

Pantheon Report

Generated at 2018-07-24 18:39:51 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

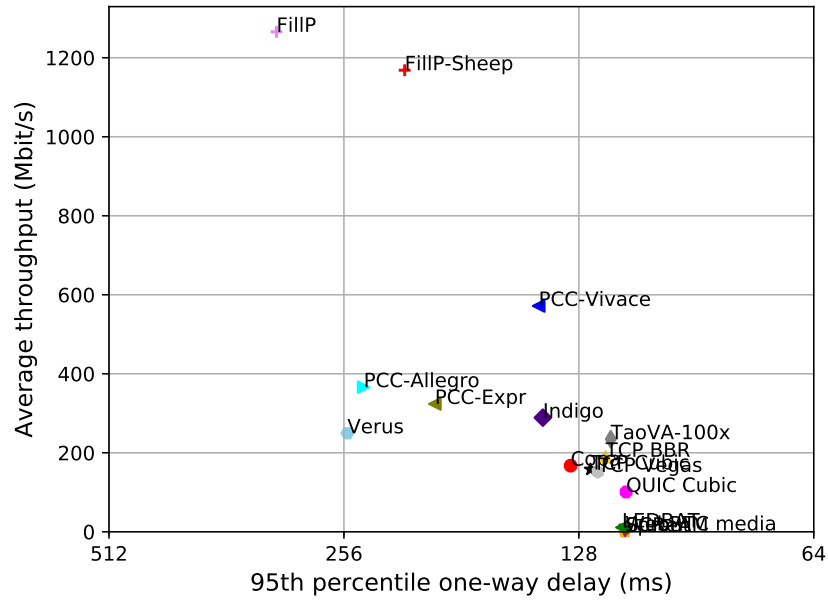
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

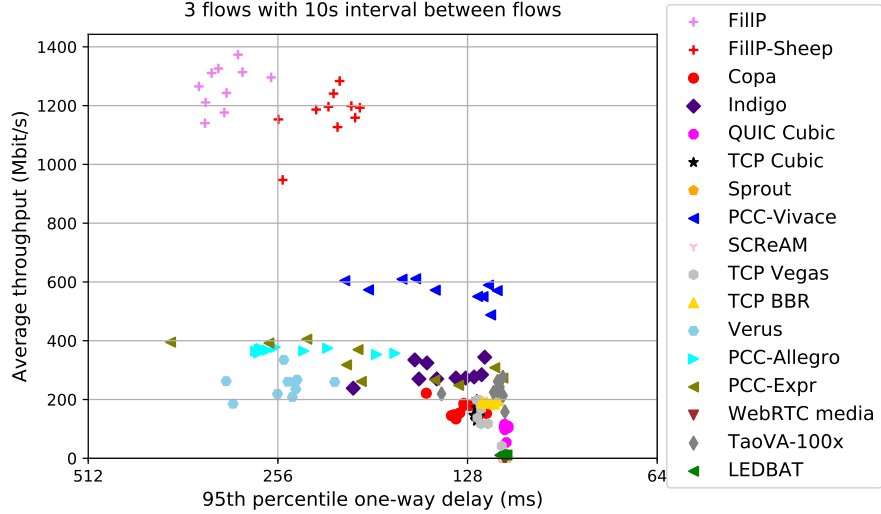
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 Tokyo to GCE London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	97.07	96.12	86.91	116.57	118.74	120.41	0.00	0.01	0.01
Copa	10	97.87	75.55	65.91	130.76	128.97	130.85	0.01	0.01	0.00
TCP Cubic	10	96.15	66.57	52.96	123.85	121.95	121.65	0.01	0.04	0.20
FillP	10	672.40	624.37	535.49	322.86	301.86	248.82	2.97	2.63	2.37
FillP-Sheep	10	617.52	579.62	499.24	223.34	199.91	162.36	0.96	0.71	0.61
Indigo	10	156.91	140.67	121.25	139.19	142.72	145.83	0.03	0.03	0.12
LEDBAT	10	7.27	4.59	2.33	112.77	112.65	112.39	0.00	0.00	0.00
PCC-Allegro	10	325.39	51.97	18.91	241.12	244.24	237.55	1.35	1.31	2.22
PCC-Expr	10	236.77	111.85	38.03	200.55	164.05	167.86	1.61	0.51	0.83
QUIC Cubic	10	54.36	54.38	32.48	111.18	111.18	110.95	0.00	0.00	0.00
SCReAM	10	0.21	0.22	0.20	111.13	111.05	111.21	0.00	0.00	0.00
Sprout	10	0.19	0.21	0.24	111.71	111.59	111.77	0.00	0.00	0.00
TaoVA-100x	10	155.44	91.83	58.96	114.86	119.16	119.87	0.00	0.01	0.00
TCP Vegas	10	81.42	74.10	64.06	120.26	119.81	120.34	0.00	0.03	0.05
Verus	10	172.70	92.09	49.78	255.96	241.01	255.85	1.98	1.52	2.83
PCC-Vivace	10	335.24	285.37	141.74	124.76	168.17	126.34	0.08	0.40	0.00
WebRTC media	10	1.94	1.19	0.41	111.51	111.27	111.19	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 11:59:14

End at: 2018-07-24 11:59:44

Local clock offset: 1.231 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-24 16:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 187.98 Mbit/s

95th percentile per-packet one-way delay: 119.884 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 117.556 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 120.379 ms

Loss rate: 0.01%

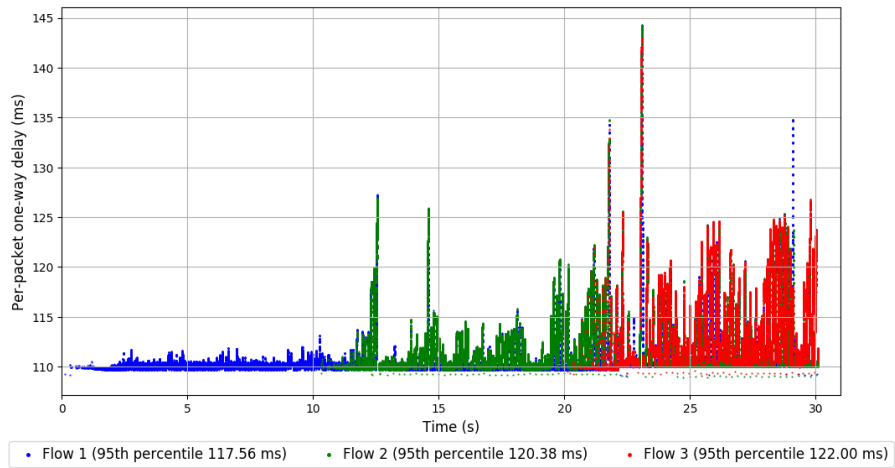
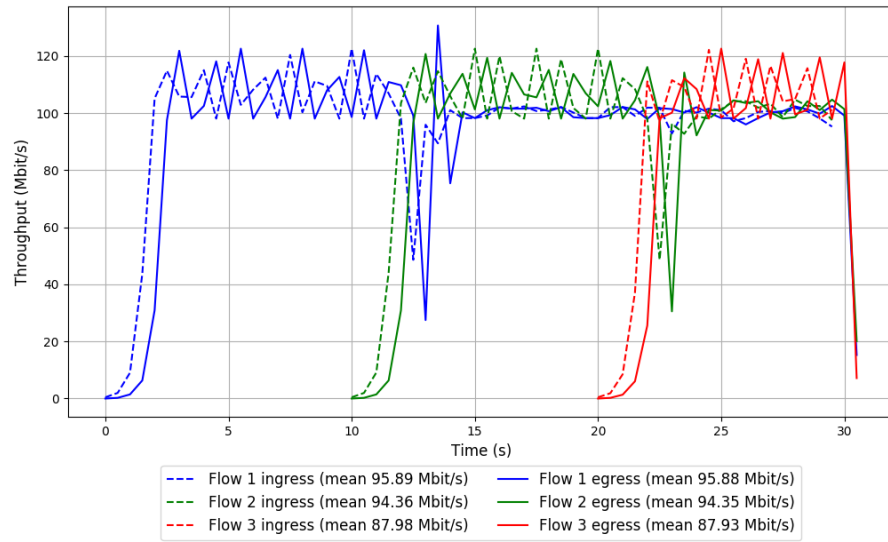
-- Flow 3:

Average throughput: 87.93 Mbit/s

95th percentile per-packet one-way delay: 121.998 ms

Loss rate: 0.05%

Run 1: Report of TCP BBR — Data Link

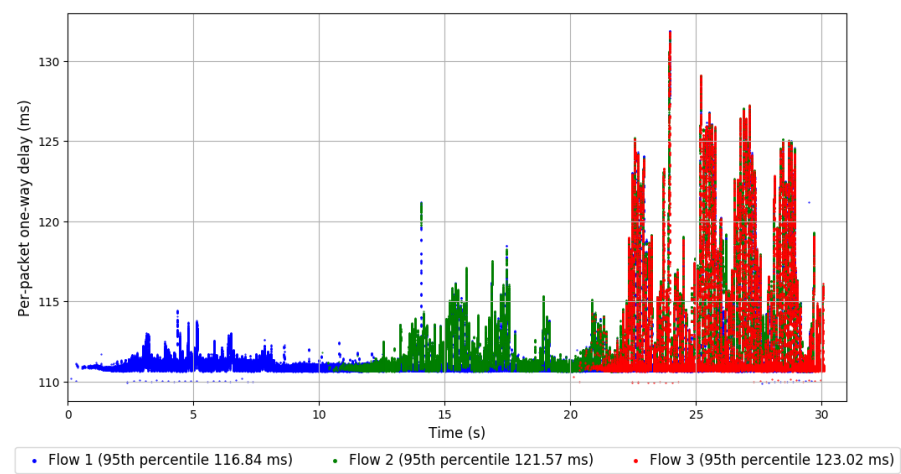
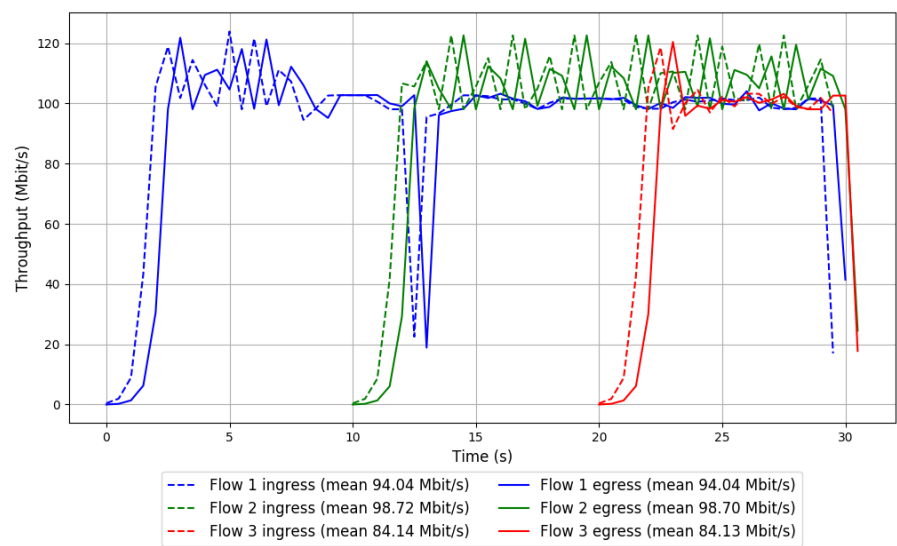


Run 2: Statistics of TCP BBR

Start at: 2018-07-24 12:26:09
End at: 2018-07-24 12:26:39
Local clock offset: 0.205 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-24 16:32:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.13 Mbit/s
95th percentile per-packet one-way delay: 120.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 116.845 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.70 Mbit/s
95th percentile per-packet one-way delay: 121.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 123.020 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-24 12:52:53

End at: 2018-07-24 12:53:23

Local clock offset: -0.008 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-24 16:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 183.86 Mbit/s

95th percentile per-packet one-way delay: 116.051 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 94.83 Mbit/s

95th percentile per-packet one-way delay: 114.511 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 115.968 ms

Loss rate: 0.01%

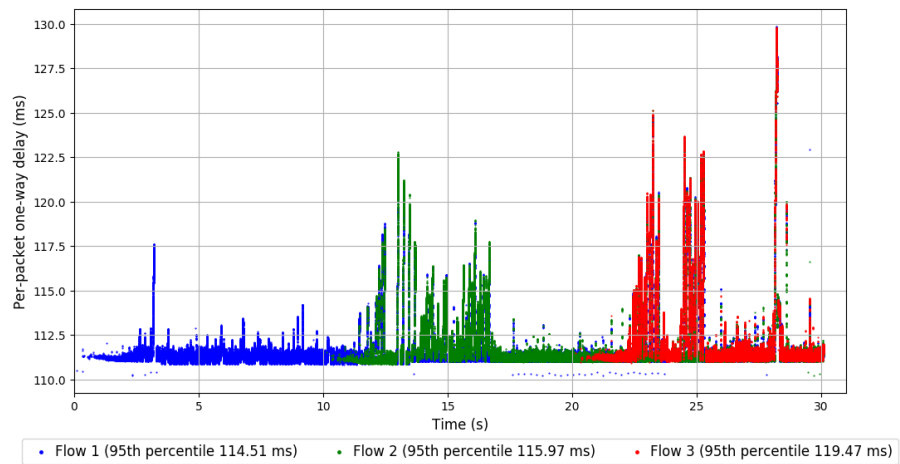
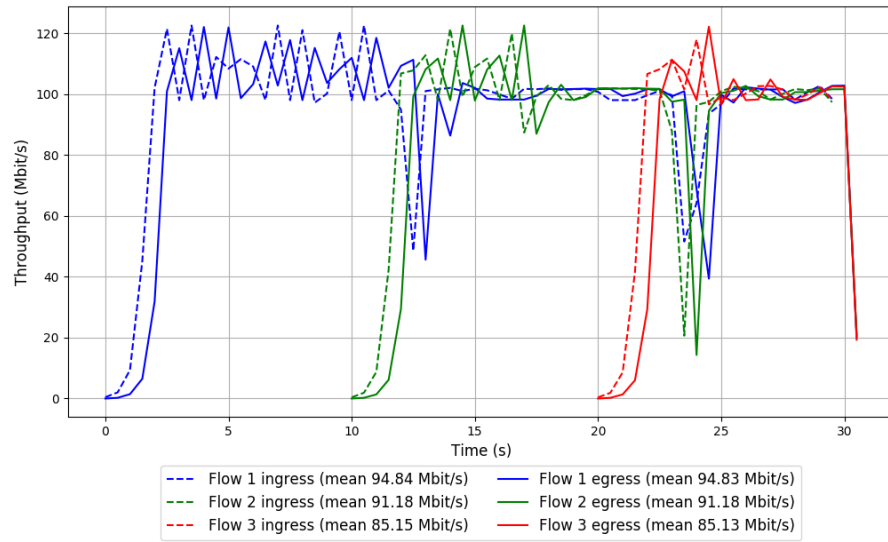
-- Flow 3:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 119.475 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-24 13:19:02

End at: 2018-07-24 13:19:32

Local clock offset: 0.196 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-24 16:32:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.46 Mbit/s

95th percentile per-packet one-way delay: 114.274 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 100.67 Mbit/s

95th percentile per-packet one-way delay: 113.056 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.54 Mbit/s

95th percentile per-packet one-way delay: 113.623 ms

Loss rate: 0.00%

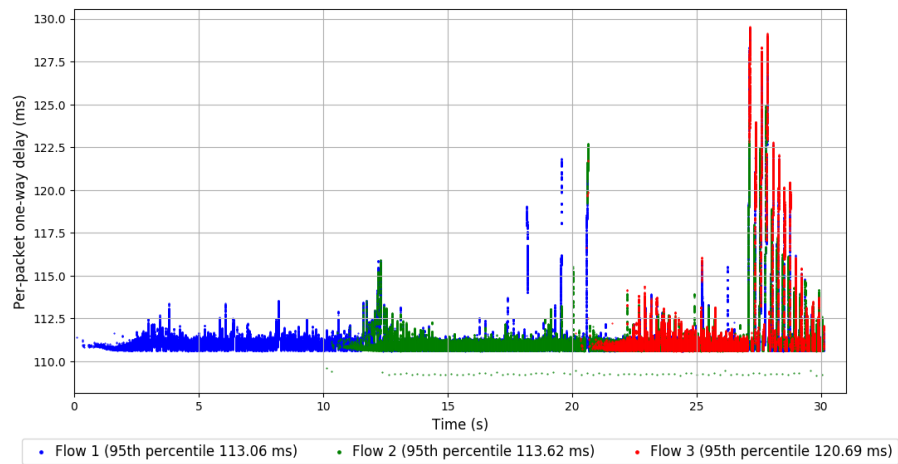
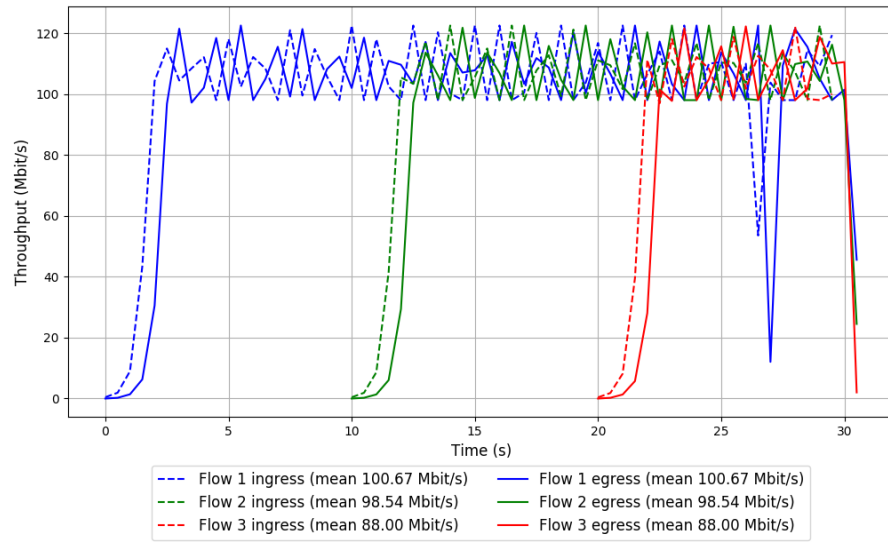
-- Flow 3:

Average throughput: 88.00 Mbit/s

95th percentile per-packet one-way delay: 120.689 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-24 13:44:56

End at: 2018-07-24 13:45:26

Local clock offset: -0.048 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-24 16:32:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.41 Mbit/s

95th percentile per-packet one-way delay: 120.763 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 97.71 Mbit/s

95th percentile per-packet one-way delay: 119.517 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 119.858 ms

Loss rate: 0.04%

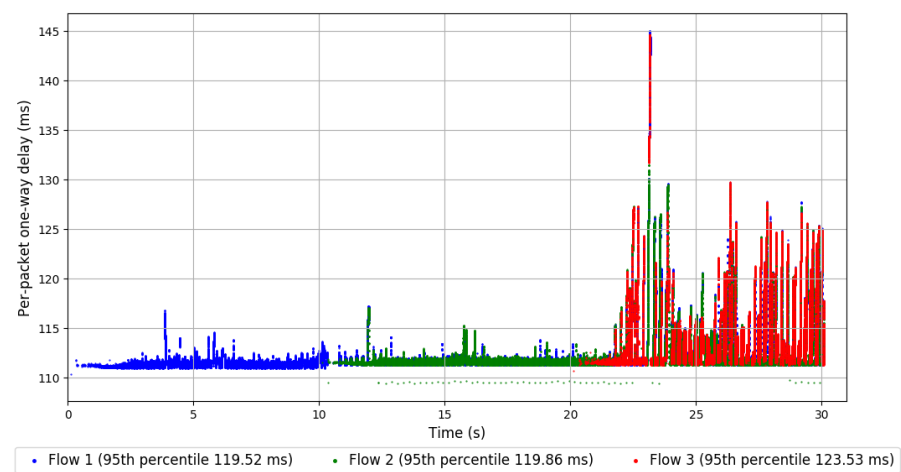
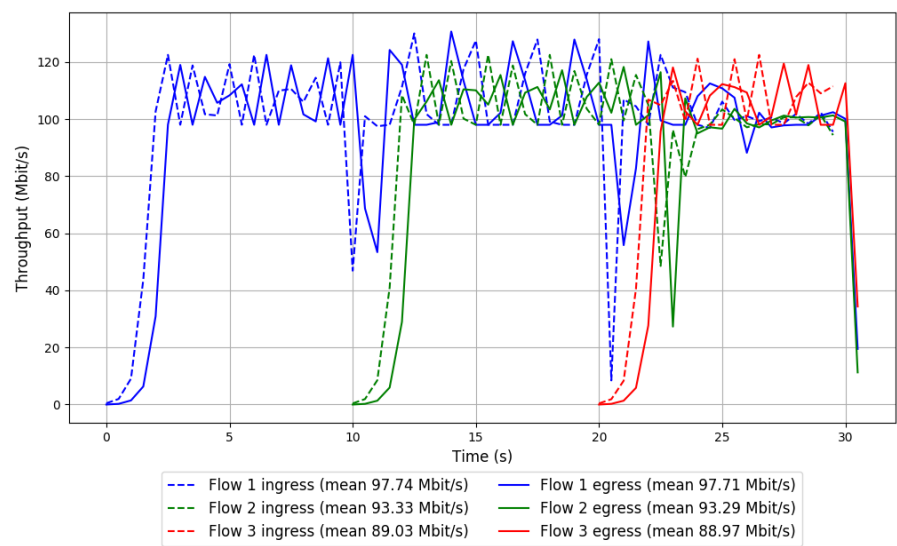
-- Flow 3:

Average throughput: 88.97 Mbit/s

95th percentile per-packet one-way delay: 123.525 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link

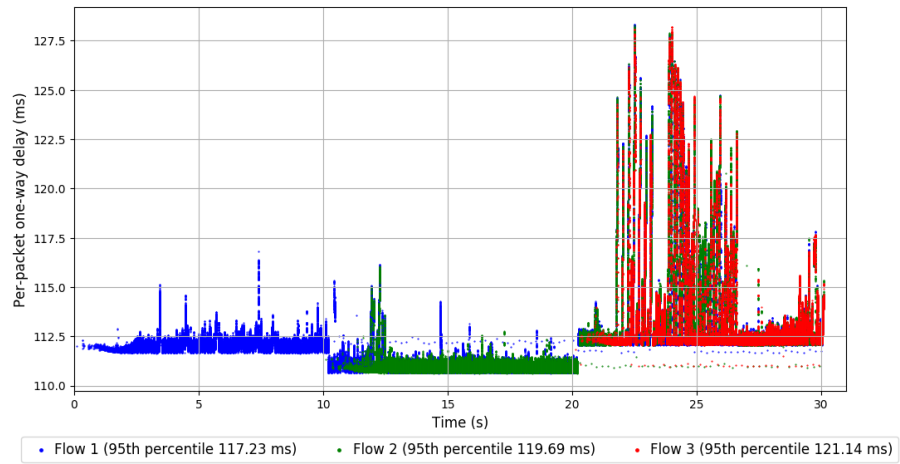
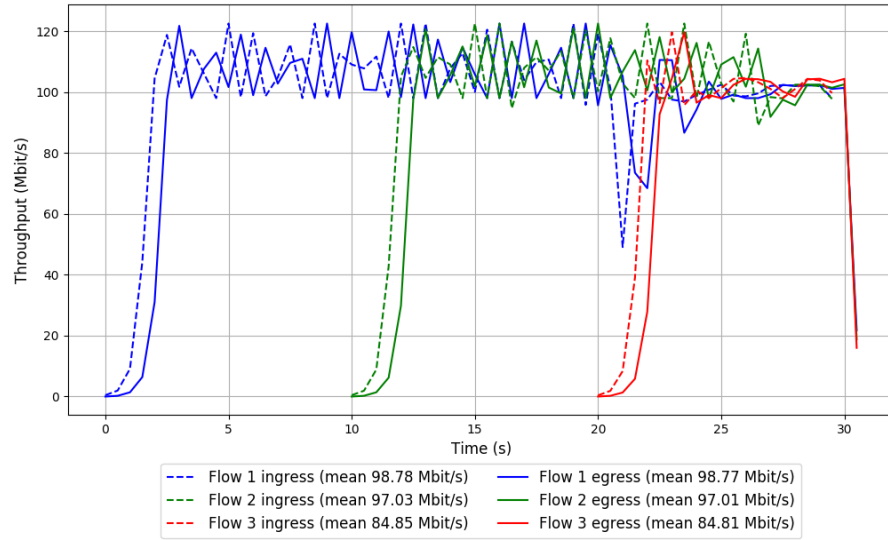


Run 6: Statistics of TCP BBR

Start at: 2018-07-24 14:10:56
End at: 2018-07-24 14:11:26
Local clock offset: -1.161 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-24 16:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.60 Mbit/s
95th percentile per-packet one-way delay: 119.330 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 98.77 Mbit/s
95th percentile per-packet one-way delay: 117.232 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 119.693 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 121.142 ms
Loss rate: 0.05%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-24 14:37:11

End at: 2018-07-24 14:37:41

Local clock offset: 1.419 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-24 16:32:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.00 Mbit/s

95th percentile per-packet one-way delay: 117.141 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 115.368 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.09 Mbit/s

95th percentile per-packet one-way delay: 119.779 ms

Loss rate: 0.00%

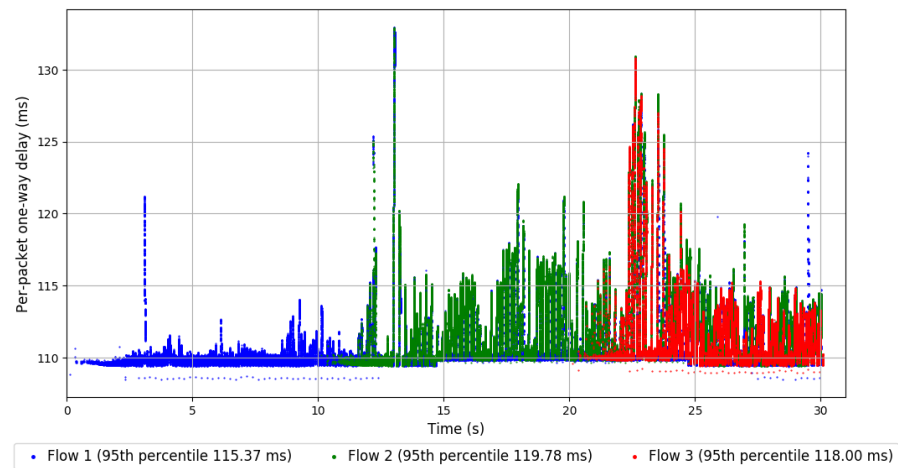
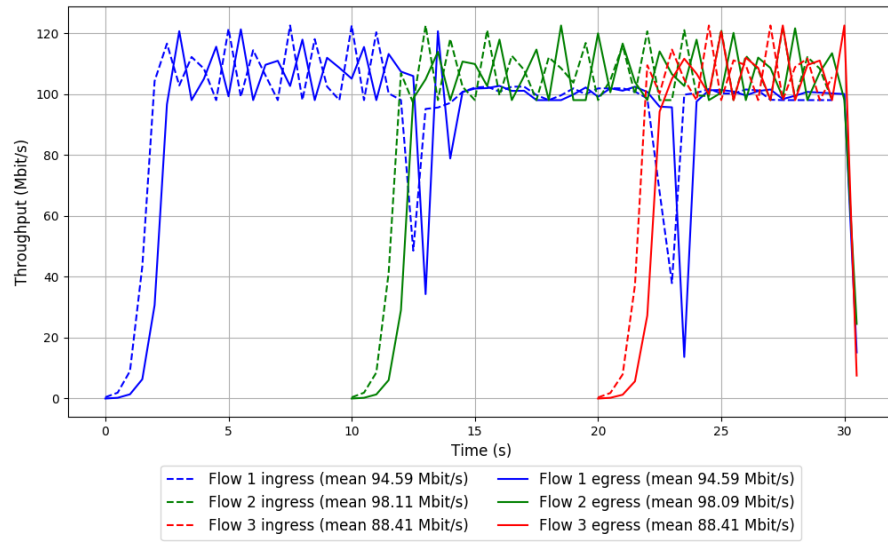
-- Flow 3:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 118.000 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-24 15:03:11

End at: 2018-07-24 15:03:41

Local clock offset: -0.02 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2018-07-24 16:32:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.92 Mbit/s

95th percentile per-packet one-way delay: 121.555 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 100.75 Mbit/s

95th percentile per-packet one-way delay: 120.630 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 121.227 ms

Loss rate: 0.00%

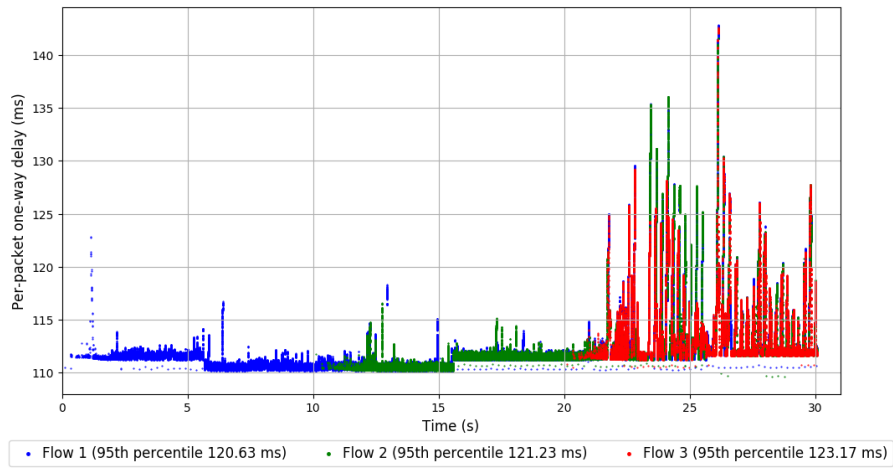
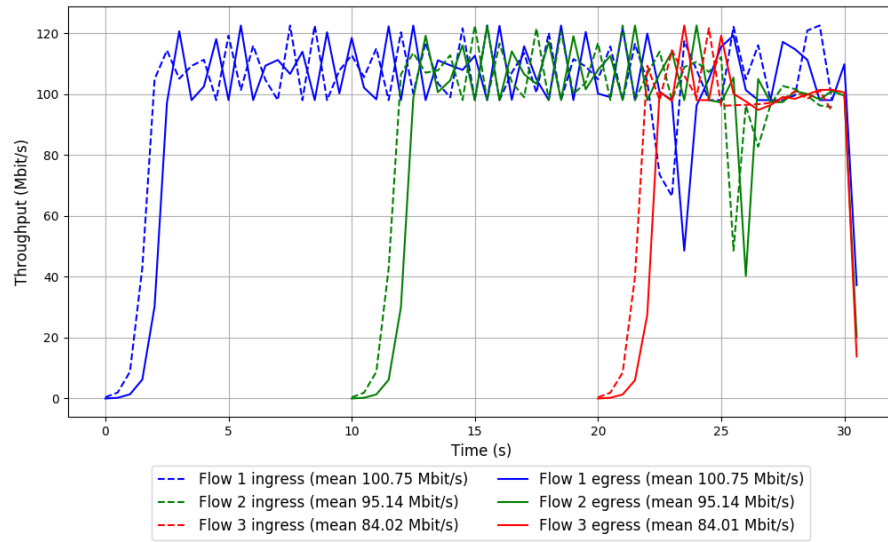
-- Flow 3:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 123.172 ms

Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link

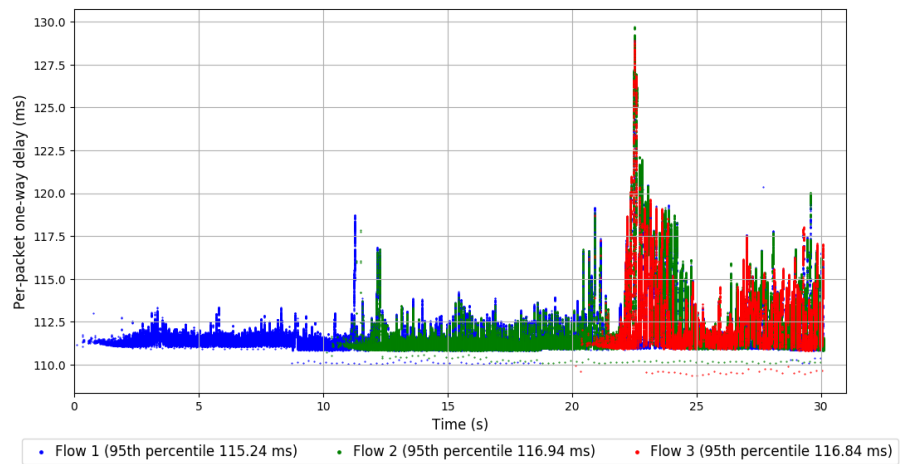
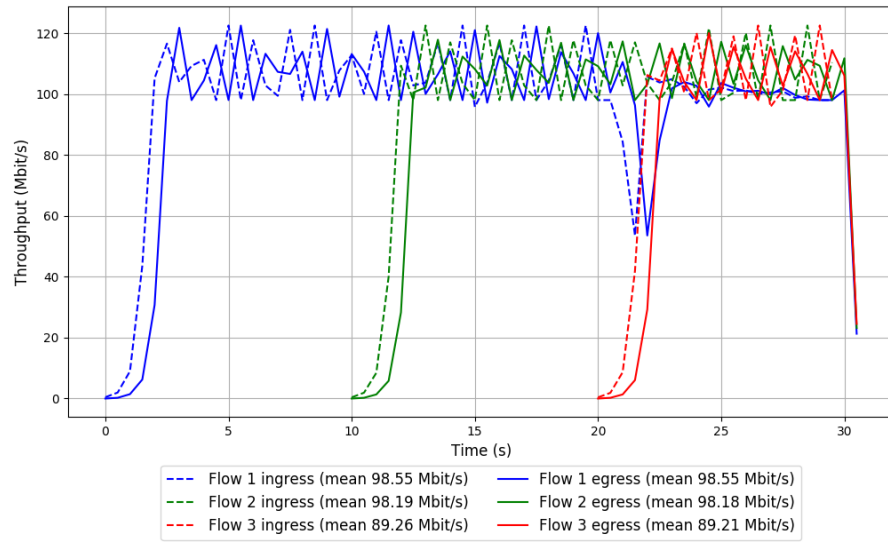


Run 9: Statistics of TCP BBR

Start at: 2018-07-24 15:29:17
End at: 2018-07-24 15:29:47
Local clock offset: -0.079 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-24 16:34:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.45 Mbit/s
95th percentile per-packet one-way delay: 116.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.55 Mbit/s
95th percentile per-packet one-way delay: 115.244 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.18 Mbit/s
95th percentile per-packet one-way delay: 116.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 116.840 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-24 15:55:30

End at: 2018-07-24 15:56:00

Local clock offset: 0.008 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2018-07-24 16:34:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.51 Mbit/s

95th percentile per-packet one-way delay: 116.791 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 115.743 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 118.375 ms

Loss rate: 0.00%

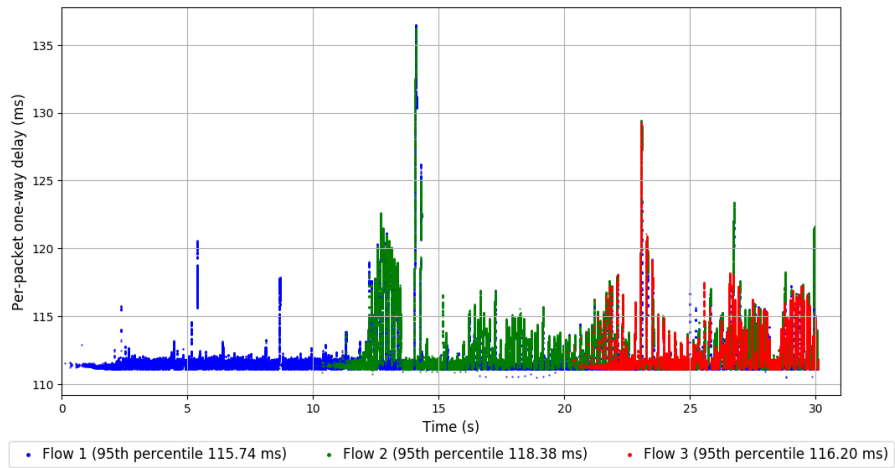
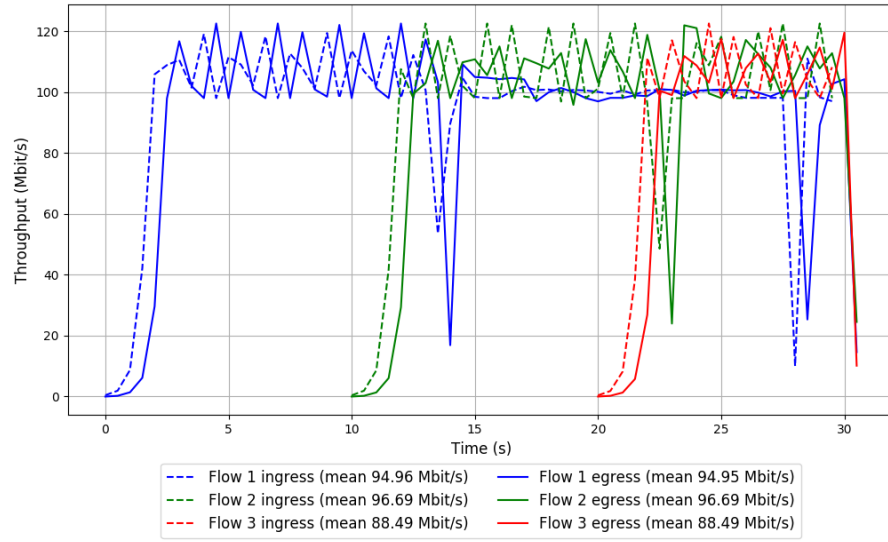
-- Flow 3:

Average throughput: 88.49 Mbit/s

95th percentile per-packet one-way delay: 116.197 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-24 12:02:44

End at: 2018-07-24 12:03:15

Local clock offset: -0.042 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-24 16:37:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 180.10 Mbit/s

95th percentile per-packet one-way delay: 129.552 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 108.10 Mbit/s

95th percentile per-packet one-way delay: 125.994 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.66 Mbit/s

95th percentile per-packet one-way delay: 127.015 ms

Loss rate: 0.00%

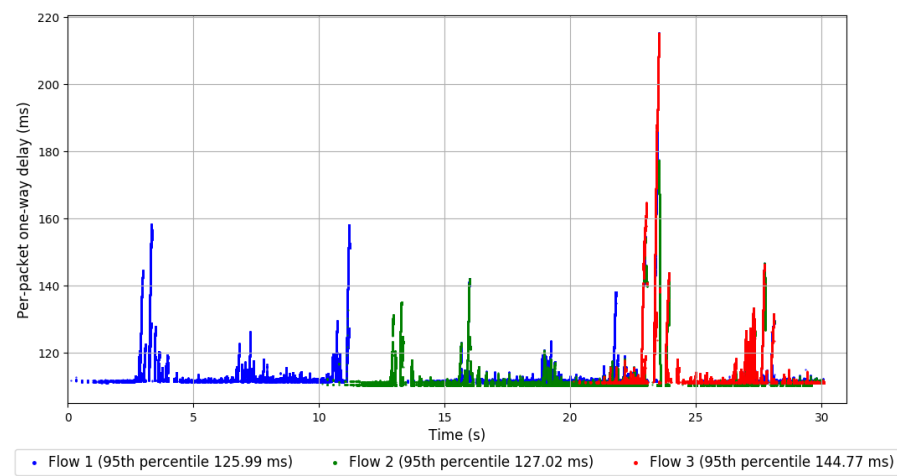
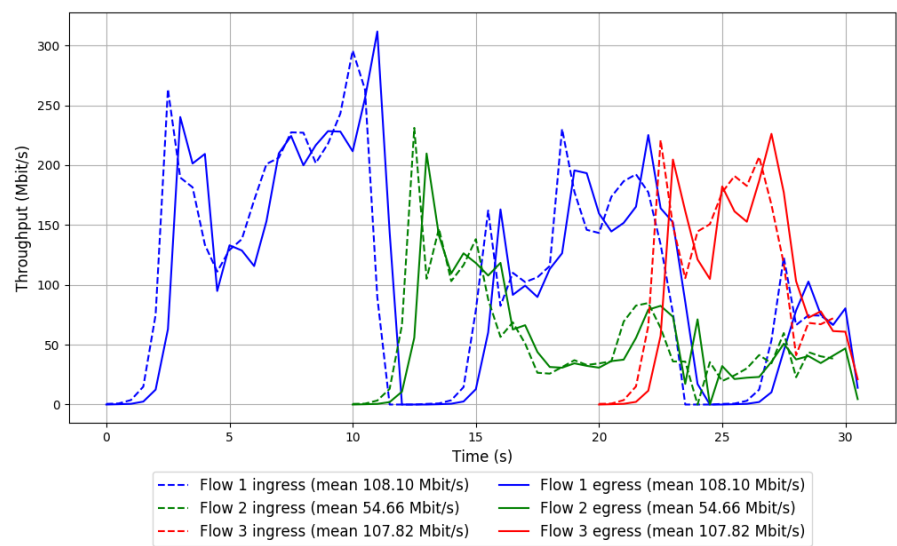
-- Flow 3:

Average throughput: 107.82 Mbit/s

95th percentile per-packet one-way delay: 144.768 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-24 12:29:47

End at: 2018-07-24 12:30:17

Local clock offset: -0.209 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-24 16:37:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.76 Mbit/s

95th percentile per-packet one-way delay: 121.642 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 84.07 Mbit/s

95th percentile per-packet one-way delay: 120.212 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 125.865 ms

Loss rate: 0.04%

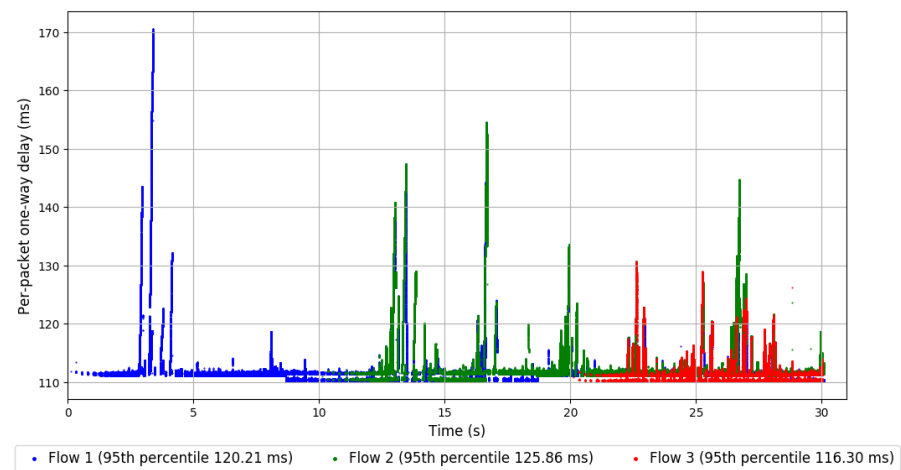
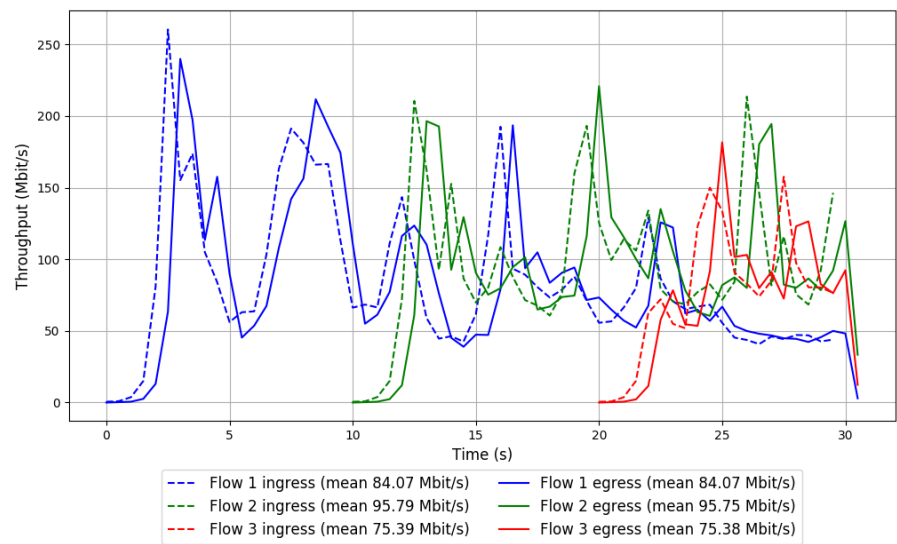
-- Flow 3:

Average throughput: 75.38 Mbit/s

95th percentile per-packet one-way delay: 116.302 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-24 12:56:15

End at: 2018-07-24 12:56:45

Local clock offset: -0.131 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-24 16:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 221.35 Mbit/s

95th percentile per-packet one-way delay: 148.818 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 146.32 Mbit/s

95th percentile per-packet one-way delay: 154.113 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 129.878 ms

Loss rate: 0.00%

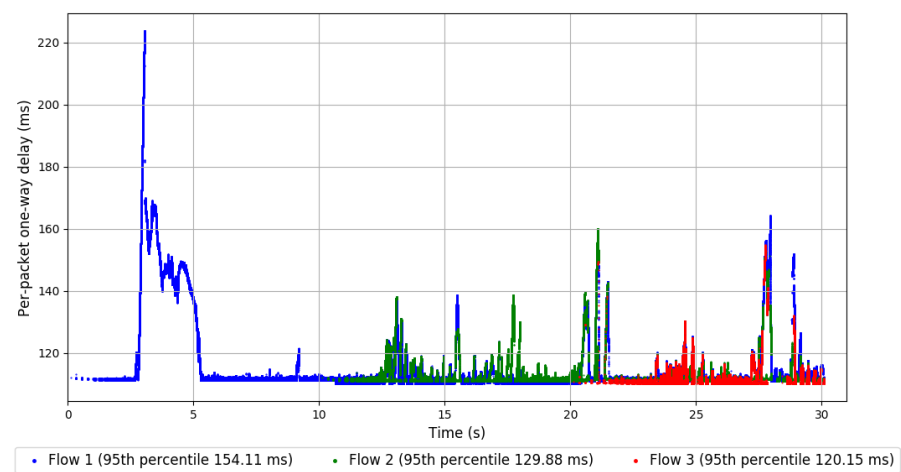
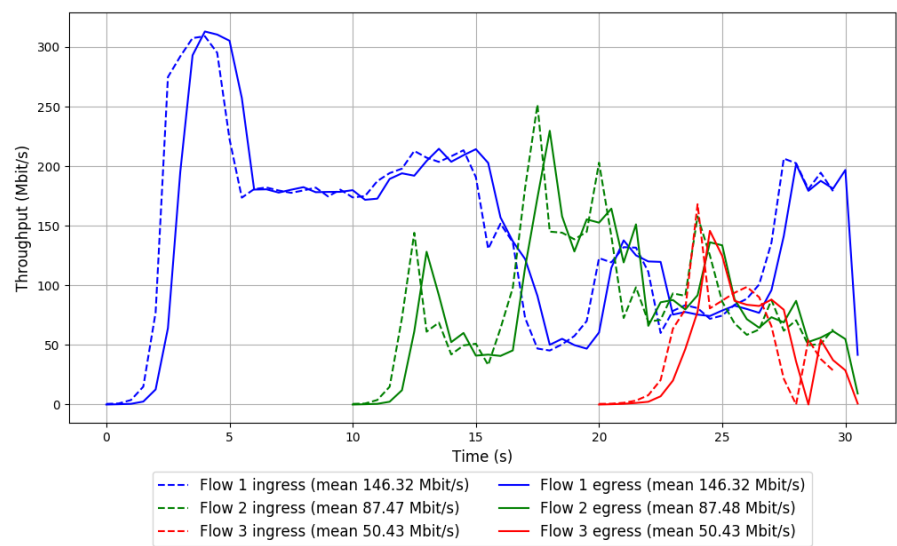
-- Flow 3:

Average throughput: 50.43 Mbit/s

95th percentile per-packet one-way delay: 120.146 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-24 13:22:34

End at: 2018-07-24 13:23:04

Local clock offset: 0.235 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-24 16:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.02 Mbit/s

95th percentile per-packet one-way delay: 133.527 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.10 Mbit/s

95th percentile per-packet one-way delay: 137.463 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 79.43 Mbit/s

95th percentile per-packet one-way delay: 126.809 ms

Loss rate: 0.00%

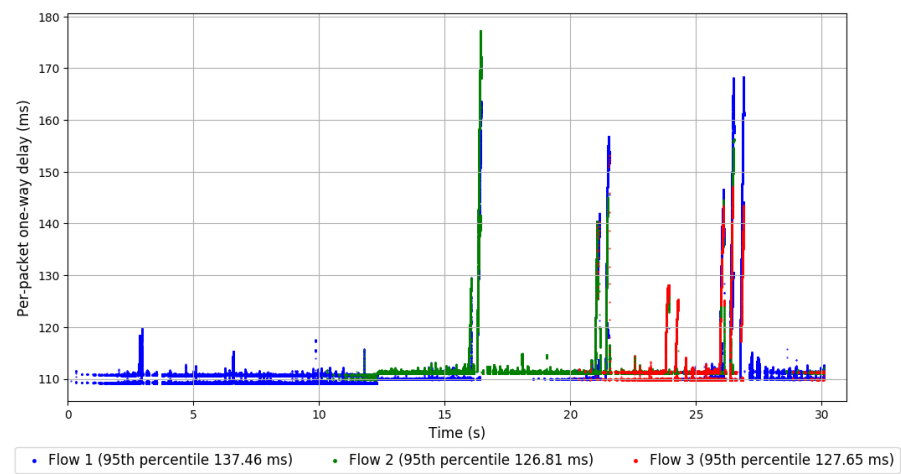
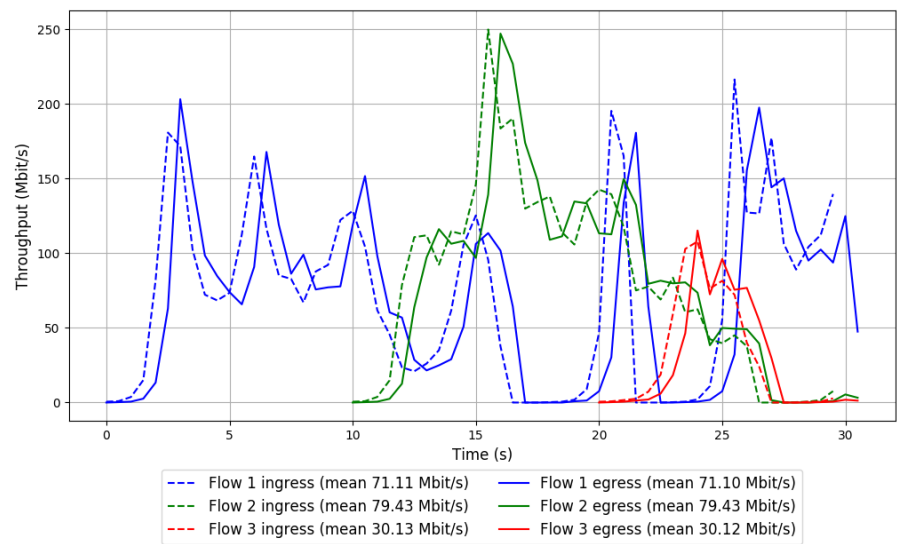
-- Flow 3:

Average throughput: 30.12 Mbit/s

95th percentile per-packet one-way delay: 127.646 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-24 13:48:31

End at: 2018-07-24 13:49:01

Local clock offset: -0.121 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-07-24 16:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.00 Mbit/s

95th percentile per-packet one-way delay: 127.010 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 123.646 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 134.798 ms

Loss rate: 0.00%

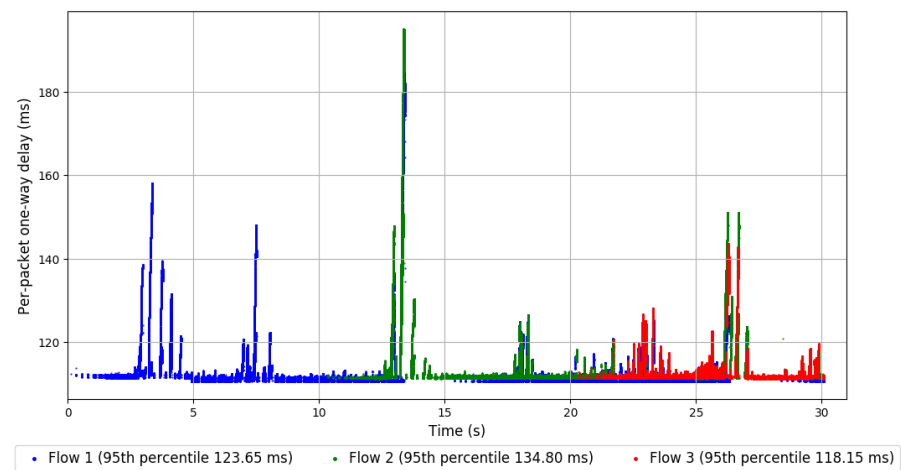
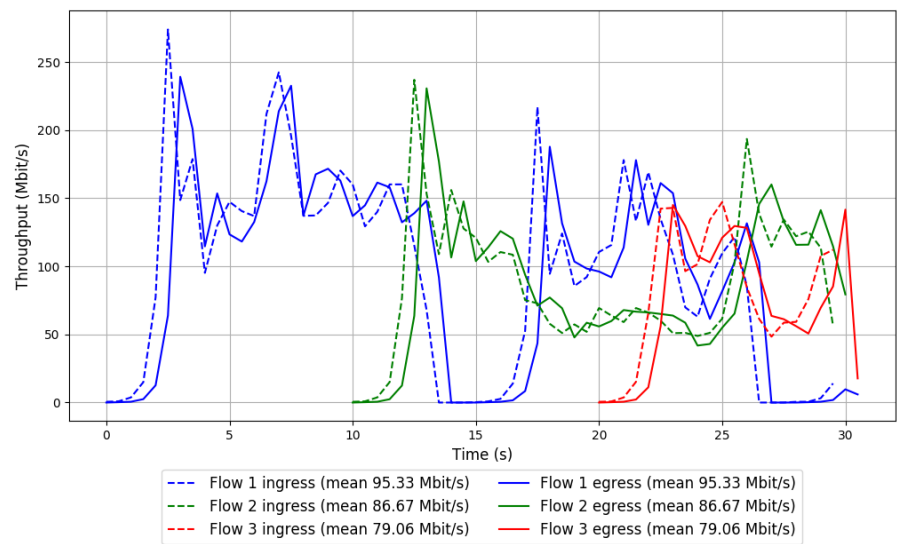
-- Flow 3:

Average throughput: 79.06 Mbit/s

95th percentile per-packet one-way delay: 118.152 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

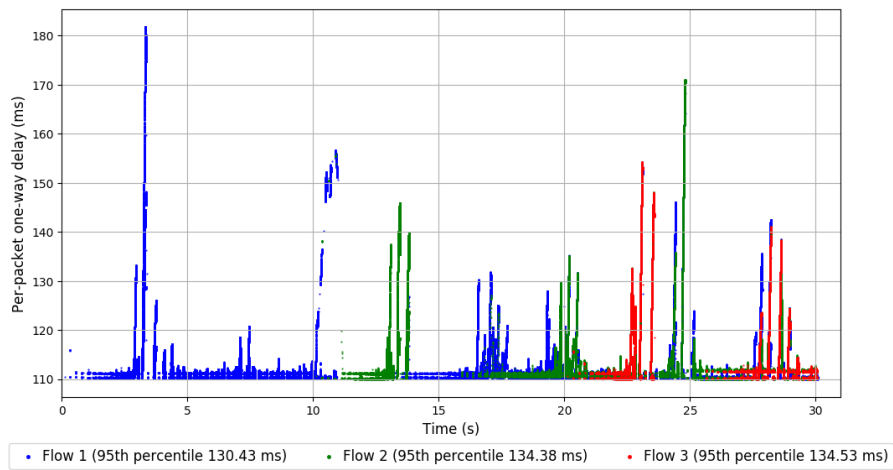
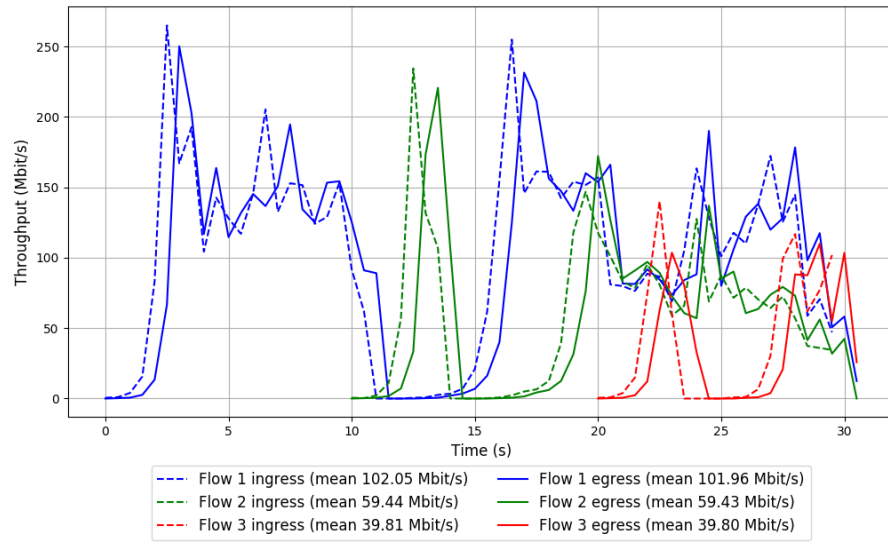


Run 6: Statistics of Copa

Start at: 2018-07-24 14:14:31
End at: 2018-07-24 14:15:01
Local clock offset: -0.2 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-24 16:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.60 Mbit/s
95th percentile per-packet one-way delay: 131.670 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 101.96 Mbit/s
95th percentile per-packet one-way delay: 130.430 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 134.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 134.525 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

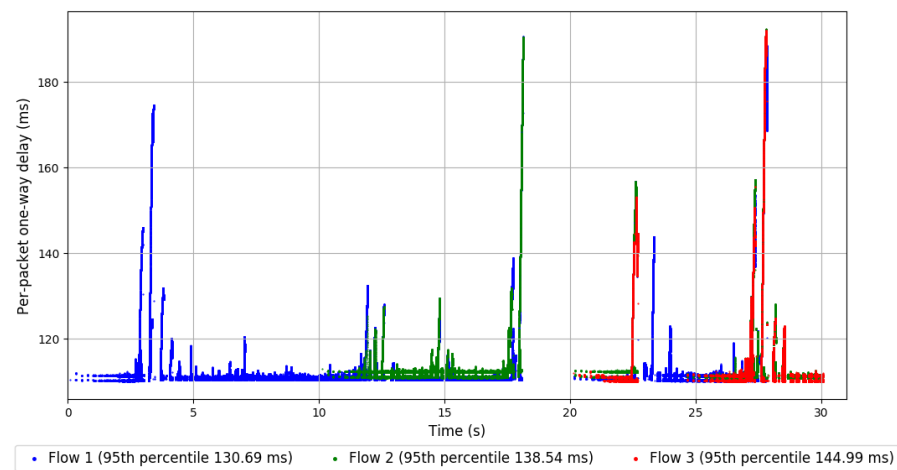
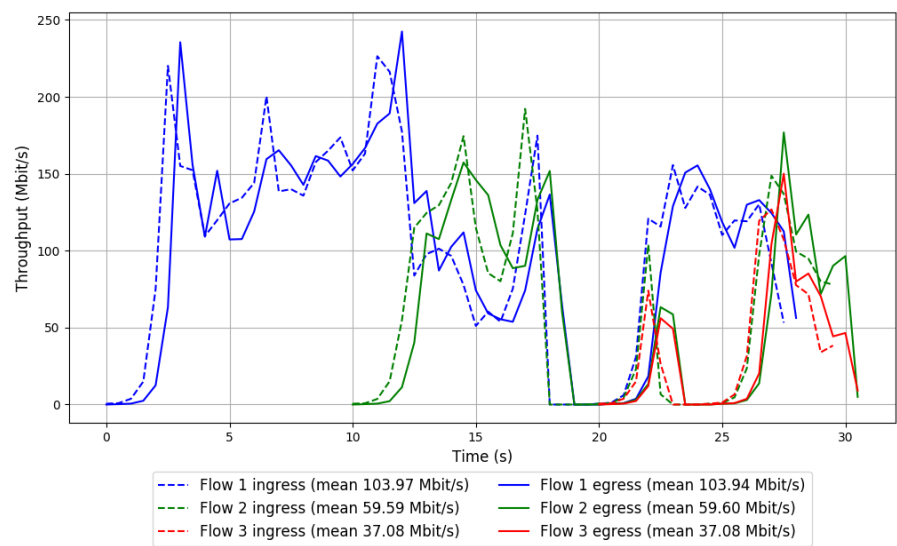


Run 7: Statistics of Copa

Start at: 2018-07-24 14:40:43
End at: 2018-07-24 14:41:13
Local clock offset: -0.038 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-24 16:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.18 Mbit/s
95th percentile per-packet one-way delay: 134.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.94 Mbit/s
95th percentile per-packet one-way delay: 130.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 138.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 144.985 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

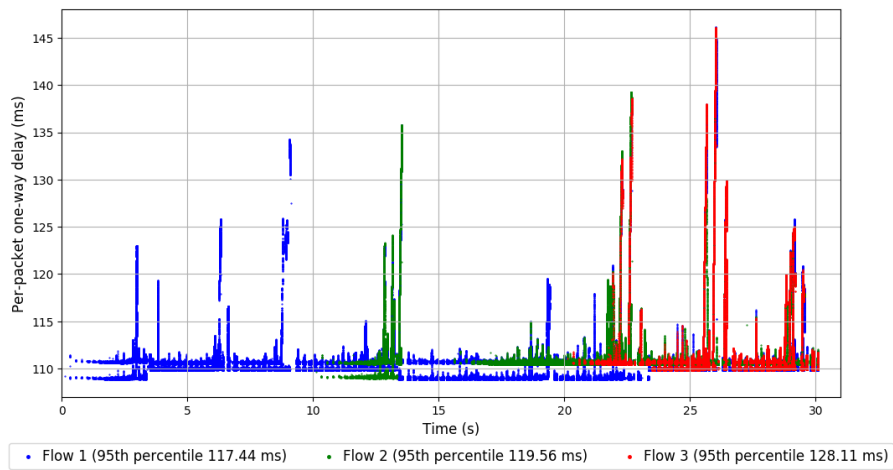
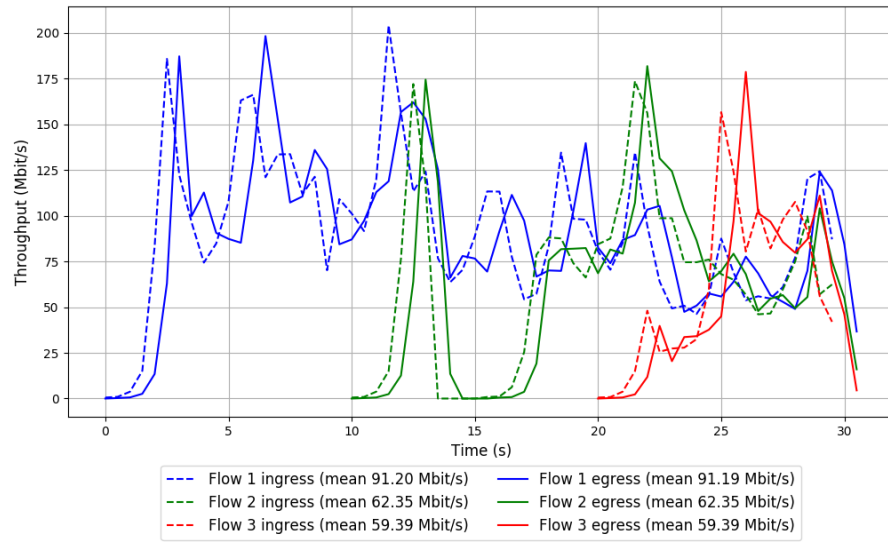


Run 8: Statistics of Copa

Start at: 2018-07-24 15:06:43
End at: 2018-07-24 15:07:13
Local clock offset: -0.038 ms
Remote clock offset: -0.325 ms

```
# Below is generated by plot.py at 2018-07-24 16:39:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 152.47 Mbit/s
95th percentile per-packet one-way delay: 119.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 117.445 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 119.564 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 128.110 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-24 15:32:50

End at: 2018-07-24 15:33:20

Local clock offset: -0.165 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-07-24 16:40:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 145.10 Mbit/s

95th percentile per-packet one-way delay: 135.772 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 77.61 Mbit/s

95th percentile per-packet one-way delay: 138.028 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 133.068 ms

Loss rate: 0.00%

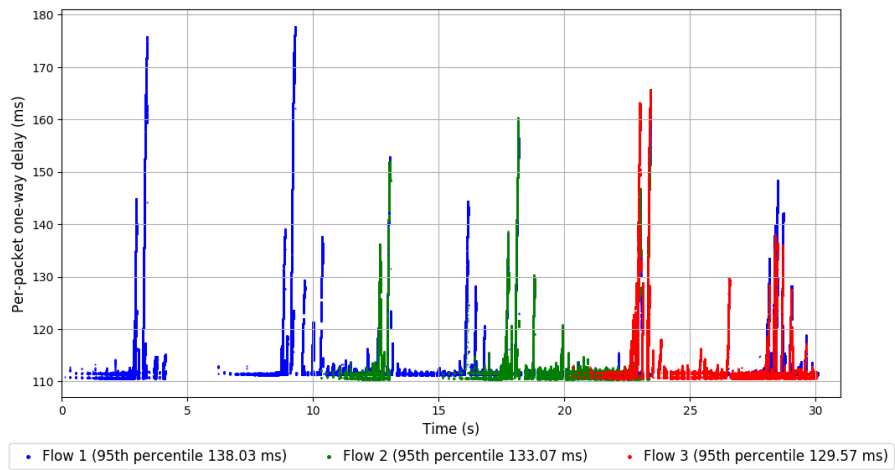
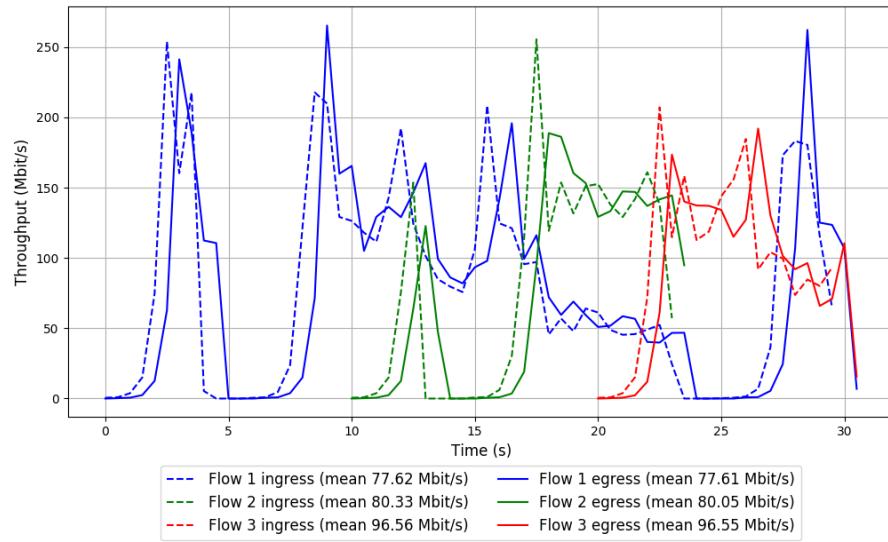
-- Flow 3:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 129.568 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

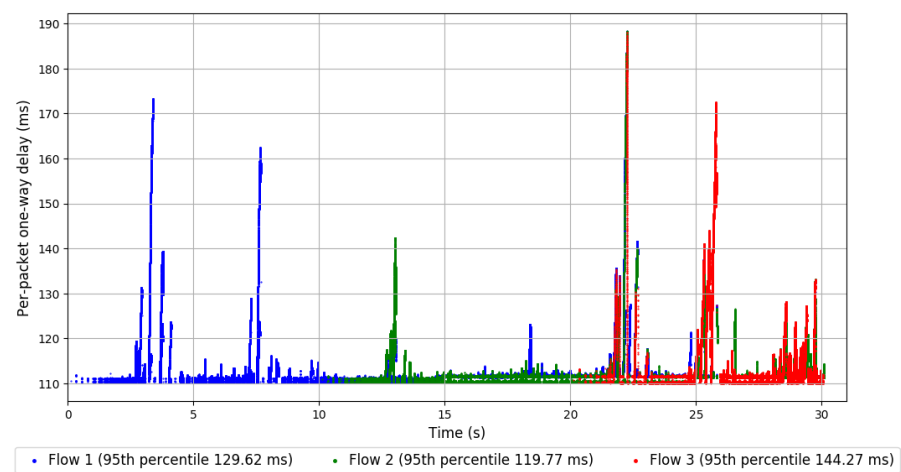
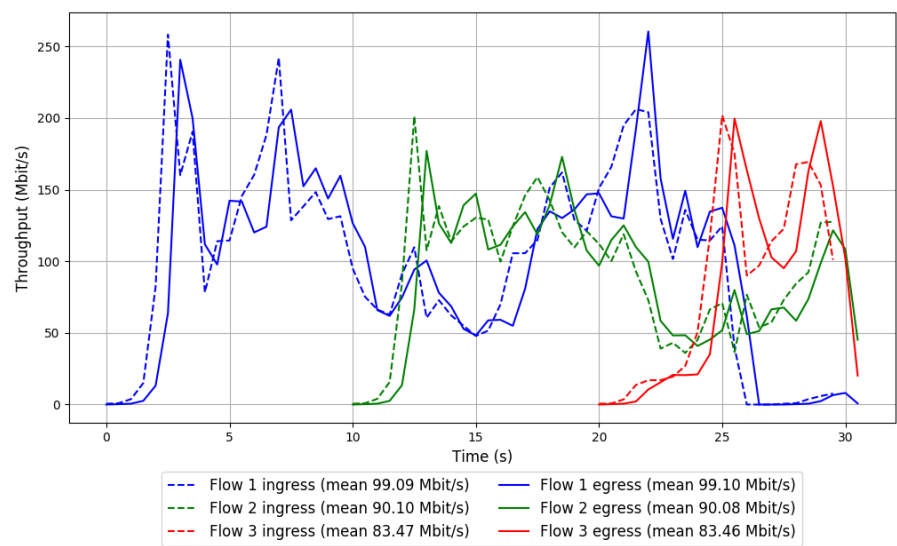


Run 10: Statistics of Copa

Start at: 2018-07-24 15:59:01
End at: 2018-07-24 15:59:31
Local clock offset: -0.152 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-24 16:42:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.76 Mbit/s
95th percentile per-packet one-way delay: 129.748 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.10 Mbit/s
95th percentile per-packet one-way delay: 129.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: 119.774 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 144.268 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 11:52:16

End at: 2018-07-24 11:52:46

Local clock offset: 0.049 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-07-24 16:42:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 200.07 Mbit/s

95th percentile per-packet one-way delay: 123.762 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 102.86 Mbit/s

95th percentile per-packet one-way delay: 123.531 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.76 Mbit/s

95th percentile per-packet one-way delay: 124.349 ms

Loss rate: 0.00%

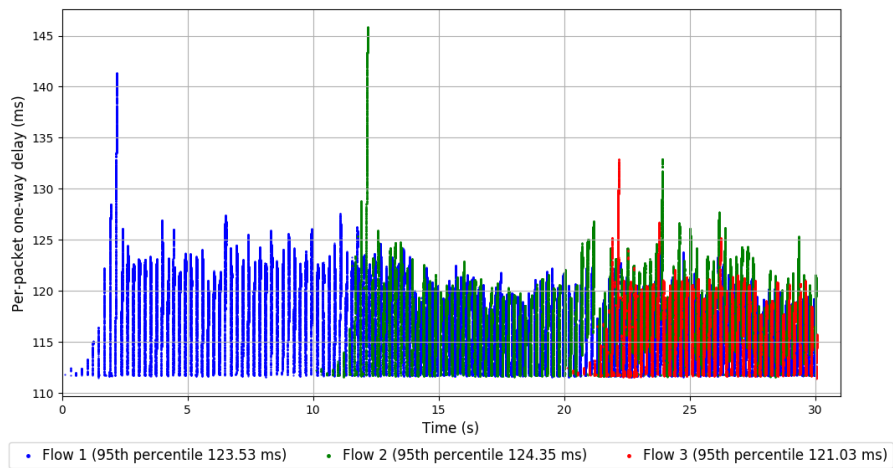
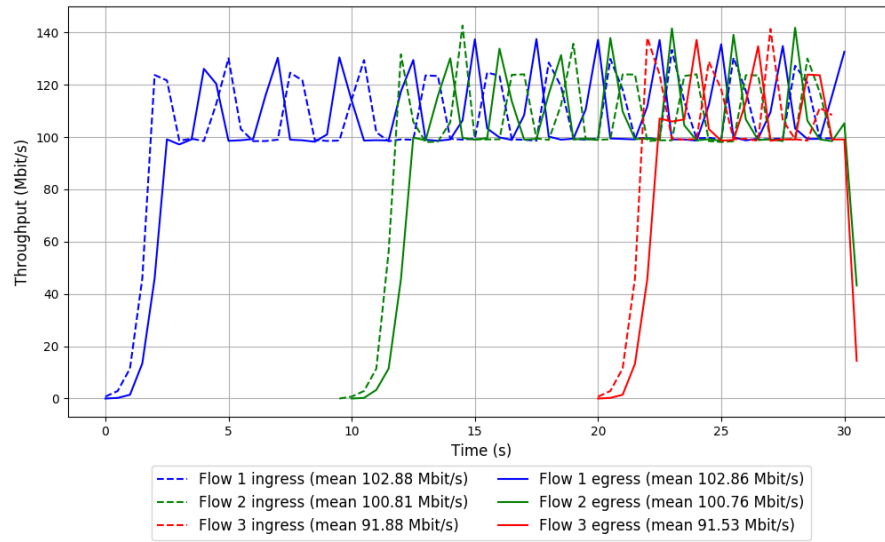
-- Flow 3:

Average throughput: 91.53 Mbit/s

95th percentile per-packet one-way delay: 121.027 ms

Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-24 12:19:01

End at: 2018-07-24 12:19:31

Local clock offset: 1.121 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-07-24 16:42:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.41 Mbit/s

95th percentile per-packet one-way delay: 122.500 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 122.843 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 100.56 Mbit/s

95th percentile per-packet one-way delay: 122.063 ms

Loss rate: 0.00%

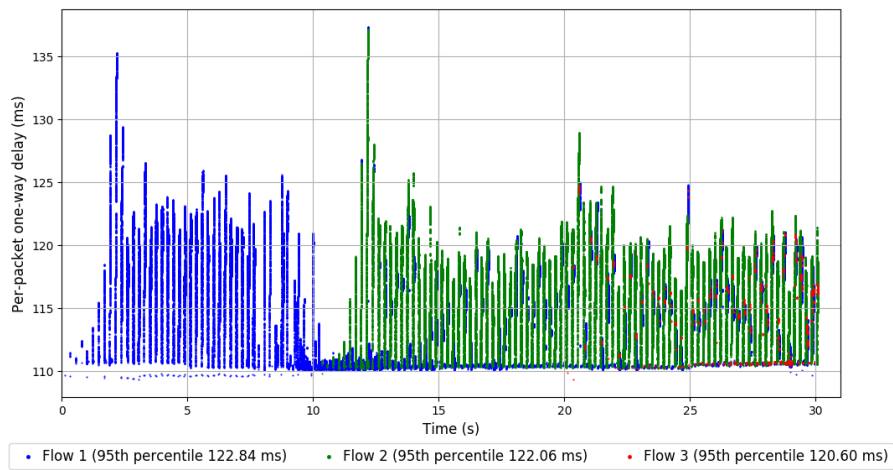
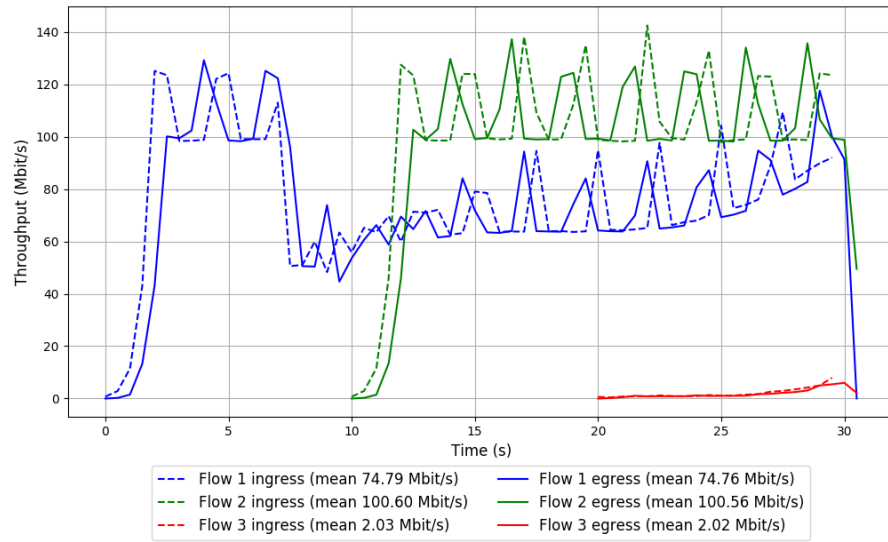
-- Flow 3:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 120.602 ms

Loss rate: 0.36%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-24 12:45:55

End at: 2018-07-24 12:46:25

Local clock offset: -0.187 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-24 16:42:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.63 Mbit/s

95th percentile per-packet one-way delay: 123.367 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 103.13 Mbit/s

95th percentile per-packet one-way delay: 123.981 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.36 Mbit/s

95th percentile per-packet one-way delay: 121.394 ms

Loss rate: 0.16%

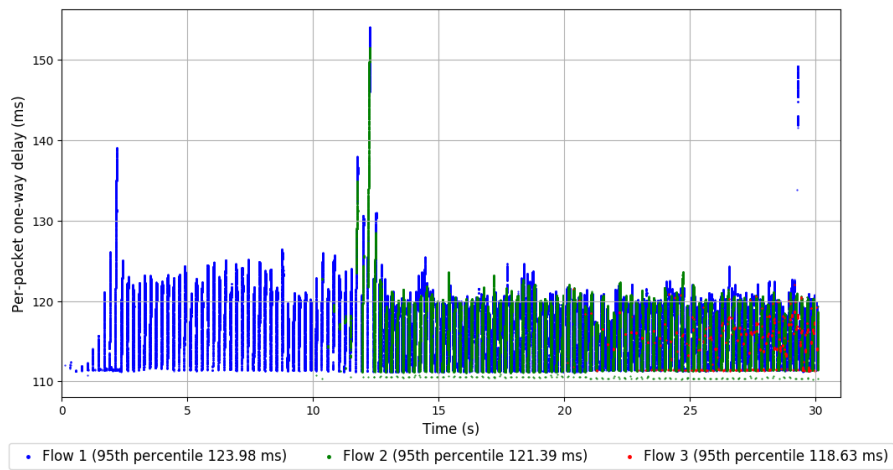
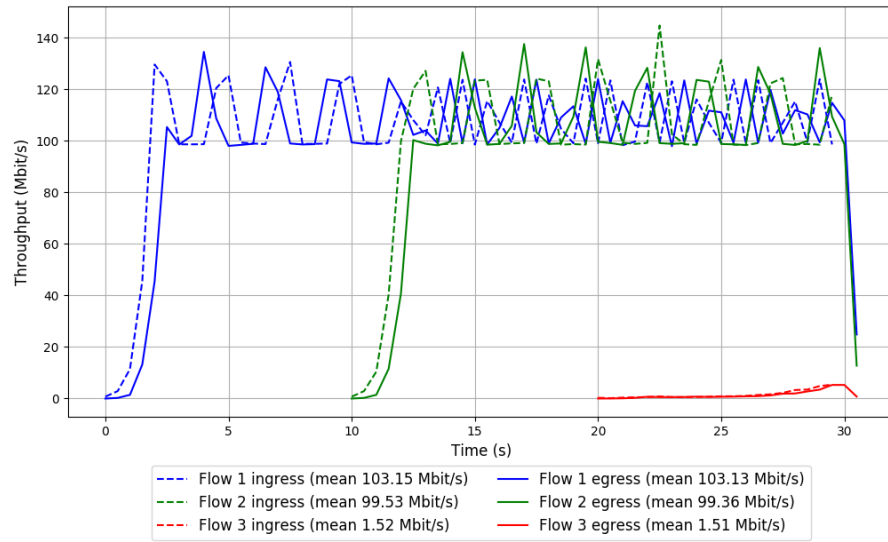
-- Flow 3:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 118.633 ms

Loss rate: 0.72%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-24 13:12:00

End at: 2018-07-24 13:12:30

Local clock offset: 0.081 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-24 16:42:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.49 Mbit/s

95th percentile per-packet one-way delay: 124.822 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 100.39 Mbit/s

95th percentile per-packet one-way delay: 124.194 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 21.62 Mbit/s

95th percentile per-packet one-way delay: 122.412 ms

Loss rate: 0.02%

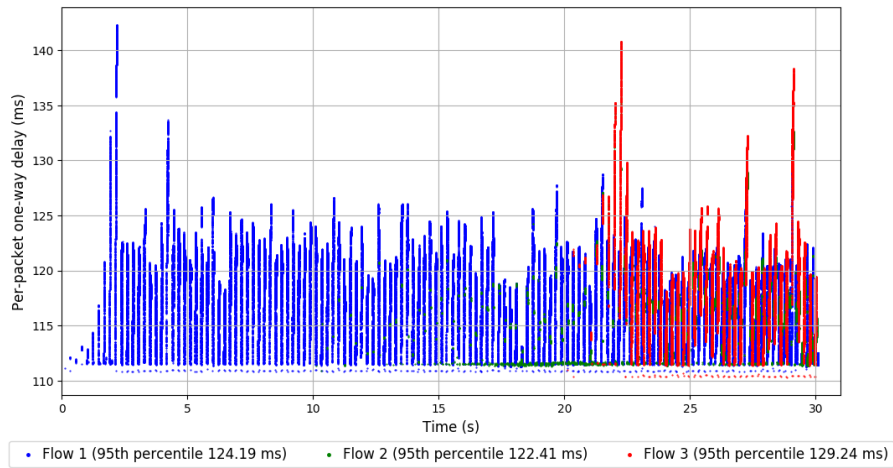
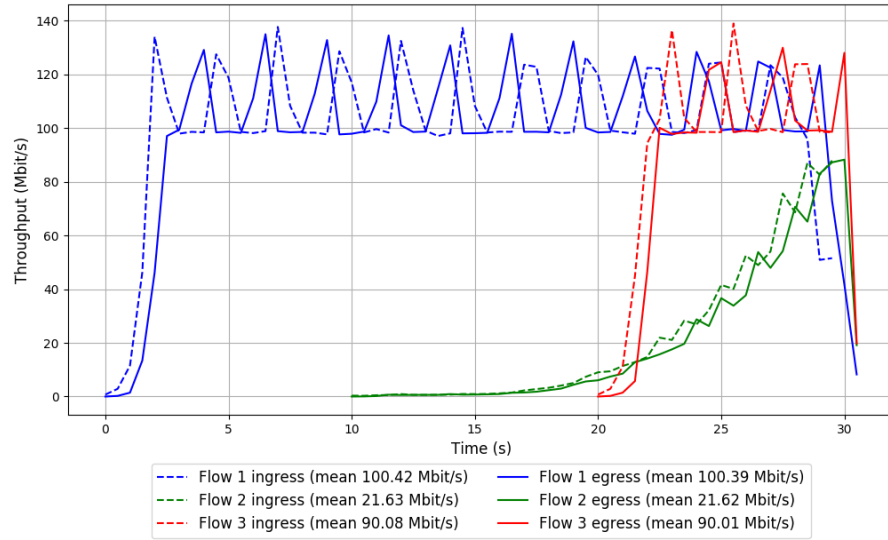
-- Flow 3:

Average throughput: 90.01 Mbit/s

95th percentile per-packet one-way delay: 129.242 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-24 13:37:57

End at: 2018-07-24 13:38:27

Local clock offset: 0.139 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-24 16:42:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.42 Mbit/s

95th percentile per-packet one-way delay: 125.196 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 102.50 Mbit/s

95th percentile per-packet one-way delay: 125.064 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 124.830 ms

Loss rate: 0.01%

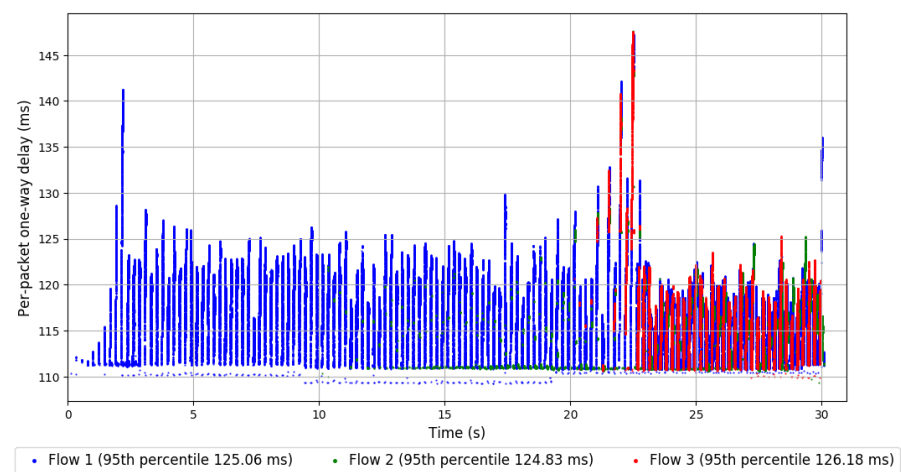
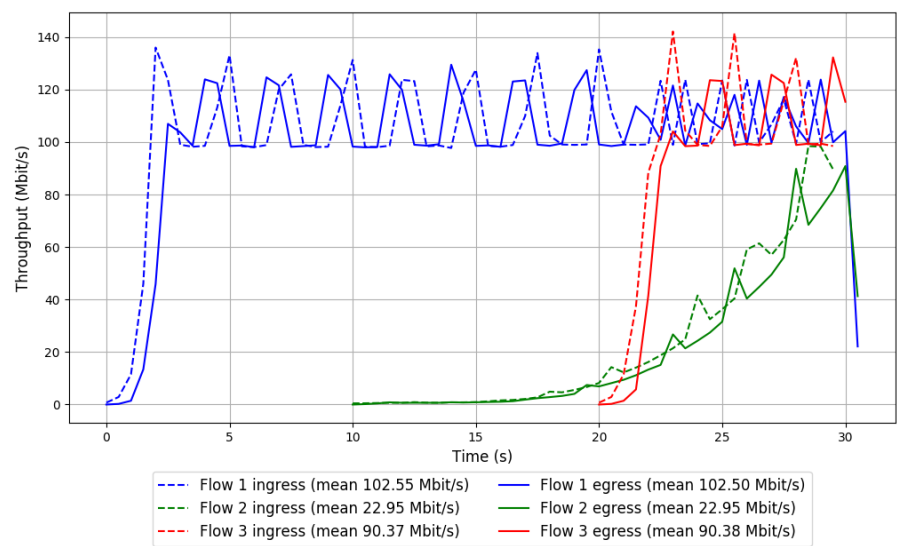
-- Flow 3:

Average throughput: 90.38 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

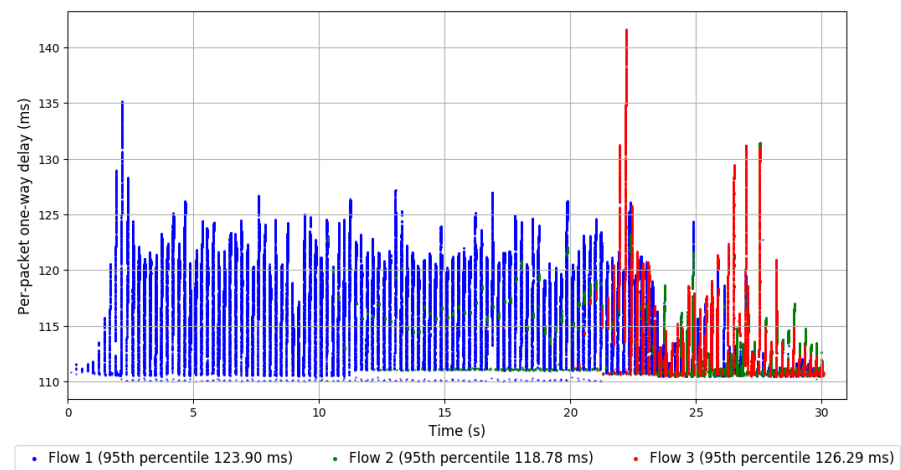
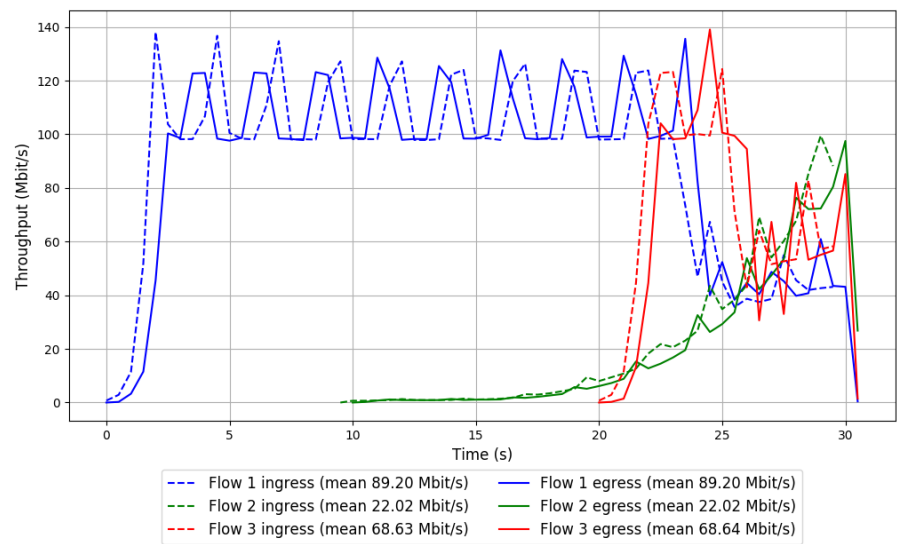


Run 6: Statistics of TCP Cubic

Start at: 2018-07-24 14:04:05
End at: 2018-07-24 14:04:35
Local clock offset: 0.018 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-07-24 16:42:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.66 Mbit/s
95th percentile per-packet one-way delay: 123.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 123.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.02 Mbit/s
95th percentile per-packet one-way delay: 118.785 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.64 Mbit/s
95th percentile per-packet one-way delay: 126.288 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

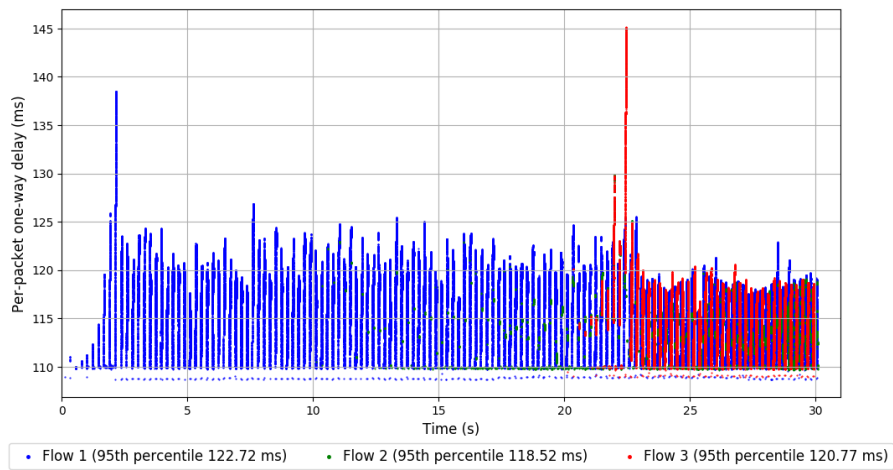
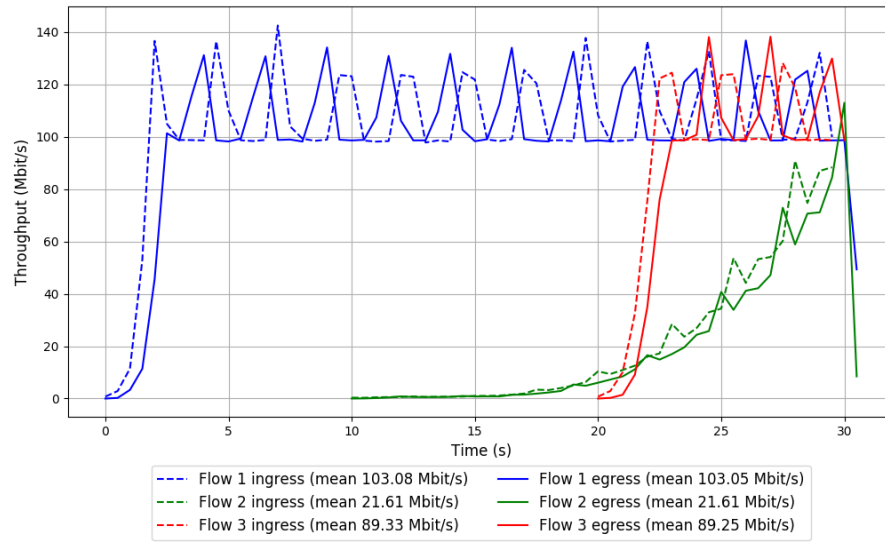


Run 7: Statistics of TCP Cubic

Start at: 2018-07-24 14:30:09
End at: 2018-07-24 14:30:39
Local clock offset: 1.2 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-24 16:42:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.61 Mbit/s
95th percentile per-packet one-way delay: 122.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.05 Mbit/s
95th percentile per-packet one-way delay: 122.723 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 118.517 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 120.771 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-24 14:56:16

End at: 2018-07-24 14:56:46

Local clock offset: 0.047 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-24 16:42:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.72 Mbit/s

95th percentile per-packet one-way delay: 123.200 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 90.80 Mbit/s

95th percentile per-packet one-way delay: 123.613 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.09 Mbit/s

95th percentile per-packet one-way delay: 121.983 ms

Loss rate: 0.00%

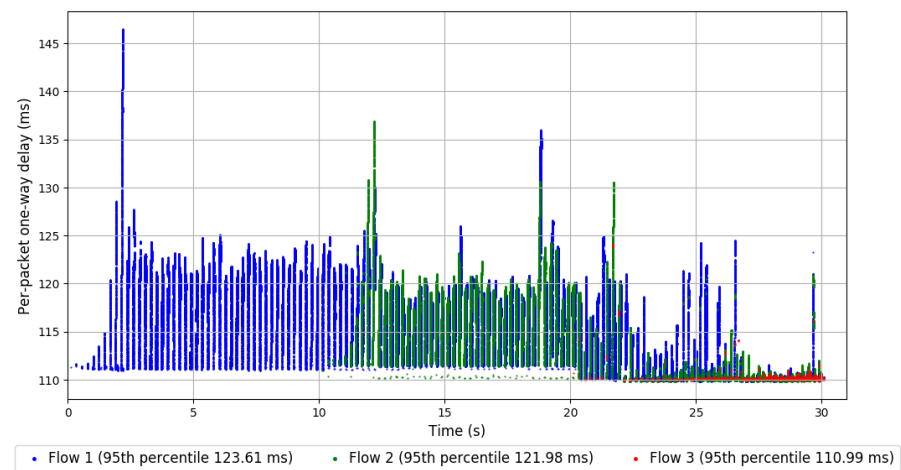
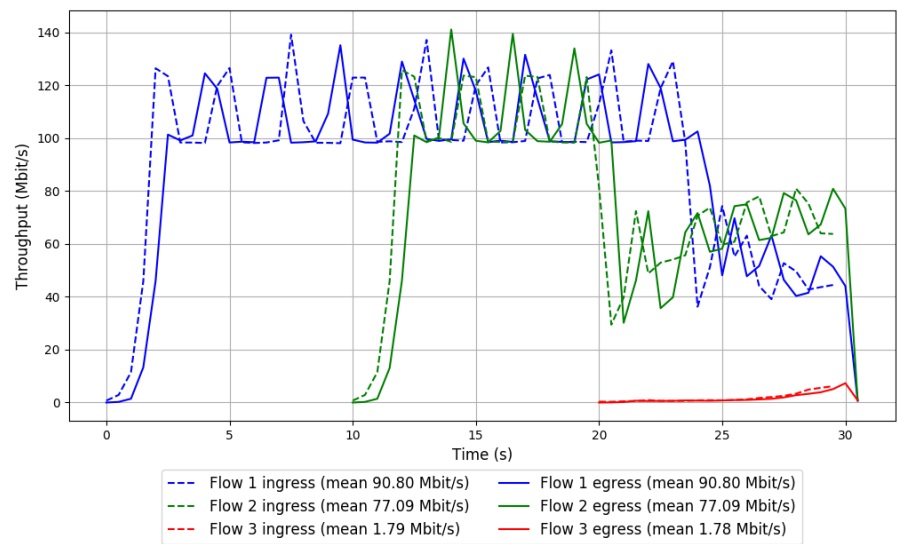
-- Flow 3:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 110.987 ms

Loss rate: 0.54%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-24 15:22:18

End at: 2018-07-24 15:22:48

Local clock offset: -0.214 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-24 16:43:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.68 Mbit/s

95th percentile per-packet one-way delay: 123.709 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 102.65 Mbit/s

95th percentile per-packet one-way delay: 124.128 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.63 Mbit/s

95th percentile per-packet one-way delay: 121.762 ms

Loss rate: 0.18%

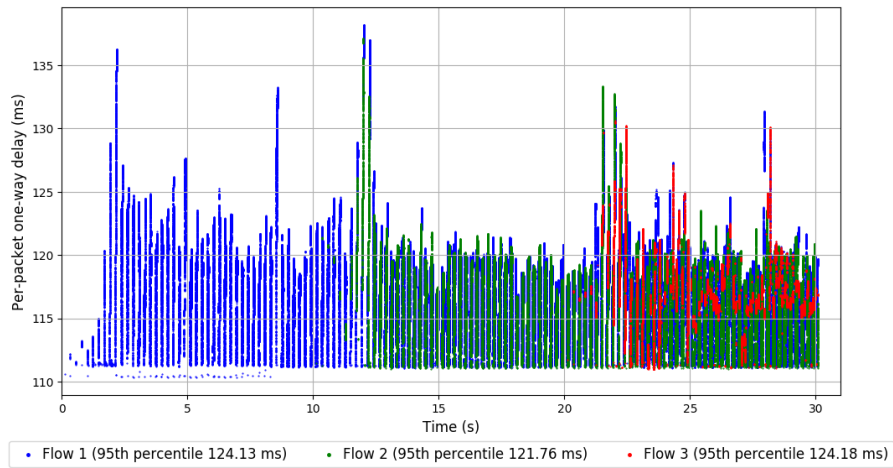
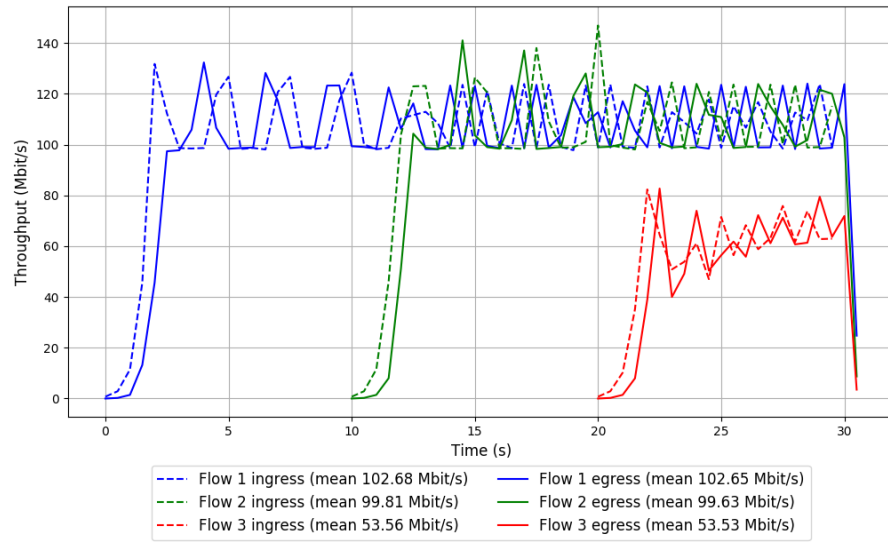
-- Flow 3:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 124.184 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-24 15:48:25

End at: 2018-07-24 15:48:55

Local clock offset: 0.092 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-07-24 16:43:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.15 Mbit/s

95th percentile per-packet one-way delay: 123.998 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 124.572 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.13 Mbit/s

95th percentile per-packet one-way delay: 123.443 ms

Loss rate: 0.00%

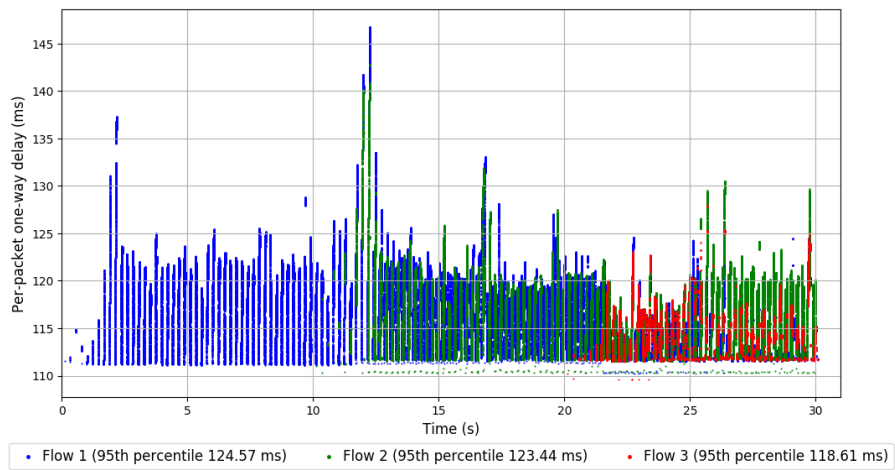
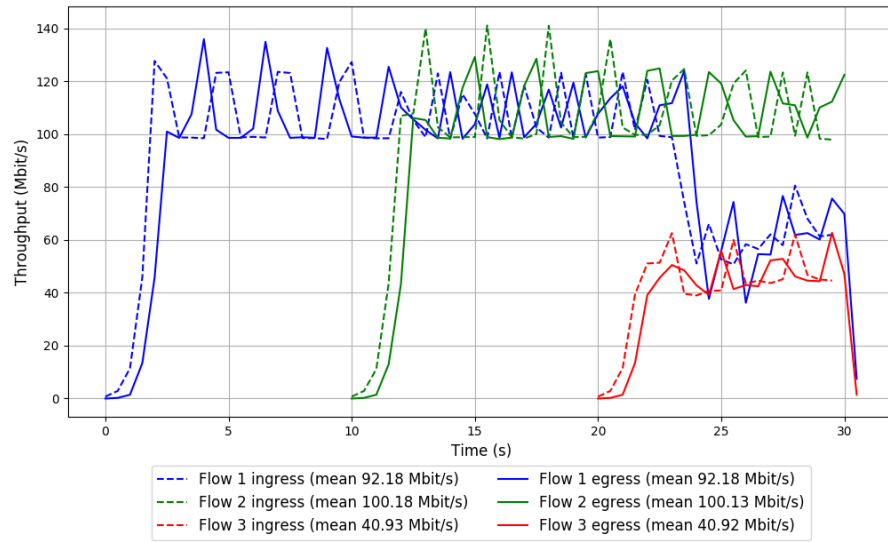
-- Flow 3:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 118.613 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

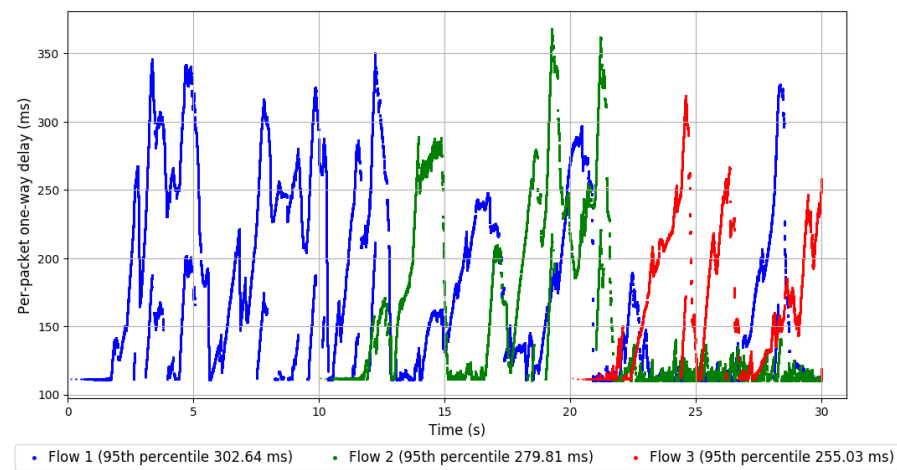
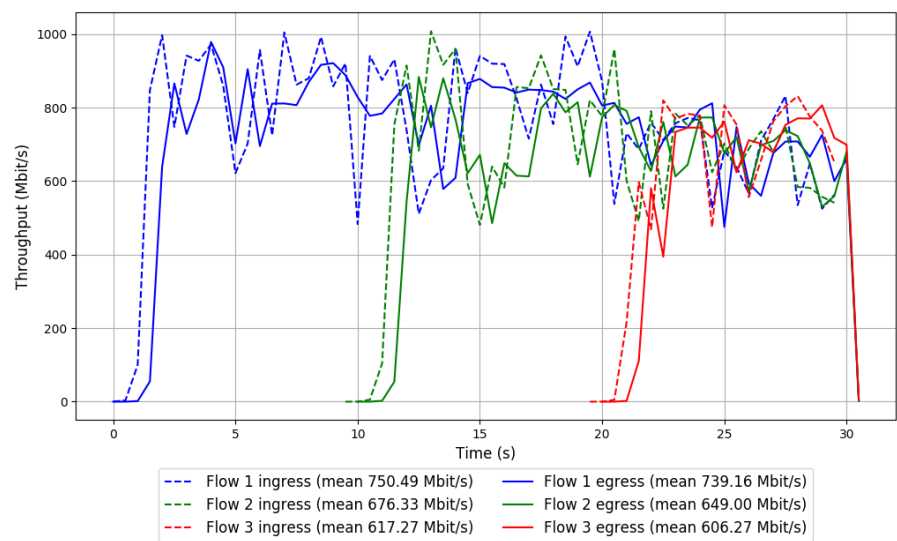


Run 1: Statistics of FillP

Start at: 2018-07-24 12:09:26
End at: 2018-07-24 12:09:56
Local clock offset: -0.082 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-24 17:07:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 1373.34 Mbit/s
95th percentile per-packet one-way delay: 296.163 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 739.16 Mbit/s
95th percentile per-packet one-way delay: 302.642 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 649.00 Mbit/s
95th percentile per-packet one-way delay: 279.809 ms
Loss rate: 4.05%
-- Flow 3:
Average throughput: 606.27 Mbit/s
95th percentile per-packet one-way delay: 255.028 ms
Loss rate: 1.79%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-24 12:36:18

End at: 2018-07-24 12:36:48

Local clock offset: 1.186 ms

Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-07-24 17:07:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 1243.07 Mbit/s

95th percentile per-packet one-way delay: 308.814 ms

Loss rate: 2.87%

-- Flow 1:

Average throughput: 638.07 Mbit/s

95th percentile per-packet one-way delay: 321.124 ms

Loss rate: 2.45%

-- Flow 2:

Average throughput: 643.13 Mbit/s

95th percentile per-packet one-way delay: 305.634 ms

Loss rate: 3.00%

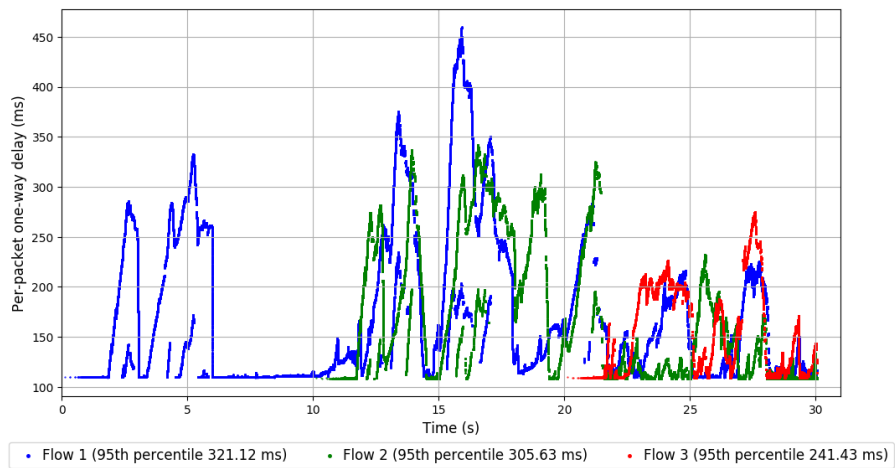
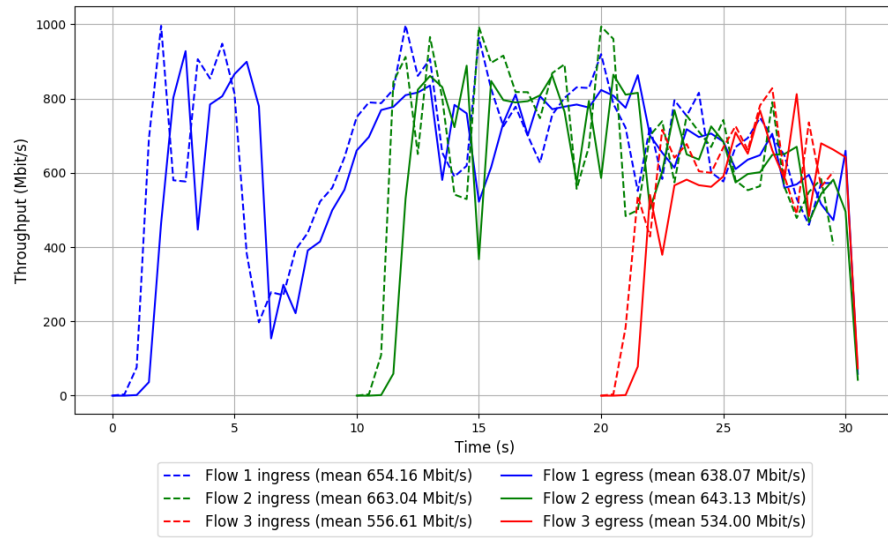
-- Flow 3:

Average throughput: 534.00 Mbit/s

95th percentile per-packet one-way delay: 241.430 ms

Loss rate: 4.02%

Run 2: Report of FillP — Data Link

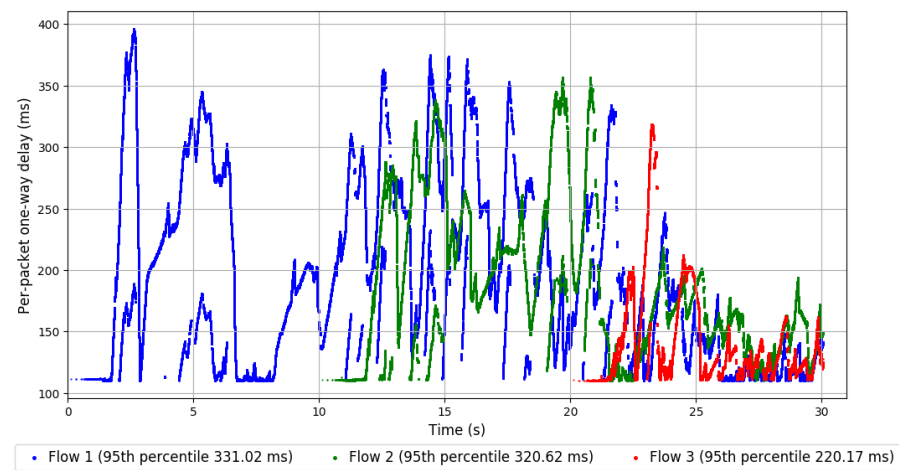
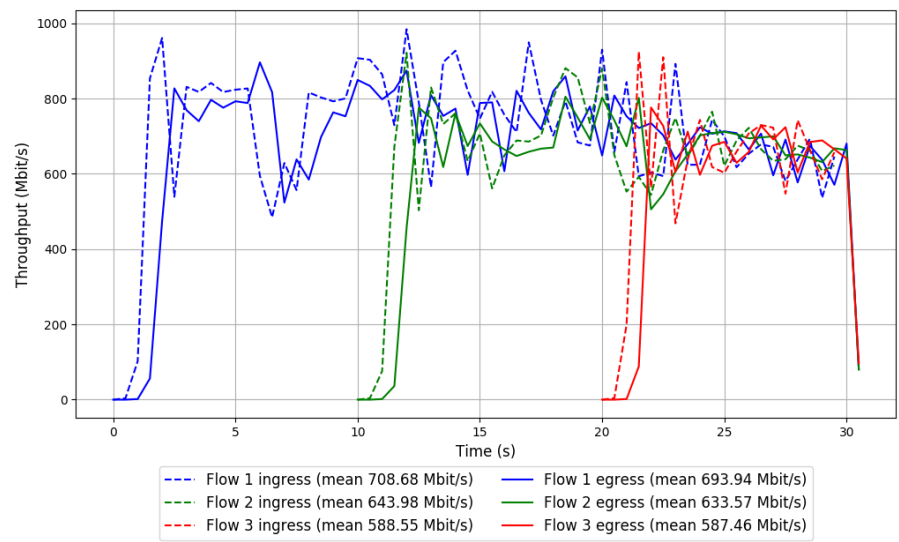


Run 3: Statistics of FillP

Start at: 2018-07-24 13:02:45
End at: 2018-07-24 13:03:15
Local clock offset: -0.101 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-24 17:07:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 1310.83 Mbit/s
95th percentile per-packet one-way delay: 326.097 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 693.94 Mbit/s
95th percentile per-packet one-way delay: 331.024 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 633.57 Mbit/s
95th percentile per-packet one-way delay: 320.615 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 587.46 Mbit/s
95th percentile per-packet one-way delay: 220.166 ms
Loss rate: 0.07%

Run 3: Report of FillP — Data Link

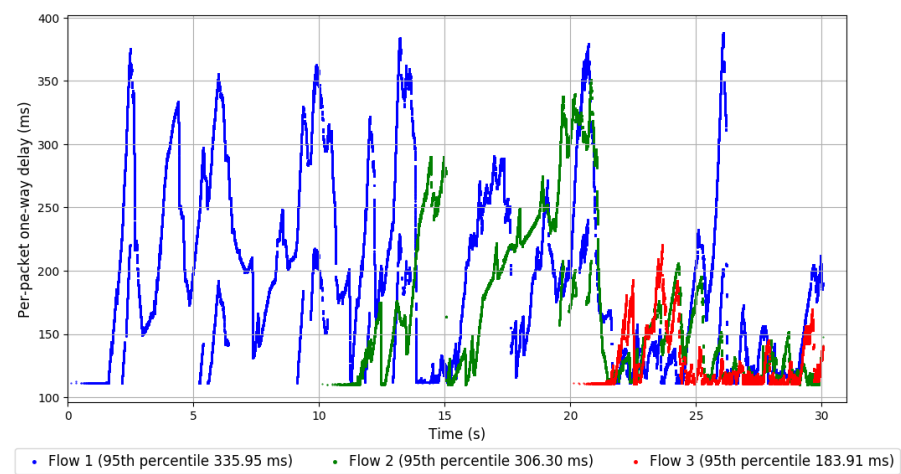
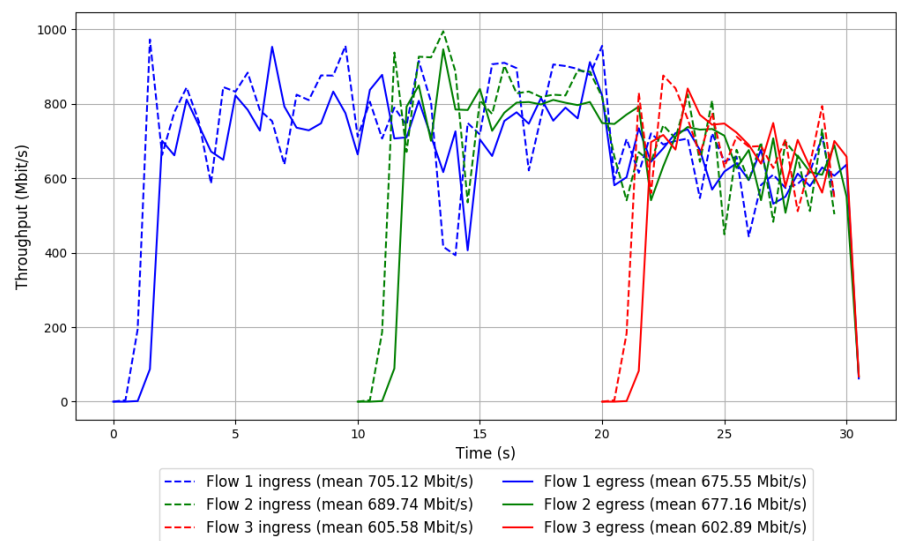


Run 4: Statistics of FillP

Start at: 2018-07-24 13:28:37
End at: 2018-07-24 13:29:07
Local clock offset: -1.153 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-07-24 17:07:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1326.23 Mbit/s
95th percentile per-packet one-way delay: 318.219 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 675.55 Mbit/s
95th percentile per-packet one-way delay: 335.946 ms
Loss rate: 4.18%
-- Flow 2:
Average throughput: 677.16 Mbit/s
95th percentile per-packet one-way delay: 306.297 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 602.89 Mbit/s
95th percentile per-packet one-way delay: 183.911 ms
Loss rate: 0.41%

Run 4: Report of FillP — Data Link

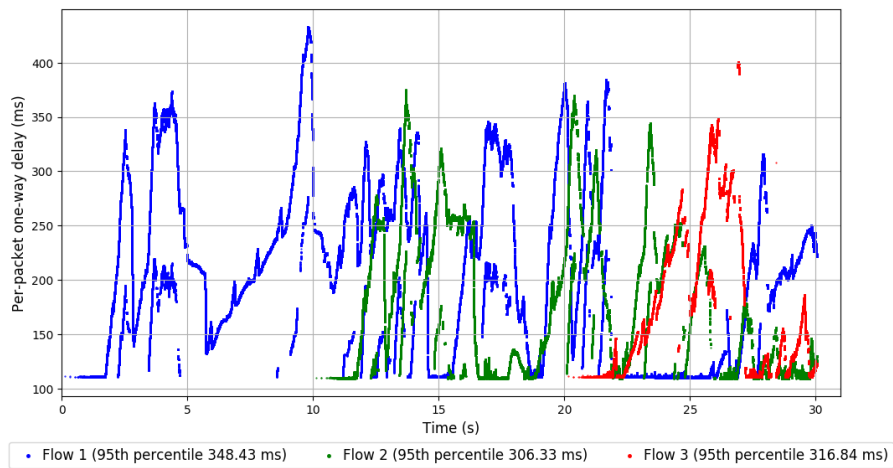
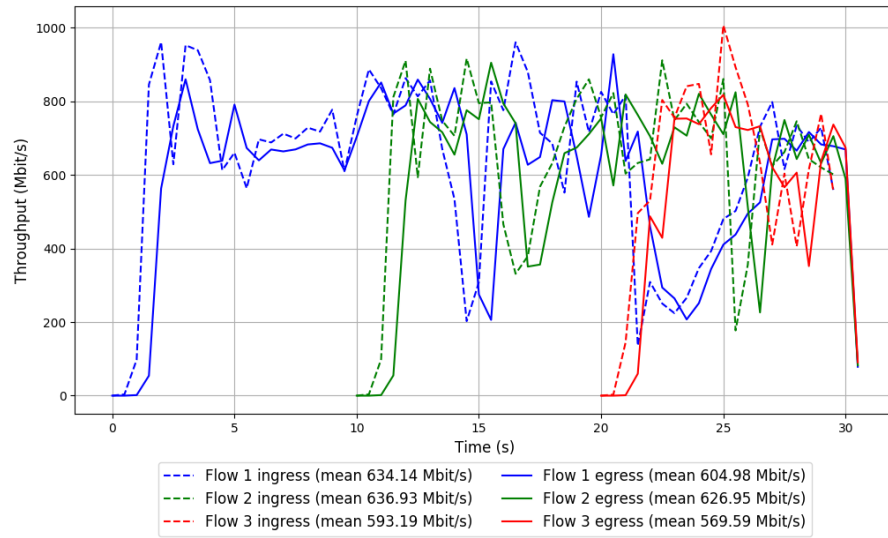


Run 5: Statistics of FillP

Start at: 2018-07-24 13:54:53
End at: 2018-07-24 13:55:23
Local clock offset: 0.086 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-07-24 17:07:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1210.83 Mbit/s
95th percentile per-packet one-way delay: 333.446 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 604.98 Mbit/s
95th percentile per-packet one-way delay: 348.427 ms
Loss rate: 4.60%
-- Flow 2:
Average throughput: 626.95 Mbit/s
95th percentile per-packet one-way delay: 306.327 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 569.59 Mbit/s
95th percentile per-packet one-way delay: 316.839 ms
Loss rate: 3.99%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-24 14:20:53

End at: 2018-07-24 14:21:23

Local clock offset: 0.063 ms

Remote clock offset: 0.377 ms

Below is generated by plot.py at 2018-07-24 17:07:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 1140.37 Mbit/s

95th percentile per-packet one-way delay: 334.159 ms

Loss rate: 3.69%

-- Flow 1:

Average throughput: 667.42 Mbit/s

95th percentile per-packet one-way delay: 332.148 ms

Loss rate: 4.68%

-- Flow 2:

Average throughput: 561.39 Mbit/s

95th percentile per-packet one-way delay: 343.325 ms

Loss rate: 2.35%

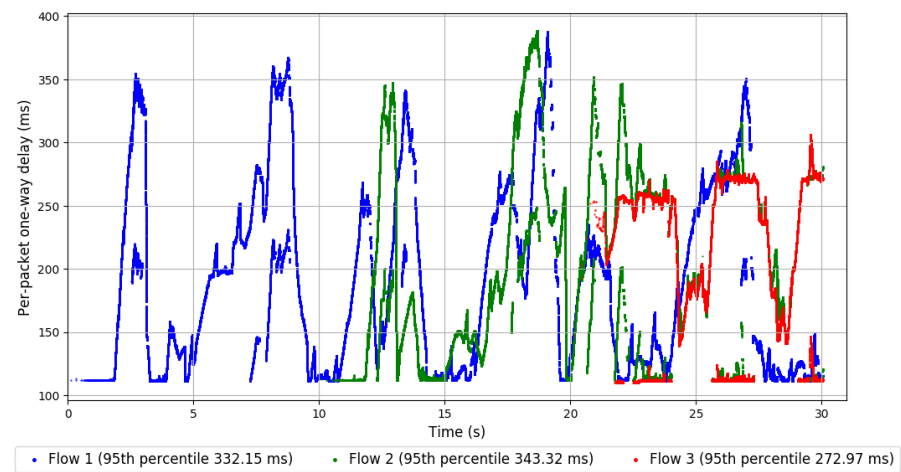
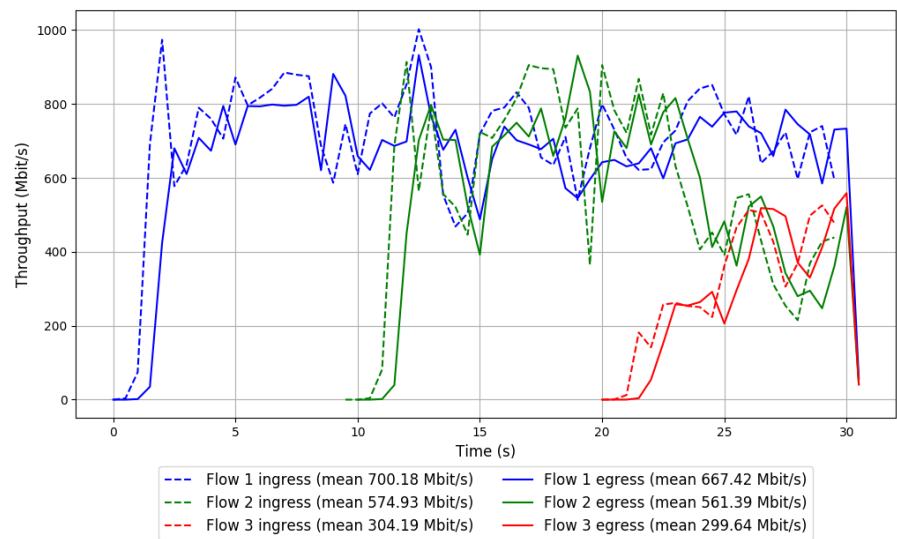
-- Flow 3:

Average throughput: 299.64 Mbit/s

95th percentile per-packet one-way delay: 272.974 ms

Loss rate: 1.85%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-24 14:47:01

End at: 2018-07-24 14:47:31

Local clock offset: 0.026 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-24 17:08:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1313.90 Mbit/s

95th percentile per-packet one-way delay: 291.347 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 680.15 Mbit/s

95th percentile per-packet one-way delay: 301.721 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 654.60 Mbit/s

95th percentile per-packet one-way delay: 266.035 ms

Loss rate: 2.45%

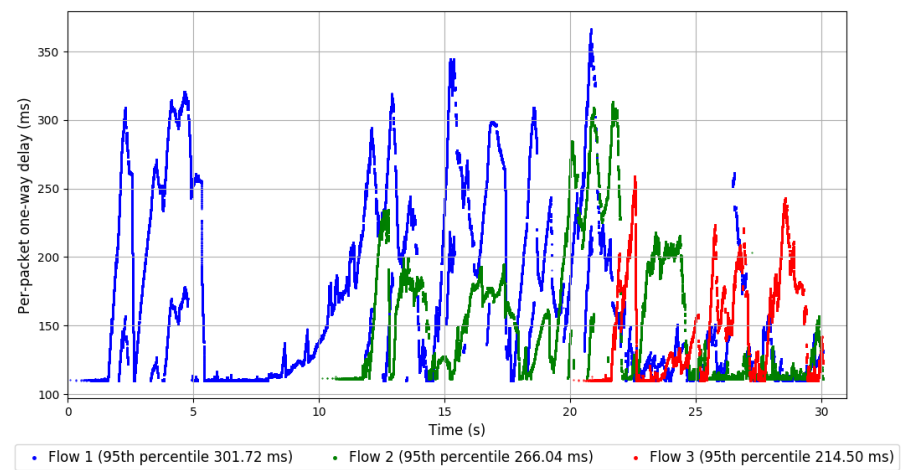
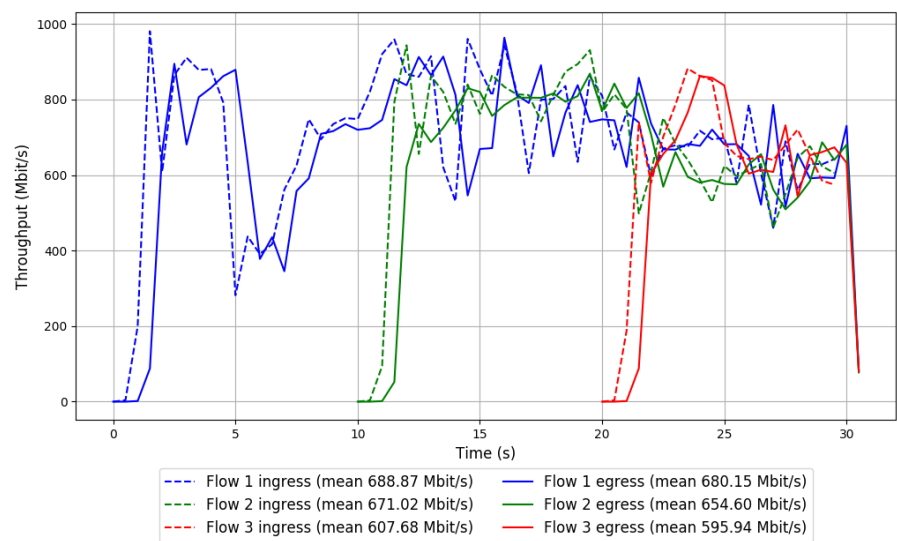
-- Flow 3:

Average throughput: 595.94 Mbit/s

95th percentile per-packet one-way delay: 214.504 ms

Loss rate: 1.87%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-24 15:12:57

End at: 2018-07-24 15:13:27

Local clock offset: 0.012 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-07-24 17:08:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1176.38 Mbit/s

95th percentile per-packet one-way delay: 311.361 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 685.37 Mbit/s

95th percentile per-packet one-way delay: 322.357 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 524.36 Mbit/s

95th percentile per-packet one-way delay: 295.356 ms

Loss rate: 1.28%

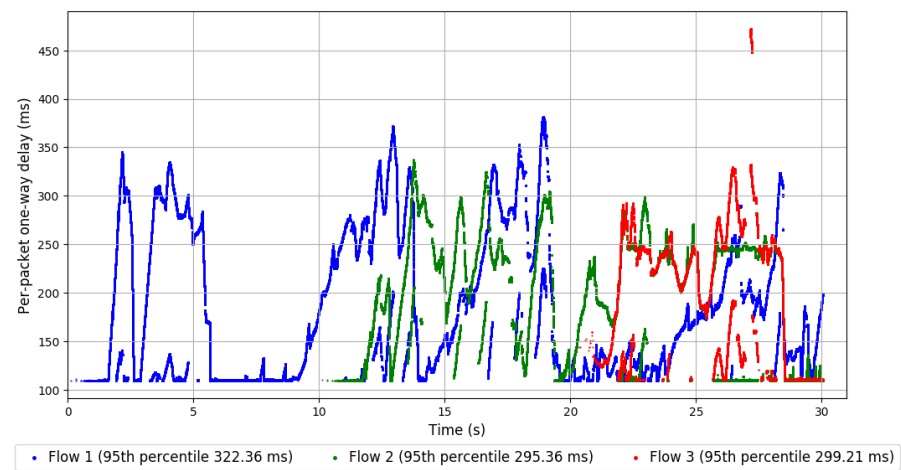
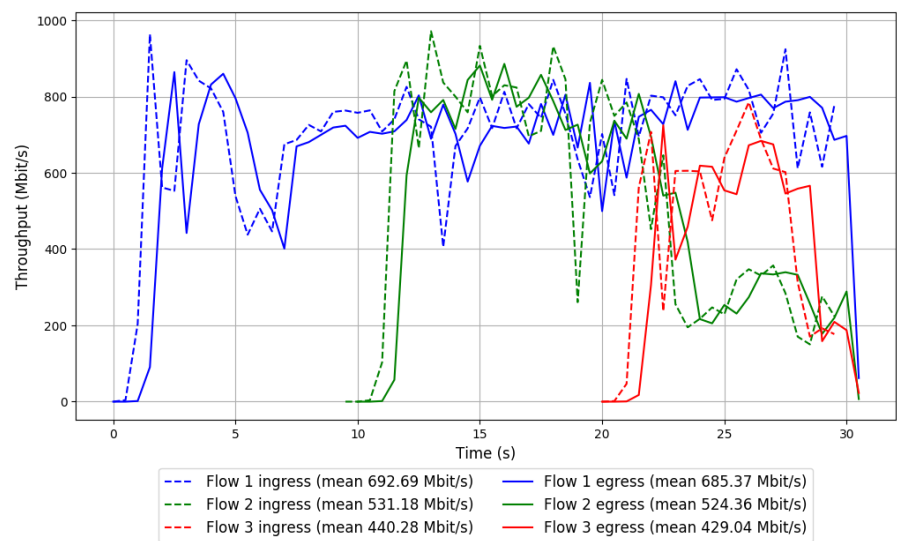
-- Flow 3:

Average throughput: 429.04 Mbit/s

95th percentile per-packet one-way delay: 299.206 ms

Loss rate: 2.77%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-24 15:39:07

End at: 2018-07-24 15:39:37

Local clock offset: -0.324 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-24 17:29:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 1295.92 Mbit/s

95th percentile per-packet one-way delay: 262.385 ms

Loss rate: 4.11%

-- Flow 1:

Average throughput: 677.59 Mbit/s

95th percentile per-packet one-way delay: 307.563 ms

Loss rate: 4.92%

-- Flow 2:

Average throughput: 646.54 Mbit/s

95th percentile per-packet one-way delay: 230.260 ms

Loss rate: 3.26%

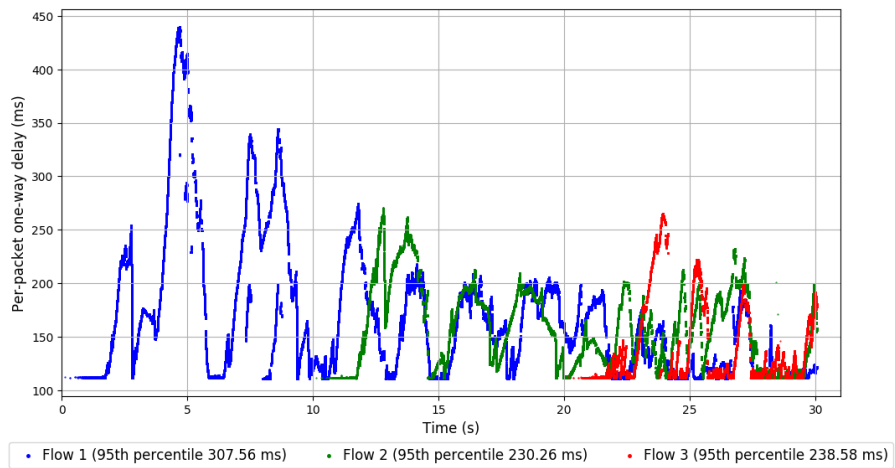
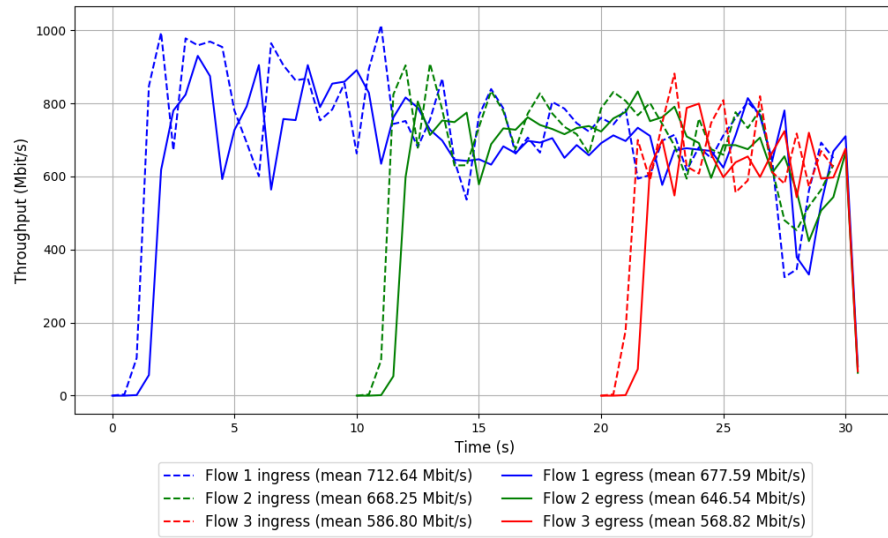
-- Flow 3:

Average throughput: 568.82 Mbit/s

95th percentile per-packet one-way delay: 238.577 ms

Loss rate: 3.10%

Run 9: Report of FillP — Data Link

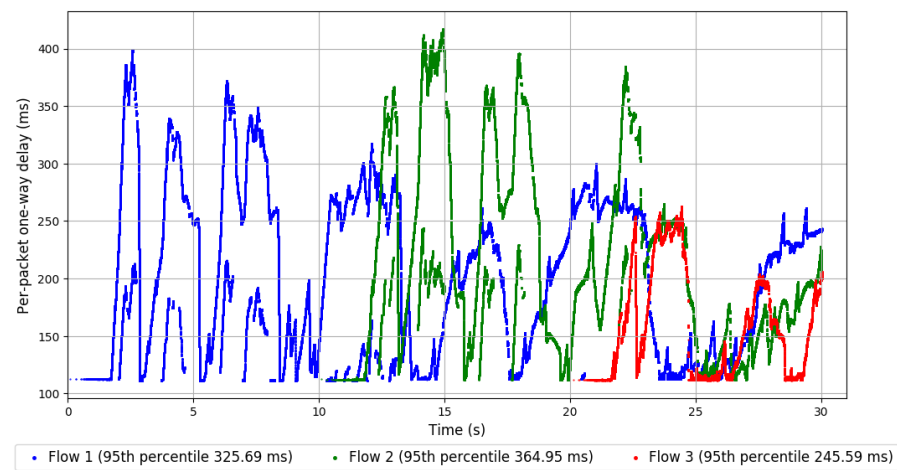
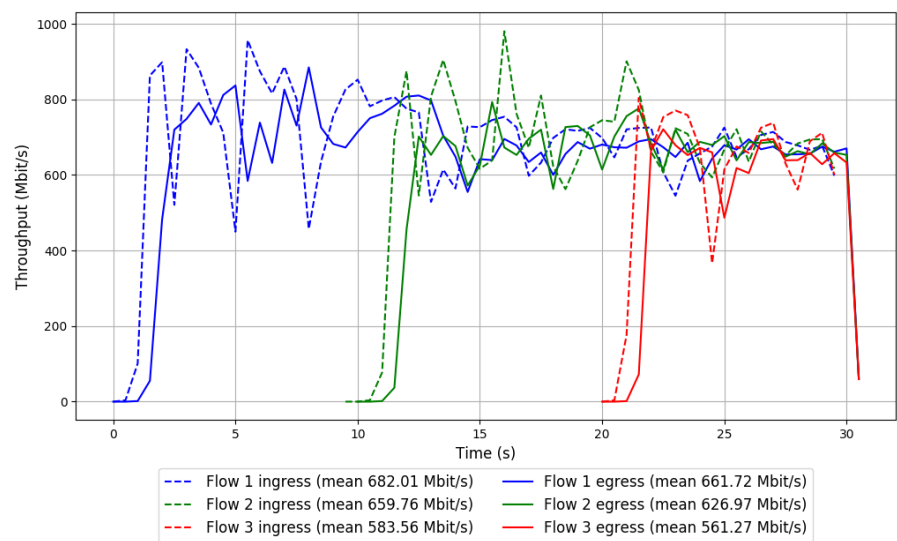


Run 10: Statistics of FillP

Start at: 2018-07-24 16:05:23
End at: 2018-07-24 16:05:53
Local clock offset: -1.217 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-24 17:29:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1265.33 Mbit/s
95th percentile per-packet one-way delay: 341.584 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 661.72 Mbit/s
95th percentile per-packet one-way delay: 325.694 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 626.97 Mbit/s
95th percentile per-packet one-way delay: 364.953 ms
Loss rate: 4.97%
-- Flow 3:
Average throughput: 561.27 Mbit/s
95th percentile per-packet one-way delay: 245.589 ms
Loss rate: 3.82%

Run 10: Report of FillP — Data Link

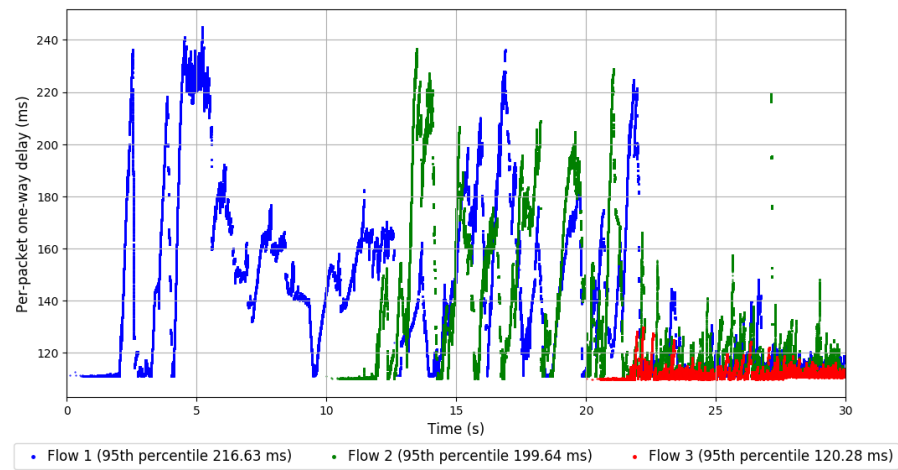
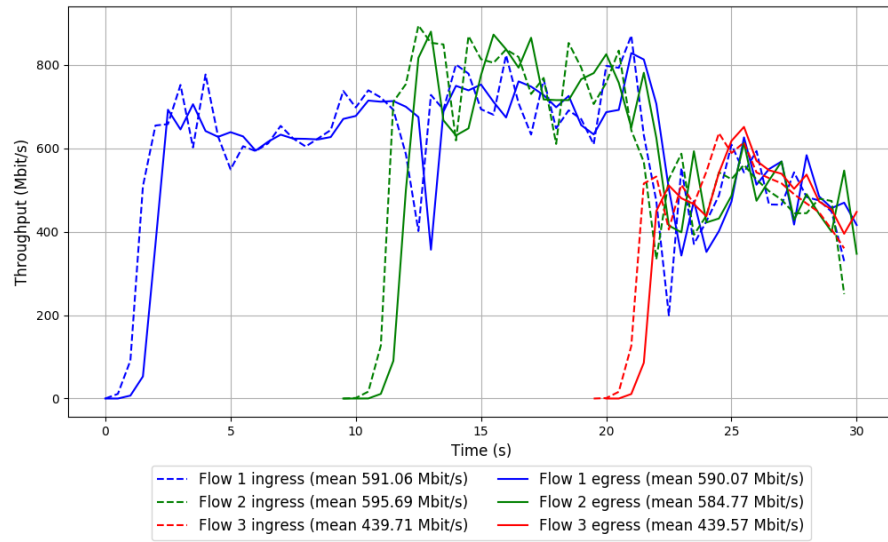


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 12:00:38
End at: 2018-07-24 12:01:08
Local clock offset: 0.038 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-07-24 17:29:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1126.97 Mbit/s
95th percentile per-packet one-way delay: 205.852 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 590.07 Mbit/s
95th percentile per-packet one-way delay: 216.626 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 584.77 Mbit/s
95th percentile per-packet one-way delay: 199.641 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 439.57 Mbit/s
95th percentile per-packet one-way delay: 120.279 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

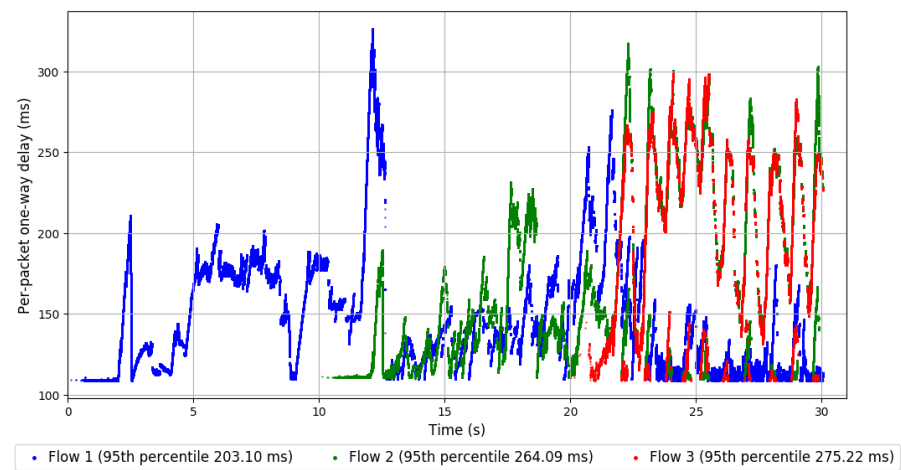
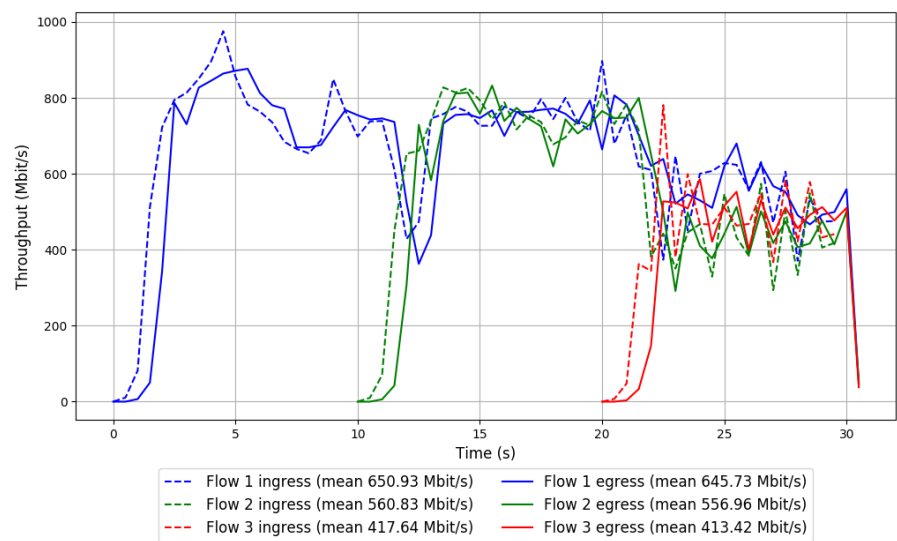


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-24 12:27:33
End at: 2018-07-24 12:28:03
Local clock offset: 0.04 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-07-24 17:29:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1153.10 Mbit/s
95th percentile per-packet one-way delay: 255.532 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 645.73 Mbit/s
95th percentile per-packet one-way delay: 203.099 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 556.96 Mbit/s
95th percentile per-packet one-way delay: 264.089 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 413.42 Mbit/s
95th percentile per-packet one-way delay: 275.223 ms
Loss rate: 1.01%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-24 12:54:17

End at: 2018-07-24 12:54:47

Local clock offset: 1.228 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-24 17:29:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 947.19 Mbit/s

95th percentile per-packet one-way delay: 251.569 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 310.30 Mbit/s

95th percentile per-packet one-way delay: 316.842 ms

Loss rate: 2.65%

-- Flow 2:

Average throughput: 652.52 Mbit/s

95th percentile per-packet one-way delay: 201.599 ms

Loss rate: 0.72%

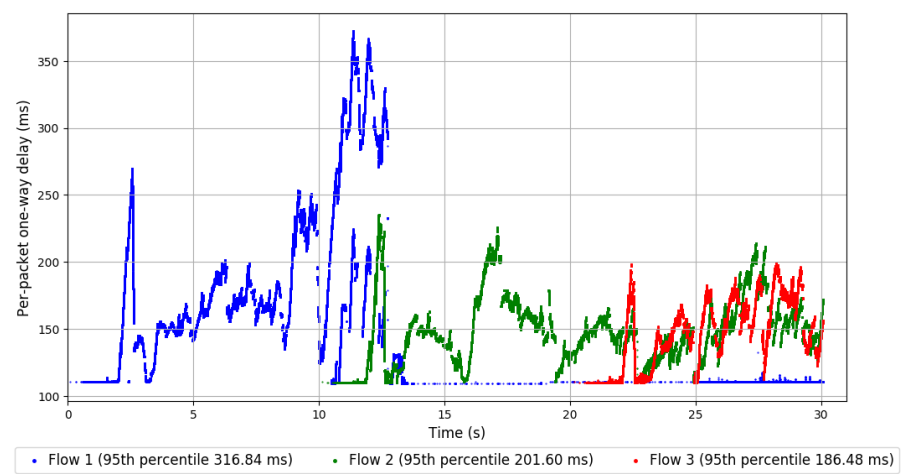
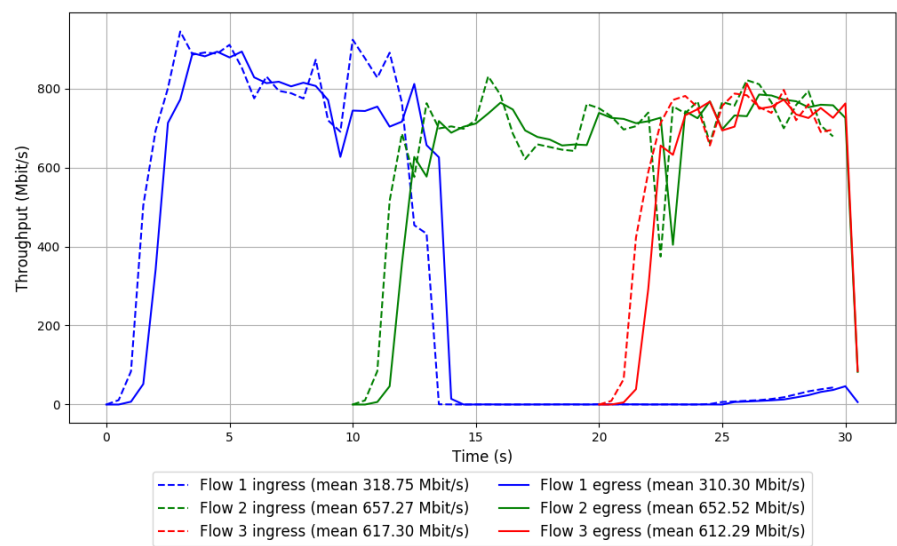
-- Flow 3:

Average throughput: 612.29 Mbit/s

95th percentile per-packet one-way delay: 186.480 ms

Loss rate: 0.80%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-24 13:20:28

End at: 2018-07-24 13:20:58

Local clock offset: 1.233 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-24 17:29:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1158.90 Mbit/s

95th percentile per-packet one-way delay: 193.010 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 639.49 Mbit/s

95th percentile per-packet one-way delay: 200.997 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 537.79 Mbit/s

95th percentile per-packet one-way delay: 189.832 ms

Loss rate: 0.07%

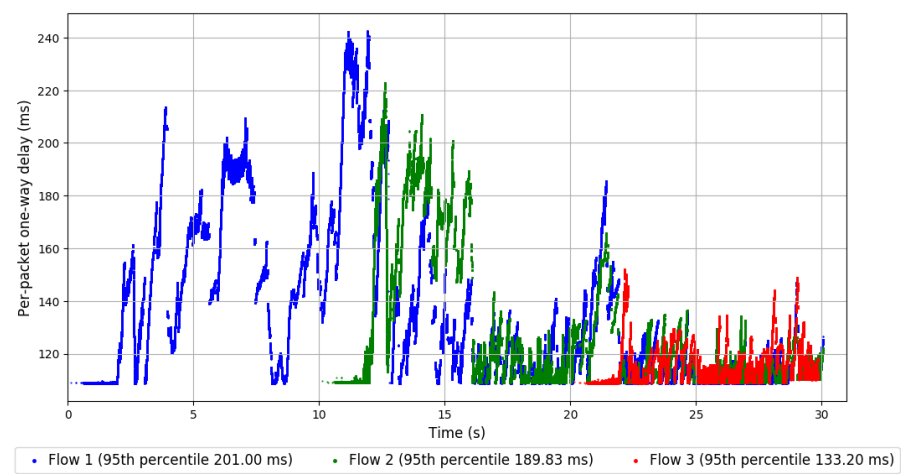
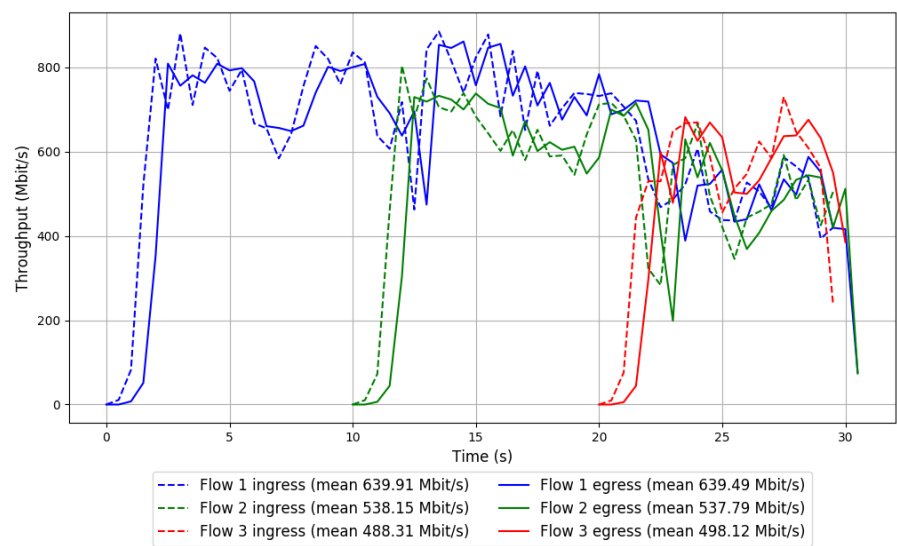
-- Flow 3:

Average throughput: 498.12 Mbit/s

95th percentile per-packet one-way delay: 133.202 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-24 13:46:20

End at: 2018-07-24 13:46:50

Local clock offset: 1.098 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2018-07-24 17:31:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 1240.93 Mbit/s

95th percentile per-packet one-way delay: 208.868 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 686.06 Mbit/s

95th percentile per-packet one-way delay: 218.798 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 578.73 Mbit/s

95th percentile per-packet one-way delay: 204.939 ms

Loss rate: 1.26%

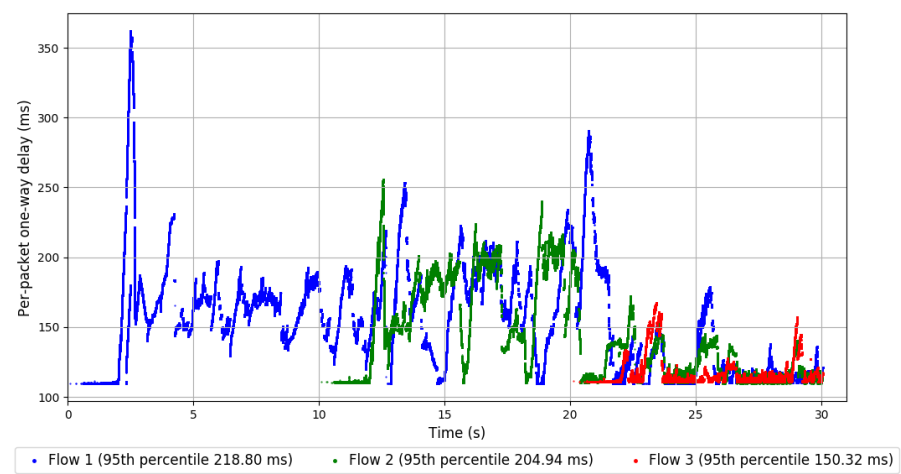
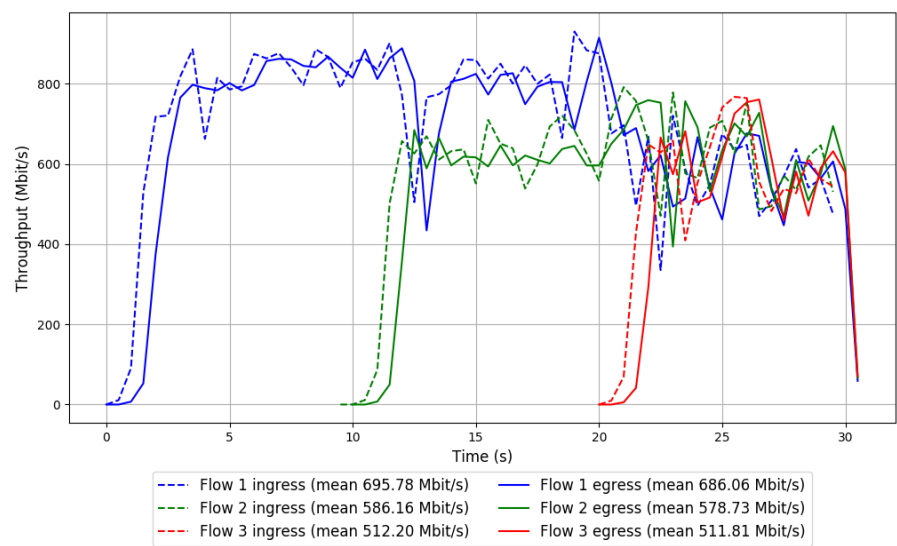
-- Flow 3:

Average throughput: 511.81 Mbit/s

95th percentile per-packet one-way delay: 150.322 ms

Loss rate: 0.08%

Run 5: Report of FillP-Sheep — Data Link

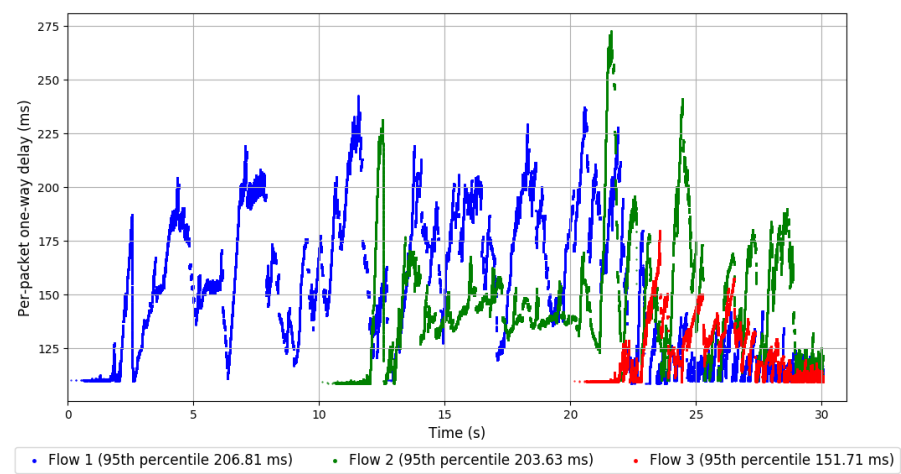
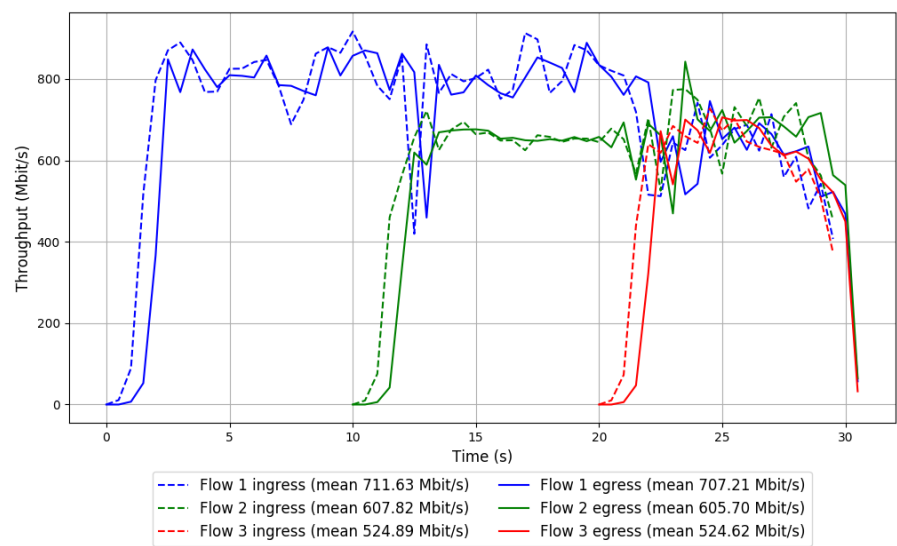


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-24 14:12:20
End at: 2018-07-24 14:12:50
Local clock offset: 1.317 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-24 17:34:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1283.72 Mbit/s
95th percentile per-packet one-way delay: 204.259 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 707.21 Mbit/s
95th percentile per-packet one-way delay: 206.812 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 605.70 Mbit/s
95th percentile per-packet one-way delay: 203.630 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 524.62 Mbit/s
95th percentile per-packet one-way delay: 151.709 ms
Loss rate: 0.04%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-24 14:38:35

End at: 2018-07-24 14:39:05

Local clock offset: -0.069 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-24 17:49:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 1186.60 Mbit/s

95th percentile per-packet one-way delay: 222.572 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 621.87 Mbit/s

95th percentile per-packet one-way delay: 243.751 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 607.90 Mbit/s

95th percentile per-packet one-way delay: 182.336 ms

Loss rate: 0.32%

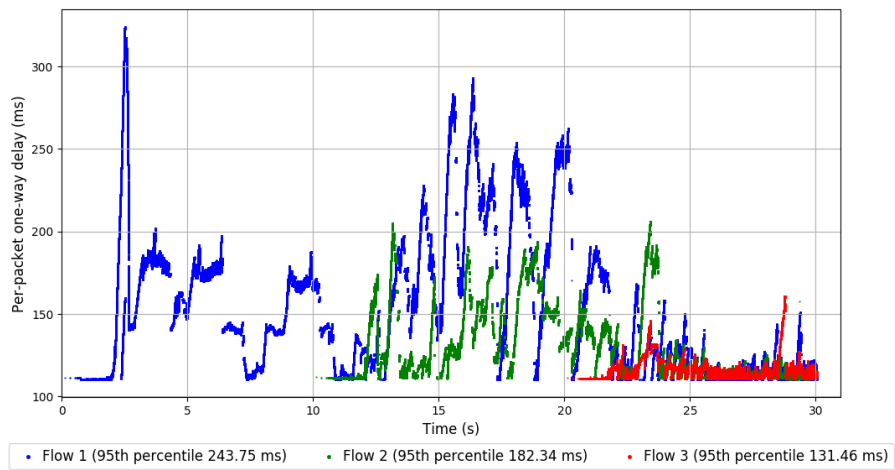
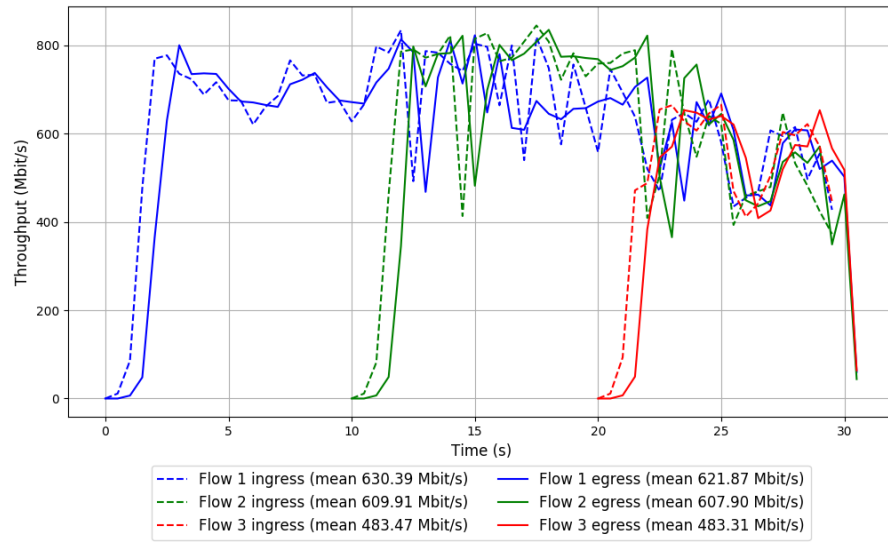
-- Flow 3:

Average throughput: 483.31 Mbit/s

95th percentile per-packet one-way delay: 131.457 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-24 15:04:35

End at: 2018-07-24 15:05:05

Local clock offset: 0.404 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-07-24 17:51:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 1192.80 Mbit/s

95th percentile per-packet one-way delay: 189.746 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 632.51 Mbit/s

95th percentile per-packet one-way delay: 195.219 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 589.22 Mbit/s

95th percentile per-packet one-way delay: 177.171 ms

Loss rate: 0.57%

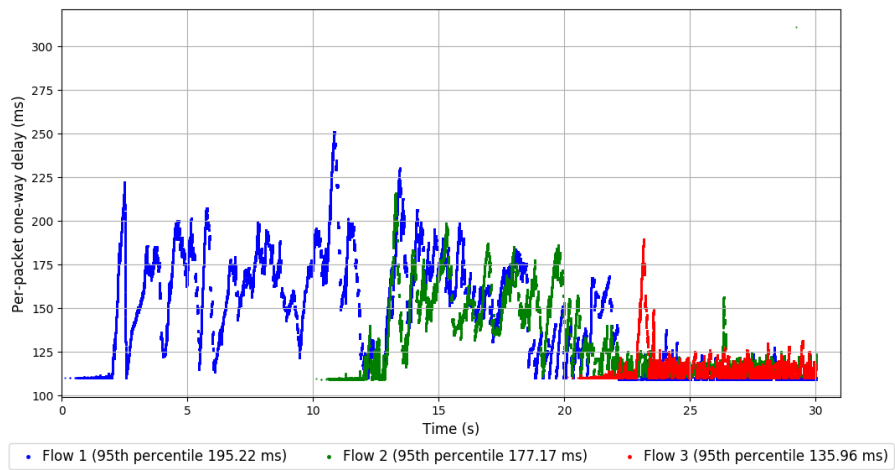
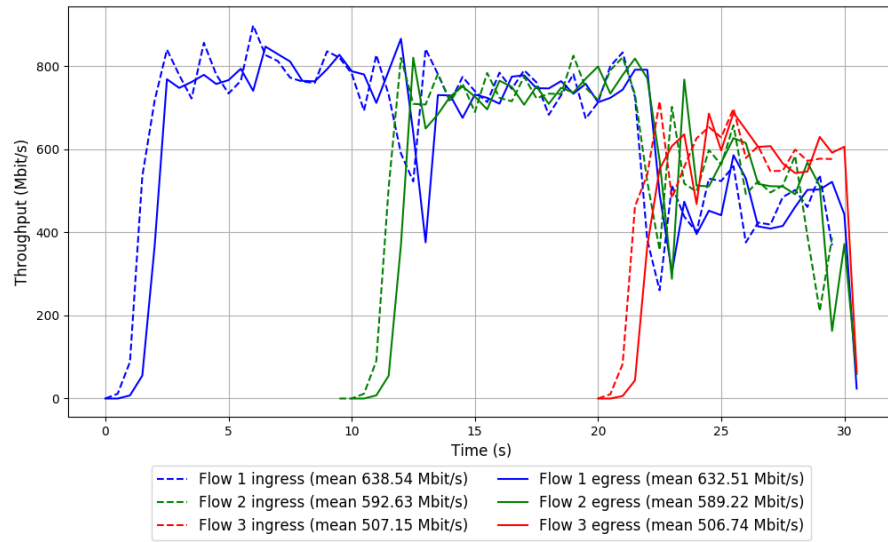
-- Flow 3:

Average throughput: 506.74 Mbit/s

95th percentile per-packet one-way delay: 135.955 ms

Loss rate: 0.04%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-24 15:30:42

End at: 2018-07-24 15:31:12

Local clock offset: 0.118 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-24 17:51:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1198.60 Mbit/s

95th percentile per-packet one-way delay: 195.706 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 658.25 Mbit/s

95th percentile per-packet one-way delay: 205.792 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 554.18 Mbit/s

95th percentile per-packet one-way delay: 186.003 ms

Loss rate: 0.26%

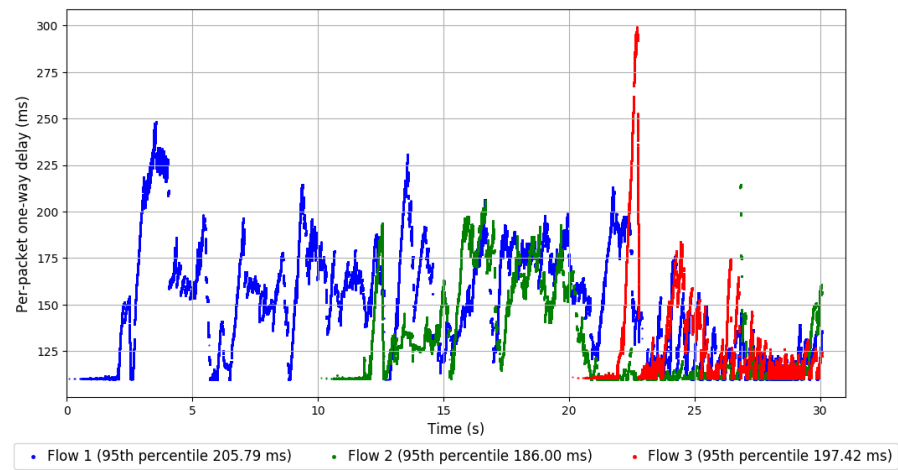
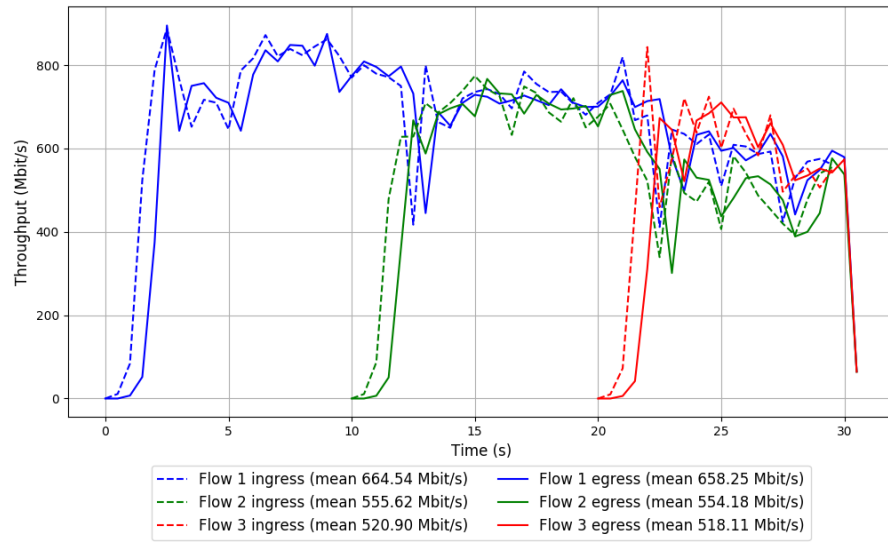
-- Flow 3:

Average throughput: 518.11 Mbit/s

95th percentile per-packet one-way delay: 197.416 ms

Loss rate: 0.53%

Run 9: Report of FillP-Sheep — Data Link

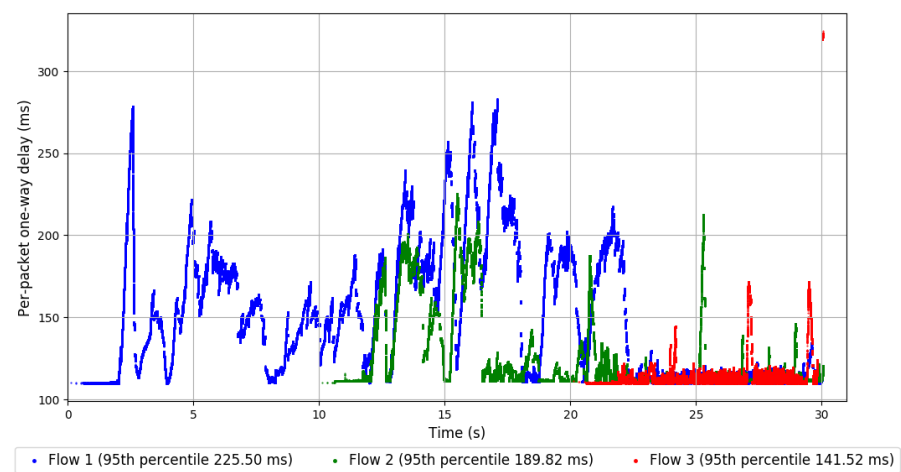
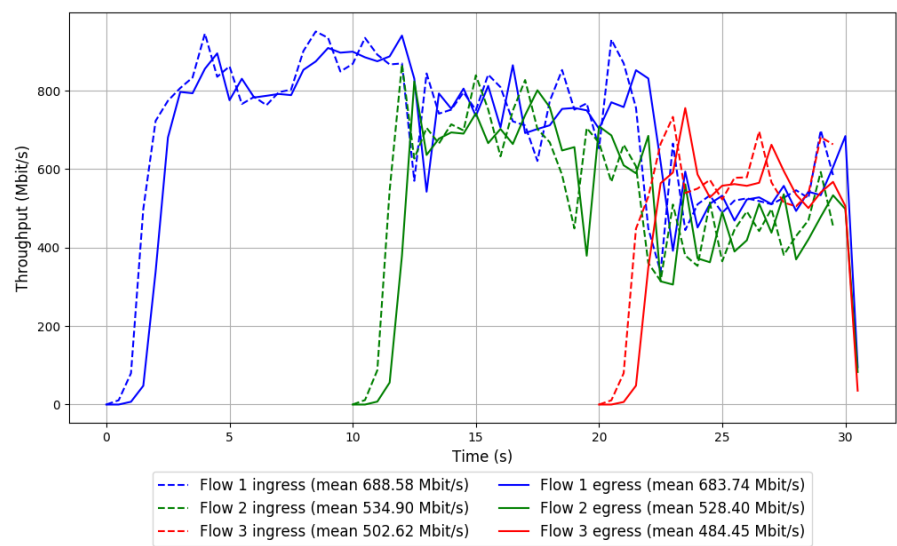


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-24 15:56:54
End at: 2018-07-24 15:57:24
Local clock offset: 0.091 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1196.14 Mbit/s
95th percentile per-packet one-way delay: 212.792 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 683.74 Mbit/s
95th percentile per-packet one-way delay: 225.500 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 528.40 Mbit/s
95th percentile per-packet one-way delay: 189.816 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 484.45 Mbit/s
95th percentile per-packet one-way delay: 141.517 ms
Loss rate: 3.61%

Run 10: Report of FillP-Sheep — Data Link

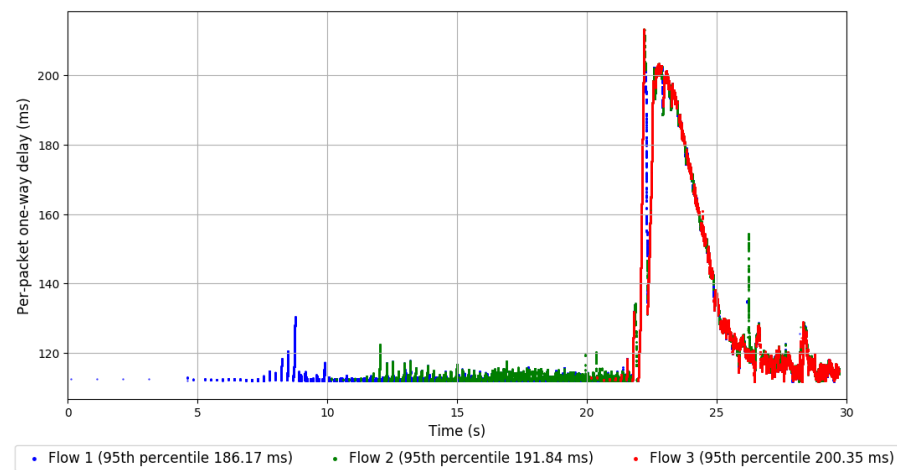
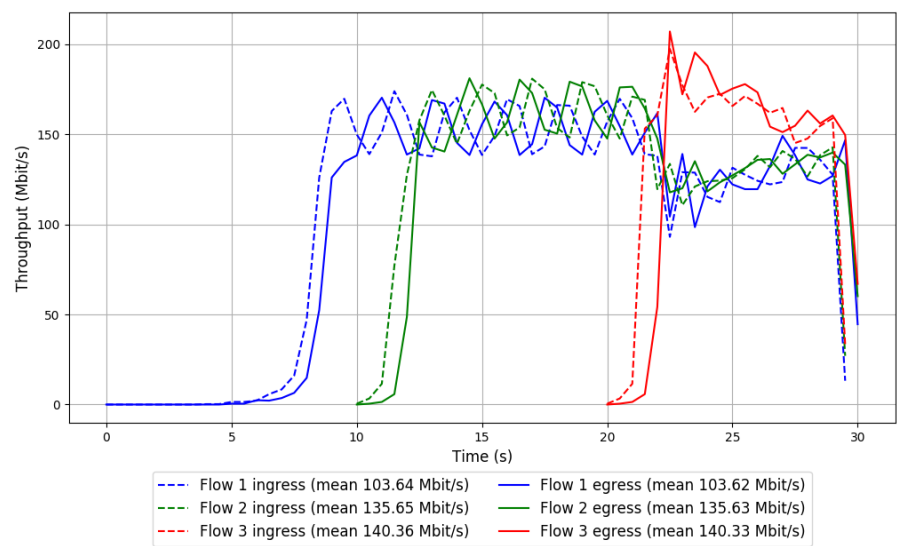


Run 1: Statistics of Indigo

Start at: 2018-07-24 12:12:02
End at: 2018-07-24 12:12:32
Local clock offset: -1.354 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.54 Mbit/s
95th percentile per-packet one-way delay: 194.376 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 103.62 Mbit/s
95th percentile per-packet one-way delay: 186.166 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 135.63 Mbit/s
95th percentile per-packet one-way delay: 191.841 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 140.33 Mbit/s
95th percentile per-packet one-way delay: 200.355 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-24 12:38:42

End at: 2018-07-24 12:39:12

Local clock offset: -0.057 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.99 Mbit/s

95th percentile per-packet one-way delay: 128.906 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 143.52 Mbit/s

95th percentile per-packet one-way delay: 128.261 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 137.21 Mbit/s

95th percentile per-packet one-way delay: 128.924 ms

Loss rate: 0.00%

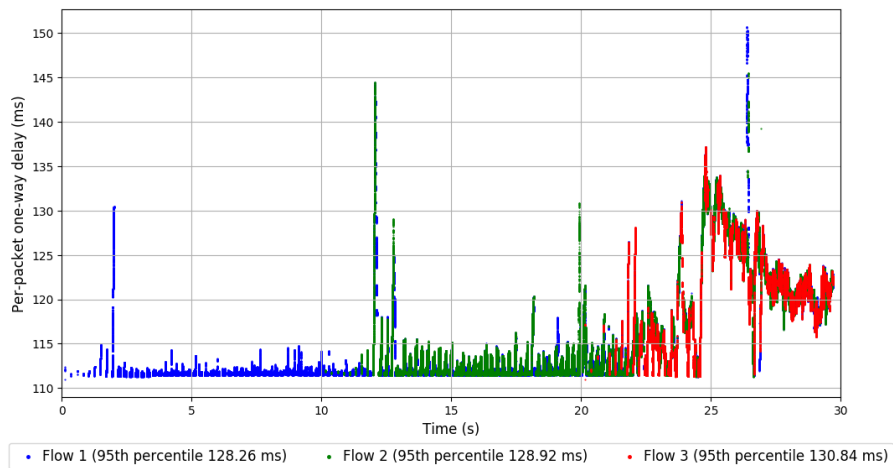
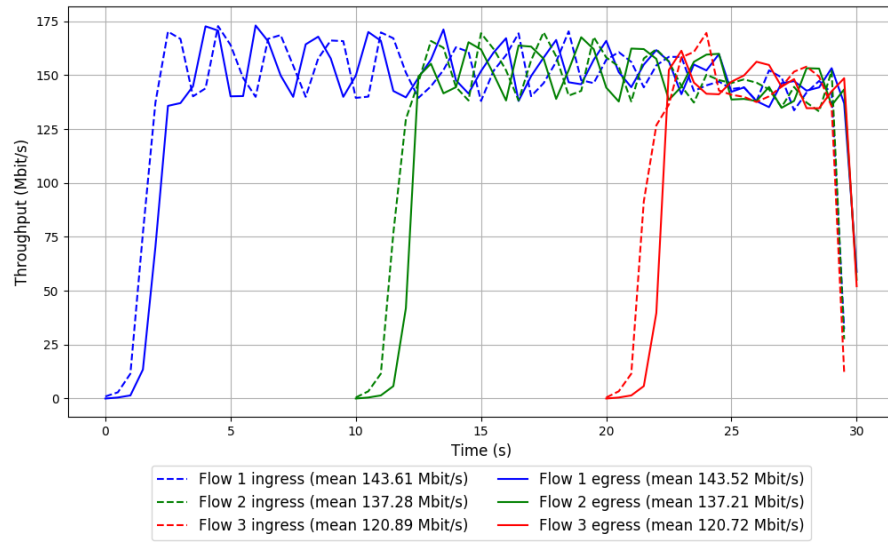
-- Flow 3:

Average throughput: 120.72 Mbit/s

95th percentile per-packet one-way delay: 130.838 ms

Loss rate: 0.16%

Run 2: Report of Indigo — Data Link

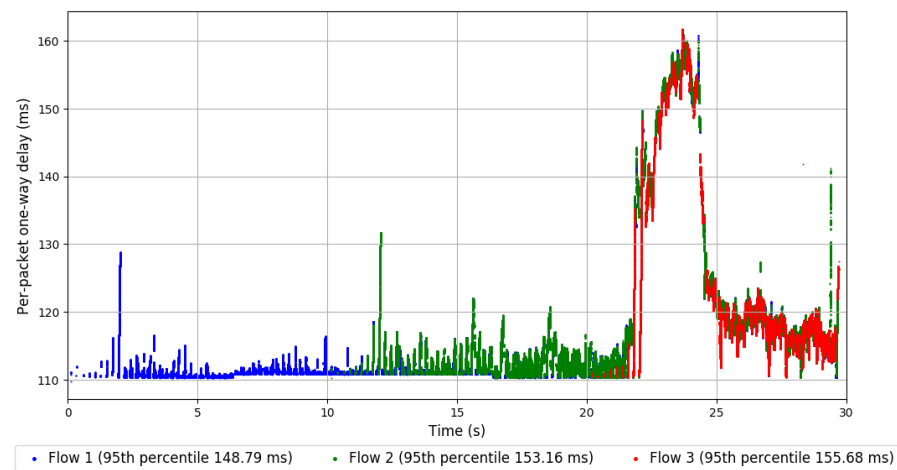
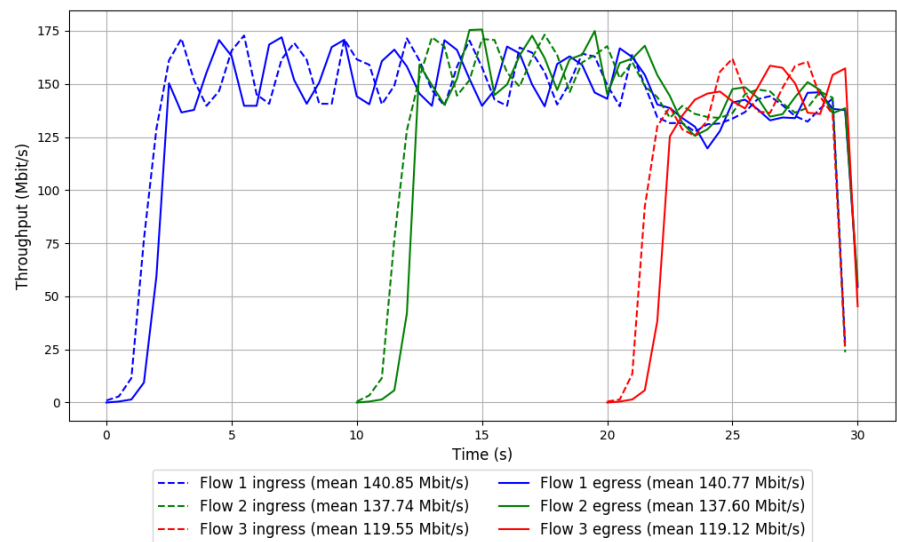


Run 3: Statistics of Indigo

Start at: 2018-07-24 13:04:59
End at: 2018-07-24 13:05:29
Local clock offset: 0.184 ms
Remote clock offset: -0.324 ms

```
# Below is generated by plot.py at 2018-07-24 17:53:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.90 Mbit/s
95th percentile per-packet one-way delay: 152.875 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 140.77 Mbit/s
95th percentile per-packet one-way delay: 148.792 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 137.60 Mbit/s
95th percentile per-packet one-way delay: 153.163 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 119.12 Mbit/s
95th percentile per-packet one-way delay: 155.675 ms
Loss rate: 0.35%
```


Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-24 13:30:52

End at: 2018-07-24 13:31:22

Local clock offset: -0.26 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.13 Mbit/s

95th percentile per-packet one-way delay: 143.257 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 143.90 Mbit/s

95th percentile per-packet one-way delay: 140.179 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 133.81 Mbit/s

95th percentile per-packet one-way delay: 144.304 ms

Loss rate: 0.12%

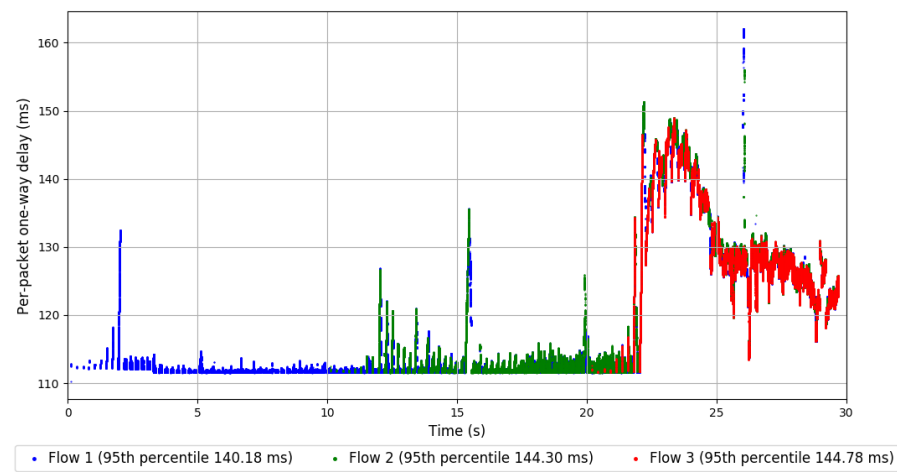
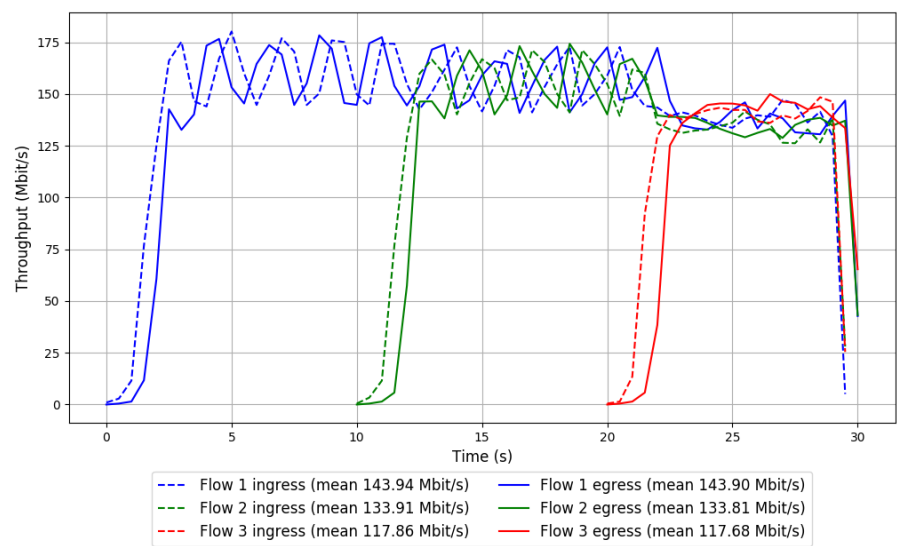
-- Flow 3:

Average throughput: 117.68 Mbit/s

95th percentile per-packet one-way delay: 144.782 ms

Loss rate: 0.07%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-24 13:57:03

End at: 2018-07-24 13:57:33

Local clock offset: 0.057 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.86 Mbit/s

95th percentile per-packet one-way delay: 124.966 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 146.09 Mbit/s

95th percentile per-packet one-way delay: 123.919 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 137.89 Mbit/s

95th percentile per-packet one-way delay: 124.665 ms

Loss rate: 0.00%

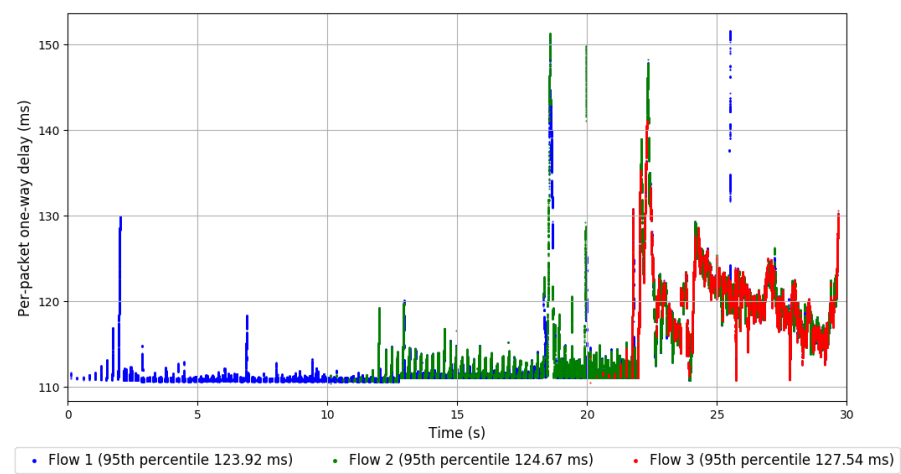
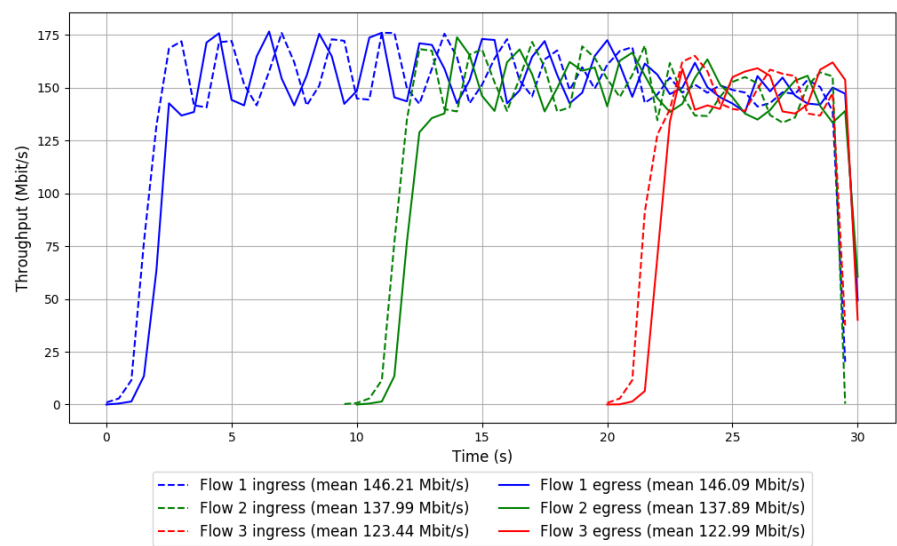
-- Flow 3:

Average throughput: 122.99 Mbit/s

95th percentile per-packet one-way delay: 127.543 ms

Loss rate: 0.34%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-24 14:23:00

End at: 2018-07-24 14:23:30

Local clock offset: -0.039 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.53 Mbit/s

95th percentile per-packet one-way delay: 148.476 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 199.55 Mbit/s

95th percentile per-packet one-way delay: 142.739 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 135.54 Mbit/s

95th percentile per-packet one-way delay: 152.897 ms

Loss rate: 0.00%

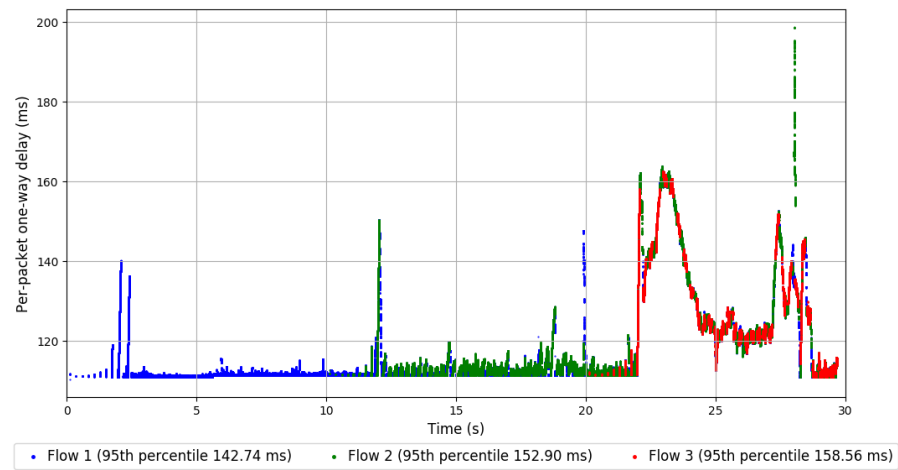
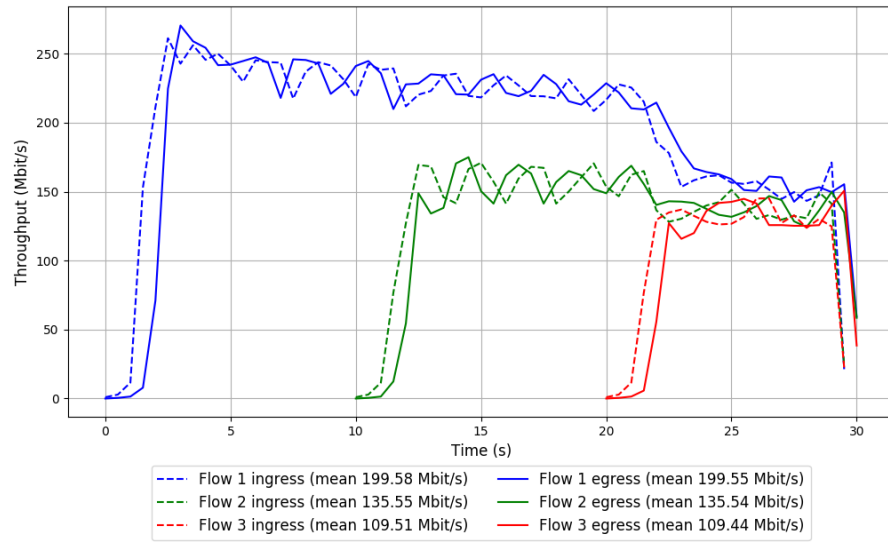
-- Flow 3:

Average throughput: 109.44 Mbit/s

95th percentile per-packet one-way delay: 158.556 ms

Loss rate: 0.04%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-24 14:49:14

End at: 2018-07-24 14:49:44

Local clock offset: 0.128 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 273.33 Mbit/s

95th percentile per-packet one-way delay: 133.561 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 146.84 Mbit/s

95th percentile per-packet one-way delay: 132.294 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 133.61 Mbit/s

95th percentile per-packet one-way delay: 134.055 ms

Loss rate: 0.08%

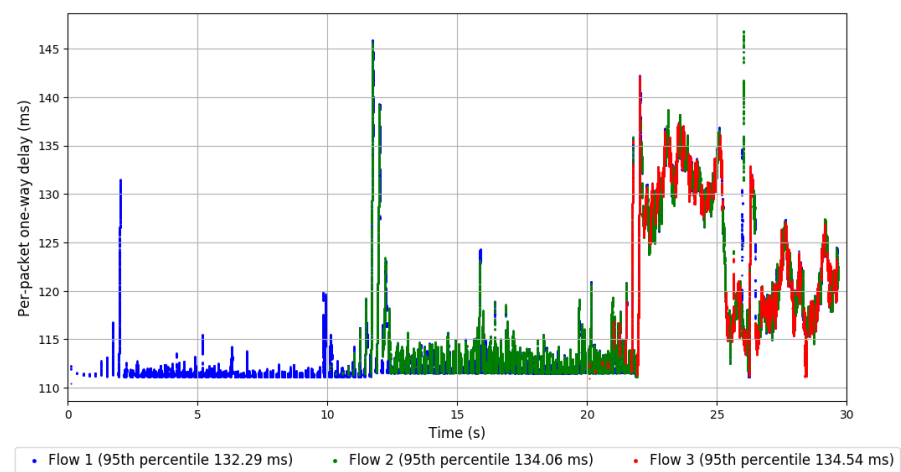
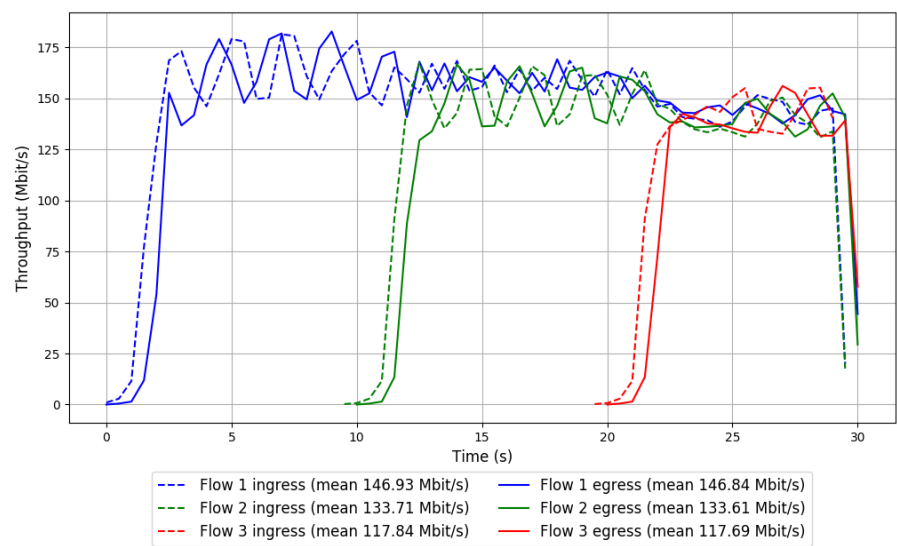
-- Flow 3:

Average throughput: 117.69 Mbit/s

95th percentile per-packet one-way delay: 134.540 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

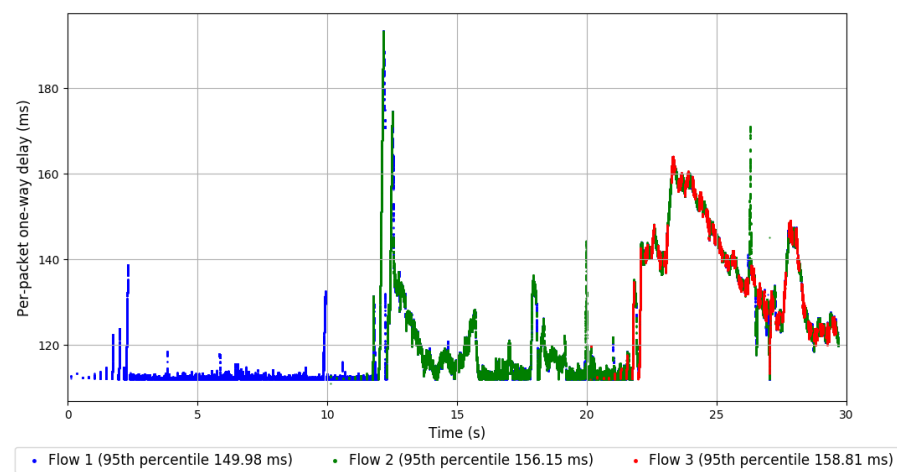
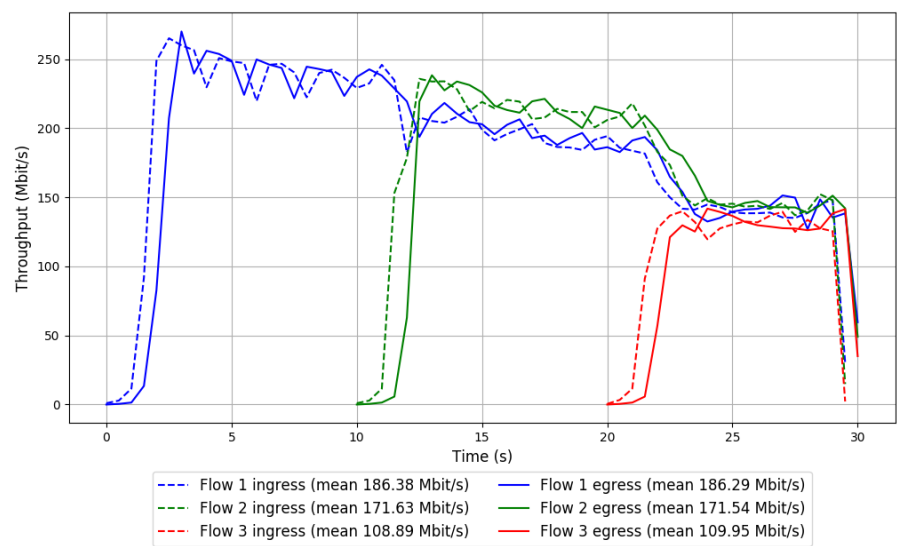


Run 8: Statistics of Indigo

Start at: 2018-07-24 15:15:05
End at: 2018-07-24 15:15:35
Local clock offset: -1.253 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.84 Mbit/s
95th percentile per-packet one-way delay: 155.212 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 186.29 Mbit/s
95th percentile per-packet one-way delay: 149.982 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 171.54 Mbit/s
95th percentile per-packet one-way delay: 156.148 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 109.95 Mbit/s
95th percentile per-packet one-way delay: 158.808 ms
Loss rate: 0.11%

Run 8: Report of Indigo — Data Link

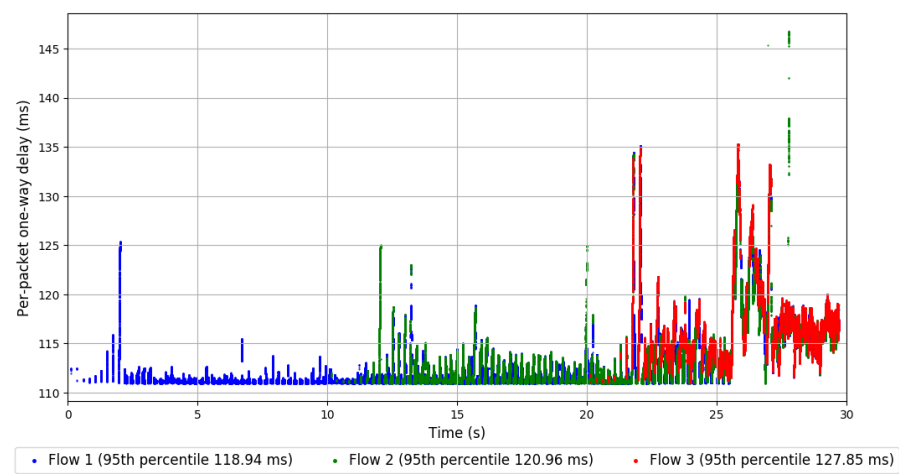
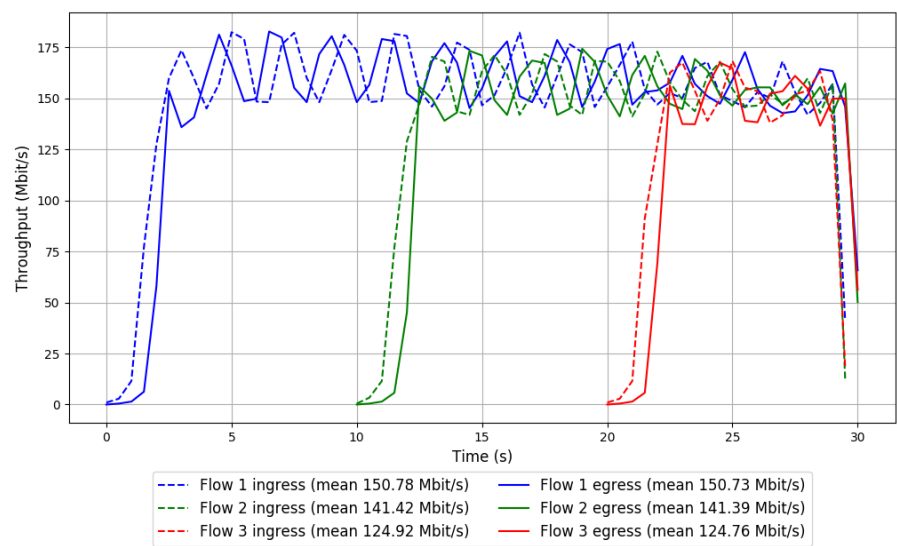


Run 9: Statistics of Indigo

Start at: 2018-07-24 15:41:19
End at: 2018-07-24 15:41:49
Local clock offset: -0.219 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.36 Mbit/s
95th percentile per-packet one-way delay: 121.583 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 150.73 Mbit/s
95th percentile per-packet one-way delay: 118.939 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 141.39 Mbit/s
95th percentile per-packet one-way delay: 120.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.76 Mbit/s
95th percentile per-packet one-way delay: 127.854 ms
Loss rate: 0.10%

Run 9: Report of Indigo — Data Link

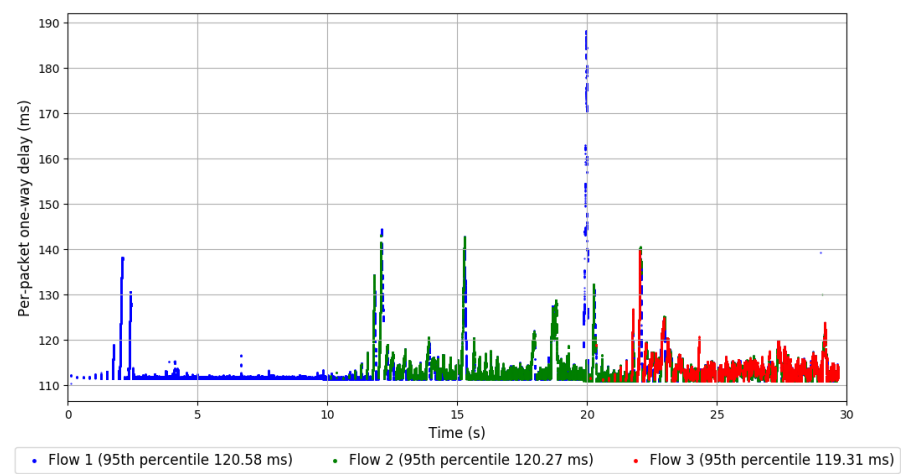
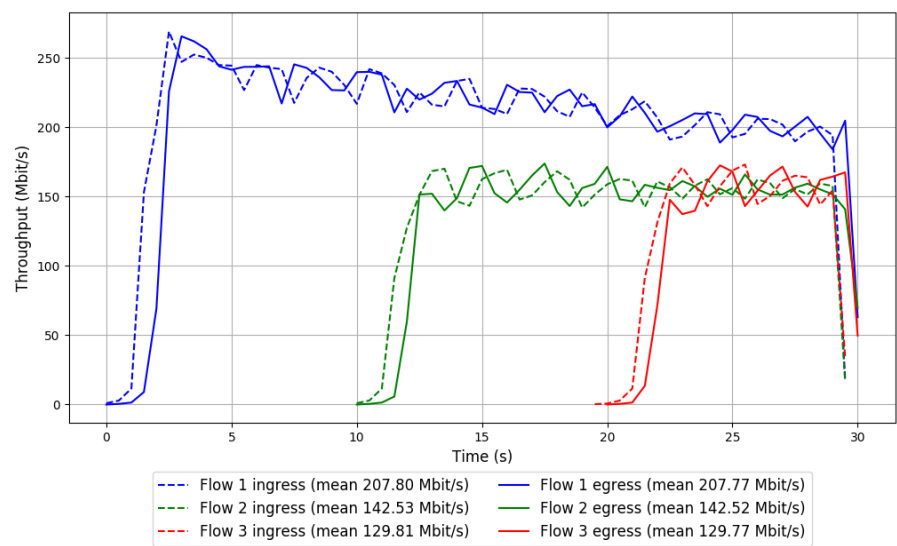


Run 10: Statistics of Indigo

Start at: 2018-07-24 16:07:36
End at: 2018-07-24 16:08:06
Local clock offset: -0.139 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 344.03 Mbit/s
95th percentile per-packet one-way delay: 120.213 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 207.77 Mbit/s
95th percentile per-packet one-way delay: 120.580 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 142.52 Mbit/s
95th percentile per-packet one-way delay: 120.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.77 Mbit/s
95th percentile per-packet one-way delay: 119.305 ms
Loss rate: 0.03%

Run 10: Report of Indigo — Data Link

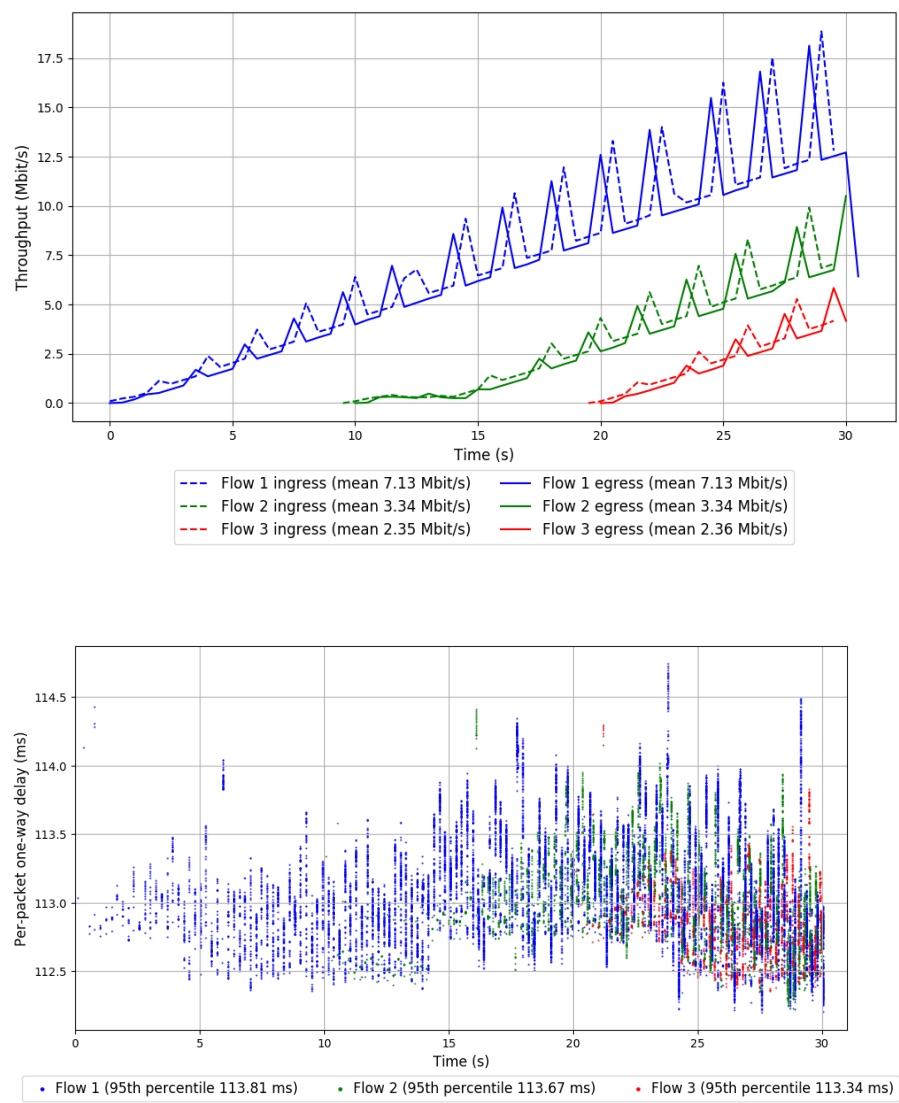


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-24 11:51:02
End at: 2018-07-24 11:51:32
Local clock offset: -1.343 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-07-24 17:53:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 113.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 113.808 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 113.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 113.341 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

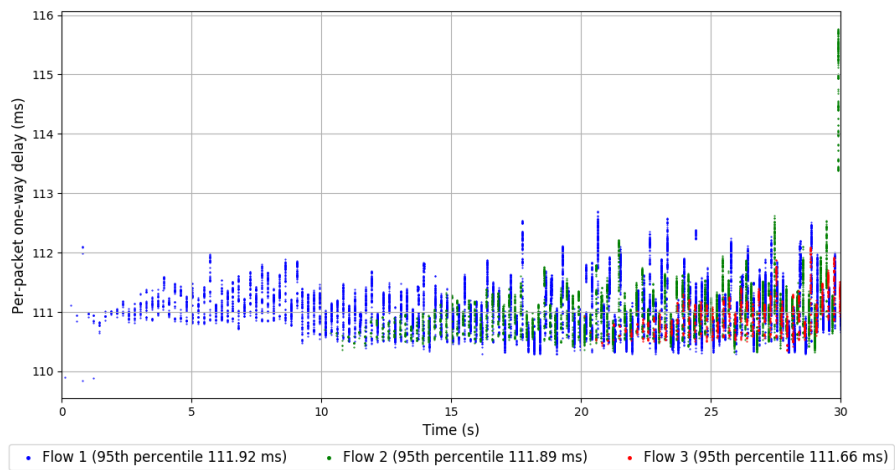
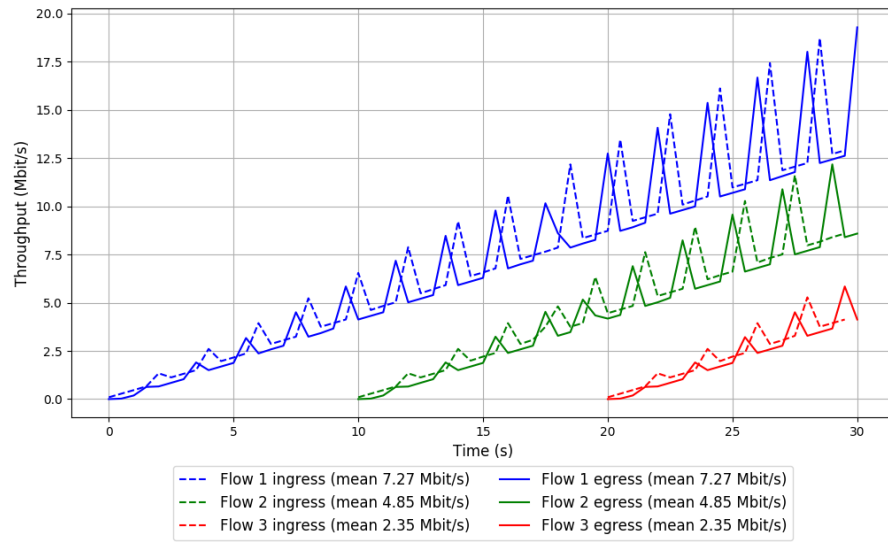


Run 2: Statistics of LEDBAT

Start at: 2018-07-24 12:17:47
End at: 2018-07-24 12:18:17
Local clock offset: 0.21 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 111.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 111.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 111.892 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 111.664 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-24 12:44:41

End at: 2018-07-24 12:45:11

Local clock offset: -0.089 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.22 Mbit/s

95th percentile per-packet one-way delay: 113.230 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 113.398 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 112.767 ms

Loss rate: 0.00%

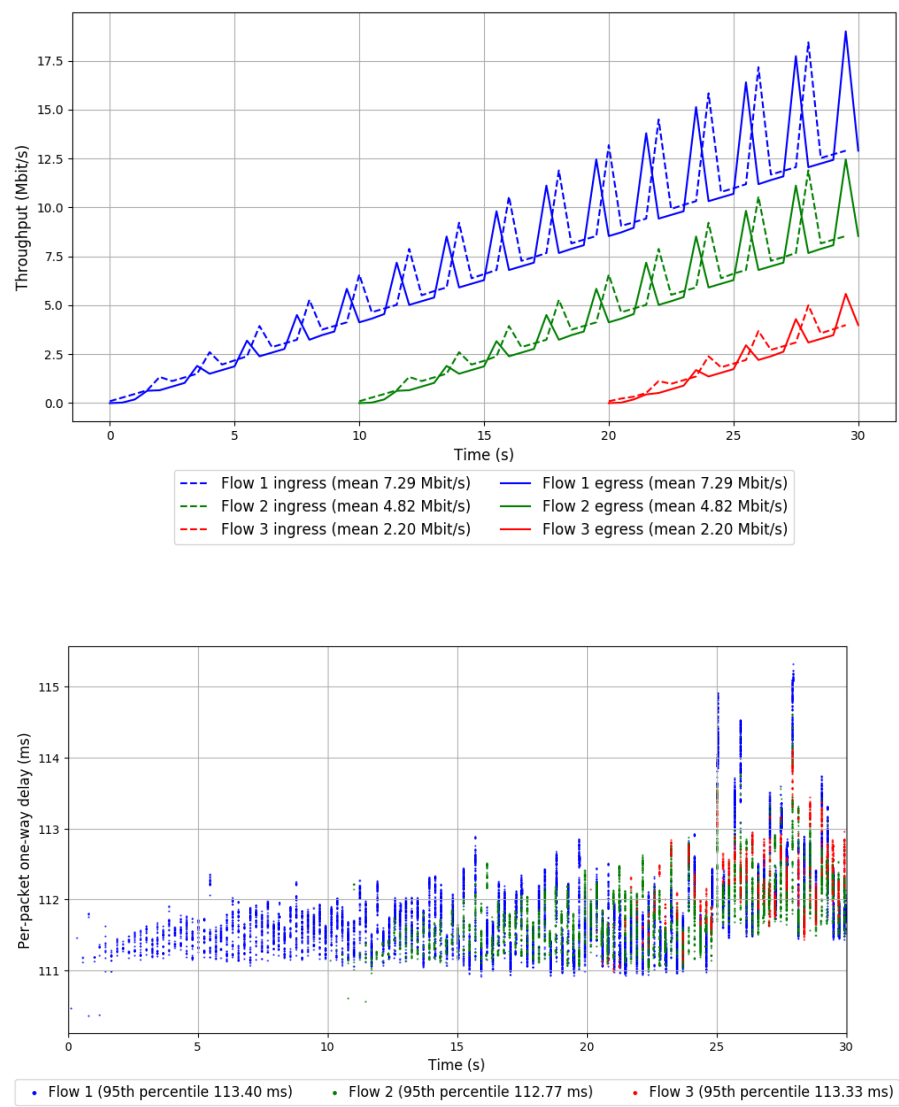
-- Flow 3:

Average throughput: 2.20 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-24 13:10:46

End at: 2018-07-24 13:11:16

Local clock offset: -0.22 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.22 Mbit/s

95th percentile per-packet one-way delay: 113.131 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 113.162 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 113.142 ms

Loss rate: 0.00%

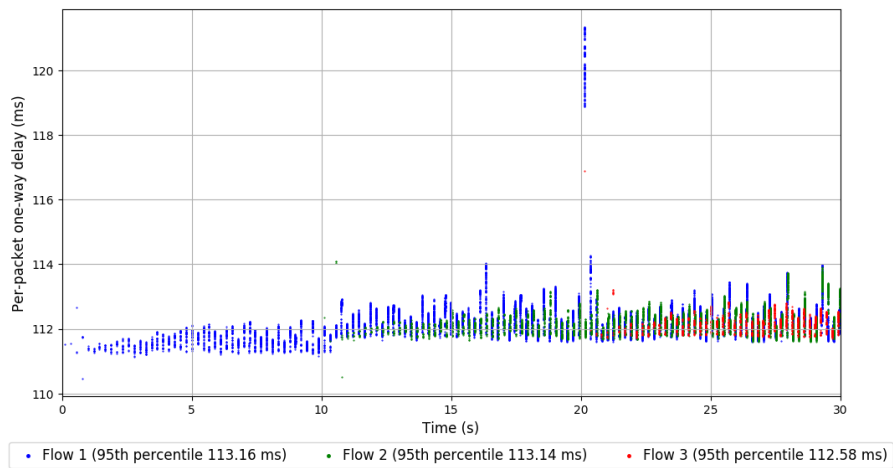
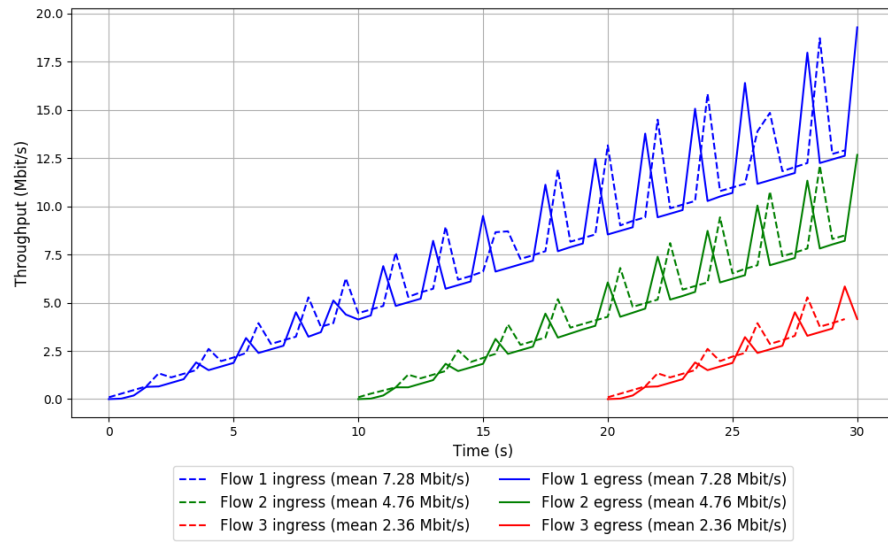
-- Flow 3:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 112.578 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-24 13:36:43

End at: 2018-07-24 13:37:13

Local clock offset: -0.231 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 112.736 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 112.798 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 112.491 ms

Loss rate: 0.00%

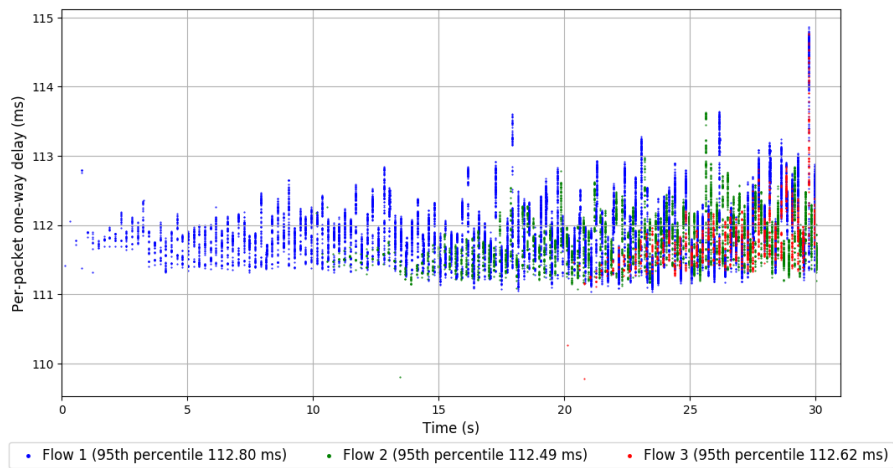
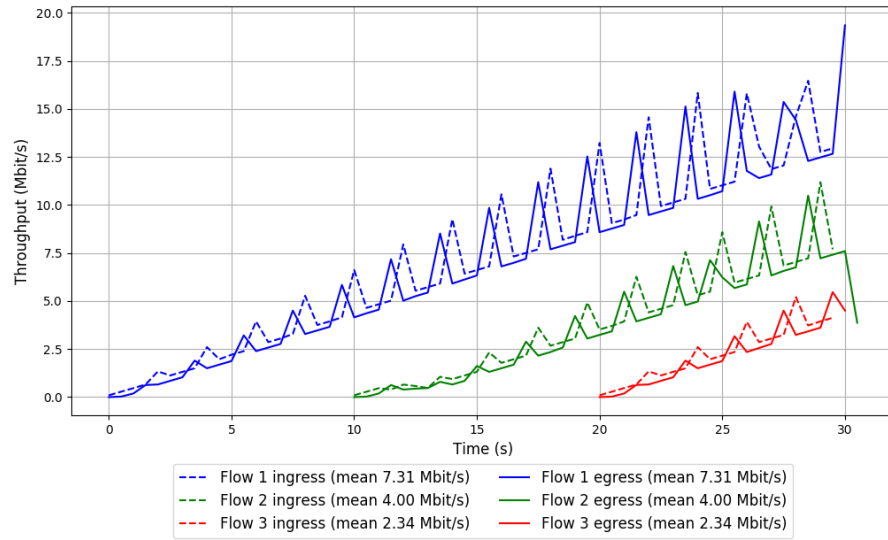
-- Flow 3:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-24 14:02:51

End at: 2018-07-24 14:03:21

Local clock offset: -0.051 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 112.611 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 112.604 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 112.686 ms

Loss rate: 0.00%

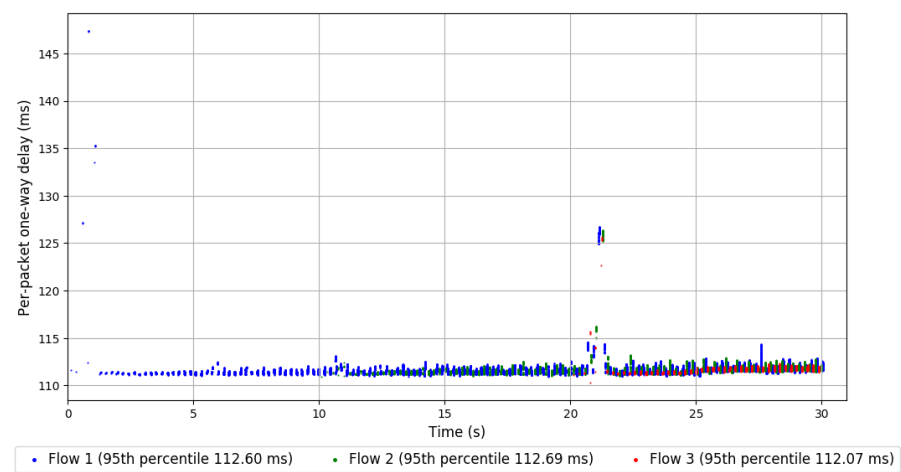
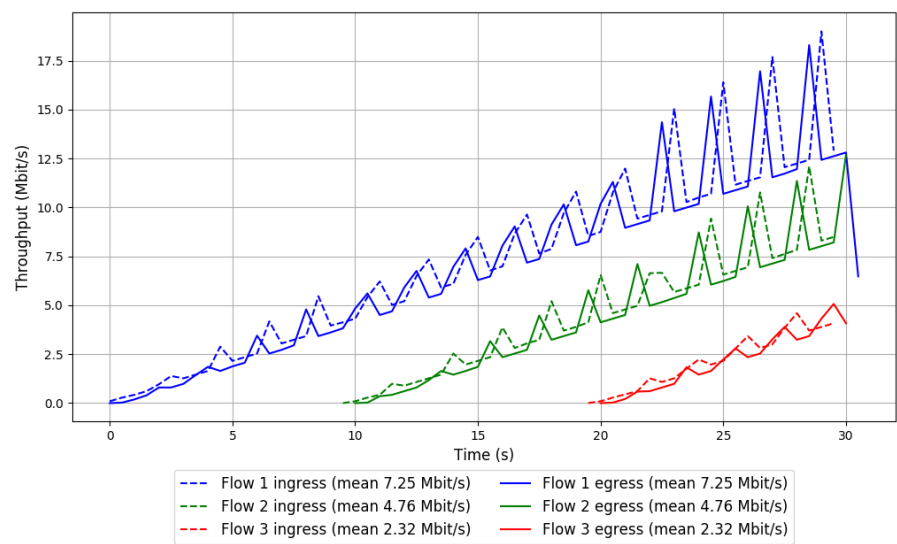
-- Flow 3:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 112.071 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-24 14:28:55

End at: 2018-07-24 14:29:25

Local clock offset: -0.04 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 113.100 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 113.237 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 112.986 ms

Loss rate: 0.00%

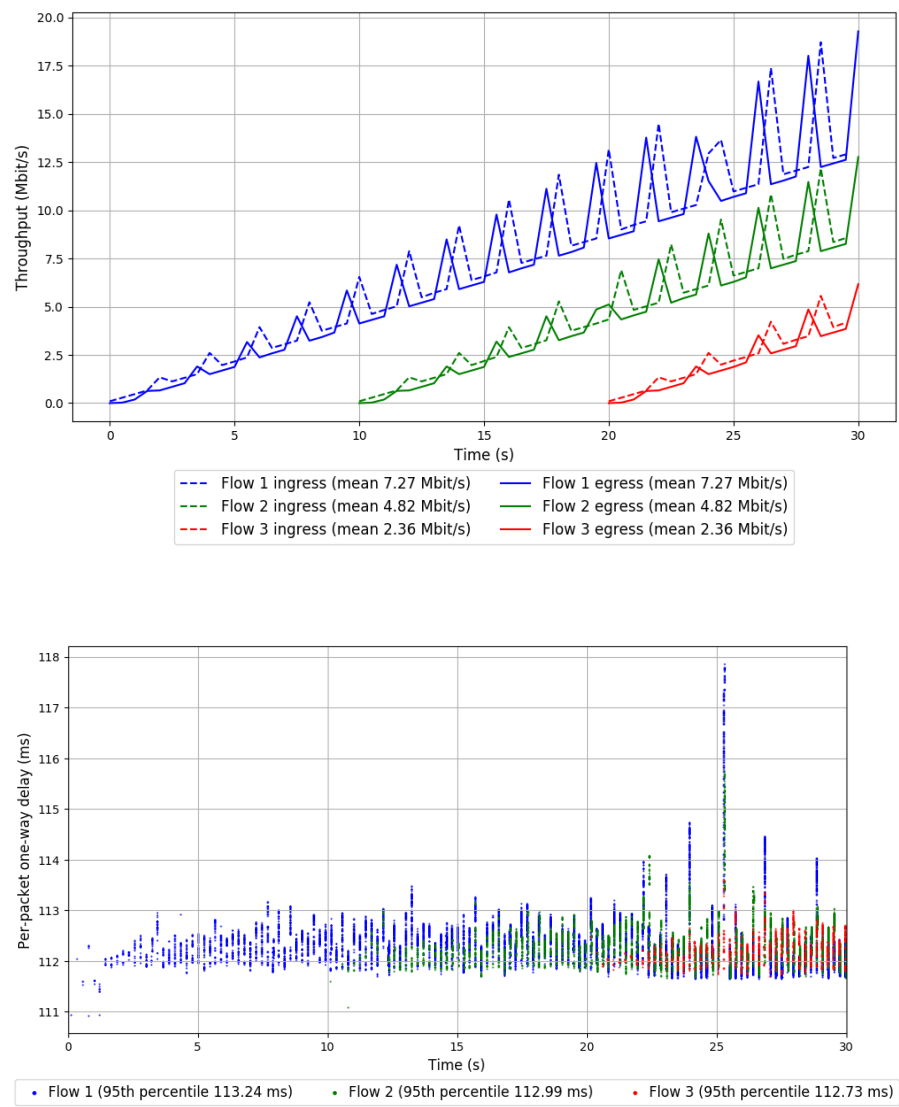
-- Flow 3:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 112.727 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

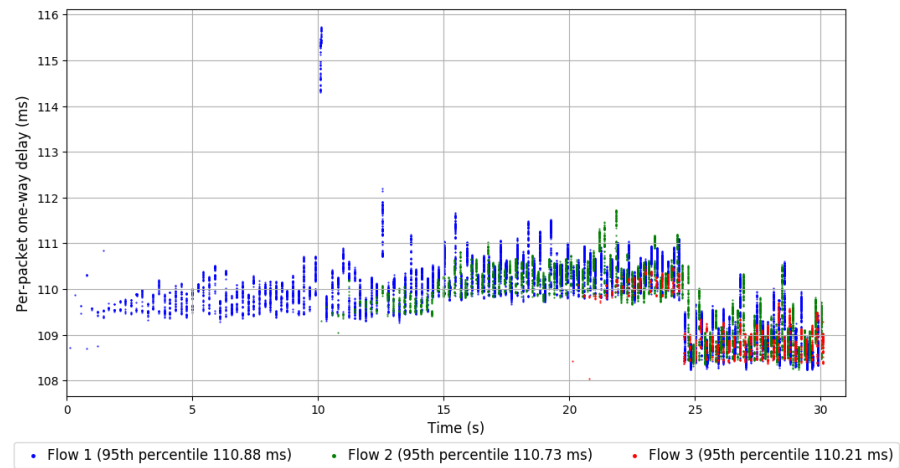
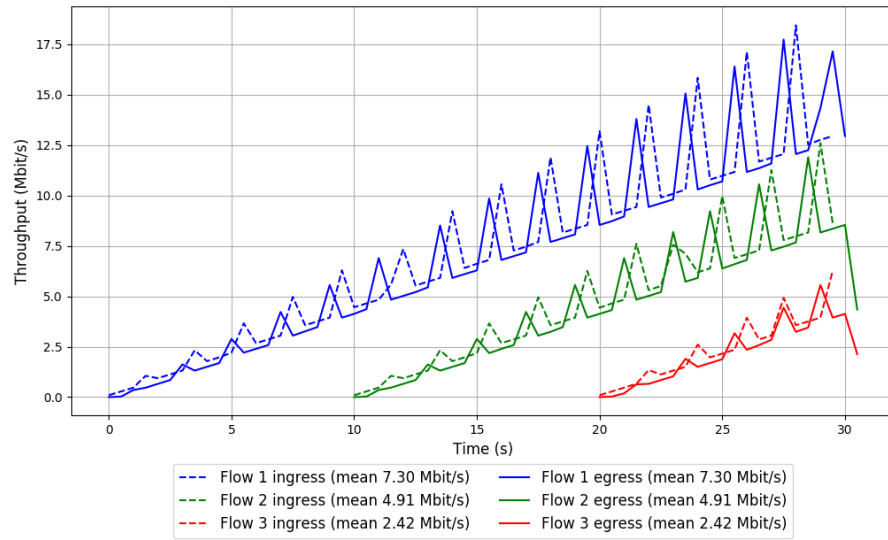


Run 8: Statistics of LEDBAT

Start at: 2018-07-24 14:55:02
End at: 2018-07-24 14:55:32
Local clock offset: 1.262 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 110.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 110.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 110.731 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 110.211 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

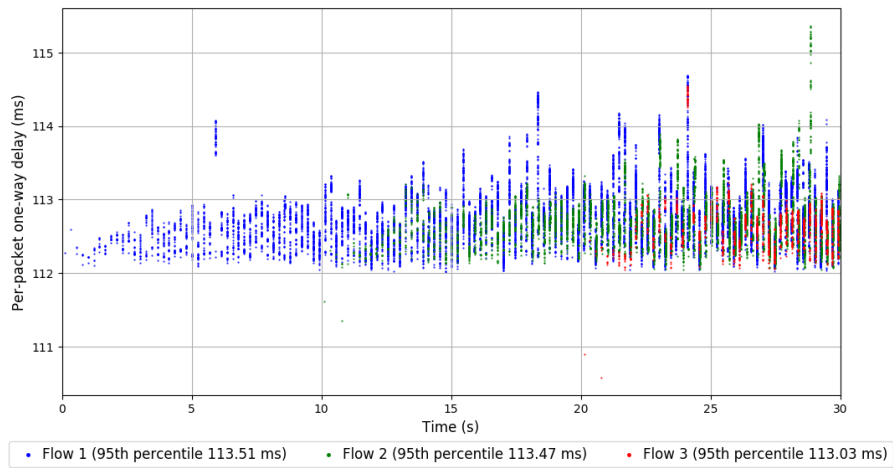
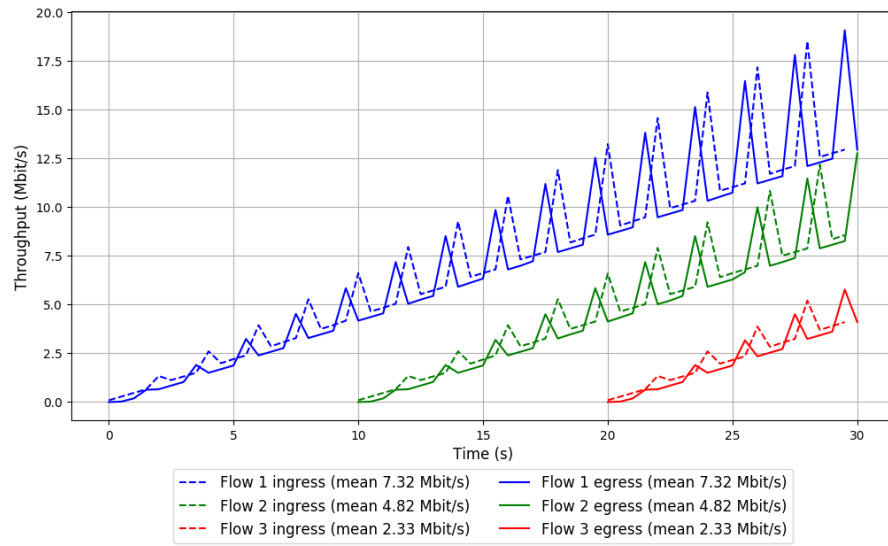


Run 9: Statistics of LEDBAT

Start at: 2018-07-24 15:21:04
End at: 2018-07-24 15:21:34
Local clock offset: -1.507 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.29 Mbit/s
95th percentile per-packet one-way delay: 113.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 113.507 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 113.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 113.029 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

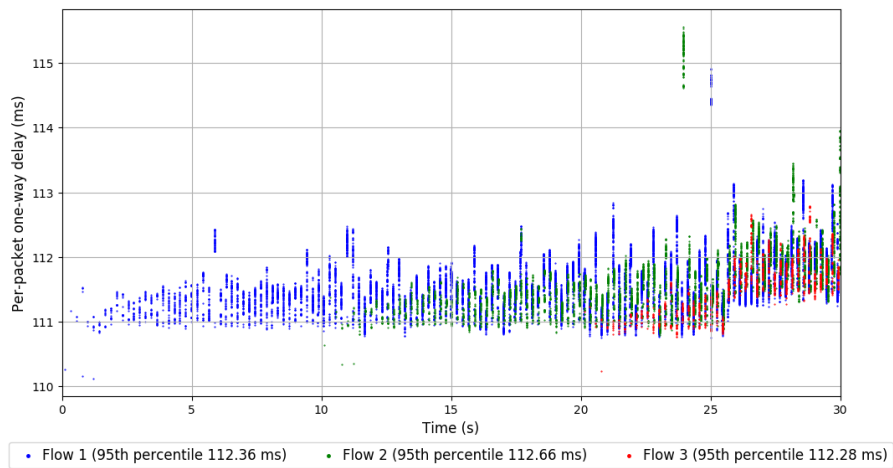
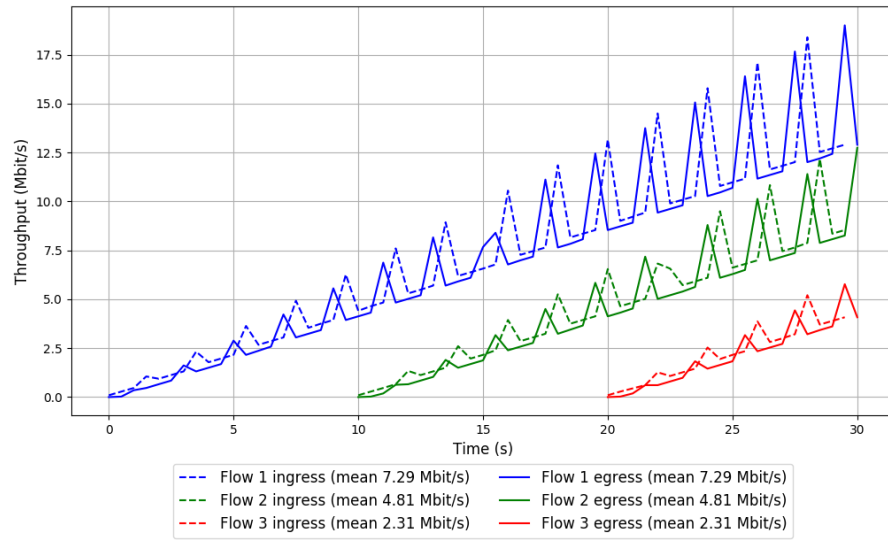


Run 10: Statistics of LEDBAT

Start at: 2018-07-24 15:47:11
End at: 2018-07-24 15:47:41
Local clock offset: -0.022 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 112.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 112.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 112.660 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 112.285 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

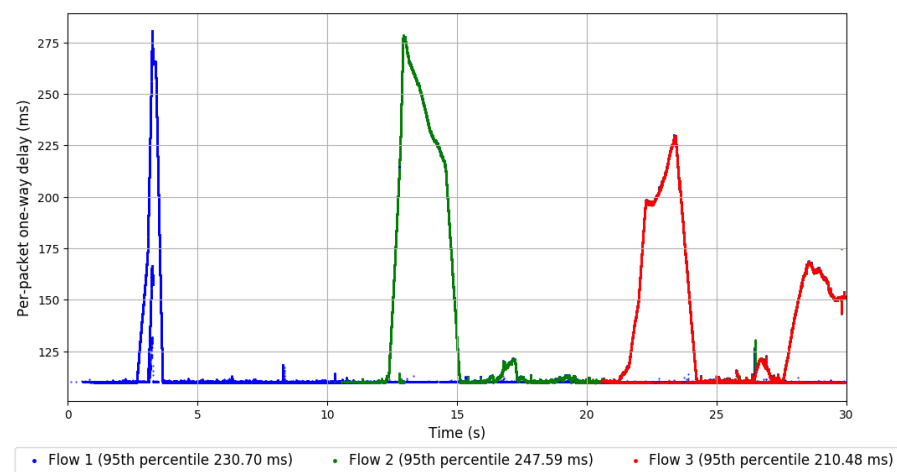
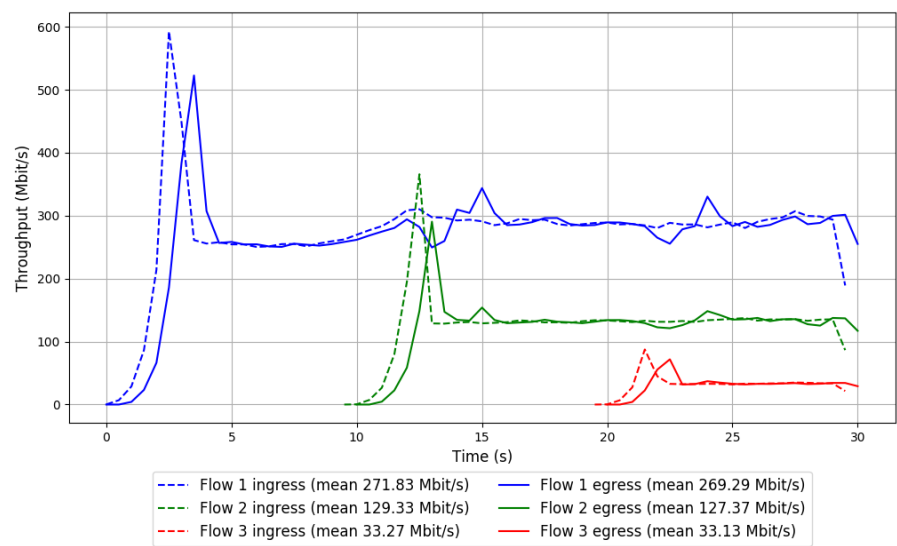


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 12:04:15
End at: 2018-07-24 12:04:45
Local clock offset: 1.253 ms
Remote clock offset: 0.358 ms

# Below is generated by plot.py at 2018-07-24 17:53:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.00 Mbit/s
95th percentile per-packet one-way delay: 232.958 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 269.29 Mbit/s
95th percentile per-packet one-way delay: 230.698 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 127.37 Mbit/s
95th percentile per-packet one-way delay: 247.595 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 210.480 ms
Loss rate: 0.42%
```

Run 1: Report of PCC-Allegro — Data Link

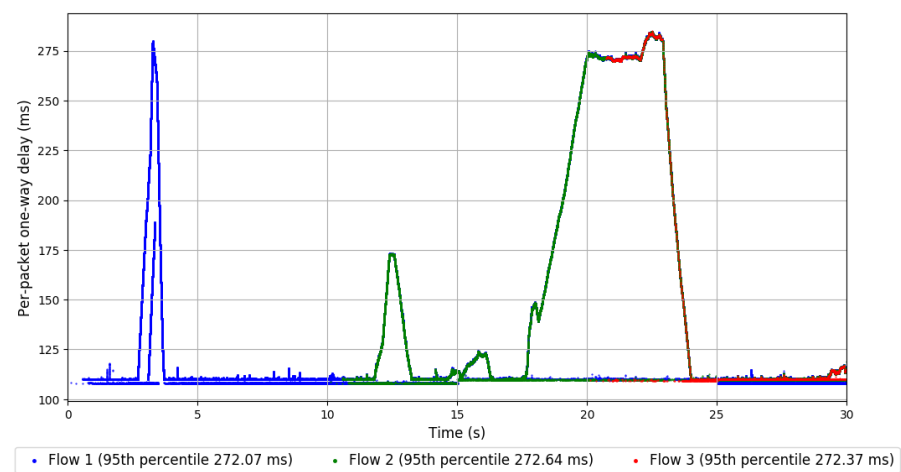
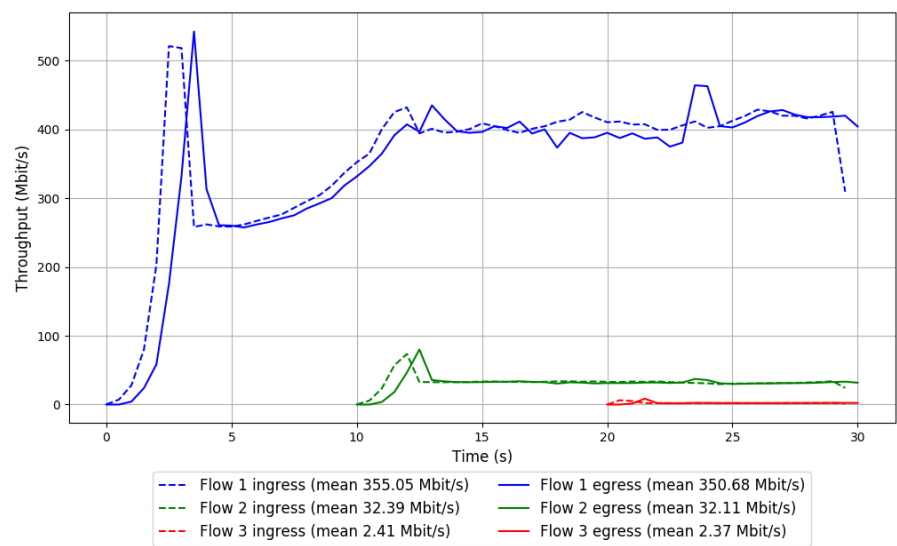


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-24 12:31:21
End at: 2018-07-24 12:31:51
Local clock offset: 1.198 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-24 17:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.75 Mbit/s
95th percentile per-packet one-way delay: 272.092 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 350.68 Mbit/s
95th percentile per-packet one-way delay: 272.068 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 272.643 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 272.373 ms
Loss rate: 1.82%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-24 12:57:51

End at: 2018-07-24 12:58:21

Local clock offset: -0.365 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 353.07 Mbit/s

95th percentile per-packet one-way delay: 178.478 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 308.38 Mbit/s

95th percentile per-packet one-way delay: 178.078 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 65.16 Mbit/s

95th percentile per-packet one-way delay: 185.664 ms

Loss rate: 0.24%

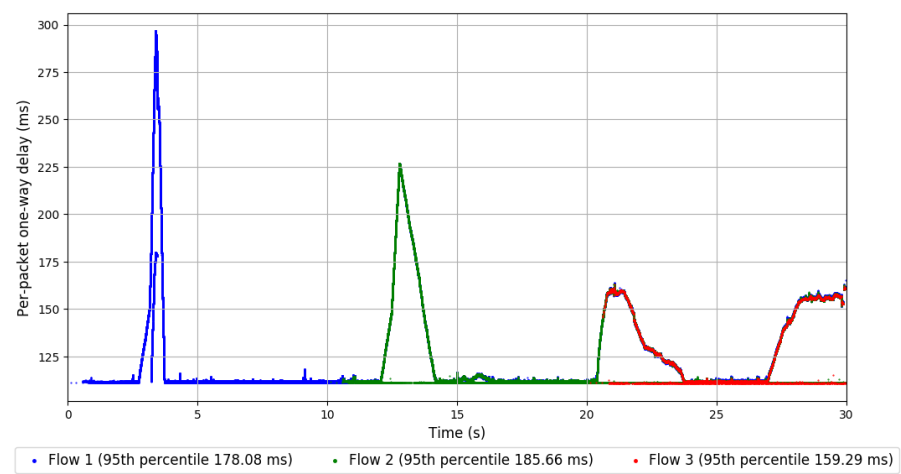
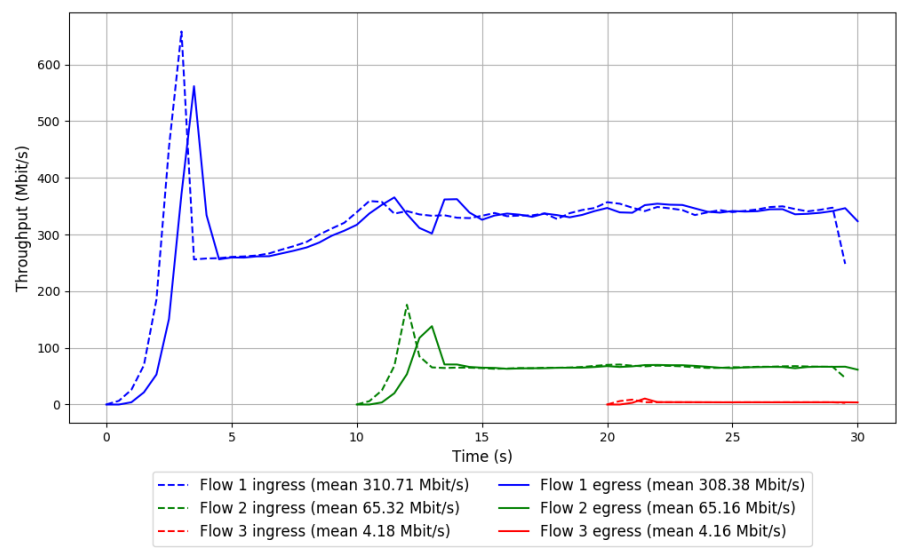
-- Flow 3:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 159.290 ms

Loss rate: 0.47%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-24 13:24:01

End at: 2018-07-24 13:24:31

Local clock offset: 0.037 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-24 17:53:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.46 Mbit/s

95th percentile per-packet one-way delay: 274.784 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 335.02 Mbit/s

95th percentile per-packet one-way delay: 274.770 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 33.11 Mbit/s

95th percentile per-packet one-way delay: 274.835 ms

Loss rate: 0.80%

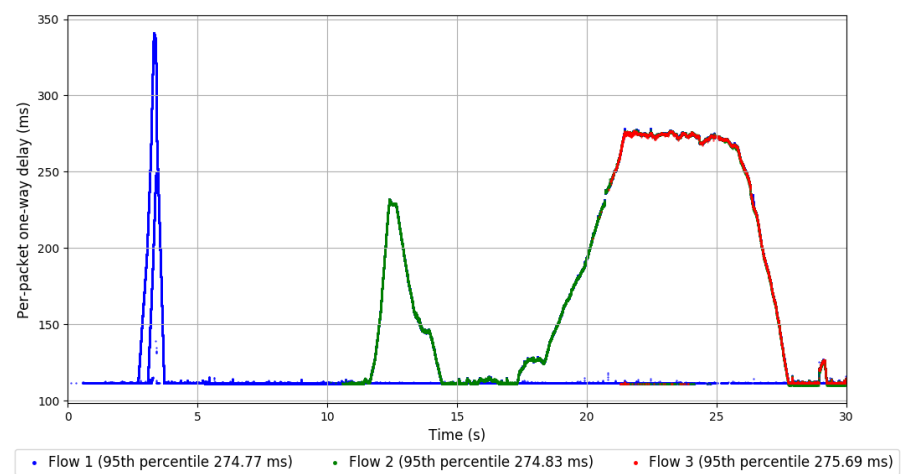
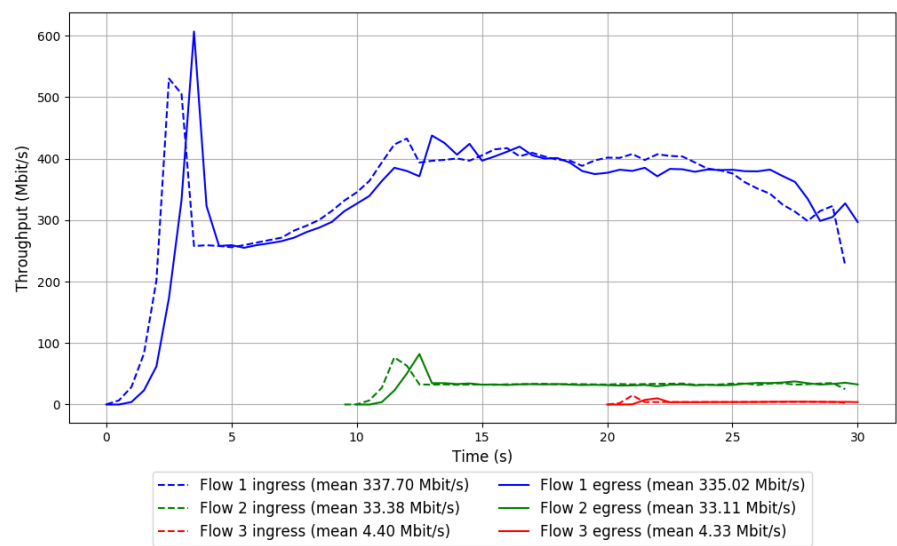
-- Flow 3:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 275.693 ms

Loss rate: 2.52%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-24 13:50:03

End at: 2018-07-24 13:50:33

Local clock offset: 1.436 ms

Remote clock offset: 0.367 ms

Below is generated by plot.py at 2018-07-24 17:54:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.08 Mbit/s

95th percentile per-packet one-way delay: 166.960 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 327.74 Mbit/s

95th percentile per-packet one-way delay: 167.470 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 35.99 Mbit/s

95th percentile per-packet one-way delay: 165.661 ms

Loss rate: 0.23%

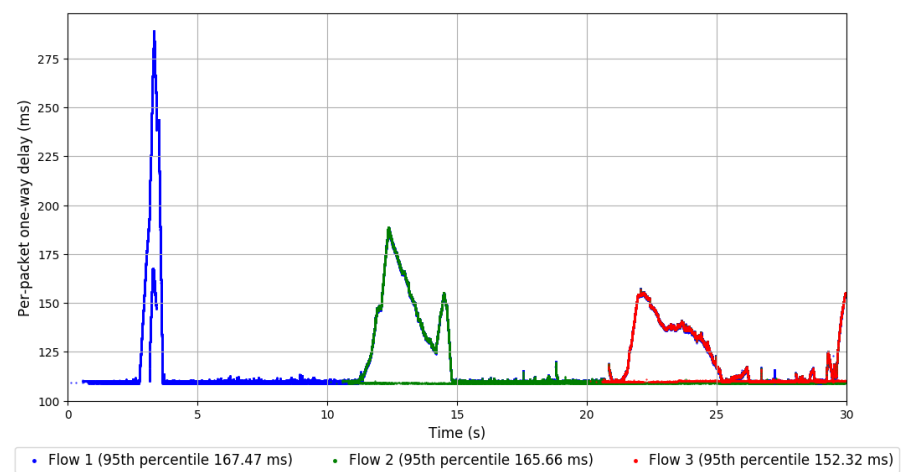
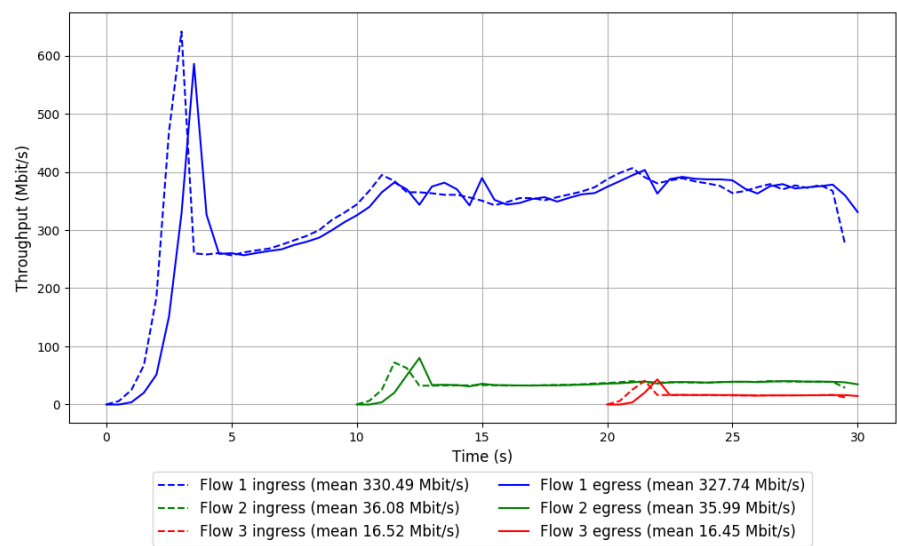
-- Flow 3:

Average throughput: 16.45 Mbit/s

95th percentile per-packet one-way delay: 152.319 ms

Loss rate: 0.45%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-24 14:16:00

End at: 2018-07-24 14:16:30

Local clock offset: 1.289 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-24 17:55:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.53 Mbit/s

95th percentile per-packet one-way delay: 213.373 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 350.73 Mbit/s

95th percentile per-packet one-way delay: 213.372 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 212.433 ms

Loss rate: 0.71%

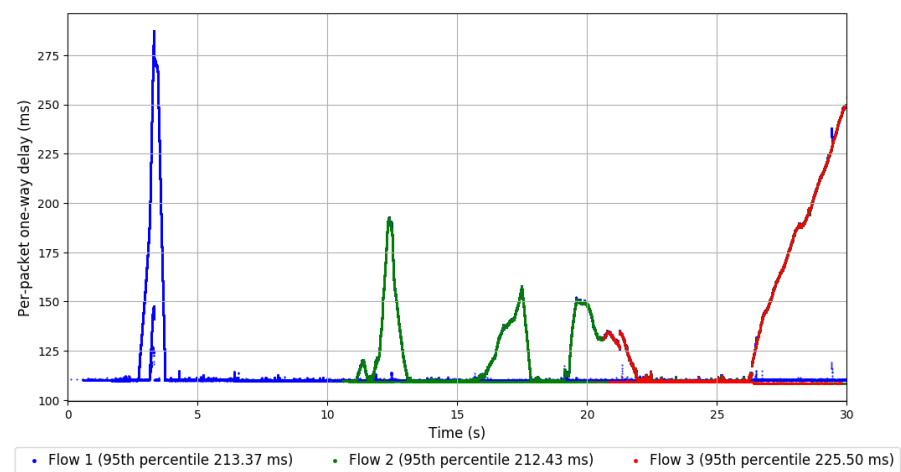
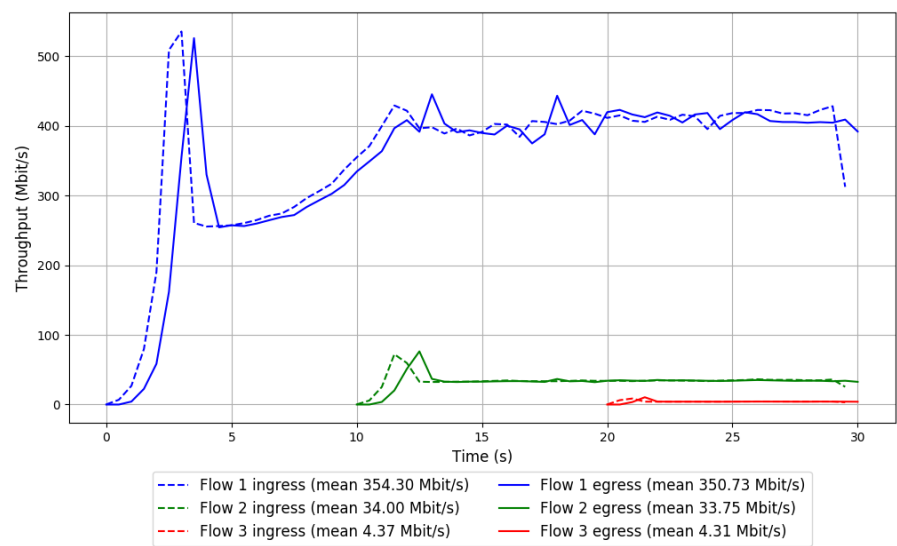
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 225.500 ms

Loss rate: 1.37%

Run 6: Report of PCC-Allegro — Data Link

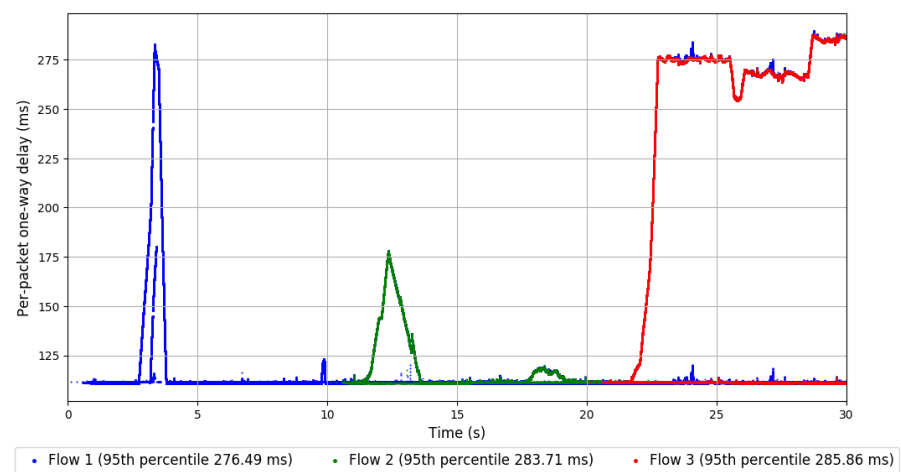
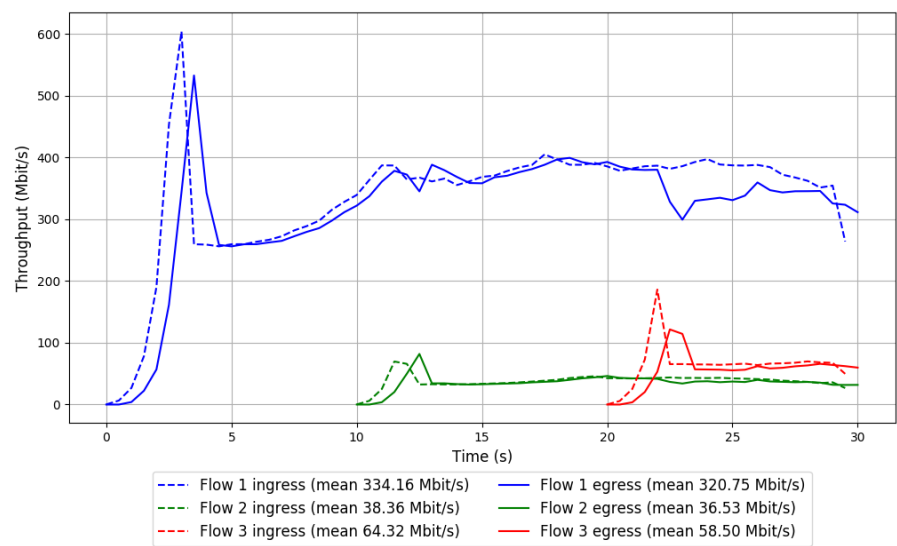


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-24 14:42:11
End at: 2018-07-24 14:42:41
Local clock offset: -0.331 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-07-24 17:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.29 Mbit/s
95th percentile per-packet one-way delay: 277.657 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 320.75 Mbit/s
95th percentile per-packet one-way delay: 276.493 ms
Loss rate: 4.01%
-- Flow 2:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 283.711 ms
Loss rate: 4.76%
-- Flow 3:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 285.861 ms
Loss rate: 9.05%

Run 7: Report of PCC-Allegro — Data Link

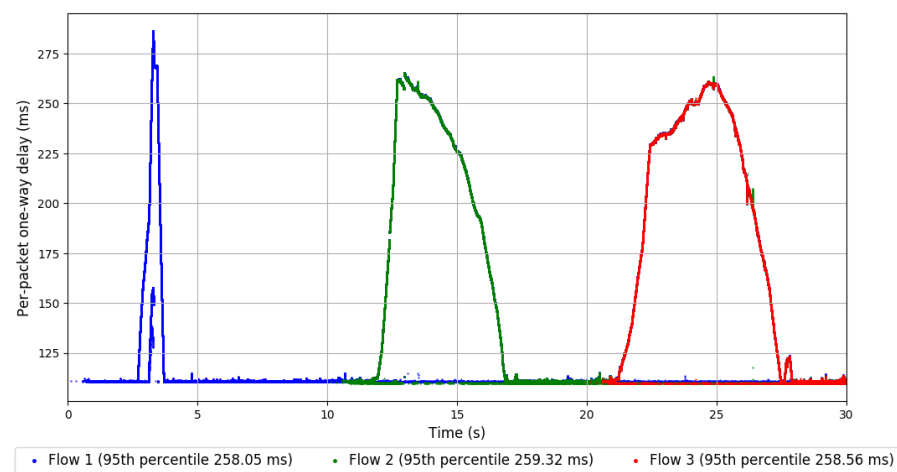
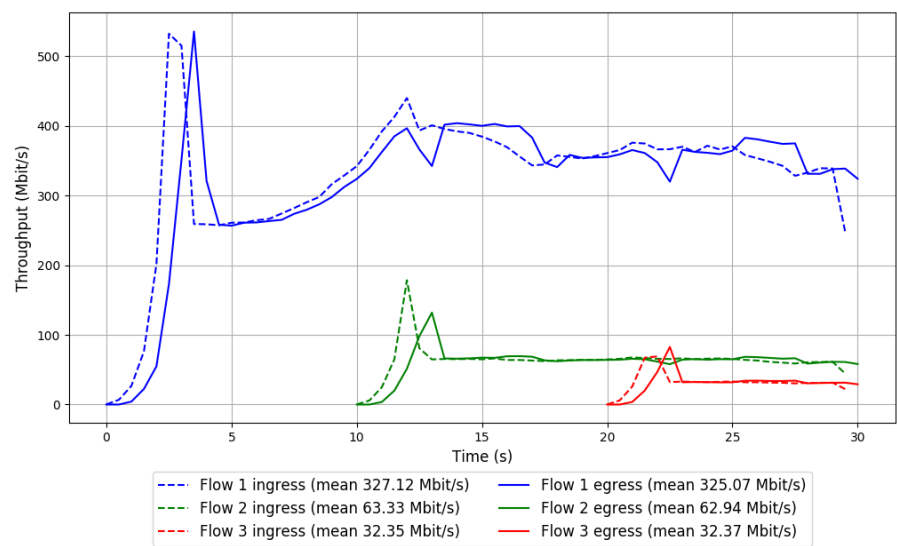


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-24 15:08:11
End at: 2018-07-24 15:08:41
Local clock offset: -0.141 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-07-24 17:56:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.56 Mbit/s
95th percentile per-packet one-way delay: 258.420 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 325.07 Mbit/s
95th percentile per-packet one-way delay: 258.046 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 62.94 Mbit/s
95th percentile per-packet one-way delay: 259.323 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 258.564 ms
Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-24 15:34:17

End at: 2018-07-24 15:34:47

Local clock offset: -1.359 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2018-07-24 17:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 371.21 Mbit/s

95th percentile per-packet one-way delay: 274.036 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 339.64 Mbit/s

95th percentile per-packet one-way delay: 273.959 ms

Loss rate: 2.34%

-- Flow 2:

Average throughput: 32.11 Mbit/s

95th percentile per-packet one-way delay: 274.245 ms

Loss rate: 2.35%

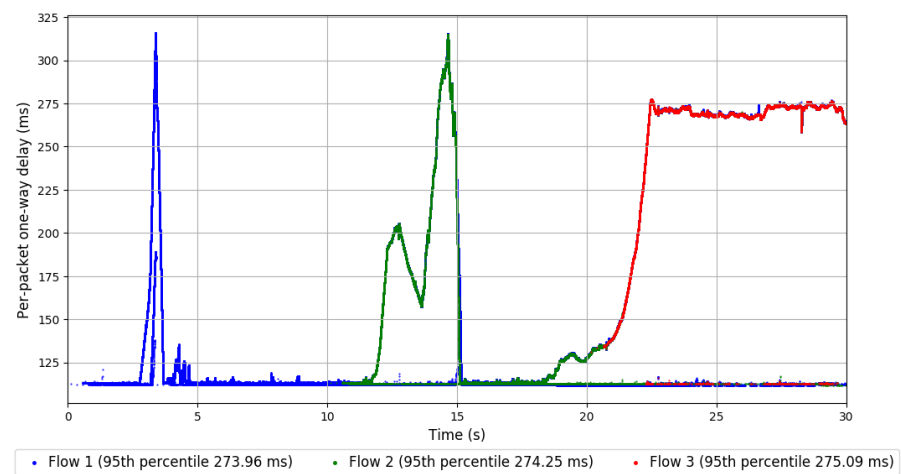
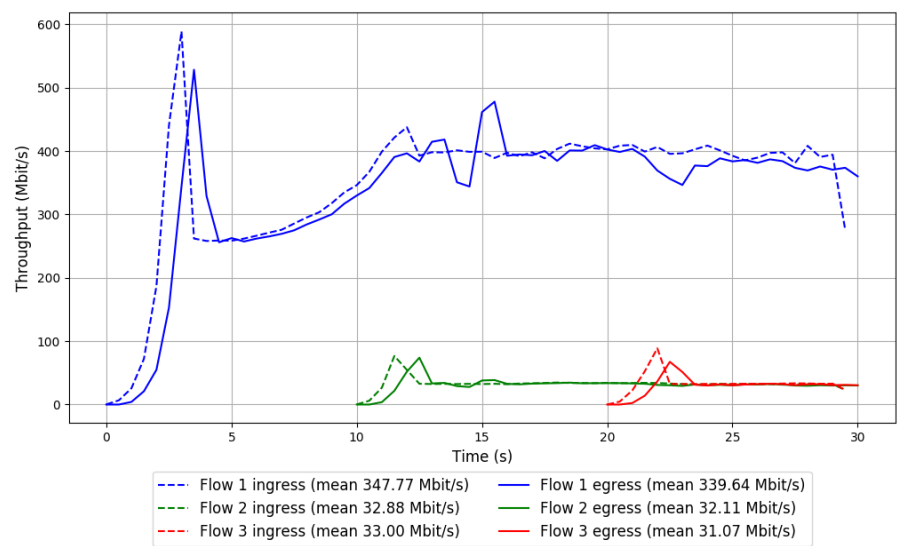
-- Flow 3:

Average throughput: 31.07 Mbit/s

95th percentile per-packet one-way delay: 275.086 ms

Loss rate: 6.03%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-24 16:00:33

End at: 2018-07-24 16:01:03

Local clock offset: -0.159 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-07-24 17:57:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.65 Mbit/s

95th percentile per-packet one-way delay: 266.209 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 326.57 Mbit/s

95th percentile per-packet one-way delay: 266.199 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 60.63 Mbit/s

95th percentile per-packet one-way delay: 266.302 ms

Loss rate: 1.02%

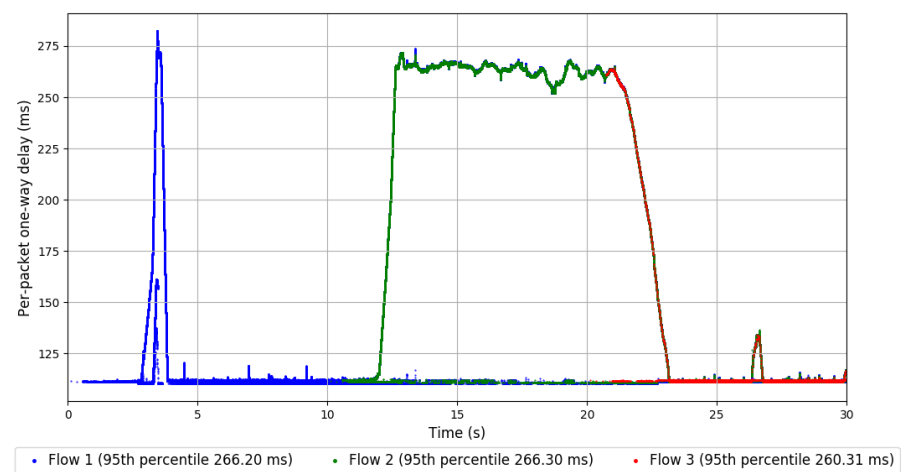
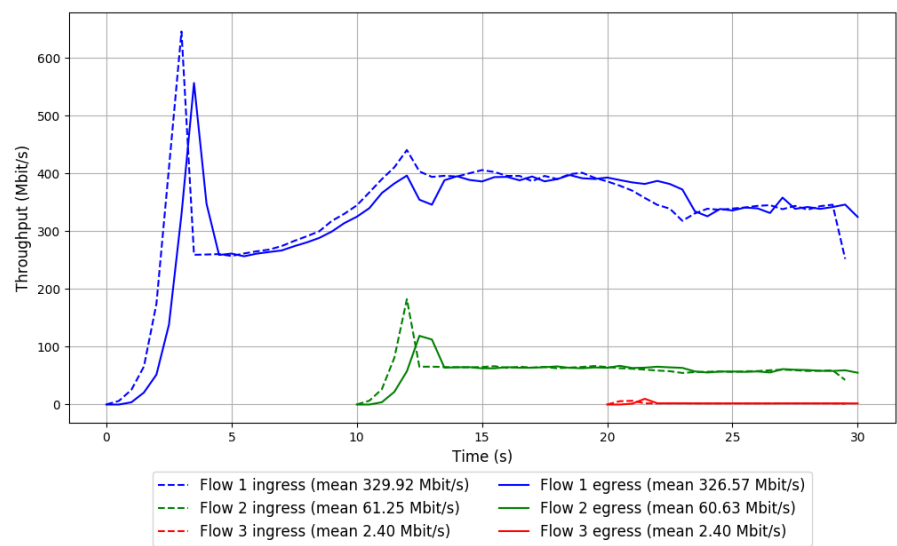
-- Flow 3:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 260.307 ms

Loss rate: 0.05%

Run 10: Report of PCC-Allegro — Data Link

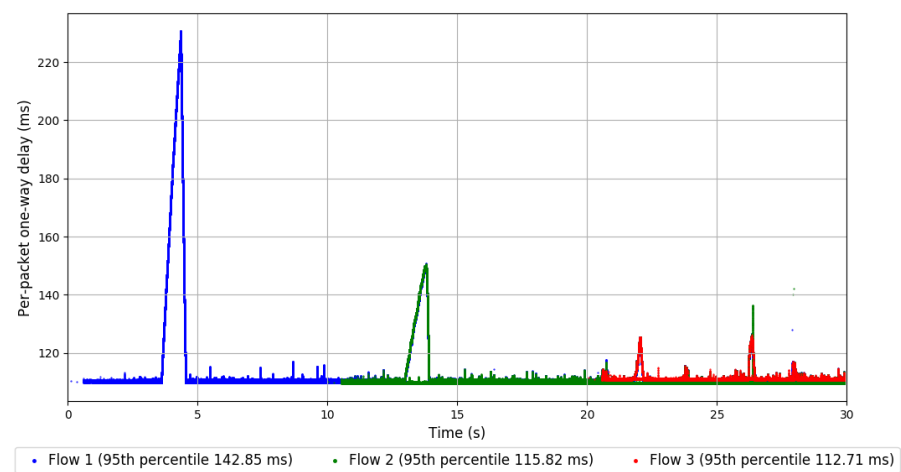
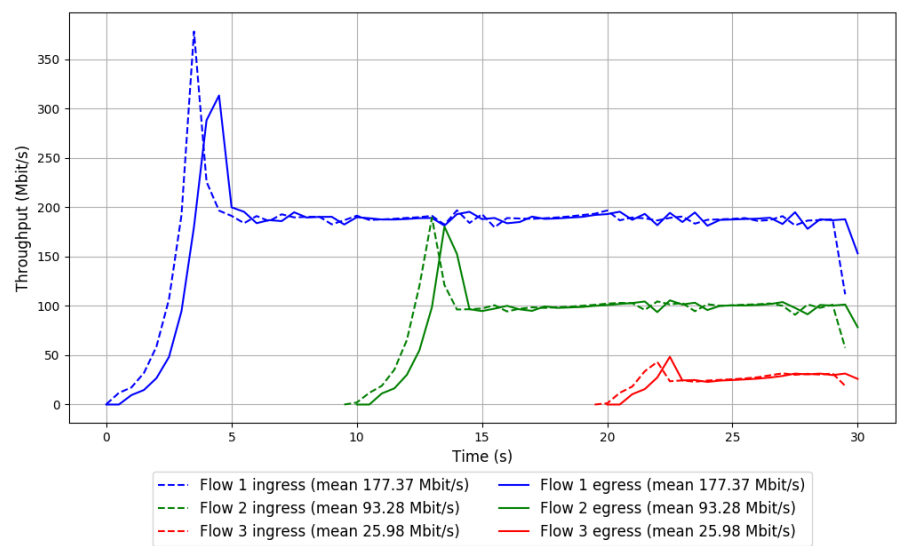


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 12:13:35
End at: 2018-07-24 12:14:05
Local clock offset: 0.342 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-07-24 17:59:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 248.18 Mbit/s
95th percentile per-packet one-way delay: 132.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.37 Mbit/s
95th percentile per-packet one-way delay: 142.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 115.818 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.98 Mbit/s
95th percentile per-packet one-way delay: 112.708 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

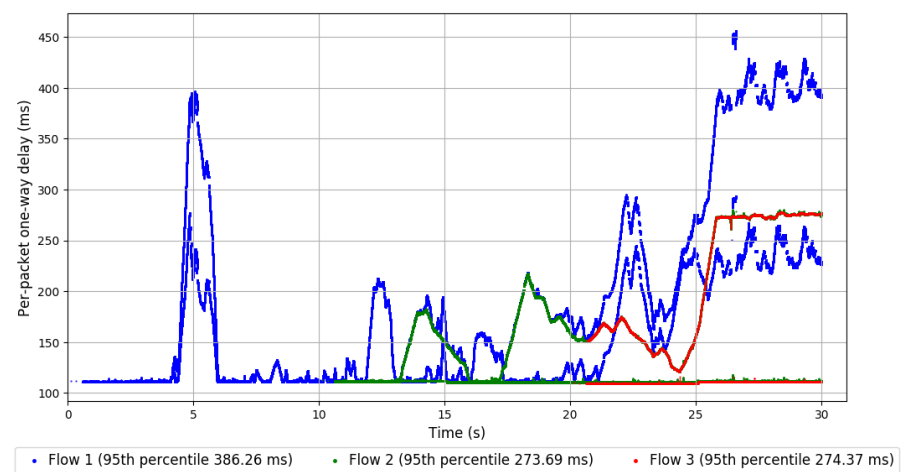
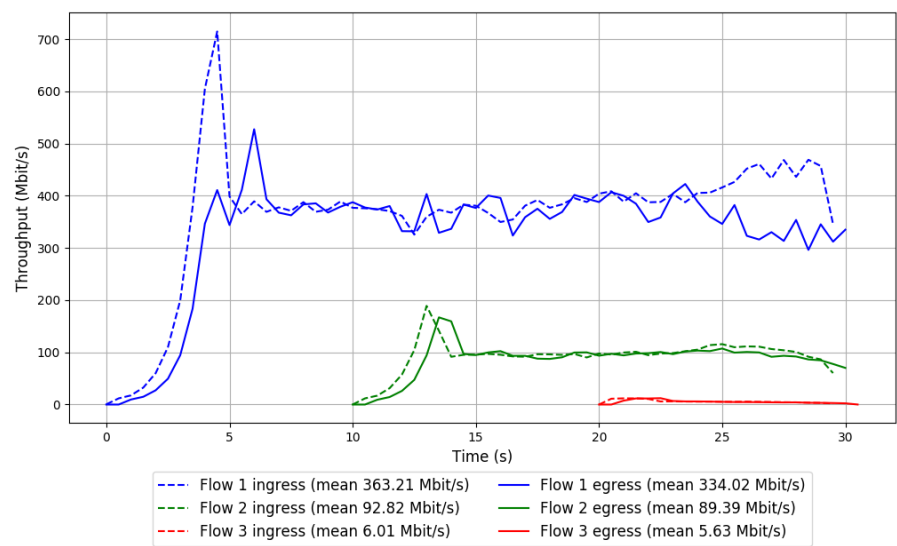


Run 2: Statistics of PCC-Expr

Start at: 2018-07-24 12:40:21
End at: 2018-07-24 12:40:51
Local clock offset: -0.238 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-24 18:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.29 Mbit/s
95th percentile per-packet one-way delay: 379.025 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 334.02 Mbit/s
95th percentile per-packet one-way delay: 386.263 ms
Loss rate: 8.03%
-- Flow 2:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 273.688 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 5.63 Mbit/s
95th percentile per-packet one-way delay: 274.372 ms
Loss rate: 6.15%

Run 2: Report of PCC-Expr — Data Link

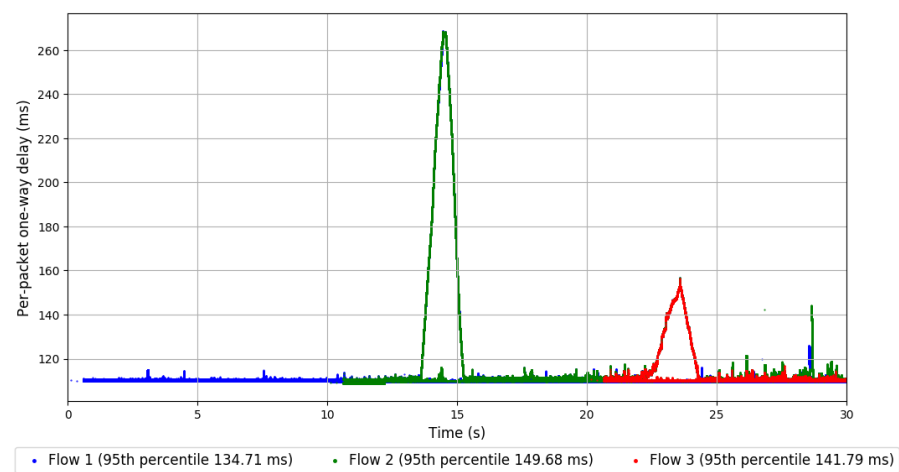
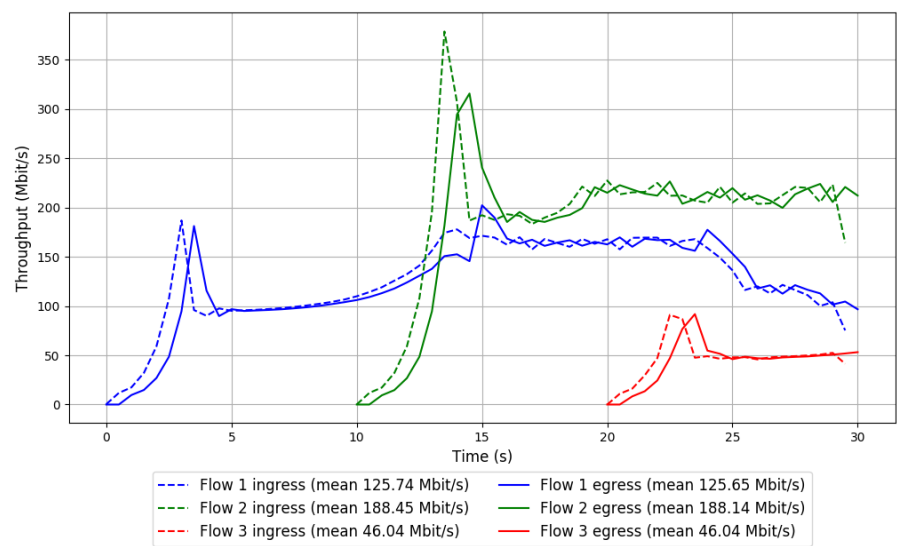


Run 3: Statistics of PCC-Expr

Start at: 2018-07-24 13:06:34
End at: 2018-07-24 13:07:04
Local clock offset: 0.025 ms
Remote clock offset: -0.345 ms

Below is generated by plot.py at 2018-07-24 18:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.94 Mbit/s
95th percentile per-packet one-way delay: 144.295 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 125.65 Mbit/s
95th percentile per-packet one-way delay: 134.705 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 188.14 Mbit/s
95th percentile per-packet one-way delay: 149.681 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 141.791 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

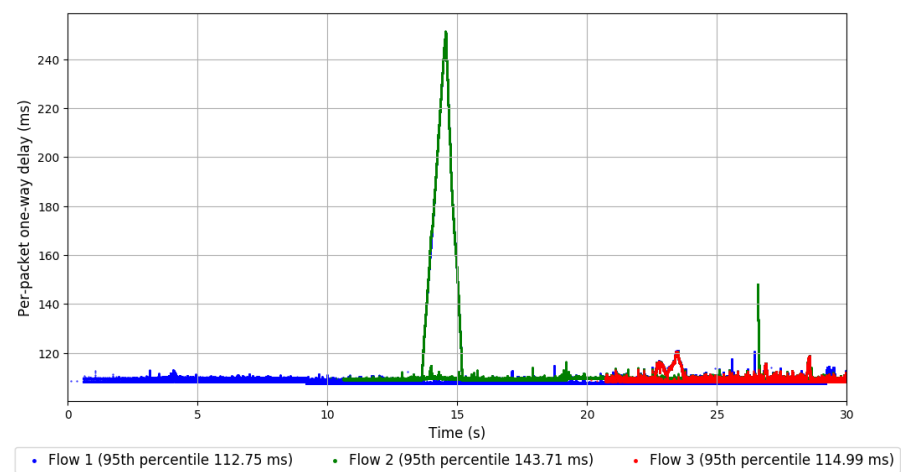
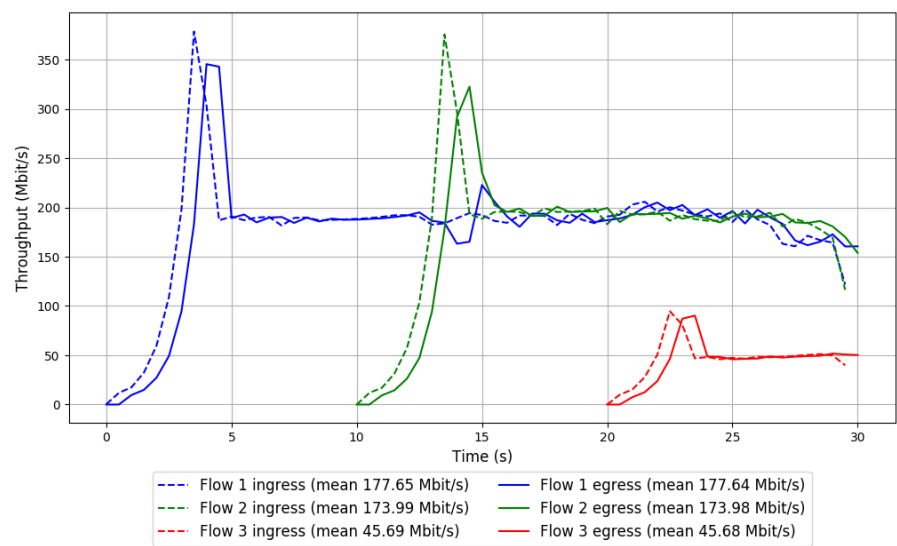


Run 4: Statistics of PCC-Expr

Start at: 2018-07-24 13:32:27
End at: 2018-07-24 13:32:57
Local clock offset: 1.476 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-07-24 18:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.39 Mbit/s
95th percentile per-packet one-way delay: 115.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.64 Mbit/s
95th percentile per-packet one-way delay: 112.745 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.98 Mbit/s
95th percentile per-packet one-way delay: 143.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 114.993 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-24 13:58:38

End at: 2018-07-24 13:59:08

Local clock offset: 0.07 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-07-24 18:06:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 261.38 Mbit/s

95th percentile per-packet one-way delay: 188.738 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 190.37 Mbit/s

95th percentile per-packet one-way delay: 204.165 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 138.756 ms

Loss rate: 0.39%

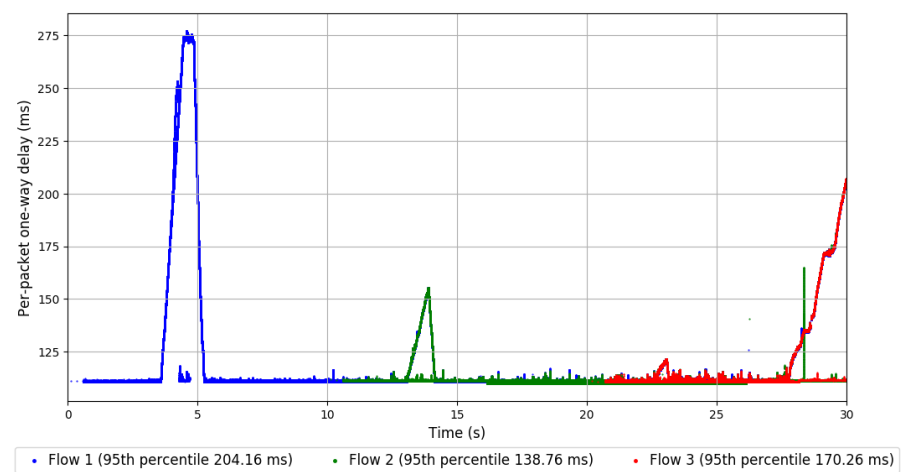
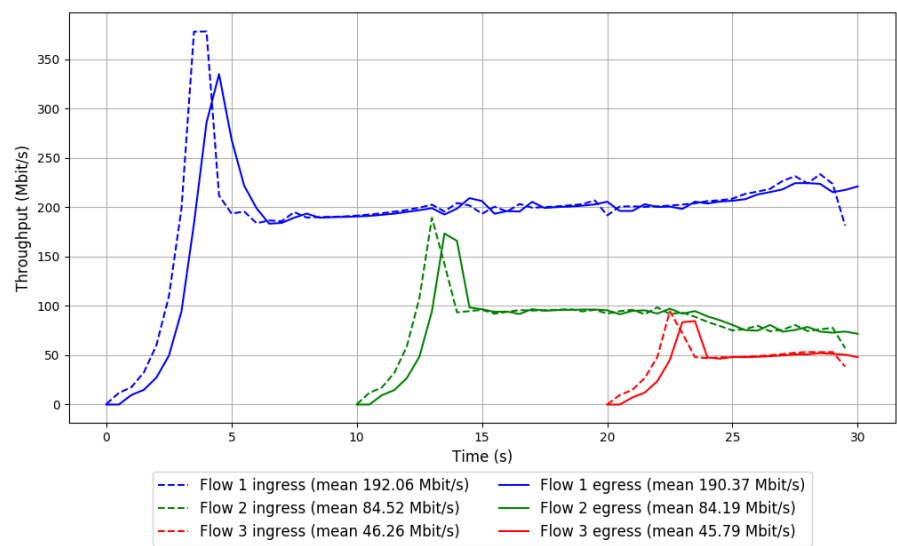
-- Flow 3:

Average throughput: 45.79 Mbit/s

95th percentile per-packet one-way delay: 170.256 ms

Loss rate: 1.00%

Run 5: Report of PCC-Expr — Data Link

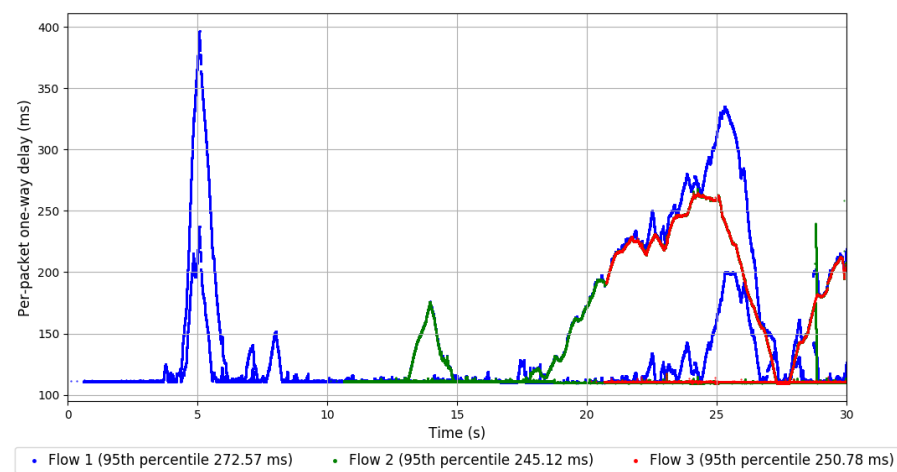
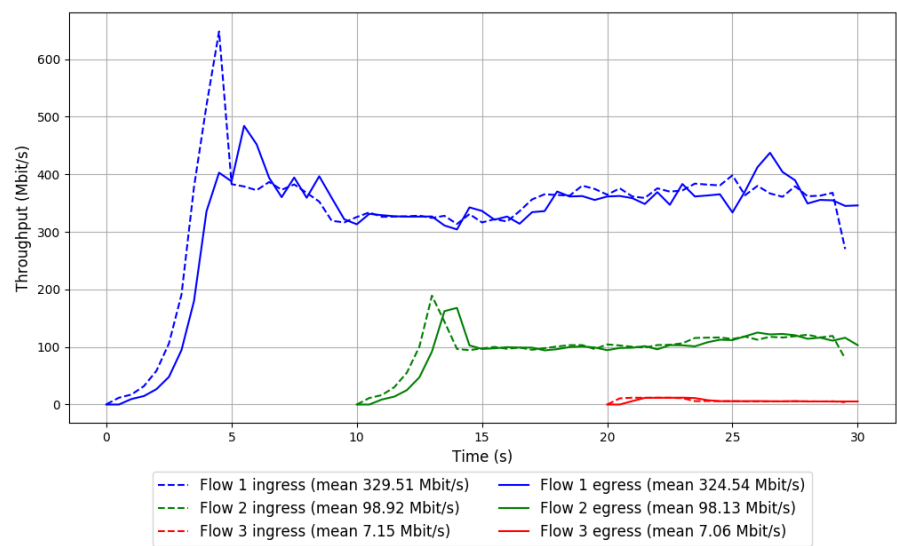


Run 6: Statistics of PCC-Expr

Start at: 2018-07-24 14:24:37
End at: 2018-07-24 14:25:07
Local clock offset: 0.075 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-07-24 18:08:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.12 Mbit/s
95th percentile per-packet one-way delay: 264.531 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 324.54 Mbit/s
95th percentile per-packet one-way delay: 272.573 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 98.13 Mbit/s
95th percentile per-packet one-way delay: 245.115 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 250.780 ms
Loss rate: 1.19%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-24 14:50:48

End at: 2018-07-24 14:51:18

Local clock offset: 0.166 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-07-24 18:08:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.87 Mbit/s

95th percentile per-packet one-way delay: 112.501 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 169.86 Mbit/s

95th percentile per-packet one-way delay: 112.028 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 131.62 Mbit/s

95th percentile per-packet one-way delay: 113.327 ms

Loss rate: 0.00%

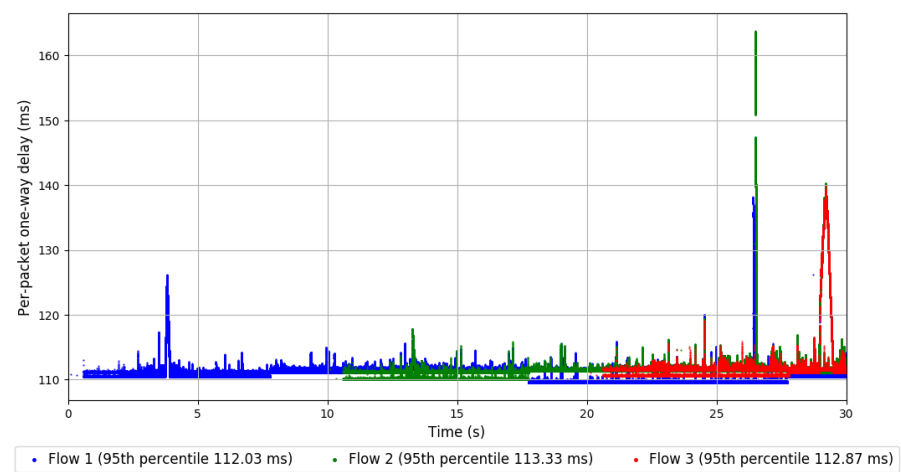
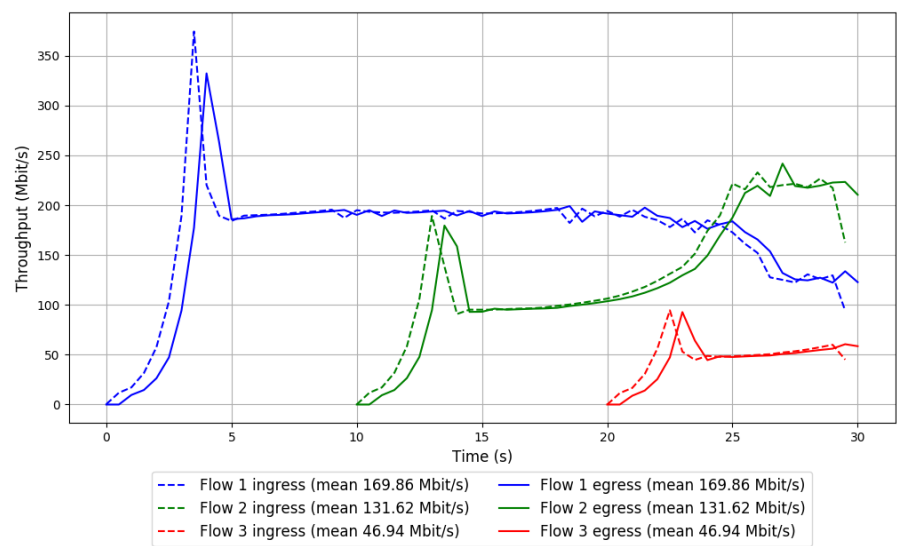
-- Flow 3:

Average throughput: 46.94 Mbit/s

95th percentile per-packet one-way delay: 112.869 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-24 15:16:43

End at: 2018-07-24 15:17:13

Local clock offset: 1.327 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-24 18:09:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.70 Mbit/s

95th percentile per-packet one-way delay: 191.018 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 296.32 Mbit/s

95th percentile per-packet one-way delay: 202.278 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 97.91 Mbit/s

95th percentile per-packet one-way delay: 170.898 ms

Loss rate: 0.00%

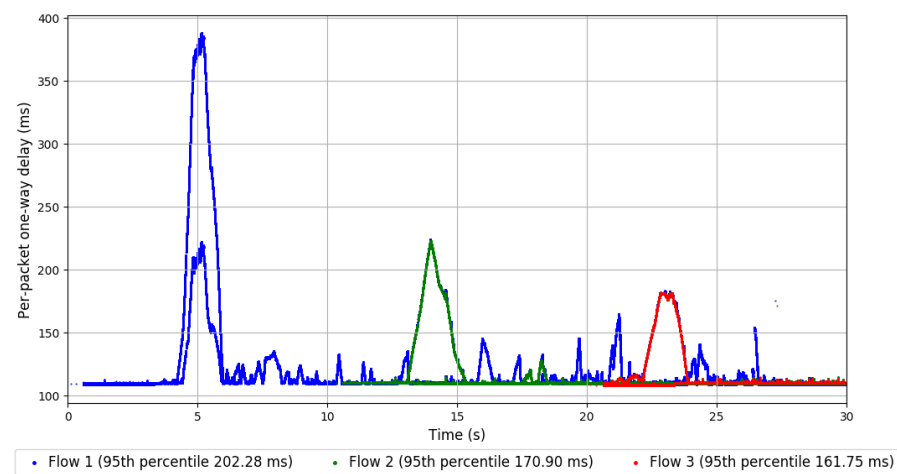
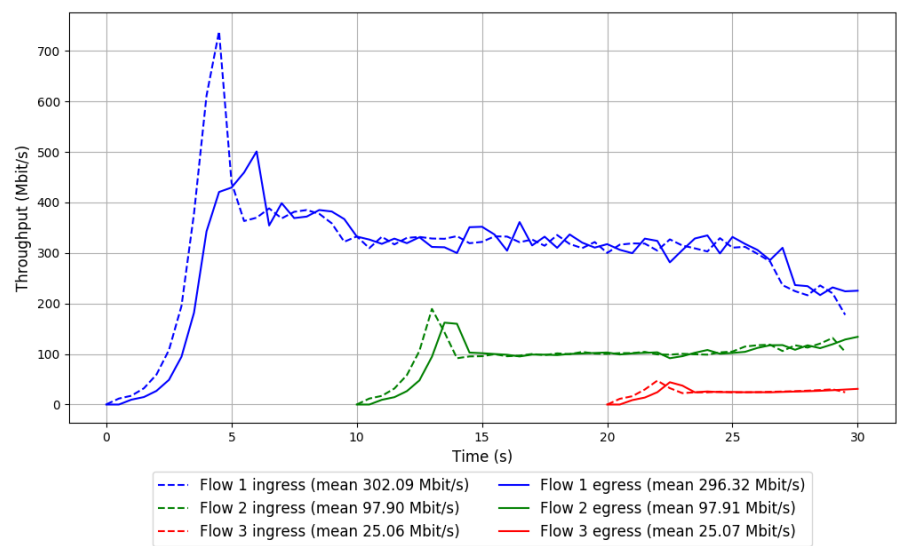
-- Flow 3:

Average throughput: 25.07 Mbit/s

95th percentile per-packet one-way delay: 161.746 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-24 15:42:54

End at: 2018-07-24 15:43:24

Local clock offset: -0.421 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-24 18:10:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.90 Mbit/s

95th percentile per-packet one-way delay: 199.204 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 262.87 Mbit/s

95th percentile per-packet one-way delay: 202.572 ms

Loss rate: 1.90%

-- Flow 2:

Average throughput: 60.02 Mbit/s

95th percentile per-packet one-way delay: 120.557 ms

Loss rate: 0.00%

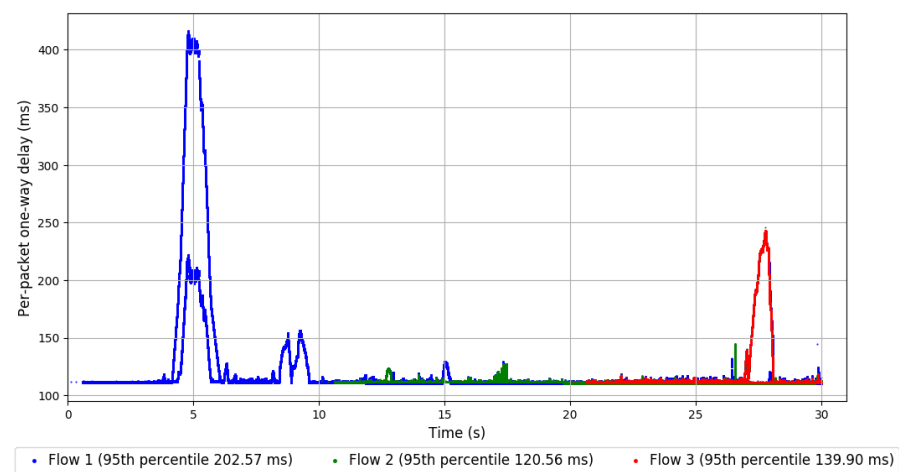
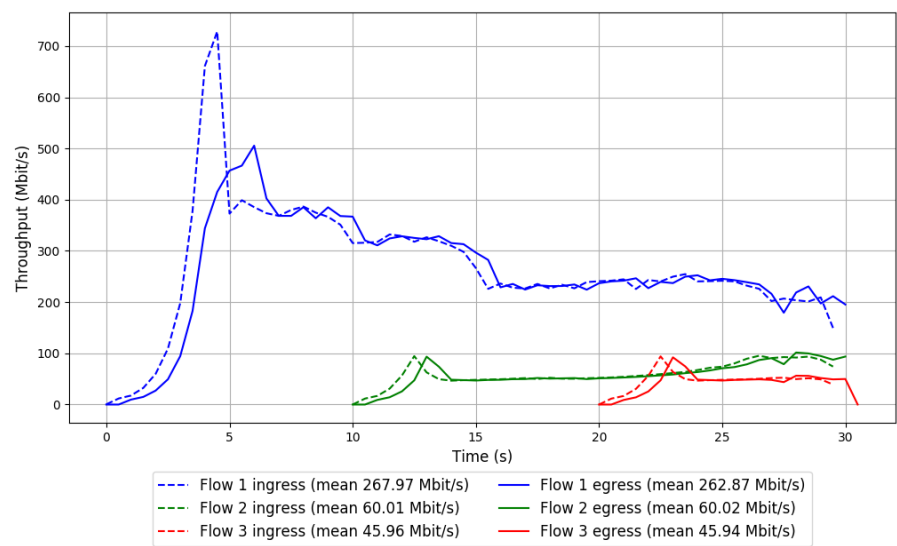
-- Flow 3:

Average throughput: 45.94 Mbit/s

95th percentile per-packet one-way delay: 139.899 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-24 16:09:15

End at: 2018-07-24 16:09:45

Local clock offset: 0.344 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 405.19 Mbit/s

95th percentile per-packet one-way delay: 230.341 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 309.07 Mbit/s

95th percentile per-packet one-way delay: 235.307 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 101.84 Mbit/s

95th percentile per-packet one-way delay: 168.997 ms

Loss rate: 0.00%

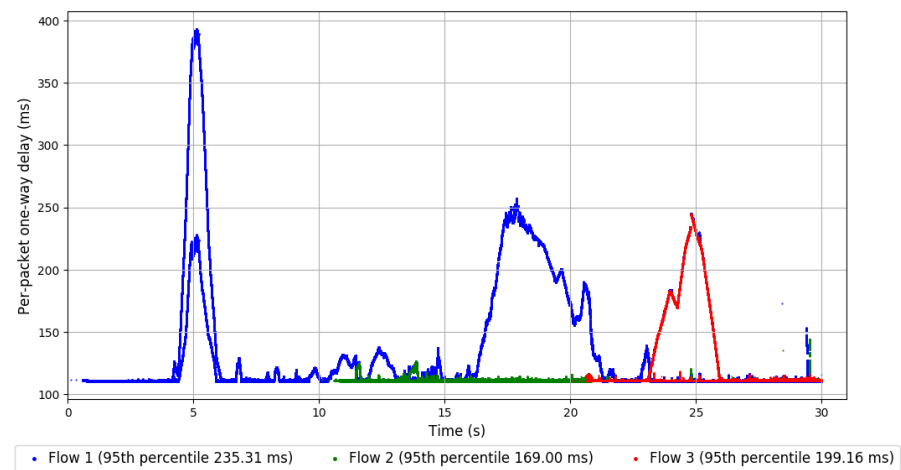
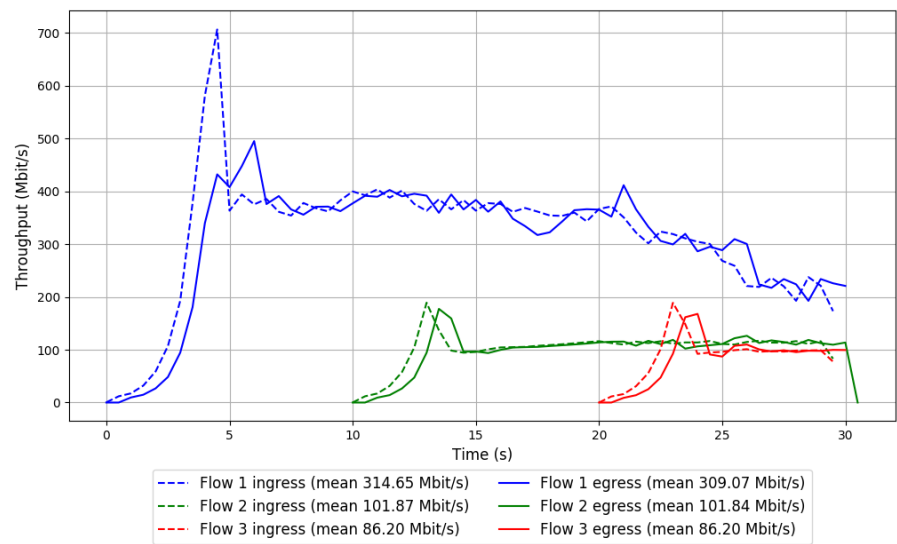
-- Flow 3:

Average throughput: 86.20 Mbit/s

95th percentile per-packet one-way delay: 199.164 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 12:15:17

End at: 2018-07-24 12:15:47

Local clock offset: 0.29 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.95 Mbit/s

95th percentile per-packet one-way delay: 111.072 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 110.842 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 111.091 ms

Loss rate: 0.00%

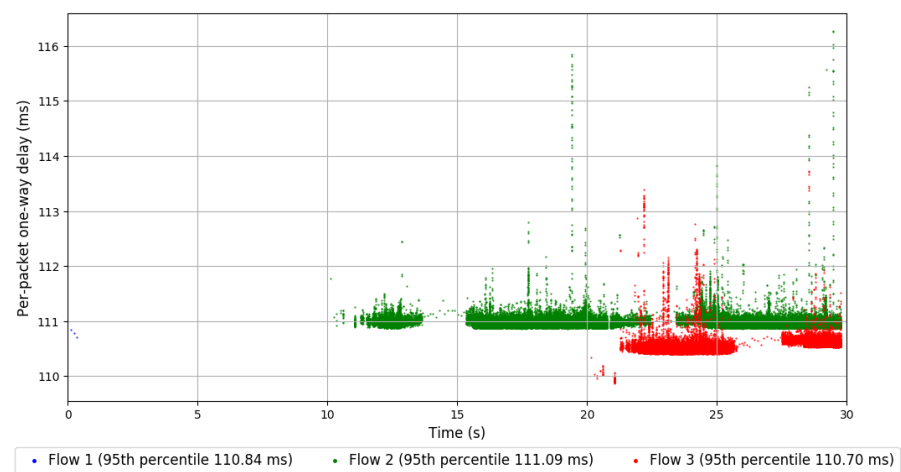
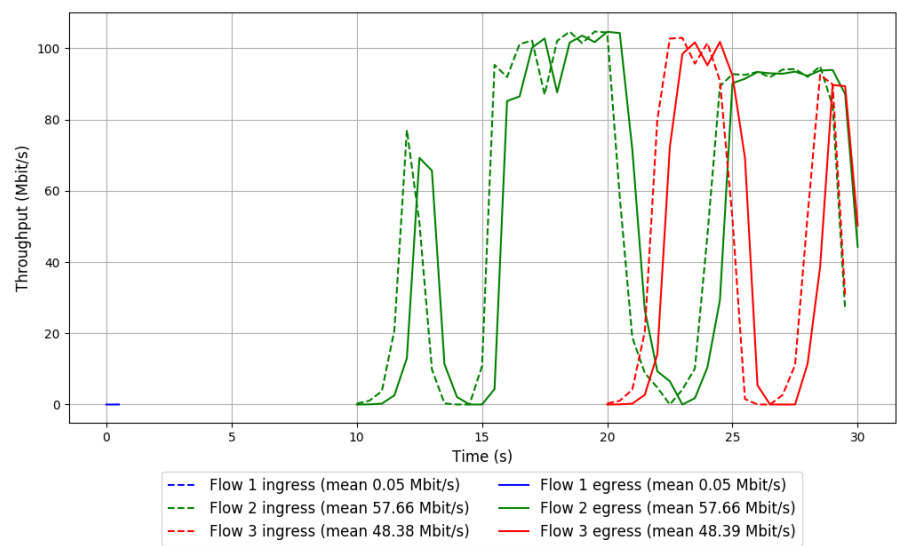
-- Flow 3:

Average throughput: 48.39 Mbit/s

95th percentile per-packet one-way delay: 110.696 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-24 12:42:08

End at: 2018-07-24 12:42:38

Local clock offset: -0.222 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.19 Mbit/s

95th percentile per-packet one-way delay: 111.804 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.39 Mbit/s

95th percentile per-packet one-way delay: 111.831 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 111.093 ms

Loss rate: 0.00%

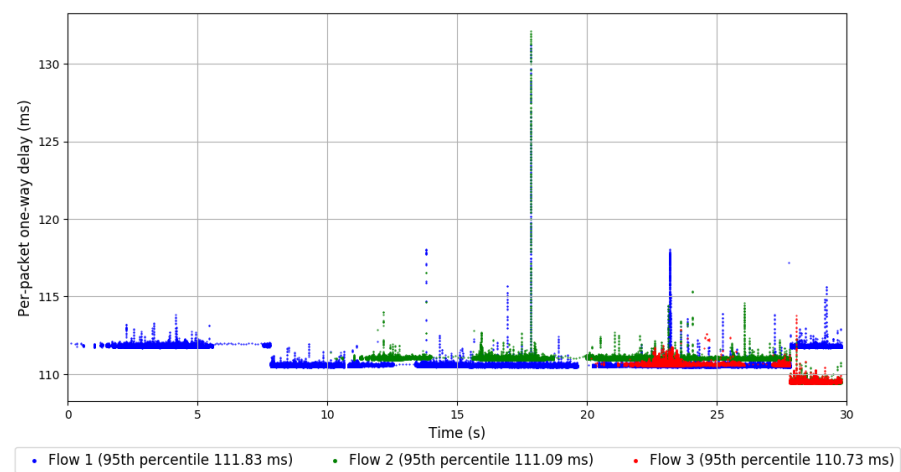
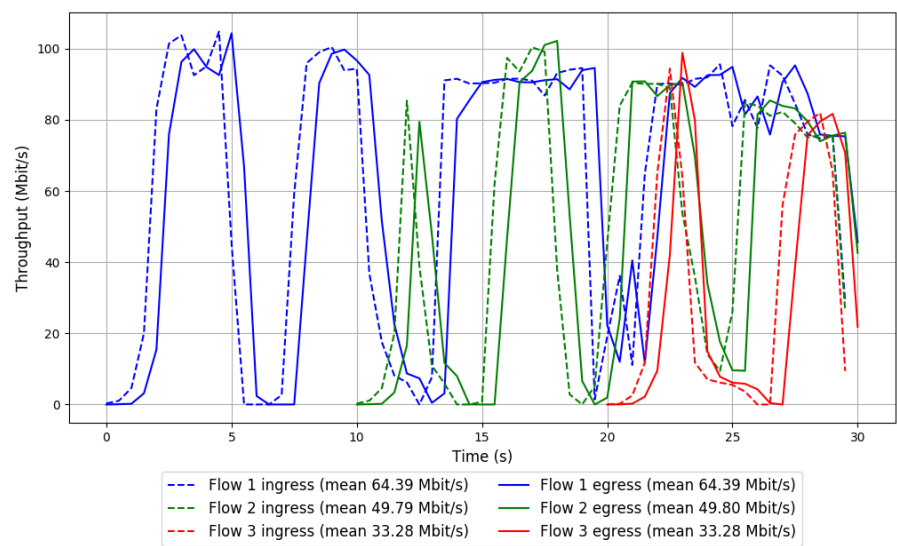
-- Flow 3:

Average throughput: 33.28 Mbit/s

95th percentile per-packet one-way delay: 110.727 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-24 13:08:13

End at: 2018-07-24 13:08:43

Local clock offset: -0.132 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.17 Mbit/s

95th percentile per-packet one-way delay: 112.021 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.99 Mbit/s

95th percentile per-packet one-way delay: 111.600 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 112.074 ms

Loss rate: 0.00%

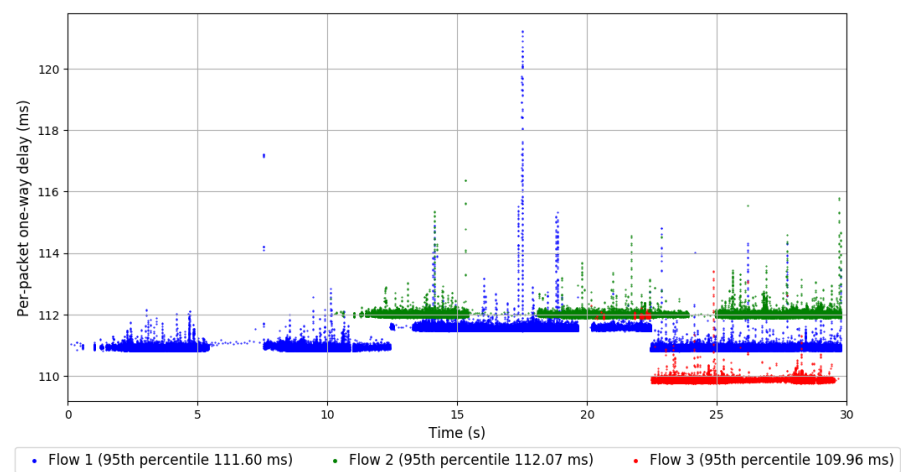
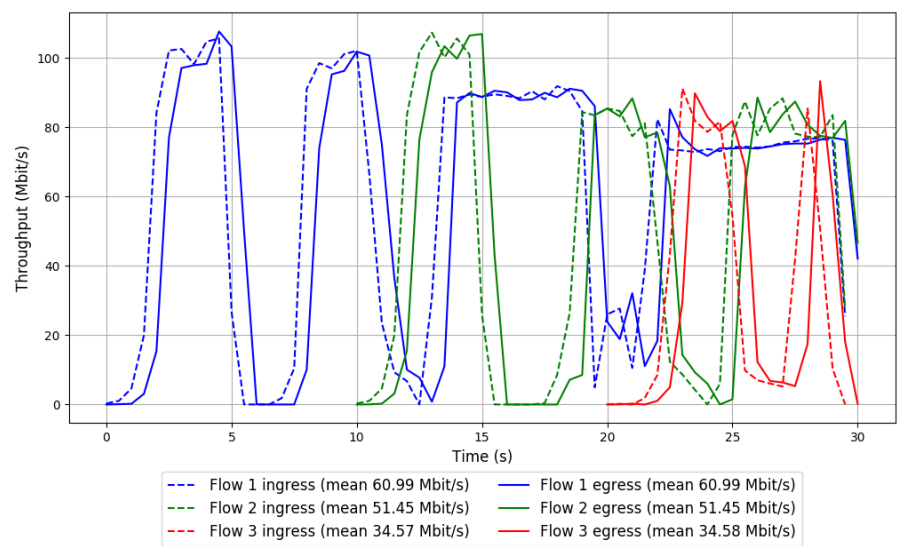
-- Flow 3:

Average throughput: 34.58 Mbit/s

95th percentile per-packet one-way delay: 109.961 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-24 13:34:10

End at: 2018-07-24 13:34:40

Local clock offset: 0.101 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.32 Mbit/s

95th percentile per-packet one-way delay: 111.549 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.72 Mbit/s

95th percentile per-packet one-way delay: 111.514 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.07 Mbit/s

95th percentile per-packet one-way delay: 111.591 ms

Loss rate: 0.00%

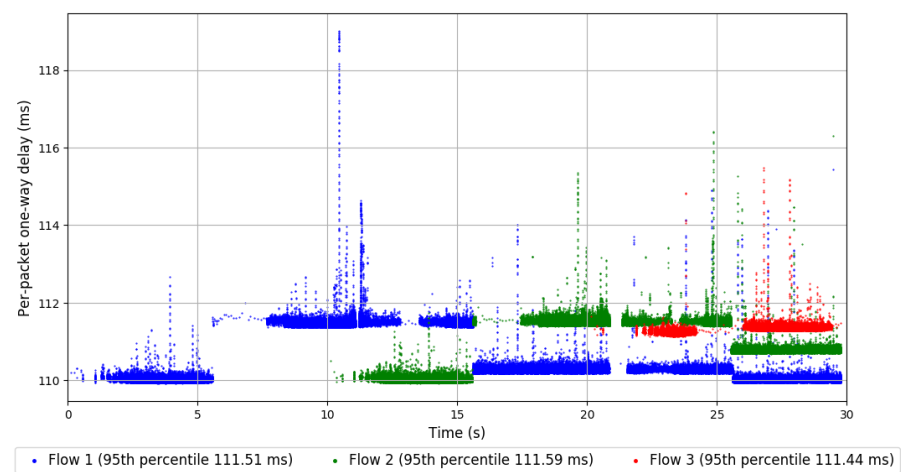
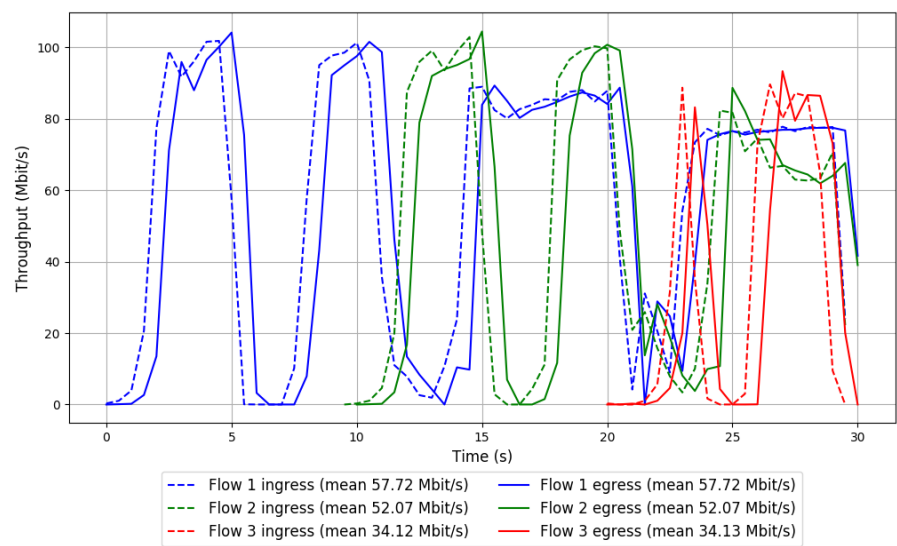
-- Flow 3:

Average throughput: 34.13 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-24 14:00:18

End at: 2018-07-24 14:00:48

Local clock offset: -0.08 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.86 Mbit/s

95th percentile per-packet one-way delay: 111.634 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.23 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.44 Mbit/s

95th percentile per-packet one-way delay: 111.585 ms

Loss rate: 0.00%

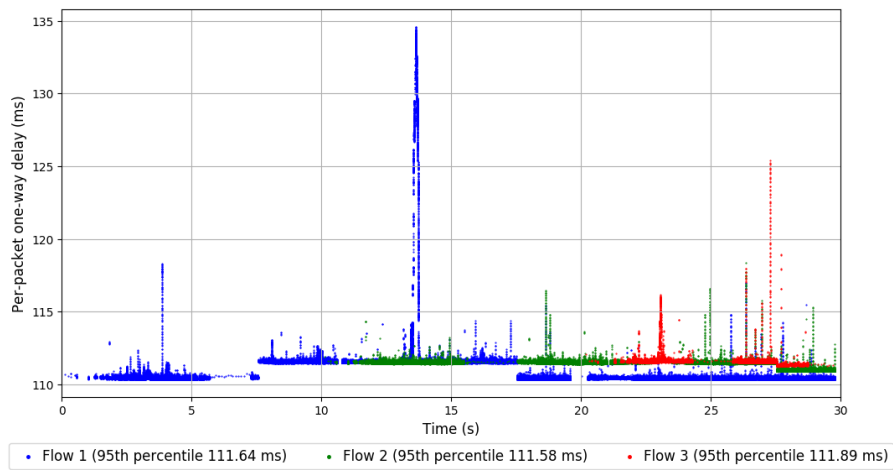
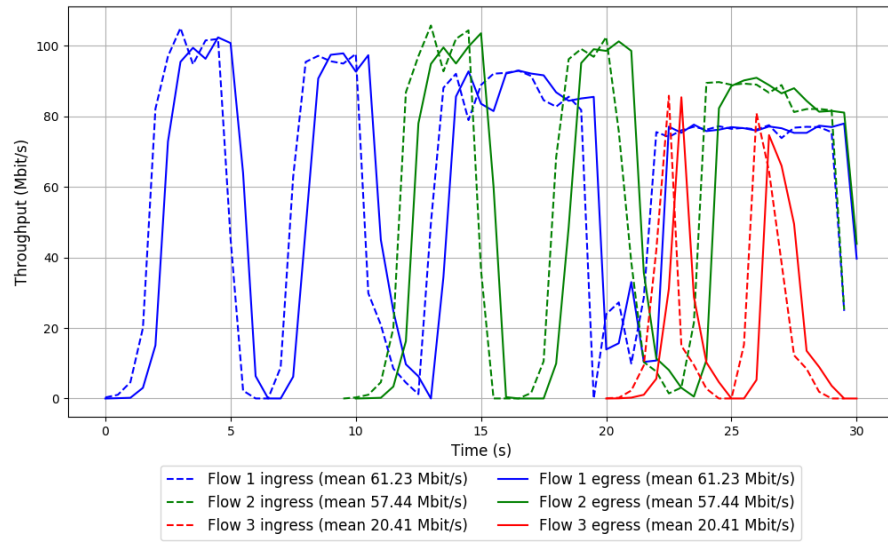
-- Flow 3:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 111.891 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

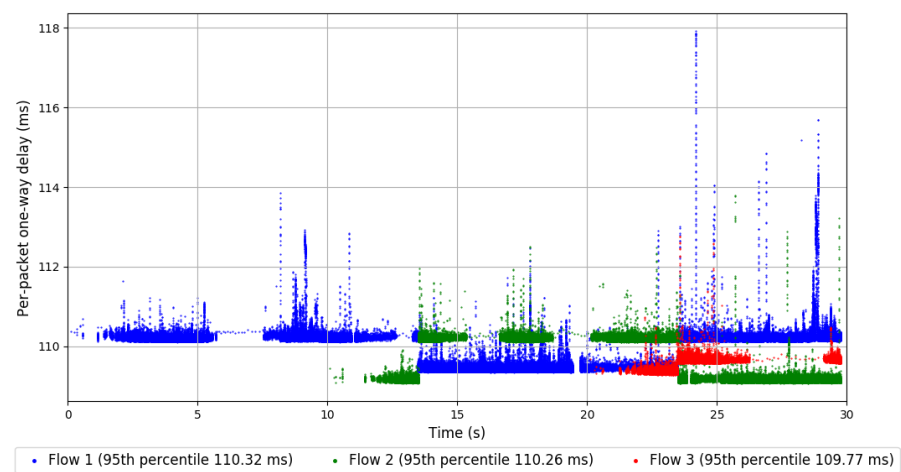
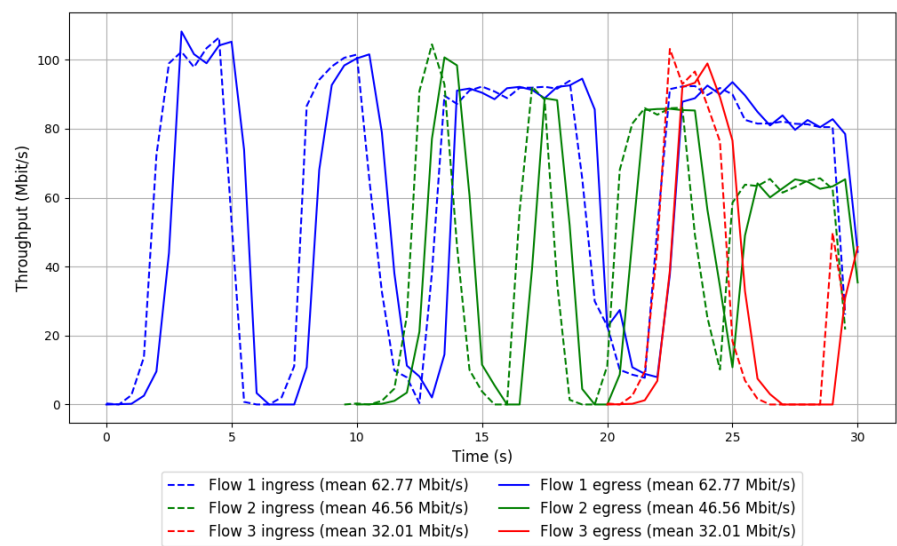


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-24 14:26:22
End at: 2018-07-24 14:26:52
Local clock offset: 0.34 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-07-24 18:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.06 Mbit/s
95th percentile per-packet one-way delay: 110.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.77 Mbit/s
95th percentile per-packet one-way delay: 110.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 110.257 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 109.771 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

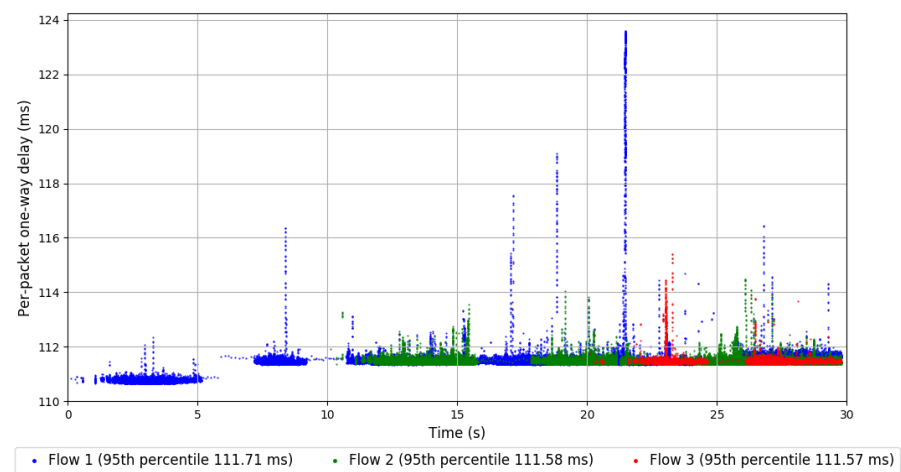
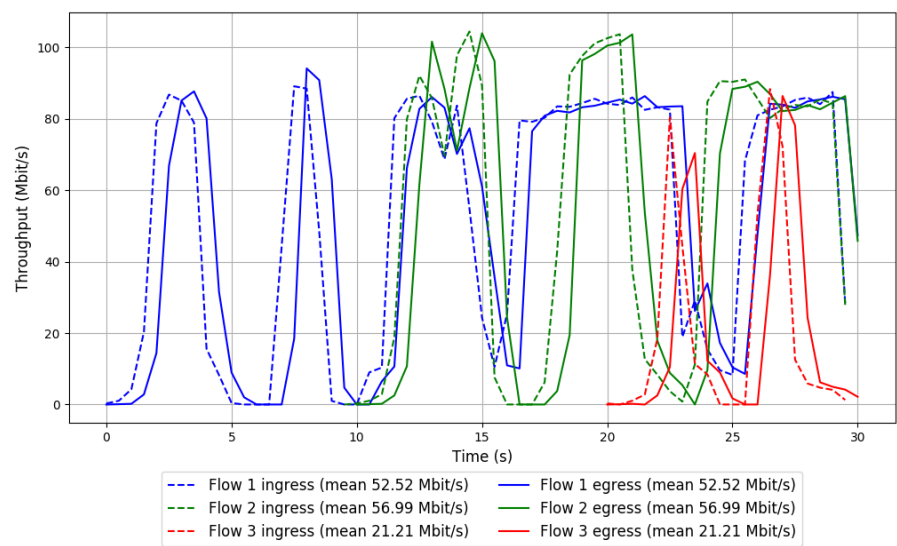


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-24 14:52:30
End at: 2018-07-24 14:53:00
Local clock offset: -1.336 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-24 18:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 111.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 111.707 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 111.576 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 111.570 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

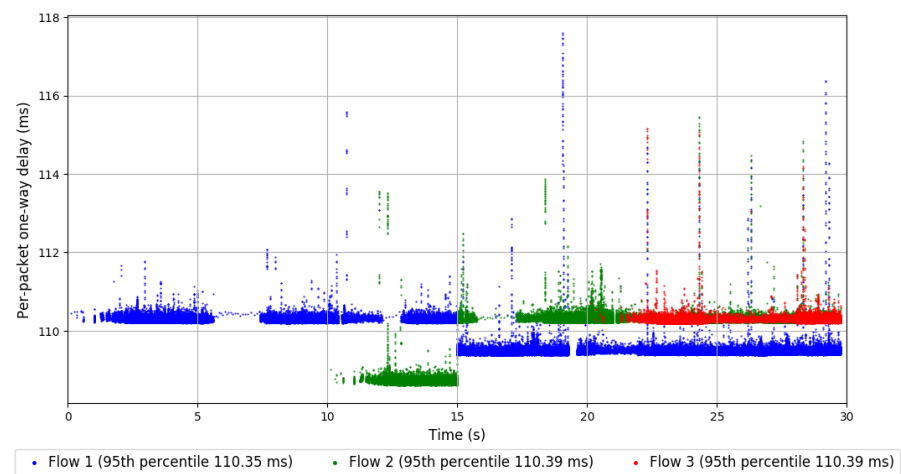
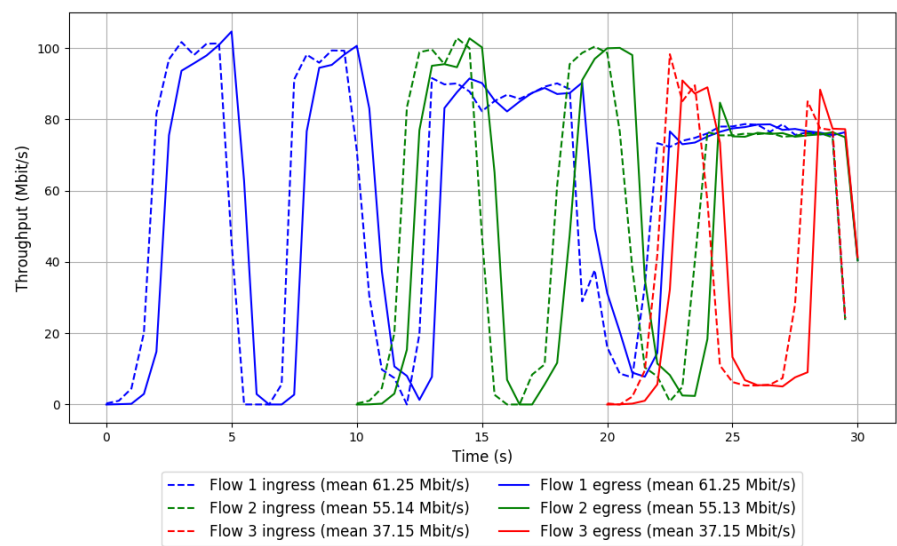


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-24 15:18:31
End at: 2018-07-24 15:19:01
Local clock offset: 0.199 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-07-24 18:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.86 Mbit/s
95th percentile per-packet one-way delay: 110.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 110.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.13 Mbit/s
95th percentile per-packet one-way delay: 110.385 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 110.387 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-24 15:44:37

End at: 2018-07-24 15:45:07

Local clock offset: 0.081 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.00 Mbit/s

95th percentile per-packet one-way delay: 111.795 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.45 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 111.845 ms

Loss rate: 0.00%

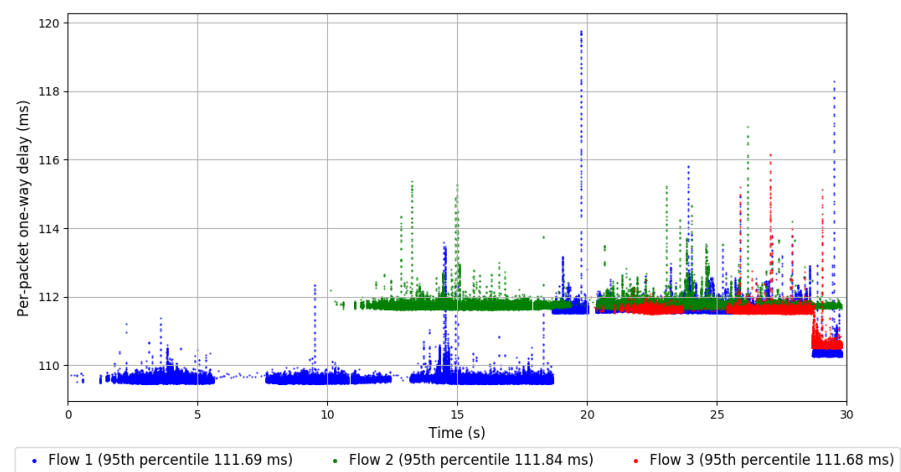
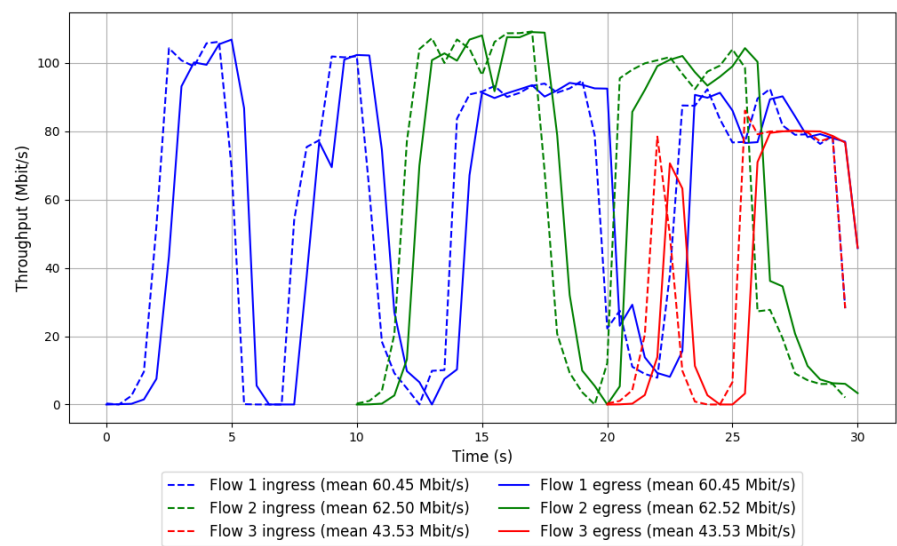
-- Flow 3:

Average throughput: 43.53 Mbit/s

95th percentile per-packet one-way delay: 111.676 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

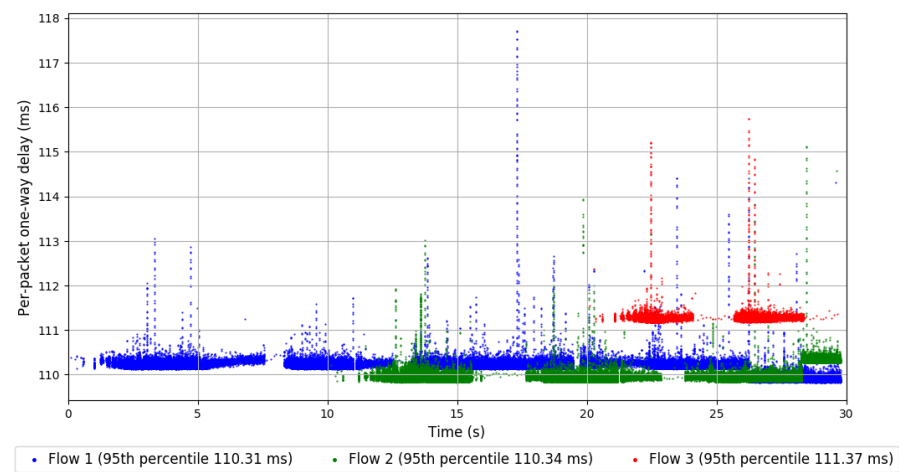
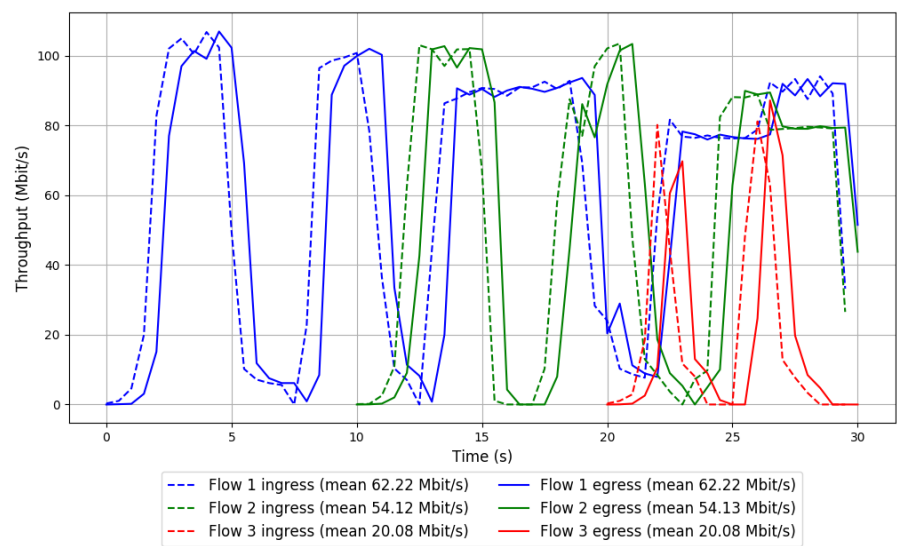


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-24 16:11:08
End at: 2018-07-24 16:11:38
Local clock offset: 0.133 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-24 18:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.50 Mbit/s
95th percentile per-packet one-way delay: 111.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.22 Mbit/s
95th percentile per-packet one-way delay: 110.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 110.339 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 111.368 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

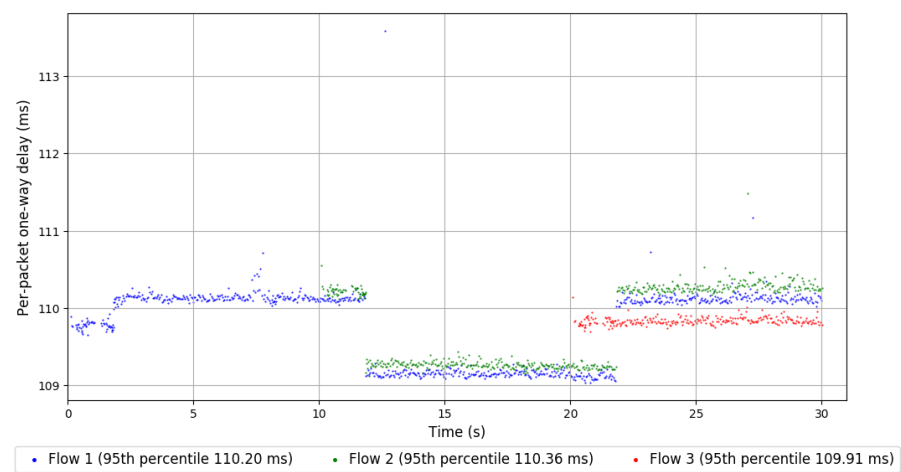
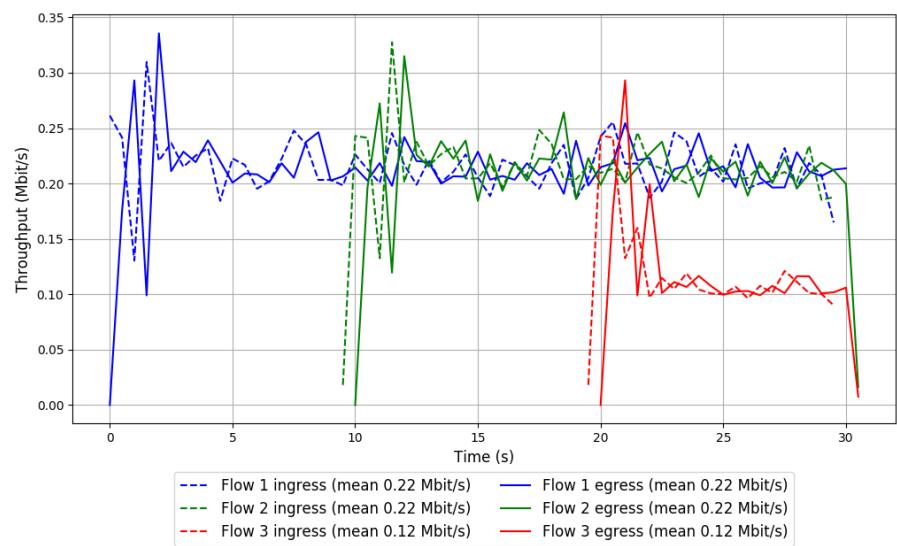


```
Run 1: Statistics of SReAM

Start at: 2018-07-24 12:16:34
End at: 2018-07-24 12:17:04
Local clock offset: 1.273 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-07-24 18:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 110.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.196 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.355 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 109.914 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

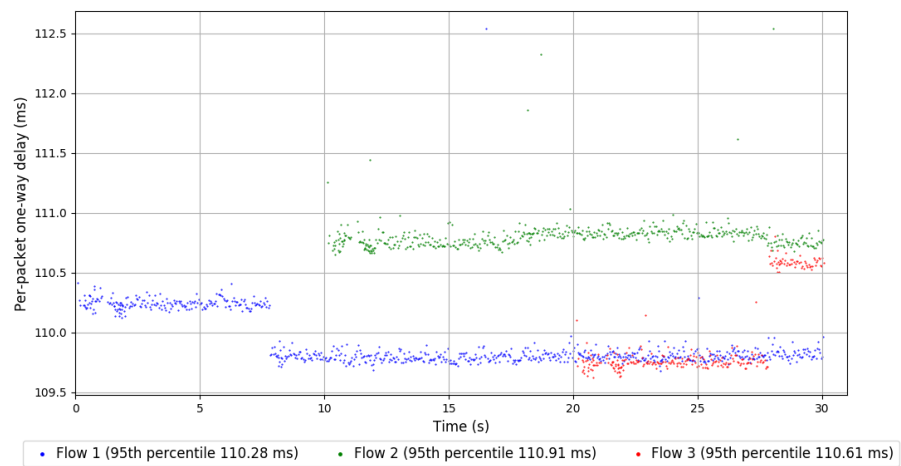
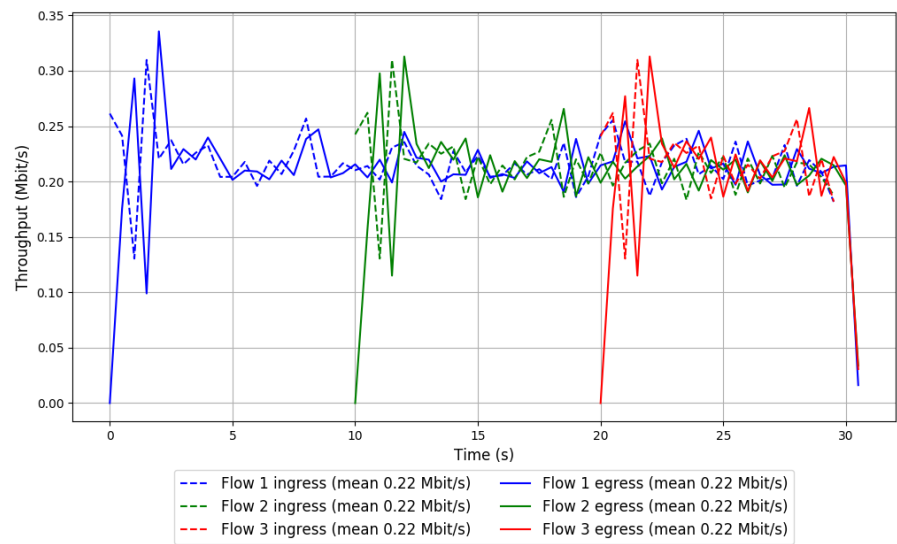


Run 2: Statistics of SReAM

Start at: 2018-07-24 12:43:28
End at: 2018-07-24 12:43:58
Local clock offset: 0.394 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-07-24 18:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.854 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.905 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.608 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

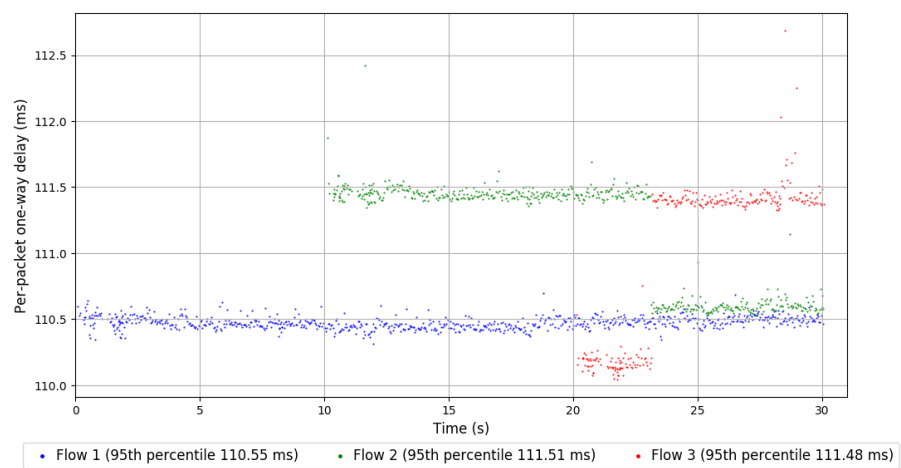
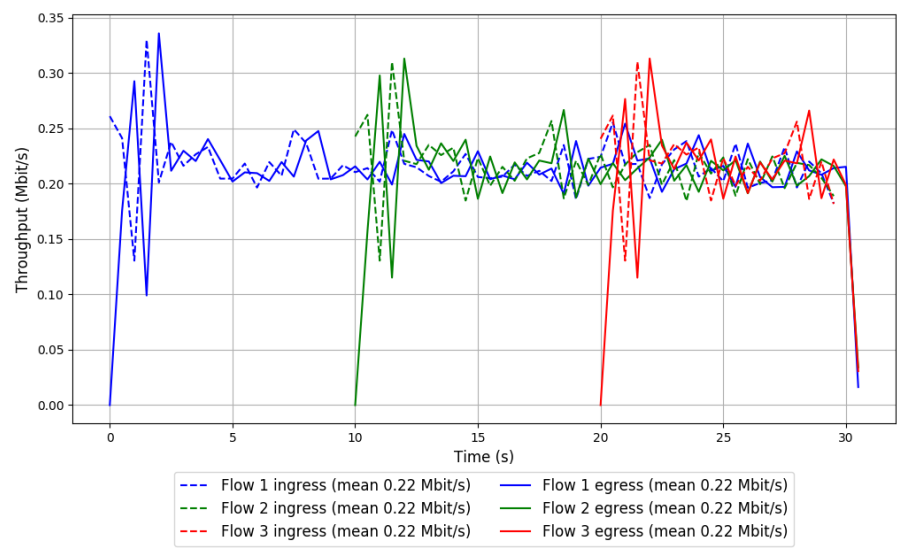


Run 3: Statistics of SReAM

Start at: 2018-07-24 13:09:33
End at: 2018-07-24 13:10:03
Local clock offset: -0.272 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-07-24 18:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.550 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.485 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

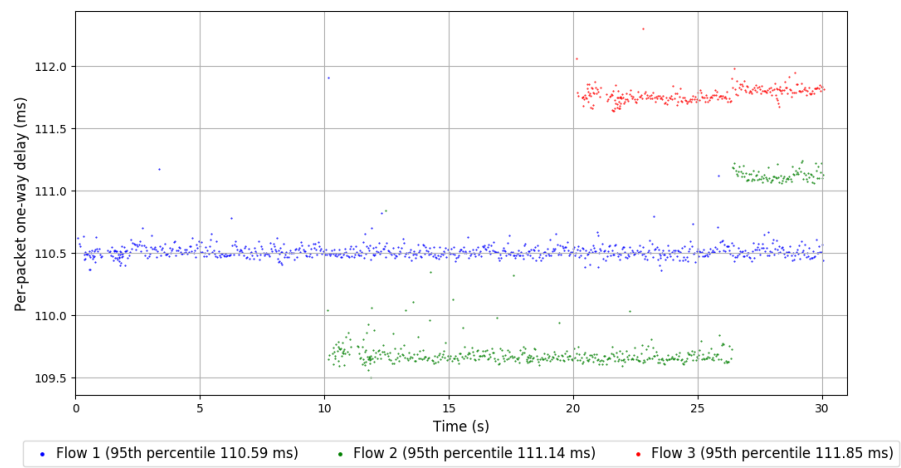
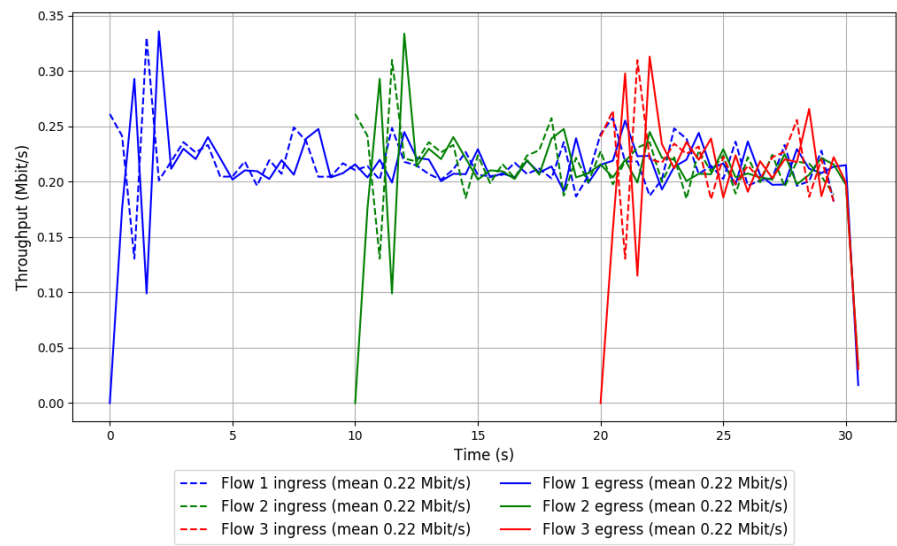


Run 4: Statistics of SReAM

Start at: 2018-07-24 13:35:30
End at: 2018-07-24 13:36:00
Local clock offset: -0.072 ms
Remote clock offset: 0.022 ms

```
# Below is generated by plot.py at 2018-07-24 18:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.592 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.851 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-24 14:01:38

End at: 2018-07-24 14:02:08

Local clock offset: 0.194 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 111.327 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 111.353 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.976 ms

Loss rate: 0.00%

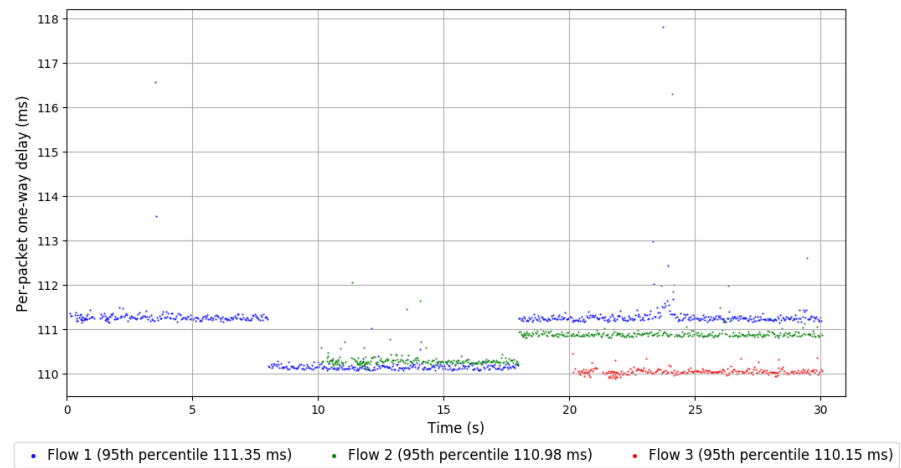
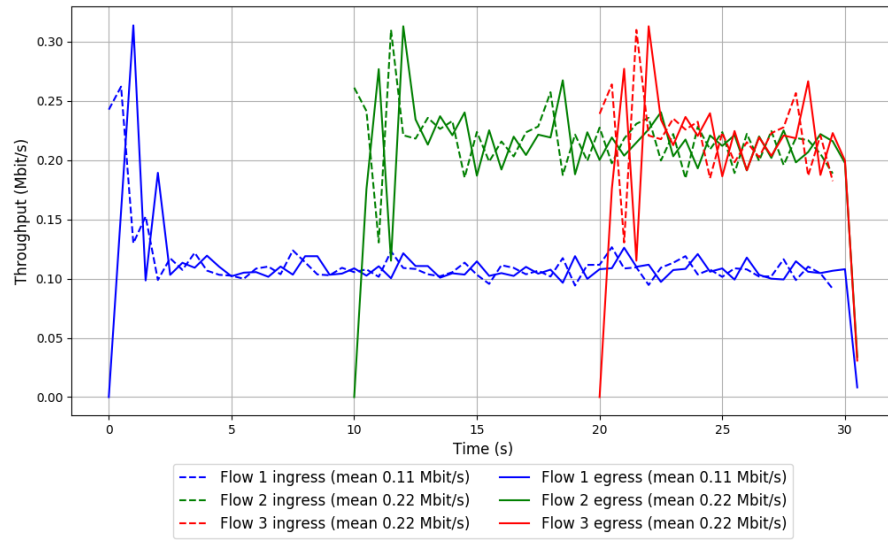
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.146 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-24 14:27:42

End at: 2018-07-24 14:28:12

Local clock offset: 0.104 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.974 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.008 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

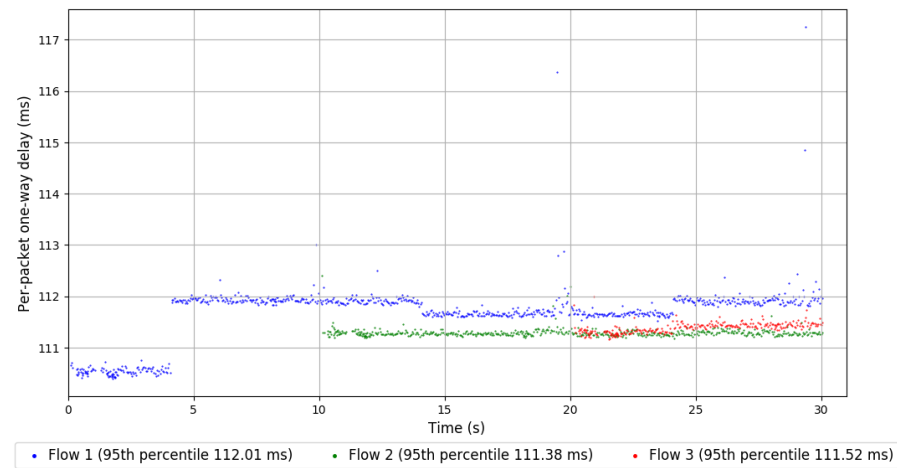
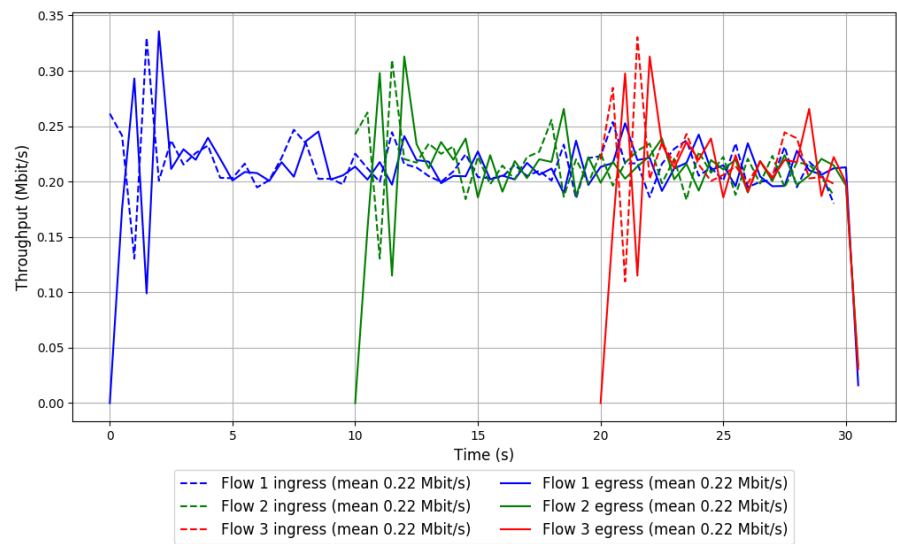
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.523 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-24 14:53:49

End at: 2018-07-24 14:54:19

Local clock offset: 0.049 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.844 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.827 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.503 ms

Loss rate: 0.00%

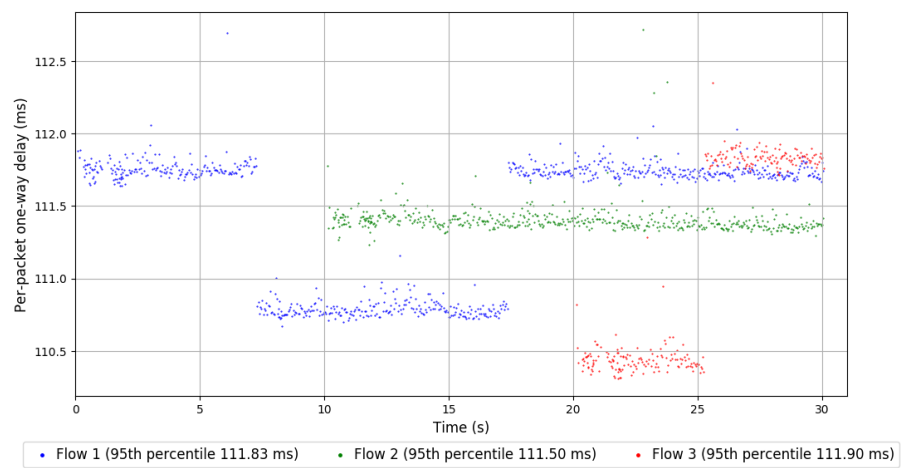
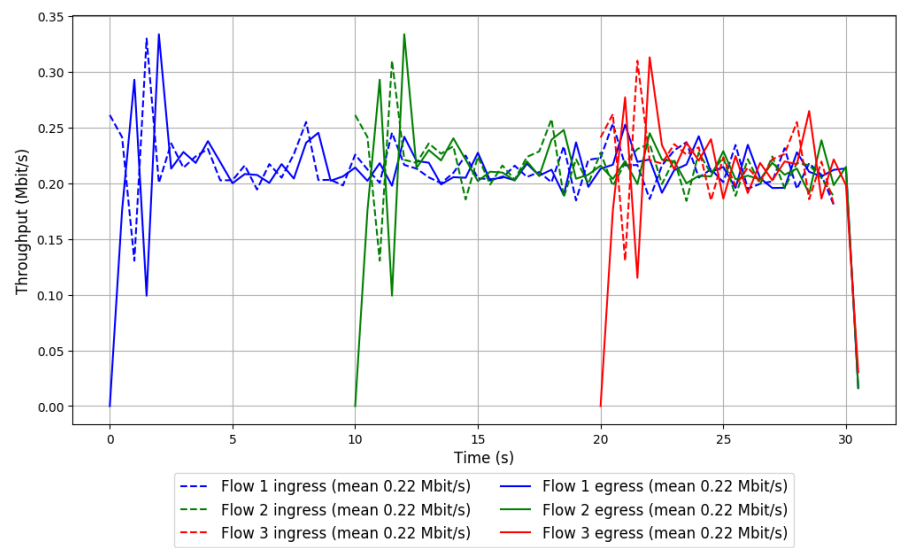
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

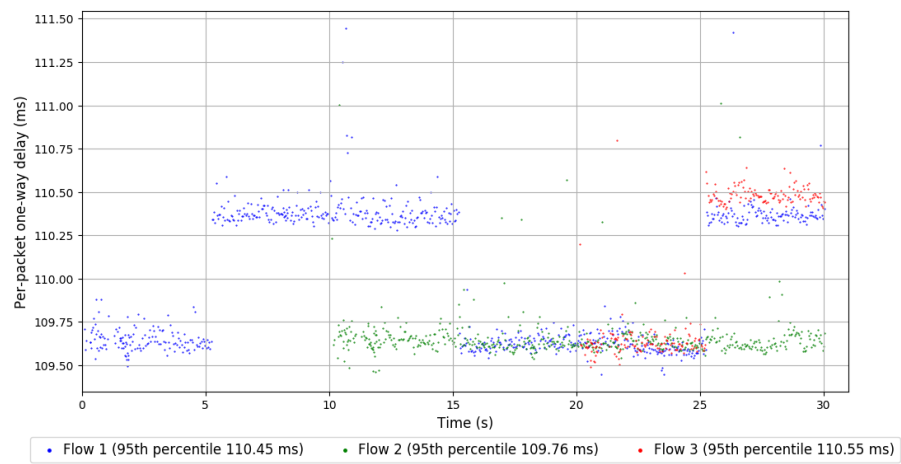
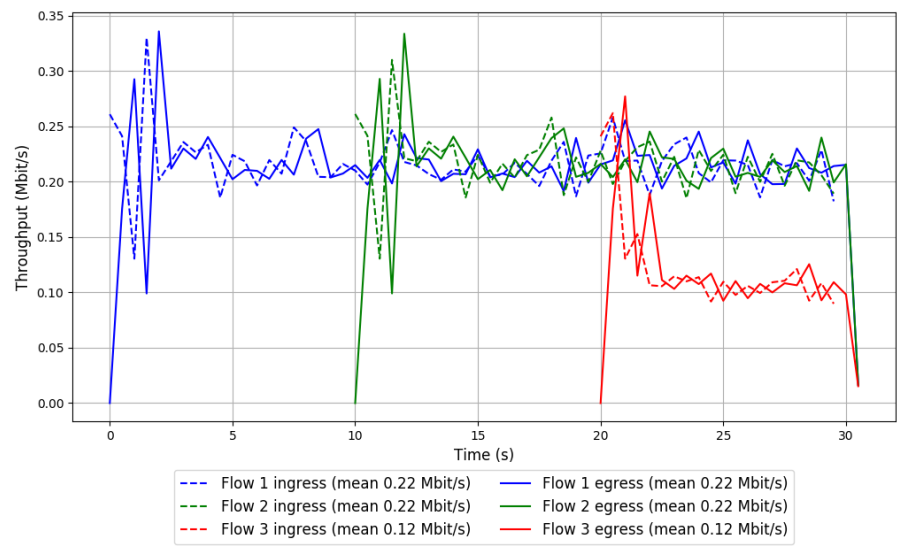


Run 8: Statistics of SReAM

Start at: 2018-07-24 15:19:51
End at: 2018-07-24 15:20:21
Local clock offset: -0.195 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-24 18:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 110.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.446 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.762 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 110.547 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-24 15:45:58

End at: 2018-07-24 15:46:28

Local clock offset: -1.61 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 113.450 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.451 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.500 ms

Loss rate: 0.00%

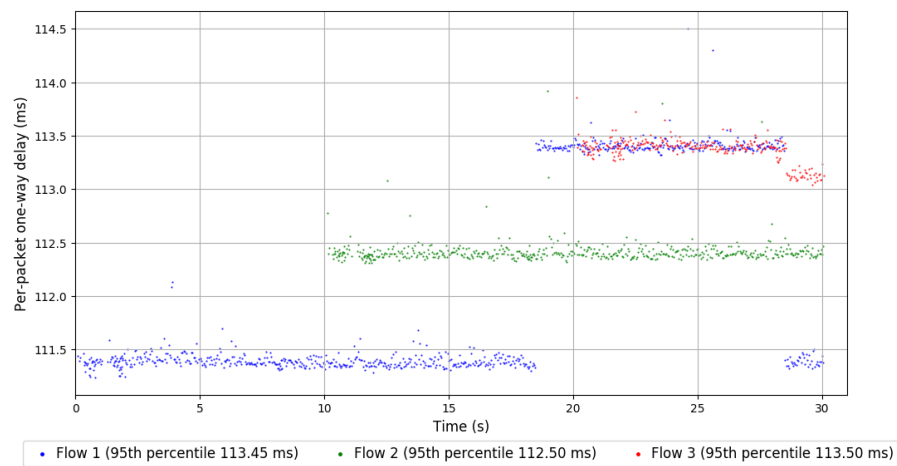
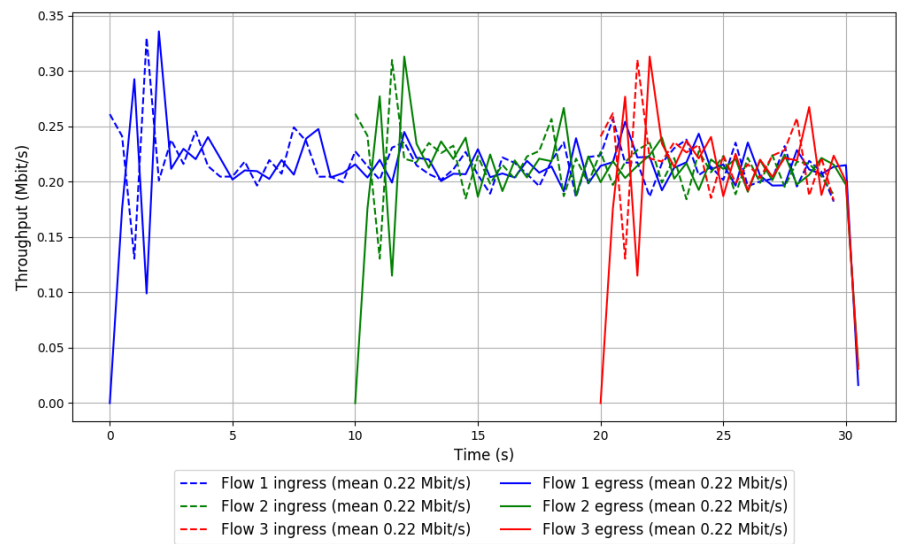
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.496 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-24 16:12:27

End at: 2018-07-24 16:12:57

Local clock offset: 0.178 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 110.551 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.555 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.515 ms

Loss rate: 0.00%

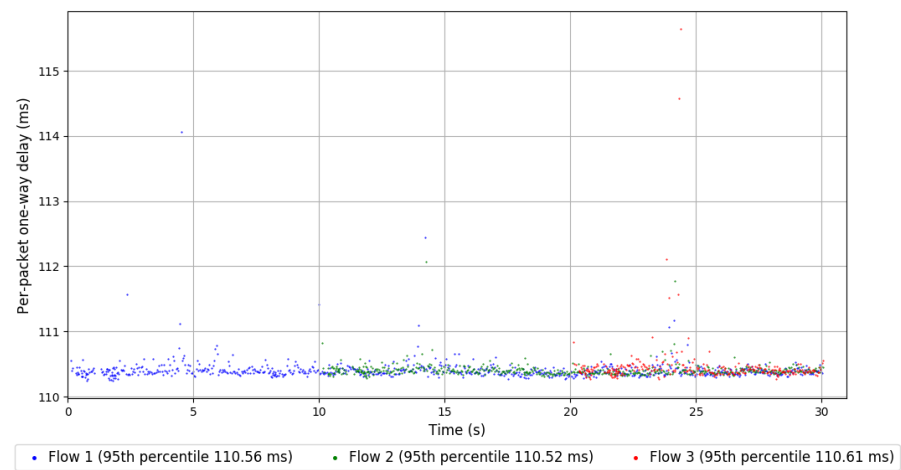
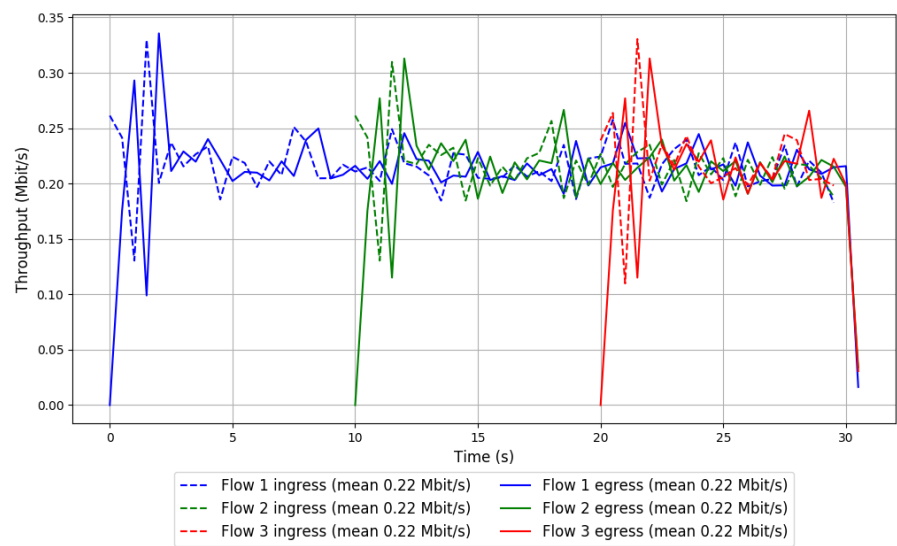
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.614 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-24 11:58:01

End at: 2018-07-24 11:58:31

Local clock offset: 1.19 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 110.830 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 110.787 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 110.701 ms

Loss rate: 0.00%

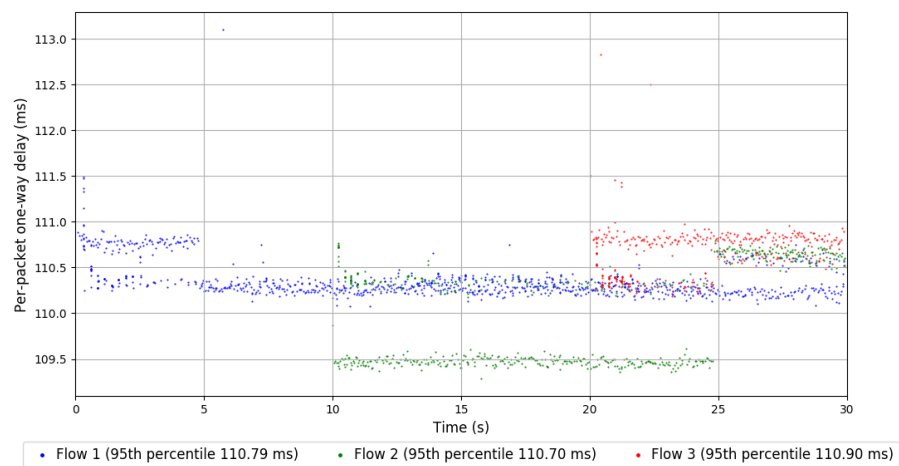
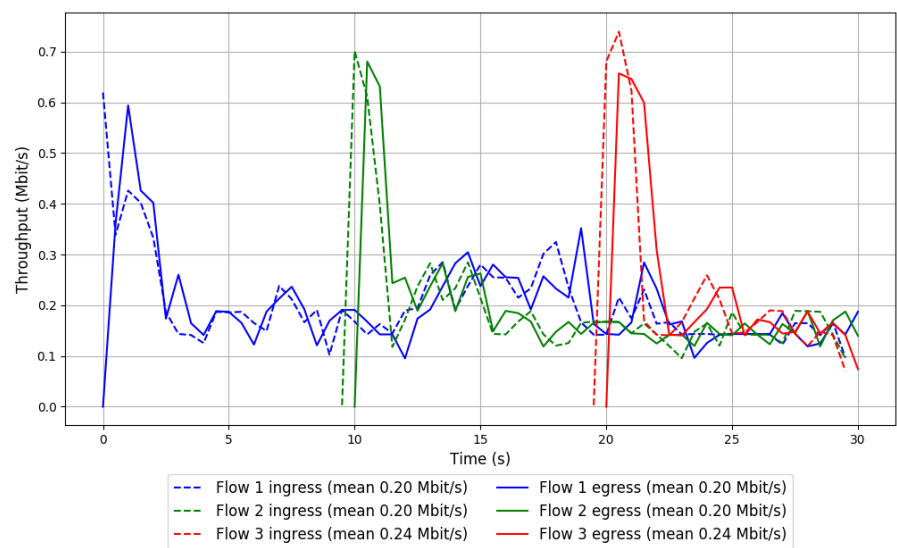
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 110.899 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

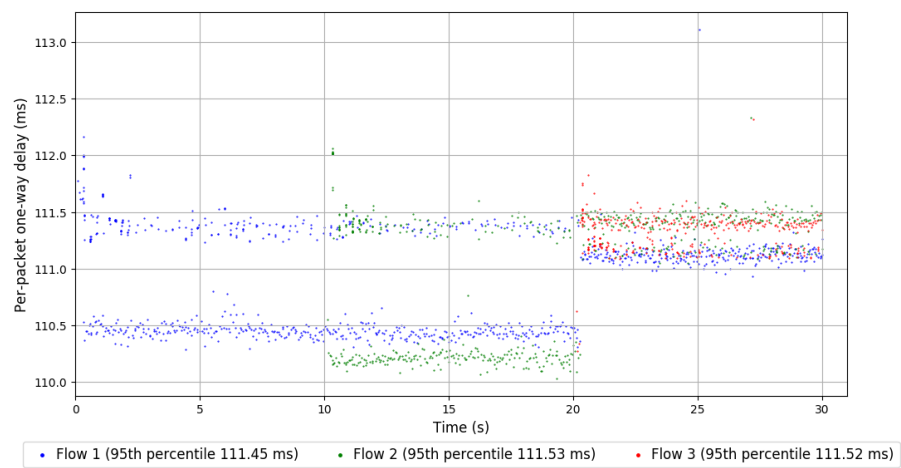
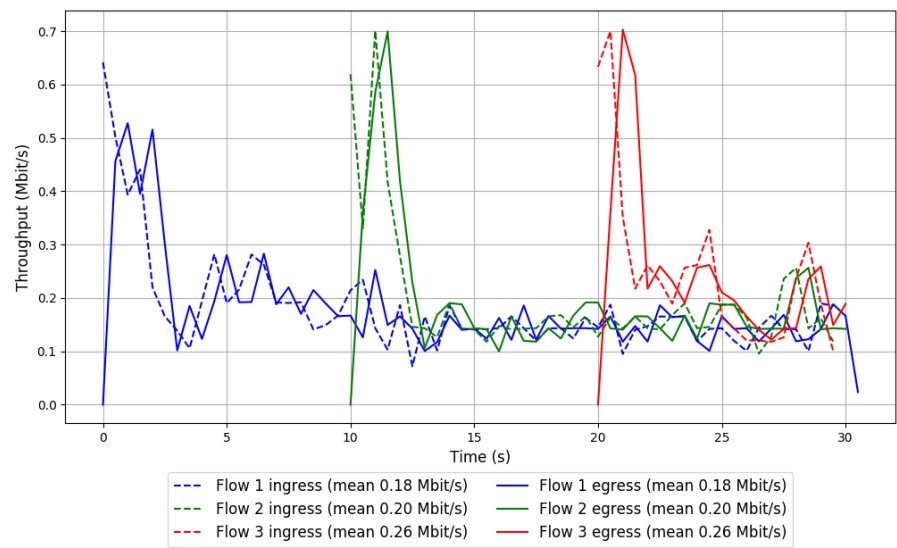


Run 2: Statistics of Sprout

Start at: 2018-07-24 12:24:56
End at: 2018-07-24 12:25:26
Local clock offset: 0.263 ms
Remote clock offset: 0.36 ms

```
# Below is generated by plot.py at 2018-07-24 18:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.520 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

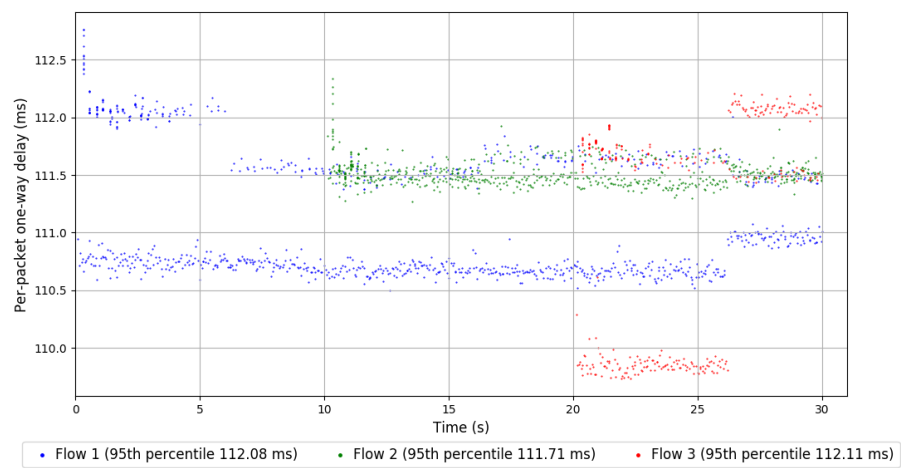
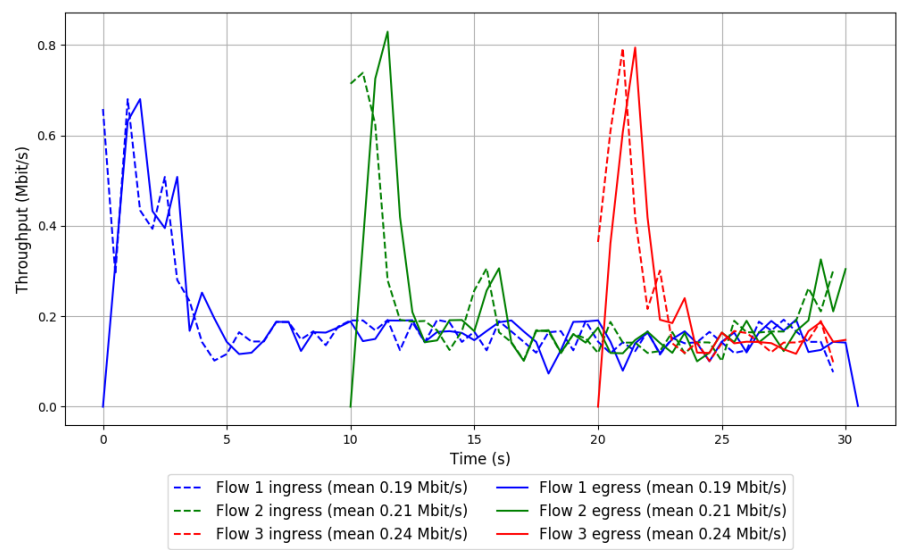


Run 3: Statistics of Sprout

Start at: 2018-07-24 12:51:40
End at: 2018-07-24 12:52:10
Local clock offset: -0.1 ms
Remote clock offset: 0.355 ms

```
# Below is generated by plot.py at 2018-07-24 18:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 112.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.711 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.109 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-24 13:17:49

End at: 2018-07-24 13:18:19

Local clock offset: 0.046 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-24 18:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.48 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.625 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 111.698 ms

Loss rate: 0.00%

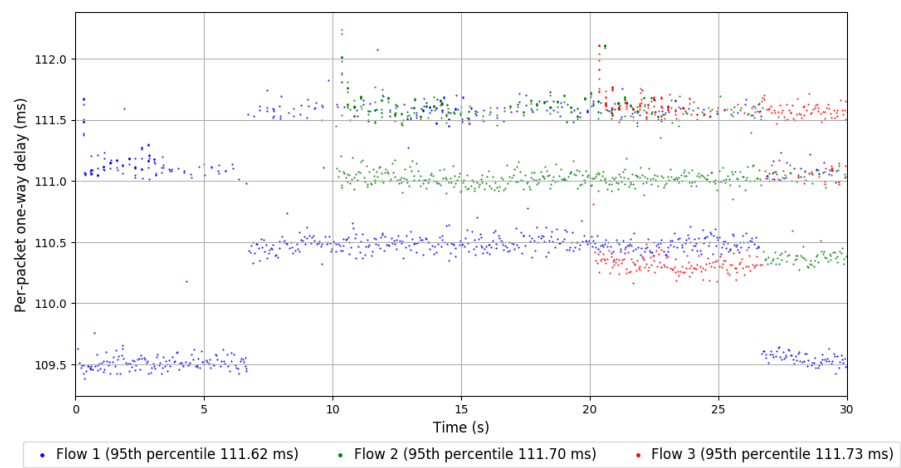
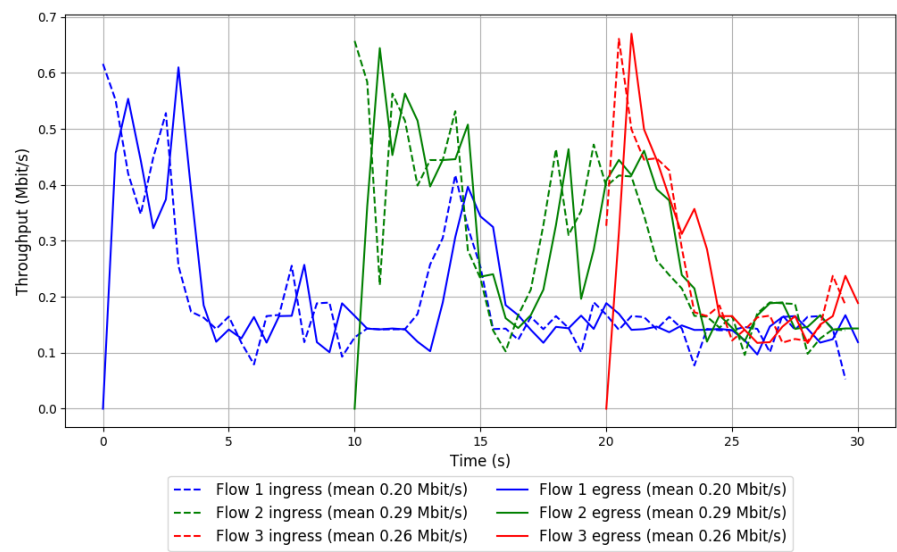
-- Flow 3:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 111.735 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

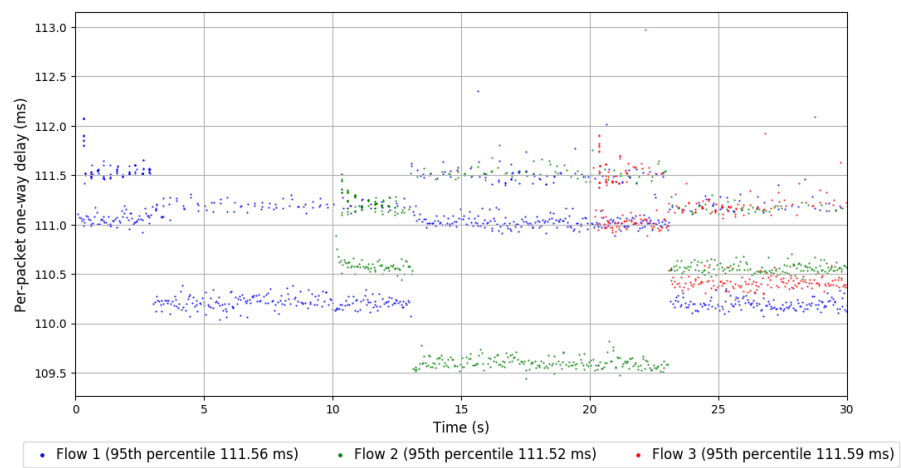
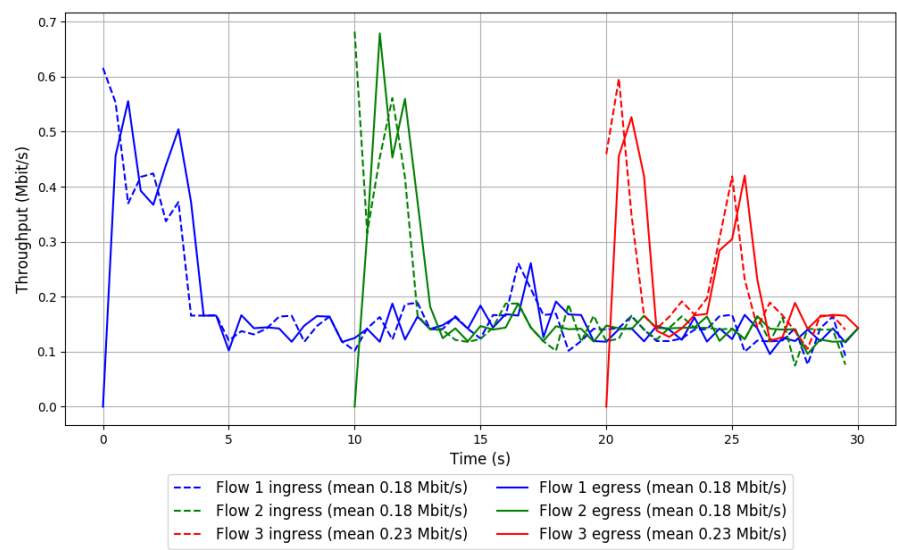


Run 5: Statistics of Sprout

Start at: 2018-07-24 13:43:43
End at: 2018-07-24 13:44:13
Local clock offset: -0.061 ms
Remote clock offset: 0.034 ms

```
# Below is generated by plot.py at 2018-07-24 18:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 111.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.561 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.524 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.595 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

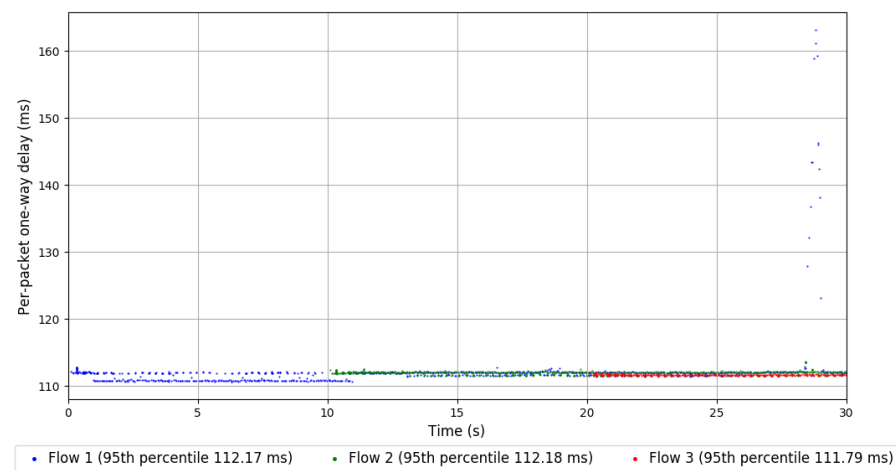
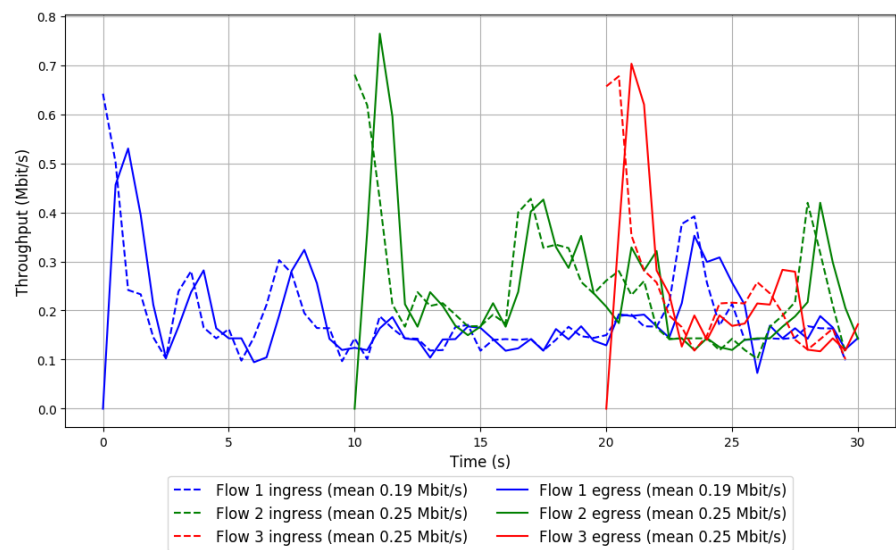


Run 6: Statistics of Sprout

Start at: 2018-07-24 14:09:43
End at: 2018-07-24 14:10:13
Local clock offset: -0.171 ms
Remote clock offset: 0.343 ms

```
# Below is generated by plot.py at 2018-07-24 18:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.173 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 112.182 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.786 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

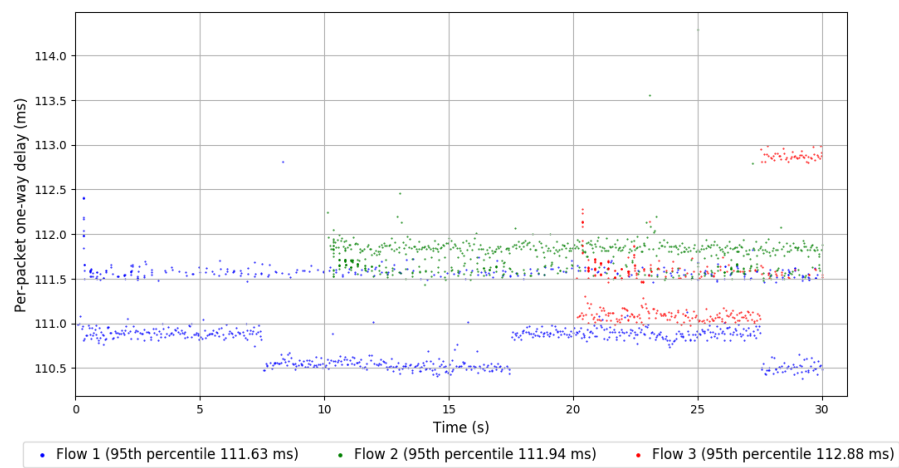
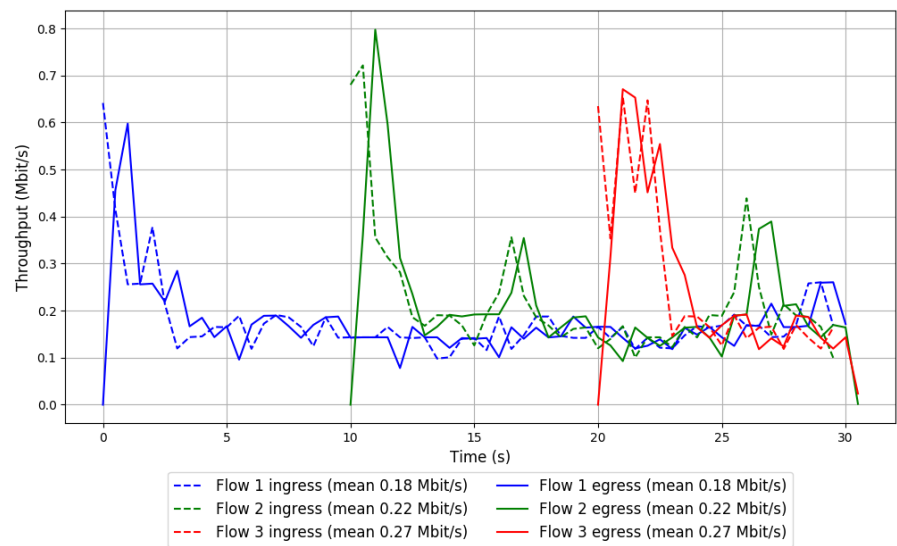


Run 7: Statistics of Sprout

Start at: 2018-07-24 14:35:59
End at: 2018-07-24 14:36:29
Local clock offset: -0.112 ms
Remote clock offset: 0.403 ms

```
# Below is generated by plot.py at 2018-07-24 18:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 112.877 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

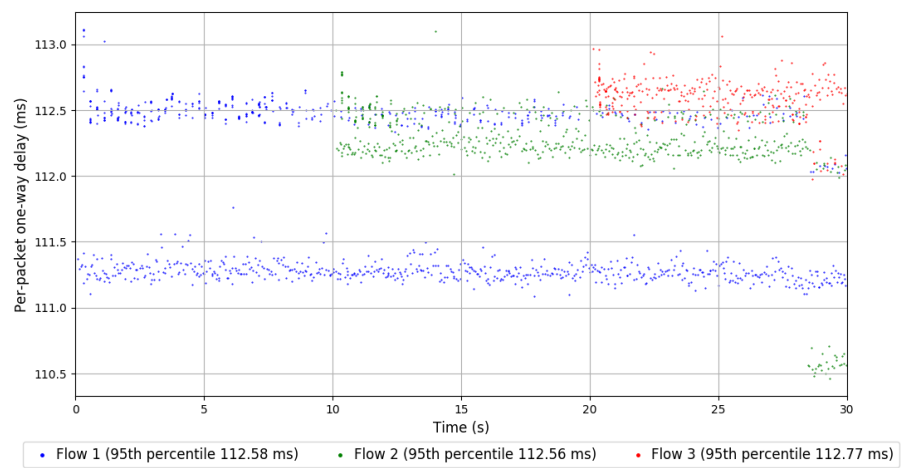
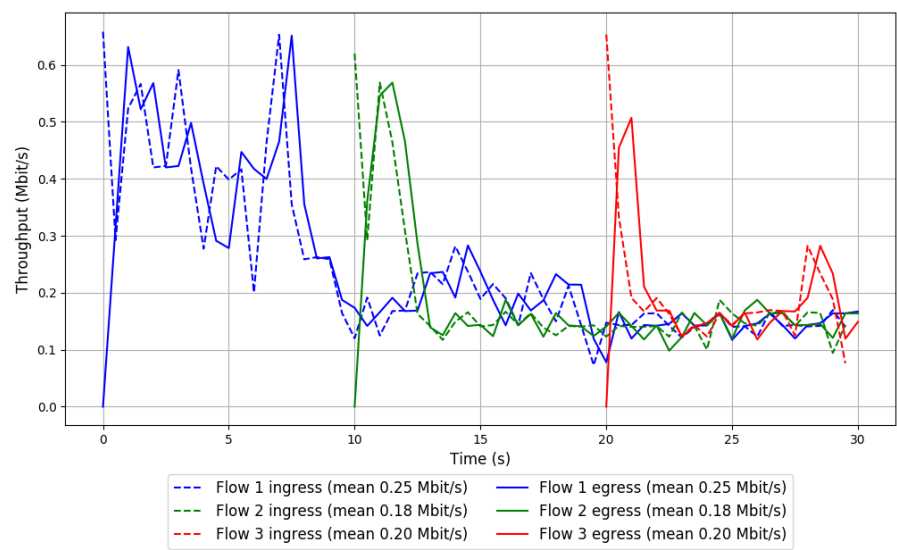


Run 8: Statistics of Sprout

Start at: 2018-07-24 15:01:58
End at: 2018-07-24 15:02:28
Local clock offset: -1.368 ms
Remote clock offset: -0.34 ms

```
# Below is generated by plot.py at 2018-07-24 18:16:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 112.579 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.558 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.771 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

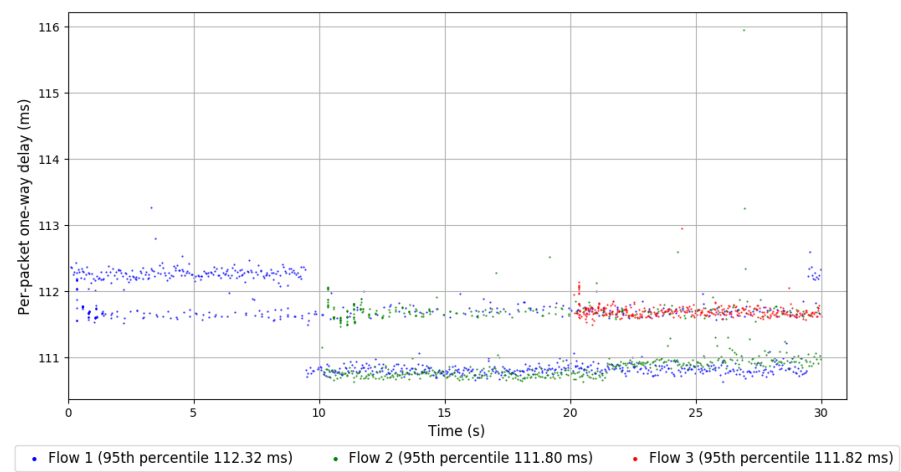
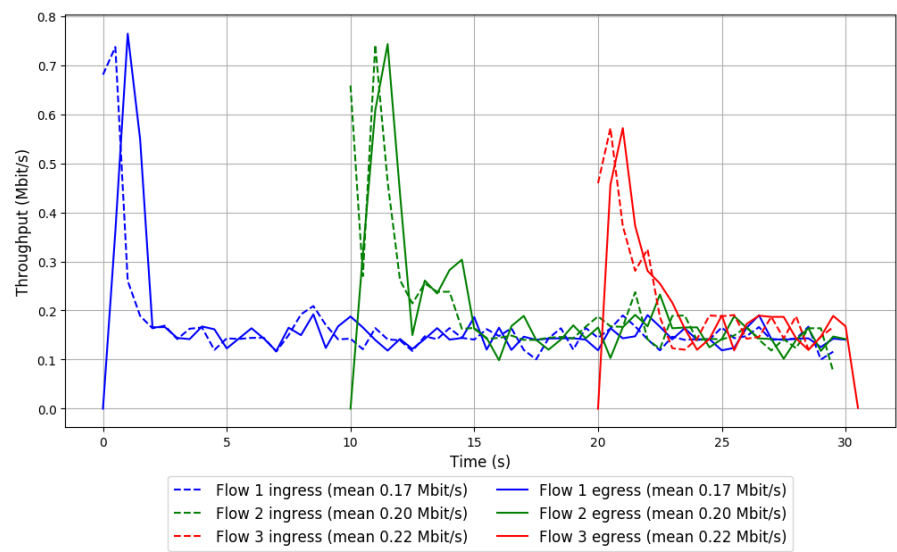


Run 9: Statistics of Sprout

Start at: 2018-07-24 15:28:05
End at: 2018-07-24 15:28:35
Local clock offset: -0.202 ms
Remote clock offset: 0.376 ms

```
# Below is generated by plot.py at 2018-07-24 18:16:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 112.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 112.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.798 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.819 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-24 15:54:17

End at: 2018-07-24 15:54:47

Local clock offset: 1.124 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-07-24 18:16:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 110.793 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 110.880 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 110.286 ms

Loss rate: 0.00%

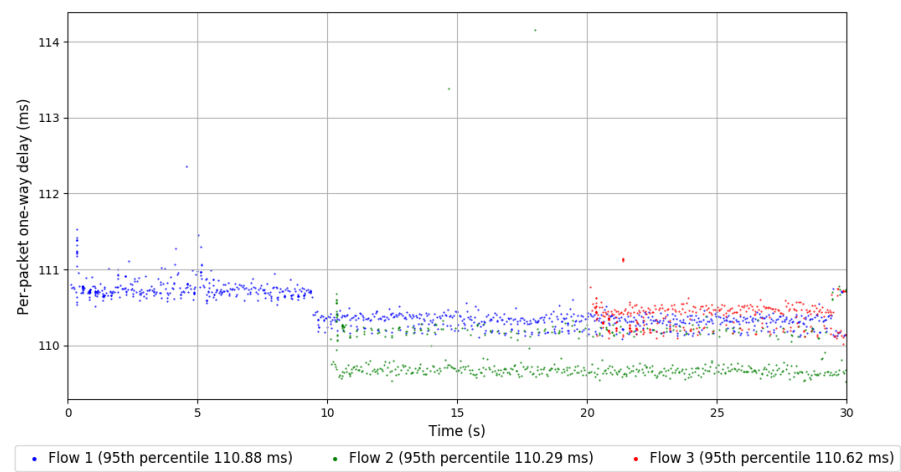
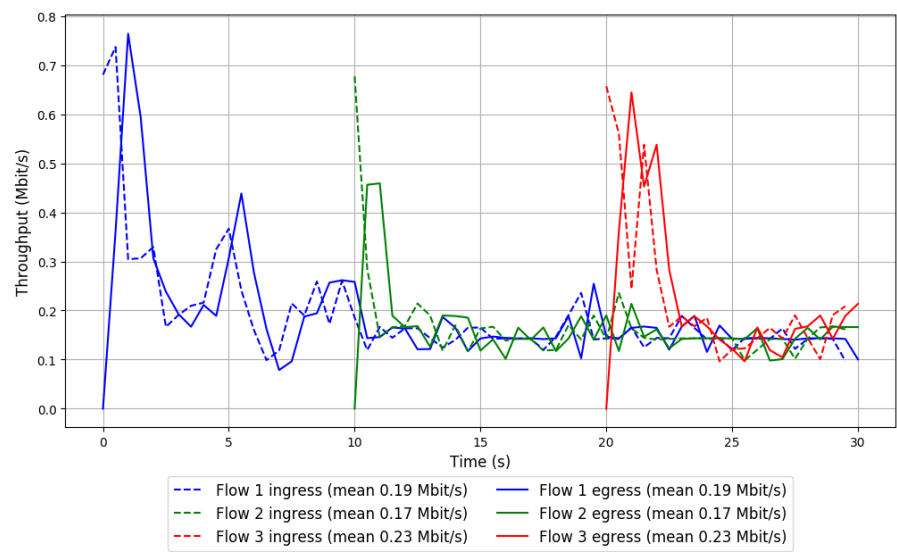
-- Flow 3:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 110.623 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

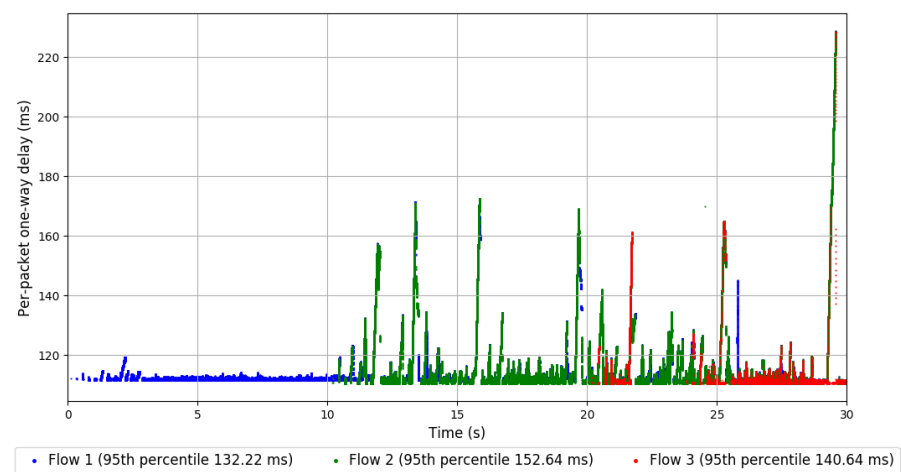
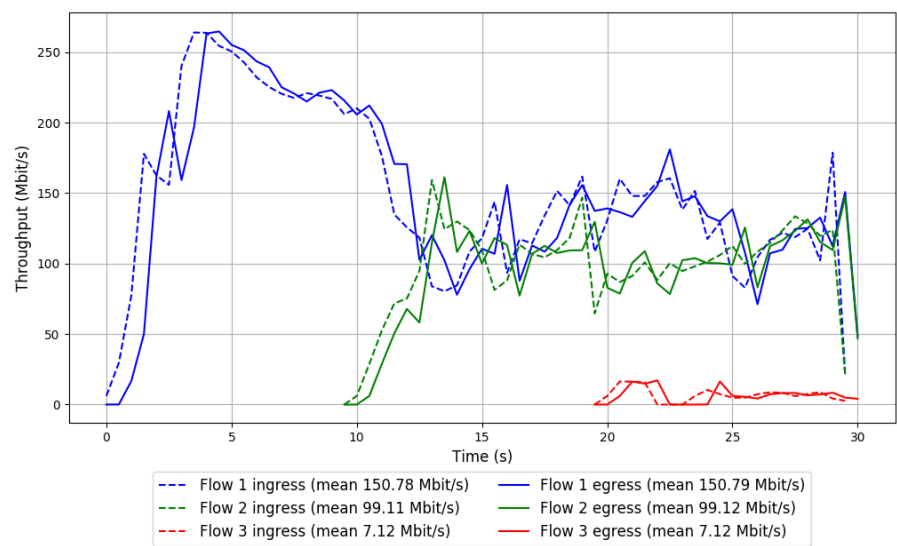


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 11:53:41
End at: 2018-07-24 11:54:11
Local clock offset: -0.047 ms
Remote clock offset: 0.408 ms

# Below is generated by plot.py at 2018-07-24 18:16:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 219.46 Mbit/s
95th percentile per-packet one-way delay: 140.760 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.79 Mbit/s
95th percentile per-packet one-way delay: 132.219 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.12 Mbit/s
95th percentile per-packet one-way delay: 152.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 140.643 ms
Loss rate: 0.00%
```


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

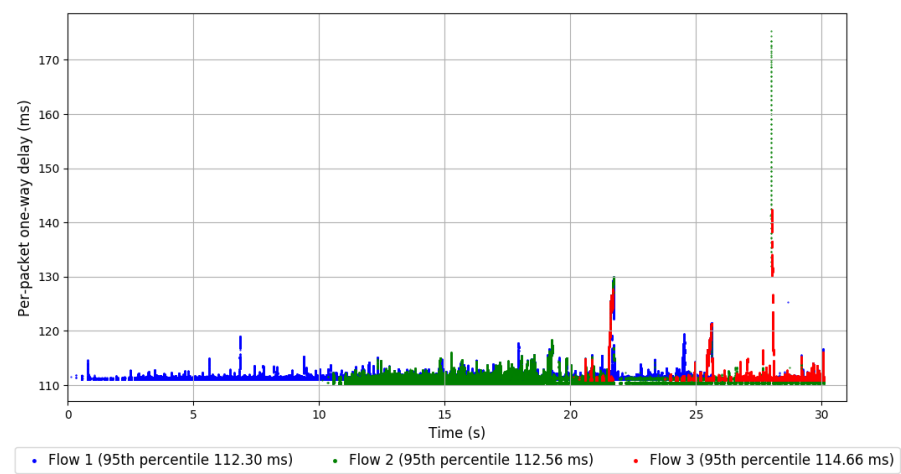
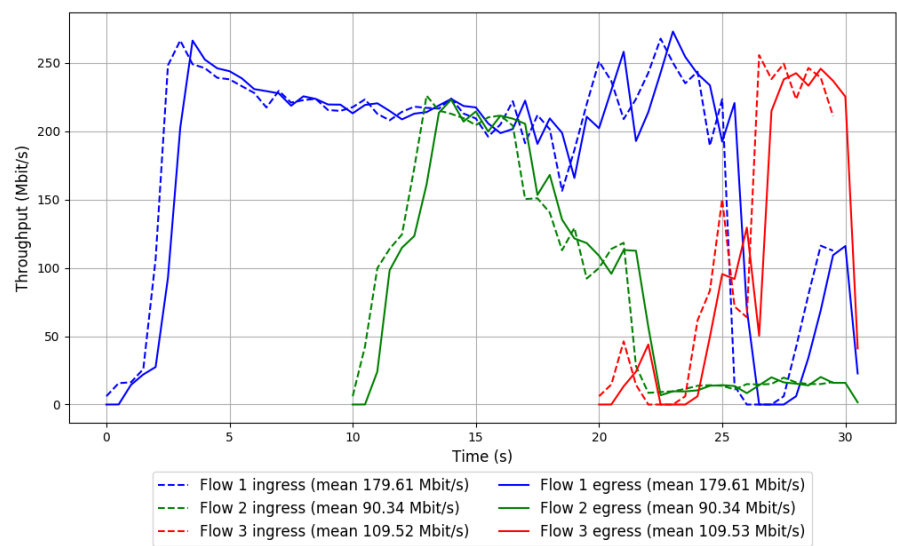


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-24 12:20:25
End at: 2018-07-24 12:20:55
Local clock offset: -0.166 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-07-24 18:17:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.17 Mbit/s
95th percentile per-packet one-way delay: 112.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.61 Mbit/s
95th percentile per-packet one-way delay: 112.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 112.556 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.53 Mbit/s
95th percentile per-packet one-way delay: 114.660 ms
Loss rate: 0.00%
```

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

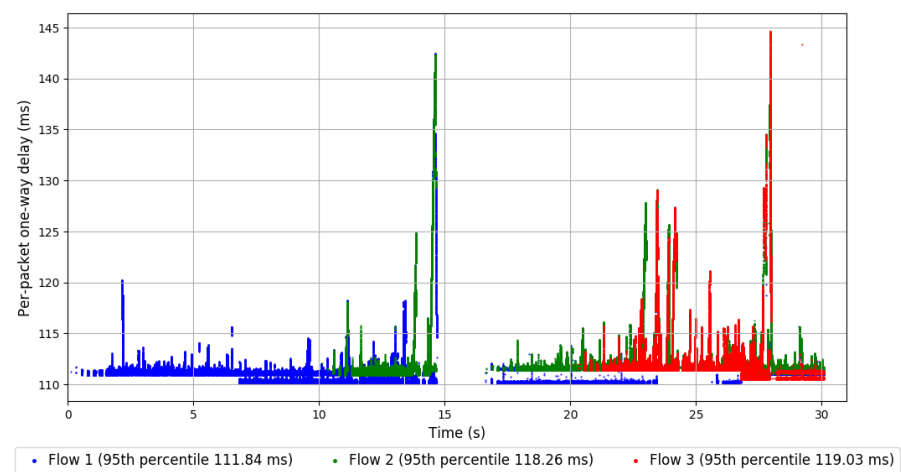
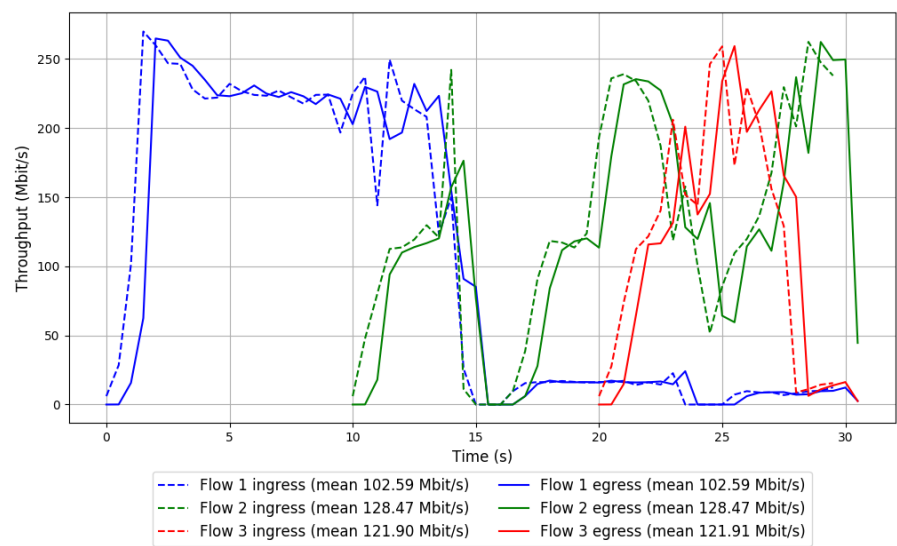


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-24 12:47:19
End at: 2018-07-24 12:47:49
Local clock offset: -0.135 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-24 18:17:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.69 Mbit/s
95th percentile per-packet one-way delay: 114.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.59 Mbit/s
95th percentile per-packet one-way delay: 111.841 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.47 Mbit/s
95th percentile per-packet one-way delay: 118.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.91 Mbit/s
95th percentile per-packet one-way delay: 119.026 ms
Loss rate: 0.00%

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

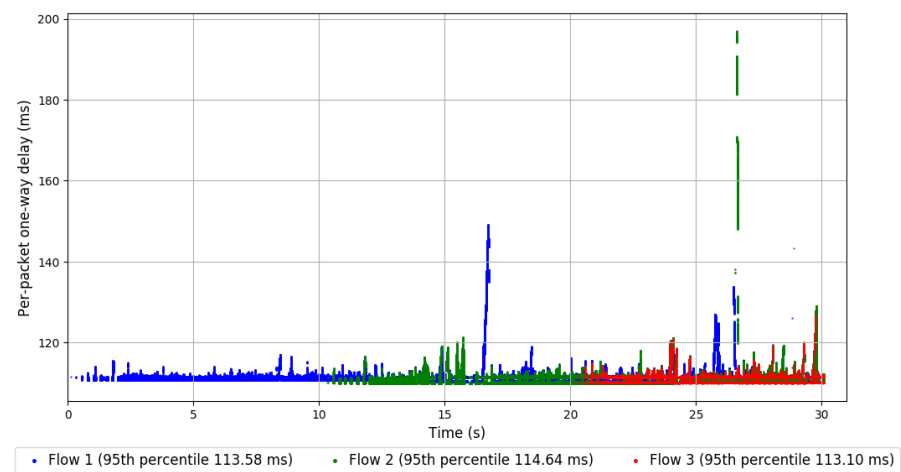
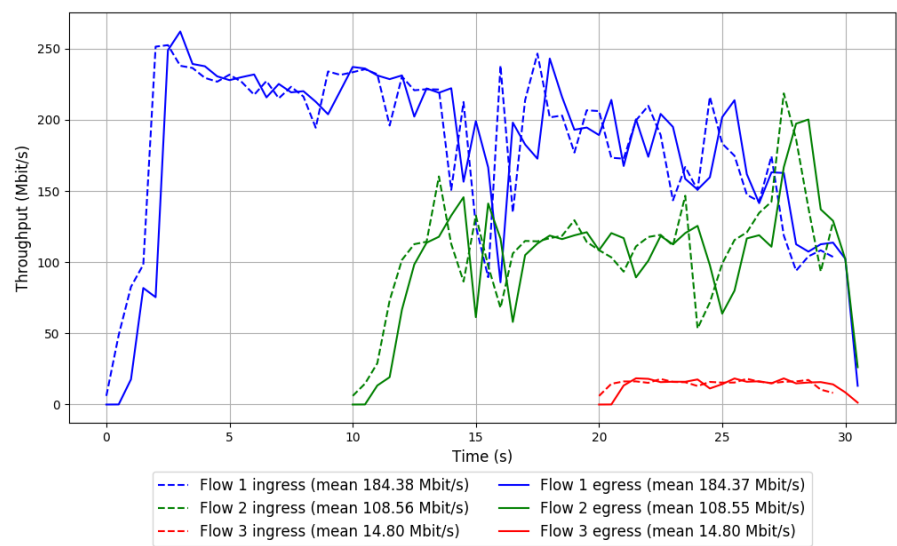


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-24 13:13:22
End at: 2018-07-24 13:13:52
Local clock offset: -0.339 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-07-24 18:17:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 261.61 Mbit/s
95th percentile per-packet one-way delay: 113.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.37 Mbit/s
95th percentile per-packet one-way delay: 113.580 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.55 Mbit/s
95th percentile per-packet one-way delay: 114.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 113.103 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-24 13:39:19

End at: 2018-07-24 13:39:49

Local clock offset: 0.151 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-07-24 18:17:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.53 Mbit/s

95th percentile per-packet one-way delay: 113.689 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 185.98 Mbit/s

95th percentile per-packet one-way delay: 112.330 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 118.100 ms

Loss rate: 0.00%

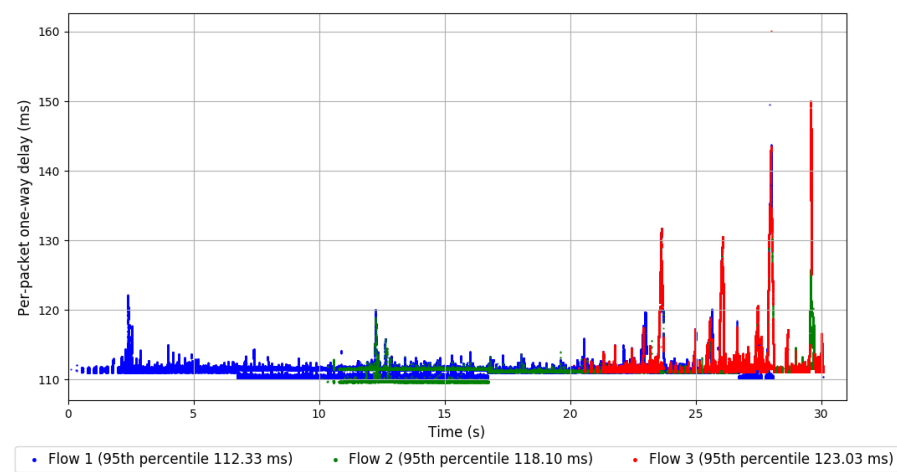
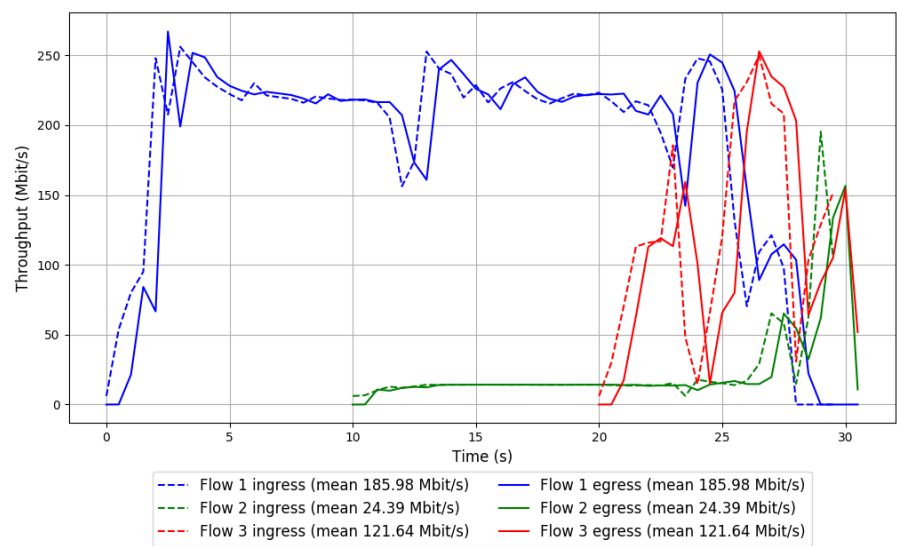
-- Flow 3:

Average throughput: 121.64 Mbit/s

95th percentile per-packet one-way delay: 123.035 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-24 14:05:26

End at: 2018-07-24 14:05:56

Local clock offset: 0.051 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-24 18:17:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 158.14 Mbit/s

95th percentile per-packet one-way delay: 111.647 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.48 Mbit/s

95th percentile per-packet one-way delay: 111.646 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 168.32 Mbit/s

95th percentile per-packet one-way delay: 111.649 ms

Loss rate: 0.00%

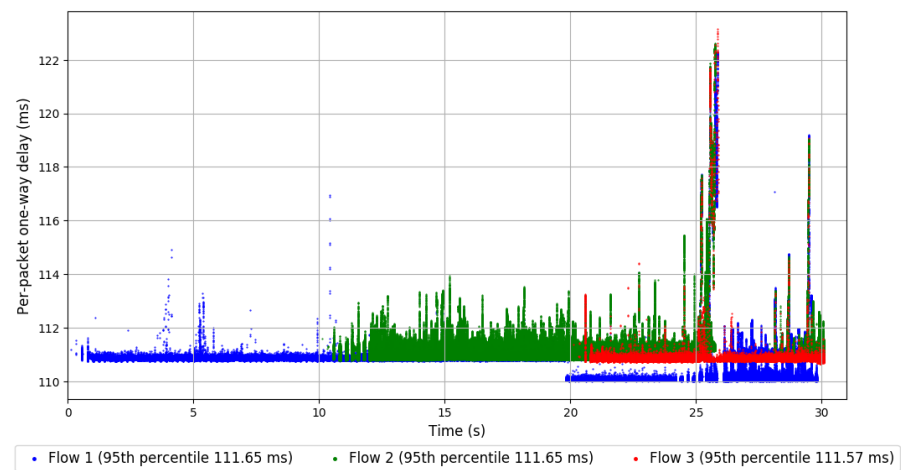
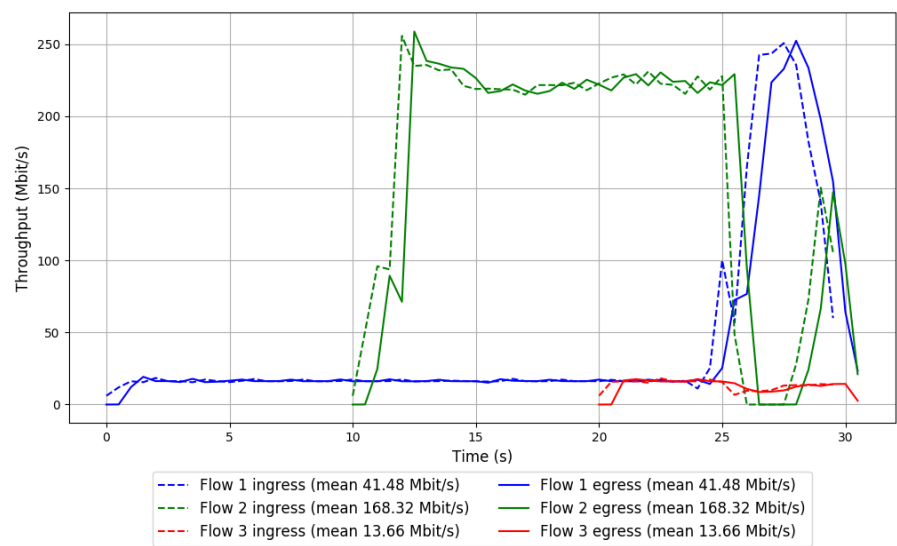
-- Flow 3:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 111.569 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-24 14:31:31

End at: 2018-07-24 14:32:01

Local clock offset: 0.059 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-24 18:18:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 261.65 Mbit/s

95th percentile per-packet one-way delay: 114.721 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 182.74 Mbit/s

95th percentile per-packet one-way delay: 114.417 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 123.63 Mbit/s

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

Loss rate: 0.00%

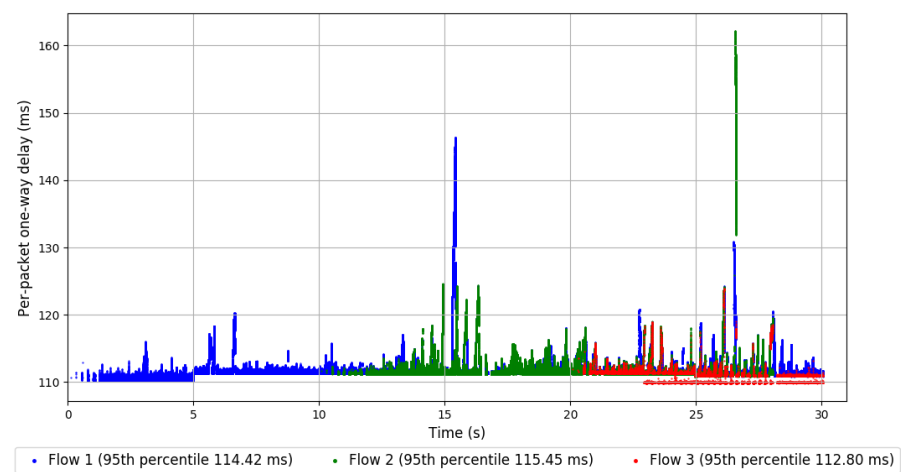
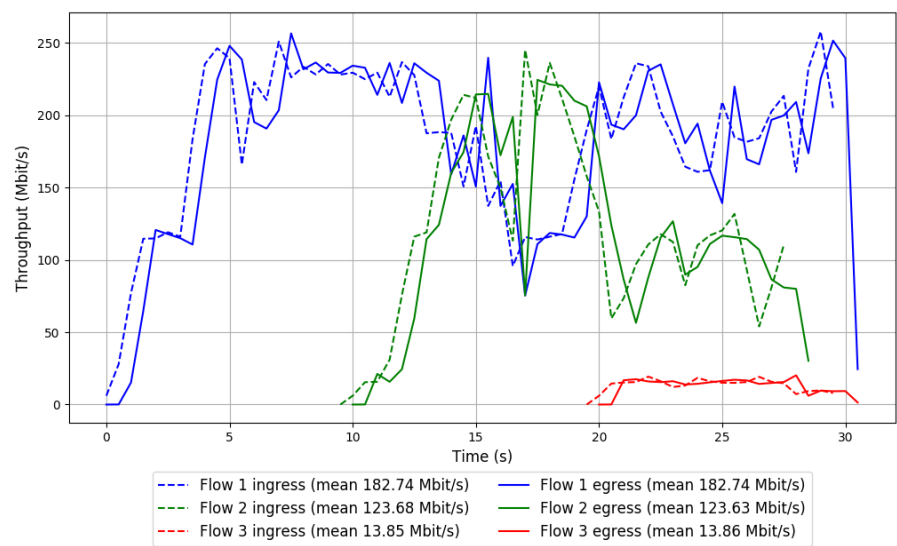
-- Flow 3:

Average throughput: 13.86 Mbit/s

95th percentile per-packet one-way delay: 112.800 ms

Loss rate: 0.00%

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

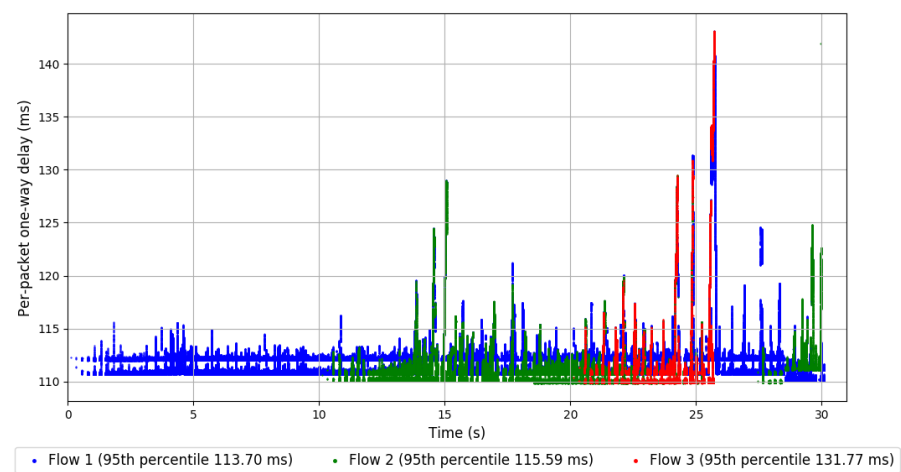
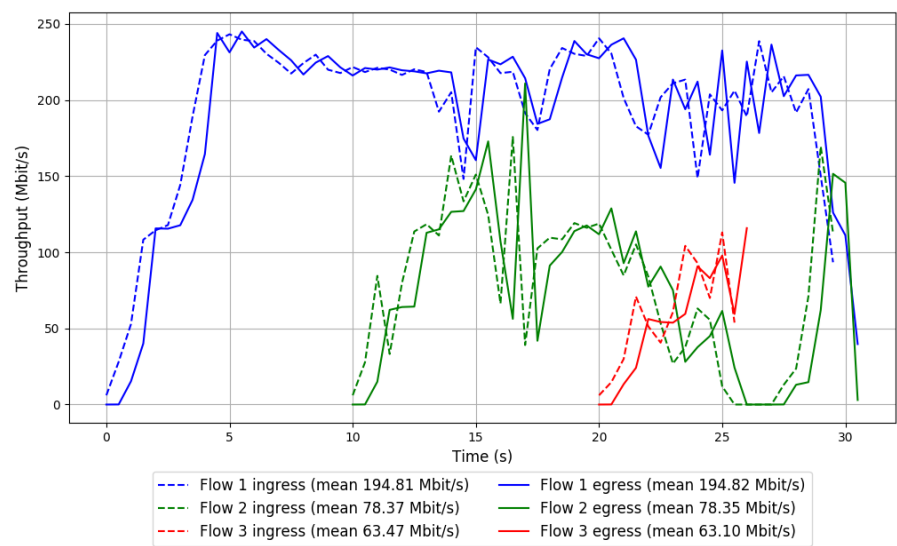


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-24 14:57:38
End at: 2018-07-24 14:58:08
Local clock offset: 0.151 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-24 18:23:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.61 Mbit/s
95th percentile per-packet one-way delay: 114.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.82 Mbit/s
95th percentile per-packet one-way delay: 113.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 115.594 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 131.772 ms
Loss rate: 0.00%

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

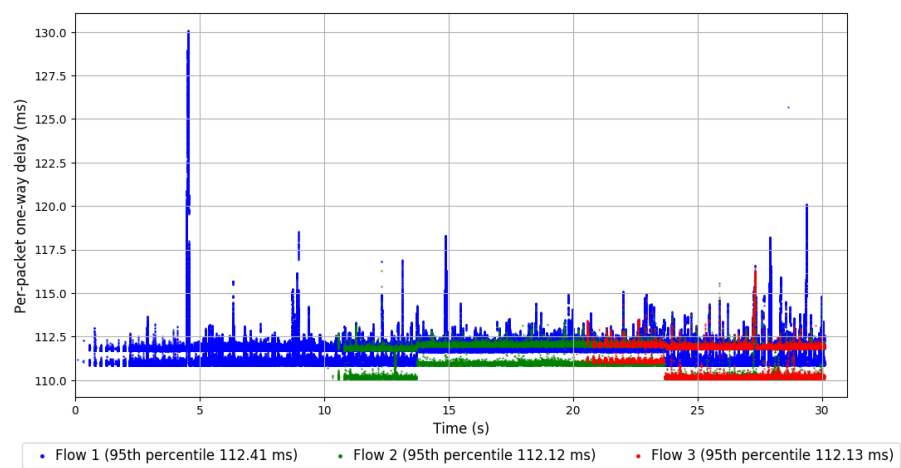
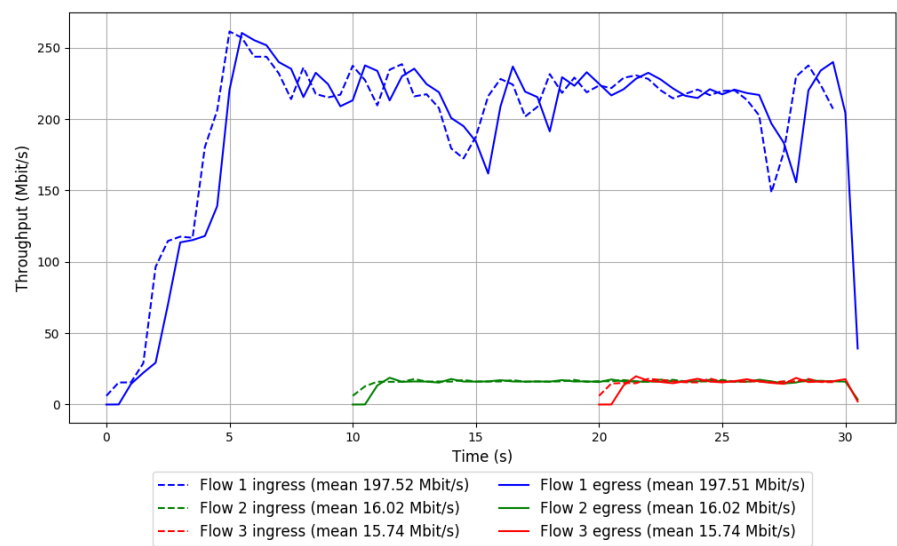


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-24 15:23:43
End at: 2018-07-24 15:24:13
Local clock offset: -1.258 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-07-24 18:23:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.41 Mbit/s
95th percentile per-packet one-way delay: 112.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.51 Mbit/s
95th percentile per-packet one-way delay: 112.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 112.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 112.133 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-24 15:49:49

End at: 2018-07-24 15:50:19

Local clock offset: -0.183 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-07-24 18:23:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.52 Mbit/s

95th percentile per-packet one-way delay: 116.388 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 134.56 Mbit/s

95th percentile per-packet one-way delay: 114.148 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 81.10 Mbit/s

95th percentile per-packet one-way delay: 120.583 ms

Loss rate: 0.15%

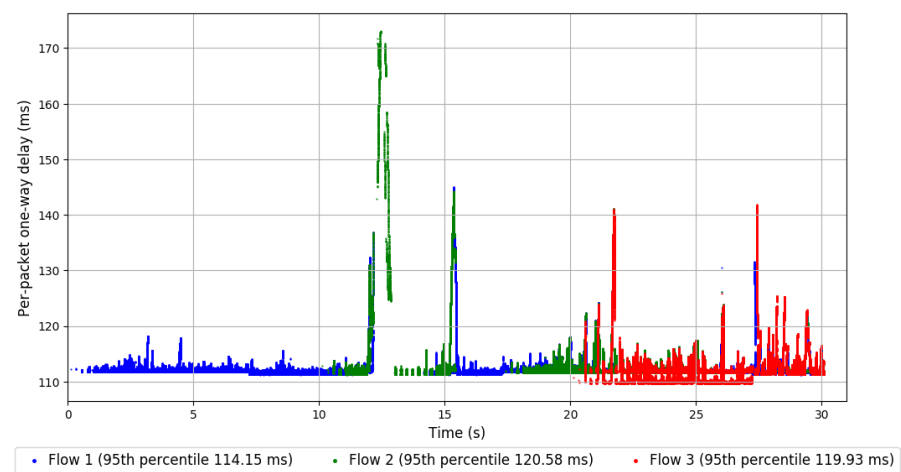
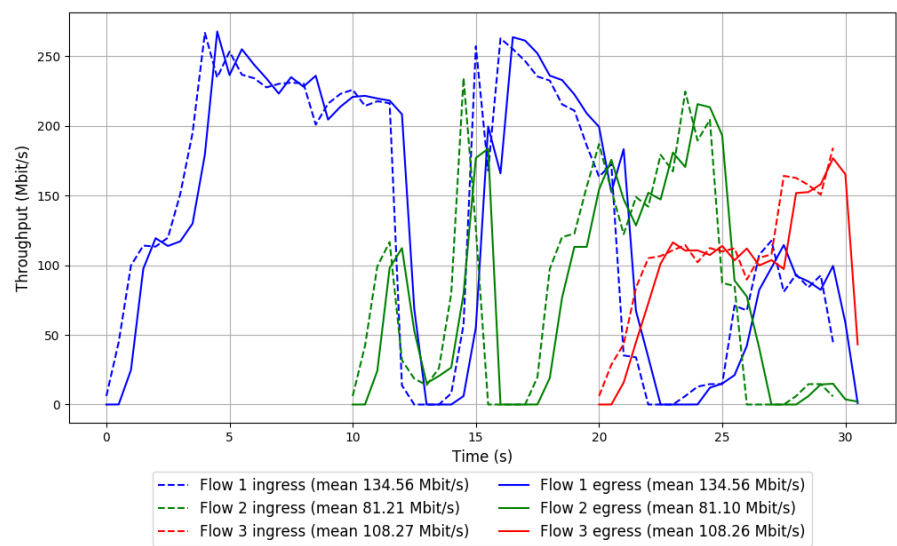
-- Flow 3:

Average throughput: 108.26 Mbit/s

95th percentile per-packet one-way delay: 119.932 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 12:05:47

End at: 2018-07-24 12:06:17

Local clock offset: 0.371 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-24 18:23:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.63 Mbit/s

95th percentile per-packet one-way delay: 118.825 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 115.143 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.12 Mbit/s

95th percentile per-packet one-way delay: 117.454 ms

Loss rate: 0.00%

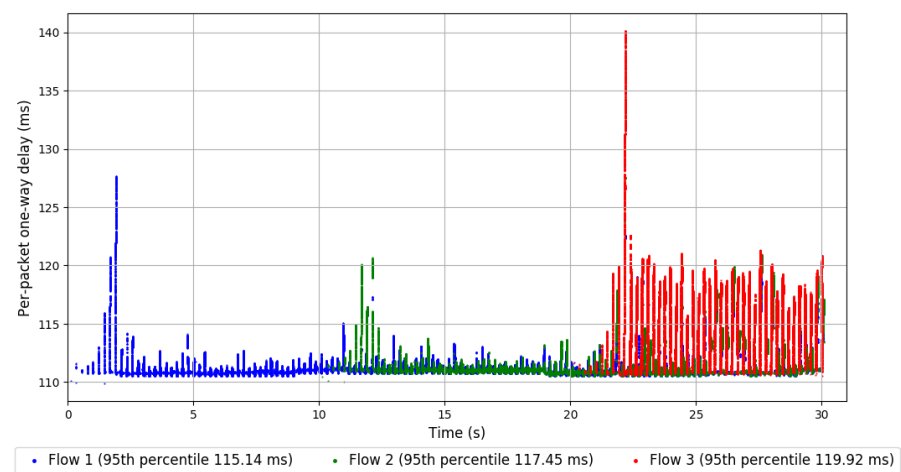
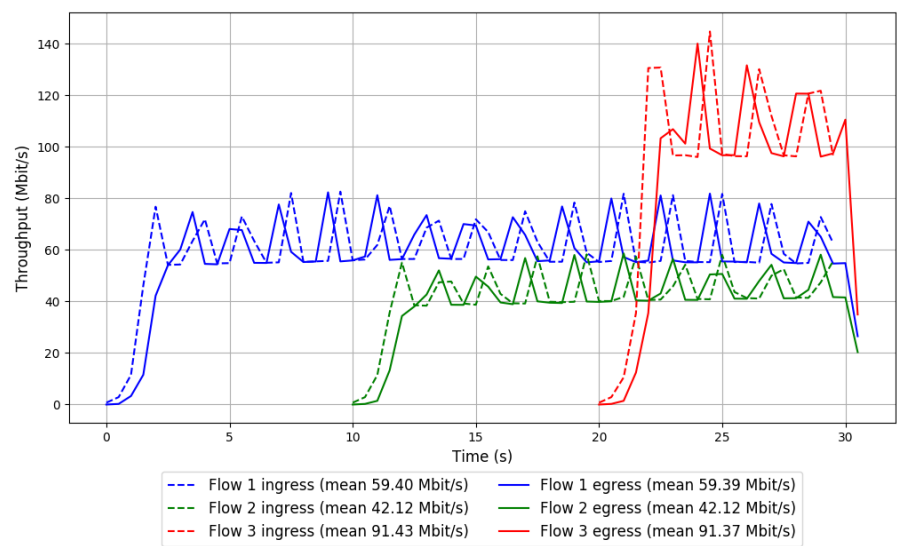
-- Flow 3:

Average throughput: 91.37 Mbit/s

95th percentile per-packet one-way delay: 119.918 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

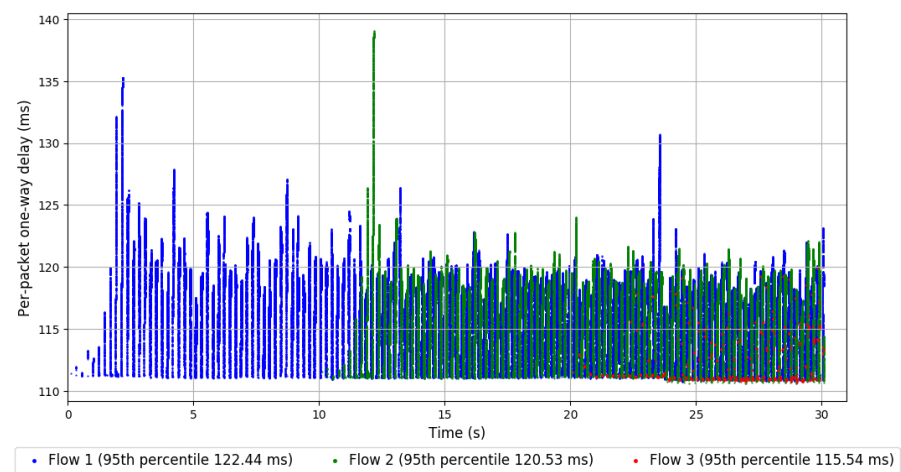
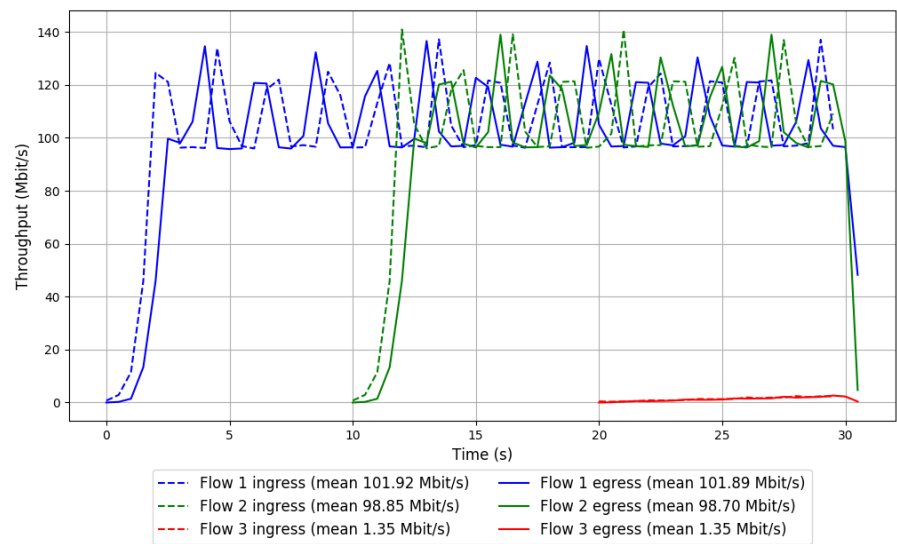


Run 2: Statistics of TCP Vegas

Start at: 2018-07-24 12:32:52
End at: 2018-07-24 12:33:22
Local clock offset: 0.132 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-24 18:23:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.04 Mbit/s
95th percentile per-packet one-way delay: 121.818 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 101.89 Mbit/s
95th percentile per-packet one-way delay: 122.437 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.70 Mbit/s
95th percentile per-packet one-way delay: 120.533 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 115.537 ms
Loss rate: 0.53%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-24 12:59:20

End at: 2018-07-24 12:59:50

Local clock offset: -0.19 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-24 18:23:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 180.30 Mbit/s

95th percentile per-packet one-way delay: 122.015 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 102.12 Mbit/s

95th percentile per-packet one-way delay: 122.798 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.00 Mbit/s

95th percentile per-packet one-way delay: 120.976 ms

Loss rate: 0.19%

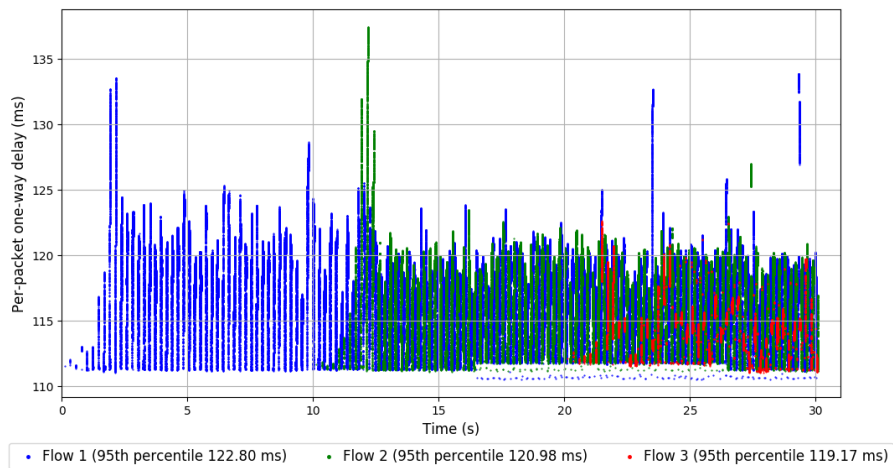
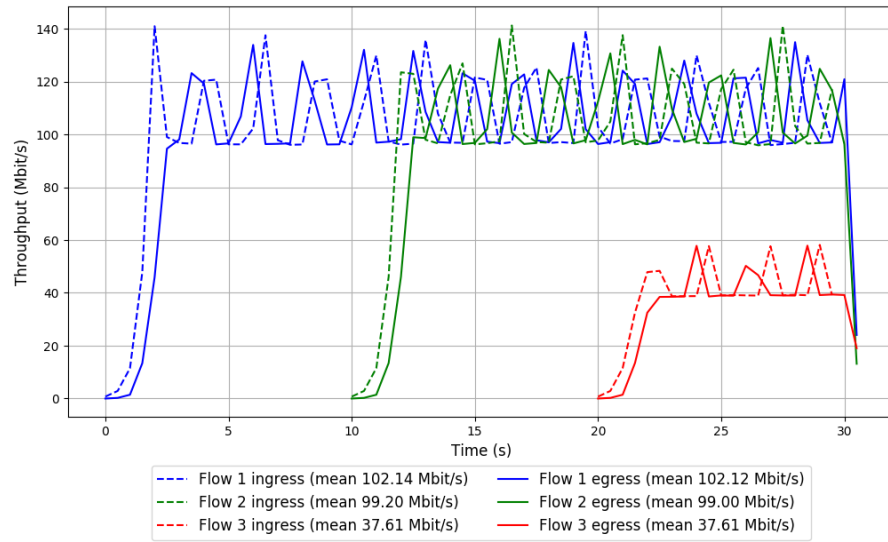
-- Flow 3:

Average throughput: 37.61 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-24 13:25:30

End at: 2018-07-24 13:26:00

Local clock offset: 0.123 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-24 18:23:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.69 Mbit/s

95th percentile per-packet one-way delay: 112.946 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.96 Mbit/s

95th percentile per-packet one-way delay: 112.780 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.23 Mbit/s

95th percentile per-packet one-way delay: 112.929 ms

Loss rate: 0.00%

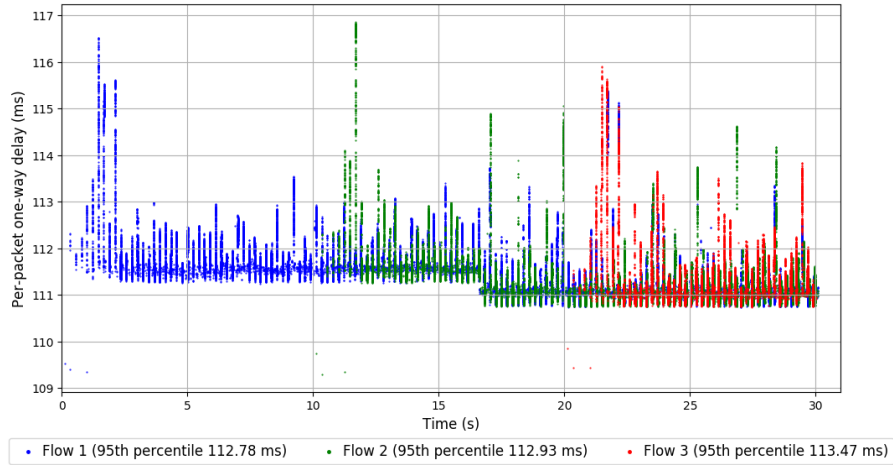
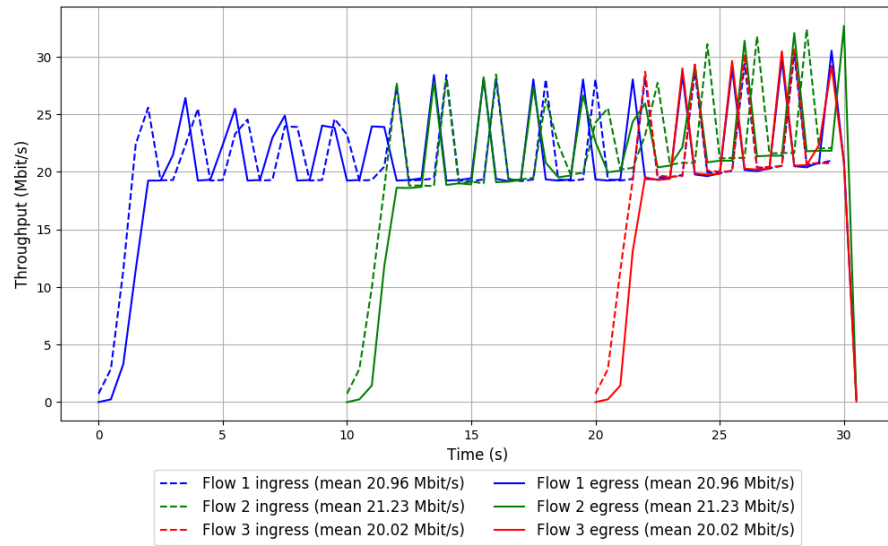
-- Flow 3:

Average throughput: 20.02 Mbit/s

95th percentile per-packet one-way delay: 113.468 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

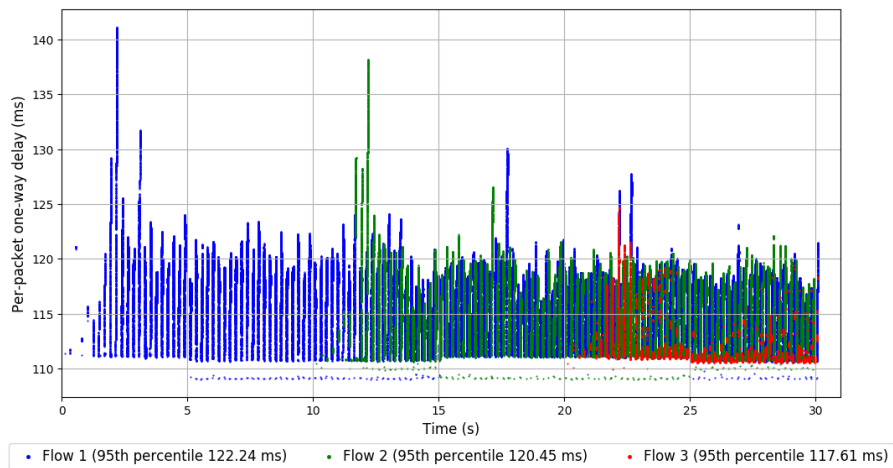
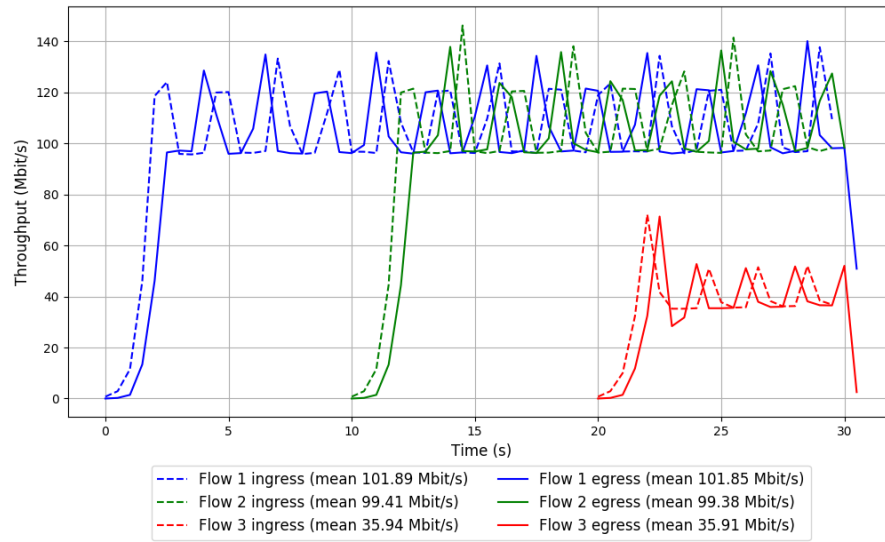


Run 5: Statistics of TCP Vegas

Start at: 2018-07-24 13:51:31
End at: 2018-07-24 13:52:01
Local clock offset: -0.015 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-07-24 18:23:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.53 Mbit/s
95th percentile per-packet one-way delay: 121.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.85 Mbit/s
95th percentile per-packet one-way delay: 122.236 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.38 Mbit/s
95th percentile per-packet one-way delay: 120.452 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 117.611 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-24 14:17:29

End at: 2018-07-24 14:17:59

Local clock offset: -0.028 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-07-24 18:23:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 197.85 Mbit/s

95th percentile per-packet one-way delay: 123.647 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.34 Mbit/s

95th percentile per-packet one-way delay: 122.225 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.85 Mbit/s

95th percentile per-packet one-way delay: 124.063 ms

Loss rate: 0.00%

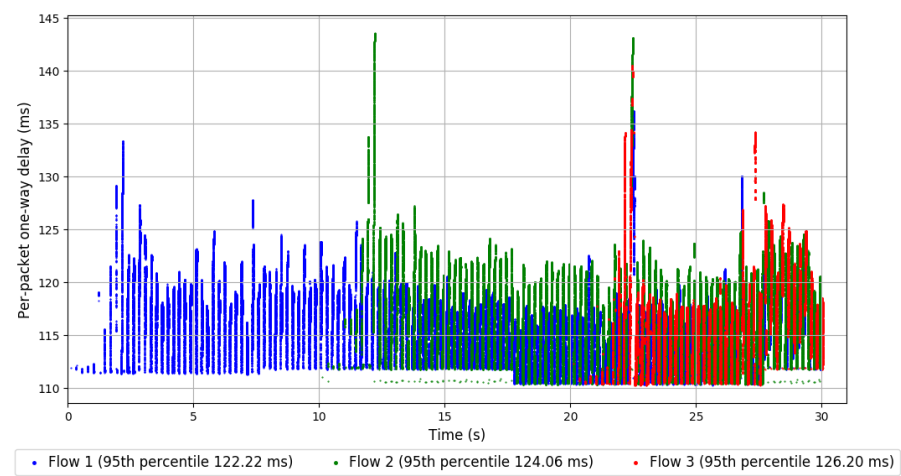
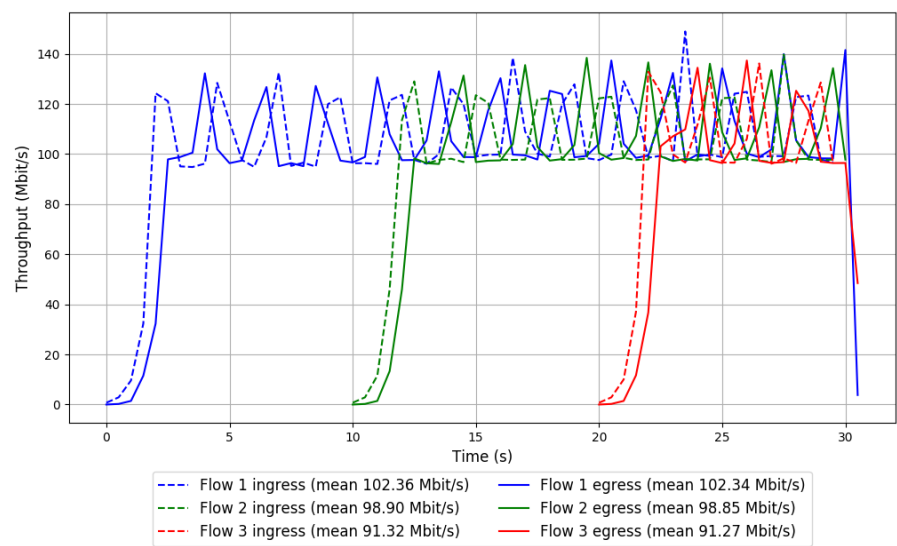
-- Flow 3:

Average throughput: 91.27 Mbit/s

95th percentile per-packet one-way delay: 126.203 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

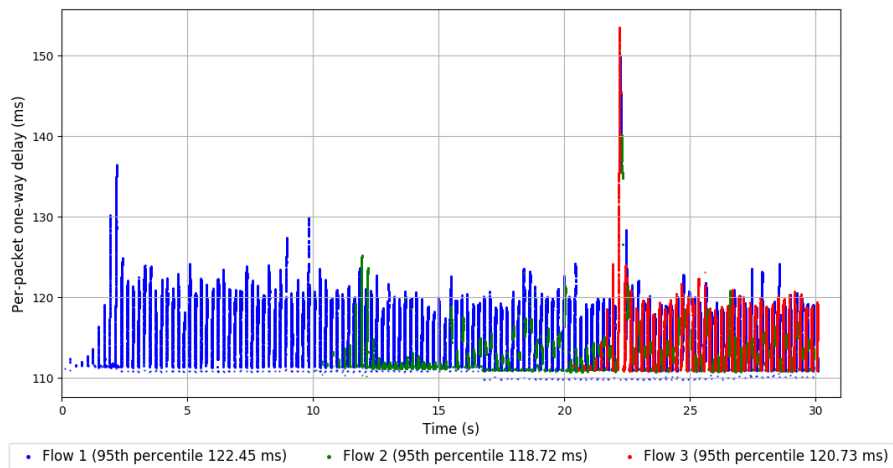
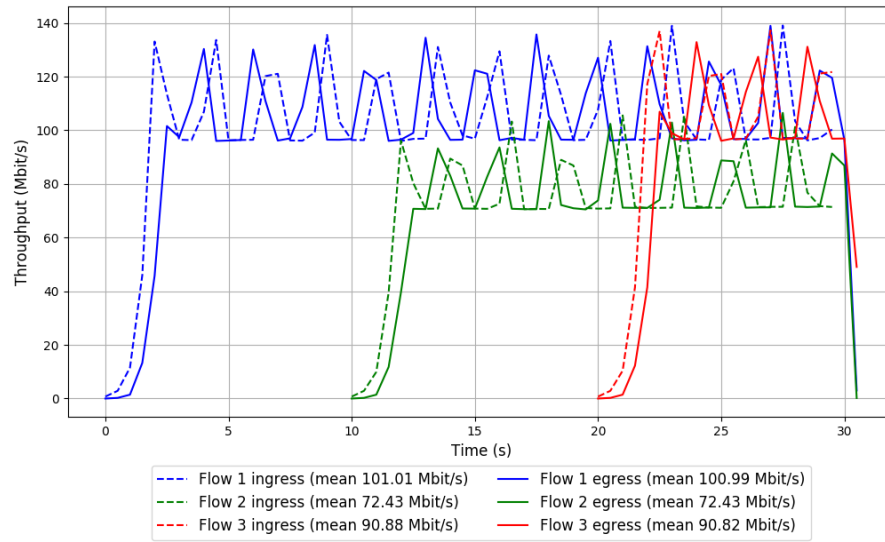


Run 7: Statistics of TCP Vegas

Start at: 2018-07-24 14:43:39
End at: 2018-07-24 14:44:09
Local clock offset: 0.094 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-24 18:23:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.35 Mbit/s
95th percentile per-packet one-way delay: 121.822 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 100.99 Mbit/s
95th percentile per-packet one-way delay: 122.448 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 118.720 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 120.732 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-24 15:09:40

End at: 2018-07-24 15:10:10

Local clock offset: -0.15 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-24 18:23:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.03 Mbit/s

95th percentile per-packet one-way delay: 121.840 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.45 Mbit/s

95th percentile per-packet one-way delay: 116.990 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.76 Mbit/s

95th percentile per-packet one-way delay: 122.014 ms

Loss rate: 0.00%

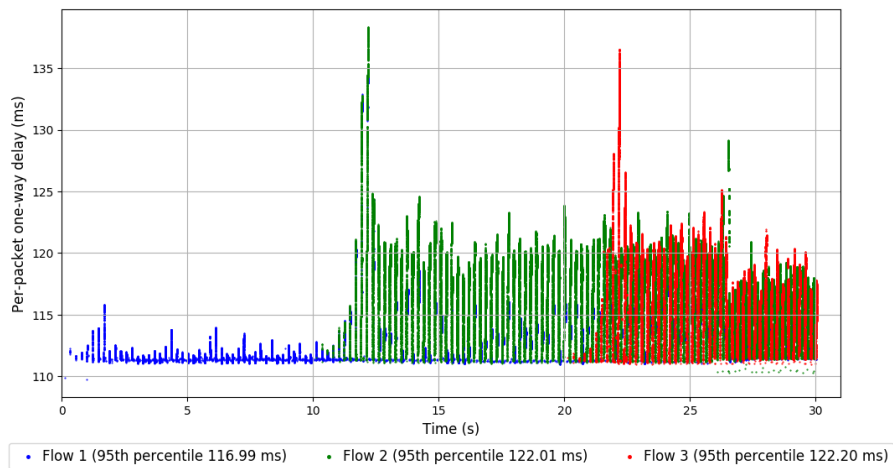
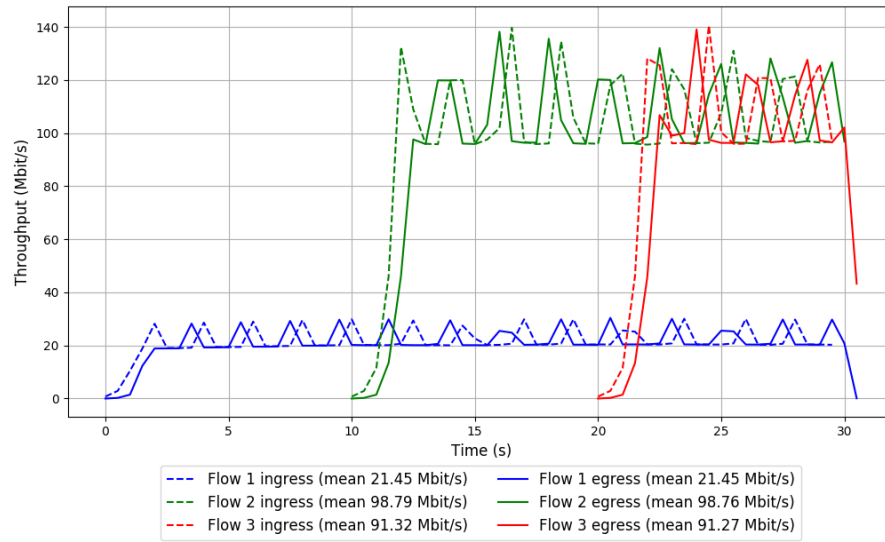
-- Flow 3:

Average throughput: 91.27 Mbit/s

95th percentile per-packet one-way delay: 122.197 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-24 15:35:46

End at: 2018-07-24 15:36:16

Local clock offset: -1.293 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-07-24 18:24:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.06 Mbit/s

95th percentile per-packet one-way delay: 122.456 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.16 Mbit/s

95th percentile per-packet one-way delay: 122.751 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.23 Mbit/s

95th percentile per-packet one-way delay: 121.439 ms

Loss rate: 0.00%

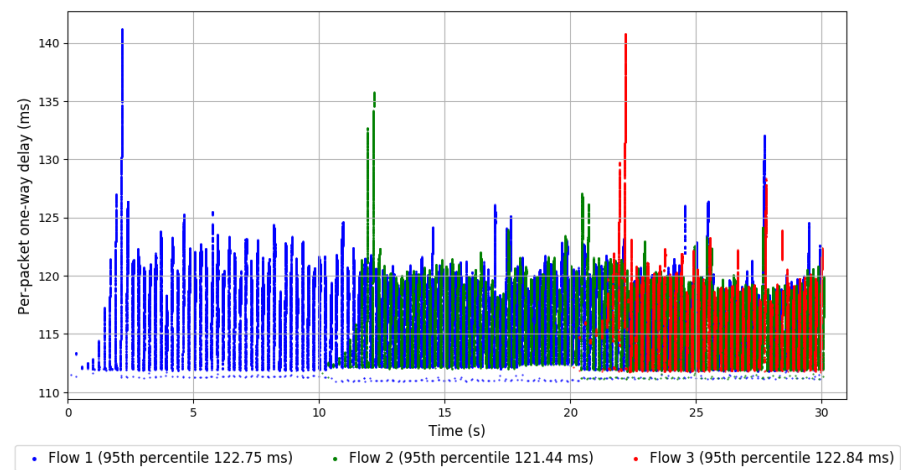
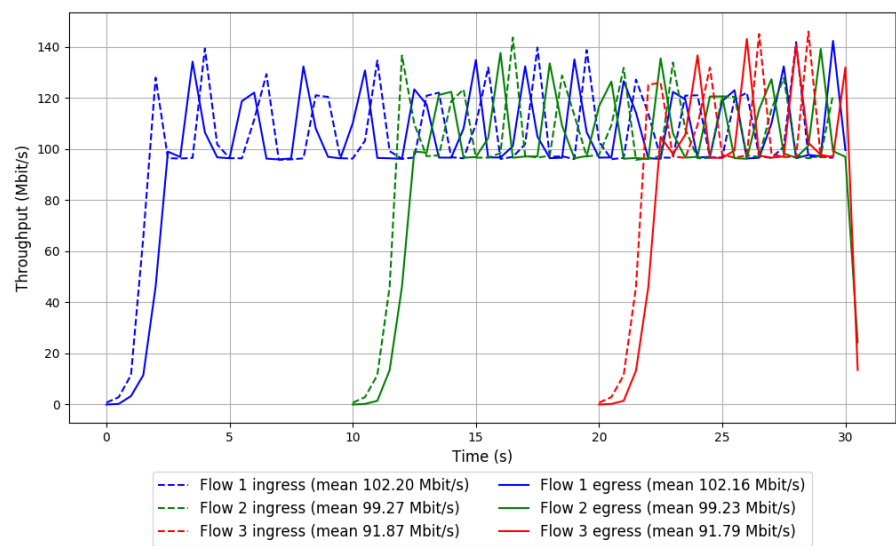
-- Flow 3:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 122.845 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

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

End at: 2018-07-24 16:02:32

Local clock offset: -0.282 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-07-24 18:24:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.62 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 101.10 Mbit/s

95th percentile per-packet one-way delay: 122.779 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 119.524 ms

Loss rate: 0.00%

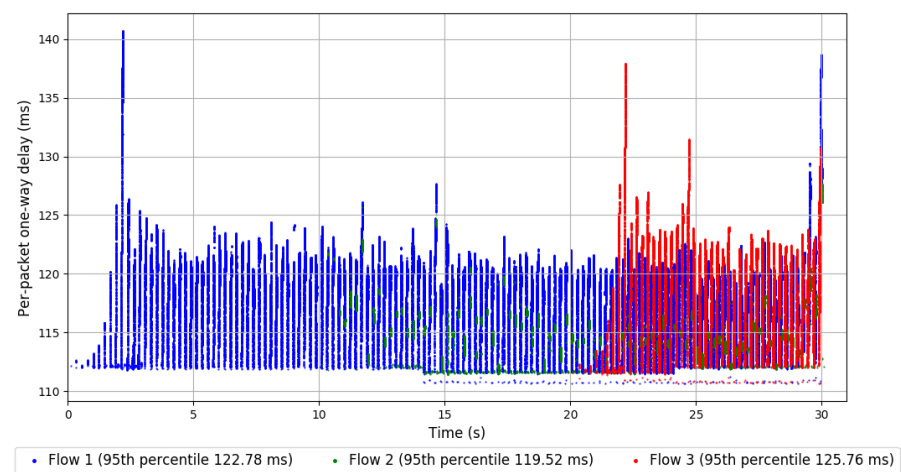
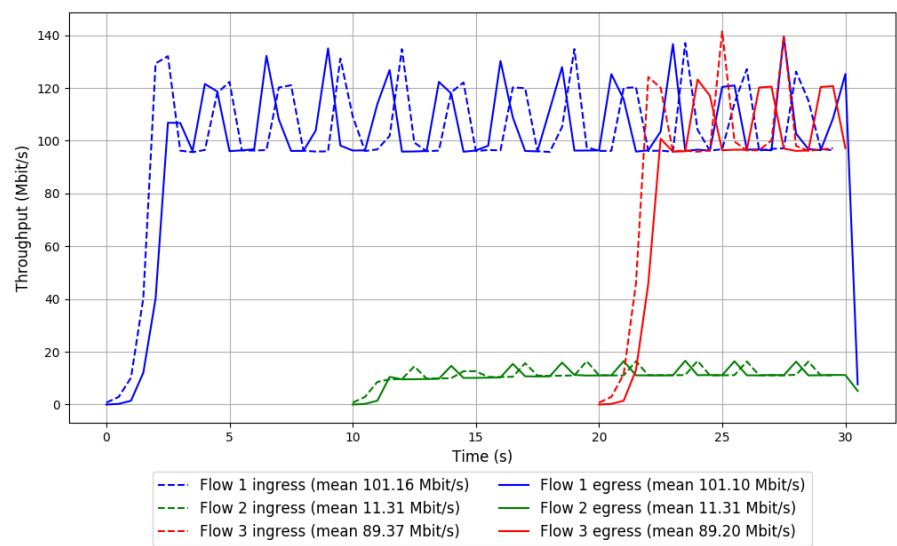
-- Flow 3:

Average throughput: 89.20 Mbit/s

95th percentile per-packet one-way delay: 125.756 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-24 11:56:31

End at: 2018-07-24 11:57:01

Local clock offset: 0.017 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-24 18:25:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.99 Mbit/s

95th percentile per-packet one-way delay: 256.375 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 161.65 Mbit/s

95th percentile per-packet one-way delay: 257.685 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 67.89 Mbit/s

95th percentile per-packet one-way delay: 253.150 ms

Loss rate: 1.58%

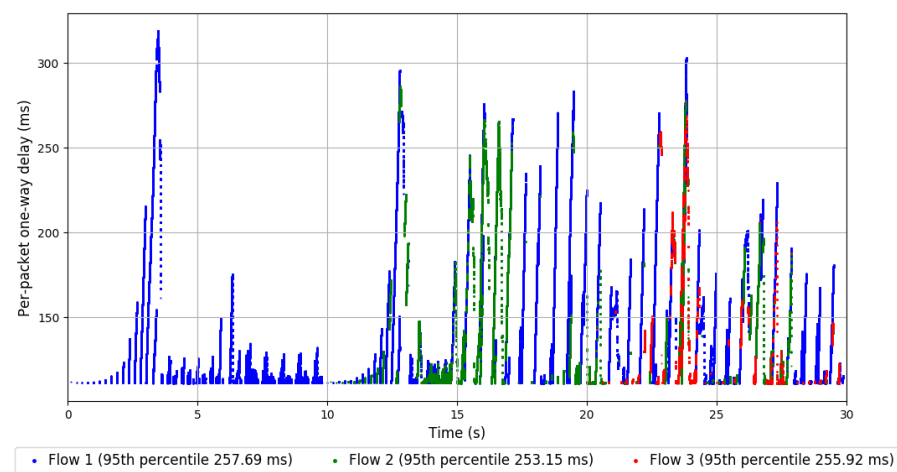
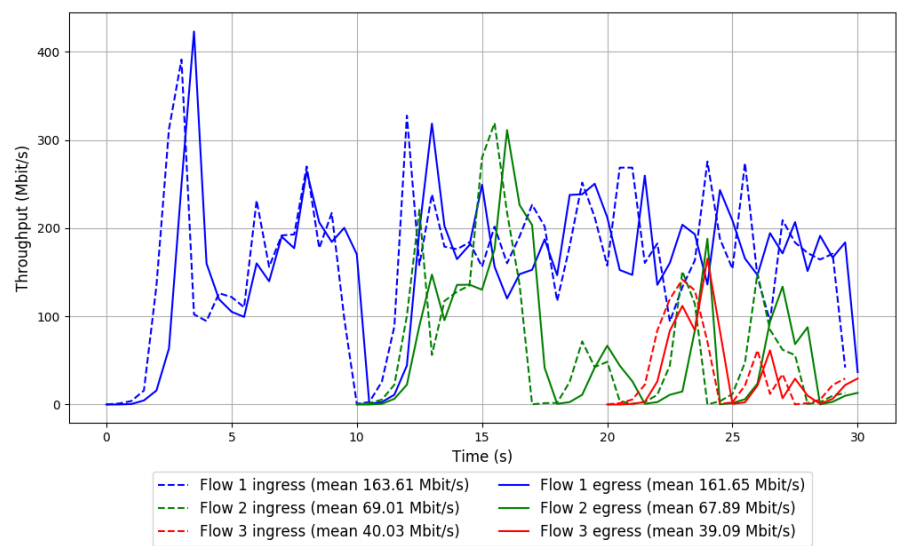
-- Flow 3:

Average throughput: 39.09 Mbit/s

95th percentile per-packet one-way delay: 255.918 ms

Loss rate: 2.25%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-24 12:23:23

End at: 2018-07-24 12:23:53

Local clock offset: -0.418 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-24 18:26:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 259.82 Mbit/s

95th percentile per-packet one-way delay: 207.969 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 196.08 Mbit/s

95th percentile per-packet one-way delay: 213.842 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 69.18 Mbit/s

95th percentile per-packet one-way delay: 178.804 ms

Loss rate: 0.00%

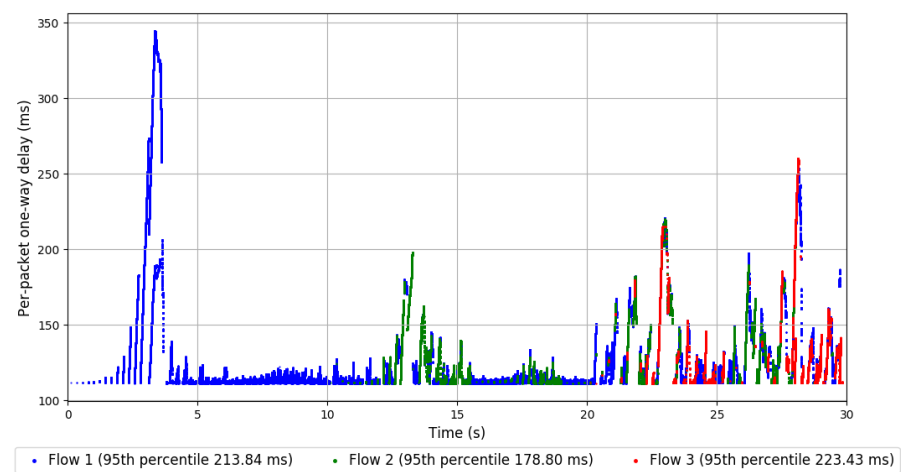
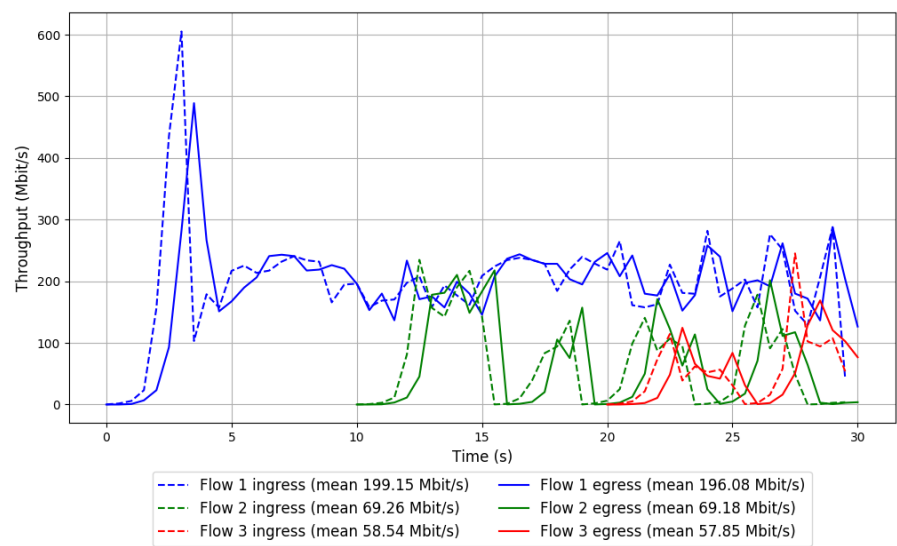
-- Flow 3:

Average throughput: 57.85 Mbit/s

95th percentile per-packet one-way delay: 223.426 ms

Loss rate: 1.16%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-24 12:50:10

End at: 2018-07-24 12:50:40

Local clock offset: 0.197 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-24 18:26:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 208.54 Mbit/s

95th percentile per-packet one-way delay: 242.807 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 145.10 Mbit/s

95th percentile per-packet one-way delay: 244.528 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 54.69 Mbit/s

95th percentile per-packet one-way delay: 230.327 ms

Loss rate: 0.38%

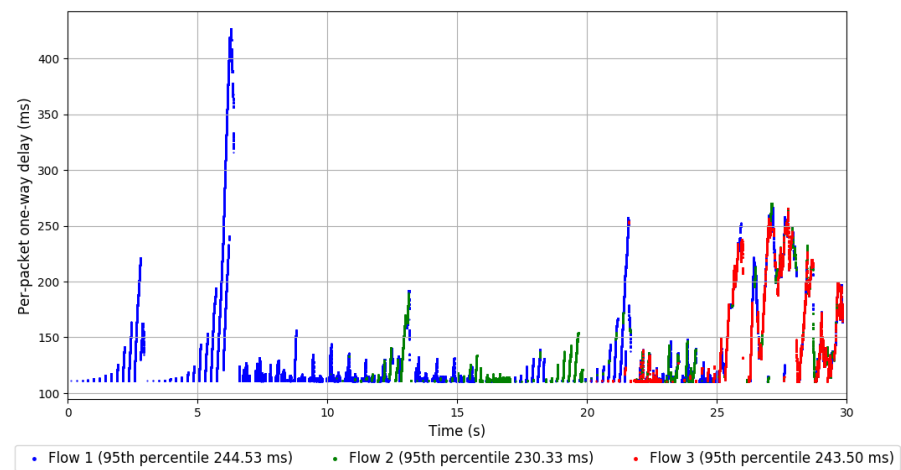
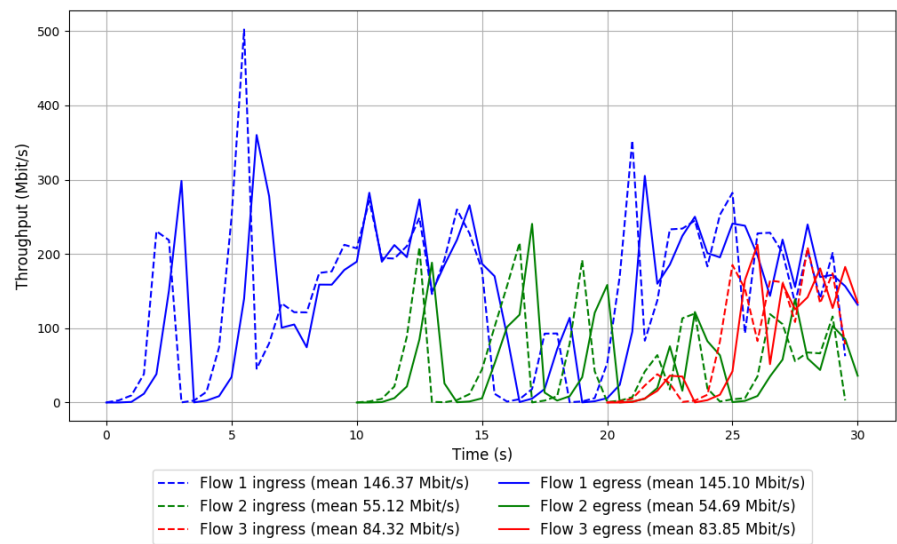
-- Flow 3:

Average throughput: 83.85 Mbit/s

95th percentile per-packet one-way delay: 243.497 ms

Loss rate: 0.57%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-24 13:16:15

End at: 2018-07-24 13:16:45

Local clock offset: -1.227 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-24 18:26:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.28 Mbit/s

95th percentile per-packet one-way delay: 238.625 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 148.37 Mbit/s

95th percentile per-packet one-way delay: 238.581 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 148.79 Mbit/s

95th percentile per-packet one-way delay: 231.808 ms

Loss rate: 0.83%

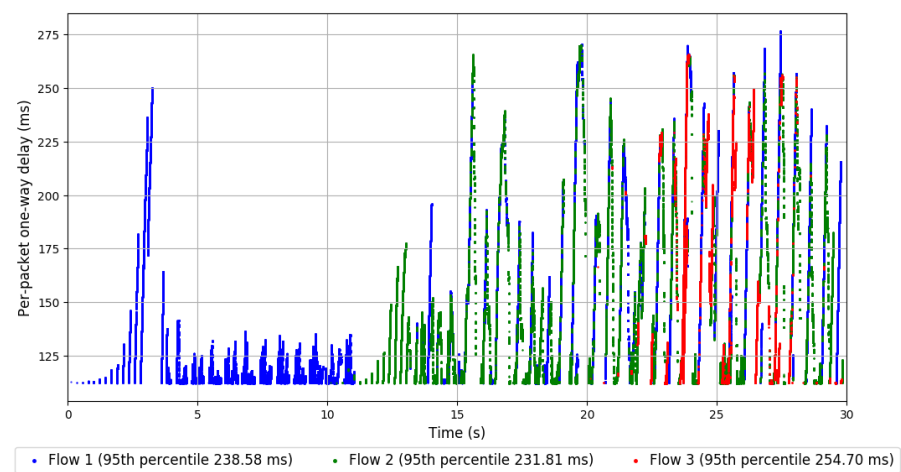
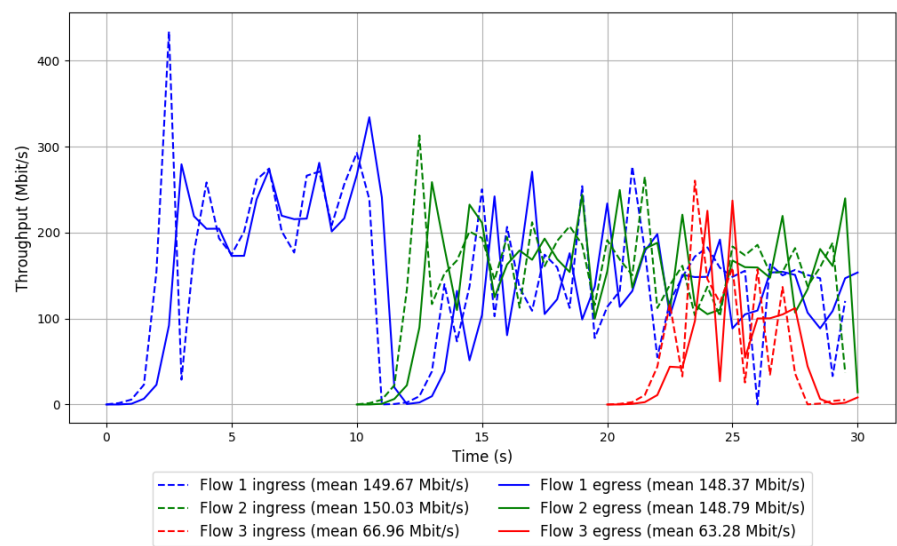
-- Flow 3:

Average throughput: 63.28 Mbit/s

95th percentile per-packet one-way delay: 254.704 ms

Loss rate: 5.51%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-24 13:42:11

End at: 2018-07-24 13:42:41

Local clock offset: -0.01 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-07-24 18:27:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 235.57 Mbit/s

95th percentile per-packet one-way delay: 239.833 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 123.33 Mbit/s

95th percentile per-packet one-way delay: 238.236 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 149.59 Mbit/s

95th percentile per-packet one-way delay: 238.877 ms

Loss rate: 0.93%

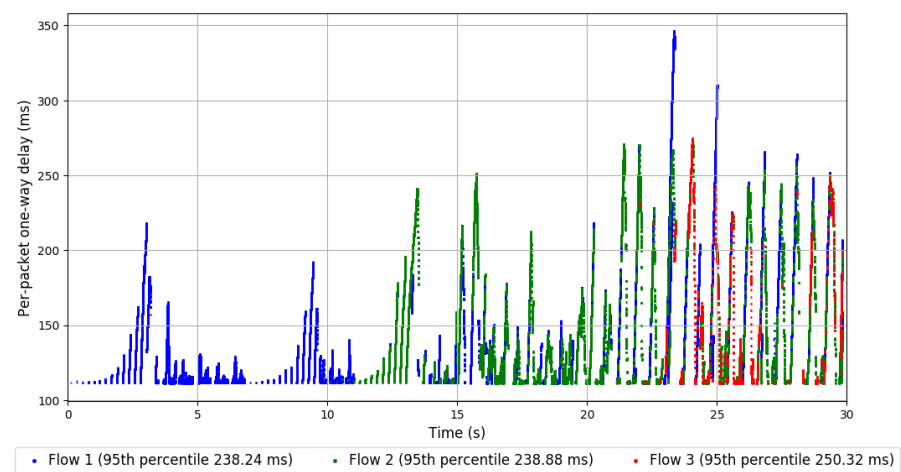
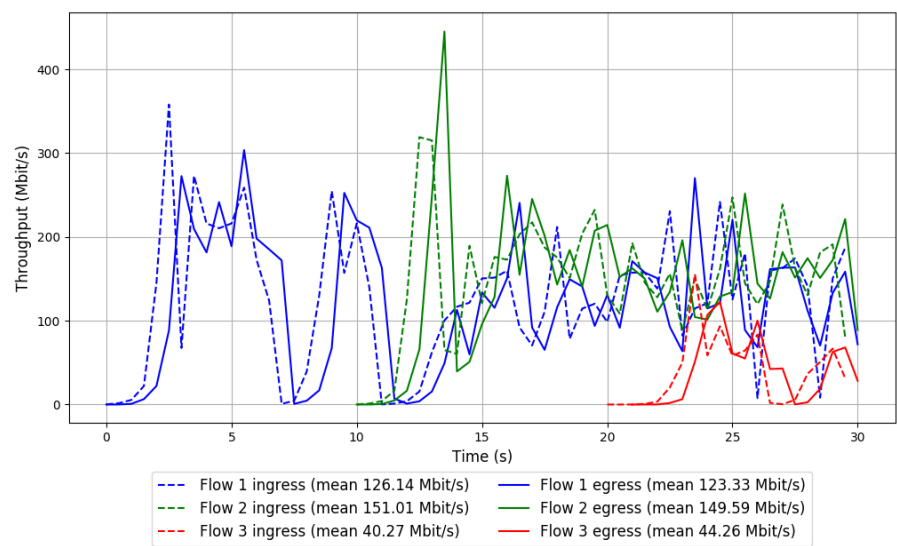
-- Flow 3:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 250.321 ms

Loss rate: 1.42%

Run 5: Report of Verus — Data Link

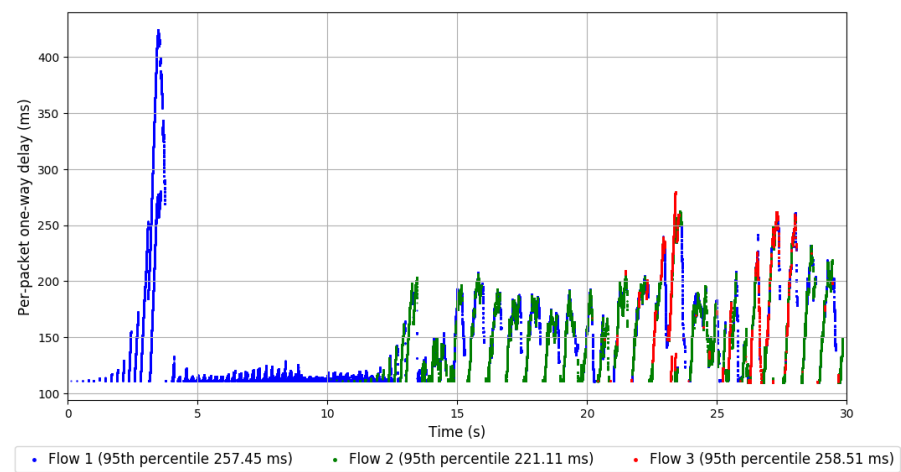
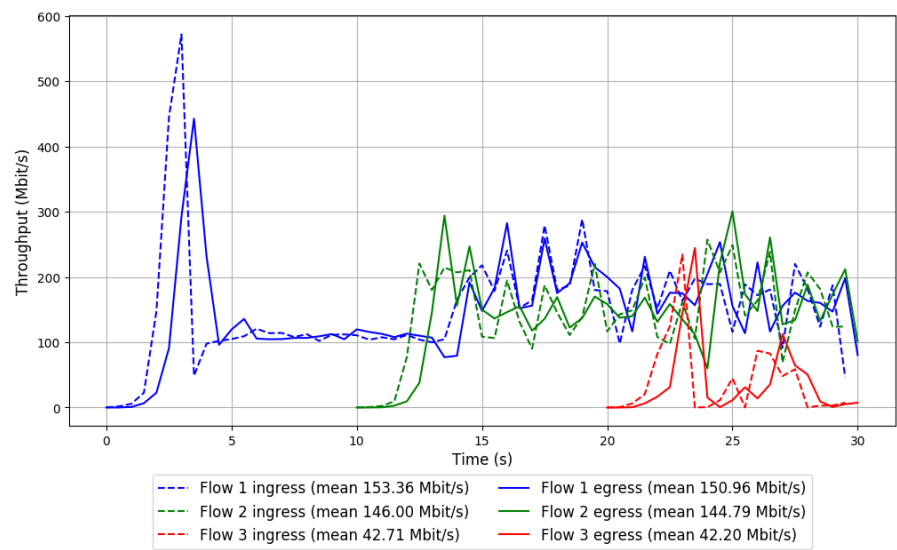


Run 6: Statistics of Verus

Start at: 2018-07-24 14:08:10
End at: 2018-07-24 14:08:40
Local clock offset: 0.003 ms
Remote clock offset: 0.0 ms

```
# Below is generated by plot.py at 2018-07-24 18:27:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 260.48 Mbit/s
95th percentile per-packet one-way delay: 246.838 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 150.96 Mbit/s
95th percentile per-packet one-way delay: 257.449 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 144.79 Mbit/s
95th percentile per-packet one-way delay: 221.112 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 258.512 ms
Loss rate: 1.72%
```

Run 6: Report of Verus — Data Link

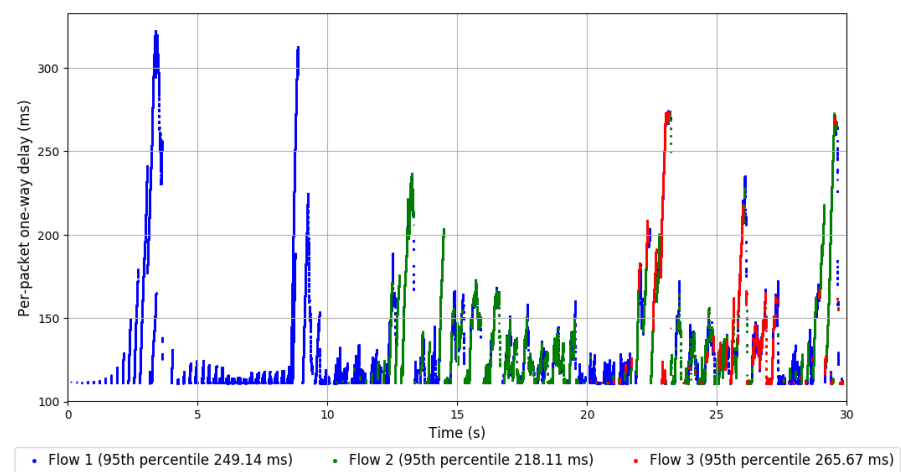
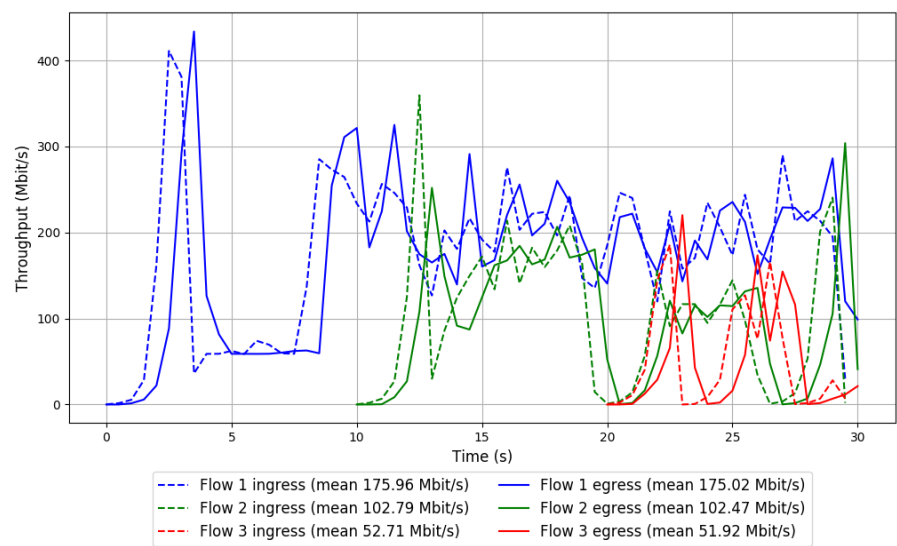


Run 7: Statistics of Verus

Start at: 2018-07-24 14:34:25
End at: 2018-07-24 14:34:56
Local clock offset: -0.076 ms
Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-24 18:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.66 Mbit/s
95th percentile per-packet one-way delay: 240.770 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 175.02 Mbit/s
95th percentile per-packet one-way delay: 249.137 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 102.47 Mbit/s
95th percentile per-packet one-way delay: 218.109 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 265.672 ms
Loss rate: 1.52%

Run 7: Report of Verus — Data Link

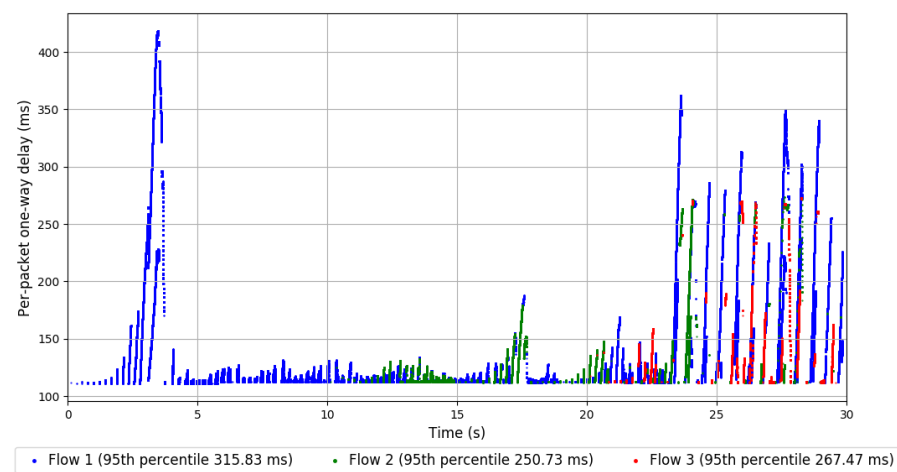
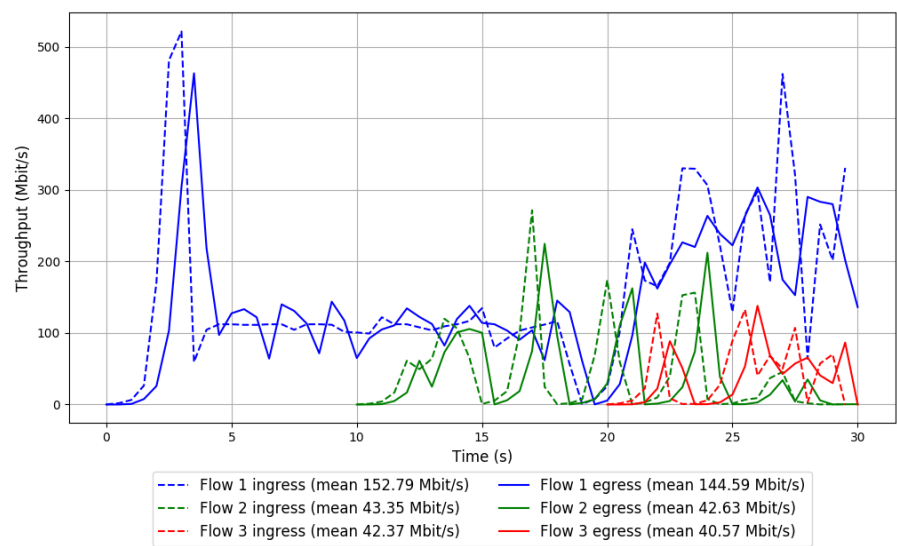


Run 8: Statistics of Verus

Start at: 2018-07-24 15:00:30
End at: 2018-07-24 15:01:00
Local clock offset: -0.943 ms
Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-24 18:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.63 Mbit/s
95th percentile per-packet one-way delay: 301.615 ms
Loss rate: 4.86%
-- Flow 1:
Average throughput: 144.59 Mbit/s
95th percentile per-packet one-way delay: 315.834 ms
Loss rate: 5.36%
-- Flow 2:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 250.730 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 267.467 ms
Loss rate: 6.52%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-24 15:26:32

End at: 2018-07-24 15:27:02

Local clock offset: 0.113 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-24 18:29:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.56 Mbit/s

95th percentile per-packet one-way delay: 309.268 ms

Loss rate: 5.32%

-- Flow 1:

Average throughput: 227.92 Mbit/s

95th percentile per-packet one-way delay: 315.009 ms

Loss rate: 5.51%

-- Flow 2:

Average throughput: 36.30 Mbit/s

95th percentile per-packet one-way delay: 254.725 ms

Loss rate: 3.98%

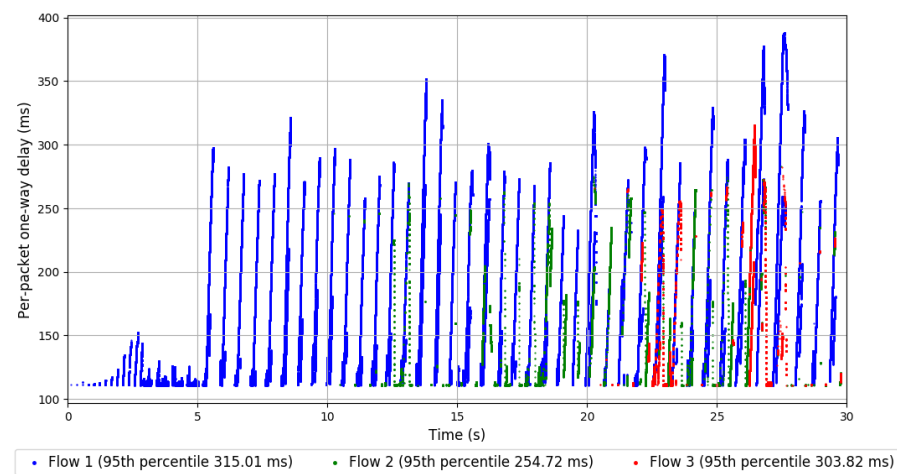
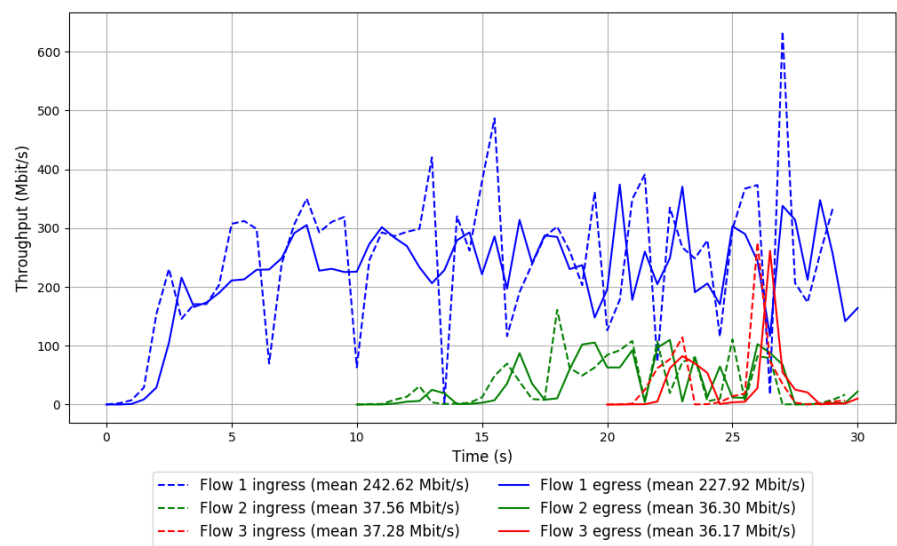
-- Flow 3:

Average throughput: 36.17 Mbit/s

95th percentile per-packet one-way delay: 303.816 ms

Loss rate: 4.47%

Run 9: Report of Verus — Data Link

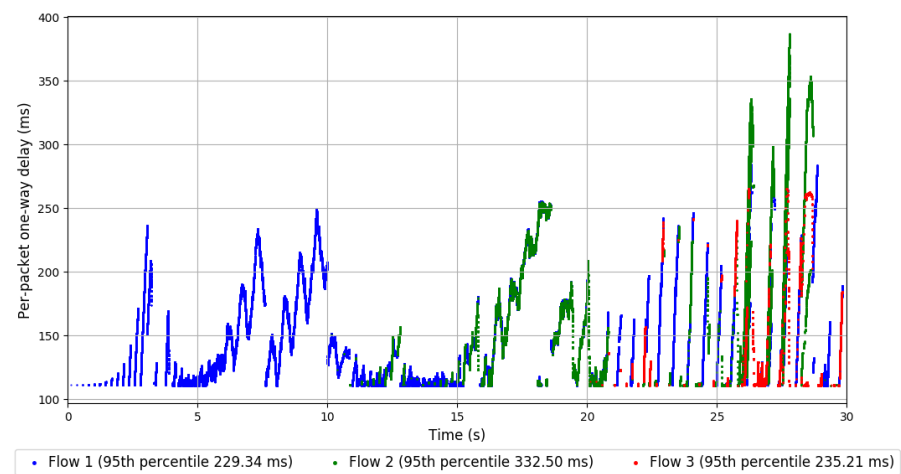
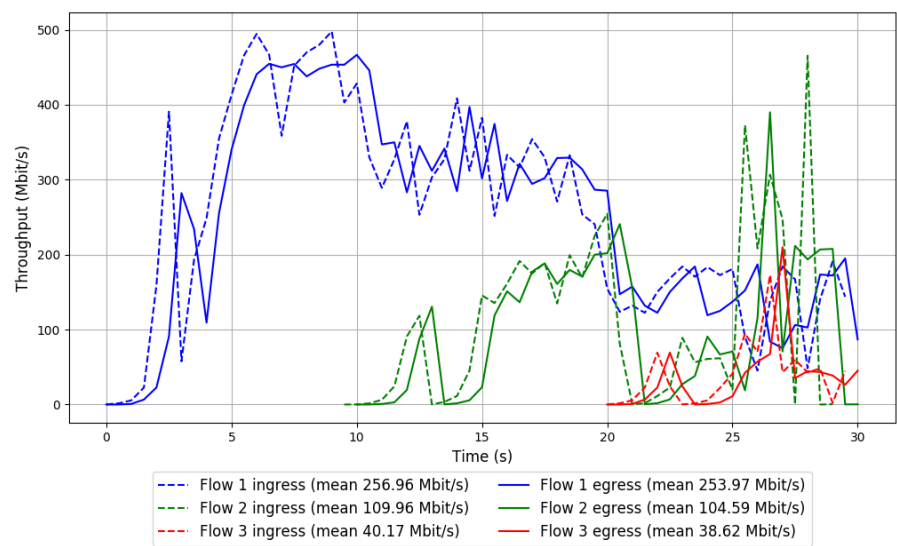


Run 10: Statistics of Verus

Start at: 2018-07-24 15:52:38
End at: 2018-07-24 15:53:08
Local clock offset: 0.035 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-24 18:30:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.07 Mbit/s
95th percentile per-packet one-way delay: 250.506 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 253.97 Mbit/s
95th percentile per-packet one-way delay: 229.335 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 104.59 Mbit/s
95th percentile per-packet one-way delay: 332.505 ms
Loss rate: 5.07%
-- Flow 3:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 235.211 ms
Loss rate: 3.15%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 12:07:08

End at: 2018-07-24 12:07:38

Local clock offset: -0.068 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-24 18:35:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 589.23 Mbit/s

95th percentile per-packet one-way delay: 118.597 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 342.70 Mbit/s

95th percentile per-packet one-way delay: 115.648 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 307.38 Mbit/s

95th percentile per-packet one-way delay: 132.614 ms

Loss rate: 0.00%

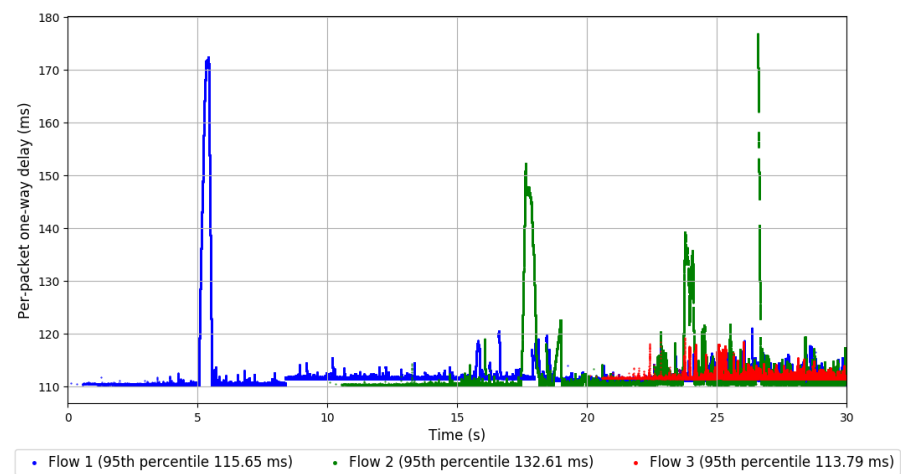
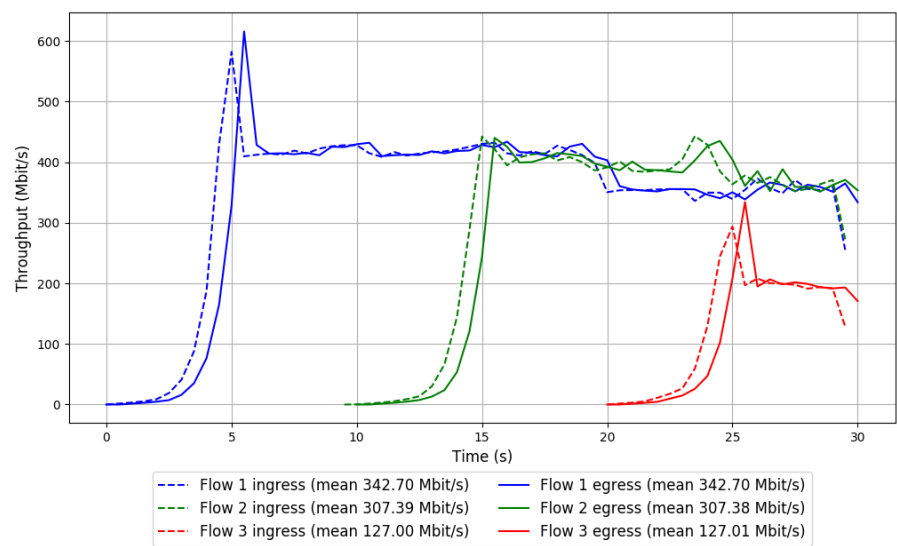
-- Flow 3:

Average throughput: 127.01 Mbit/s

95th percentile per-packet one-way delay: 113.789 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-24 12:34:17

End at: 2018-07-24 12:34:47

Local clock offset: 0.141 ms

Remote clock offset: 0.38 ms

Below is generated by plot.py at 2018-07-24 18:35:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 570.51 Mbit/s

95th percentile per-packet one-way delay: 114.864 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 343.45 Mbit/s

95th percentile per-packet one-way delay: 117.545 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 275.64 Mbit/s

95th percentile per-packet one-way delay: 113.552 ms

Loss rate: 0.00%

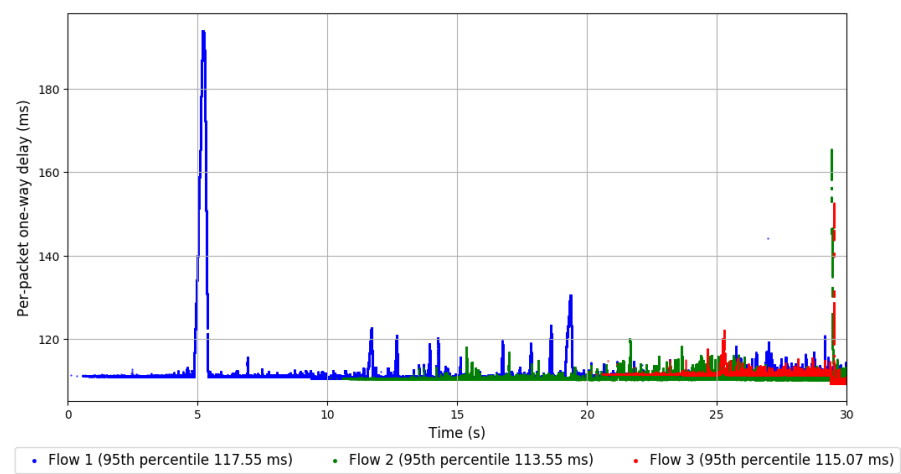
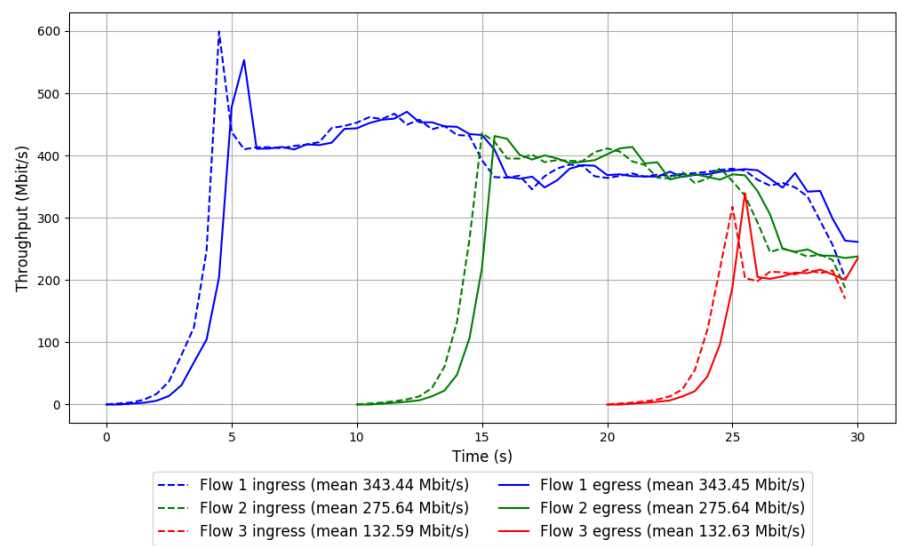
-- Flow 3:

Average throughput: 132.63 Mbit/s

95th percentile per-packet one-way delay: 115.070 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-24 13:00:44

End at: 2018-07-24 13:01:14

Local clock offset: 0.169 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-07-24 18:37:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 610.91 Mbit/s

95th percentile per-packet one-way delay: 154.754 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 349.78 Mbit/s

95th percentile per-packet one-way delay: 124.480 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 287.04 Mbit/s

95th percentile per-packet one-way delay: 200.331 ms

Loss rate: 1.25%

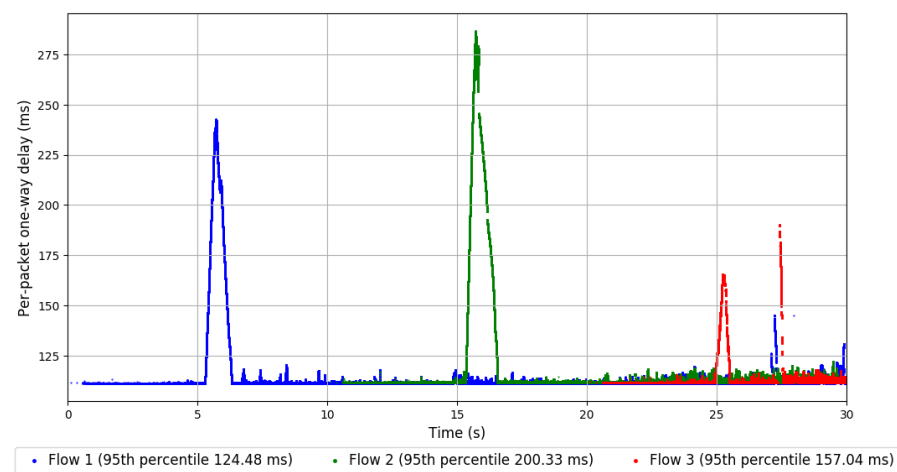
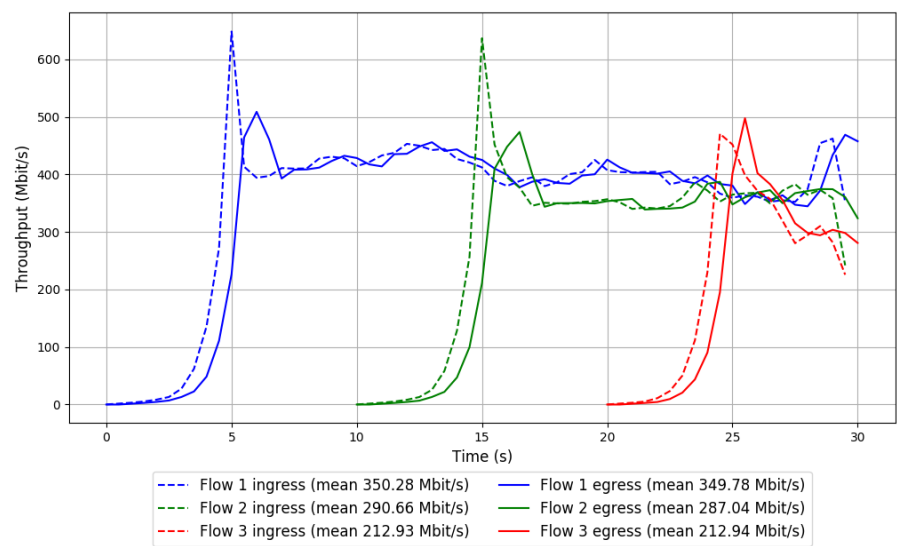
-- Flow 3:

Average throughput: 212.94 Mbit/s

95th percentile per-packet one-way delay: 157.039 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-24 13:26:45

End at: 2018-07-24 13:27:15

Local clock offset: -0.104 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-07-24 18:37:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 487.73 Mbit/s

95th percentile per-packet one-way delay: 117.648 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 334.65 Mbit/s

95th percentile per-packet one-way delay: 115.009 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 193.38 Mbit/s

95th percentile per-packet one-way delay: 129.451 ms

Loss rate: 0.00%

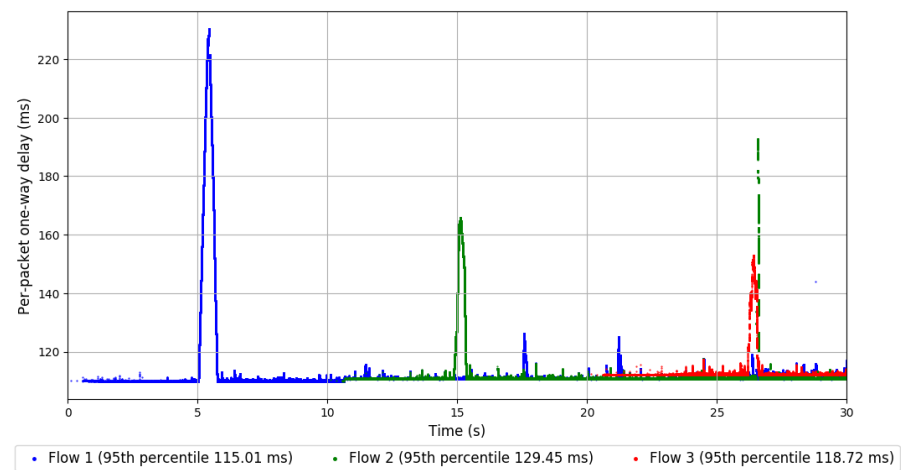
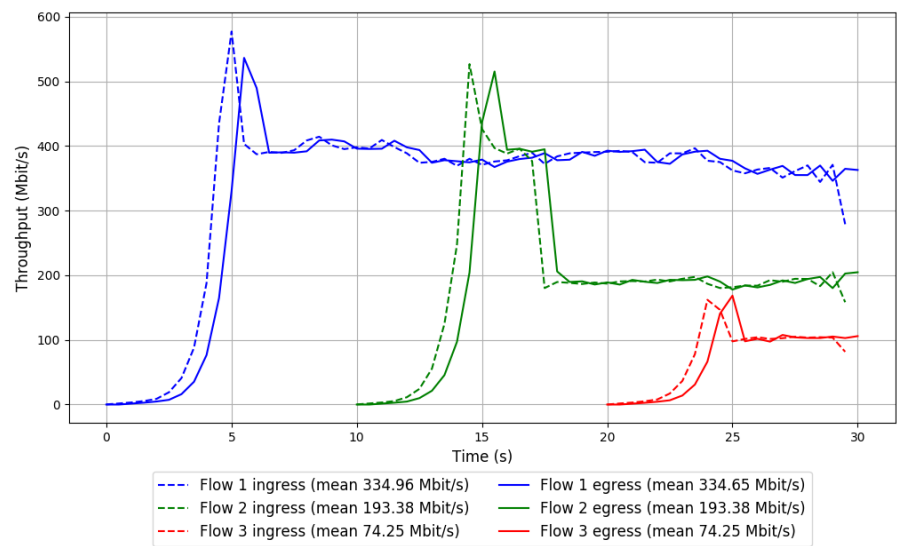
-- Flow 3:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 118.724 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-24 13:52:55

End at: 2018-07-24 13:53:25

Local clock offset: 0.223 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2018-07-24 18:37:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 572.11 Mbit/s

95th percentile per-packet one-way delay: 144.049 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 323.74 Mbit/s

95th percentile per-packet one-way delay: 143.814 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 303.20 Mbit/s

95th percentile per-packet one-way delay: 165.323 ms

Loss rate: 0.00%

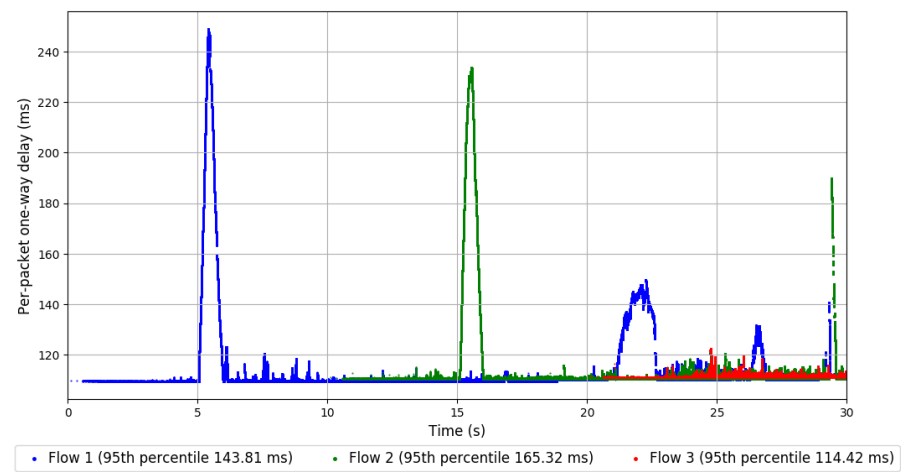
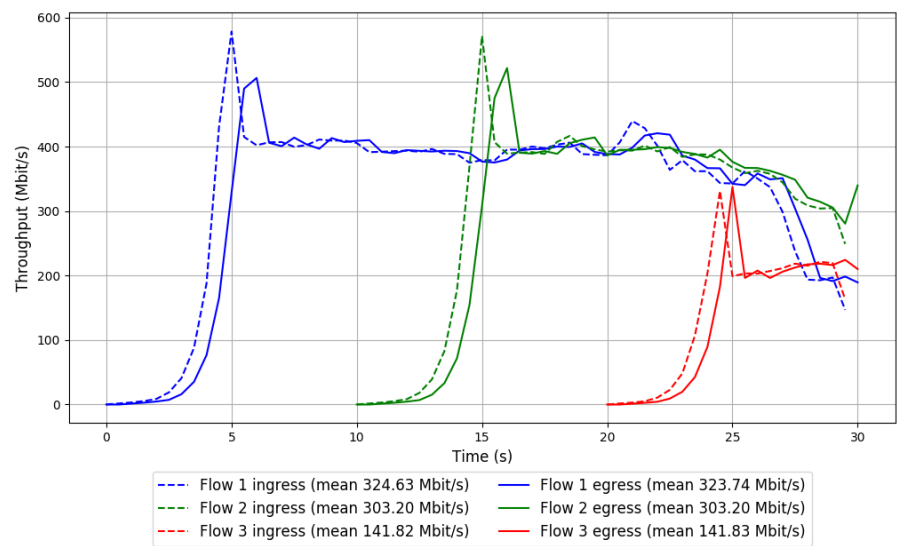
-- Flow 3:

Average throughput: 141.83 Mbit/s

95th percentile per-packet one-way delay: 114.415 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-24 14:18:54

End at: 2018-07-24 14:19:24

Local clock offset: 0.074 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-24 18:38:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 609.40 Mbit/s

95th percentile per-packet one-way delay: 162.642 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 349.27 Mbit/s

95th percentile per-packet one-way delay: 155.797 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 298.75 Mbit/s

95th percentile per-packet one-way delay: 156.879 ms

Loss rate: 0.56%

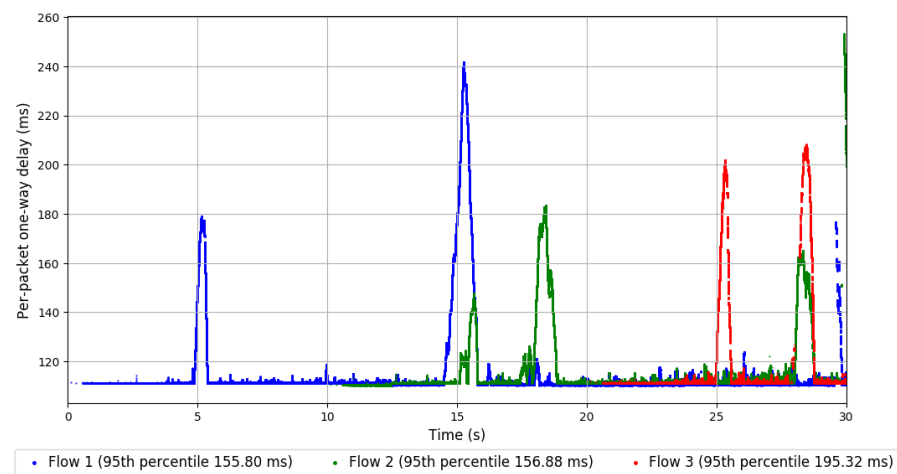
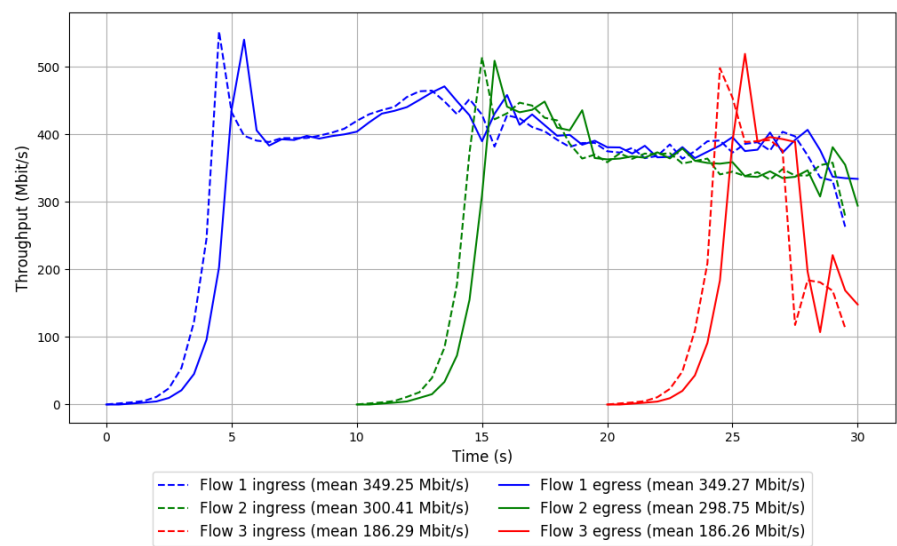
-- Flow 3:

Average throughput: 186.26 Mbit/s

95th percentile per-packet one-way delay: 195.321 ms

Loss rate: 0.04%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-24 14:45:03

End at: 2018-07-24 14:45:33

Local clock offset: 0.172 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-24 18:38:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 573.15 Mbit/s

95th percentile per-packet one-way delay: 183.854 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 342.06 Mbit/s

95th percentile per-packet one-way delay: 117.515 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 284.67 Mbit/s

95th percentile per-packet one-way delay: 235.290 ms

Loss rate: 0.67%

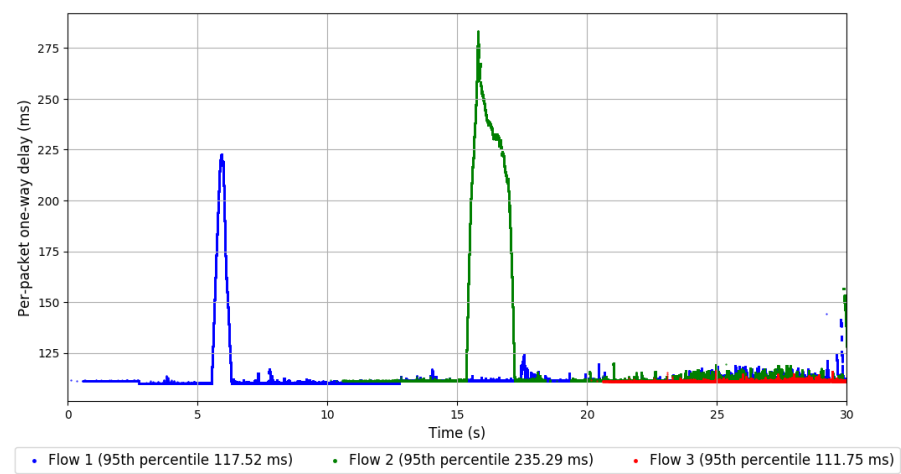
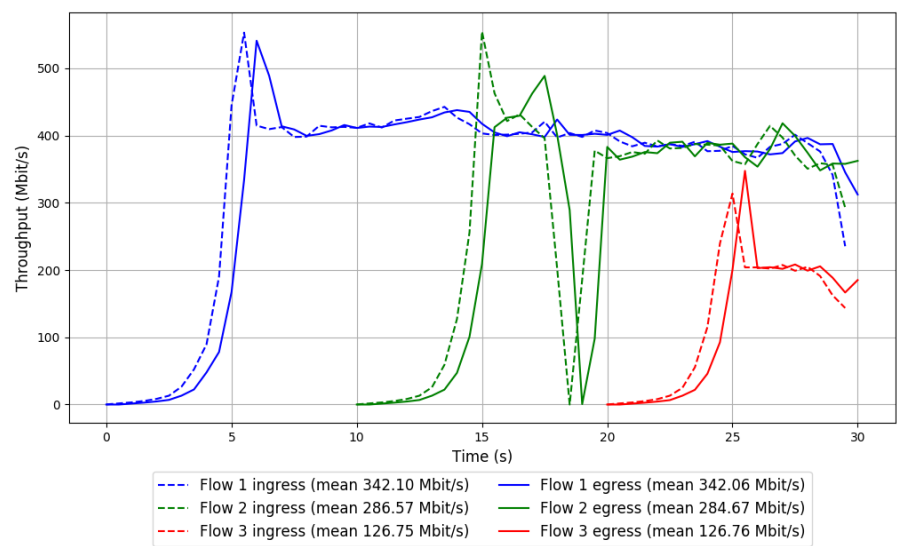
-- Flow 3:

Average throughput: 126.76 Mbit/s

95th percentile per-packet one-way delay: 111.749 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

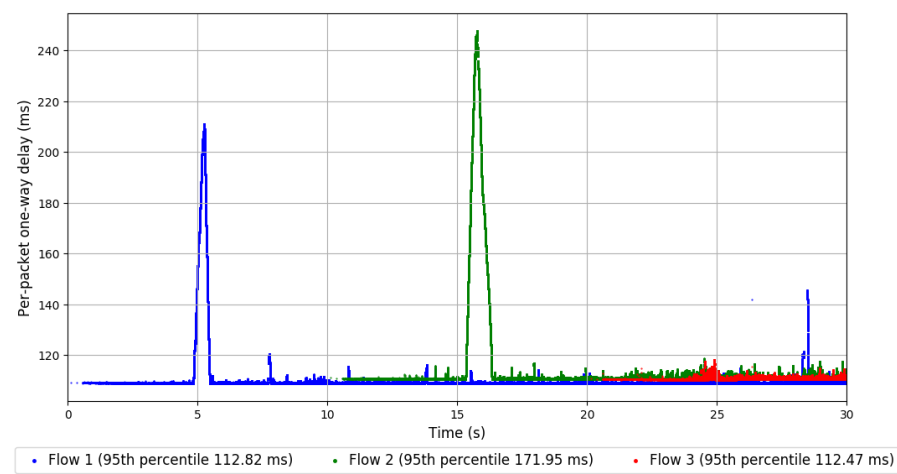
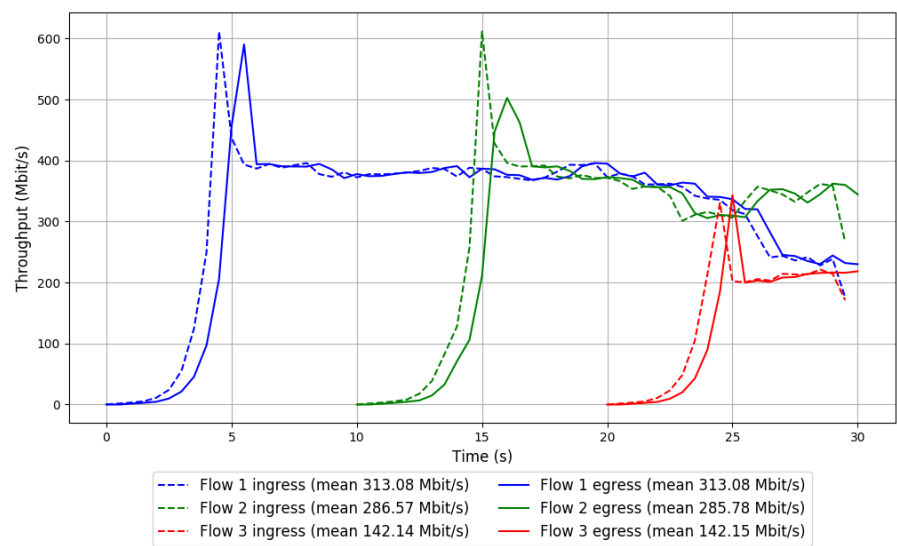


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-24 15:11:00
End at: 2018-07-24 15:11:30
Local clock offset: 0.085 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-07-24 18:38:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 549.98 Mbit/s
95th percentile per-packet one-way delay: 120.969 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 313.08 Mbit/s
95th percentile per-packet one-way delay: 112.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 285.78 Mbit/s
95th percentile per-packet one-way delay: 171.949 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 142.15 Mbit/s
95th percentile per-packet one-way delay: 112.473 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

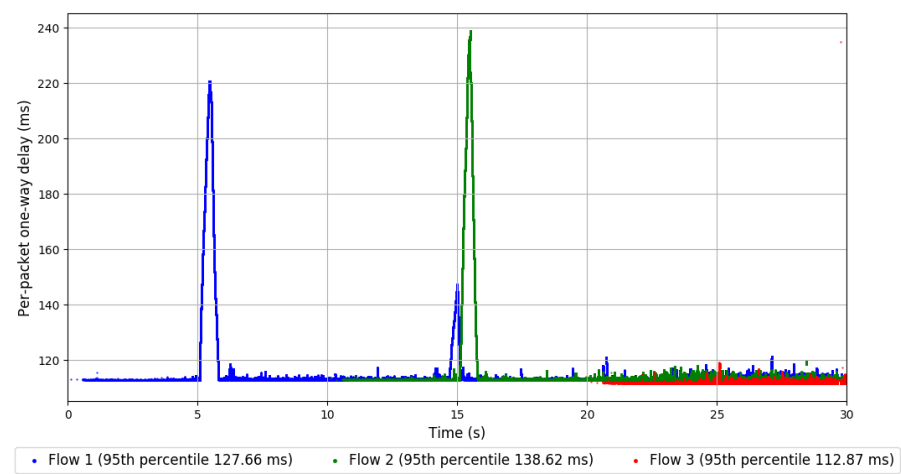
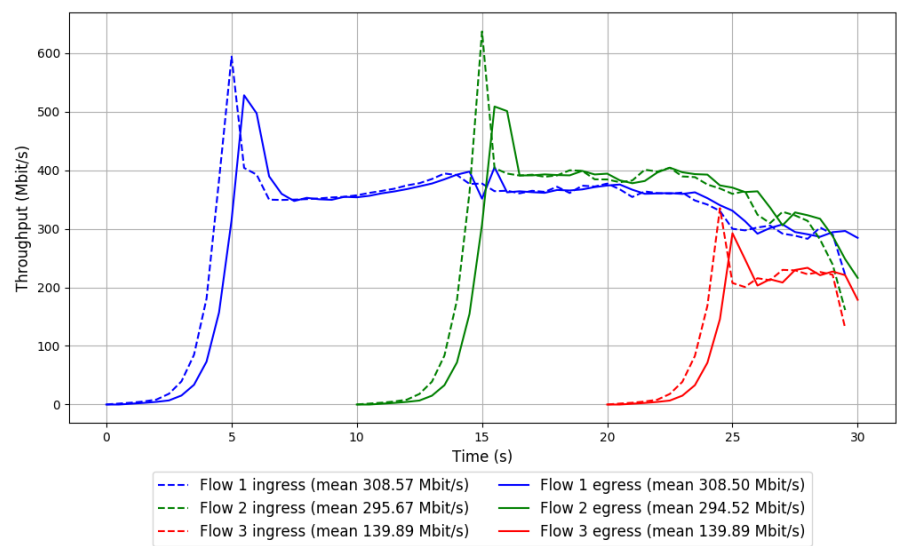


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-24 15:37:11
End at: 2018-07-24 15:37:41
Local clock offset: -1.426 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-24 18:39:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 550.47 Mbit/s
95th percentile per-packet one-way delay: 123.363 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 308.50 Mbit/s
95th percentile per-packet one-way delay: 127.655 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 294.52 Mbit/s
95th percentile per-packet one-way delay: 138.625 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 139.89 Mbit/s
95th percentile per-packet one-way delay: 112.866 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-24 16:03:24

End at: 2018-07-24 16:03:54

Local clock offset: 1.132 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-07-24 18:39:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 604.24 Mbit/s

95th percentile per-packet one-way delay: 200.493 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 345.12 Mbit/s

95th percentile per-packet one-way delay: 117.286 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 323.30 Mbit/s

95th percentile per-packet one-way delay: 237.671 ms

Loss rate: 0.80%

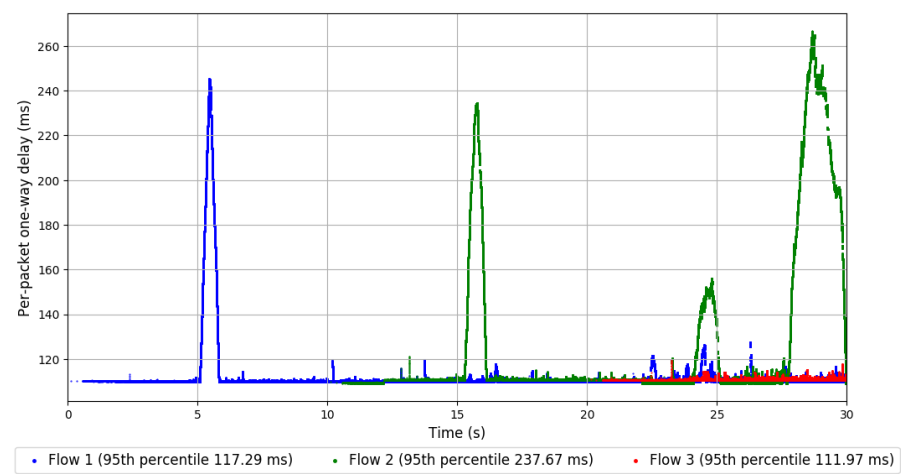
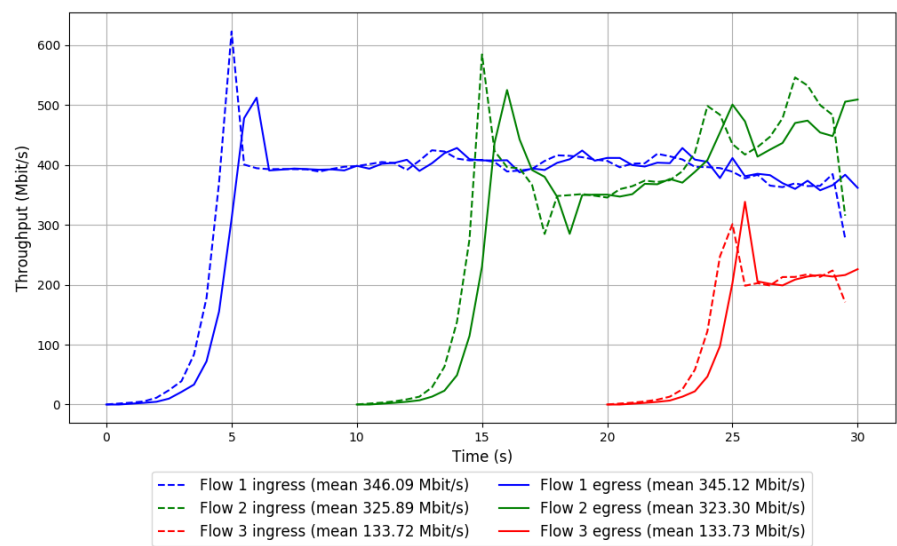
-- Flow 3:

Average throughput: 133.73 Mbit/s

95th percentile per-packet one-way delay: 111.965 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

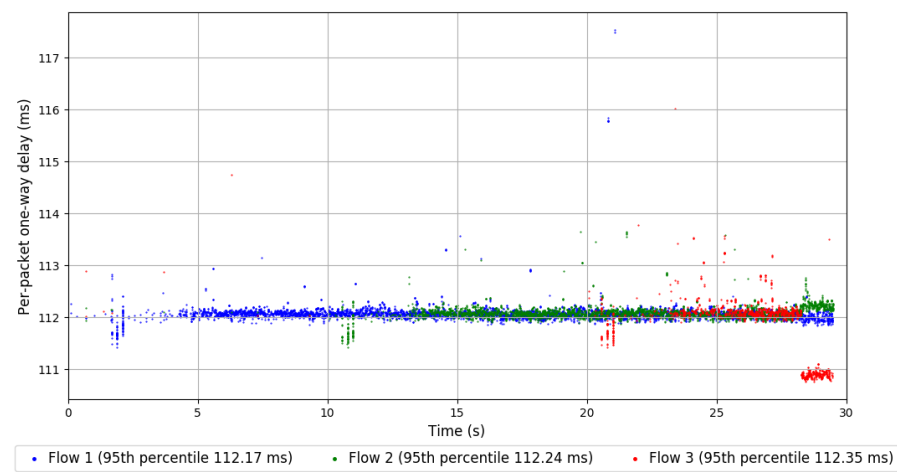
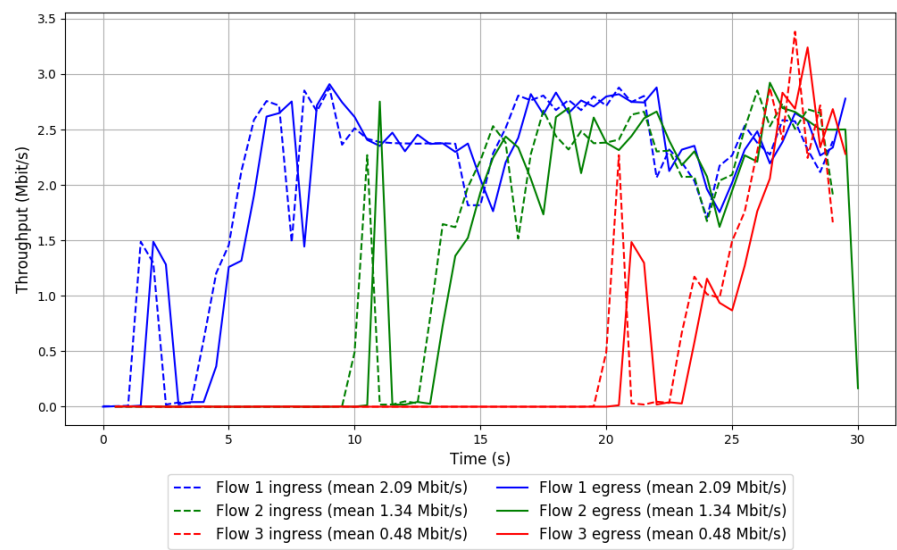


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-24 11:55:17
End at: 2018-07-24 11:55:47
Local clock offset: -0.124 ms
Remote clock offset: 0.393 ms

# Below is generated by plot.py at 2018-07-24 18:39:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 112.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 112.174 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 112.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 112.353 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

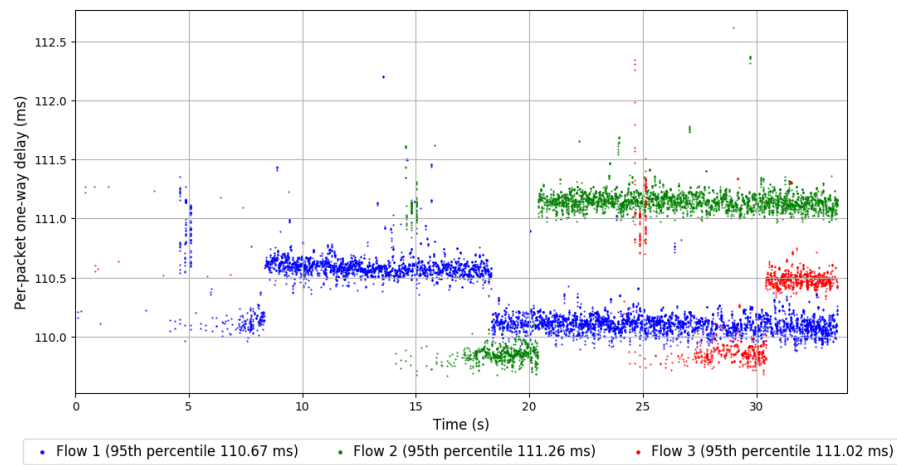
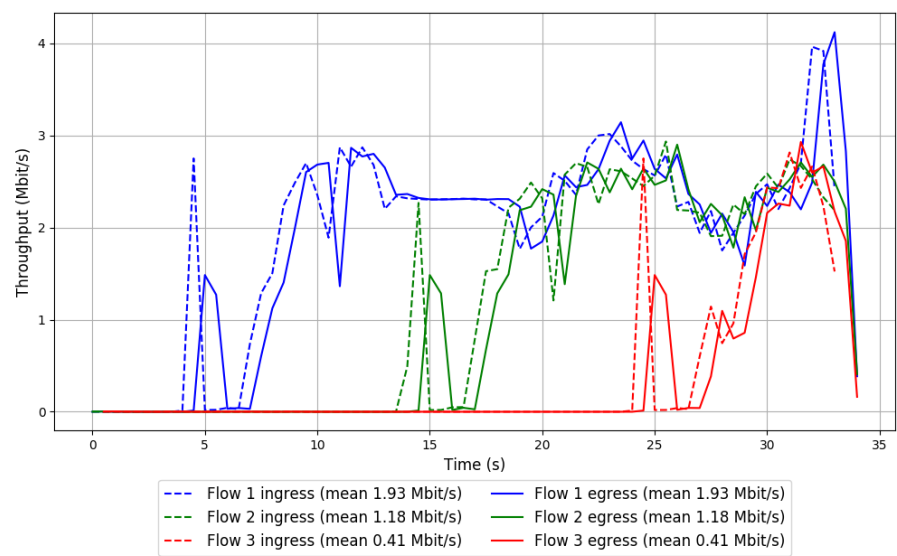


Run 2: Statistics of WebRTC media

Start at: 2018-07-24 12:22:09
End at: 2018-07-24 12:22:39
Local clock offset: 0.031 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-24 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 111.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 110.675 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 111.257 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.015 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-24 12:48:57

End at: 2018-07-24 12:49:27

Local clock offset: 0.016 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-24 18:39:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 111.601 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 111.430 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 111.653 ms

Loss rate: 0.00%

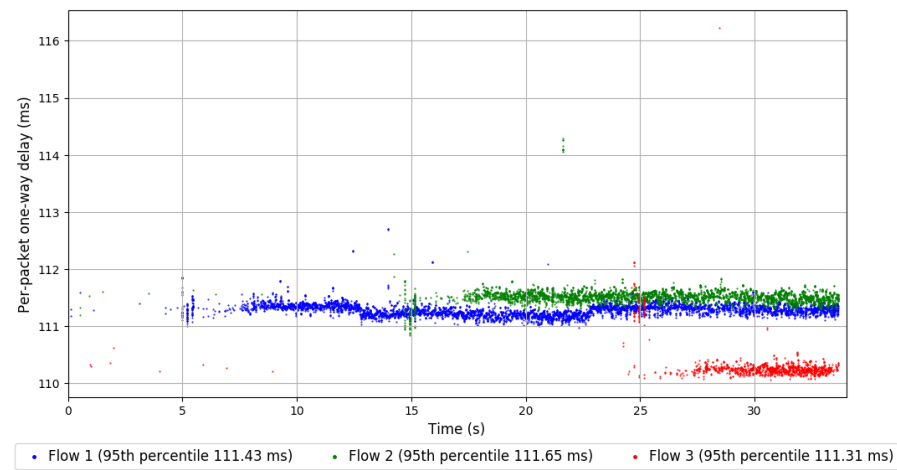
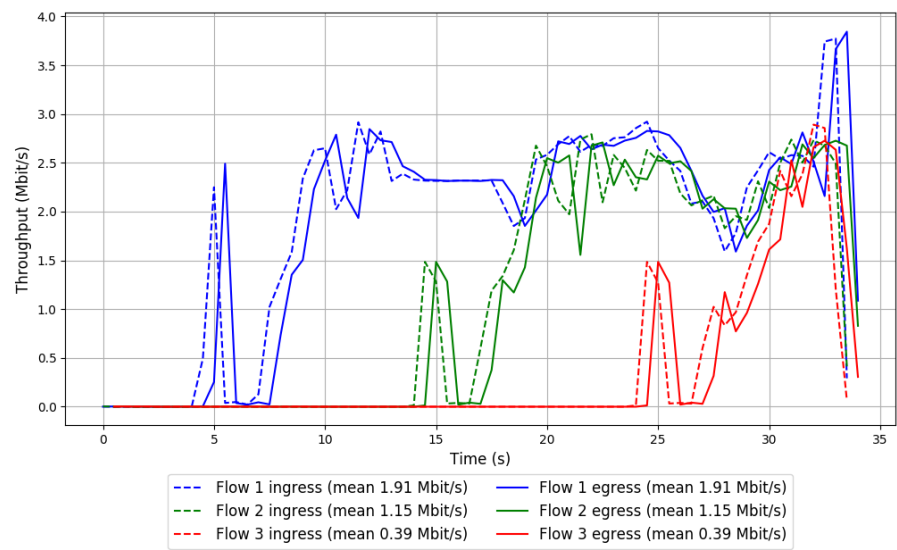
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 111.310 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-24 13:15:02

End at: 2018-07-24 13:15:32

Local clock offset: -0.034 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-24 18:39:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 111.869 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.893 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 111.738 ms

Loss rate: 0.00%

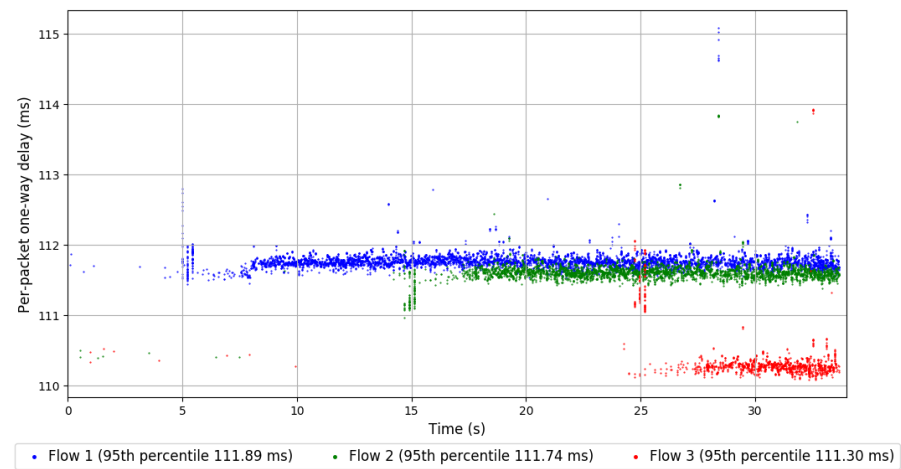
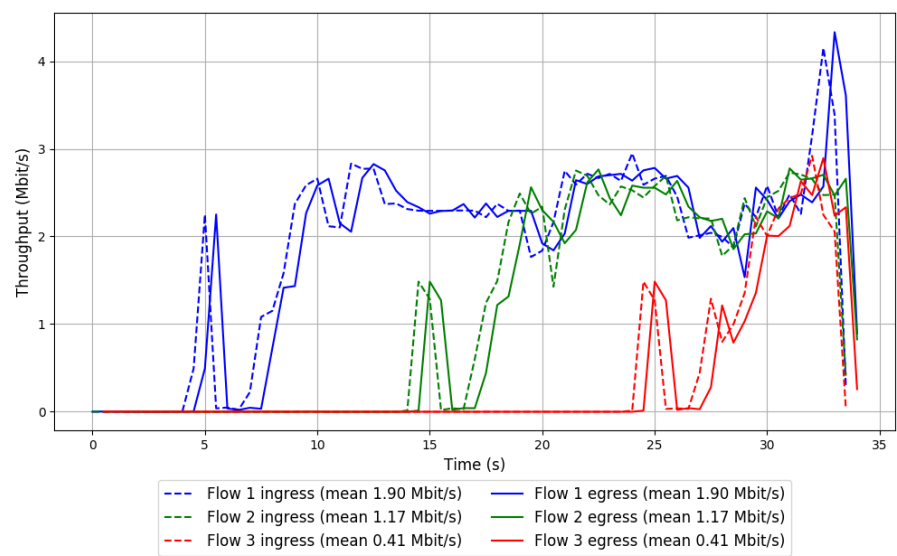
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.302 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-24 13:40:58

End at: 2018-07-24 13:41:28

Local clock offset: 0.303 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-24 18:39:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 111.405 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 111.384 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

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

Loss rate: 0.00%

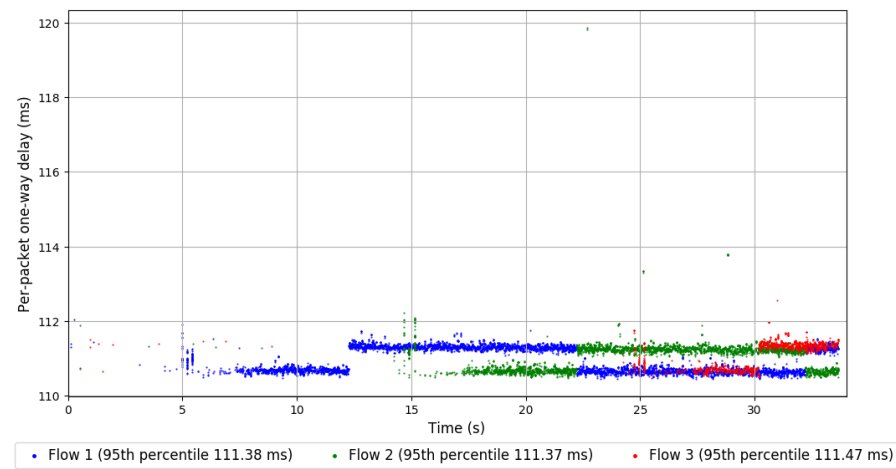
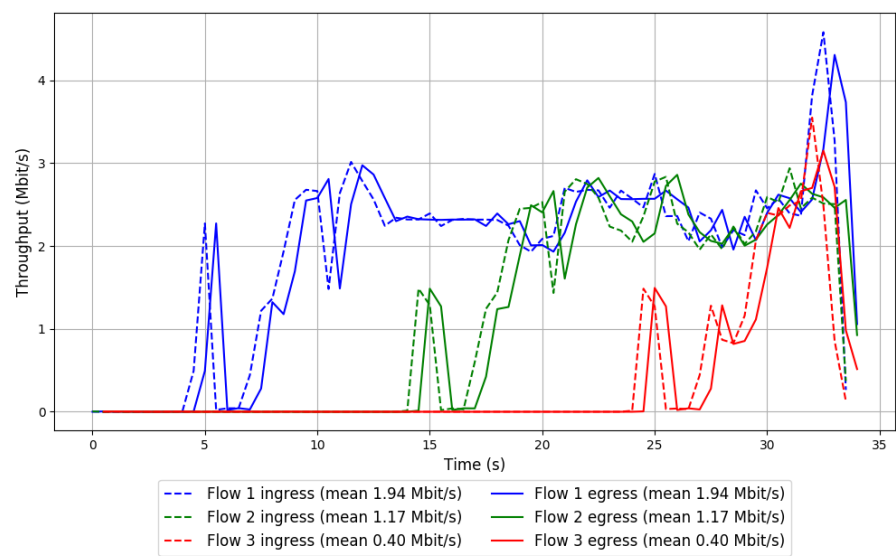
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 111.474 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-24 14:06:56

End at: 2018-07-24 14:07:26

Local clock offset: 0.213 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-24 18:39:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 111.295 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.324 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 110.552 ms

Loss rate: 0.00%

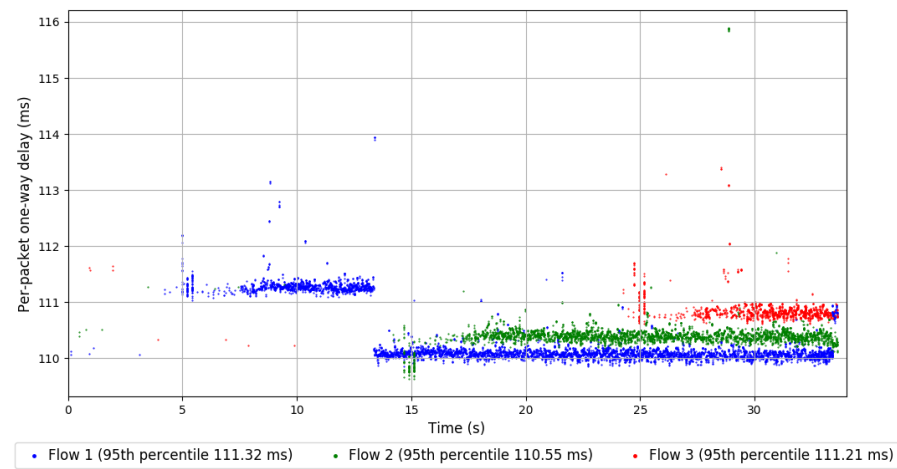
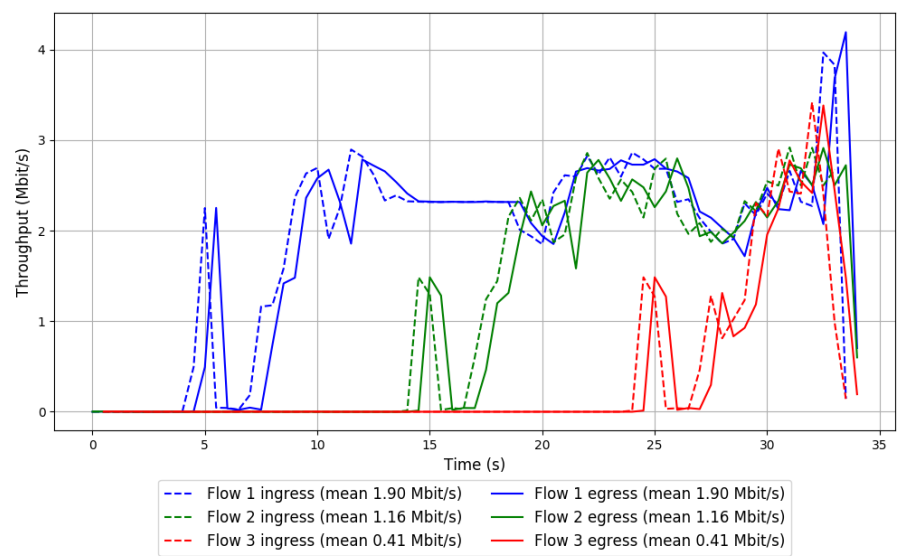
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.213 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-24 14:33:12

End at: 2018-07-24 14:33:42

Local clock offset: 1.252 ms

Remote clock offset: 0.377 ms

Below is generated by plot.py at 2018-07-24 18:39:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 111.629 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 111.663 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 110.668 ms

Loss rate: 0.00%

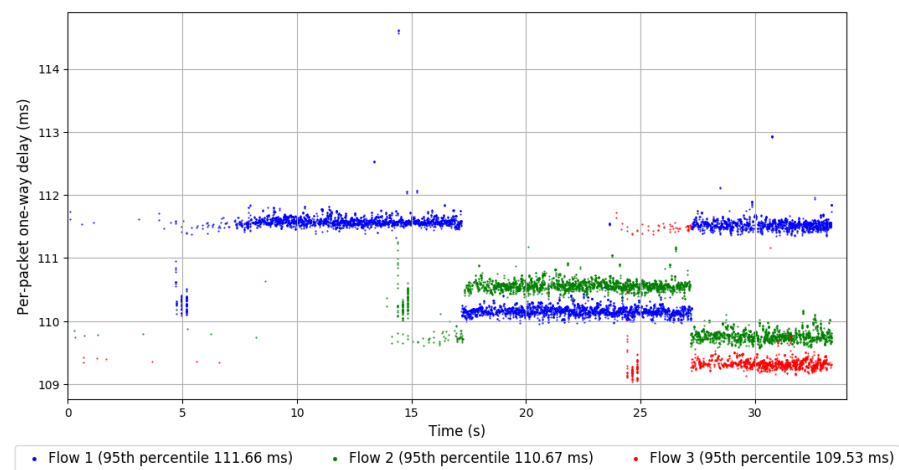
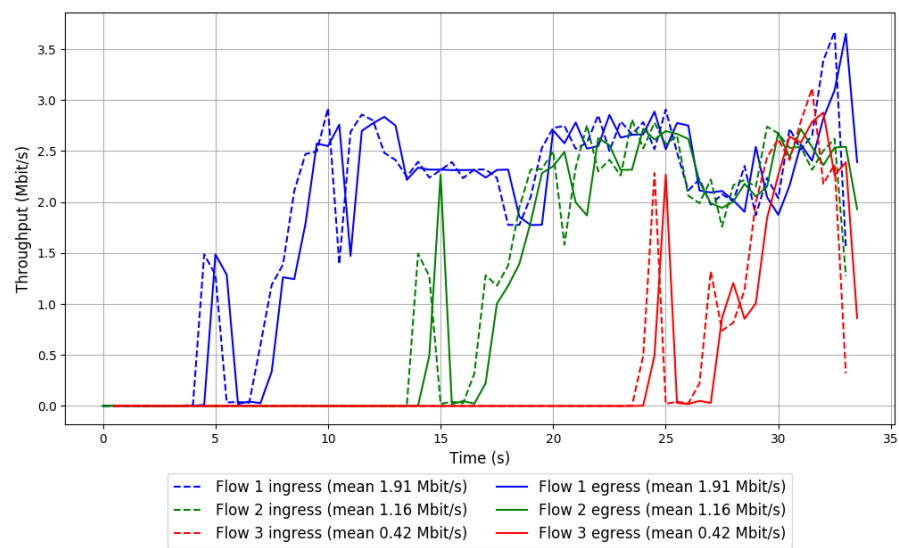
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 109.530 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

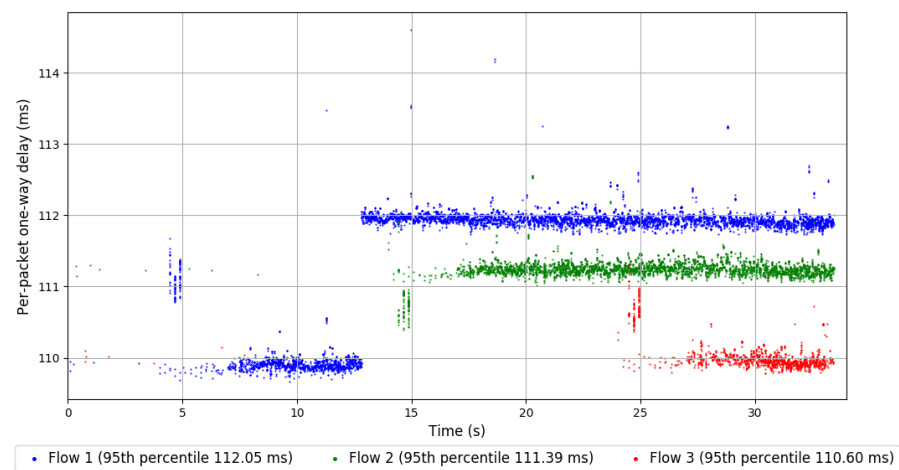
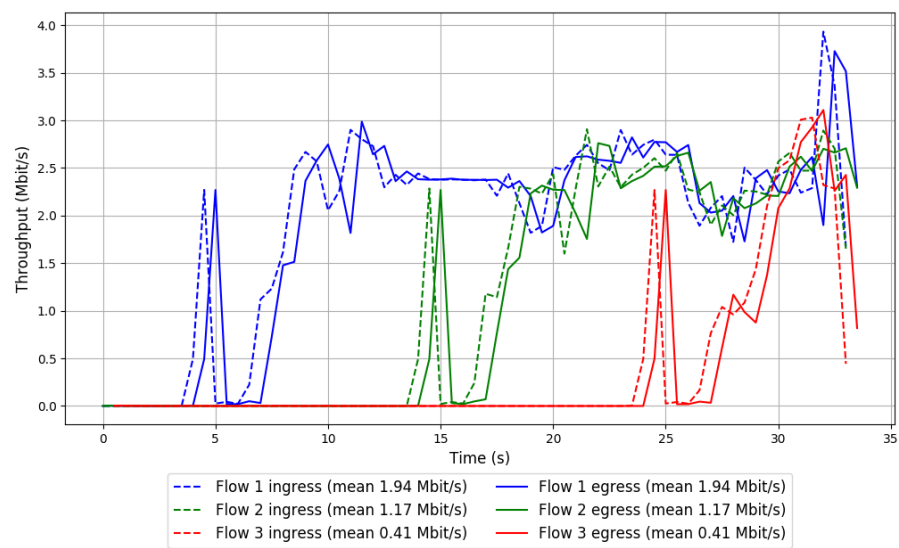


Run 8: Statistics of WebRTC media

Start at: 2018-07-24 14:59:17
End at: 2018-07-24 14:59:47
Local clock offset: 0.177 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-07-24 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 112.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 112.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 111.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 110.599 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-24 15:25:19

End at: 2018-07-24 15:25:49

Local clock offset: 0.147 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-07-24 18:39:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.50 Mbit/s

95th percentile per-packet one-way delay: 111.753 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 111.153 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

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

Loss rate: 0.00%

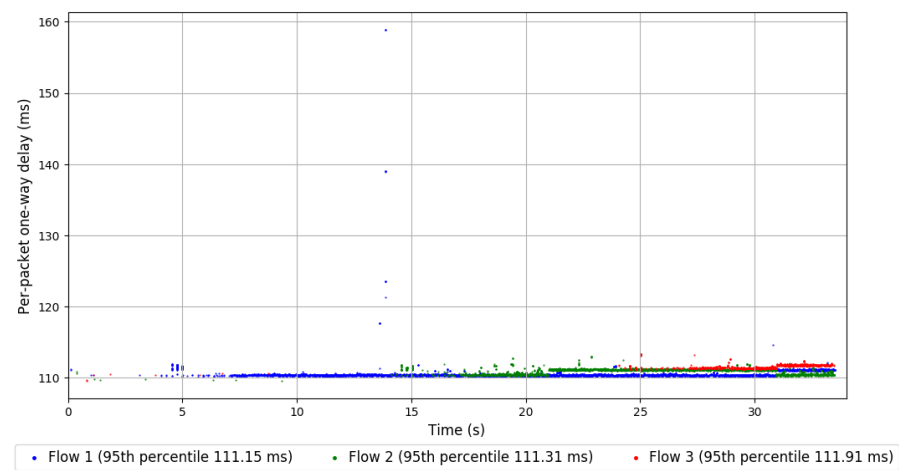
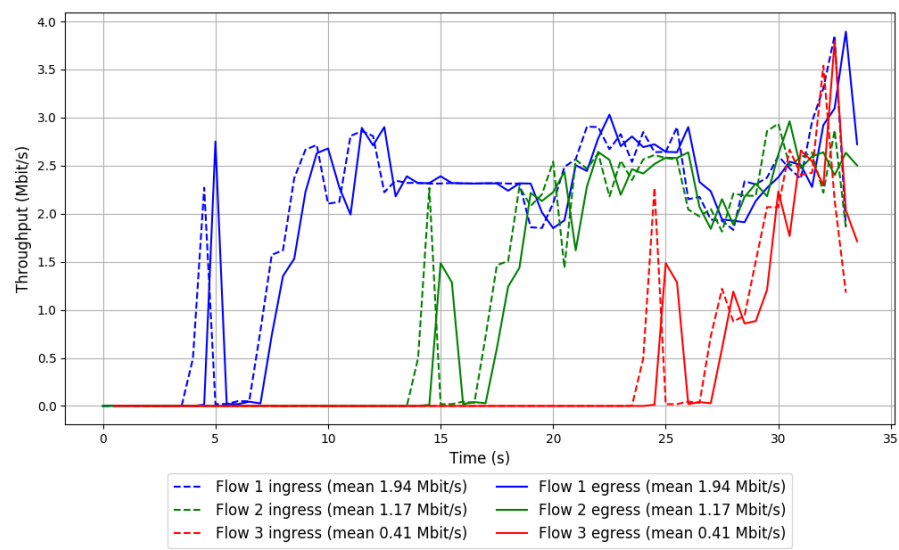
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.907 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-24 15:51:25
End at: 2018-07-24 15:51:55
Local clock offset: -0.041 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-24 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 111.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 111.336 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 110.560 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 111.236 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

