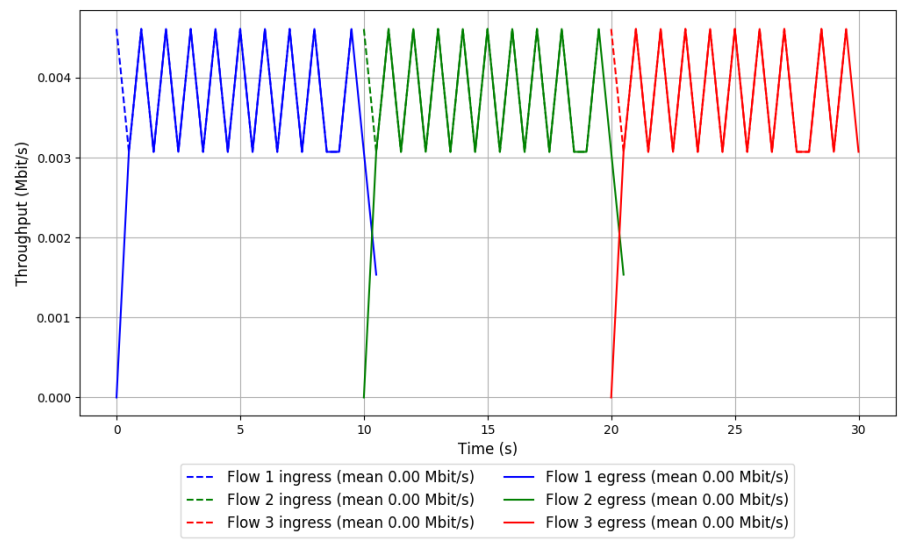


Run 5: Statistics of FillP-Sheep

Start at: 2018-06-30 06:09:44
End at: 2018-06-30 06:10:14
Local clock offset: -0.248 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-06-30 09:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.354 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 112.181 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 110.796 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.354 ms
Loss rate: 2.00%

Run 5: Report of FillP-Sheep — Data Link

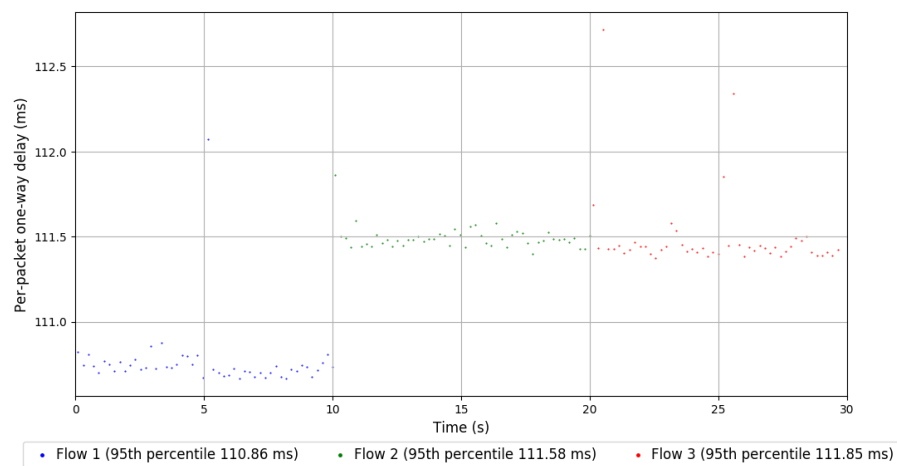
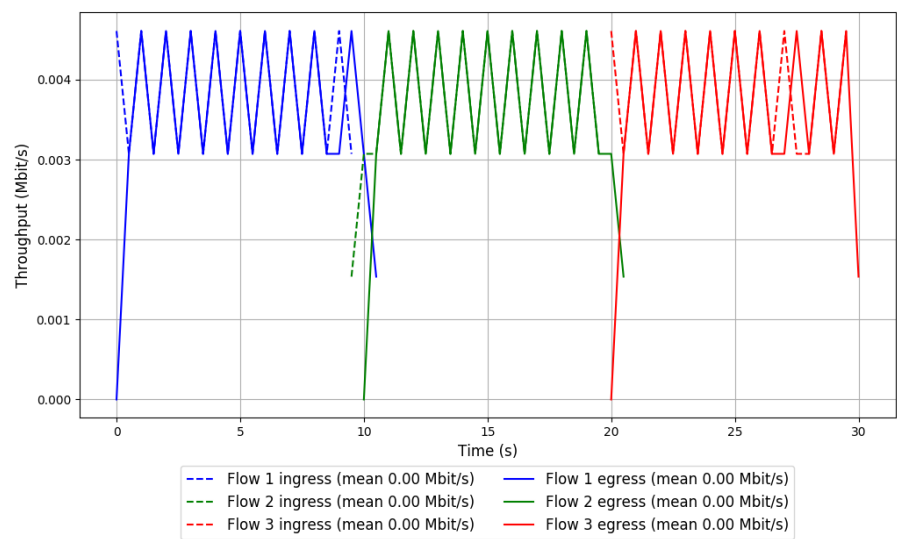


Run 6: Statistics of FillP-Sheep

Start at: 2018-06-30 06:35:19
End at: 2018-06-30 06:35:49
Local clock offset: -0.101 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-06-30 09:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.579 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 110.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.579 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.852 ms
Loss rate: 4.00%

Run 6: Report of FillP-Sheep — Data Link

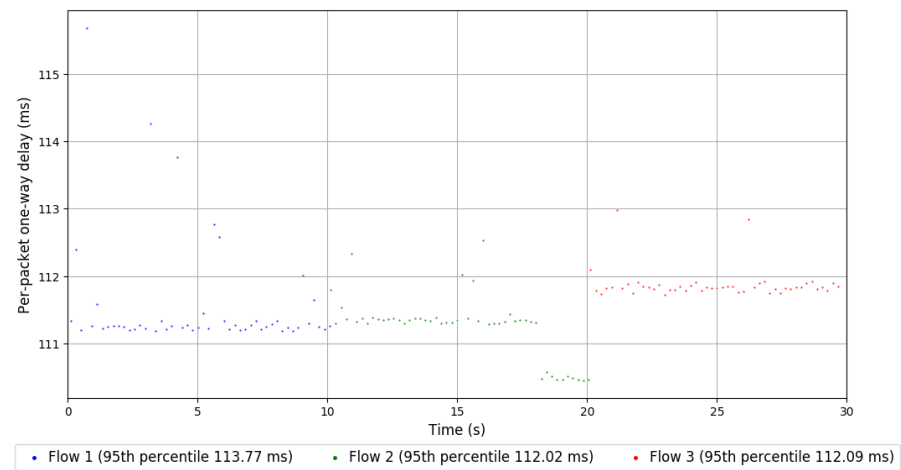
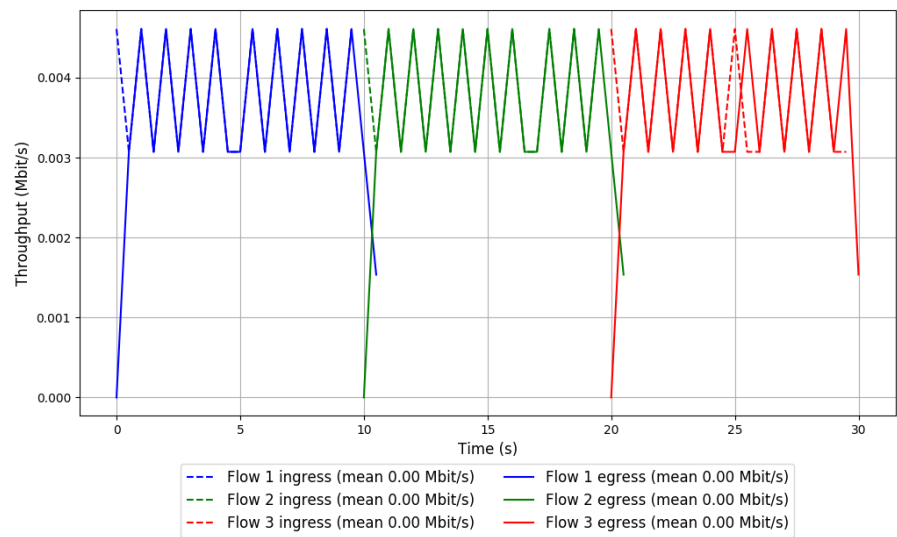


Run 7: Statistics of FillP-Sheep

Start at: 2018-06-30 07:01:11
End at: 2018-06-30 07:01:41
Local clock offset: 0.045 ms
Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-06-30 09:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 112.529 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 113.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 112.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 112.092 ms
Loss rate: 2.04%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 07:27:16

End at: 2018-06-30 07:27:46

Local clock offset: 0.924 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.262 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.987 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.473 ms

Loss rate: 0.00%

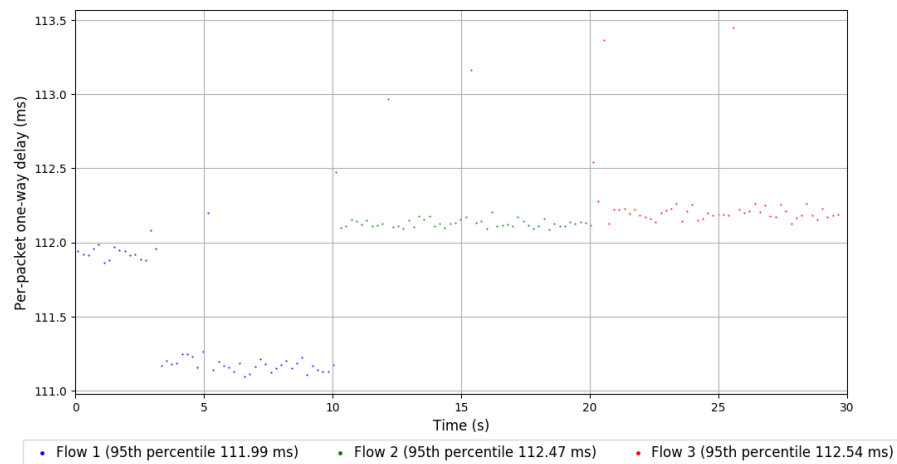
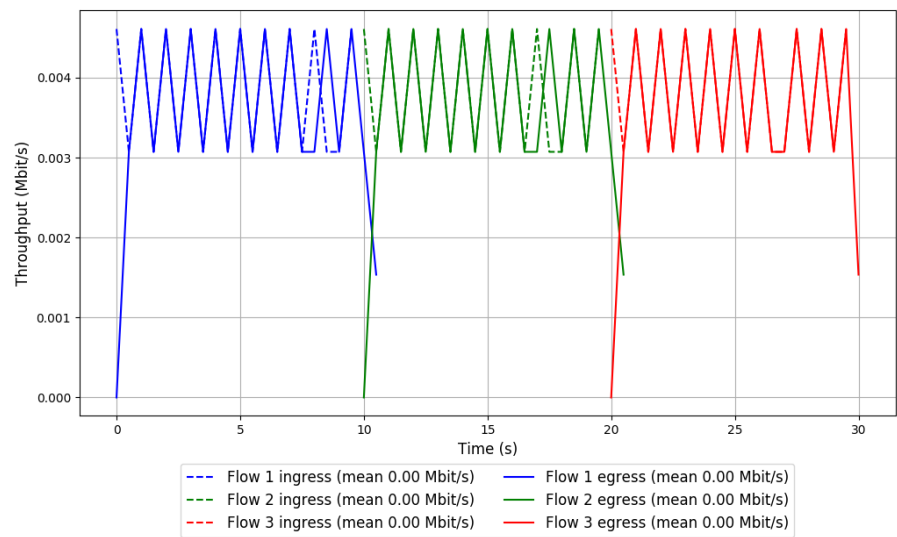
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.542 ms

Loss rate: 4.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 07:53:05

End at: 2018-06-30 07:53:35

Local clock offset: 0.136 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.359 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.030 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.359 ms

Loss rate: 0.00%

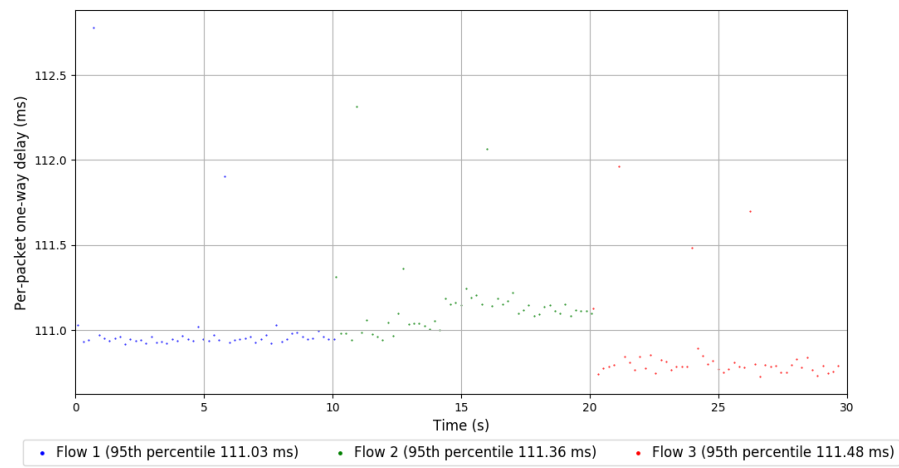
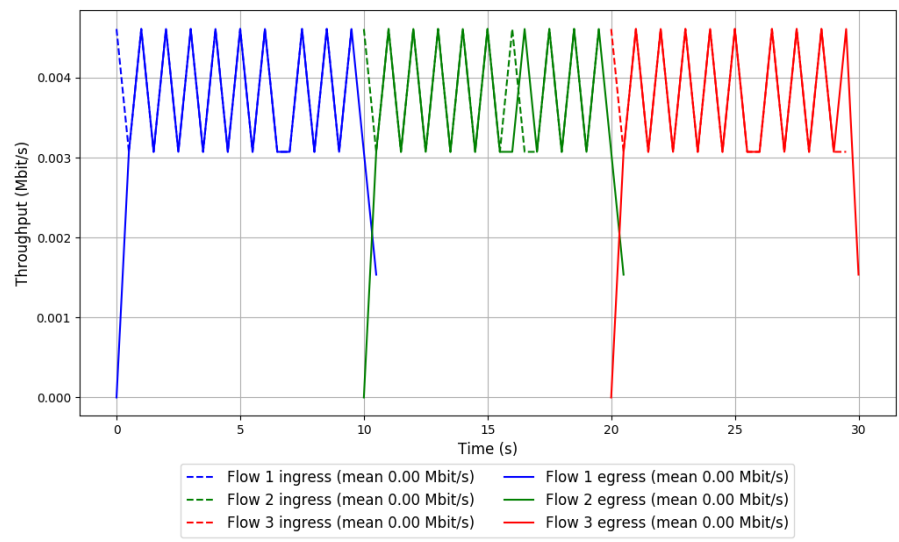
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.483 ms

Loss rate: 2.04%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 08:19:02

End at: 2018-06-30 08:19:32

Local clock offset: -1.3 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 110.375 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 110.194 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 110.714 ms

Loss rate: 0.00%

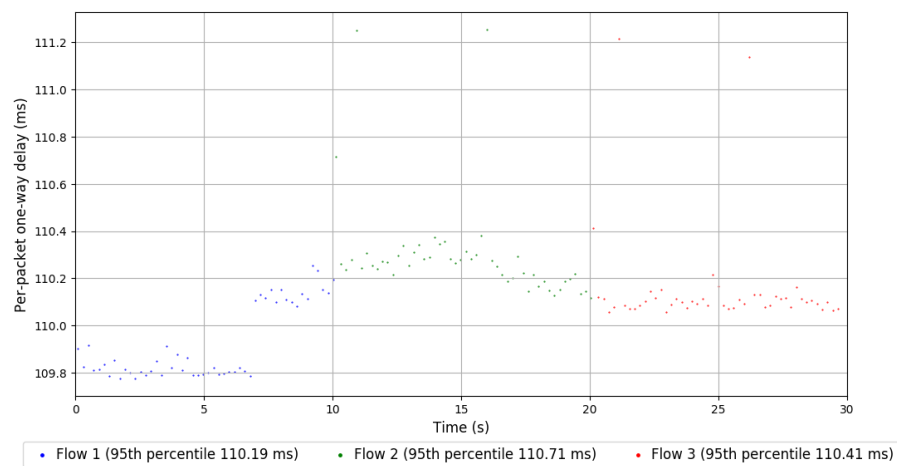
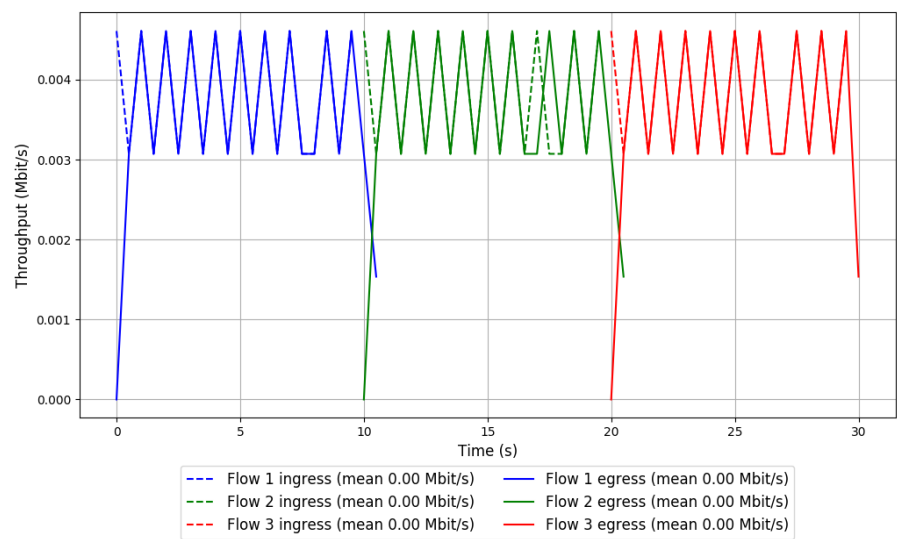
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 110.414 ms

Loss rate: 4.00%

Run 10: Report of FillP-Sheep — Data Link

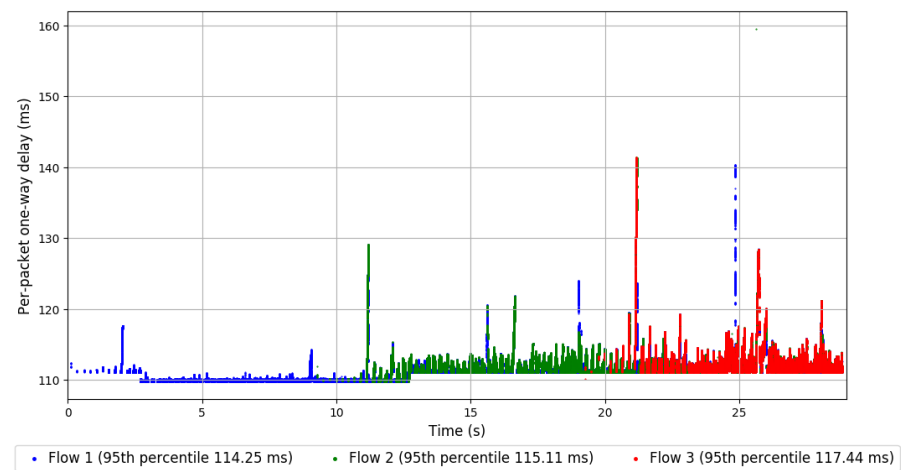
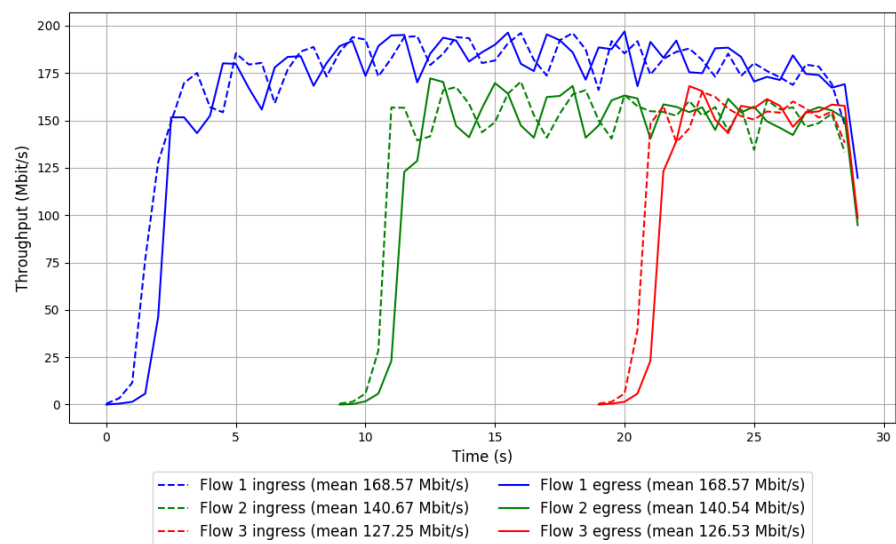


```
Run 1: Statistics of Indigo

Start at: 2018-06-30 04:25:06
End at: 2018-06-30 04:25:36
Local clock offset: -0.128 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-06-30 09:56:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 306.43 Mbit/s
95th percentile per-packet one-way delay: 114.914 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 168.57 Mbit/s
95th percentile per-packet one-way delay: 114.245 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 140.54 Mbit/s
95th percentile per-packet one-way delay: 115.107 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 126.53 Mbit/s
95th percentile per-packet one-way delay: 117.437 ms
Loss rate: 2.80%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-30 04:50:45

End at: 2018-06-30 04:51:15

Local clock offset: -0.457 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.03 Mbit/s

95th percentile per-packet one-way delay: 115.184 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 161.79 Mbit/s

95th percentile per-packet one-way delay: 114.094 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 208.69 Mbit/s

95th percentile per-packet one-way delay: 115.796 ms

Loss rate: 1.10%

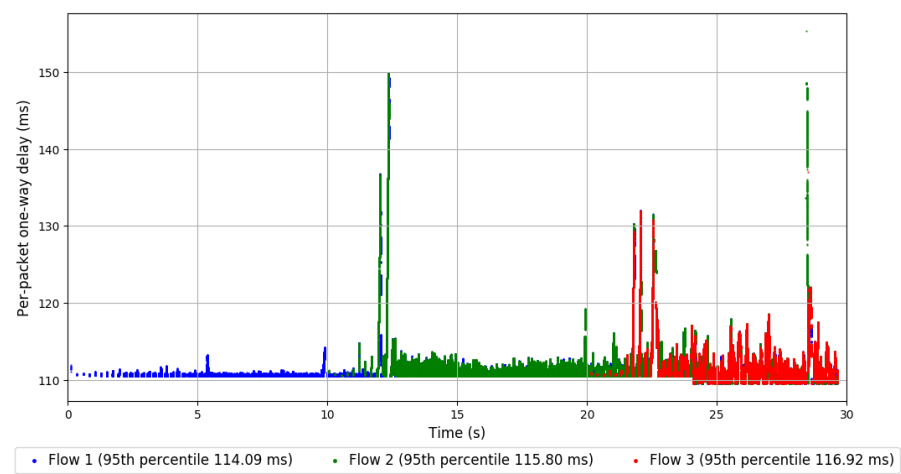
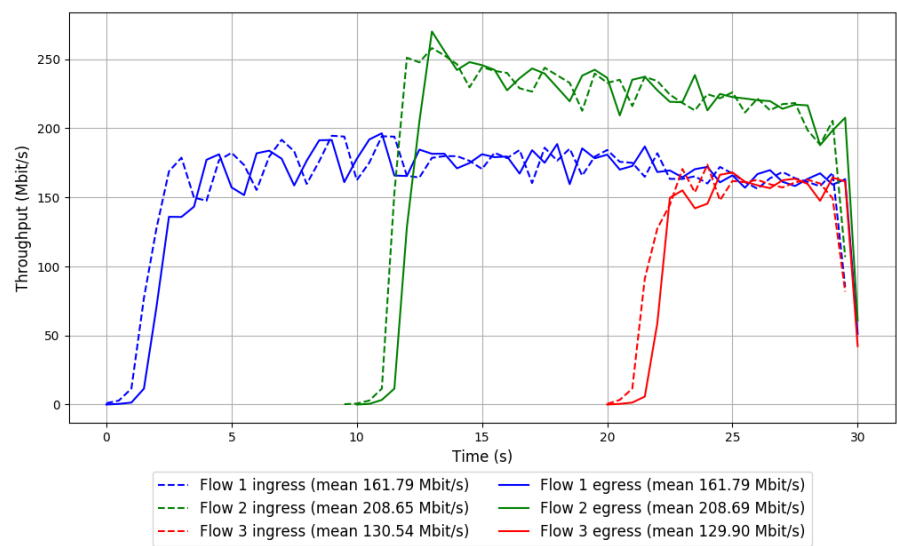
-- Flow 3:

Average throughput: 129.90 Mbit/s

95th percentile per-packet one-way delay: 116.916 ms

Loss rate: 2.75%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-30 05:16:12

End at: 2018-06-30 05:16:42

Local clock offset: 0.101 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-30 09:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 351.55 Mbit/s

95th percentile per-packet one-way delay: 114.998 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 211.30 Mbit/s

95th percentile per-packet one-way delay: 114.176 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 149.77 Mbit/s

95th percentile per-packet one-way delay: 116.068 ms

Loss rate: 1.19%

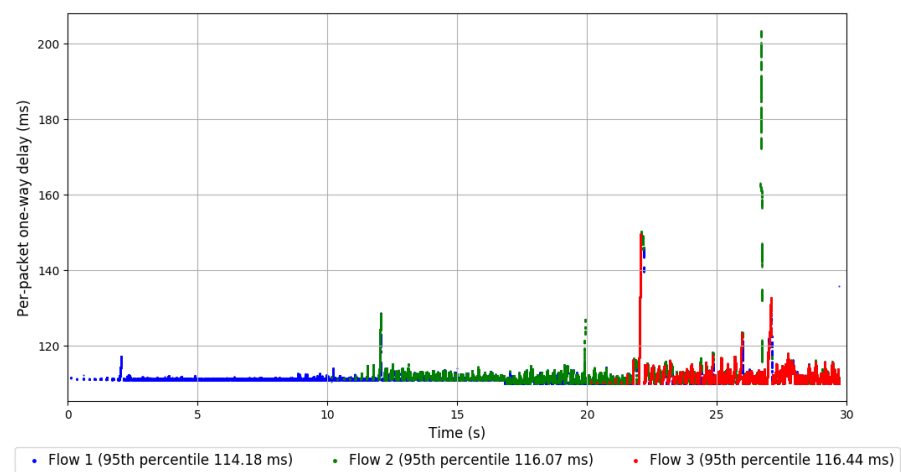
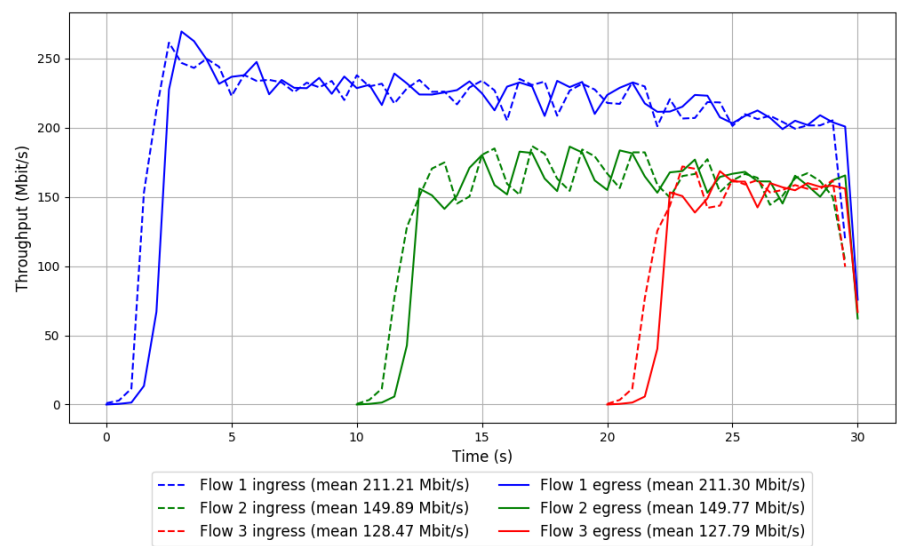
-- Flow 3:

Average throughput: 127.79 Mbit/s

95th percentile per-packet one-way delay: 116.443 ms

Loss rate: 2.80%

Run 3: Report of Indigo — Data Link

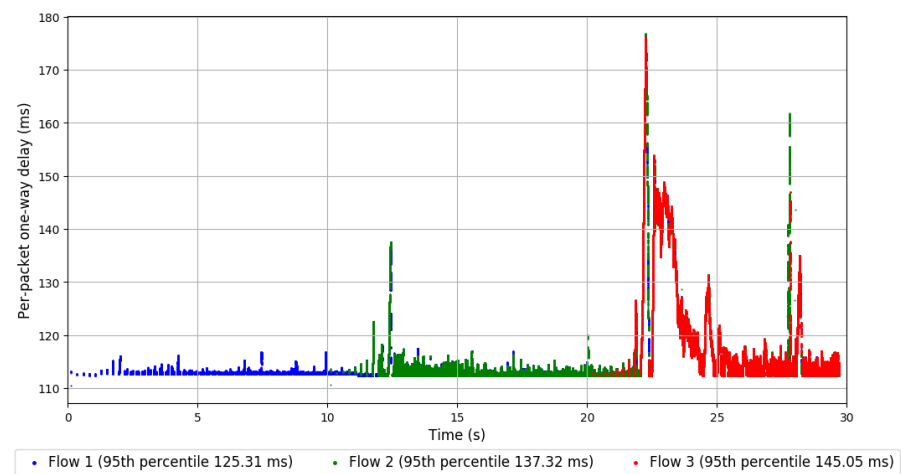
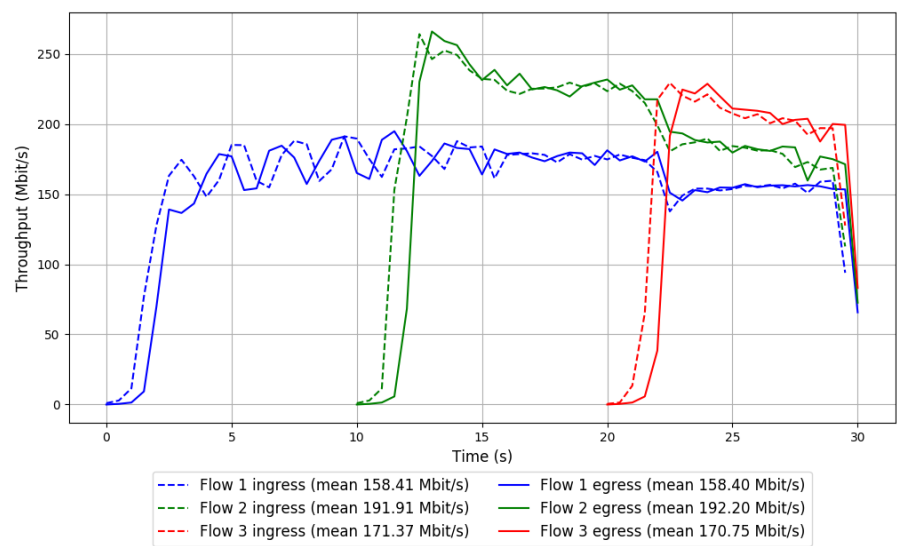


Run 4: Statistics of Indigo

Start at: 2018-06-30 05:41:48
End at: 2018-06-30 05:42:18
Local clock offset: 0.974 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-06-30 09:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.49 Mbit/s
95th percentile per-packet one-way delay: 138.314 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 158.40 Mbit/s
95th percentile per-packet one-way delay: 125.307 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 192.20 Mbit/s
95th percentile per-packet one-way delay: 137.318 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 170.75 Mbit/s
95th percentile per-packet one-way delay: 145.050 ms
Loss rate: 2.65%

Run 4: Report of Indigo — Data Link

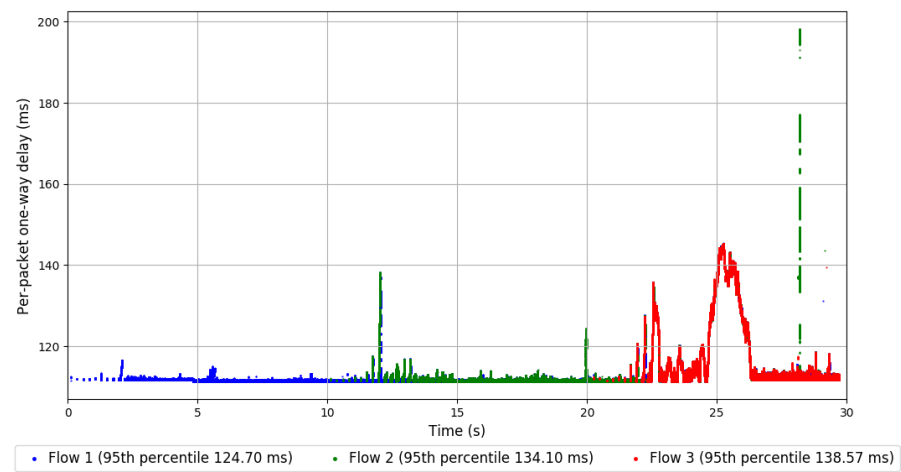
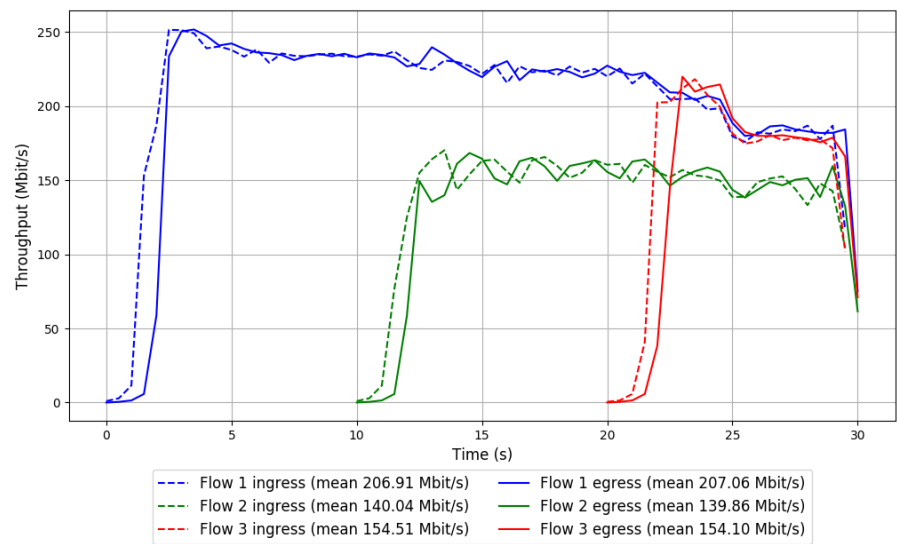


Run 5: Statistics of Indigo

Start at: 2018-06-30 06:08:04
End at: 2018-06-30 06:08:34
Local clock offset: -0.009 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-06-30 09:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.80 Mbit/s
95th percentile per-packet one-way delay: 131.829 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 207.06 Mbit/s
95th percentile per-packet one-way delay: 124.705 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 139.86 Mbit/s
95th percentile per-packet one-way delay: 134.098 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 154.10 Mbit/s
95th percentile per-packet one-way delay: 138.568 ms
Loss rate: 2.57%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-30 06:33:44

End at: 2018-06-30 06:34:14

Local clock offset: 0.202 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.95 Mbit/s

95th percentile per-packet one-way delay: 114.121 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 146.61 Mbit/s

95th percentile per-packet one-way delay: 113.743 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 140.93 Mbit/s

95th percentile per-packet one-way delay: 114.007 ms

Loss rate: 1.24%

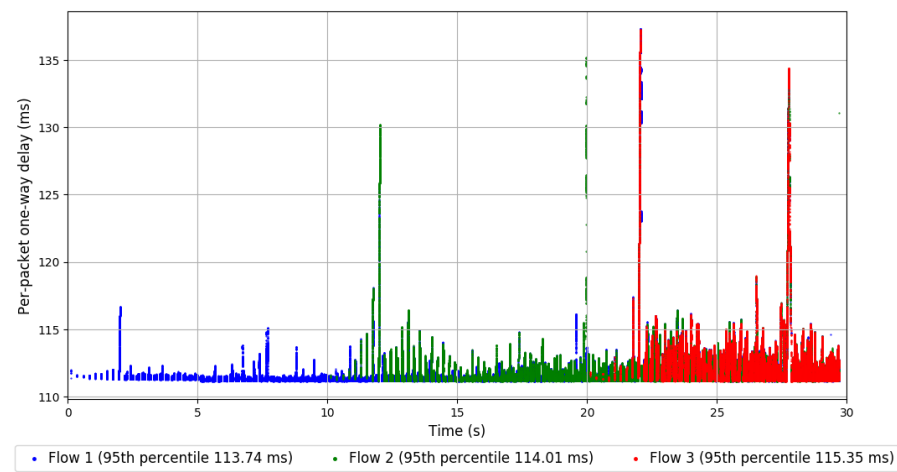
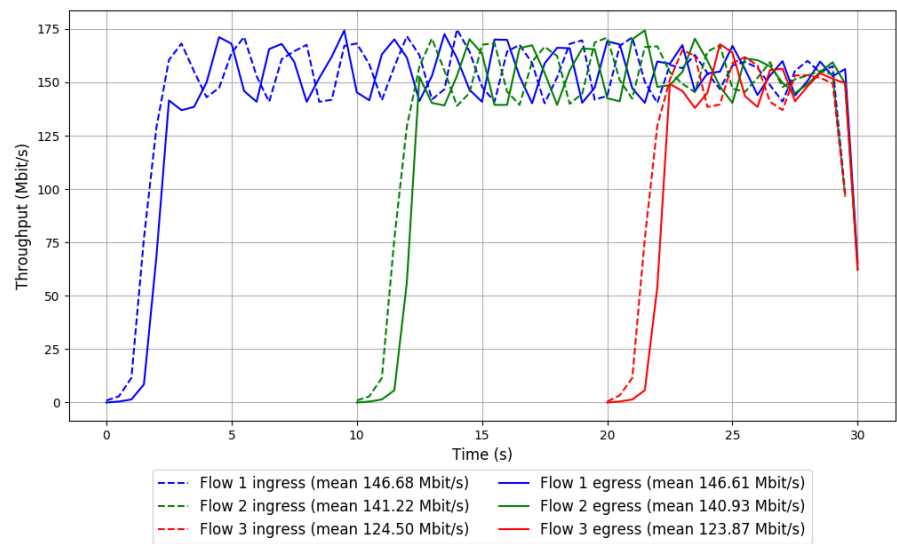
-- Flow 3:

Average throughput: 123.87 Mbit/s

95th percentile per-packet one-way delay: 115.352 ms

Loss rate: 2.76%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-30 06:59:32

End at: 2018-06-30 07:00:02

Local clock offset: 0.114 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.31 Mbit/s

95th percentile per-packet one-way delay: 113.247 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 150.49 Mbit/s

95th percentile per-packet one-way delay: 112.903 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 141.88 Mbit/s

95th percentile per-packet one-way delay: 113.682 ms

Loss rate: 1.19%

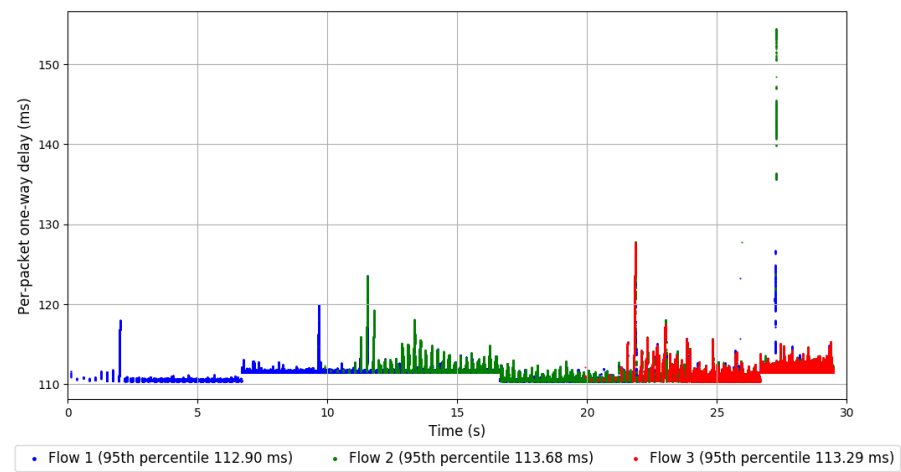
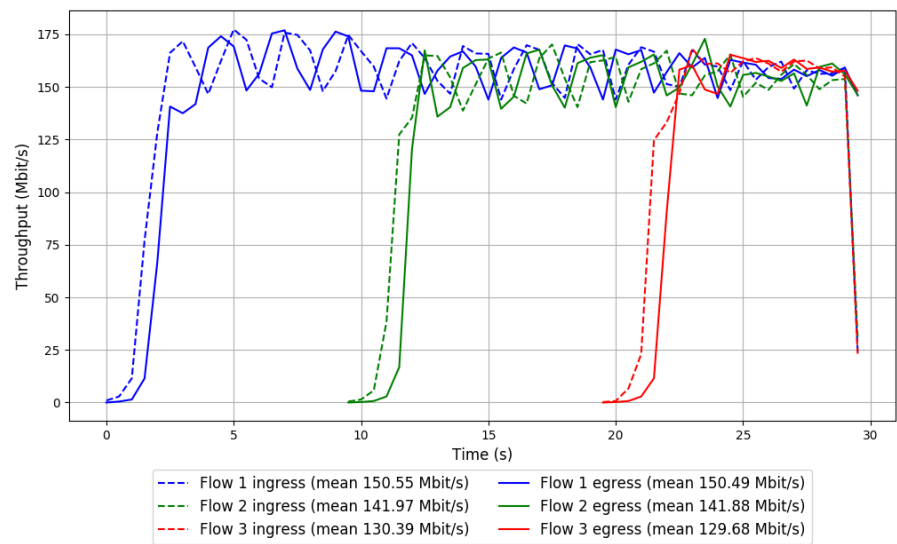
-- Flow 3:

Average throughput: 129.68 Mbit/s

95th percentile per-packet one-way delay: 113.287 ms

Loss rate: 2.81%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-30 07:25:36

End at: 2018-06-30 07:26:06

Local clock offset: -0.004 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.24 Mbit/s

95th percentile per-packet one-way delay: 113.761 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 147.86 Mbit/s

95th percentile per-packet one-way delay: 112.952 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 141.94 Mbit/s

95th percentile per-packet one-way delay: 114.126 ms

Loss rate: 1.23%

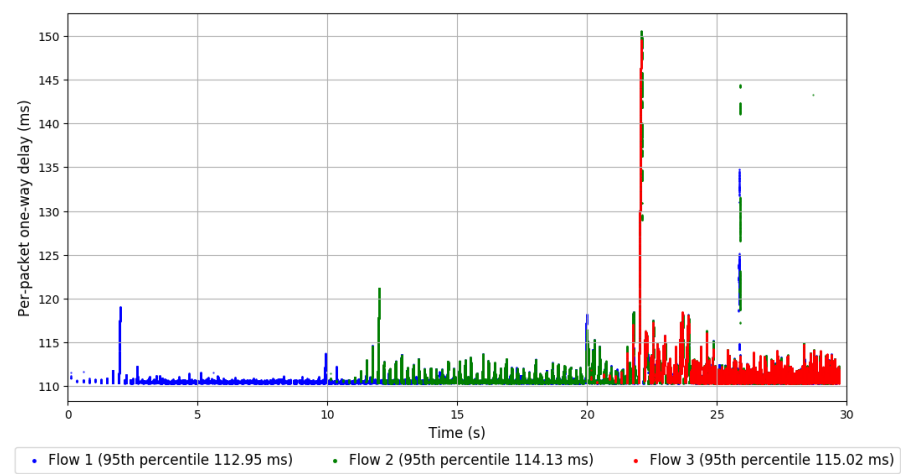
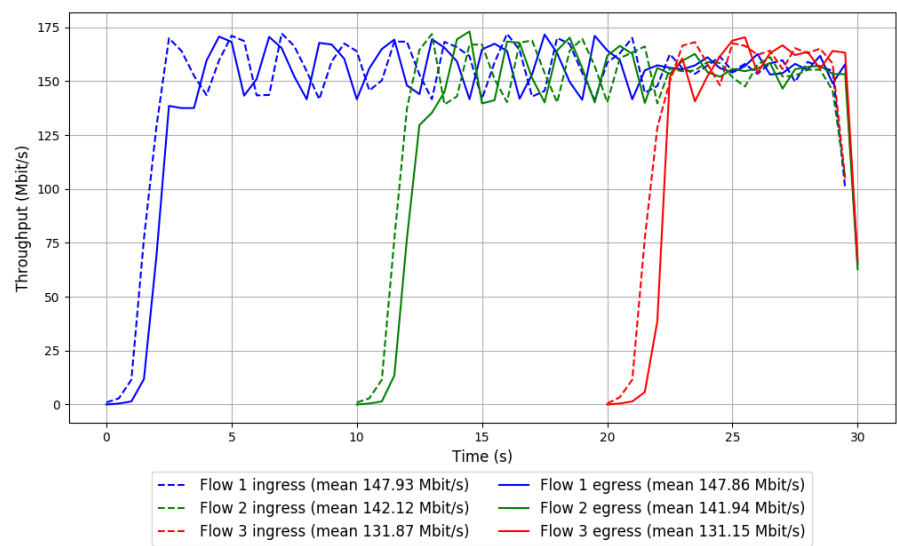
-- Flow 3:

Average throughput: 131.15 Mbit/s

95th percentile per-packet one-way delay: 115.016 ms

Loss rate: 2.80%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-30 07:51:29

End at: 2018-06-30 07:51:59

Local clock offset: 0.168 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.96 Mbit/s

95th percentile per-packet one-way delay: 118.657 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 145.73 Mbit/s

95th percentile per-packet one-way delay: 115.415 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 149.63 Mbit/s

95th percentile per-packet one-way delay: 118.442 ms

Loss rate: 1.18%

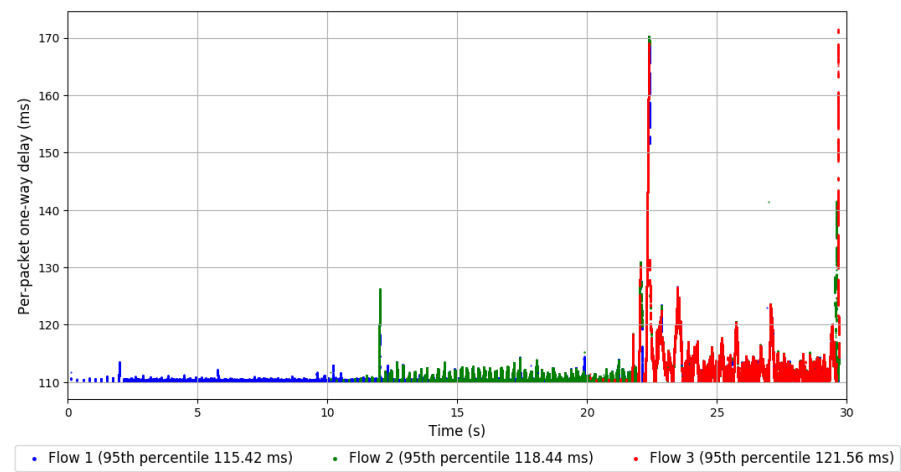
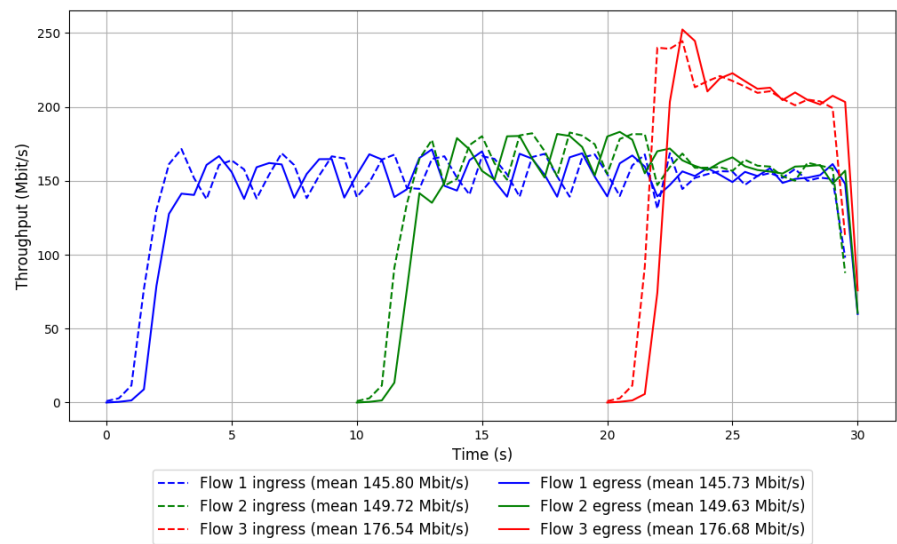
-- Flow 3:

Average throughput: 176.68 Mbit/s

95th percentile per-packet one-way delay: 121.562 ms

Loss rate: 2.20%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-30 08:17:23

End at: 2018-06-30 08:17:53

Local clock offset: -0.354 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.95 Mbit/s

95th percentile per-packet one-way delay: 124.314 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 210.35 Mbit/s

95th percentile per-packet one-way delay: 115.585 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 151.26 Mbit/s

95th percentile per-packet one-way delay: 126.640 ms

Loss rate: 1.19%

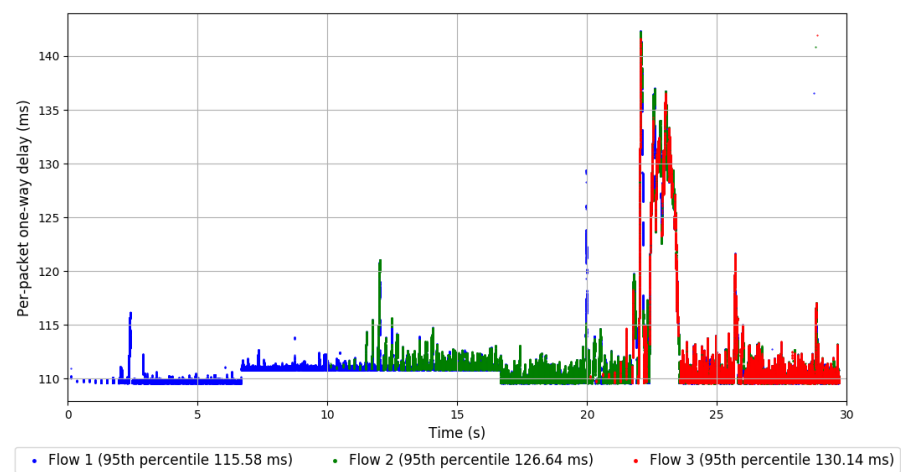
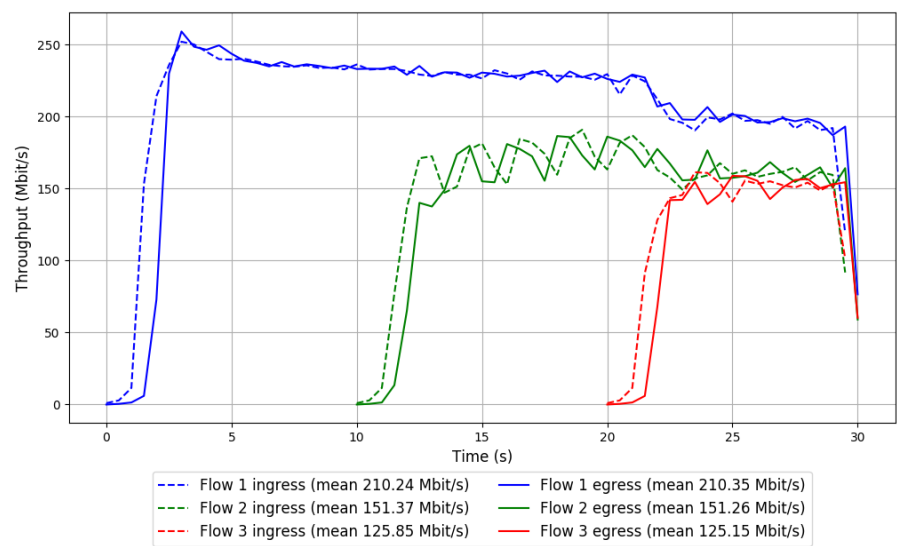
-- Flow 3:

Average throughput: 125.15 Mbit/s

95th percentile per-packet one-way delay: 130.138 ms

Loss rate: 2.78%

Run 10: Report of Indigo — Data Link

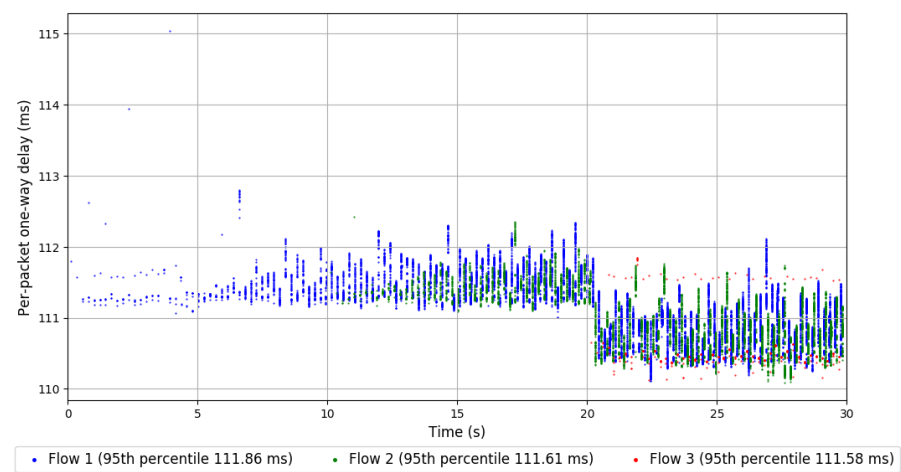
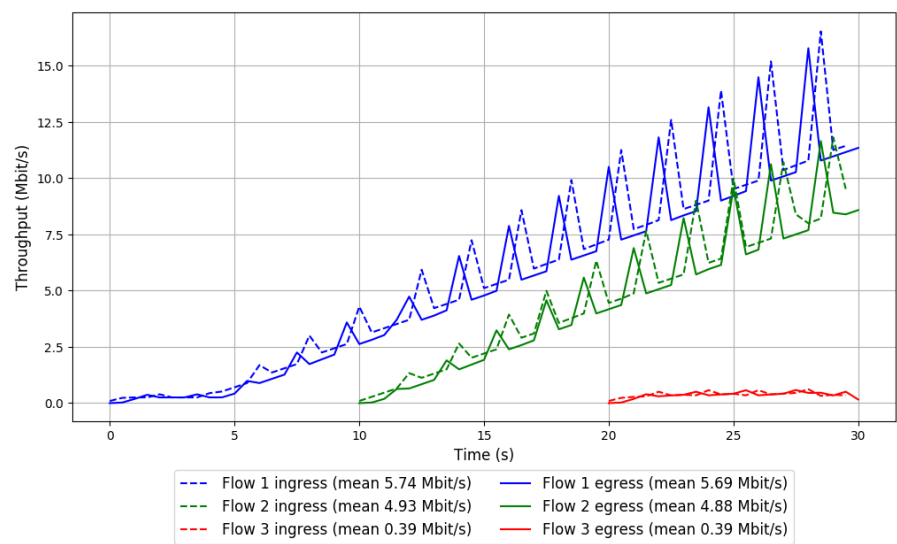


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-30 04:16:19
End at: 2018-06-30 04:16:49
Local clock offset: 0.134 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-06-30 09:56:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 111.796 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 5.69 Mbit/s
95th percentile per-packet one-way delay: 111.858 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 111.612 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 111.581 ms
Loss rate: 2.44%
```


Run 1: Report of LEDBAT — Data Link

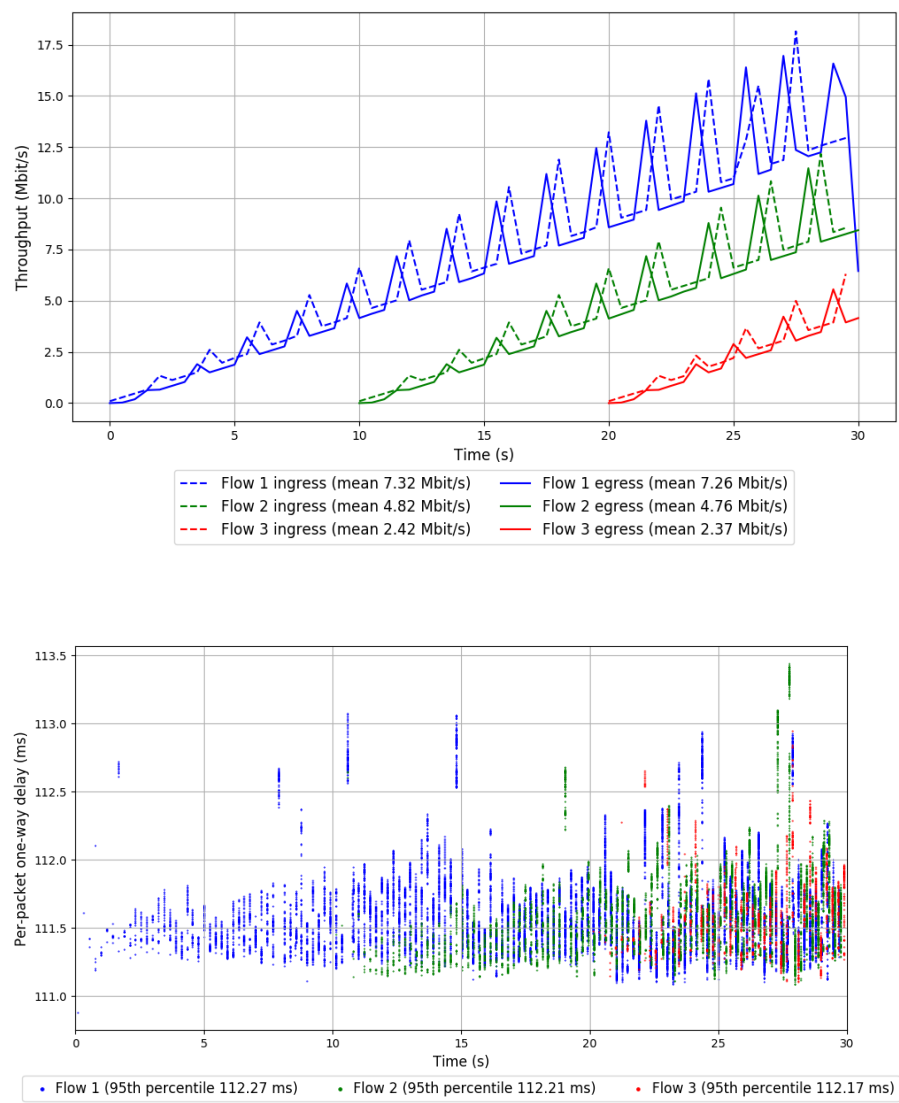


```
Run 2: Statistics of LEDBAT

Start at: 2018-06-30 04:42:07
End at: 2018-06-30 04:42:37
Local clock offset: -0.213 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-06-30 09:56:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 112.255 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 112.274 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 112.214 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 112.170 ms
Loss rate: 4.46%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-30 05:07:26

End at: 2018-06-30 05:07:56

Local clock offset: -1.647 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.26 Mbit/s

95th percentile per-packet one-way delay: 110.260 ms

Loss rate: 1.97%

-- Flow 1:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 110.272 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 110.208 ms

Loss rate: 2.61%

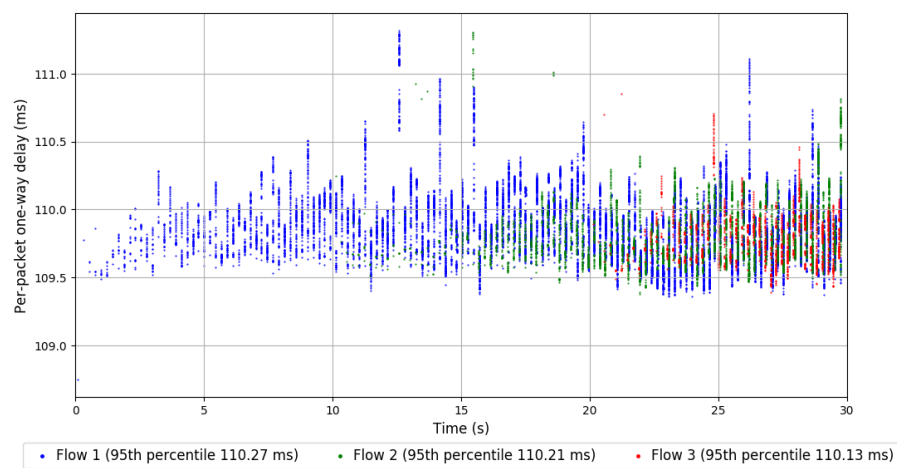
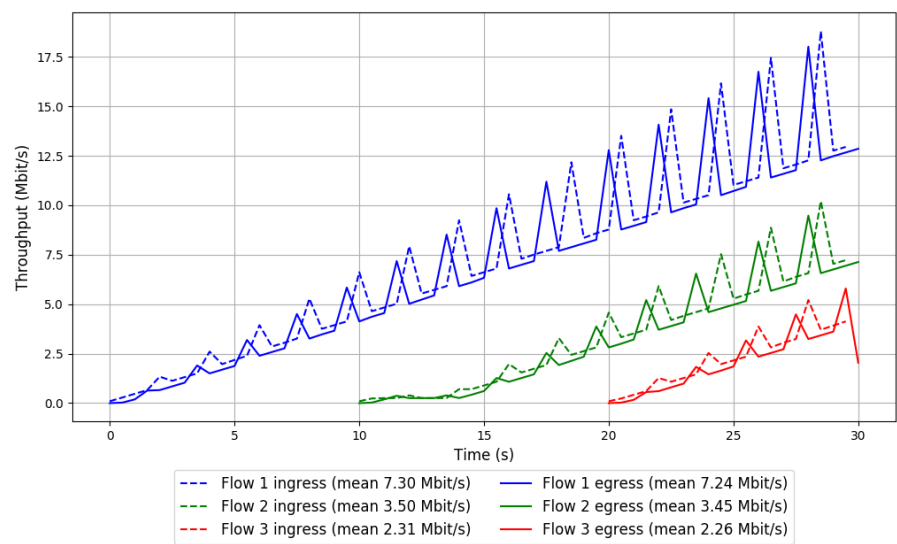
-- Flow 3:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 110.133 ms

Loss rate: 4.60%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-30 05:32:50

End at: 2018-06-30 05:33:20

Local clock offset: 1.247 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.57 Mbit/s

95th percentile per-packet one-way delay: 113.266 ms

Loss rate: 1.93%

-- Flow 1:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 113.316 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 112.933 ms

Loss rate: 2.41%

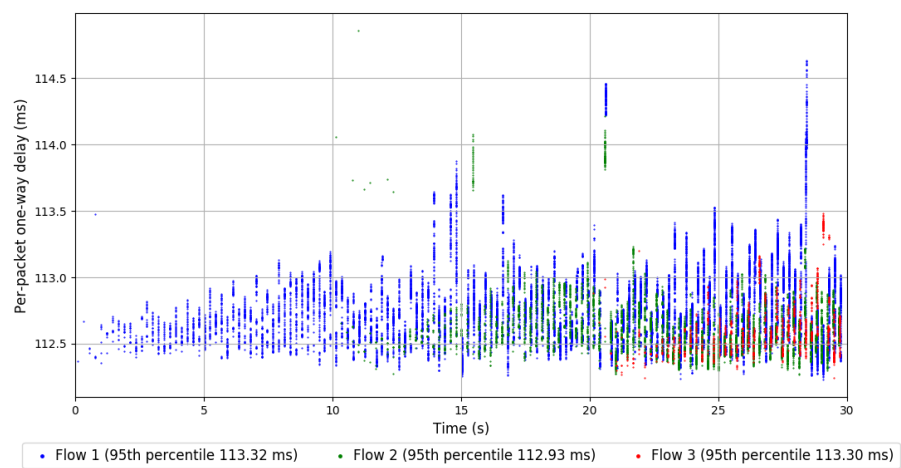
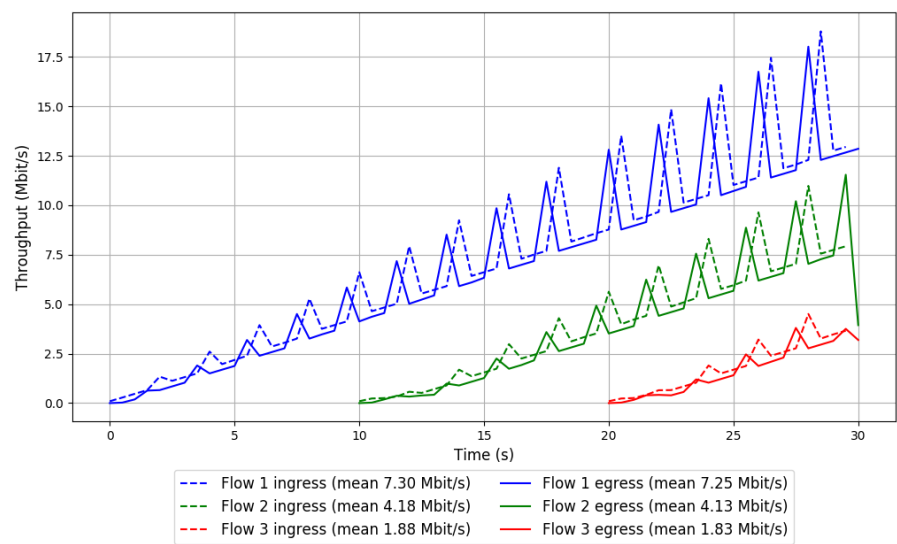
-- Flow 3:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 113.298 ms

Loss rate: 5.01%

Run 4: Report of LEDBAT — Data Link

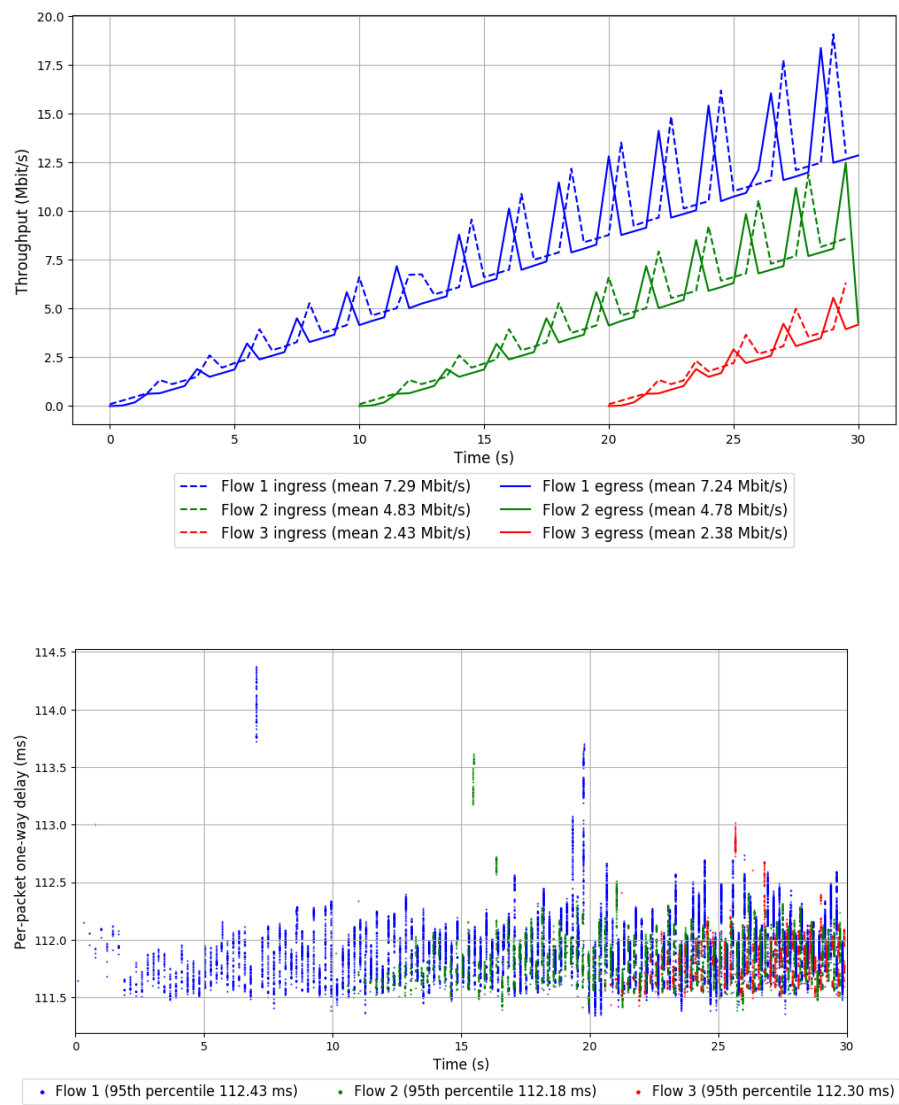


Run 5: Statistics of LEDBAT

Start at: 2018-06-30 05:59:08
End at: 2018-06-30 05:59:38
Local clock offset: 0.307 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-30 09:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 112.377 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 112.426 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 112.177 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 112.303 ms
Loss rate: 4.46%

Run 5: Report of LEDBAT — Data Link

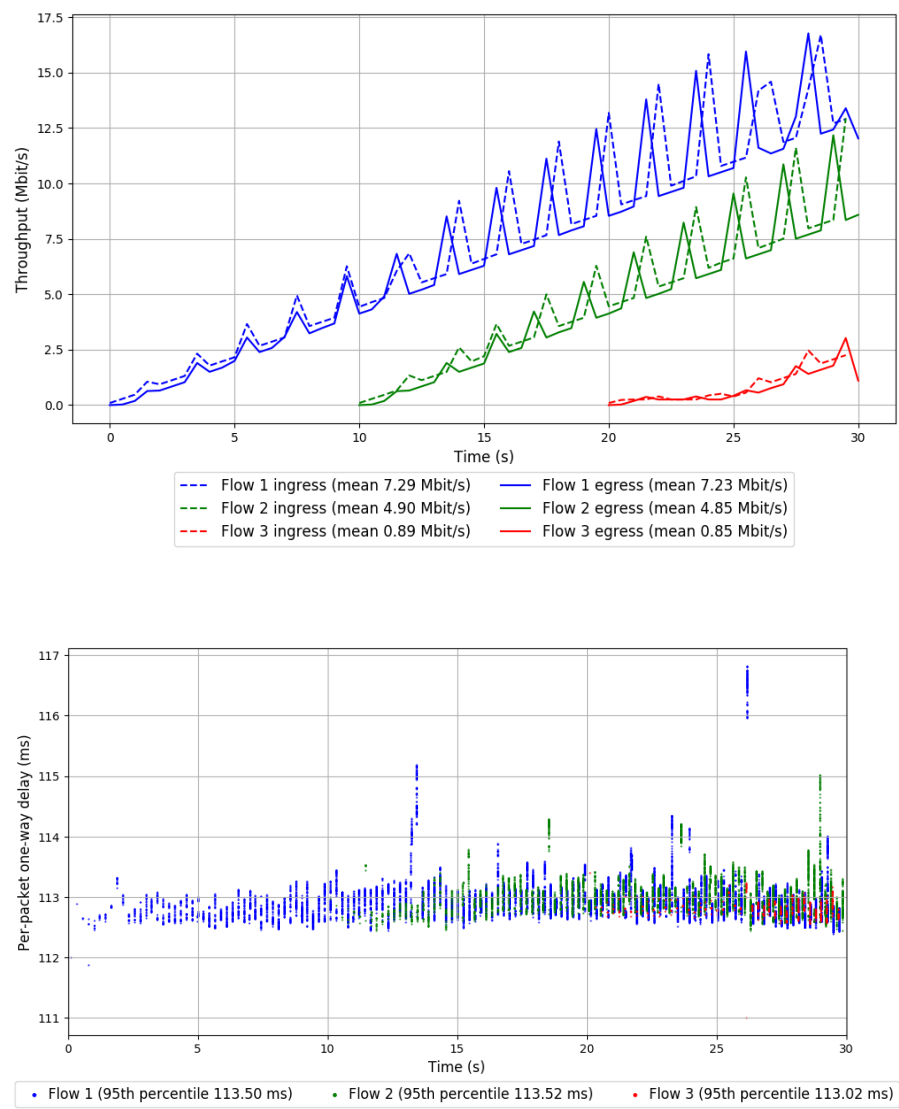


Run 6: Statistics of LEDBAT

Start at: 2018-06-30 06:25:04
End at: 2018-06-30 06:25:34
Local clock offset: 1.162 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-06-30 09:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 113.499 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 113.500 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 113.520 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 113.018 ms
Loss rate: 6.60%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-30 06:50:44

End at: 2018-06-30 06:51:14

Local clock offset: 0.302 ms

Remote clock offset: 0.512 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.58 Mbit/s

95th percentile per-packet one-way delay: 111.320 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 111.483 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 111.115 ms

Loss rate: 2.66%

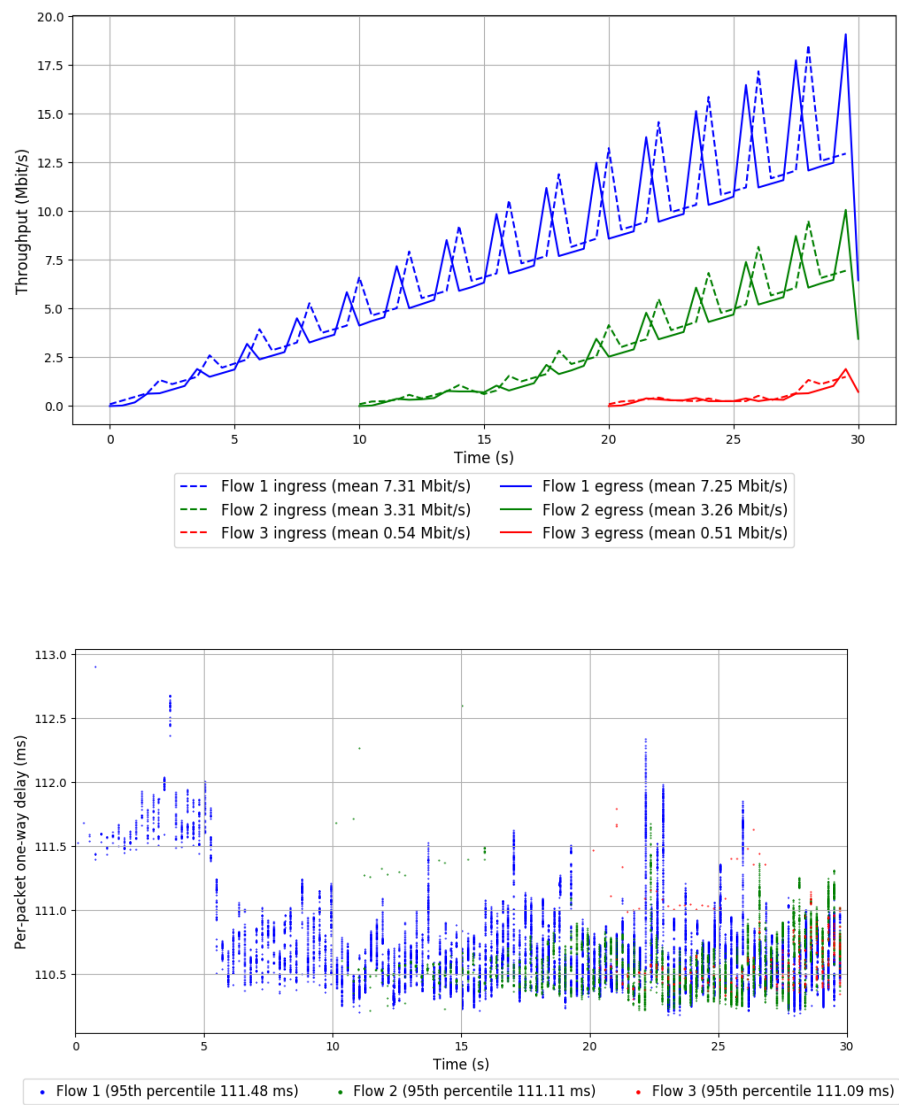
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 111.088 ms

Loss rate: 7.31%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-30 07:16:45

End at: 2018-06-30 07:17:15

Local clock offset: 1.142 ms

Remote clock offset: 0.462 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.68 Mbit/s

95th percentile per-packet one-way delay: 112.213 ms

Loss rate: 1.95%

-- Flow 1:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 112.244 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 112.083 ms

Loss rate: 2.22%

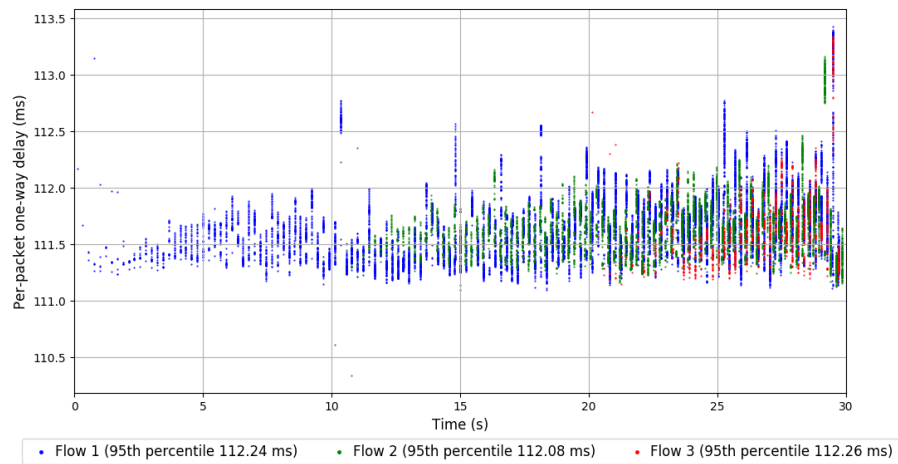
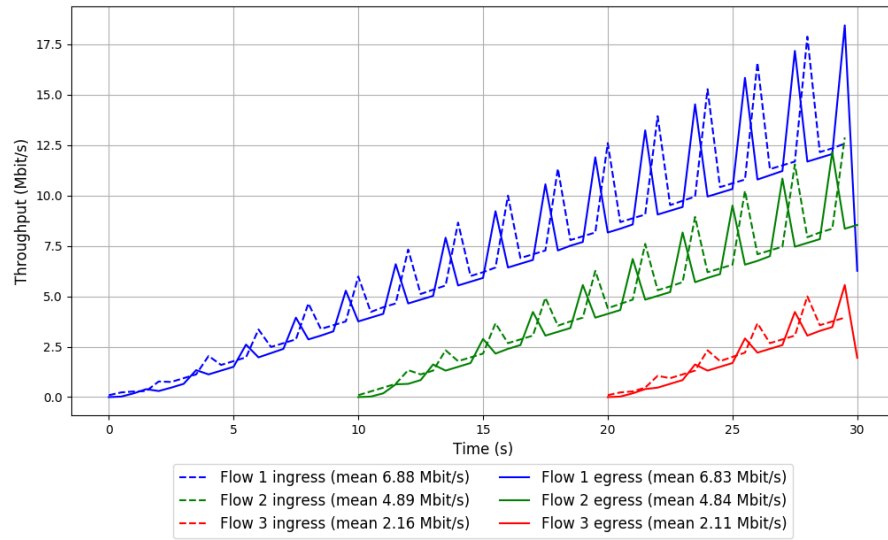
-- Flow 3:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 112.256 ms

Loss rate: 4.71%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-30 07:42:50

End at: 2018-06-30 07:43:20

Local clock offset: 0.197 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 111.444 ms

Loss rate: 1.79%

-- Flow 1:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 111.464 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 111.139 ms

Loss rate: 1.12%

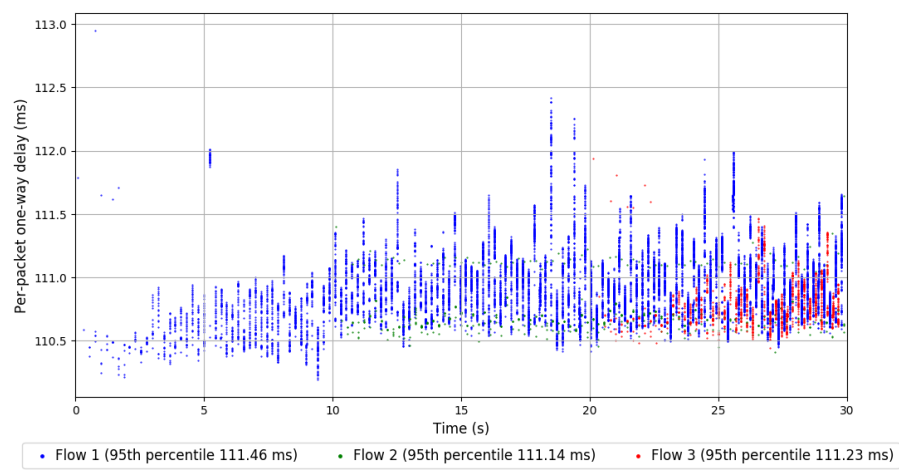
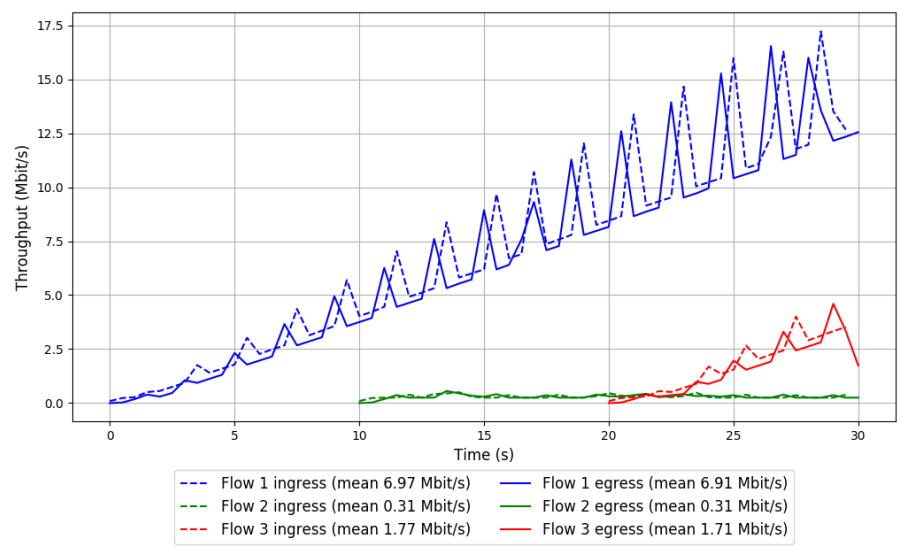
-- Flow 3:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 111.231 ms

Loss rate: 5.17%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-30 08:08:37

End at: 2018-06-30 08:09:07

Local clock offset: 0.307 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 111.249 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 6.20 Mbit/s

95th percentile per-packet one-way delay: 111.656 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 110.956 ms

Loss rate: 2.25%

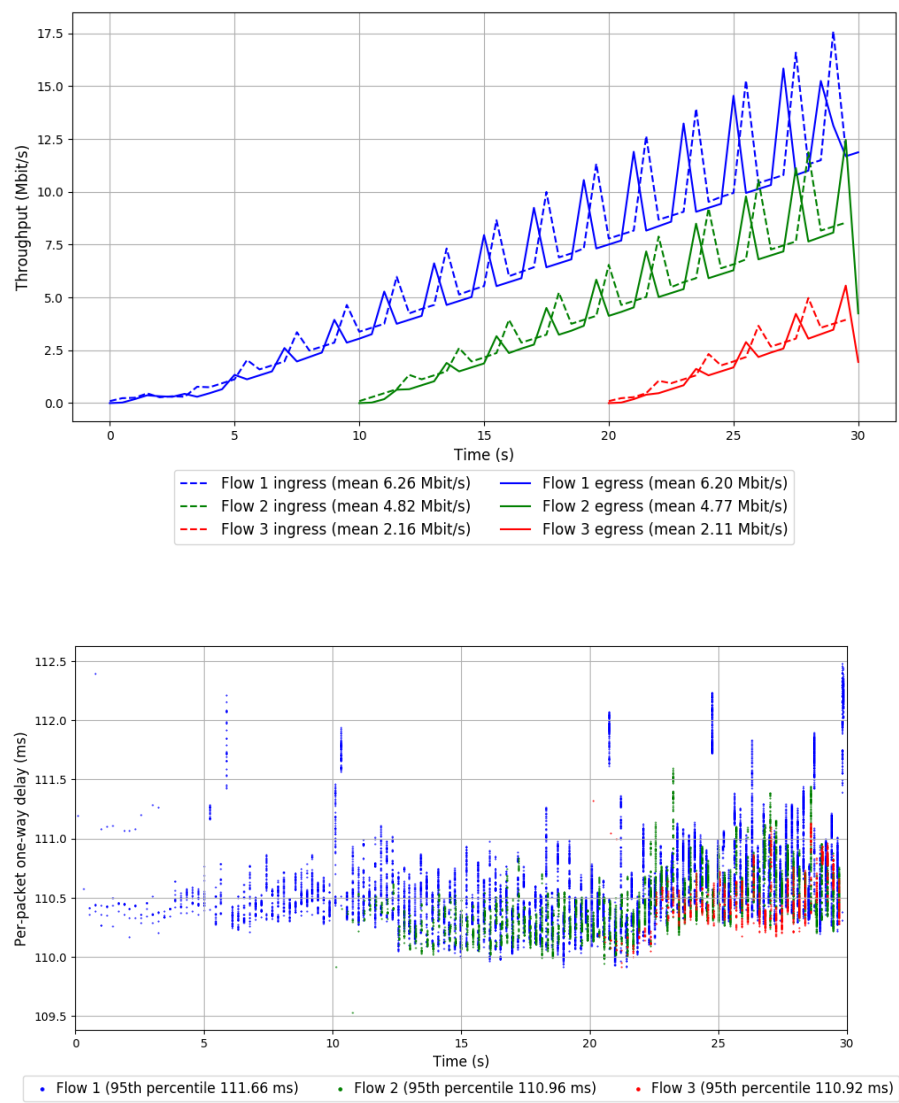
-- Flow 3:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 110.920 ms

Loss rate: 4.72%

Run 10: Report of LEDBAT — Data Link

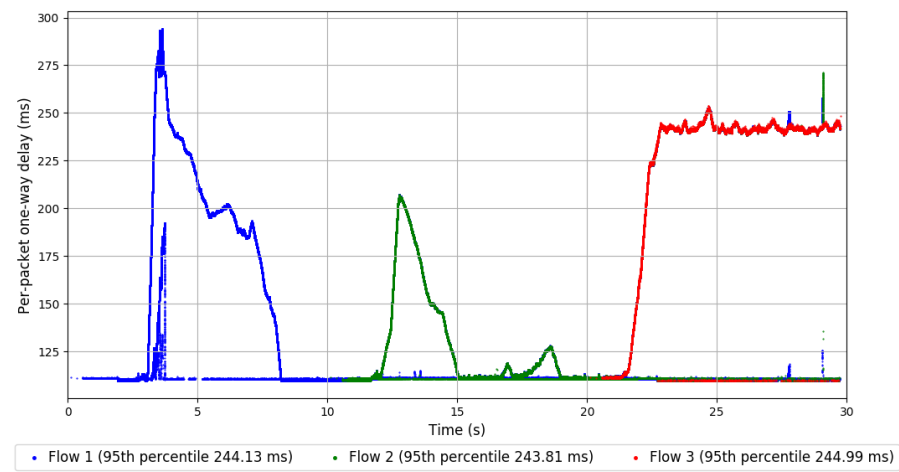
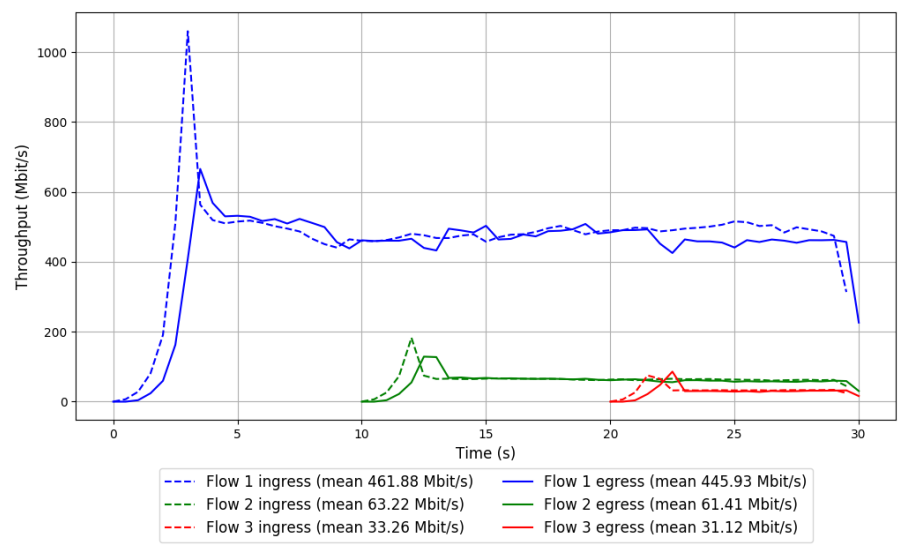


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 04:22:07
End at: 2018-06-30 04:22:37
Local clock offset: -0.228 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-06-30 09:56:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.65 Mbit/s
95th percentile per-packet one-way delay: 244.138 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 445.93 Mbit/s
95th percentile per-packet one-way delay: 244.128 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 243.806 ms
Loss rate: 3.97%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 244.988 ms
Loss rate: 8.50%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 04:47:47

End at: 2018-06-30 04:48:17

Local clock offset: 0.31 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.66 Mbit/s

95th percentile per-packet one-way delay: 250.272 ms

Loss rate: 2.59%

-- Flow 1:

Average throughput: 479.48 Mbit/s

95th percentile per-packet one-way delay: 250.214 ms

Loss rate: 2.60%

-- Flow 2:

Average throughput: 32.36 Mbit/s

95th percentile per-packet one-way delay: 251.531 ms

Loss rate: 2.18%

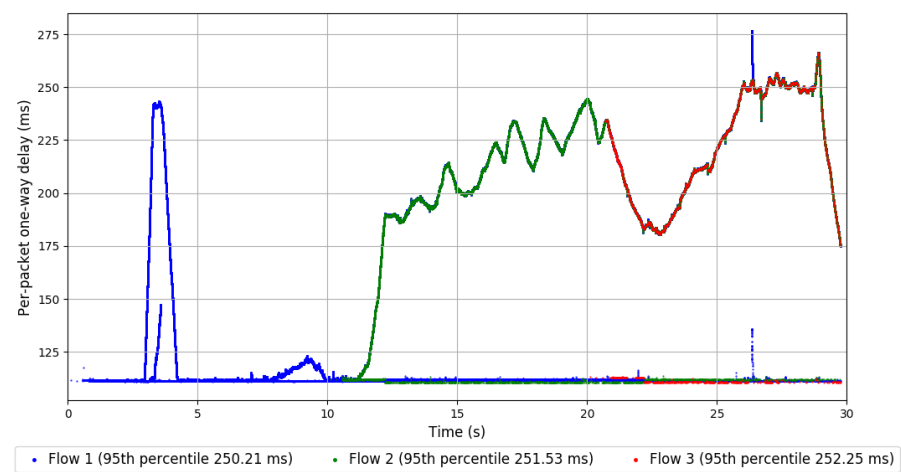
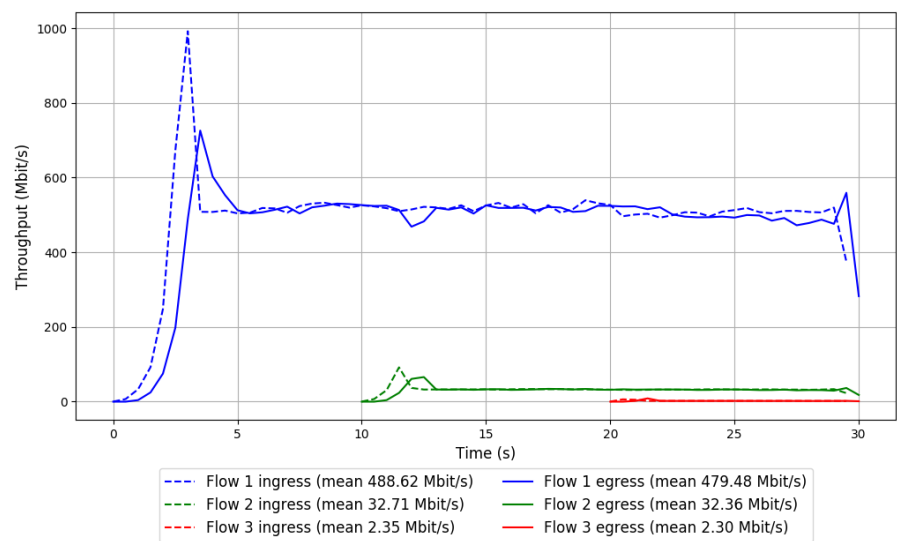
-- Flow 3:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 252.246 ms

Loss rate: 4.36%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 05:13:13

End at: 2018-06-30 05:13:43

Local clock offset: 1.198 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 525.71 Mbit/s

95th percentile per-packet one-way delay: 235.059 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 464.67 Mbit/s

95th percentile per-packet one-way delay: 235.111 ms

Loss rate: 2.79%

-- Flow 2:

Average throughput: 62.22 Mbit/s

95th percentile per-packet one-way delay: 234.160 ms

Loss rate: 2.36%

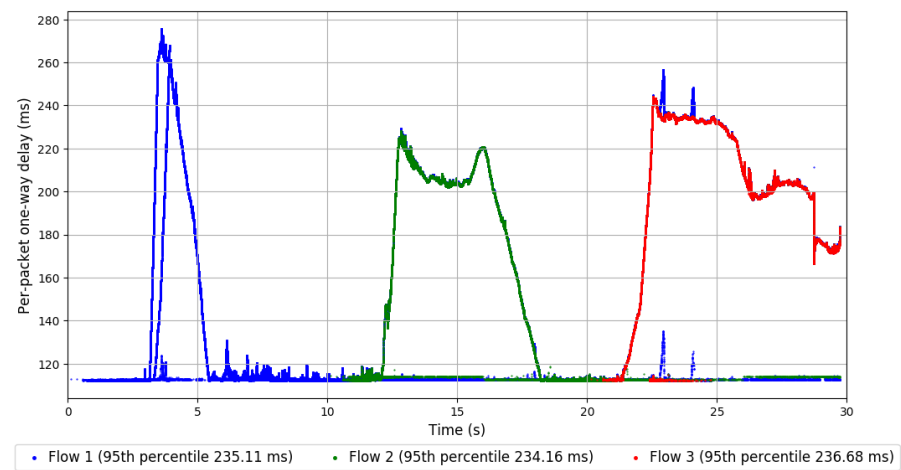
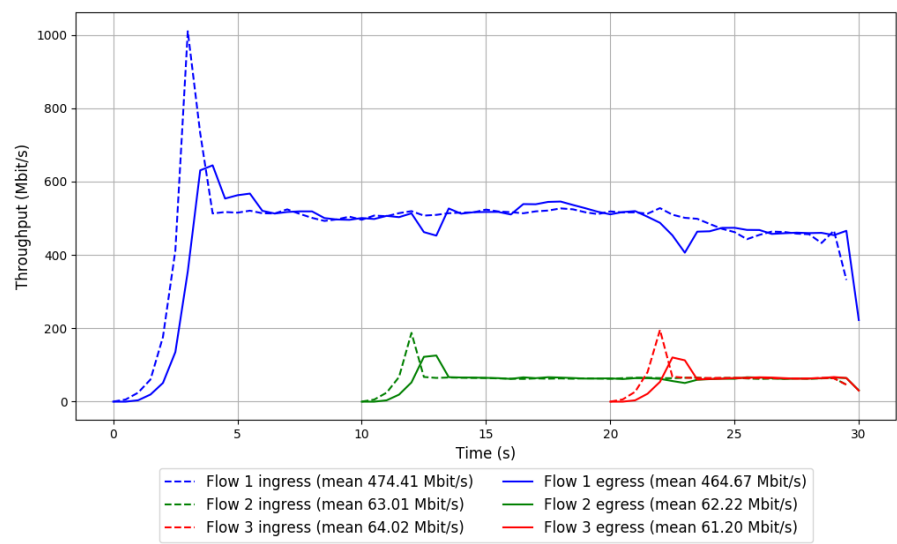
-- Flow 3:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 236.684 ms

Loss rate: 6.58%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 05:38:45

End at: 2018-06-30 05:39:15

Local clock offset: -0.231 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 515.14 Mbit/s

95th percentile per-packet one-way delay: 234.143 ms

Loss rate: 2.31%

-- Flow 1:

Average throughput: 499.15 Mbit/s

95th percentile per-packet one-way delay: 233.951 ms

Loss rate: 2.30%

-- Flow 2:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 233.343 ms

Loss rate: 1.69%

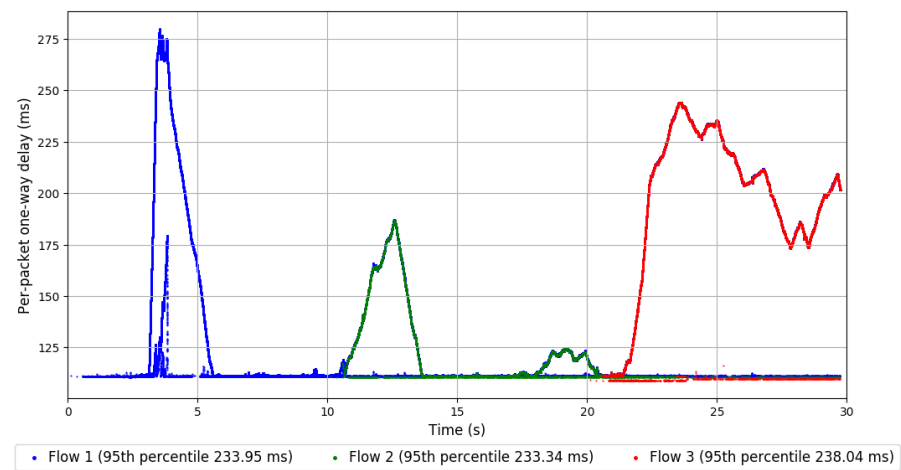
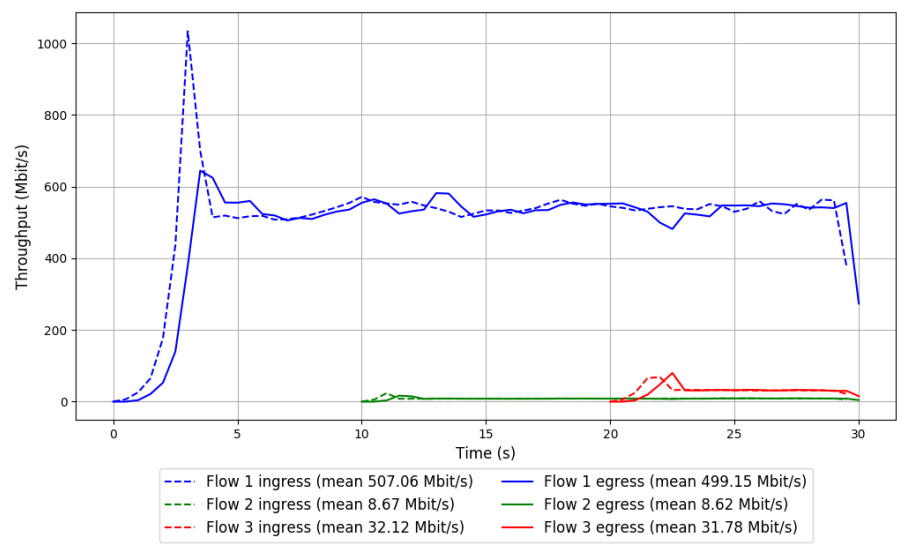
-- Flow 3:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 238.042 ms

Loss rate: 3.28%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 06:05:05

End at: 2018-06-30 06:05:35

Local clock offset: -1.527 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 515.80 Mbit/s

95th percentile per-packet one-way delay: 238.123 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 492.29 Mbit/s

95th percentile per-packet one-way delay: 238.132 ms

Loss rate: 2.92%

-- Flow 2:

Average throughput: 33.41 Mbit/s

95th percentile per-packet one-way delay: 237.985 ms

Loss rate: 2.48%

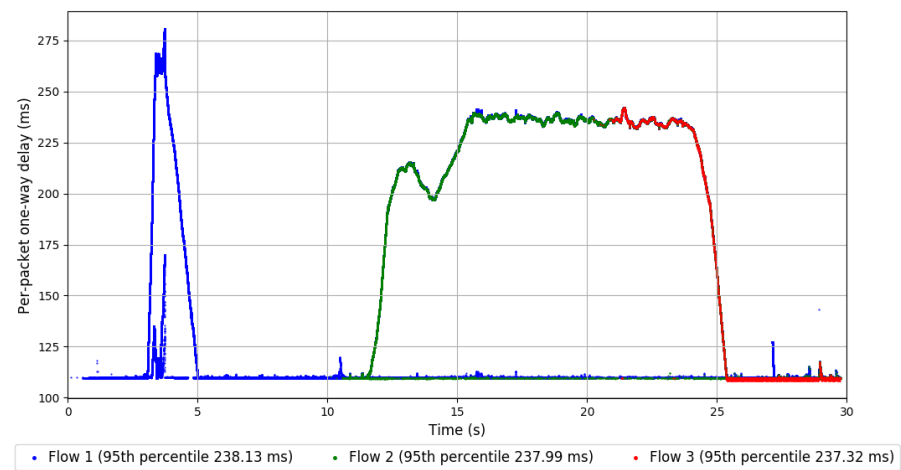
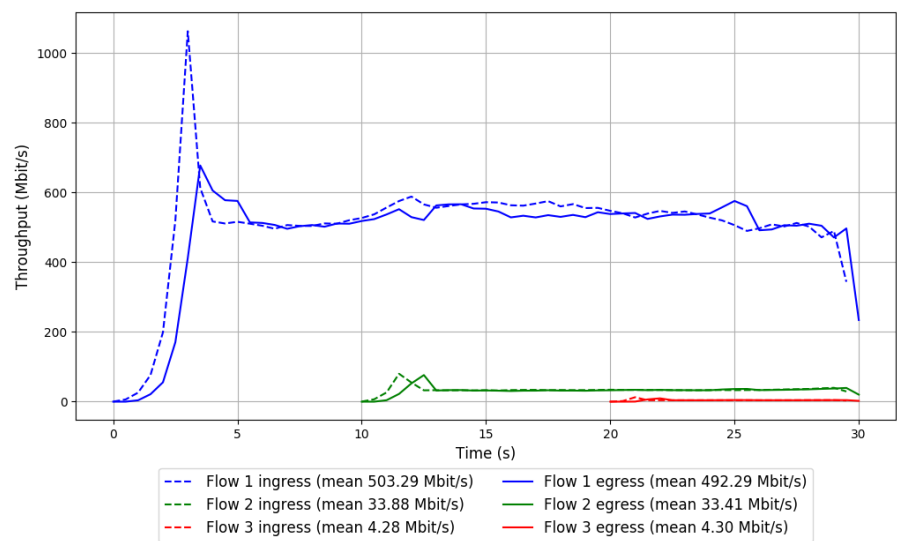
-- Flow 3:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 237.322 ms

Loss rate: 3.07%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 06:30:45

End at: 2018-06-30 06:31:15

Local clock offset: -1.201 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-06-30 09:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 493.27 Mbit/s

95th percentile per-packet one-way delay: 233.115 ms

Loss rate: 2.97%

-- Flow 1:

Average throughput: 461.33 Mbit/s

95th percentile per-packet one-way delay: 233.125 ms

Loss rate: 2.94%

-- Flow 2:

Average throughput: 33.19 Mbit/s

95th percentile per-packet one-way delay: 231.483 ms

Loss rate: 2.41%

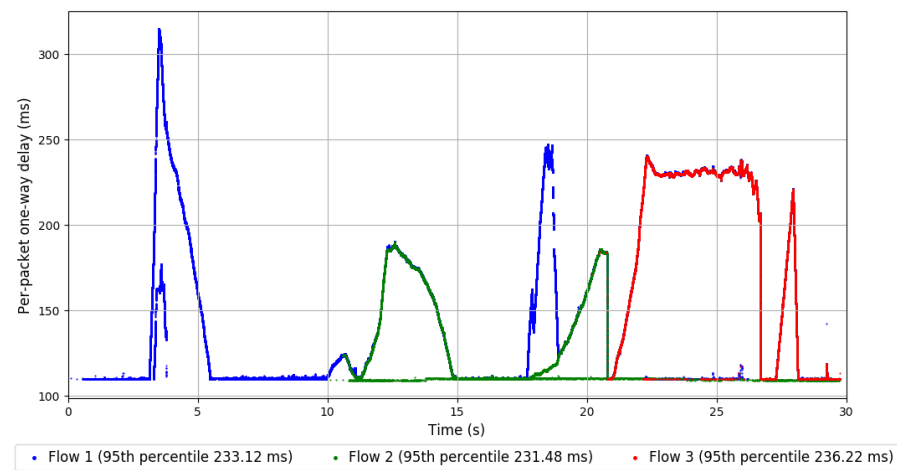
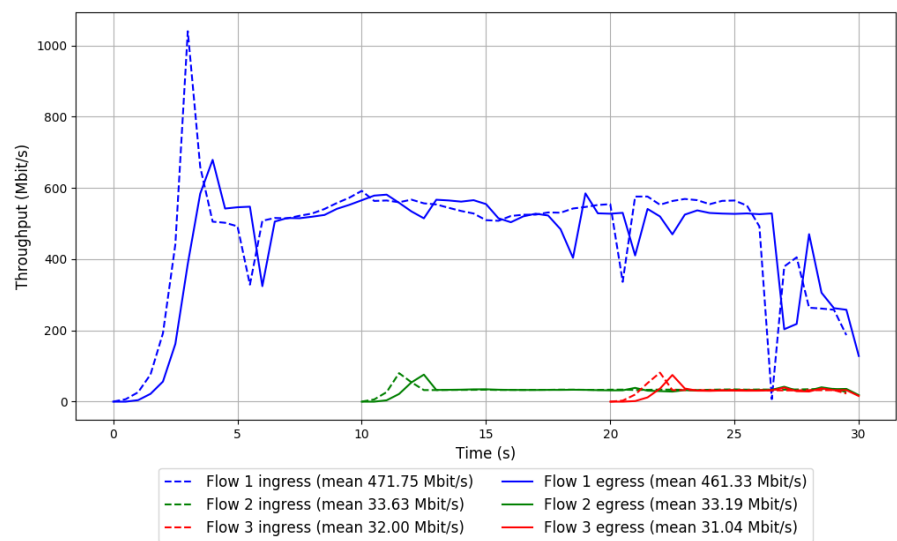
-- Flow 3:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 236.222 ms

Loss rate: 5.77%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 06:56:30

End at: 2018-06-30 06:57:00

Local clock offset: 0.098 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-06-30 09:56:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 505.71 Mbit/s

95th percentile per-packet one-way delay: 209.532 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 458.07 Mbit/s

95th percentile per-packet one-way delay: 210.188 ms

Loss rate: 2.13%

-- Flow 2:

Average throughput: 69.86 Mbit/s

95th percentile per-packet one-way delay: 205.922 ms

Loss rate: 1.28%

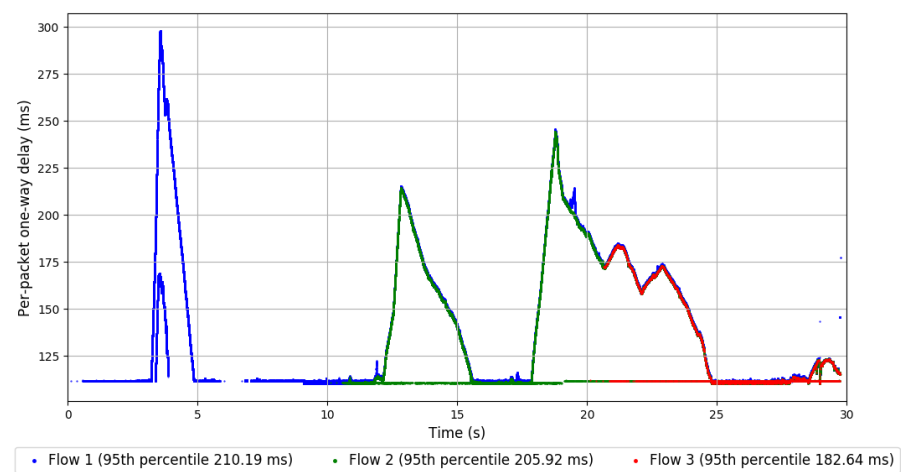
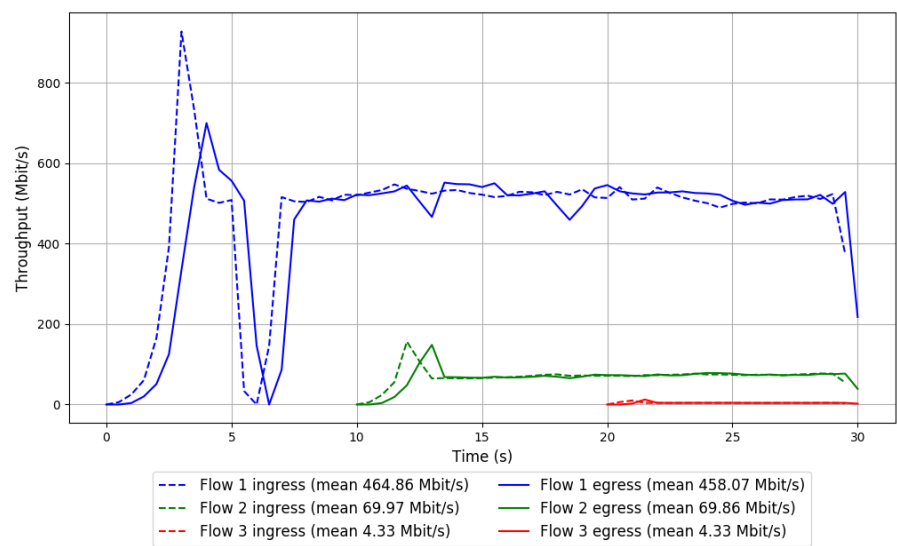
-- Flow 3:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 182.640 ms

Loss rate: 2.30%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 07:22:36

End at: 2018-06-30 07:23:06

Local clock offset: -0.352 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-06-30 09:57:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 519.06 Mbit/s

95th percentile per-packet one-way delay: 238.949 ms

Loss rate: 4.01%

-- Flow 1:

Average throughput: 474.08 Mbit/s

95th percentile per-packet one-way delay: 238.893 ms

Loss rate: 3.97%

-- Flow 2:

Average throughput: 65.92 Mbit/s

95th percentile per-packet one-way delay: 239.166 ms

Loss rate: 4.48%

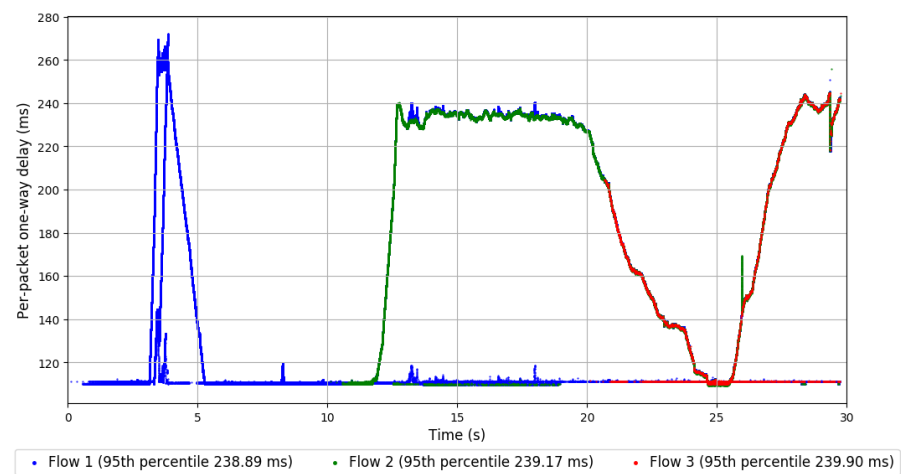
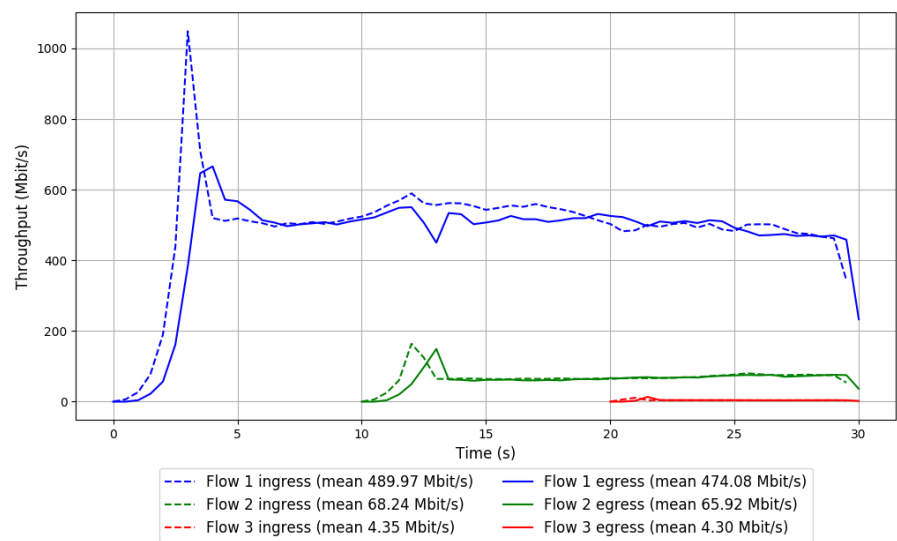
-- Flow 3:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 239.904 ms

Loss rate: 3.40%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 07:48:31

End at: 2018-06-30 07:49:01

Local clock offset: -0.074 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-30 09:58:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.46 Mbit/s

95th percentile per-packet one-way delay: 248.053 ms

Loss rate: 5.55%

-- Flow 1:

Average throughput: 496.05 Mbit/s

95th percentile per-packet one-way delay: 248.102 ms

Loss rate: 5.52%

-- Flow 2:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 248.108 ms

Loss rate: 6.87%

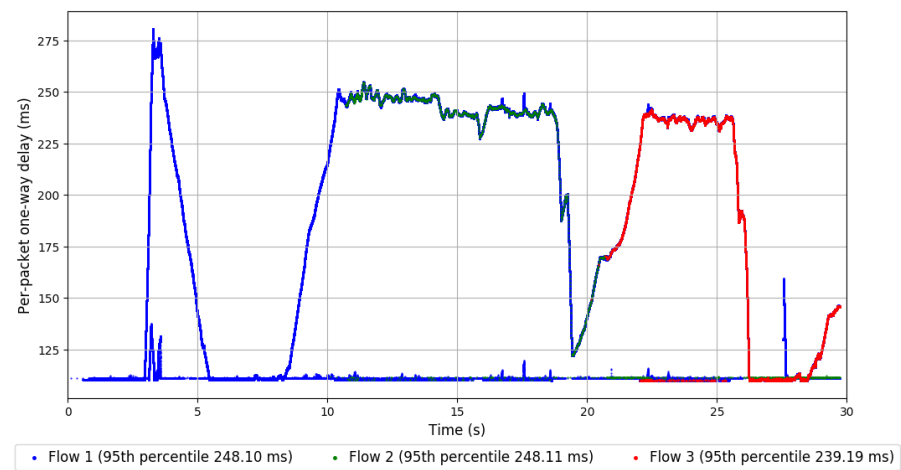
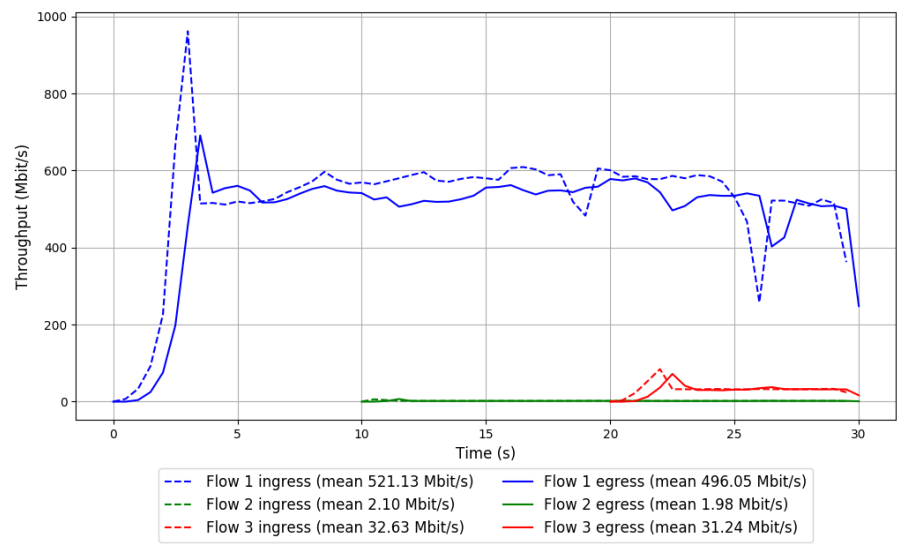
-- Flow 3:

Average throughput: 31.24 Mbit/s

95th percentile per-packet one-way delay: 239.195 ms

Loss rate: 6.81%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 08:14:24

End at: 2018-06-30 08:14:54

Local clock offset: 1.081 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-06-30 09:58:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 499.02 Mbit/s

95th percentile per-packet one-way delay: 249.083 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 434.90 Mbit/s

95th percentile per-packet one-way delay: 249.201 ms

Loss rate: 2.92%

-- Flow 2:

Average throughput: 66.66 Mbit/s

95th percentile per-packet one-way delay: 249.080 ms

Loss rate: 2.56%

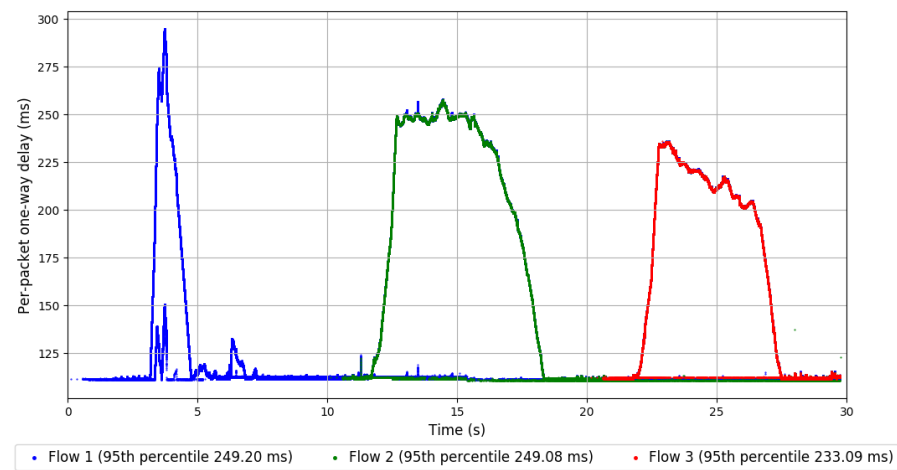
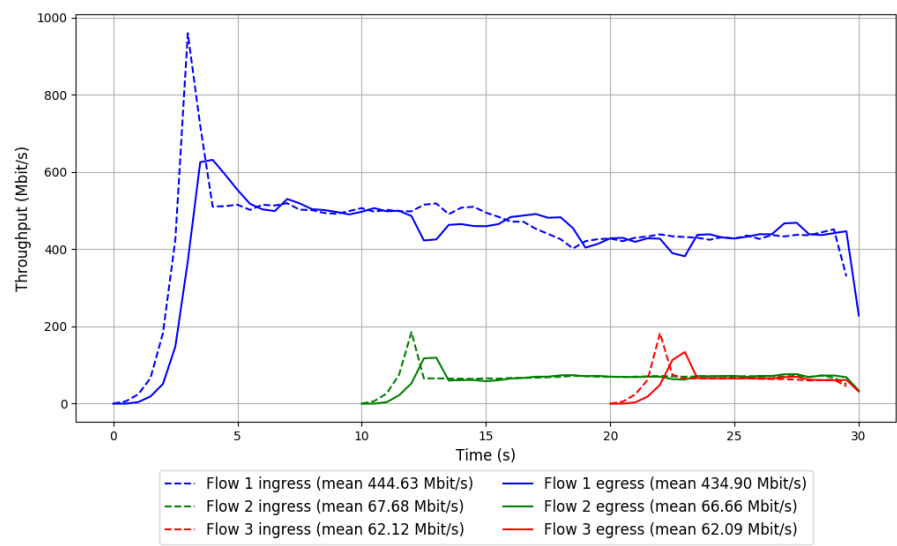
-- Flow 3:

Average throughput: 62.09 Mbit/s

95th percentile per-packet one-way delay: 233.091 ms

Loss rate: 2.30%

Run 10: Report of PCC-Allegro — Data Link

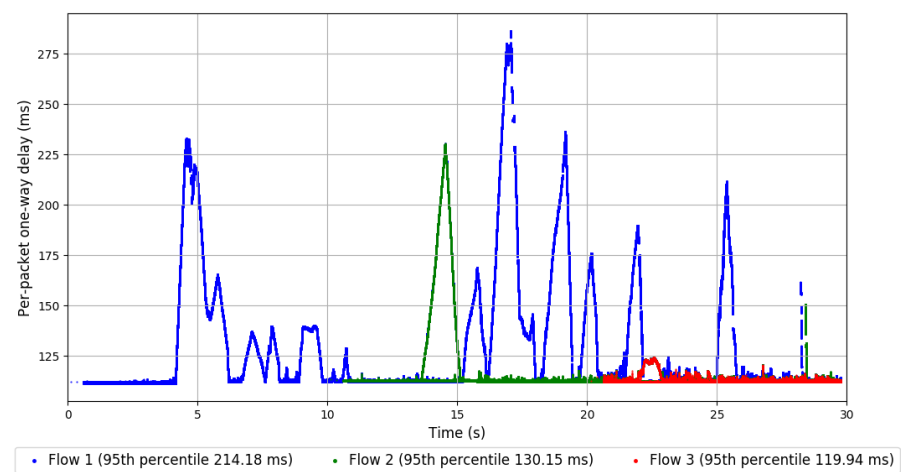
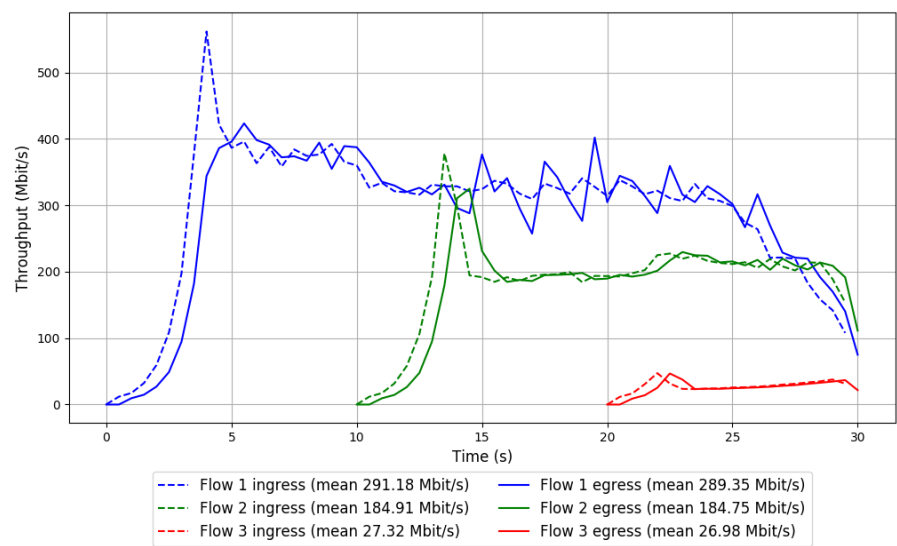


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 04:20:13
End at: 2018-06-30 04:20:43
Local clock offset: 1.147 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-06-30 10:04:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 420.49 Mbit/s
95th percentile per-packet one-way delay: 204.239 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 289.35 Mbit/s
95th percentile per-packet one-way delay: 214.184 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 184.75 Mbit/s
95th percentile per-packet one-way delay: 130.146 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 119.944 ms
Loss rate: 3.46%
```


Run 1: Report of PCC-Expr — Data Link

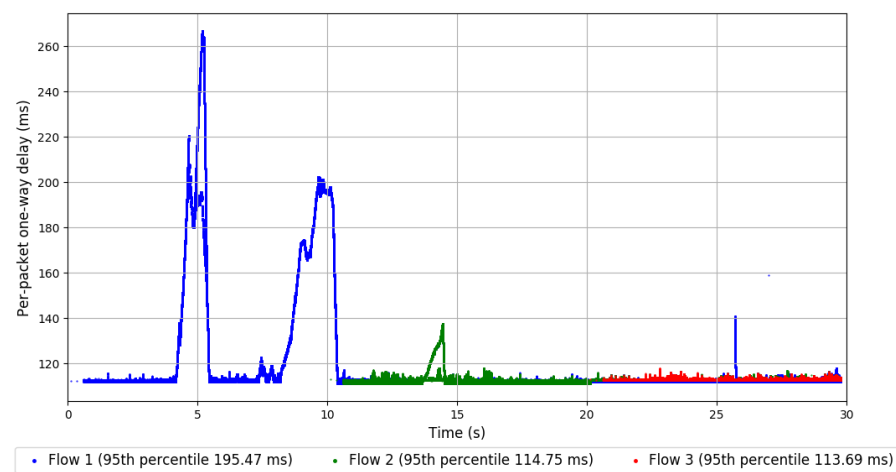
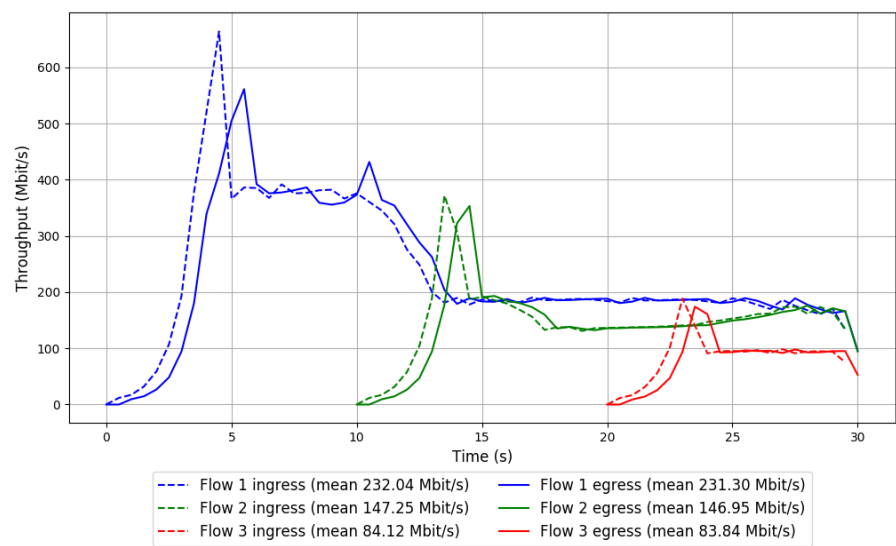


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 04:45:59
End at: 2018-06-30 04:46:29
Local clock offset: 1.236 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-06-30 10:04:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.91 Mbit/s
95th percentile per-packet one-way delay: 190.251 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 231.30 Mbit/s
95th percentile per-packet one-way delay: 195.474 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 146.95 Mbit/s
95th percentile per-packet one-way delay: 114.755 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 83.84 Mbit/s
95th percentile per-packet one-way delay: 113.692 ms
Loss rate: 2.59%
```

Run 2: Report of PCC-Expr — Data Link

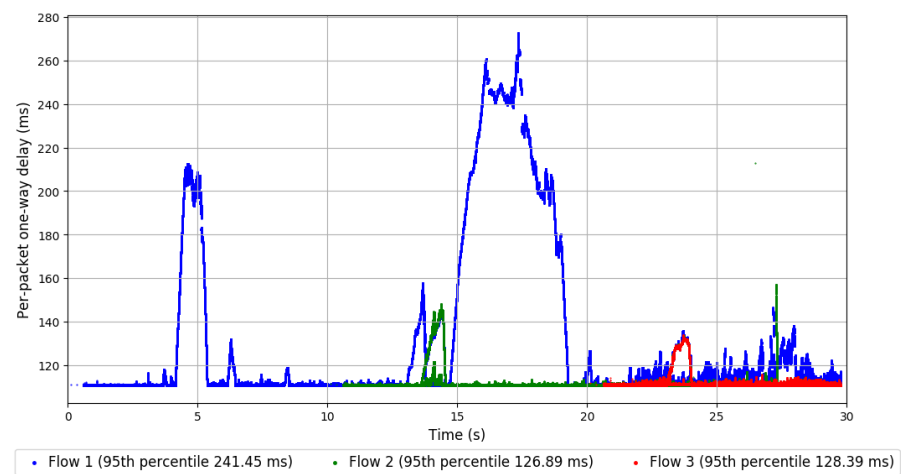
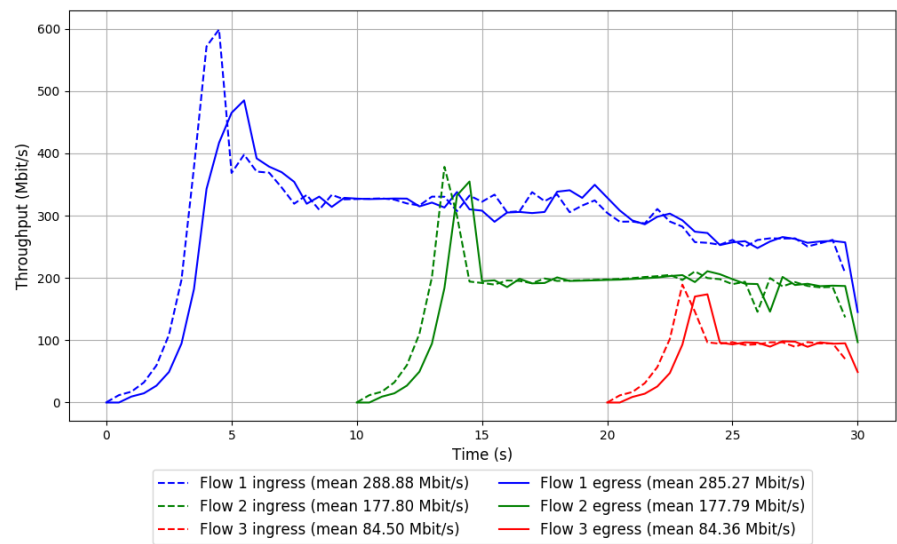


```
Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 05:11:18
End at: 2018-06-30 05:11:48
Local clock offset: -0.111 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-06-30 10:09:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 430.46 Mbit/s
95th percentile per-packet one-way delay: 221.694 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 285.27 Mbit/s
95th percentile per-packet one-way delay: 241.453 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 177.79 Mbit/s
95th percentile per-packet one-way delay: 126.892 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 128.389 ms
Loss rate: 2.50%
```

Run 3: Report of PCC-Expr — Data Link

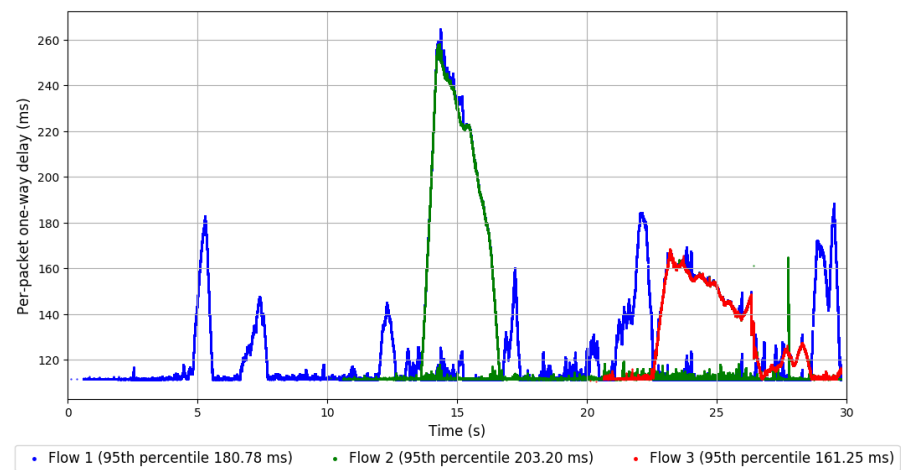
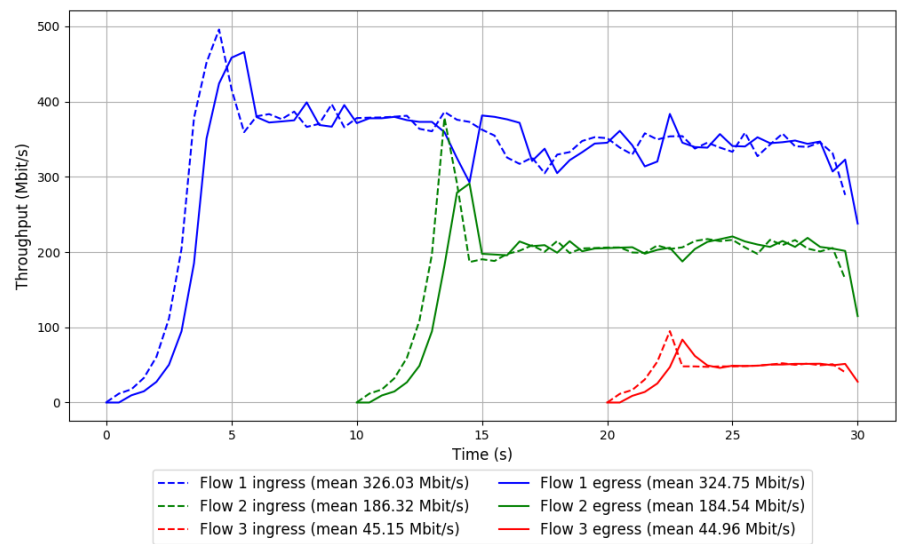


Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 05:36:49
End at: 2018-06-30 05:37:19
Local clock offset: 0.092 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-06-30 10:10:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 461.62 Mbit/s
95th percentile per-packet one-way delay: 181.706 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 324.75 Mbit/s
95th percentile per-packet one-way delay: 180.776 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 184.54 Mbit/s
95th percentile per-packet one-way delay: 203.202 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 161.252 ms
Loss rate: 2.65%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 06:03:10

End at: 2018-06-30 06:03:40

Local clock offset: -0.013 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-06-30 10:10:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.84 Mbit/s

95th percentile per-packet one-way delay: 181.006 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 302.07 Mbit/s

95th percentile per-packet one-way delay: 184.893 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 152.55 Mbit/s

95th percentile per-packet one-way delay: 161.005 ms

Loss rate: 2.07%

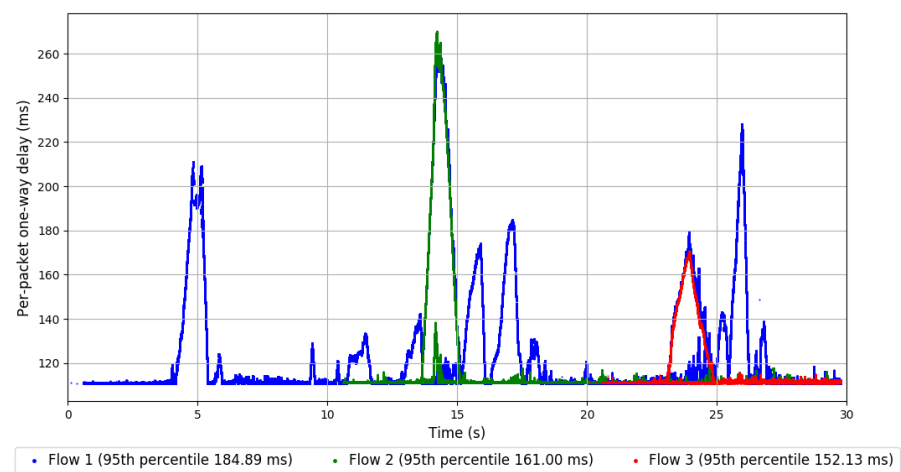
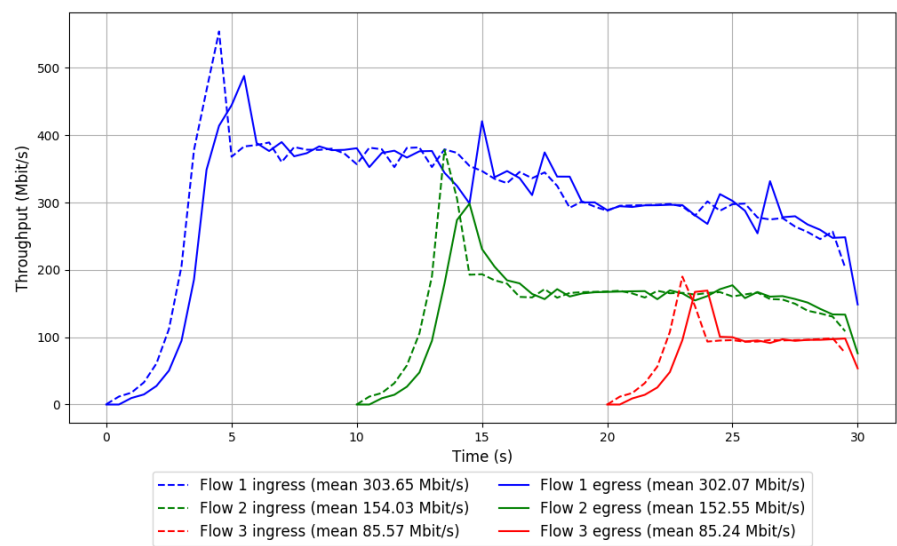
-- Flow 3:

Average throughput: 85.24 Mbit/s

95th percentile per-packet one-way delay: 152.128 ms

Loss rate: 2.66%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 06:29:00

End at: 2018-06-30 06:29:30

Local clock offset: -1.59 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-06-30 10:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.25 Mbit/s

95th percentile per-packet one-way delay: 110.356 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 178.16 Mbit/s

95th percentile per-packet one-way delay: 110.149 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 175.03 Mbit/s

95th percentile per-packet one-way delay: 110.505 ms

Loss rate: 1.30%

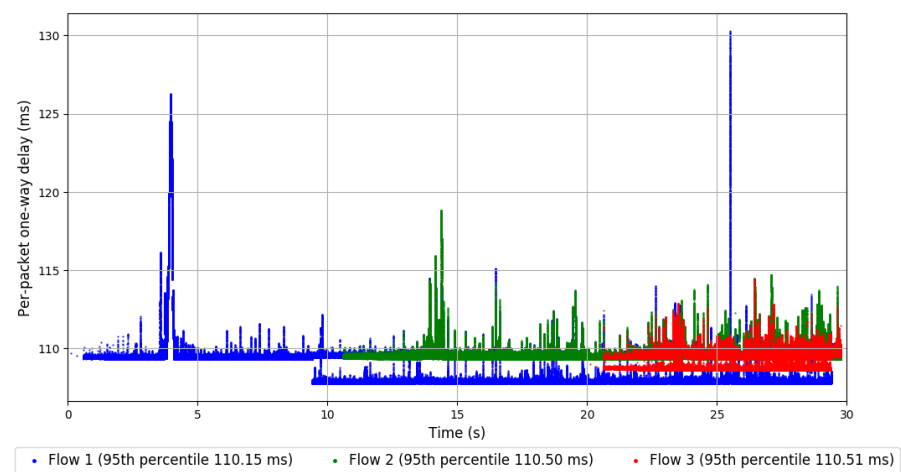
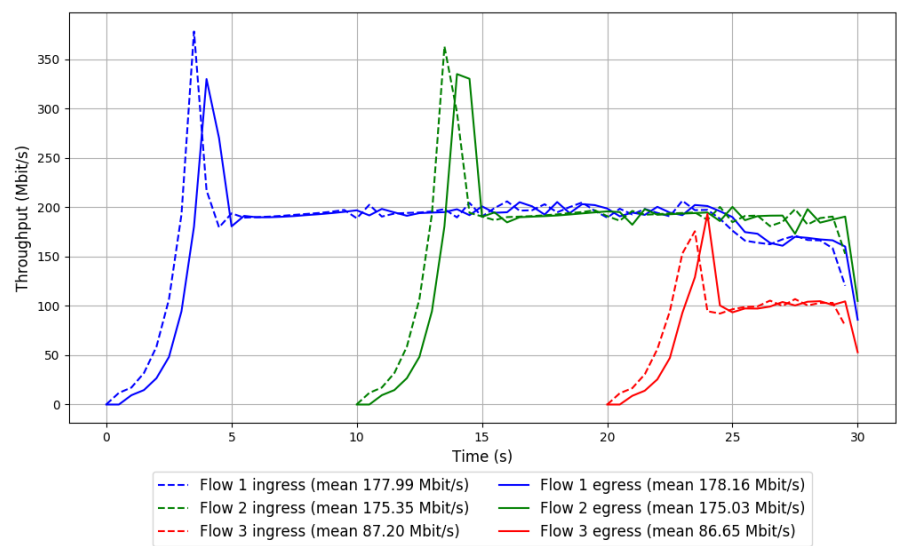
-- Flow 3:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 110.511 ms

Loss rate: 2.81%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 06:54:38

End at: 2018-06-30 06:55:08

Local clock offset: -0.063 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-06-30 10:12:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 423.00 Mbit/s

95th percentile per-packet one-way delay: 209.430 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 345.68 Mbit/s

95th percentile per-packet one-way delay: 216.810 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 113.563 ms

Loss rate: 1.18%

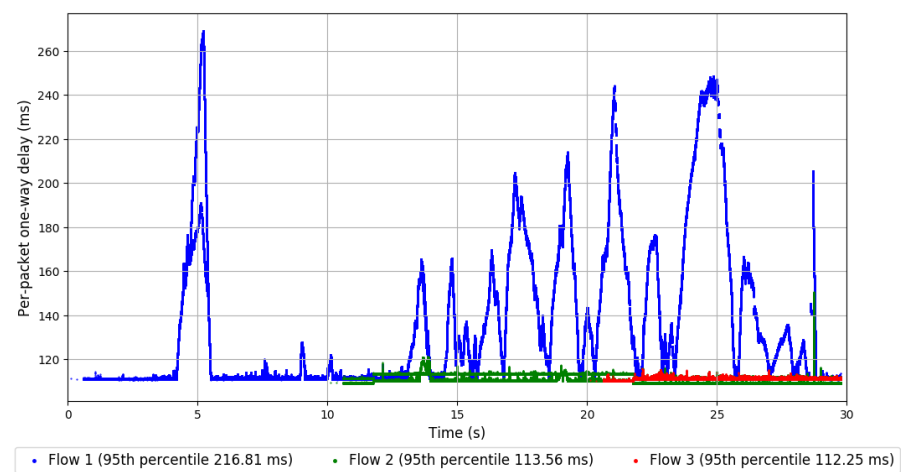
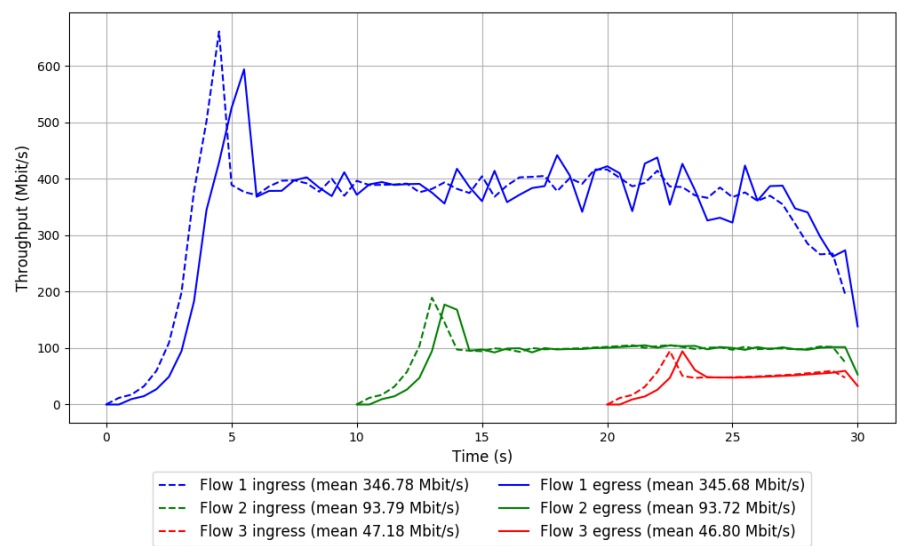
-- Flow 3:

Average throughput: 46.80 Mbit/s

95th percentile per-packet one-way delay: 112.245 ms

Loss rate: 3.04%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 07:20:40

End at: 2018-06-30 07:21:10

Local clock offset: -0.064 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-06-30 10:14:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.55 Mbit/s

95th percentile per-packet one-way delay: 233.420 ms

Loss rate: 2.75%

-- Flow 1:

Average throughput: 306.35 Mbit/s

95th percentile per-packet one-way delay: 232.922 ms

Loss rate: 2.48%

-- Flow 2:

Average throughput: 181.49 Mbit/s

95th percentile per-packet one-way delay: 230.682 ms

Loss rate: 2.83%

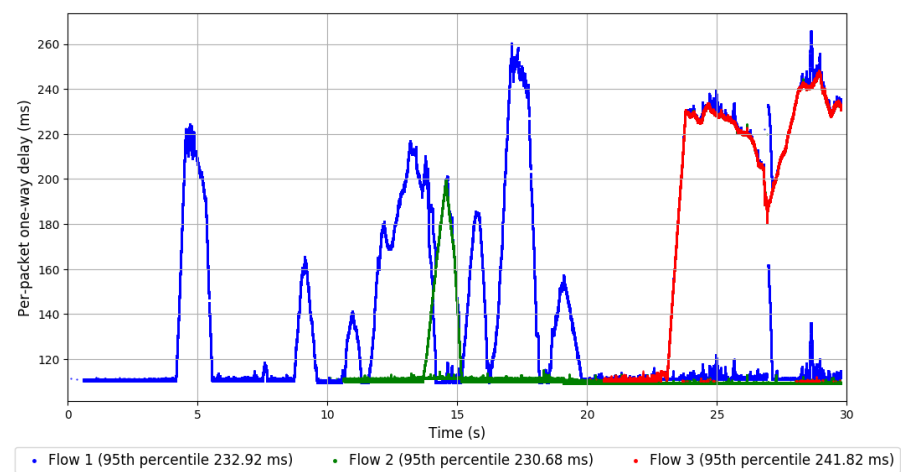
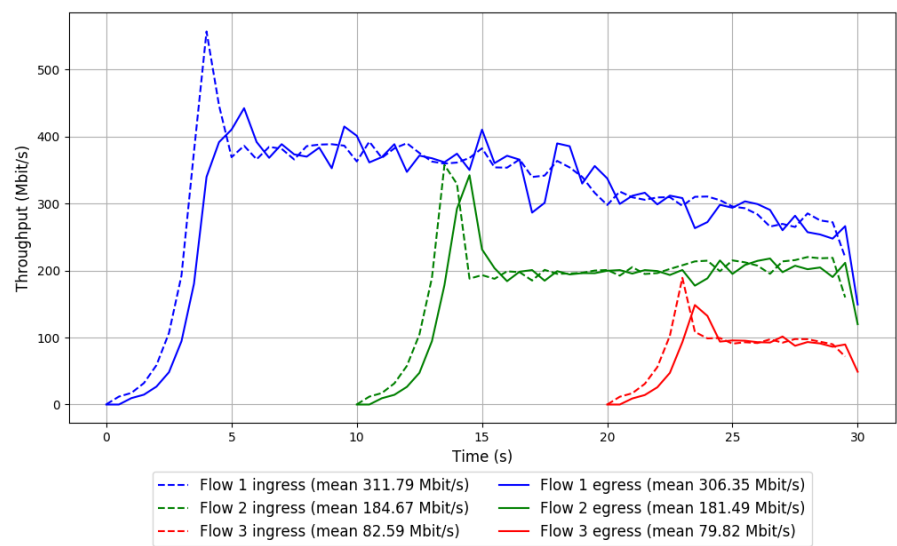
-- Flow 3:

Average throughput: 79.82 Mbit/s

95th percentile per-packet one-way delay: 241.821 ms

Loss rate: 5.54%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 07:46:42

End at: 2018-06-30 07:47:12

Local clock offset: 0.143 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-06-30 10:15:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.62 Mbit/s

95th percentile per-packet one-way delay: 118.504 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 210.92 Mbit/s

95th percentile per-packet one-way delay: 113.823 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 172.25 Mbit/s

95th percentile per-packet one-way delay: 149.076 ms

Loss rate: 1.24%

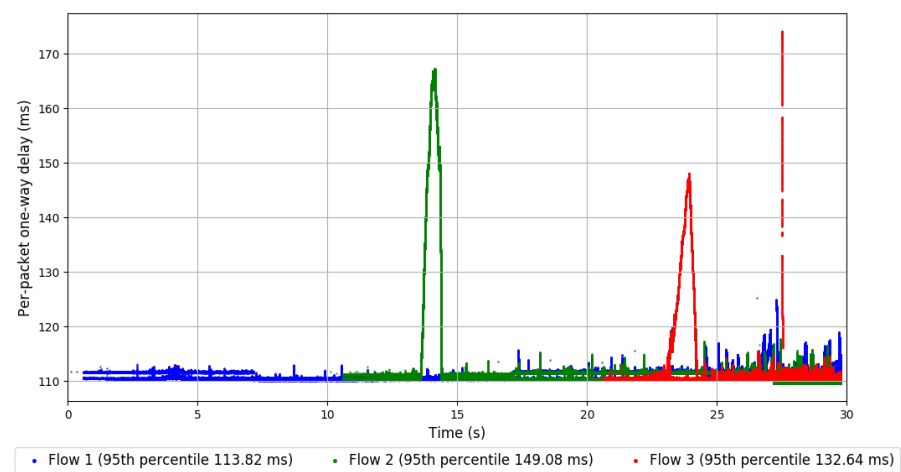
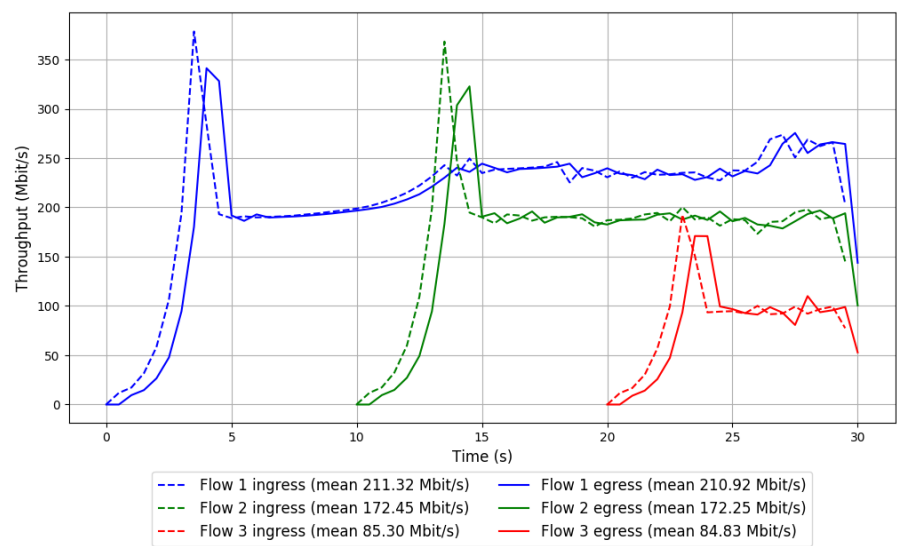
-- Flow 3:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 132.638 ms

Loss rate: 2.79%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 08:12:35

End at: 2018-06-30 08:13:05

Local clock offset: 1.3 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.64 Mbit/s

95th percentile per-packet one-way delay: 119.622 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 209.10 Mbit/s

95th percentile per-packet one-way delay: 115.410 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 184.13 Mbit/s

95th percentile per-packet one-way delay: 124.670 ms

Loss rate: 1.46%

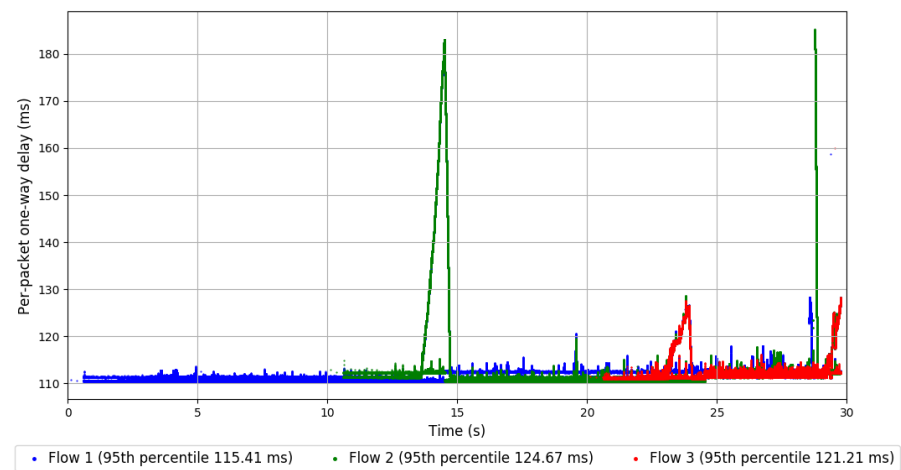
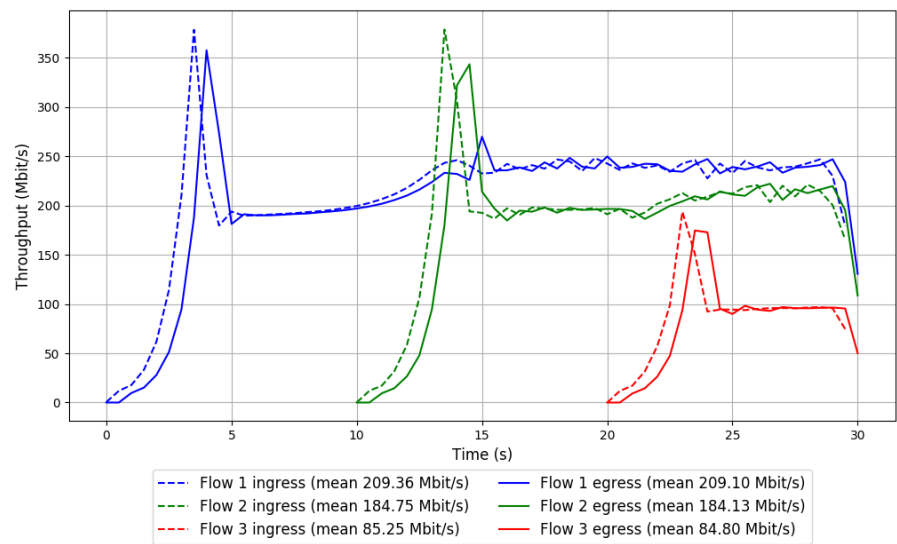
-- Flow 3:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 121.206 ms

Loss rate: 2.77%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 04:17:33

End at: 2018-06-30 04:18:03

Local clock offset: -0.041 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.05 Mbit/s

95th percentile per-packet one-way delay: 111.279 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 60.28 Mbit/s

95th percentile per-packet one-way delay: 111.309 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 61.21 Mbit/s

95th percentile per-packet one-way delay: 110.034 ms

Loss rate: 0.43%

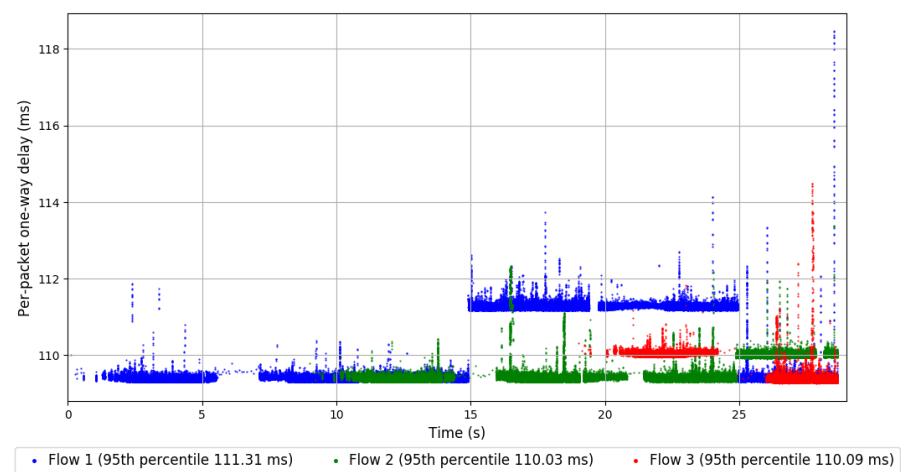
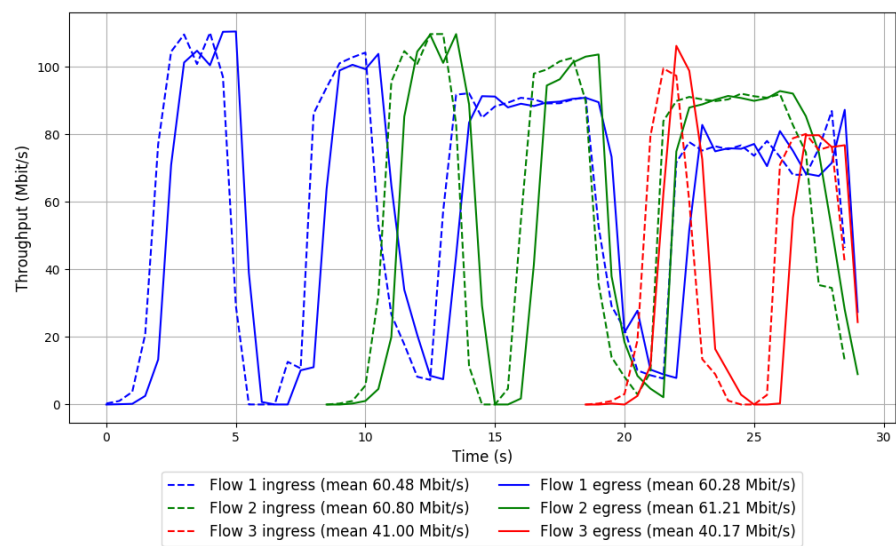
-- Flow 3:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 110.090 ms

Loss rate: 4.22%

Run 1: Report of QUIC Cubic — Data Link

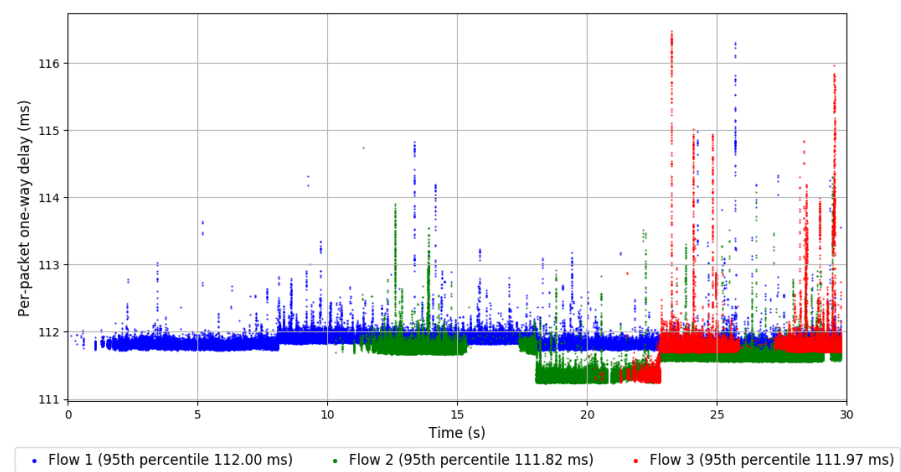
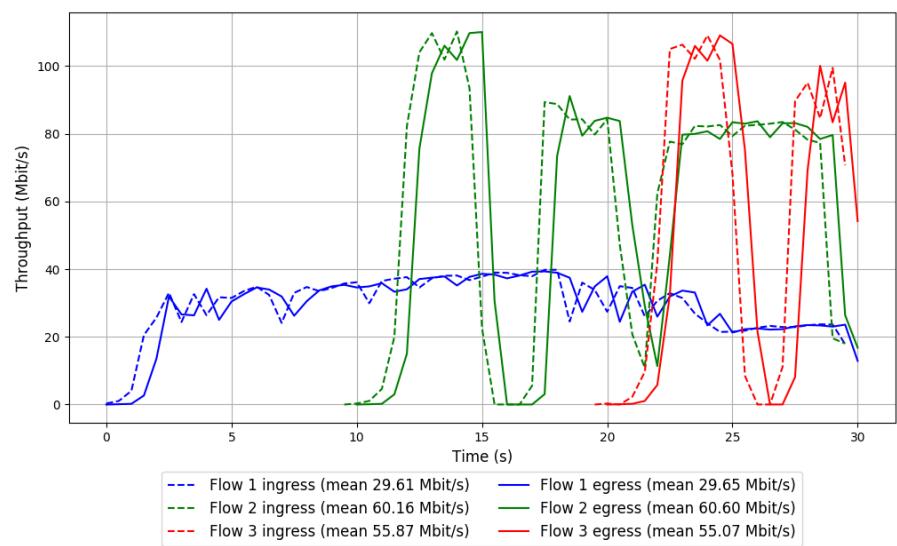


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 04:43:21
End at: 2018-06-30 04:43:51
Local clock offset: 0.029 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-06-30 10:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 111.957 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 111.998 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 60.60 Mbit/s
95th percentile per-packet one-way delay: 111.822 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 111.972 ms
Loss rate: 3.66%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 05:08:40

End at: 2018-06-30 05:09:10

Local clock offset: 1.046 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.15 Mbit/s

95th percentile per-packet one-way delay: 112.521 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 64.90 Mbit/s

95th percentile per-packet one-way delay: 112.542 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 55.61 Mbit/s

95th percentile per-packet one-way delay: 111.920 ms

Loss rate: 1.52%

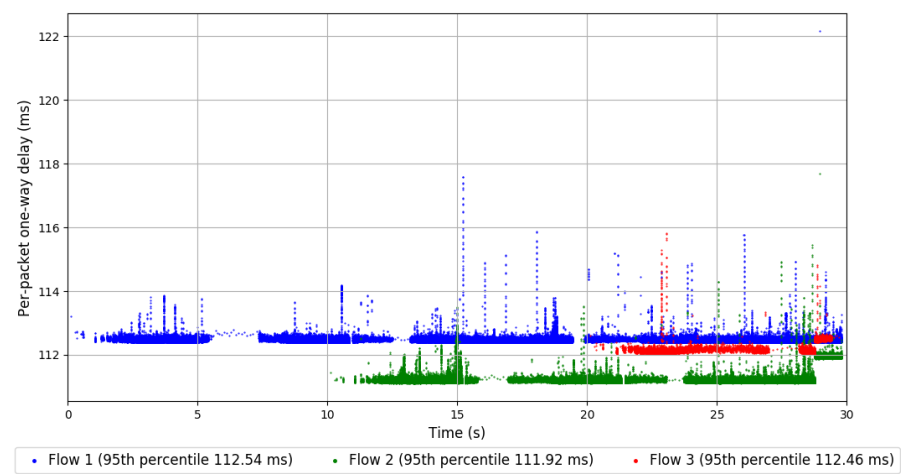
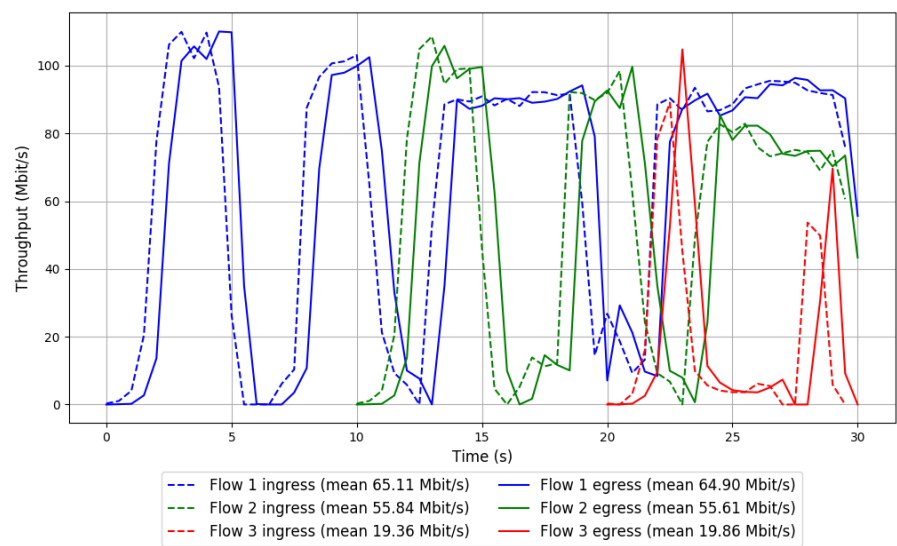
-- Flow 3:

Average throughput: 19.86 Mbit/s

95th percentile per-packet one-way delay: 112.464 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 05:34:04

End at: 2018-06-30 05:34:34

Local clock offset: -1.571 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.92 Mbit/s

95th percentile per-packet one-way delay: 109.832 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 63.95 Mbit/s

95th percentile per-packet one-way delay: 109.549 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 60.29 Mbit/s

95th percentile per-packet one-way delay: 109.870 ms

Loss rate: 0.00%

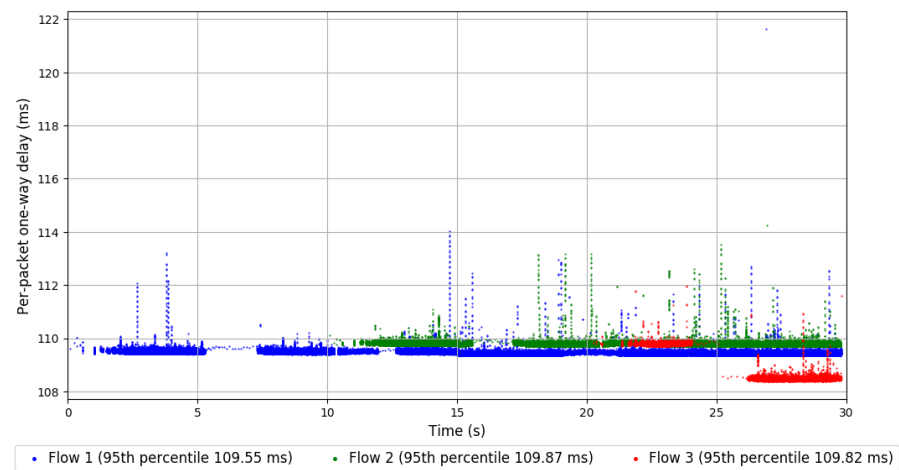
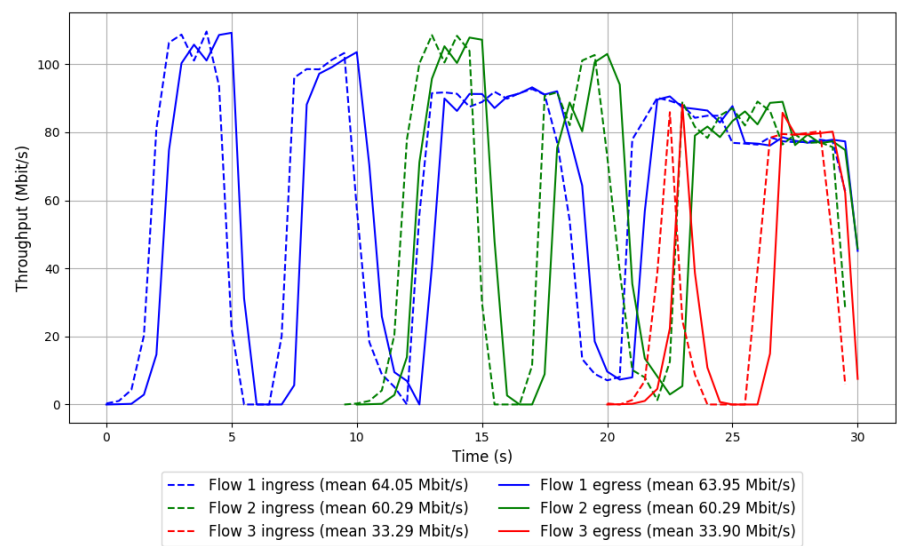
-- Flow 3:

Average throughput: 33.90 Mbit/s

95th percentile per-packet one-way delay: 109.816 ms

Loss rate: 0.27%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 06:00:22

End at: 2018-06-30 06:00:52

Local clock offset: -0.151 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.29 Mbit/s

95th percentile per-packet one-way delay: 111.224 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 62.18 Mbit/s

95th percentile per-packet one-way delay: 109.418 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 54.19 Mbit/s

95th percentile per-packet one-way delay: 111.223 ms

Loss rate: 1.59%

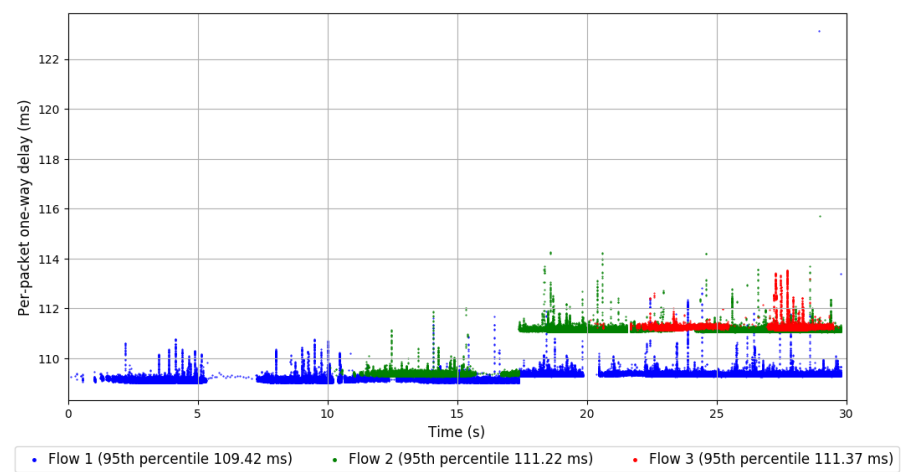
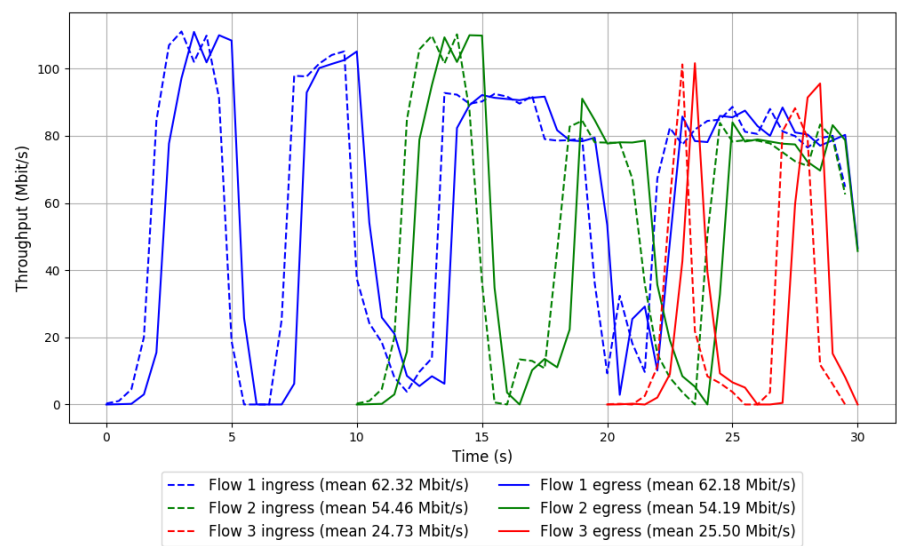
-- Flow 3:

Average throughput: 25.50 Mbit/s

95th percentile per-packet one-way delay: 111.372 ms

Loss rate: 0.03%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 06:26:18

End at: 2018-06-30 06:26:48

Local clock offset: -0.034 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.15 Mbit/s

95th percentile per-packet one-way delay: 111.418 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 65.03 Mbit/s

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

Loss rate: 0.94%

-- Flow 2:

Average throughput: 60.61 Mbit/s

95th percentile per-packet one-way delay: 111.475 ms

Loss rate: 0.00%

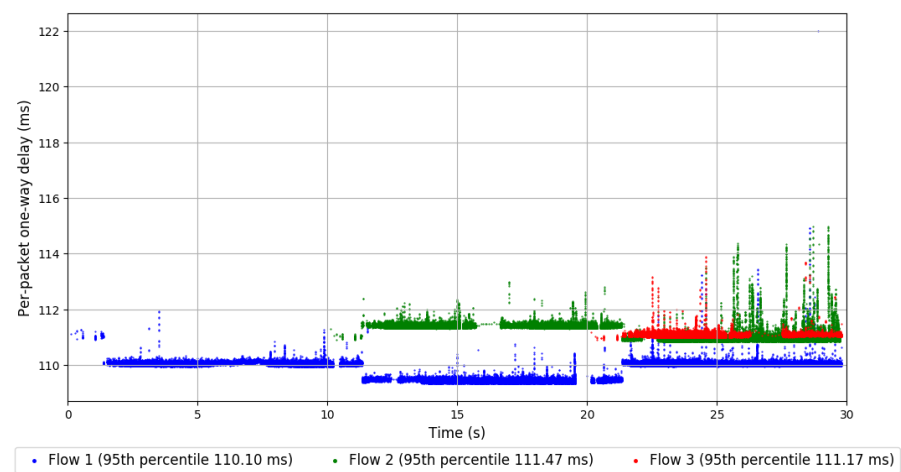
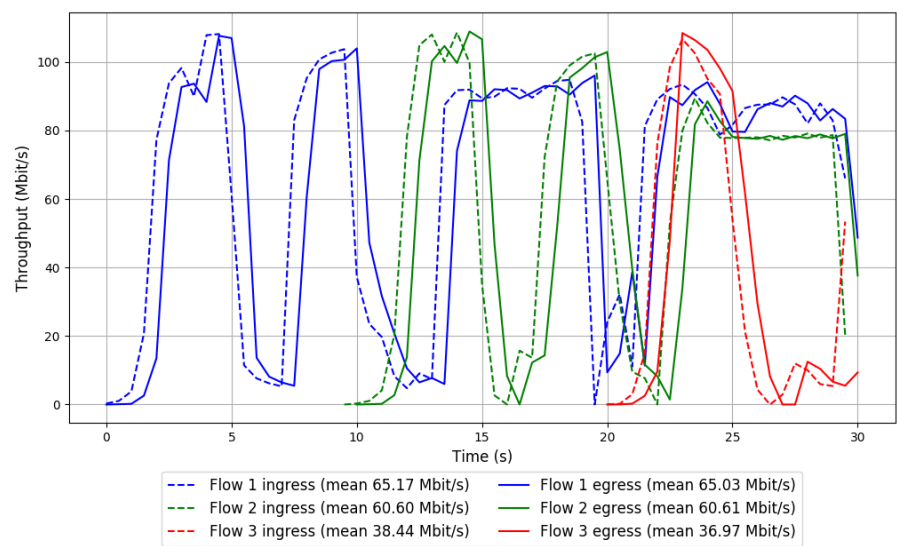
-- Flow 3:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 111.172 ms

Loss rate: 5.97%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 06:51:58

End at: 2018-06-30 06:52:28

Local clock offset: 0.148 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.37 Mbit/s

95th percentile per-packet one-way delay: 111.716 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 62.84 Mbit/s

95th percentile per-packet one-way delay: 111.612 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 60.38 Mbit/s

95th percentile per-packet one-way delay: 111.730 ms

Loss rate: 0.73%

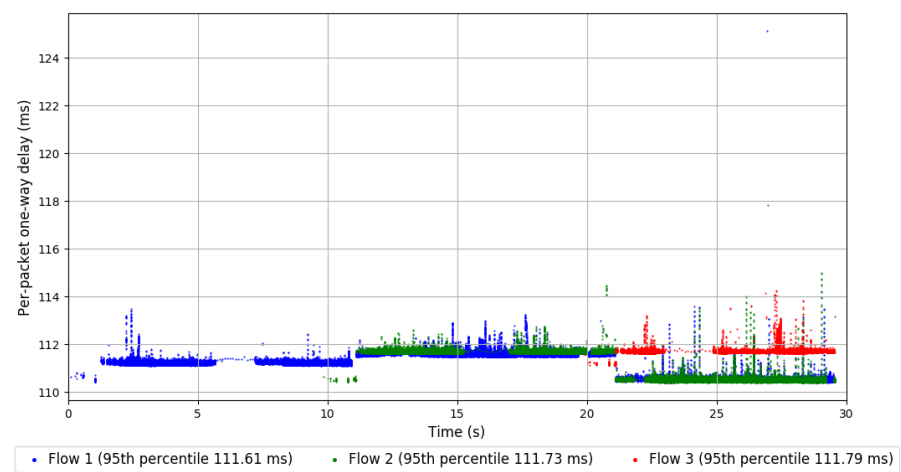
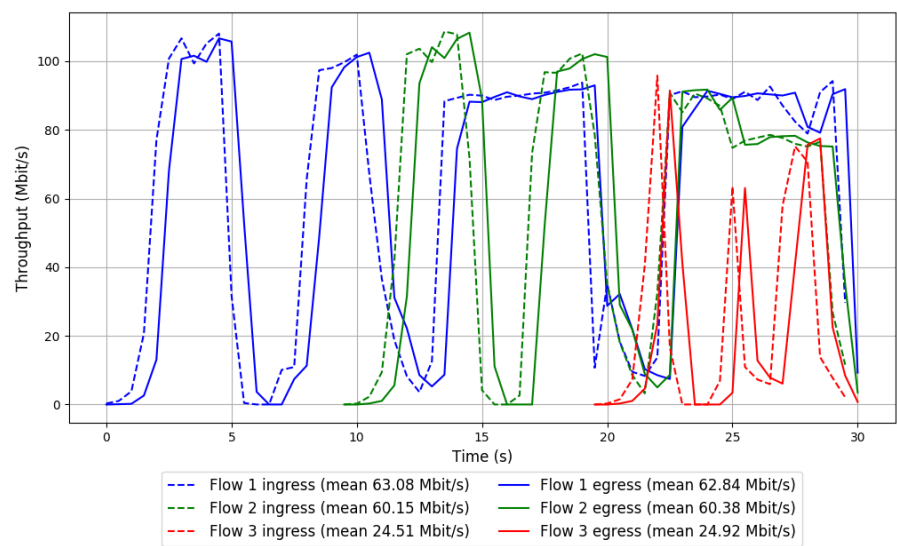
-- Flow 3:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 111.789 ms

Loss rate: 0.62%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 07:17:59

End at: 2018-06-30 07:18:29

Local clock offset: -0.366 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 113.66 Mbit/s

95th percentile per-packet one-way delay: 111.114 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 63.20 Mbit/s

95th percentile per-packet one-way delay: 111.138 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 59.38 Mbit/s

95th percentile per-packet one-way delay: 110.749 ms

Loss rate: 1.24%

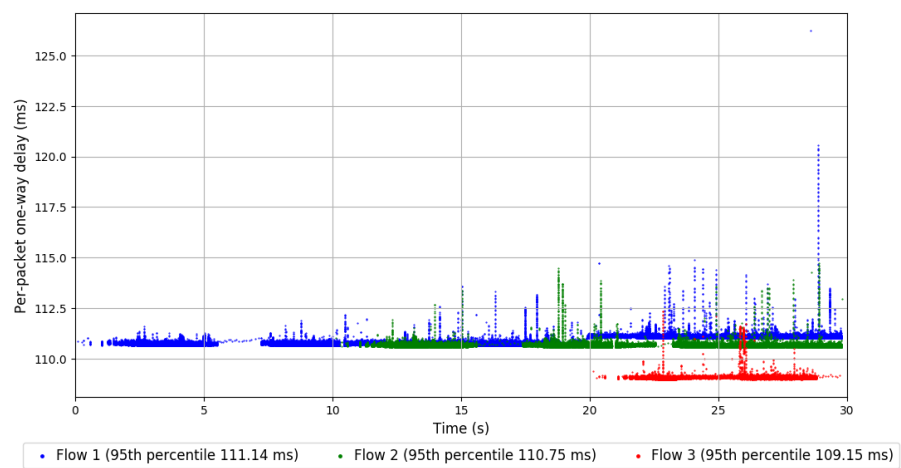
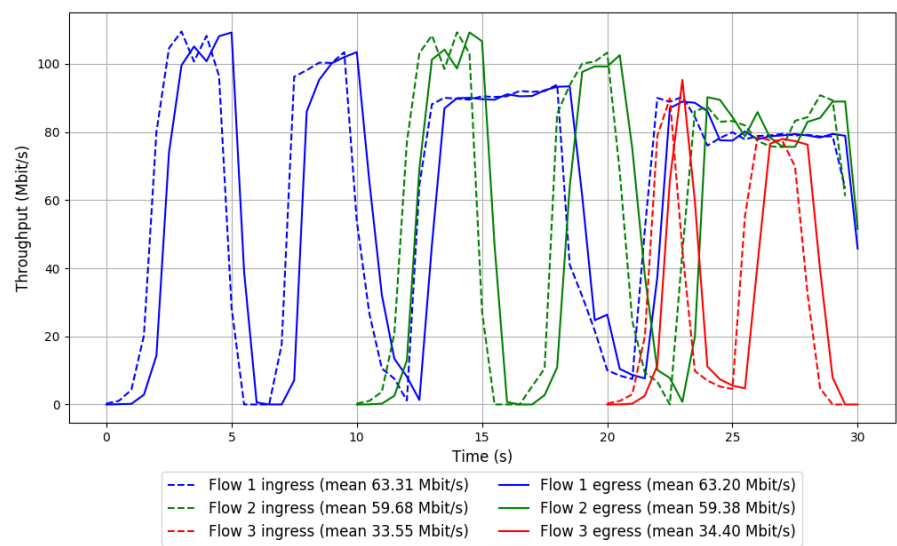
-- Flow 3:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 109.151 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 07:44:04

End at: 2018-06-30 07:44:34

Local clock offset: -0.069 ms

Remote clock offset: 0.409 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.23 Mbit/s

95th percentile per-packet one-way delay: 110.986 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 59.44 Mbit/s

95th percentile per-packet one-way delay: 110.998 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 62.40 Mbit/s

95th percentile per-packet one-way delay: 110.861 ms

Loss rate: 0.11%

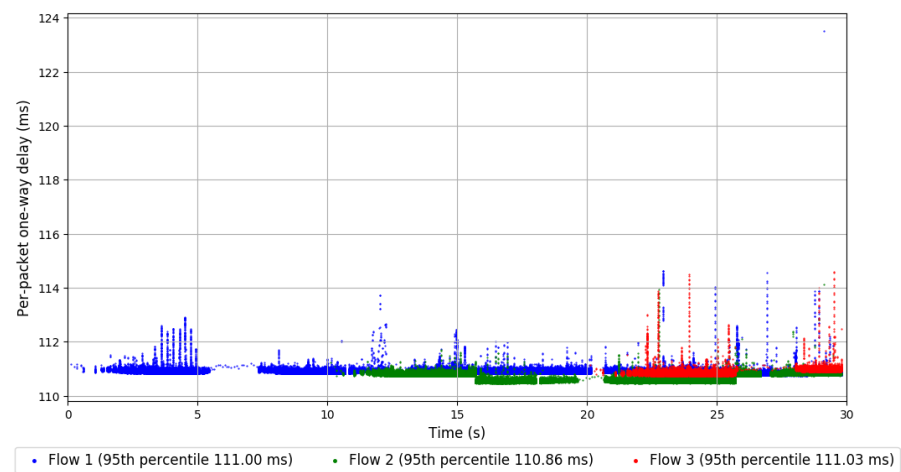
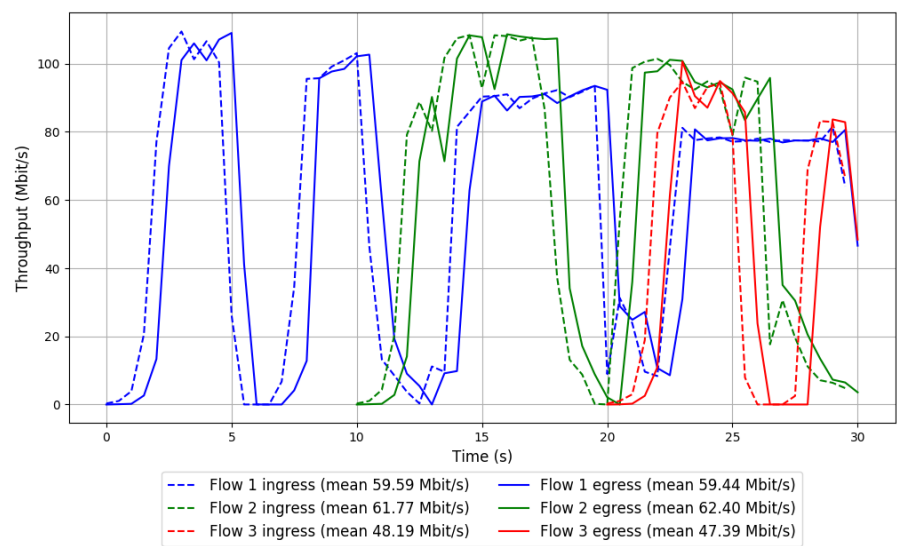
-- Flow 3:

Average throughput: 47.39 Mbit/s

95th percentile per-packet one-way delay: 111.030 ms

Loss rate: 3.88%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 08:09:51

End at: 2018-06-30 08:10:21

Local clock offset: 0.108 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.97 Mbit/s

95th percentile per-packet one-way delay: 111.206 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 64.24 Mbit/s

95th percentile per-packet one-way delay: 111.136 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 57.80 Mbit/s

95th percentile per-packet one-way delay: 111.268 ms

Loss rate: 1.41%

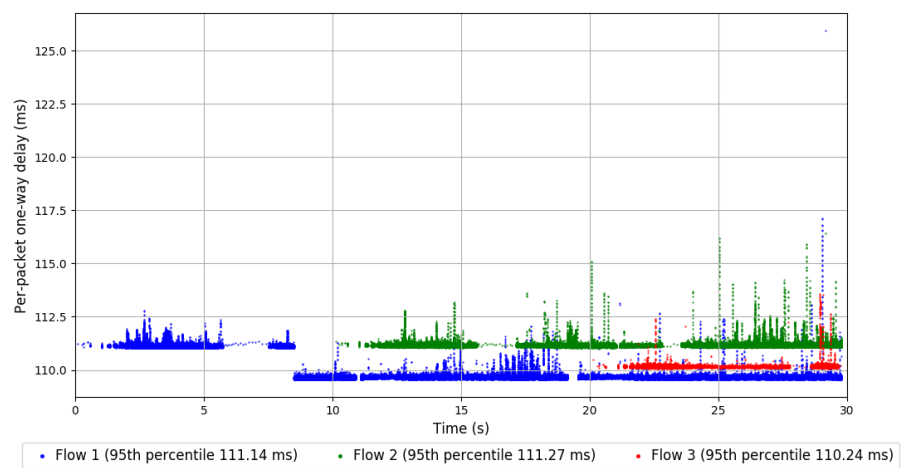
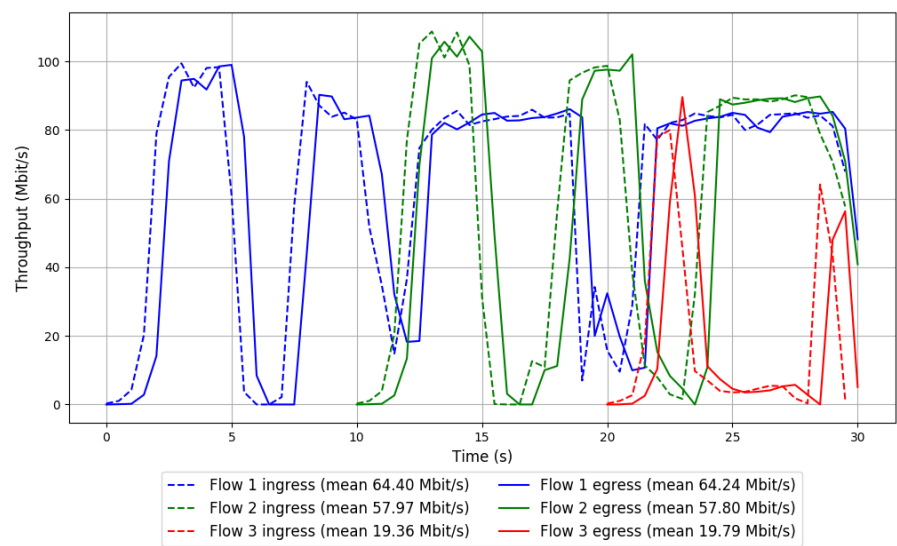
-- Flow 3:

Average throughput: 19.79 Mbit/s

95th percentile per-packet one-way delay: 110.237 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

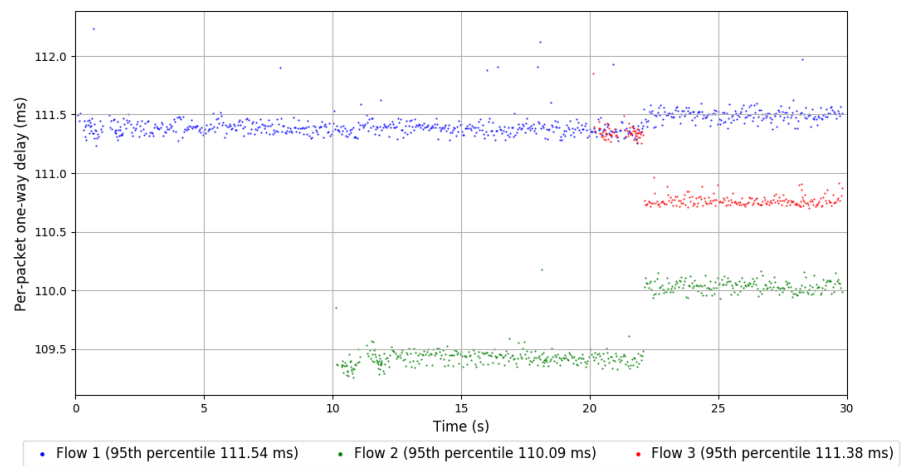
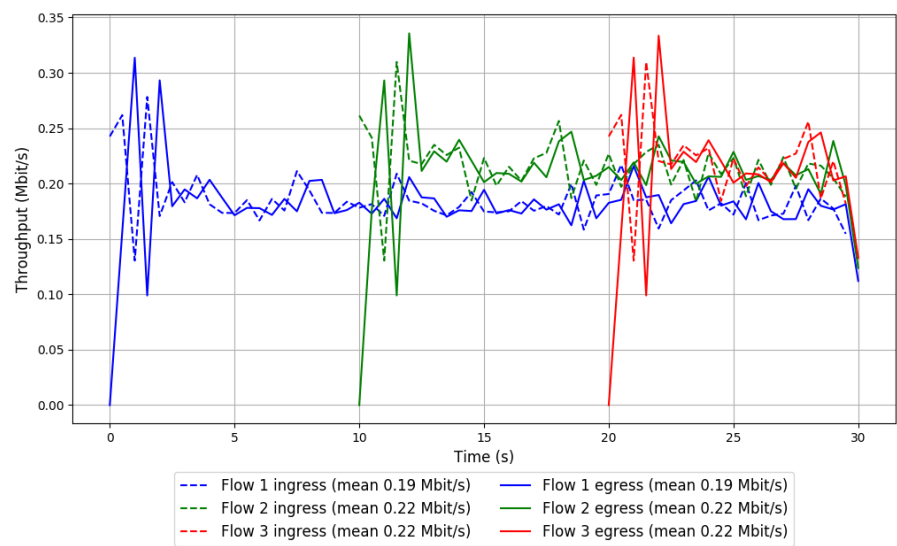


```
Run 1: Statistics of SReAM

Start at: 2018-06-30 04:29:07
End at: 2018-06-30 04:29:37
Local clock offset: -0.165 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-06-30 10:17:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.517 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.542 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.088 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.379 ms
Loss rate: 2.21%
```


Run 1: Report of SReAM — Data Link

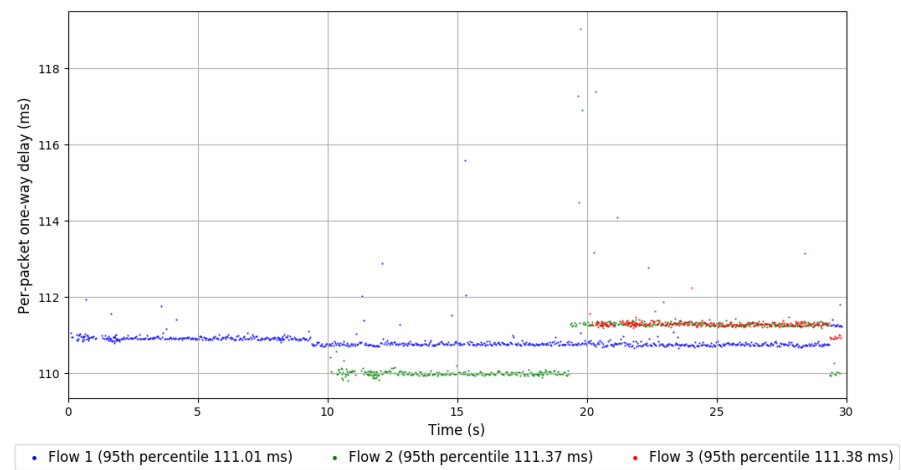
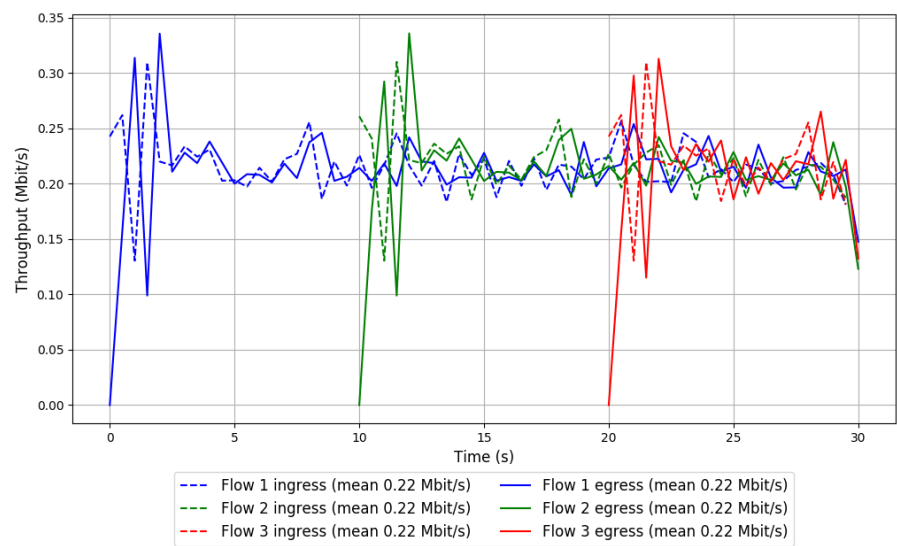


Run 2: Statistics of SReAM

Start at: 2018-06-30 04:54:50
End at: 2018-06-30 04:55:20
Local clock offset: -0.272 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-30 10:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.349 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.012 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.366 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.382 ms
Loss rate: 2.20%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-06-30 05:20:17

End at: 2018-06-30 05:20:47

Local clock offset: 1.167 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 113.642 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.783 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.473 ms

Loss rate: 1.24%

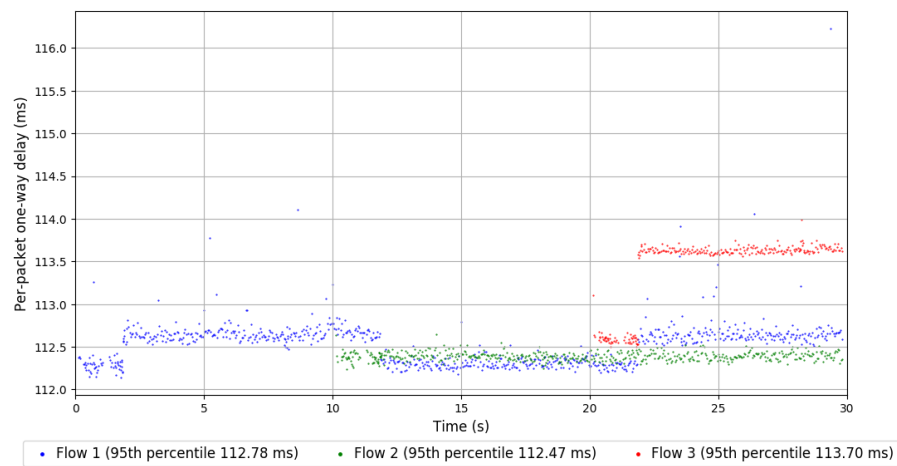
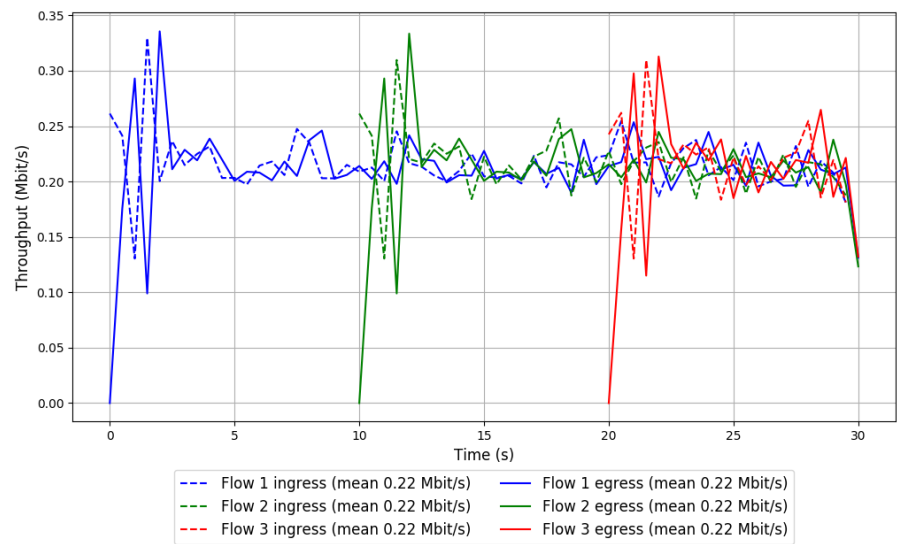
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 2.21%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-06-30 05:45:57

End at: 2018-06-30 05:46:27

Local clock offset: 1.216 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.254 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.034 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.326 ms

Loss rate: 1.24%

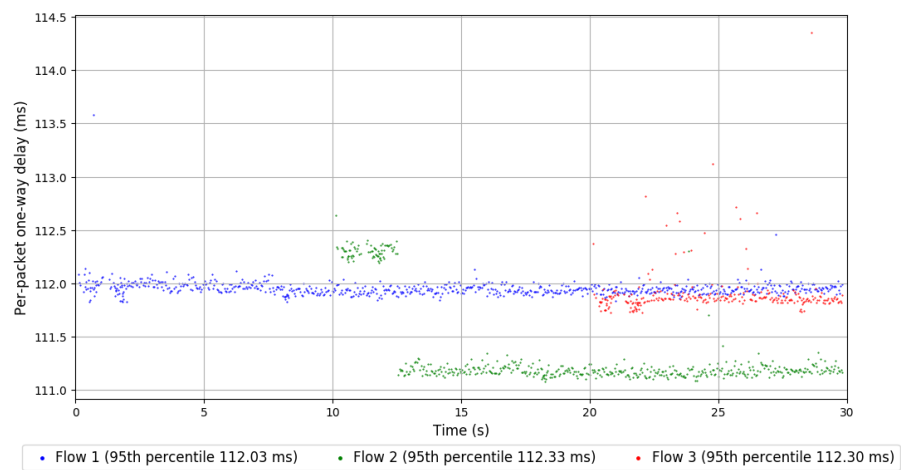
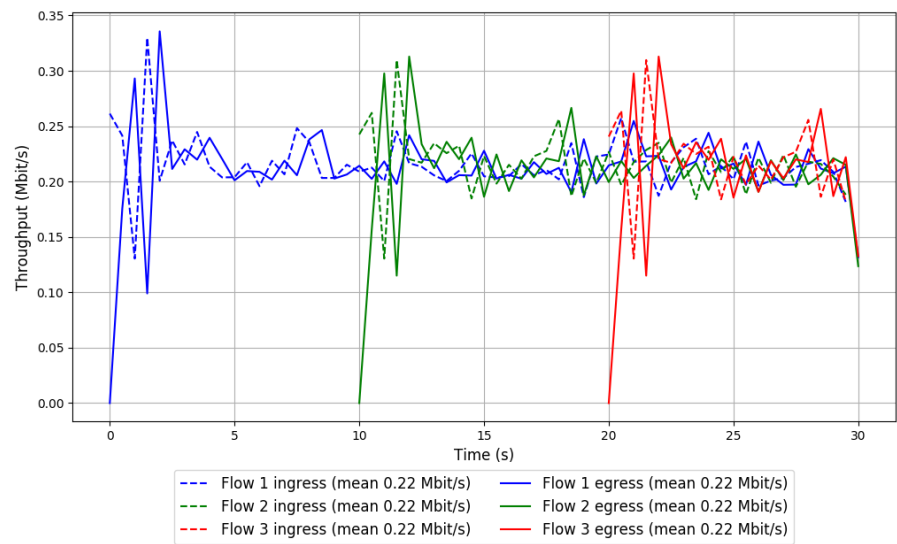
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.295 ms

Loss rate: 2.21%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-30 06:12:10

End at: 2018-06-30 06:12:40

Local clock offset: -0.226 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.265 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.284 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.996 ms

Loss rate: 1.24%

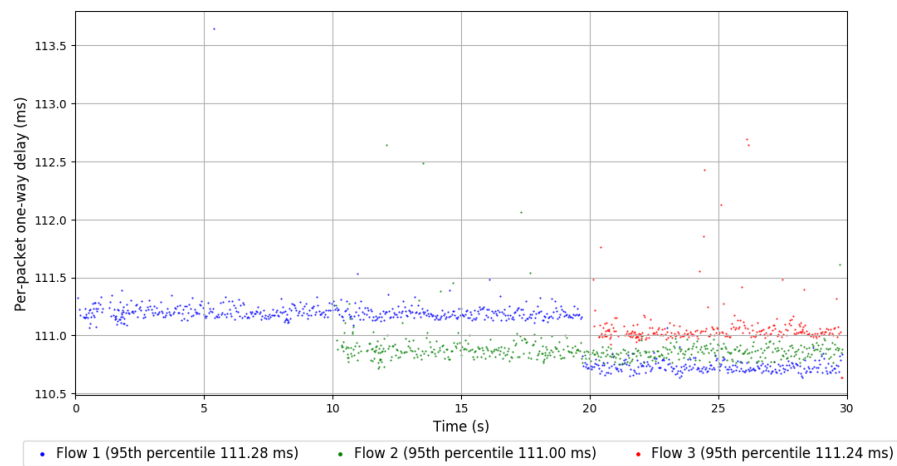
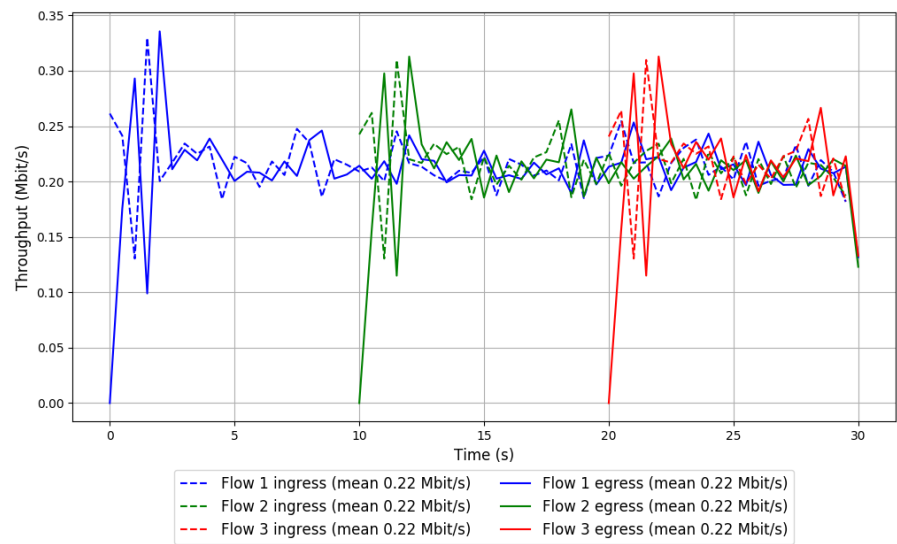
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.244 ms

Loss rate: 2.21%

Run 5: Report of SCRaM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-06-30 06:37:45

End at: 2018-06-30 06:38:15

Local clock offset: -1.453 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 110.436 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.185 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.185 ms

Loss rate: 1.24%

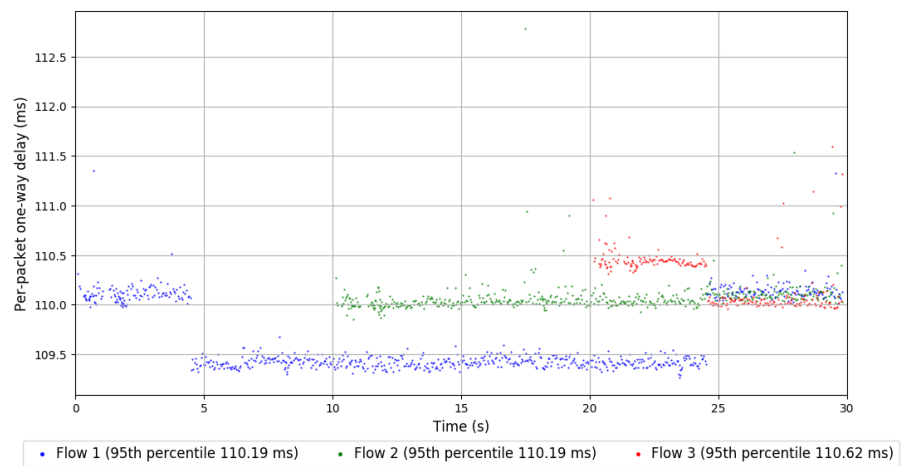
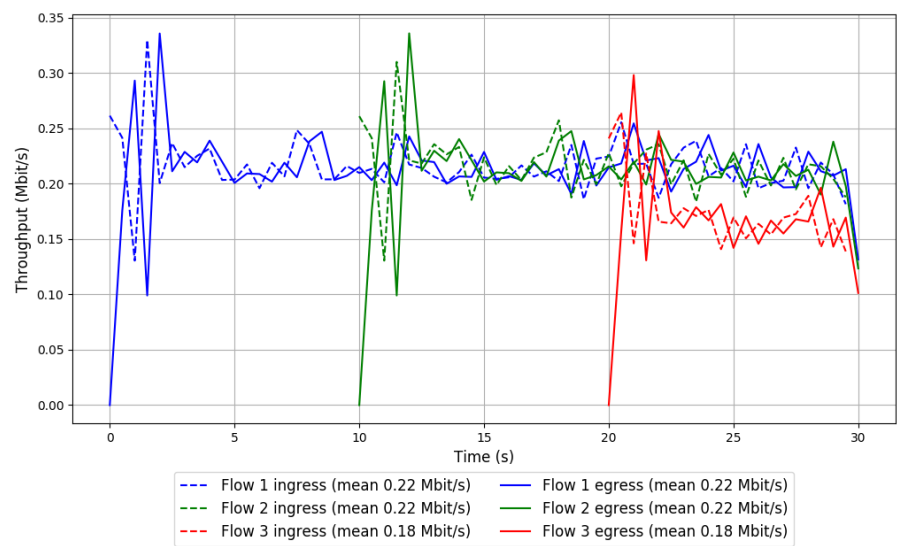
-- Flow 3:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 110.618 ms

Loss rate: 2.12%

Run 6: Report of SReAM — Data Link

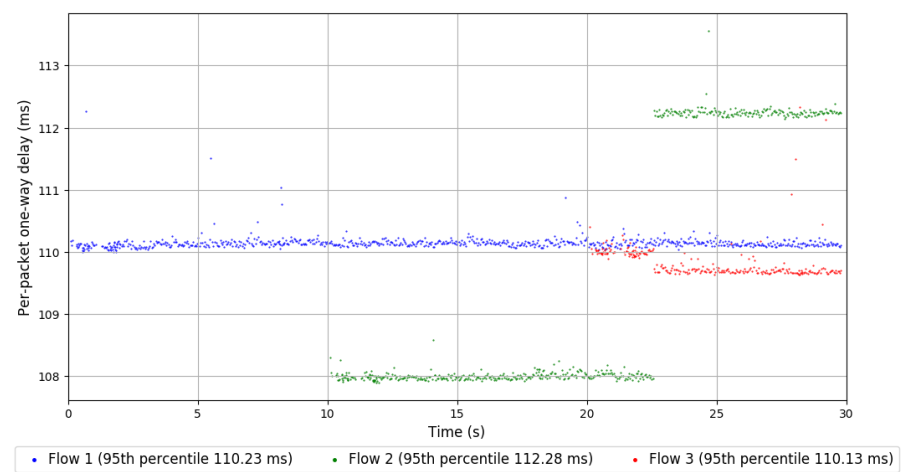
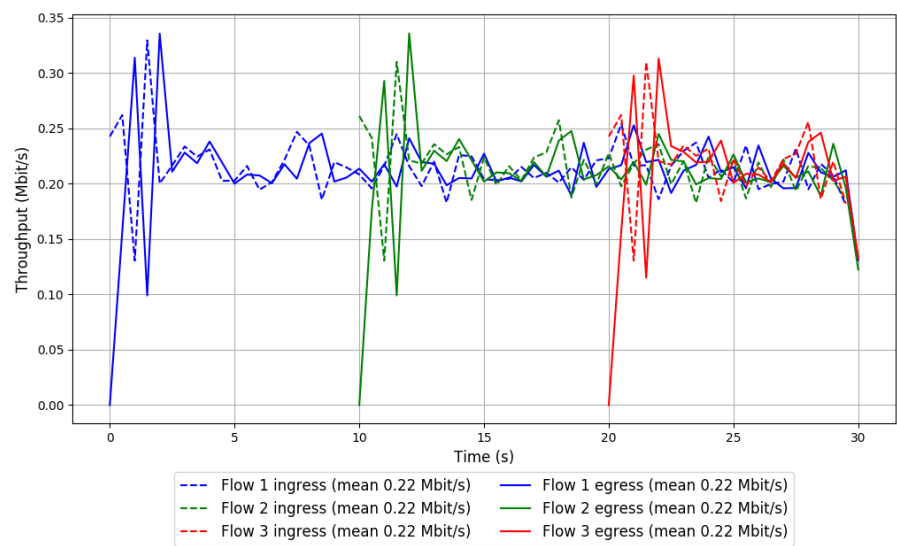


Run 7: Statistics of SReAM

Start at: 2018-06-30 07:03:37
End at: 2018-06-30 07:04:07
Local clock offset: -1.552 ms
Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-30 10:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.248 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.231 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.281 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.129 ms
Loss rate: 2.21%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-06-30 07:29:42

End at: 2018-06-30 07:30:12

Local clock offset: 0.011 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 111.736 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.535 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.767 ms

Loss rate: 1.25%

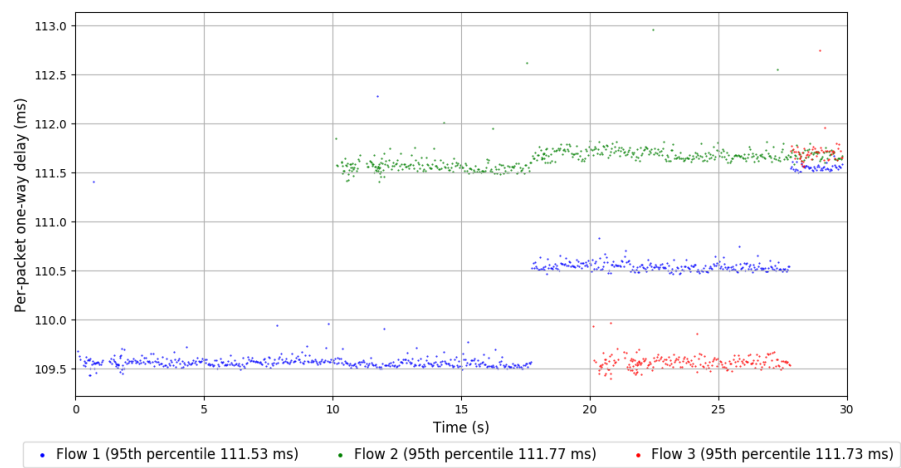
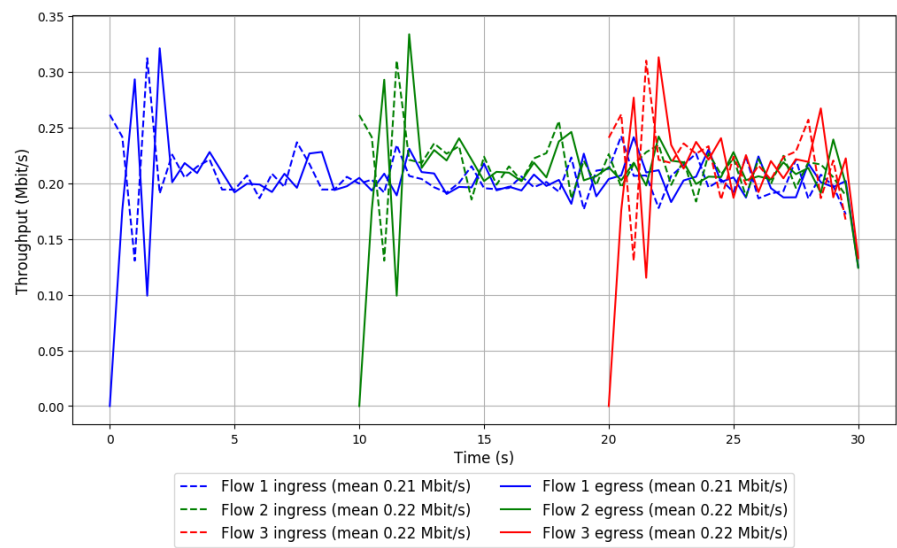
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.732 ms

Loss rate: 1.86%

Run 8: Report of SReAM — Data Link

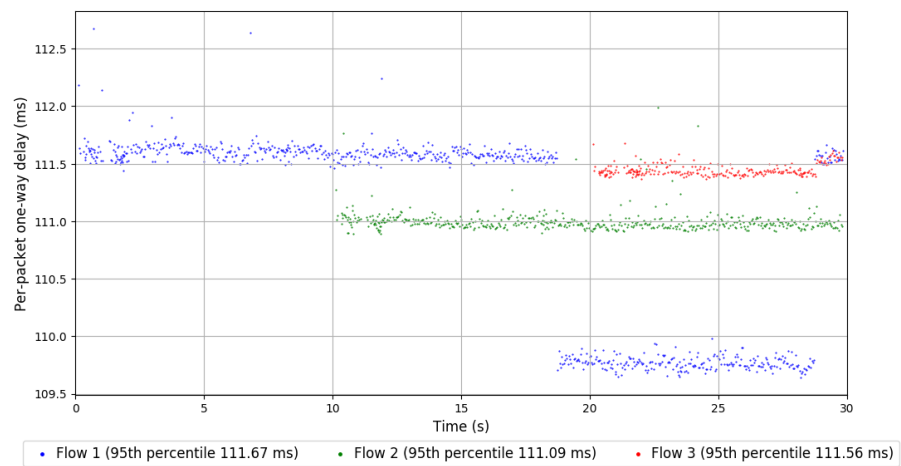
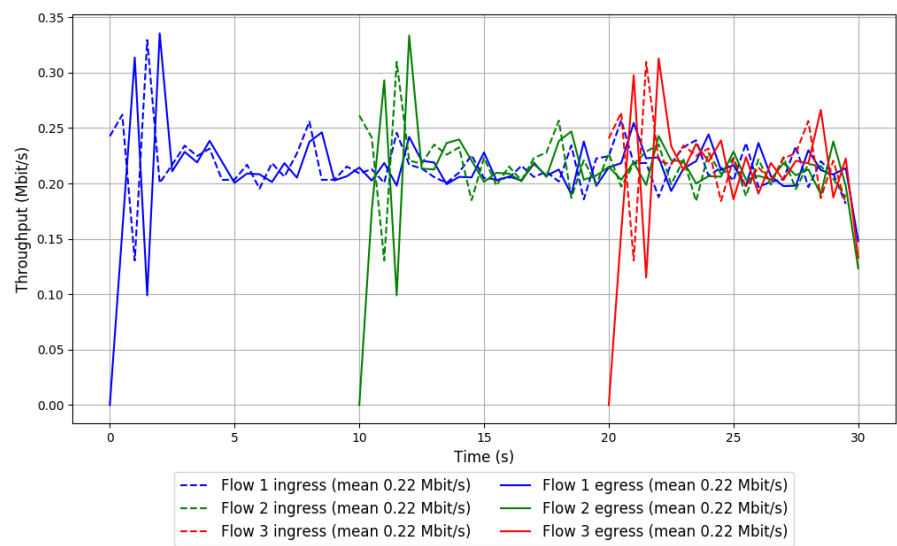


Run 9: Statistics of SReAM

Start at: 2018-06-30 07:55:31
End at: 2018-06-30 07:56:01
Local clock offset: 0.042 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-30 10:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.653 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.671 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.091 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.555 ms
Loss rate: 2.21%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-30 08:21:28

End at: 2018-06-30 08:21:58

Local clock offset: -0.1 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.358 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.378 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.645 ms

Loss rate: 1.25%

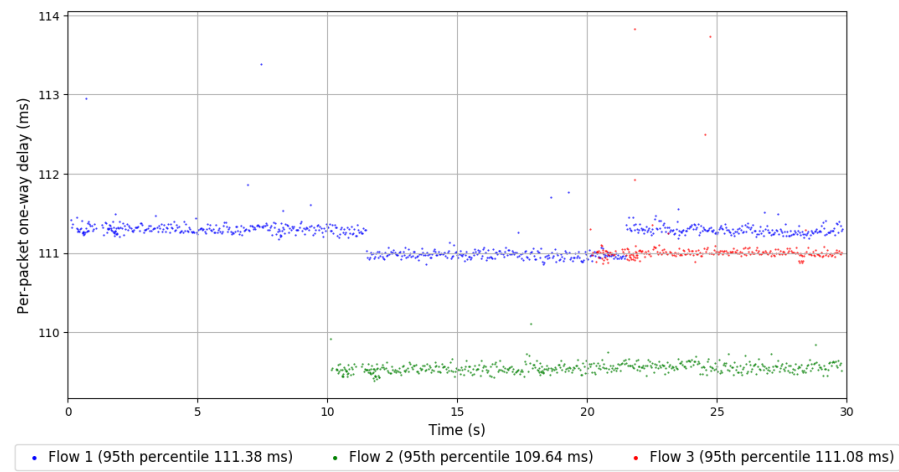
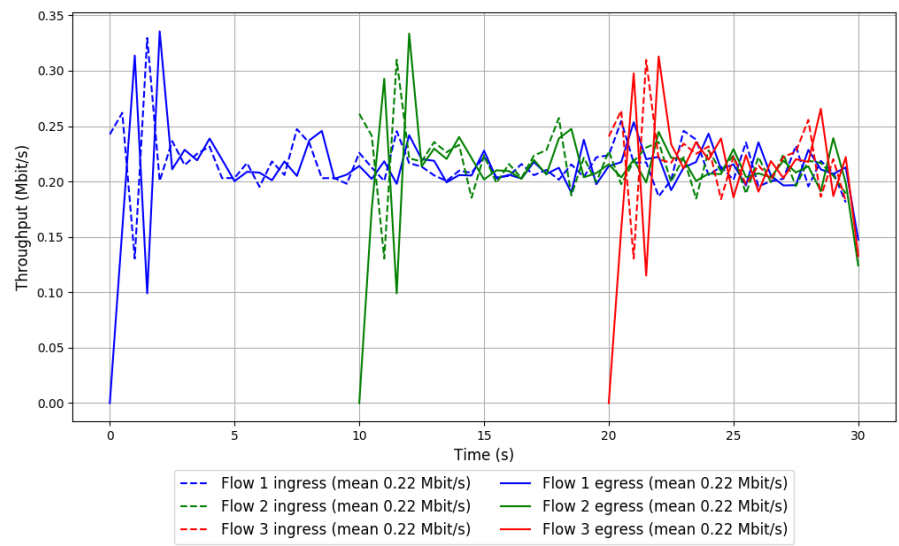
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.082 ms

Loss rate: 2.21%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-30 04:27:54

End at: 2018-06-30 04:28:24

Local clock offset: 0.111 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 111.681 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.691 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.683 ms

Loss rate: 0.54%

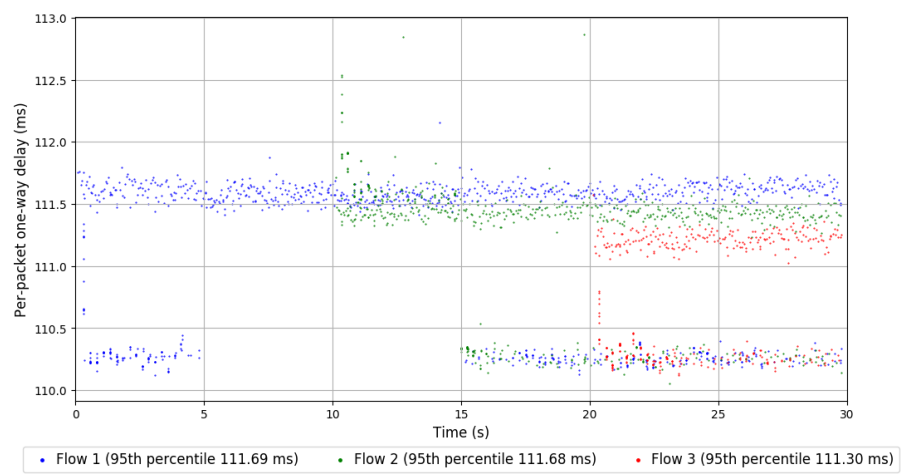
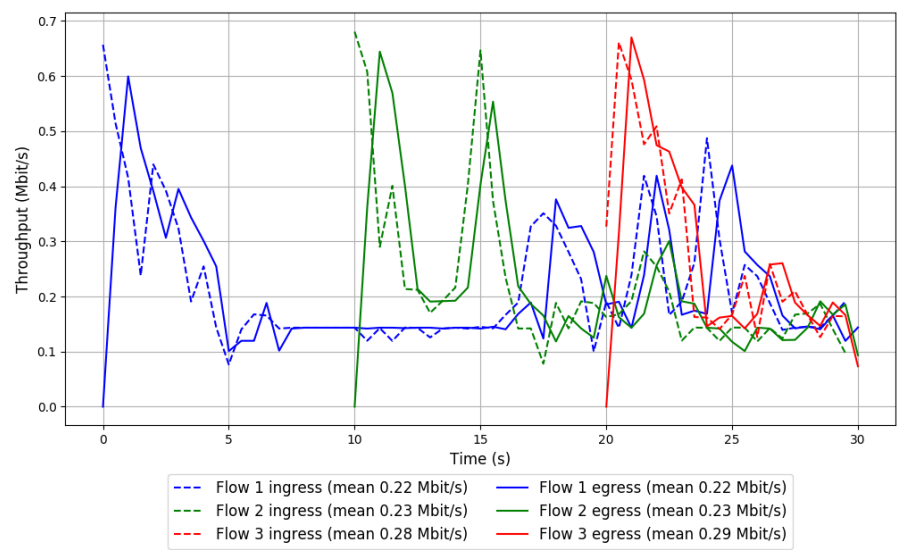
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 111.299 ms

Loss rate: 1.67%

Run 1: Report of Sprout — Data Link

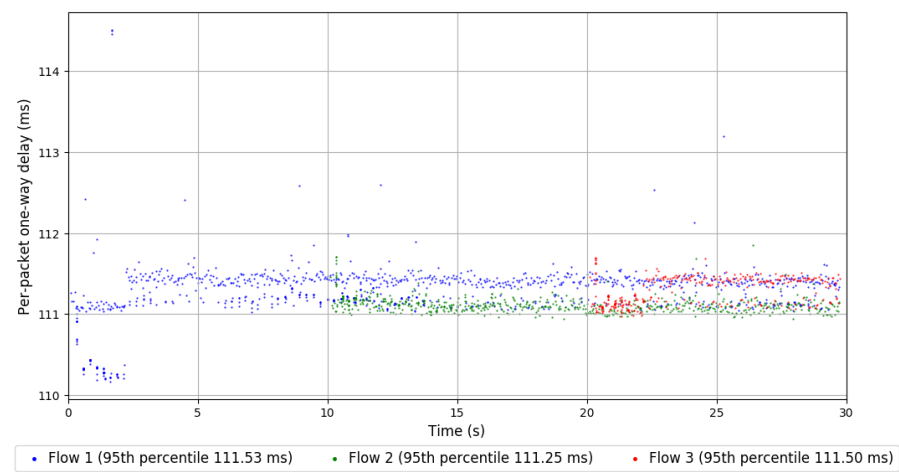
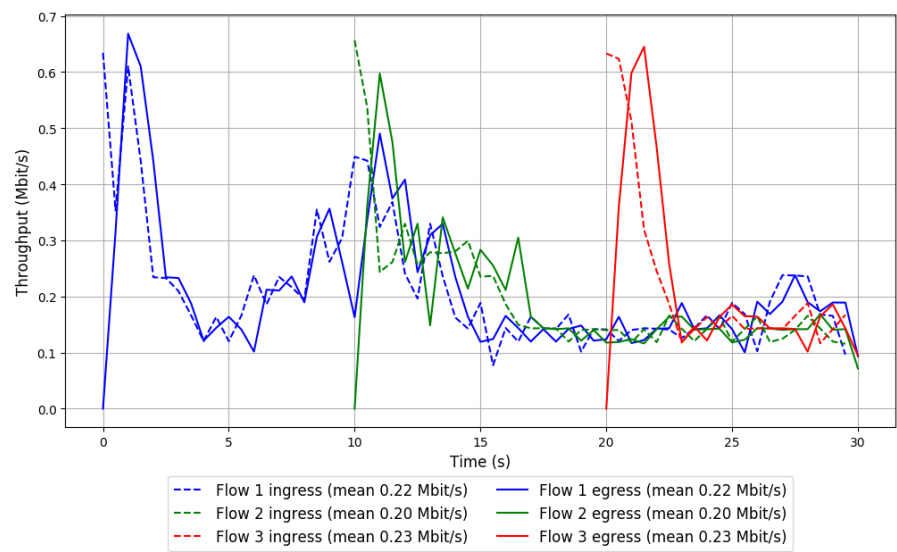


Run 2: Statistics of Sprout

Start at: 2018-06-30 04:53:37
End at: 2018-06-30 04:54:07
Local clock offset: -0.479 ms
Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-06-30 10:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.535 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.249 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 2.00%

Run 2: Report of Sprout — Data Link

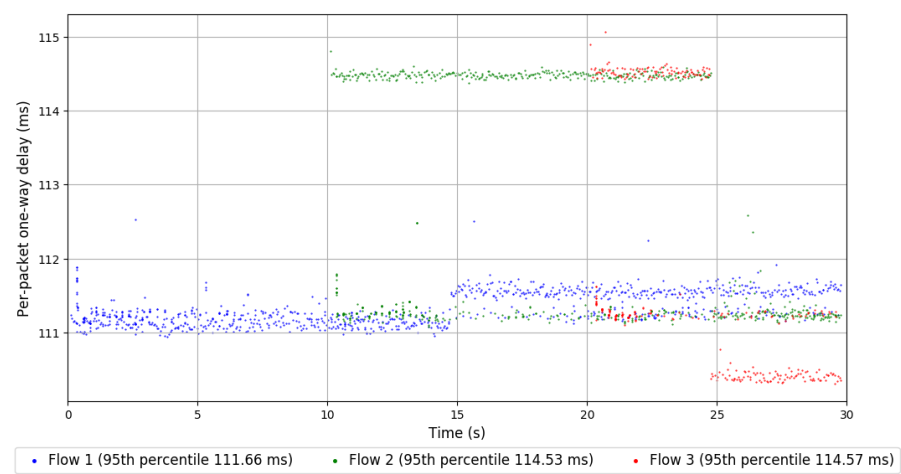
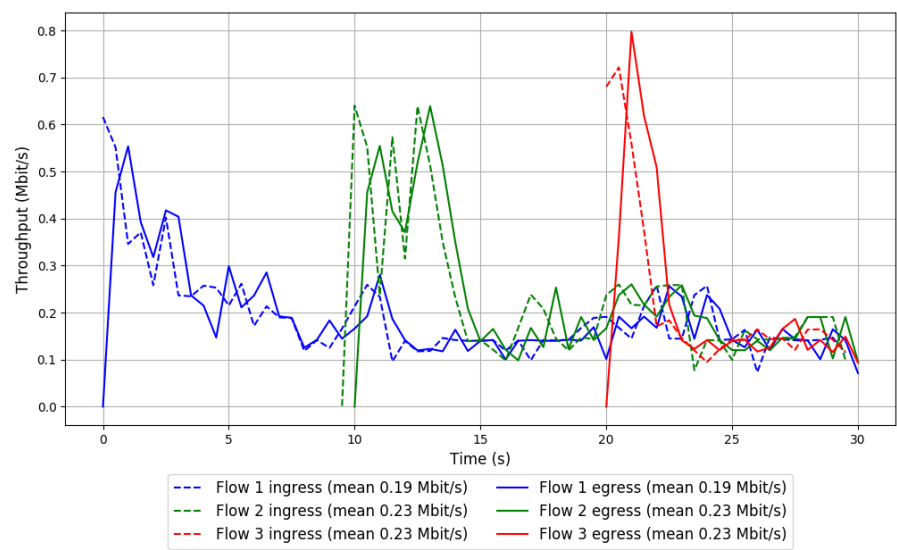


Run 3: Statistics of Sprout

Start at: 2018-06-30 05:19:05
End at: 2018-06-30 05:19:35
Local clock offset: -0.038 ms
Remote clock offset: 0.001 ms

```
# Below is generated by plot.py at 2018-06-30 10:17:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.520 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.658 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 114.528 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 114.573 ms
Loss rate: 1.95%
```


Run 3: Report of Sprout — Data Link

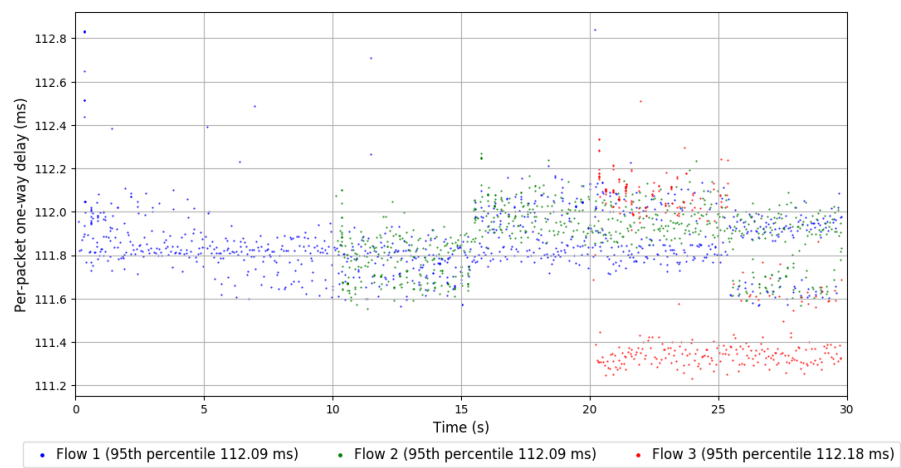
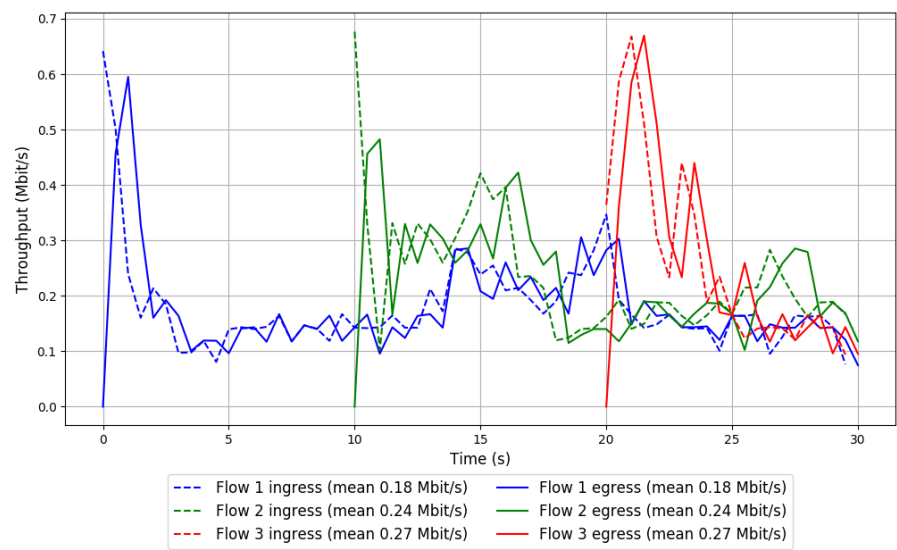


Run 4: Statistics of Sprout

Start at: 2018-06-30 05:44:44
End at: 2018-06-30 05:45:14
Local clock offset: 0.067 ms
Remote clock offset: -0.403 ms

```
# Below is generated by plot.py at 2018-06-30 10:17:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.114 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.089 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.086 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 112.177 ms
Loss rate: 0.91%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-30 06:10:57

End at: 2018-06-30 06:11:27

Local clock offset: 0.206 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

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

Loss rate: 0.96%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.729 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 111.793 ms

Loss rate: 0.96%

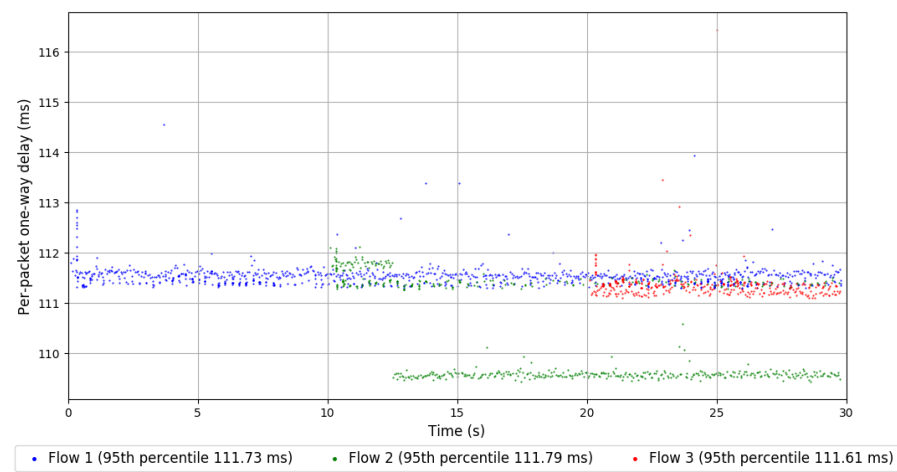
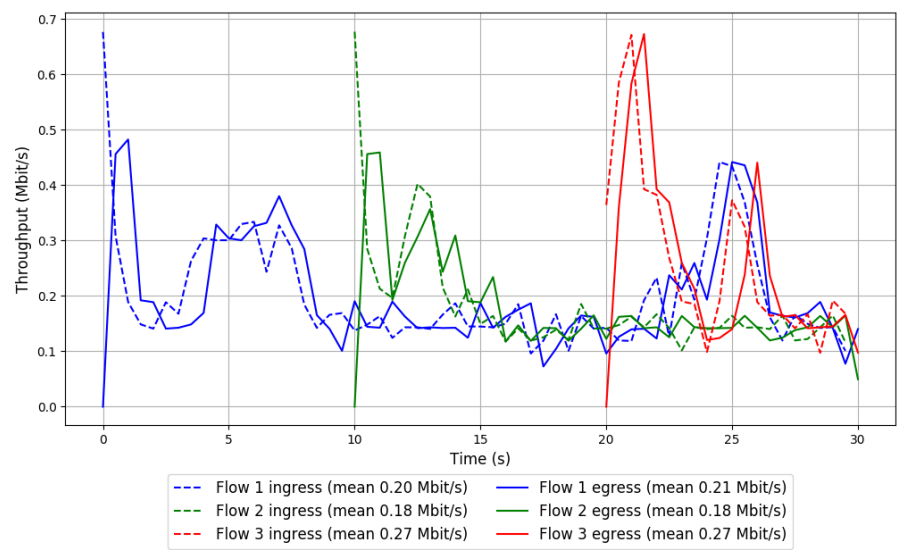
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 111.612 ms

Loss rate: 2.63%

Run 5: Report of Sprout — Data Link

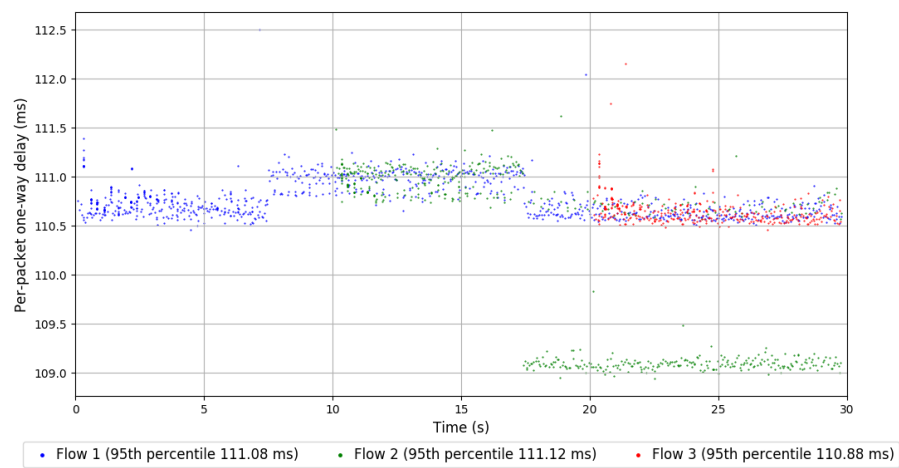
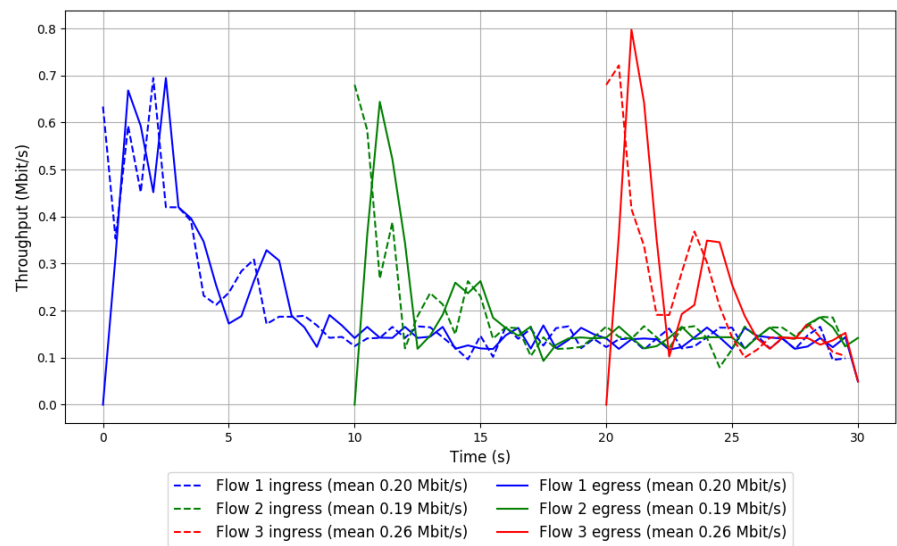


Run 6: Statistics of Sprout

Start at: 2018-06-30 06:36:32
End at: 2018-06-30 06:37:02
Local clock offset: -0.077 ms
Remote clock offset: 0.493 ms

```
# Below is generated by plot.py at 2018-06-30 10:17:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.102 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.085 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.124 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 110.881 ms
Loss rate: 1.36%
```

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-30 07:02:24

End at: 2018-06-30 07:02:54

Local clock offset: 1.157 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 112.875 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 112.864 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 112.825 ms

Loss rate: 0.53%

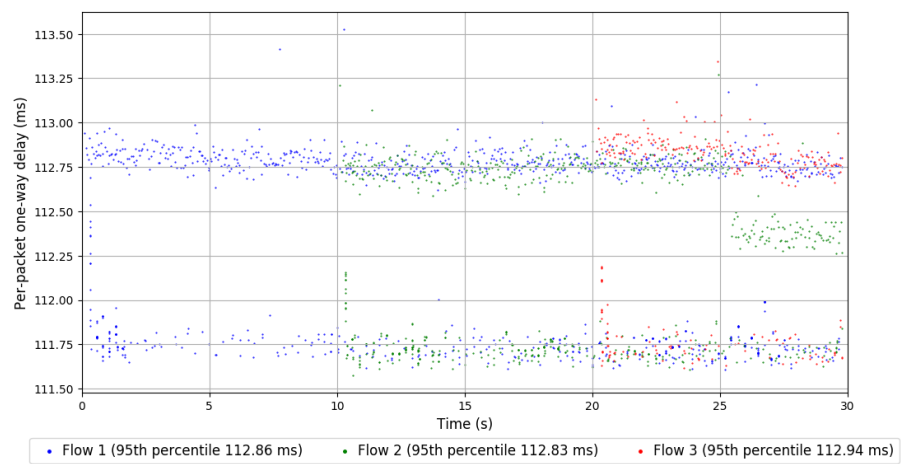
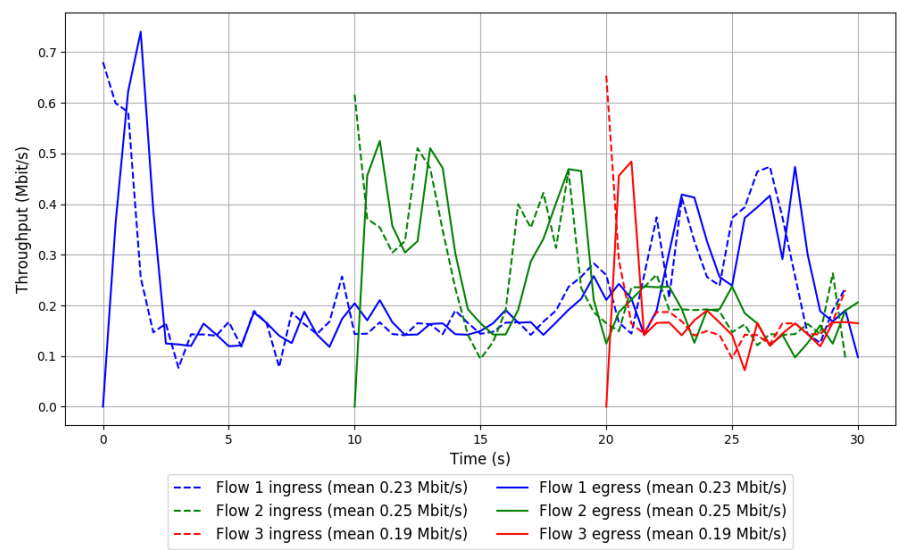
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.939 ms

Loss rate: 2.46%

Run 7: Report of Sprout — Data Link

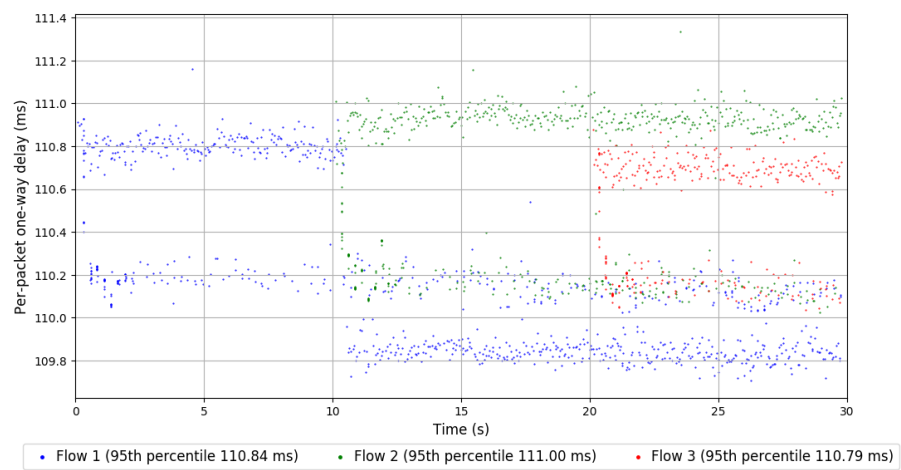
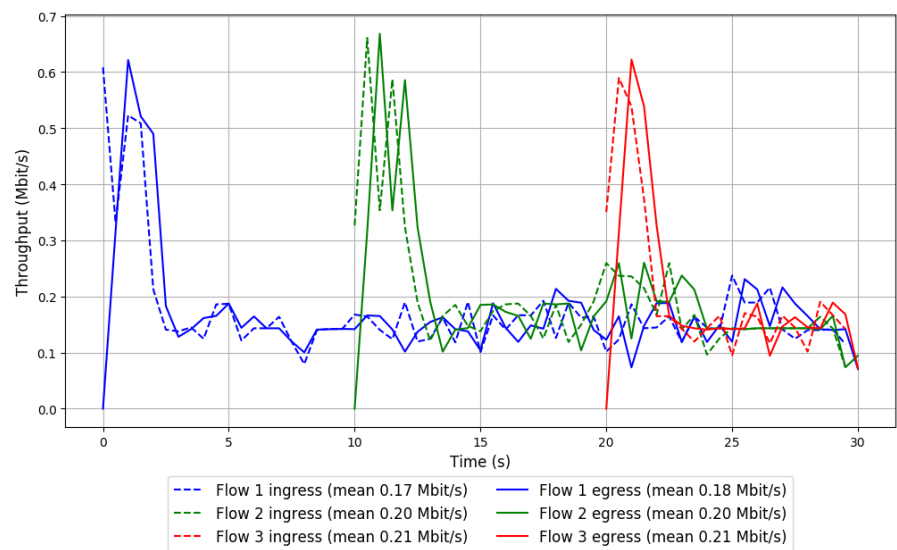


Run 8: Statistics of Sprout

Start at: 2018-06-30 07:28:29
End at: 2018-06-30 07:28:59
Local clock offset: -0.007 ms
Remote clock offset: 0.443 ms

```
# Below is generated by plot.py at 2018-06-30 10:17:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 110.961 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 110.840 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.001 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.789 ms
Loss rate: 1.73%
```

Run 8: Report of Sprout — Data Link

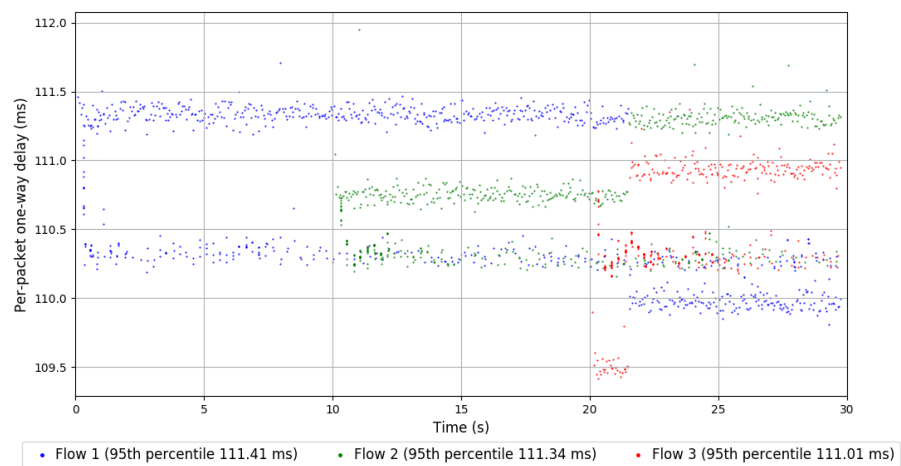
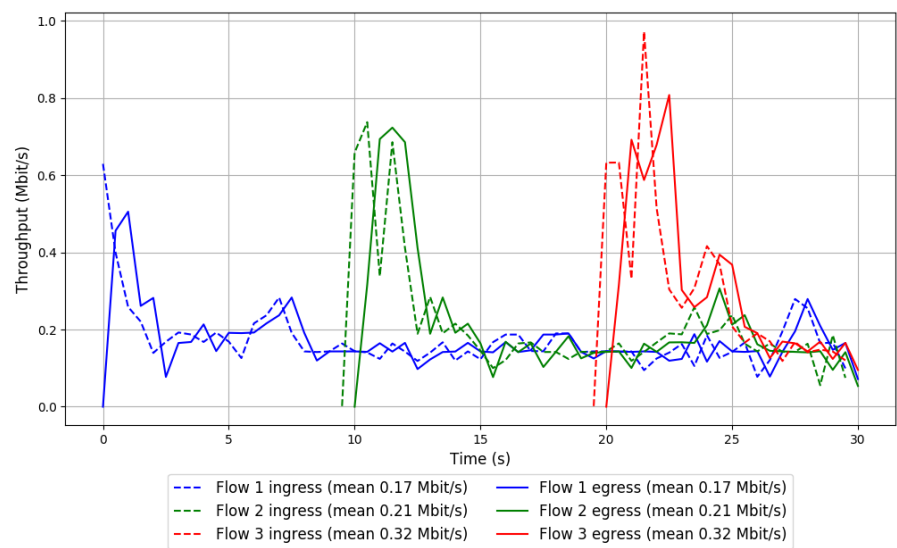


Run 9: Statistics of Sprout

Start at: 2018-06-30 07:54:18
End at: 2018-06-30 07:54:48
Local clock offset: -0.204 ms
Remote clock offset: -0.049 ms

```
# Below is generated by plot.py at 2018-06-30 10:17:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.385 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 111.408 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.344 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 111.008 ms
Loss rate: 1.10%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-30 08:20:15

End at: 2018-06-30 08:20:45

Local clock offset: 1.44 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-06-30 10:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 112.985 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 112.968 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 113.016 ms

Loss rate: 0.71%

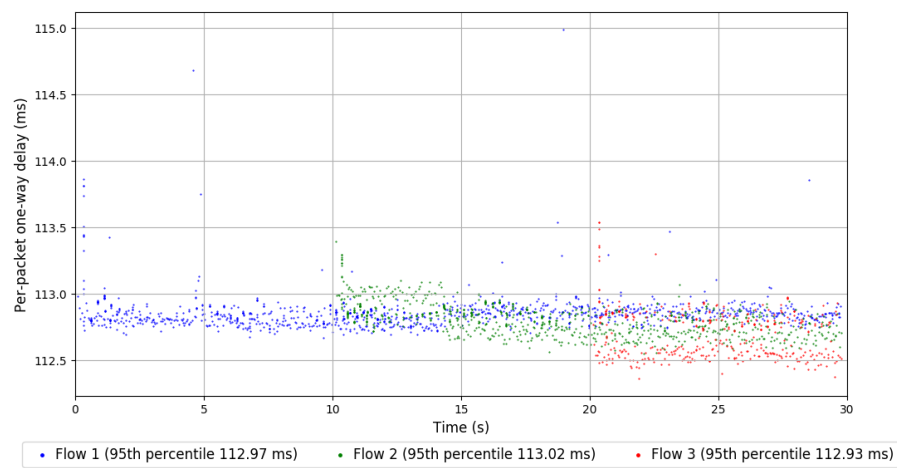
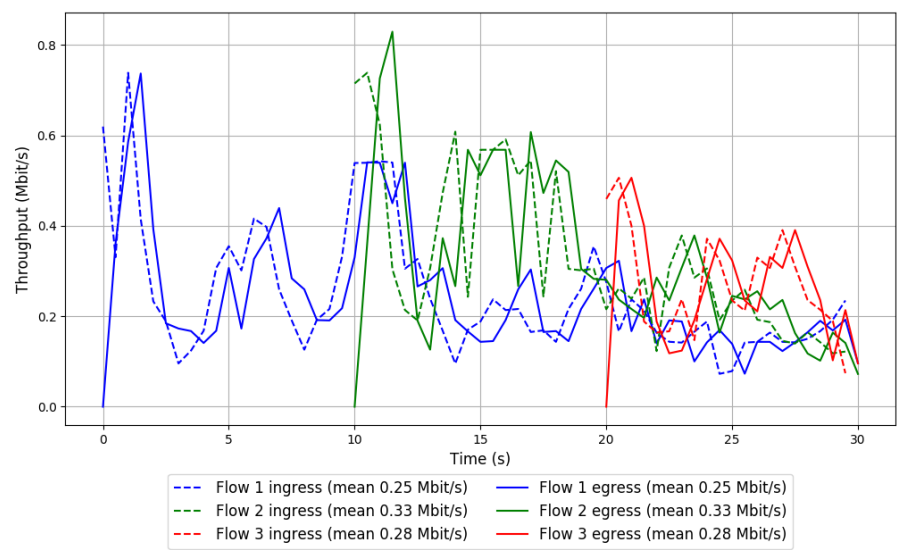
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 112.933 ms

Loss rate: 1.27%

Run 10: Report of Sprout — Data Link

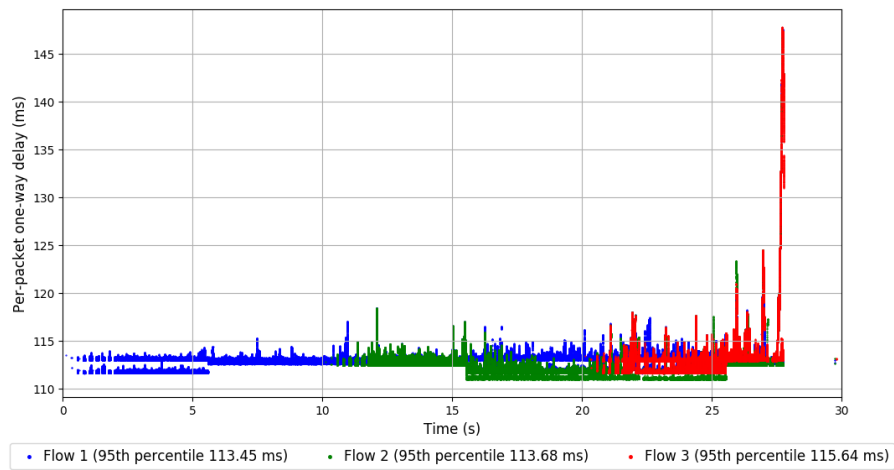
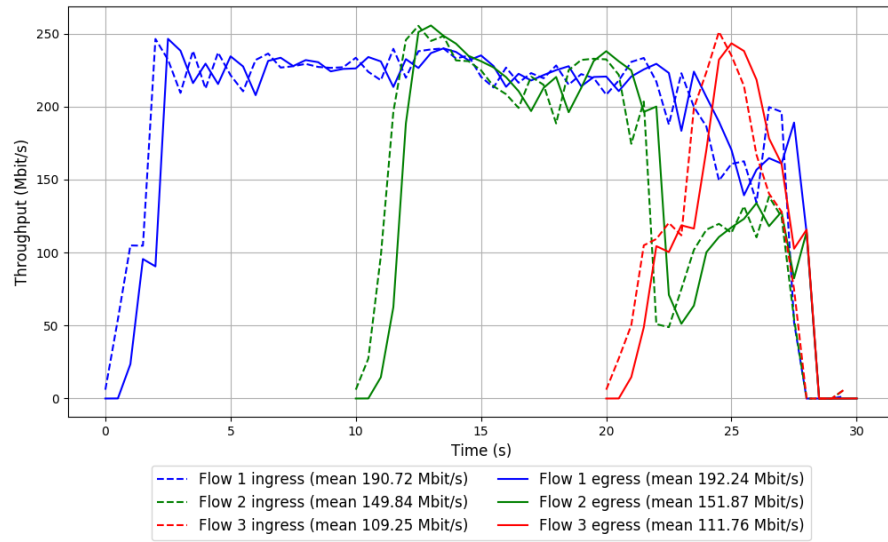


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 04:31:54
End at: 2018-06-30 04:32:24
Local clock offset: 1.305 ms
Remote clock offset: -0.363 ms

# Below is generated by plot.py at 2018-06-30 10:24:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.68 Mbit/s
95th percentile per-packet one-way delay: 113.701 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 192.24 Mbit/s
95th percentile per-packet one-way delay: 113.455 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 151.87 Mbit/s
95th percentile per-packet one-way delay: 113.681 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 111.76 Mbit/s
95th percentile per-packet one-way delay: 115.635 ms
Loss rate: 0.28%
```


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

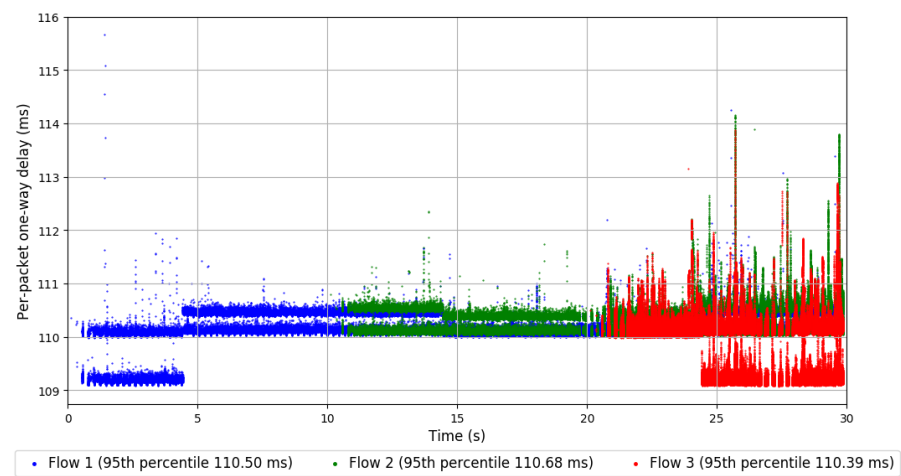
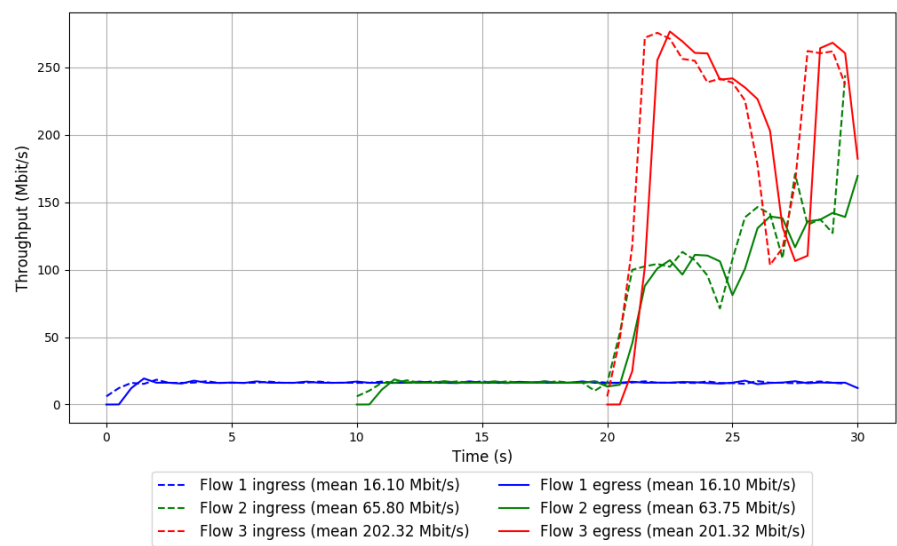


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 04:57:35
End at: 2018-06-30 04:58:05
Local clock offset: -1.316 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-06-30 10:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.29 Mbit/s
95th percentile per-packet one-way delay: 110.613 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 110.502 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 110.677 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 201.32 Mbit/s
95th percentile per-packet one-way delay: 110.390 ms
Loss rate: 2.73%

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

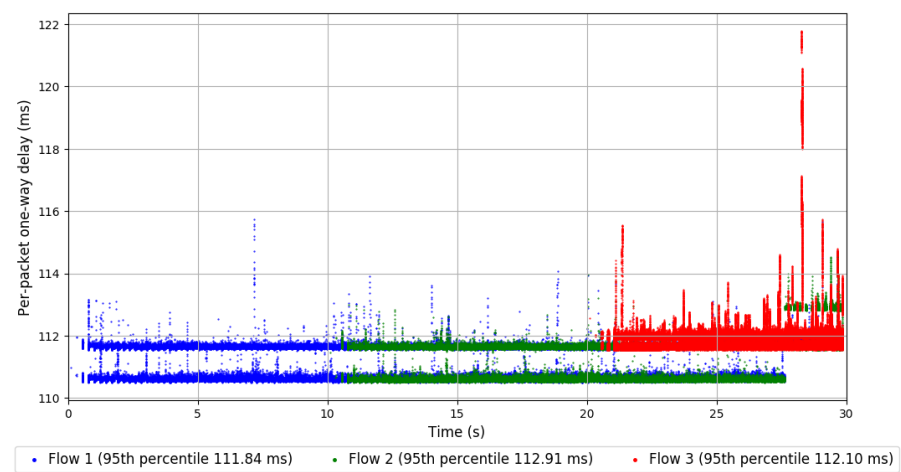
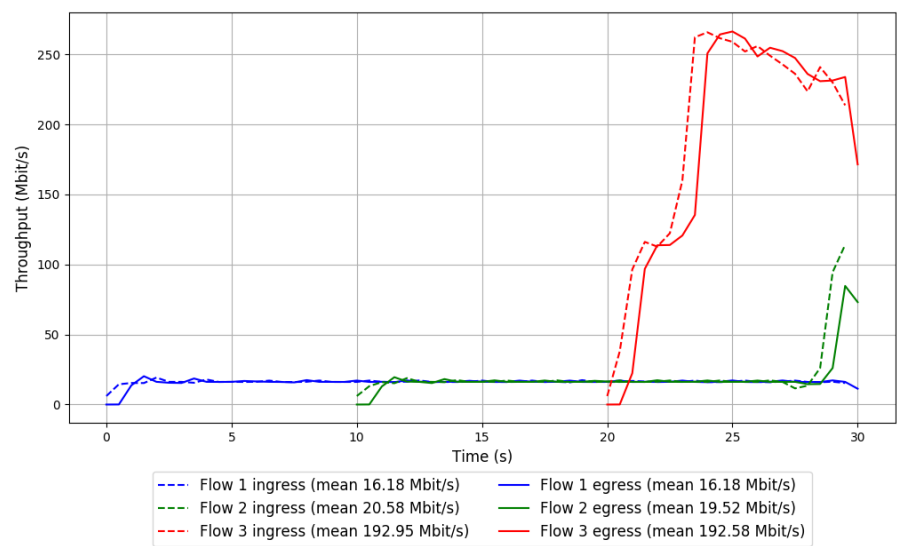


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 05:23:02
End at: 2018-06-30 05:23:32
Local clock offset: 0.154 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-06-30 10:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 112.117 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 111.842 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 112.913 ms
Loss rate: 6.17%
-- Flow 3:
Average throughput: 192.58 Mbit/s
95th percentile per-packet one-way delay: 112.098 ms
Loss rate: 2.40%

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

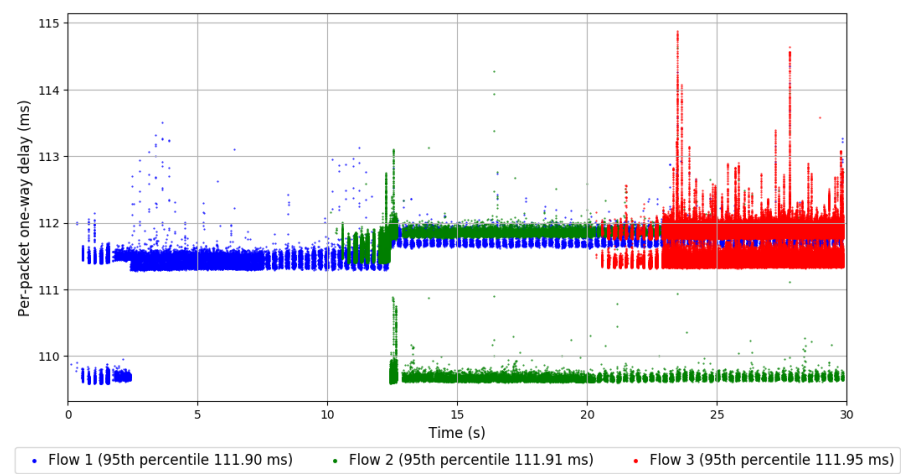
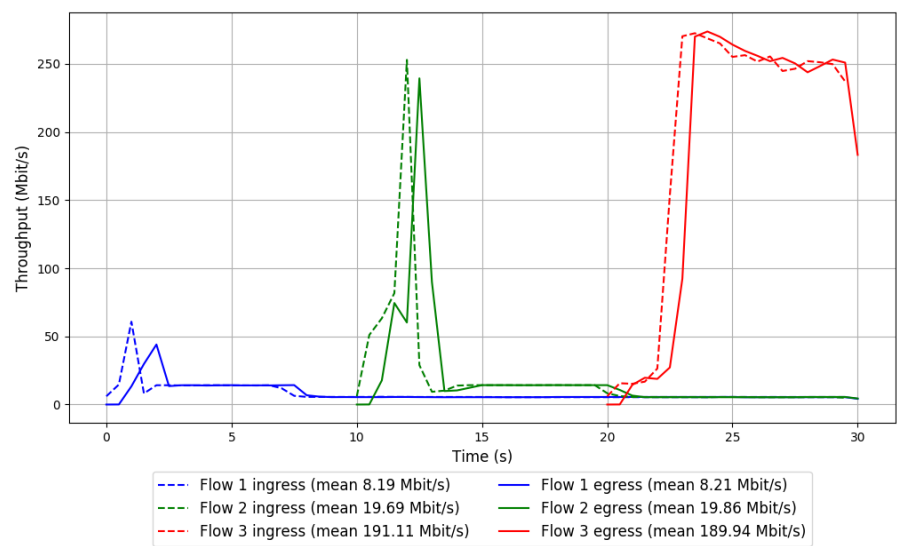


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 05:48:47
End at: 2018-06-30 05:49:17
Local clock offset: 0.051 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-06-30 10:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 111.943 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 111.901 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 19.86 Mbit/s
95th percentile per-packet one-way delay: 111.908 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 189.94 Mbit/s
95th percentile per-packet one-way delay: 111.952 ms
Loss rate: 2.85%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 06:15:01

End at: 2018-06-30 06:15:31

Local clock offset: 1.314 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-30 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 362.22 Mbit/s

95th percentile per-packet one-way delay: 114.082 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 198.51 Mbit/s

95th percentile per-packet one-way delay: 113.326 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 171.73 Mbit/s

95th percentile per-packet one-way delay: 114.486 ms

Loss rate: 0.39%

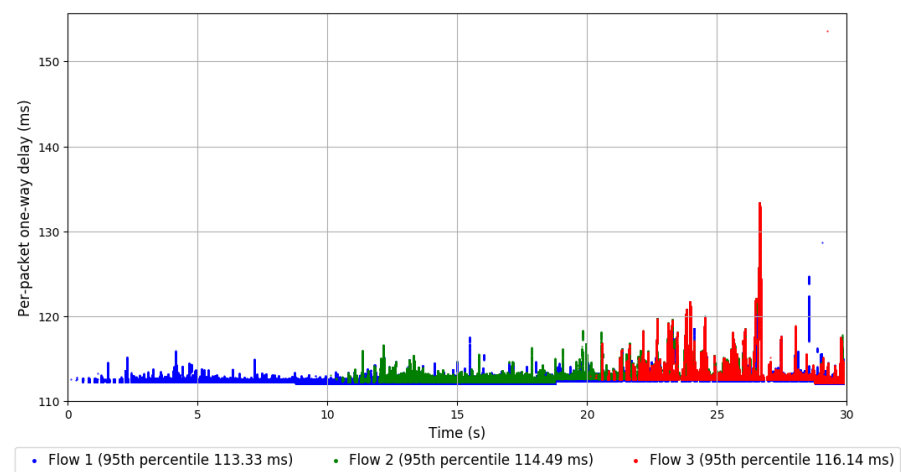
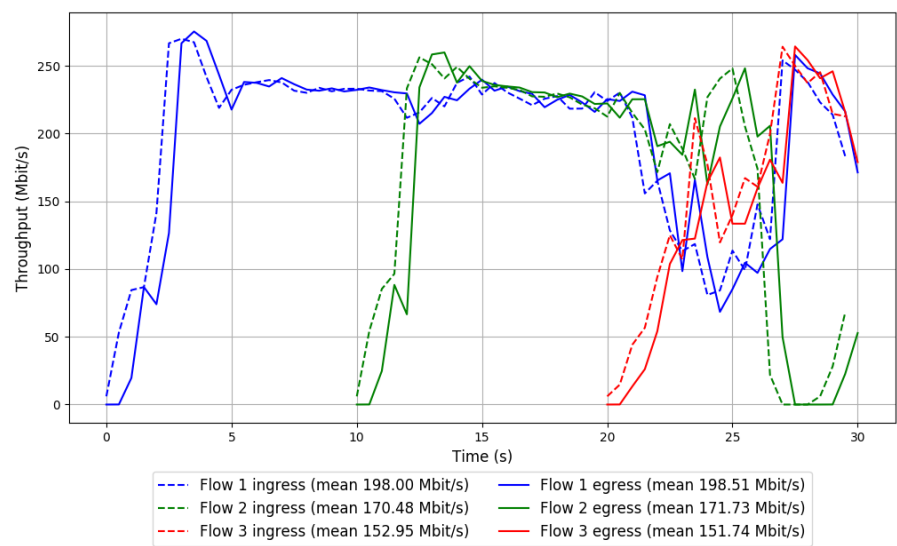
-- Flow 3:

Average throughput: 151.74 Mbit/s

95th percentile per-packet one-way delay: 116.143 ms

Loss rate: 2.91%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 06:40:29

End at: 2018-06-30 06:40:59

Local clock offset: -0.03 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-06-30 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.84 Mbit/s

95th percentile per-packet one-way delay: 117.320 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 205.51 Mbit/s

95th percentile per-packet one-way delay: 116.155 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 113.926 ms

Loss rate: 0.08%

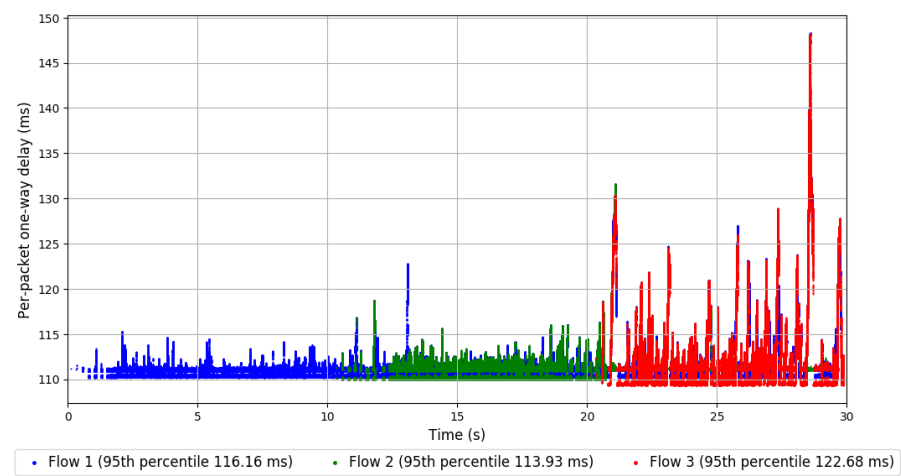
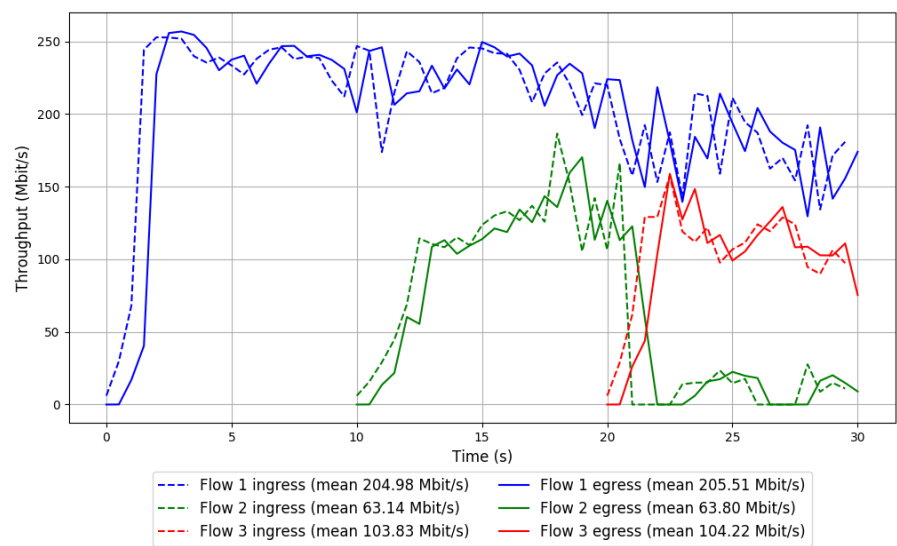
-- Flow 3:

Average throughput: 104.22 Mbit/s

95th percentile per-packet one-way delay: 122.676 ms

Loss rate: 1.85%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 07:06:23

End at: 2018-06-30 07:06:53

Local clock offset: 0.143 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-06-30 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.54 Mbit/s

95th percentile per-packet one-way delay: 111.900 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 16.29 Mbit/s

95th percentile per-packet one-way delay: 111.768 ms

Loss rate: 2.55%

-- Flow 2:

Average throughput: 210.14 Mbit/s

95th percentile per-packet one-way delay: 111.879 ms

Loss rate: 1.14%

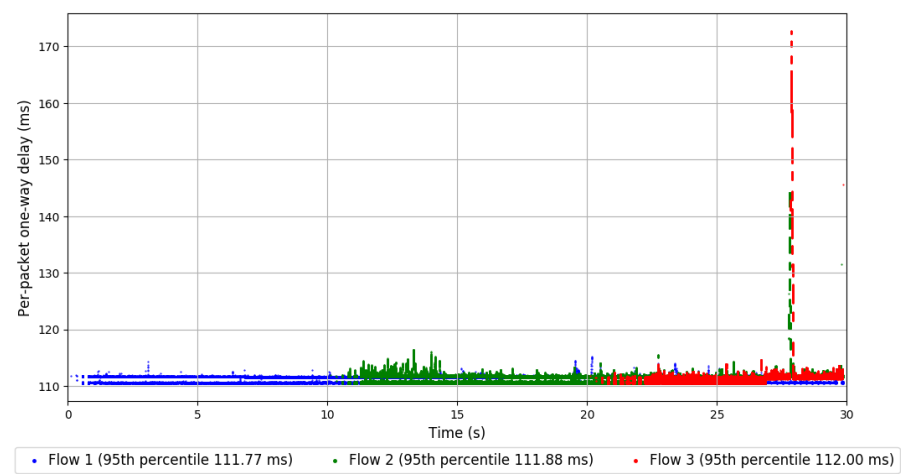
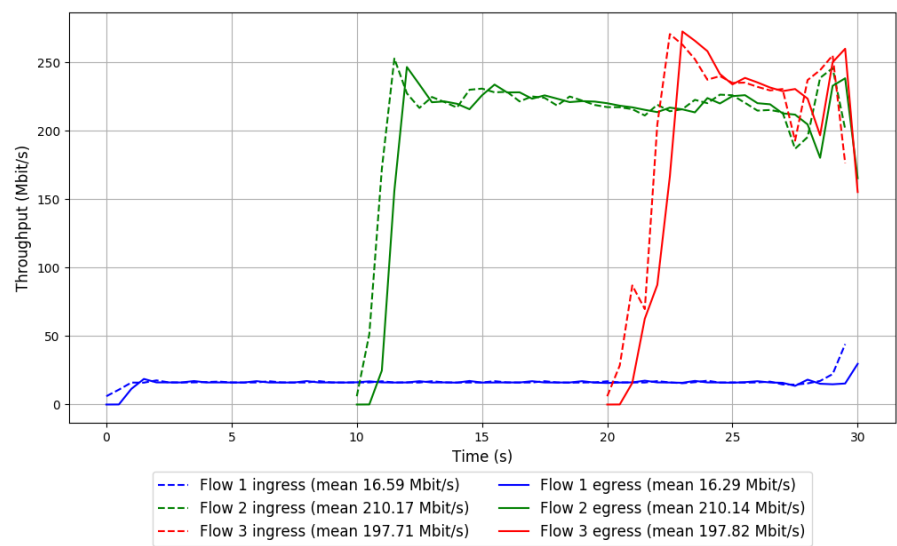
-- Flow 3:

Average throughput: 197.82 Mbit/s

95th percentile per-packet one-way delay: 112.004 ms

Loss rate: 1.83%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 07:32:31

End at: 2018-06-30 07:33:01

Local clock offset: -1.424 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2018-06-30 10:27:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.19 Mbit/s

95th percentile per-packet one-way delay: 109.696 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 159.73 Mbit/s

95th percentile per-packet one-way delay: 109.712 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 174.22 Mbit/s

95th percentile per-packet one-way delay: 109.453 ms

Loss rate: 1.17%

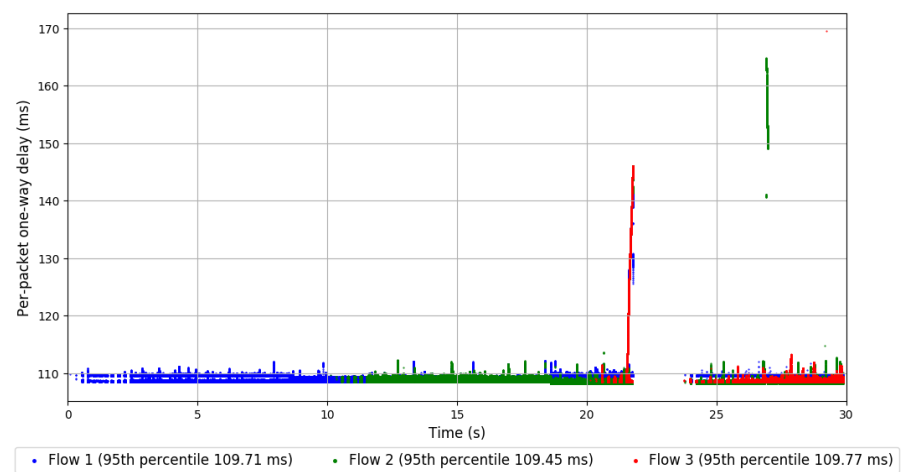
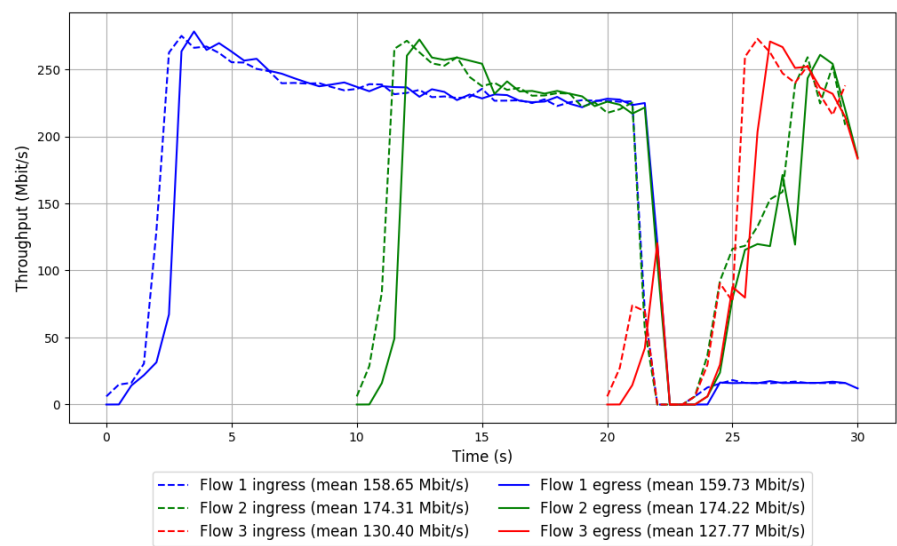
-- Flow 3:

Average throughput: 127.77 Mbit/s

95th percentile per-packet one-way delay: 109.768 ms

Loss rate: 4.22%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 07:58:21

End at: 2018-06-30 07:58:51

Local clock offset: -0.202 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-30 10:27:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.13 Mbit/s

95th percentile per-packet one-way delay: 116.481 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 170.51 Mbit/s

95th percentile per-packet one-way delay: 114.222 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 190.05 Mbit/s

95th percentile per-packet one-way delay: 118.742 ms

Loss rate: 0.64%

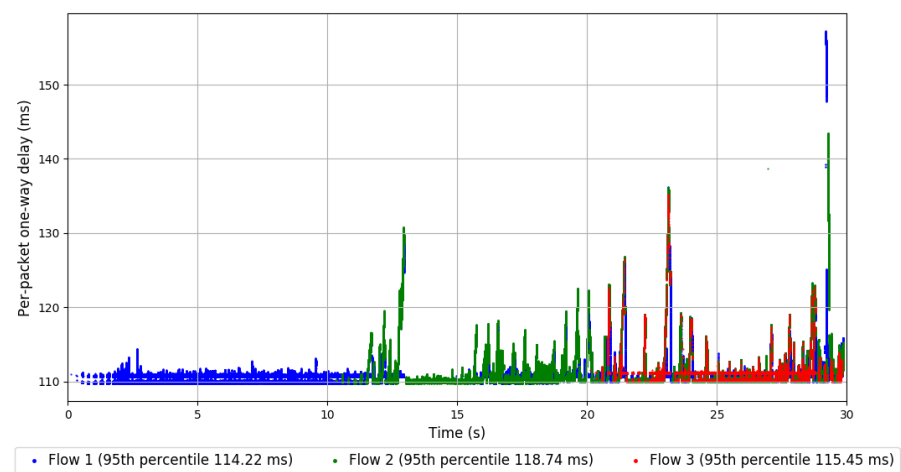
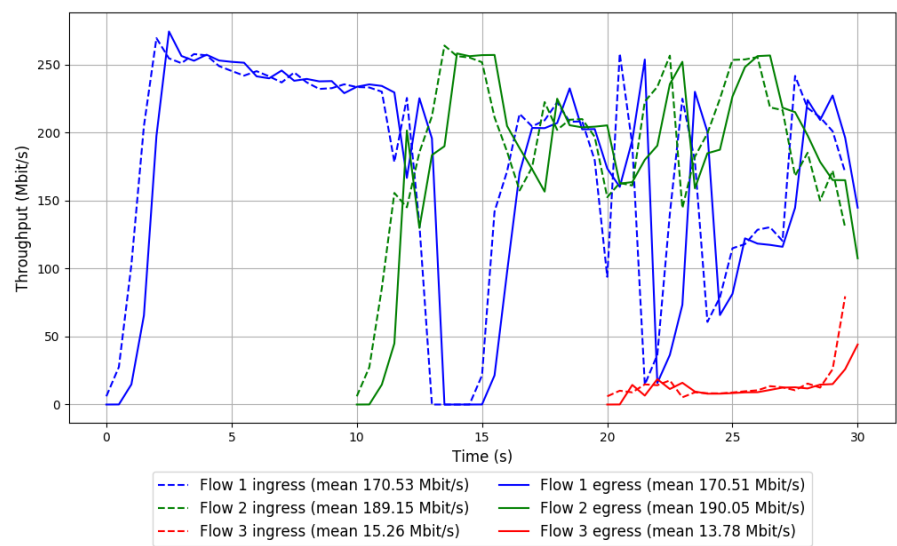
-- Flow 3:

Average throughput: 13.78 Mbit/s

95th percentile per-packet one-way delay: 115.449 ms

Loss rate: 11.73%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 08:24:15

End at: 2018-06-30 08:24:45

Local clock offset: -0.224 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-06-30 10:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 330.64 Mbit/s

95th percentile per-packet one-way delay: 111.299 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 184.38 Mbit/s

95th percentile per-packet one-way delay: 111.258 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 213.90 Mbit/s

95th percentile per-packet one-way delay: 111.347 ms

Loss rate: 1.21%

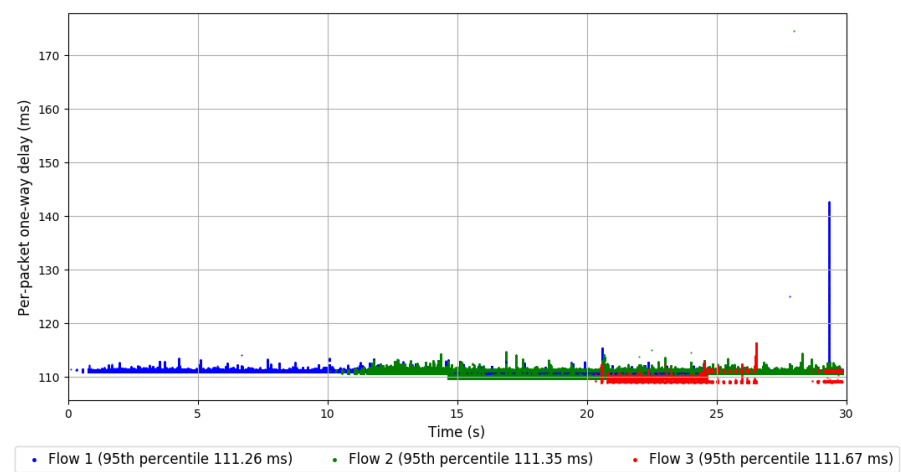
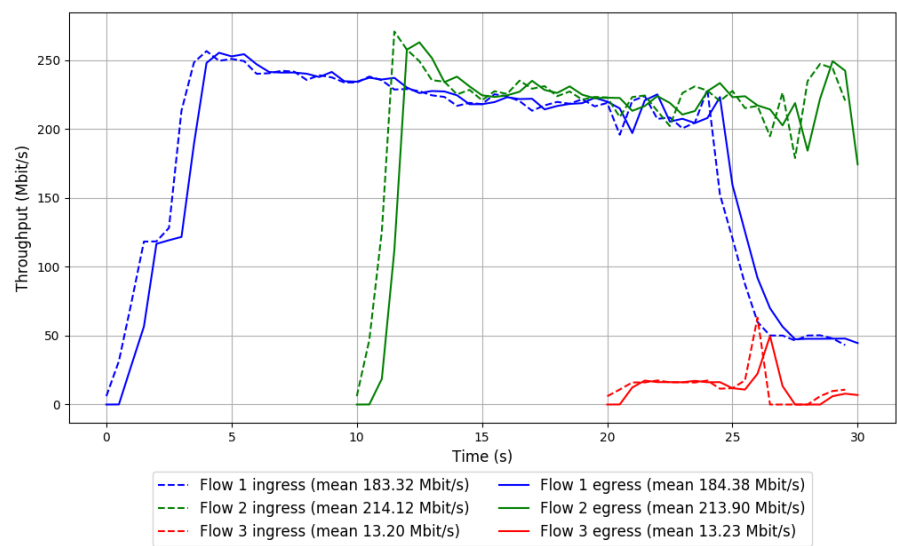
-- Flow 3:

Average throughput: 13.23 Mbit/s

95th percentile per-packet one-way delay: 111.669 ms

Loss rate: 2.22%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 04:18:53

End at: 2018-06-30 04:19:23

Local clock offset: -1.161 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-30 10:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.10 Mbit/s

95th percentile per-packet one-way delay: 117.489 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 28.95 Mbit/s

95th percentile per-packet one-way delay: 115.784 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 100.26 Mbit/s

95th percentile per-packet one-way delay: 117.164 ms

Loss rate: 1.22%

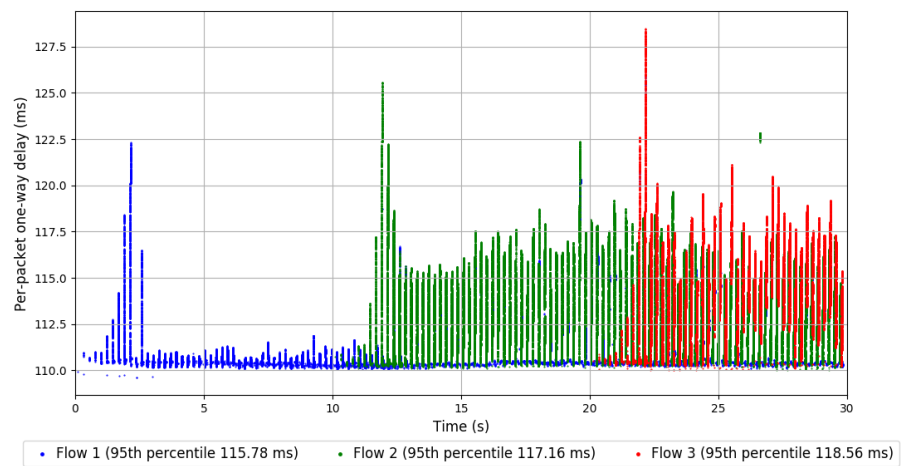
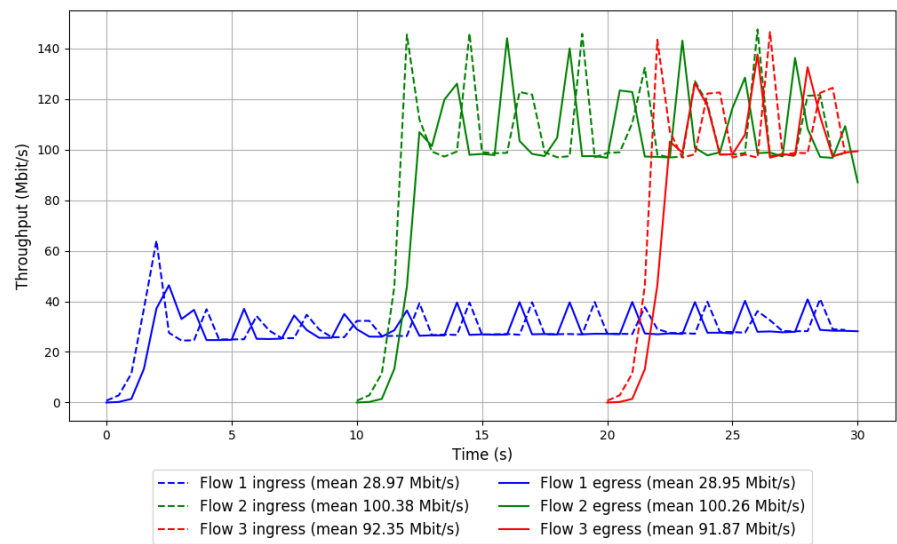
-- Flow 3:

Average throughput: 91.87 Mbit/s

95th percentile per-packet one-way delay: 118.564 ms

Loss rate: 2.71%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 04:44:40

End at: 2018-06-30 04:45:10

Local clock offset: -0.026 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-30 10:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 102.98 Mbit/s

95th percentile per-packet one-way delay: 118.459 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 26.32 Mbit/s

95th percentile per-packet one-way delay: 115.721 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 101.56 Mbit/s

95th percentile per-packet one-way delay: 118.899 ms

Loss rate: 1.23%

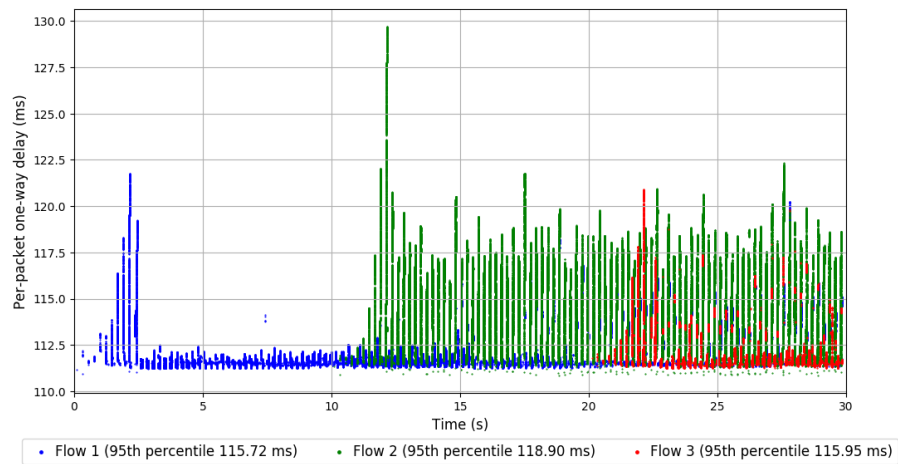
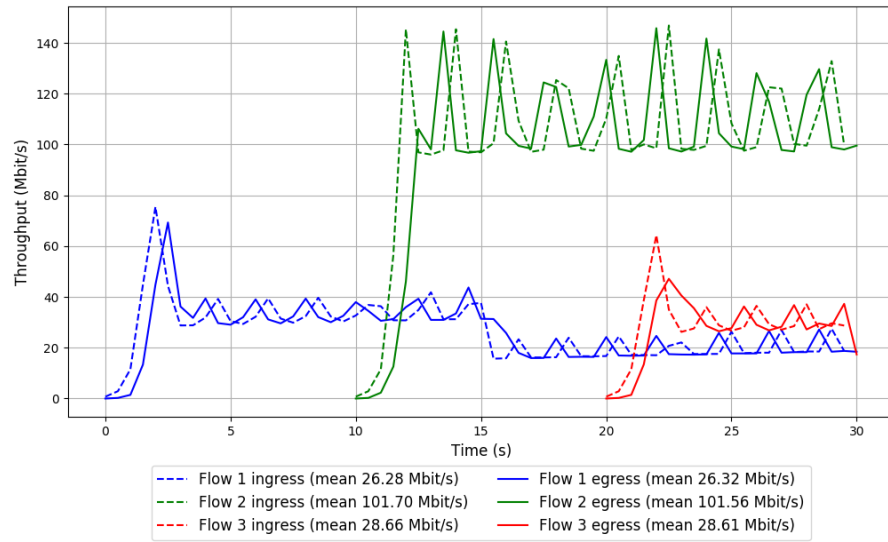
-- Flow 3:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 115.947 ms

Loss rate: 2.41%

Run 2: Report of TCP Vegas — Data Link

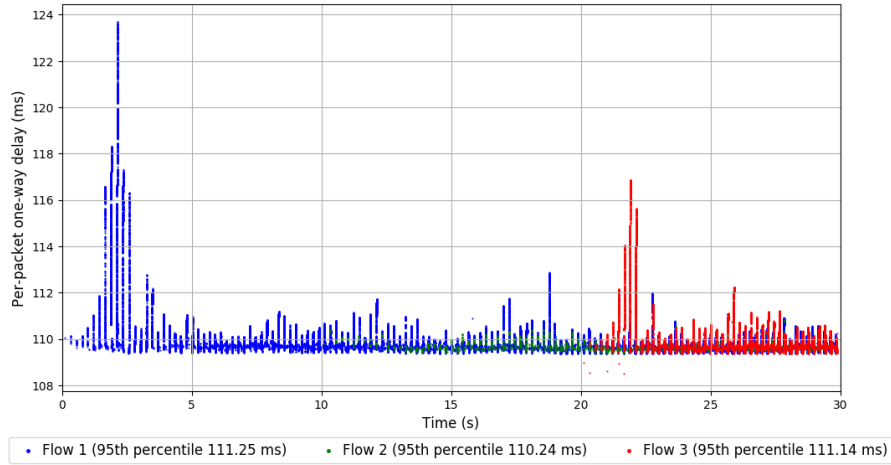
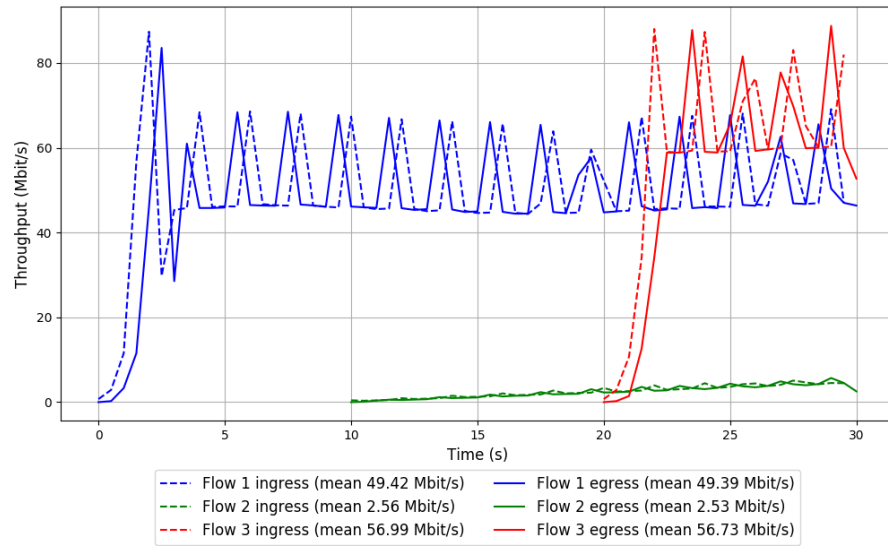


Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 05:10:00
End at: 2018-06-30 05:10:30
Local clock offset: -1.654 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-30 10:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.64 Mbit/s
95th percentile per-packet one-way delay: 111.165 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 111.250 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 110.241 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 111.145 ms
Loss rate: 2.64%

Run 3: Report of TCP Vegas — Data Link

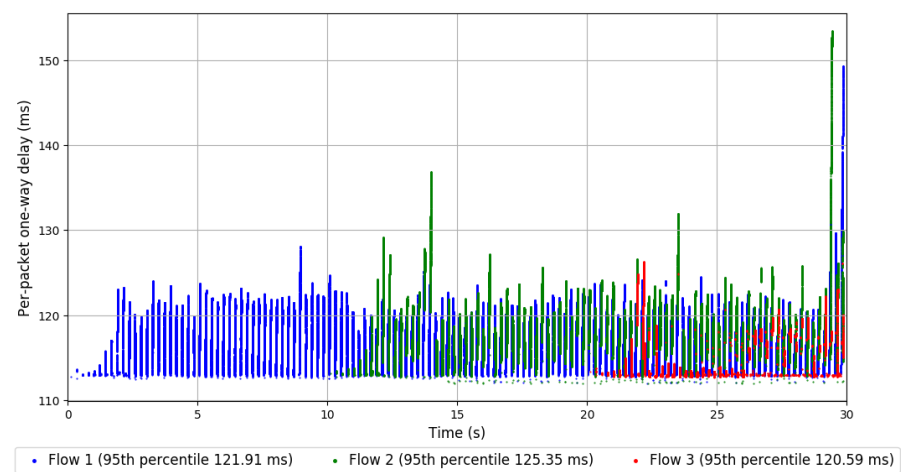
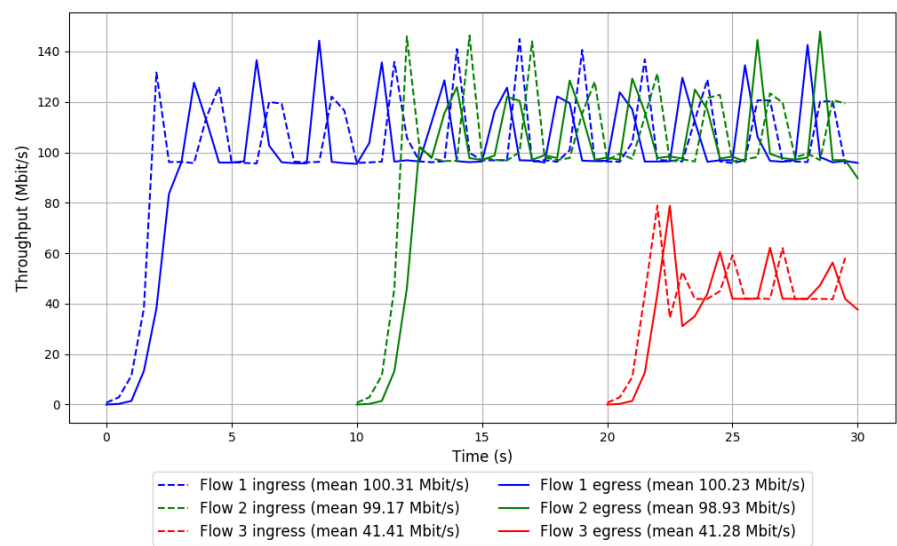


Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 05:35:25
End at: 2018-06-30 05:35:55
Local clock offset: 1.311 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-06-30 10:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.33 Mbit/s
95th percentile per-packet one-way delay: 123.042 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 100.23 Mbit/s
95th percentile per-packet one-way delay: 121.910 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 98.93 Mbit/s
95th percentile per-packet one-way delay: 125.353 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 120.587 ms
Loss rate: 2.52%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 06:01:43

End at: 2018-06-30 06:02:13

Local clock offset: 1.236 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-06-30 10:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.79 Mbit/s

95th percentile per-packet one-way delay: 119.636 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 102.76 Mbit/s

95th percentile per-packet one-way delay: 119.615 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 99.95 Mbit/s

95th percentile per-packet one-way delay: 119.816 ms

Loss rate: 1.25%

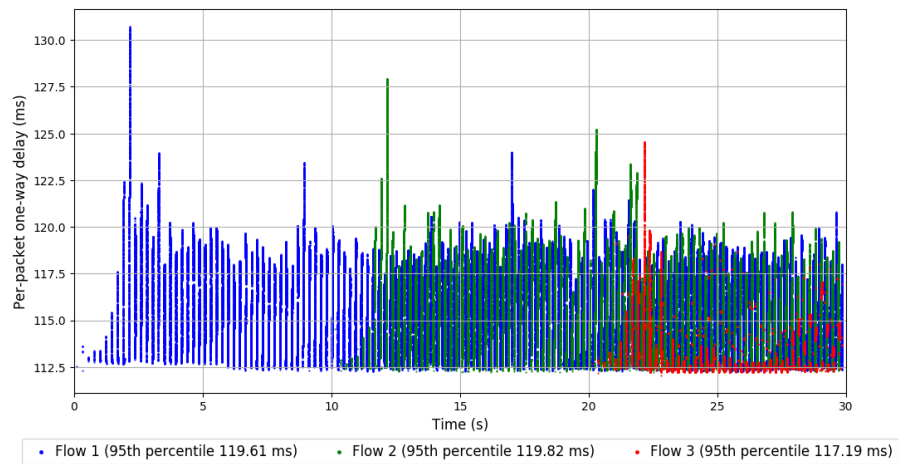
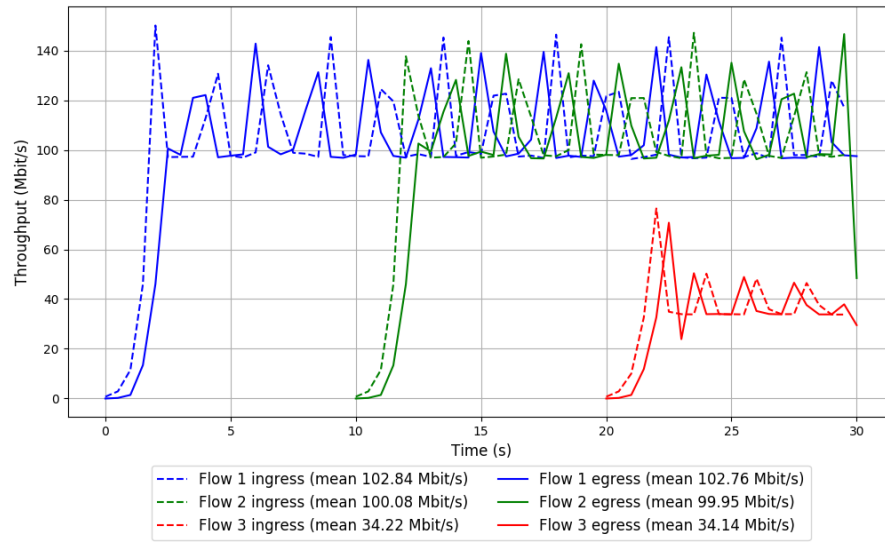
-- Flow 3:

Average throughput: 34.14 Mbit/s

95th percentile per-packet one-way delay: 117.191 ms

Loss rate: 2.47%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 06:27:38

End at: 2018-06-30 06:28:08

Local clock offset: -0.127 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-06-30 10:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.41 Mbit/s

95th percentile per-packet one-way delay: 119.033 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 103.34 Mbit/s

95th percentile per-packet one-way delay: 119.053 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 43.28 Mbit/s

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

Loss rate: 1.18%

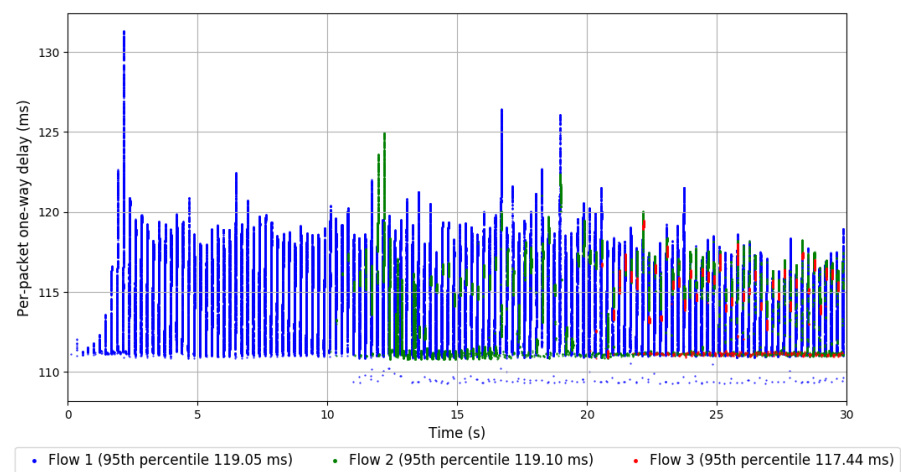
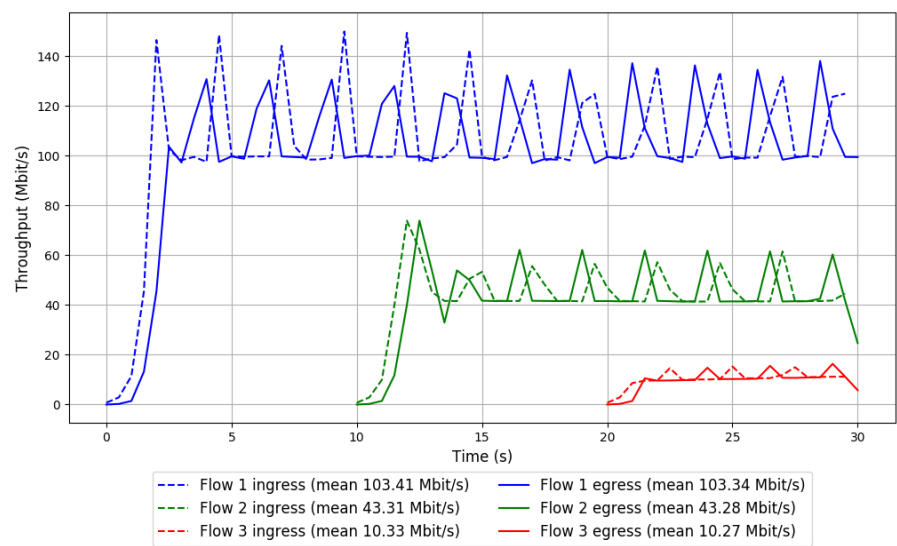
-- Flow 3:

Average throughput: 10.27 Mbit/s

95th percentile per-packet one-way delay: 117.435 ms

Loss rate: 2.74%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 06:53:18

End at: 2018-06-30 06:53:48

Local clock offset: -0.196 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-06-30 10:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.63 Mbit/s

95th percentile per-packet one-way delay: 113.570 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 113.060 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 57.43 Mbit/s

95th percentile per-packet one-way delay: 113.603 ms

Loss rate: 1.24%

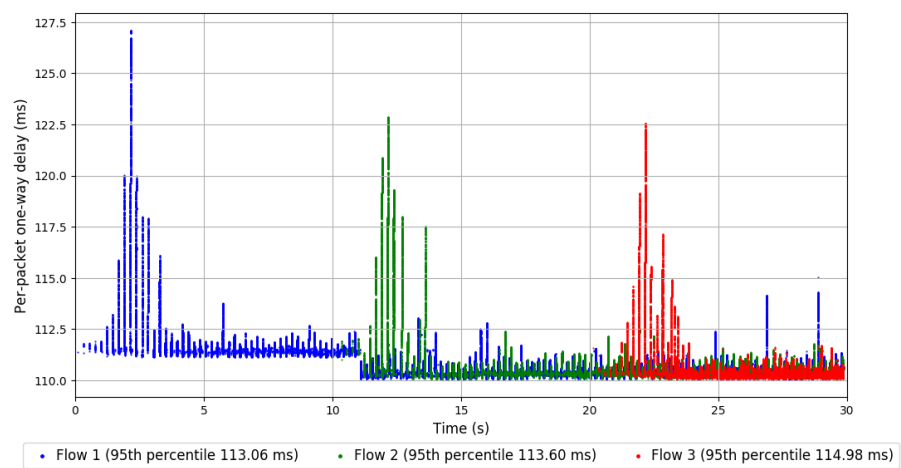
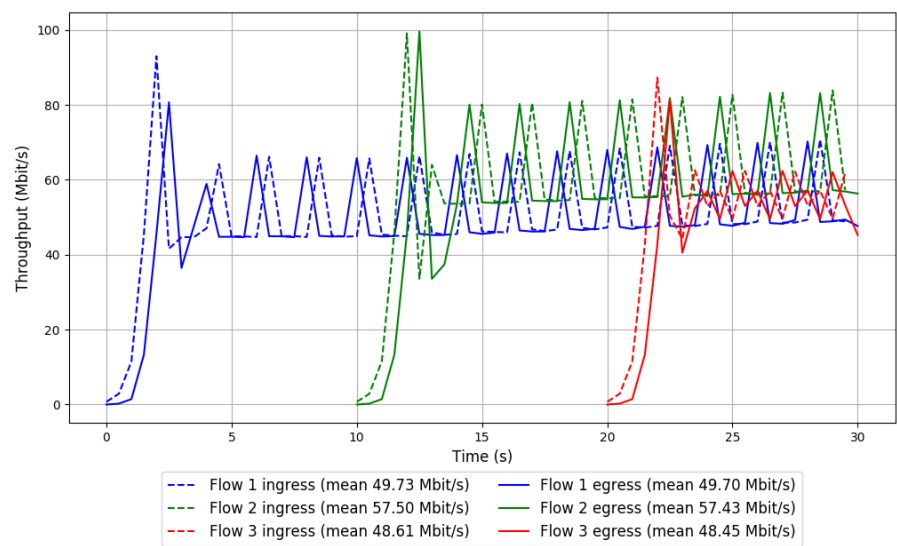
-- Flow 3:

Average throughput: 48.45 Mbit/s

95th percentile per-packet one-way delay: 114.976 ms

Loss rate: 2.55%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 07:19:20

End at: 2018-06-30 07:19:50

Local clock offset: -0.16 ms

Remote clock offset: 0.433 ms

Below is generated by plot.py at 2018-06-30 10:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.19 Mbit/s

95th percentile per-packet one-way delay: 116.885 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 103.61 Mbit/s

95th percentile per-packet one-way delay: 116.910 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 2.51 Mbit/s

95th percentile per-packet one-way delay: 113.850 ms

Loss rate: 2.31%

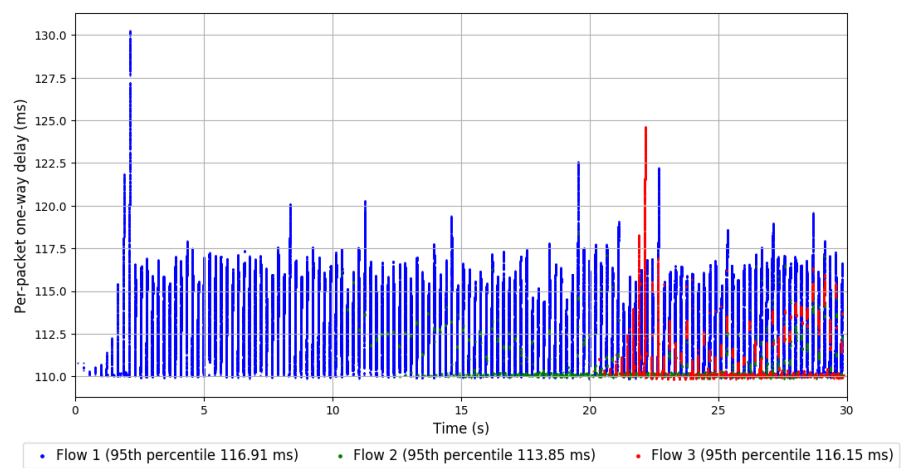
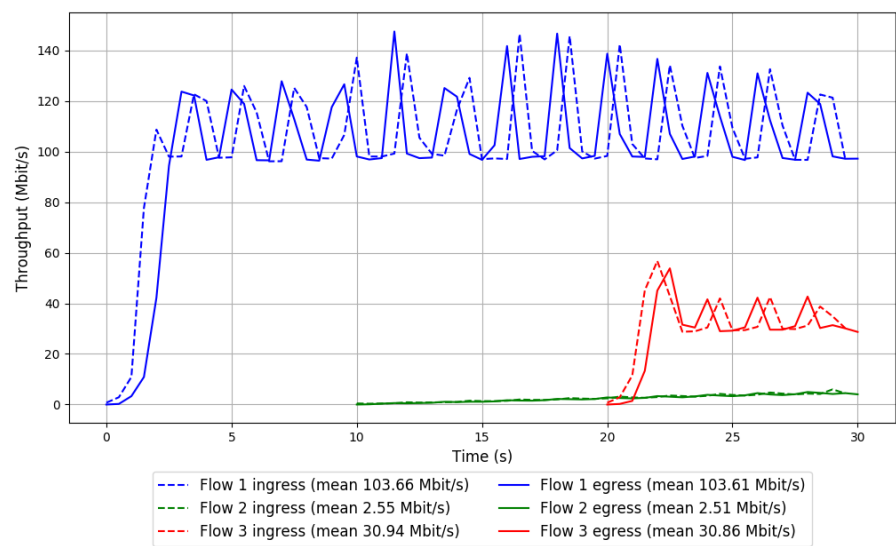
-- Flow 3:

Average throughput: 30.86 Mbit/s

95th percentile per-packet one-way delay: 116.148 ms

Loss rate: 2.45%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 07:45:24

End at: 2018-06-30 07:45:54

Local clock offset: -0.246 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-06-30 10:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 116.409 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 113.326 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 32.97 Mbit/s

95th percentile per-packet one-way delay: 116.979 ms

Loss rate: 1.23%

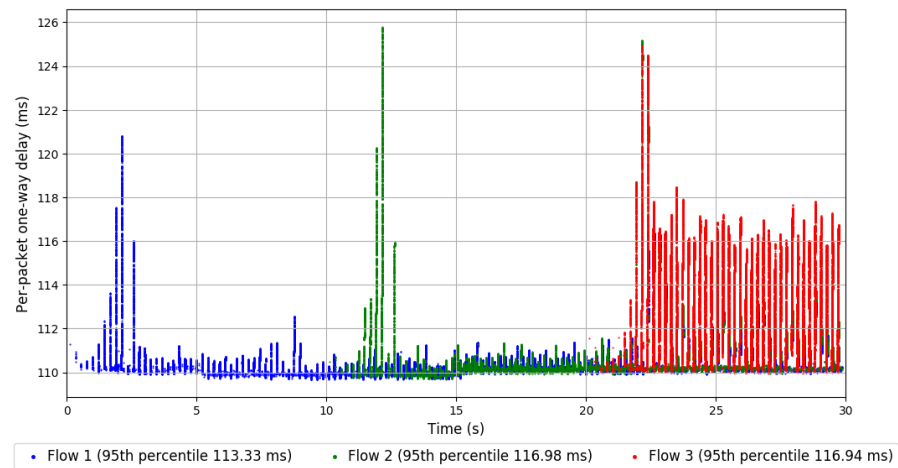
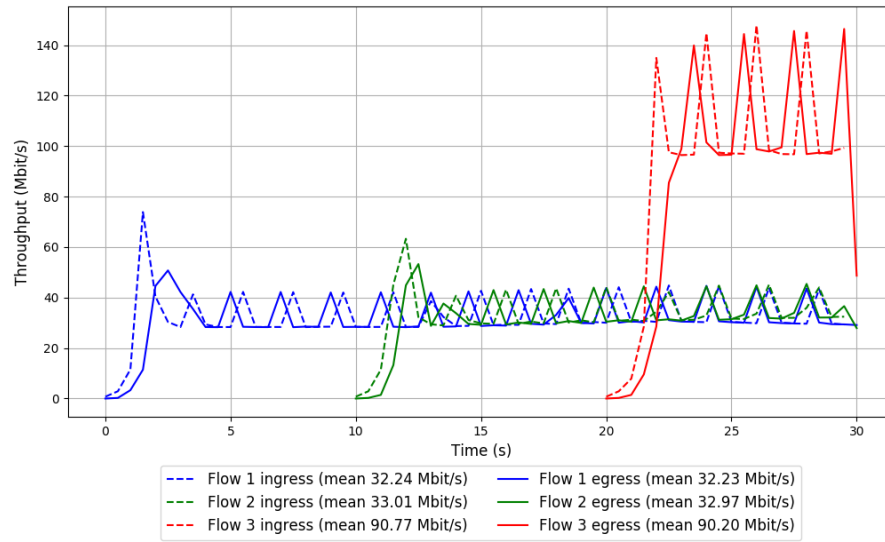
-- Flow 3:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 116.938 ms

Loss rate: 2.84%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 08:11:11

End at: 2018-06-30 08:11:41

Local clock offset: 0.242 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-06-30 10:29:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 167.22 Mbit/s

95th percentile per-packet one-way delay: 118.666 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 103.44 Mbit/s

95th percentile per-packet one-way delay: 119.334 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 116.442 ms

Loss rate: 1.24%

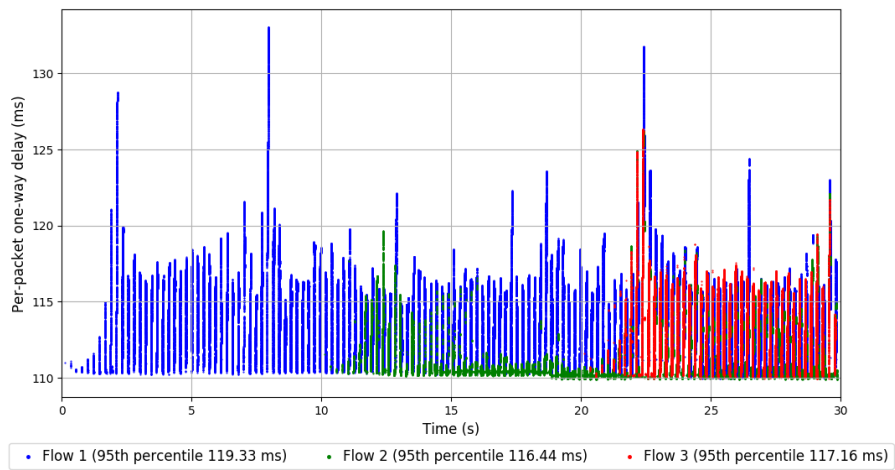
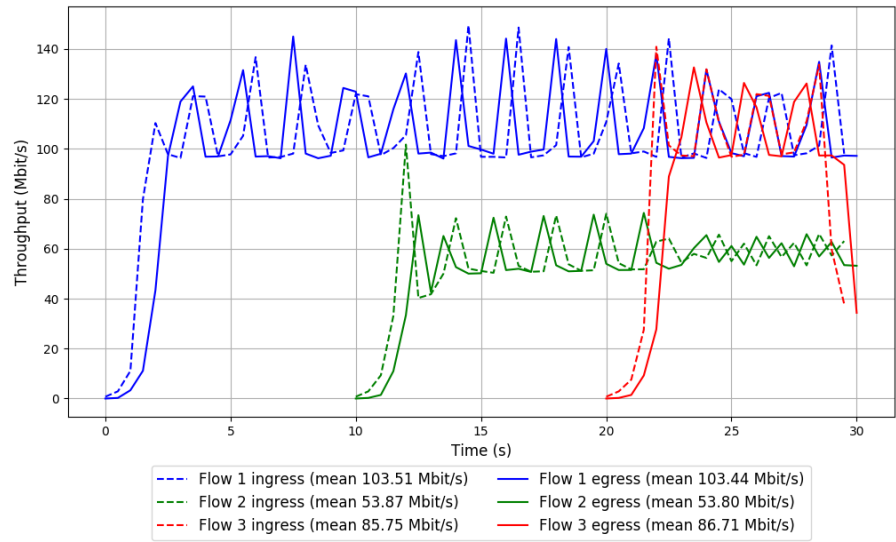
-- Flow 3:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 117.163 ms

Loss rate: 1.16%

Run 10: Report of TCP Vegas — Data Link

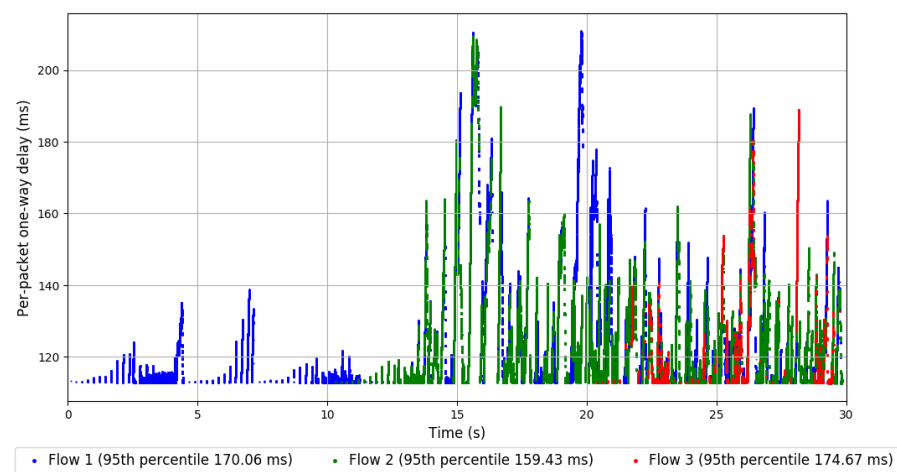
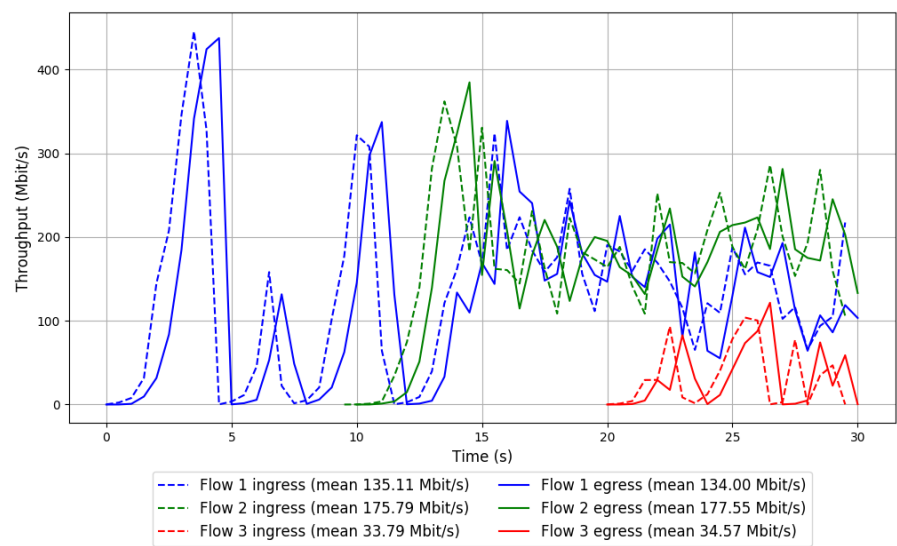


Run 1: Statistics of Verus

Start at: 2018-06-30 04:30:20
End at: 2018-06-30 04:30:50
Local clock offset: 1.268 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-30 10:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.13 Mbit/s
95th percentile per-packet one-way delay: 166.302 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 134.00 Mbit/s
95th percentile per-packet one-way delay: 170.064 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 177.55 Mbit/s
95th percentile per-packet one-way delay: 159.427 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 174.672 ms
Loss rate: 0.02%

Run 1: Report of Verus — Data Link

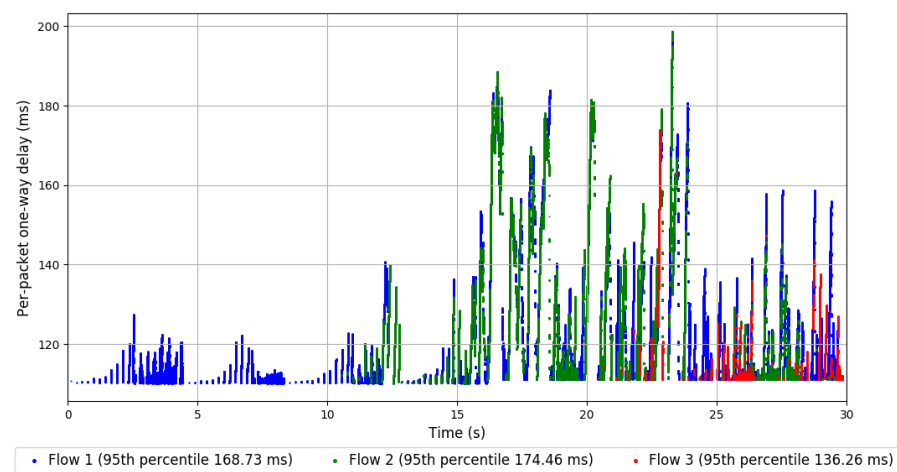
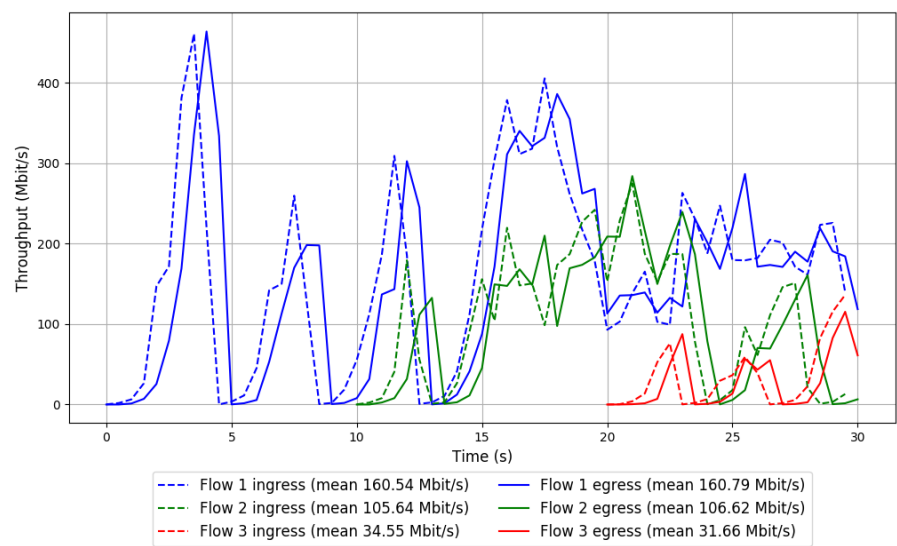


Run 2: Statistics of Verus

Start at: 2018-06-30 04:56:03
End at: 2018-06-30 04:56:33
Local clock offset: -0.061 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-30 10:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.64 Mbit/s
95th percentile per-packet one-way delay: 170.695 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 160.79 Mbit/s
95th percentile per-packet one-way delay: 168.728 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 106.62 Mbit/s
95th percentile per-packet one-way delay: 174.461 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 136.264 ms
Loss rate: 10.98%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-30 05:21:30

End at: 2018-06-30 05:22:00

Local clock offset: -1.64 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-30 10:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.25 Mbit/s

95th percentile per-packet one-way delay: 318.426 ms

Loss rate: 8.66%

-- Flow 1:

Average throughput: 149.02 Mbit/s

95th percentile per-packet one-way delay: 325.741 ms

Loss rate: 10.99%

-- Flow 2:

Average throughput: 117.18 Mbit/s

95th percentile per-packet one-way delay: 208.257 ms

Loss rate: 3.68%

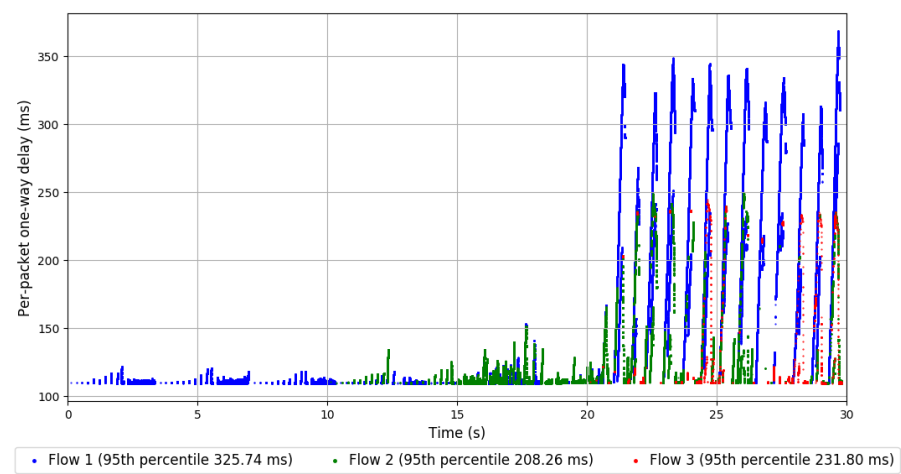
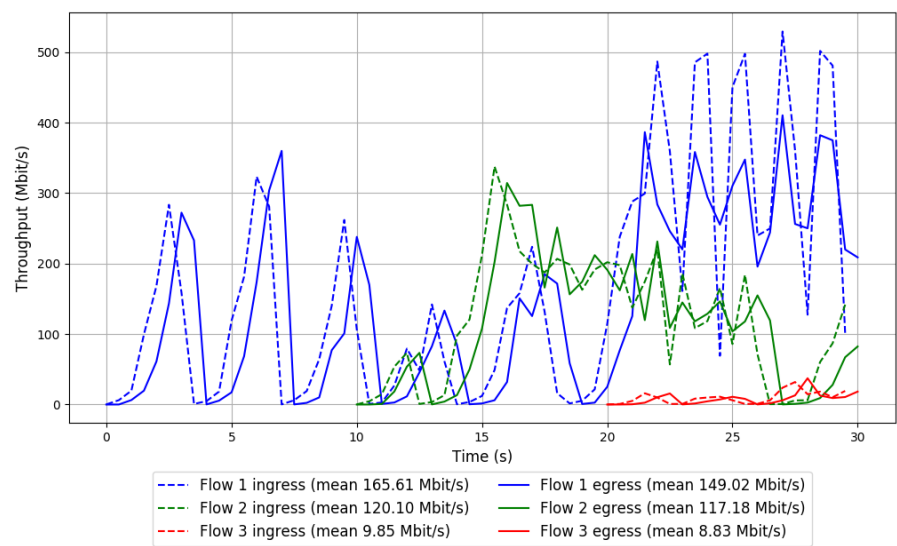
-- Flow 3:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 231.803 ms

Loss rate: 12.69%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-30 05:47:10

End at: 2018-06-30 05:47:40

Local clock offset: -0.18 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-30 10:32:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.14 Mbit/s

95th percentile per-packet one-way delay: 220.062 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 239.64 Mbit/s

95th percentile per-packet one-way delay: 219.705 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 54.60 Mbit/s

95th percentile per-packet one-way delay: 224.165 ms

Loss rate: 1.64%

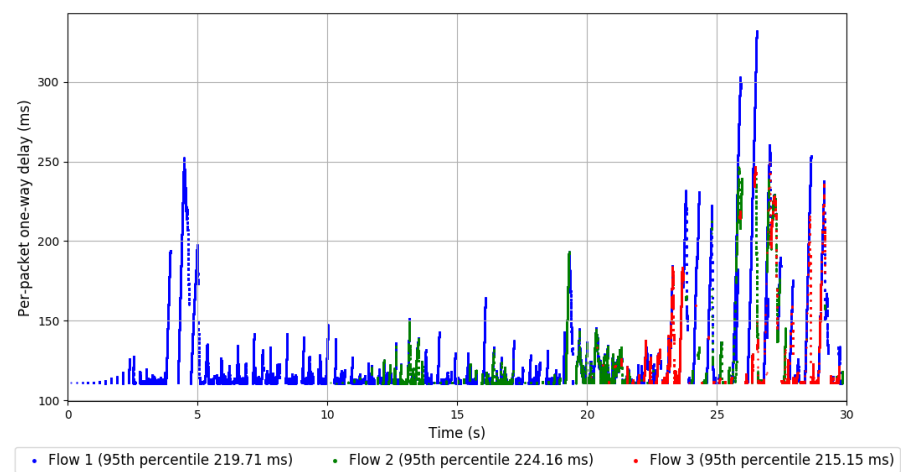
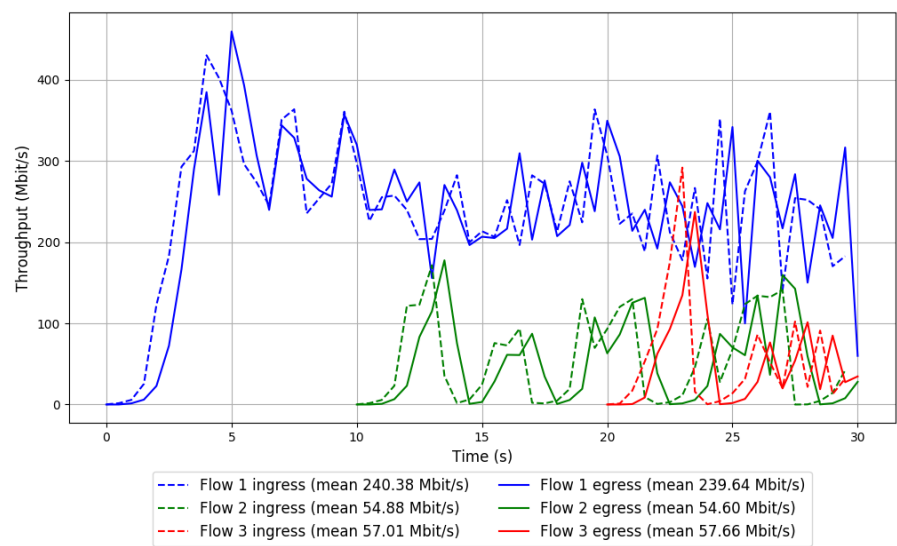
-- Flow 3:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 215.151 ms

Loss rate: 1.21%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-30 06:13:23

End at: 2018-06-30 06:13:53

Local clock offset: 1.32 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-06-30 10:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 307.39 Mbit/s

95th percentile per-packet one-way delay: 180.946 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 178.39 Mbit/s

95th percentile per-packet one-way delay: 177.199 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 150.91 Mbit/s

95th percentile per-packet one-way delay: 183.044 ms

Loss rate: 1.30%

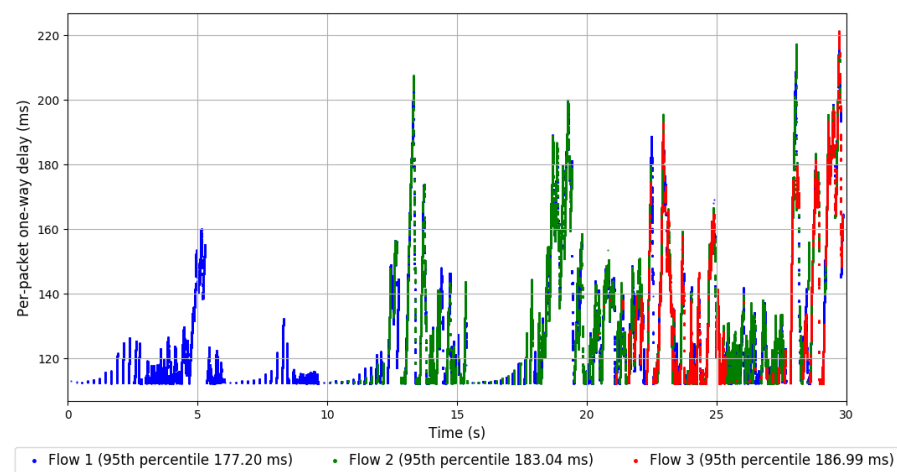
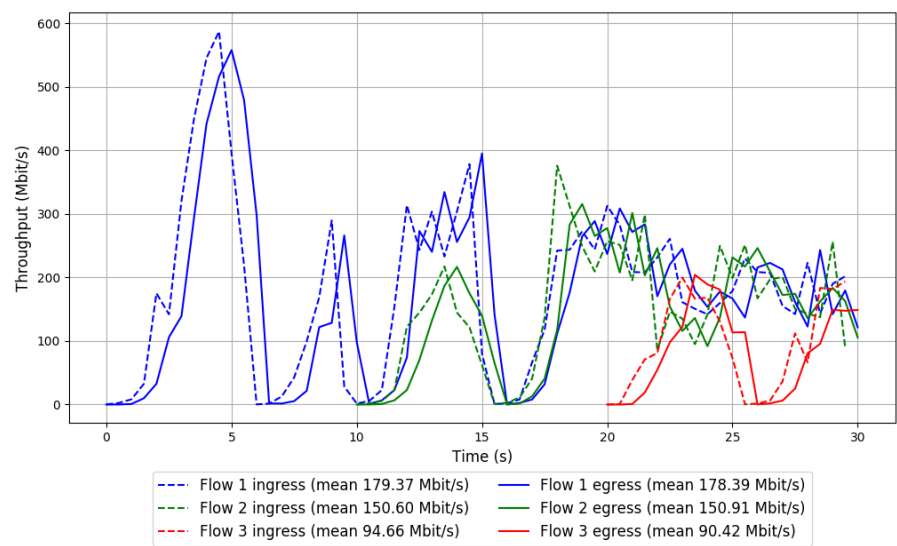
-- Flow 3:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 186.993 ms

Loss rate: 6.77%

Run 5: Report of Verus — Data Link

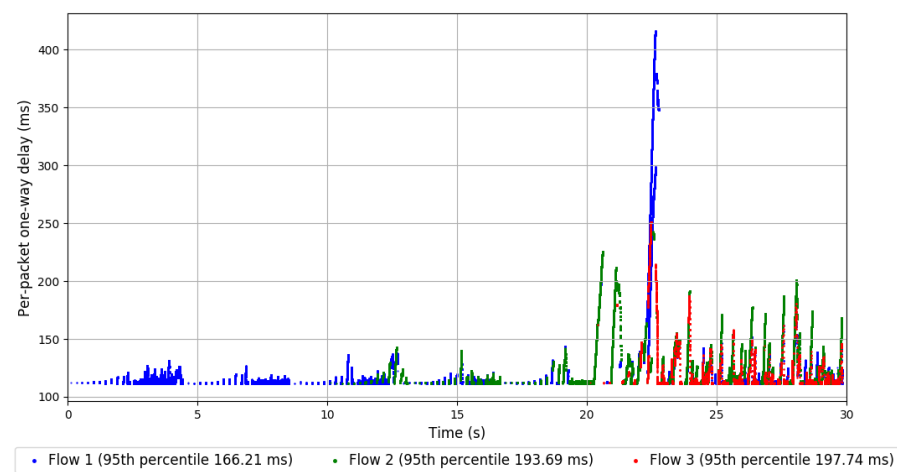
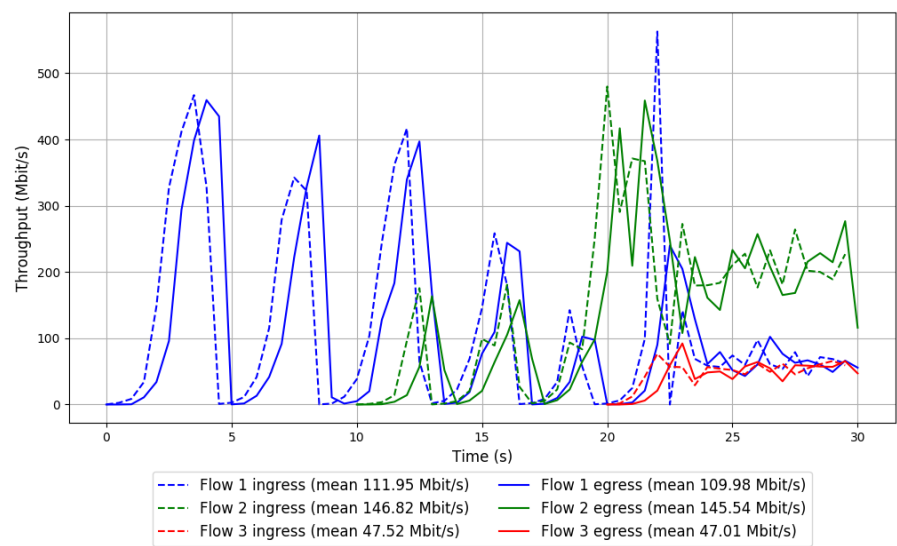


Run 6: Statistics of Verus

Start at: 2018-06-30 06:38:58
End at: 2018-06-30 06:39:28
Local clock offset: -0.071 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-06-30 10:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.68 Mbit/s
95th percentile per-packet one-way delay: 191.770 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 109.98 Mbit/s
95th percentile per-packet one-way delay: 166.207 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 145.54 Mbit/s
95th percentile per-packet one-way delay: 193.692 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 197.737 ms
Loss rate: 3.28%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-30 07:04:50

End at: 2018-06-30 07:05:20

Local clock offset: -0.074 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-06-30 10:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.40 Mbit/s

95th percentile per-packet one-way delay: 249.428 ms

Loss rate: 3.75%

-- Flow 1:

Average throughput: 116.22 Mbit/s

95th percentile per-packet one-way delay: 242.514 ms

Loss rate: 2.55%

-- Flow 2:

Average throughput: 155.58 Mbit/s

95th percentile per-packet one-way delay: 256.173 ms

Loss rate: 2.85%

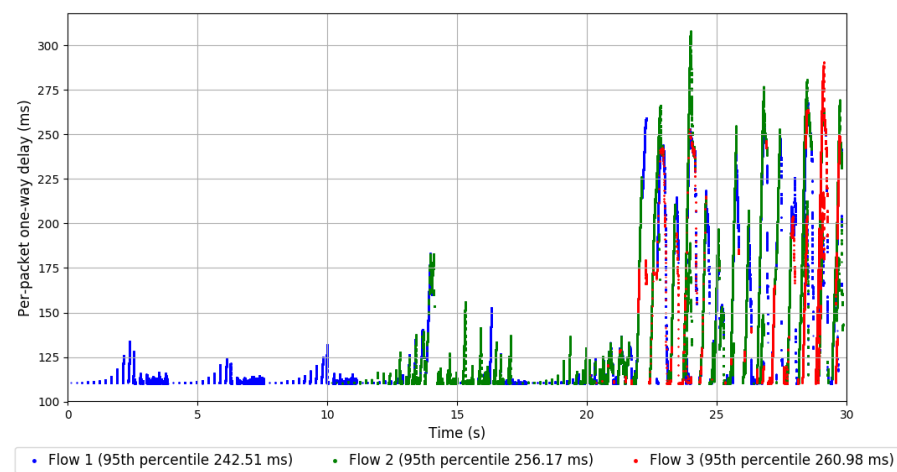
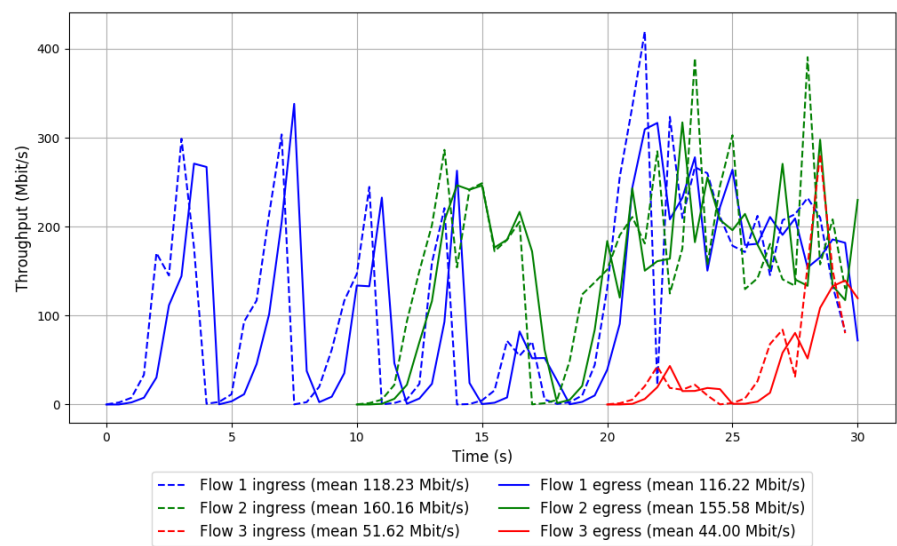
-- Flow 3:

Average throughput: 44.00 Mbit/s

95th percentile per-packet one-way delay: 260.978 ms

Loss rate: 17.57%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-30 07:30:55

End at: 2018-06-30 07:31:25

Local clock offset: 1.037 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-06-30 10:33:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.59 Mbit/s

95th percentile per-packet one-way delay: 209.438 ms

Loss rate: 3.63%

-- Flow 1:

Average throughput: 140.46 Mbit/s

95th percentile per-packet one-way delay: 200.702 ms

Loss rate: 3.05%

-- Flow 2:

Average throughput: 78.99 Mbit/s

95th percentile per-packet one-way delay: 236.271 ms

Loss rate: 3.13%

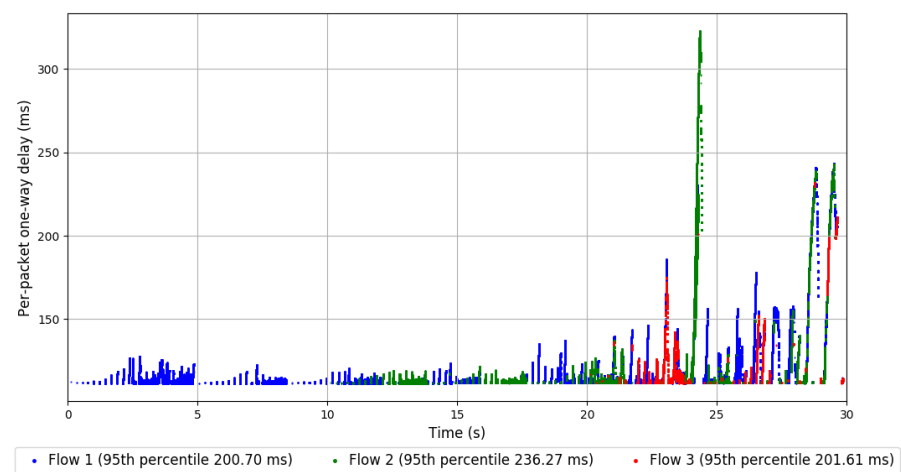
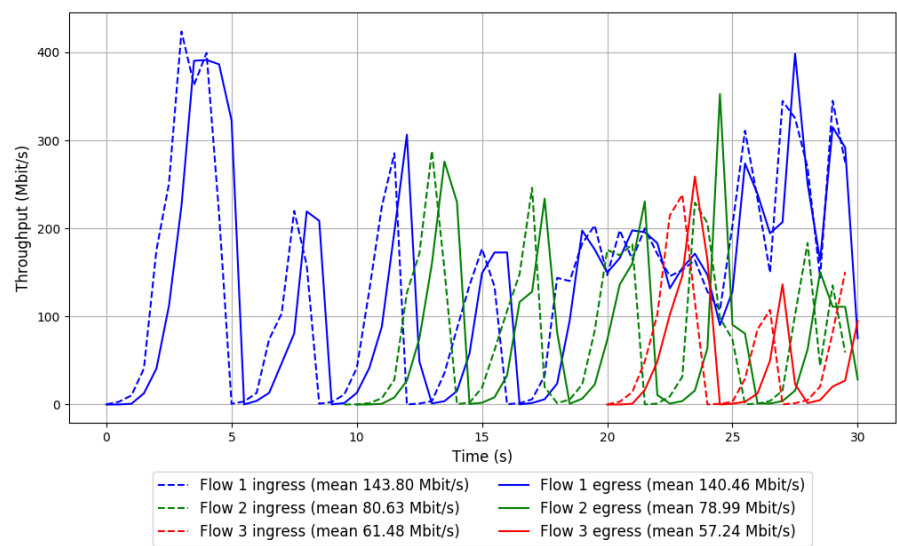
-- Flow 3:

Average throughput: 57.24 Mbit/s

95th percentile per-packet one-way delay: 201.610 ms

Loss rate: 9.02%

Run 8: Report of Verus — Data Link

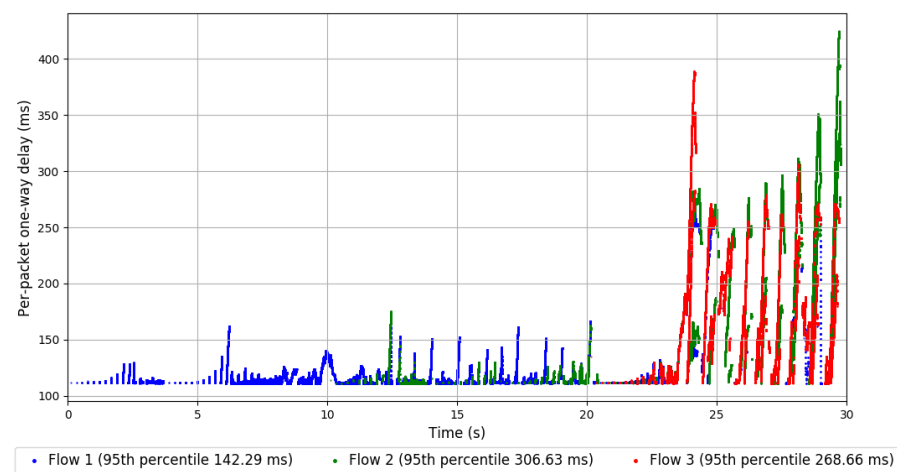
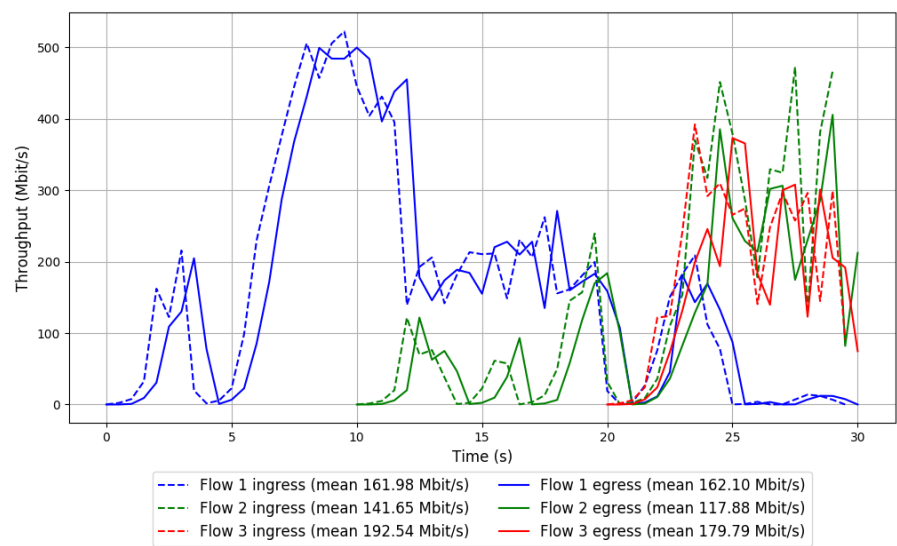


Run 9: Statistics of Verus

Start at: 2018-06-30 07:56:43
End at: 2018-06-30 07:57:13
Local clock offset: 0.955 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-30 10:35:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.93 Mbit/s
95th percentile per-packet one-way delay: 266.778 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 162.10 Mbit/s
95th percentile per-packet one-way delay: 142.293 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 117.88 Mbit/s
95th percentile per-packet one-way delay: 306.626 ms
Loss rate: 15.96%
-- Flow 3:
Average throughput: 179.79 Mbit/s
95th percentile per-packet one-way delay: 268.657 ms
Loss rate: 10.11%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-30 08:22:41

End at: 2018-06-30 08:23:11

Local clock offset: 1.327 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-06-30 10:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 260.73 Mbit/s

95th percentile per-packet one-way delay: 201.839 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 90.38 Mbit/s

95th percentile per-packet one-way delay: 201.031 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 177.45 Mbit/s

95th percentile per-packet one-way delay: 197.739 ms

Loss rate: 0.59%

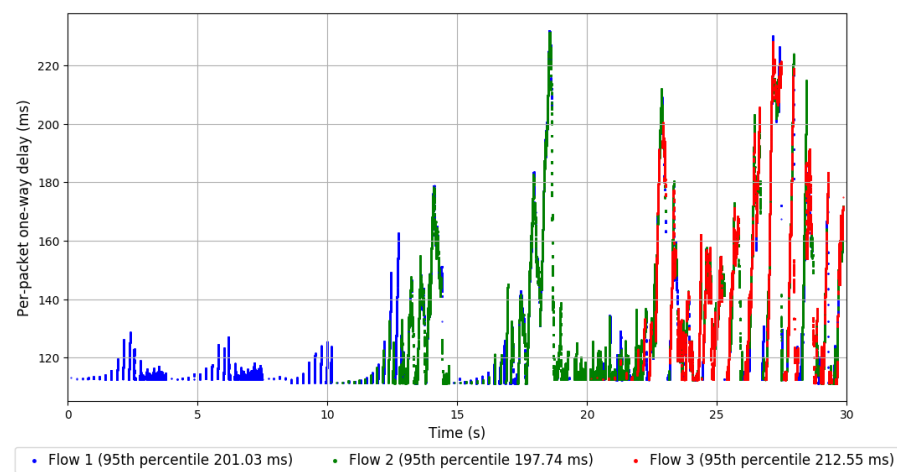
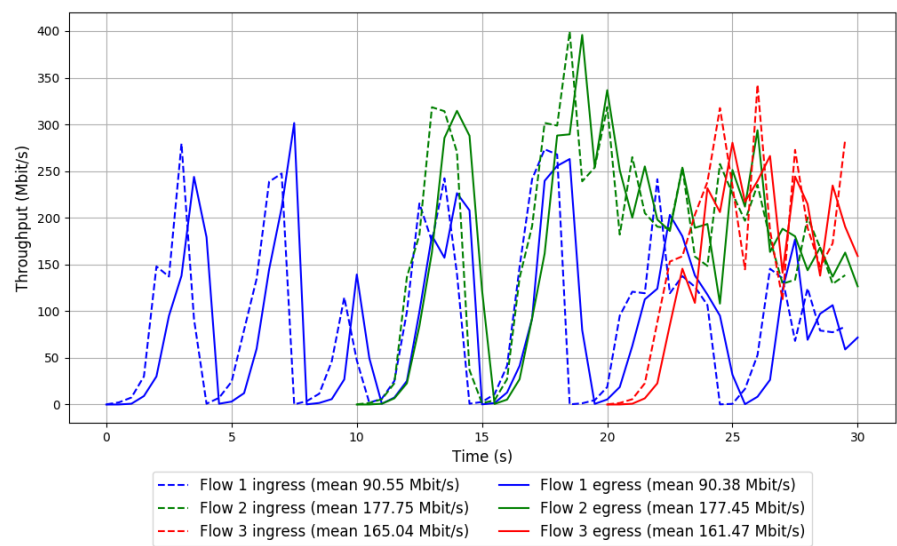
-- Flow 3:

Average throughput: 161.47 Mbit/s

95th percentile per-packet one-way delay: 212.548 ms

Loss rate: 4.36%

Run 10: Report of Verus — Data Link

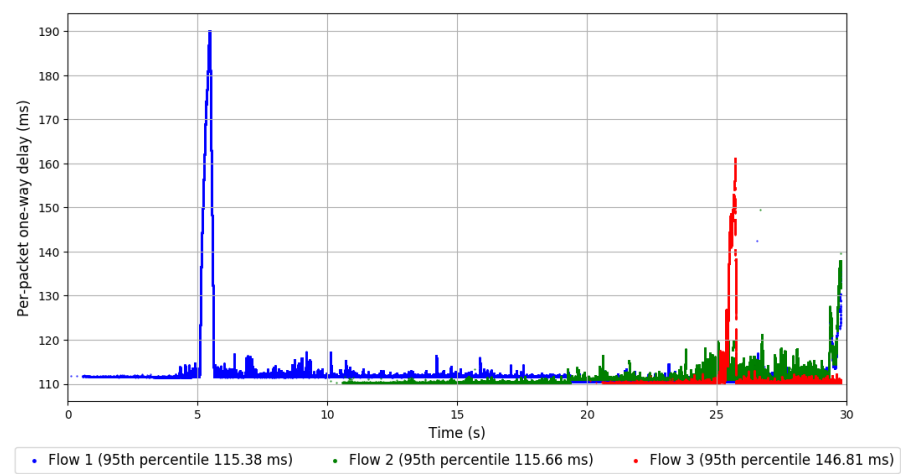
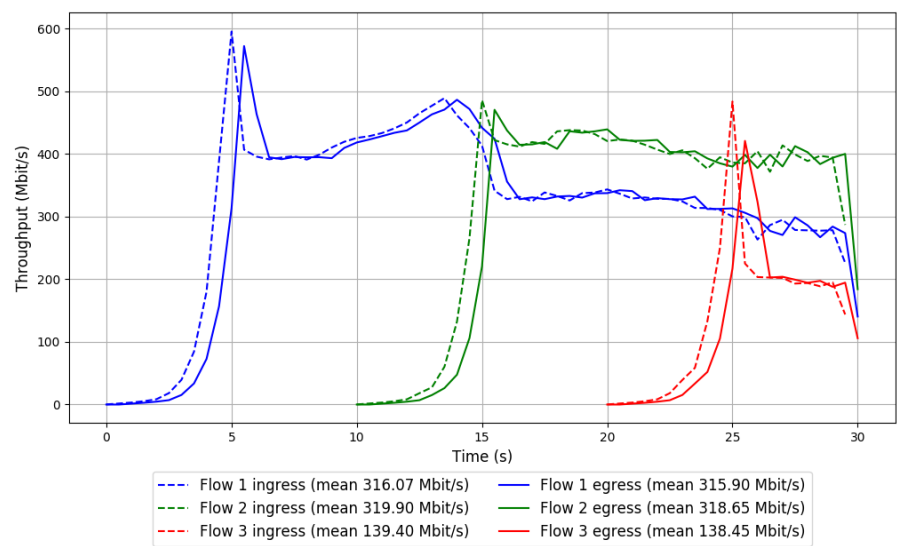


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 04:40:10
End at: 2018-06-30 04:40:40
Local clock offset: -0.177 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-06-30 10:40:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.01 Mbit/s
95th percentile per-packet one-way delay: 116.367 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 315.90 Mbit/s
95th percentile per-packet one-way delay: 115.381 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 318.65 Mbit/s
95th percentile per-packet one-way delay: 115.660 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 138.45 Mbit/s
95th percentile per-packet one-way delay: 146.806 ms
Loss rate: 2.92%

Run 1: Report of PCC-Vivace — Data Link

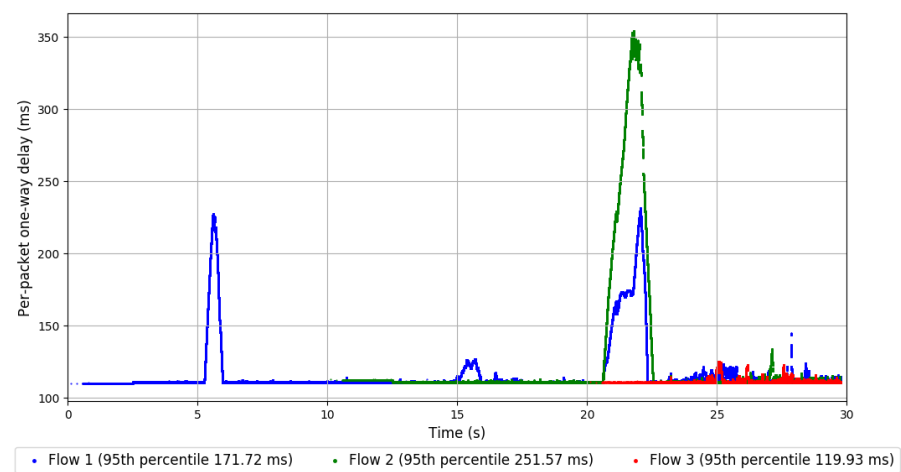
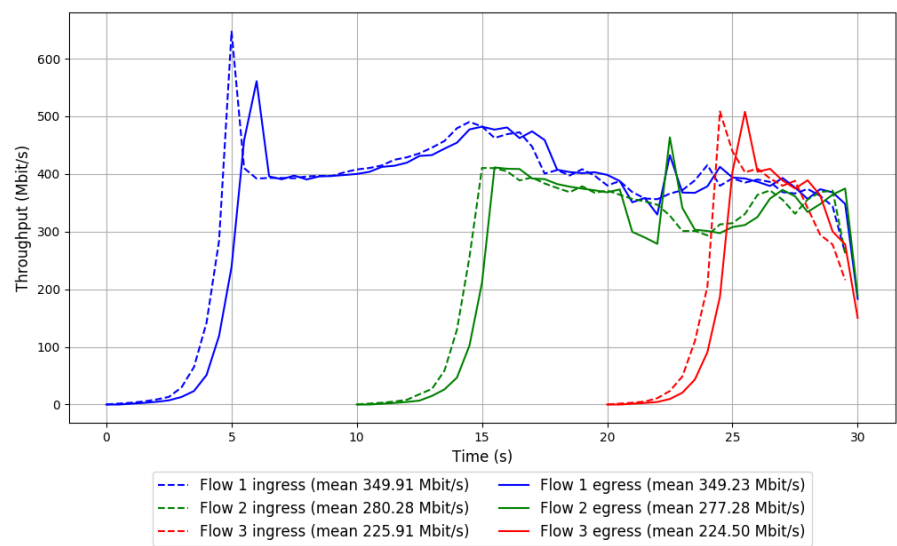


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 05:05:27
End at: 2018-06-30 05:05:57
Local clock offset: -0.339 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-30 10:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.85 Mbit/s
95th percentile per-packet one-way delay: 174.283 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 349.23 Mbit/s
95th percentile per-packet one-way delay: 171.721 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 277.28 Mbit/s
95th percentile per-packet one-way delay: 251.566 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 224.50 Mbit/s
95th percentile per-packet one-way delay: 119.932 ms
Loss rate: 2.88%

Run 2: Report of PCC-Vivace — Data Link

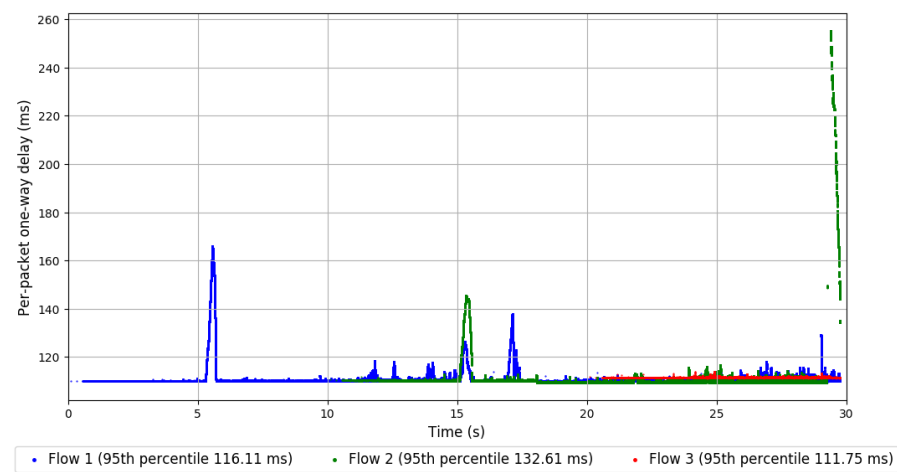
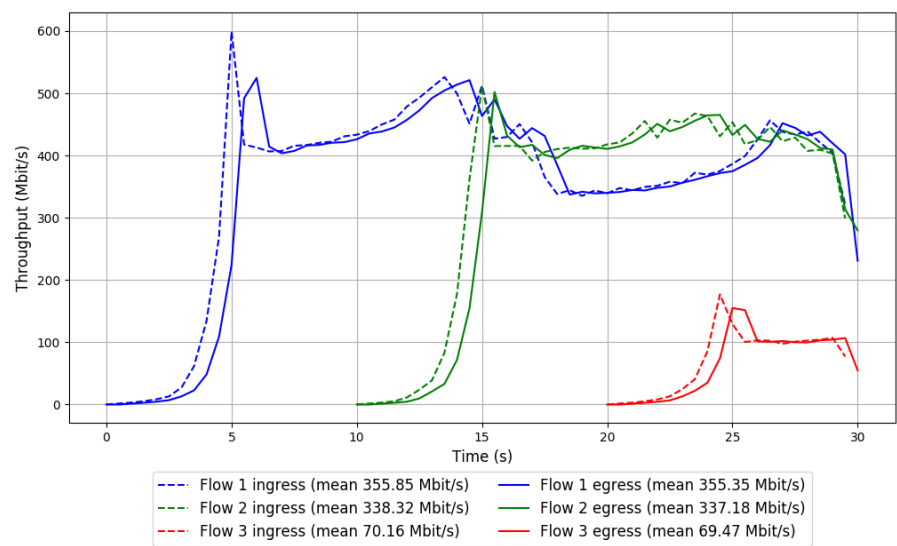


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 05:30:51
End at: 2018-06-30 05:31:21
Local clock offset: -1.403 ms
Remote clock offset: -0.389 ms

Below is generated by plot.py at 2018-06-30 10:42:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 601.37 Mbit/s
95th percentile per-packet one-way delay: 117.232 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 355.35 Mbit/s
95th percentile per-packet one-way delay: 116.109 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 337.18 Mbit/s
95th percentile per-packet one-way delay: 132.609 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 111.749 ms
Loss rate: 3.26%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 05:57:04

End at: 2018-06-30 05:57:34

Local clock offset: 1.396 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-30 10:42:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.16 Mbit/s

95th percentile per-packet one-way delay: 114.868 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 359.50 Mbit/s

95th percentile per-packet one-way delay: 114.955 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 200.83 Mbit/s

95th percentile per-packet one-way delay: 116.632 ms

Loss rate: 1.49%

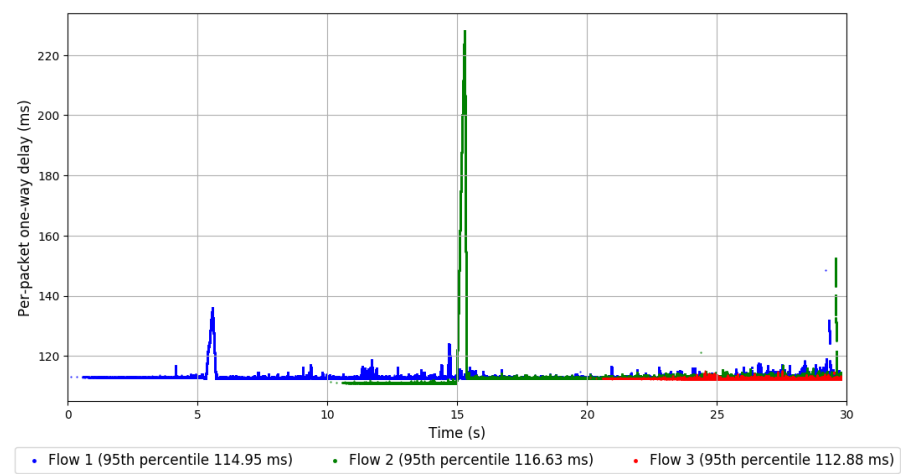
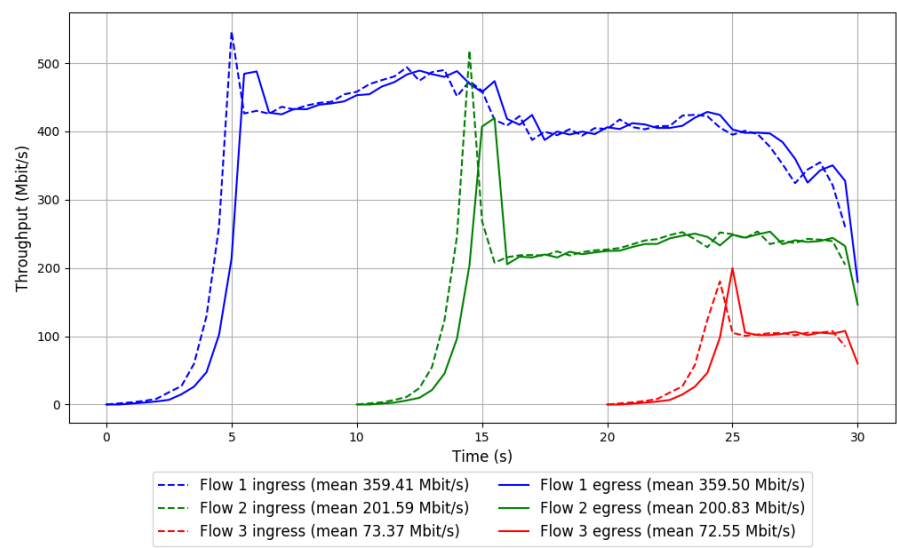
-- Flow 3:

Average throughput: 72.55 Mbit/s

95th percentile per-packet one-way delay: 112.878 ms

Loss rate: 3.37%

Run 4: Report of PCC-Vivace — Data Link

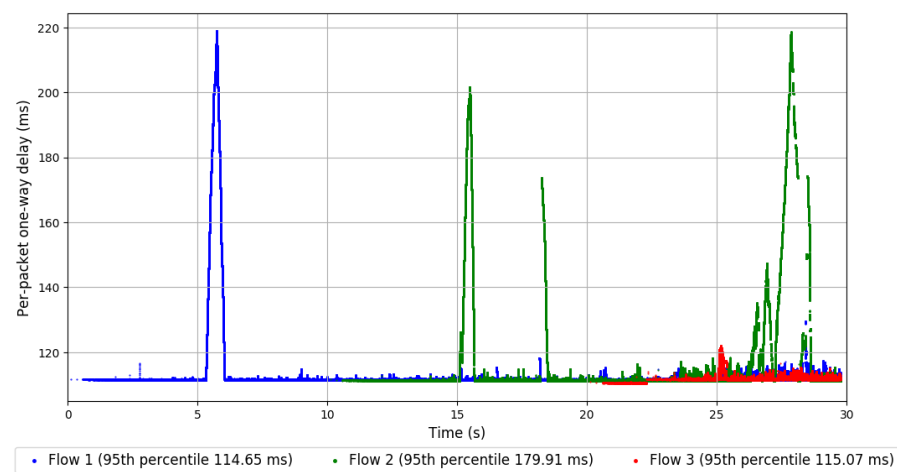
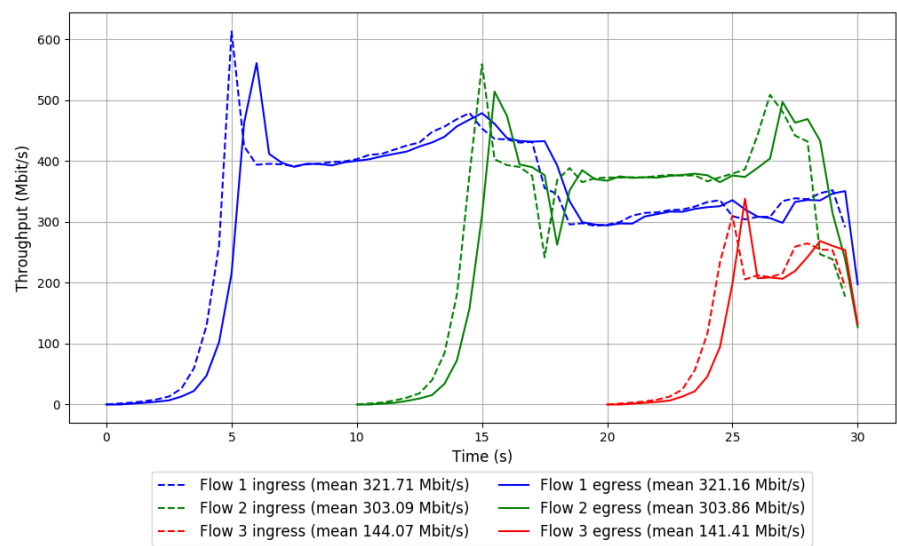


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 06:23:07
End at: 2018-06-30 06:23:37
Local clock offset: -0.184 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-06-30 10:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 568.42 Mbit/s
95th percentile per-packet one-way delay: 151.215 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 321.16 Mbit/s
95th percentile per-packet one-way delay: 114.654 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 303.86 Mbit/s
95th percentile per-packet one-way delay: 179.910 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 141.41 Mbit/s
95th percentile per-packet one-way delay: 115.066 ms
Loss rate: 4.04%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 06:48:43

End at: 2018-06-30 06:49:13

Local clock offset: 1.377 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2018-06-30 10:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 627.01 Mbit/s

95th percentile per-packet one-way delay: 116.724 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 362.62 Mbit/s

95th percentile per-packet one-way delay: 112.986 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 323.59 Mbit/s

95th percentile per-packet one-way delay: 130.922 ms

Loss rate: 1.42%

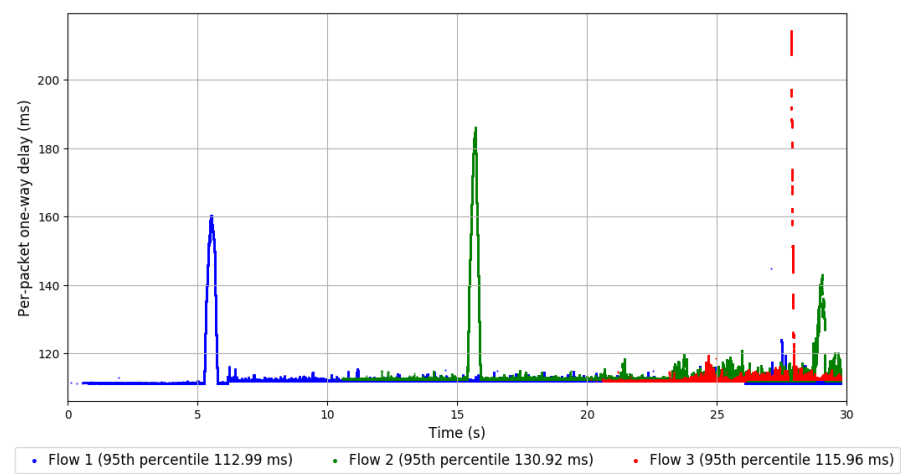
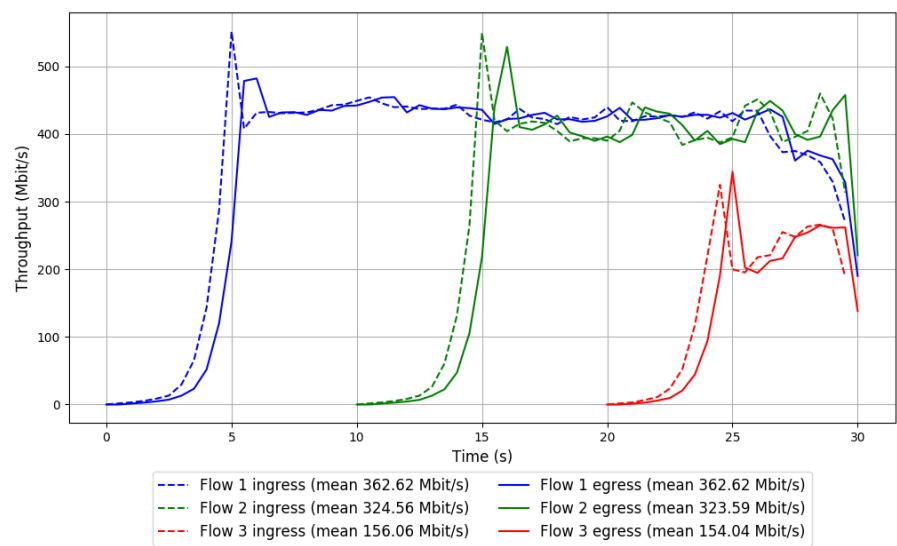
-- Flow 3:

Average throughput: 154.04 Mbit/s

95th percentile per-packet one-way delay: 115.962 ms

Loss rate: 3.52%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 07:14:42

End at: 2018-06-30 07:15:12

Local clock offset: -0.11 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2018-06-30 10:44:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 606.79 Mbit/s

95th percentile per-packet one-way delay: 121.059 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 364.62 Mbit/s

95th percentile per-packet one-way delay: 115.600 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 330.10 Mbit/s

95th percentile per-packet one-way delay: 157.830 ms

Loss rate: 1.73%

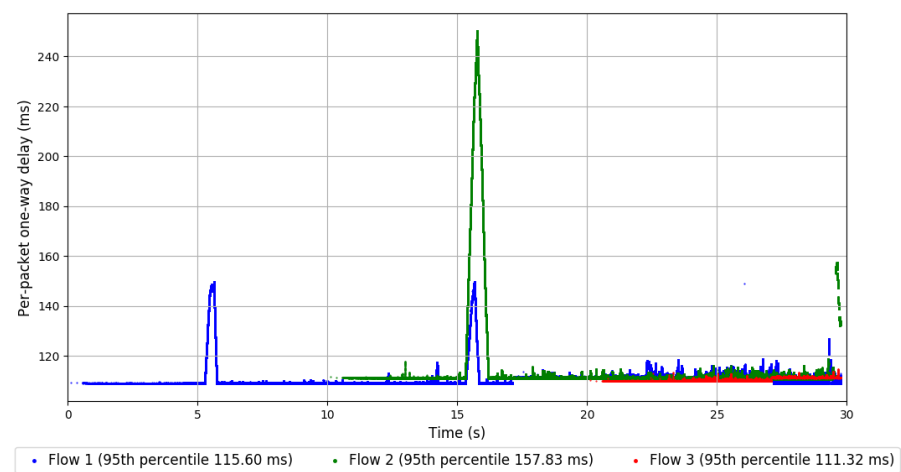
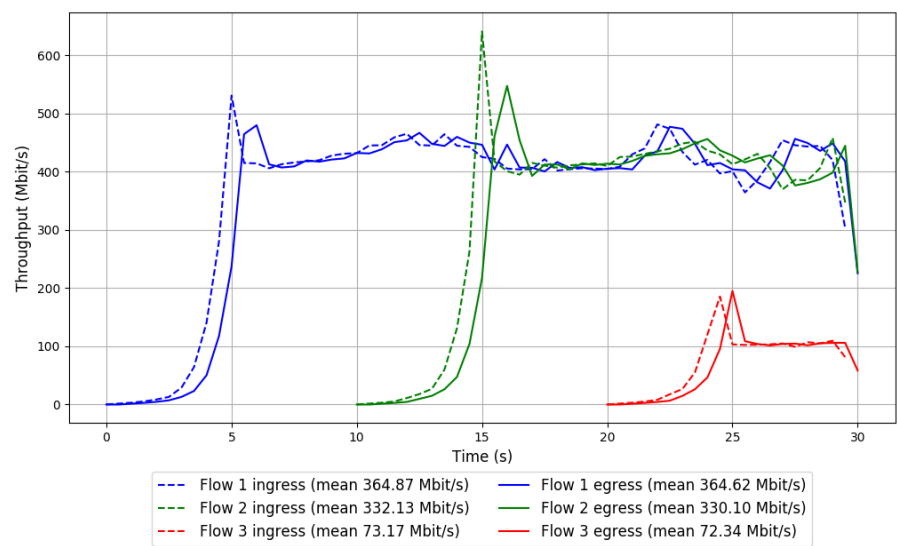
-- Flow 3:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 111.320 ms

Loss rate: 3.38%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 07:40:52

End at: 2018-06-30 07:41:22

Local clock offset: -0.069 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-06-30 10:44:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 578.93 Mbit/s

95th percentile per-packet one-way delay: 124.205 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 307.39 Mbit/s

95th percentile per-packet one-way delay: 113.476 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 305.20 Mbit/s

95th percentile per-packet one-way delay: 125.999 ms

Loss rate: 1.24%

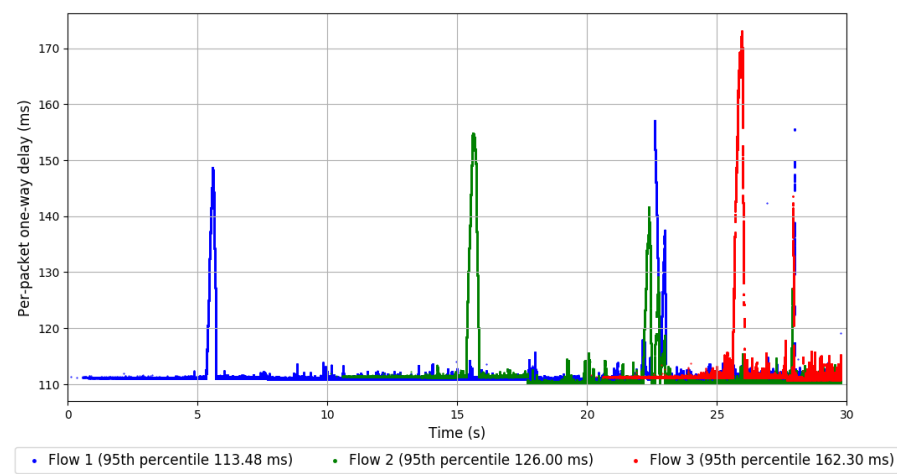
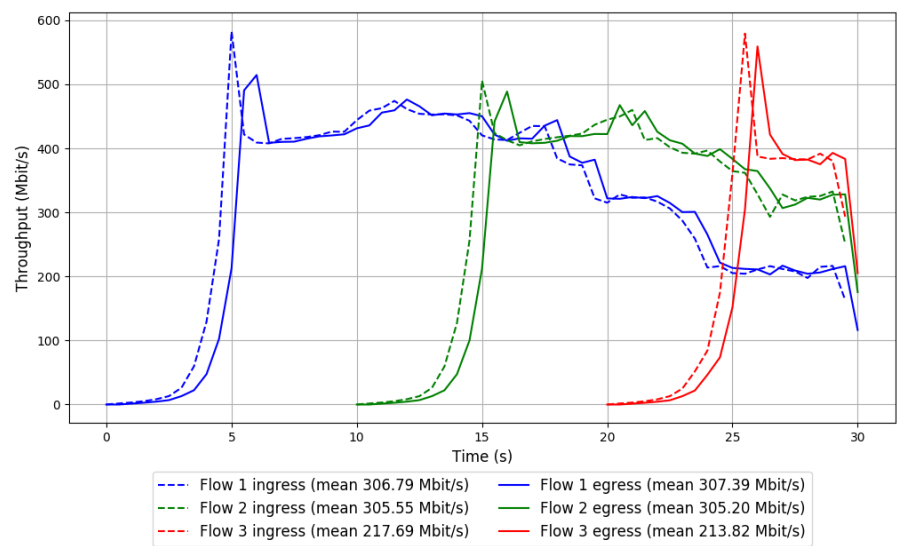
-- Flow 3:

Average throughput: 213.82 Mbit/s

95th percentile per-packet one-way delay: 162.303 ms

Loss rate: 4.07%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 08:06:42

End at: 2018-06-30 08:07:12

Local clock offset: -0.215 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2018-06-30 10:45:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 540.19 Mbit/s

95th percentile per-packet one-way delay: 112.193 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 361.26 Mbit/s

95th percentile per-packet one-way delay: 112.567 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 204.59 Mbit/s

95th percentile per-packet one-way delay: 111.536 ms

Loss rate: 2.00%

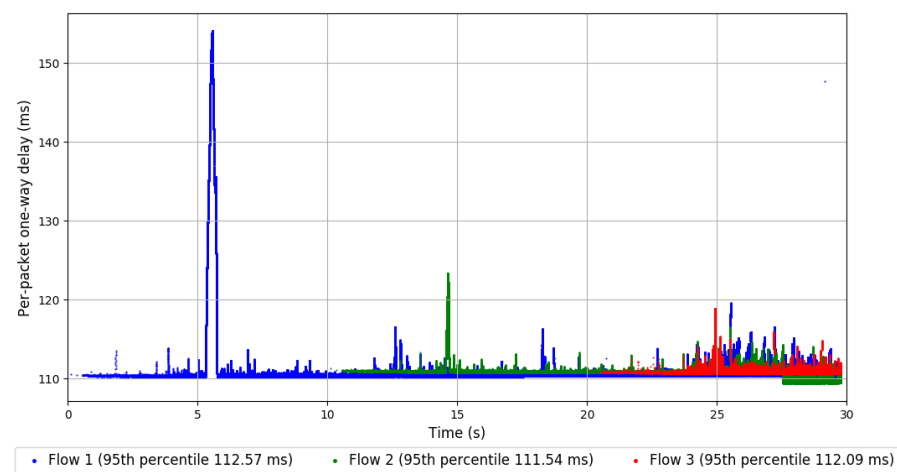
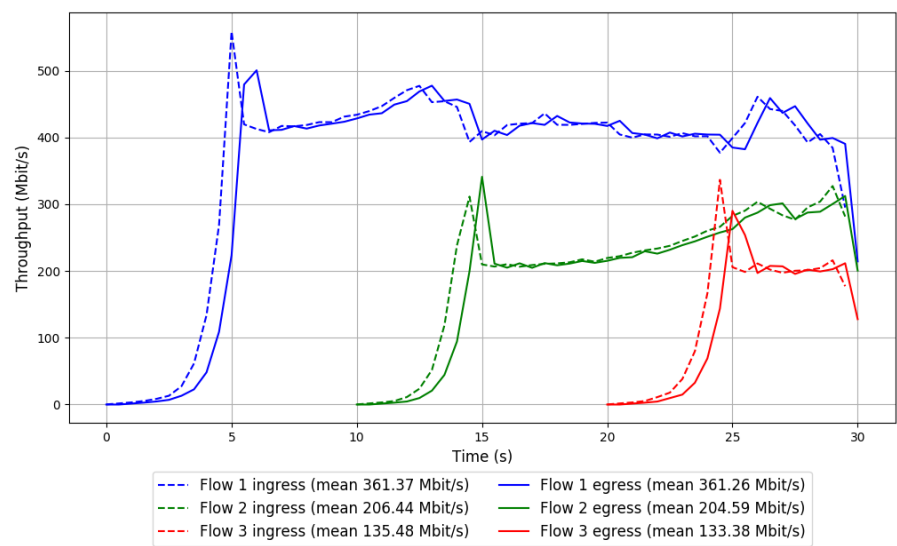
-- Flow 3:

Average throughput: 133.38 Mbit/s

95th percentile per-packet one-way delay: 112.087 ms

Loss rate: 3.78%

Run 9: Report of PCC-Vivace — Data Link

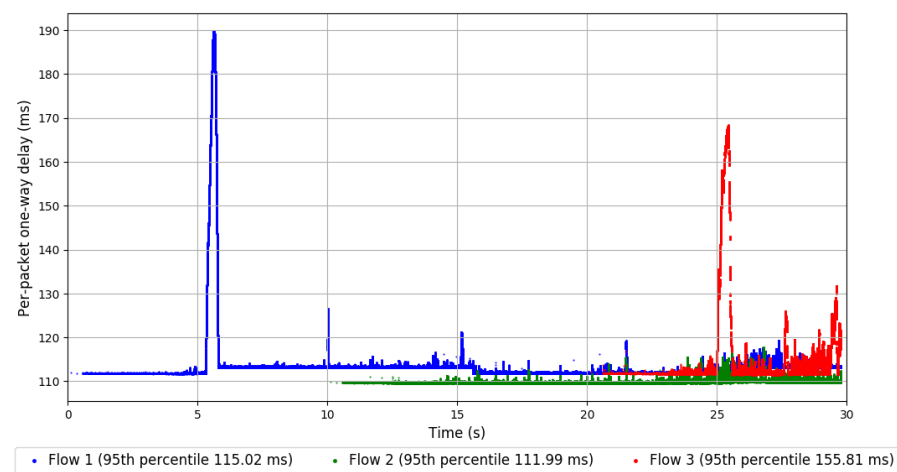
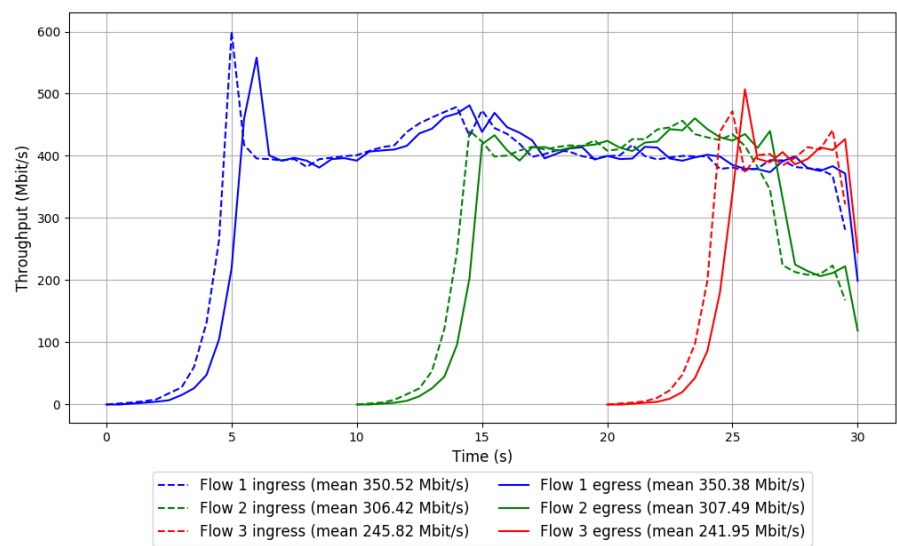


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 08:32:24
End at: 2018-06-30 08:32:54
Local clock offset: -0.001 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-06-30 10:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 632.60 Mbit/s
95th percentile per-packet one-way delay: 116.478 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 350.38 Mbit/s
95th percentile per-packet one-way delay: 115.021 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 307.49 Mbit/s
95th percentile per-packet one-way delay: 111.993 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 241.95 Mbit/s
95th percentile per-packet one-way delay: 155.807 ms
Loss rate: 3.81%

Run 10: Report of PCC-Vivace — Data Link

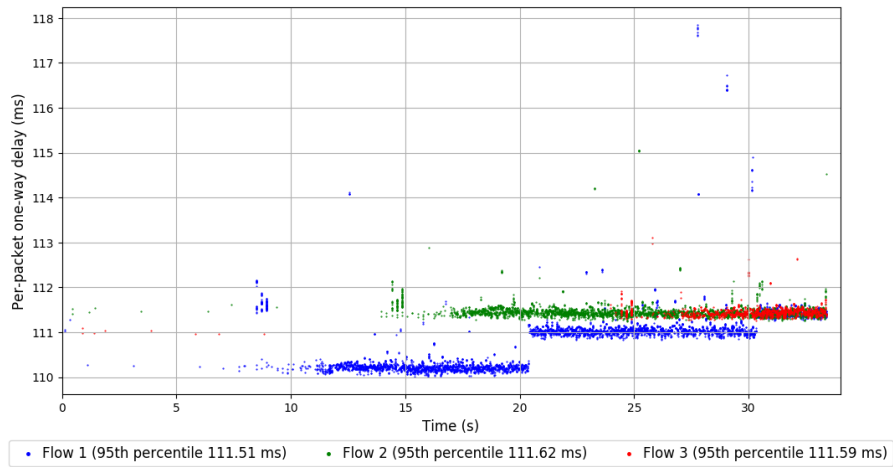
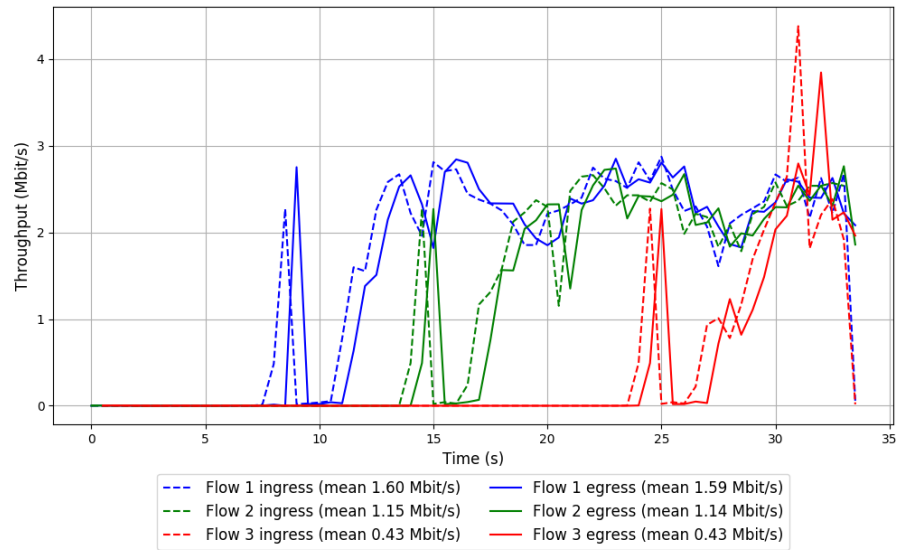


Run 1: Statistics of WebRTC media

Start at: 2018-06-30 04:37:32
End at: 2018-06-30 04:38:02
Local clock offset: -0.026 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-30 10:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 111.582 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 111.514 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 111.625 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.590 ms
Loss rate: 1.81%

Run 1: Report of WebRTC media — Data Link

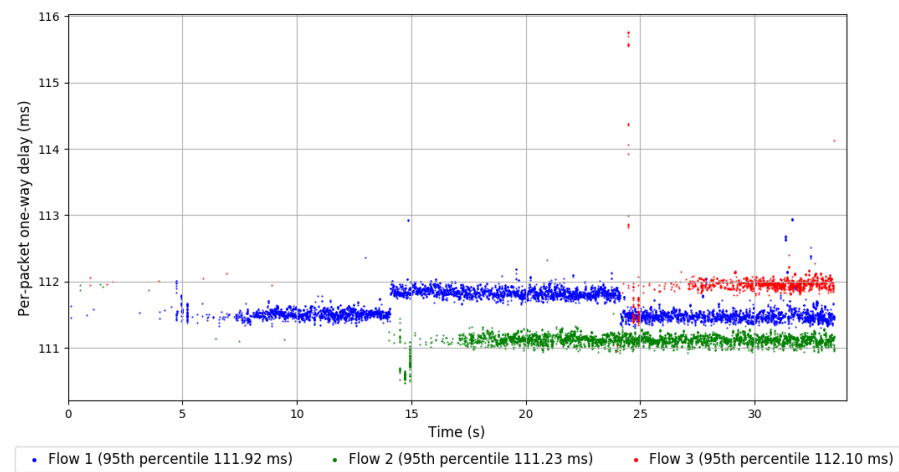
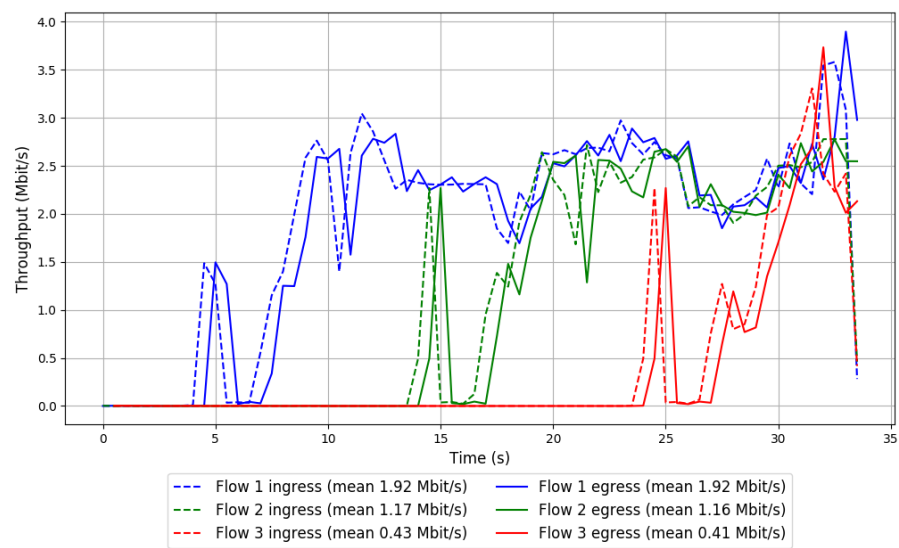


Run 2: Statistics of WebRTC media

Start at: 2018-06-30 05:02:49
End at: 2018-06-30 05:03:19
Local clock offset: 0.268 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-30 10:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 111.983 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.916 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 111.229 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 112.096 ms
Loss rate: 4.69%

Run 2: Report of WebRTC media — Data Link

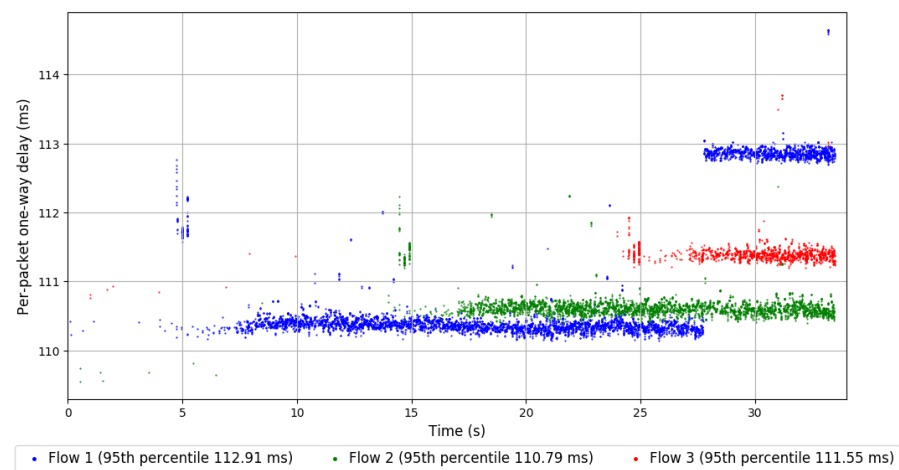
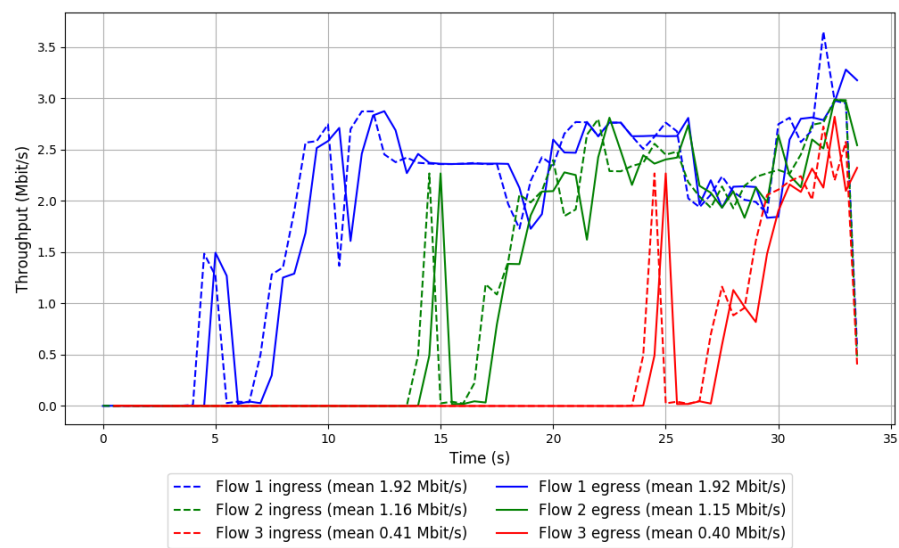


Run 3: Statistics of WebRTC media

Start at: 2018-06-30 05:28:15
End at: 2018-06-30 05:28:45
Local clock offset: -0.226 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-06-30 10:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 112.878 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 112.910 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 110.789 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.546 ms
Loss rate: 3.83%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-30 05:54:27

End at: 2018-06-30 05:54:57

Local clock offset: -0.045 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-06-30 10:45:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 111.044 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 110.854 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 111.107 ms

Loss rate: 1.21%

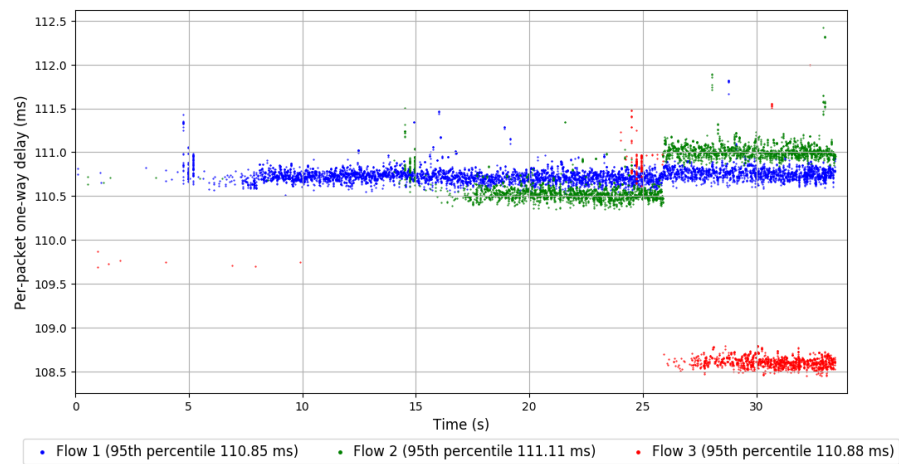
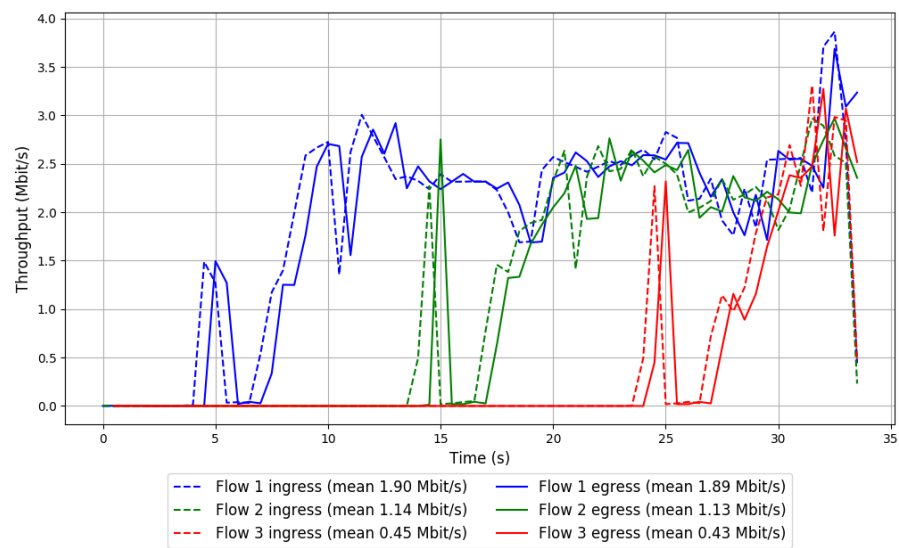
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 110.877 ms

Loss rate: 4.66%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-30 06:20:35

End at: 2018-06-30 06:21:05

Local clock offset: 1.168 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-06-30 10:45:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 112.708 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 112.412 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 112.715 ms

Loss rate: 1.77%

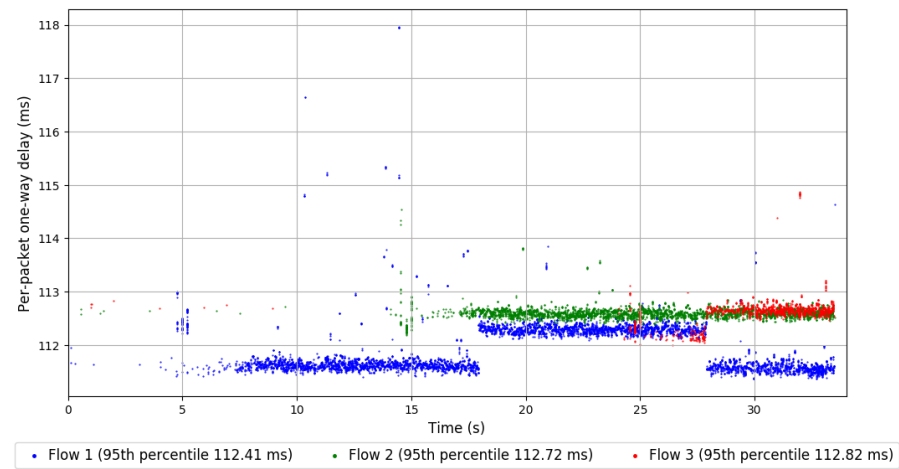
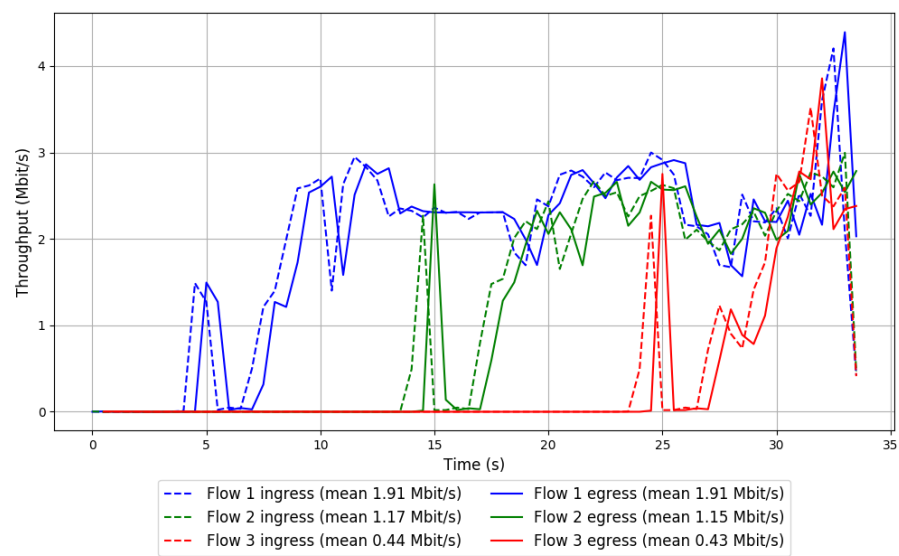
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.816 ms

Loss rate: 4.23%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-30 06:46:08

End at: 2018-06-30 06:46:38

Local clock offset: 0.044 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-06-30 10:45:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.43 Mbit/s

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

Loss rate: 1.18%

-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 111.683 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 111.362 ms

Loss rate: 1.63%

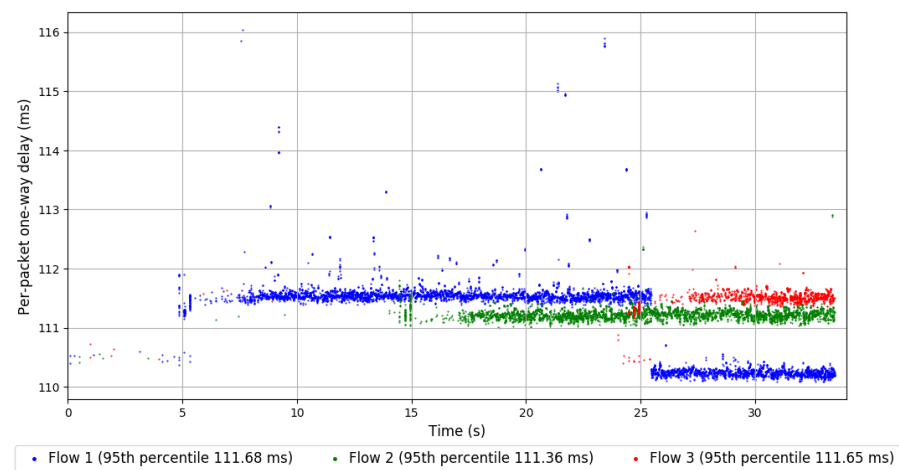
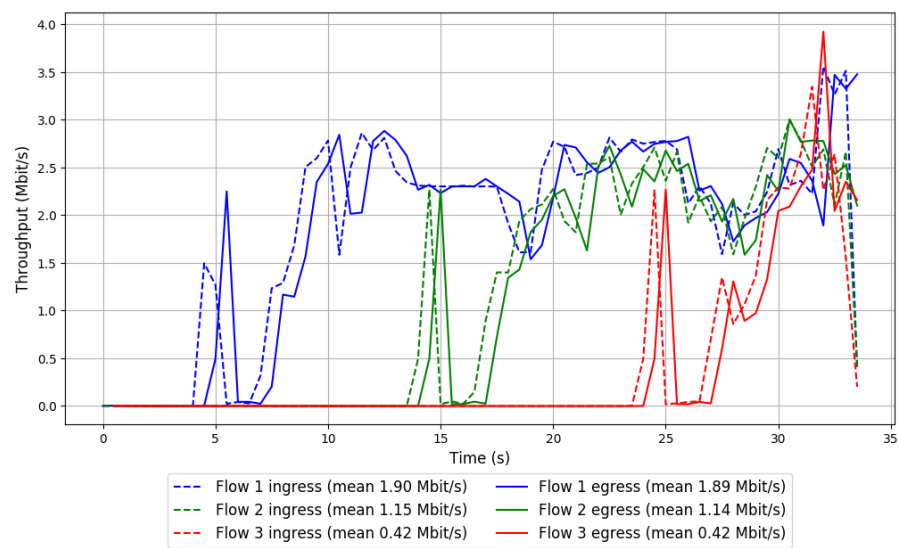
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 111.654 ms

Loss rate: 0.91%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-30 07:12:05

End at: 2018-06-30 07:12:35

Local clock offset: 1.207 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-06-30 10:45:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 112.893 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 111.771 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 112.933 ms

Loss rate: 1.10%

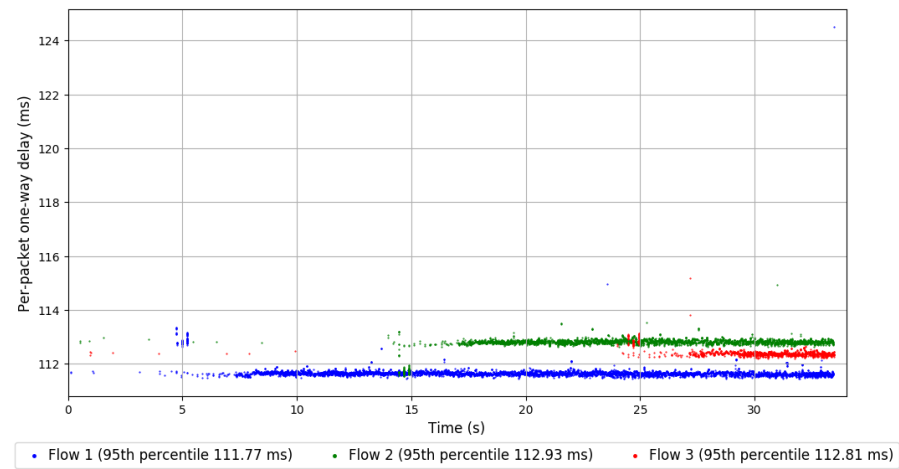
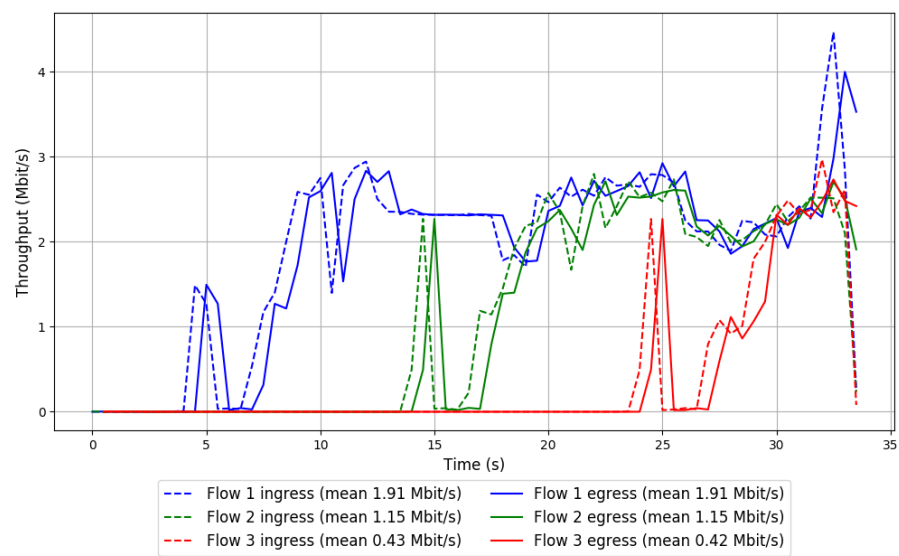
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 112.808 ms

Loss rate: 3.09%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-30 07:38:13

End at: 2018-06-30 07:38:43

Local clock offset: 1.316 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-30 10:45:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 112.878 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 112.891 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 112.799 ms

Loss rate: 1.53%

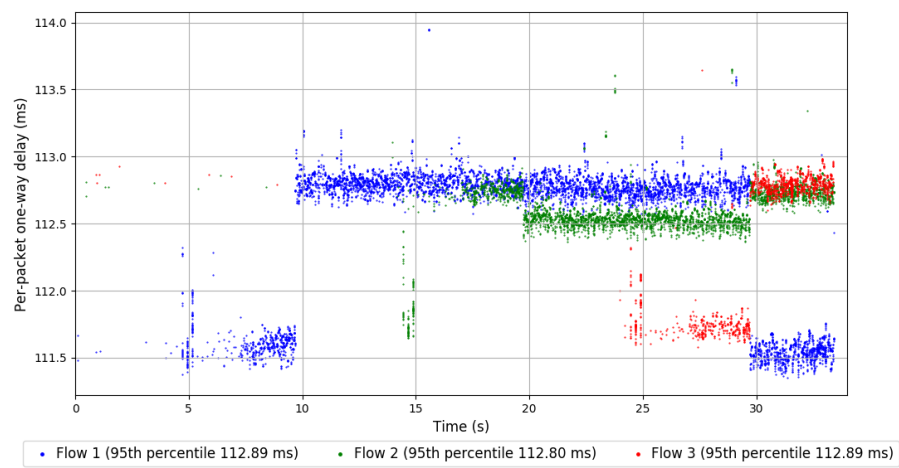
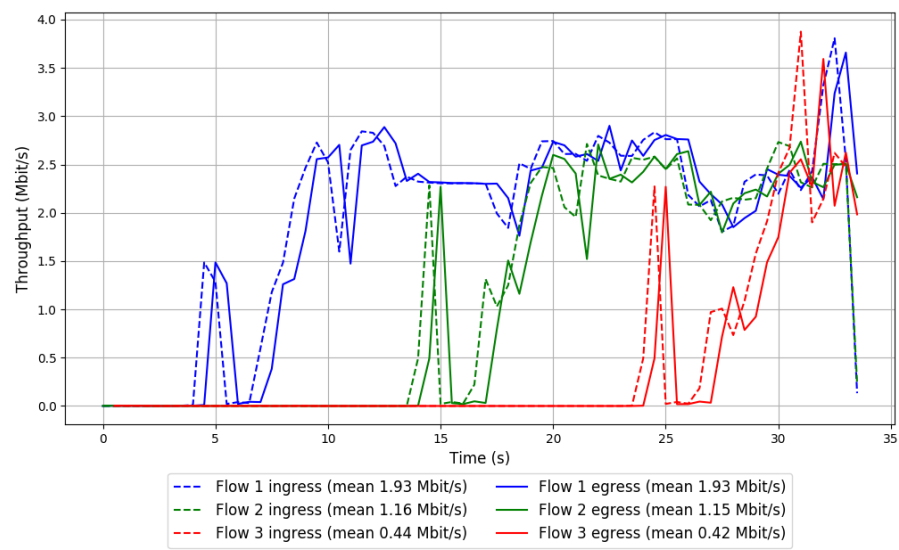
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 112.891 ms

Loss rate: 4.03%

Run 8: Report of WebRTC media — Data Link

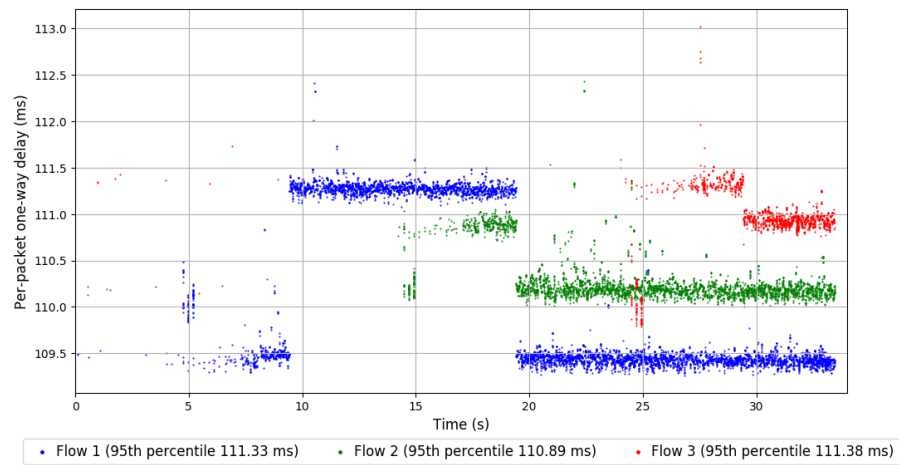
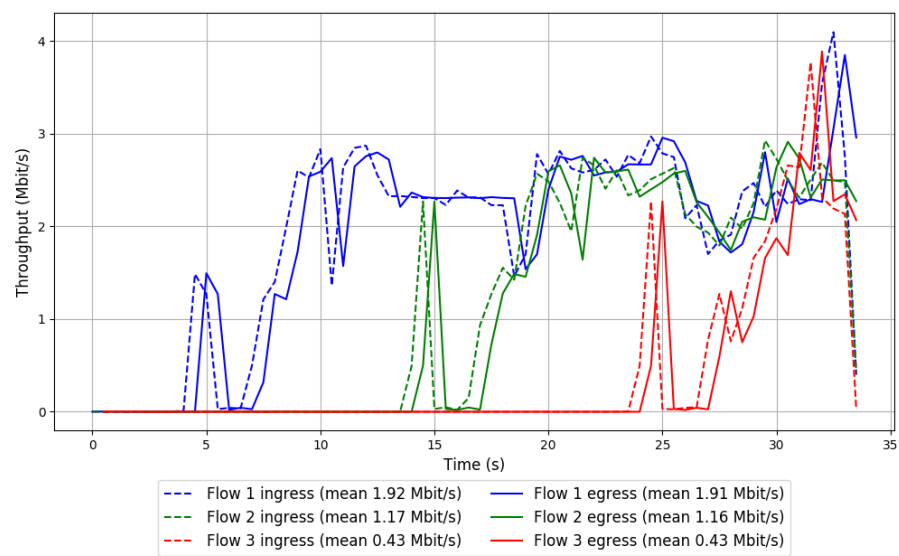


Run 9: Statistics of WebRTC media

Start at: 2018-06-30 08:04:04
End at: 2018-06-30 08:04:34
Local clock offset: -0.252 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-30 10:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 111.318 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.329 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 110.893 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.378 ms
Loss rate: 1.77%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 08:29:48
End at: 2018-06-30 08:30:18
Local clock offset: -0.04 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-06-30 10:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 113.254 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 113.275 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 111.896 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.671 ms
Loss rate: 4.22%

Run 10: Report of WebRTC media — Data Link

