

Pantheon Report

Generated at 2018-07-25 08:57:07 (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.

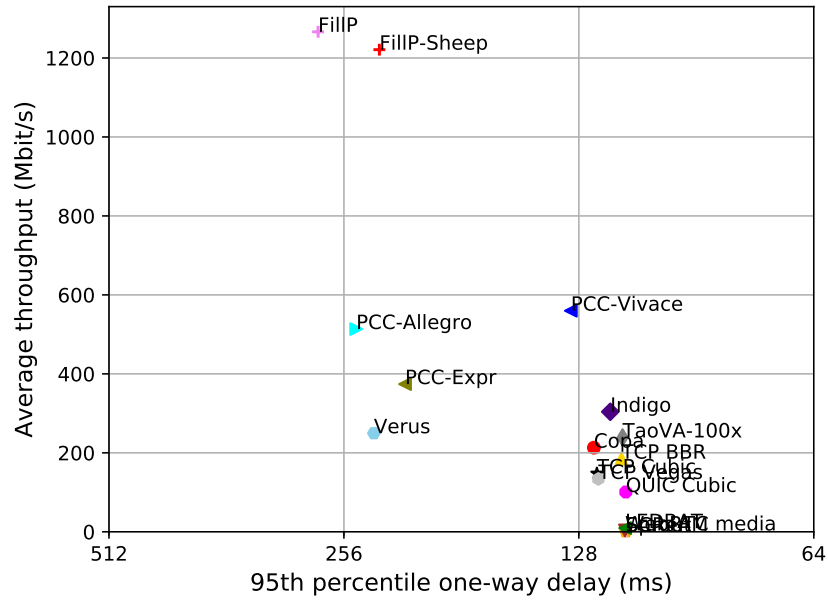
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

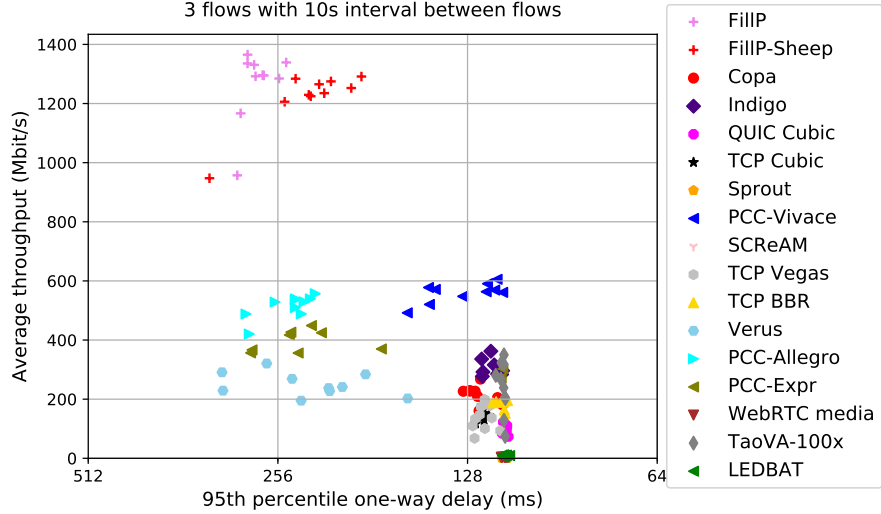
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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	95.02	93.34	86.44	112.01	113.09	114.17	0.83	1.22	2.70
Copa	10	122.59	94.36	87.47	122.60	121.78	121.81	0.51	1.26	2.49
TCP Cubic	10	89.52	64.40	48.42	121.65	118.87	118.06	1.01	2.05	4.22
FillP	10	702.55	590.31	527.92	274.37	274.10	245.47	4.00	3.76	4.83
FillP-Sheep	10	638.86	633.82	496.38	235.50	210.28	193.18	2.50	2.94	4.46
Indigo	10	163.00	150.28	126.49	114.67	117.85	121.73	0.77	1.19	2.80
LEDBAT	10	6.21	3.78	2.04	111.68	111.65	111.38	1.74	2.54	4.79
PCC-Allegro	10	470.68	48.17	35.77	247.87	242.96	222.48	4.27	4.52	6.63
PCC-Expr	10	237.75	171.16	70.55	197.68	202.78	179.59	2.57	3.35	6.21
QUIC Cubic	10	58.57	45.25	36.93	111.38	110.98	110.78	0.99	1.44	2.99
SCReAM	10	0.21	0.22	0.22	111.27	111.35	111.42	0.71	1.24	2.21
Sprout	10	0.20	0.24	0.27	111.41	111.19	111.11	0.72	0.93	1.72
TaoVA-100x	10	140.73	102.71	94.63	111.84	112.50	113.13	0.60	1.74	1.81
TCP Vegas	10	78.85	61.51	43.74	120.46	118.34	117.71	0.74	1.49	2.87
Verus	10	175.40	77.94	71.26	234.22	210.20	219.24	2.57	2.08	4.73
PCC-Vivace	10	323.08	285.71	146.20	138.24	127.95	128.03	0.76	1.29	3.58
WebRTC media	10	1.88	1.18	0.41	111.57	111.58	111.65	1.01	1.56	2.96

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 01:51:28

End at: 2018-07-25 01:51:58

Local clock offset: 0.018 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2018-07-25 06:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.80 Mbit/s

95th percentile per-packet one-way delay: 111.562 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 111.531 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 75.73 Mbit/s

95th percentile per-packet one-way delay: 111.459 ms

Loss rate: 0.92%

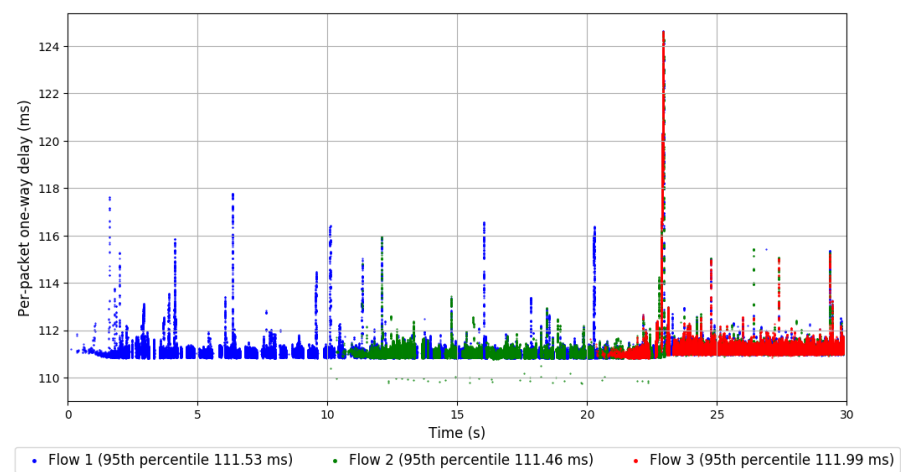
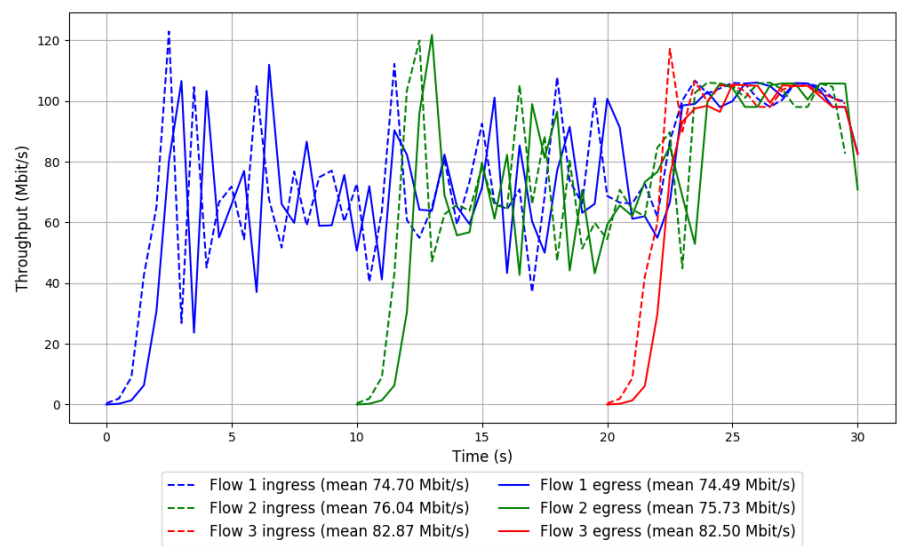
-- Flow 3:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 111.992 ms

Loss rate: 2.68%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 02:17:54

End at: 2018-07-25 02:18:24

Local clock offset: 0.036 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-25 06:33:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 163.51 Mbit/s

95th percentile per-packet one-way delay: 111.911 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 88.27 Mbit/s

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

Loss rate: 0.94%

-- Flow 2:

Average throughput: 78.74 Mbit/s

95th percentile per-packet one-way delay: 112.007 ms

Loss rate: 1.39%

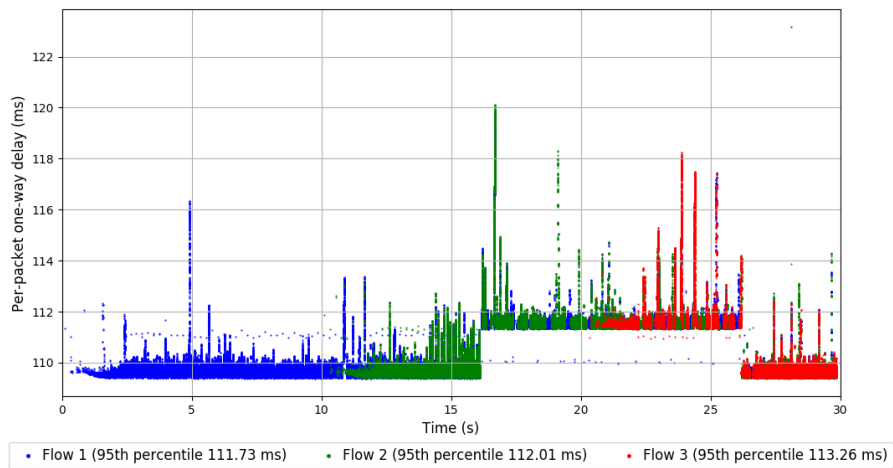
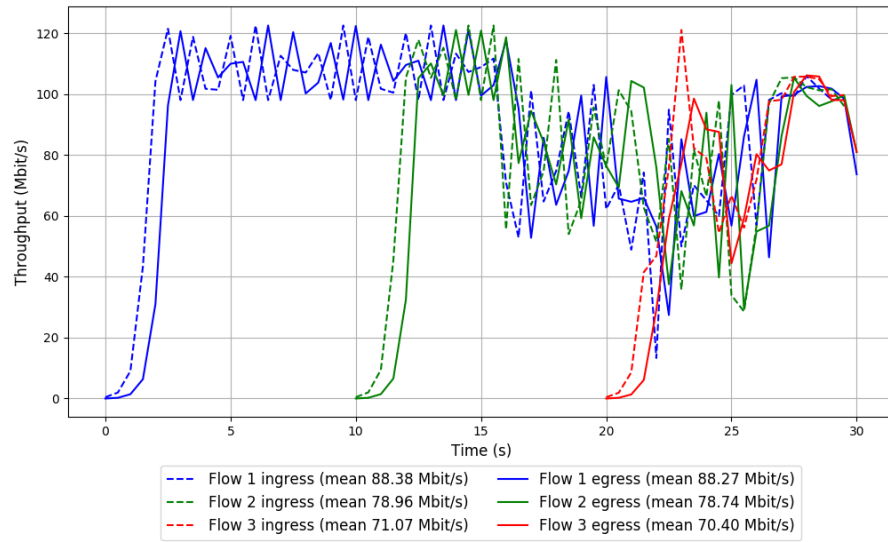
-- Flow 3:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 113.258 ms

Loss rate: 3.16%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-25 02:44:19

End at: 2018-07-25 02:44:49

Local clock offset: 0.075 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-25 06:34:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 192.76 Mbit/s

95th percentile per-packet one-way delay: 112.646 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 99.37 Mbit/s

95th percentile per-packet one-way delay: 111.318 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 113.250 ms

Loss rate: 1.26%

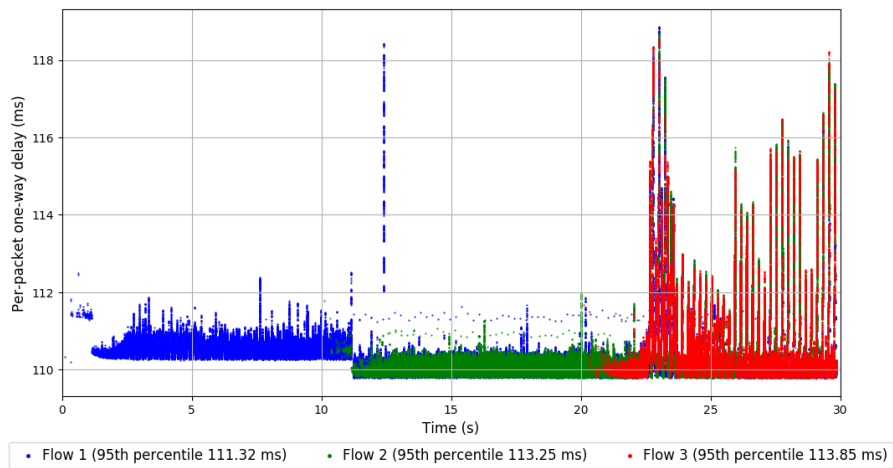
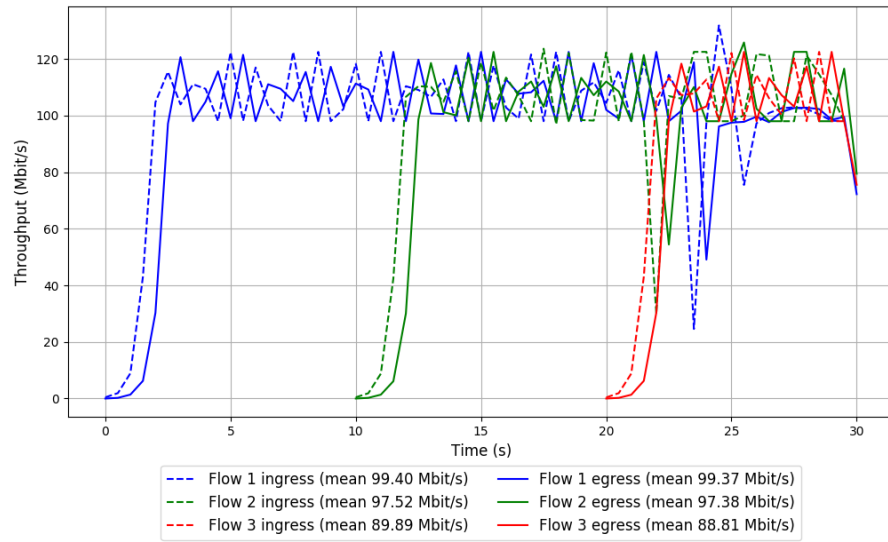
-- Flow 3:

Average throughput: 88.81 Mbit/s

95th percentile per-packet one-way delay: 113.848 ms

Loss rate: 2.64%

Run 3: Report of TCP BBR — Data Link

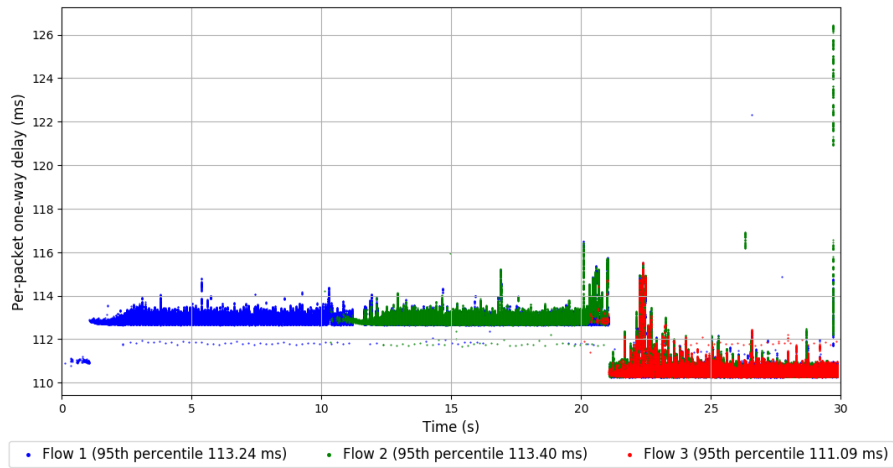
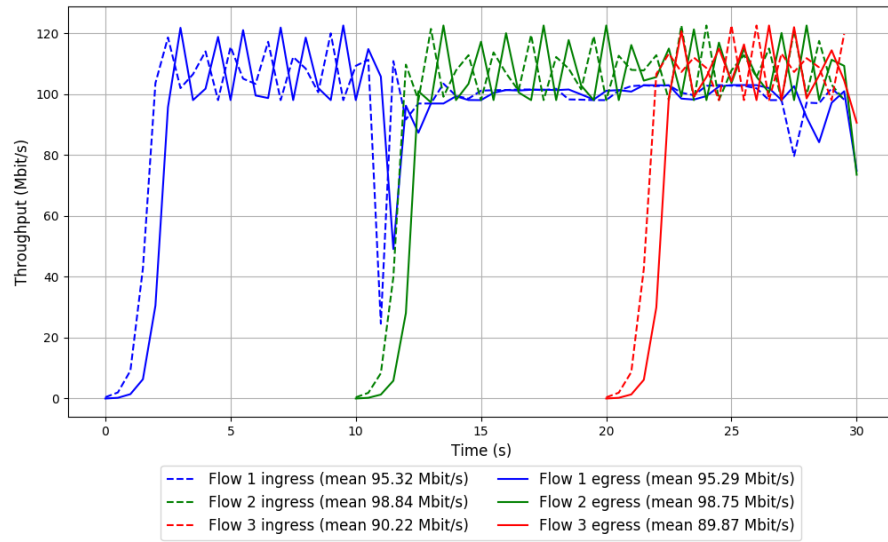


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 03:11:30
End at: 2018-07-25 03:12:00
Local clock offset: 0.181 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-07-25 06:34:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.00 Mbit/s
95th percentile per-packet one-way delay: 113.243 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 113.236 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 98.75 Mbit/s
95th percentile per-packet one-way delay: 113.402 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 111.087 ms
Loss rate: 2.62%

Run 4: Report of TCP BBR — Data Link

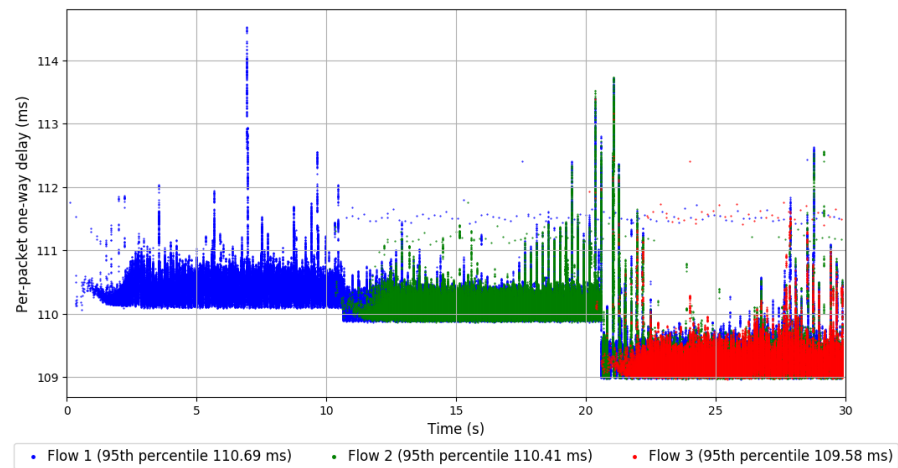
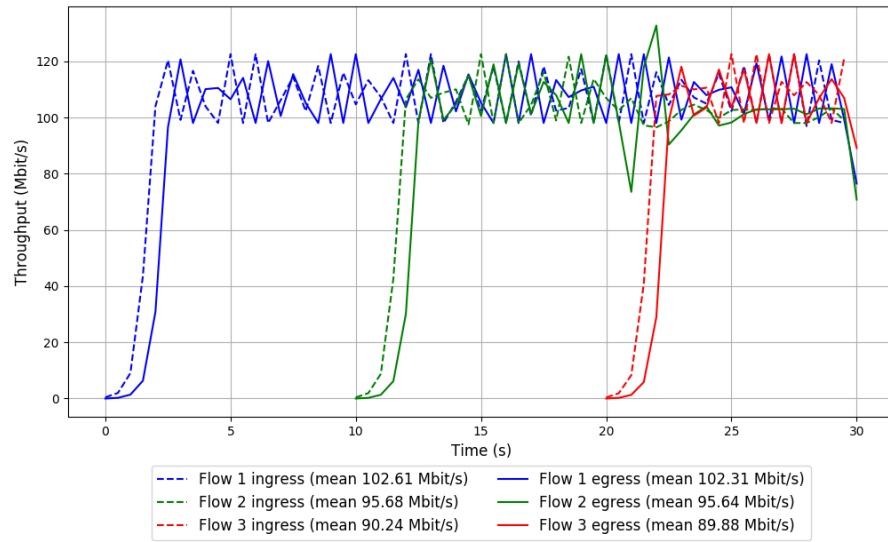


Run 5: Statistics of TCP BBR

Start at: 2018-07-25 03:38:00
End at: 2018-07-25 03:38:30
Local clock offset: 0.172 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-25 06:34:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.19 Mbit/s
95th percentile per-packet one-way delay: 110.612 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 102.31 Mbit/s
95th percentile per-packet one-way delay: 110.689 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 110.407 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 109.575 ms
Loss rate: 2.64%

Run 5: Report of TCP BBR — Data Link

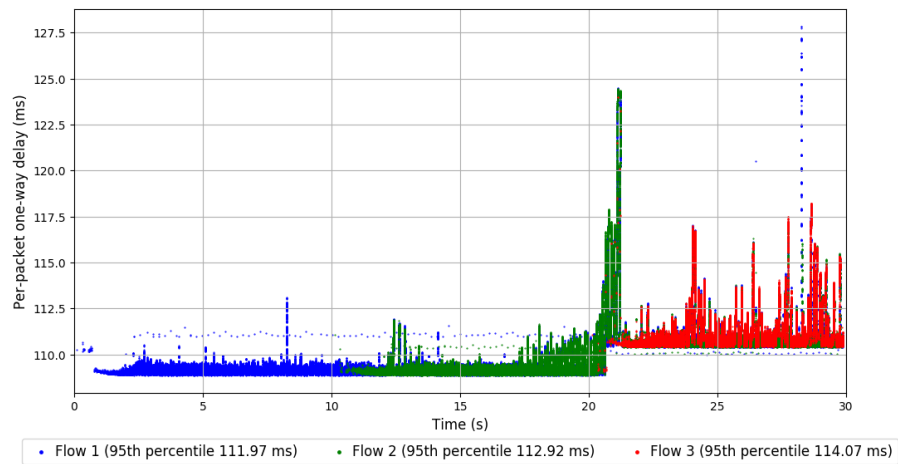
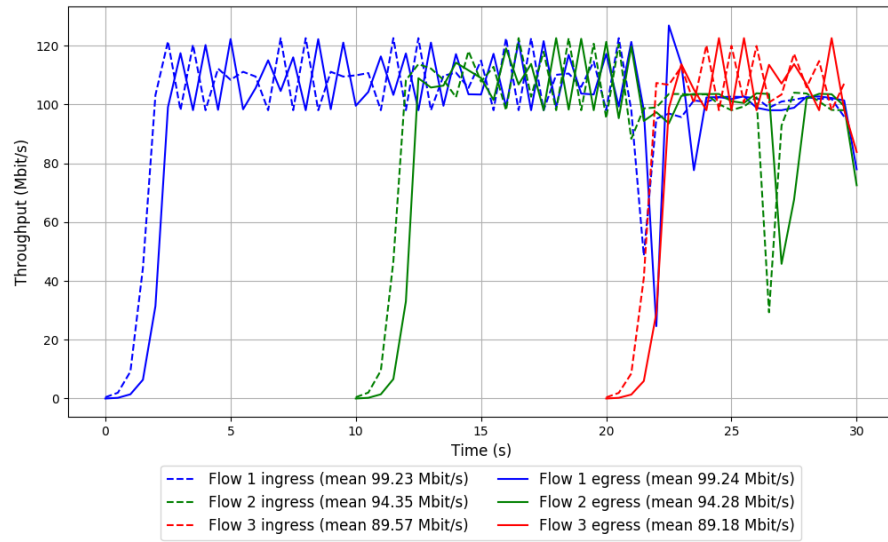


Run 6: Statistics of TCP BBR

Start at: 2018-07-25 04:04:10
End at: 2018-07-25 04:04:40
Local clock offset: 0.072 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-25 06:34:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.87 Mbit/s
95th percentile per-packet one-way delay: 112.876 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 99.24 Mbit/s
95th percentile per-packet one-way delay: 111.972 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 112.916 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 114.066 ms
Loss rate: 2.67%

Run 6: Report of TCP BBR — Data Link

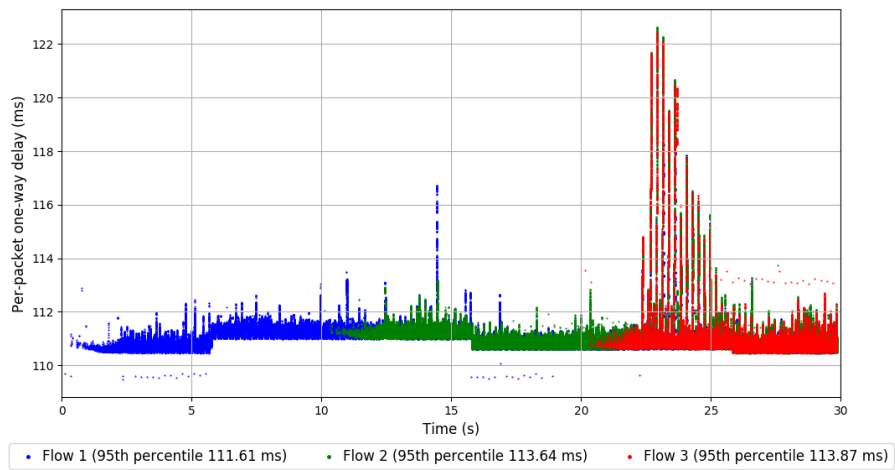
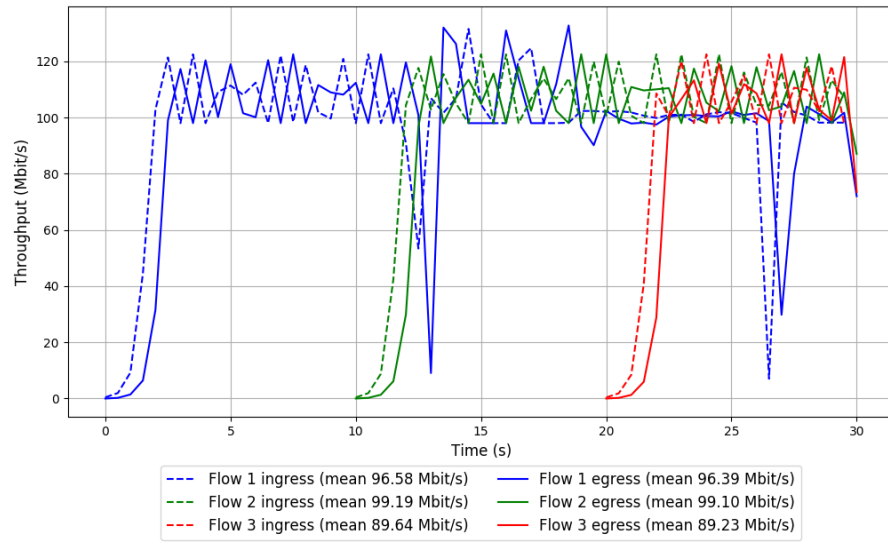


Run 7: Statistics of TCP BBR

Start at: 2018-07-25 04:30:35
End at: 2018-07-25 04:31:05
Local clock offset: -0.049 ms
Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-07-25 06:34:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.12 Mbit/s
95th percentile per-packet one-way delay: 112.127 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 111.609 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 99.10 Mbit/s
95th percentile per-packet one-way delay: 113.636 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 113.866 ms
Loss rate: 2.76%

Run 7: Report of TCP BBR — Data Link

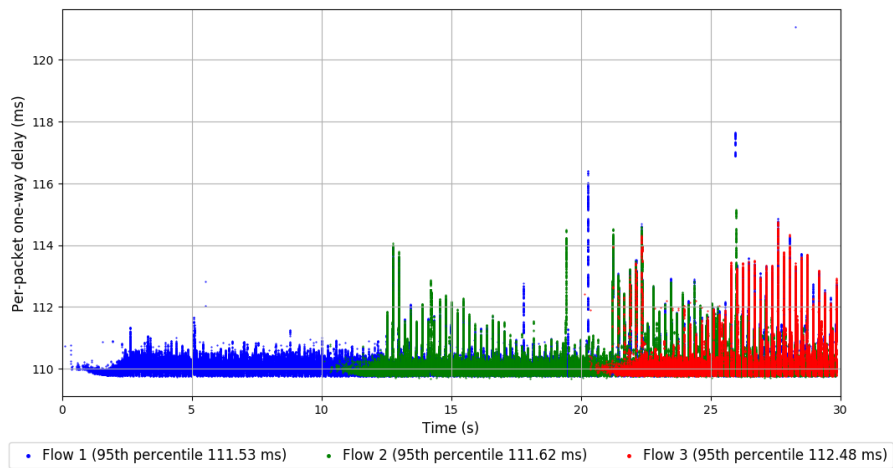
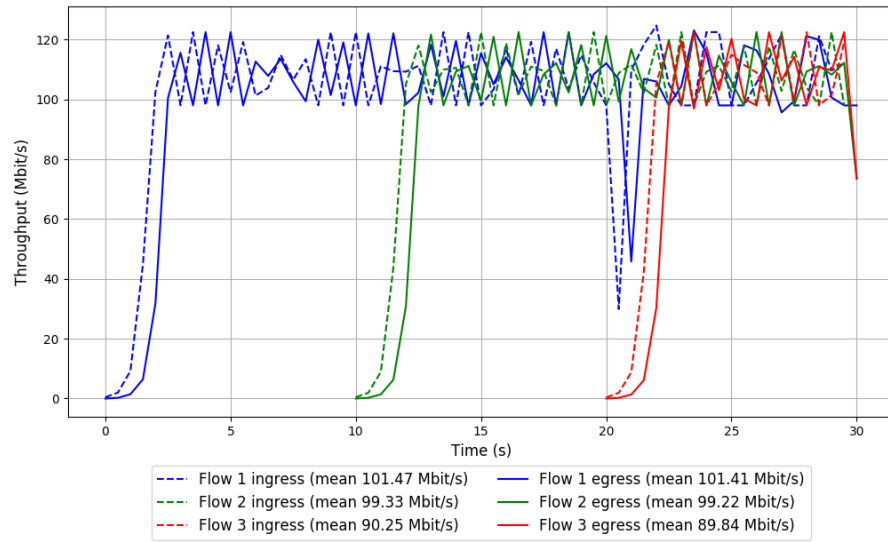


Run 8: Statistics of TCP BBR

Start at: 2018-07-25 04:56:55
End at: 2018-07-25 04:57:25
Local clock offset: 0.037 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-25 06:34:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.47 Mbit/s
95th percentile per-packet one-way delay: 111.745 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 101.41 Mbit/s
95th percentile per-packet one-way delay: 111.532 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 99.22 Mbit/s
95th percentile per-packet one-way delay: 111.621 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 112.476 ms
Loss rate: 2.73%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-25 05:23:06

End at: 2018-07-25 05:23:36

Local clock offset: 0.028 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-07-25 06:36:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 187.75 Mbit/s

95th percentile per-packet one-way delay: 116.728 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 112.566 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 116.746 ms

Loss rate: 1.20%

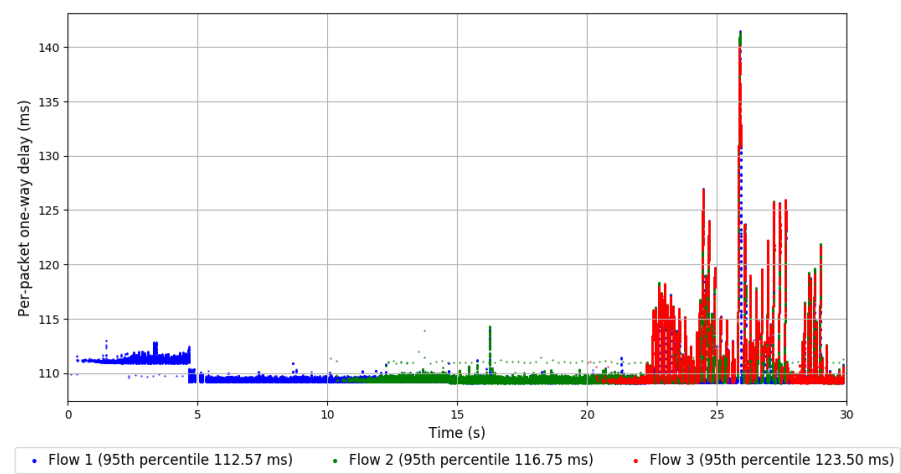
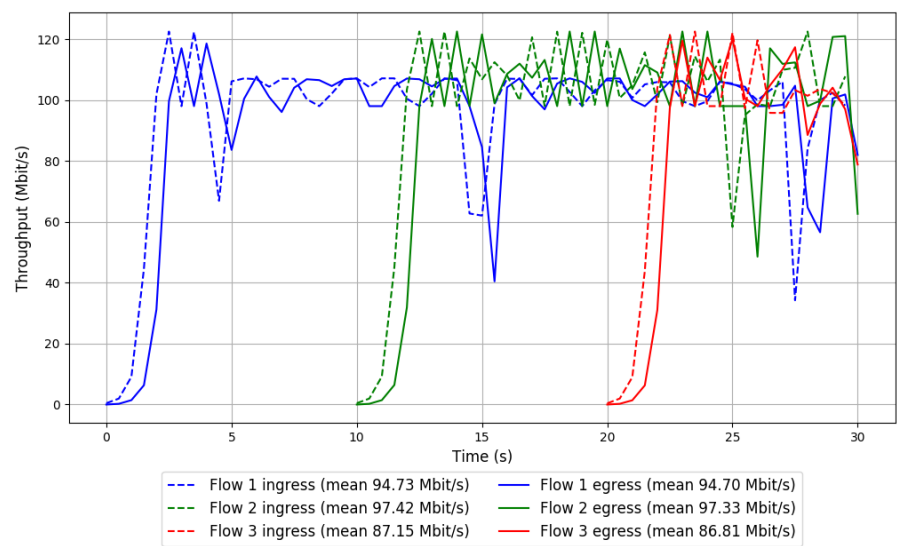
-- Flow 3:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 123.501 ms

Loss rate: 2.53%

Run 9: Report of TCP BBR — Data Link

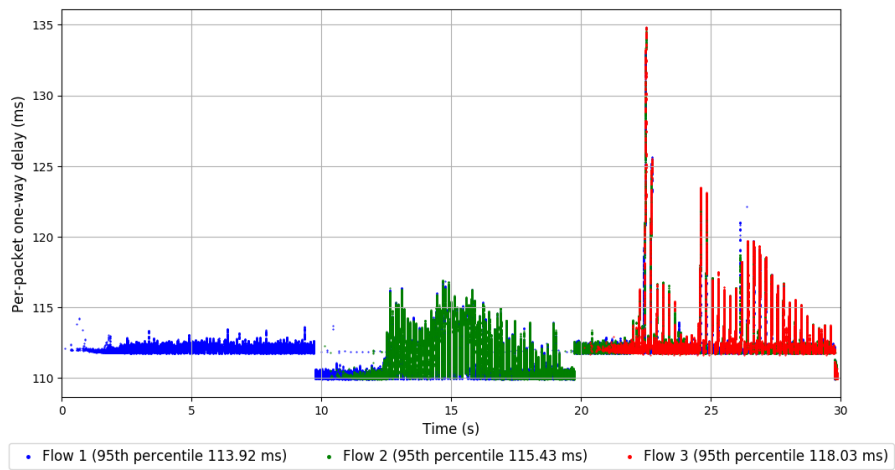
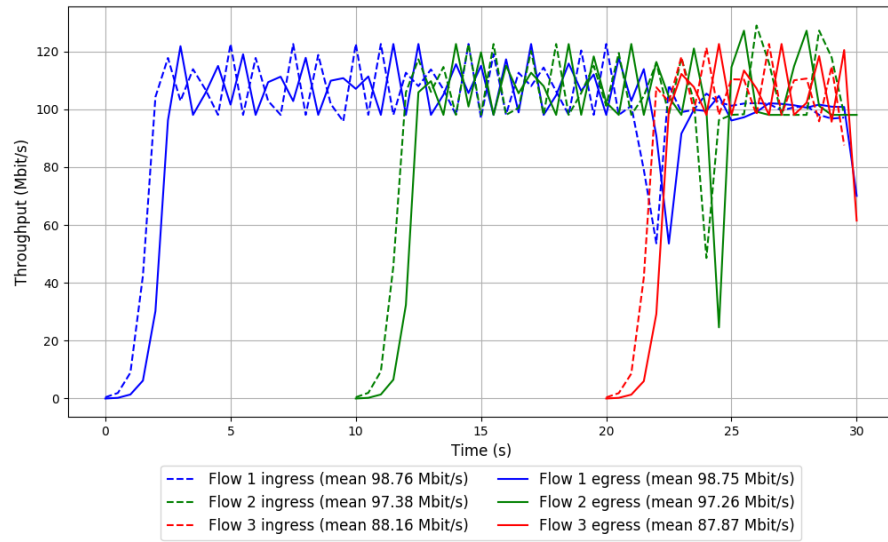


Run 10: Statistics of TCP BBR

Start at: 2018-07-25 05:49:41
End at: 2018-07-25 05:50:11
Local clock offset: 0.198 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-25 06:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.74 Mbit/s
95th percentile per-packet one-way delay: 115.317 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 98.75 Mbit/s
95th percentile per-packet one-way delay: 113.920 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 115.429 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 118.027 ms
Loss rate: 2.56%

Run 10: Report of TCP BBR — Data Link

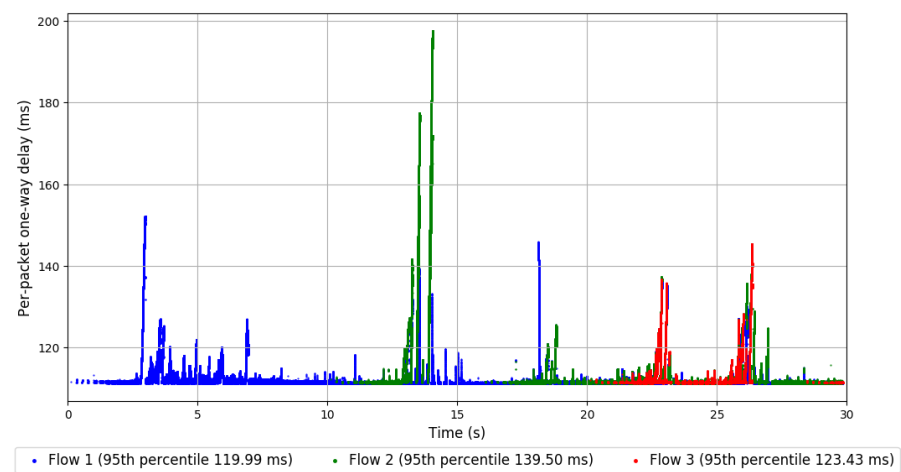
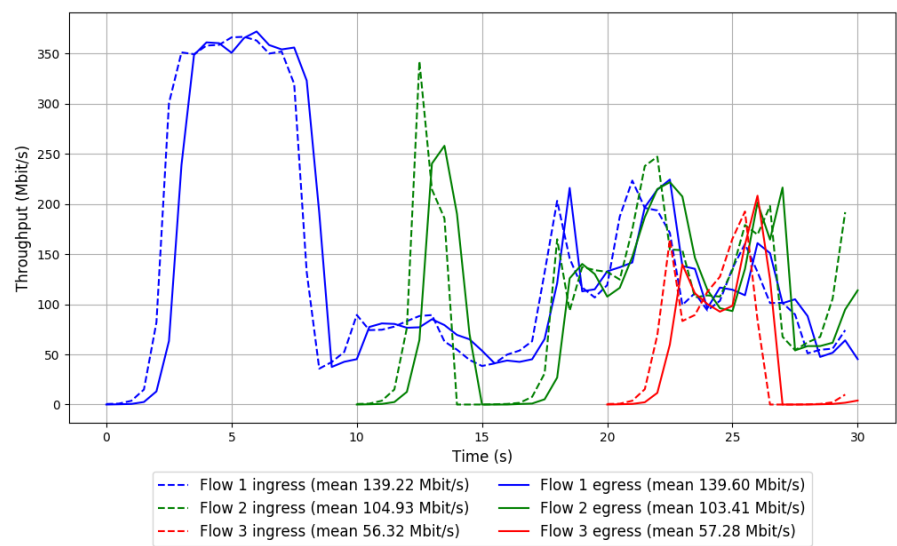


Run 1: Statistics of Copa

Start at: 2018-07-25 01:52:50
End at: 2018-07-25 01:53:20
Local clock offset: -0.061 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-07-25 06:40:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.83 Mbit/s
95th percentile per-packet one-way delay: 124.504 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 139.60 Mbit/s
95th percentile per-packet one-way delay: 119.987 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 103.41 Mbit/s
95th percentile per-packet one-way delay: 139.505 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 123.426 ms
Loss rate: 0.56%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-25 02:19:17

End at: 2018-07-25 02:19:47

Local clock offset: 0.401 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-07-25 06:40:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 160.65 Mbit/s

95th percentile per-packet one-way delay: 122.719 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 122.897 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 51.23 Mbit/s

95th percentile per-packet one-way delay: 118.788 ms

Loss rate: 1.52%

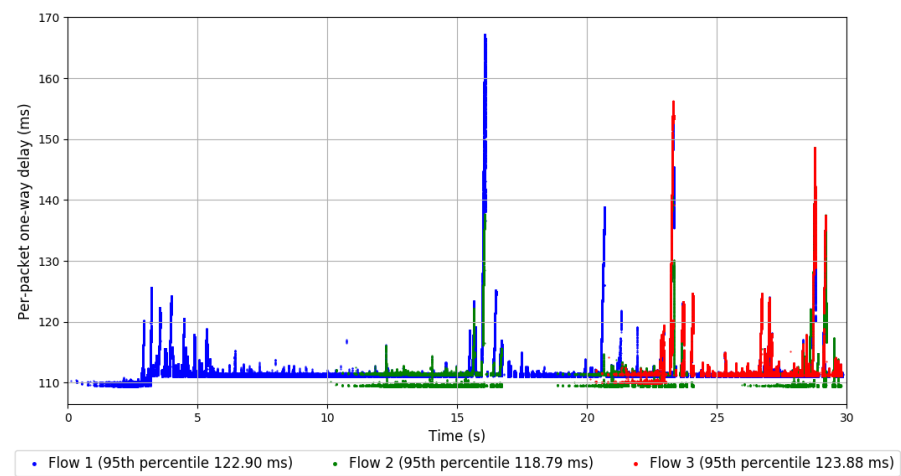
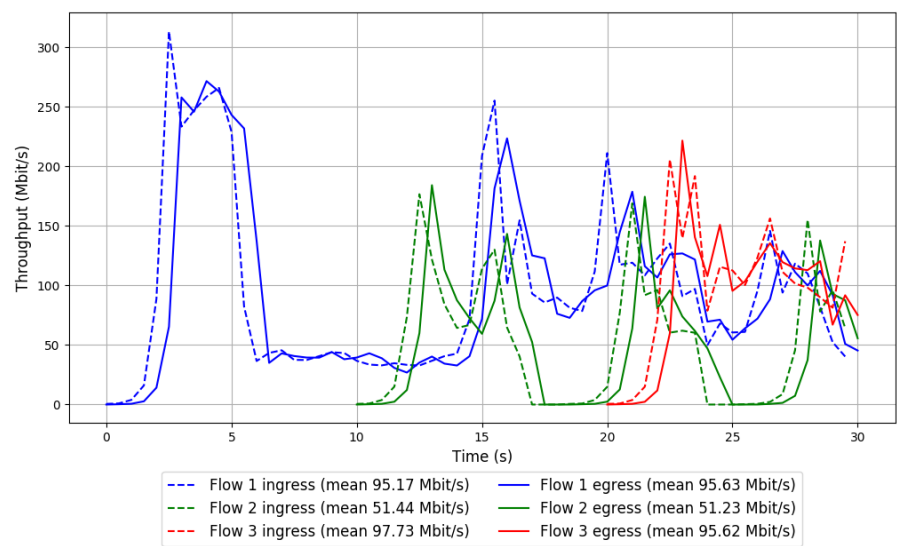
-- Flow 3:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 123.875 ms

Loss rate: 4.36%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-25 02:45:44

End at: 2018-07-25 02:46:14

Local clock offset: 0.073 ms

Remote clock offset: 0.435 ms

Below is generated by plot.py at 2018-07-25 06:40:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.52 Mbit/s

95th percentile per-packet one-way delay: 123.401 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 114.19 Mbit/s

95th percentile per-packet one-way delay: 126.614 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 119.44 Mbit/s

95th percentile per-packet one-way delay: 118.035 ms

Loss rate: 1.06%

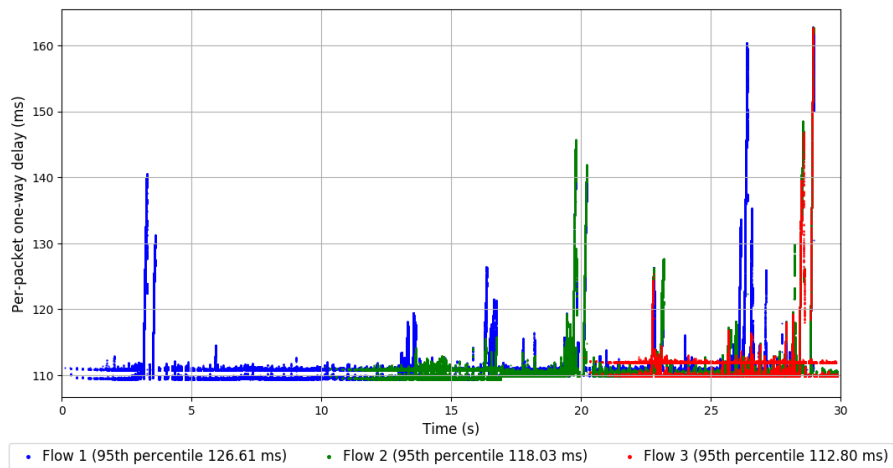
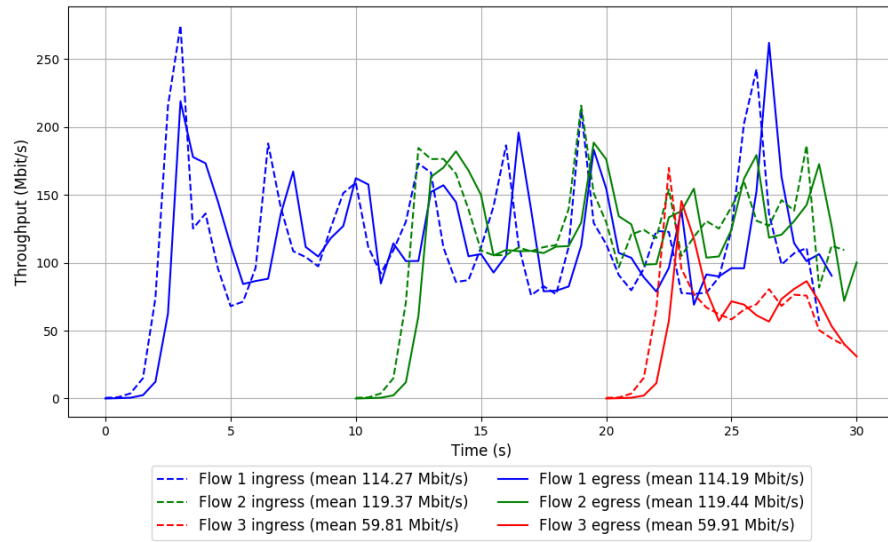
-- Flow 3:

Average throughput: 59.91 Mbit/s

95th percentile per-packet one-way delay: 112.795 ms

Loss rate: 1.64%

Run 3: Report of Copa — Data Link

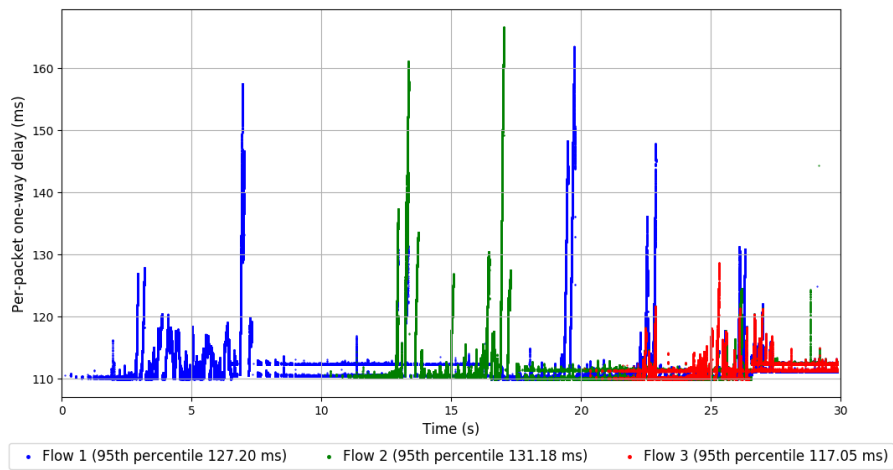
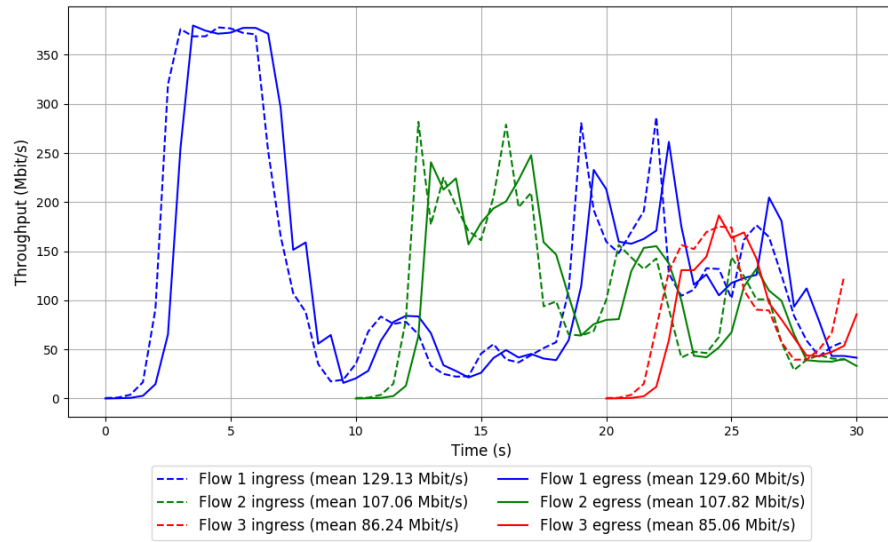


Run 4: Statistics of Copa

Start at: 2018-07-25 03:12:54
End at: 2018-07-25 03:13:24
Local clock offset: 0.171 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-25 06:40:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.98 Mbit/s
95th percentile per-packet one-way delay: 126.915 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 129.60 Mbit/s
95th percentile per-packet one-way delay: 127.204 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 107.82 Mbit/s
95th percentile per-packet one-way delay: 131.180 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: 117.051 ms
Loss rate: 3.57%

Run 4: Report of Copa — Data Link

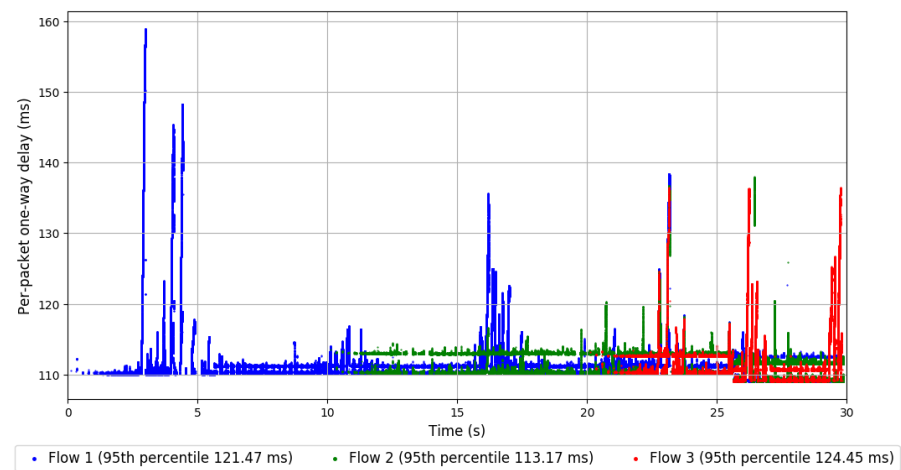
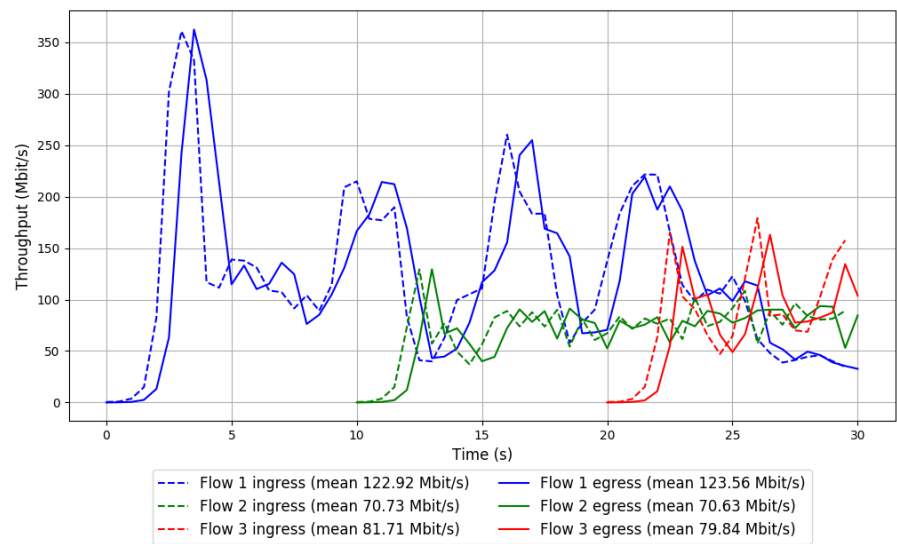


Run 5: Statistics of Copa

Start at: 2018-07-25 03:39:25
End at: 2018-07-25 03:39:55
Local clock offset: -0.05 ms
Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-07-25 06:40:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.32 Mbit/s
95th percentile per-packet one-way delay: 120.494 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 123.56 Mbit/s
95th percentile per-packet one-way delay: 121.465 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 113.175 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 79.84 Mbit/s
95th percentile per-packet one-way delay: 124.446 ms
Loss rate: 4.82%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-25 04:05:35

End at: 2018-07-25 04:06:05

Local clock offset: -1.068 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-07-25 06:40:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 205.19 Mbit/s

95th percentile per-packet one-way delay: 114.714 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 138.95 Mbit/s

95th percentile per-packet one-way delay: 116.611 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 77.90 Mbit/s

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

Loss rate: 1.19%

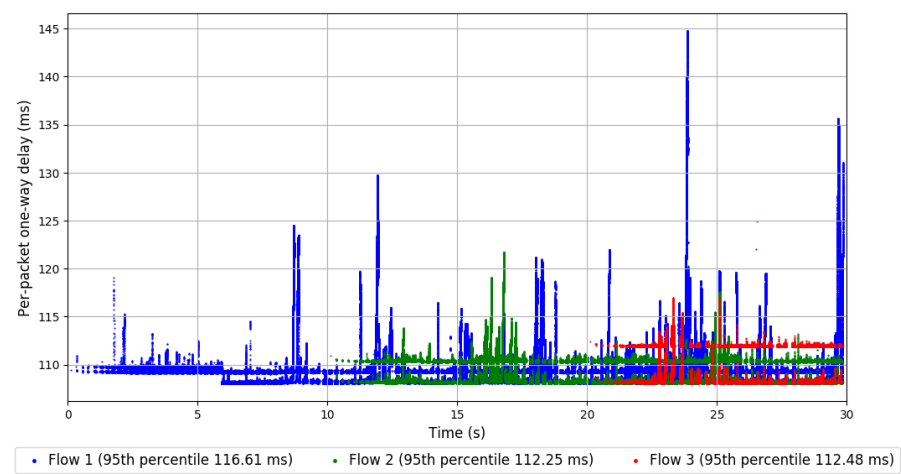
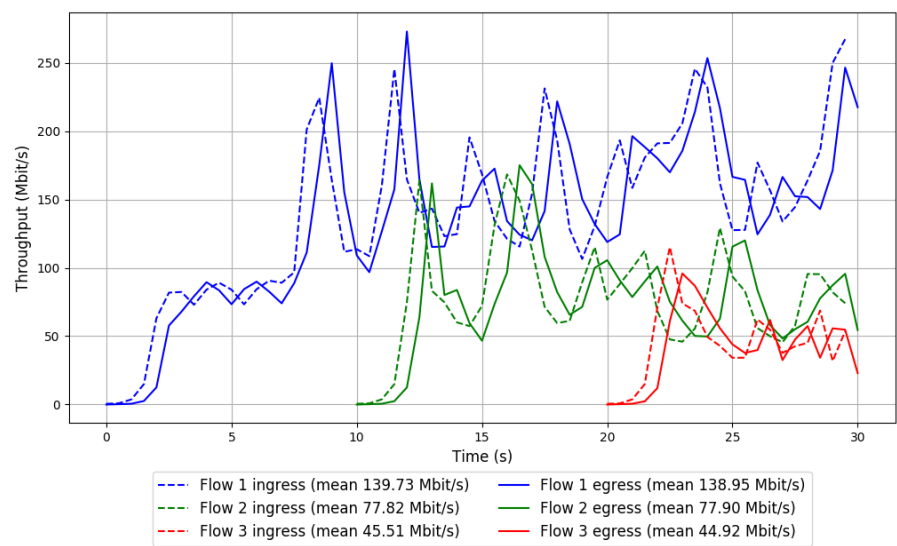
-- Flow 3:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 112.482 ms

Loss rate: 3.52%

Run 6: Report of Copa — Data Link

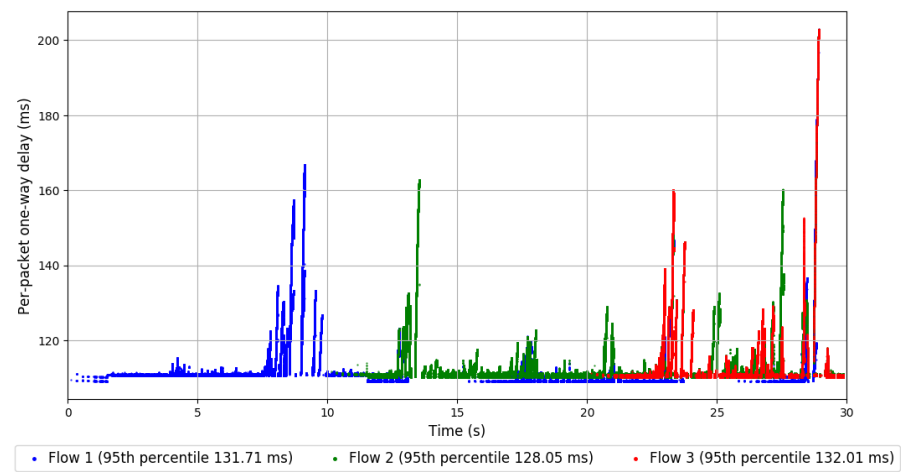
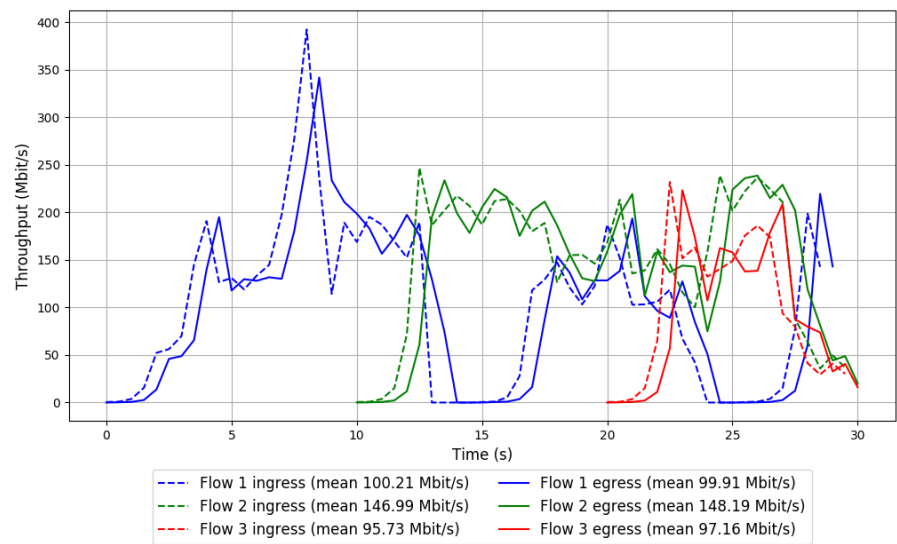


Run 7: Statistics of Copa

Start at: 2018-07-25 04:31:59
End at: 2018-07-25 04:32:29
Local clock offset: -0.069 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-25 06:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.75 Mbit/s
95th percentile per-packet one-way delay: 130.012 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 99.91 Mbit/s
95th percentile per-packet one-way delay: 131.711 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 148.19 Mbit/s
95th percentile per-packet one-way delay: 128.049 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 132.012 ms
Loss rate: 0.76%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-25 04:58:20

End at: 2018-07-25 04:58:50

Local clock offset: 0.022 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-25 06:43:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.25 Mbit/s

95th percentile per-packet one-way delay: 126.963 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 98.65 Mbit/s

95th percentile per-packet one-way delay: 124.818 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 116.40 Mbit/s

95th percentile per-packet one-way delay: 125.745 ms

Loss rate: 0.54%

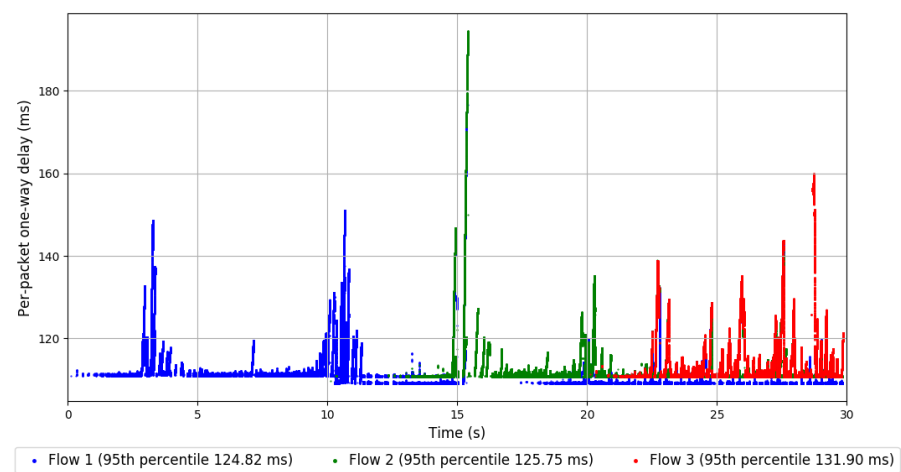
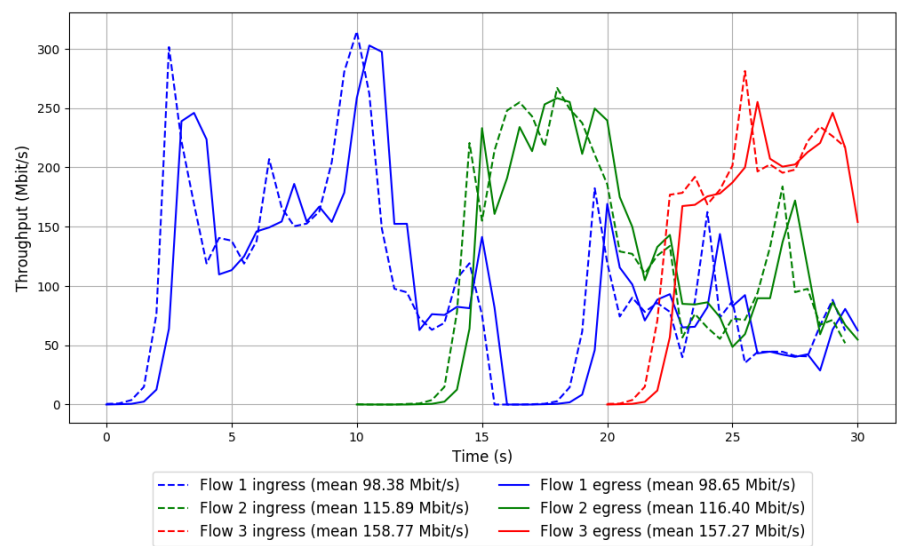
-- Flow 3:

Average throughput: 157.27 Mbit/s

95th percentile per-packet one-way delay: 131.903 ms

Loss rate: 3.16%

Run 8: Report of Copa — Data Link

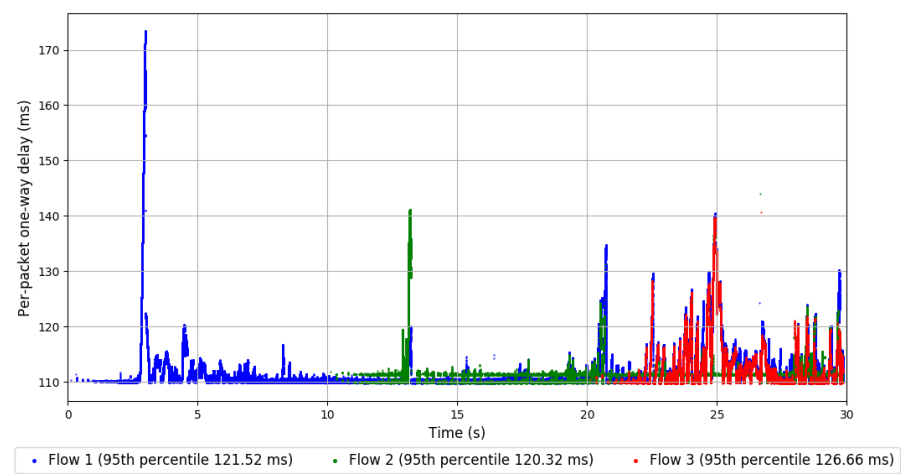
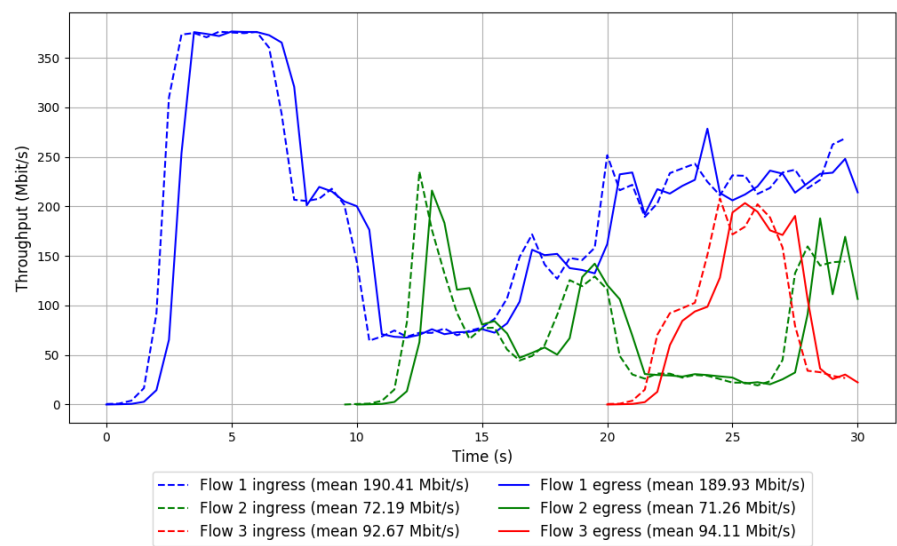


Run 9: Statistics of Copa

Start at: 2018-07-25 05:24:31
End at: 2018-07-25 05:25:01
Local clock offset: 0.042 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-07-25 06:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.01 Mbit/s
95th percentile per-packet one-way delay: 122.079 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 189.93 Mbit/s
95th percentile per-packet one-way delay: 121.520 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 71.26 Mbit/s
95th percentile per-packet one-way delay: 120.316 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 126.656 ms
Loss rate: 0.71%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-25 05:51:06

End at: 2018-07-25 05:51:36

Local clock offset: -1.342 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 181.05 Mbit/s

95th percentile per-packet one-way delay: 112.626 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 113.140 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 77.30 Mbit/s

95th percentile per-packet one-way delay: 110.773 ms

Loss rate: 1.37%

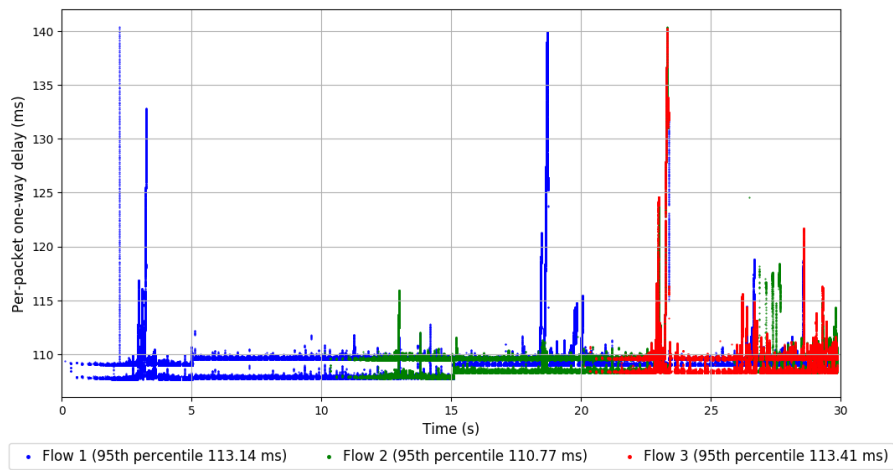
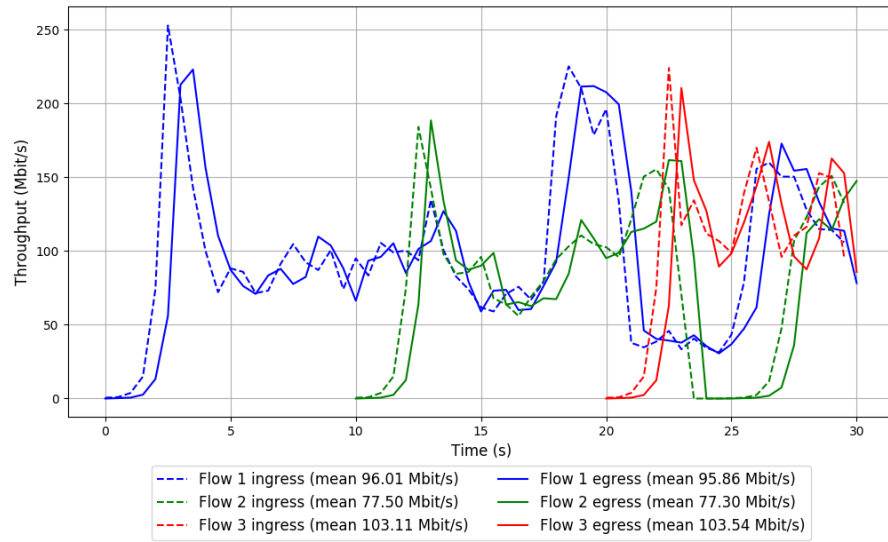
-- Flow 3:

Average throughput: 103.54 Mbit/s

95th percentile per-packet one-way delay: 113.405 ms

Loss rate: 1.84%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 02:07:30

End at: 2018-07-25 02:08:00

Local clock offset: 0.05 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.46 Mbit/s

95th percentile per-packet one-way delay: 124.468 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 102.76 Mbit/s

95th percentile per-packet one-way delay: 124.519 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 123.644 ms

Loss rate: 5.18%

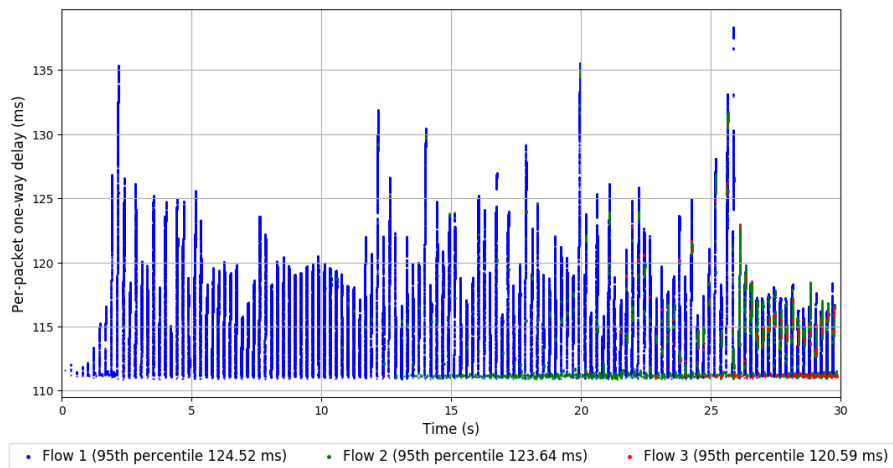
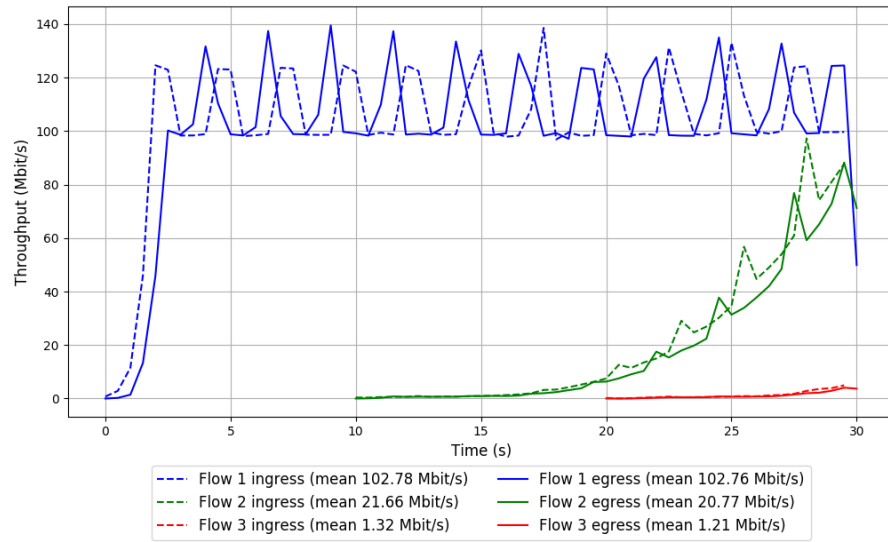
-- Flow 3:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 120.594 ms

Loss rate: 10.40%

Run 1: Report of TCP Cubic — Data Link

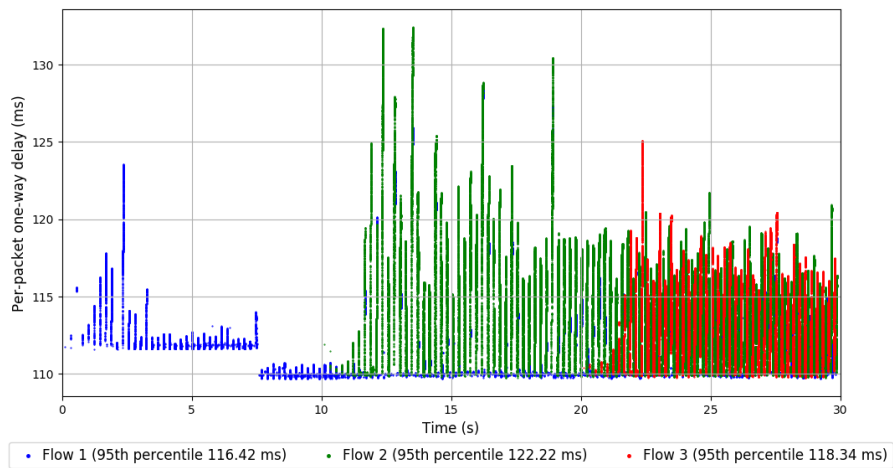
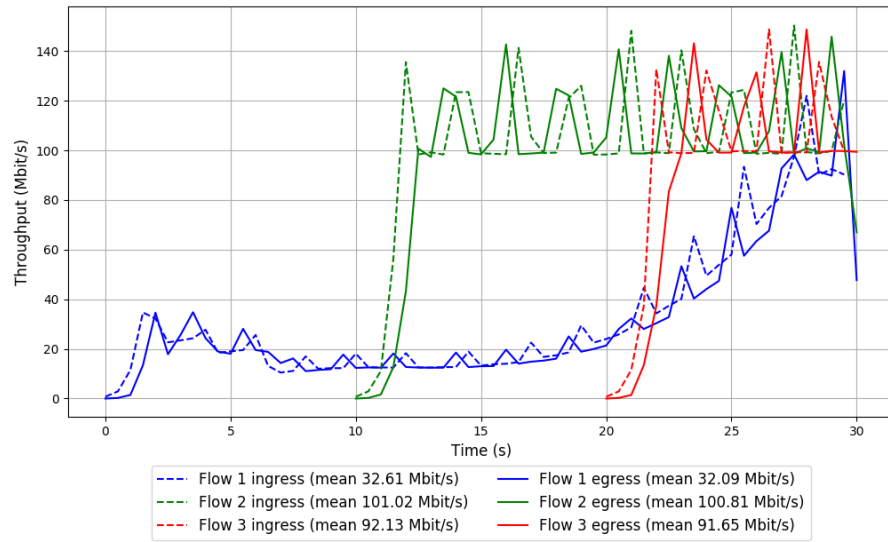


Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 02:33:53
End at: 2018-07-25 02:34:23
Local clock offset: -0.012 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-25 06:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.77 Mbit/s
95th percentile per-packet one-way delay: 120.491 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 116.425 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 100.81 Mbit/s
95th percentile per-packet one-way delay: 122.222 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 118.341 ms
Loss rate: 2.73%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 03:00:51

End at: 2018-07-25 03:01:21

Local clock offset: 0.088 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.28 Mbit/s

95th percentile per-packet one-way delay: 120.406 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 104.24 Mbit/s

95th percentile per-packet one-way delay: 121.266 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 48.94 Mbit/s

95th percentile per-packet one-way delay: 115.433 ms

Loss rate: 1.34%

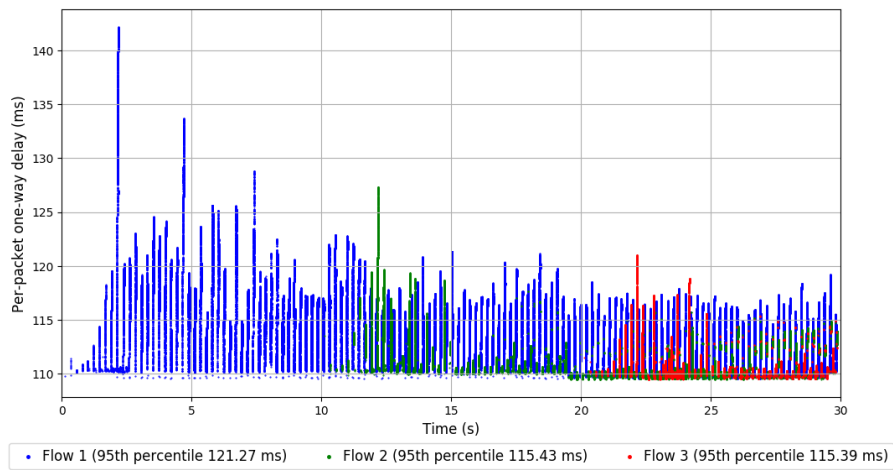
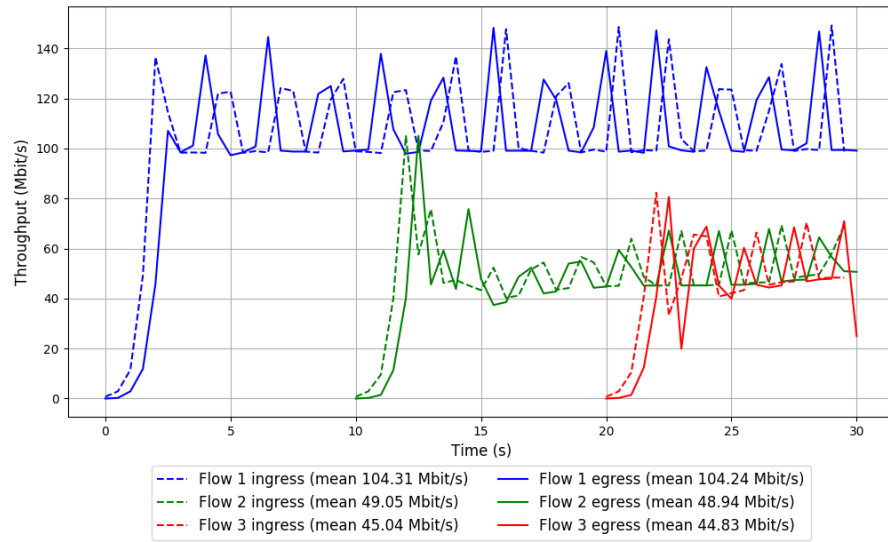
-- Flow 3:

Average throughput: 44.83 Mbit/s

95th percentile per-packet one-way delay: 115.386 ms

Loss rate: 2.70%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 03:27:26

End at: 2018-07-25 03:27:56

Local clock offset: -1.353 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.53 Mbit/s

95th percentile per-packet one-way delay: 121.392 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 102.95 Mbit/s

95th percentile per-packet one-way delay: 122.392 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 86.56 Mbit/s

95th percentile per-packet one-way delay: 118.123 ms

Loss rate: 1.32%

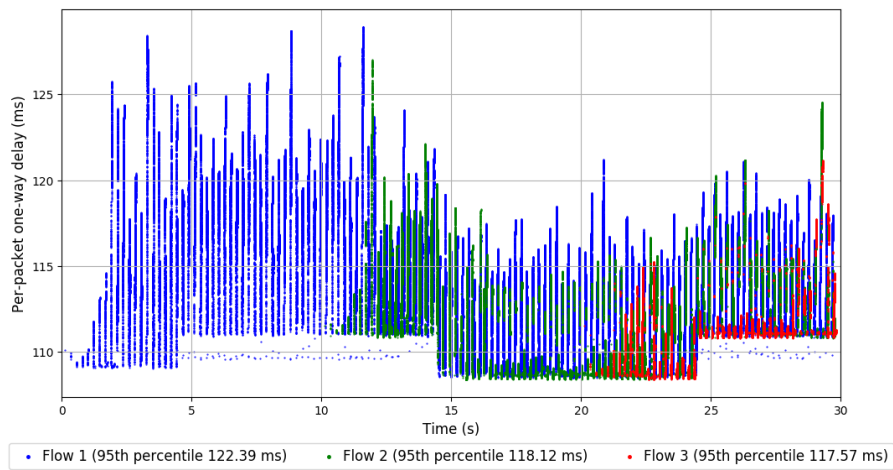
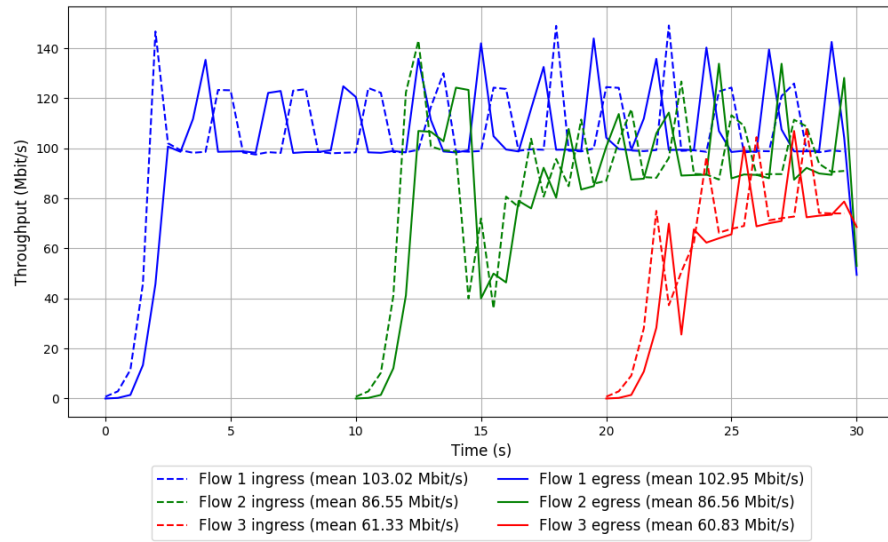
-- Flow 3:

Average throughput: 60.83 Mbit/s

95th percentile per-packet one-way delay: 117.567 ms

Loss rate: 3.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 03:53:33

End at: 2018-07-25 03:54:03

Local clock offset: -0.005 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 178.32 Mbit/s

95th percentile per-packet one-way delay: 120.502 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 104.36 Mbit/s

95th percentile per-packet one-way delay: 122.709 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 117.789 ms

Loss rate: 0.77%

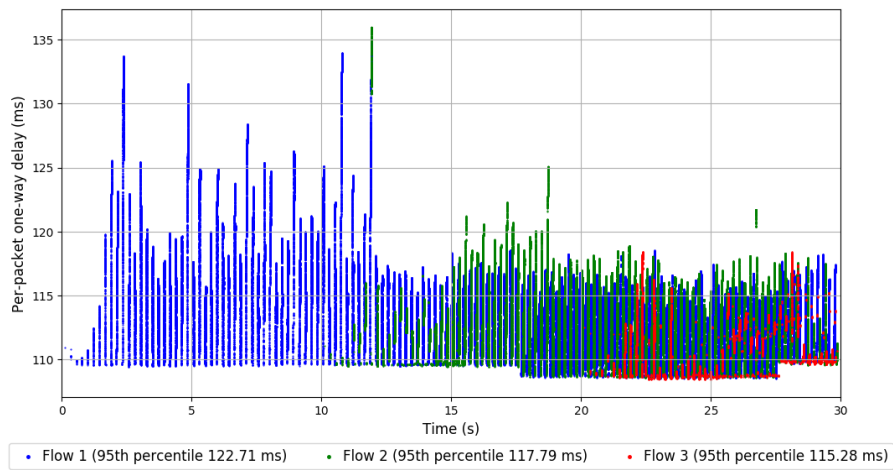
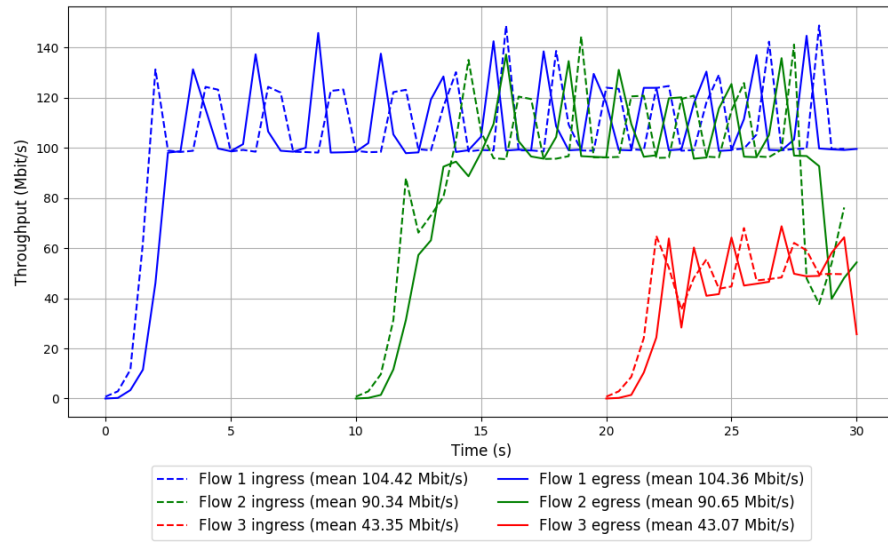
-- Flow 3:

Average throughput: 43.07 Mbit/s

95th percentile per-packet one-way delay: 115.278 ms

Loss rate: 2.88%

Run 5: Report of TCP Cubic — Data Link

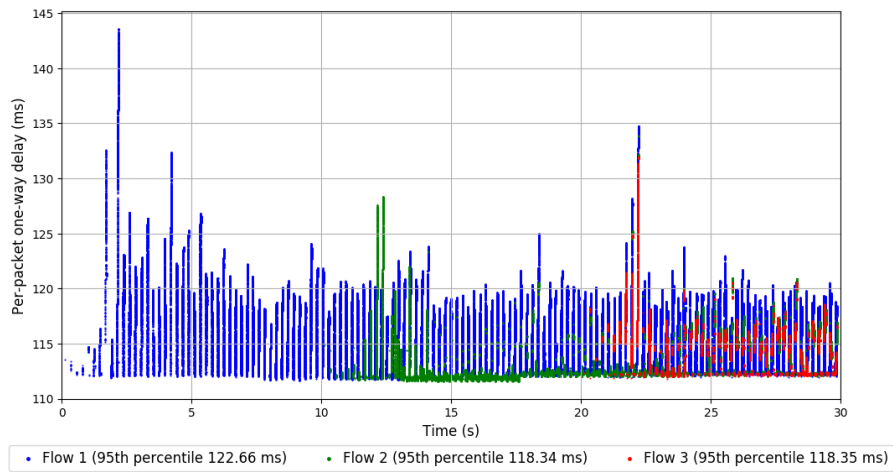
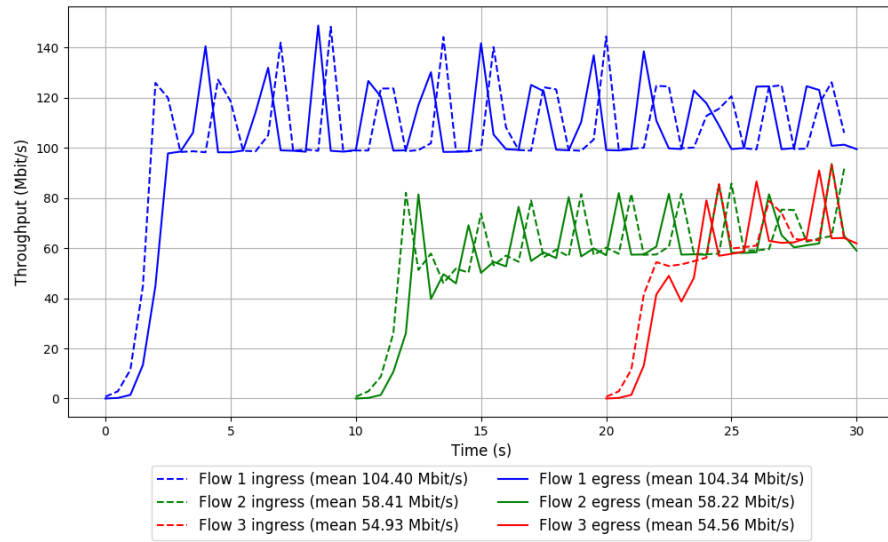


Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 04:20:03
End at: 2018-07-25 04:20:33
Local clock offset: 1.302 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-07-25 06:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.75 Mbit/s
95th percentile per-packet one-way delay: 121.501 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 104.34 Mbit/s
95th percentile per-packet one-way delay: 122.660 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 118.344 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 118.347 ms
Loss rate: 2.89%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 04:46:32

End at: 2018-07-25 04:47:02

Local clock offset: 0.408 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.90 Mbit/s

95th percentile per-packet one-way delay: 120.931 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 75.69 Mbit/s

95th percentile per-packet one-way delay: 122.020 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 61.68 Mbit/s

95th percentile per-packet one-way delay: 117.445 ms

Loss rate: 1.42%

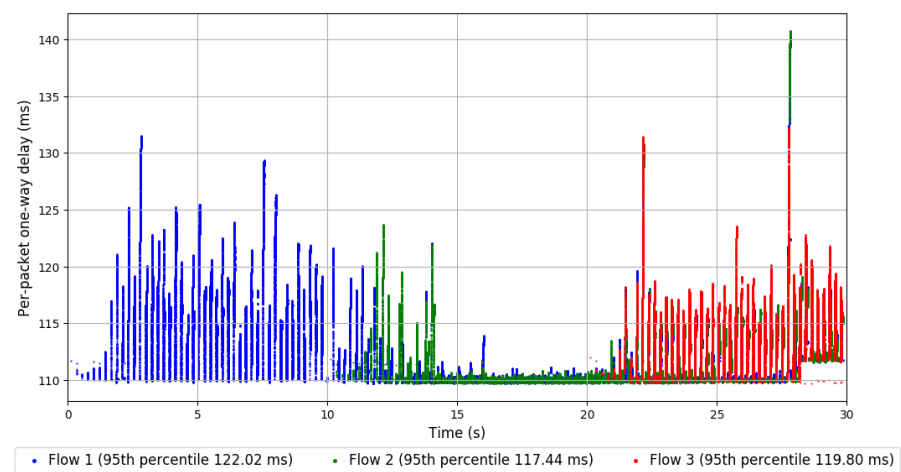
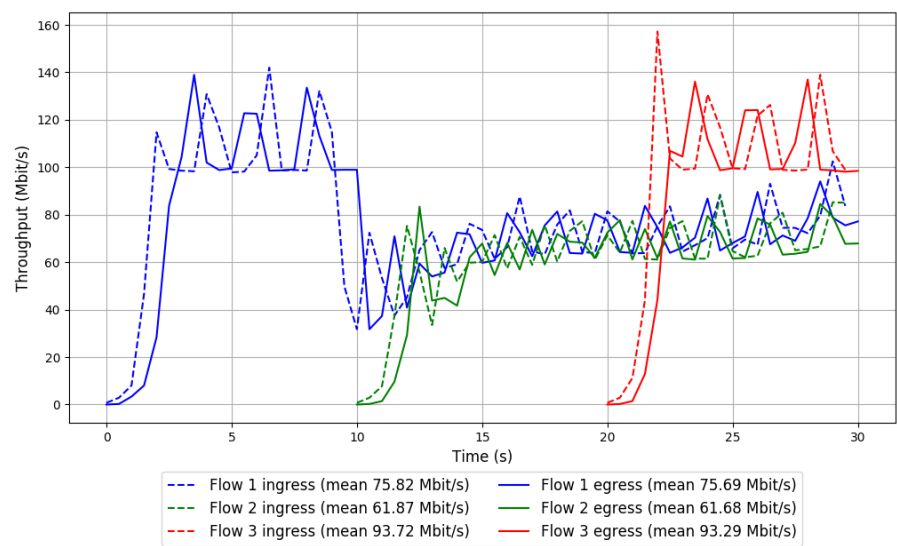
-- Flow 3:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 119.801 ms

Loss rate: 2.66%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 05:12:38

End at: 2018-07-25 05:13:08

Local clock offset: 0.087 ms

Remote clock offset: 0.367 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.76 Mbit/s

95th percentile per-packet one-way delay: 121.308 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 104.15 Mbit/s

95th percentile per-packet one-way delay: 121.962 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 52.22 Mbit/s

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

Loss rate: 1.43%

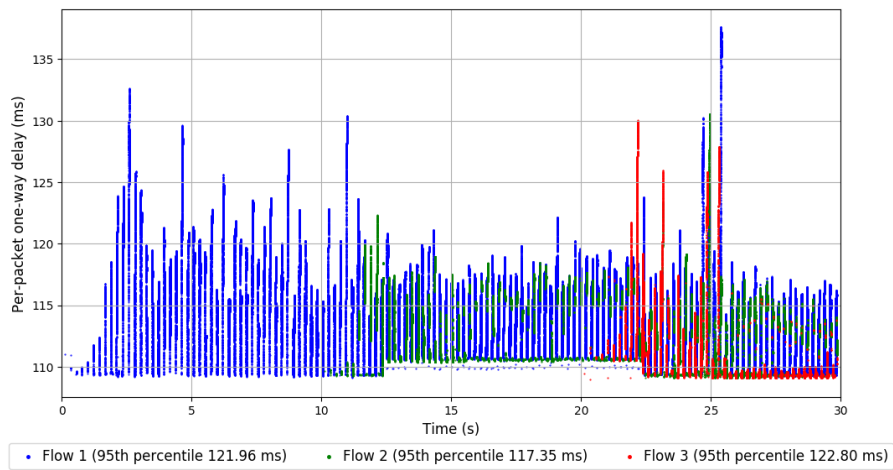
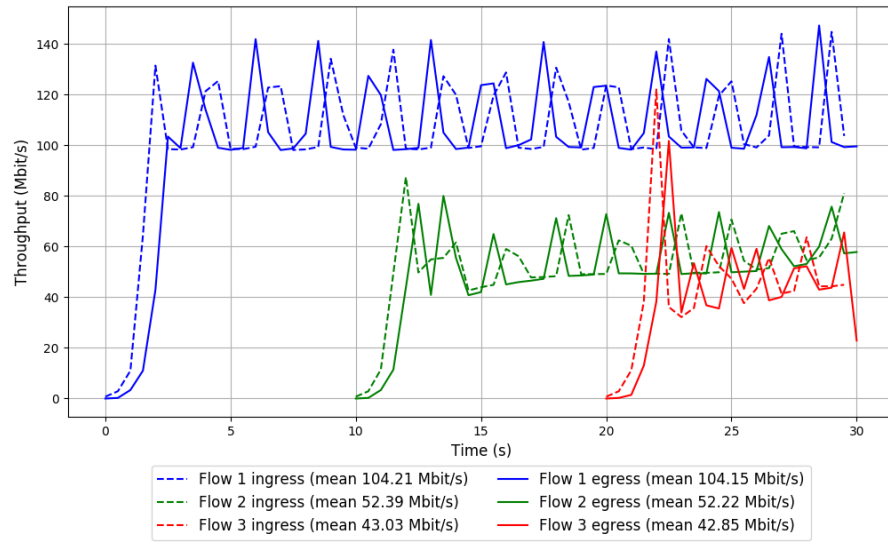
-- Flow 3:

Average throughput: 42.85 Mbit/s

95th percentile per-packet one-way delay: 122.800 ms

Loss rate: 2.61%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 05:39:06

End at: 2018-07-25 05:39:36

Local clock offset: 1.297 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 145.43 Mbit/s

95th percentile per-packet one-way delay: 118.394 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 61.51 Mbit/s

95th percentile per-packet one-way delay: 118.029 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 101.93 Mbit/s

95th percentile per-packet one-way delay: 118.715 ms

Loss rate: 1.31%

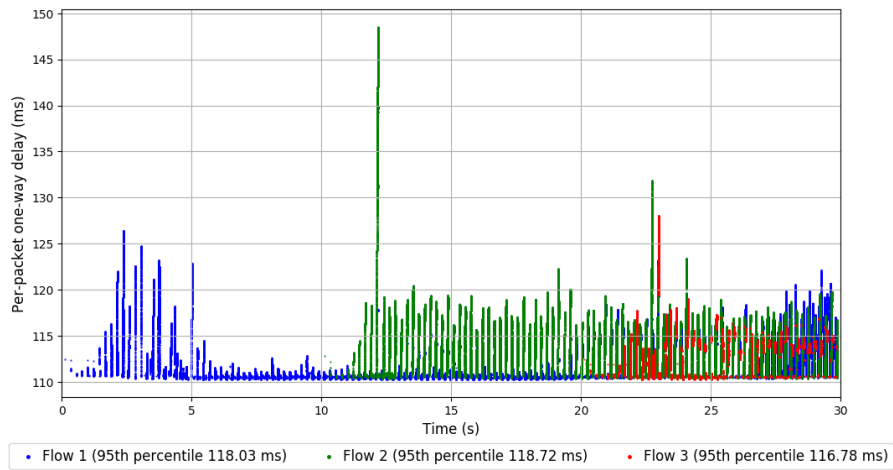
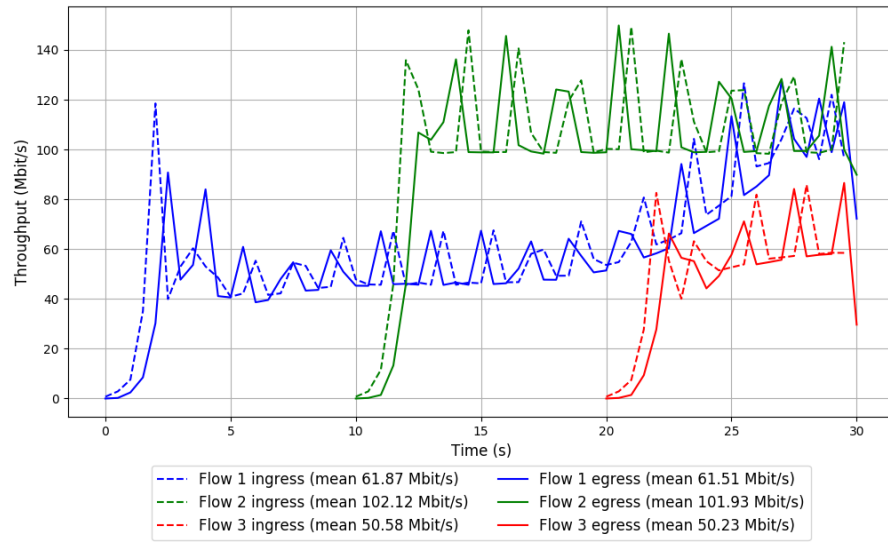
-- Flow 3:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 116.785 ms

Loss rate: 2.91%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 06:05:43

End at: 2018-07-25 06:06:13

Local clock offset: -1.181 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-25 06:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.26 Mbit/s

95th percentile per-packet one-way delay: 124.335 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 103.08 Mbit/s

95th percentile per-packet one-way delay: 124.495 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 22.22 Mbit/s

95th percentile per-packet one-way delay: 119.629 ms

Loss rate: 4.97%

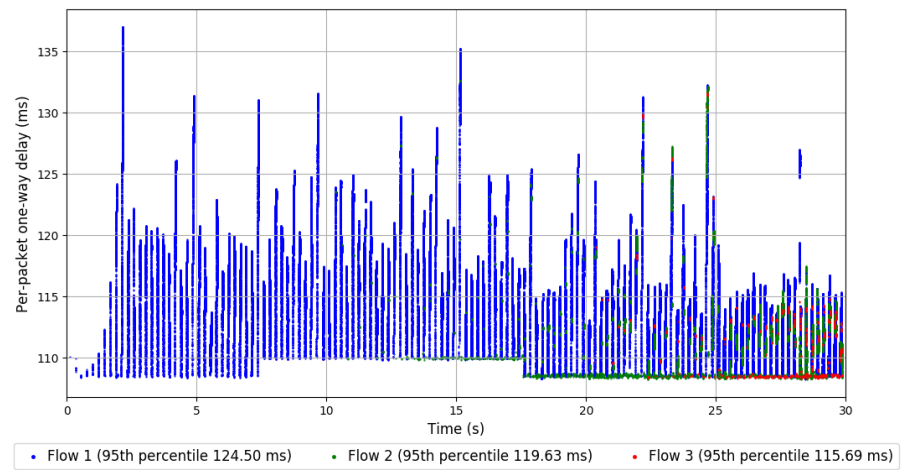
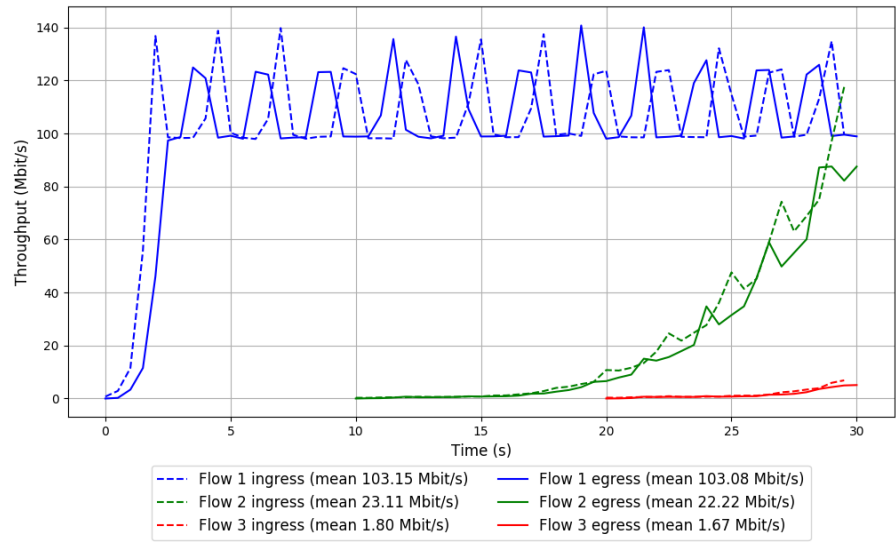
-- Flow 3:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 115.688 ms

Loss rate: 9.36%

Run 10: Report of TCP Cubic — Data Link

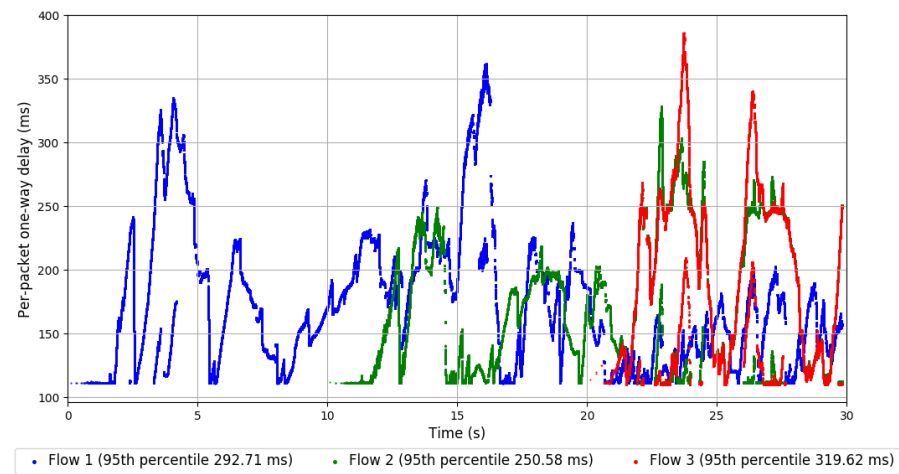
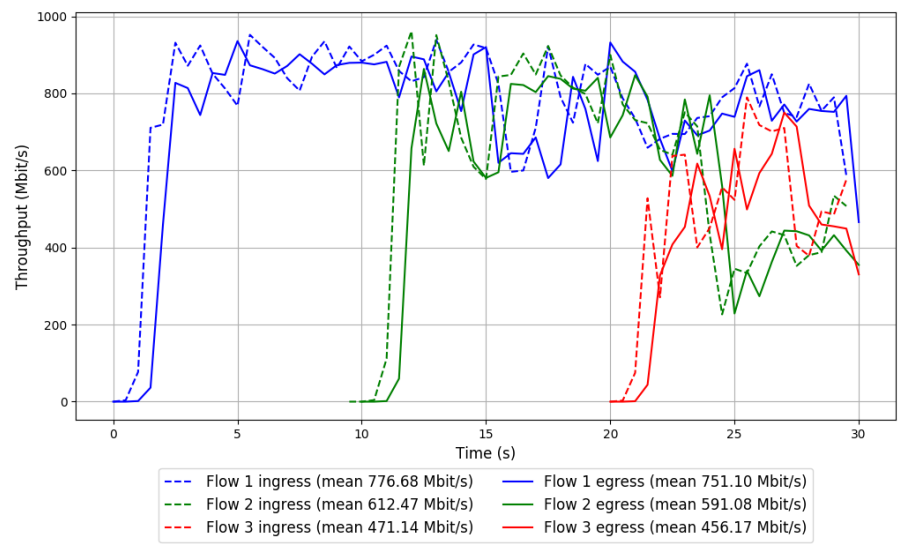


Run 1: Statistics of FillP

Start at: 2018-07-25 02:11:59
End at: 2018-07-25 02:12:29
Local clock offset: -0.167 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-07-25 07:10:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1292.14 Mbit/s
95th percentile per-packet one-way delay: 277.766 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 751.10 Mbit/s
95th percentile per-packet one-way delay: 292.711 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 591.08 Mbit/s
95th percentile per-packet one-way delay: 250.580 ms
Loss rate: 4.58%
-- Flow 3:
Average throughput: 456.17 Mbit/s
95th percentile per-packet one-way delay: 319.622 ms
Loss rate: 5.39%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-25 02:38:24

End at: 2018-07-25 02:38:54

Local clock offset: -0.154 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-07-25 07:12:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1365.26 Mbit/s

95th percentile per-packet one-way delay: 285.974 ms

Loss rate: 2.40%

-- Flow 1:

Average throughput: 745.74 Mbit/s

95th percentile per-packet one-way delay: 294.209 ms

Loss rate: 1.67%

-- Flow 2:

Average throughput: 680.48 Mbit/s

95th percentile per-packet one-way delay: 295.516 ms

Loss rate: 2.02%

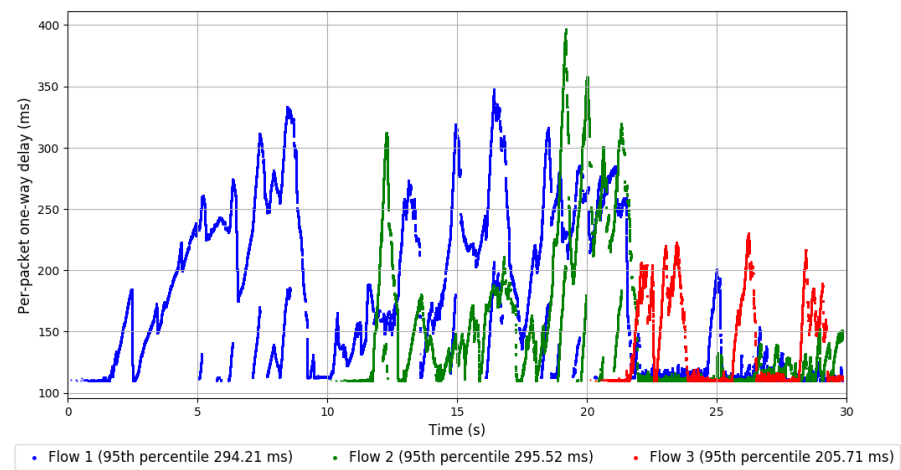
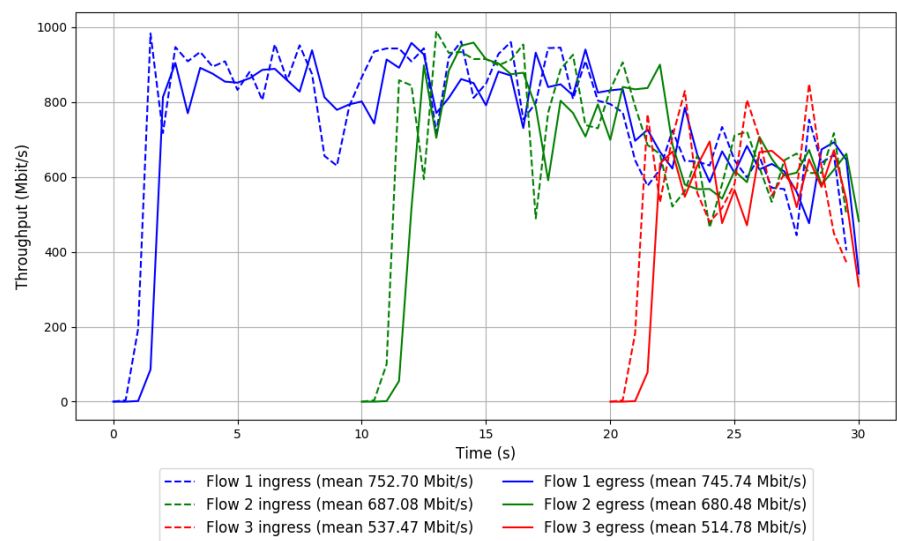
-- Flow 3:

Average throughput: 514.78 Mbit/s

95th percentile per-packet one-way delay: 205.710 ms

Loss rate: 6.39%

Run 2: Report of FillP — Data Link

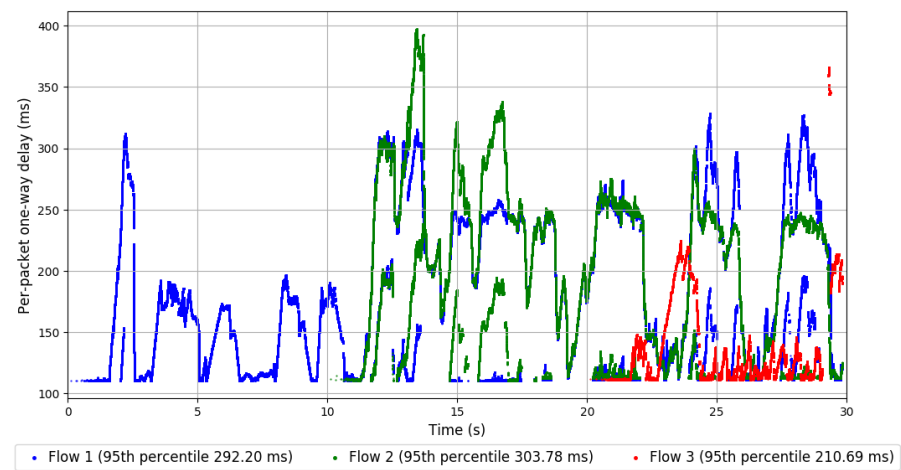
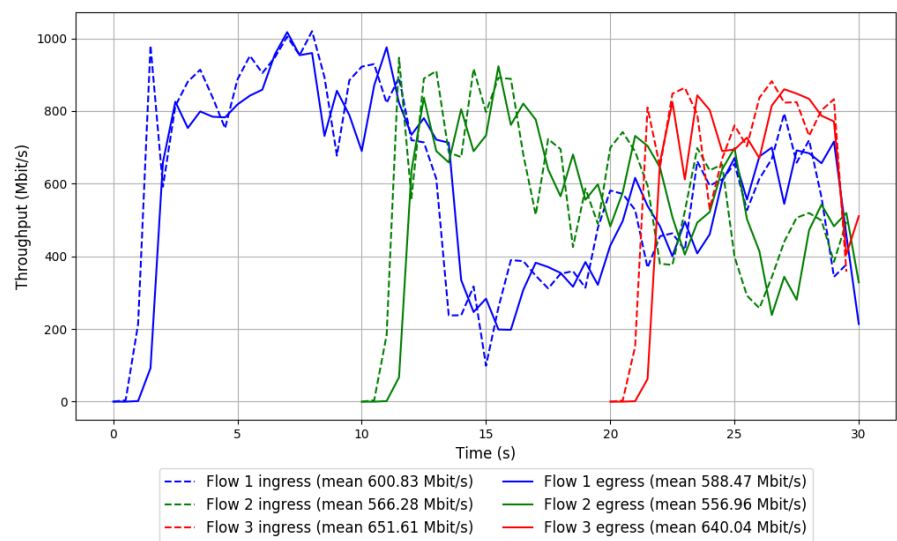


Run 3: Statistics of FillP

Start at: 2018-07-25 03:05:43
End at: 2018-07-25 03:06:13
Local clock offset: 0.063 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-07-25 07:12:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1166.80 Mbit/s
95th percentile per-packet one-way delay: 293.320 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 588.47 Mbit/s
95th percentile per-packet one-way delay: 292.198 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 556.96 Mbit/s
95th percentile per-packet one-way delay: 303.781 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 640.04 Mbit/s
95th percentile per-packet one-way delay: 210.691 ms
Loss rate: 3.49%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-25 03:32:00

End at: 2018-07-25 03:32:31

Local clock offset: -1.248 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-07-25 07:12:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1294.89 Mbit/s

95th percentile per-packet one-way delay: 269.499 ms

Loss rate: 2.64%

-- Flow 1:

Average throughput: 696.08 Mbit/s

95th percentile per-packet one-way delay: 275.481 ms

Loss rate: 1.92%

-- Flow 2:

Average throughput: 700.80 Mbit/s

95th percentile per-packet one-way delay: 197.613 ms

Loss rate: 2.63%

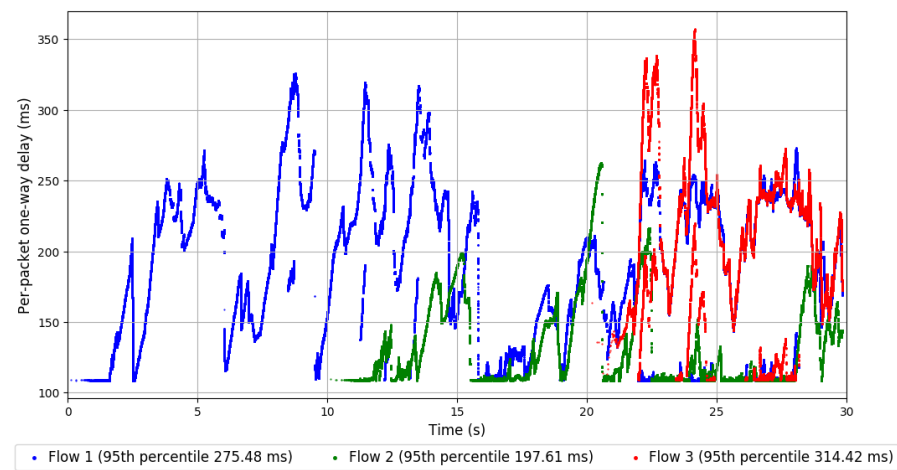
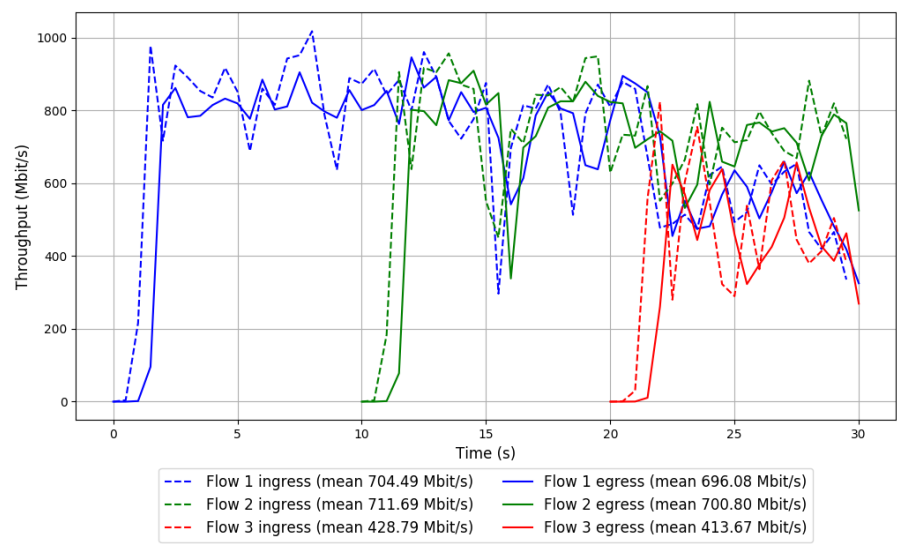
-- Flow 3:

Average throughput: 413.67 Mbit/s

95th percentile per-packet one-way delay: 314.418 ms

Loss rate: 6.23%

Run 4: Report of FillP — Data Link

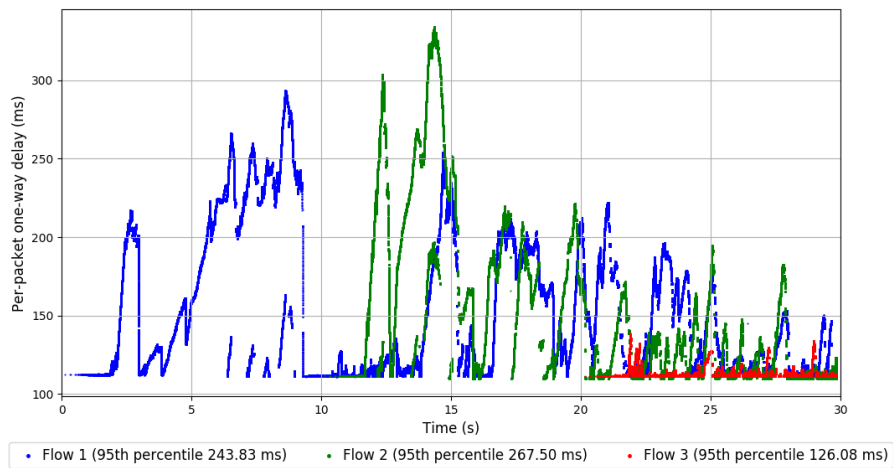
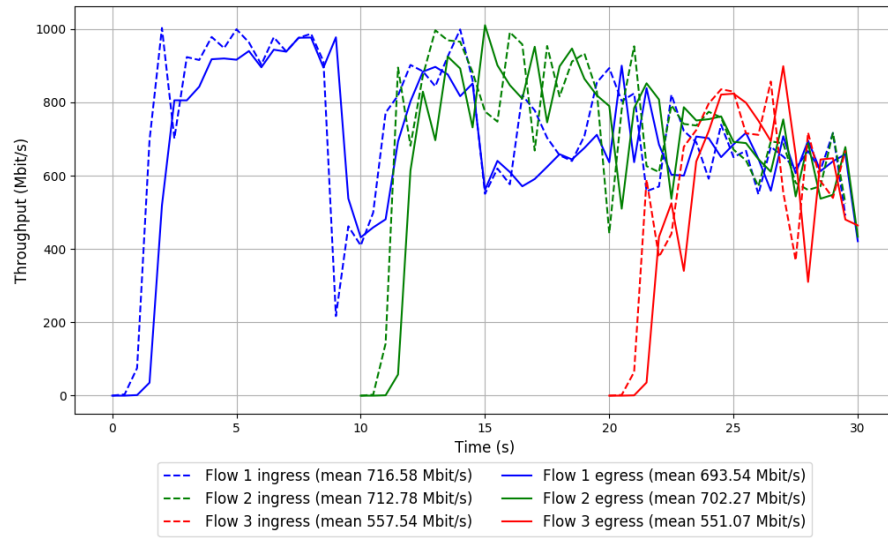


Run 5: Statistics of FillP

Start at: 2018-07-25 03:58:06
End at: 2018-07-25 03:58:36
Local clock offset: -0.087 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-25 07:12:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1339.05 Mbit/s
95th percentile per-packet one-way delay: 248.339 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 693.54 Mbit/s
95th percentile per-packet one-way delay: 243.826 ms
Loss rate: 3.94%
-- Flow 2:
Average throughput: 702.27 Mbit/s
95th percentile per-packet one-way delay: 267.495 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 551.07 Mbit/s
95th percentile per-packet one-way delay: 126.080 ms
Loss rate: 3.38%

Run 5: Report of FillP — Data Link

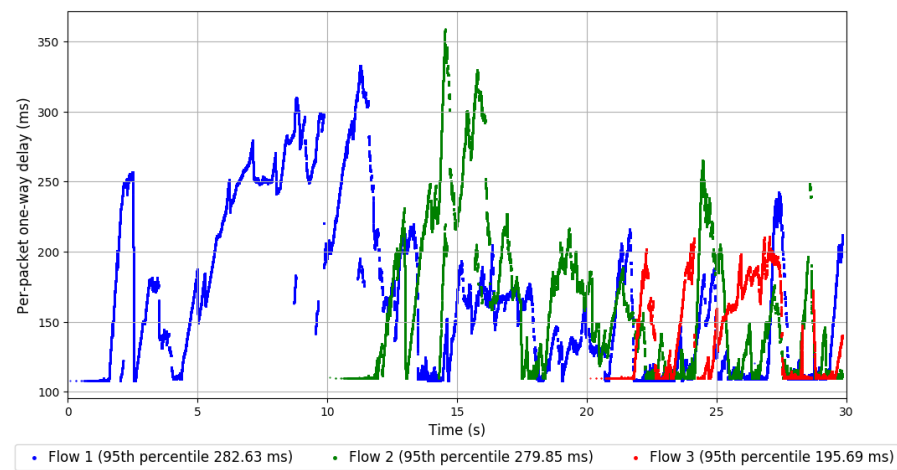
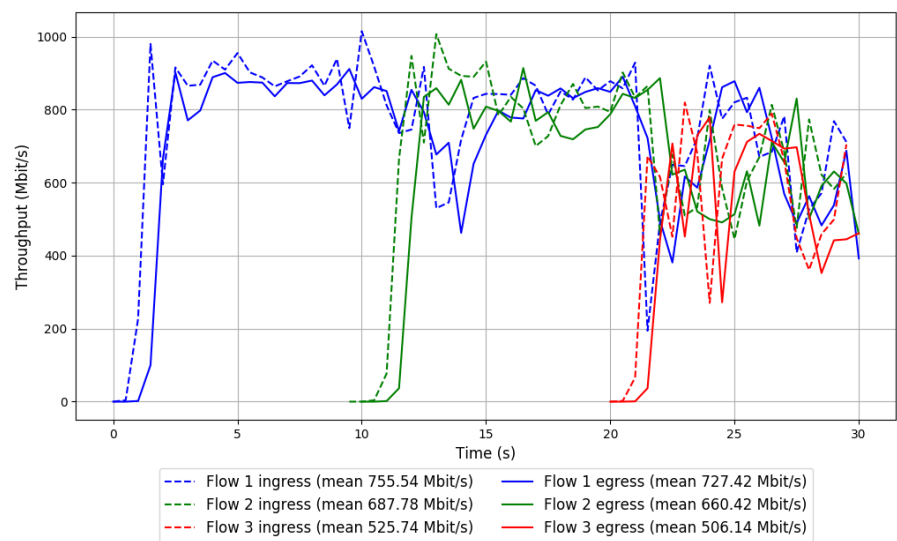


Run 6: Statistics of FillP

Start at: 2018-07-25 04:24:37
End at: 2018-07-25 04:25:07
Local clock offset: -1.232 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-25 07:12:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 1330.77 Mbit/s
95th percentile per-packet one-way delay: 279.206 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 727.42 Mbit/s
95th percentile per-packet one-way delay: 282.632 ms
Loss rate: 4.43%
-- Flow 2:
Average throughput: 660.42 Mbit/s
95th percentile per-packet one-way delay: 279.853 ms
Loss rate: 5.05%
-- Flow 3:
Average throughput: 506.14 Mbit/s
95th percentile per-packet one-way delay: 195.685 ms
Loss rate: 5.89%

Run 6: Report of FillP — Data Link

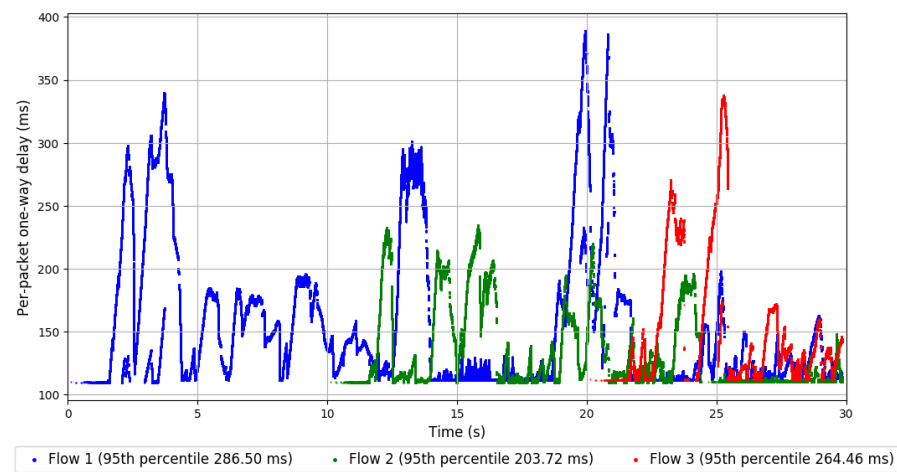
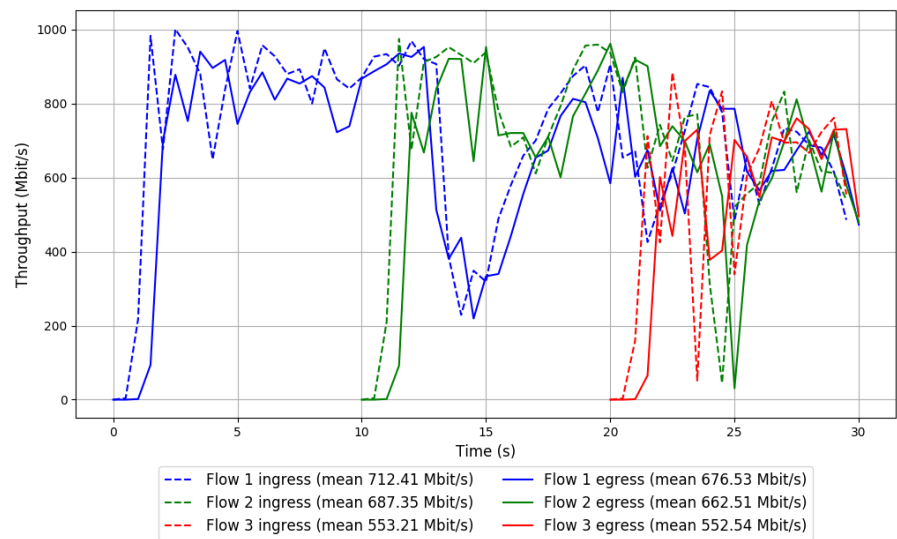


Run 7: Statistics of FillP

Start at: 2018-07-25 04:51:06
End at: 2018-07-25 04:51:36
Local clock offset: 0.073 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-07-25 07:12:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 1296.04 Mbit/s
95th percentile per-packet one-way delay: 270.669 ms
Loss rate: 4.92%
-- Flow 1:
Average throughput: 676.53 Mbit/s
95th percentile per-packet one-way delay: 286.503 ms
Loss rate: 5.76%
-- Flow 2:
Average throughput: 662.51 Mbit/s
95th percentile per-packet one-way delay: 203.722 ms
Loss rate: 4.61%
-- Flow 3:
Average throughput: 552.54 Mbit/s
95th percentile per-packet one-way delay: 264.456 ms
Loss rate: 2.40%

Run 7: Report of FillP — Data Link

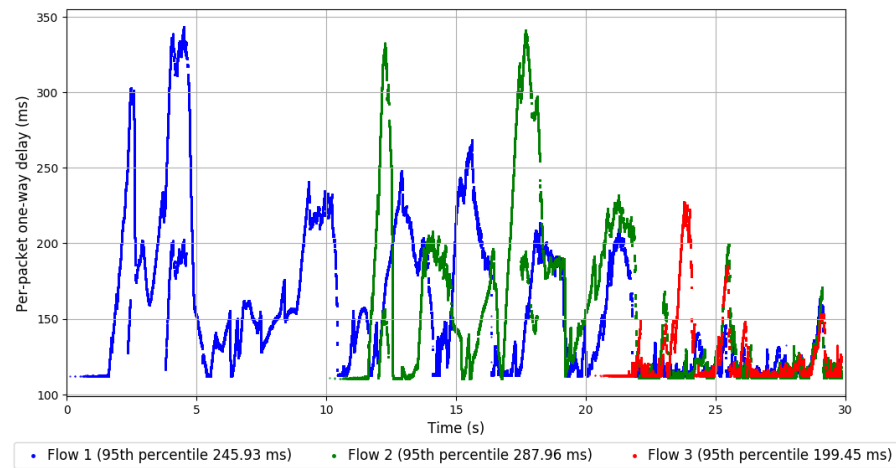
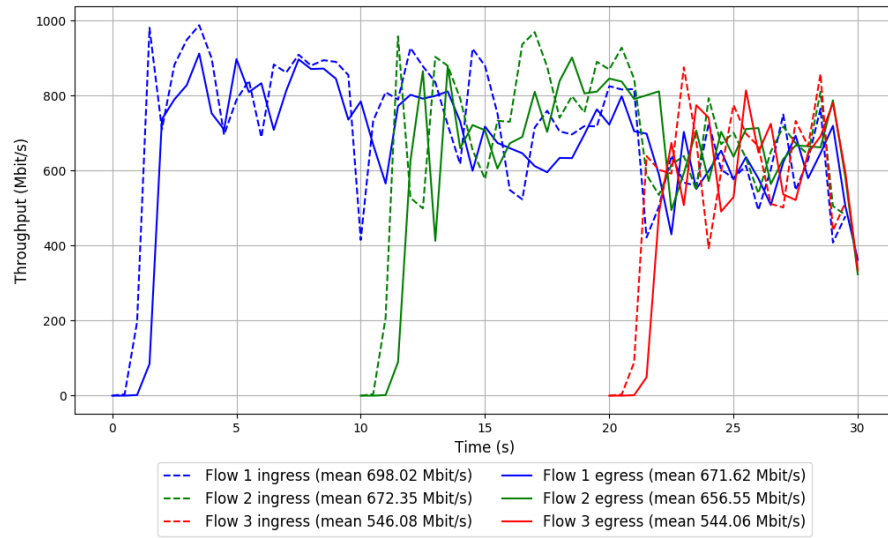


Run 8: Statistics of FillP

Start at: 2018-07-25 05:17:12
End at: 2018-07-25 05:17:42
Local clock offset: 1.386 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-25 07:12:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1284.64 Mbit/s
95th percentile per-packet one-way delay: 254.855 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 671.62 Mbit/s
95th percentile per-packet one-way delay: 245.930 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 656.55 Mbit/s
95th percentile per-packet one-way delay: 287.962 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 544.06 Mbit/s
95th percentile per-packet one-way delay: 199.454 ms
Loss rate: 2.61%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-25 05:43:41

End at: 2018-07-25 05:44:12

Local clock offset: 0.172 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-25 07:36:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 1335.64 Mbit/s

95th percentile per-packet one-way delay: 286.005 ms

Loss rate: 2.96%

-- Flow 1:

Average throughput: 815.25 Mbit/s

95th percentile per-packet one-way delay: 281.476 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 552.07 Mbit/s

95th percentile per-packet one-way delay: 293.339 ms

Loss rate: 4.56%

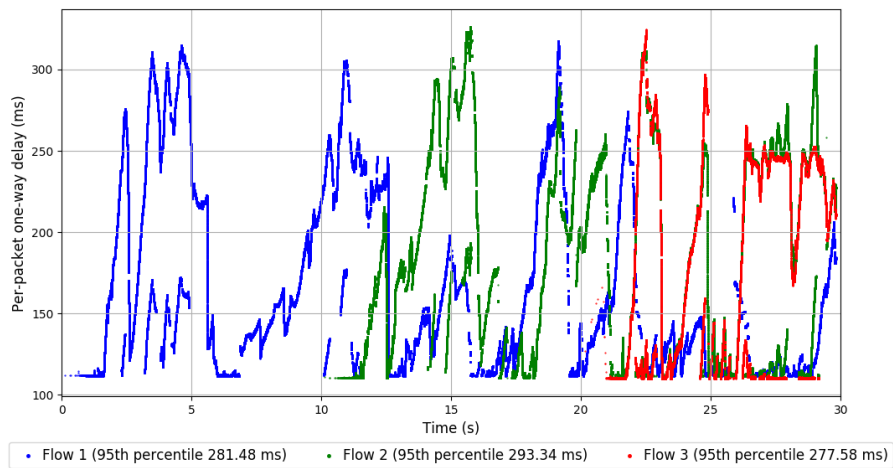
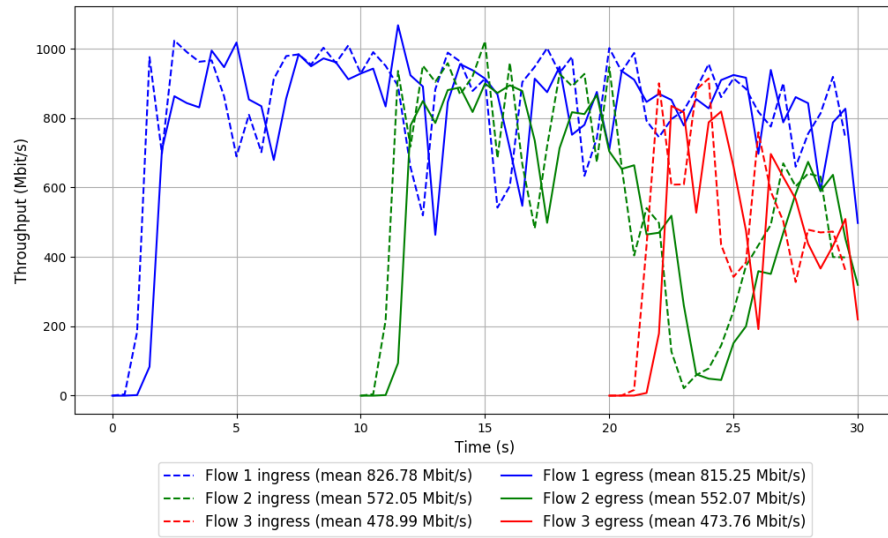
-- Flow 3:

Average throughput: 473.76 Mbit/s

95th percentile per-packet one-way delay: 277.582 ms

Loss rate: 3.45%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-25 06:10:16

End at: 2018-07-25 06:10:46

Local clock offset: -0.323 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-25 07:36:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 957.12 Mbit/s

95th percentile per-packet one-way delay: 296.958 ms

Loss rate: 8.61%

-- Flow 1:

Average throughput: 659.72 Mbit/s

95th percentile per-packet one-way delay: 248.726 ms

Loss rate: 8.89%

-- Flow 2:

Average throughput: 140.00 Mbit/s

95th percentile per-packet one-way delay: 361.156 ms

Loss rate: 5.42%

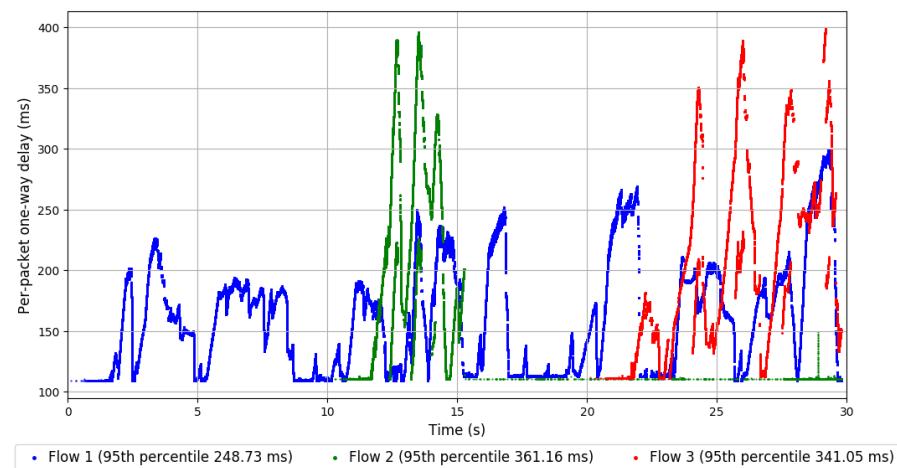
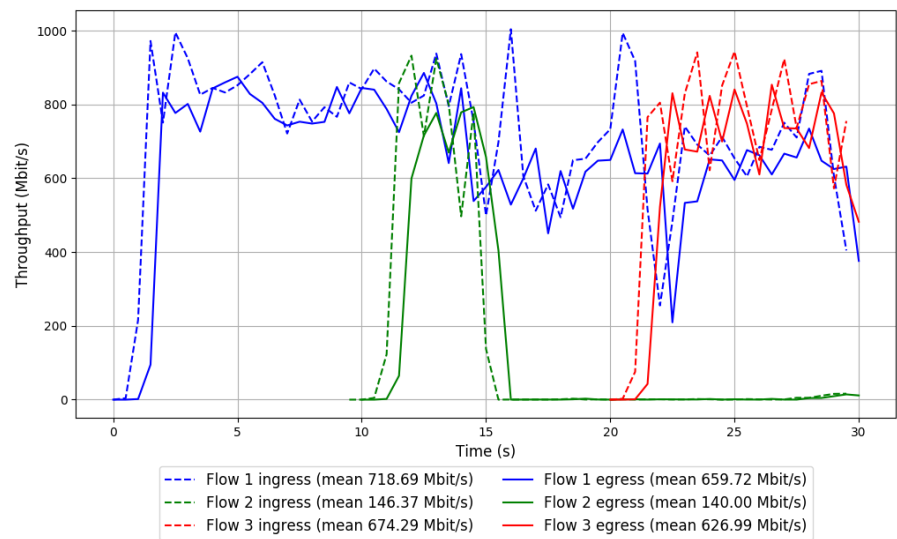
-- Flow 3:

Average throughput: 626.99 Mbit/s

95th percentile per-packet one-way delay: 341.051 ms

Loss rate: 9.11%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 02:14:13

End at: 2018-07-25 02:14:43

Local clock offset: -1.148 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-25 07:37:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1291.39 Mbit/s

95th percentile per-packet one-way delay: 188.640 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 704.55 Mbit/s

95th percentile per-packet one-way delay: 191.772 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 633.38 Mbit/s

95th percentile per-packet one-way delay: 185.075 ms

Loss rate: 1.91%

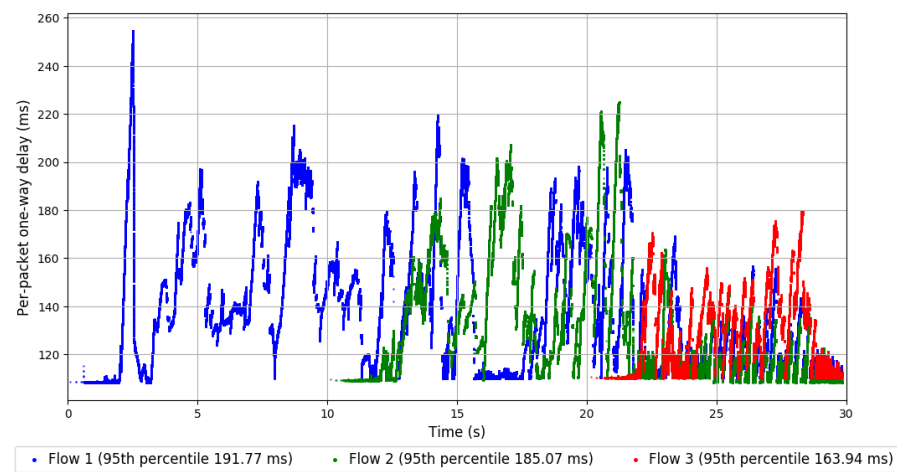
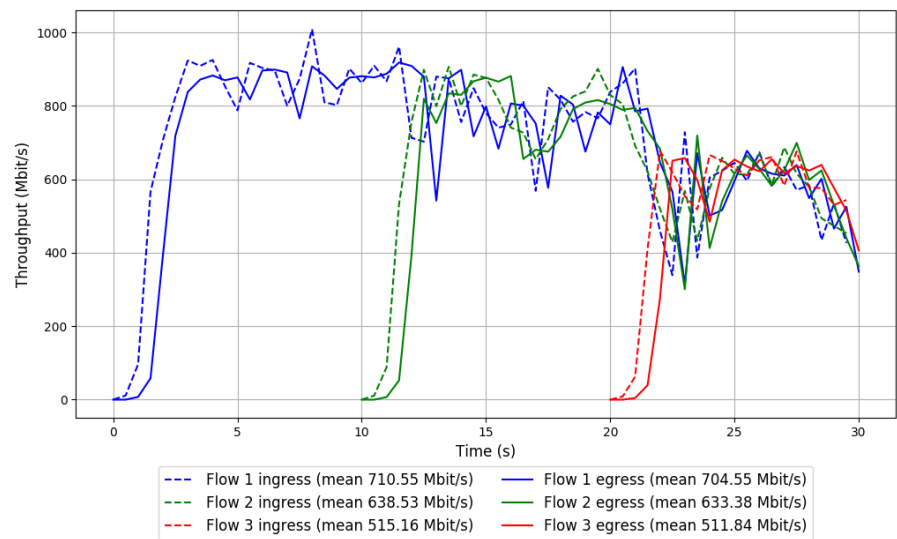
-- Flow 3:

Average throughput: 511.84 Mbit/s

95th percentile per-packet one-way delay: 163.940 ms

Loss rate: 2.87%

Run 1: Report of FillP-Sheep — Data Link

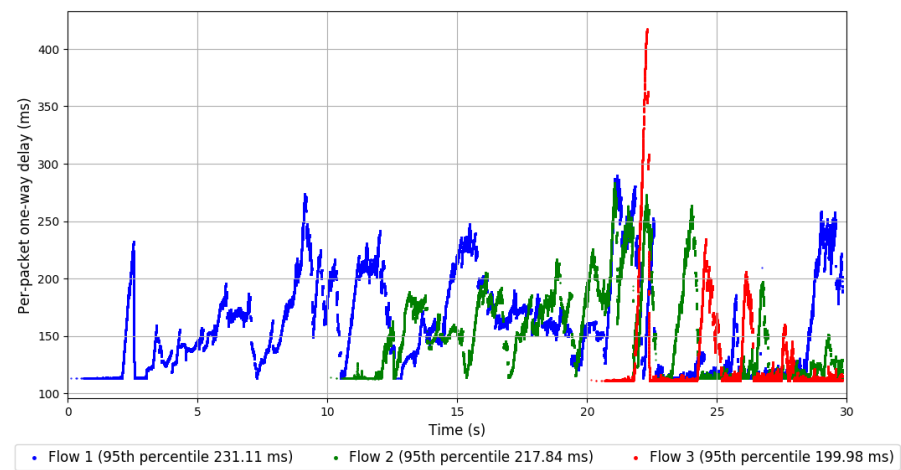
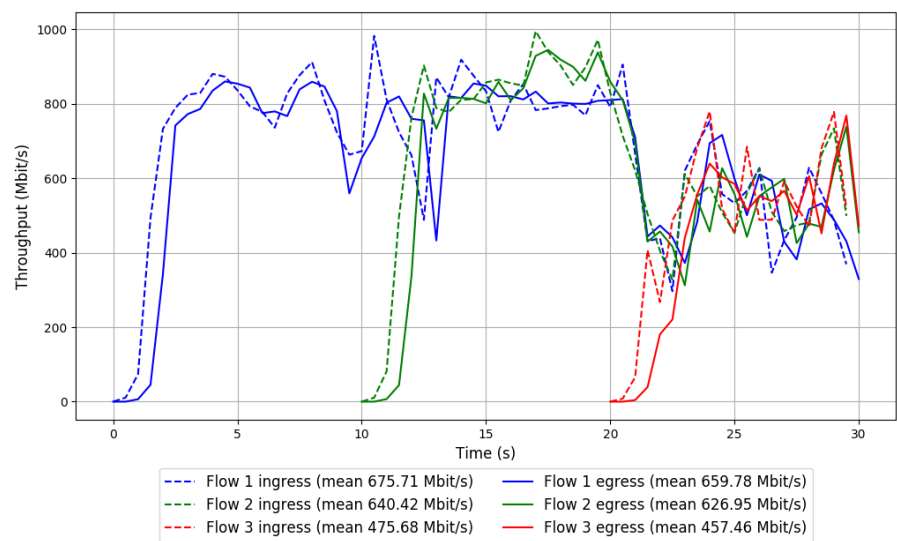


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 02:40:40
End at: 2018-07-25 02:41:10
Local clock offset: 1.329 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-25 07:37:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1224.73 Mbit/s
95th percentile per-packet one-way delay: 227.033 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 659.78 Mbit/s
95th percentile per-packet one-way delay: 231.113 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 626.95 Mbit/s
95th percentile per-packet one-way delay: 217.837 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 457.46 Mbit/s
95th percentile per-packet one-way delay: 199.978 ms
Loss rate: 5.97%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 03:07:52

End at: 2018-07-25 03:08:22

Local clock offset: -0.055 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-25 07:37:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1229.31 Mbit/s

95th percentile per-packet one-way delay: 228.680 ms

Loss rate: 1.69%

-- Flow 1:

Average throughput: 678.47 Mbit/s

95th percentile per-packet one-way delay: 250.433 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 592.58 Mbit/s

95th percentile per-packet one-way delay: 201.951 ms

Loss rate: 2.35%

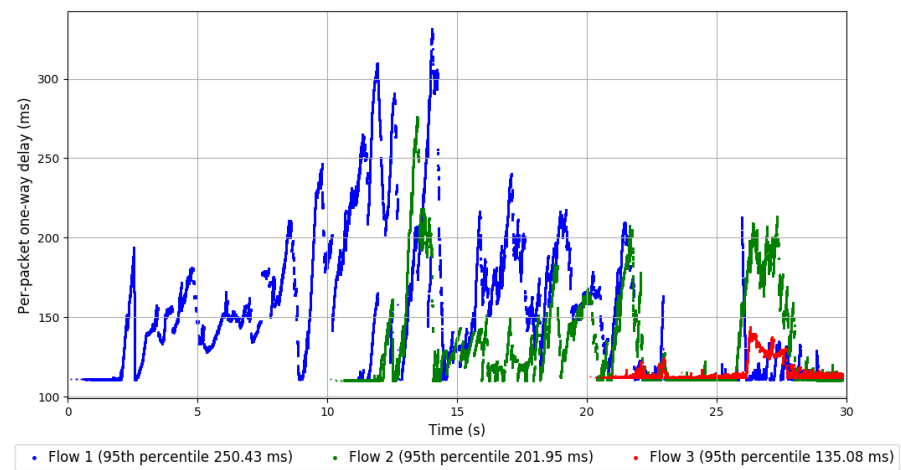
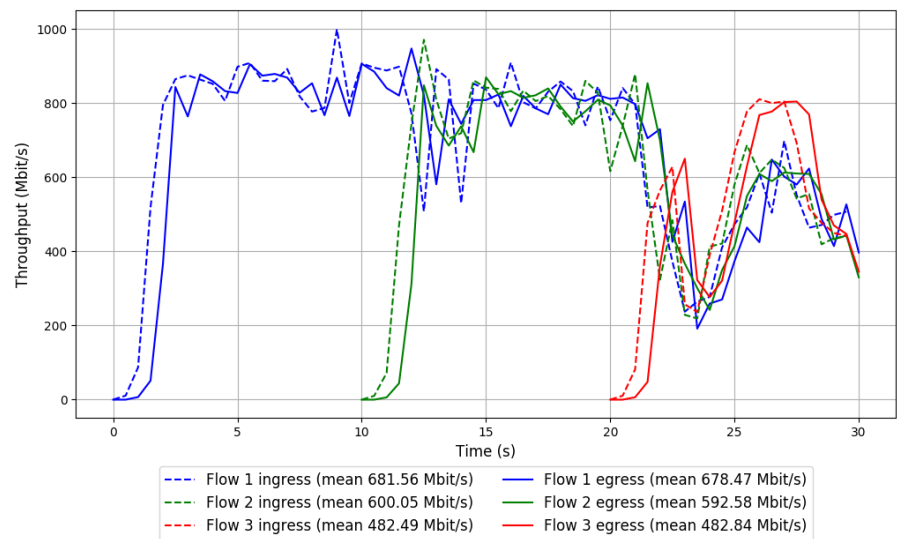
-- Flow 3:

Average throughput: 482.84 Mbit/s

95th percentile per-packet one-way delay: 135.079 ms

Loss rate: 2.22%

Run 3: Report of FillP-Sheep — Data Link

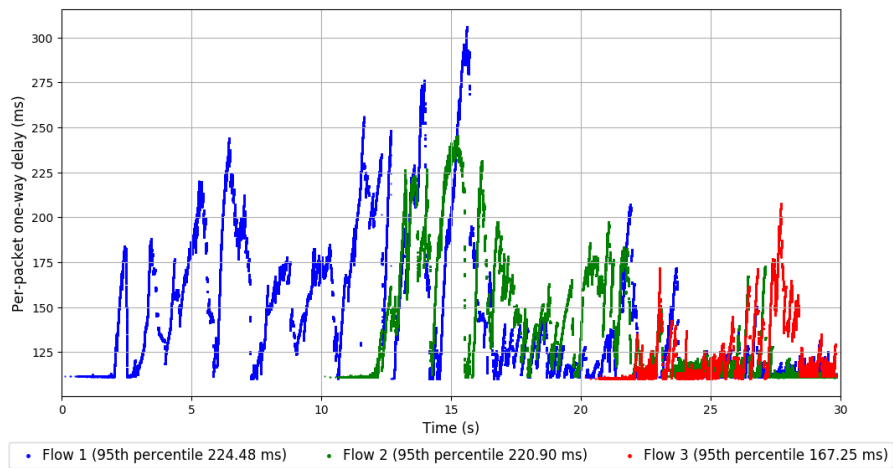
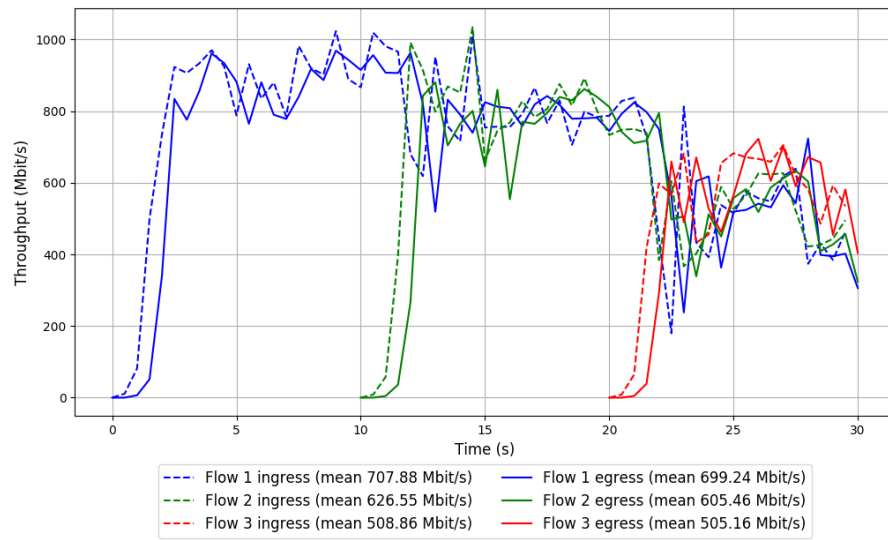


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 03:34:13
End at: 2018-07-25 03:34:43
Local clock offset: -0.183 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-25 07:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1265.19 Mbit/s
95th percentile per-packet one-way delay: 220.188 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 699.24 Mbit/s
95th percentile per-packet one-way delay: 224.479 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 605.46 Mbit/s
95th percentile per-packet one-way delay: 220.903 ms
Loss rate: 4.44%
-- Flow 3:
Average throughput: 505.16 Mbit/s
95th percentile per-packet one-way delay: 167.255 ms
Loss rate: 2.97%

Run 4: Report of FillP-Sheep — Data Link

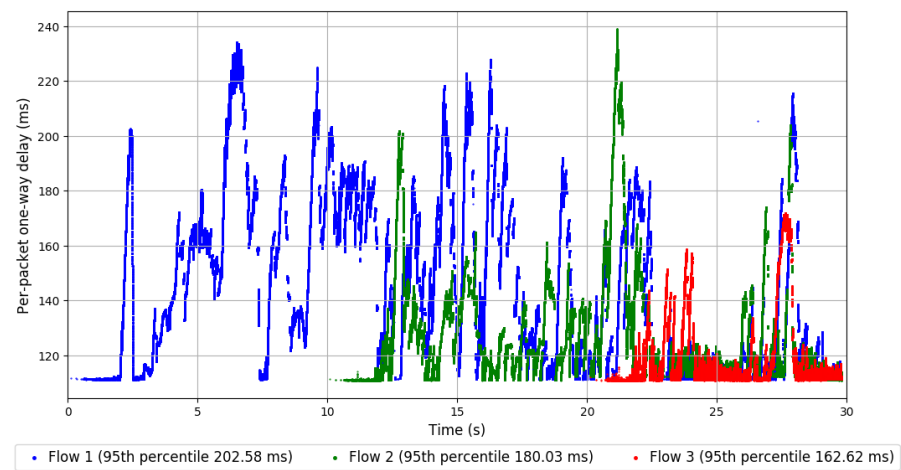
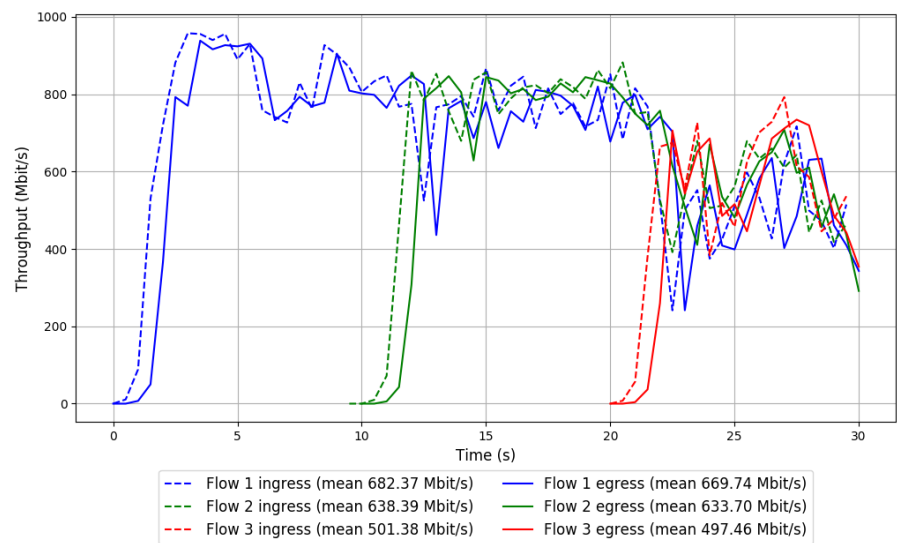


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 04:00:21
End at: 2018-07-25 04:00:51
Local clock offset: -0.001 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-25 07:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1252.44 Mbit/s
95th percentile per-packet one-way delay: 195.786 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 669.74 Mbit/s
95th percentile per-packet one-way delay: 202.582 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 633.70 Mbit/s
95th percentile per-packet one-way delay: 180.029 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 497.46 Mbit/s
95th percentile per-packet one-way delay: 162.616 ms
Loss rate: 3.03%

Run 5: Report of FillP-Sheep — Data Link

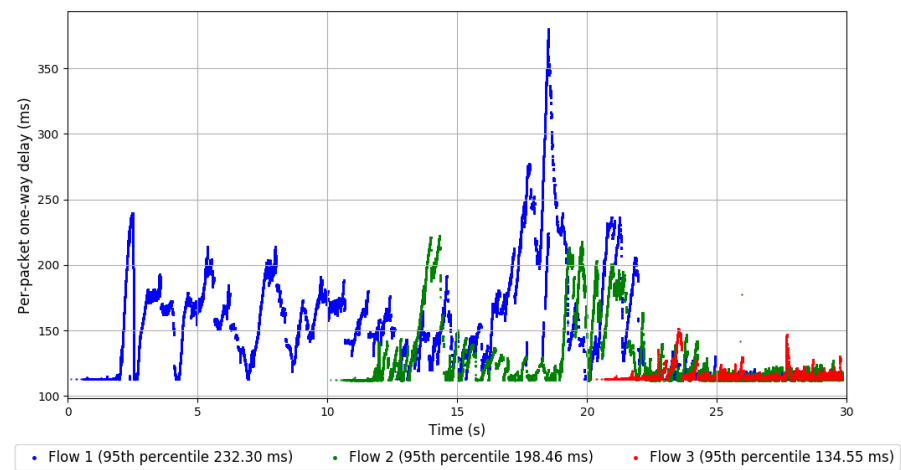
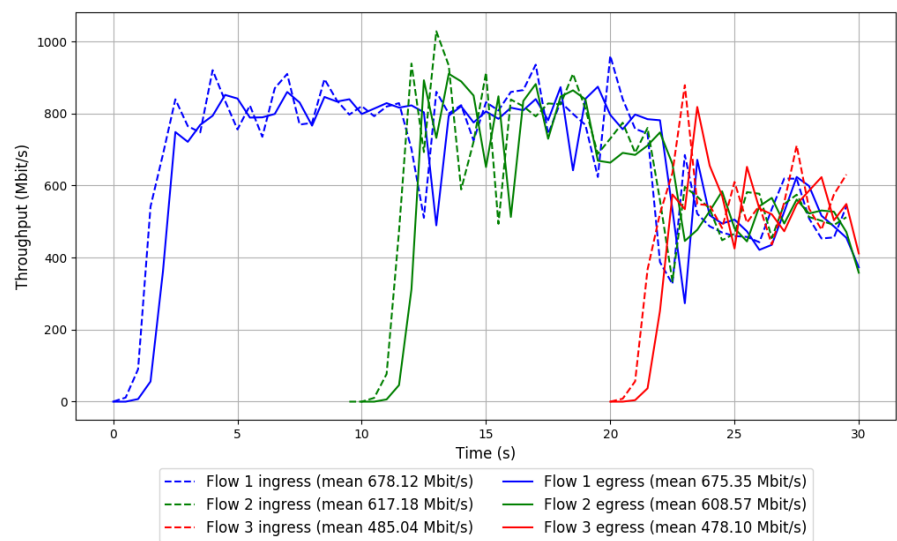


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 04:26:52
End at: 2018-07-25 04:27:22
Local clock offset: 1.369 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-25 07:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1235.06 Mbit/s
95th percentile per-packet one-way delay: 216.108 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 675.35 Mbit/s
95th percentile per-packet one-way delay: 232.300 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 608.57 Mbit/s
95th percentile per-packet one-way delay: 198.457 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 478.10 Mbit/s
95th percentile per-packet one-way delay: 134.548 ms
Loss rate: 3.52%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 04:53:22

End at: 2018-07-25 04:53:52

Local clock offset: -0.055 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2018-07-25 07:51:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 947.40 Mbit/s

95th percentile per-packet one-way delay: 328.702 ms

Loss rate: 6.32%

-- Flow 1:

Average throughput: 245.02 Mbit/s

95th percentile per-packet one-way delay: 349.891 ms

Loss rate: 8.38%

-- Flow 2:

Average throughput: 783.71 Mbit/s

95th percentile per-packet one-way delay: 194.931 ms

Loss rate: 2.57%

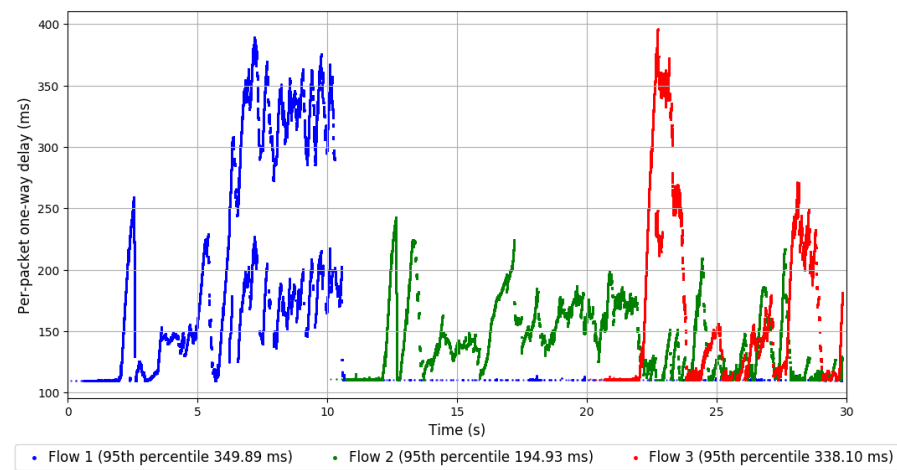
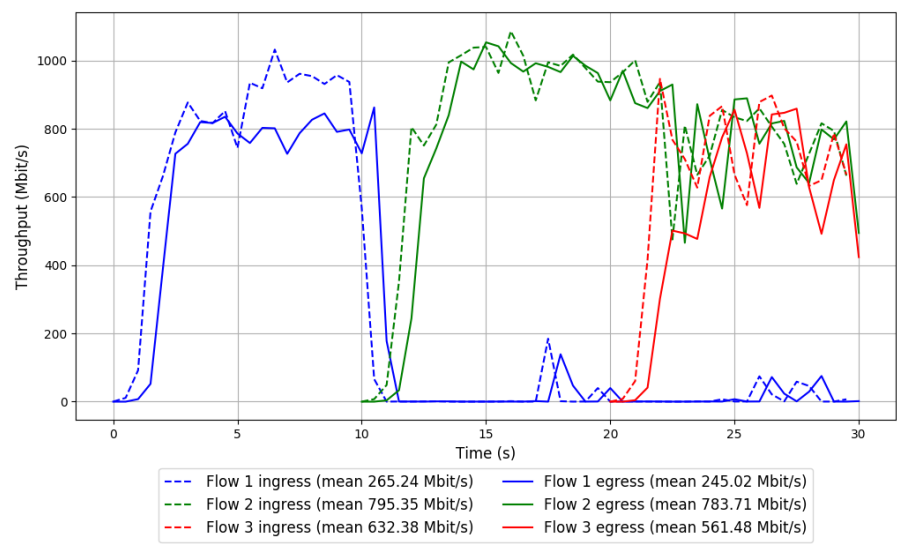
-- Flow 3:

Average throughput: 561.48 Mbit/s

95th percentile per-packet one-way delay: 338.103 ms

Loss rate: 13.19%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 05:19:24

End at: 2018-07-25 05:19:54

Local clock offset: 0.016 ms

Remote clock offset: 0.352 ms

Below is generated by plot.py at 2018-07-25 08:02:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1206.05 Mbit/s

95th percentile per-packet one-way delay: 249.724 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 659.91 Mbit/s

95th percentile per-packet one-way delay: 245.301 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 624.65 Mbit/s

95th percentile per-packet one-way delay: 196.438 ms

Loss rate: 1.74%

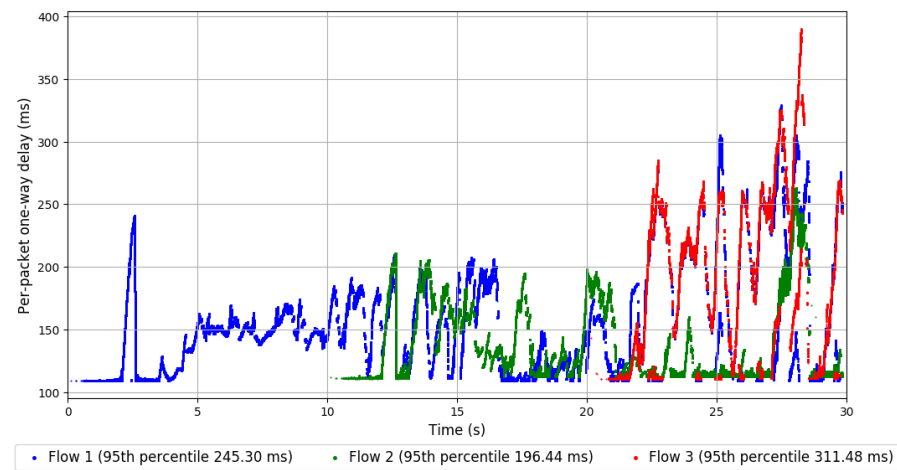
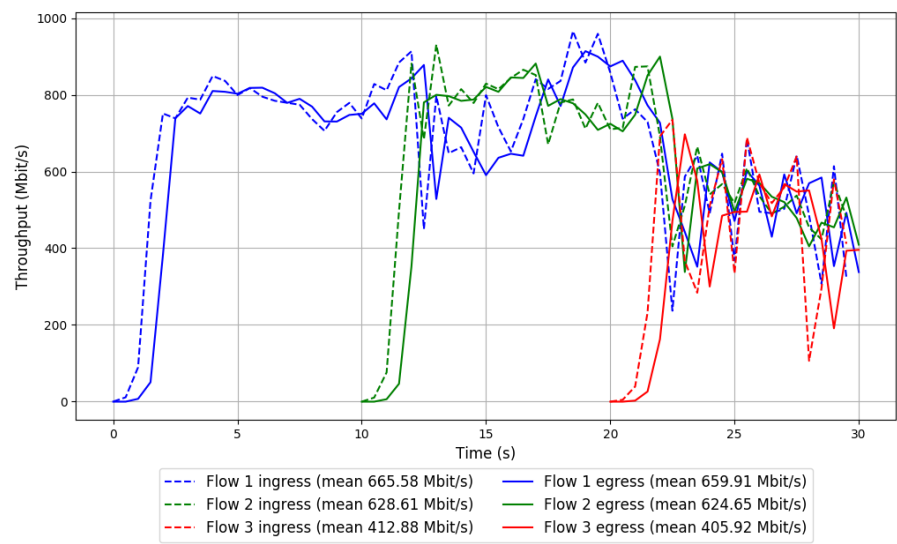
-- Flow 3:

Average throughput: 405.92 Mbit/s

95th percentile per-packet one-way delay: 311.476 ms

Loss rate: 4.17%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 05:45:57

End at: 2018-07-25 05:46:27

Local clock offset: 1.162 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-25 08:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 1283.98 Mbit/s

95th percentile per-packet one-way delay: 239.932 ms

Loss rate: 2.37%

-- Flow 1:

Average throughput: 690.67 Mbit/s

95th percentile per-packet one-way delay: 207.689 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 632.83 Mbit/s

95th percentile per-packet one-way delay: 303.285 ms

Loss rate: 2.44%

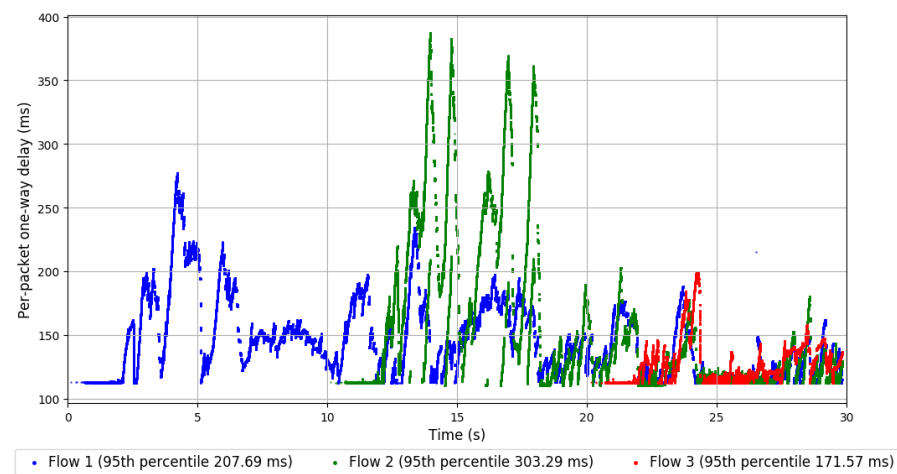
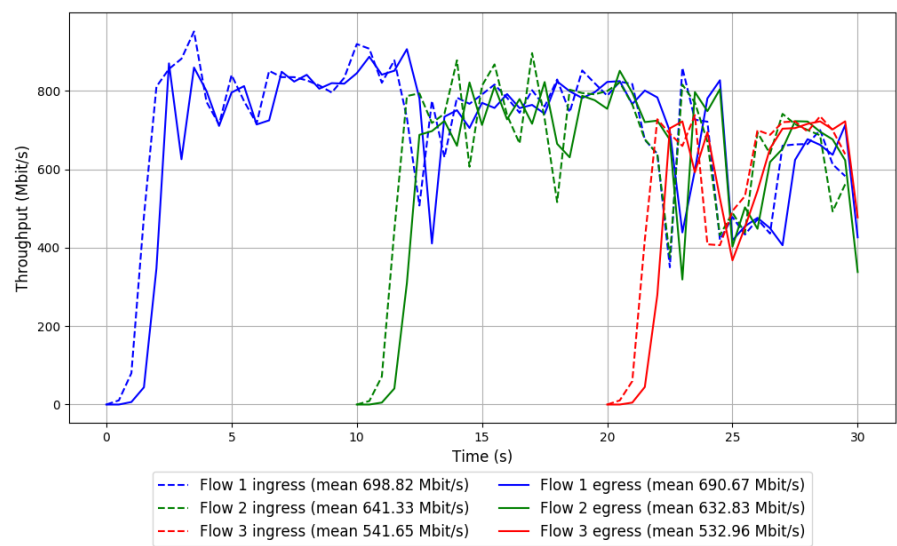
-- Flow 3:

Average throughput: 532.96 Mbit/s

95th percentile per-packet one-way delay: 171.570 ms

Loss rate: 3.84%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 06:12:16

End at: 2018-07-25 06:12:46

Local clock offset: 0.084 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 1274.85 Mbit/s

95th percentile per-packet one-way delay: 210.863 ms

Loss rate: 3.32%

-- Flow 1:

Average throughput: 705.91 Mbit/s

95th percentile per-packet one-way delay: 219.487 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 596.35 Mbit/s

95th percentile per-packet one-way delay: 203.873 ms

Loss rate: 6.44%

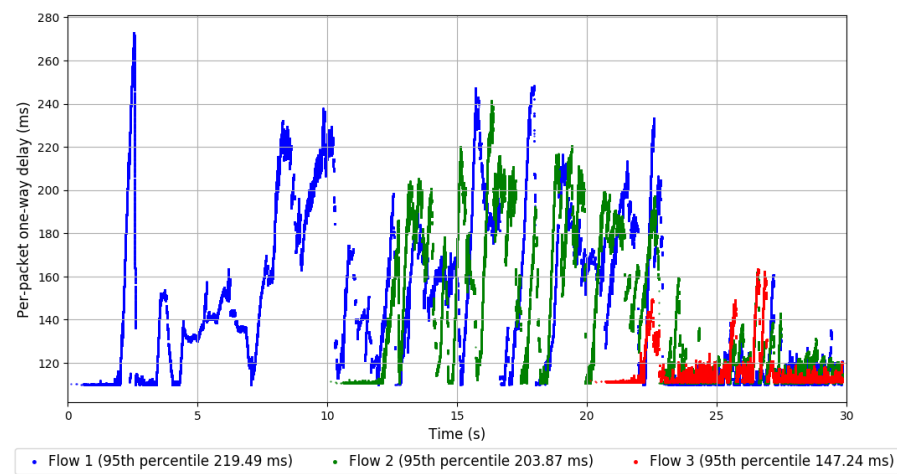
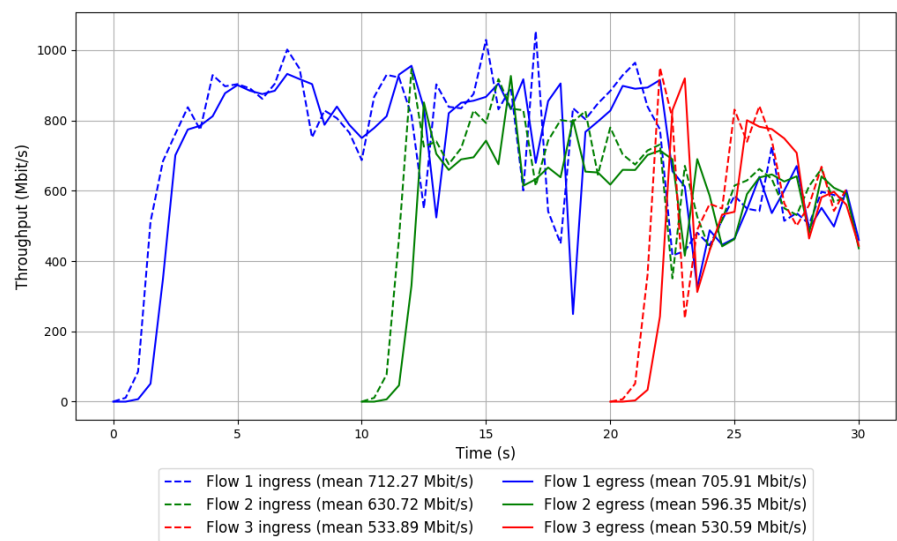
-- Flow 3:

Average throughput: 530.59 Mbit/s

95th percentile per-packet one-way delay: 147.238 ms

Loss rate: 2.87%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-25 02:08:51

End at: 2018-07-25 02:09:21

Local clock offset: 0.047 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.01 Mbit/s

95th percentile per-packet one-way delay: 120.996 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 152.70 Mbit/s

95th percentile per-packet one-way delay: 115.693 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 146.54 Mbit/s

95th percentile per-packet one-way delay: 125.116 ms

Loss rate: 1.19%

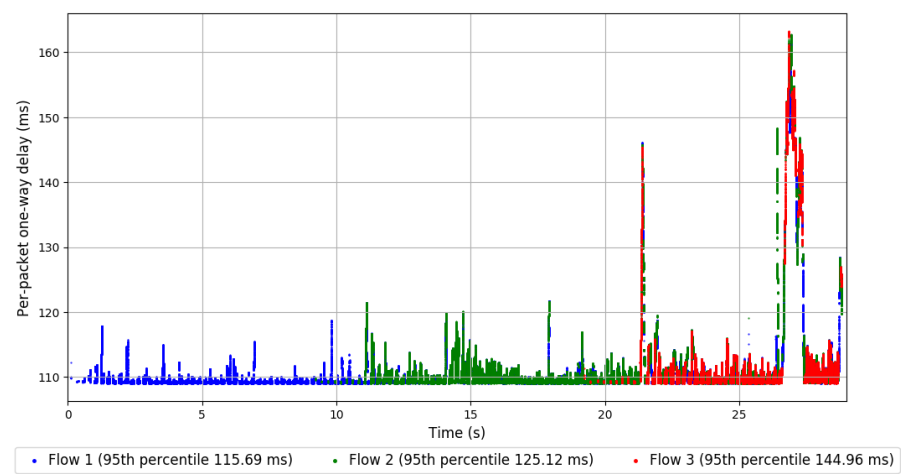
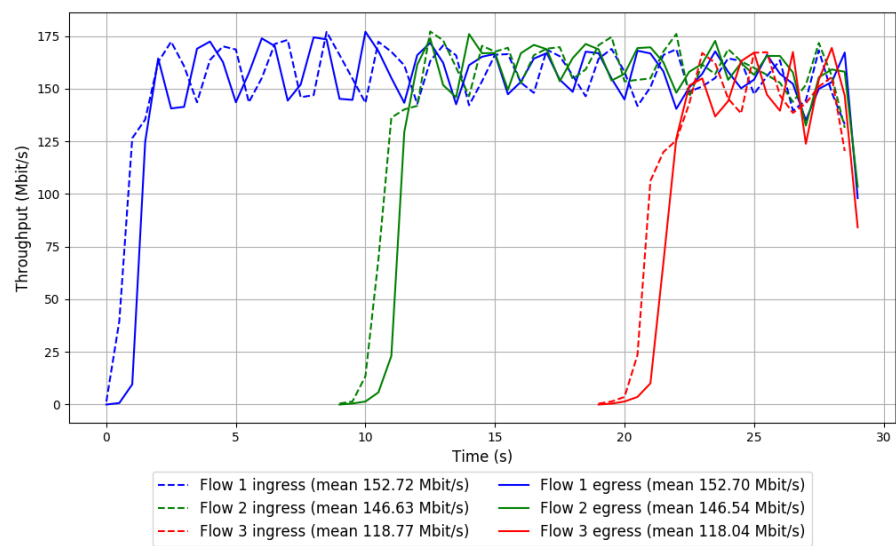
-- Flow 3:

Average throughput: 118.04 Mbit/s

95th percentile per-packet one-way delay: 144.958 ms

Loss rate: 2.88%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-25 02:35:14

End at: 2018-07-25 02:35:44

Local clock offset: 0.224 ms

Remote clock offset: 0.383 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 285.02 Mbit/s

95th percentile per-packet one-way delay: 114.690 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 150.23 Mbit/s

95th percentile per-packet one-way delay: 112.504 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 143.78 Mbit/s

95th percentile per-packet one-way delay: 115.073 ms

Loss rate: 1.22%

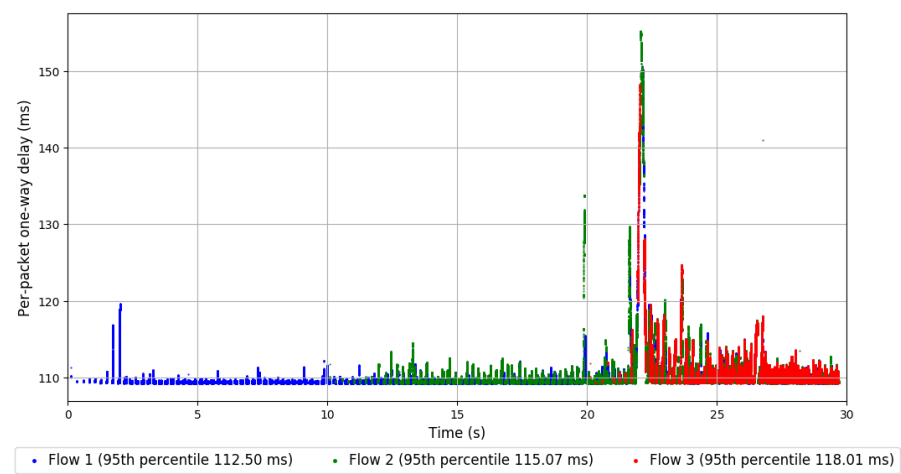
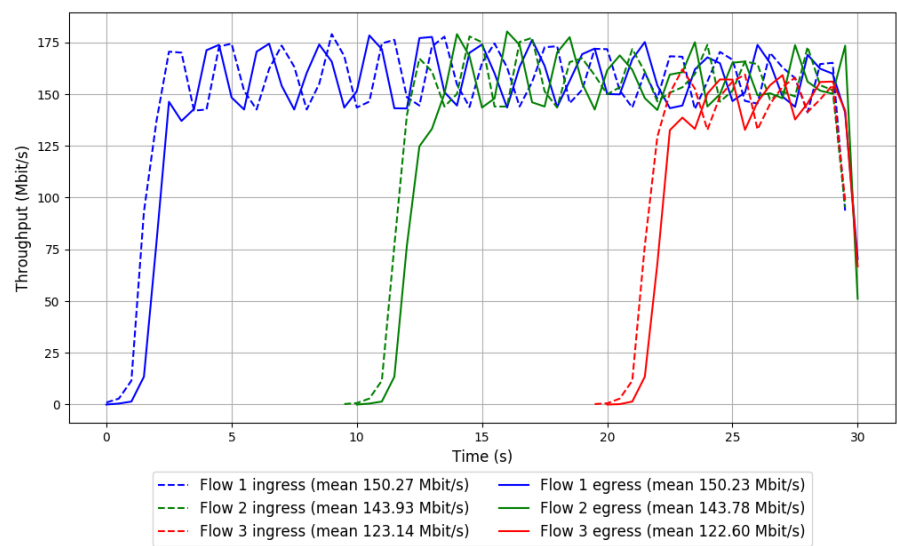
-- Flow 3:

Average throughput: 122.60 Mbit/s

95th percentile per-packet one-way delay: 118.010 ms

Loss rate: 2.78%

Run 2: Report of Indigo — Data Link

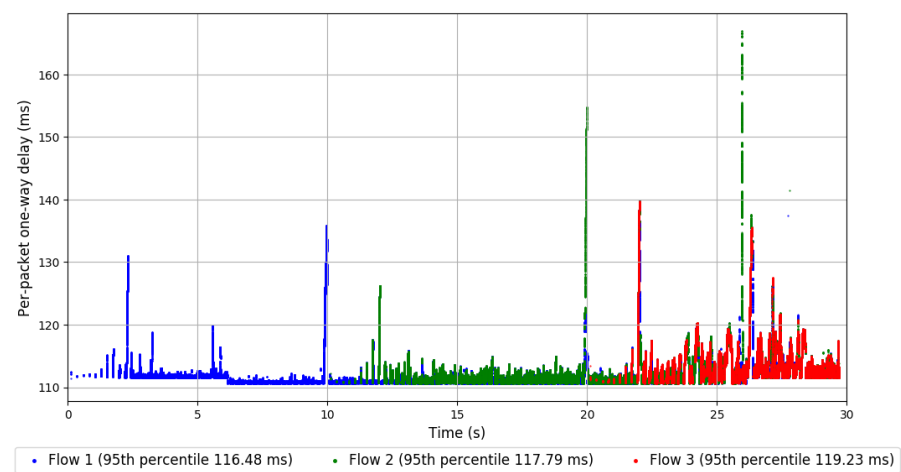
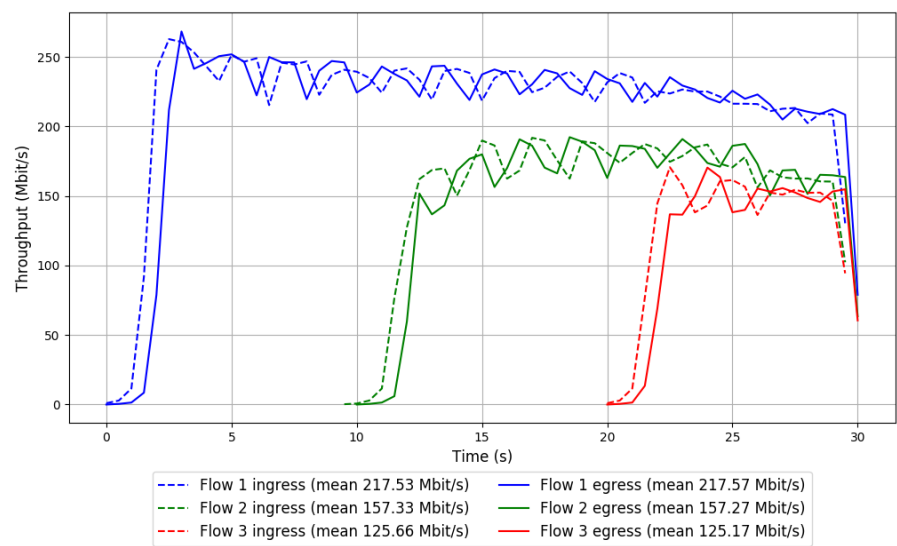


Run 3: Statistics of Indigo

Start at: 2018-07-25 03:02:14
End at: 2018-07-25 03:02:44
Local clock offset: 0.119 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.23 Mbit/s
95th percentile per-packet one-way delay: 117.550 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 217.57 Mbit/s
95th percentile per-packet one-way delay: 116.481 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 157.27 Mbit/s
95th percentile per-packet one-way delay: 117.788 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 125.17 Mbit/s
95th percentile per-packet one-way delay: 119.233 ms
Loss rate: 2.68%

Run 3: Report of Indigo — Data Link

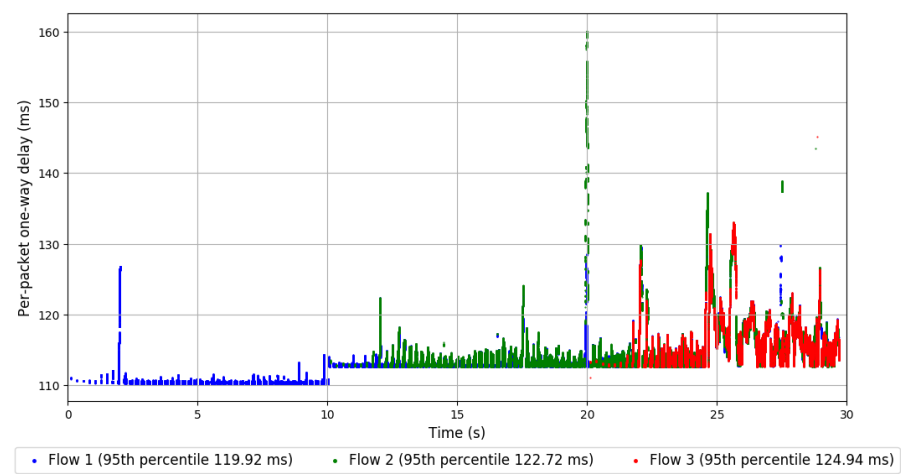
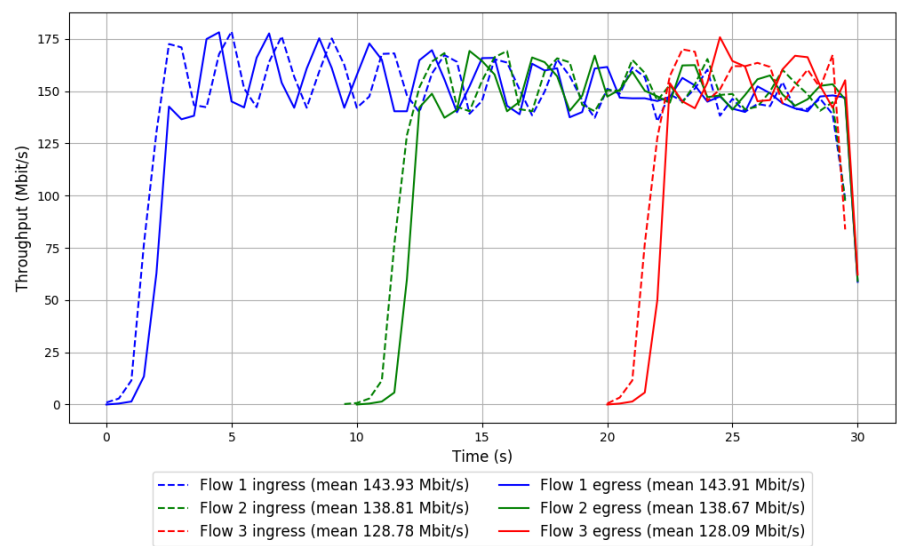


Run 4: Statistics of Indigo

Start at: 2018-07-25 03:28:50
End at: 2018-07-25 03:29:20
Local clock offset: 0.208 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.06 Mbit/s
95th percentile per-packet one-way delay: 121.267 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 143.91 Mbit/s
95th percentile per-packet one-way delay: 119.917 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 138.67 Mbit/s
95th percentile per-packet one-way delay: 122.720 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 128.09 Mbit/s
95th percentile per-packet one-way delay: 124.940 ms
Loss rate: 2.79%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-25 03:54:57

End at: 2018-07-25 03:55:27

Local clock offset: -0.312 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.87 Mbit/s

95th percentile per-packet one-way delay: 116.101 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 148.30 Mbit/s

95th percentile per-packet one-way delay: 113.145 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 190.60 Mbit/s

95th percentile per-packet one-way delay: 117.390 ms

Loss rate: 1.09%

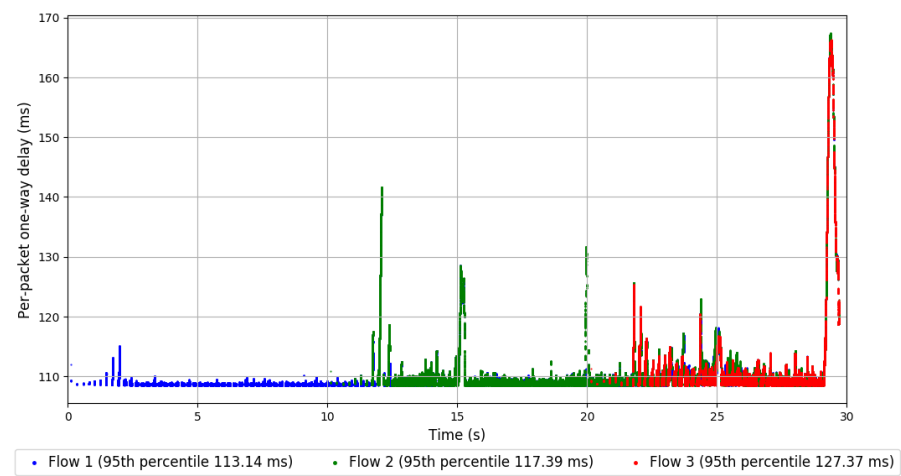
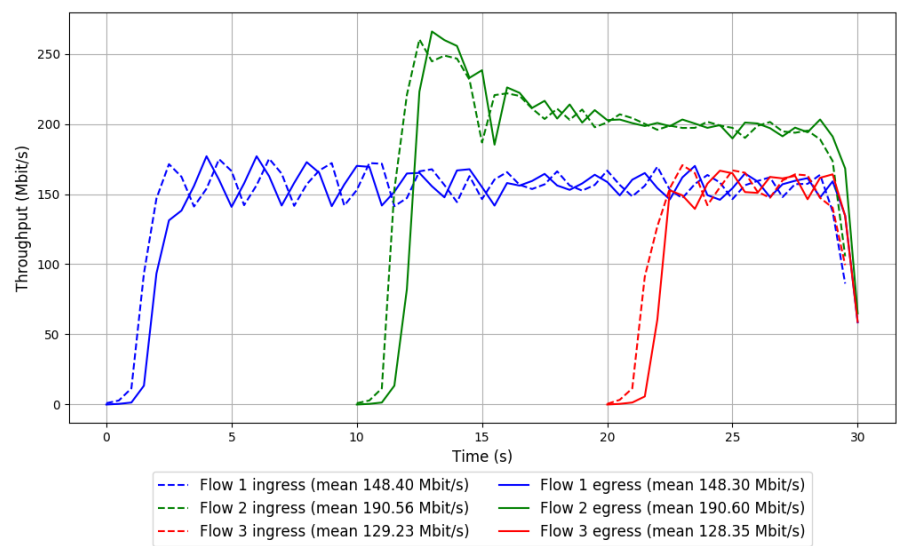
-- Flow 3:

Average throughput: 128.35 Mbit/s

95th percentile per-packet one-way delay: 127.368 ms

Loss rate: 2.92%

Run 5: Report of Indigo — Data Link

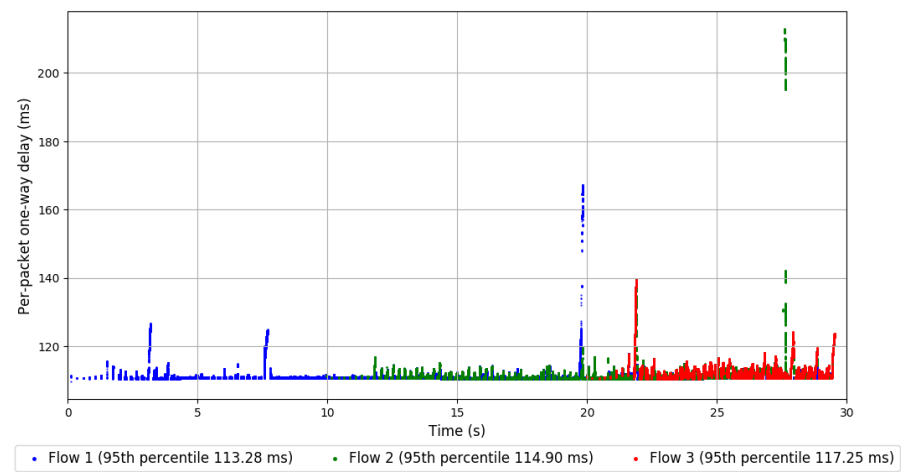
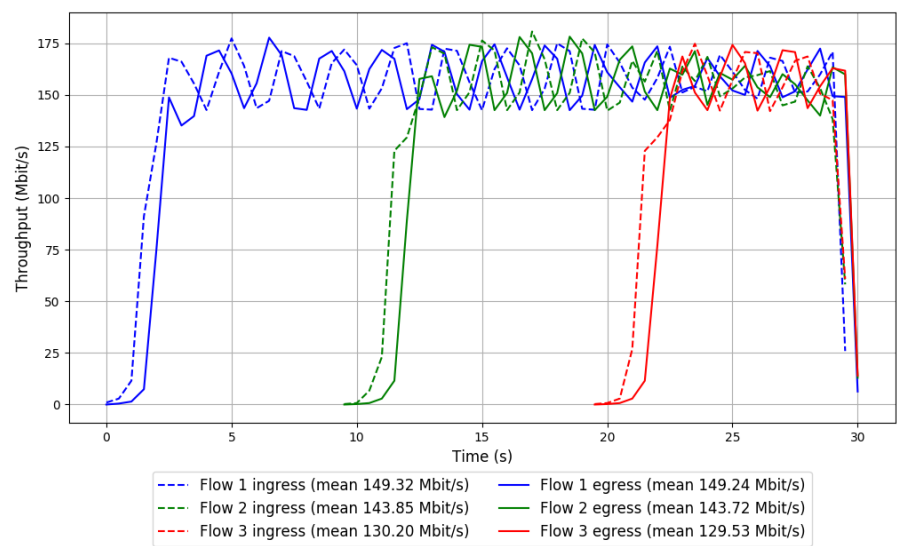


Run 6: Statistics of Indigo

Start at: 2018-07-25 04:21:26
End at: 2018-07-25 04:21:56
Local clock offset: 0.226 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.99 Mbit/s
95th percentile per-packet one-way delay: 114.444 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 149.24 Mbit/s
95th percentile per-packet one-way delay: 113.276 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 143.72 Mbit/s
95th percentile per-packet one-way delay: 114.903 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 129.53 Mbit/s
95th percentile per-packet one-way delay: 117.253 ms
Loss rate: 2.77%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-25 04:47:54

End at: 2018-07-25 04:48:24

Local clock offset: 0.076 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.26 Mbit/s

95th percentile per-packet one-way delay: 112.584 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 159.12 Mbit/s

95th percentile per-packet one-way delay: 111.938 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 145.12 Mbit/s

95th percentile per-packet one-way delay: 113.143 ms

Loss rate: 1.23%

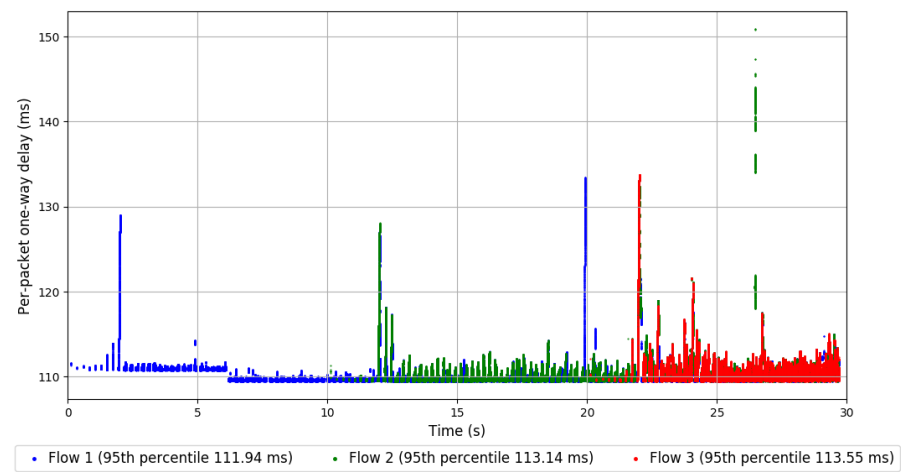
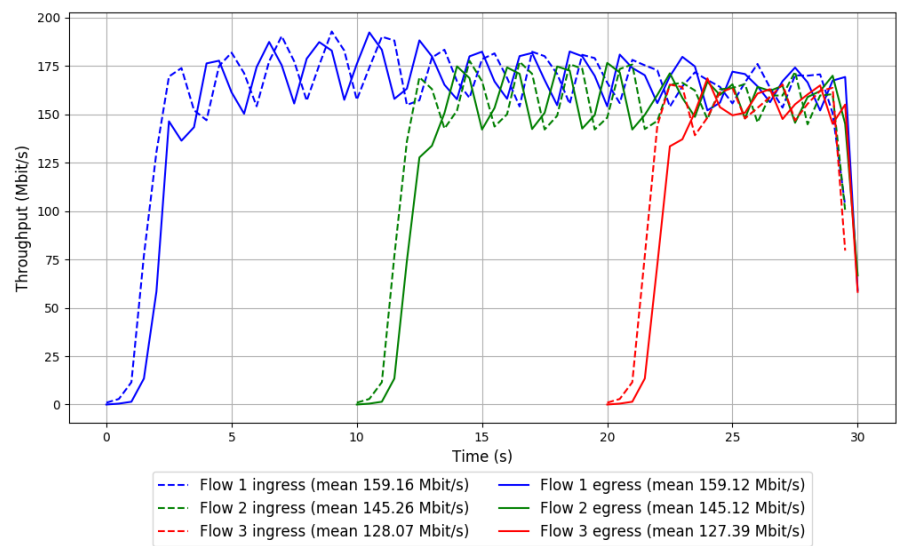
-- Flow 3:

Average throughput: 127.39 Mbit/s

95th percentile per-packet one-way delay: 113.547 ms

Loss rate: 2.77%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-25 05:14:01

End at: 2018-07-25 05:14:31

Local clock offset: -0.155 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.62 Mbit/s

95th percentile per-packet one-way delay: 113.006 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 147.24 Mbit/s

95th percentile per-packet one-way delay: 112.840 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 143.87 Mbit/s

95th percentile per-packet one-way delay: 113.260 ms

Loss rate: 1.14%

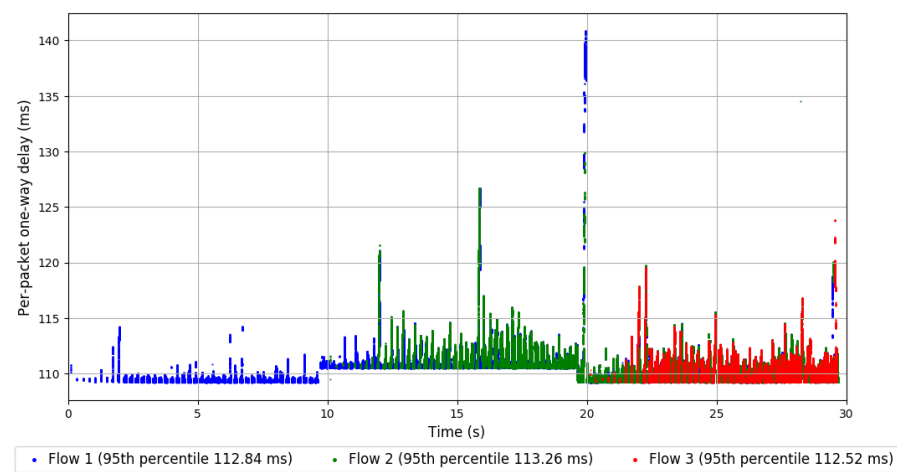
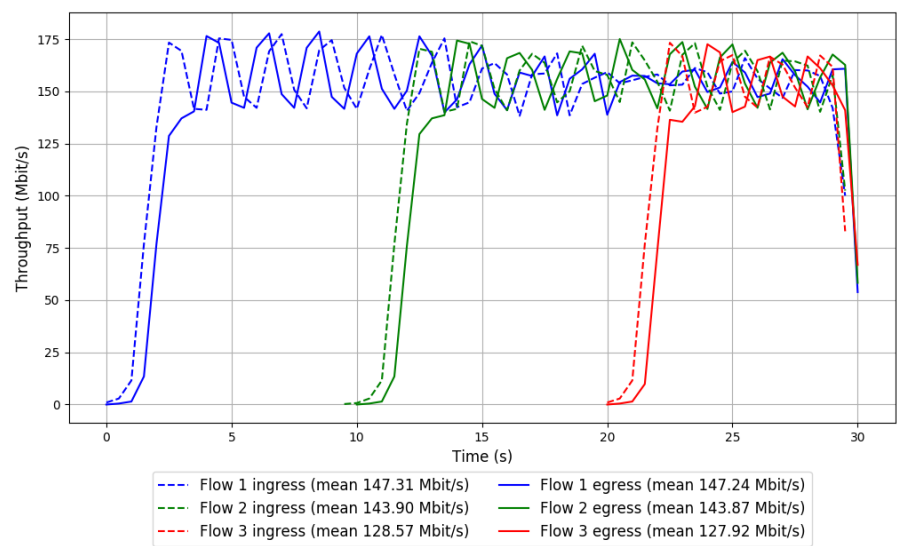
-- Flow 3:

Average throughput: 127.92 Mbit/s

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

Loss rate: 2.77%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-25 05:40:28

End at: 2018-07-25 05:40:58

Local clock offset: 0.017 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 335.78 Mbit/s

95th percentile per-packet one-way delay: 121.570 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 201.79 Mbit/s

95th percentile per-packet one-way delay: 117.019 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 140.89 Mbit/s

95th percentile per-packet one-way delay: 124.404 ms

Loss rate: 1.24%

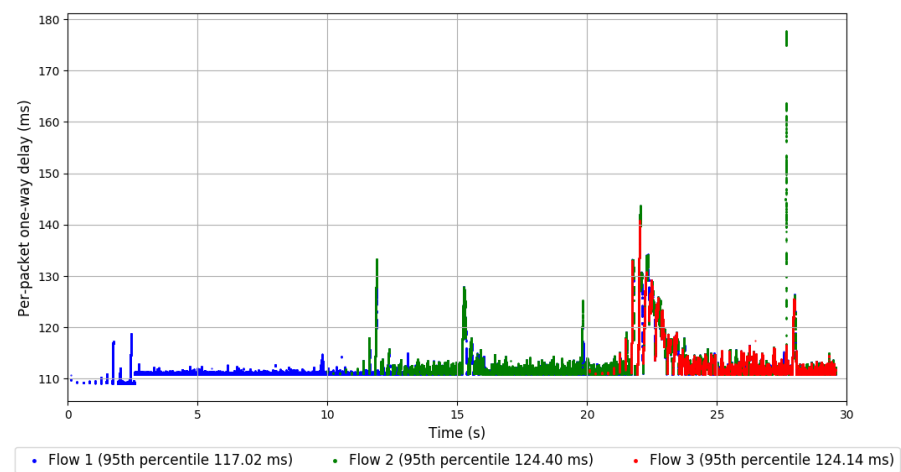
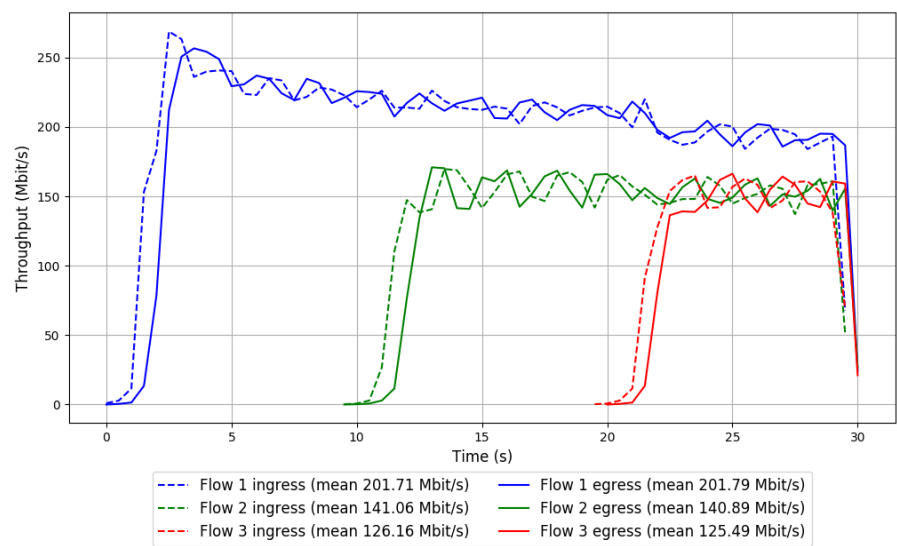
-- Flow 3:

Average throughput: 125.49 Mbit/s

95th percentile per-packet one-way delay: 124.142 ms

Loss rate: 2.83%

Run 9: Report of Indigo — Data Link

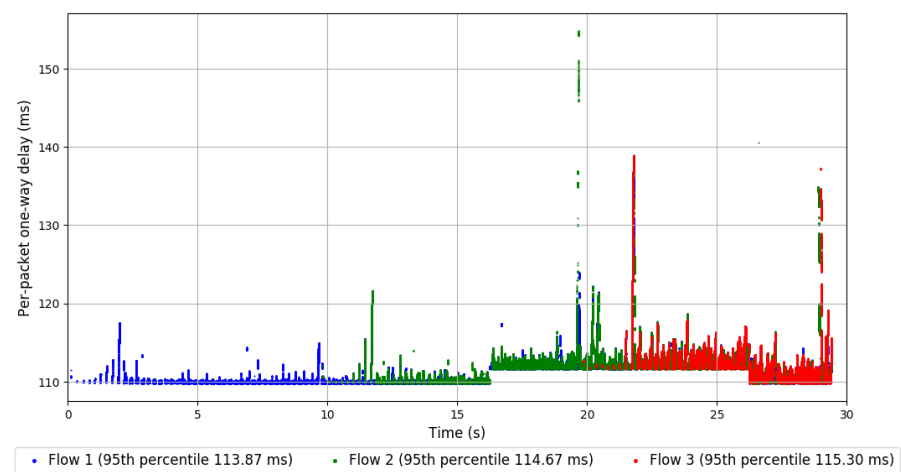
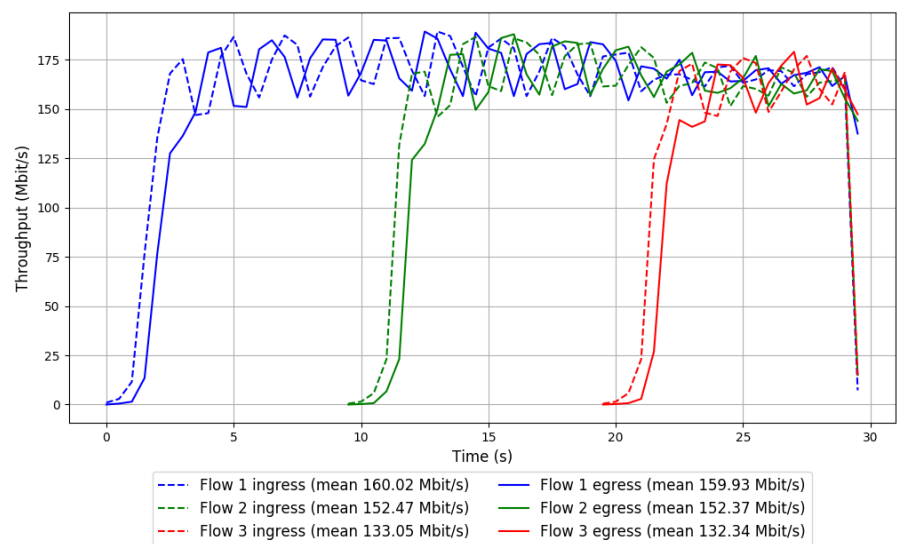


Run 10: Statistics of Indigo

Start at: 2018-07-25 06:07:04
End at: 2018-07-25 06:07:34
Local clock offset: 0.077 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.89 Mbit/s
95th percentile per-packet one-way delay: 114.471 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 159.93 Mbit/s
95th percentile per-packet one-way delay: 113.871 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 152.37 Mbit/s
95th percentile per-packet one-way delay: 114.673 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 132.34 Mbit/s
95th percentile per-packet one-way delay: 115.297 ms
Loss rate: 2.81%

Run 10: Report of Indigo — Data Link

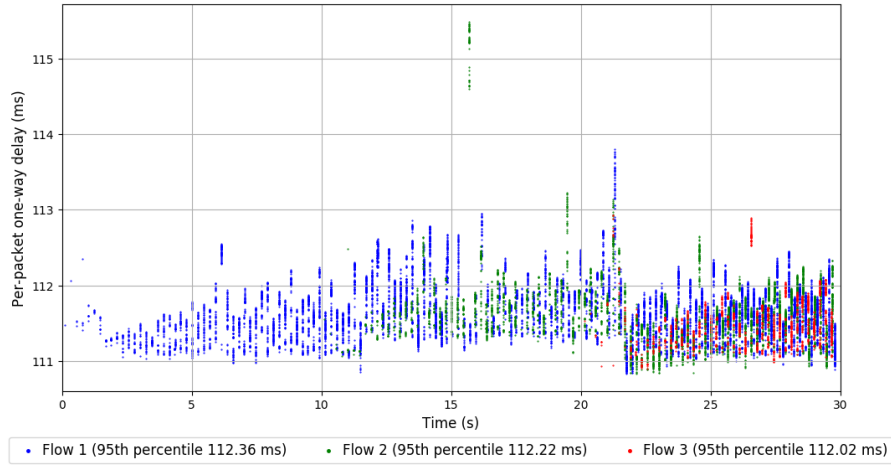
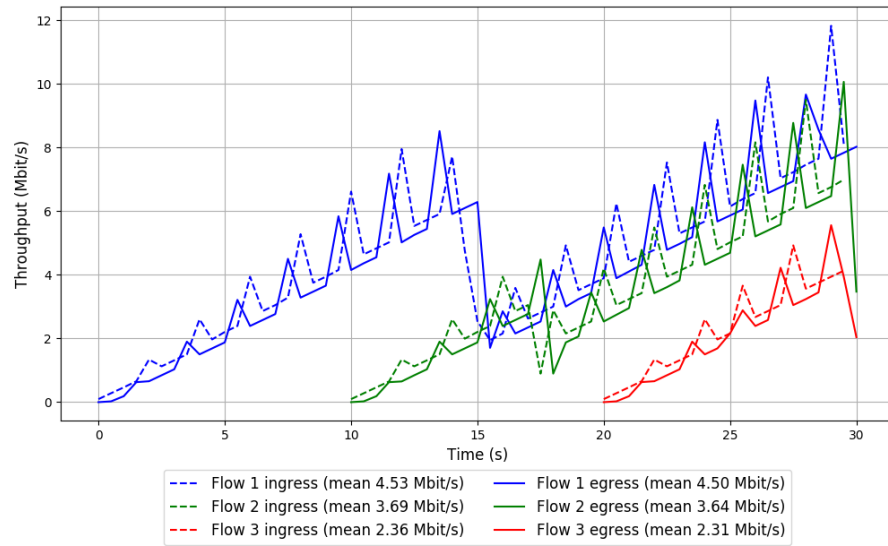


Run 1: Statistics of LEDBAT

Start at: 2018-07-25 01:55:39
End at: 2018-07-25 01:56:09
Local clock offset: -0.102 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 112.324 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 112.362 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 112.223 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 112.021 ms
Loss rate: 4.53%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-25 02:21:59

End at: 2018-07-25 02:22:29

Local clock offset: 0.11 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.94 Mbit/s

95th percentile per-packet one-way delay: 112.743 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 112.696 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 112.935 ms

Loss rate: 2.30%

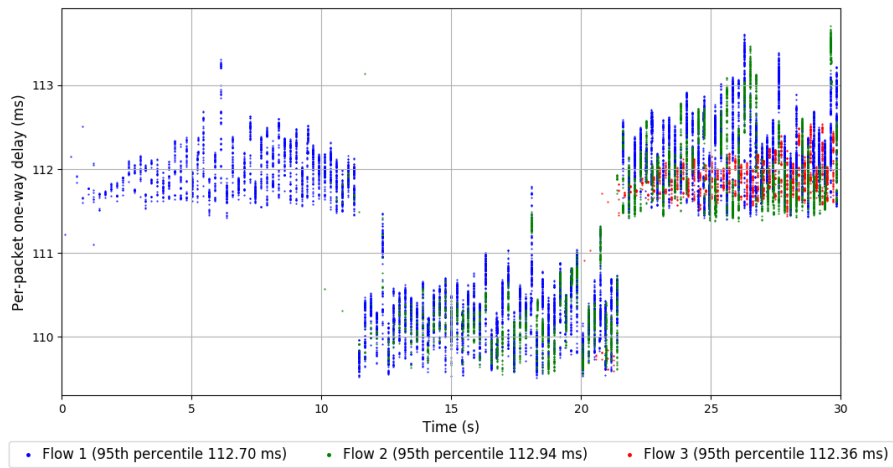
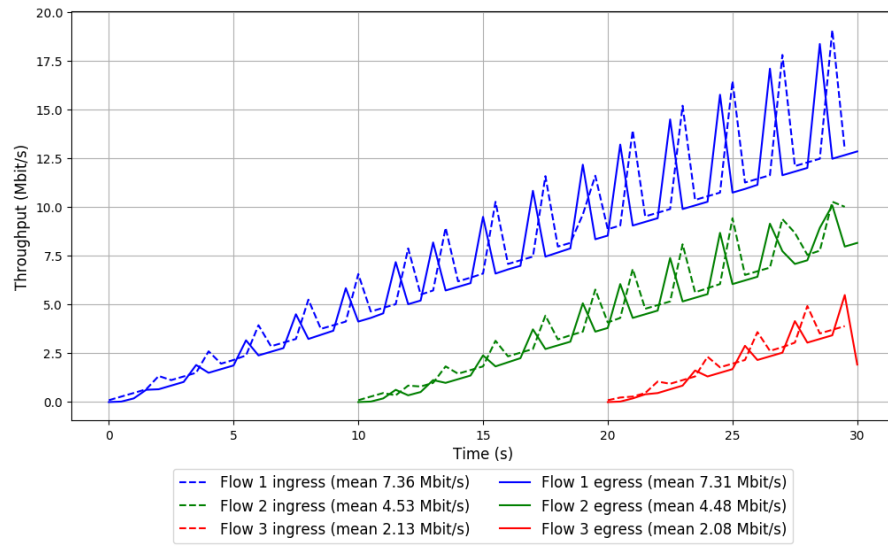
-- Flow 3:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 112.357 ms

Loss rate: 4.71%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-25 02:48:30

End at: 2018-07-25 02:49:00

Local clock offset: 0.134 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.58 Mbit/s

95th percentile per-packet one-way delay: 111.696 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 6.85 Mbit/s

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

Loss rate: 1.53%

-- Flow 2:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 112.020 ms

Loss rate: 2.66%

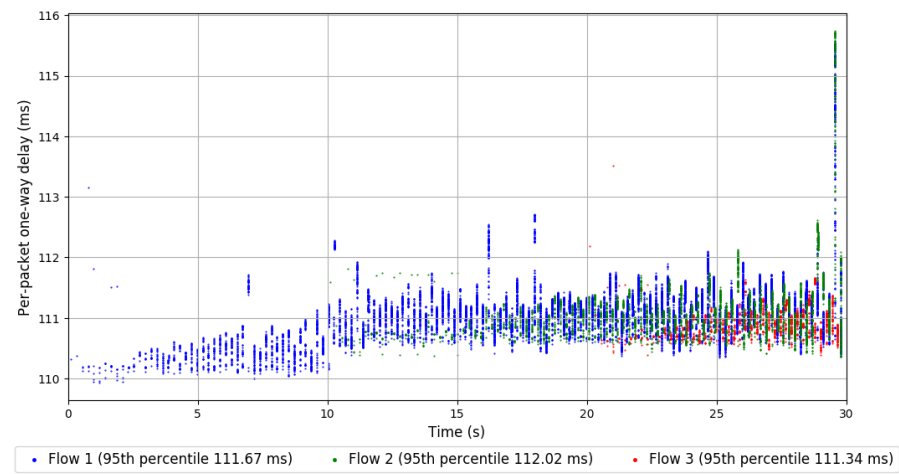
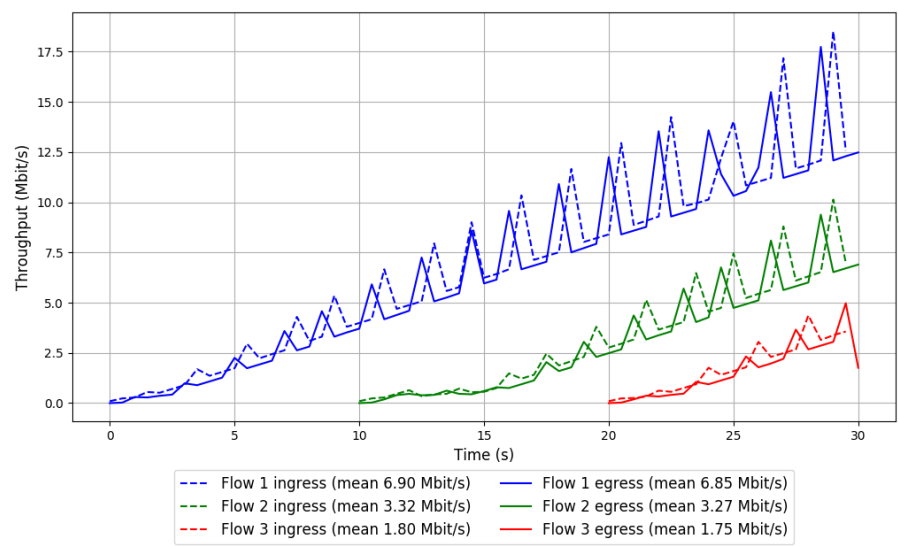
-- Flow 3:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 111.336 ms

Loss rate: 5.12%

Run 3: Report of LEDBAT — Data Link

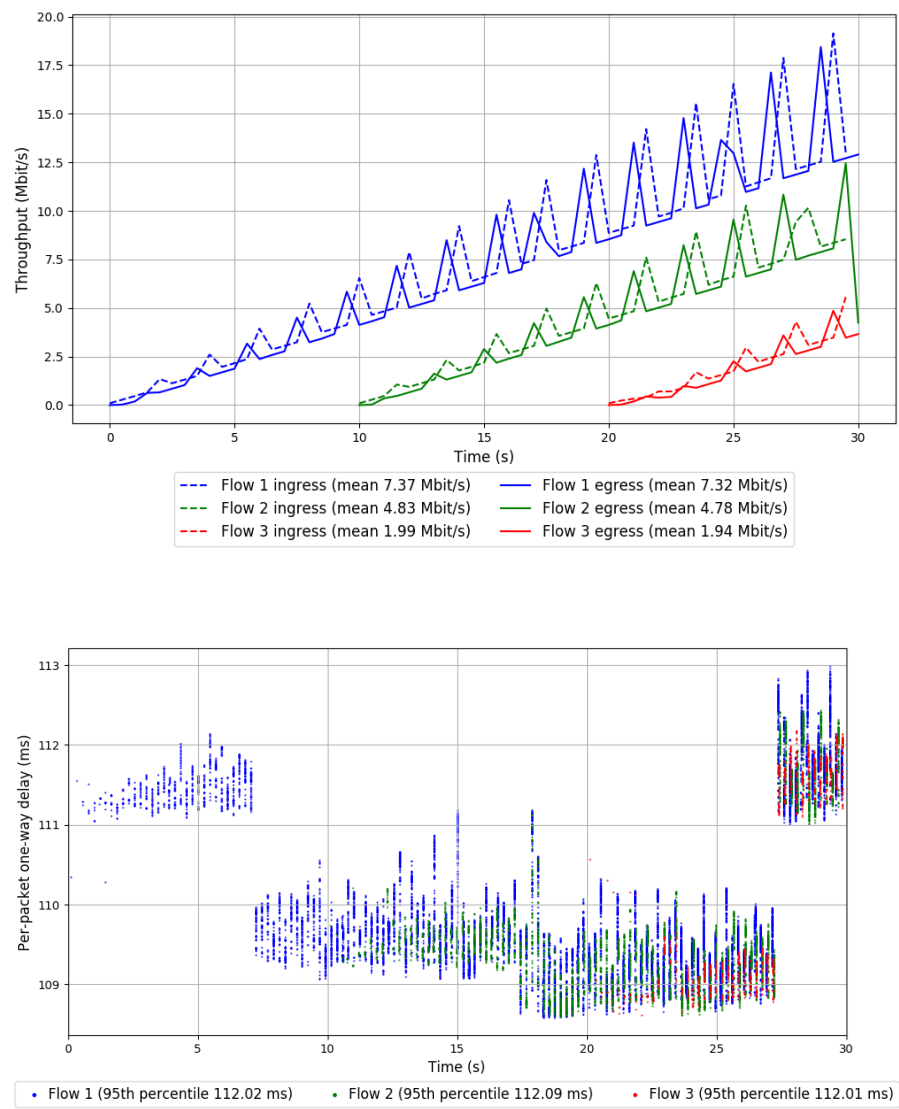


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 03:15:43
End at: 2018-07-25 03:16:13
Local clock offset: -1.154 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 112.044 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 112.019 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 112.092 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 112.007 ms
Loss rate: 4.79%

Run 4: Report of LEDBAT — Data Link

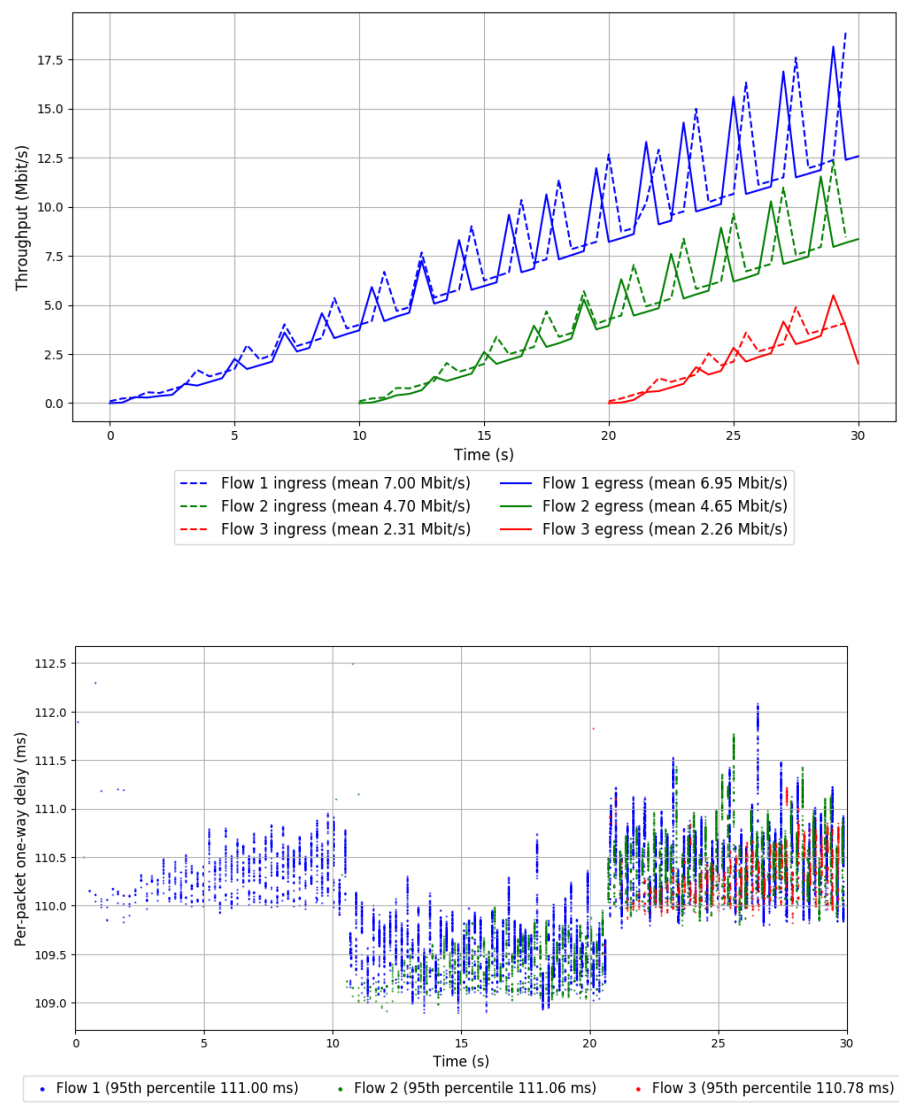


Run 5: Statistics of LEDBAT

Start at: 2018-07-25 03:42:10
End at: 2018-07-25 03:42:40
Local clock offset: 0.095 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 111.009 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 110.999 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 111.065 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 110.785 ms
Loss rate: 4.58%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-25 04:08:21

End at: 2018-07-25 04:08:51

Local clock offset: -0.135 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.51 Mbit/s

95th percentile per-packet one-way delay: 111.167 ms

Loss rate: 2.00%

-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 111.179 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 111.063 ms

Loss rate: 2.91%

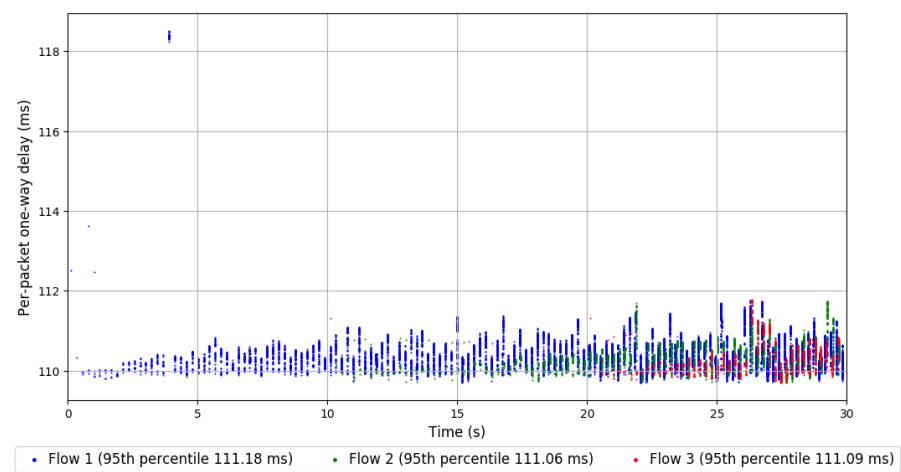
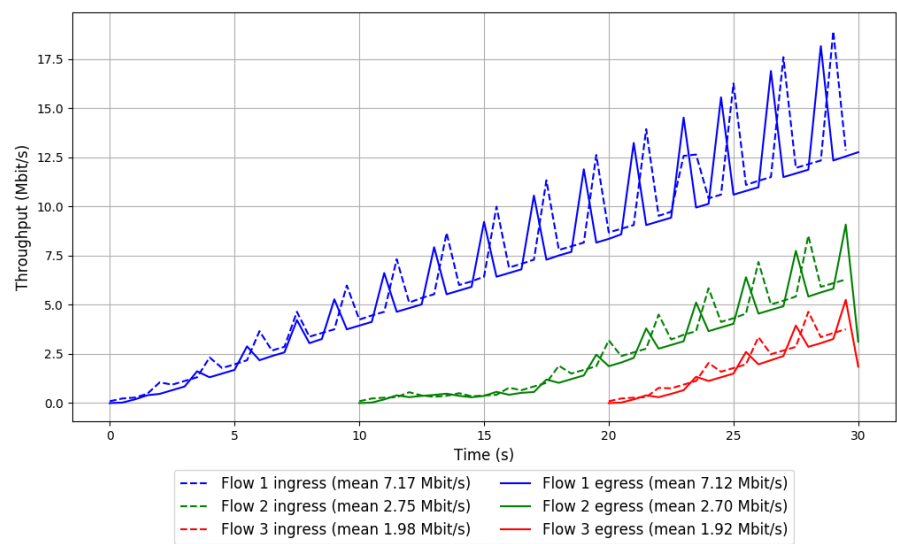
-- Flow 3:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 111.094 ms

Loss rate: 4.93%

Run 6: Report of LEDBAT — Data Link

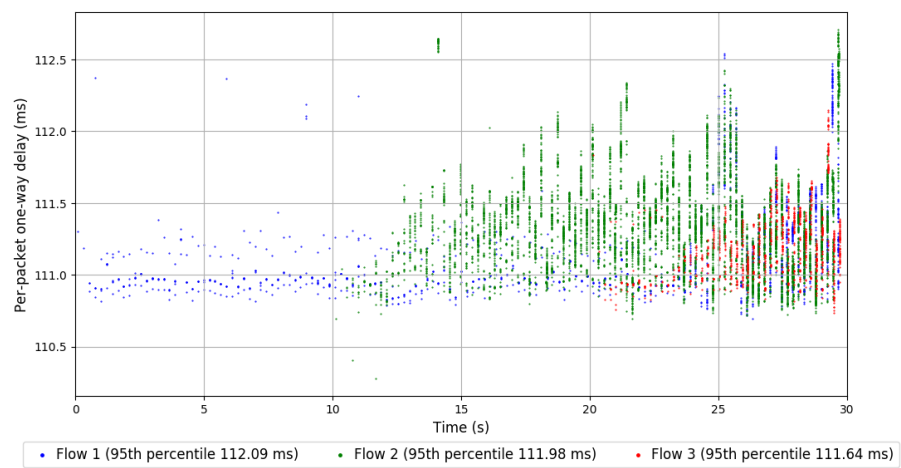
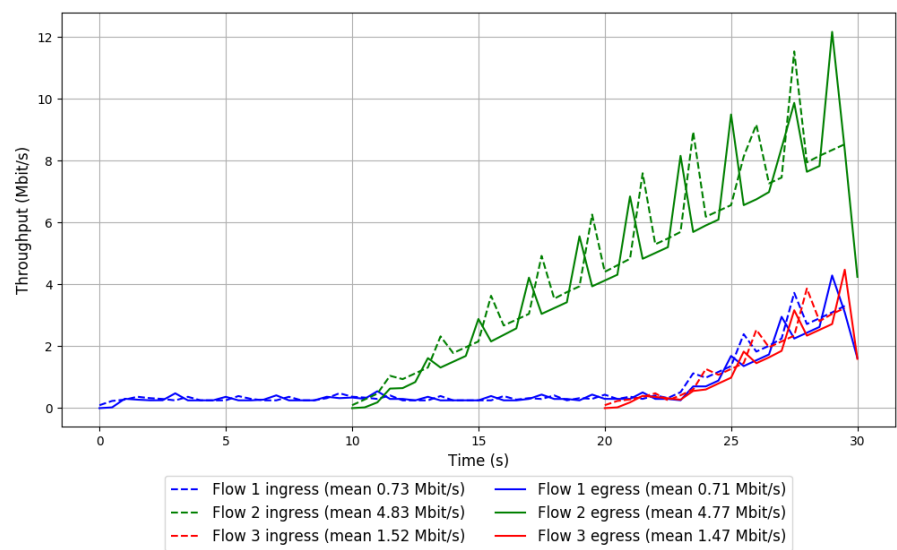


Run 7: Statistics of LEDBAT

Start at: 2018-07-25 04:34:48
End at: 2018-07-25 04:35:18
Local clock offset: -0.008 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 111.963 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 112.087 ms
Loss rate: 3.88%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 111.977 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 111.639 ms
Loss rate: 5.51%

Run 7: Report of LEDBAT — Data Link

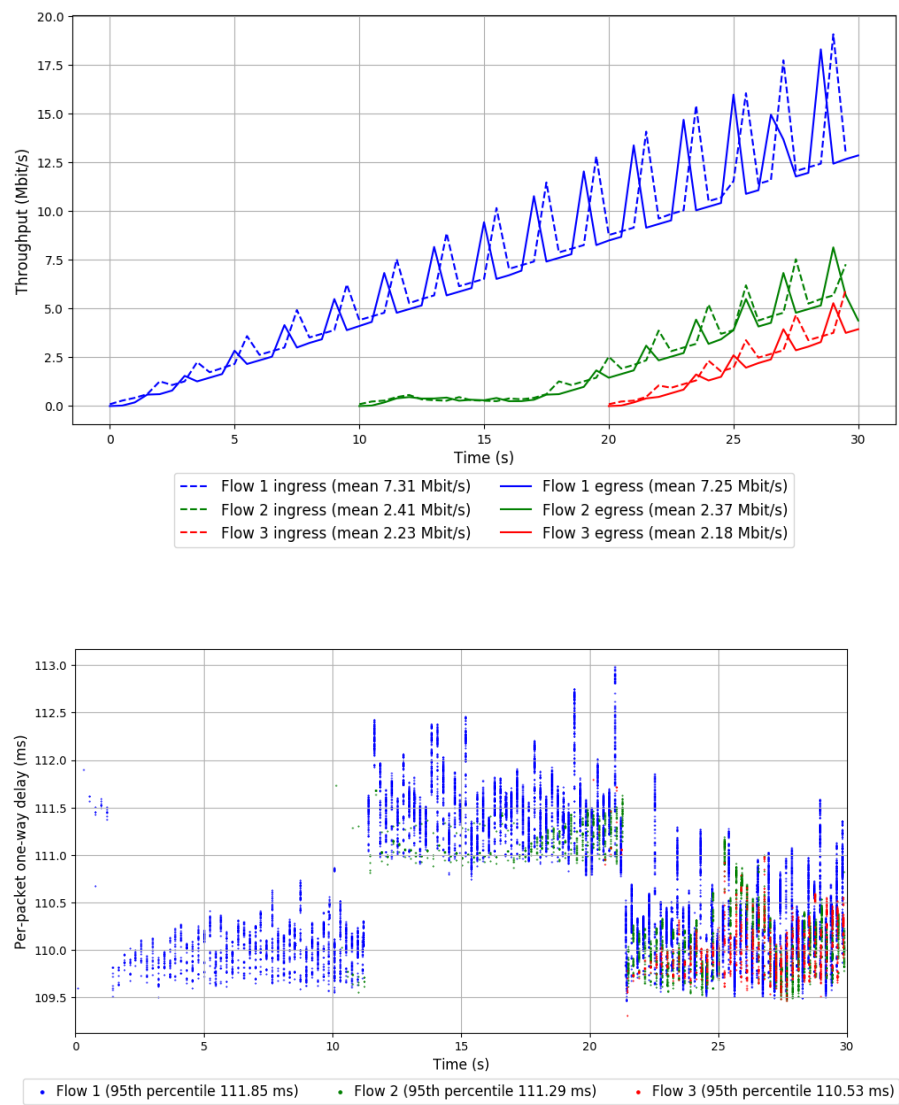


Run 8: Statistics of LEDBAT

Start at: 2018-07-25 05:01:09
End at: 2018-07-25 05:01:39
Local clock offset: 0.056 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 111.760 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 111.849 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 111.290 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 110.533 ms
Loss rate: 4.60%

Run 8: Report of LEDBAT — Data Link

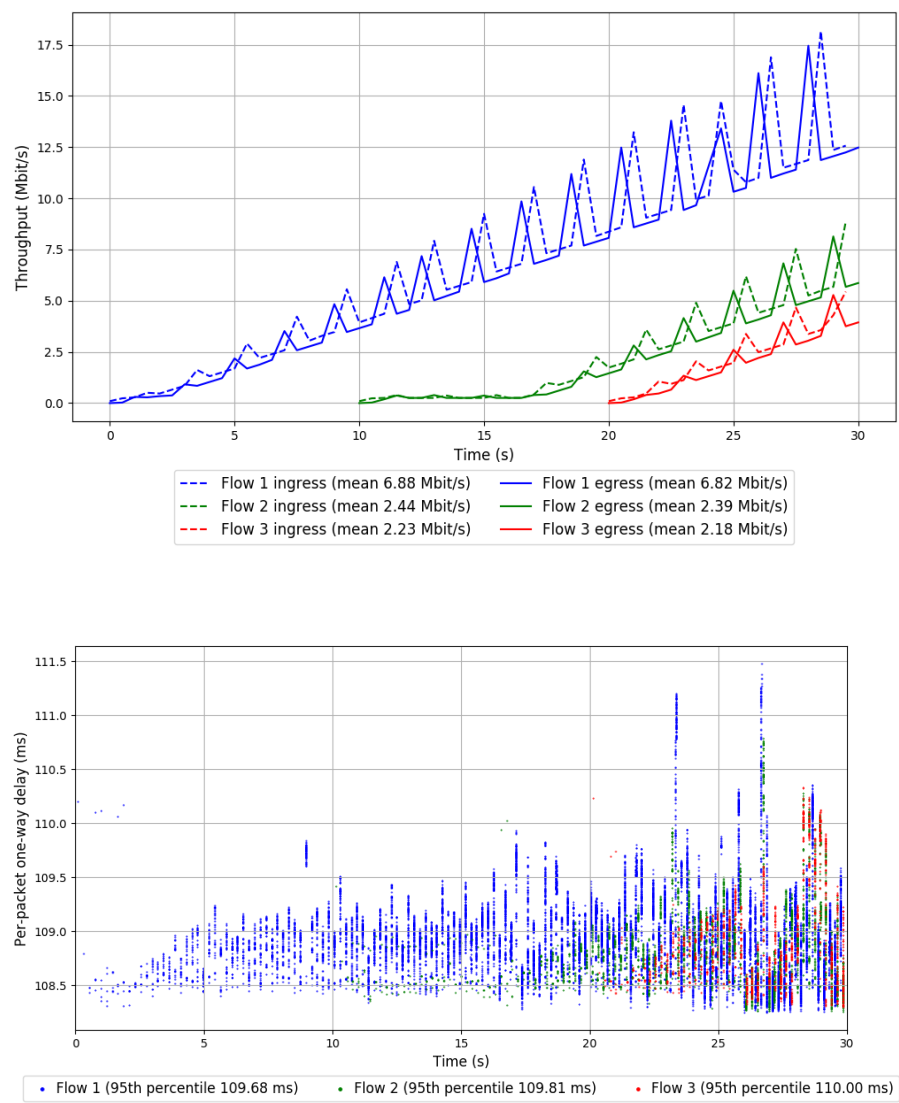


Run 9: Statistics of LEDBAT

Start at: 2018-07-25 05:27:24
End at: 2018-07-25 05:27:54
Local clock offset: -1.195 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 109.751 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 109.676 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 109.811 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 109.996 ms
Loss rate: 4.60%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-25 05:53:51

End at: 2018-07-25 05:54:21

Local clock offset: 0.031 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 112.183 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 112.275 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 112.051 ms

Loss rate: 2.25%

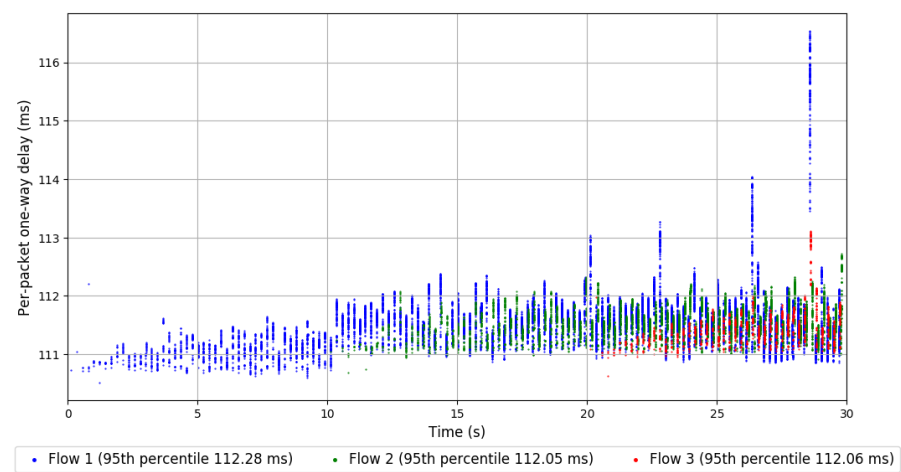
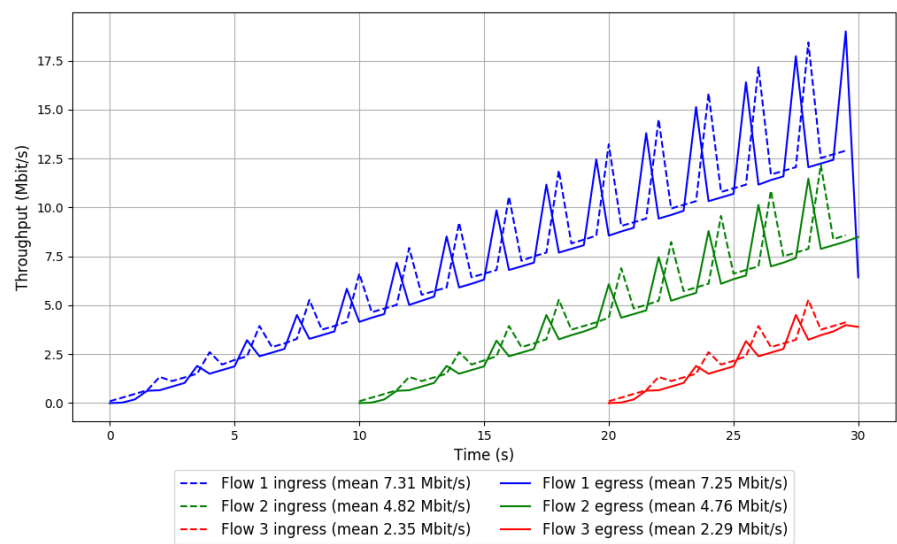
-- Flow 3:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 112.056 ms

Loss rate: 4.53%

Run 10: Report of LEDBAT — Data Link

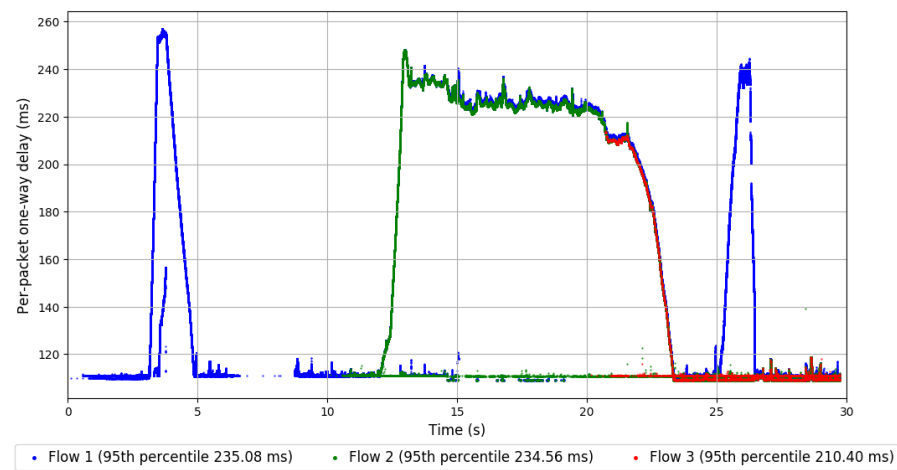
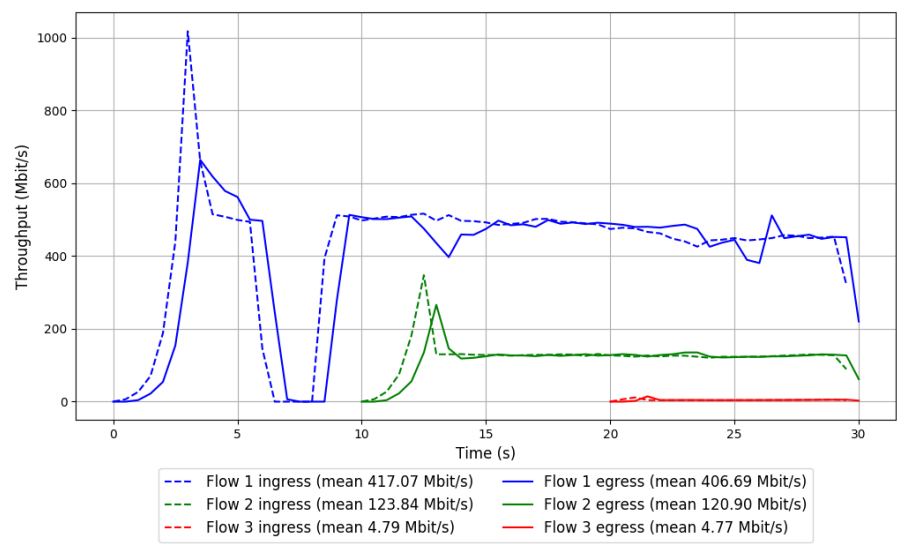


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 02:10:26
End at: 2018-07-25 02:10:56
Local clock offset: -0.062 ms
Remote clock offset: 0.391 ms

# Below is generated by plot.py at 2018-07-25 08:04:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.29 Mbit/s
95th percentile per-packet one-way delay: 234.980 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 406.69 Mbit/s
95th percentile per-packet one-way delay: 235.079 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 120.90 Mbit/s
95th percentile per-packet one-way delay: 234.560 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 210.401 ms
Loss rate: 2.75%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 02:36:49

End at: 2018-07-25 02:37:19

Local clock offset: 0.319 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 536.18 Mbit/s

95th percentile per-packet one-way delay: 240.293 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 489.22 Mbit/s

95th percentile per-packet one-way delay: 240.310 ms

Loss rate: 2.57%

-- Flow 2:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 239.547 ms

Loss rate: 2.50%

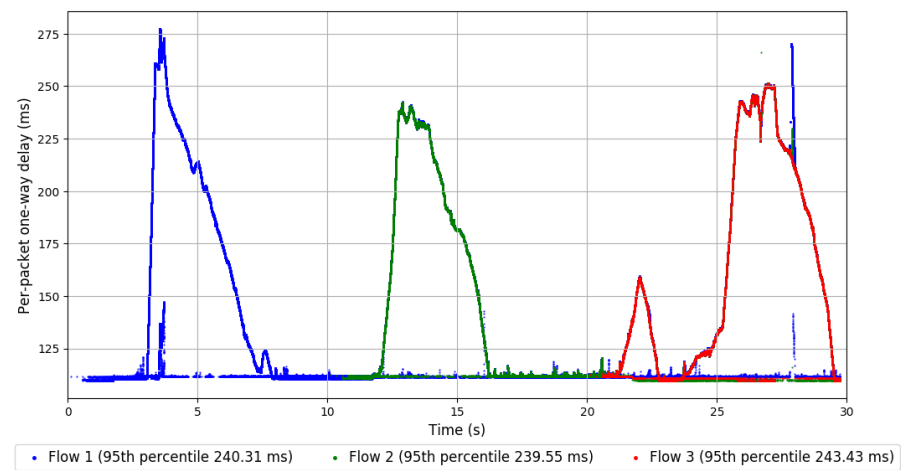
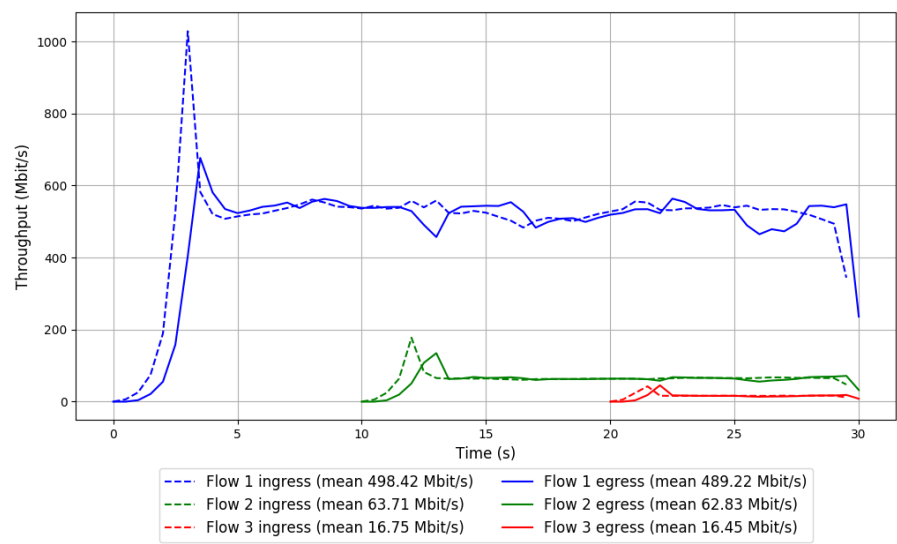
-- Flow 3:

Average throughput: 16.45 Mbit/s

95th percentile per-packet one-way delay: 243.433 ms

Loss rate: 4.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 03:04:09

End at: 2018-07-25 03:04:39

Local clock offset: 1.407 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.00 Mbit/s

95th percentile per-packet one-way delay: 287.631 ms

Loss rate: 6.57%

-- Flow 1:

Average throughput: 466.42 Mbit/s

95th percentile per-packet one-way delay: 287.904 ms

Loss rate: 6.65%

-- Flow 2:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 288.689 ms

Loss rate: 7.10%

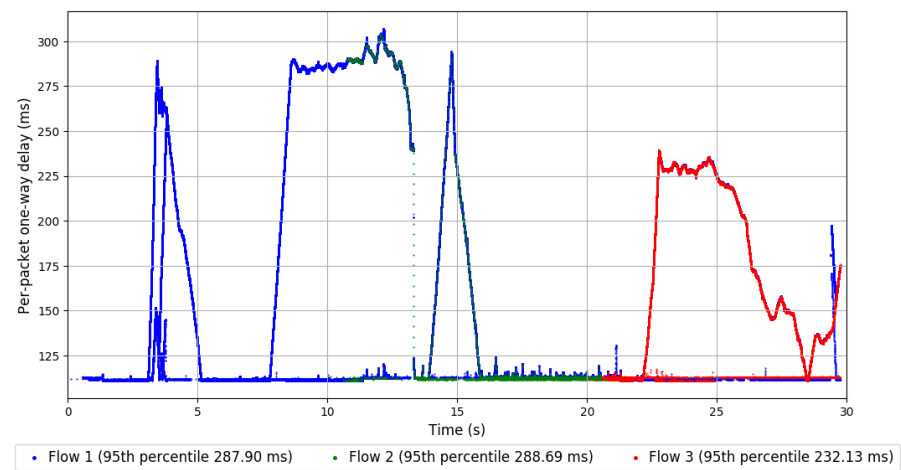
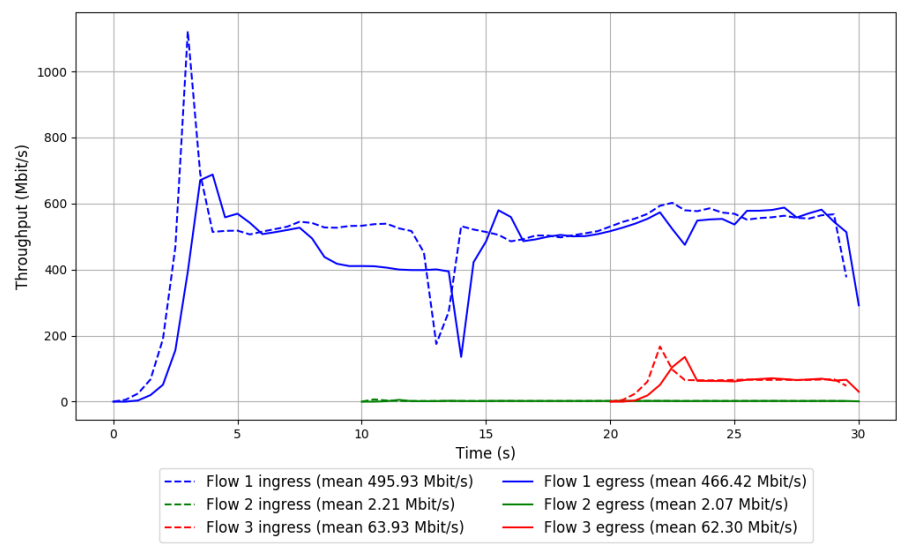
-- Flow 3:

Average throughput: 62.30 Mbit/s

95th percentile per-packet one-way delay: 232.128 ms

Loss rate: 4.74%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 03:30:25

End at: 2018-07-25 03:30:55

Local clock offset: 0.145 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-07-25 08:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 509.88 Mbit/s

95th percentile per-packet one-way delay: 240.154 ms

Loss rate: 5.57%

-- Flow 1:

Average throughput: 448.33 Mbit/s

95th percentile per-packet one-way delay: 245.461 ms

Loss rate: 5.46%

-- Flow 2:

Average throughput: 64.62 Mbit/s

95th percentile per-packet one-way delay: 235.937 ms

Loss rate: 4.64%

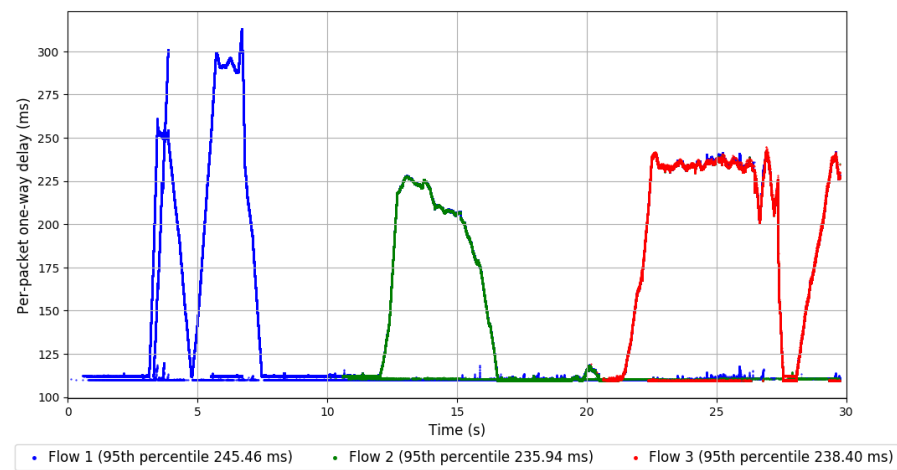
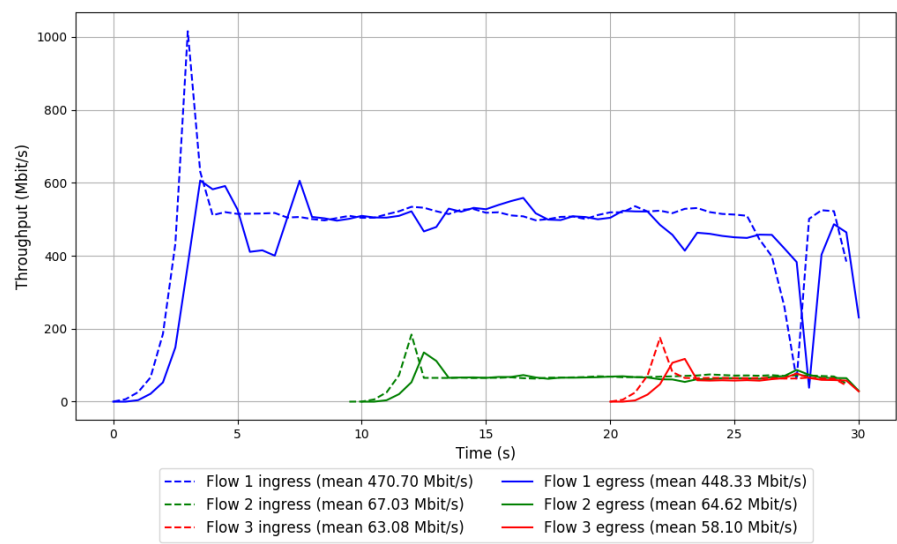
-- Flow 3:

Average throughput: 58.10 Mbit/s

95th percentile per-packet one-way delay: 238.403 ms

Loss rate: 9.99%

Run 4: Report of PCC-Allegro — Data Link

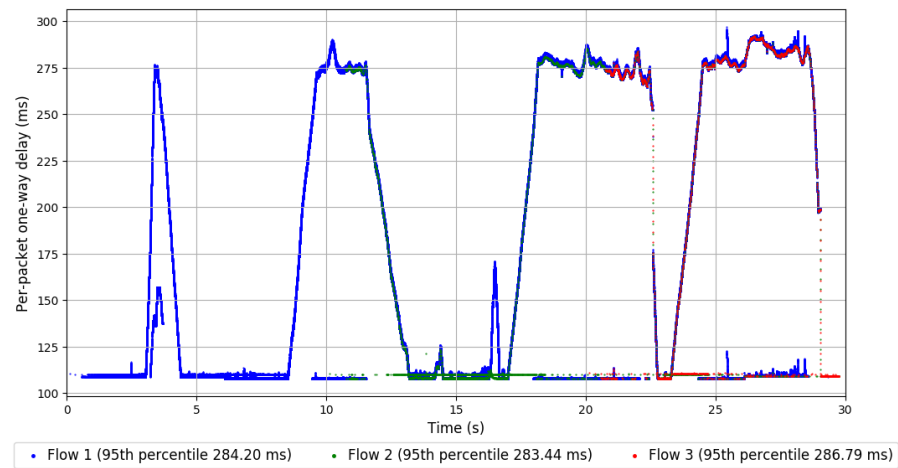
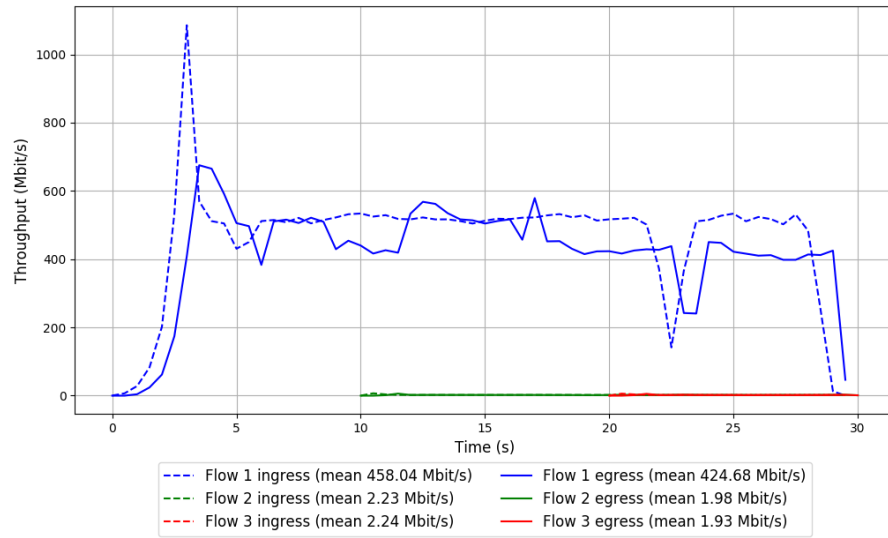


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 03:56:34
End at: 2018-07-25 03:57:04
Local clock offset: -1.253 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-07-25 08:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.31 Mbit/s
95th percentile per-packet one-way delay: 284.205 ms
Loss rate: 9.19%
-- Flow 1:
Average throughput: 424.68 Mbit/s
95th percentile per-packet one-way delay: 284.200 ms
Loss rate: 9.17%
-- Flow 2:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 283.444 ms
Loss rate: 12.11%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 286.794 ms
Loss rate: 15.65%

Run 5: Report of PCC-Allegro — Data Link

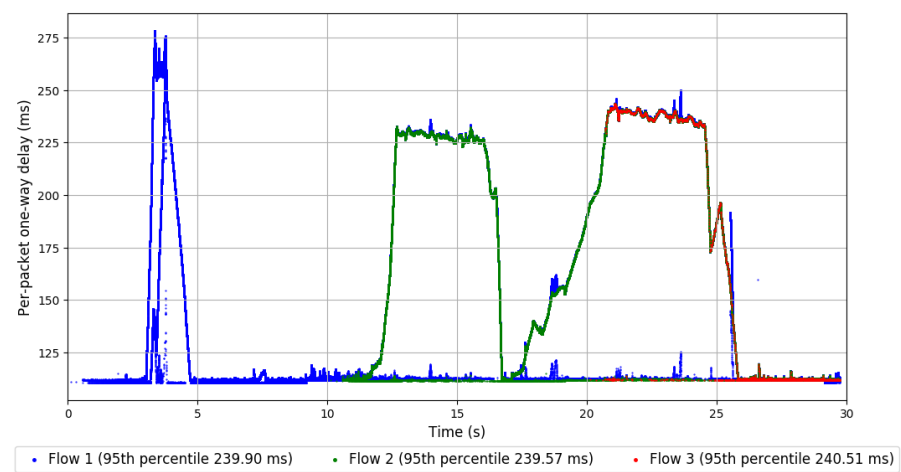
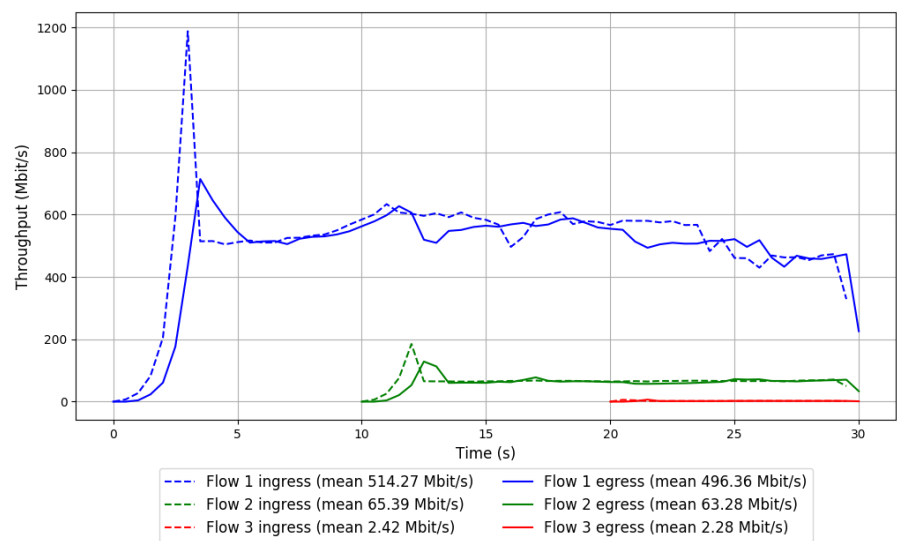


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 04:23:01
End at: 2018-07-25 04:23:31
Local clock offset: 1.426 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-25 08:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 539.00 Mbit/s
95th percentile per-packet one-way delay: 239.876 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 496.36 Mbit/s
95th percentile per-packet one-way delay: 239.898 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 63.28 Mbit/s
95th percentile per-packet one-way delay: 239.569 ms
Loss rate: 4.32%
-- Flow 3:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 240.515 ms
Loss rate: 7.62%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 04:49:30

End at: 2018-07-25 04:50:00

Local clock offset: -0.089 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-07-25 08:09:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 556.83 Mbit/s

95th percentile per-packet one-way delay: 223.301 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 481.02 Mbit/s

95th percentile per-packet one-way delay: 223.431 ms

Loss rate: 2.21%

-- Flow 2:

Average throughput: 110.60 Mbit/s

95th percentile per-packet one-way delay: 222.824 ms

Loss rate: 2.37%

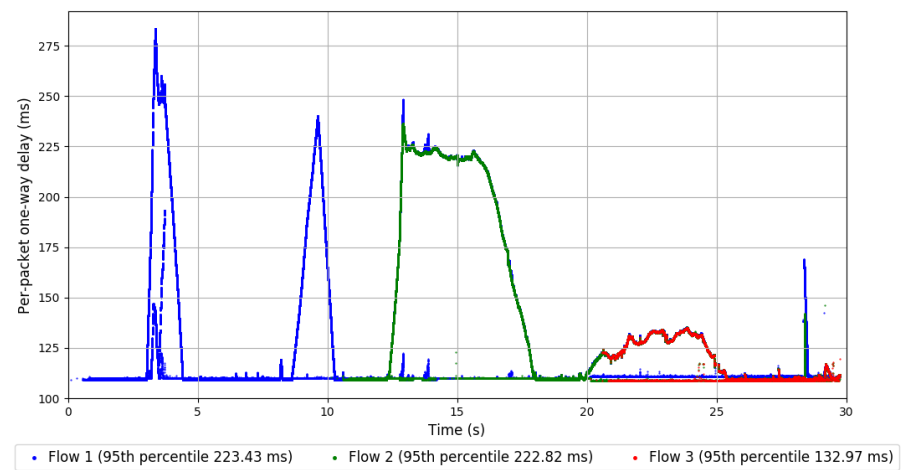
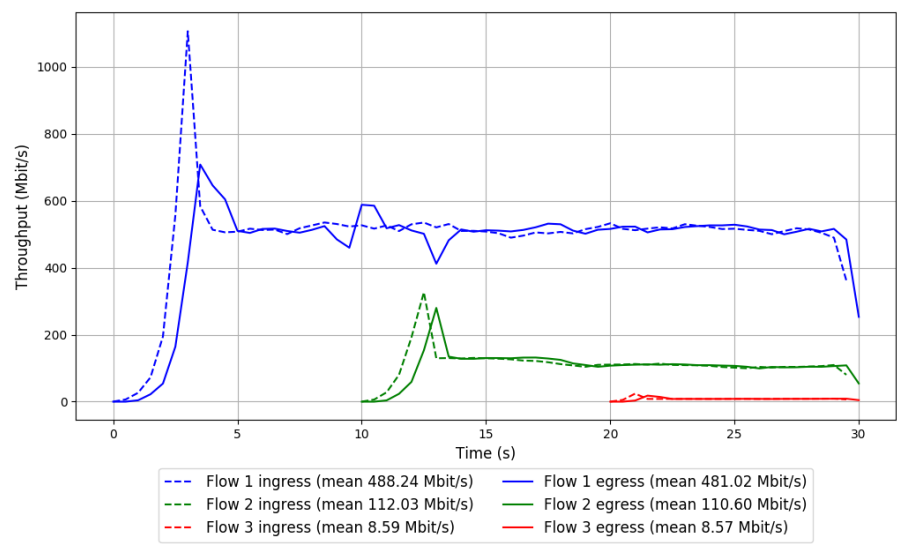
-- Flow 3:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 132.974 ms

Loss rate: 2.40%

Run 7: Report of PCC-Allegro — Data Link

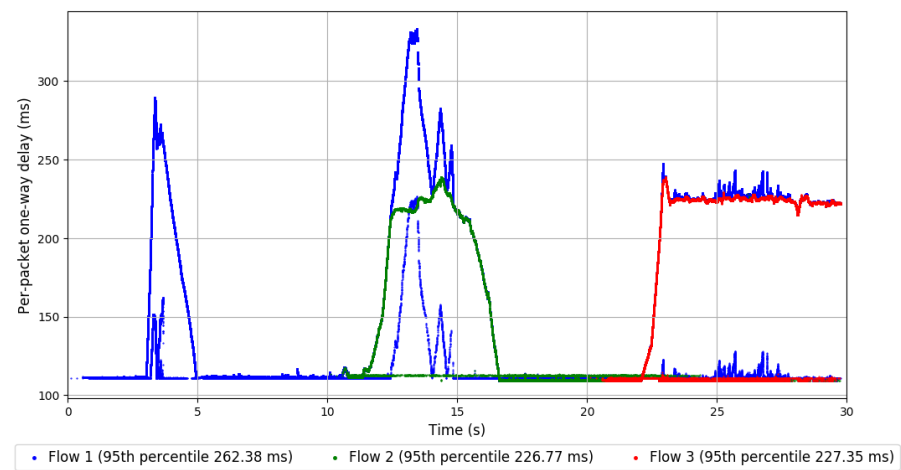
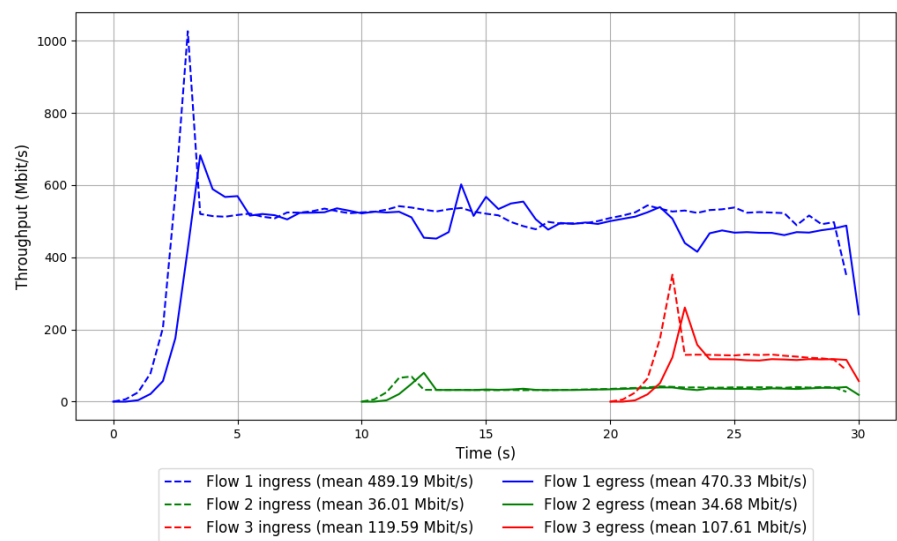


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 05:15:36
End at: 2018-07-25 05:16:06
Local clock offset: -0.045 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-25 08:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.23 Mbit/s
95th percentile per-packet one-way delay: 258.561 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 470.33 Mbit/s
95th percentile per-packet one-way delay: 262.381 ms
Loss rate: 4.57%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 226.768 ms
Loss rate: 4.80%
-- Flow 3:
Average throughput: 107.61 Mbit/s
95th percentile per-packet one-way delay: 227.350 ms
Loss rate: 12.05%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 05:42:06

End at: 2018-07-25 05:42:36

Local clock offset: 0.039 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-07-25 08:10:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 529.38 Mbit/s

95th percentile per-packet one-way delay: 232.635 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 497.81 Mbit/s

95th percentile per-packet one-way delay: 232.759 ms

Loss rate: 2.15%

-- Flow 2:

Average throughput: 16.55 Mbit/s

95th percentile per-packet one-way delay: 231.719 ms

Loss rate: 1.70%

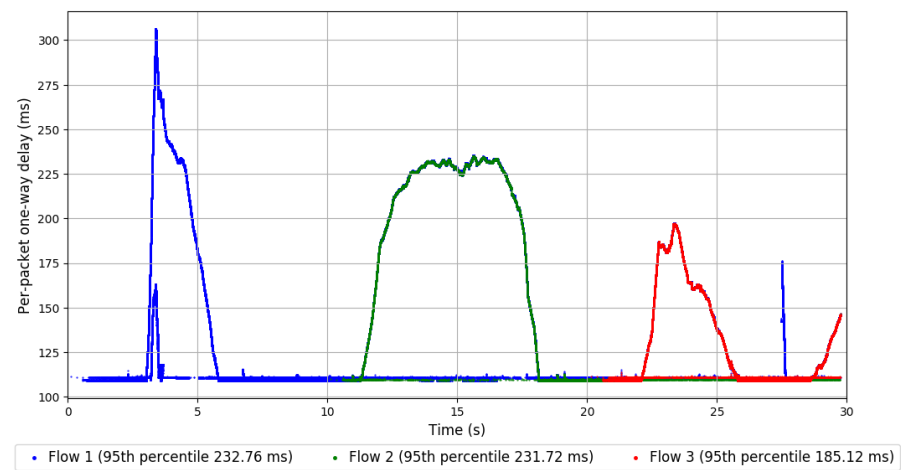
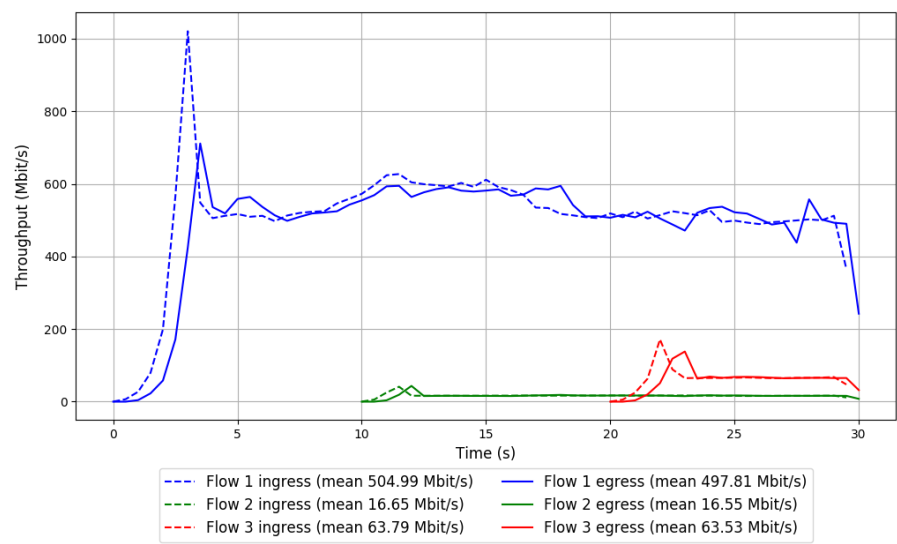
-- Flow 3:

Average throughput: 63.53 Mbit/s

95th percentile per-packet one-way delay: 185.124 ms

Loss rate: 2.70%

Run 9: Report of PCC-Allegro — Data Link

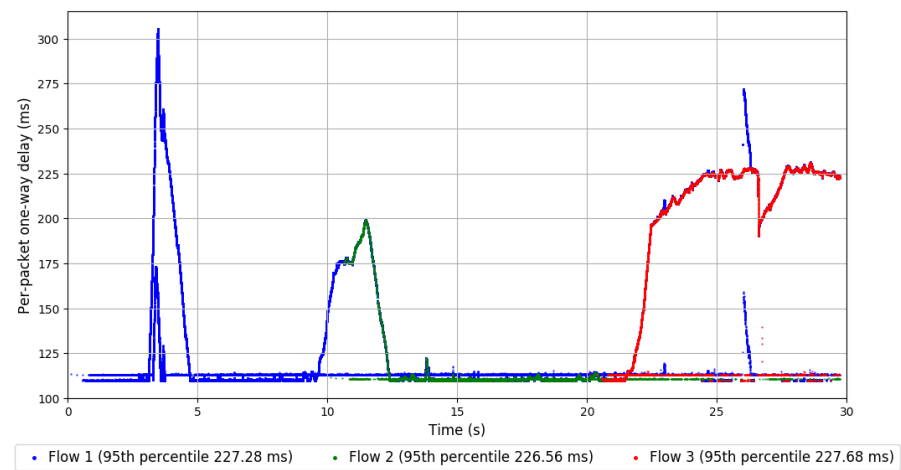
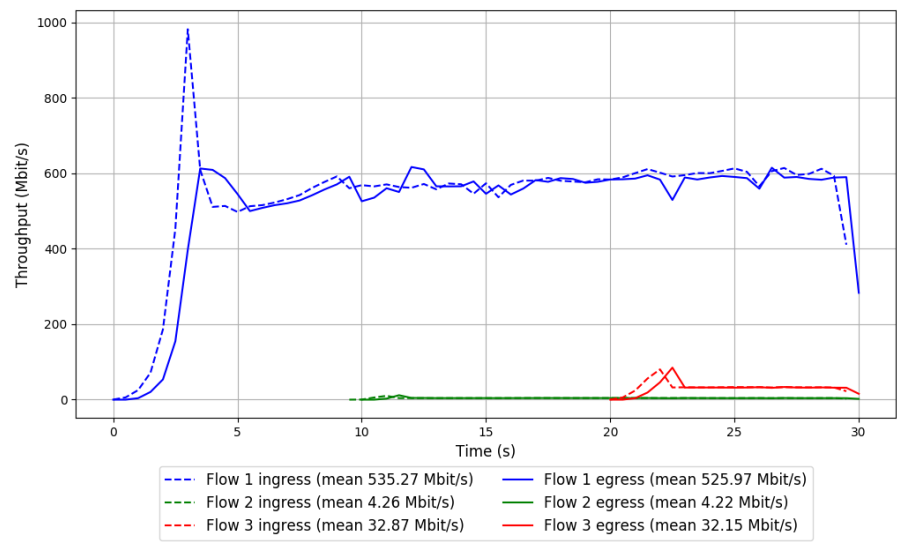


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 06:08:40
End at: 2018-07-25 06:09:10
Local clock offset: 0.123 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-07-25 08:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 539.18 Mbit/s
95th percentile per-packet one-way delay: 227.300 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 525.97 Mbit/s
95th percentile per-packet one-way delay: 227.281 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 226.557 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 227.676 ms
Loss rate: 4.44%

Run 10: Report of PCC-Allegro — Data Link

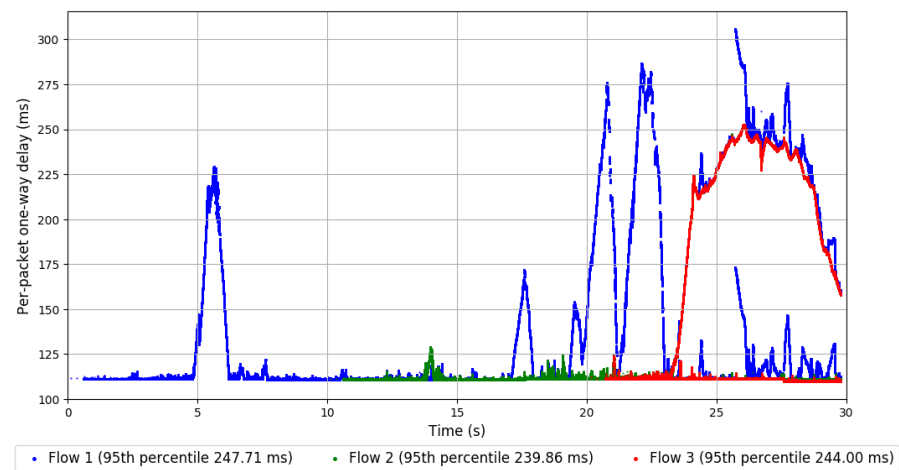
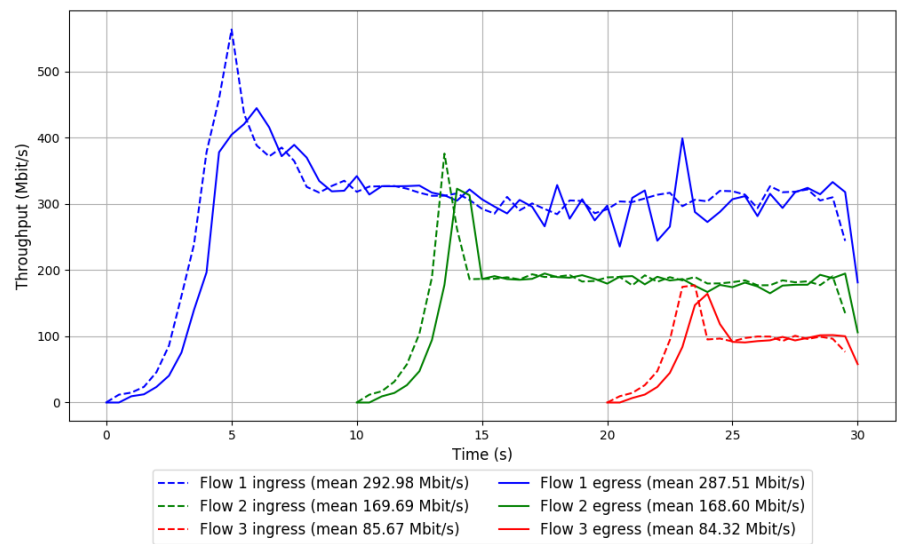


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 02:00:03
End at: 2018-07-25 02:00:33
Local clock offset: 0.293 ms
Remote clock offset: 0.343 ms

# Below is generated by plot.py at 2018-07-25 08:15:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 426.56 Mbit/s
95th percentile per-packet one-way delay: 244.153 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 287.51 Mbit/s
95th percentile per-packet one-way delay: 247.705 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 168.60 Mbit/s
95th percentile per-packet one-way delay: 239.859 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 244.002 ms
Loss rate: 3.84%
```


Run 1: Report of PCC-Expr — Data Link

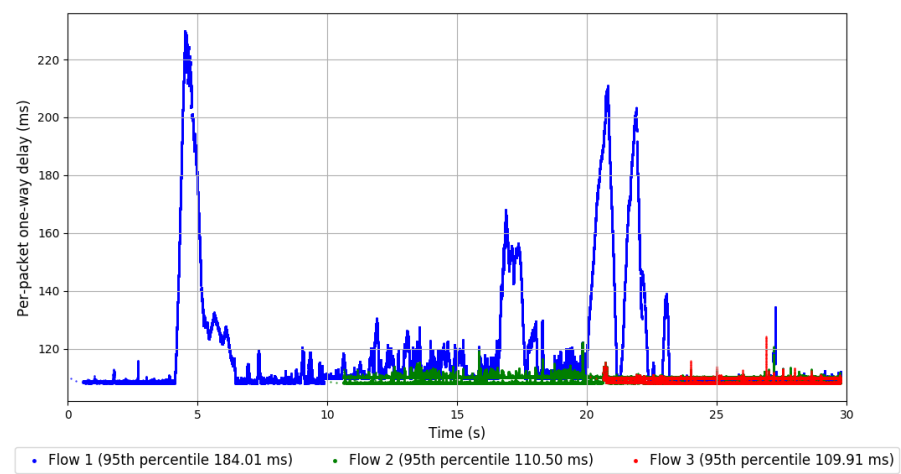
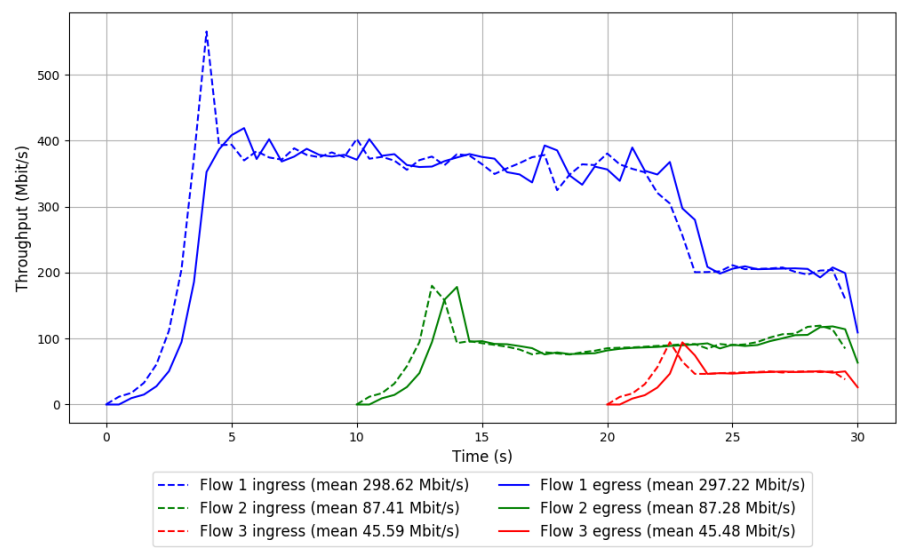


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 02:26:21
End at: 2018-07-25 02:26:51
Local clock offset: -1.286 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2018-07-25 08:16:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.81 Mbit/s
95th percentile per-packet one-way delay: 175.420 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 297.22 Mbit/s
95th percentile per-packet one-way delay: 184.011 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 110.501 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 109.905 ms
Loss rate: 2.56%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 02:52:54

End at: 2018-07-25 02:53:24

Local clock offset: 0.137 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2018-07-25 08:19:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 424.73 Mbit/s

95th percentile per-packet one-way delay: 218.386 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 269.24 Mbit/s

95th percentile per-packet one-way delay: 226.877 ms

Loss rate: 3.62%

-- Flow 2:

Average throughput: 193.09 Mbit/s

95th percentile per-packet one-way delay: 197.909 ms

Loss rate: 2.27%

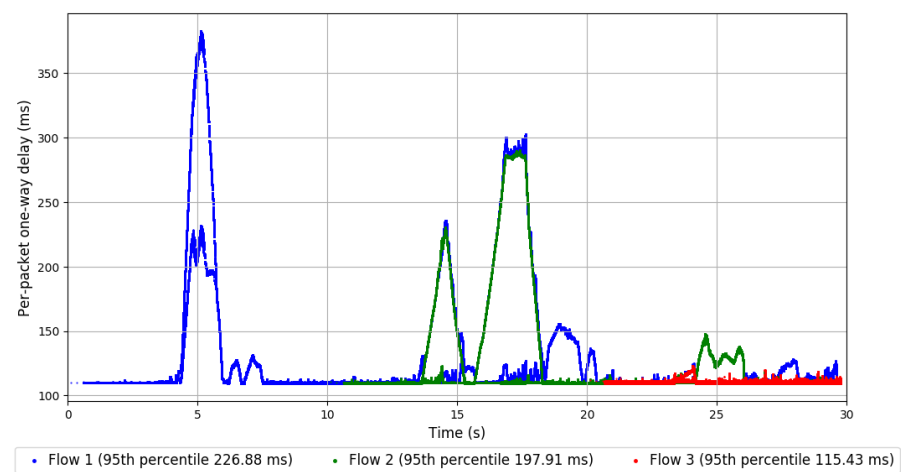
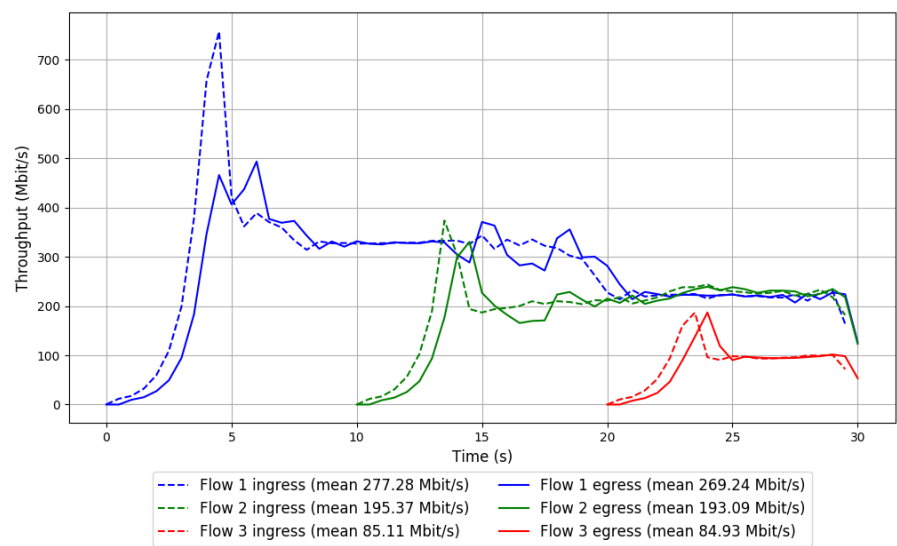
-- Flow 3:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 115.427 ms

Loss rate: 2.47%

Run 3: Report of PCC-Expr — Data Link

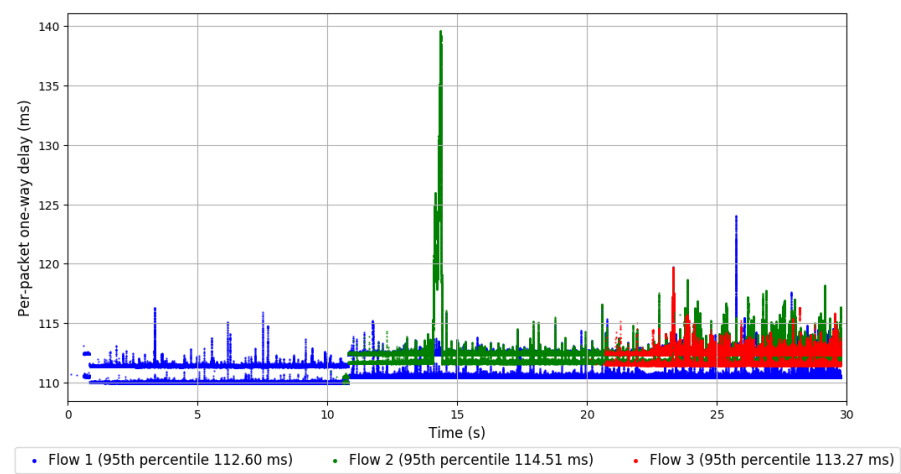
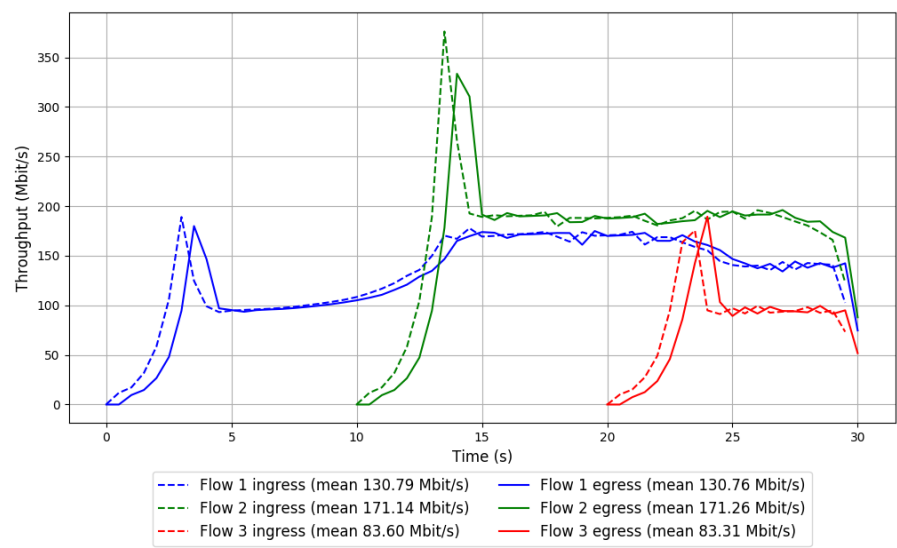


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 03:20:10
End at: 2018-07-25 03:20:40
Local clock offset: 0.183 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-25 08:19:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.35 Mbit/s
95th percentile per-packet one-way delay: 113.200 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 130.76 Mbit/s
95th percentile per-packet one-way delay: 112.602 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 171.26 Mbit/s
95th percentile per-packet one-way delay: 114.513 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 113.272 ms
Loss rate: 2.60%

Run 4: Report of PCC-Expr — Data Link

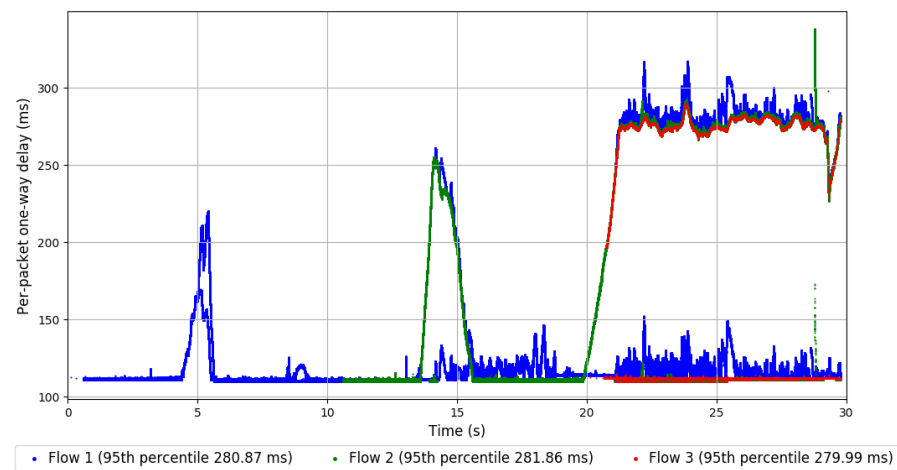
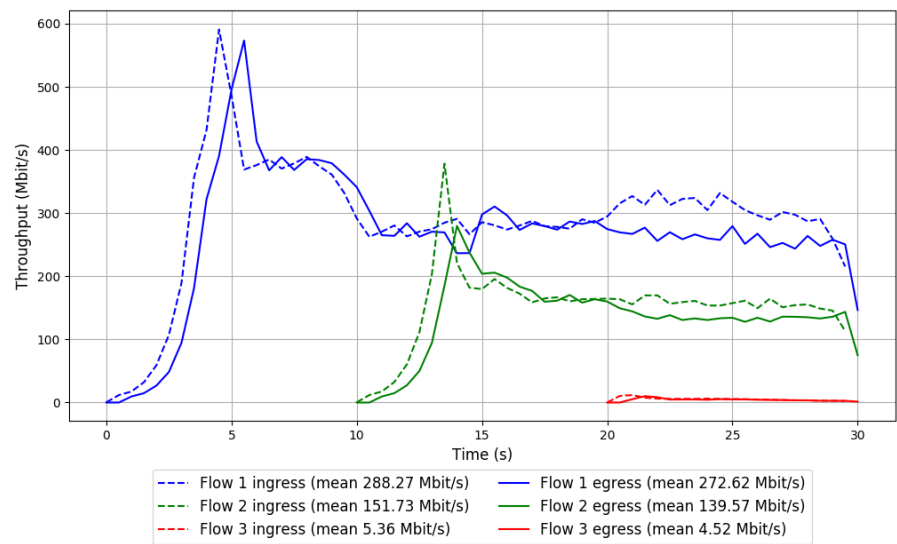


Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 03:46:35
End at: 2018-07-25 03:47:05
Local clock offset: 1.258 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-25 08:22:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.57 Mbit/s
95th percentile per-packet one-way delay: 281.396 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 272.62 Mbit/s
95th percentile per-packet one-way delay: 280.874 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 139.57 Mbit/s
95th percentile per-packet one-way delay: 281.857 ms
Loss rate: 9.04%
-- Flow 3:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 279.993 ms
Loss rate: 17.52%

Run 5: Report of PCC-Expr — Data Link

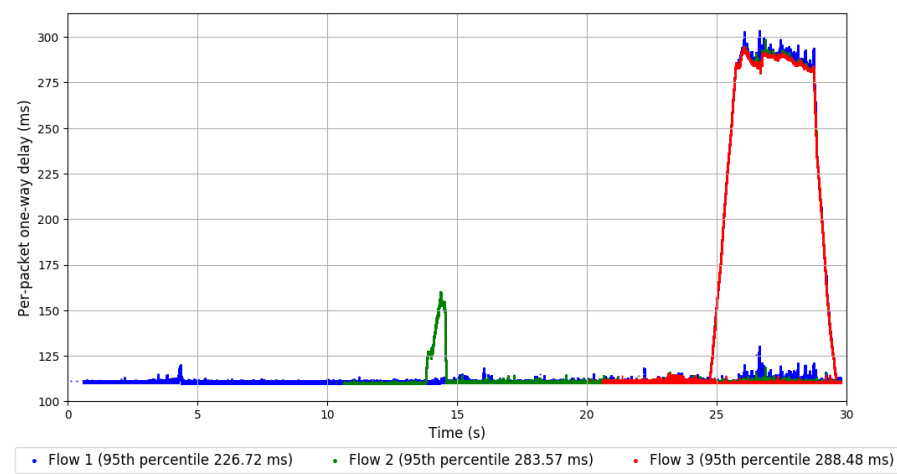
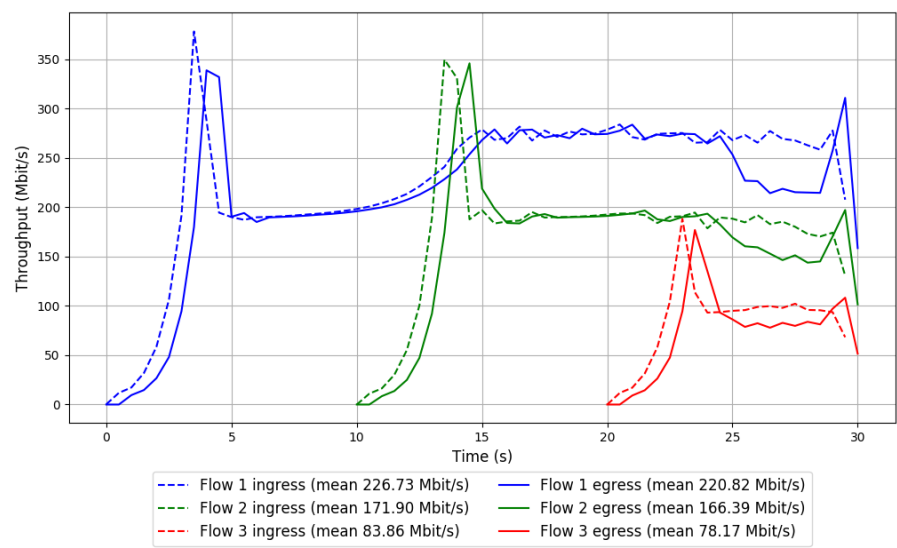


Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 04:12:46
End at: 2018-07-25 04:13:16
Local clock offset: 0.066 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-25 08:22:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.49 Mbit/s
95th percentile per-packet one-way delay: 282.900 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 220.82 Mbit/s
95th percentile per-packet one-way delay: 226.722 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 166.39 Mbit/s
95th percentile per-packet one-way delay: 283.573 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 288.482 ms
Loss rate: 8.90%

Run 6: Report of PCC-Expr — Data Link

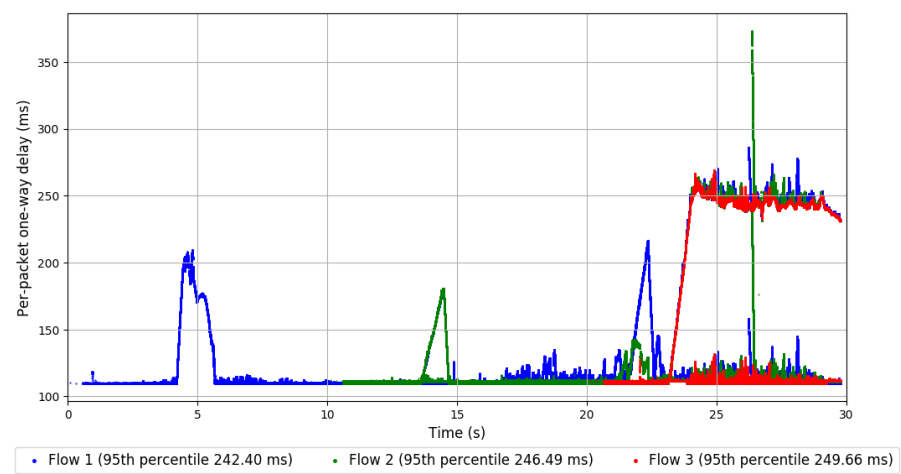
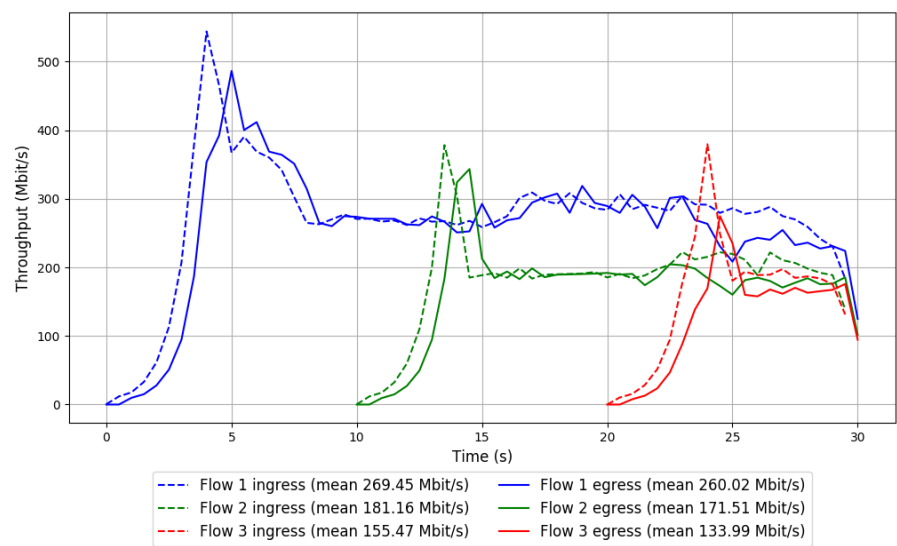


Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 04:39:14
End at: 2018-07-25 04:39:44
Local clock offset: 0.329 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-25 08:25:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.16 Mbit/s
95th percentile per-packet one-way delay: 245.531 ms
Loss rate: 6.15%
-- Flow 1:
Average throughput: 260.02 Mbit/s
95th percentile per-packet one-way delay: 242.397 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 171.51 Mbit/s
95th percentile per-packet one-way delay: 246.492 ms
Loss rate: 6.39%
-- Flow 3:
Average throughput: 133.99 Mbit/s
95th percentile per-packet one-way delay: 249.657 ms
Loss rate: 15.76%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 05:05:32

End at: 2018-07-25 05:06:02

Local clock offset: -1.22 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-25 08:25:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.16 Mbit/s

95th percentile per-packet one-way delay: 237.738 ms

Loss rate: 2.30%

-- Flow 1:

Average throughput: 154.75 Mbit/s

95th percentile per-packet one-way delay: 112.918 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 262.91 Mbit/s

95th percentile per-packet one-way delay: 243.191 ms

Loss rate: 3.57%

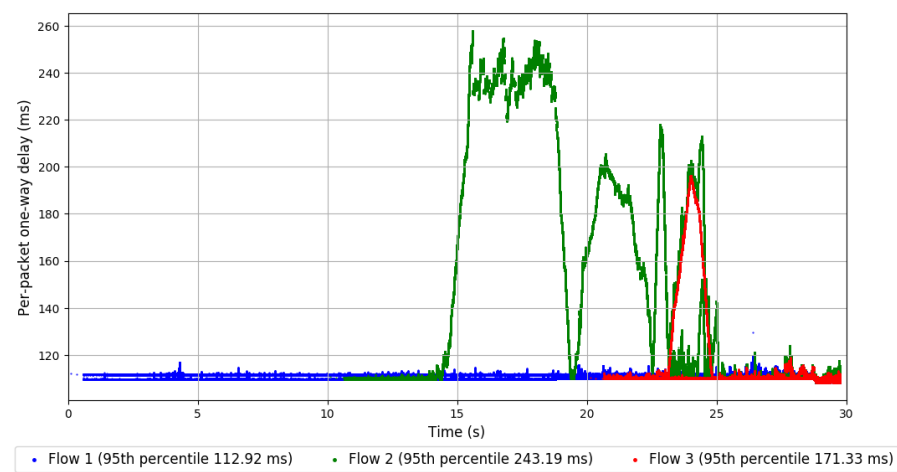
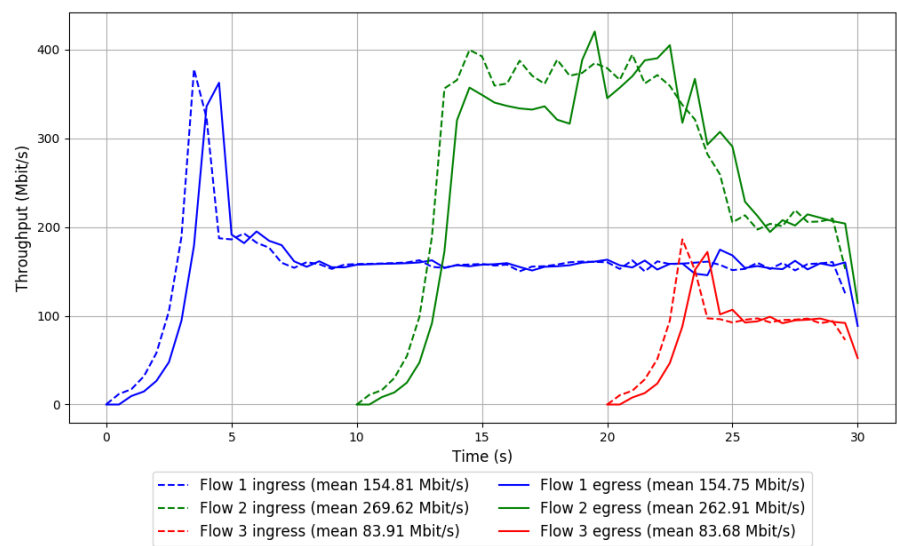
-- Flow 3:

Average throughput: 83.68 Mbit/s

95th percentile per-packet one-way delay: 171.333 ms

Loss rate: 2.55%

Run 8: Report of PCC-Expr — Data Link

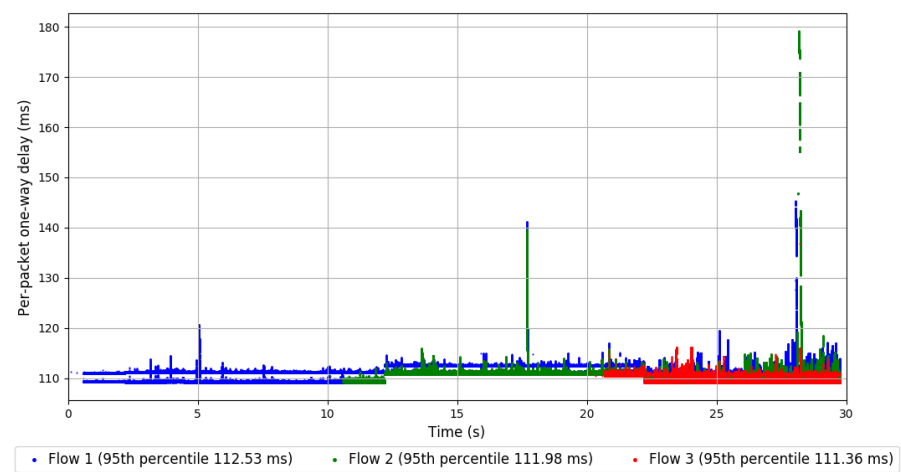
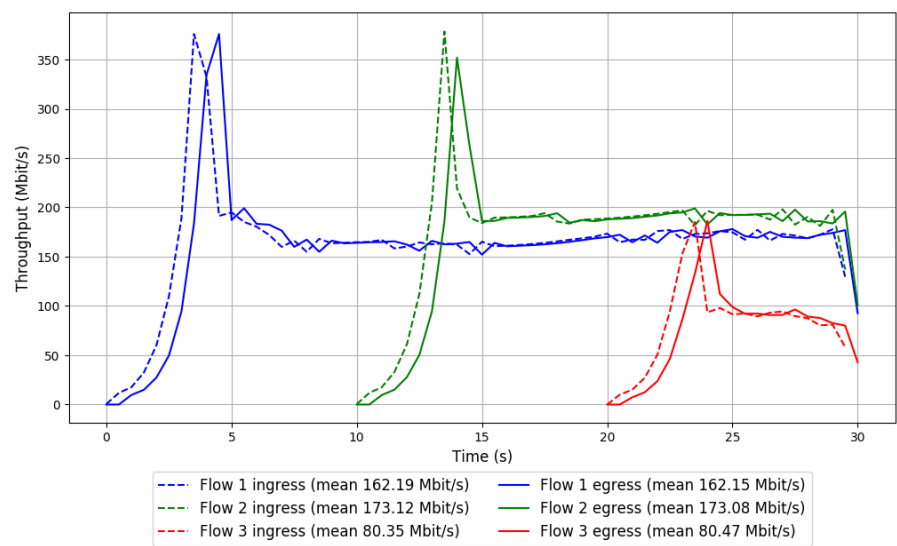


Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 05:31:48
End at: 2018-07-25 05:32:18
Local clock offset: -0.287 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-25 08:26:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.99 Mbit/s
95th percentile per-packet one-way delay: 112.506 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 162.15 Mbit/s
95th percentile per-packet one-way delay: 112.529 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 173.08 Mbit/s
95th percentile per-packet one-way delay: 111.984 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 80.47 Mbit/s
95th percentile per-packet one-way delay: 111.363 ms
Loss rate: 2.11%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 05:58:10

End at: 2018-07-25 05:58:40

Local clock offset: 0.113 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 448.95 Mbit/s

95th percentile per-packet one-way delay: 226.499 ms

Loss rate: 2.37%

-- Flow 1:

Average throughput: 322.42 Mbit/s

95th percentile per-packet one-way delay: 230.146 ms

Loss rate: 2.24%

-- Flow 2:

Average throughput: 177.90 Mbit/s

95th percentile per-packet one-way delay: 197.893 ms

Loss rate: 2.64%

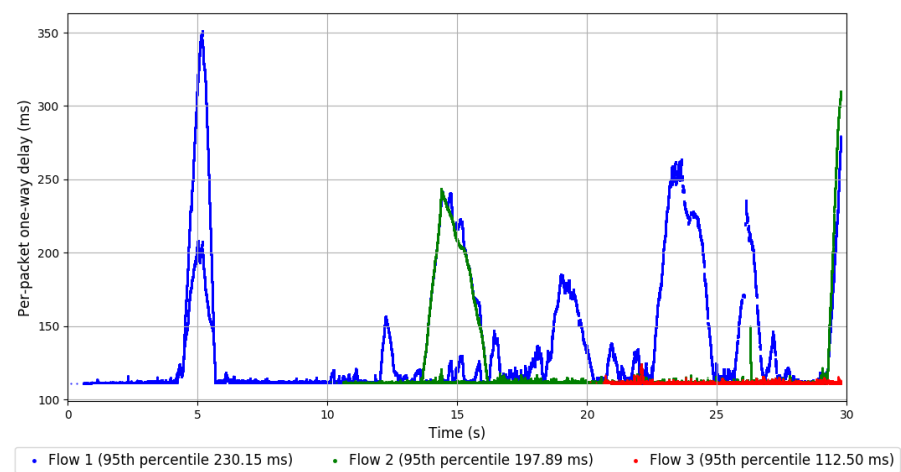
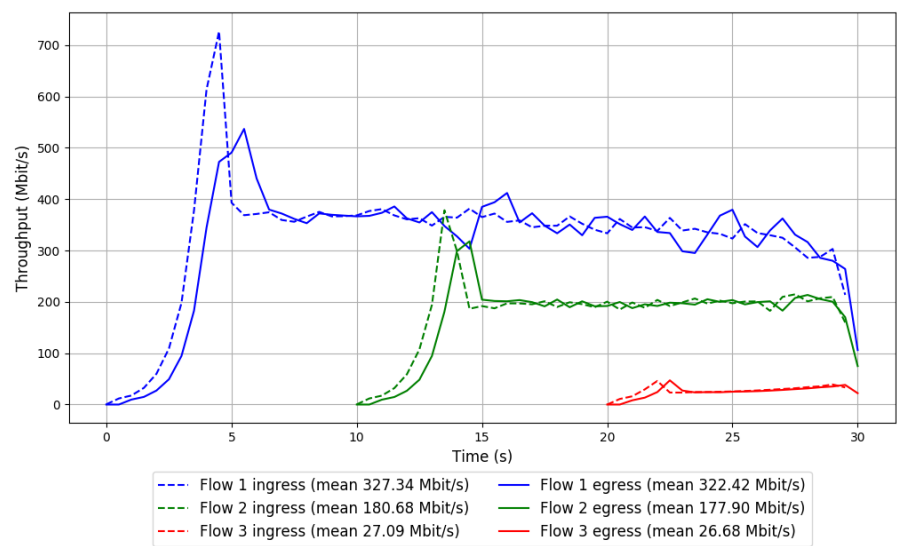
-- Flow 3:

Average throughput: 26.68 Mbit/s

95th percentile per-packet one-way delay: 112.502 ms

Loss rate: 3.75%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-25 02:06:10

End at: 2018-07-25 02:06:40

Local clock offset: 0.06 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.93 Mbit/s

95th percentile per-packet one-way delay: 111.012 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 62.15 Mbit/s

95th percentile per-packet one-way delay: 110.973 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 56.01 Mbit/s

95th percentile per-packet one-way delay: 111.080 ms

Loss rate: 1.48%

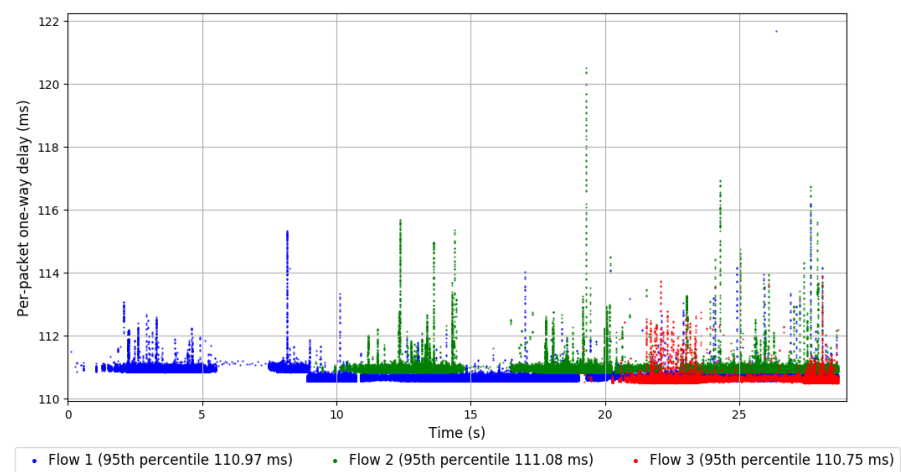
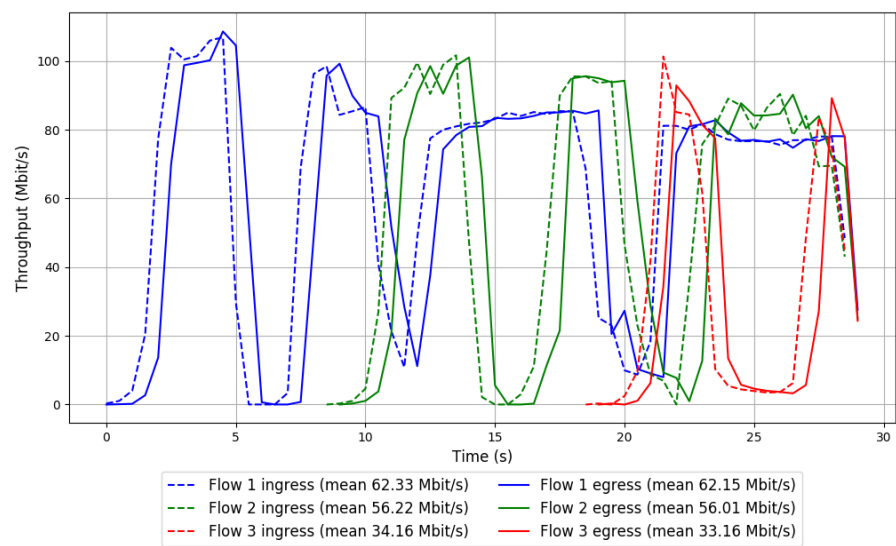
-- Flow 3:

Average throughput: 33.16 Mbit/s

95th percentile per-packet one-way delay: 110.746 ms

Loss rate: 5.11%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 02:32:35

End at: 2018-07-25 02:33:05

Local clock offset: -1.143 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 110.270 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 53.31 Mbit/s

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

Loss rate: 0.85%

-- Flow 2:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 110.481 ms

Loss rate: 1.67%

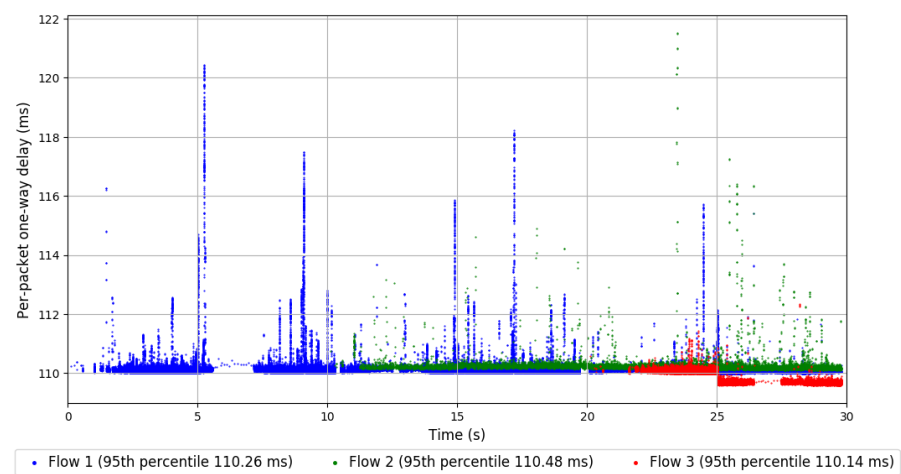
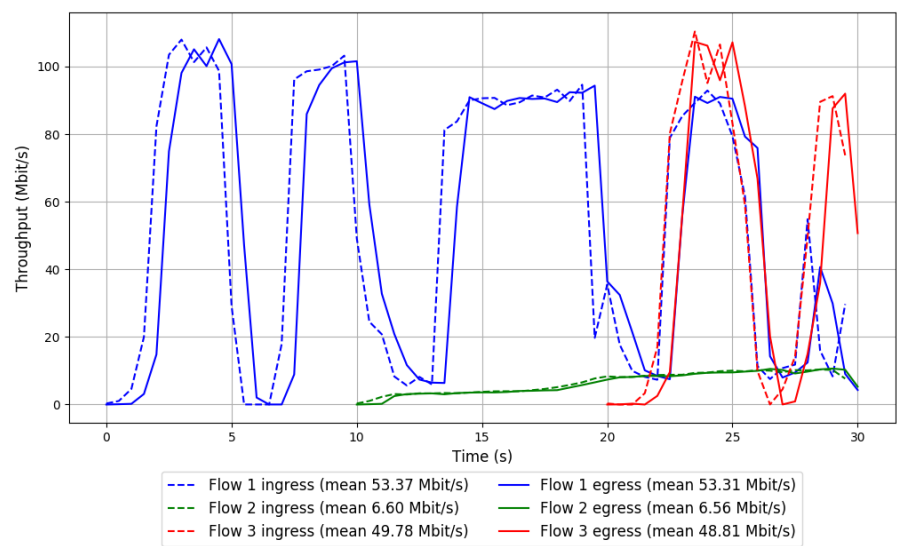
-- Flow 3:

Average throughput: 48.81 Mbit/s

95th percentile per-packet one-way delay: 110.138 ms

Loss rate: 4.14%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 02:59:29

End at: 2018-07-25 02:59:59

Local clock offset: -0.083 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.18 Mbit/s

95th percentile per-packet one-way delay: 111.319 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 66.15 Mbit/s

95th percentile per-packet one-way delay: 110.759 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 53.28 Mbit/s

95th percentile per-packet one-way delay: 111.494 ms

Loss rate: 1.39%

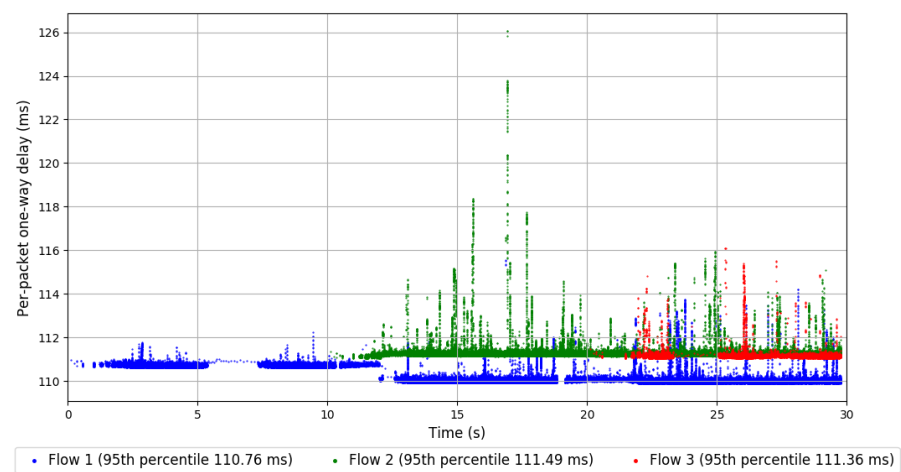
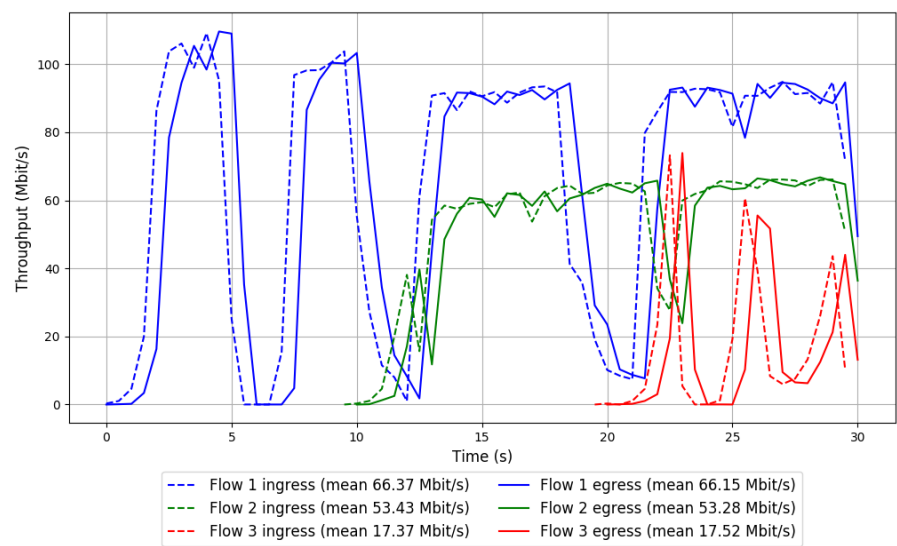
-- Flow 3:

Average throughput: 17.52 Mbit/s

95th percentile per-packet one-way delay: 111.355 ms

Loss rate: 1.41%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 03:26:06

End at: 2018-07-25 03:26:36

Local clock offset: -0.074 ms

Remote clock offset: 0.322 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.60 Mbit/s

95th percentile per-packet one-way delay: 110.814 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 62.20 Mbit/s

95th percentile per-packet one-way delay: 110.760 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 57.72 Mbit/s

95th percentile per-packet one-way delay: 110.980 ms

Loss rate: 1.53%

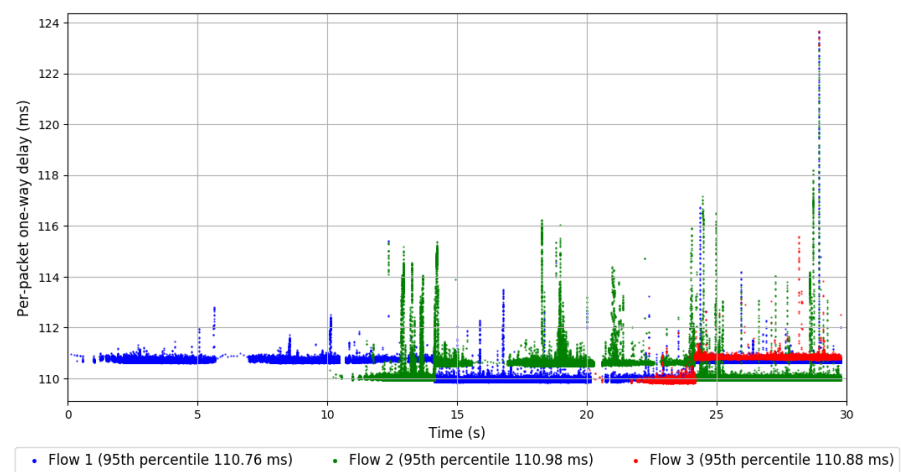
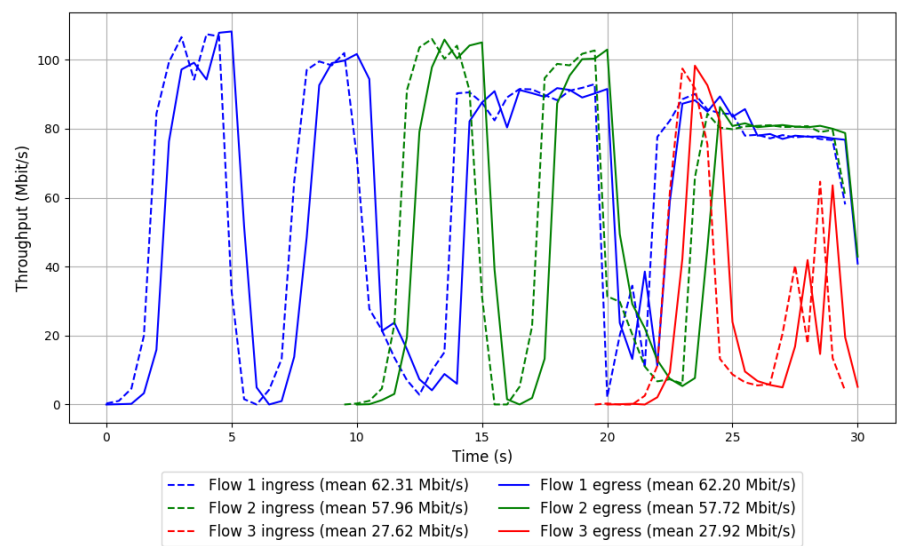
-- Flow 3:

Average throughput: 27.92 Mbit/s

95th percentile per-packet one-way delay: 110.883 ms

Loss rate: 0.23%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 03:52:14

End at: 2018-07-25 03:52:44

Local clock offset: 0.082 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 110.993 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 53.88 Mbit/s

95th percentile per-packet one-way delay: 110.952 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 46.98 Mbit/s

95th percentile per-packet one-way delay: 111.036 ms

Loss rate: 1.89%

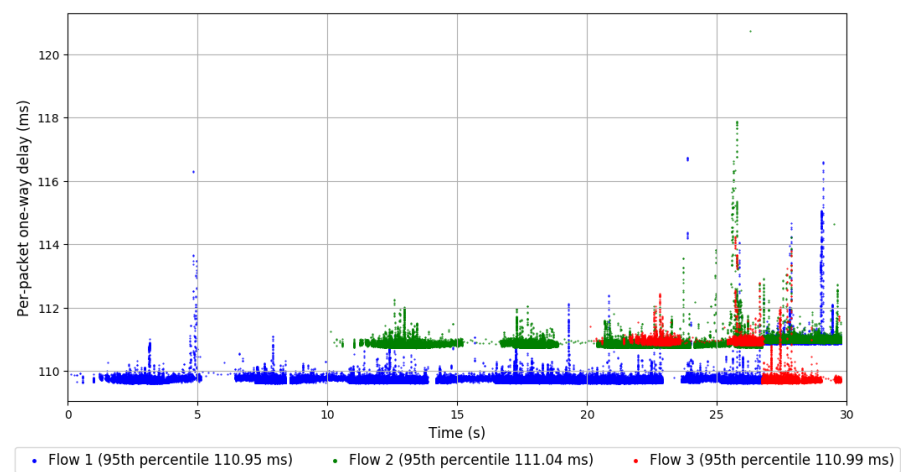
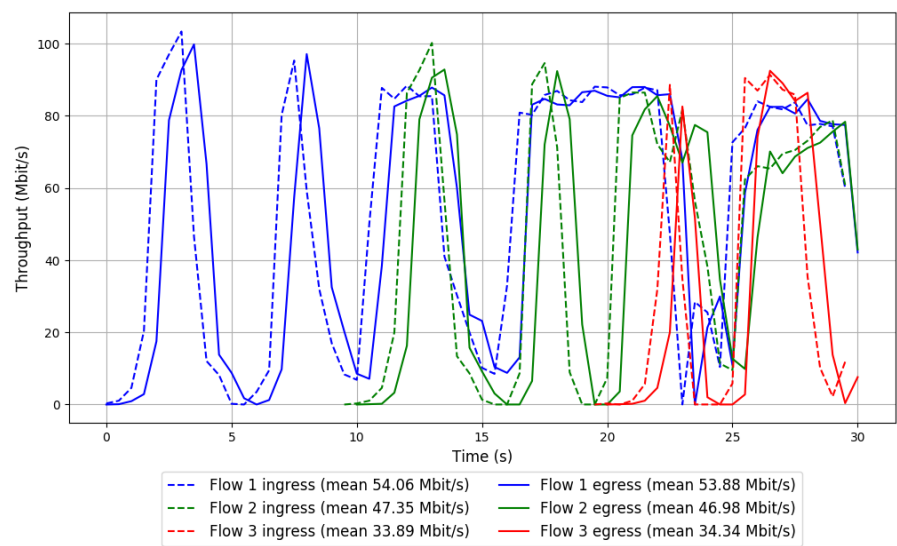
-- Flow 3:

Average throughput: 34.34 Mbit/s

95th percentile per-packet one-way delay: 110.993 ms

Loss rate: 0.97%

Run 5: Report of QUIC Cubic — Data Link

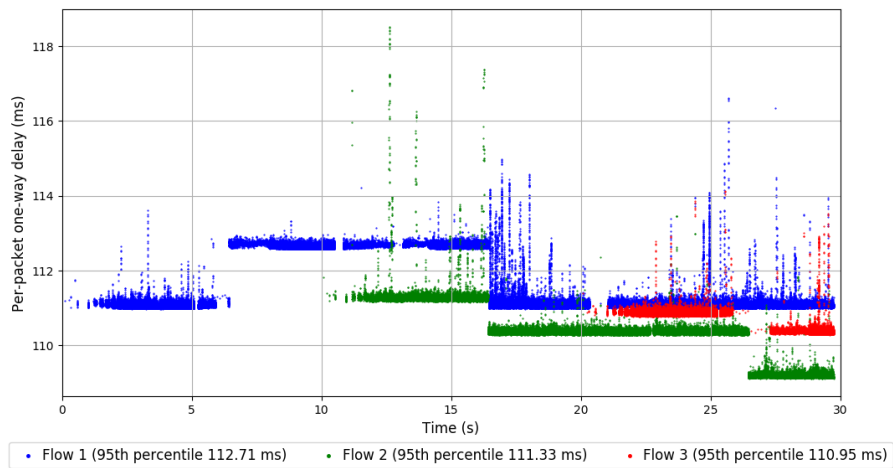
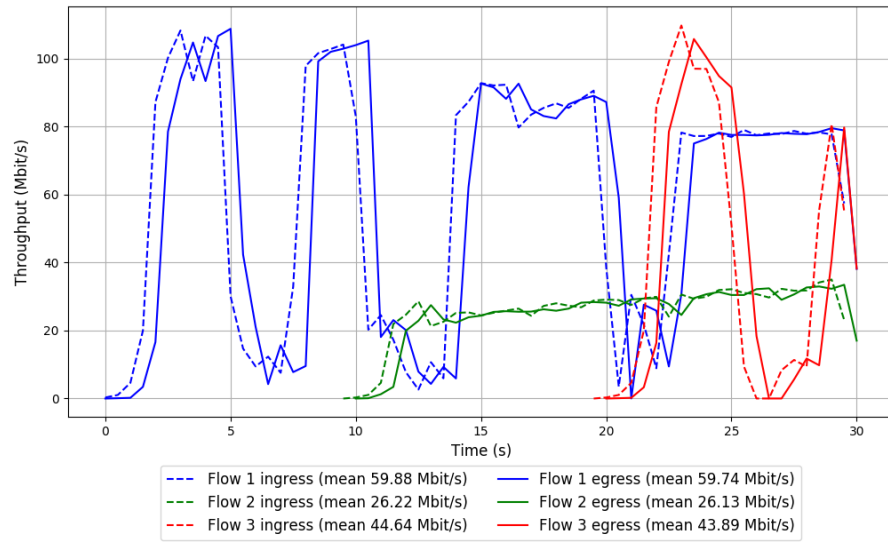


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 04:18:44
End at: 2018-07-25 04:19:14
Local clock offset: -0.06 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-25 08:32:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 112.687 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 112.706 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 111.325 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 110.949 ms
Loss rate: 3.89%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 04:45:12

End at: 2018-07-25 04:45:42

Local clock offset: 0.13 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.14 Mbit/s

95th percentile per-packet one-way delay: 111.122 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 56.41 Mbit/s

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

Loss rate: 0.97%

-- Flow 2:

Average throughput: 53.62 Mbit/s

95th percentile per-packet one-way delay: 111.120 ms

Loss rate: 1.33%

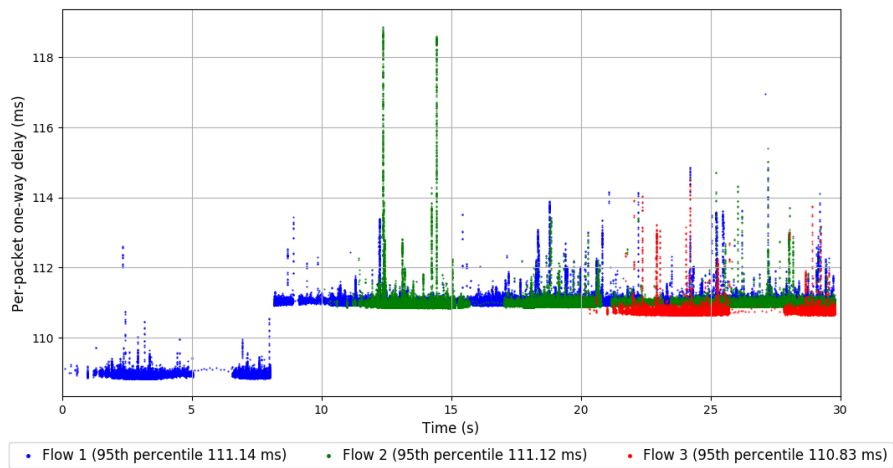
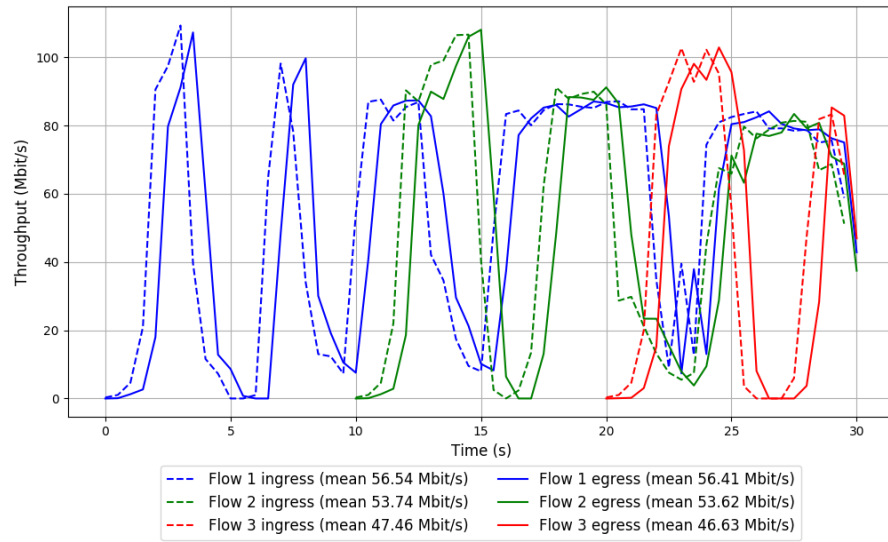
-- Flow 3:

Average throughput: 46.63 Mbit/s

95th percentile per-packet one-way delay: 110.835 ms

Loss rate: 3.94%

Run 7: Report of QUIC Cubic — Data Link

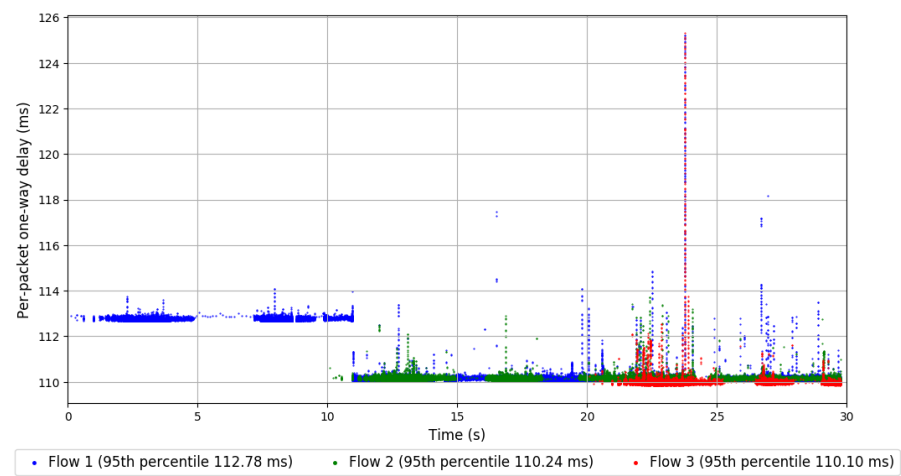
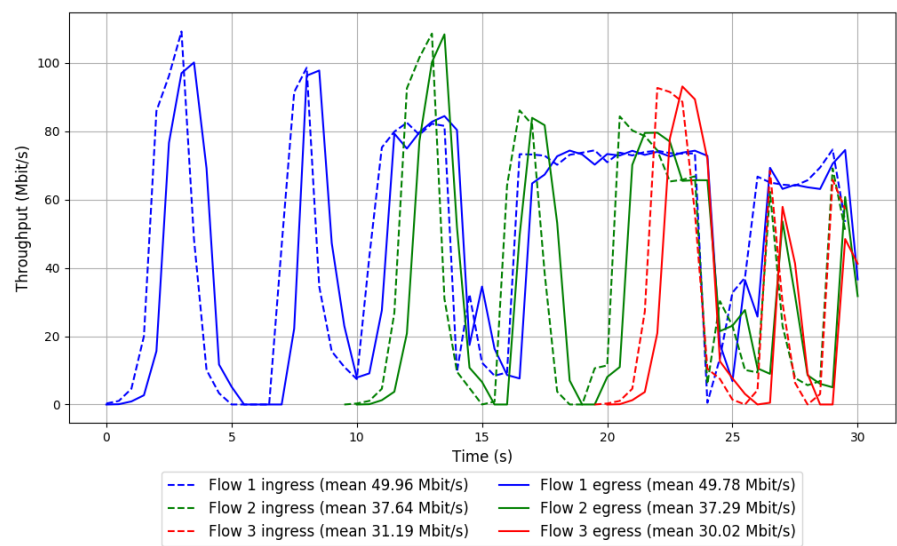


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 05:11:20
End at: 2018-07-25 05:11:50
Local clock offset: -0.046 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-25 08:32:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 112.757 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 49.78 Mbit/s
95th percentile per-packet one-way delay: 112.781 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 110.236 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 110.101 ms
Loss rate: 5.90%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 05:37:46

End at: 2018-07-25 05:38:16

Local clock offset: 0.069 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.29 Mbit/s

95th percentile per-packet one-way delay: 111.121 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 56.68 Mbit/s

95th percentile per-packet one-way delay: 111.152 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 54.94 Mbit/s

95th percentile per-packet one-way delay: 109.764 ms

Loss rate: 1.56%

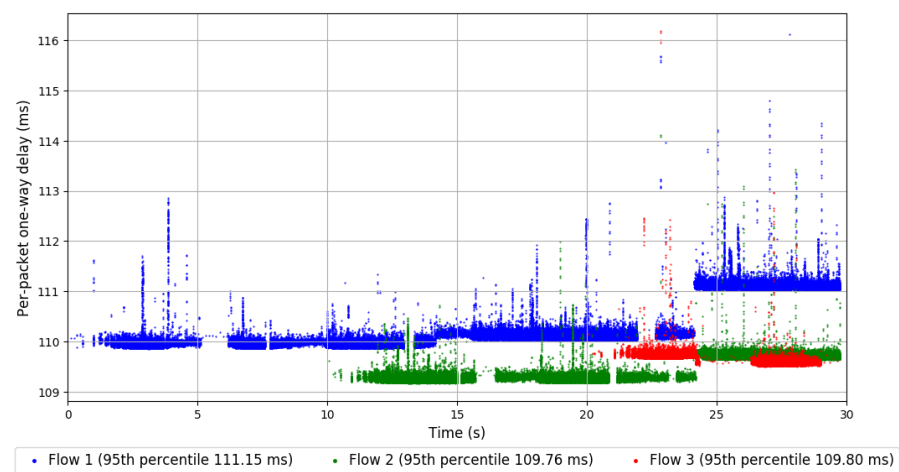
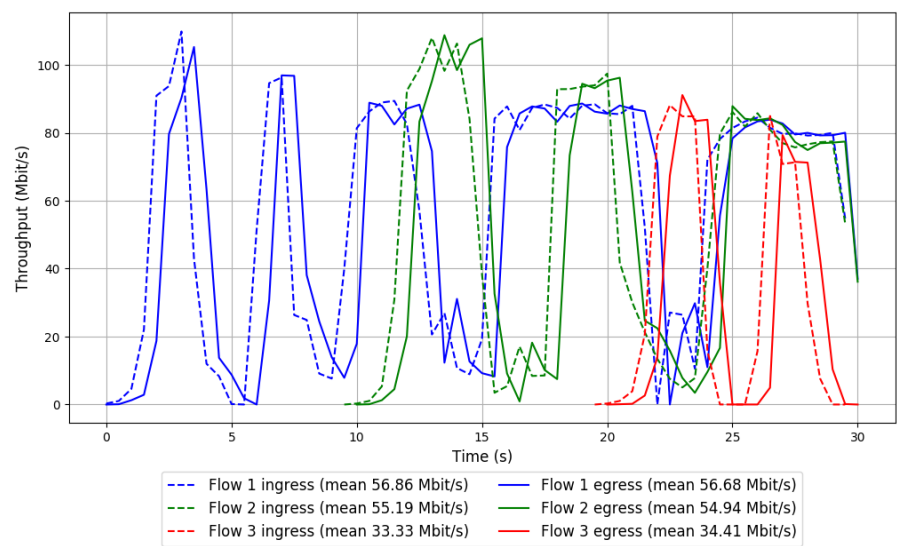
-- Flow 3:

Average throughput: 34.41 Mbit/s

95th percentile per-packet one-way delay: 109.796 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 06:04:22

End at: 2018-07-25 06:04:52

Local clock offset: 1.232 ms

Remote clock offset: 0.424 ms

Below is generated by plot.py at 2018-07-25 08:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.54 Mbit/s

95th percentile per-packet one-way delay: 112.331 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 112.345 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 60.00 Mbit/s

95th percentile per-packet one-way delay: 112.289 ms

Loss rate: 0.04%

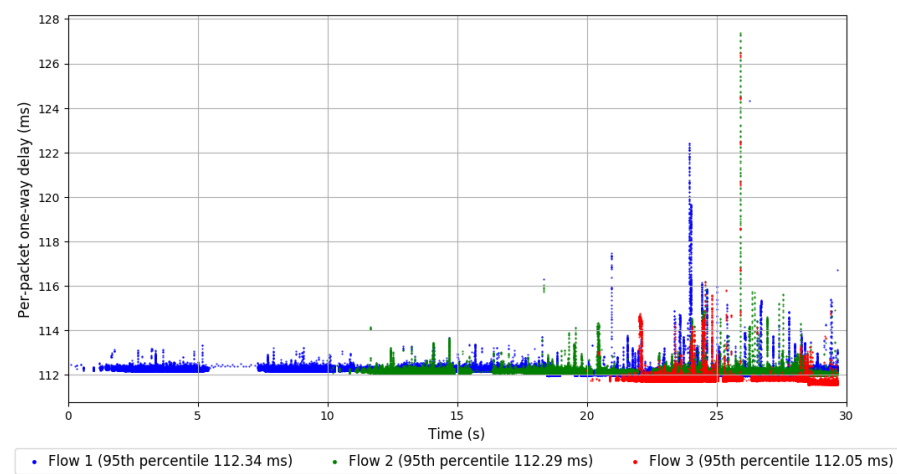
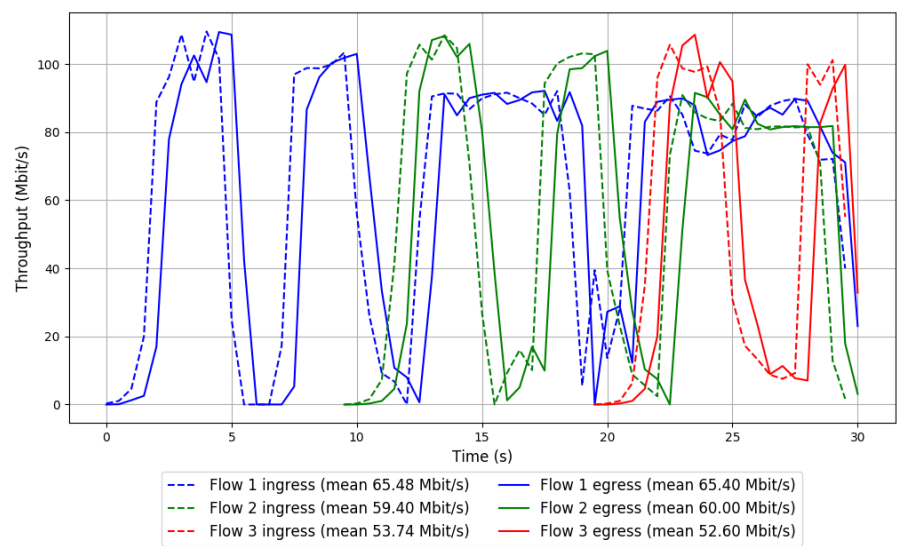
-- Flow 3:

Average throughput: 52.60 Mbit/s

95th percentile per-packet one-way delay: 112.053 ms

Loss rate: 4.32%

Run 10: Report of QUIC Cubic — Data Link

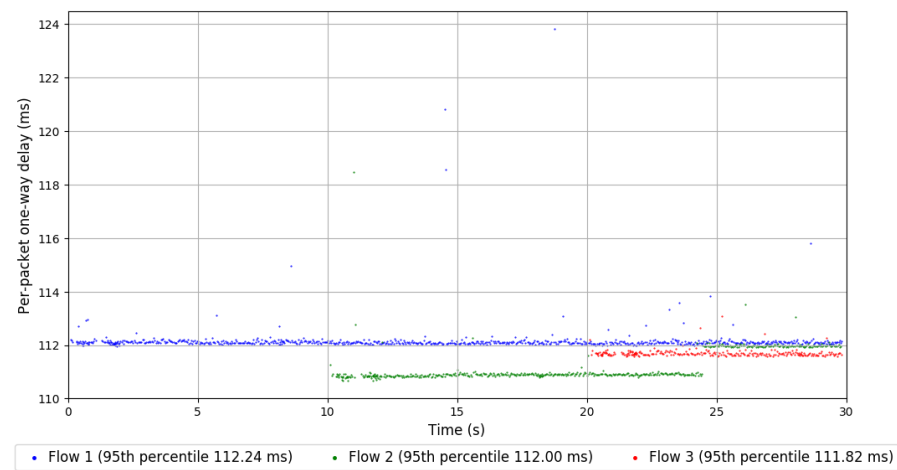
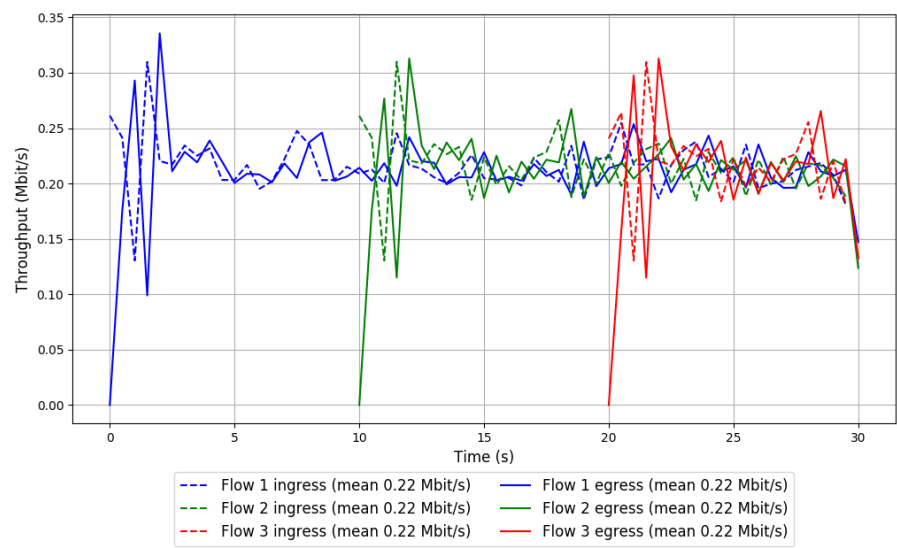


```
Run 1: Statistics of SCReAM

Start at: 2018-07-25 01:54:26
End at: 2018-07-25 01:54:56
Local clock offset: 0.188 ms
Remote clock offset: -0.329 ms

# Below is generated by plot.py at 2018-07-25 08:32:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.196 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.239 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.000 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.821 ms
Loss rate: 2.21%
```


Run 1: Report of SReAM — Data Link

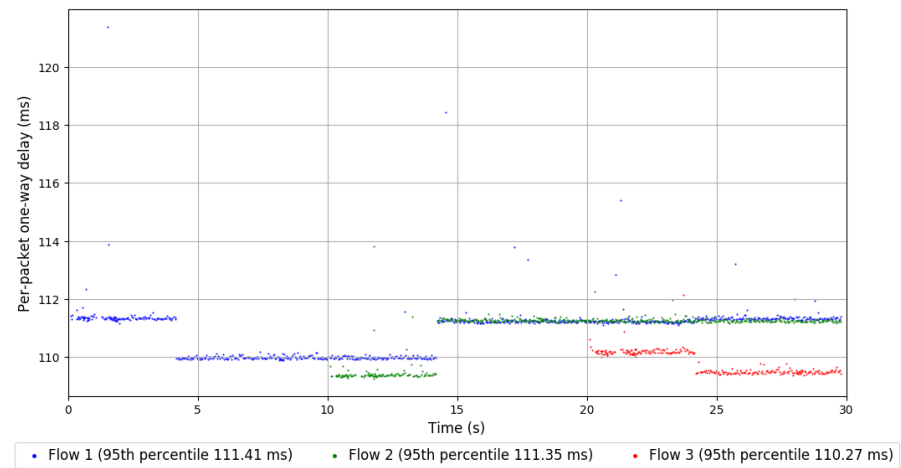
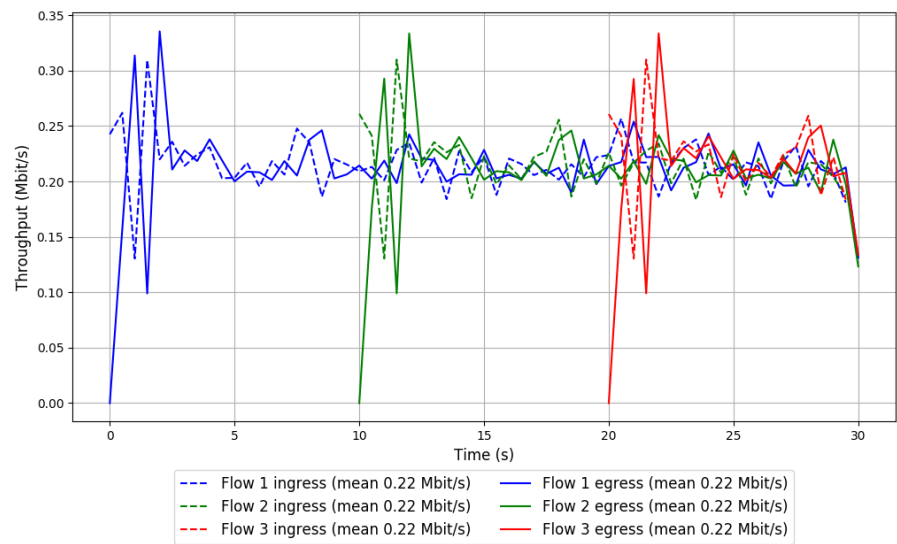


Run 2: Statistics of SReAM

Start at: 2018-07-25 02:20:46
End at: 2018-07-25 02:21:16
Local clock offset: -0.166 ms
Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-25 08:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.381 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.407 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.348 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.267 ms
Loss rate: 2.22%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-25 02:47:18

End at: 2018-07-25 02:47:48

Local clock offset: 0.253 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.932 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.898 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.742 ms

Loss rate: 1.24%

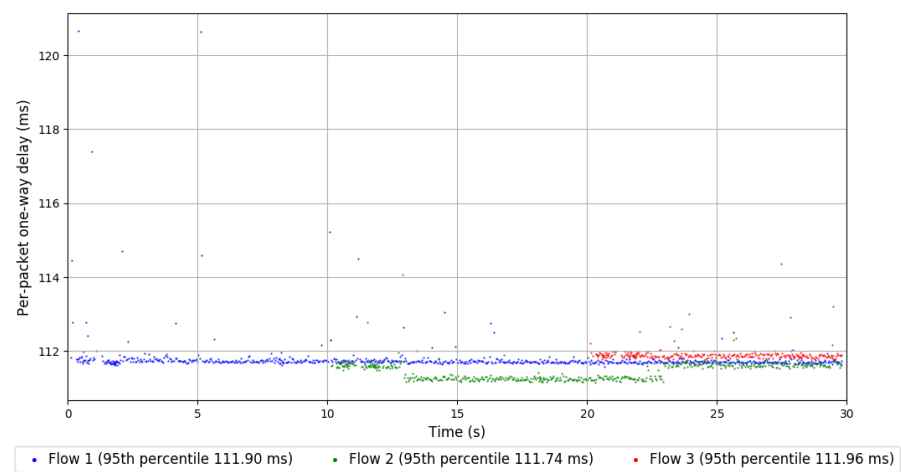
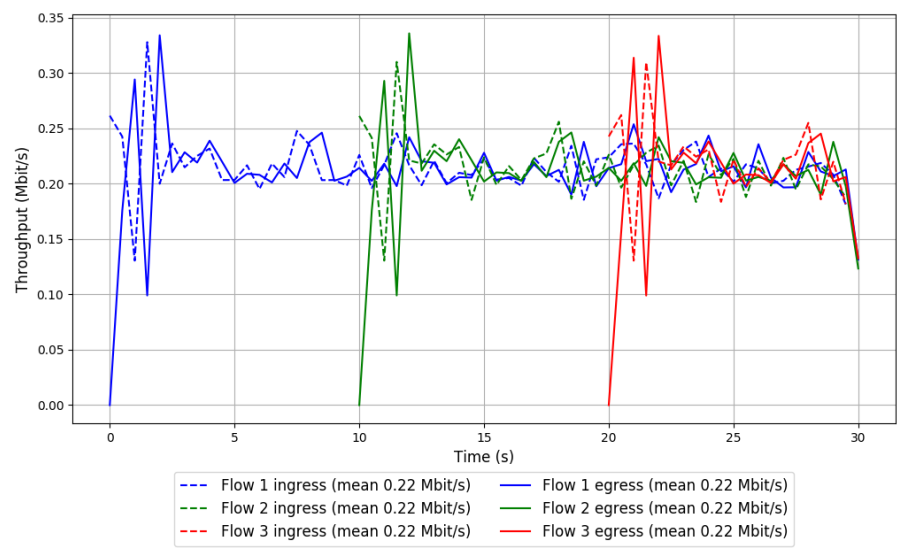
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.959 ms

Loss rate: 2.21%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-25 03:14:31

End at: 2018-07-25 03:15:01

Local clock offset: 0.061 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 111.660 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.611 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.679 ms

Loss rate: 1.24%

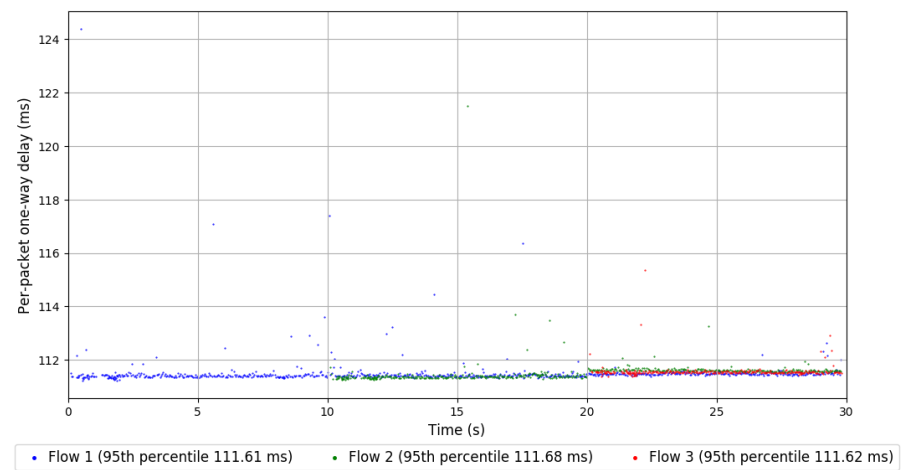
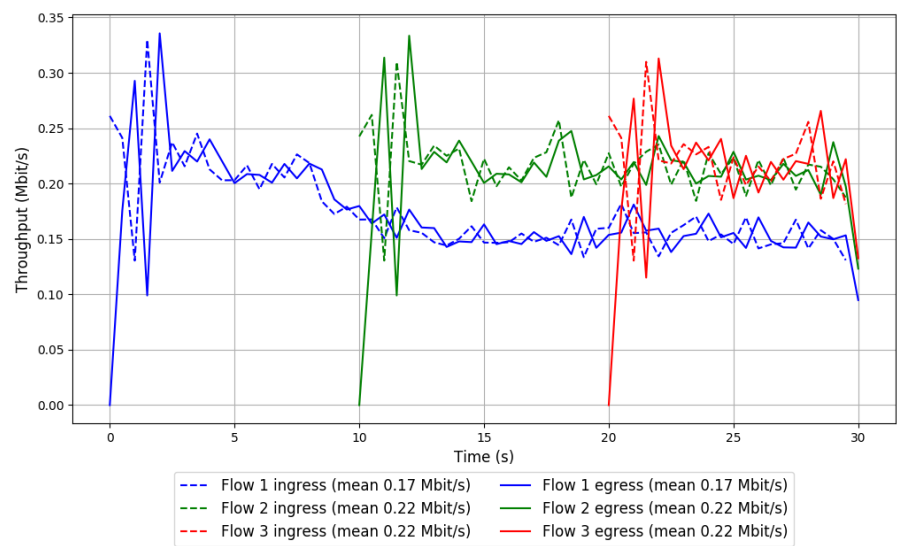
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.623 ms

Loss rate: 2.20%

Run 4: Report of SReAM — Data Link

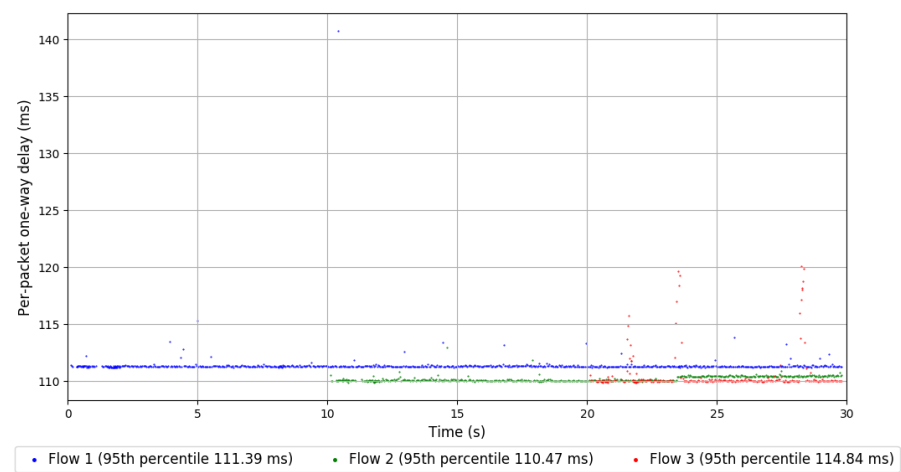
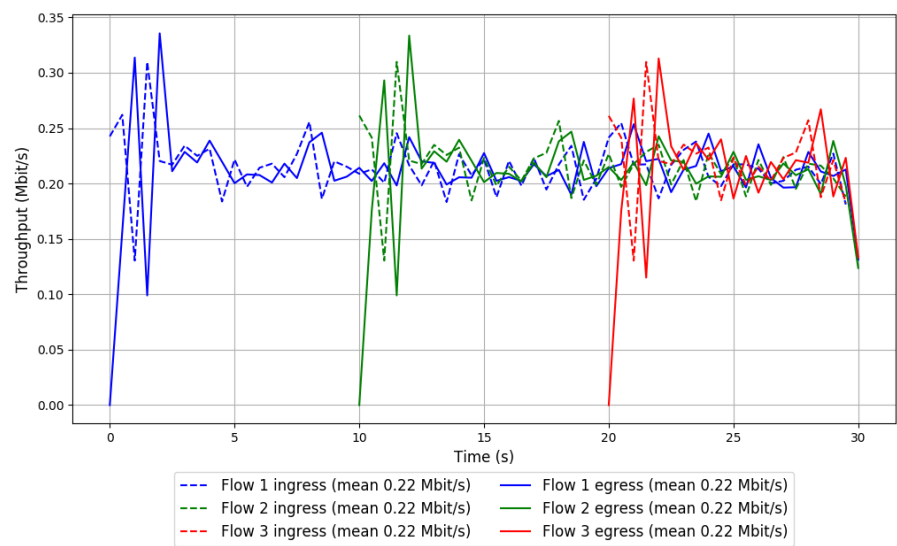


Run 5: Statistics of SReAM

Start at: 2018-07-25 03:40:57
End at: 2018-07-25 03:41:27
Local clock offset: -0.137 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-25 08:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.378 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.395 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.465 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.843 ms
Loss rate: 2.21%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-25 04:07:08

End at: 2018-07-25 04:07:38

Local clock offset: -0.127 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.462 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.655 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.492 ms

Loss rate: 1.25%

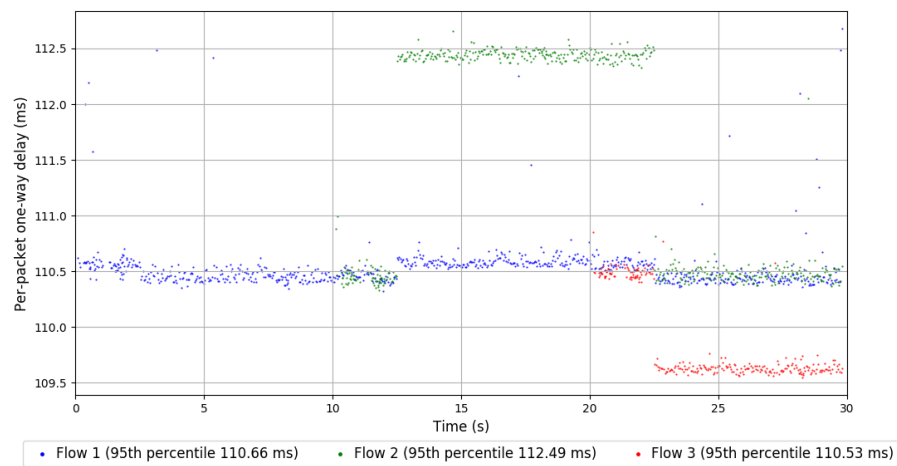
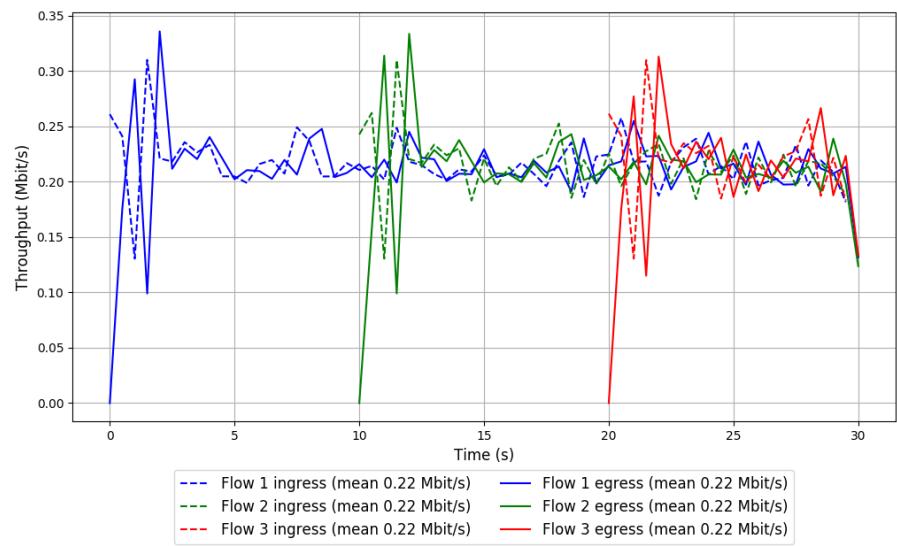
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.525 ms

Loss rate: 2.22%

Run 6: Report of SCSReAM — Data Link

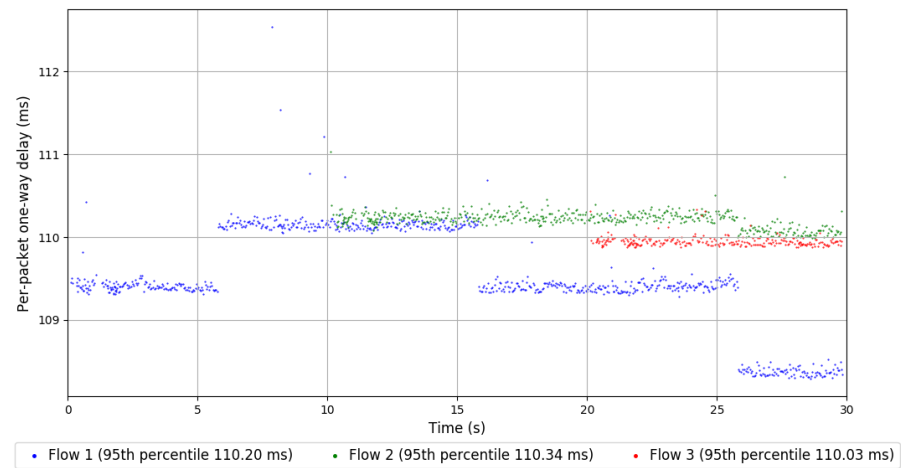
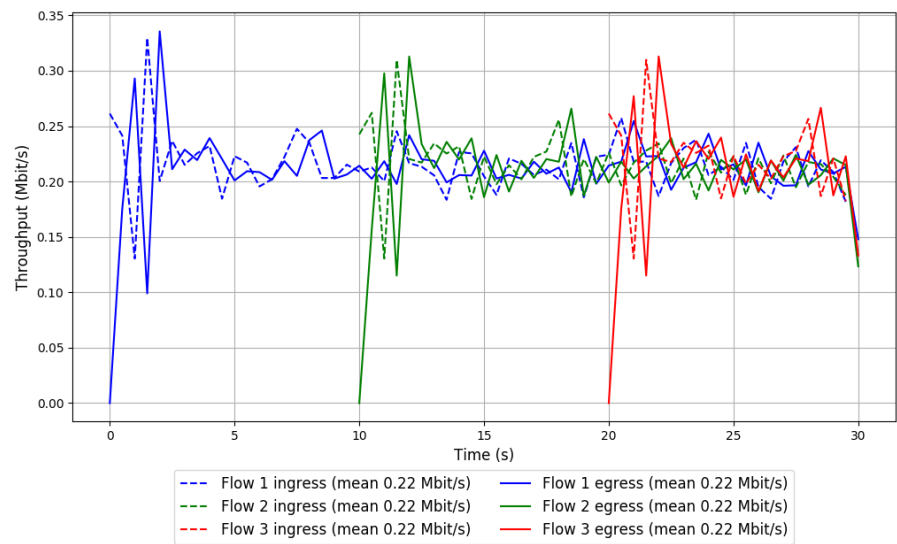


Run 7: Statistics of SReAM

Start at: 2018-07-25 04:33:35
End at: 2018-07-25 04:34:05
Local clock offset: -1.379 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-25 08:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.304 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.205 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.340 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.029 ms
Loss rate: 2.21%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-25 04:59:56

End at: 2018-07-25 05:00:26

Local clock offset: 0.106 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

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

Loss rate: 1.11%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.630 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.739 ms

Loss rate: 1.24%

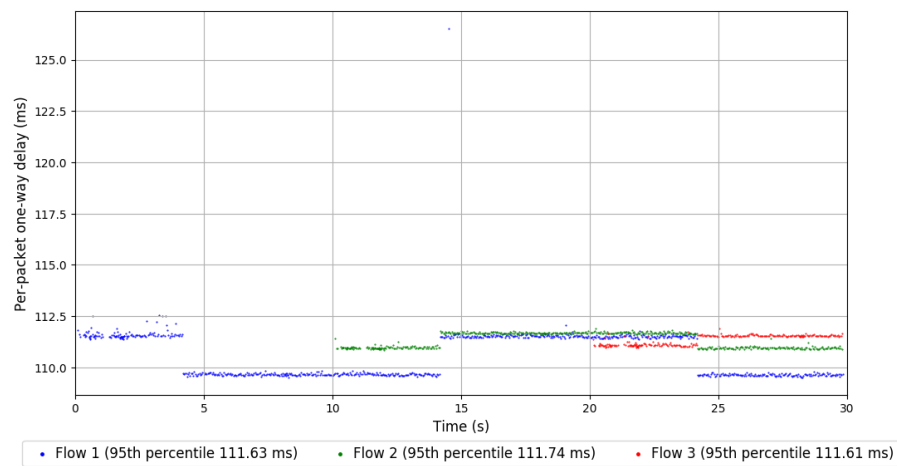
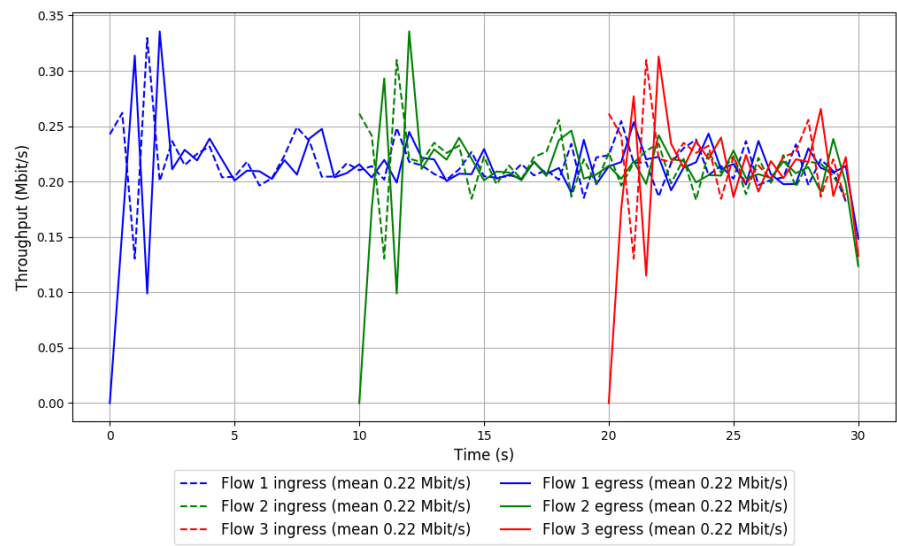
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.609 ms

Loss rate: 2.21%

Run 8: Report of SReAM — Data Link

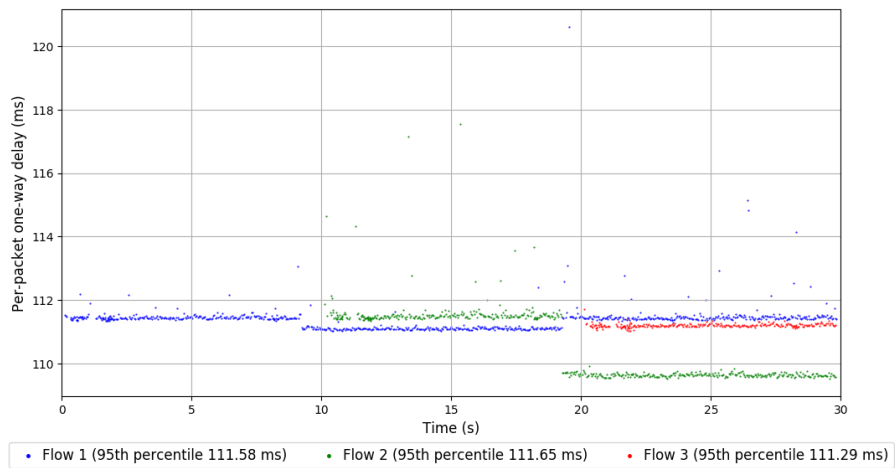
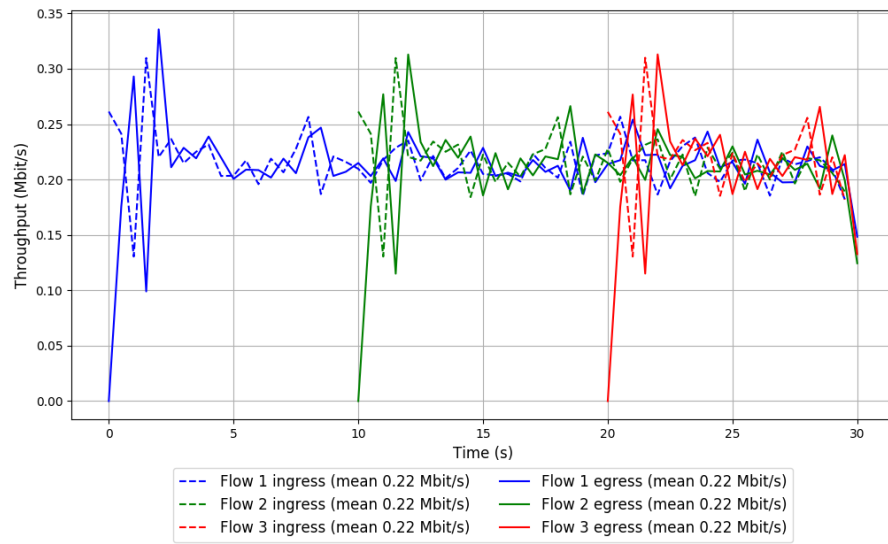


Run 9: Statistics of SReAM

Start at: 2018-07-25 05:26:11
End at: 2018-07-25 05:26:41
Local clock offset: -0.025 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-25 08:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.587 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.580 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.646 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.292 ms
Loss rate: 2.21%

Run 9: Report of SReAM — Data Link

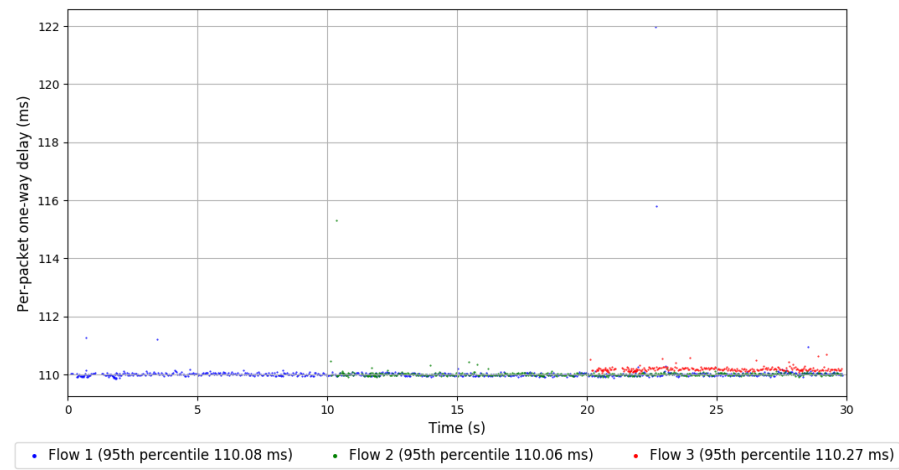
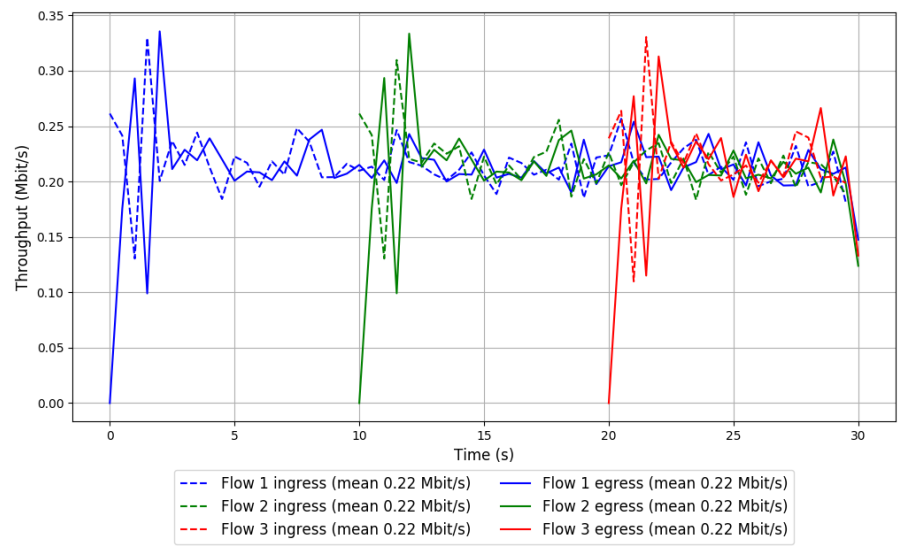


Run 10: Statistics of SReAM

Start at: 2018-07-25 05:52:38
End at: 2018-07-25 05:53:08
Local clock offset: -1.258 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-07-25 08:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.209 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.079 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.061 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.269 ms
Loss rate: 2.21%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-25 02:03:40

End at: 2018-07-25 02:04:10

Local clock offset: 0.076 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 111.690 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.635 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.686 ms

Loss rate: 1.21%

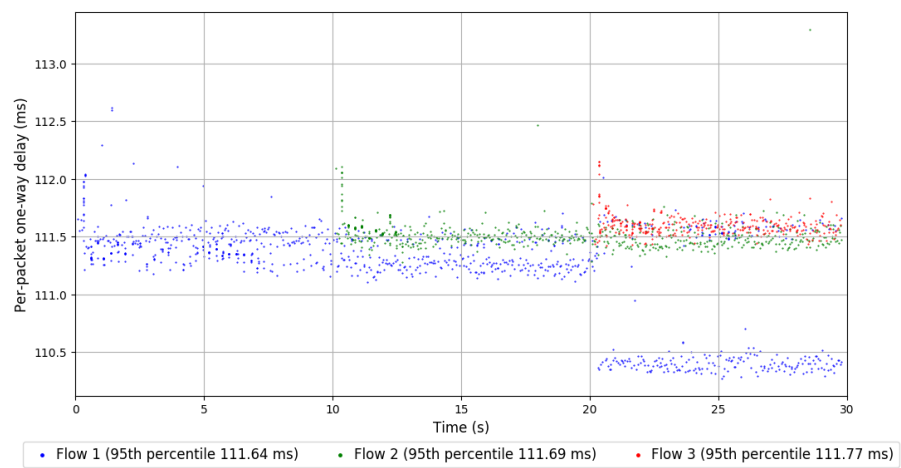
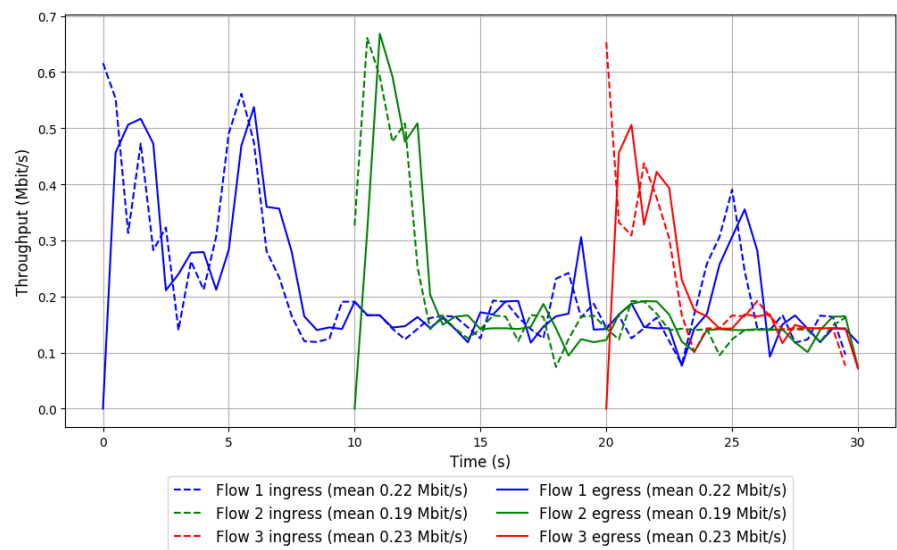
-- Flow 3:

Average throughput: 0.23 Mbit/s

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

Loss rate: 1.61%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-25 02:29:59

End at: 2018-07-25 02:30:29

Local clock offset: 0.106 ms

Remote clock offset: 0.443 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 111.376 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.401 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 111.291 ms

Loss rate: 0.96%

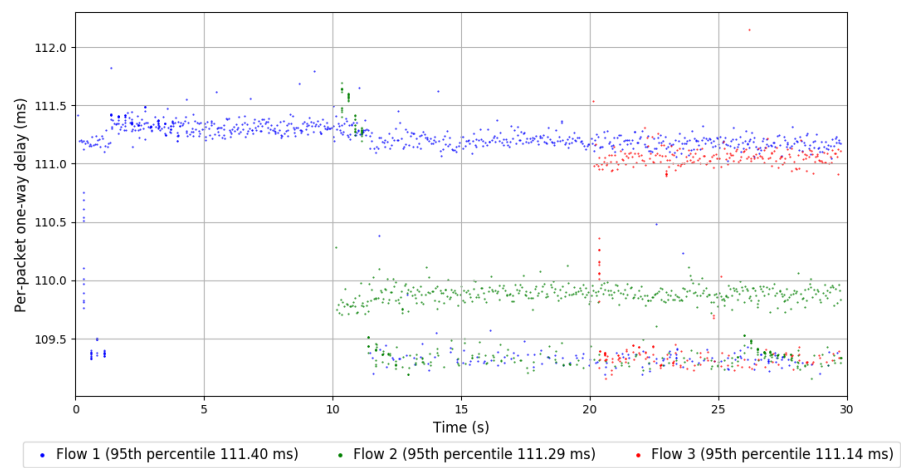
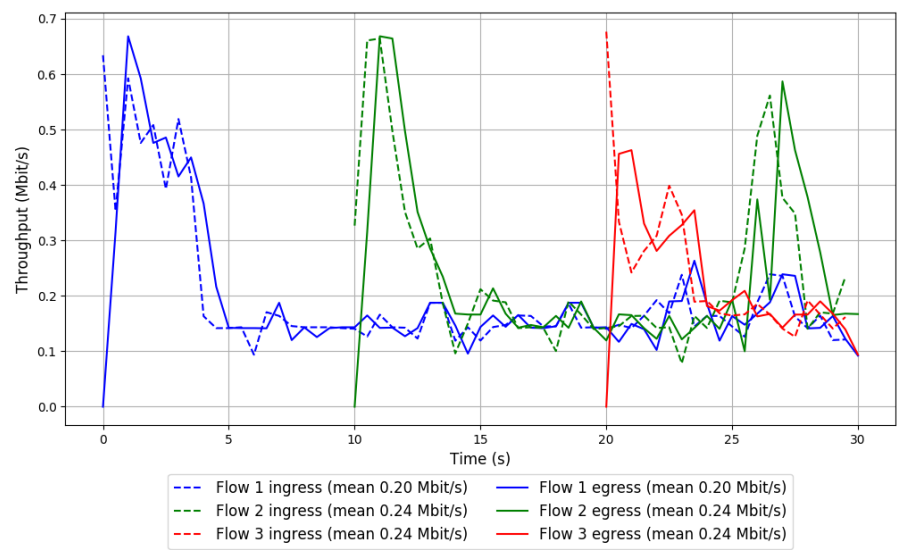
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 111.135 ms

Loss rate: 1.53%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-25 02:56:44

End at: 2018-07-25 02:57:14

Local clock offset: 0.046 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.190 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 111.131 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 111.228 ms

Loss rate: 0.48%

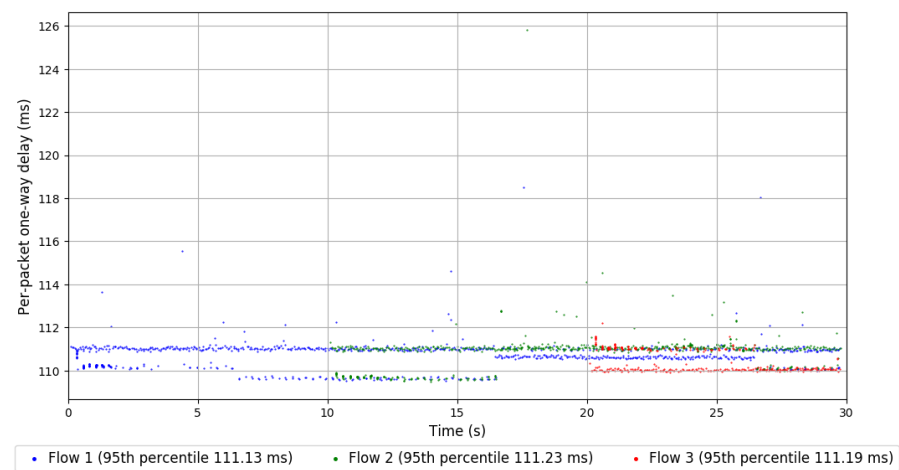
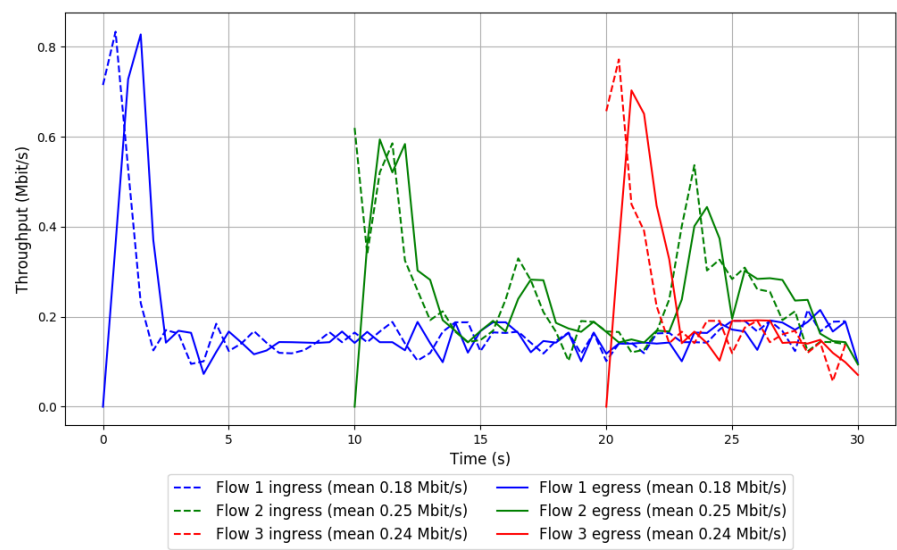
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 111.190 ms

Loss rate: 1.50%

Run 3: Report of Sprout — Data Link

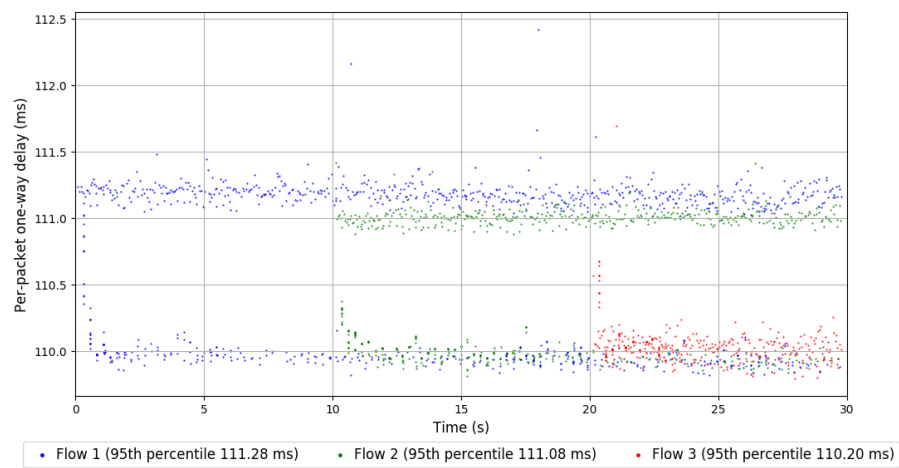
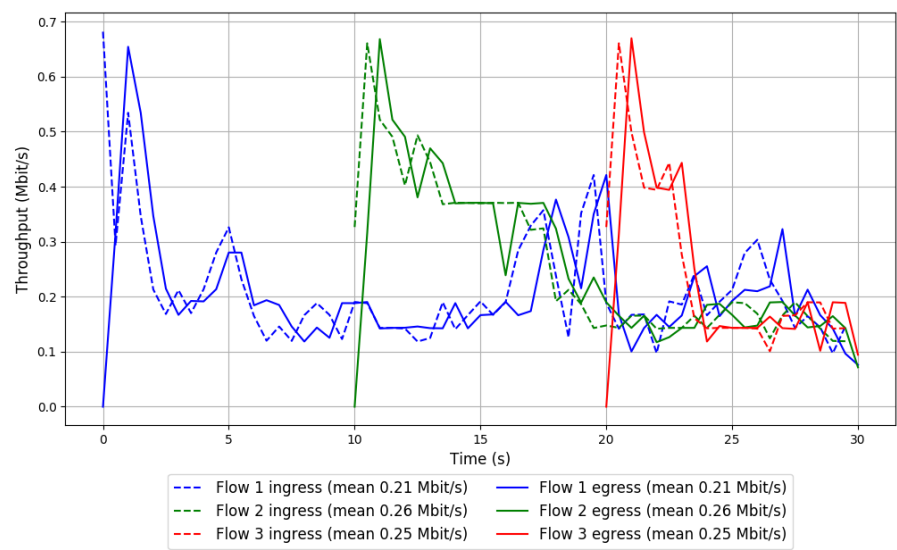


Run 4: Statistics of Sprout

Start at: 2018-07-25 03:23:28
End at: 2018-07-25 03:23:58
Local clock offset: -0.065 ms
Remote clock offset: -0.016 ms

```
# Below is generated by plot.py at 2018-07-25 08:32:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 111.242 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.276 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.079 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 110.198 ms
Loss rate: 1.86%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-25 03:49:42

End at: 2018-07-25 03:50:12

Local clock offset: 0.08 ms

Remote clock offset: 0.328 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 111.264 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 0.20 Mbit/s

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

Loss rate: 0.81%

-- Flow 2:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 111.081 ms

Loss rate: 0.73%

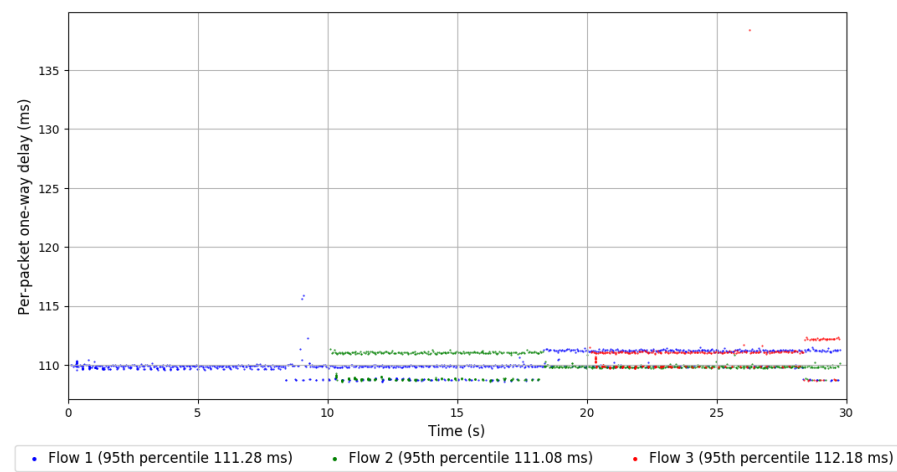
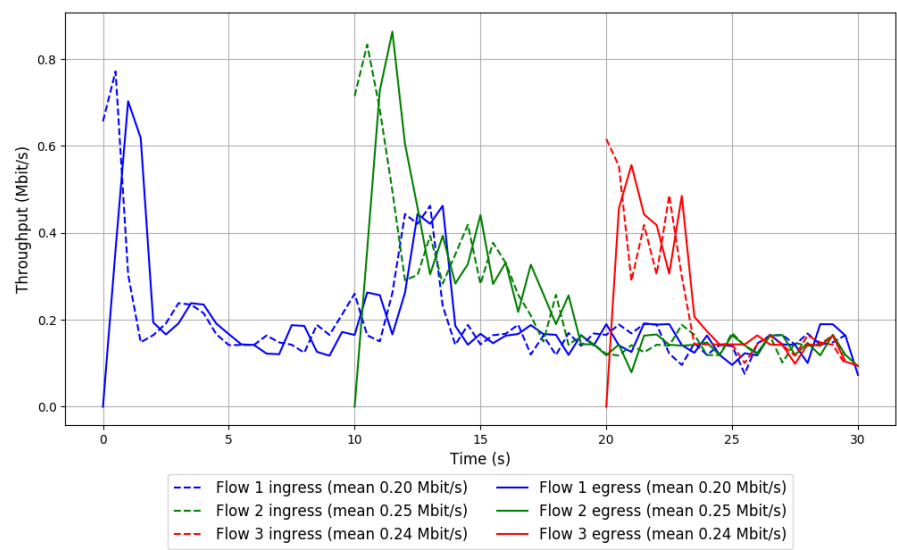
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 112.176 ms

Loss rate: 1.94%

Run 5: Report of Sprout — Data Link

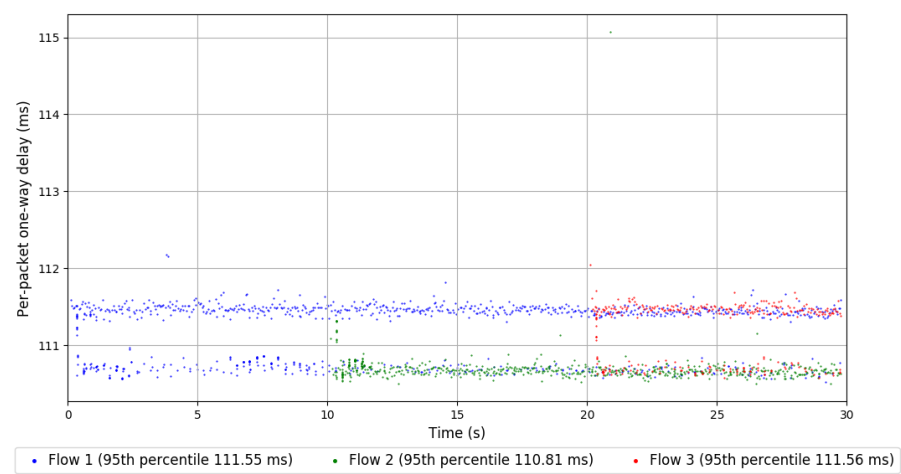
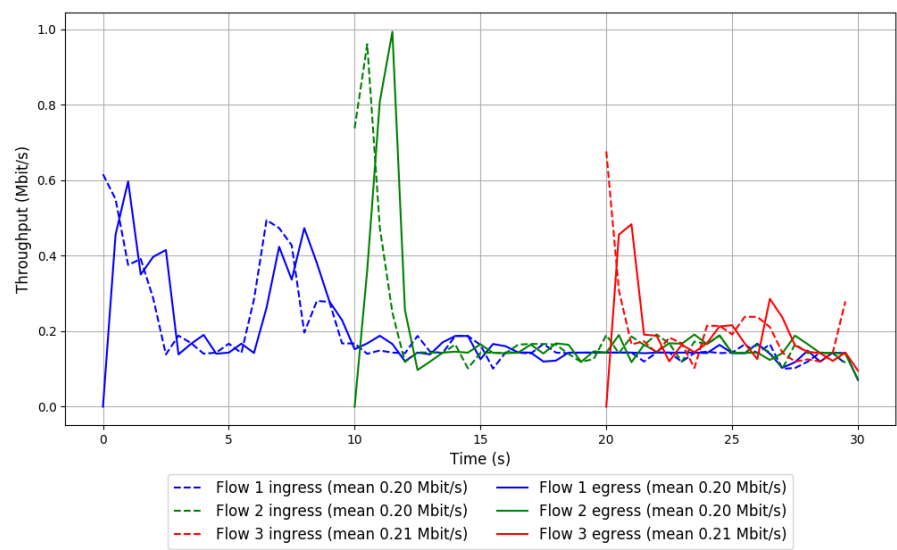


Run 6: Statistics of Sprout

Start at: 2018-07-25 04:16:09
End at: 2018-07-25 04:16:39
Local clock offset: 0.239 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-25 08:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 111.532 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.549 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.809 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.564 ms
Loss rate: 4.50%

Run 6: Report of Sprout — Data Link

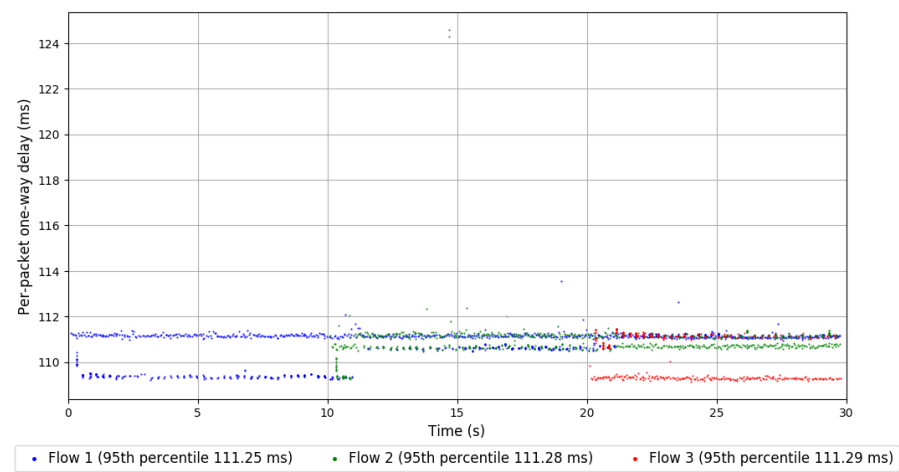
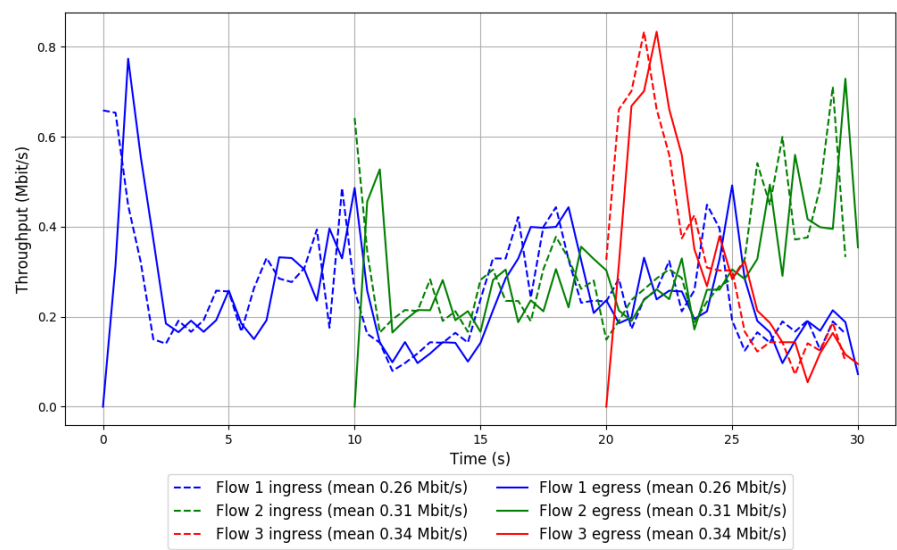


Run 7: Statistics of Sprout

Start at: 2018-07-25 04:42:40
End at: 2018-07-25 04:43:10
Local clock offset: -0.319 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-25 08:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 111.273 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.253 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 111.276 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 111.286 ms
Loss rate: 1.20%

Run 7: Report of Sprout — Data Link

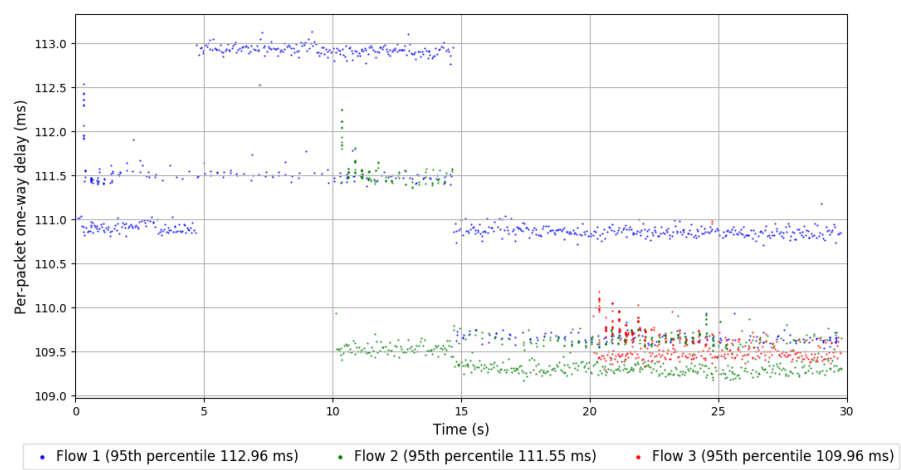
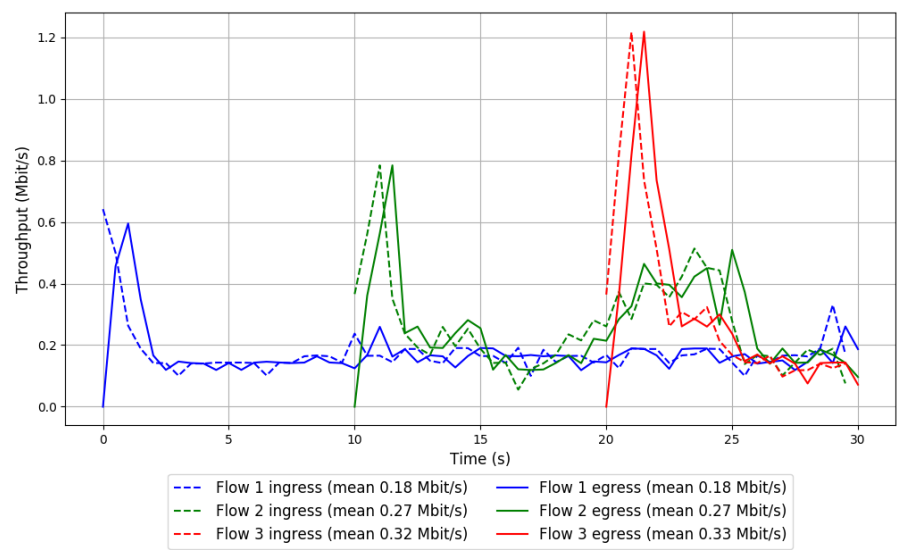


Run 8: Statistics of Sprout

Start at: 2018-07-25 05:08:46
End at: 2018-07-25 05:09:16
Local clock offset: 0.018 ms
Remote clock offset: -0.022 ms

```
# Below is generated by plot.py at 2018-07-25 08:32:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 112.922 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.957 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 111.548 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 109.957 ms
Loss rate: 1.12%
```

Run 8: Report of Sprout — Data Link

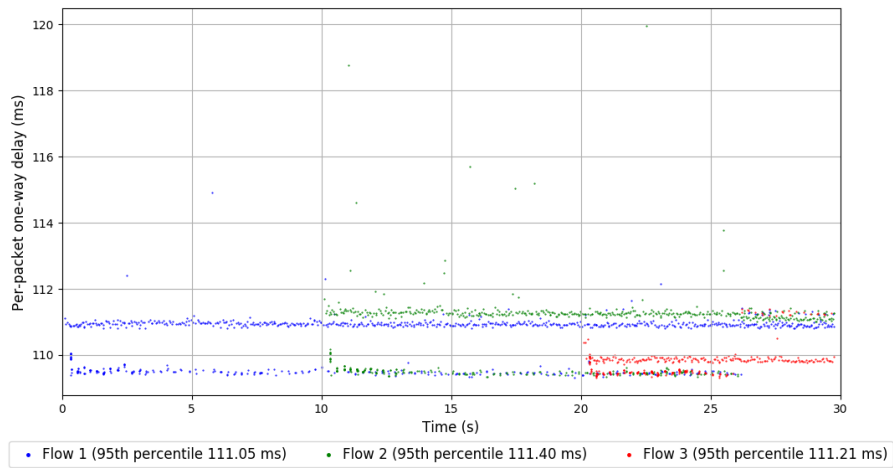
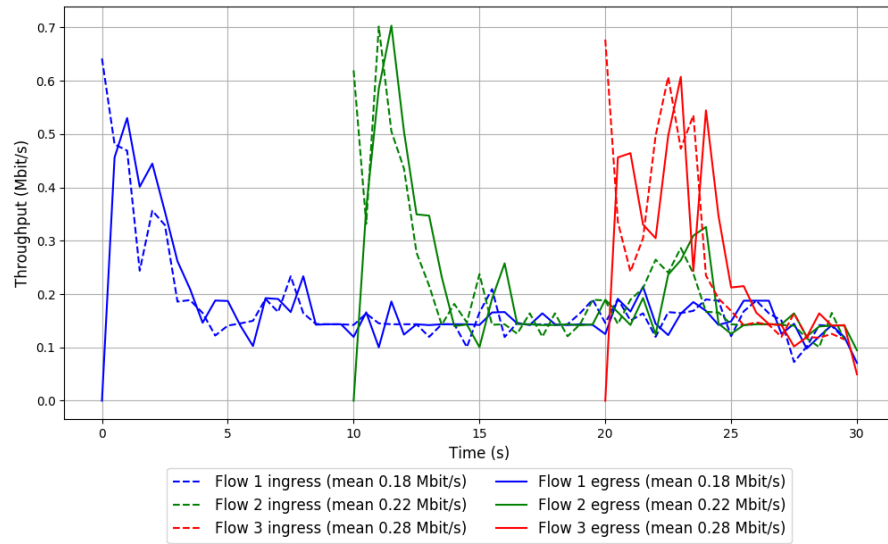


Run 9: Statistics of Sprout

Start at: 2018-07-25 05:35:14
End at: 2018-07-25 05:35:44
Local clock offset: -0.155 ms
Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-25 08:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.319 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.053 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.396 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 111.214 ms
Loss rate: 1.28%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-25 06:01:47

End at: 2018-07-25 06:02:17

Local clock offset: -0.991 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-07-25 08:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 110.565 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 110.571 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 110.461 ms

Loss rate: 1.92%

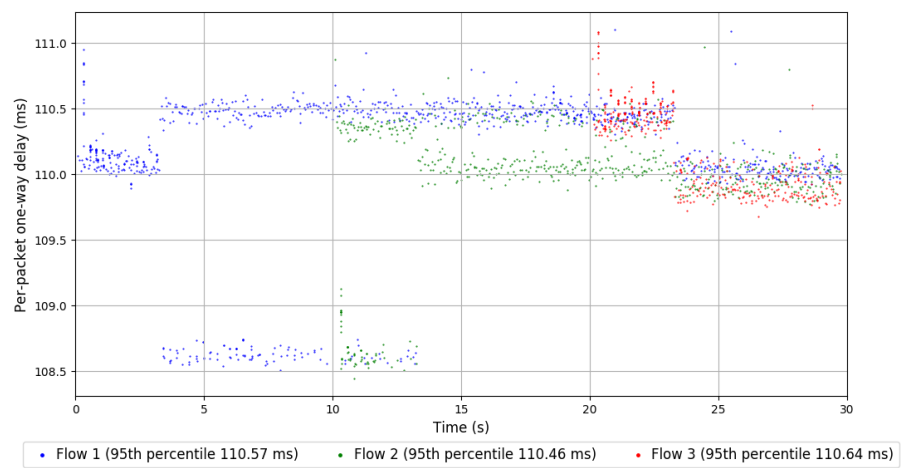
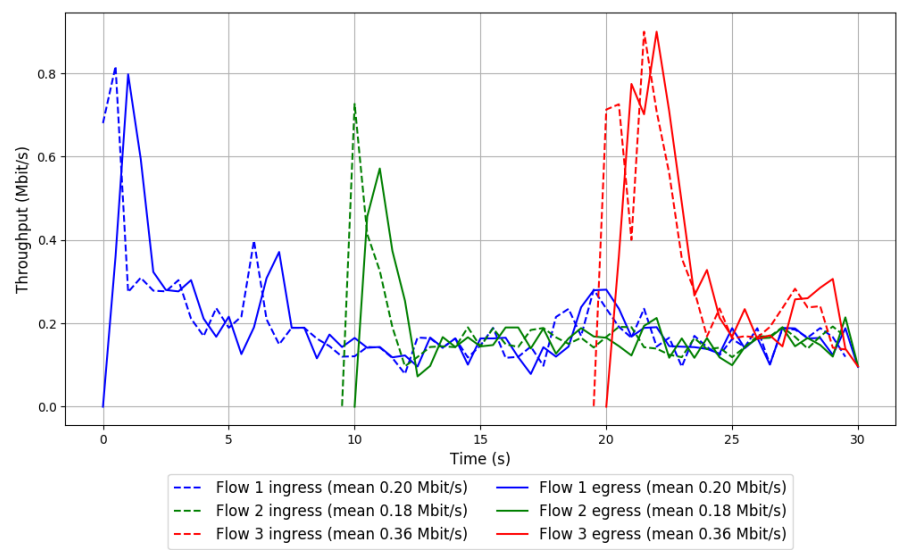
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 110.641 ms

Loss rate: 0.66%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 02:01:55

End at: 2018-07-25 02:02:25

Local clock offset: -0.087 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-07-25 08:34:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.20 Mbit/s

95th percentile per-packet one-way delay: 112.126 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 158.19 Mbit/s

95th percentile per-packet one-way delay: 111.304 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 164.51 Mbit/s

95th percentile per-packet one-way delay: 112.576 ms

Loss rate: 1.09%

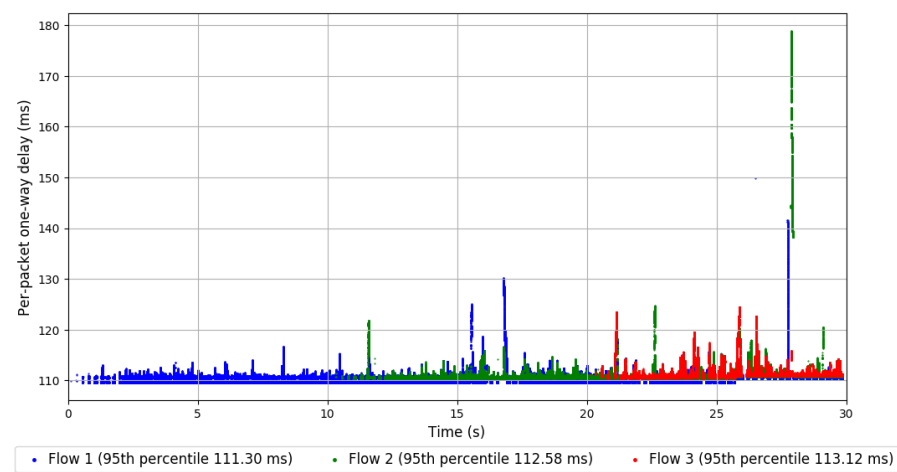
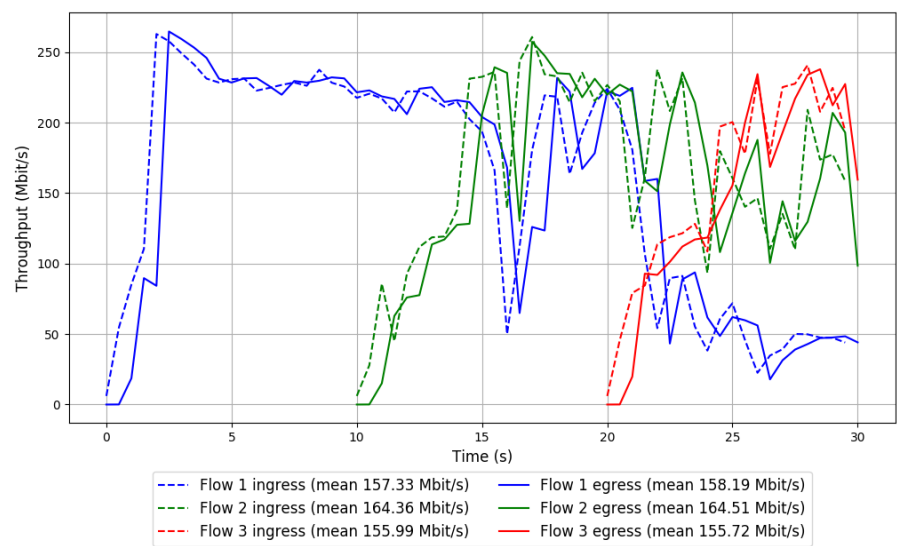
-- Flow 3:

Average throughput: 155.72 Mbit/s

95th percentile per-packet one-way delay: 113.120 ms

Loss rate: 2.55%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 02:28:10

End at: 2018-07-25 02:28:40

Local clock offset: 0.089 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-25 08:35:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 349.80 Mbit/s

95th percentile per-packet one-way delay: 112.049 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 204.52 Mbit/s

95th percentile per-packet one-way delay: 112.020 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 211.12 Mbit/s

95th percentile per-packet one-way delay: 112.102 ms

Loss rate: 1.20%

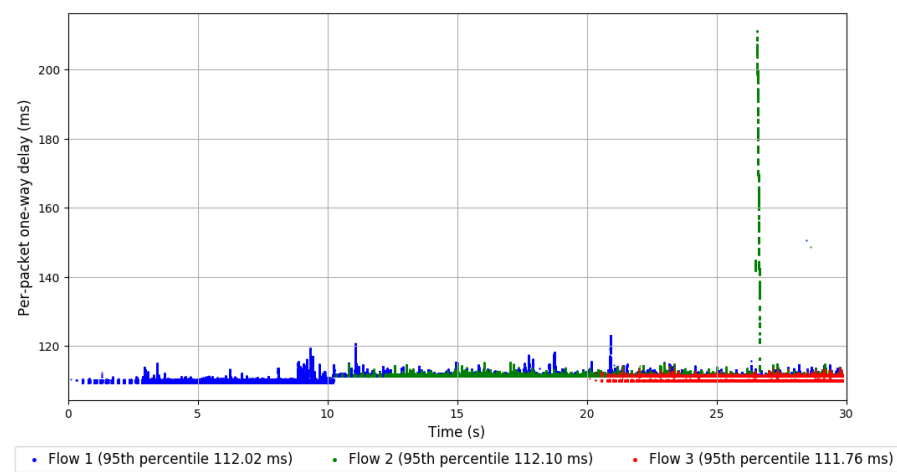
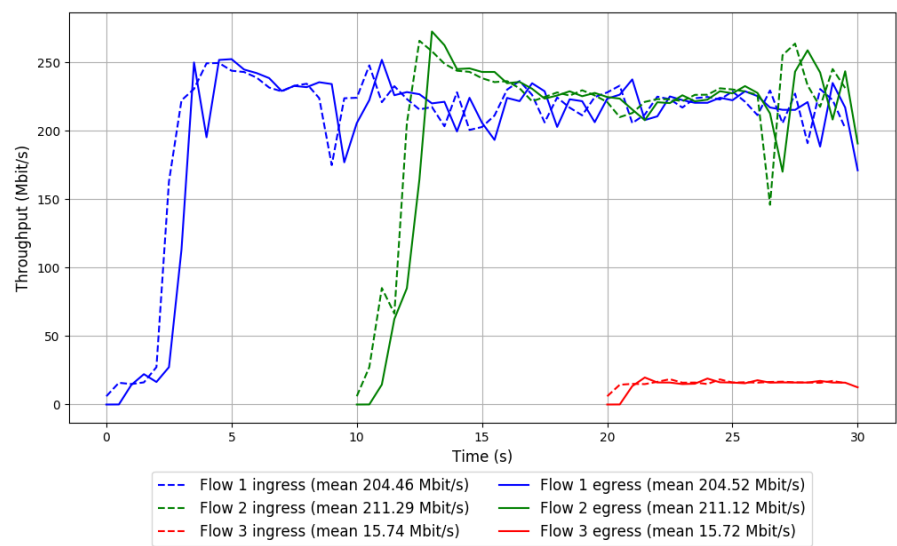
-- Flow 3:

Average throughput: 15.72 Mbit/s

95th percentile per-packet one-way delay: 111.761 ms

Loss rate: 2.33%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 02:54:47

End at: 2018-07-25 02:55:17

Local clock offset: -1.329 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2018-07-25 08:35:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.97 Mbit/s

95th percentile per-packet one-way delay: 113.151 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 183.46 Mbit/s

95th percentile per-packet one-way delay: 111.022 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 153.05 Mbit/s

95th percentile per-packet one-way delay: 112.259 ms

Loss rate: 0.76%

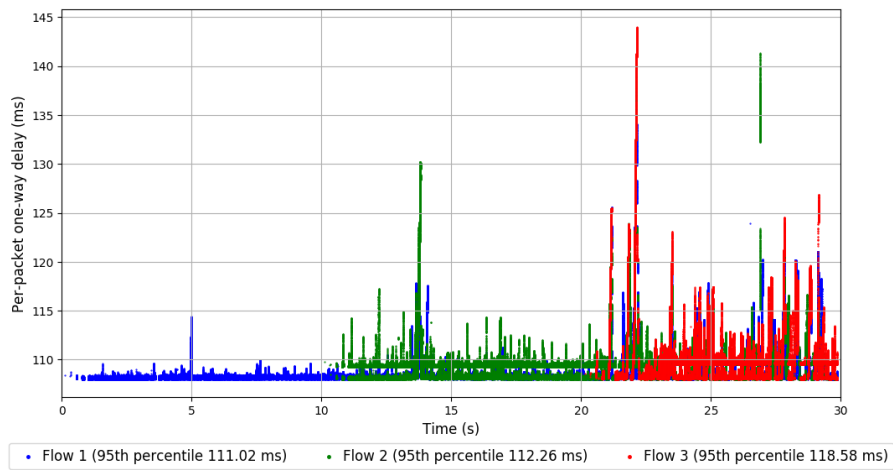
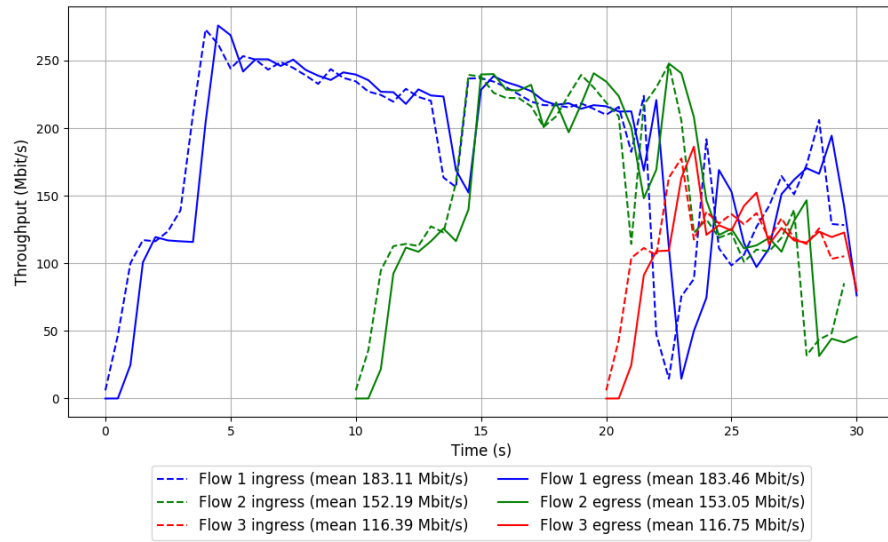
-- Flow 3:

Average throughput: 116.75 Mbit/s

95th percentile per-packet one-way delay: 118.579 ms

Loss rate: 2.07%

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

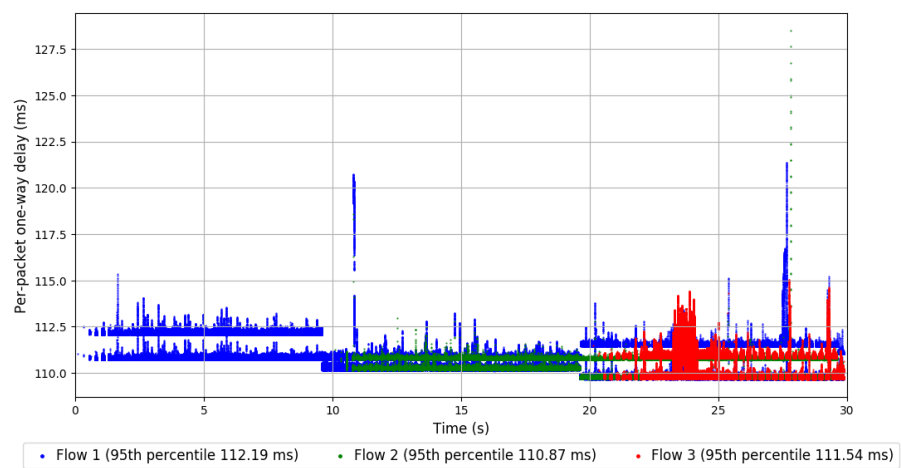
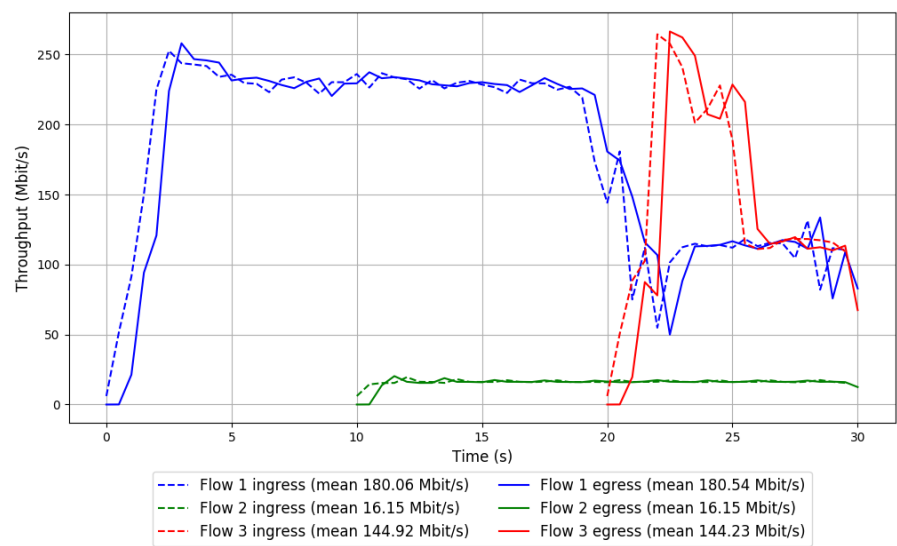


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 03:21:51
End at: 2018-07-25 03:22:21
Local clock offset: -0.089 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-25 08:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.47 Mbit/s
95th percentile per-packet one-way delay: 112.178 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 180.54 Mbit/s
95th percentile per-packet one-way delay: 112.187 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 110.869 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 144.23 Mbit/s
95th percentile per-packet one-way delay: 111.544 ms
Loss rate: 2.25%

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

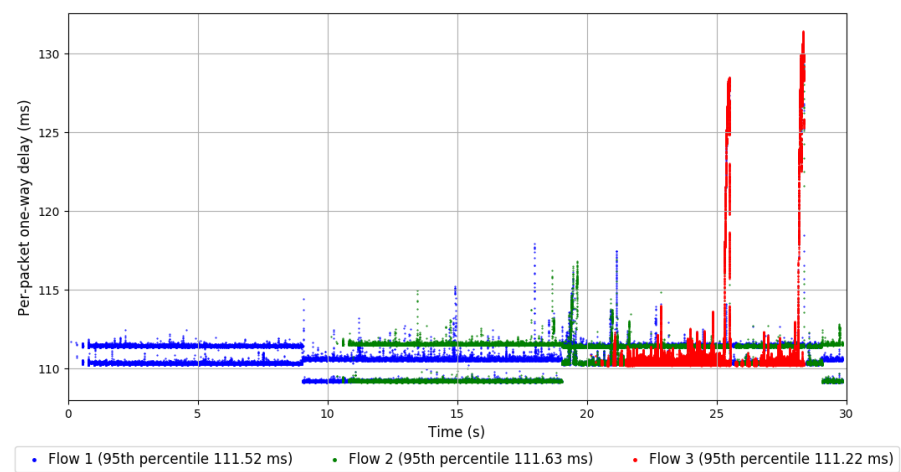
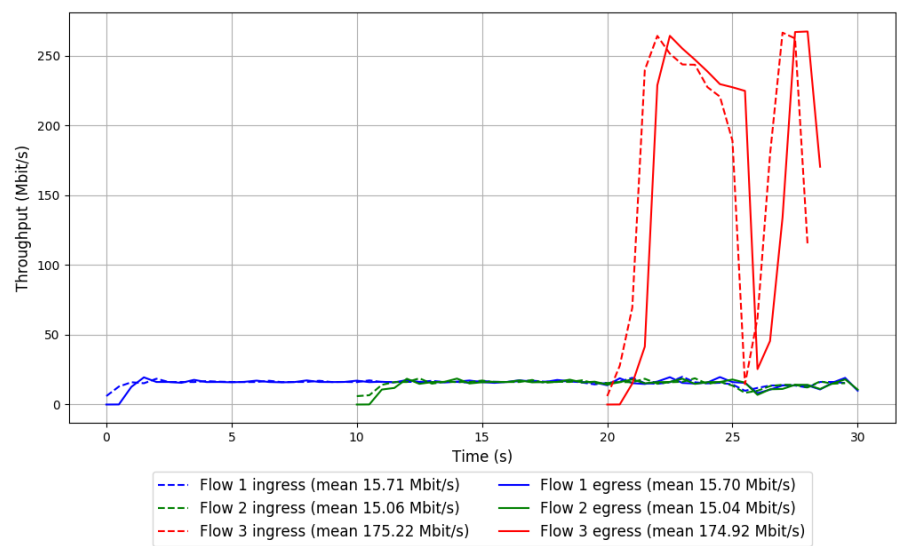


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 03:48:22
End at: 2018-07-25 03:48:52
Local clock offset: -0.047 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-07-25 08:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: 111.563 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 111.517 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 174.92 Mbit/s
95th percentile per-packet one-way delay: 111.215 ms
Loss rate: 0.00%

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

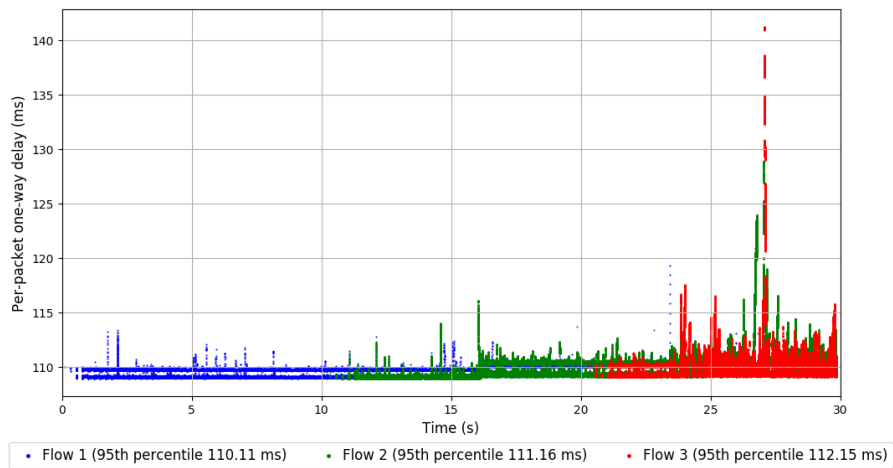
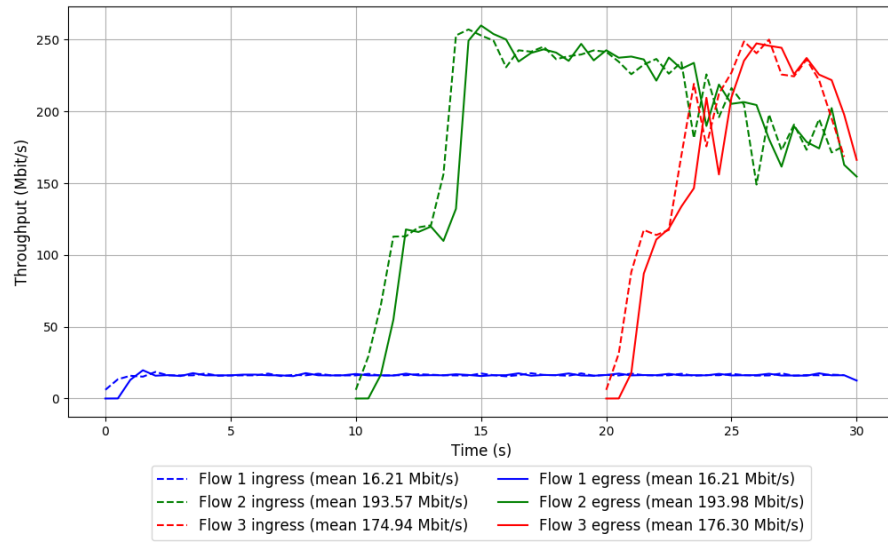


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 04:14:35
End at: 2018-07-25 04:15:05
Local clock offset: -1.29 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-25 08:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.72 Mbit/s
95th percentile per-packet one-way delay: 111.447 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 16.21 Mbit/s
95th percentile per-packet one-way delay: 110.111 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 193.98 Mbit/s
95th percentile per-packet one-way delay: 111.157 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 176.30 Mbit/s
95th percentile per-packet one-way delay: 112.152 ms
Loss rate: 1.49%

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

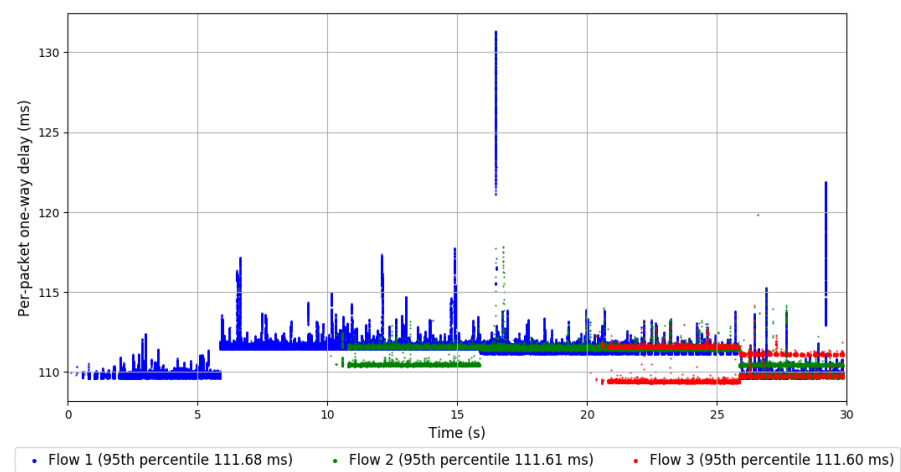
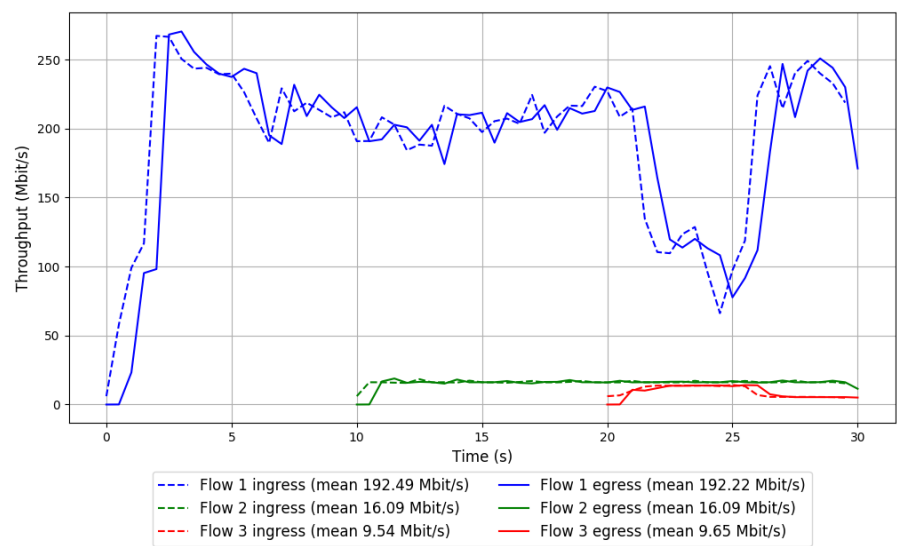


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 04:41:05
End at: 2018-07-25 04:41:35
Local clock offset: 0.192 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-25 08:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.05 Mbit/s
95th percentile per-packet one-way delay: 111.675 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 192.22 Mbit/s
95th percentile per-packet one-way delay: 111.680 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 111.606 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 111.599 ms
Loss rate: 1.12%

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

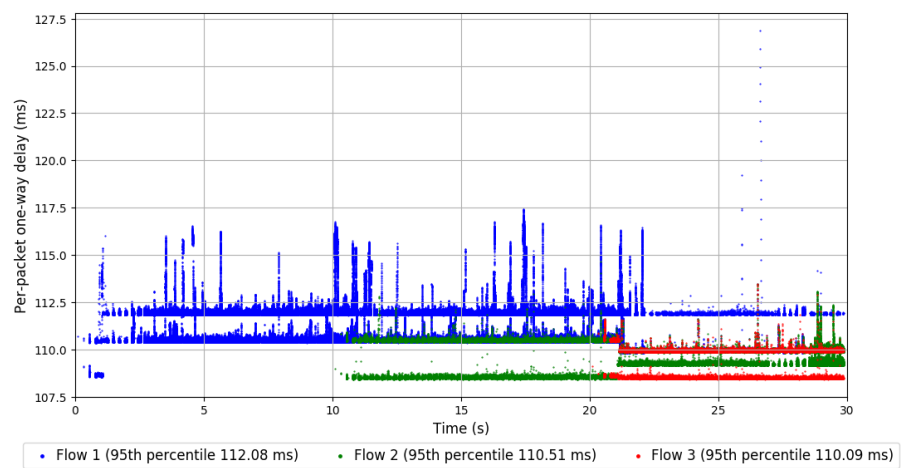
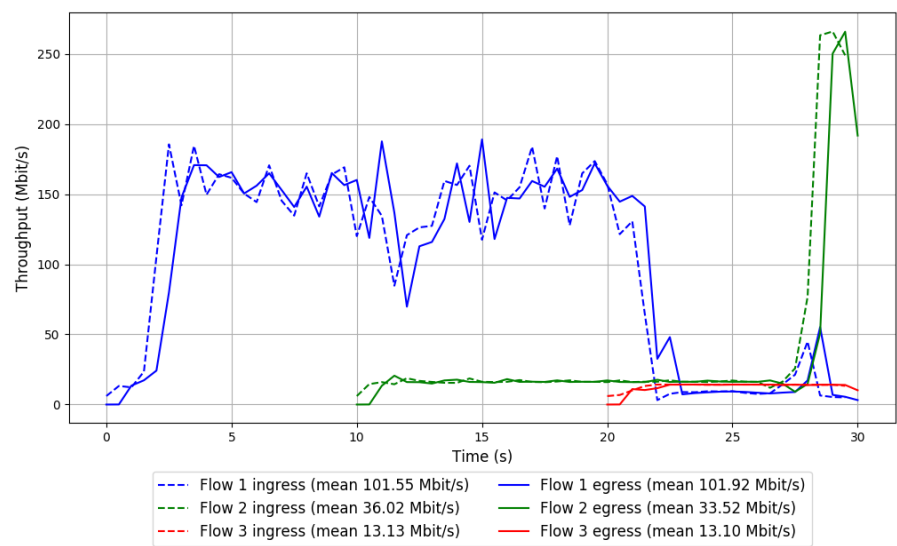


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 05:07:20
End at: 2018-07-25 05:07:50
Local clock offset: -1.206 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-07-25 08:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.45 Mbit/s
95th percentile per-packet one-way delay: 112.050 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 101.92 Mbit/s
95th percentile per-packet one-way delay: 112.084 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 110.512 ms
Loss rate: 7.99%
-- Flow 3:
Average throughput: 13.10 Mbit/s
95th percentile per-packet one-way delay: 110.090 ms
Loss rate: 2.41%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 05:33:32

End at: 2018-07-25 05:34:02

Local clock offset: 1.349 ms

Remote clock offset: 0.372 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.47 Mbit/s

95th percentile per-packet one-way delay: 115.459 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 200.03 Mbit/s

95th percentile per-packet one-way delay: 114.760 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 111.83 Mbit/s

95th percentile per-packet one-way delay: 118.008 ms

Loss rate: 1.57%

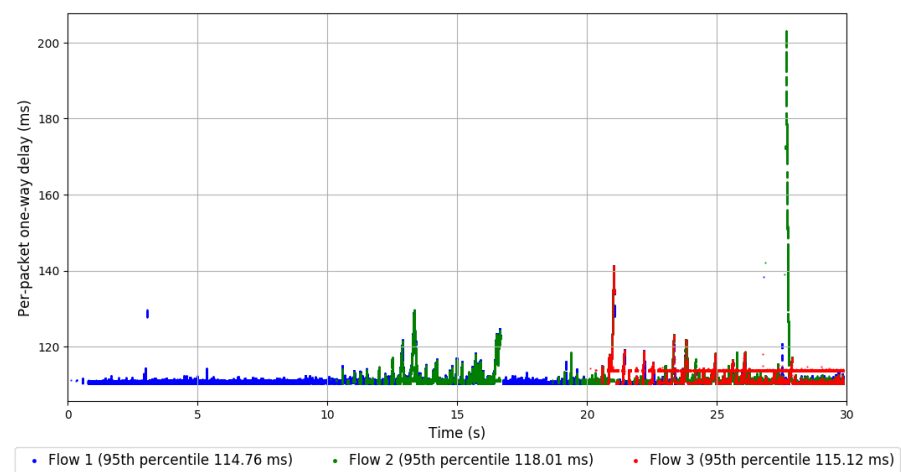
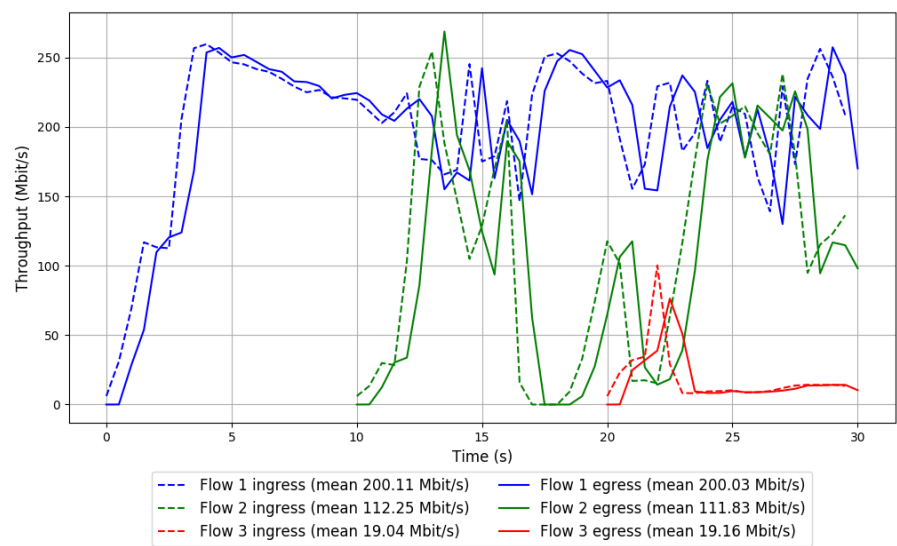
-- Flow 3:

Average throughput: 19.16 Mbit/s

95th percentile per-packet one-way delay: 115.125 ms

Loss rate: 1.66%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 06:00:07

End at: 2018-07-25 06:00:37

Local clock offset: 0.061 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.15 Mbit/s

95th percentile per-packet one-way delay: 113.356 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 154.54 Mbit/s

95th percentile per-packet one-way delay: 111.727 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 111.79 Mbit/s

95th percentile per-packet one-way delay: 114.287 ms

Loss rate: 0.42%

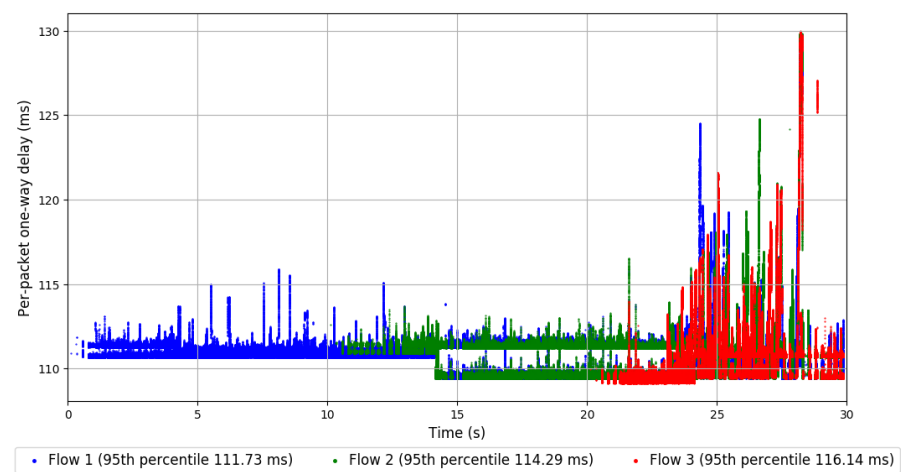
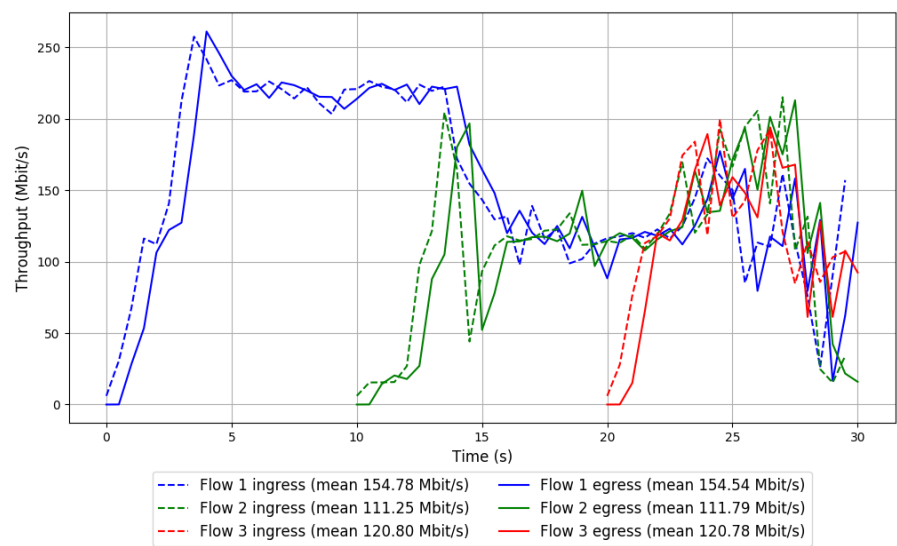
-- Flow 3:

Average throughput: 120.78 Mbit/s

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

Loss rate: 2.22%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 02:04:53

End at: 2018-07-25 02:05:23

Local clock offset: -0.135 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.65 Mbit/s

95th percentile per-packet one-way delay: 124.767 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 125.183 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 111.876 ms

Loss rate: 2.42%

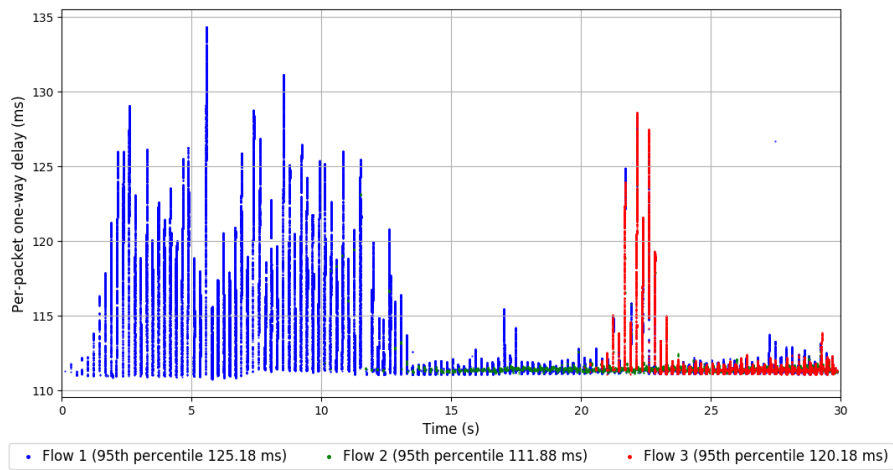
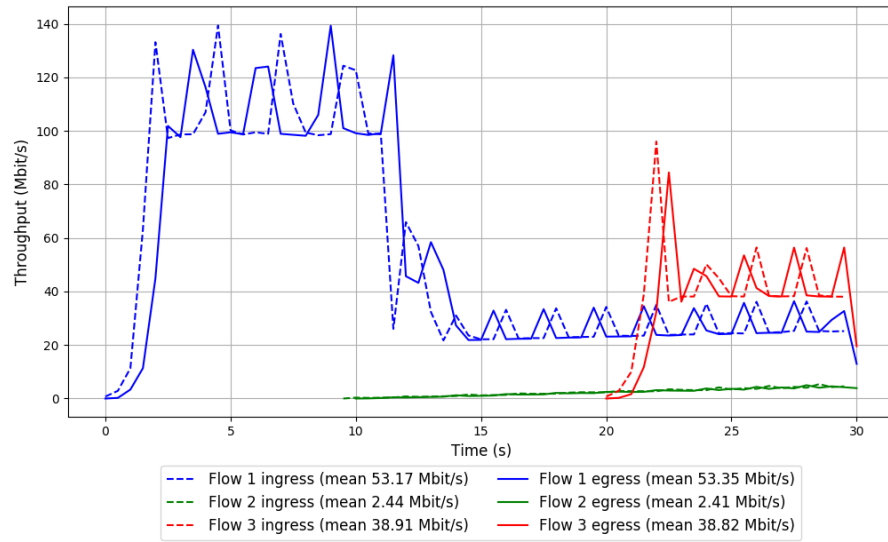
-- Flow 3:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 120.184 ms

Loss rate: 2.45%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 02:31:12

End at: 2018-07-25 02:31:42

Local clock offset: 1.292 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 174.12 Mbit/s

95th percentile per-packet one-way delay: 121.892 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 99.64 Mbit/s

95th percentile per-packet one-way delay: 123.078 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 98.76 Mbit/s

95th percentile per-packet one-way delay: 119.872 ms

Loss rate: 1.18%

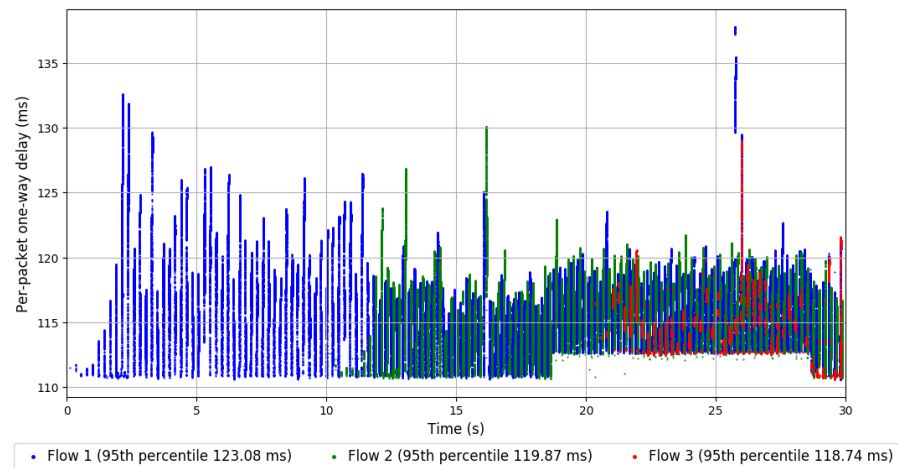
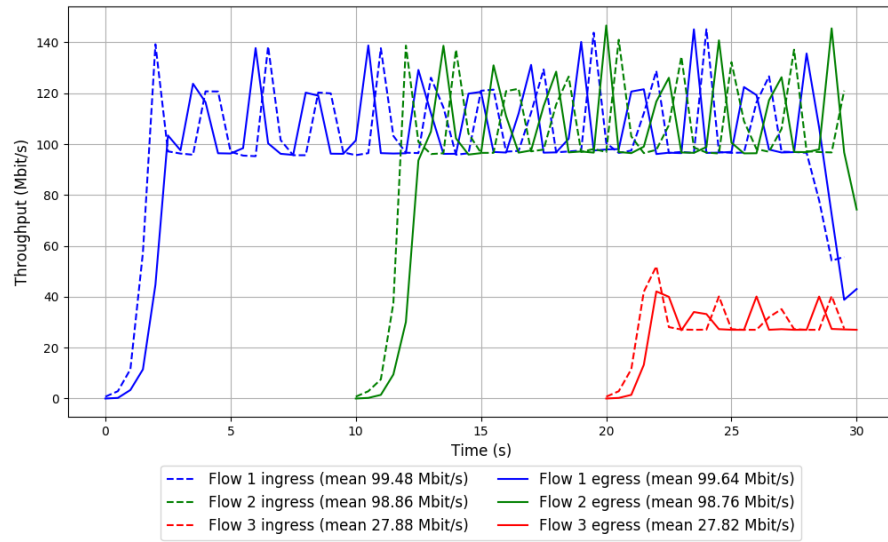
-- Flow 3:

Average throughput: 27.82 Mbit/s

95th percentile per-packet one-way delay: 118.744 ms

Loss rate: 2.45%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 02:57:57

End at: 2018-07-25 02:58:27

Local clock offset: 0.054 ms

Remote clock offset: 0.39 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.55 Mbit/s

95th percentile per-packet one-way delay: 118.046 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 100.65 Mbit/s

95th percentile per-packet one-way delay: 116.219 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 98.57 Mbit/s

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

Loss rate: 1.22%

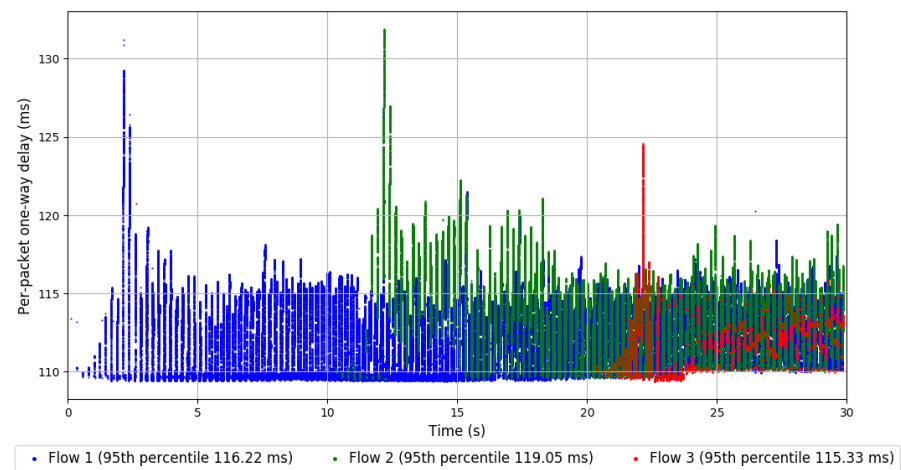
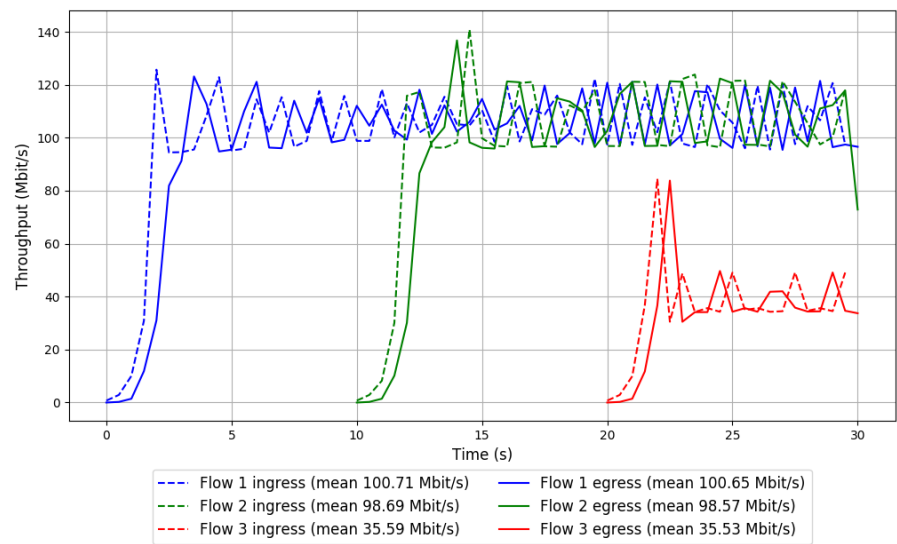
-- Flow 3:

Average throughput: 35.53 Mbit/s

95th percentile per-packet one-way delay: 115.328 ms

Loss rate: 2.41%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 03:24:41

End at: 2018-07-25 03:25:11

Local clock offset: 0.141 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.74 Mbit/s

95th percentile per-packet one-way delay: 120.221 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 103.04 Mbit/s

95th percentile per-packet one-way delay: 121.445 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 100.09 Mbit/s

95th percentile per-packet one-way delay: 117.264 ms

Loss rate: 1.32%

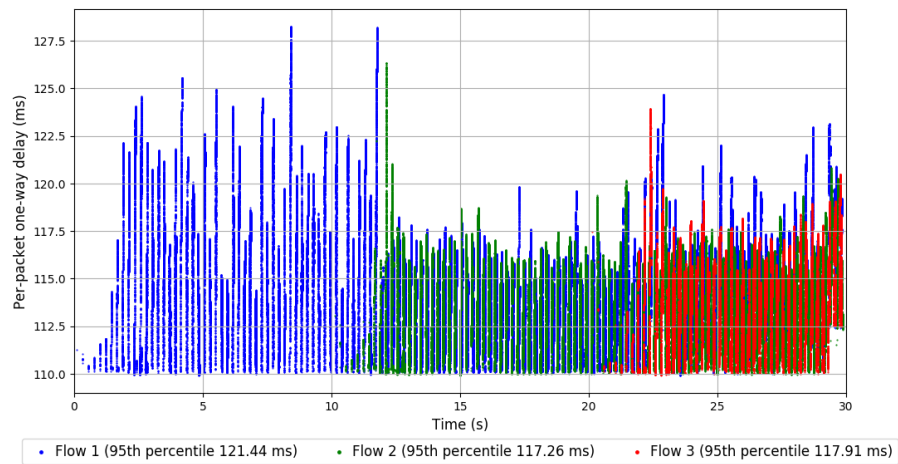
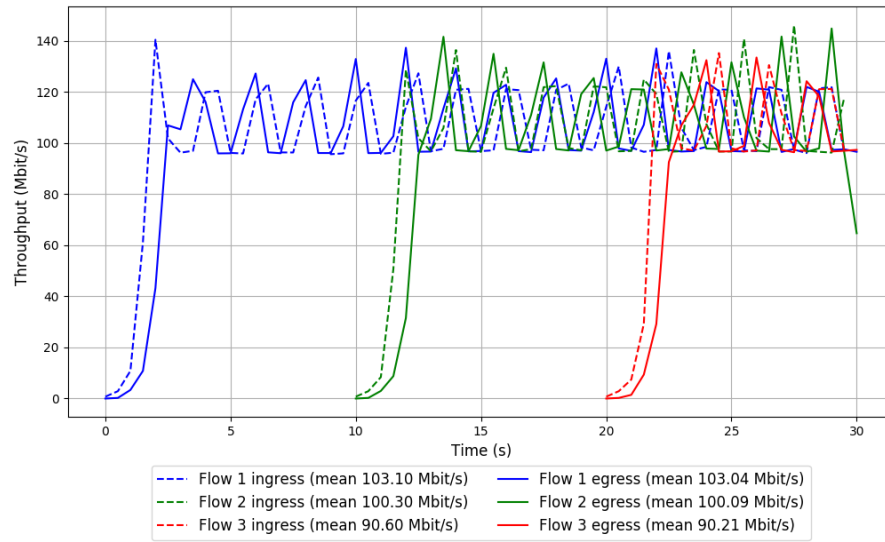
-- Flow 3:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 117.909 ms

Loss rate: 2.69%

Run 4: Report of TCP Vegas — Data Link

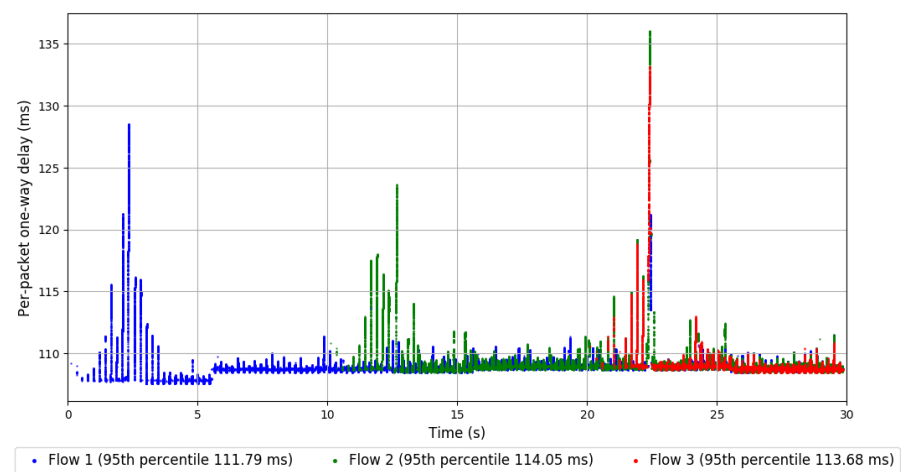
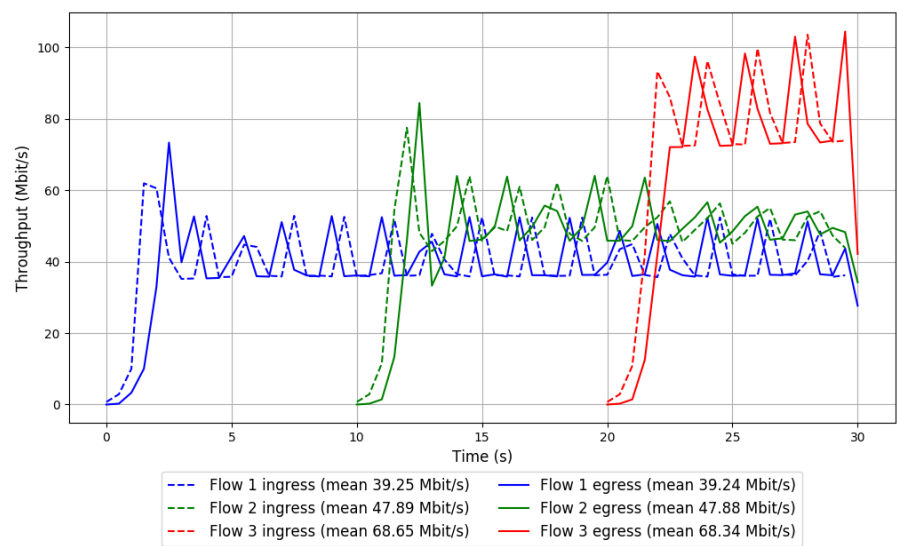


Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 03:50:55
End at: 2018-07-25 03:51:25
Local clock offset: -1.315 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-25 08:41:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 113.588 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 111.794 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 114.046 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 68.34 Mbit/s
95th percentile per-packet one-way delay: 113.682 ms
Loss rate: 2.69%

Run 5: Report of TCP Vegas — Data Link

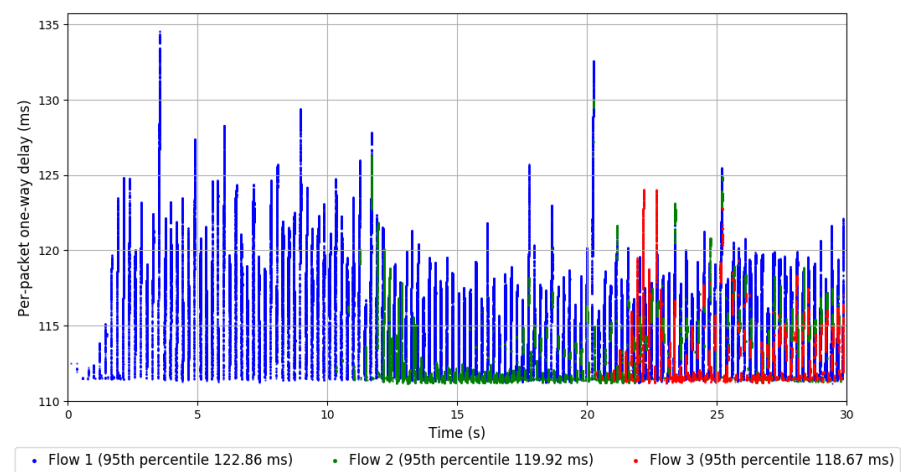
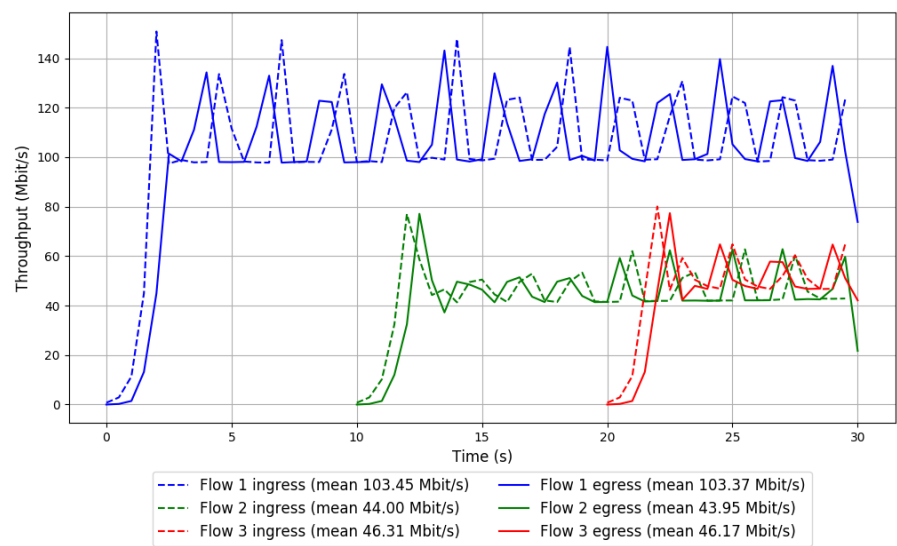


Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 04:17:22
End at: 2018-07-25 04:17:52
Local clock offset: 1.008 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-25 08:41:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 147.61 Mbit/s
95th percentile per-packet one-way delay: 122.394 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 103.37 Mbit/s
95th percentile per-packet one-way delay: 122.857 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 43.95 Mbit/s
95th percentile per-packet one-way delay: 119.923 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 118.673 ms
Loss rate: 2.53%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 04:43:52

End at: 2018-07-25 04:44:22

Local clock offset: -0.01 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.56 Mbit/s

95th percentile per-packet one-way delay: 125.624 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 100.25 Mbit/s

95th percentile per-packet one-way delay: 125.670 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 125.882 ms

Loss rate: 2.64%

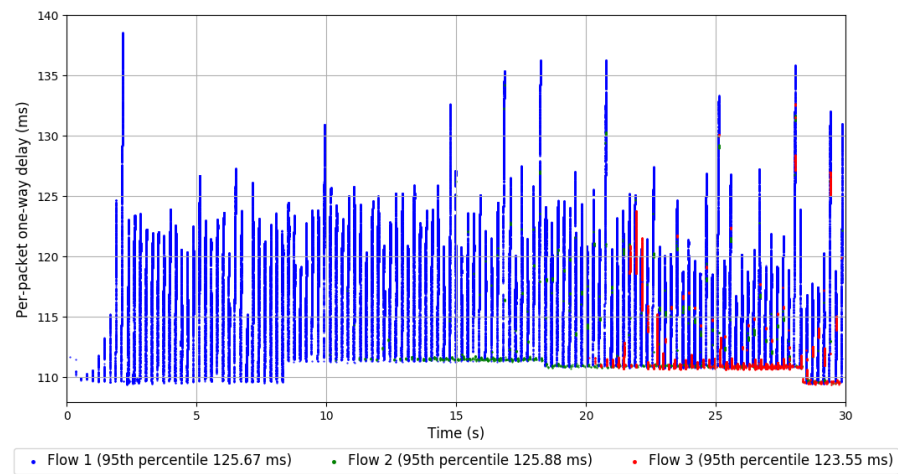
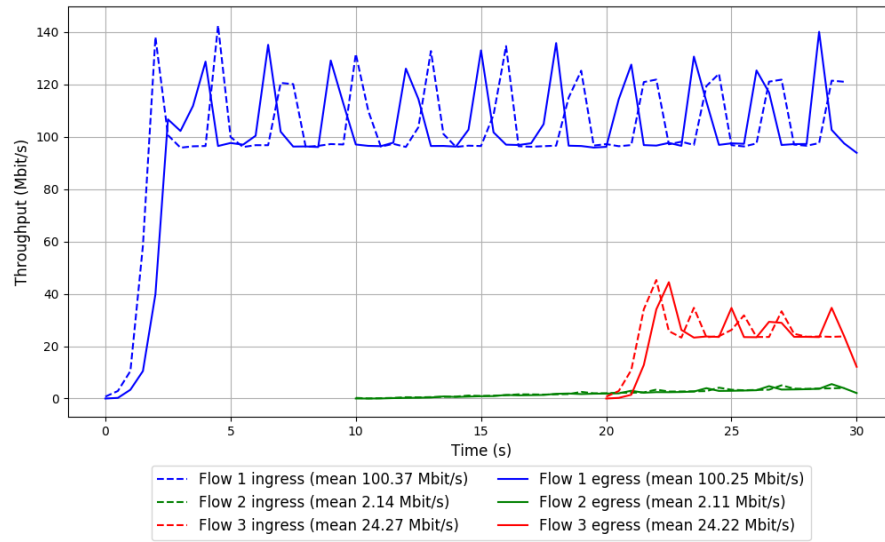
-- Flow 3:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 123.554 ms

Loss rate: 2.46%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 05:09:59

End at: 2018-07-25 05:10:29

Local clock offset: 0.271 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.50 Mbit/s

95th percentile per-packet one-way delay: 117.159 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 52.73 Mbit/s

95th percentile per-packet one-way delay: 117.550 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 117.297 ms

Loss rate: 1.23%

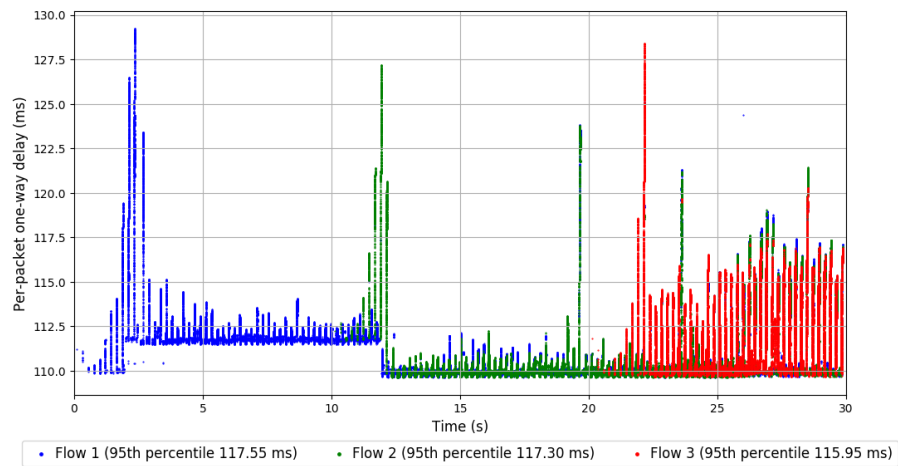
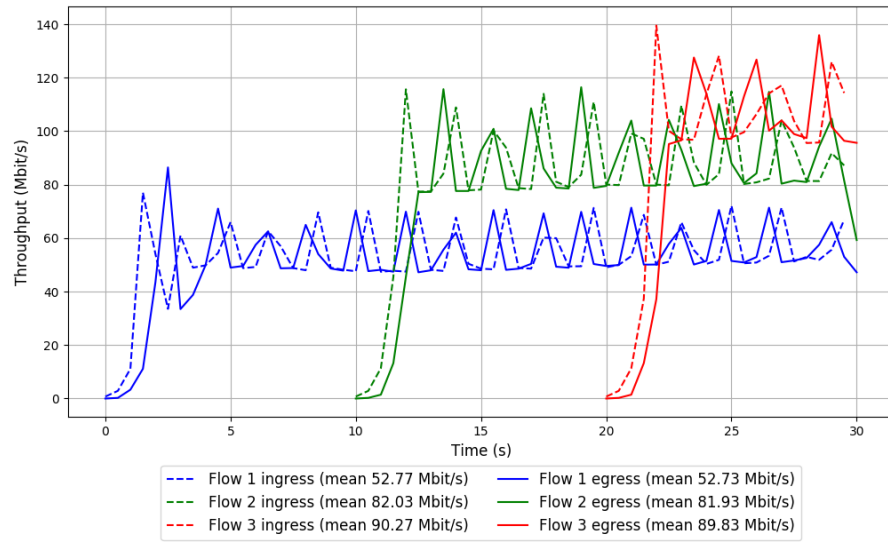
-- Flow 3:

Average throughput: 89.83 Mbit/s

95th percentile per-packet one-way delay: 115.946 ms

Loss rate: 2.68%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 05:36:27

End at: 2018-07-25 05:36:57

Local clock offset: 1.33 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 100.75 Mbit/s

95th percentile per-packet one-way delay: 120.156 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 33.96 Mbit/s

95th percentile per-packet one-way delay: 115.782 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 100.22 Mbit/s

95th percentile per-packet one-way delay: 121.502 ms

Loss rate: 1.31%

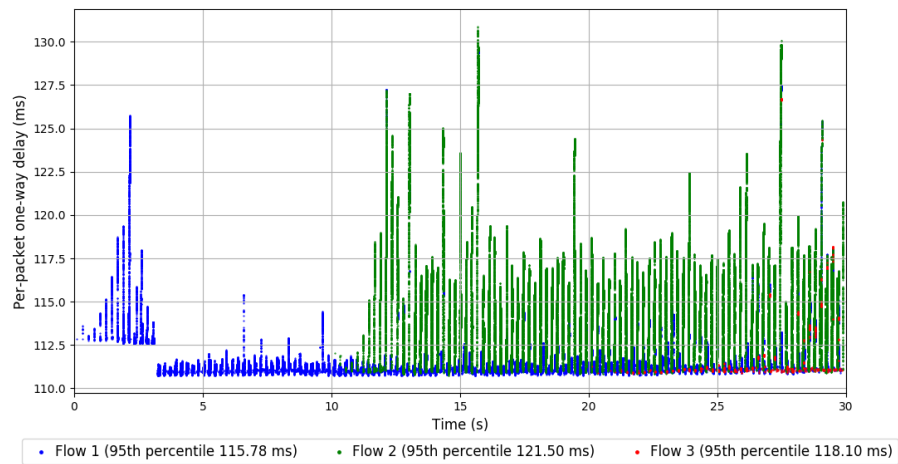
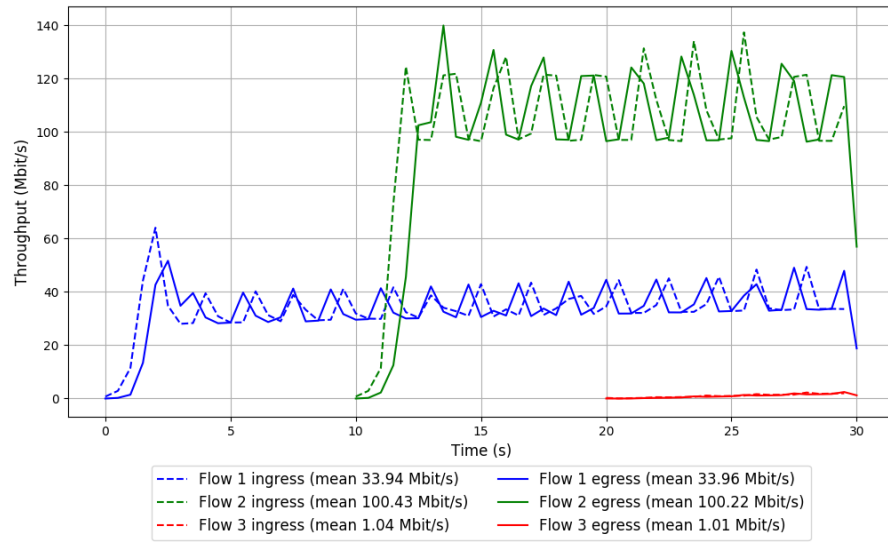
-- Flow 3:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 118.098 ms

Loss rate: 5.79%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 06:03:00

End at: 2018-07-25 06:03:30

Local clock offset: -0.055 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.18 Mbit/s

95th percentile per-packet one-way delay: 124.511 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 102.26 Mbit/s

95th percentile per-packet one-way delay: 125.066 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 39.22 Mbit/s

95th percentile per-packet one-way delay: 116.686 ms

Loss rate: 1.24%

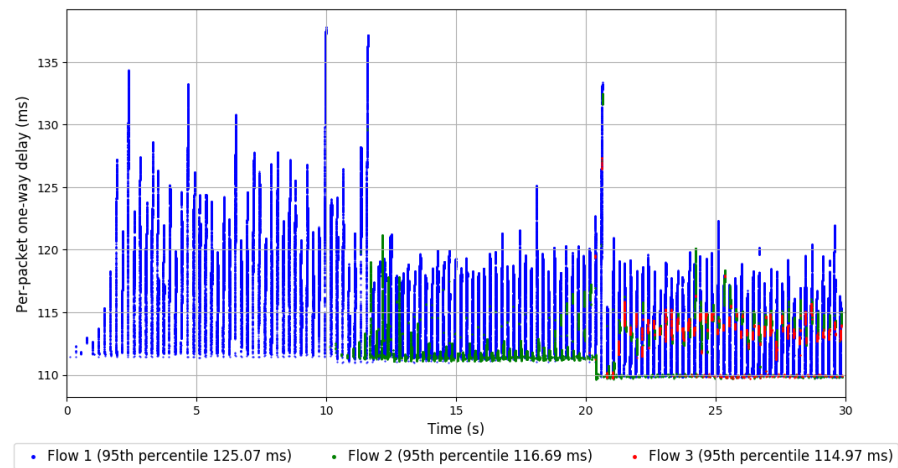
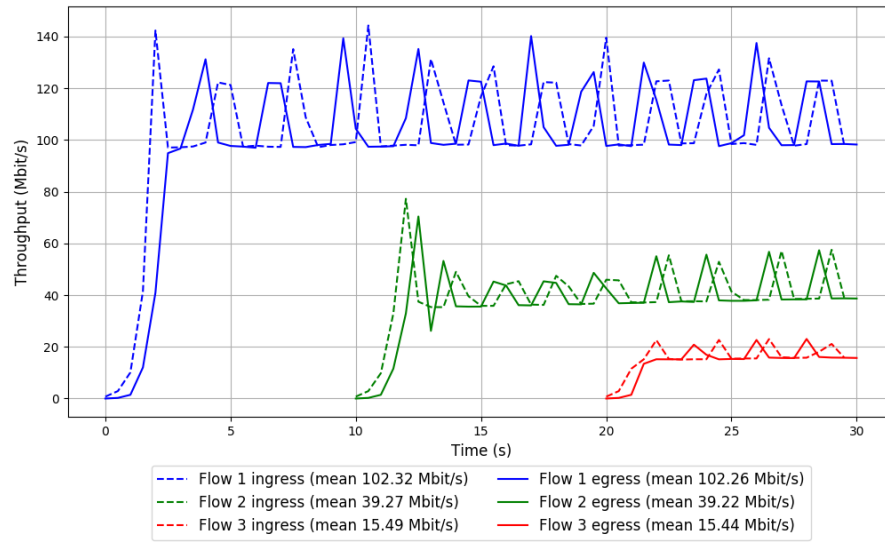
-- Flow 3:

Average throughput: 15.44 Mbit/s

95th percentile per-packet one-way delay: 114.975 ms

Loss rate: 2.55%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-25 01:49:58

End at: 2018-07-25 01:50:28

Local clock offset: 0.126 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-25 08:41:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 202.44 Mbit/s

95th percentile per-packet one-way delay: 159.286 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 127.24 Mbit/s

95th percentile per-packet one-way delay: 176.401 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 135.707 ms

Loss rate: 0.05%

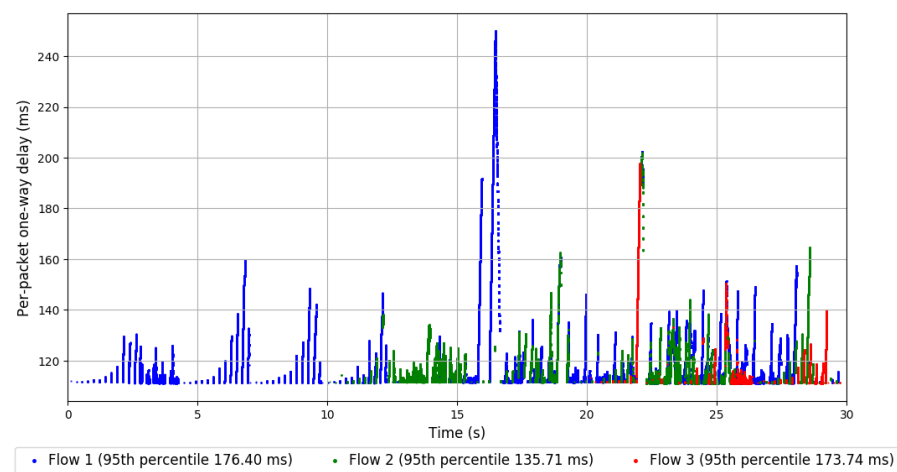
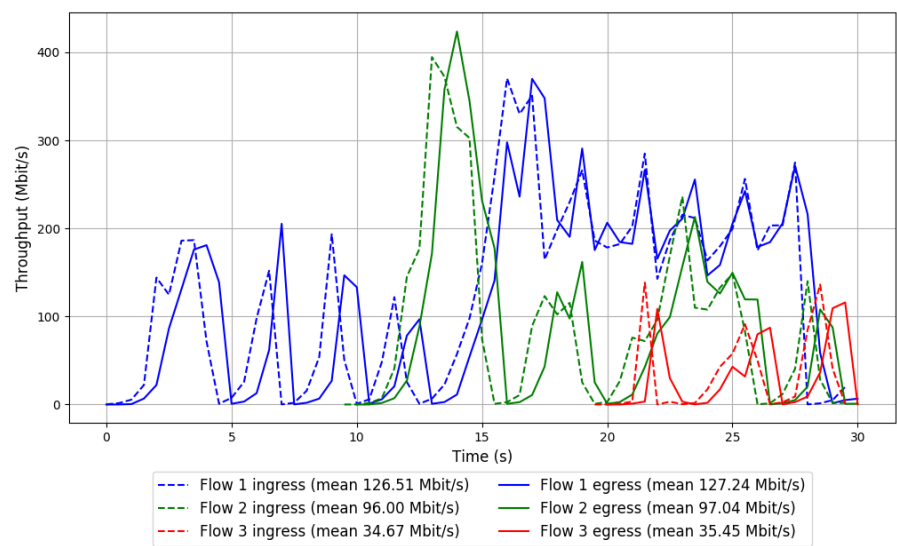
-- Flow 3:

Average throughput: 35.45 Mbit/s

95th percentile per-packet one-way delay: 173.736 ms

Loss rate: 0.09%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-25 02:16:24

End at: 2018-07-25 02:16:54

Local clock offset: 0.102 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-25 08:41:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.43 Mbit/s

95th percentile per-packet one-way delay: 211.842 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 120.37 Mbit/s

95th percentile per-packet one-way delay: 218.513 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 65.61 Mbit/s

95th percentile per-packet one-way delay: 201.221 ms

Loss rate: 0.75%

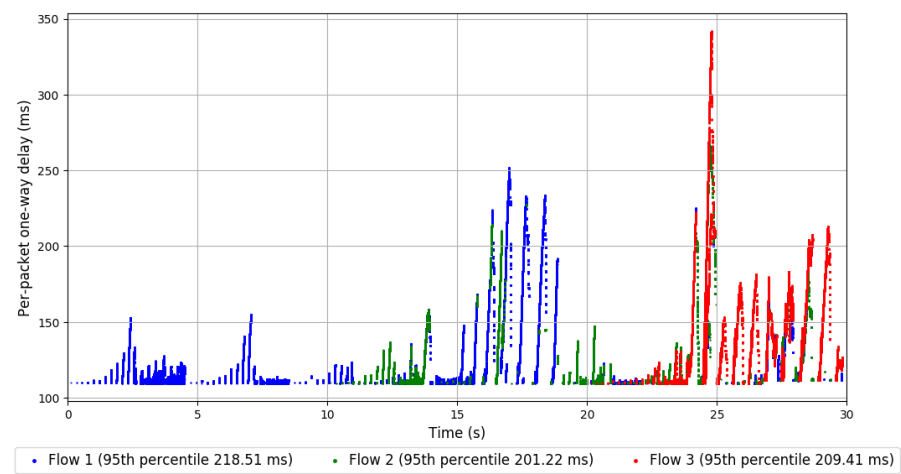
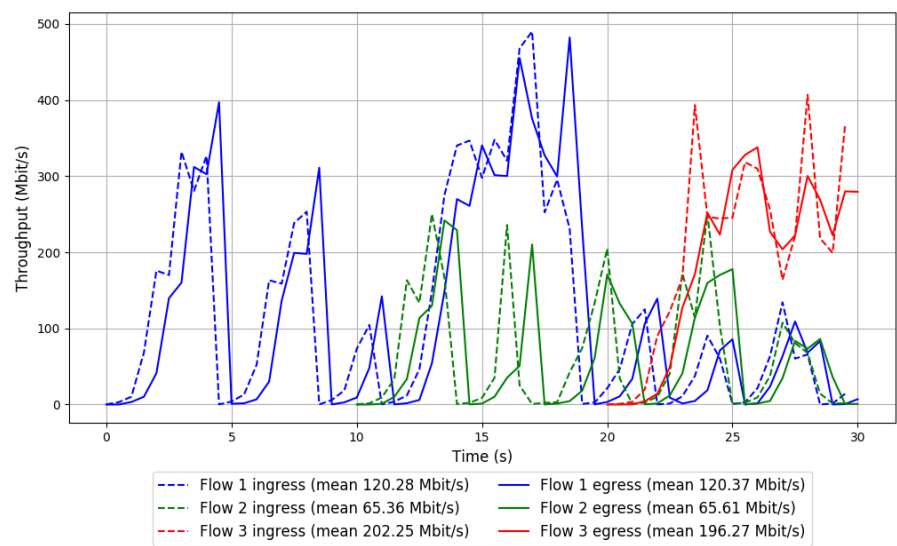
-- Flow 3:

Average throughput: 196.27 Mbit/s

95th percentile per-packet one-way delay: 209.407 ms

Loss rate: 4.43%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-25 02:42:49

End at: 2018-07-25 02:43:19

Local clock offset: -0.048 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-25 08:42:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.82 Mbit/s

95th percentile per-packet one-way delay: 312.862 ms

Loss rate: 4.49%

-- Flow 1:

Average throughput: 184.72 Mbit/s

95th percentile per-packet one-way delay: 318.173 ms

Loss rate: 4.47%

-- Flow 2:

Average throughput: 54.51 Mbit/s

95th percentile per-packet one-way delay: 217.654 ms

Loss rate: 2.86%

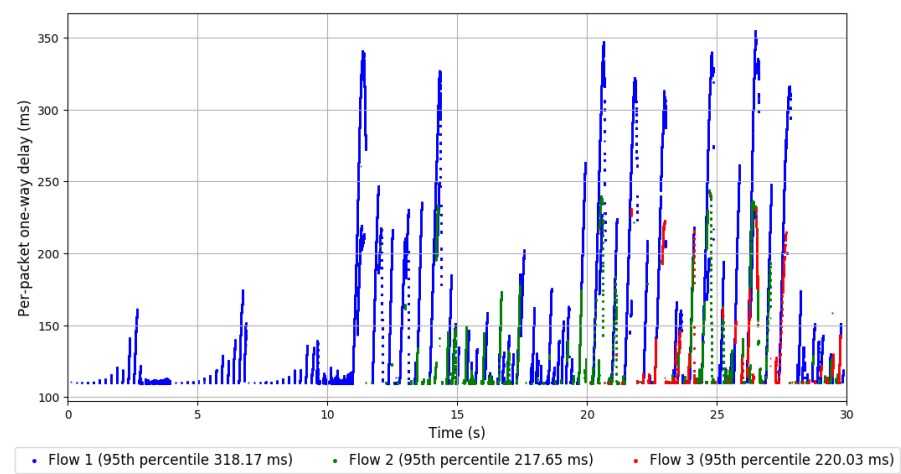
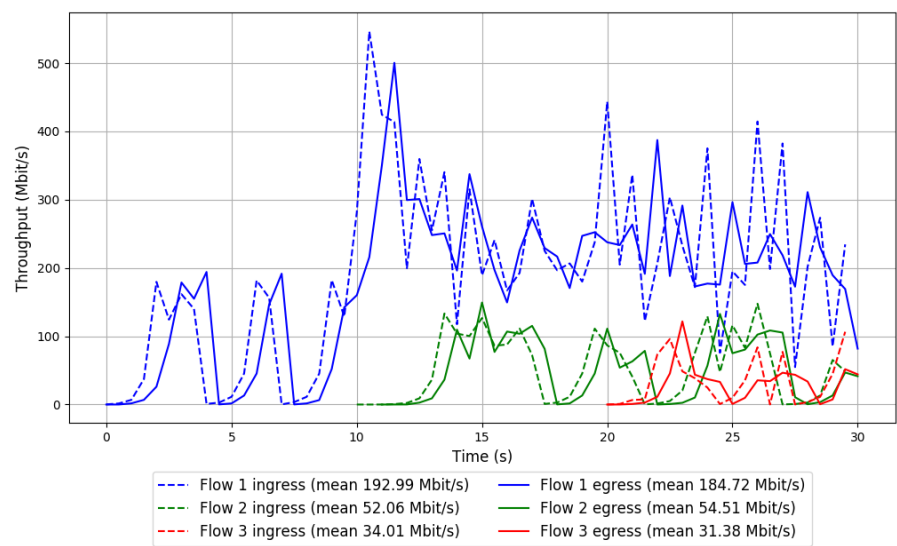
-- Flow 3:

Average throughput: 31.38 Mbit/s

95th percentile per-packet one-way delay: 220.030 ms

Loss rate: 9.75%

Run 3: Report of Verus — Data Link

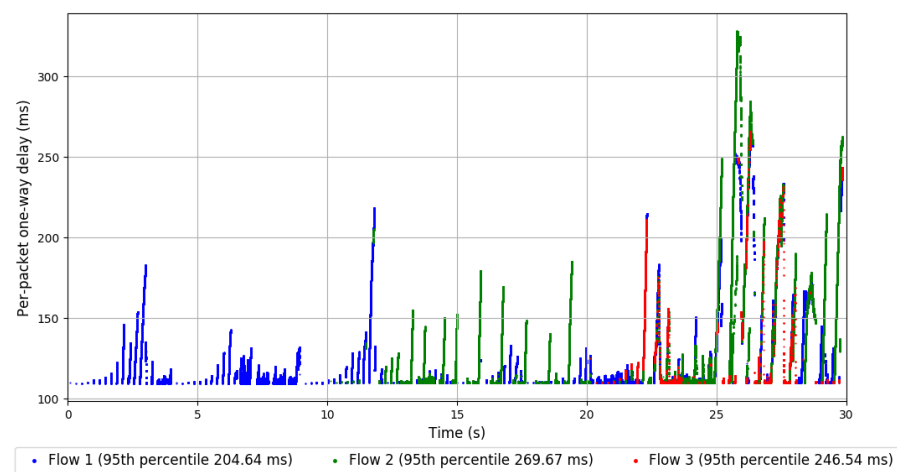
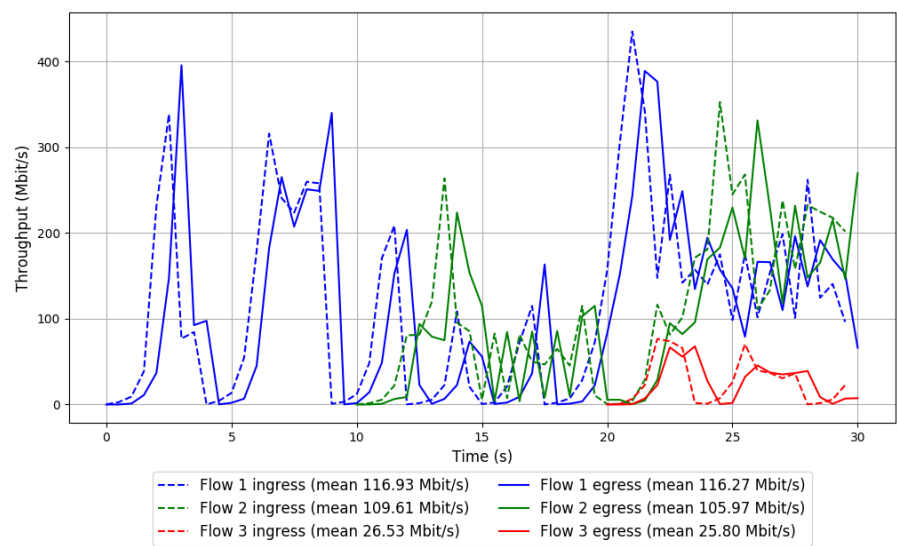


Run 4: Statistics of Verus

Start at: 2018-07-25 03:10:01
End at: 2018-07-25 03:10:31
Local clock offset: -0.054 ms
Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-07-25 08:42:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.97 Mbit/s
95th percentile per-packet one-way delay: 235.135 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 116.27 Mbit/s
95th percentile per-packet one-way delay: 204.636 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 105.97 Mbit/s
95th percentile per-packet one-way delay: 269.666 ms
Loss rate: 3.56%
-- Flow 3:
Average throughput: 25.80 Mbit/s
95th percentile per-packet one-way delay: 246.541 ms
Loss rate: 5.07%

Run 4: Report of Verus — Data Link

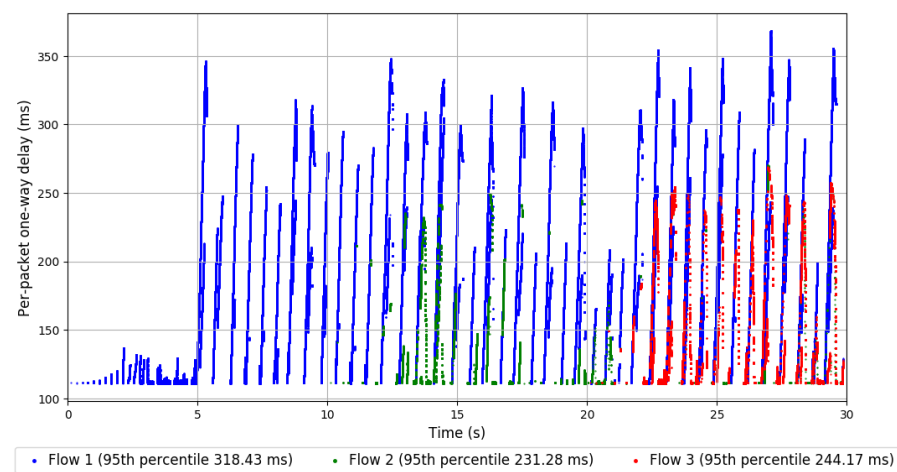
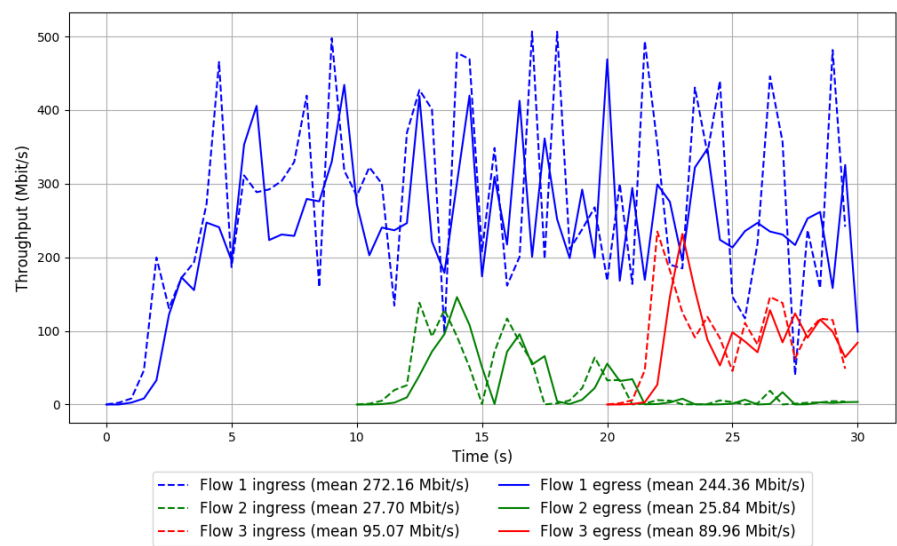


Run 5: Statistics of Verus

Start at: 2018-07-25 03:36:25
End at: 2018-07-25 03:36:55
Local clock offset: 1.253 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-25 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.92 Mbit/s
95th percentile per-packet one-way delay: 313.985 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 244.36 Mbit/s
95th percentile per-packet one-way delay: 318.430 ms
Loss rate: 10.46%
-- Flow 2:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 231.281 ms
Loss rate: 7.83%
-- Flow 3:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 244.167 ms
Loss rate: 5.88%

Run 5: Report of Verus — Data Link

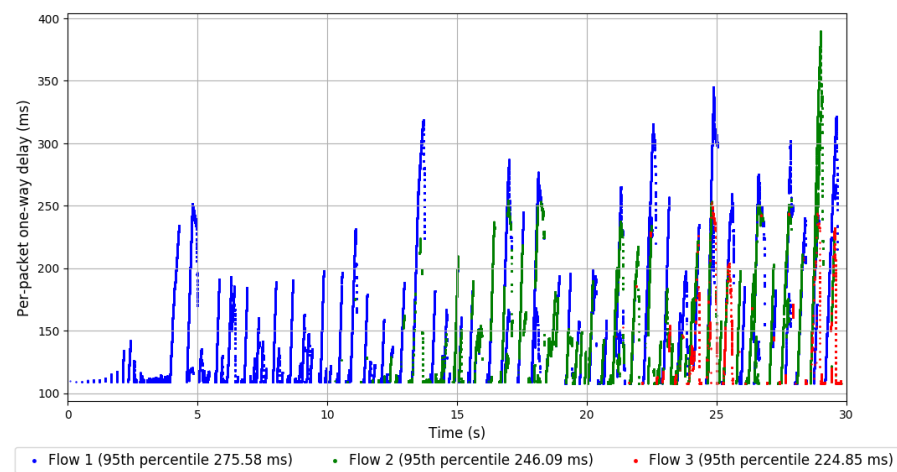
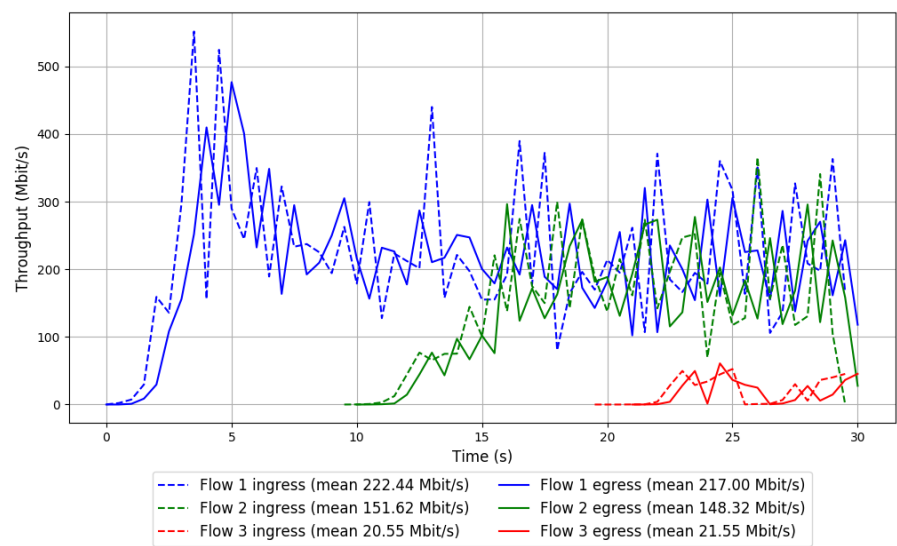


Run 6: Statistics of Verus

Start at: 2018-07-25 04:02:32
End at: 2018-07-25 04:03:02
Local clock offset: -1.257 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-25 08:44:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.62 Mbit/s
95th percentile per-packet one-way delay: 266.664 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 217.00 Mbit/s
95th percentile per-packet one-way delay: 275.578 ms
Loss rate: 3.58%
-- Flow 2:
Average throughput: 148.32 Mbit/s
95th percentile per-packet one-way delay: 246.092 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 224.854 ms
Loss rate: 8.60%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-25 04:29:02

End at: 2018-07-25 04:29:32

Local clock offset: 0.036 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-25 08:45:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.82 Mbit/s

95th percentile per-packet one-way delay: 243.018 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 204.31 Mbit/s

95th percentile per-packet one-way delay: 251.555 ms

Loss rate: 1.66%

-- Flow 2:

Average throughput: 45.91 Mbit/s

95th percentile per-packet one-way delay: 163.856 ms

Loss rate: 0.13%

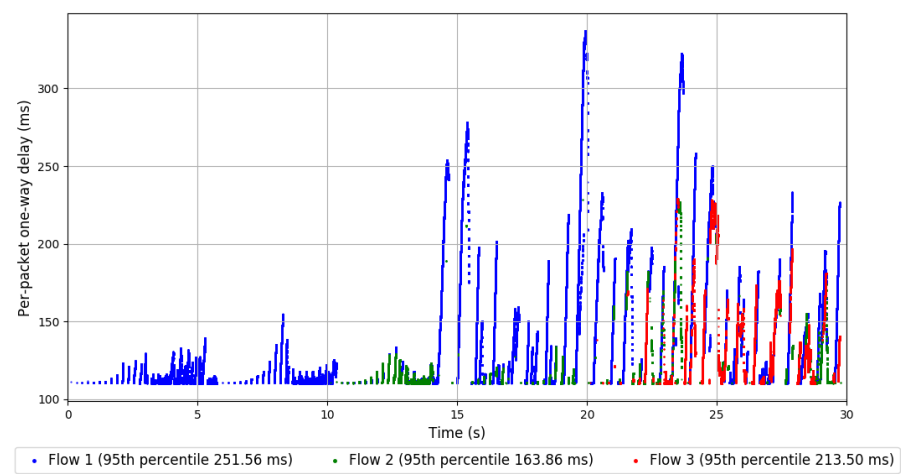
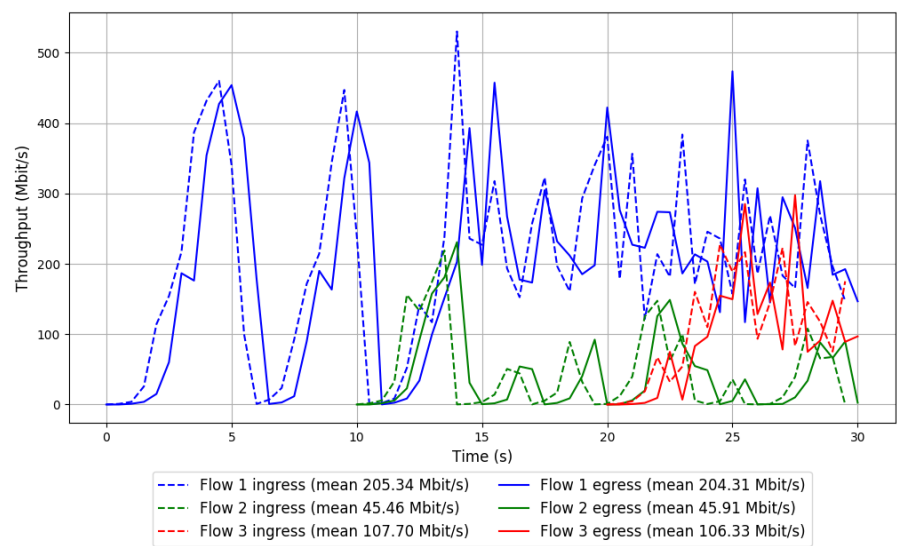
-- Flow 3:

Average throughput: 106.33 Mbit/s

95th percentile per-packet one-way delay: 213.499 ms

Loss rate: 4.66%

Run 7: Report of Verus — Data Link

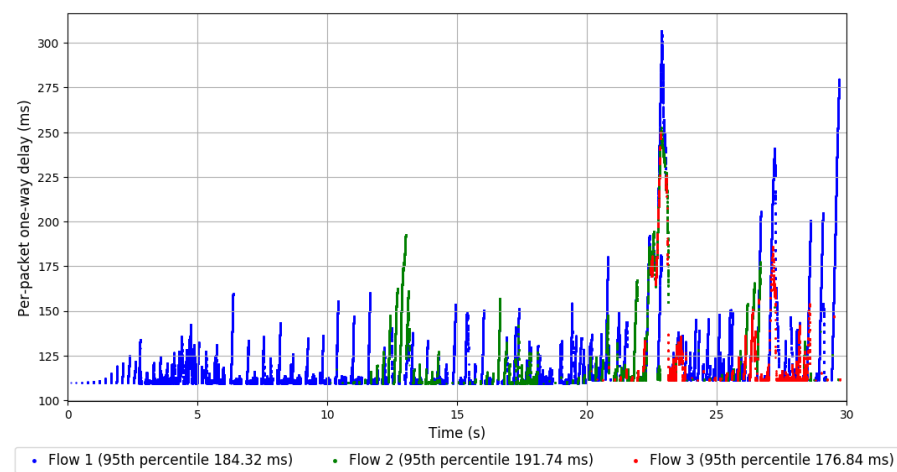
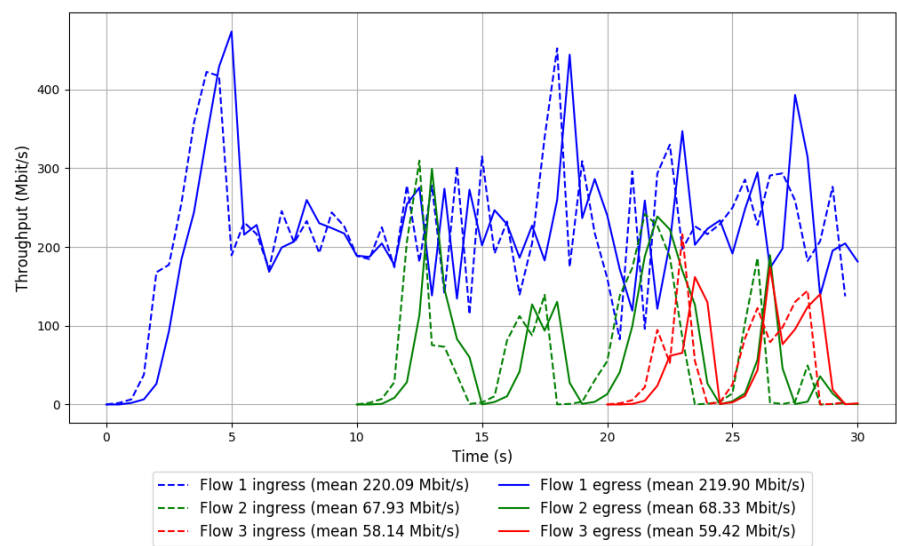


Run 8: Statistics of Verus

Start at: 2018-07-25 04:55:21
End at: 2018-07-25 04:55:51
Local clock offset: 0.135 ms
Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-25 08:46:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.05 Mbit/s
95th percentile per-packet one-way delay: 185.814 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 219.90 Mbit/s
95th percentile per-packet one-way delay: 184.325 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 191.737 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 176.839 ms
Loss rate: 0.17%

Run 8: Report of Verus — Data Link

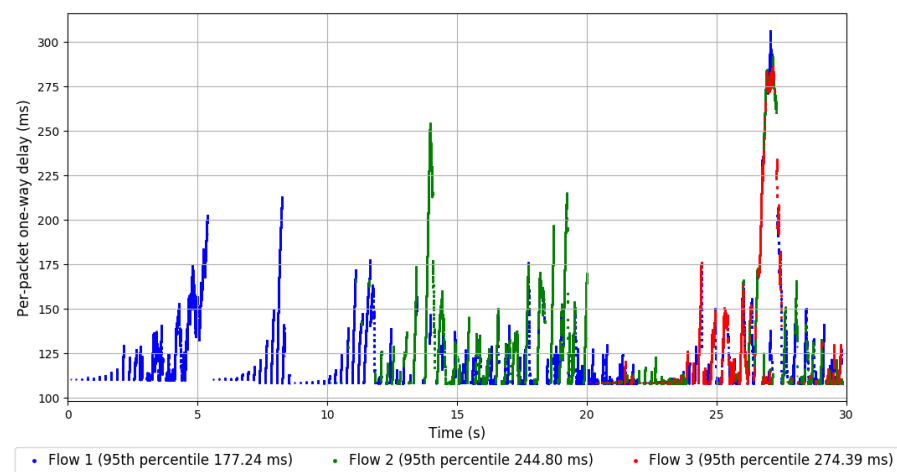
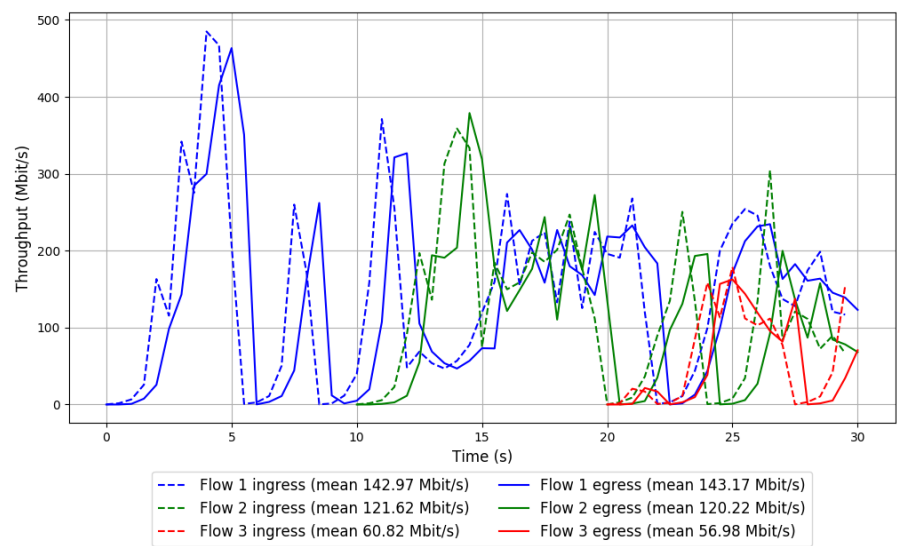


Run 9: Statistics of Verus

Start at: 2018-07-25 05:21:33
End at: 2018-07-25 05:22:03
Local clock offset: -1.394 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-25 08:46:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.19 Mbit/s
95th percentile per-packet one-way delay: 202.271 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 143.17 Mbit/s
95th percentile per-packet one-way delay: 177.238 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 120.22 Mbit/s
95th percentile per-packet one-way delay: 244.800 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 274.386 ms
Loss rate: 8.57%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-25 05:48:09

End at: 2018-07-25 05:48:39

Local clock offset: 0.045 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-25 08:46:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 237.51 Mbit/s

95th percentile per-packet one-way delay: 212.655 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 176.68 Mbit/s

95th percentile per-packet one-way delay: 217.306 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 47.69 Mbit/s

95th percentile per-packet one-way delay: 200.024 ms

Loss rate: 0.00%

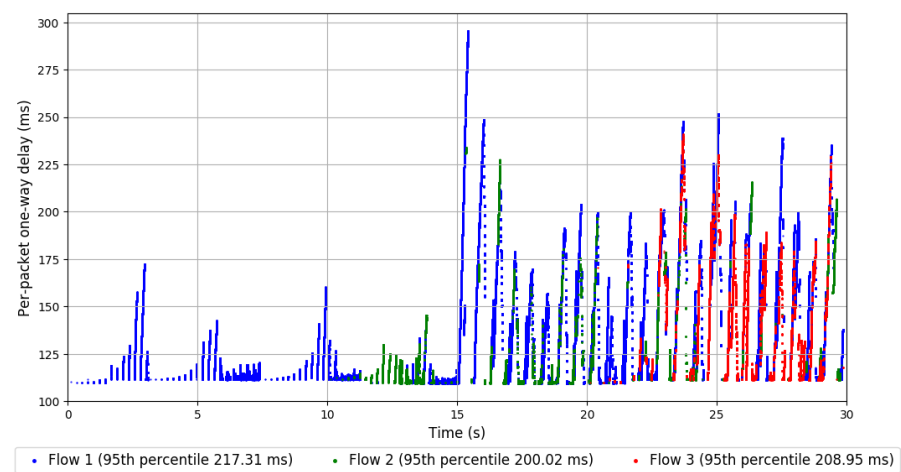
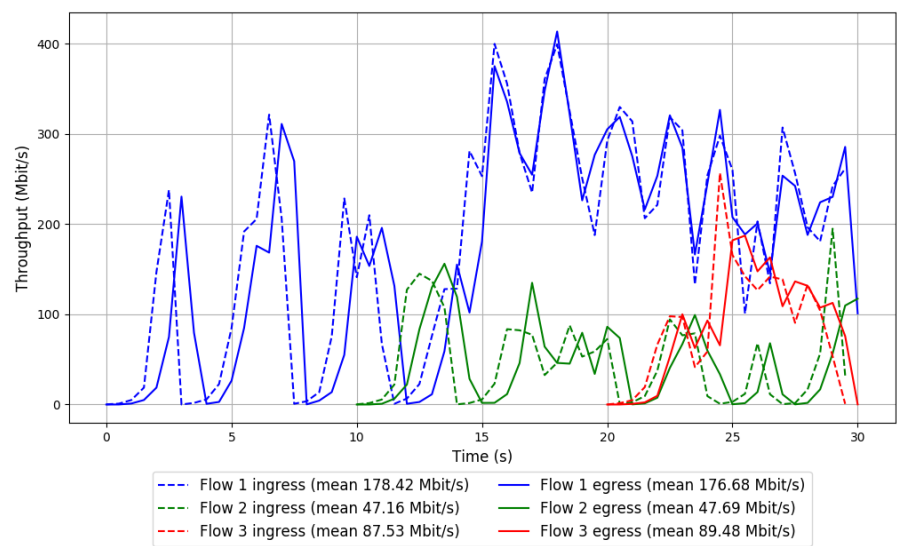
-- Flow 3:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 208.951 ms

Loss rate: 0.03%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 01:58:06

End at: 2018-07-25 01:58:36

Local clock offset: -0.033 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-07-25 08:51:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 569.04 Mbit/s

95th percentile per-packet one-way delay: 115.888 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 328.54 Mbit/s

95th percentile per-packet one-way delay: 118.242 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 298.90 Mbit/s

95th percentile per-packet one-way delay: 113.830 ms

Loss rate: 1.32%

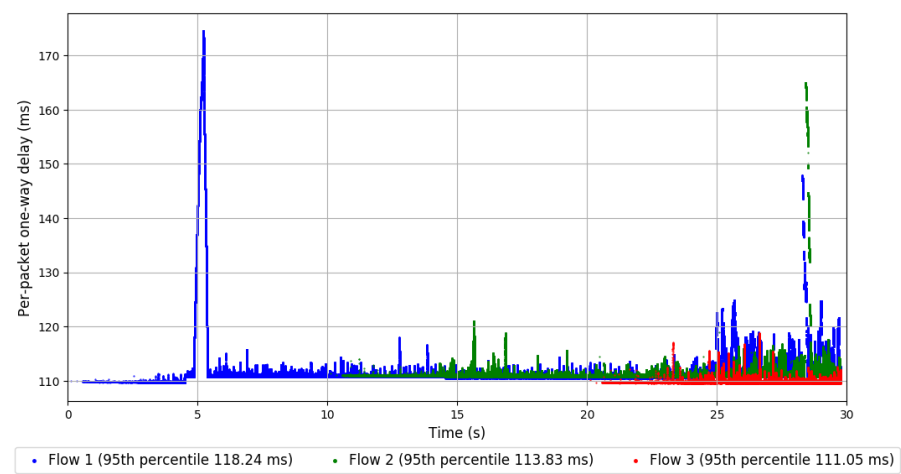
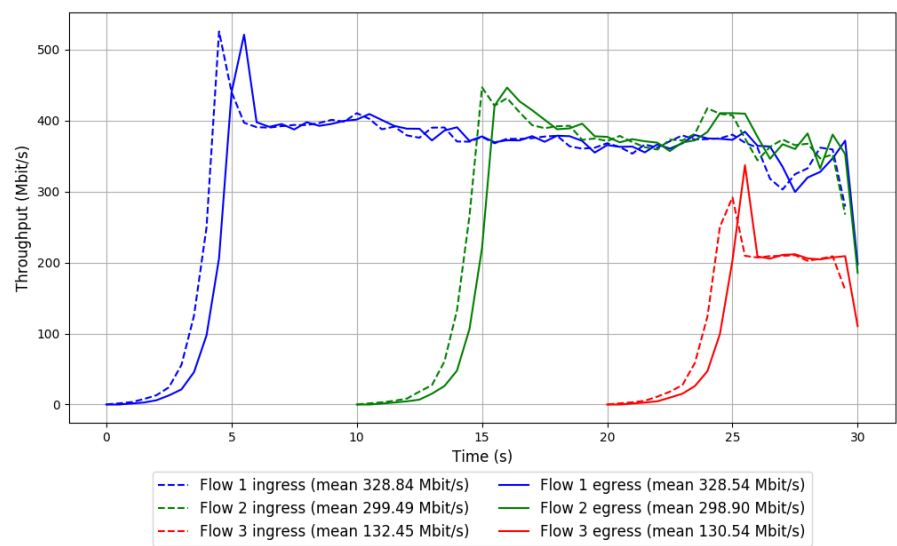
-- Flow 3:

Average throughput: 130.54 Mbit/s

95th percentile per-packet one-way delay: 111.054 ms

Loss rate: 3.64%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 02:24:27

End at: 2018-07-25 02:24:57

Local clock offset: -1.193 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-25 08:51:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 520.46 Mbit/s

95th percentile per-packet one-way delay: 147.170 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 285.76 Mbit/s

95th percentile per-packet one-way delay: 120.244 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 246.47 Mbit/s

95th percentile per-packet one-way delay: 130.531 ms

Loss rate: 1.38%

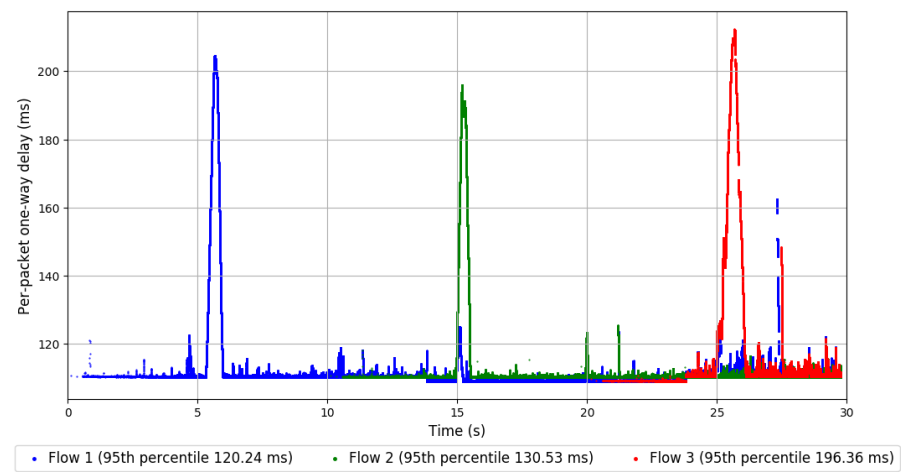
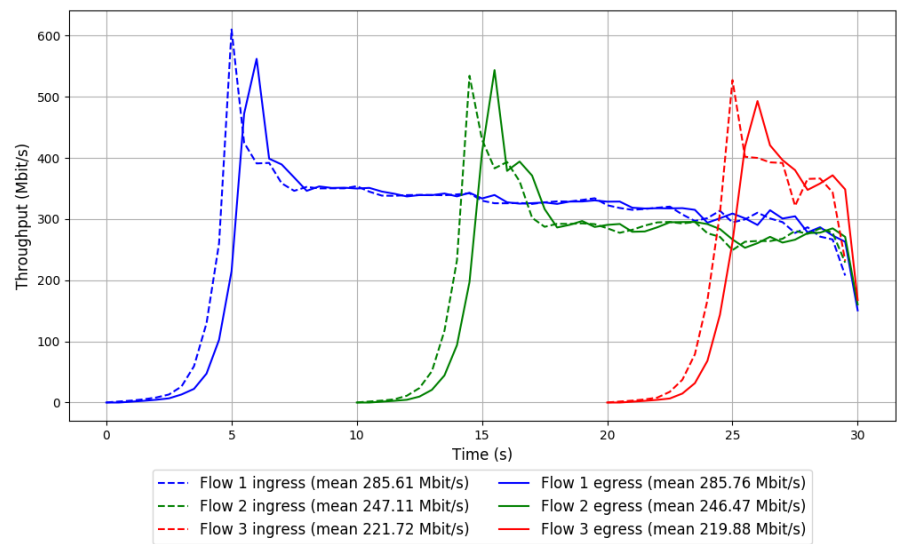
-- Flow 3:

Average throughput: 219.88 Mbit/s

95th percentile per-packet one-way delay: 196.364 ms

Loss rate: 3.07%

Run 2: Report of PCC-Vivace — Data Link

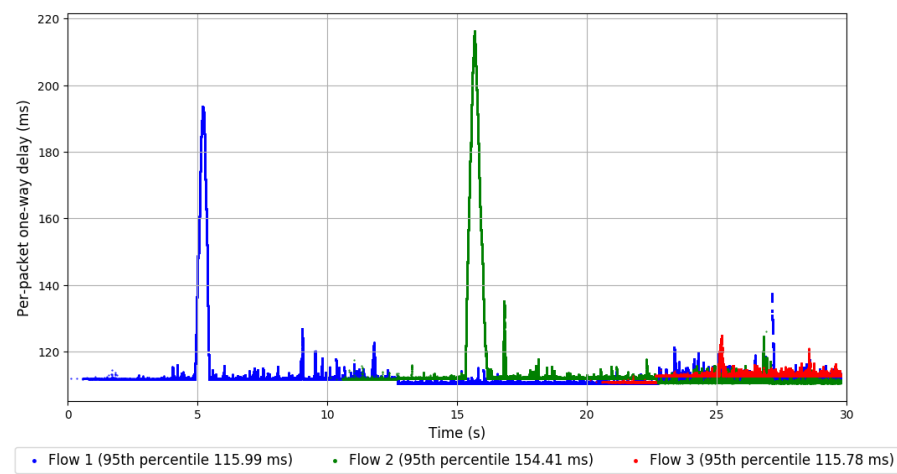
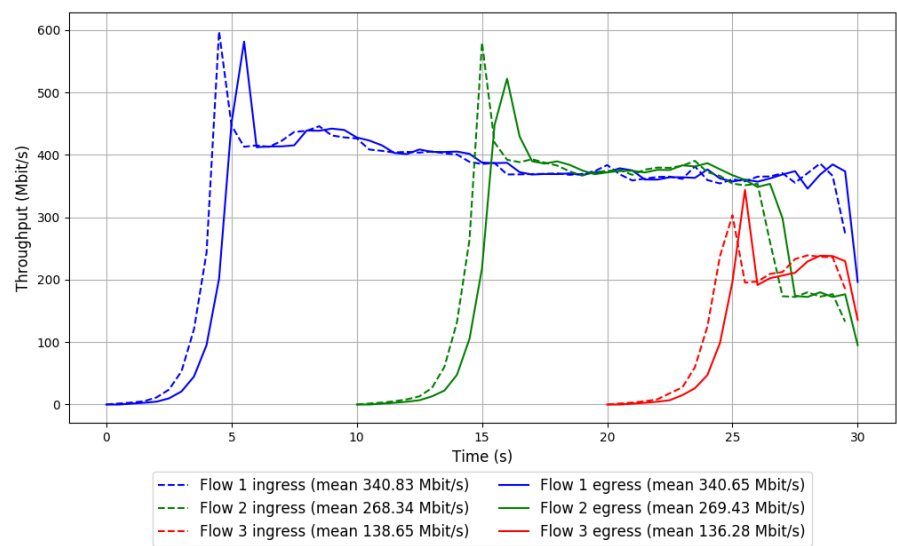


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 02:50:58
End at: 2018-07-25 02:51:28
Local clock offset: 0.194 ms
Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-07-25 08:53:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 563.43 Mbit/s
95th percentile per-packet one-way delay: 119.575 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 340.65 Mbit/s
95th percentile per-packet one-way delay: 115.991 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 269.43 Mbit/s
95th percentile per-packet one-way delay: 154.411 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 136.28 Mbit/s
95th percentile per-packet one-way delay: 115.780 ms
Loss rate: 3.93%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 03:18:11

End at: 2018-07-25 03:18:41

Local clock offset: 0.03 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-25 08:55:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 590.51 Mbit/s

95th percentile per-packet one-way delay: 119.013 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 341.03 Mbit/s

95th percentile per-packet one-way delay: 123.368 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 314.81 Mbit/s

95th percentile per-packet one-way delay: 114.178 ms

Loss rate: 1.45%

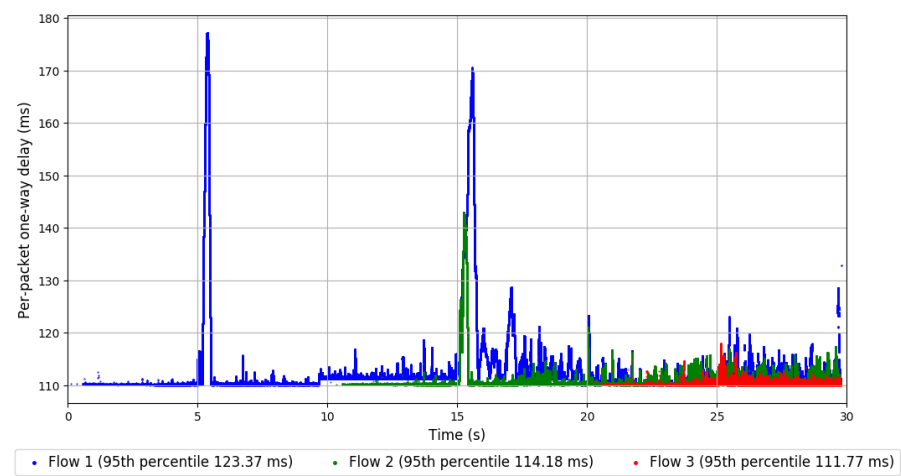
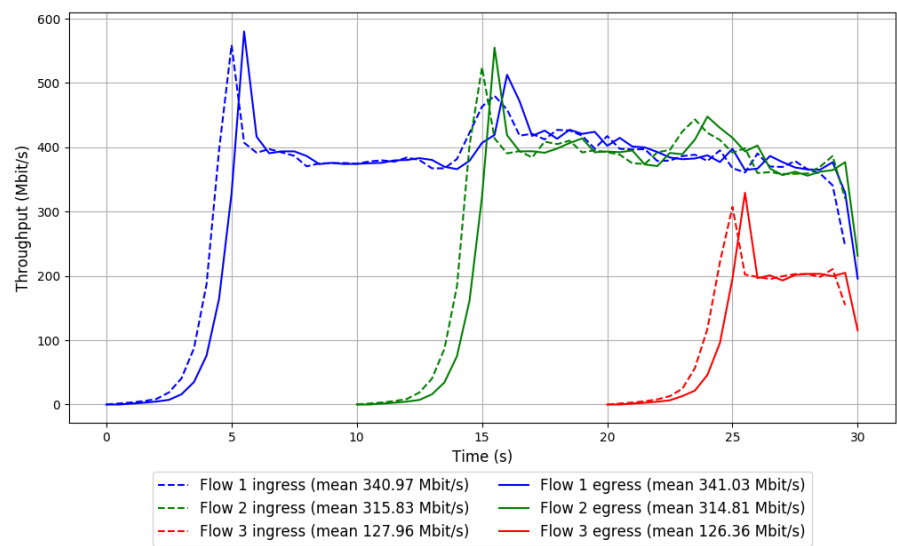
-- Flow 3:

Average throughput: 126.36 Mbit/s

95th percentile per-packet one-way delay: 111.771 ms

Loss rate: 3.50%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 03:44:38

End at: 2018-07-25 03:45:08

Local clock offset: -0.121 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-07-25 08:55:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 571.21 Mbit/s

95th percentile per-packet one-way delay: 144.027 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 338.71 Mbit/s

95th percentile per-packet one-way delay: 182.188 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 283.16 Mbit/s

95th percentile per-packet one-way delay: 118.084 ms

Loss rate: 1.74%

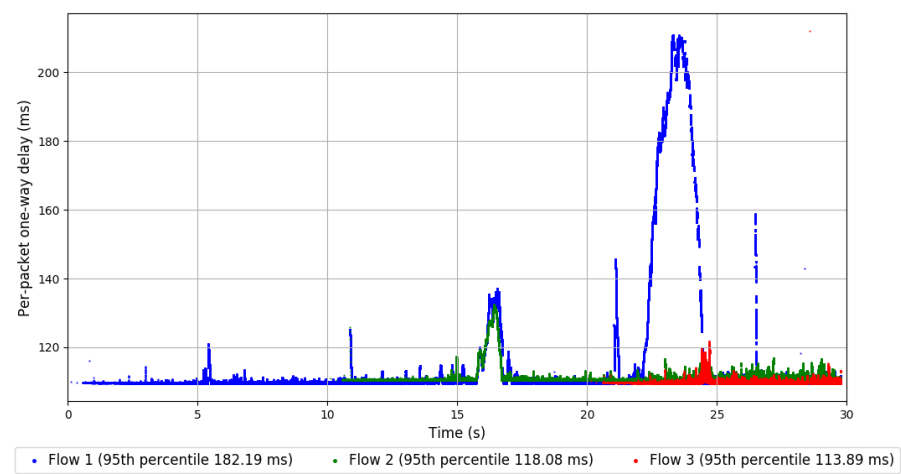
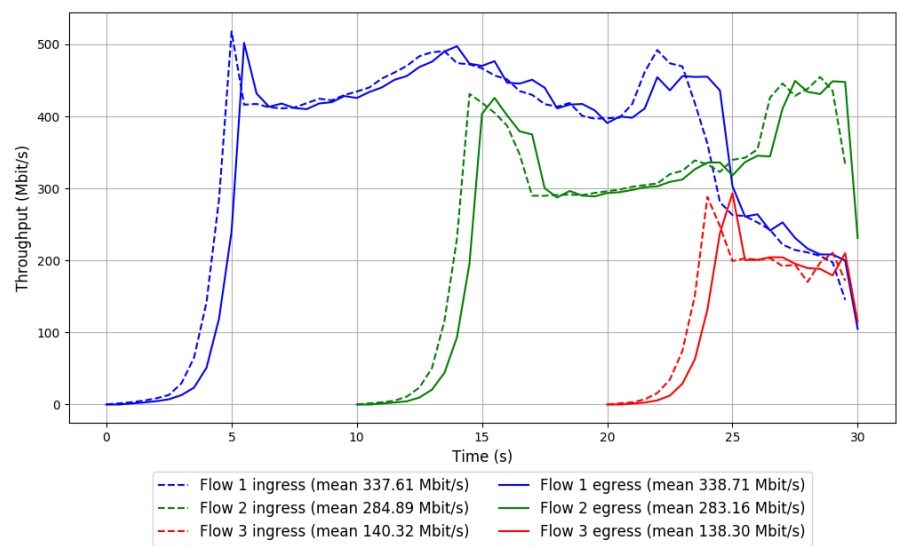
-- Flow 3:

Average throughput: 138.30 Mbit/s

95th percentile per-packet one-way delay: 113.887 ms

Loss rate: 3.67%

Run 5: Report of PCC-Vivace — Data Link

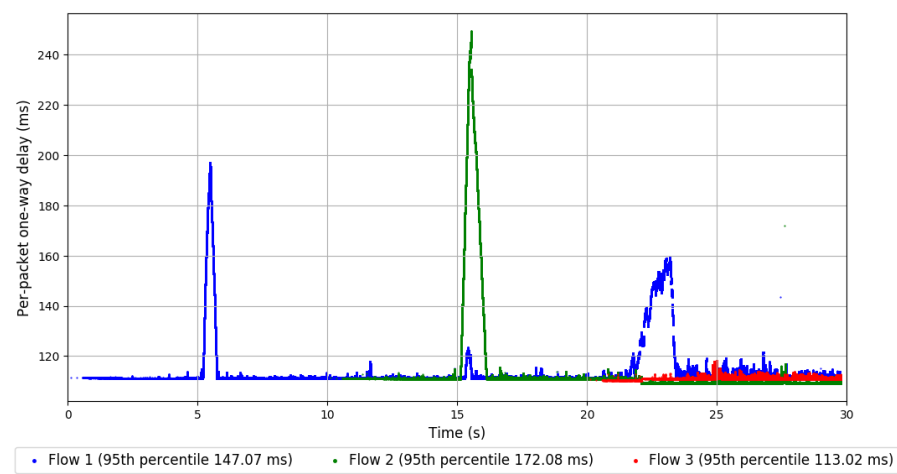
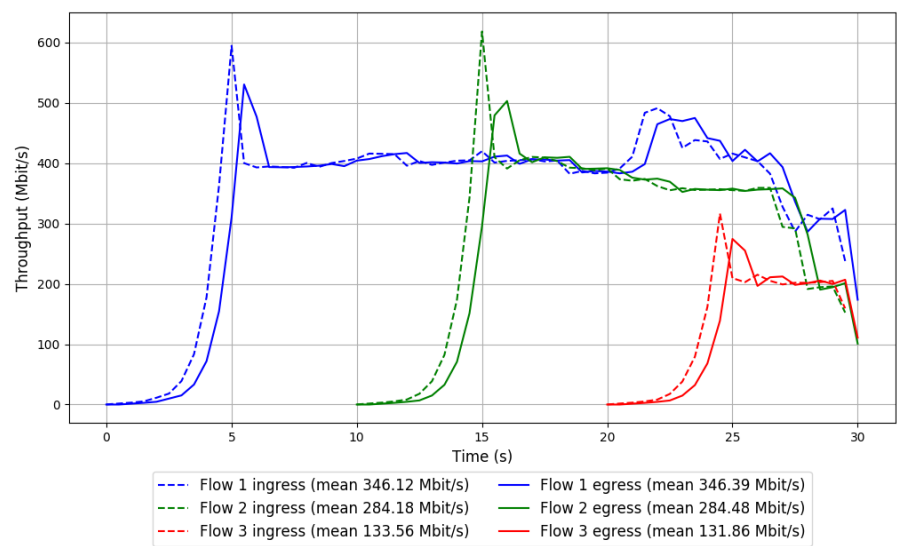


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 04:10:48
End at: 2018-07-25 04:11:18
Local clock offset: 0.031 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-25 08:55:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 577.73 Mbit/s
95th percentile per-packet one-way delay: 147.647 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 346.39 Mbit/s
95th percentile per-packet one-way delay: 147.067 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 284.48 Mbit/s
95th percentile per-packet one-way delay: 172.079 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 131.86 Mbit/s
95th percentile per-packet one-way delay: 113.018 ms
Loss rate: 3.51%

Run 6: Report of PCC-Vivace — Data Link

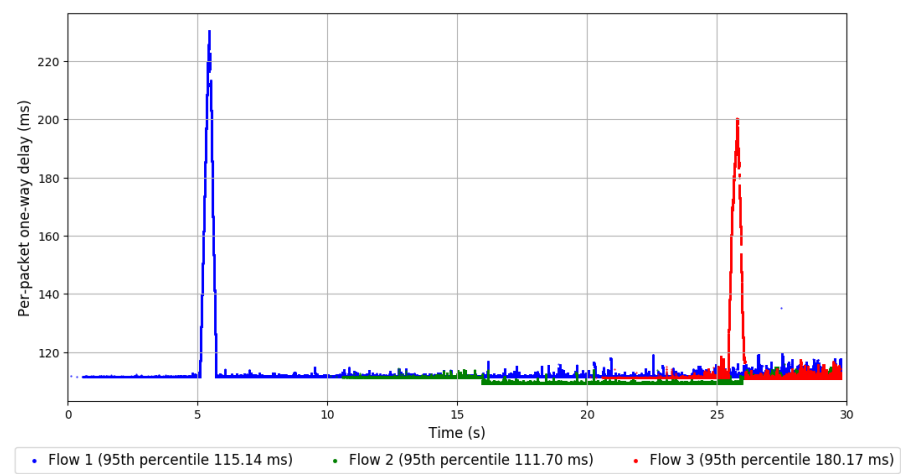
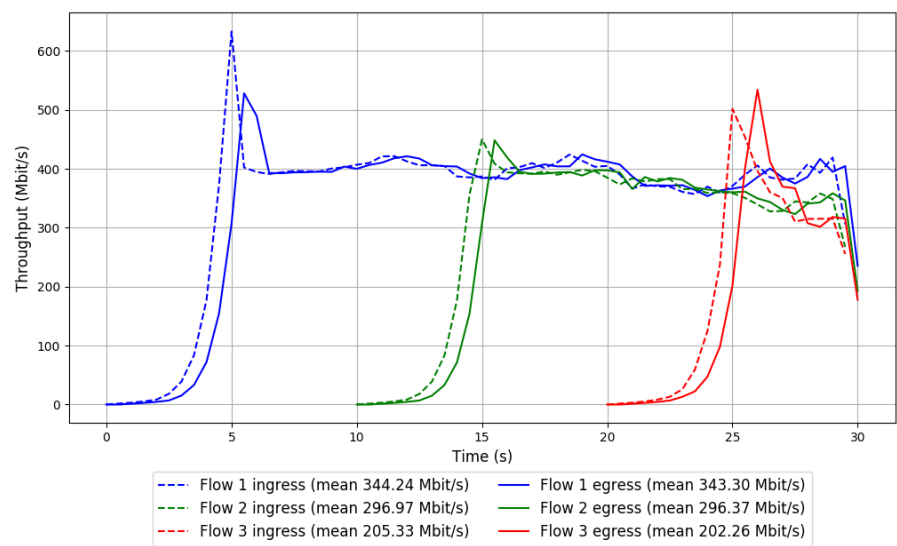


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 04:37:15
End at: 2018-07-25 04:37:45
Local clock offset: -0.057 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-07-25 08:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.41 Mbit/s
95th percentile per-packet one-way delay: 114.906 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 343.30 Mbit/s
95th percentile per-packet one-way delay: 115.140 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 296.37 Mbit/s
95th percentile per-packet one-way delay: 111.704 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 202.26 Mbit/s
95th percentile per-packet one-way delay: 180.174 ms
Loss rate: 3.71%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 05:03:37

End at: 2018-07-25 05:04:07

Local clock offset: 0.188 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-07-25 08:56:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 547.69 Mbit/s

95th percentile per-packet one-way delay: 130.327 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 319.23 Mbit/s

95th percentile per-packet one-way delay: 166.435 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 284.01 Mbit/s

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

Loss rate: 1.22%

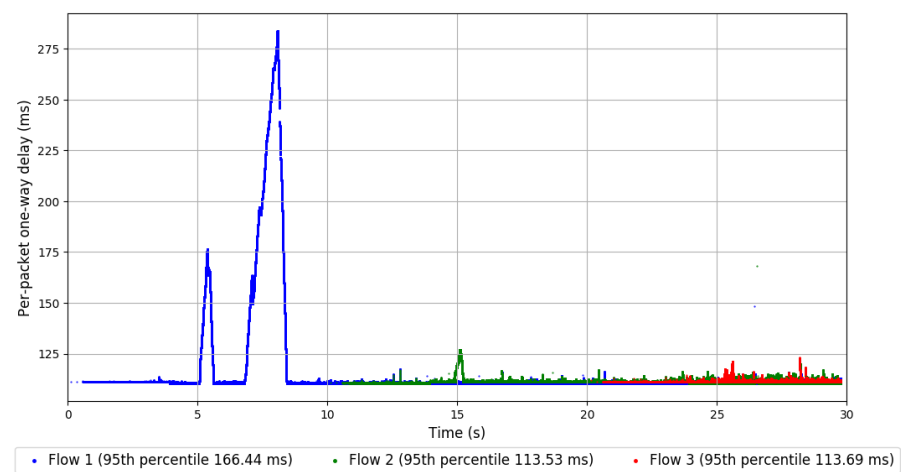
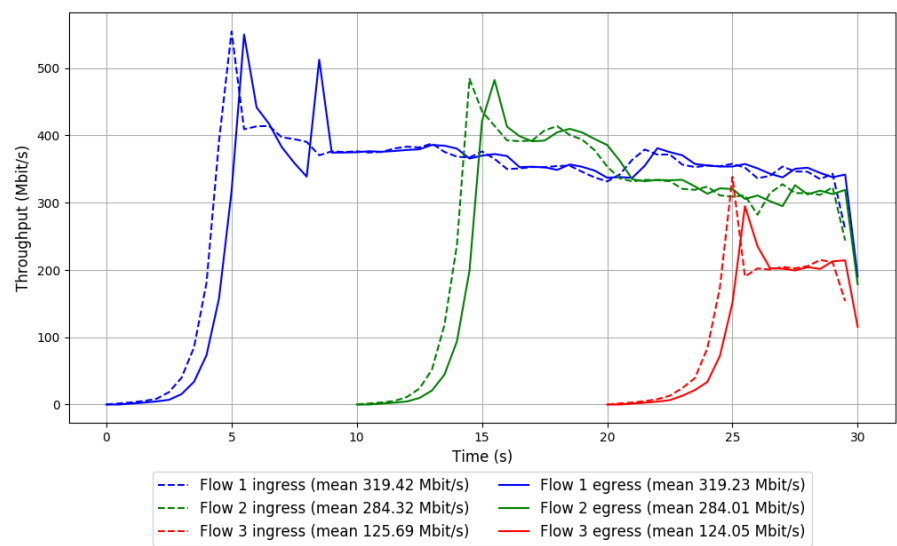
-- Flow 3:

Average throughput: 124.05 Mbit/s

95th percentile per-packet one-way delay: 113.691 ms

Loss rate: 3.53%

Run 8: Report of PCC-Vivace — Data Link

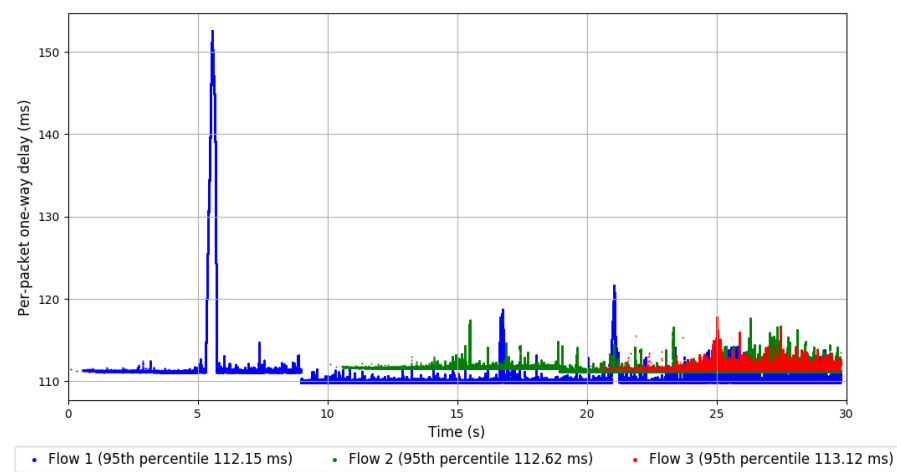
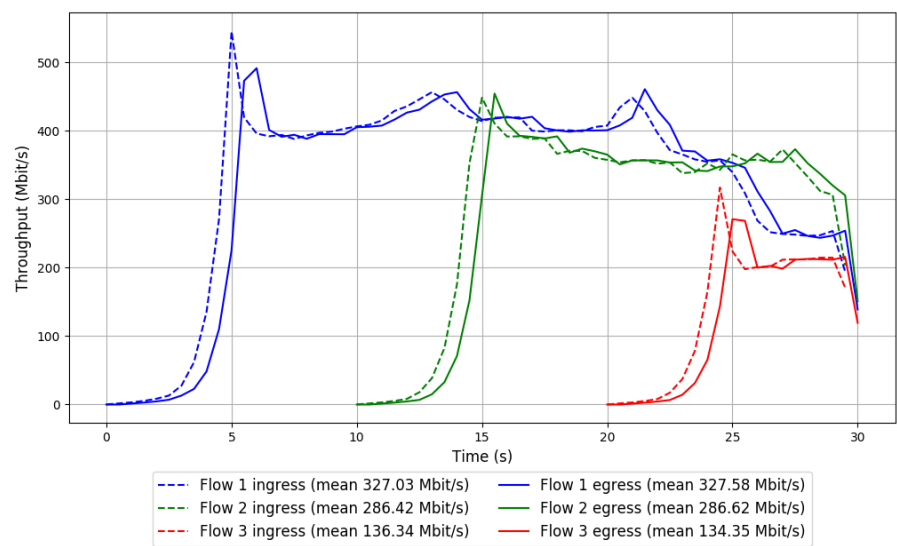


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 05:29:52
End at: 2018-07-25 05:30:22
Local clock offset: 0.188 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-25 08:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 561.18 Mbit/s
95th percentile per-packet one-way delay: 112.578 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 327.58 Mbit/s
95th percentile per-packet one-way delay: 112.149 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 286.62 Mbit/s
95th percentile per-packet one-way delay: 112.623 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 134.35 Mbit/s
95th percentile per-packet one-way delay: 113.119 ms
Loss rate: 3.69%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 05:56:18

End at: 2018-07-25 05:56:48

Local clock offset: -0.009 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-07-25 08:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.01 Mbit/s

95th percentile per-packet one-way delay: 159.554 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 259.61 Mbit/s

95th percentile per-packet one-way delay: 181.591 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 292.81 Mbit/s

95th percentile per-packet one-way delay: 138.484 ms

Loss rate: 1.65%

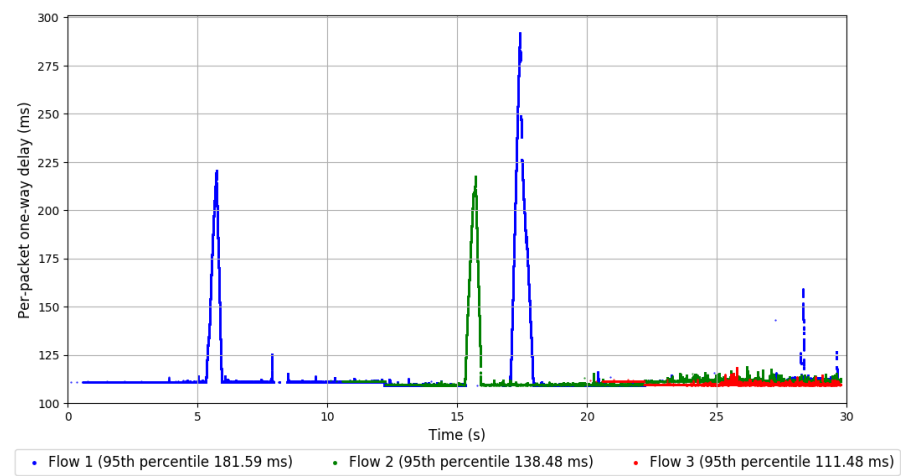
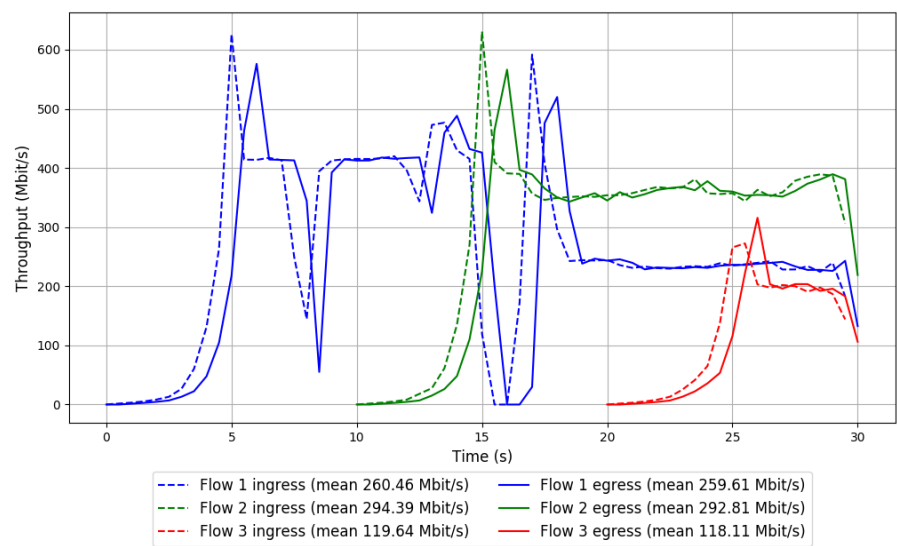
-- Flow 3:

Average throughput: 118.11 Mbit/s

95th percentile per-packet one-way delay: 111.485 ms

Loss rate: 3.55%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-25 01:56:53

End at: 2018-07-25 01:57:23

Local clock offset: 0.265 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-25 08:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 111.828 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 111.773 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 111.843 ms

Loss rate: 1.32%

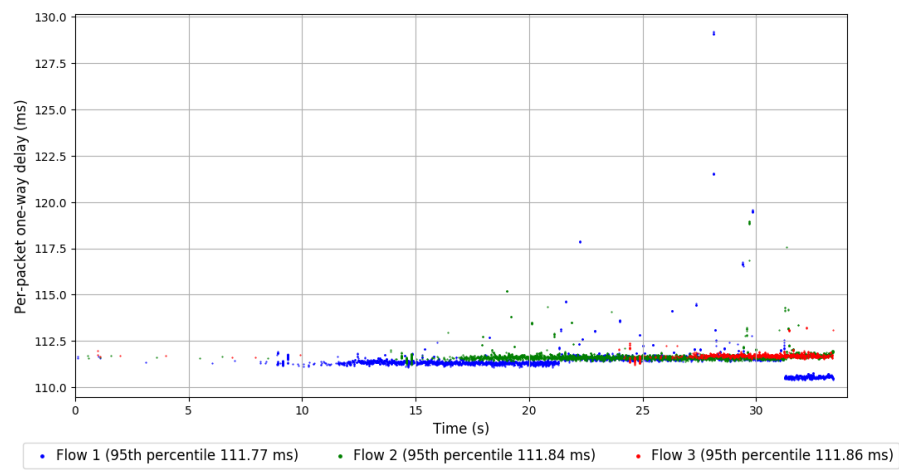
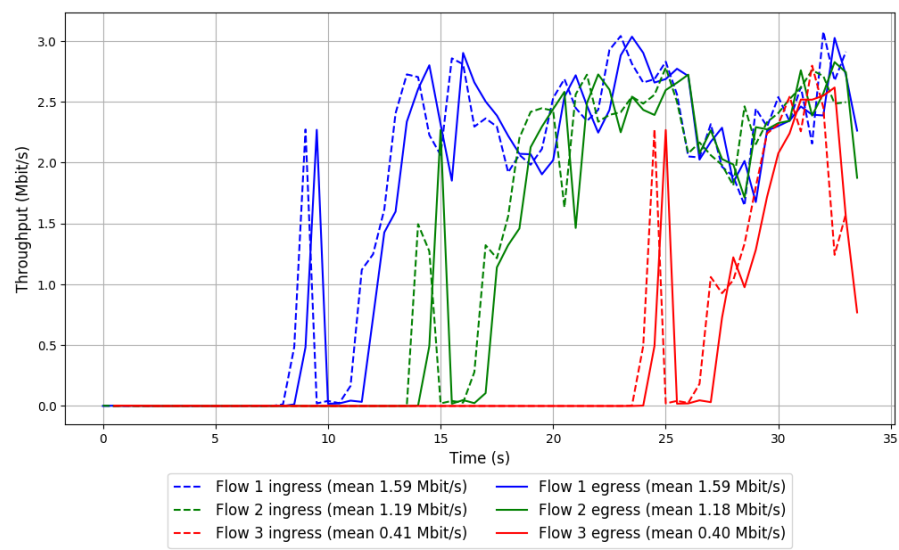
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 111.863 ms

Loss rate: 3.64%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 02:23:13

End at: 2018-07-25 02:23:43

Local clock offset: 0.097 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-25 08:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 111.648 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.536 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 111.715 ms

Loss rate: 1.62%

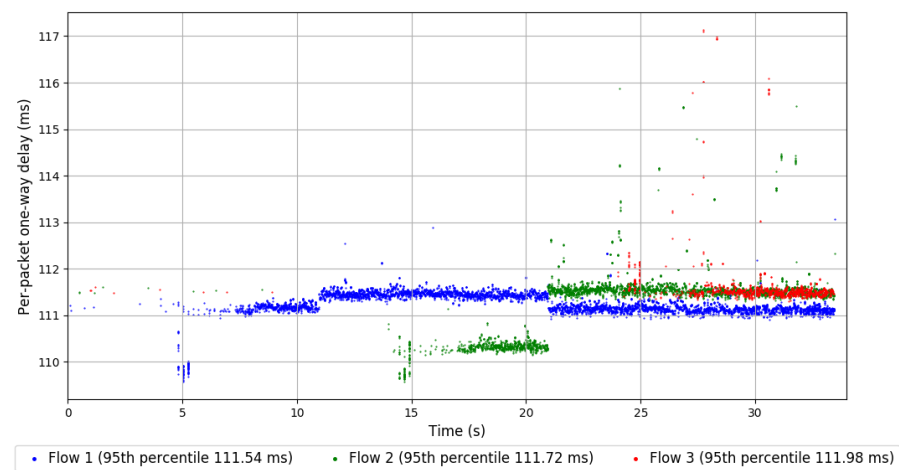
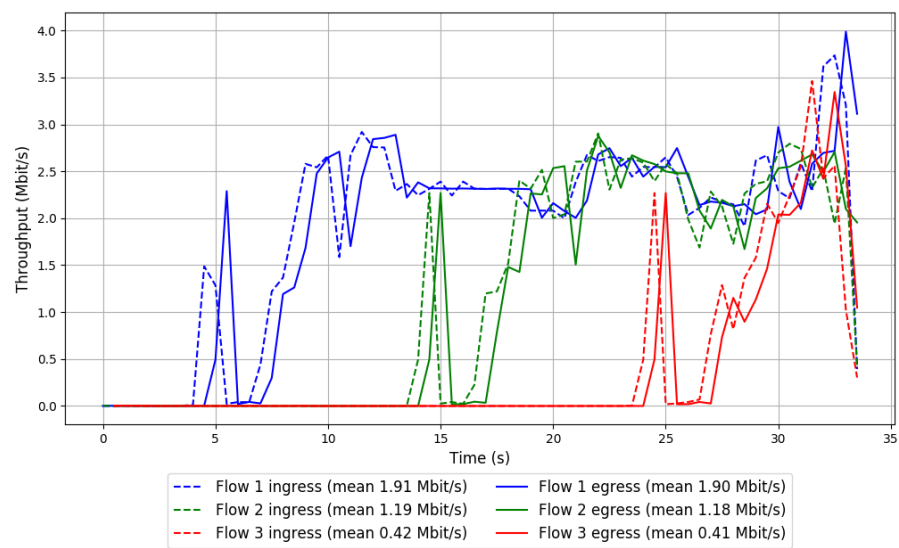
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.981 ms

Loss rate: 3.01%

Run 2: Report of WebRTC media — Data Link

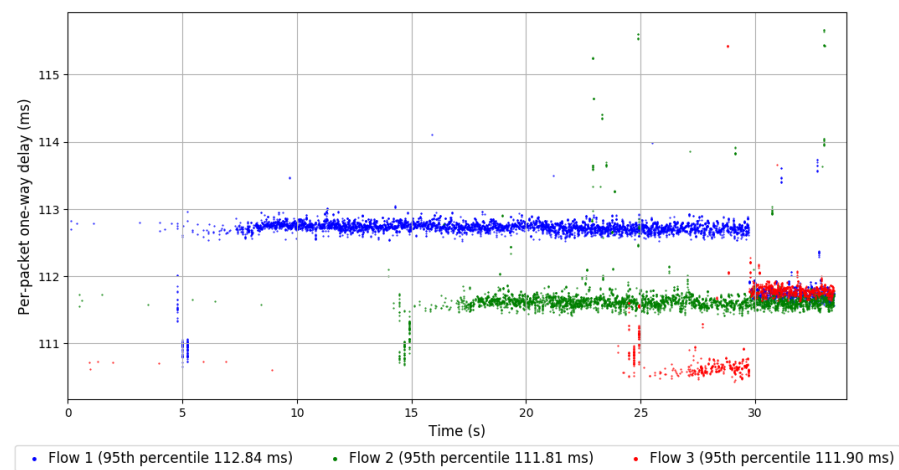
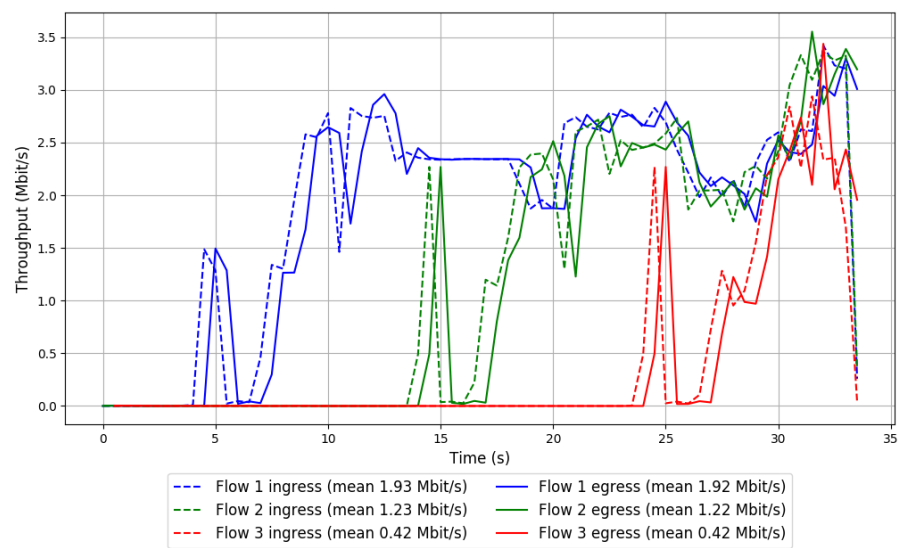


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 02:49:44
End at: 2018-07-25 02:50:14
Local clock offset: 0.052 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-25 08:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 112.820 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 112.840 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 111.805 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.898 ms
Loss rate: 0.49%

Run 3: Report of WebRTC media — Data Link

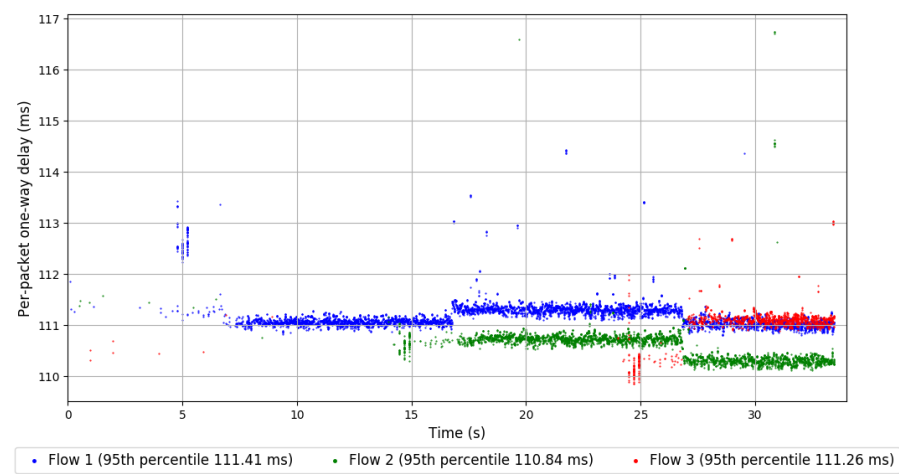
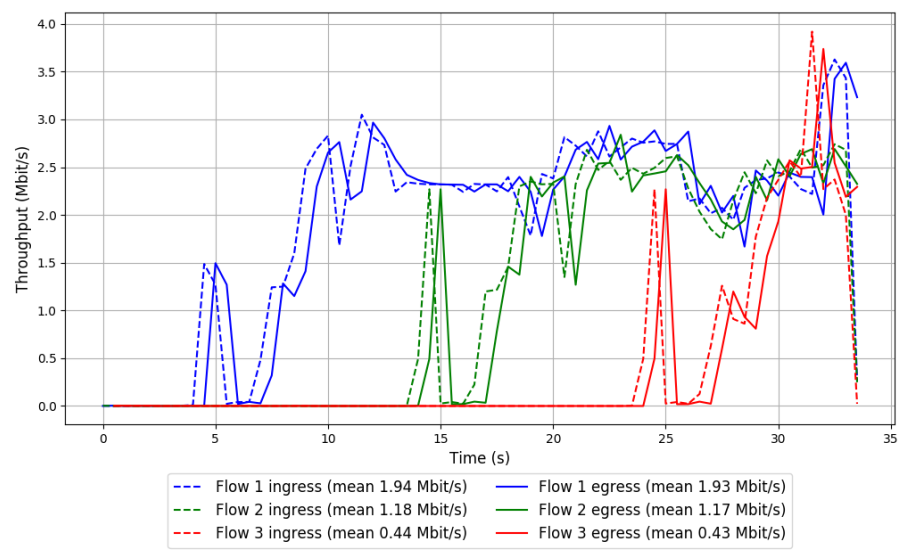


Run 4: Statistics of WebRTC media

Start at: 2018-07-25 03:16:57
End at: 2018-07-25 03:17:27
Local clock offset: 0.048 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-25 08:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 111.373 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 111.413 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 110.840 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.261 ms
Loss rate: 0.92%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-25 03:43:24

End at: 2018-07-25 03:43:54

Local clock offset: -0.144 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-07-25 08:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 111.033 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 111.056 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 111.008 ms

Loss rate: 1.60%

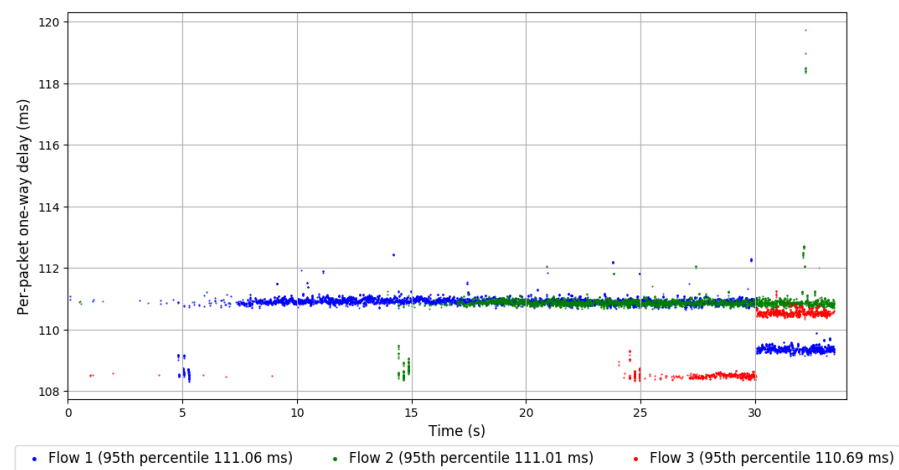
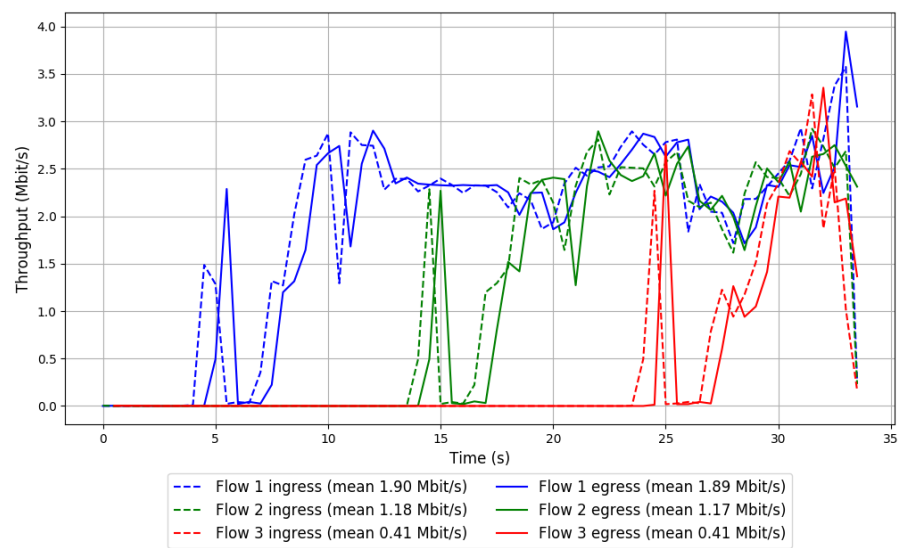
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 110.691 ms

Loss rate: 1.87%

Run 5: Report of WebRTC media — Data Link

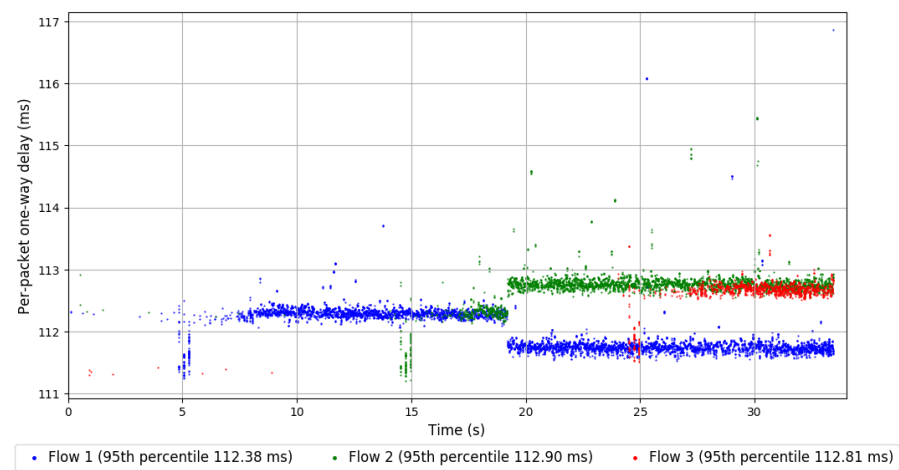
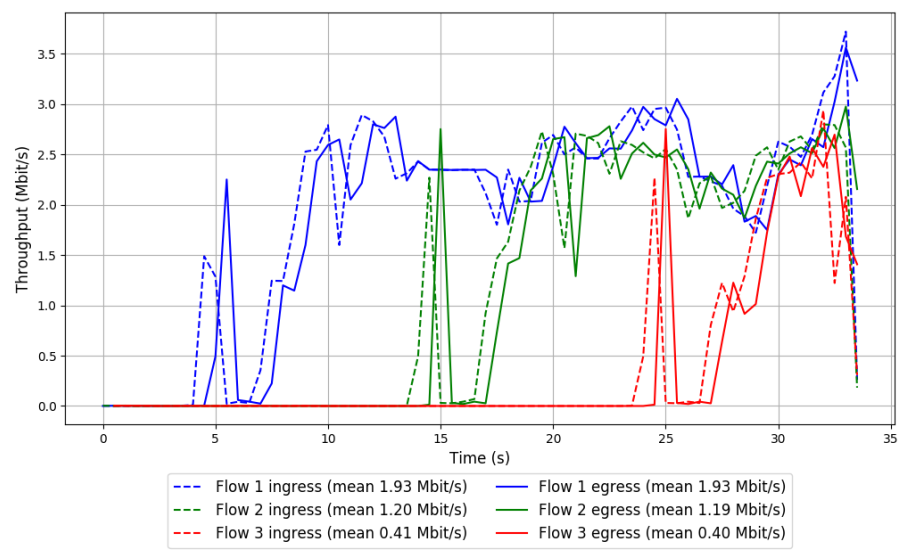


Run 6: Statistics of WebRTC media

Start at: 2018-07-25 04:09:35
End at: 2018-07-25 04:10:05
Local clock offset: 1.222 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-25 08:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 112.843 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 112.378 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 112.899 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 112.808 ms
Loss rate: 4.25%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-25 04:36:01

End at: 2018-07-25 04:36:31

Local clock offset: -0.029 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2018-07-25 08:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 110.807 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 110.824 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 110.767 ms

Loss rate: 1.76%

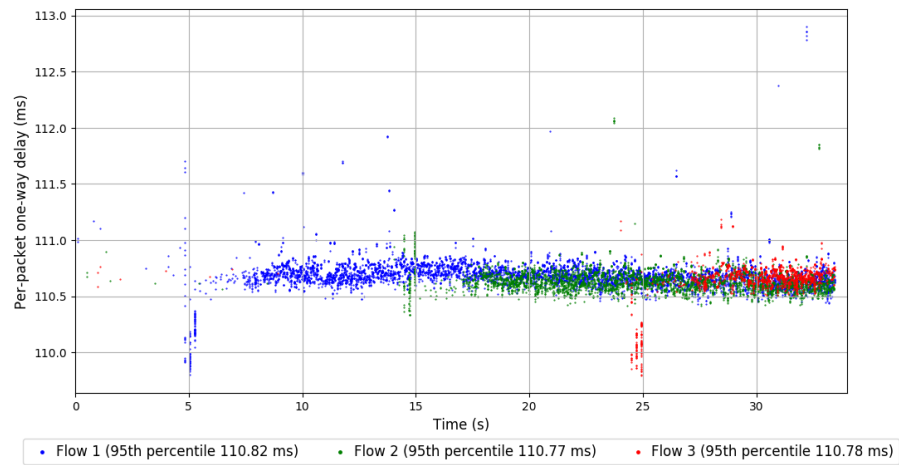
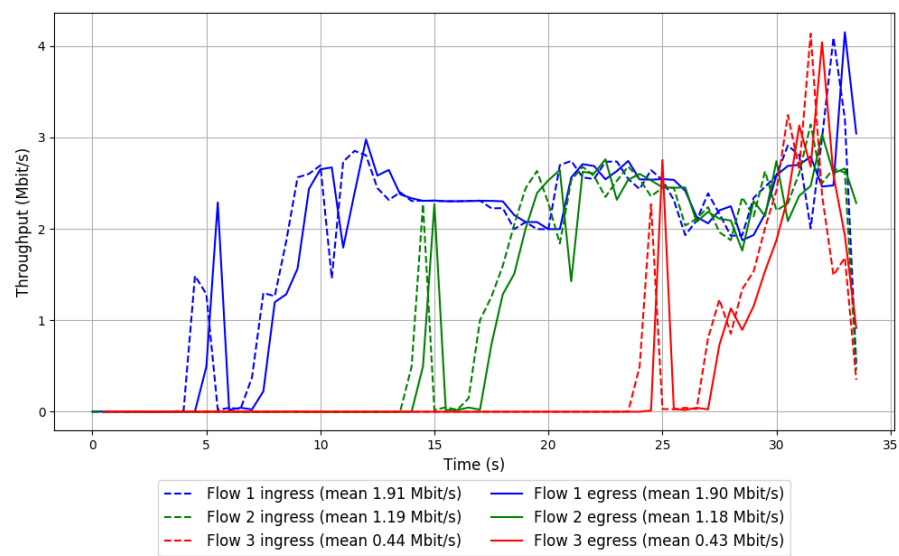
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 110.785 ms

Loss rate: 4.04%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-25 05:02:23

End at: 2018-07-25 05:02:53

Local clock offset: -0.024 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-25 08:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 111.484 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 1.89 Mbit/s

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

Loss rate: 1.12%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 111.523 ms

Loss rate: 1.55%

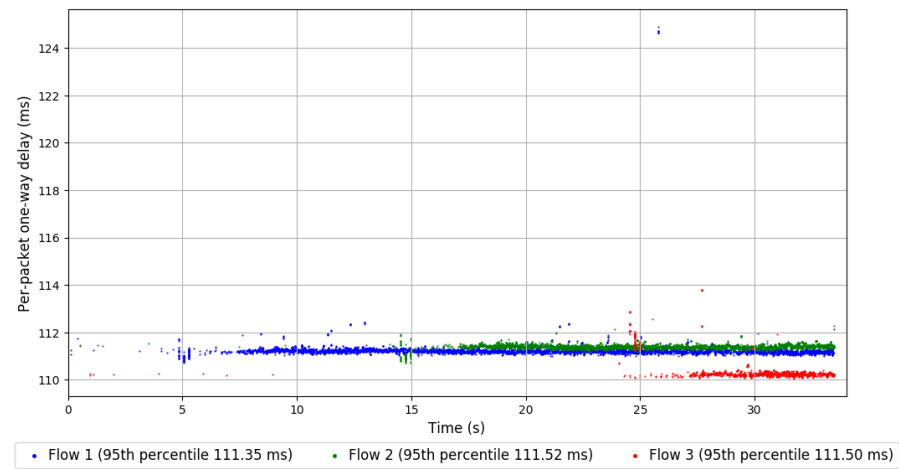
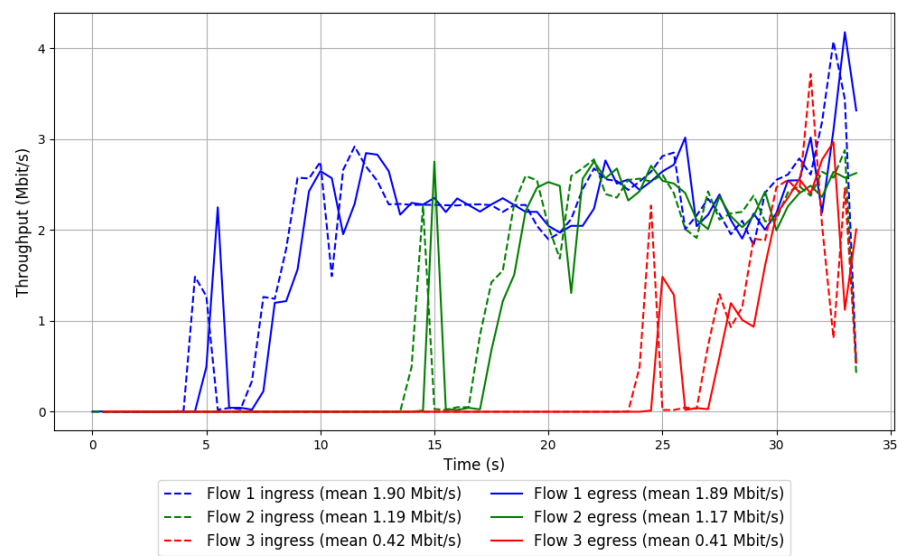
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.503 ms

Loss rate: 4.34%

Run 8: Report of WebRTC media — Data Link

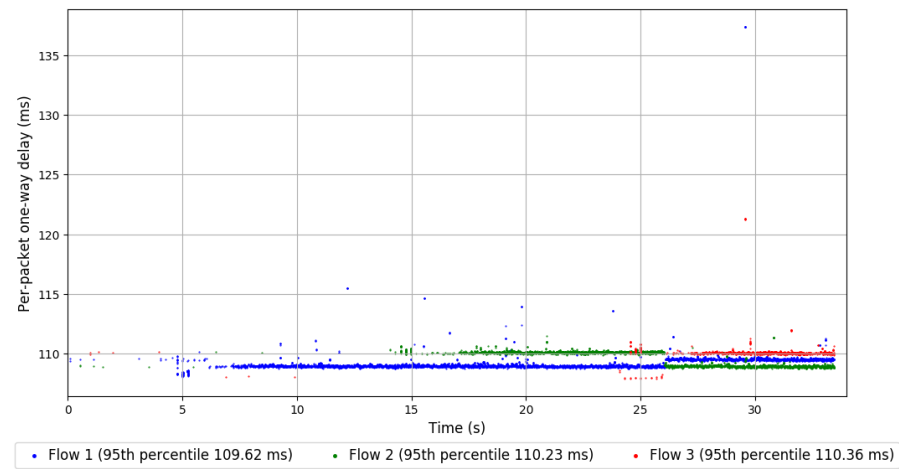
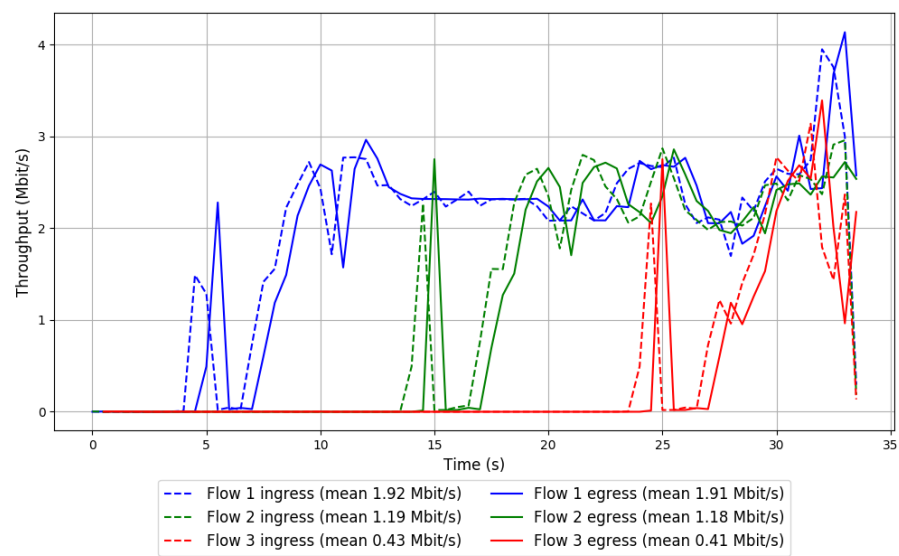


Run 9: Statistics of WebRTC media

Start at: 2018-07-25 05:28:38
End at: 2018-07-25 05:29:08
Local clock offset: -1.346 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-25 08:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 110.187 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 109.621 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 110.229 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 110.362 ms
Loss rate: 3.46%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 05:55:05
End at: 2018-07-25 05:55:35
Local clock offset: 1.328 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-25 08:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 113.162 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 112.928 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 113.170 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 113.333 ms
Loss rate: 3.61%

Run 10: Report of WebRTC media — Data Link

