

Pantheon Report

Generated at 2018-07-18 10:21:43 (UTC).

Data path: GCE Sydney Ethernet (*local*) → GCE Iowa 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.

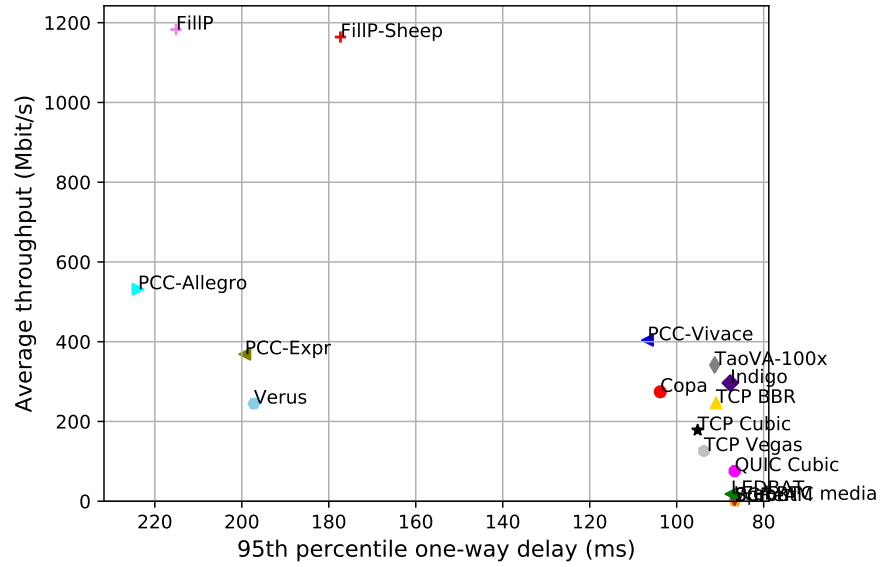
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

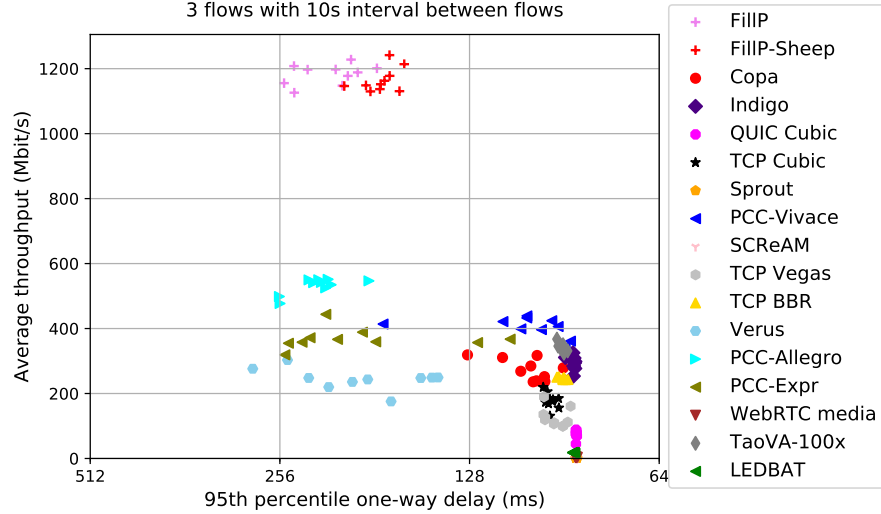
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 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 Sydney to GCE Iowa, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



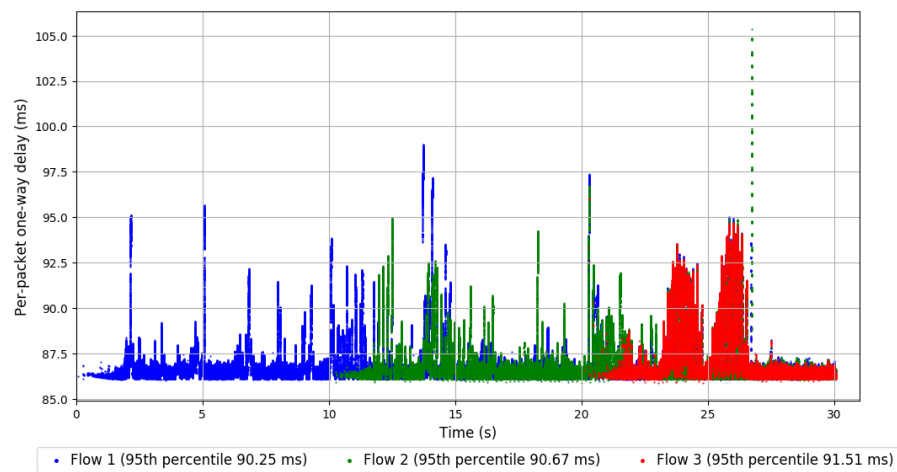
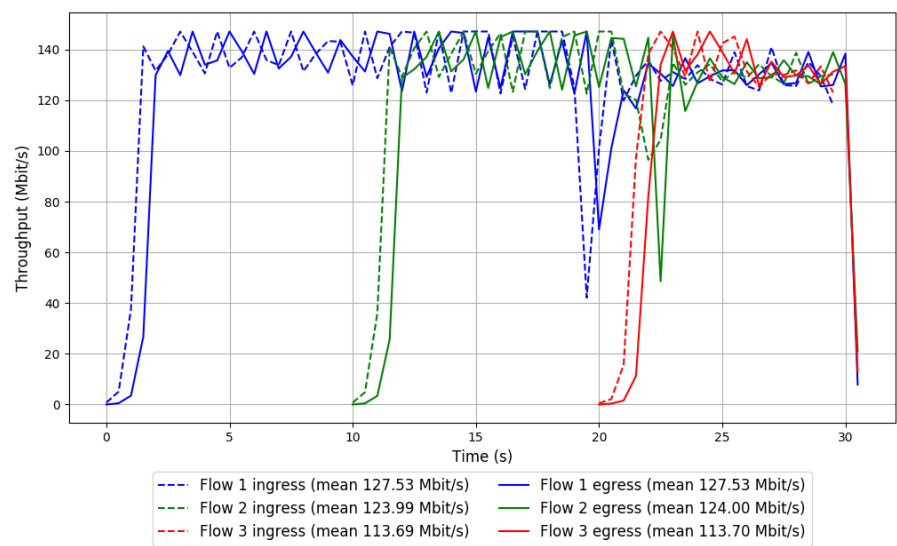
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	126.18	122.66	116.33	90.30	90.84	92.28	0.00	0.00	0.00
Copa	10	154.95	124.35	113.39	98.41	105.63	102.87	0.00	0.00	0.00
TCP Cubic	10	103.92	83.16	56.93	95.40	93.84	91.81	0.00	0.00	0.08
FillP	10	627.11	587.89	496.02	207.78	225.80	208.52	6.51	5.60	3.99
FillP-Sheep	10	641.26	546.97	479.38	168.65	182.58	171.58	1.71	2.08	0.90
Indigo	10	155.52	150.01	128.36	87.36	87.93	88.21	0.00	0.00	0.00
LEDBAT	10	11.60	7.78	3.54	87.63	87.38	87.16	0.02	0.00	0.00
PCC-Allegro	10	464.58	71.50	59.63	225.81	216.10	191.79	2.72	2.33	2.53
PCC-Expr	10	227.15	177.43	70.88	199.14	167.60	153.93	1.60	0.62	0.73
QUIC Cubic	10	41.56	38.40	26.35	86.53	86.62	86.52	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.45	86.52	86.42	0.00	0.00	0.00
Sprout	10	0.28	0.30	0.33	86.58	86.53	86.57	0.00	0.00	0.00
TaoVA-100x	10	179.73	175.30	135.96	89.80	92.20	95.65	0.00	0.03	0.07
TCP Vegas	10	73.14	55.45	47.59	93.43	91.65	90.48	0.00	0.03	0.13
Verus	10	156.65	94.04	81.23	179.90	202.42	212.34	0.97	1.86	2.37
PCC-Vivace	10	238.20	187.67	123.27	118.16	90.58	96.75	0.02	0.01	0.01
WebRTC media	10	1.97	1.20	0.46	86.63	86.63	86.54	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 03:30:31
End at: 2018-07-18 03:31:01
Local clock offset: -0.132 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-18 07:49:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.88 Mbit/s
95th percentile per-packet one-way delay: 90.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.53 Mbit/s
95th percentile per-packet one-way delay: 90.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.00 Mbit/s
95th percentile per-packet one-way delay: 90.673 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.70 Mbit/s
95th percentile per-packet one-way delay: 91.512 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

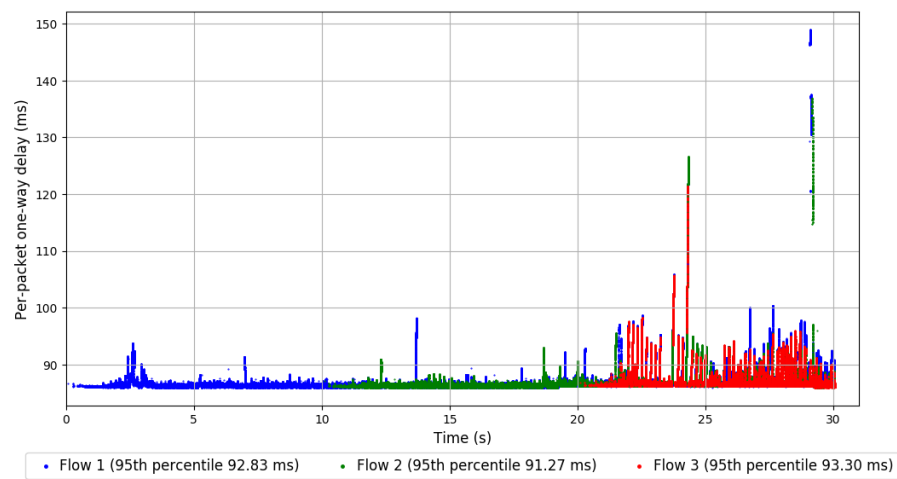
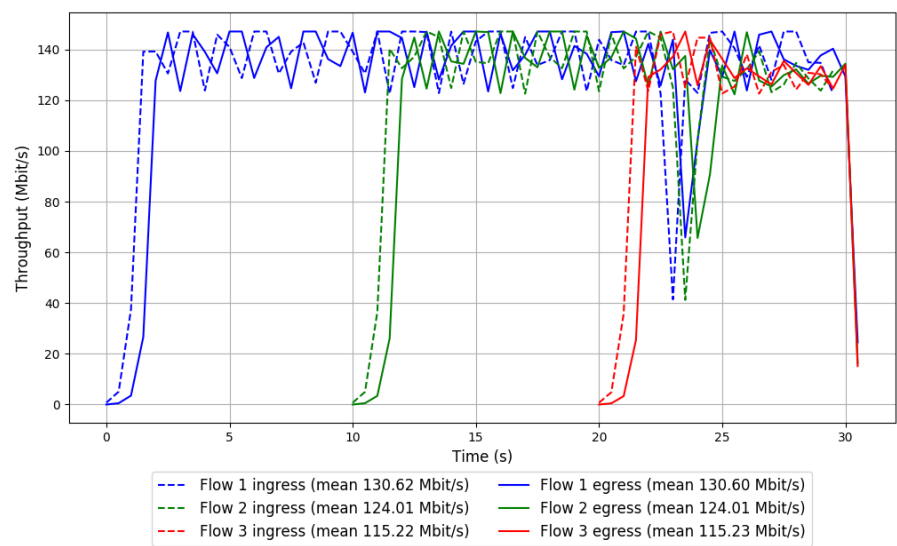


Run 2: Statistics of TCP BBR

Start at: 2018-07-18 03:56:26
End at: 2018-07-18 03:56:56
Local clock offset: -0.163 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-18 07:49:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.42 Mbit/s
95th percentile per-packet one-way delay: 92.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.60 Mbit/s
95th percentile per-packet one-way delay: 92.827 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.01 Mbit/s
95th percentile per-packet one-way delay: 91.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.23 Mbit/s
95th percentile per-packet one-way delay: 93.299 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-18 04:22:33

End at: 2018-07-18 04:23:03

Local clock offset: -0.192 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-18 07:49:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.00 Mbit/s

95th percentile per-packet one-way delay: 91.030 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 124.22 Mbit/s

95th percentile per-packet one-way delay: 89.804 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 123.97 Mbit/s

95th percentile per-packet one-way delay: 90.672 ms

Loss rate: 0.01%

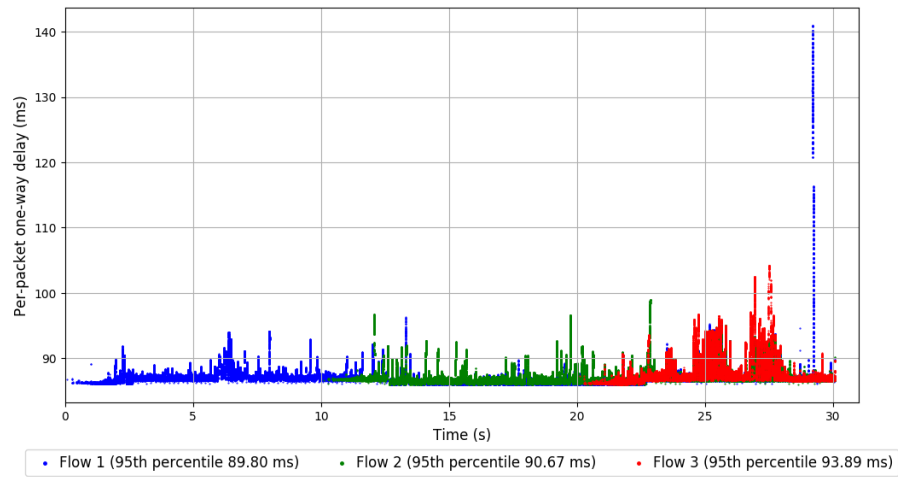
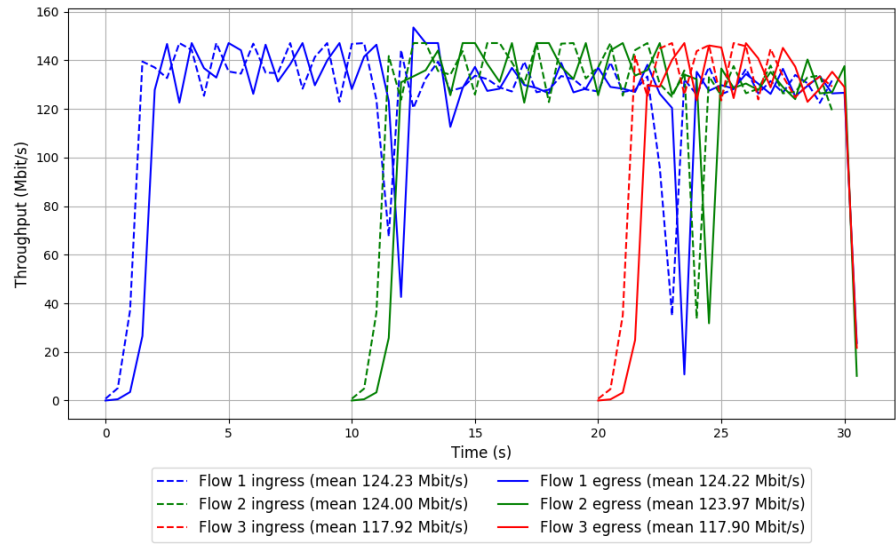
-- Flow 3:

Average throughput: 117.90 Mbit/s

95th percentile per-packet one-way delay: 93.892 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-18 04:48:31

End at: 2018-07-18 04:49:01

Local clock offset: -0.27 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-18 07:49:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.09 Mbit/s

95th percentile per-packet one-way delay: 89.311 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 122.87 Mbit/s

95th percentile per-packet one-way delay: 87.719 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 122.35 Mbit/s

95th percentile per-packet one-way delay: 89.489 ms

Loss rate: 0.00%

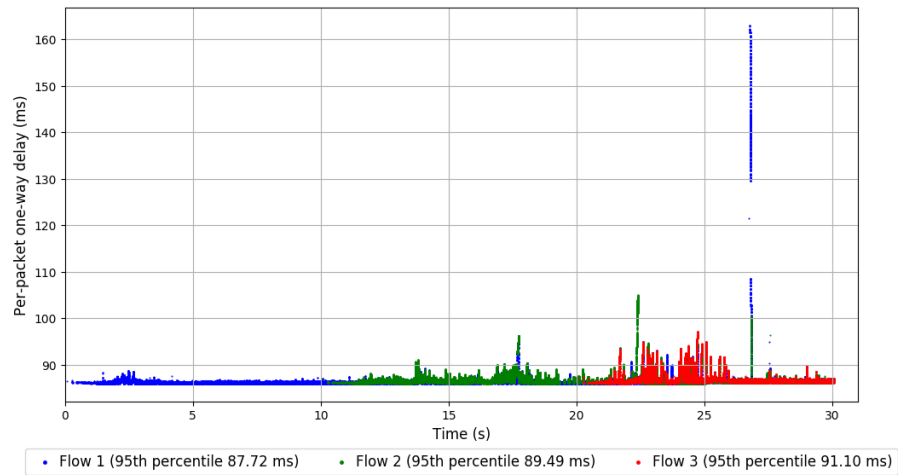
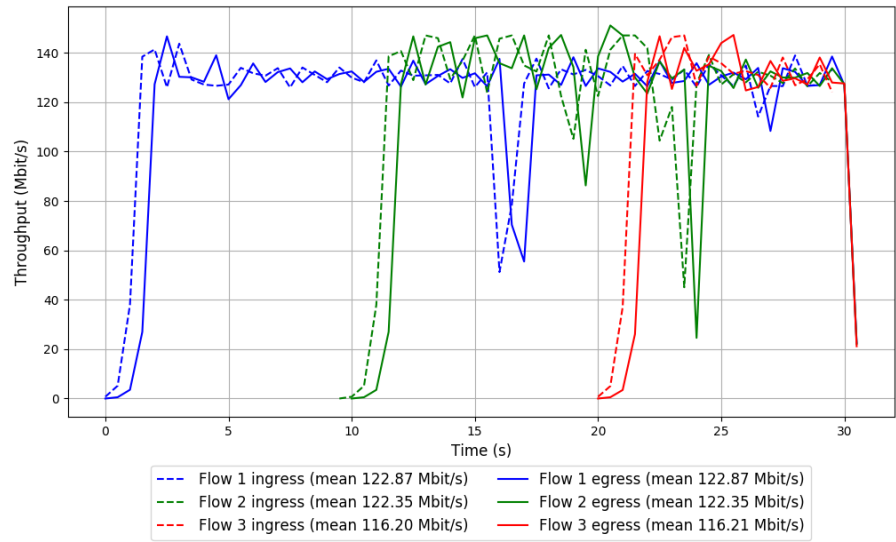
-- Flow 3:

Average throughput: 116.21 Mbit/s

95th percentile per-packet one-way delay: 91.102 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-18 05:14:34

End at: 2018-07-18 05:15:04

Local clock offset: -0.16 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-18 07:49:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.71 Mbit/s

95th percentile per-packet one-way delay: 90.146 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 124.62 Mbit/s

95th percentile per-packet one-way delay: 89.844 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 119.65 Mbit/s

95th percentile per-packet one-way delay: 89.350 ms

Loss rate: 0.00%

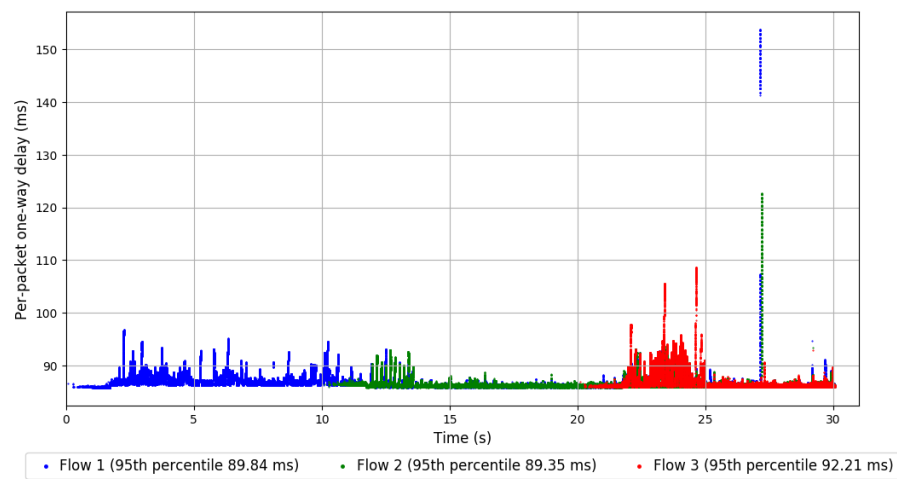
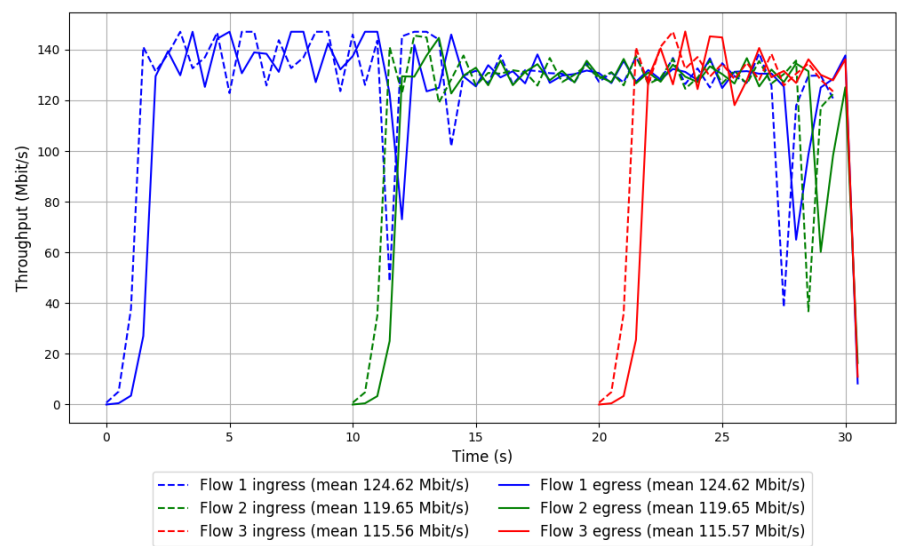
-- Flow 3:

Average throughput: 115.57 Mbit/s

95th percentile per-packet one-way delay: 92.214 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-18 05:40:42

End at: 2018-07-18 05:41:12

Local clock offset: -0.247 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-18 07:49:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 249.32 Mbit/s

95th percentile per-packet one-way delay: 90.658 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 126.59 Mbit/s

95th percentile per-packet one-way delay: 90.021 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 126.55 Mbit/s

95th percentile per-packet one-way delay: 90.314 ms

Loss rate: 0.00%

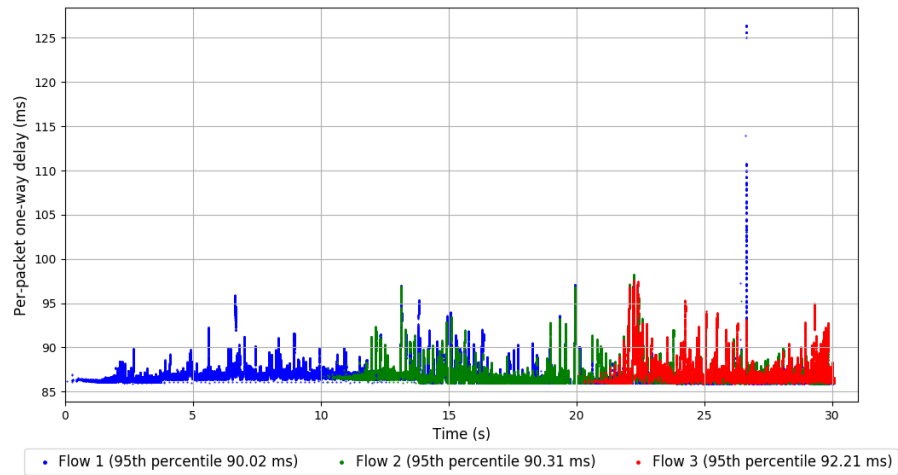
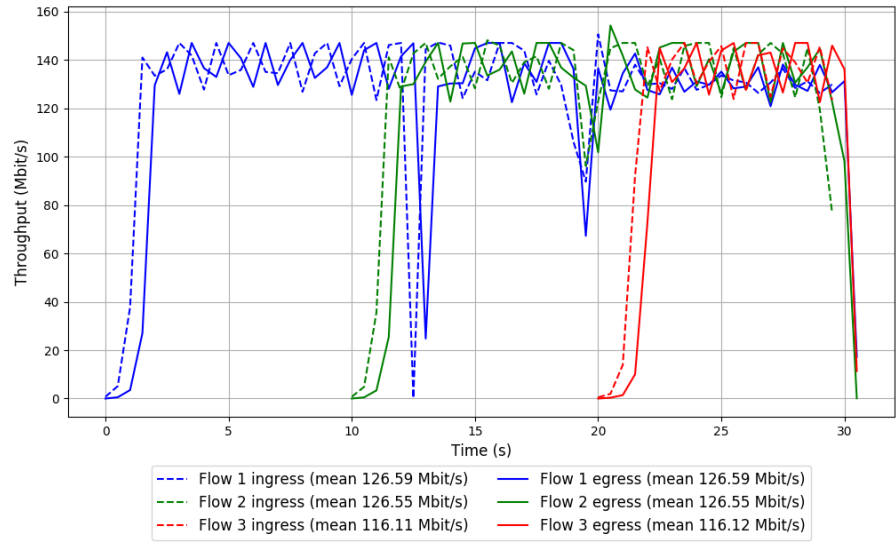
-- Flow 3:

Average throughput: 116.12 Mbit/s

95th percentile per-packet one-way delay: 92.210 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

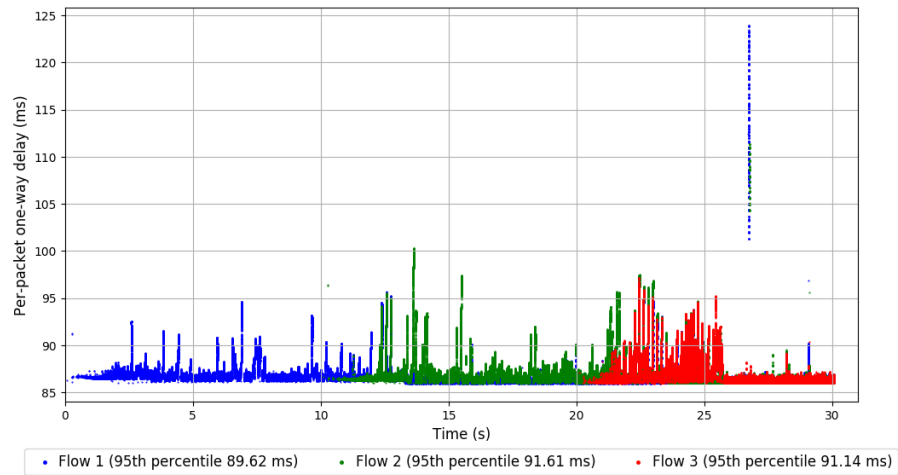
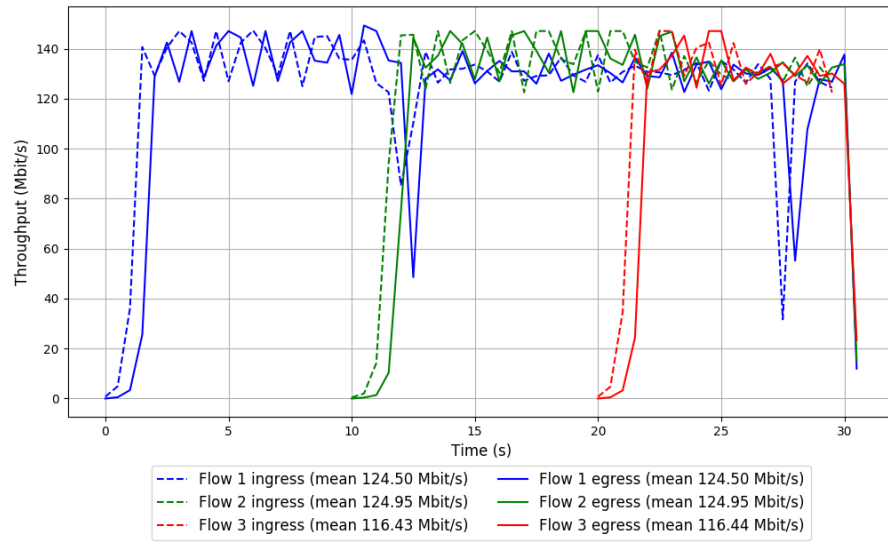


Run 7: Statistics of TCP BBR

Start at: 2018-07-18 06:06:32
End at: 2018-07-18 06:07:02
Local clock offset: -0.31 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-18 07:49:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.43 Mbit/s
95th percentile per-packet one-way delay: 90.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.50 Mbit/s
95th percentile per-packet one-way delay: 89.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.95 Mbit/s
95th percentile per-packet one-way delay: 91.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.44 Mbit/s
95th percentile per-packet one-way delay: 91.140 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

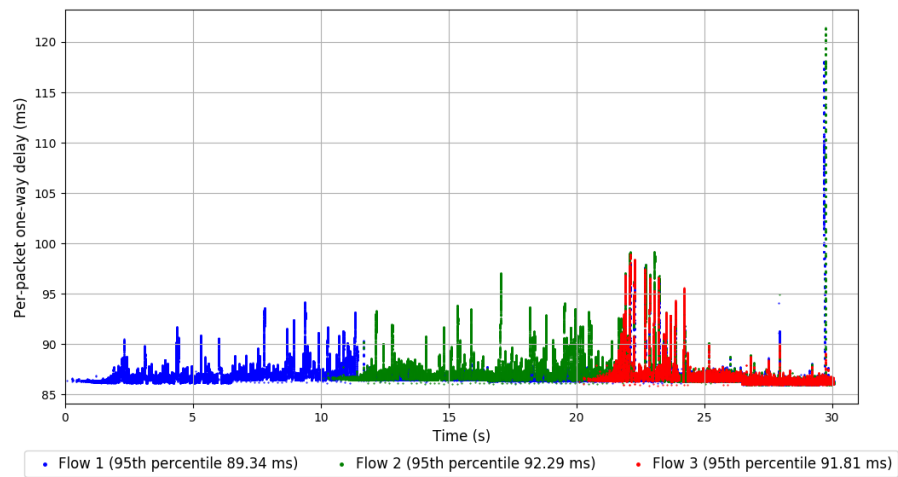
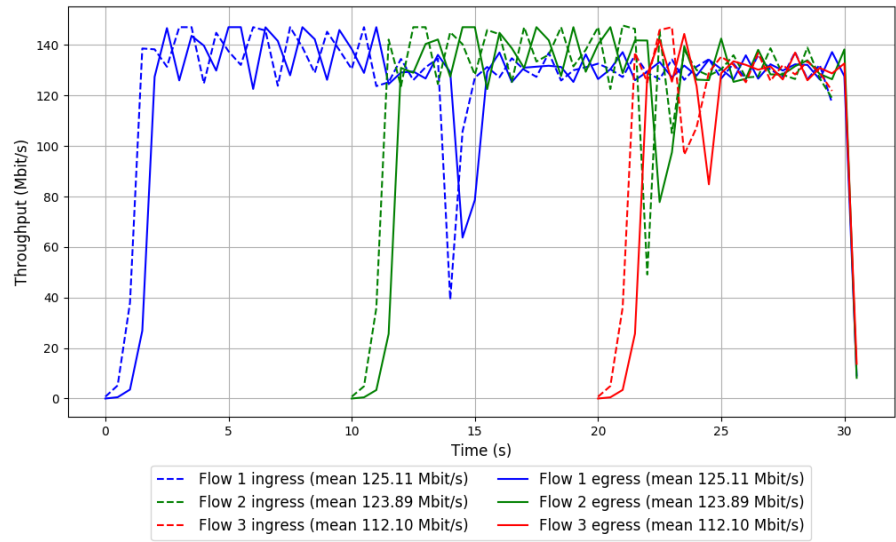


Run 8: Statistics of TCP BBR

Start at: 2018-07-18 06:32:49
End at: 2018-07-18 06:33:19
Local clock offset: -0.201 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-18 07:49:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.82 Mbit/s
95th percentile per-packet one-way delay: 90.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.11 Mbit/s
95th percentile per-packet one-way delay: 89.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.89 Mbit/s
95th percentile per-packet one-way delay: 92.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 112.10 Mbit/s
95th percentile per-packet one-way delay: 91.814 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-18 06:58:38

End at: 2018-07-18 06:59:08

Local clock offset: -0.203 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-18 07:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.26 Mbit/s

95th percentile per-packet one-way delay: 93.007 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 130.80 Mbit/s

95th percentile per-packet one-way delay: 93.725 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 120.05 Mbit/s

95th percentile per-packet one-way delay: 91.921 ms

Loss rate: 0.00%

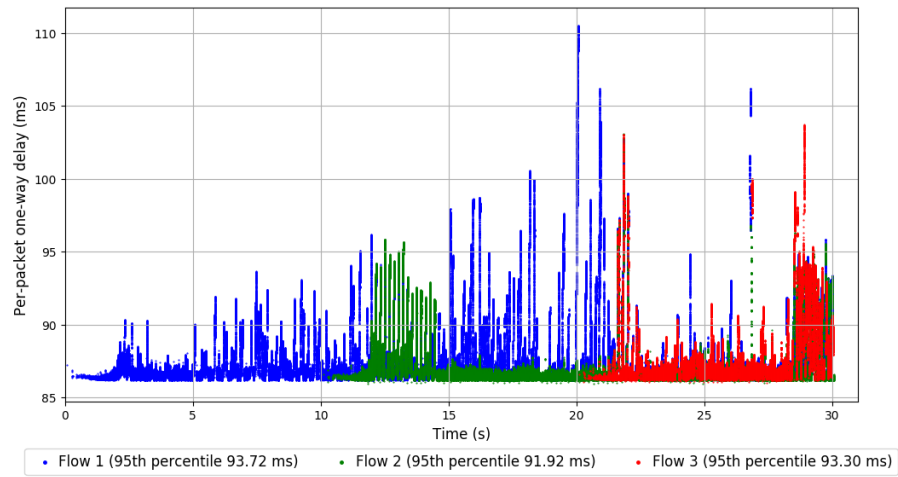
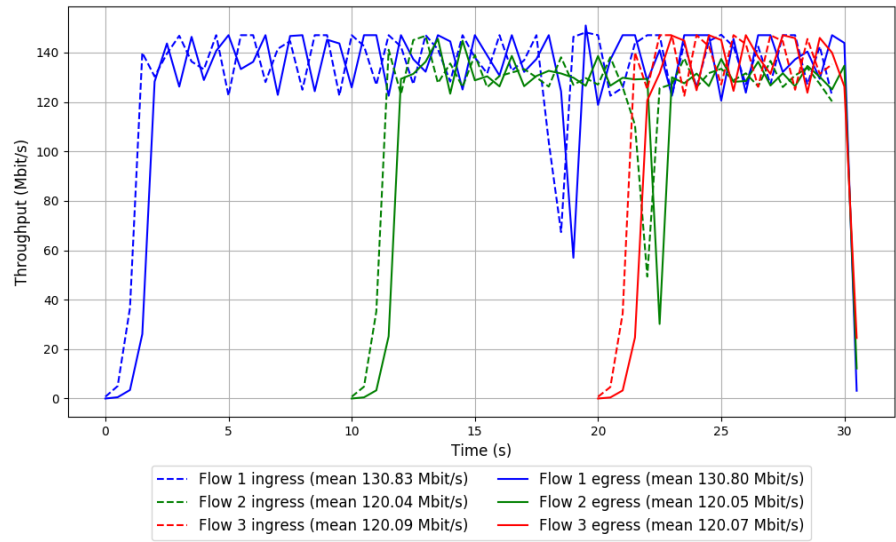
-- Flow 3:

Average throughput: 120.07 Mbit/s

95th percentile per-packet one-way delay: 93.300 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-18 07:24:33

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

Local clock offset: -0.409 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-07-18 07:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.76 Mbit/s

95th percentile per-packet one-way delay: 90.977 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 124.96 Mbit/s

95th percentile per-packet one-way delay: 89.898 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 117.15 Mbit/s

95th percentile per-packet one-way delay: 90.802 ms

Loss rate: 0.00%

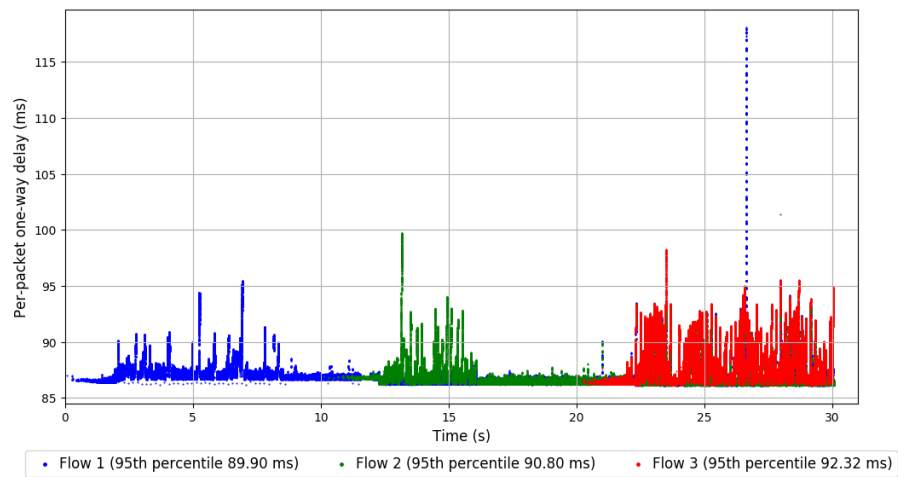
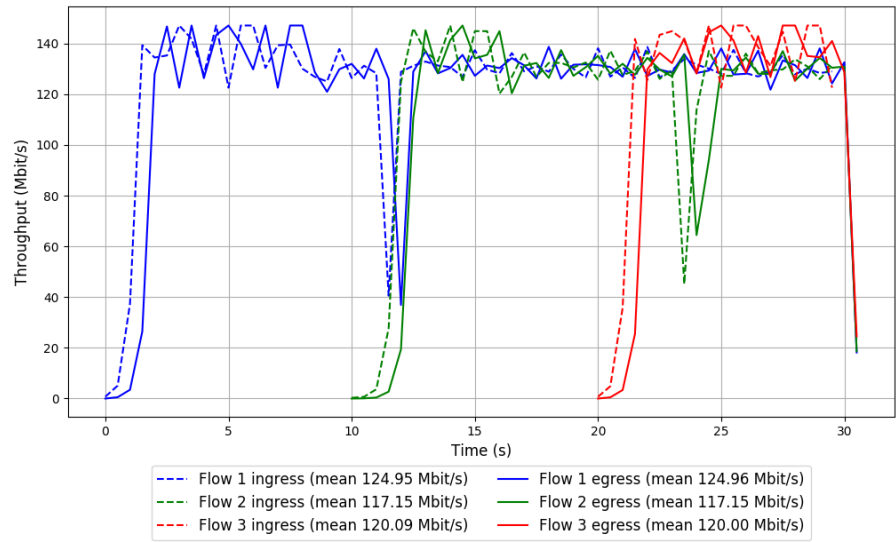
-- Flow 3:

Average throughput: 120.00 Mbit/s

95th percentile per-packet one-way delay: 92.323 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-18 03:24:01

End at: 2018-07-18 03:24:31

Local clock offset: -0.31 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-18 07:56:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.05 Mbit/s

95th percentile per-packet one-way delay: 101.451 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 122.13 Mbit/s

95th percentile per-packet one-way delay: 104.737 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.92 Mbit/s

95th percentile per-packet one-way delay: 99.541 ms

Loss rate: 0.00%

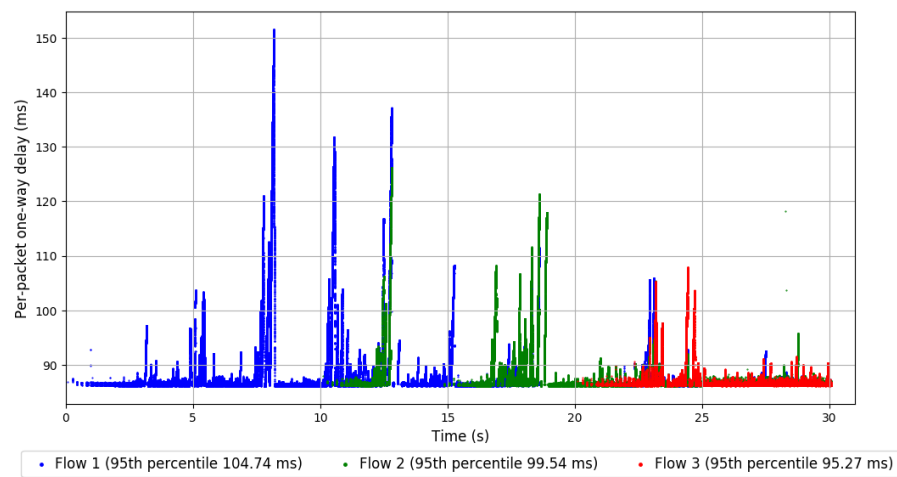
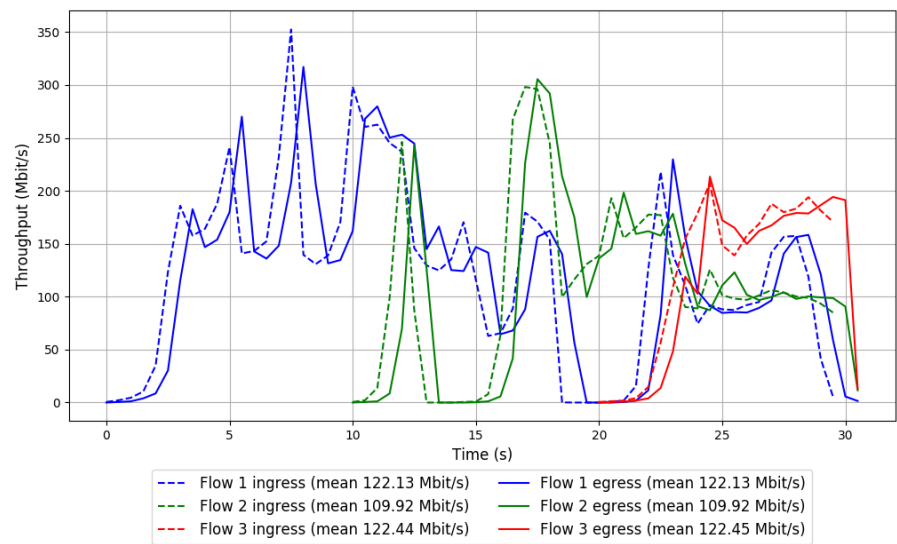
-- Flow 3:

Average throughput: 122.45 Mbit/s

95th percentile per-packet one-way delay: 95.268 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

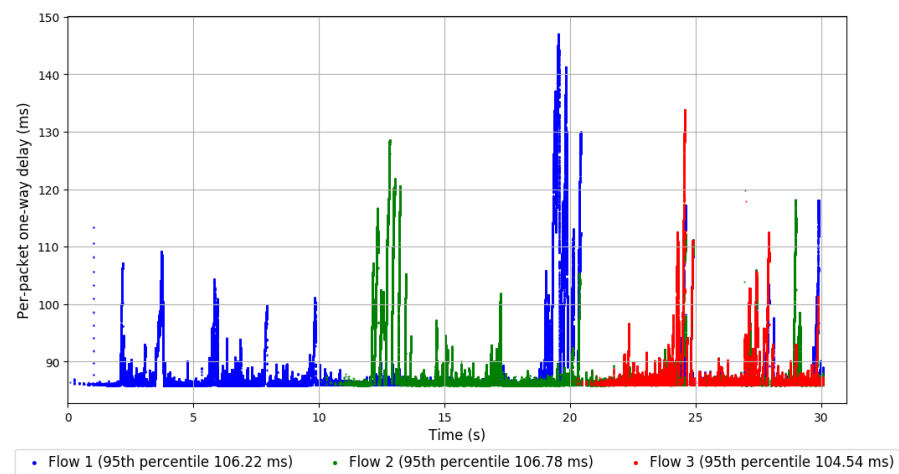
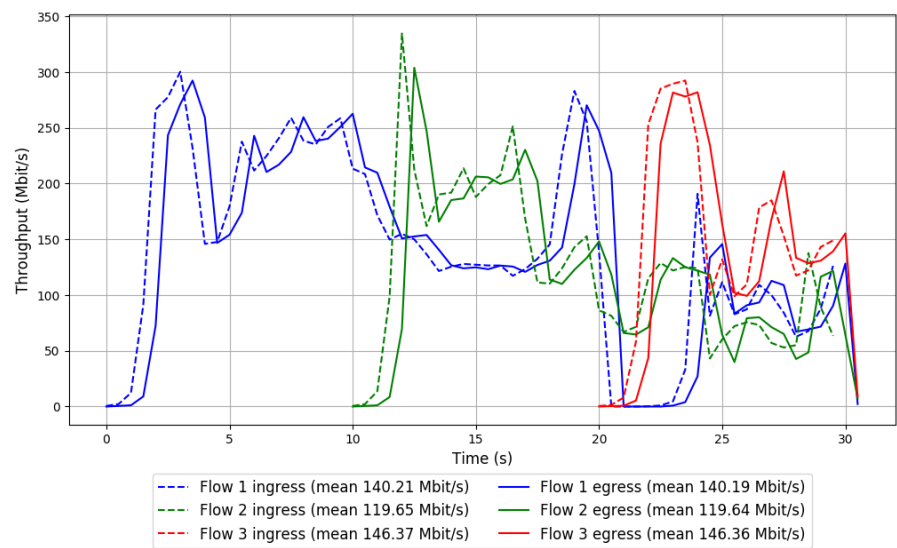


Run 2: Statistics of Copa

Start at: 2018-07-18 03:49:46
End at: 2018-07-18 03:50:16
Local clock offset: -0.128 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-18 07:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.50 Mbit/s
95th percentile per-packet one-way delay: 106.142 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 140.19 Mbit/s
95th percentile per-packet one-way delay: 106.225 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 119.64 Mbit/s
95th percentile per-packet one-way delay: 106.776 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.36 Mbit/s
95th percentile per-packet one-way delay: 104.540 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

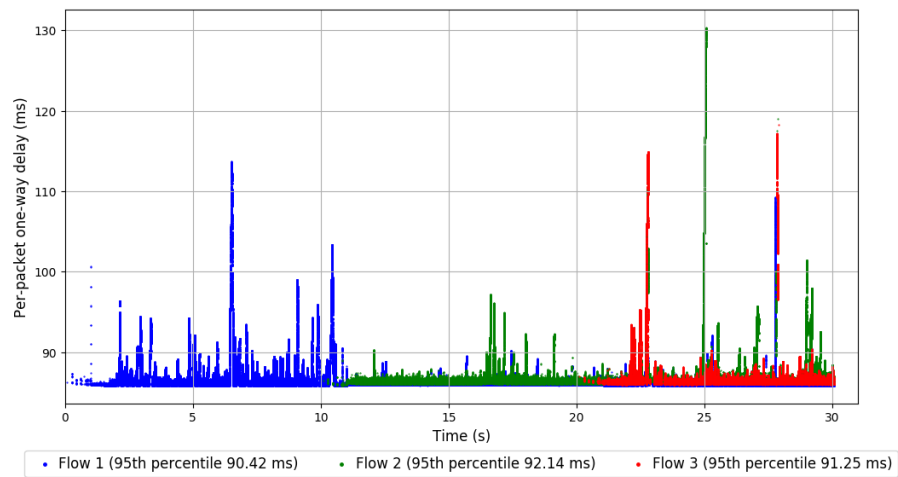
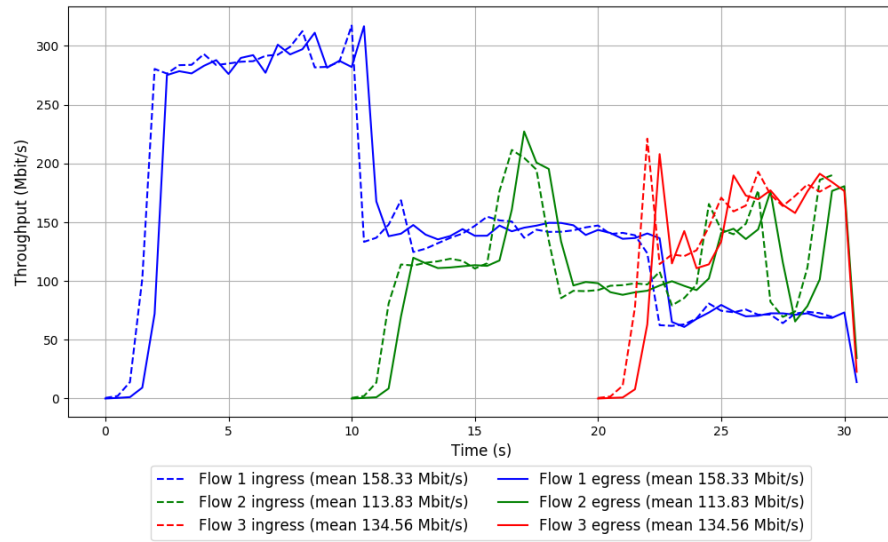


Run 3: Statistics of Copa

Start at: 2018-07-18 04:15:45
End at: 2018-07-18 04:16:15
Local clock offset: -0.09 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-18 07:58:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.82 Mbit/s
95th percentile per-packet one-way delay: 90.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.33 Mbit/s
95th percentile per-packet one-way delay: 90.415 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 113.83 Mbit/s
95th percentile per-packet one-way delay: 92.135 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.56 Mbit/s
95th percentile per-packet one-way delay: 91.248 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-18 04:41:43

End at: 2018-07-18 04:42:13

Local clock offset: 0.043 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-07-18 07:59:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.79 Mbit/s

95th percentile per-packet one-way delay: 113.456 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 168.71 Mbit/s

95th percentile per-packet one-way delay: 104.390 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 160.79 Mbit/s

95th percentile per-packet one-way delay: 111.906 ms

Loss rate: 0.00%

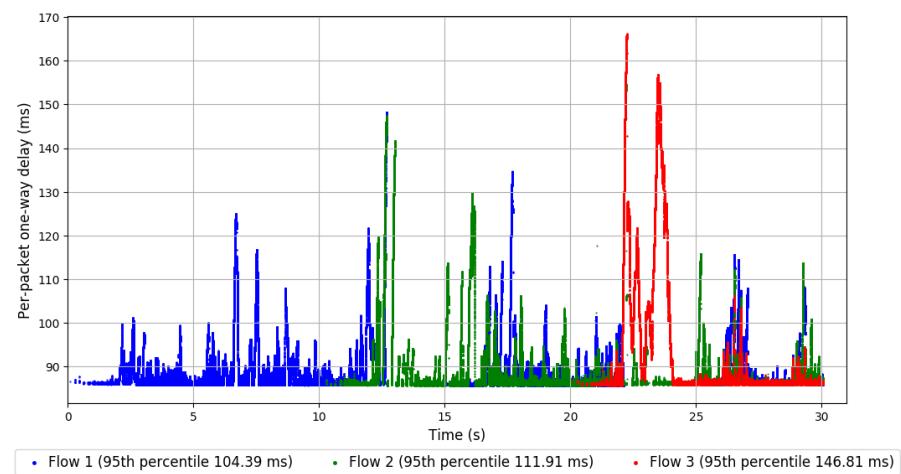
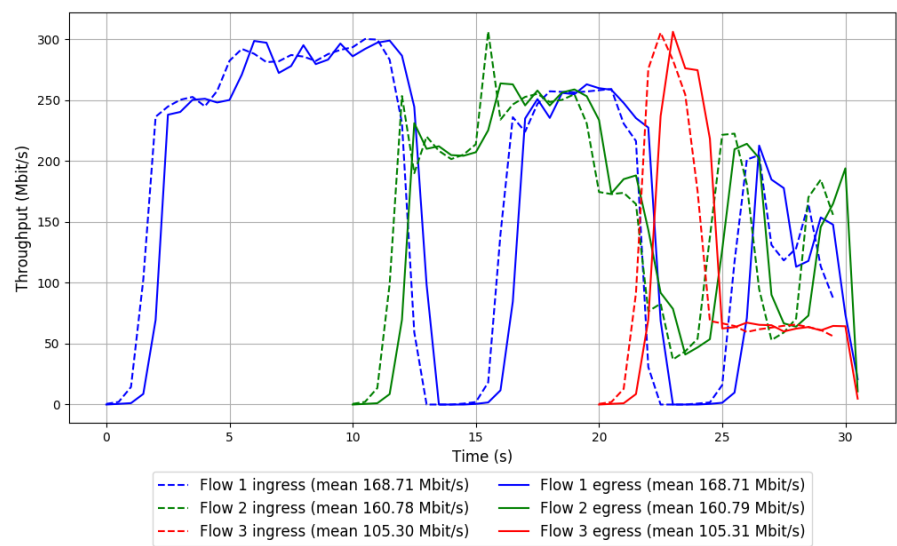
-- Flow 3:

Average throughput: 105.31 Mbit/s

95th percentile per-packet one-way delay: 146.813 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-18 05:07:47

End at: 2018-07-18 05:08:17

Local clock offset: -0.142 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-18 07:59:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.74 Mbit/s

95th percentile per-packet one-way delay: 102.312 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 140.98 Mbit/s

95th percentile per-packet one-way delay: 100.647 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 168.67 Mbit/s

95th percentile per-packet one-way delay: 105.456 ms

Loss rate: 0.01%

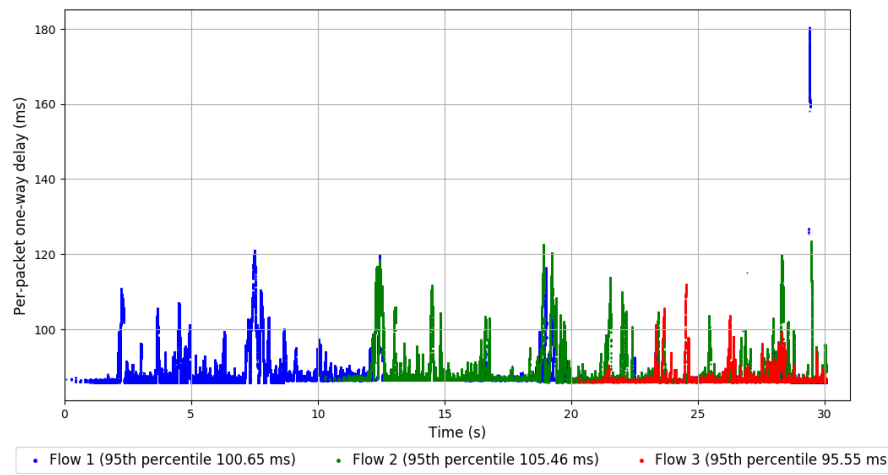
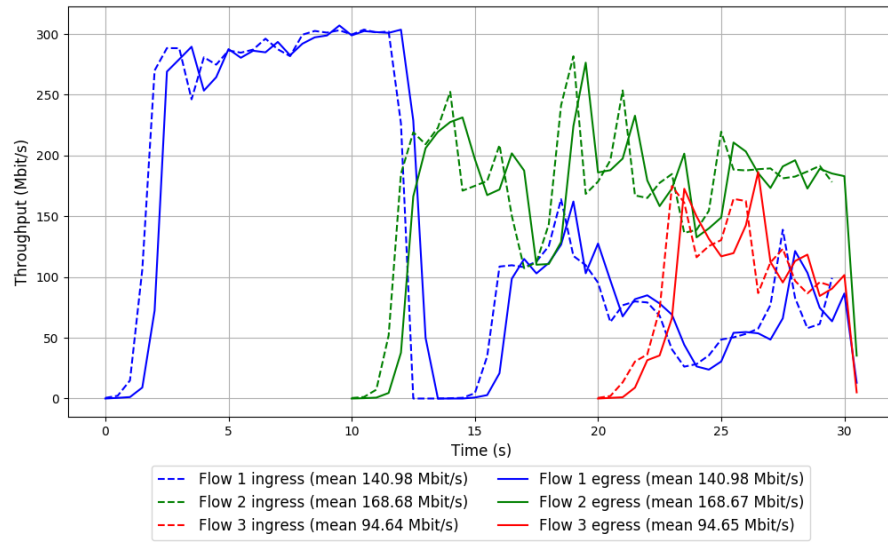
-- Flow 3:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 95.551 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

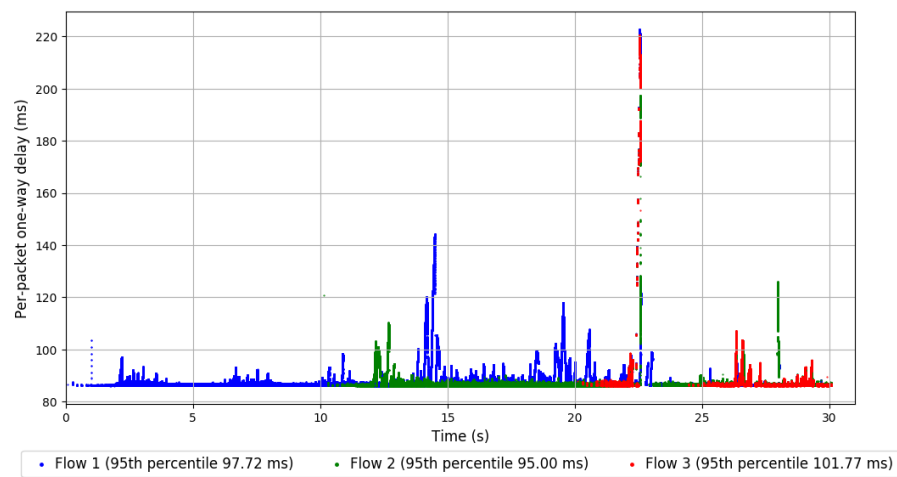
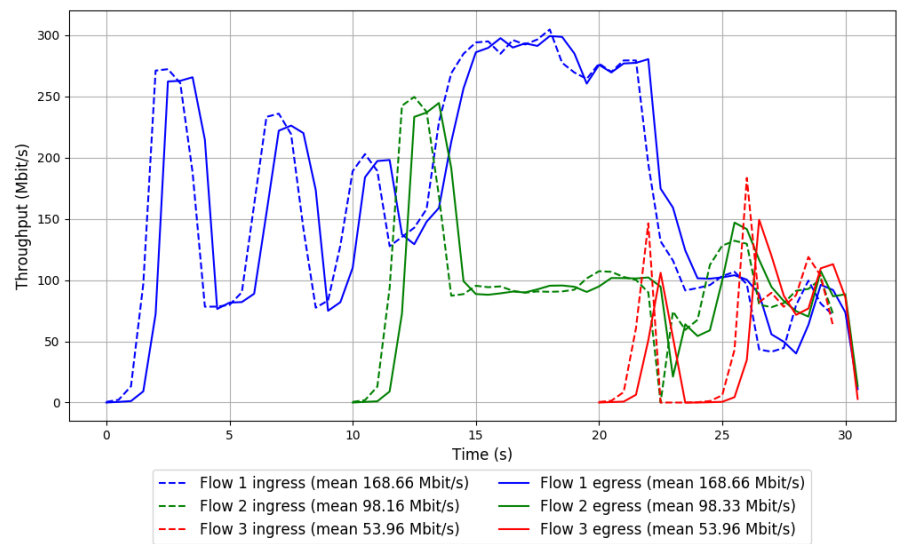


Run 6: Statistics of Copa

Start at: 2018-07-18 05:33:54
End at: 2018-07-18 05:34:24
Local clock offset: -0.352 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-18 07:59:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.90 Mbit/s
95th percentile per-packet one-way delay: 97.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.66 Mbit/s
95th percentile per-packet one-way delay: 97.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.33 Mbit/s
95th percentile per-packet one-way delay: 94.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: 101.773 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

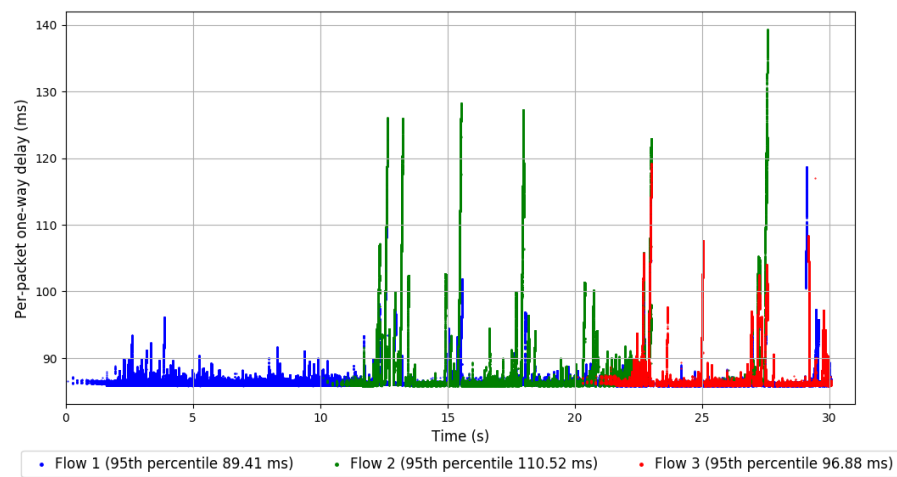
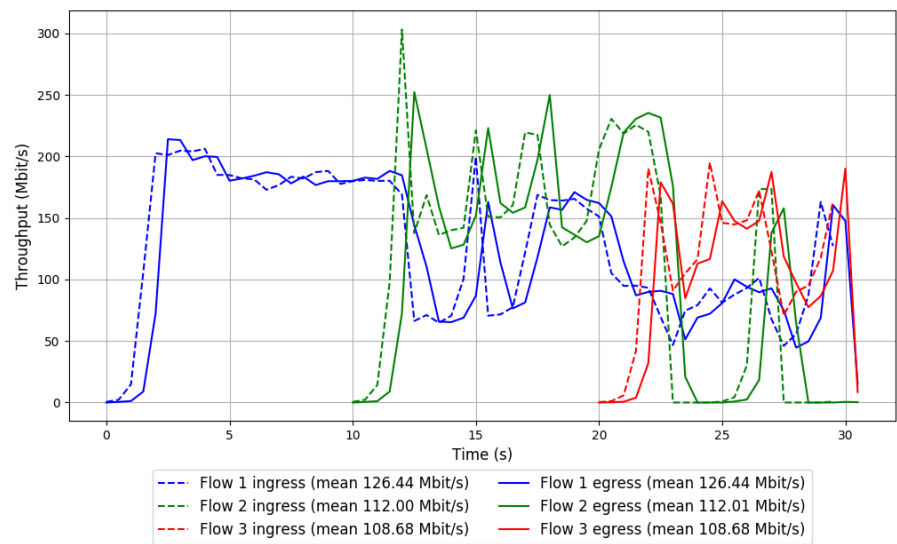


Run 7: Statistics of Copa

Start at: 2018-07-18 05:59:54
End at: 2018-07-18 06:00:24
Local clock offset: -0.236 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-18 08:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.04 Mbit/s
95th percentile per-packet one-way delay: 97.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.44 Mbit/s
95th percentile per-packet one-way delay: 89.410 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.01 Mbit/s
95th percentile per-packet one-way delay: 110.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 108.68 Mbit/s
95th percentile per-packet one-way delay: 96.878 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link

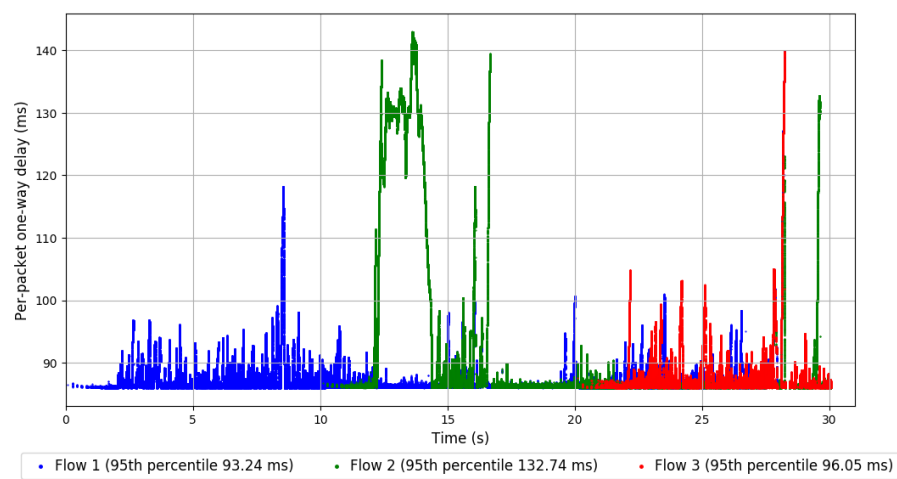
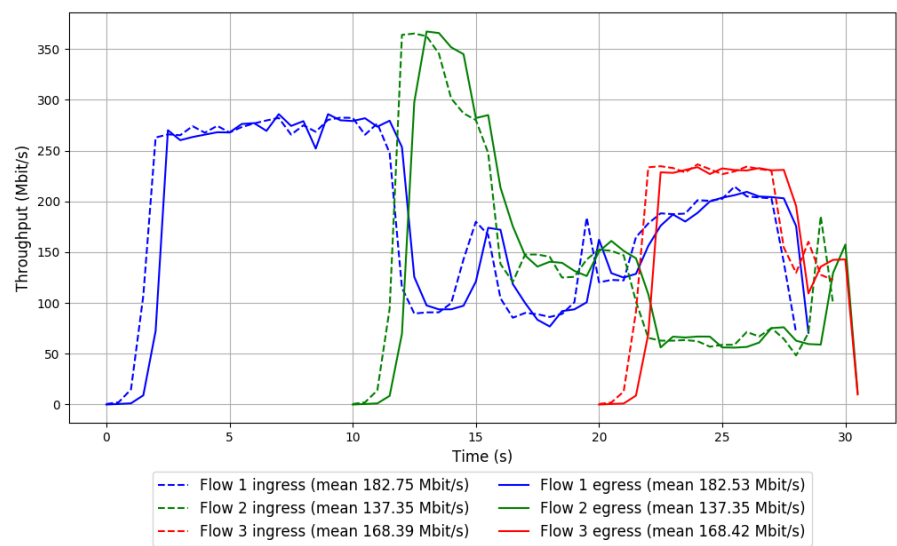


Run 8: Statistics of Copa

Start at: 2018-07-18 06:25:55
End at: 2018-07-18 06:26:25
Local clock offset: -0.312 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-18 08:04:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.88 Mbit/s
95th percentile per-packet one-way delay: 128.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.53 Mbit/s
95th percentile per-packet one-way delay: 93.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 137.35 Mbit/s
95th percentile per-packet one-way delay: 132.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.42 Mbit/s
95th percentile per-packet one-way delay: 96.051 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-18 06:51:57

End at: 2018-07-18 06:52:27

Local clock offset: -0.234 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-07-18 08:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.06 Mbit/s

95th percentile per-packet one-way delay: 100.229 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 135.83 Mbit/s

95th percentile per-packet one-way delay: 94.995 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 97.70 Mbit/s

95th percentile per-packet one-way delay: 107.441 ms

Loss rate: 0.00%

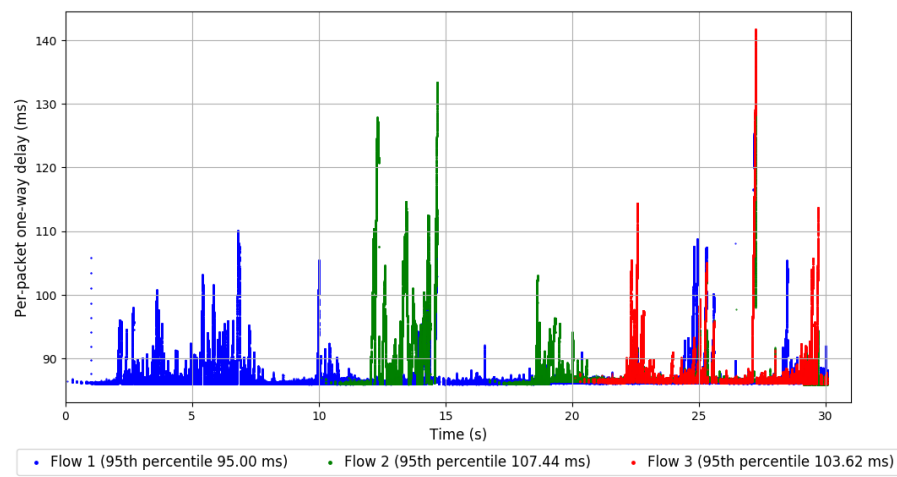
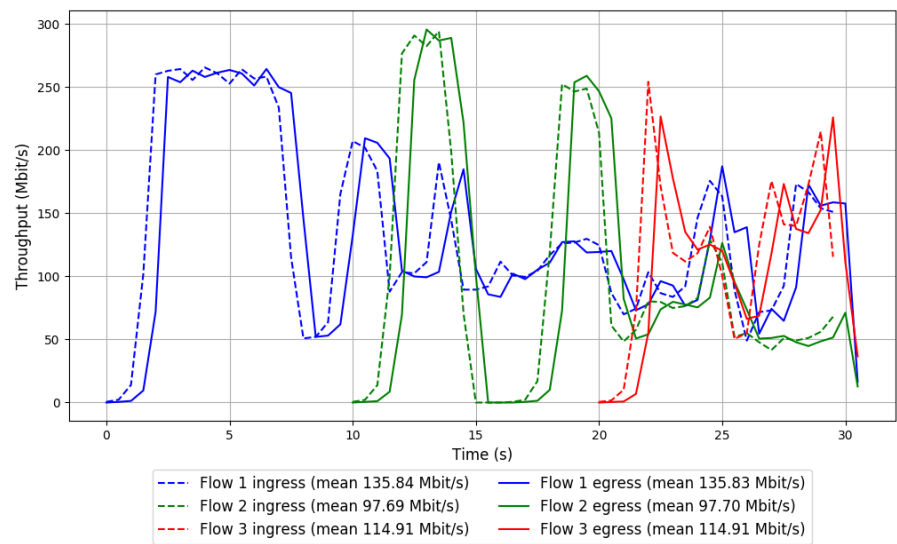
-- Flow 3:

Average throughput: 114.91 Mbit/s

95th percentile per-packet one-way delay: 103.622 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-18 07:17:54

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

Local clock offset: -0.154 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-07-18 08:08:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.08 Mbit/s

95th percentile per-packet one-way delay: 100.001 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 205.71 Mbit/s

95th percentile per-packet one-way delay: 102.279 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 125.23 Mbit/s

95th percentile per-packet one-way delay: 94.771 ms

Loss rate: 0.02%

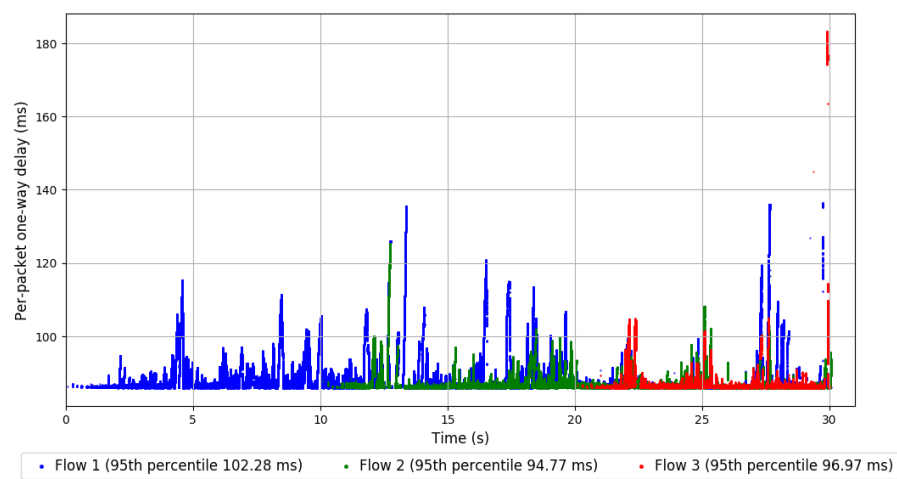
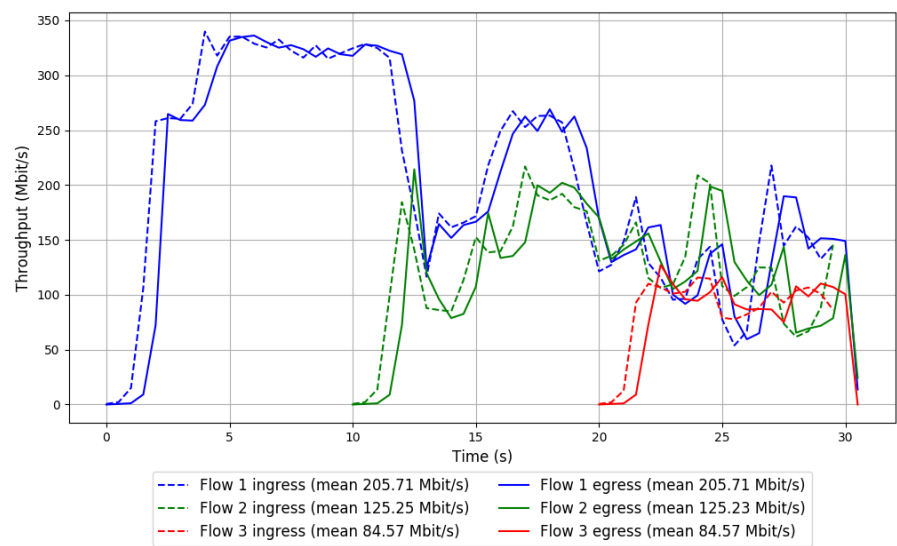
-- Flow 3:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 96.965 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

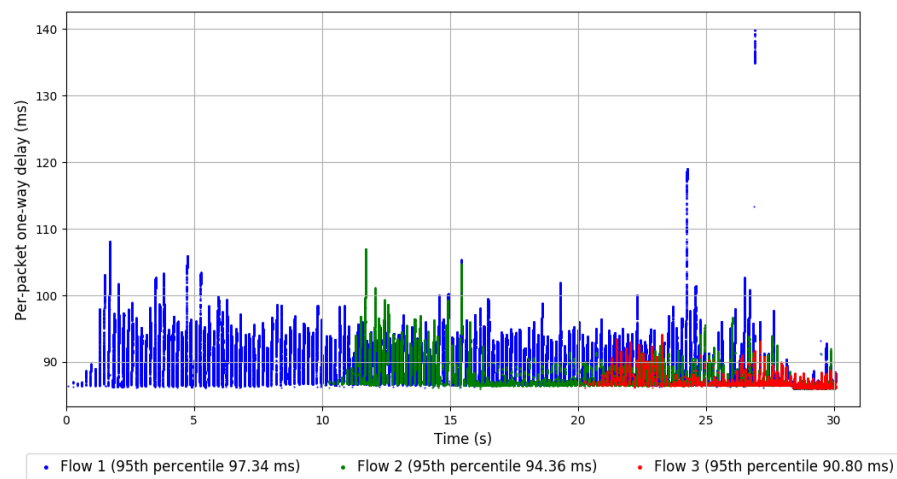
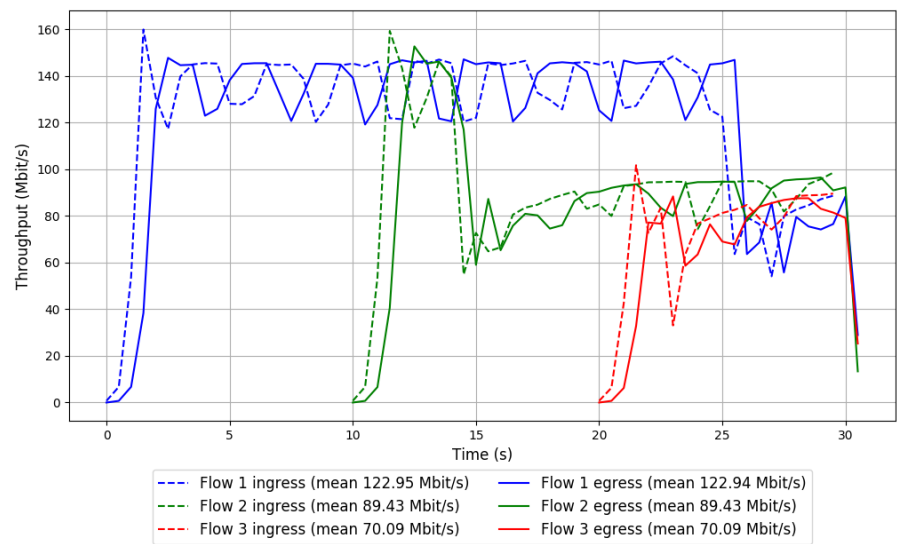


Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 03:22:37
End at: 2018-07-18 03:23:07
Local clock offset: -0.127 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-18 08:08:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.82 Mbit/s
95th percentile per-packet one-way delay: 96.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.94 Mbit/s
95th percentile per-packet one-way delay: 97.339 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 94.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 90.796 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

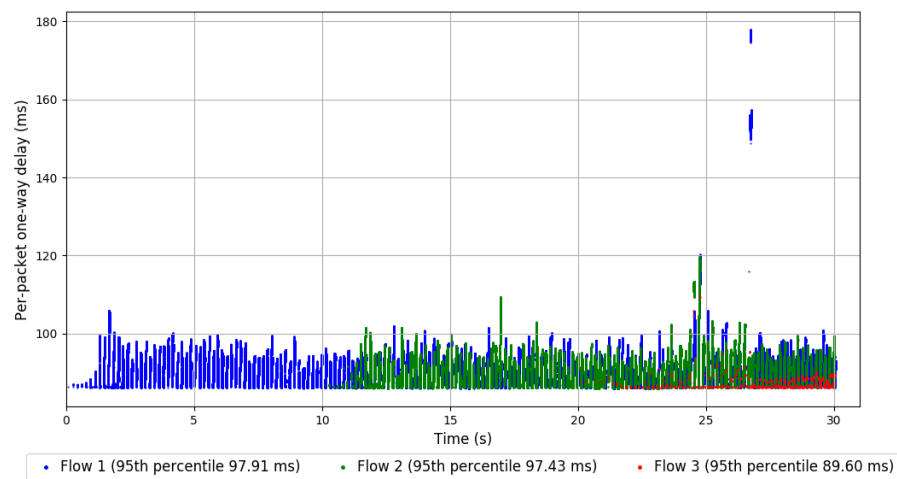
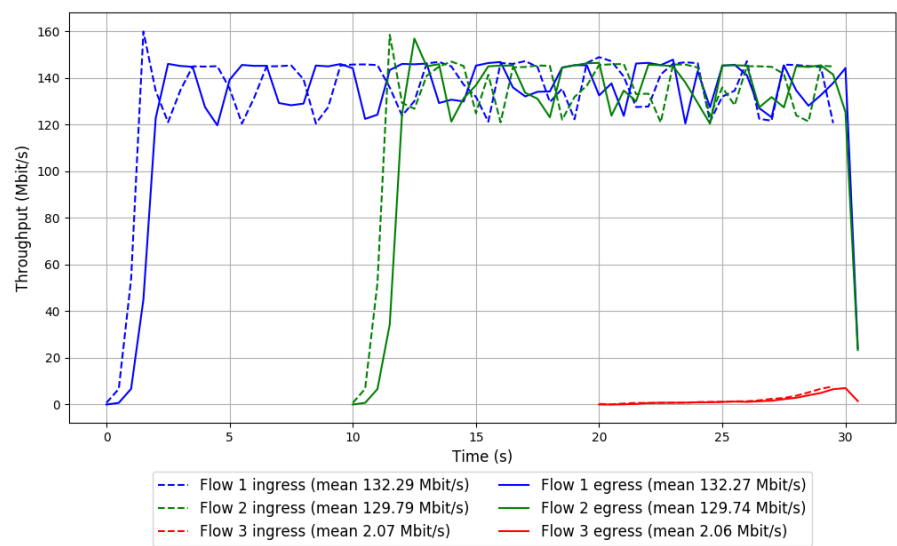


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 03:48:22
End at: 2018-07-18 03:48:52
Local clock offset: -0.152 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-18 08:08:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.20 Mbit/s
95th percentile per-packet one-way delay: 97.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.27 Mbit/s
95th percentile per-packet one-way delay: 97.907 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.74 Mbit/s
95th percentile per-packet one-way delay: 97.426 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 89.599 ms
Loss rate: 0.58%

Run 2: Report of TCP Cubic — Data Link

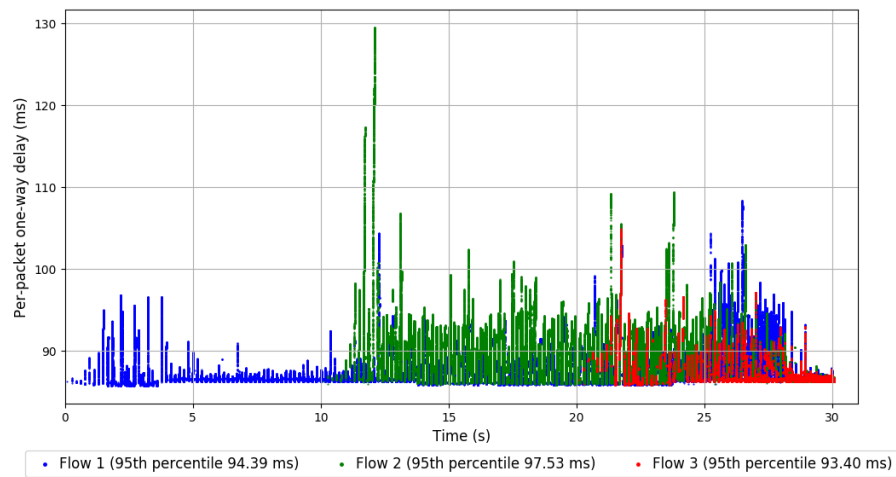
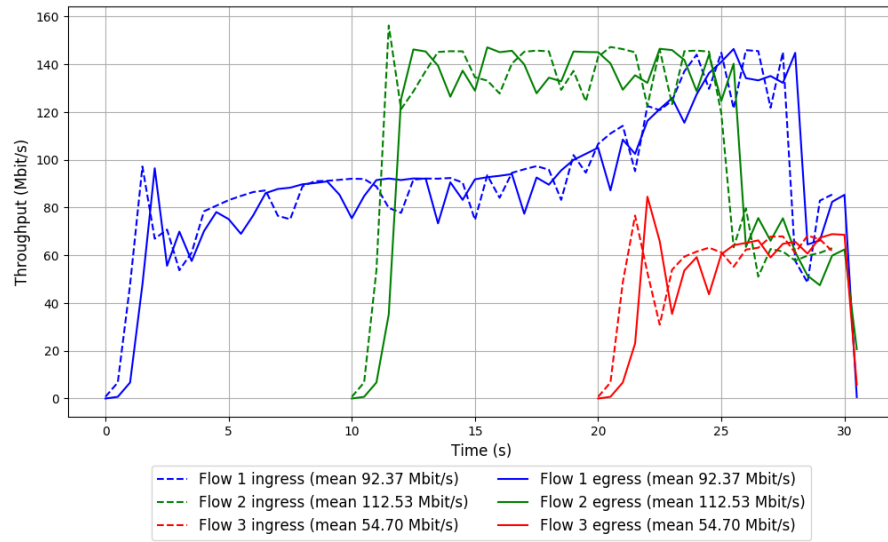


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 04:14:22
End at: 2018-07-18 04:14:52
Local clock offset: 0.059 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-18 08:08:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.37 Mbit/s
95th percentile per-packet one-way delay: 95.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 94.387 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.53 Mbit/s
95th percentile per-packet one-way delay: 97.533 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 93.404 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 04:40:21

End at: 2018-07-18 04:40:51

Local clock offset: 0.01 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-18 08:08:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 184.96 Mbit/s

95th percentile per-packet one-way delay: 92.443 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 112.77 Mbit/s

95th percentile per-packet one-way delay: 92.889 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.41 Mbit/s

95th percentile per-packet one-way delay: 91.501 ms

Loss rate: 0.00%

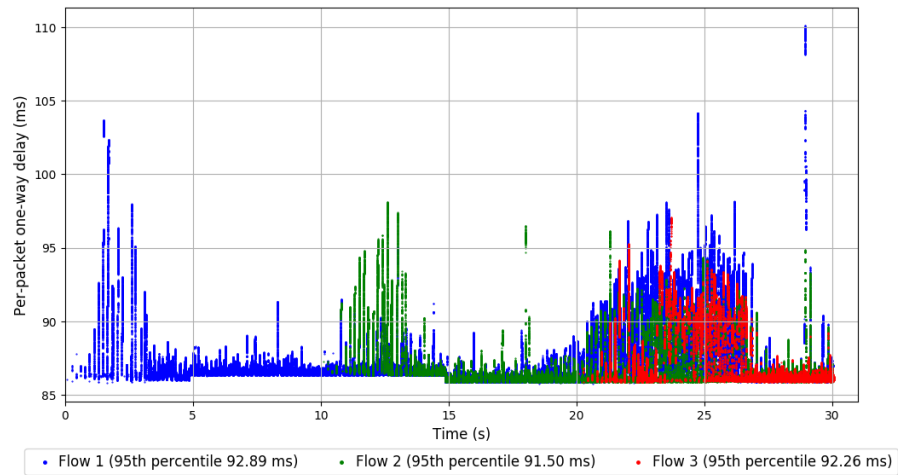
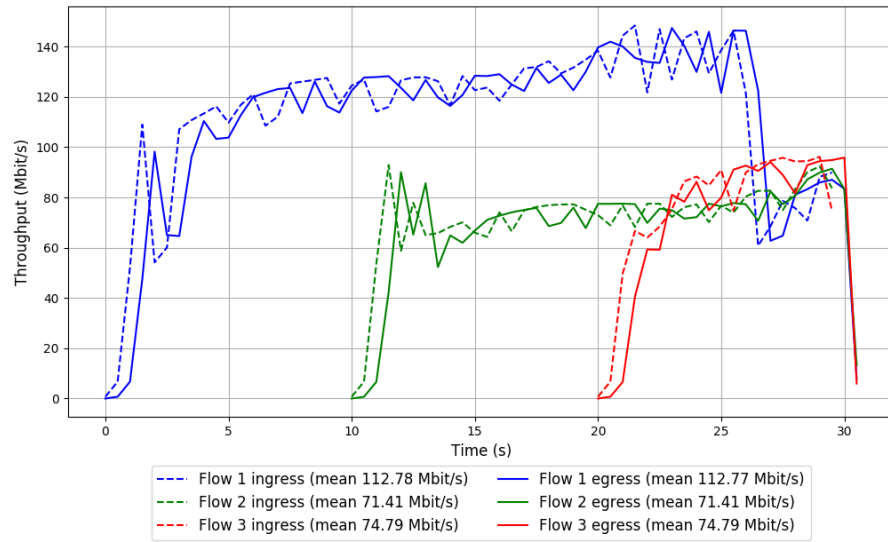
-- Flow 3:

Average throughput: 74.79 Mbit/s

95th percentile per-packet one-way delay: 92.258 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 05:06:27

End at: 2018-07-18 05:06:57

Local clock offset: -0.213 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-18 08:08:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 130.75 Mbit/s

95th percentile per-packet one-way delay: 95.433 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 80.65 Mbit/s

95th percentile per-packet one-way delay: 96.150 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.30 Mbit/s

95th percentile per-packet one-way delay: 93.509 ms

Loss rate: 0.02%

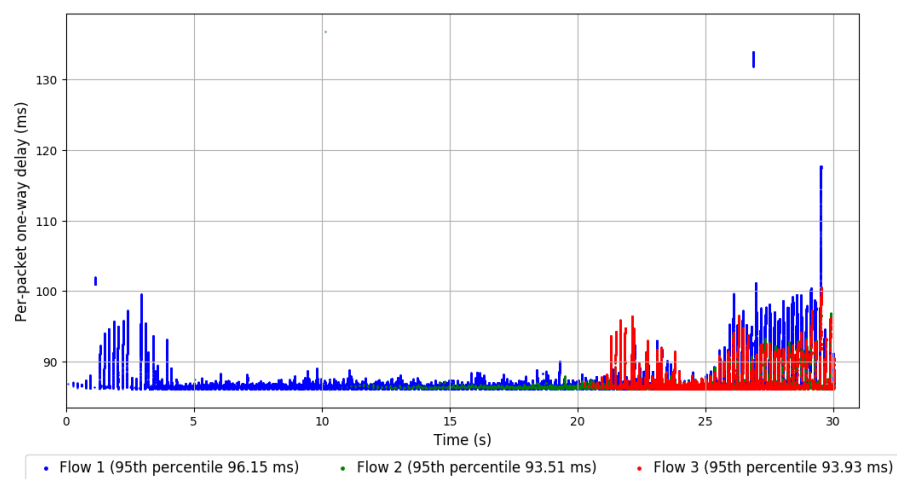
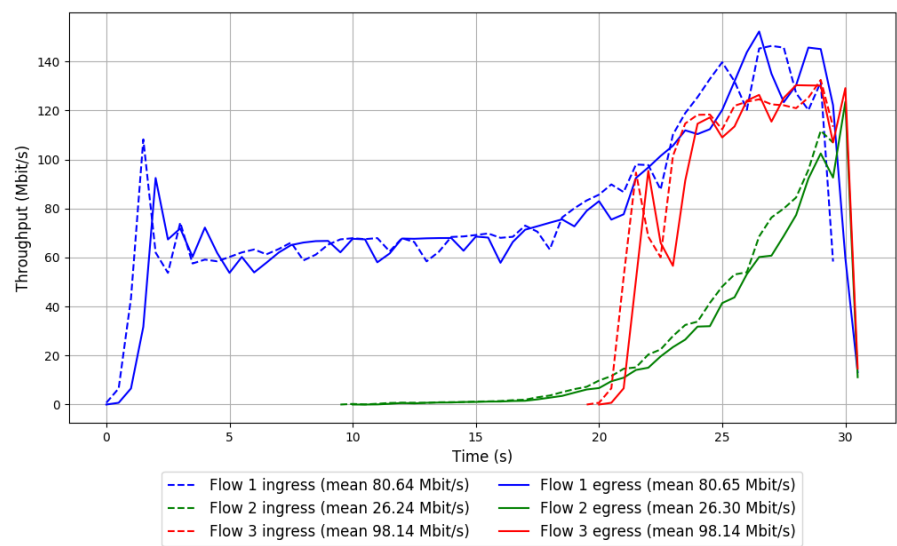
-- Flow 3:

Average throughput: 98.14 Mbit/s

95th percentile per-packet one-way delay: 93.926 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

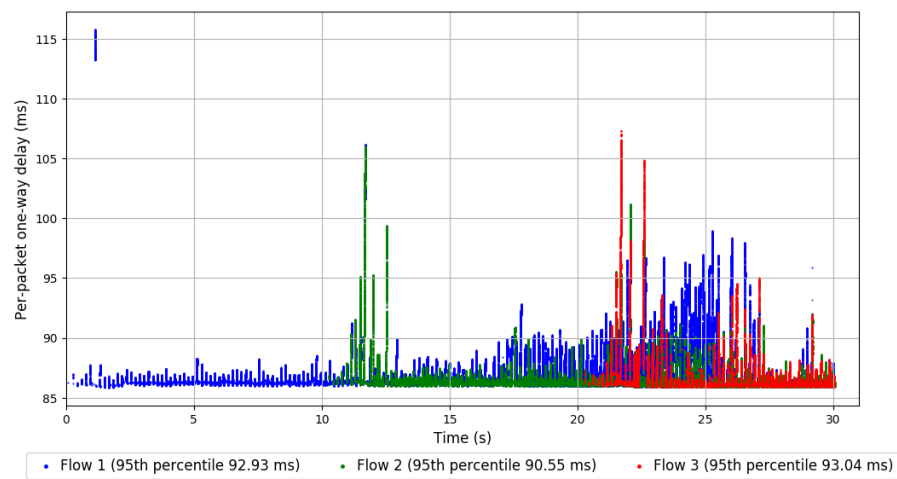
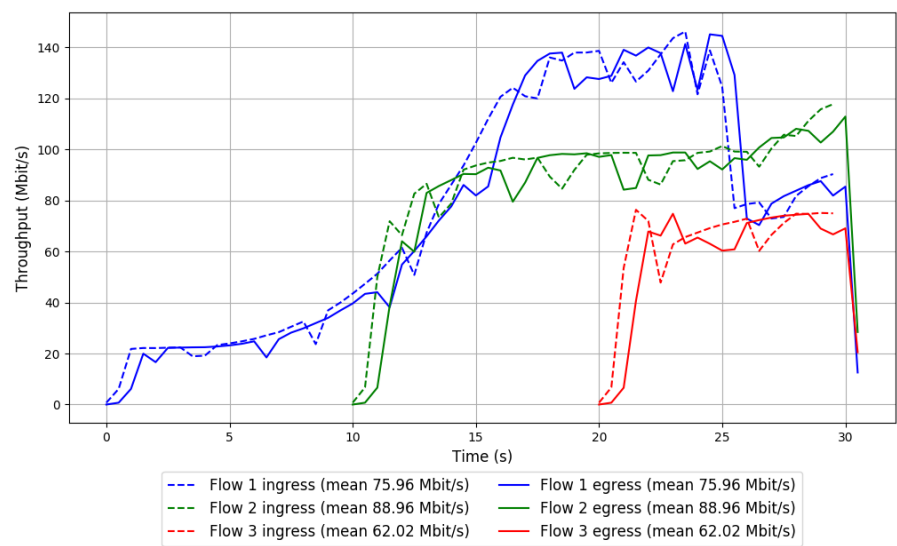


Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 05:32:33
End at: 2018-07-18 05:33:03
Local clock offset: -0.171 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-18 08:08:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.76 Mbit/s
95th percentile per-packet one-way delay: 92.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.96 Mbit/s
95th percentile per-packet one-way delay: 92.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 90.553 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 93.038 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

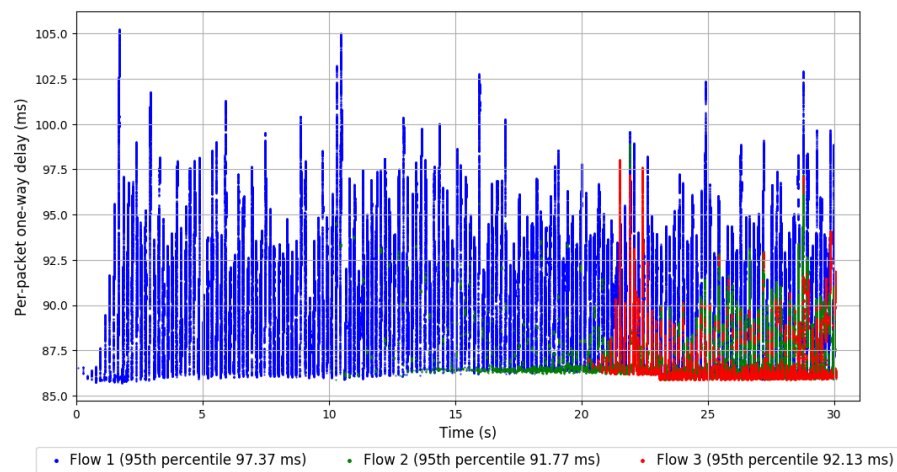
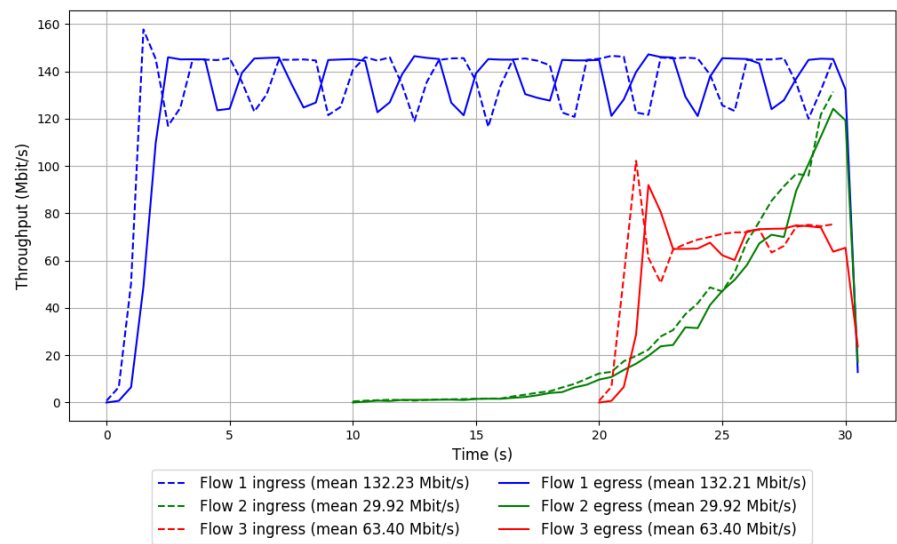


Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 05:58:33
End at: 2018-07-18 05:59:03
Local clock offset: 0.01 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-18 08:08:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.98 Mbit/s
95th percentile per-packet one-way delay: 96.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.21 Mbit/s
95th percentile per-packet one-way delay: 97.371 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 91.774 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 63.40 Mbit/s
95th percentile per-packet one-way delay: 92.129 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

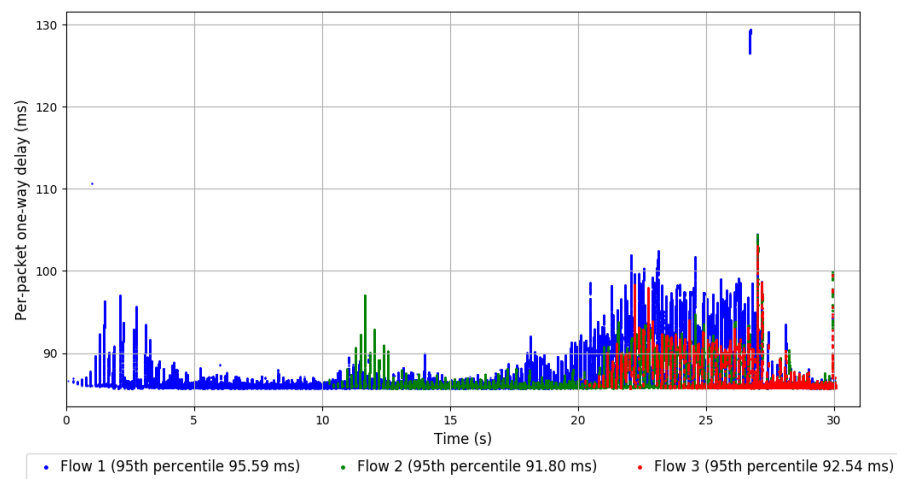
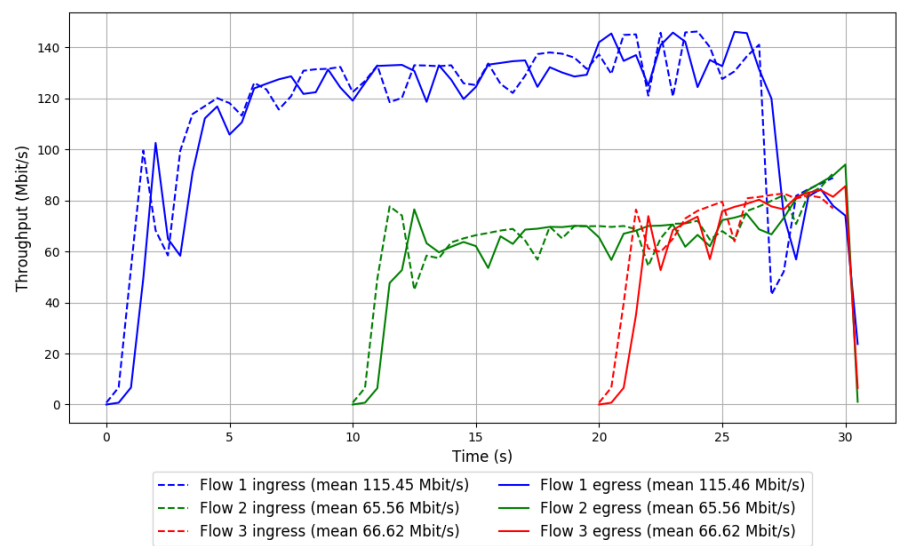


Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 06:24:33
End at: 2018-07-18 06:25:03
Local clock offset: -0.088 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-18 08:08:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 181.23 Mbit/s
95th percentile per-packet one-way delay: 94.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.46 Mbit/s
95th percentile per-packet one-way delay: 95.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 91.798 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 92.540 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 06:50:36

End at: 2018-07-18 06:51:06

Local clock offset: -0.223 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-07-18 08:08:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.62 Mbit/s

95th percentile per-packet one-way delay: 95.931 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 81.62 Mbit/s

95th percentile per-packet one-way delay: 93.452 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 129.73 Mbit/s

95th percentile per-packet one-way delay: 96.734 ms

Loss rate: 0.00%

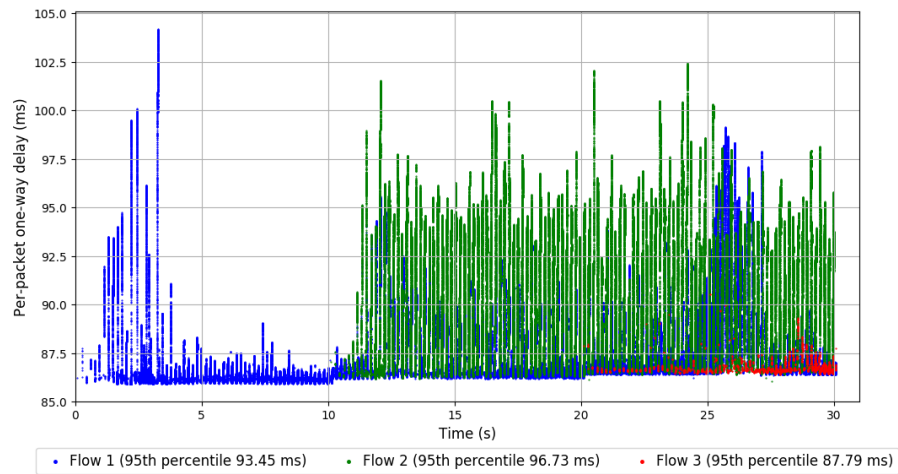
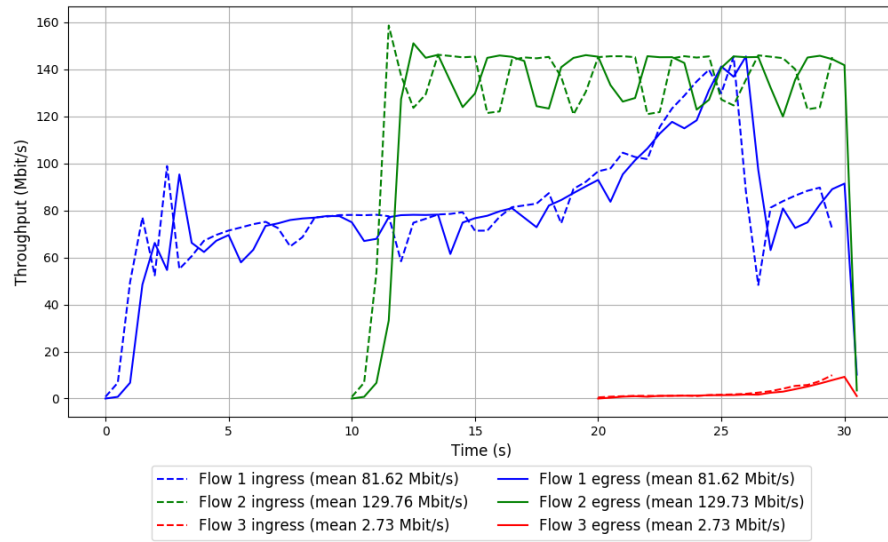
-- Flow 3:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 87.789 ms

Loss rate: 0.22%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 07:16:32

End at: 2018-07-18 07:17:02

Local clock offset: -0.119 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-07-18 08:08:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 176.35 Mbit/s

95th percentile per-packet one-way delay: 94.582 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 92.94 Mbit/s

95th percentile per-packet one-way delay: 95.990 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 93.185 ms

Loss rate: 0.00%

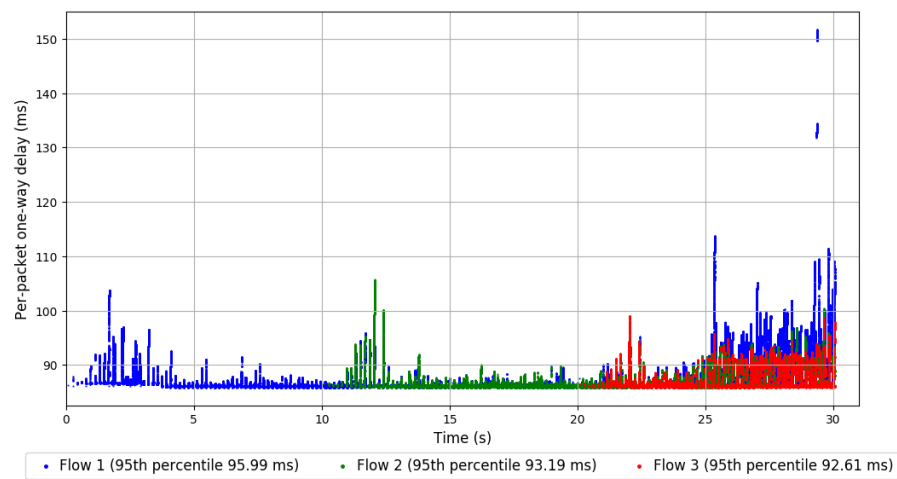
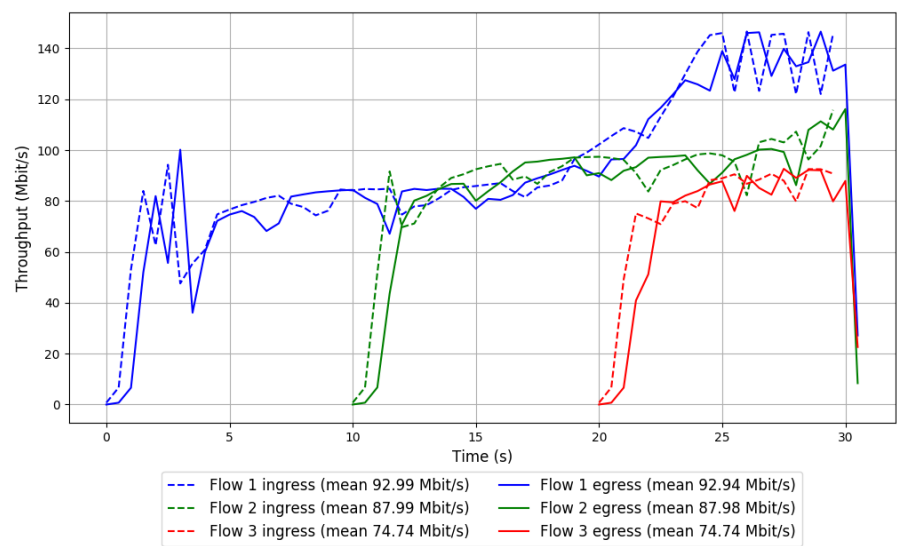
-- Flow 3:

Average throughput: 74.74 Mbit/s

95th percentile per-packet one-way delay: 92.608 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-18 03:11:54

End at: 2018-07-18 03:12:24

Local clock offset: -0.327 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-18 08:28:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1126.06 Mbit/s

95th percentile per-packet one-way delay: 242.878 ms

Loss rate: 6.23%

-- Flow 1:

Average throughput: 605.38 Mbit/s

95th percentile per-packet one-way delay: 220.651 ms

Loss rate: 7.07%

-- Flow 2:

Average throughput: 552.76 Mbit/s

95th percentile per-packet one-way delay: 230.671 ms

Loss rate: 5.67%

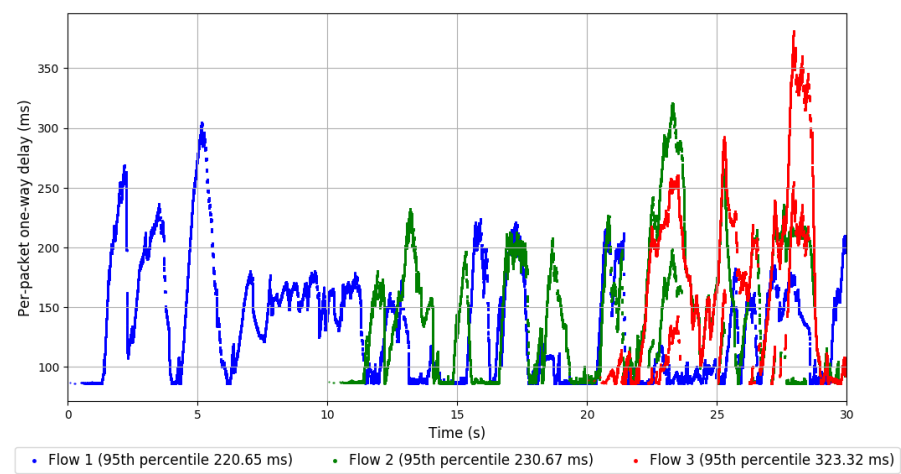
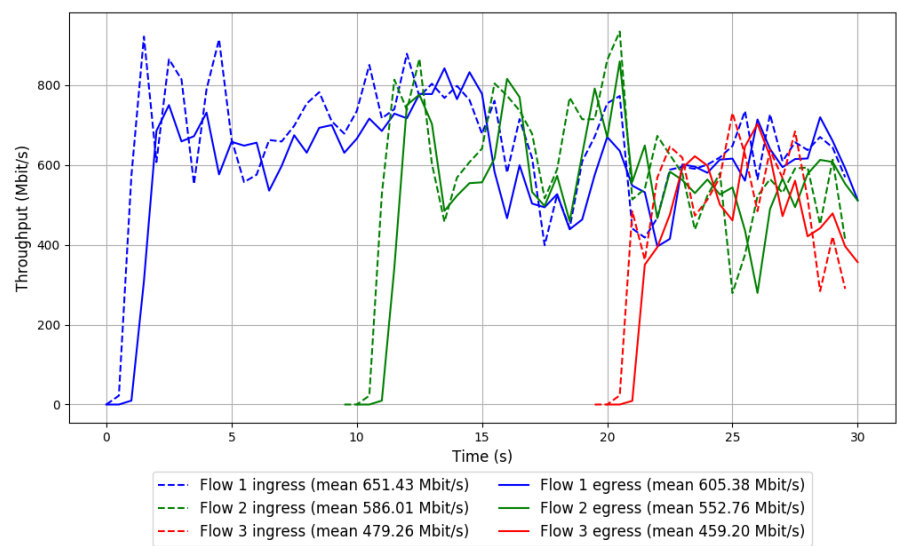
-- Flow 3:

Average throughput: 459.20 Mbit/s

95th percentile per-packet one-way delay: 323.324 ms

Loss rate: 4.18%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-18 03:37:32

End at: 2018-07-18 03:38:02

Local clock offset: 0.024 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-18 08:28:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1147.71 Mbit/s

95th percentile per-packet one-way delay: 203.706 ms

Loss rate: 8.99%

-- Flow 1:

Average throughput: 575.47 Mbit/s

95th percentile per-packet one-way delay: 210.014 ms

Loss rate: 9.67%

-- Flow 2:

Average throughput: 595.44 Mbit/s

95th percentile per-packet one-way delay: 204.961 ms

Loss rate: 9.39%

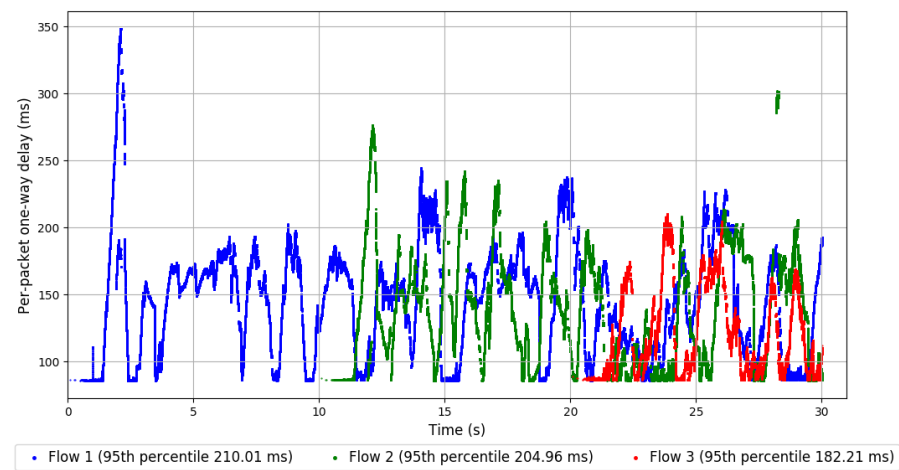
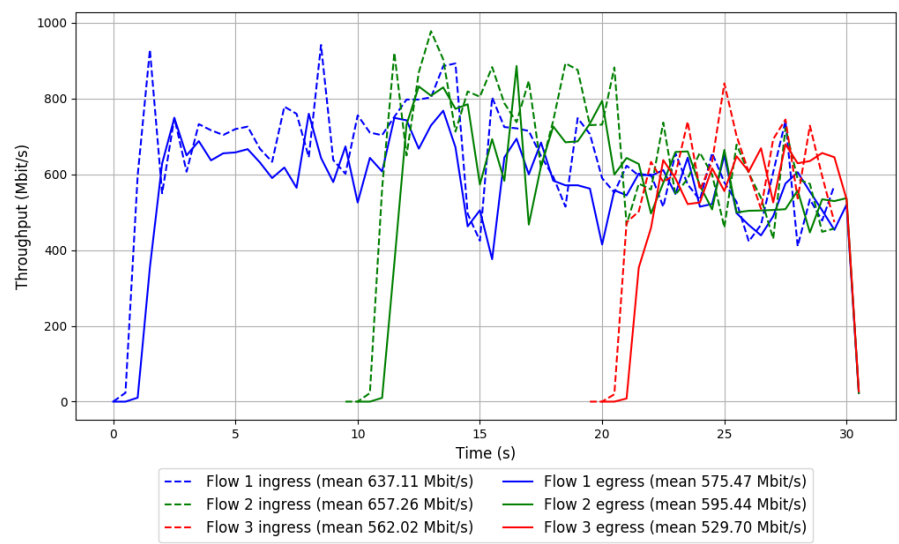
-- Flow 3:

Average throughput: 529.70 Mbit/s

95th percentile per-packet one-way delay: 182.214 ms

Loss rate: 5.75%

Run 2: Report of FillP — Data Link

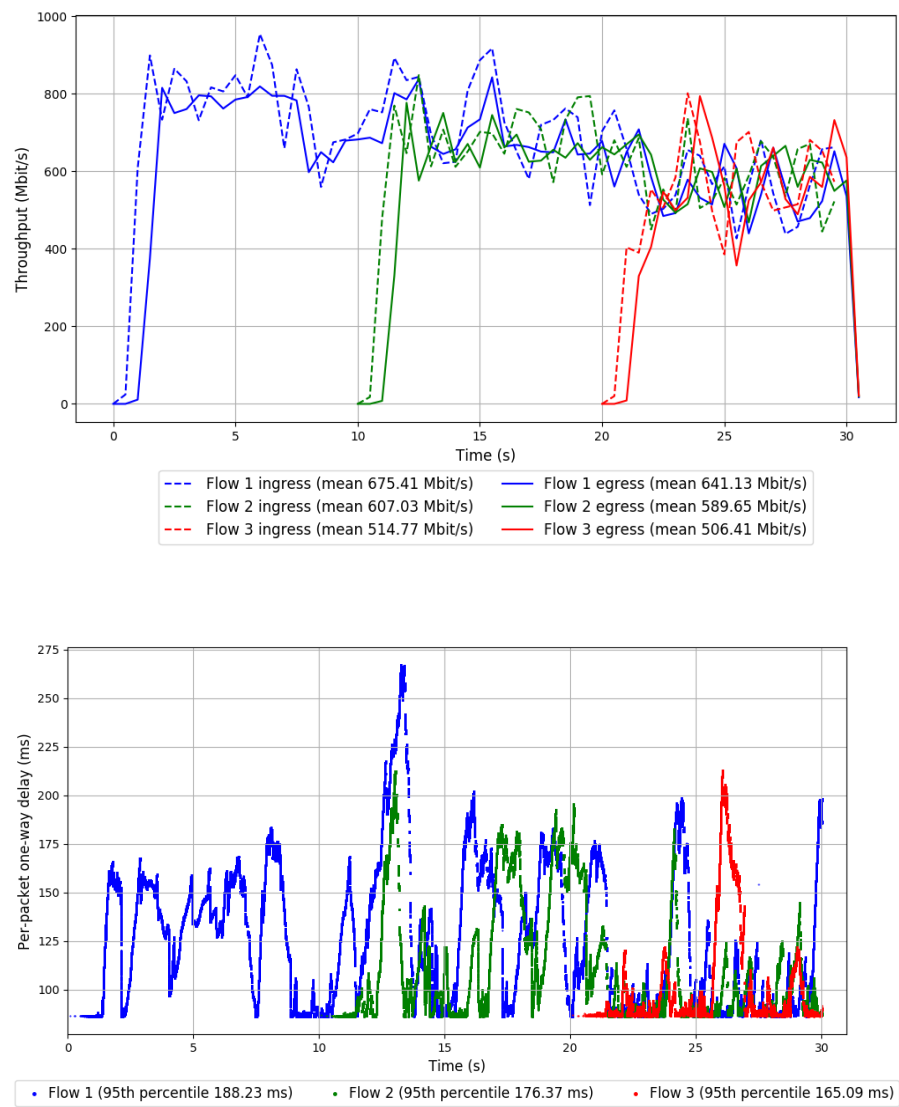


Run 3: Statistics of FillP

Start at: 2018-07-18 04:03:30
End at: 2018-07-18 04:04:00
Local clock offset: -0.224 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-18 08:30:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1201.10 Mbit/s
95th percentile per-packet one-way delay: 179.563 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 641.13 Mbit/s
95th percentile per-packet one-way delay: 188.232 ms
Loss rate: 5.07%
-- Flow 2:
Average throughput: 589.65 Mbit/s
95th percentile per-packet one-way delay: 176.370 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 506.41 Mbit/s
95th percentile per-packet one-way delay: 165.089 ms
Loss rate: 1.61%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-18 04:29:31

End at: 2018-07-18 04:30:01

Local clock offset: -0.086 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-18 08:30:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 1197.13 Mbit/s

95th percentile per-packet one-way delay: 231.320 ms

Loss rate: 6.06%

-- Flow 1:

Average throughput: 638.35 Mbit/s

95th percentile per-packet one-way delay: 191.271 ms

Loss rate: 6.87%

-- Flow 2:

Average throughput: 588.58 Mbit/s

95th percentile per-packet one-way delay: 290.762 ms

Loss rate: 4.94%

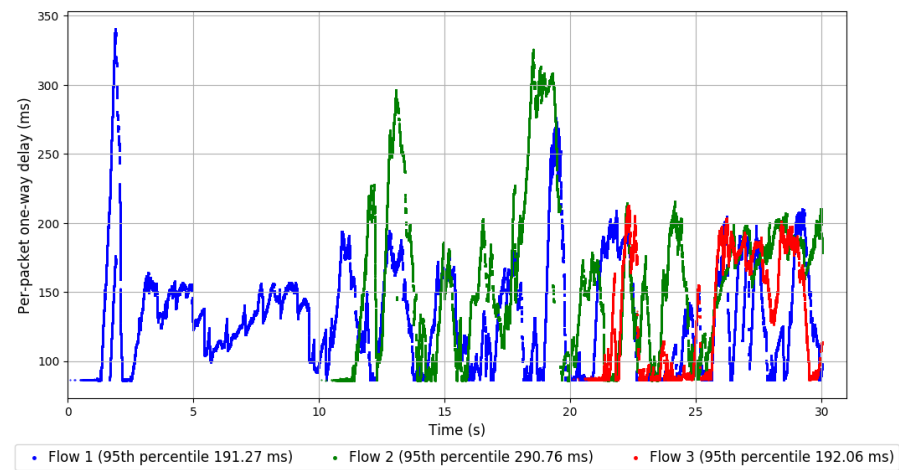
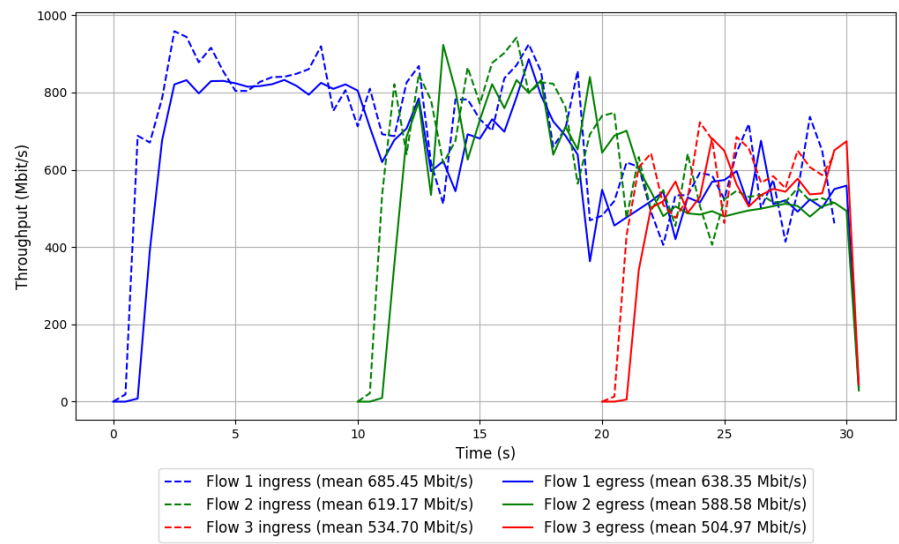
-- Flow 3:

Average throughput: 504.97 Mbit/s

95th percentile per-packet one-way delay: 192.058 ms

Loss rate: 5.56%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-18 04:55:39

End at: 2018-07-18 04:56:09

Local clock offset: -0.319 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-18 08:30:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 1155.47 Mbit/s

95th percentile per-packet one-way delay: 252.108 ms

Loss rate: 6.13%

-- Flow 1:

Average throughput: 652.21 Mbit/s

95th percentile per-packet one-way delay: 192.241 ms

Loss rate: 5.08%

-- Flow 2:

Average throughput: 547.72 Mbit/s

95th percentile per-packet one-way delay: 233.600 ms

Loss rate: 7.97%

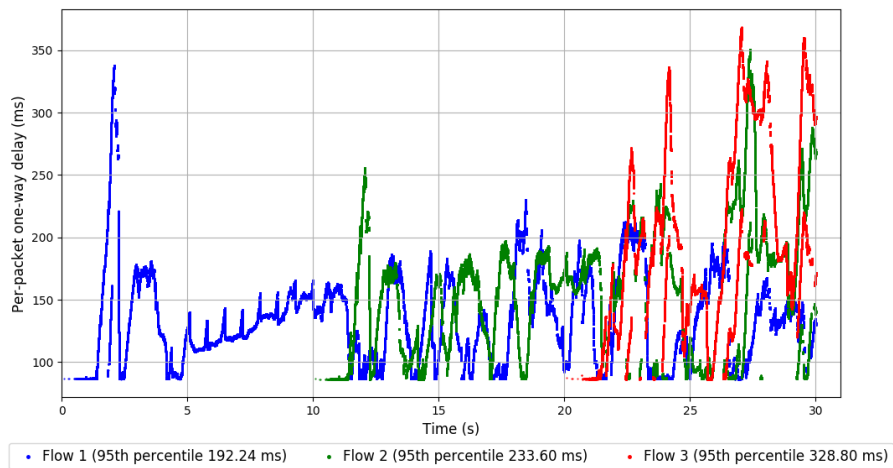
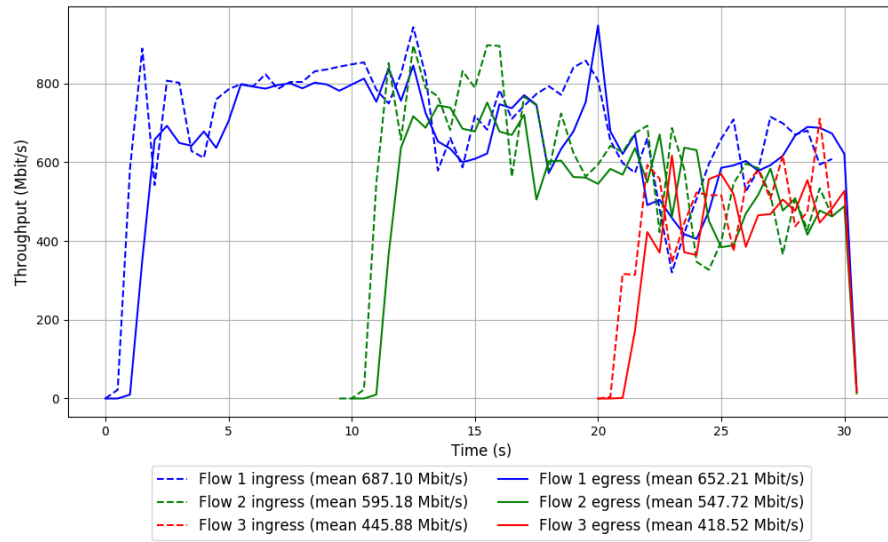
-- Flow 3:

Average throughput: 418.52 Mbit/s

95th percentile per-packet one-way delay: 328.803 ms

Loss rate: 6.14%

Run 5: Report of FillP — Data Link

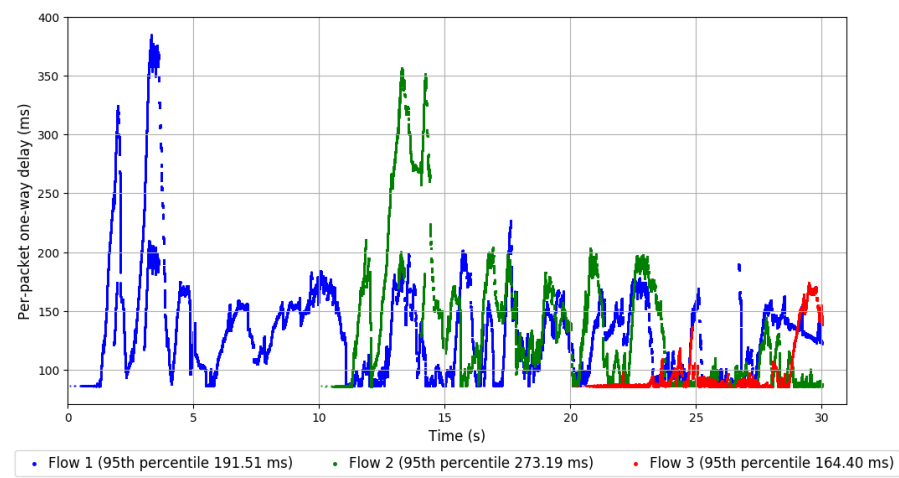
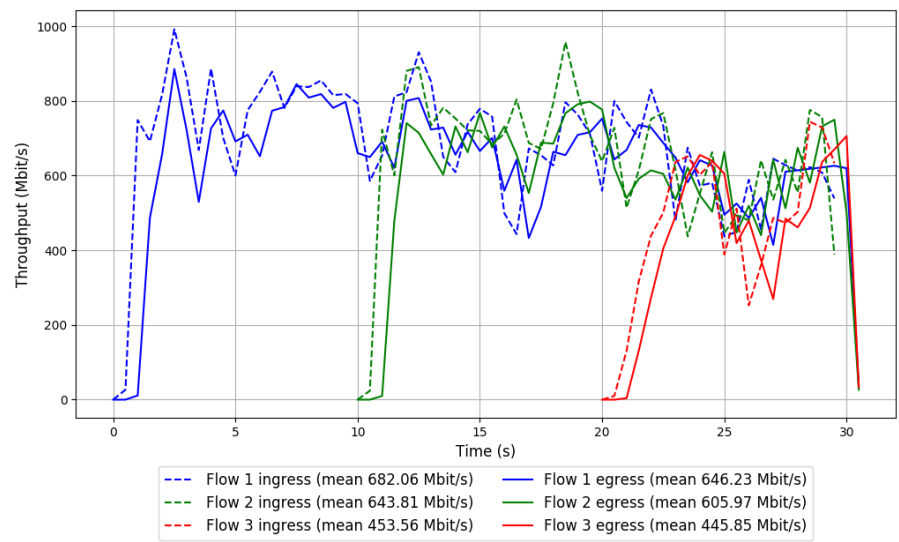


Run 6: Statistics of FillP

Start at: 2018-07-18 05:21:40
End at: 2018-07-18 05:22:10
Local clock offset: -0.111 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-18 08:31:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 1197.57 Mbit/s
95th percentile per-packet one-way delay: 208.784 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 646.23 Mbit/s
95th percentile per-packet one-way delay: 191.508 ms
Loss rate: 5.25%
-- Flow 2:
Average throughput: 605.97 Mbit/s
95th percentile per-packet one-way delay: 273.185 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 445.85 Mbit/s
95th percentile per-packet one-way delay: 164.398 ms
Loss rate: 1.70%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-18 05:47:42

End at: 2018-07-18 05:48:12

Local clock offset: -0.158 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-18 08:33:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1227.90 Mbit/s

95th percentile per-packet one-way delay: 197.377 ms

Loss rate: 5.04%

-- Flow 1:

Average throughput: 603.39 Mbit/s

95th percentile per-packet one-way delay: 232.098 ms

Loss rate: 7.64%

-- Flow 2:

Average throughput: 661.02 Mbit/s

95th percentile per-packet one-way delay: 178.720 ms

Loss rate: 2.82%

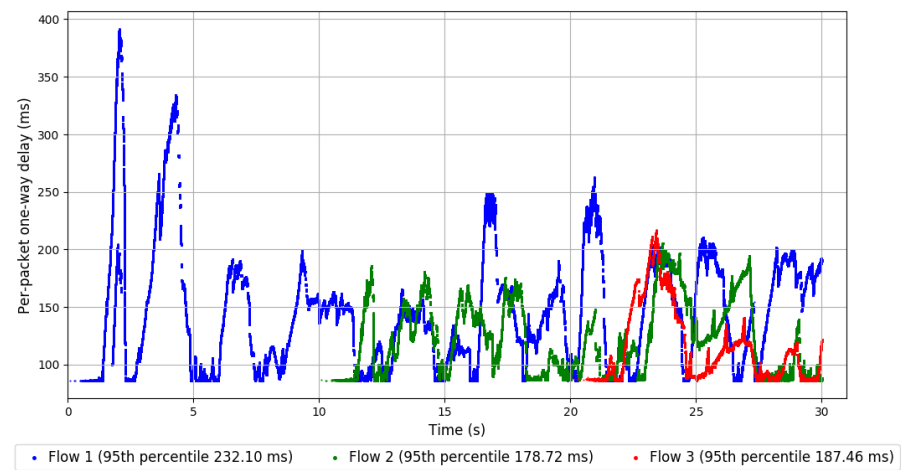
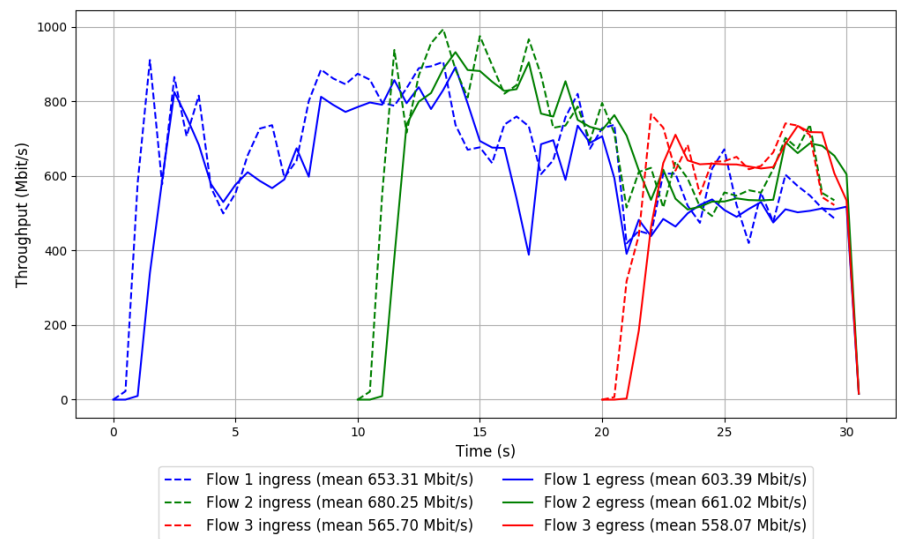
-- Flow 3:

Average throughput: 558.07 Mbit/s

95th percentile per-packet one-way delay: 187.456 ms

Loss rate: 1.34%

Run 7: Report of FillP — Data Link

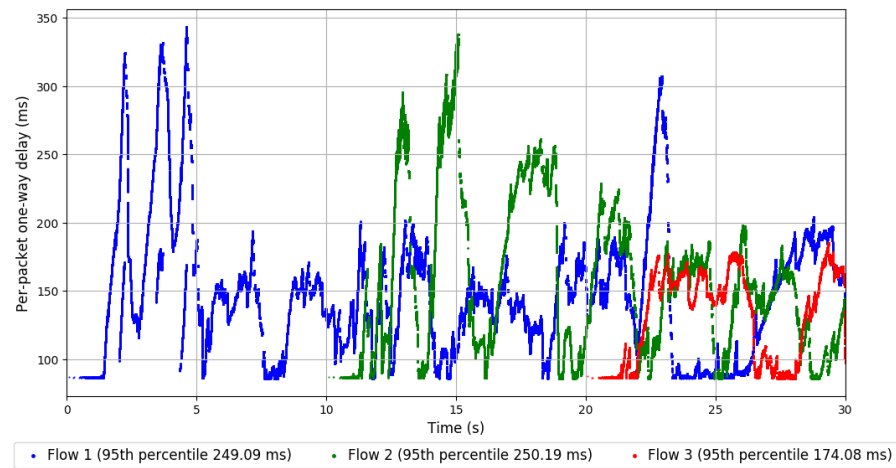
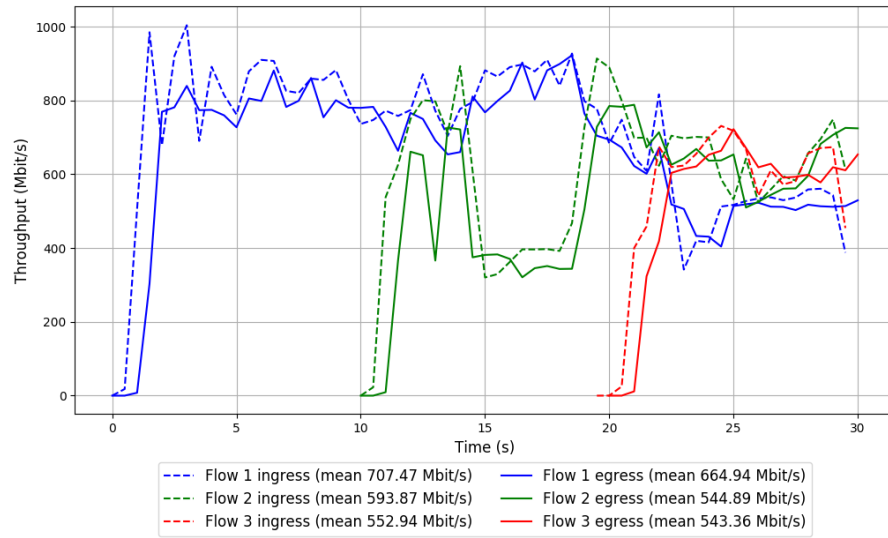


Run 8: Statistics of FillP

Start at: 2018-07-18 06:13:38
End at: 2018-07-18 06:14:08
Local clock offset: -0.238 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-18 08:34:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1208.00 Mbit/s
95th percentile per-packet one-way delay: 243.126 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 664.94 Mbit/s
95th percentile per-packet one-way delay: 249.089 ms
Loss rate: 6.16%
-- Flow 2:
Average throughput: 544.89 Mbit/s
95th percentile per-packet one-way delay: 250.194 ms
Loss rate: 8.46%
-- Flow 3:
Average throughput: 543.36 Mbit/s
95th percentile per-packet one-way delay: 174.080 ms
Loss rate: 2.19%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-18 06:39:48

End at: 2018-07-18 06:40:18

Local clock offset: -0.19 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-18 08:54:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 1188.50 Mbit/s

95th percentile per-packet one-way delay: 192.618 ms

Loss rate: 5.11%

-- Flow 1:

Average throughput: 637.68 Mbit/s

95th percentile per-packet one-way delay: 188.139 ms

Loss rate: 5.90%

-- Flow 2:

Average throughput: 606.55 Mbit/s

95th percentile per-packet one-way delay: 233.856 ms

Loss rate: 3.03%

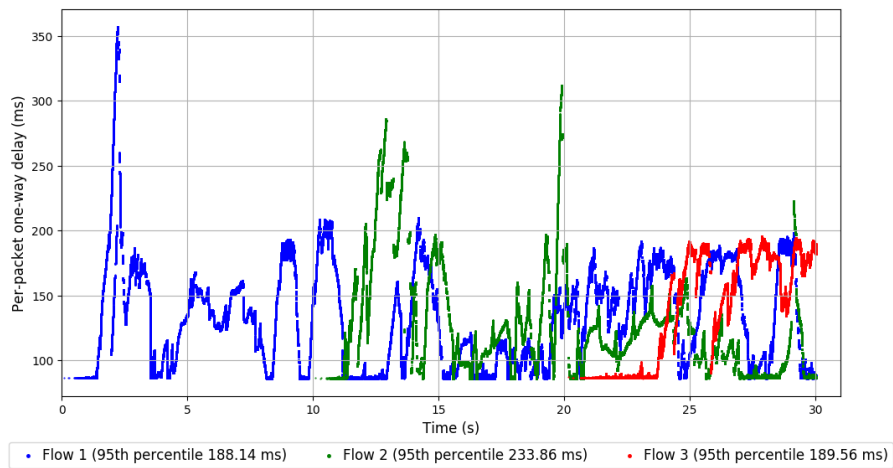
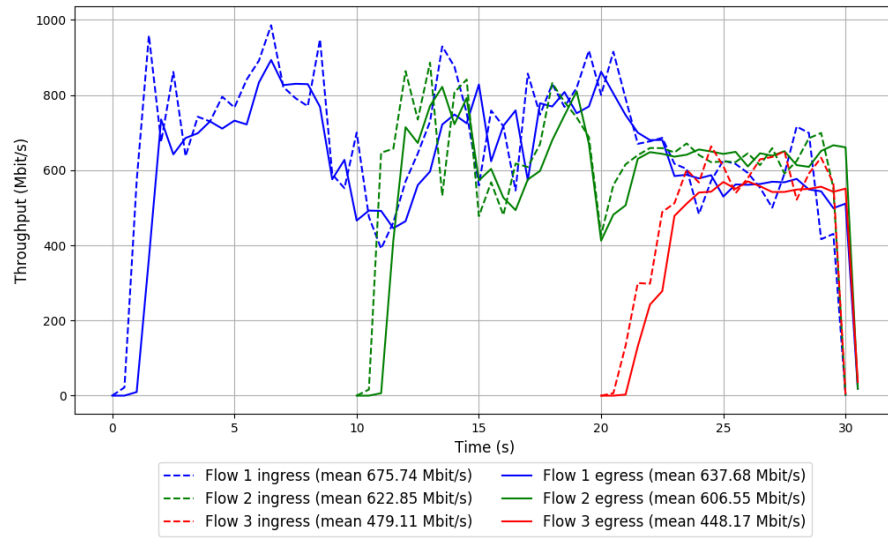
-- Flow 3:

Average throughput: 448.17 Mbit/s

95th percentile per-packet one-way delay: 189.561 ms

Loss rate: 7.16%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-18 07:05:42

End at: 2018-07-18 07:06:12

Local clock offset: 0.007 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-07-18 08:54:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1177.75 Mbit/s

95th percentile per-packet one-way delay: 199.699 ms

Loss rate: 5.59%

-- Flow 1:

Average throughput: 606.36 Mbit/s

95th percentile per-packet one-way delay: 214.519 ms

Loss rate: 6.35%

-- Flow 2:

Average throughput: 586.33 Mbit/s

95th percentile per-packet one-way delay: 185.658 ms

Loss rate: 5.03%

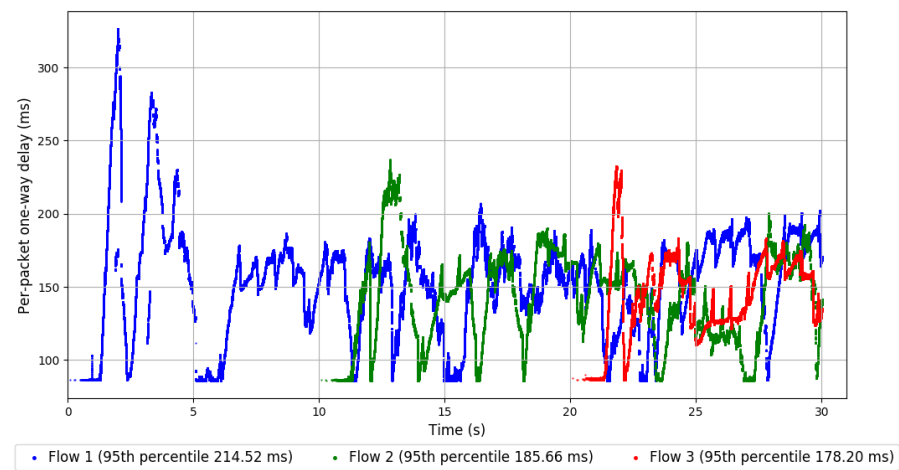
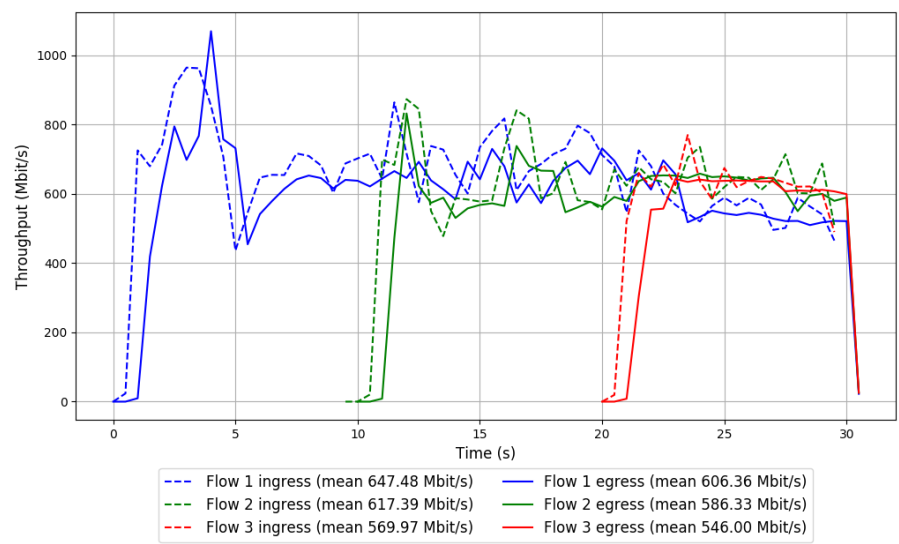
-- Flow 3:

Average throughput: 546.00 Mbit/s

95th percentile per-packet one-way delay: 178.202 ms

Loss rate: 4.22%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 03:17:36

End at: 2018-07-18 03:18:06

Local clock offset: 0.041 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-18 08:54:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1137.00 Mbit/s

95th percentile per-packet one-way delay: 177.616 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 633.01 Mbit/s

95th percentile per-packet one-way delay: 169.228 ms

Loss rate: 1.46%

-- Flow 2:

Average throughput: 525.14 Mbit/s

95th percentile per-packet one-way delay: 192.094 ms

Loss rate: 5.56%

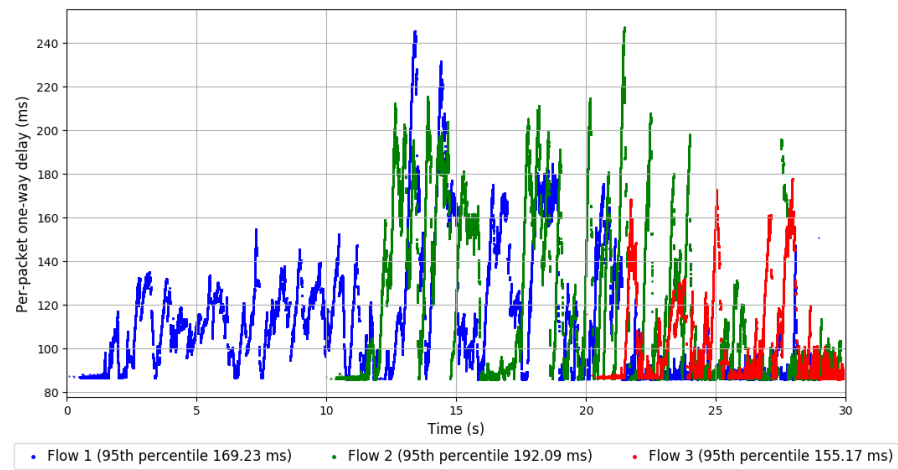
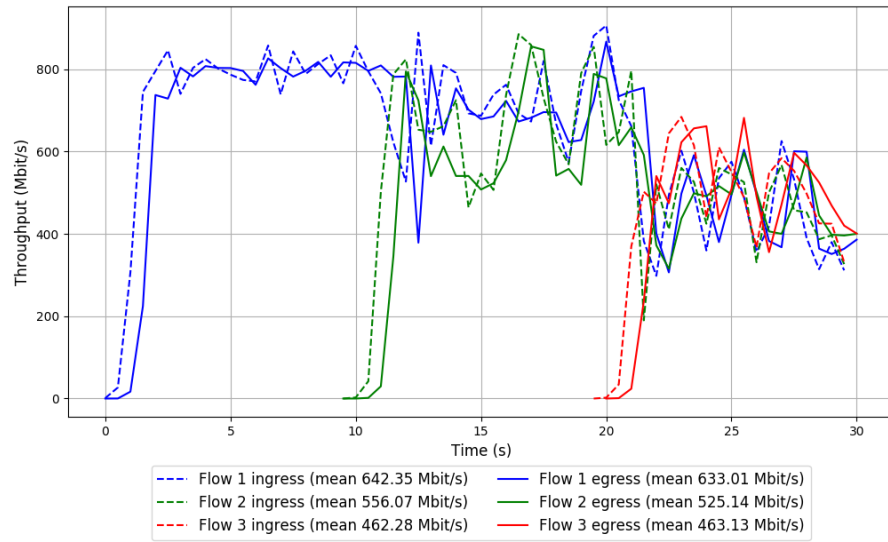
-- Flow 3:

Average throughput: 463.13 Mbit/s

95th percentile per-packet one-way delay: 155.169 ms

Loss rate: 0.09%

Run 1: Report of FillP-Sheep — Data Link

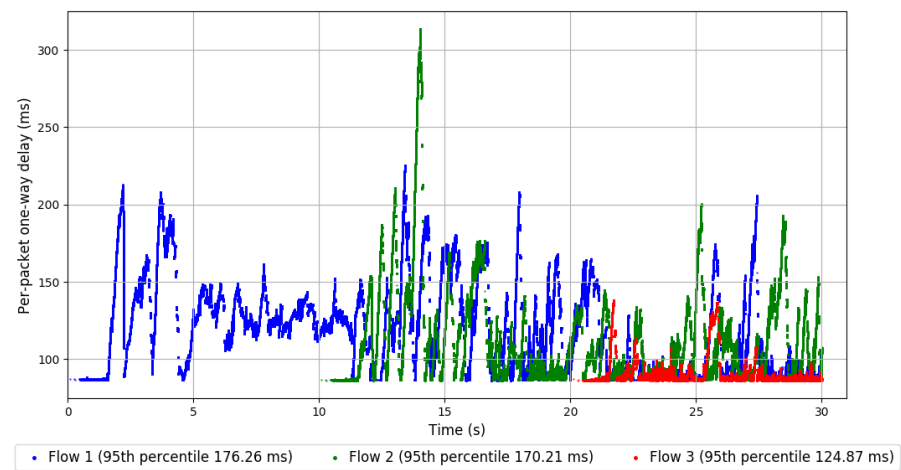
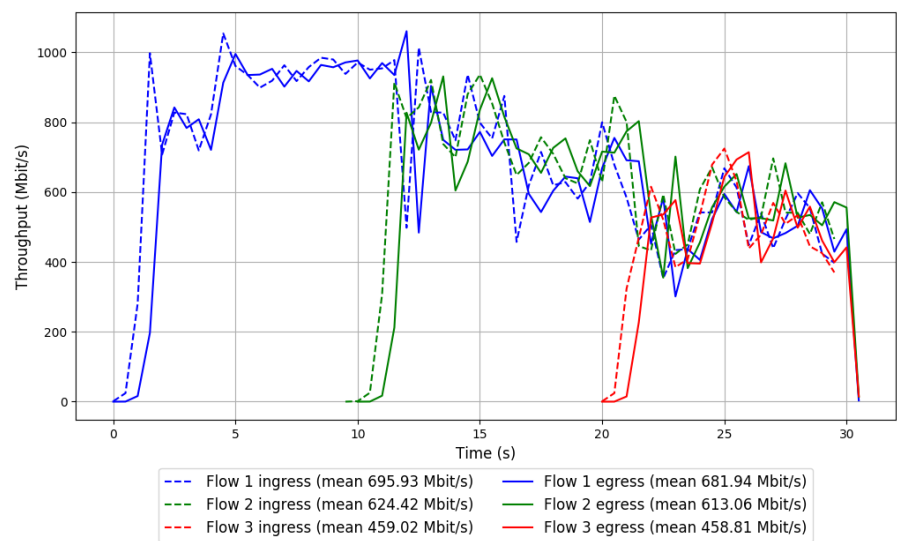


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 03:43:18
End at: 2018-07-18 03:43:48
Local clock offset: -0.215 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-18 08:56:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 1241.62 Mbit/s
95th percentile per-packet one-way delay: 171.499 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 681.94 Mbit/s
95th percentile per-packet one-way delay: 176.258 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 613.06 Mbit/s
95th percentile per-packet one-way delay: 170.208 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 458.81 Mbit/s
95th percentile per-packet one-way delay: 124.873 ms
Loss rate: 0.05%

Run 2: Report of FillP-Sheep — Data Link

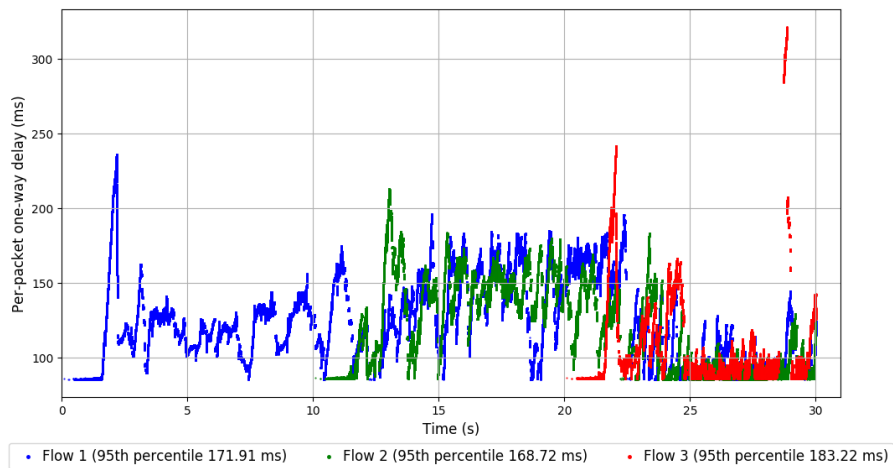
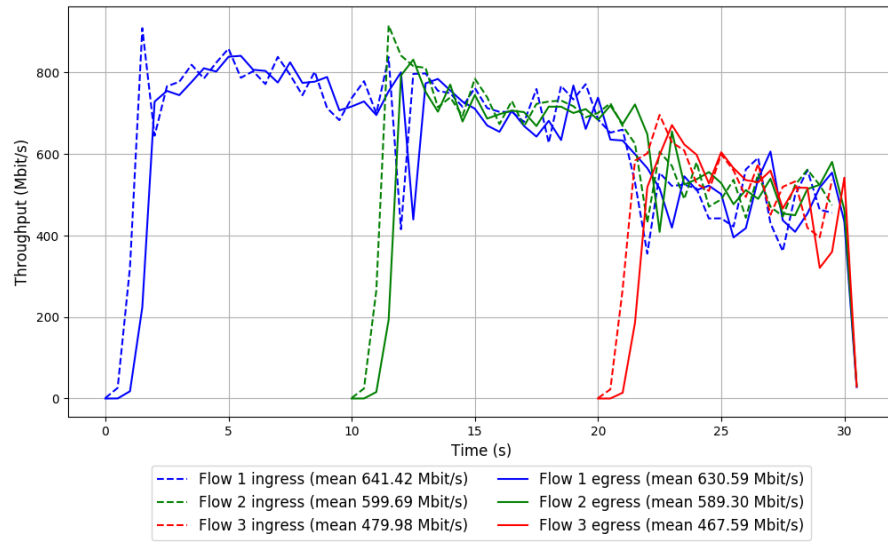


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 04:09:18
End at: 2018-07-18 04:09:48
Local clock offset: 0.07 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-18 08:56:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1177.88 Mbit/s
95th percentile per-packet one-way delay: 171.406 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 630.59 Mbit/s
95th percentile per-packet one-way delay: 171.910 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 589.30 Mbit/s
95th percentile per-packet one-way delay: 168.719 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 467.59 Mbit/s
95th percentile per-packet one-way delay: 183.215 ms
Loss rate: 2.58%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 04:35:19

End at: 2018-07-18 04:35:49

Local clock offset: -0.139 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-18 08:56:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1148.58 Mbit/s

95th percentile per-packet one-way delay: 186.896 ms

Loss rate: 2.40%

-- Flow 1:

Average throughput: 635.74 Mbit/s

95th percentile per-packet one-way delay: 178.153 ms

Loss rate: 2.36%

-- Flow 2:

Average throughput: 547.49 Mbit/s

95th percentile per-packet one-way delay: 193.658 ms

Loss rate: 3.00%

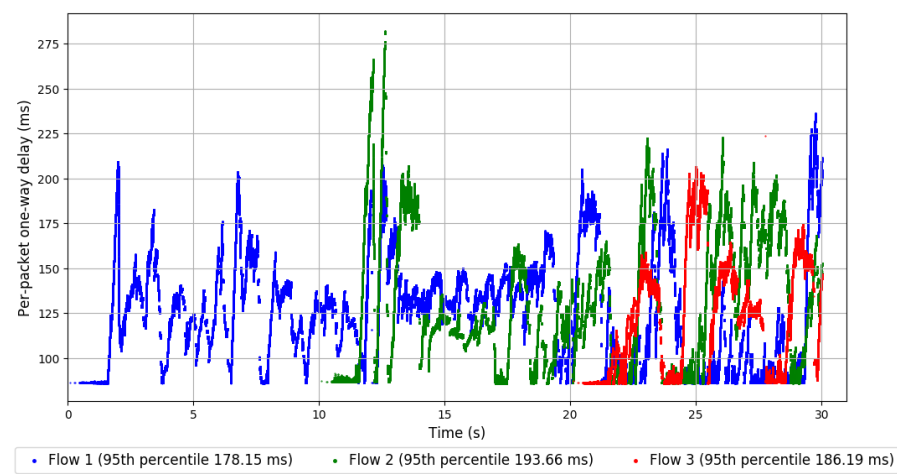
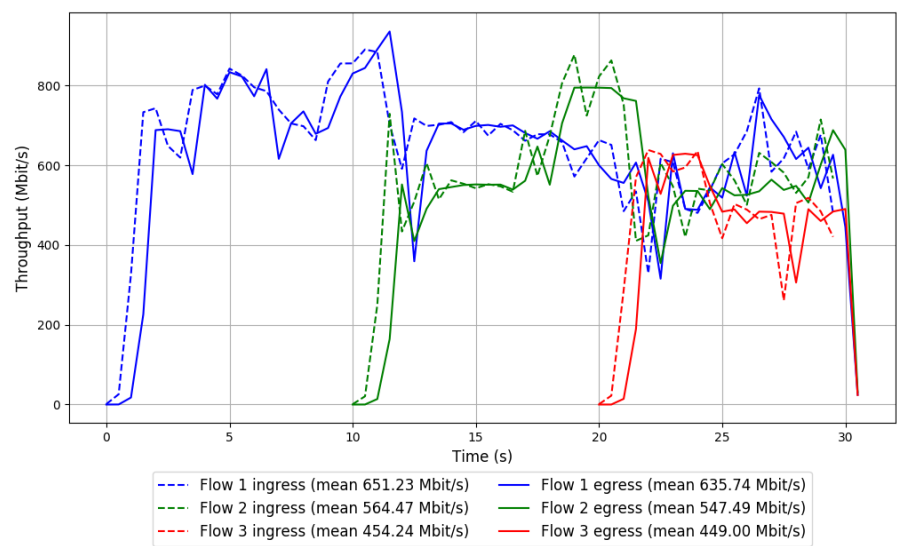
-- Flow 3:

Average throughput: 449.00 Mbit/s

95th percentile per-packet one-way delay: 186.193 ms

Loss rate: 1.11%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 05:01:26

End at: 2018-07-18 05:01:56

Local clock offset: -0.068 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-18 08:58:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1152.05 Mbit/s

95th percentile per-packet one-way delay: 177.070 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 670.61 Mbit/s

95th percentile per-packet one-way delay: 164.149 ms

Loss rate: 2.01%

-- Flow 2:

Average throughput: 480.23 Mbit/s

95th percentile per-packet one-way delay: 187.651 ms

Loss rate: 1.21%

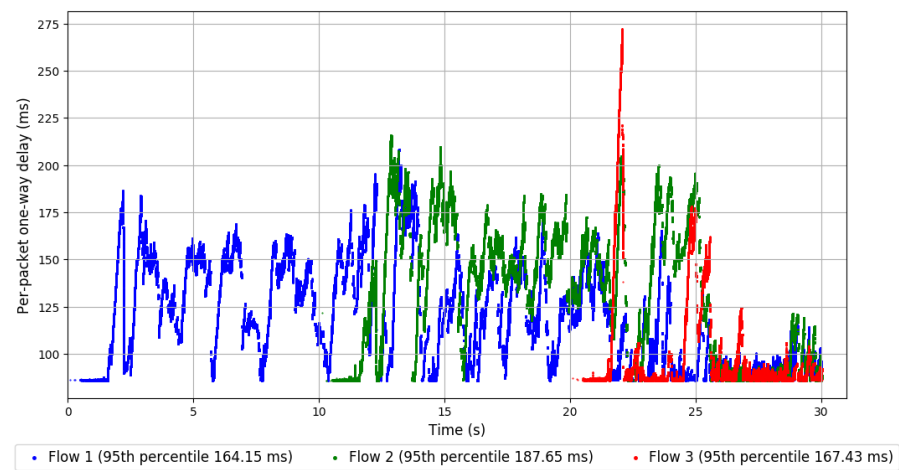
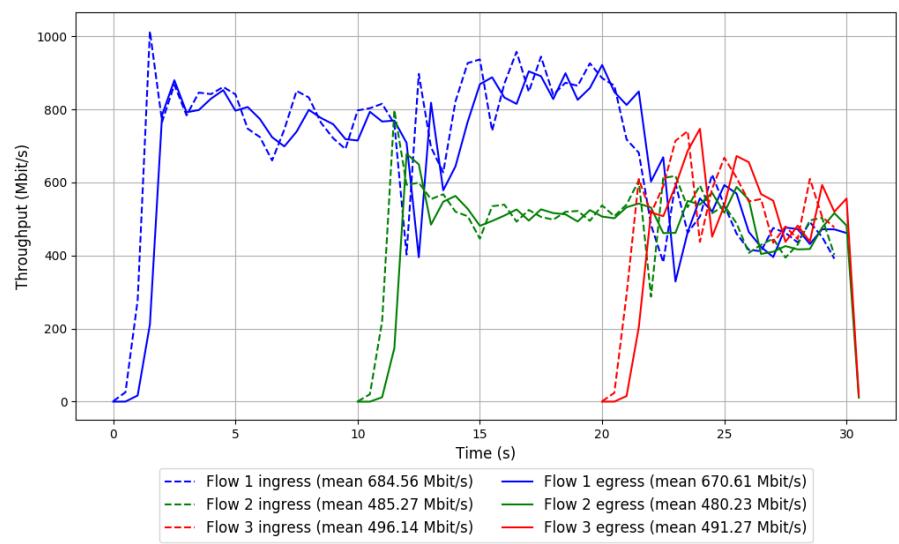
-- Flow 3:

Average throughput: 491.27 Mbit/s

95th percentile per-packet one-way delay: 167.427 ms

Loss rate: 0.99%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 05:27:28

End at: 2018-07-18 05:27:58

Local clock offset: -0.202 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-18 09:00:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 1146.51 Mbit/s

95th percentile per-packet one-way delay: 202.322 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 631.20 Mbit/s

95th percentile per-packet one-way delay: 165.463 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 556.24 Mbit/s

95th percentile per-packet one-way delay: 210.321 ms

Loss rate: 0.09%

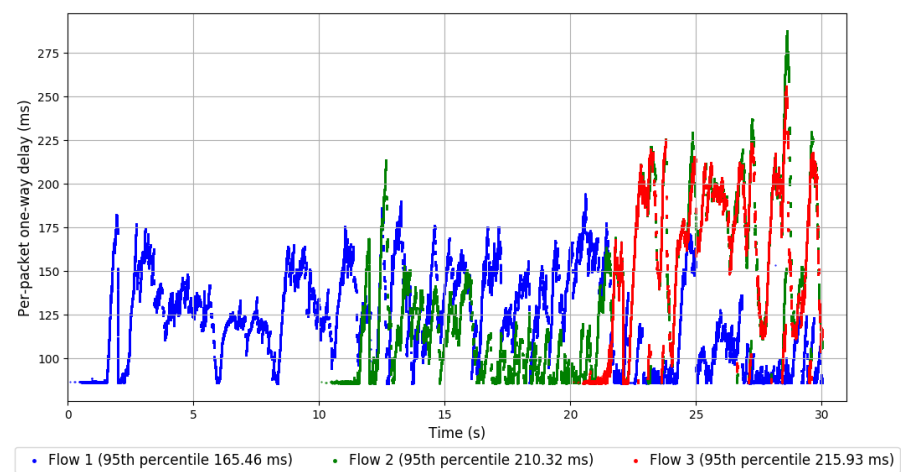
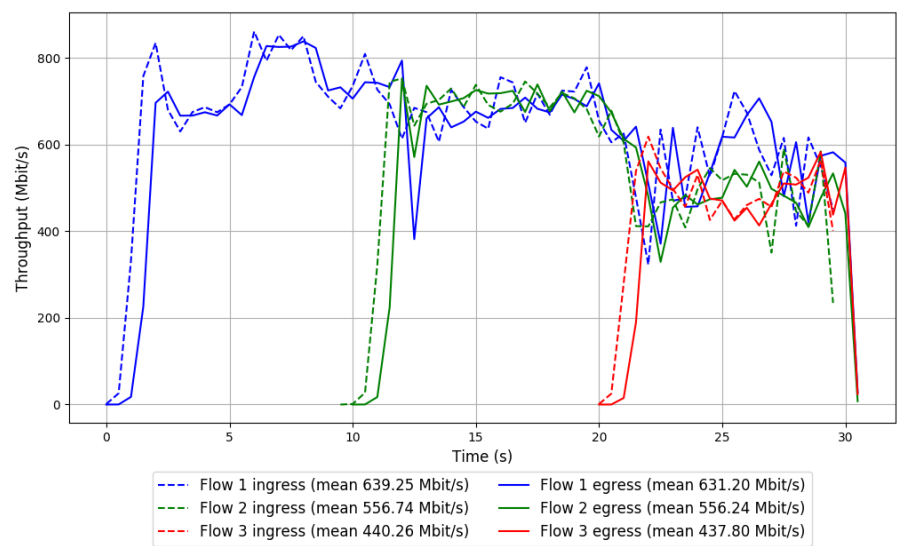
-- Flow 3:

Average throughput: 437.80 Mbit/s

95th percentile per-packet one-way delay: 215.930 ms

Loss rate: 0.56%

Run 6: Report of FillP-Sheep — Data Link

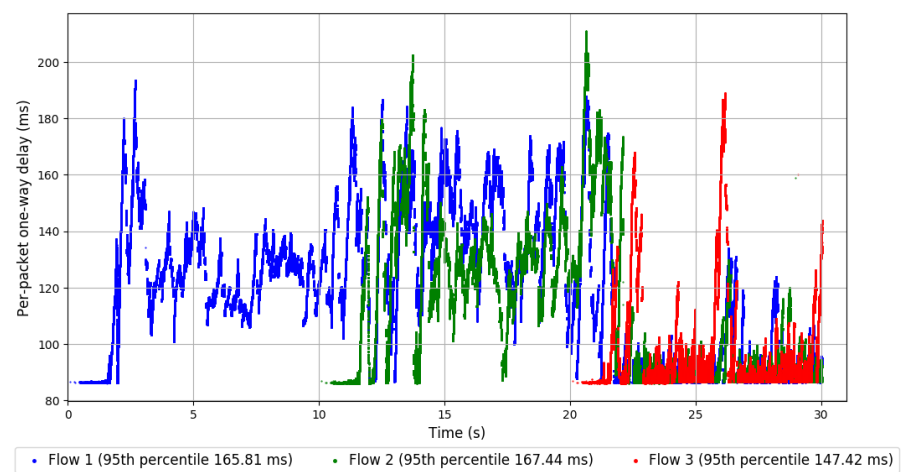
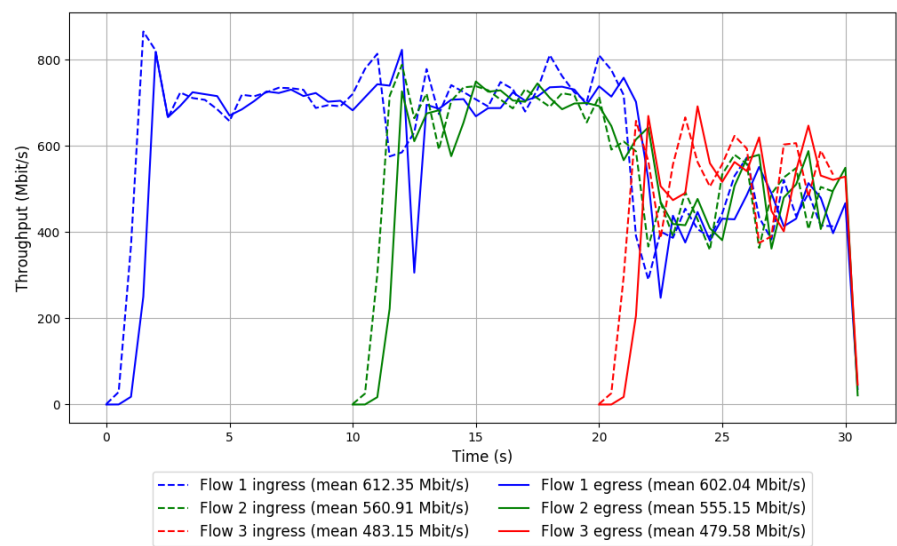


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 05:53:32
End at: 2018-07-18 05:54:02
Local clock offset: -0.299 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-18 09:20:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1130.69 Mbit/s
95th percentile per-packet one-way delay: 165.359 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 602.04 Mbit/s
95th percentile per-packet one-way delay: 165.814 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 555.15 Mbit/s
95th percentile per-packet one-way delay: 167.442 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 479.58 Mbit/s
95th percentile per-packet one-way delay: 147.422 ms
Loss rate: 0.56%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 06:19:27

End at: 2018-07-18 06:19:57

Local clock offset: -0.376 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-18 09:21:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 1162.72 Mbit/s

95th percentile per-packet one-way delay: 174.667 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 609.17 Mbit/s

95th percentile per-packet one-way delay: 172.706 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 578.81 Mbit/s

95th percentile per-packet one-way delay: 180.056 ms

Loss rate: 2.04%

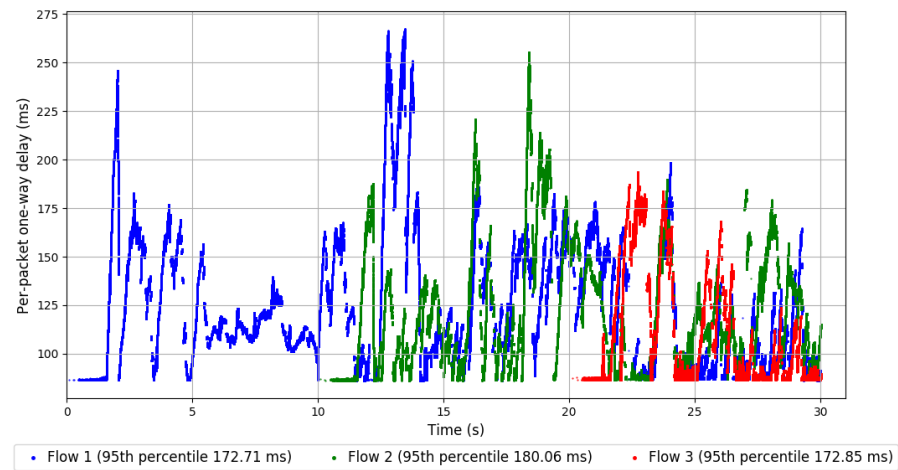
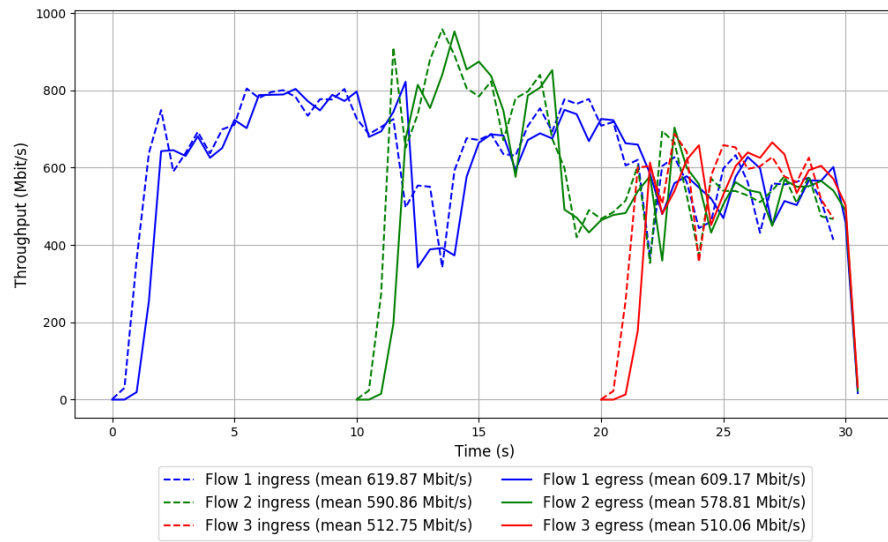
-- Flow 3:

Average throughput: 510.06 Mbit/s

95th percentile per-packet one-way delay: 172.852 ms

Loss rate: 0.50%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 06:45:35

End at: 2018-07-18 06:46:05

Local clock offset: -0.221 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-18 09:21:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 1129.94 Mbit/s

95th percentile per-packet one-way delay: 183.873 ms

Loss rate: 2.52%

-- Flow 1:

Average throughput: 662.82 Mbit/s

95th percentile per-packet one-way delay: 163.338 ms

Loss rate: 2.37%

-- Flow 2:

Average throughput: 448.12 Mbit/s

95th percentile per-packet one-way delay: 201.444 ms

Loss rate: 3.79%

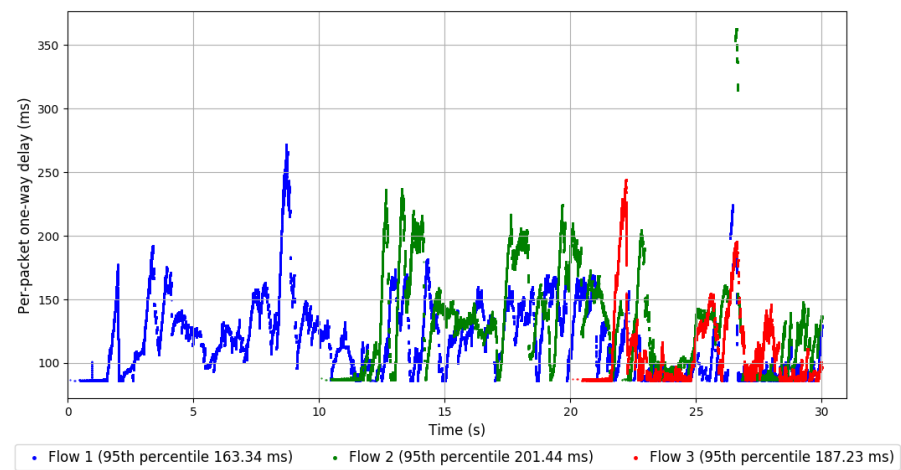
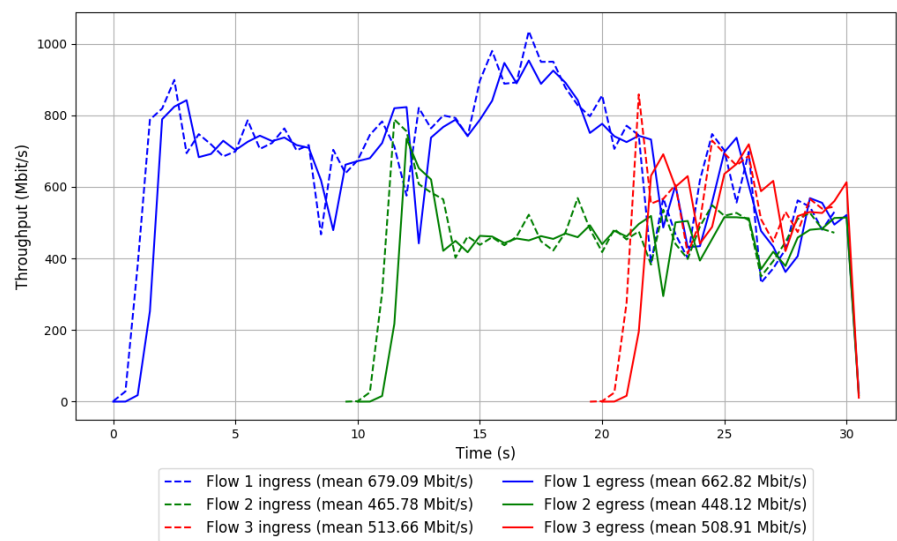
-- Flow 3:

Average throughput: 508.91 Mbit/s

95th percentile per-packet one-way delay: 187.234 ms

Loss rate: 0.83%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 07:11:28

End at: 2018-07-18 07:11:58

Local clock offset: -0.166 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1213.77 Mbit/s

95th percentile per-packet one-way delay: 162.499 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 655.49 Mbit/s

95th percentile per-packet one-way delay: 159.441 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 576.18 Mbit/s

95th percentile per-packet one-way delay: 154.237 ms

Loss rate: 0.57%

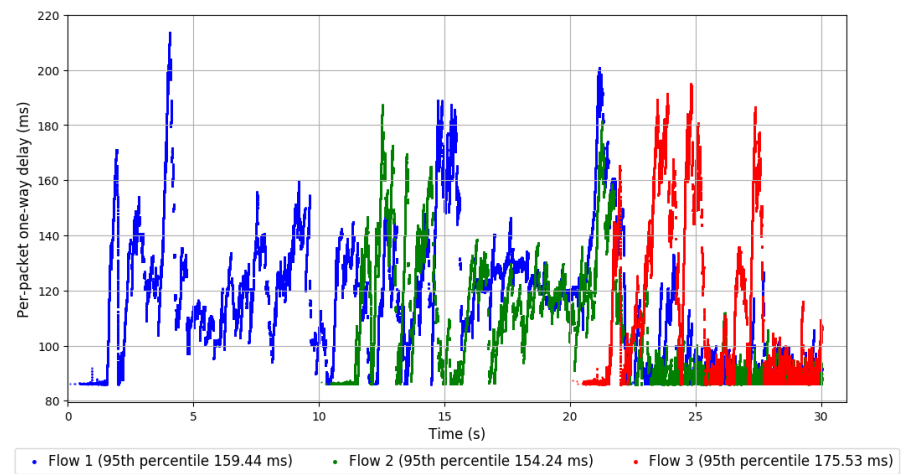
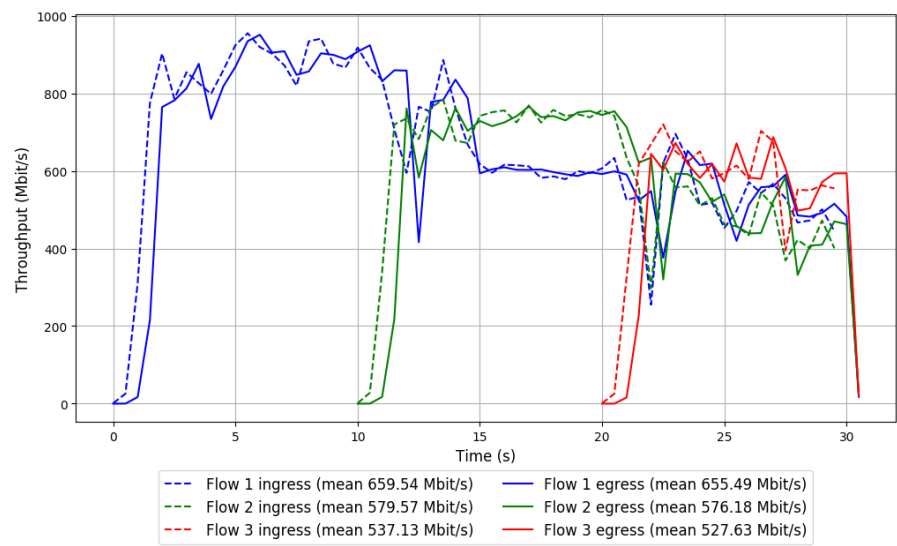
-- Flow 3:

Average throughput: 527.63 Mbit/s

95th percentile per-packet one-way delay: 175.534 ms

Loss rate: 1.73%

Run 10: Report of FillP-Sheep — Data Link

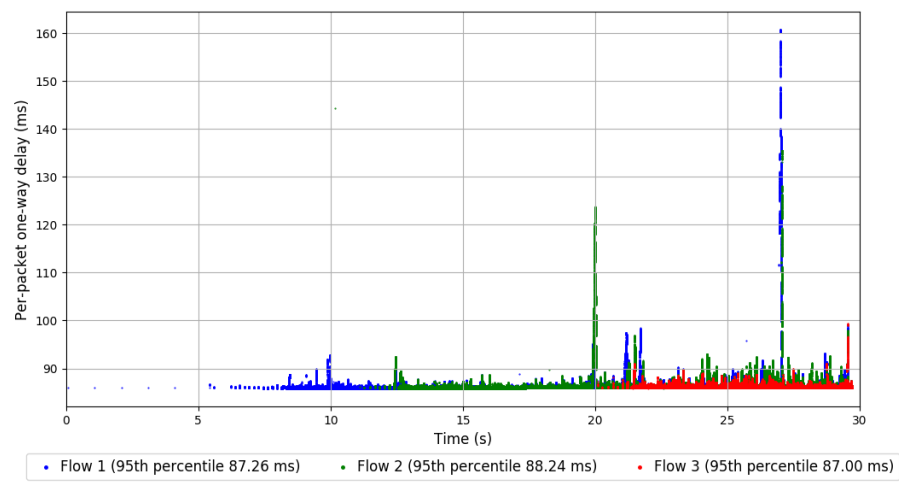
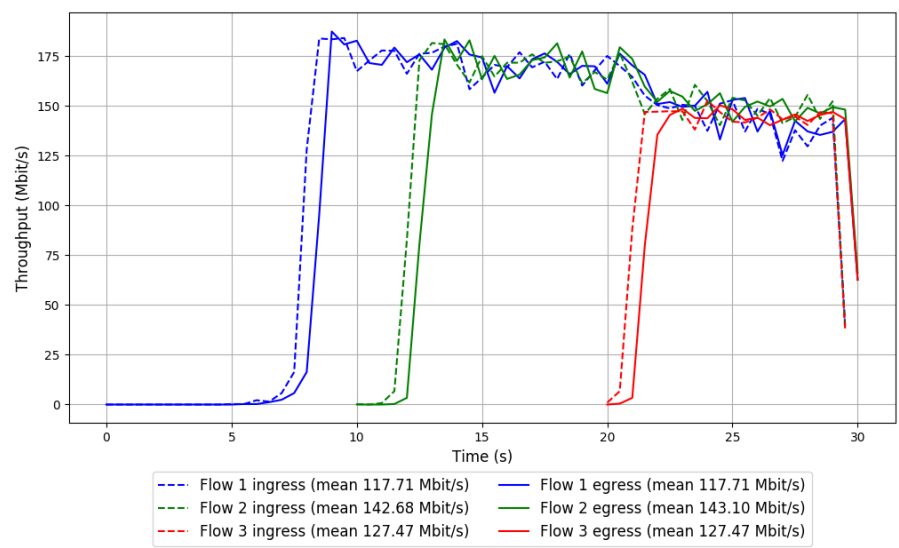


Run 1: Statistics of Indigo

Start at: 2018-07-18 03:31:58
End at: 2018-07-18 03:32:28
Local clock offset: -0.092 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-18 09:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.58 Mbit/s
95th percentile per-packet one-way delay: 87.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.71 Mbit/s
95th percentile per-packet one-way delay: 87.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.10 Mbit/s
95th percentile per-packet one-way delay: 88.240 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.47 Mbit/s
95th percentile per-packet one-way delay: 87.002 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

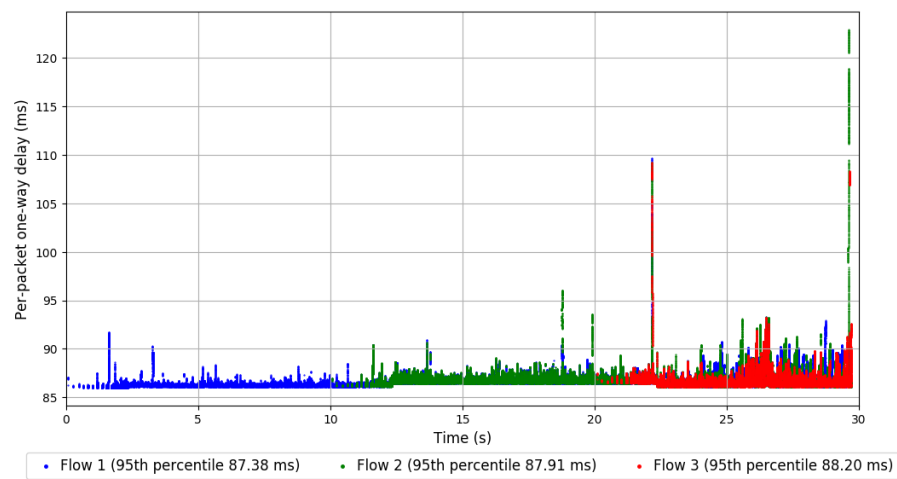
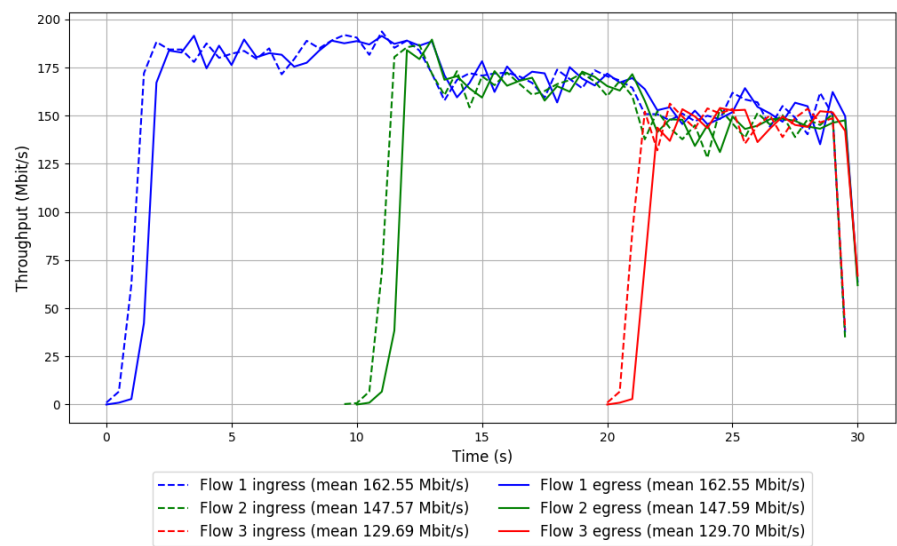


Run 2: Statistics of Indigo

Start at: 2018-07-18 03:57:53
End at: 2018-07-18 03:58:23
Local clock offset: -0.294 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-18 09:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.49 Mbit/s
95th percentile per-packet one-way delay: 87.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.55 Mbit/s
95th percentile per-packet one-way delay: 87.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.59 Mbit/s
95th percentile per-packet one-way delay: 87.907 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.70 Mbit/s
95th percentile per-packet one-way delay: 88.198 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-18 04:23:59

End at: 2018-07-18 04:24:29

Local clock offset: 0.225 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.17 Mbit/s

95th percentile per-packet one-way delay: 87.385 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 166.57 Mbit/s

95th percentile per-packet one-way delay: 87.726 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 151.24 Mbit/s

95th percentile per-packet one-way delay: 87.085 ms

Loss rate: 0.00%

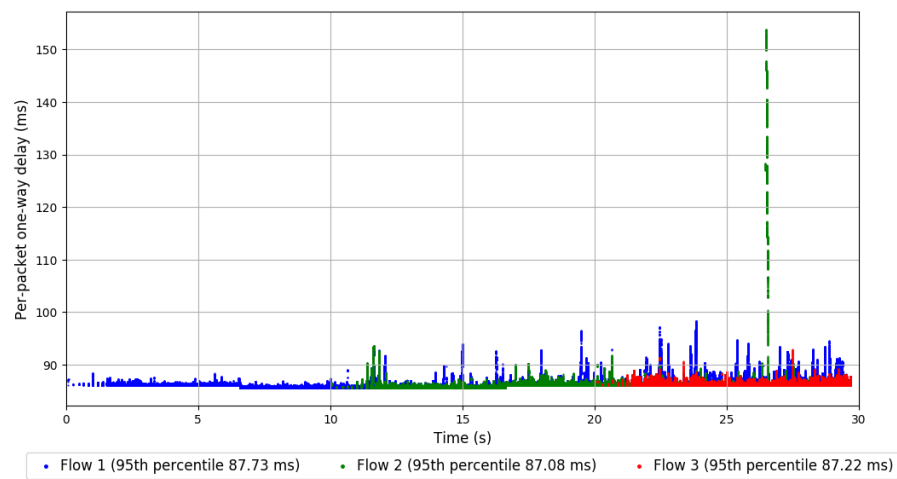
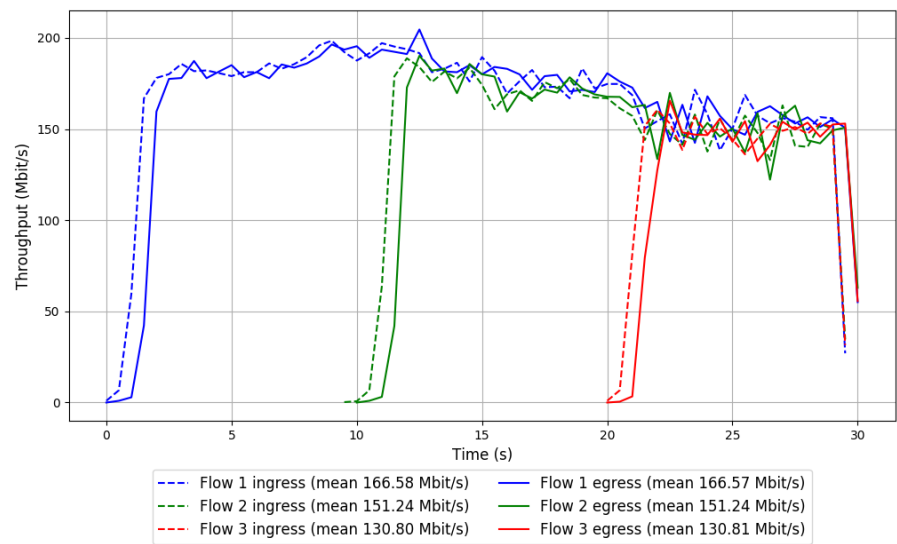
-- Flow 3:

Average throughput: 130.81 Mbit/s

95th percentile per-packet one-way delay: 87.220 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-18 04:49:57

End at: 2018-07-18 04:50:27

Local clock offset: 0.059 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.04 Mbit/s

95th percentile per-packet one-way delay: 87.197 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 155.04 Mbit/s

95th percentile per-packet one-way delay: 86.897 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 152.00 Mbit/s

95th percentile per-packet one-way delay: 87.808 ms

Loss rate: 0.00%

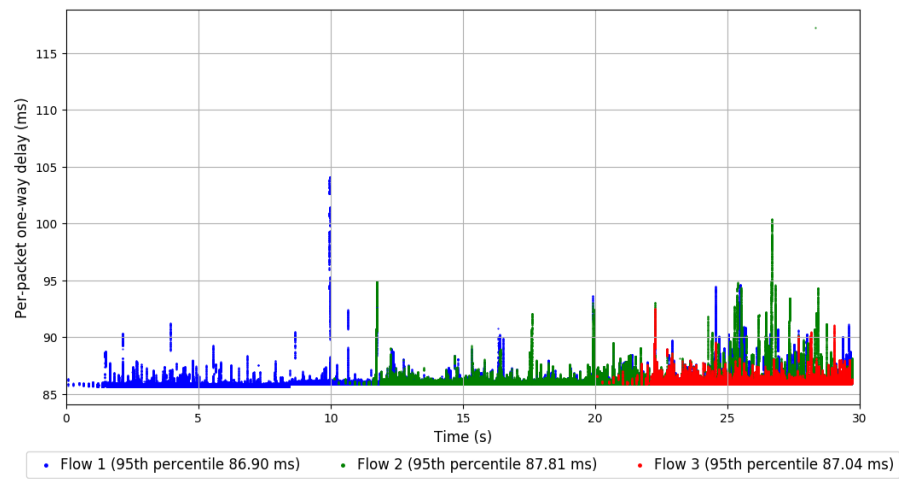
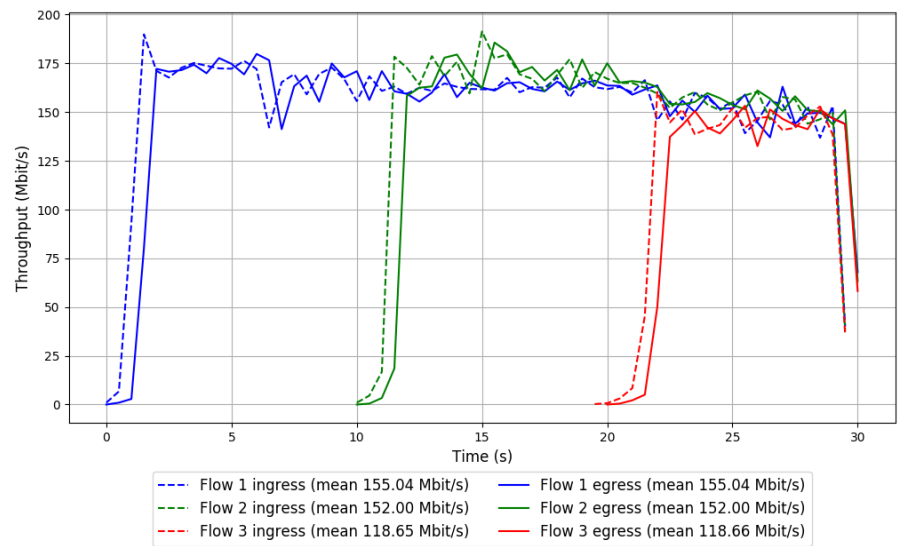
-- Flow 3:

Average throughput: 118.66 Mbit/s

95th percentile per-packet one-way delay: 87.044 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-18 05:16:00

End at: 2018-07-18 05:16:30

Local clock offset: -0.126 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.43 Mbit/s

95th percentile per-packet one-way delay: 87.487 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 142.04 Mbit/s

95th percentile per-packet one-way delay: 87.079 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 148.39 Mbit/s

95th percentile per-packet one-way delay: 87.625 ms

Loss rate: 0.00%

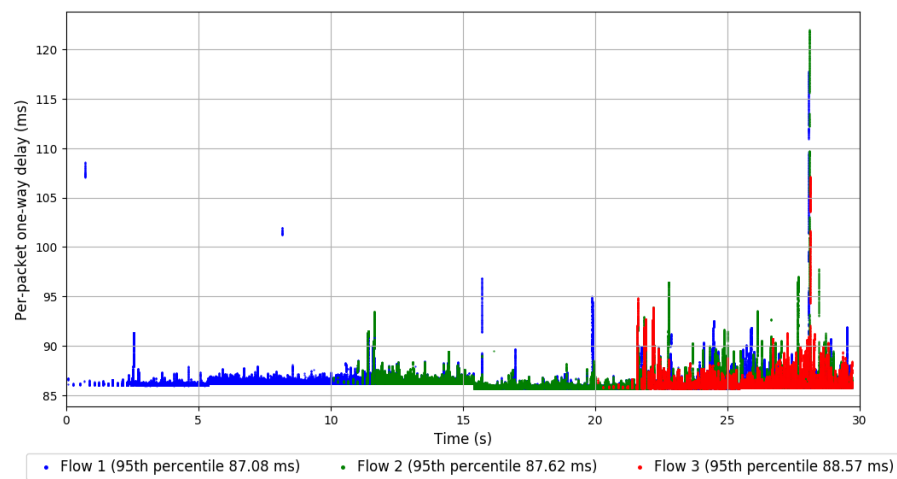
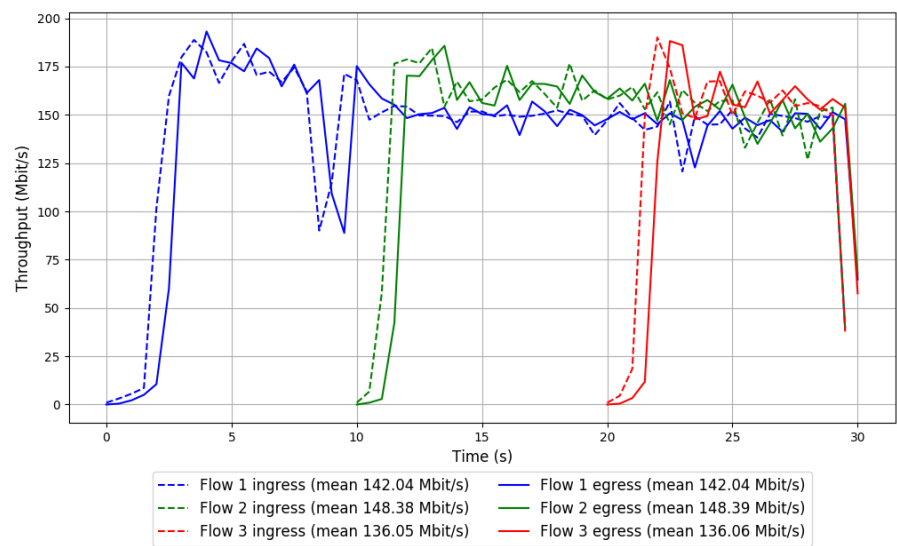
-- Flow 3:

Average throughput: 136.06 Mbit/s

95th percentile per-packet one-way delay: 88.569 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

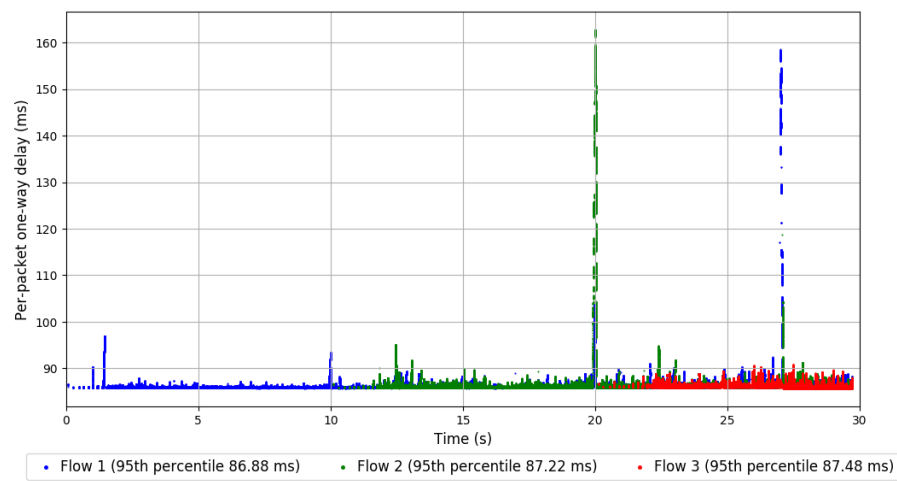
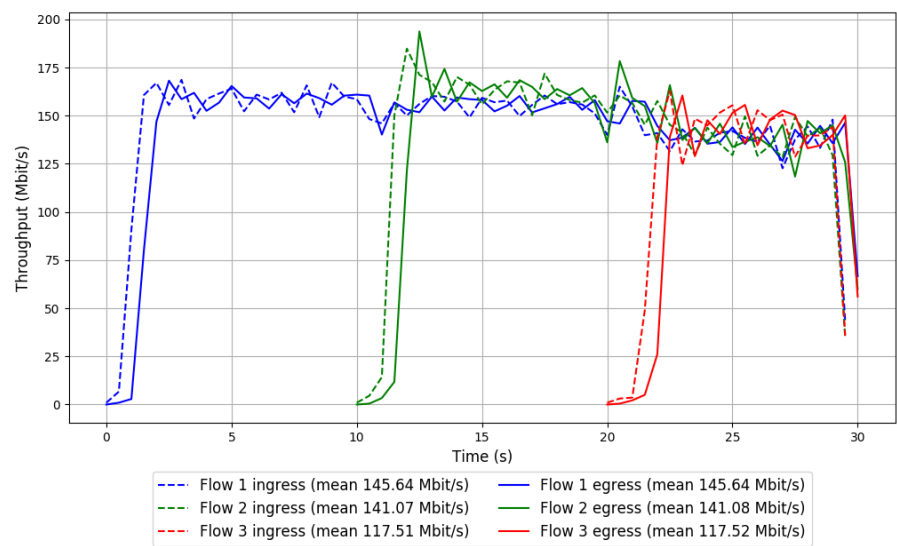


Run 6: Statistics of Indigo

Start at: 2018-07-18 05:42:08
End at: 2018-07-18 05:42:38
Local clock offset: -0.017 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-18 09:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.07 Mbit/s
95th percentile per-packet one-way delay: 87.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.64 Mbit/s
95th percentile per-packet one-way delay: 86.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.08 Mbit/s
95th percentile per-packet one-way delay: 87.224 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.52 Mbit/s
95th percentile per-packet one-way delay: 87.484 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

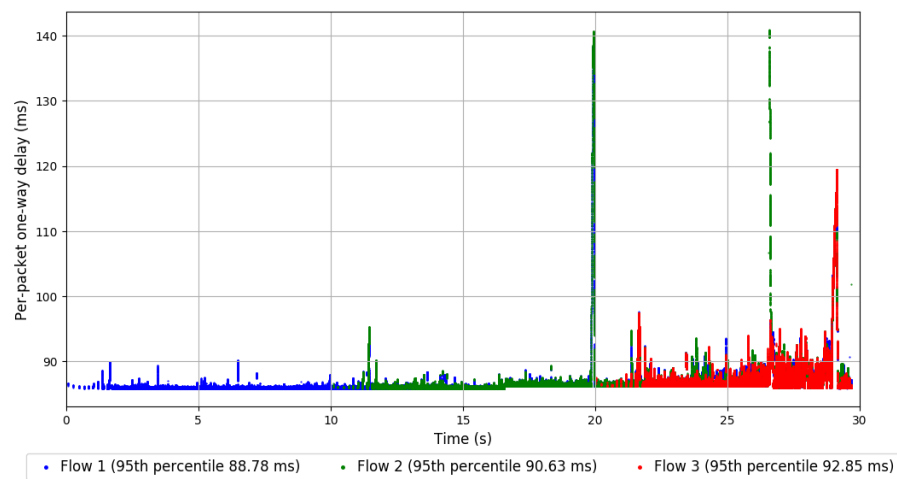
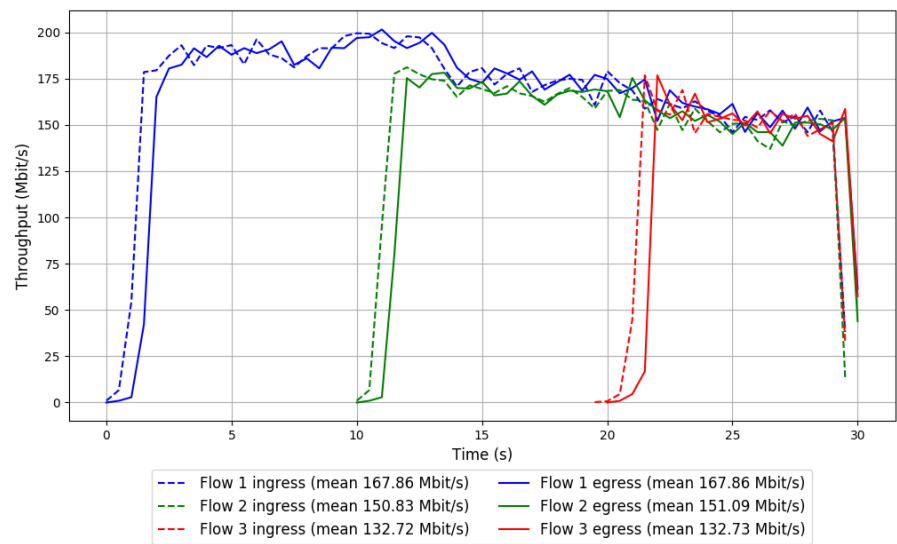


Run 7: Statistics of Indigo

Start at: 2018-07-18 06:07:59
End at: 2018-07-18 06:08:29
Local clock offset: -0.091 ms
Remote clock offset: -0.026 ms

```
# Below is generated by plot.py at 2018-07-18 09:23:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.99 Mbit/s
95th percentile per-packet one-way delay: 90.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.86 Mbit/s
95th percentile per-packet one-way delay: 88.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.09 Mbit/s
95th percentile per-packet one-way delay: 90.631 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.73 Mbit/s
95th percentile per-packet one-way delay: 92.850 ms
Loss rate: 0.00%
```


Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-18 06:34:15

End at: 2018-07-18 06:34:45

Local clock offset: -0.142 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.51 Mbit/s

95th percentile per-packet one-way delay: 87.072 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 157.21 Mbit/s

95th percentile per-packet one-way delay: 86.880 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 151.20 Mbit/s

95th percentile per-packet one-way delay: 87.300 ms

Loss rate: 0.00%

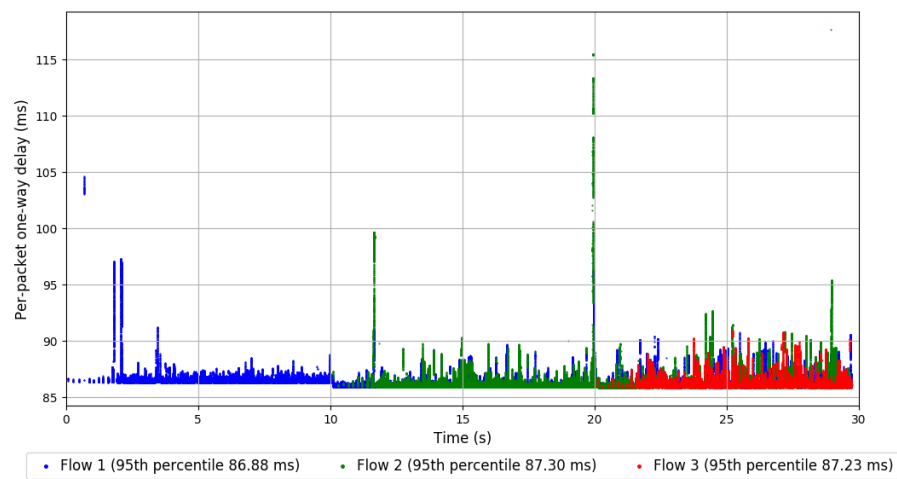
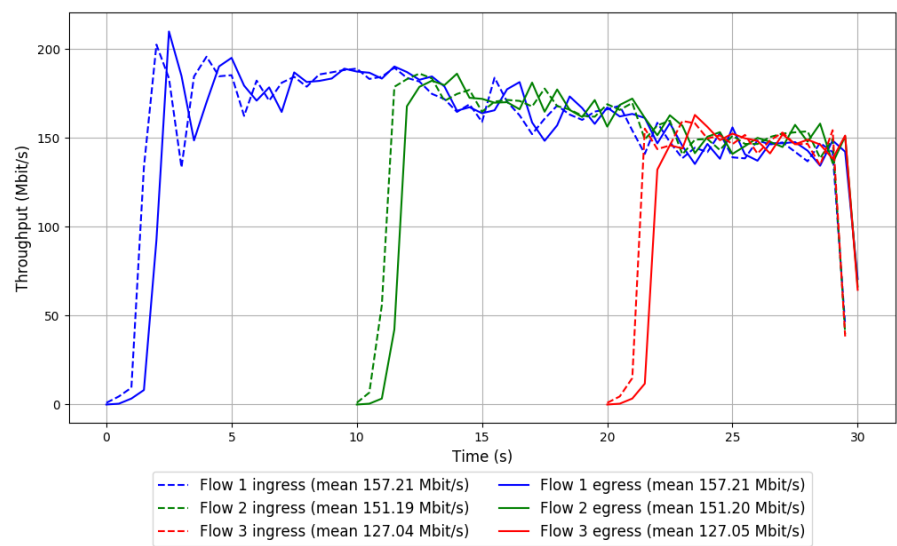
-- Flow 3:

Average throughput: 127.05 Mbit/s

95th percentile per-packet one-way delay: 87.229 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-18 07:00:04

End at: 2018-07-18 07:00:34

Local clock offset: -0.137 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.33 Mbit/s

95th percentile per-packet one-way delay: 87.712 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 175.58 Mbit/s

95th percentile per-packet one-way delay: 87.396 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 161.69 Mbit/s

95th percentile per-packet one-way delay: 87.970 ms

Loss rate: 0.00%

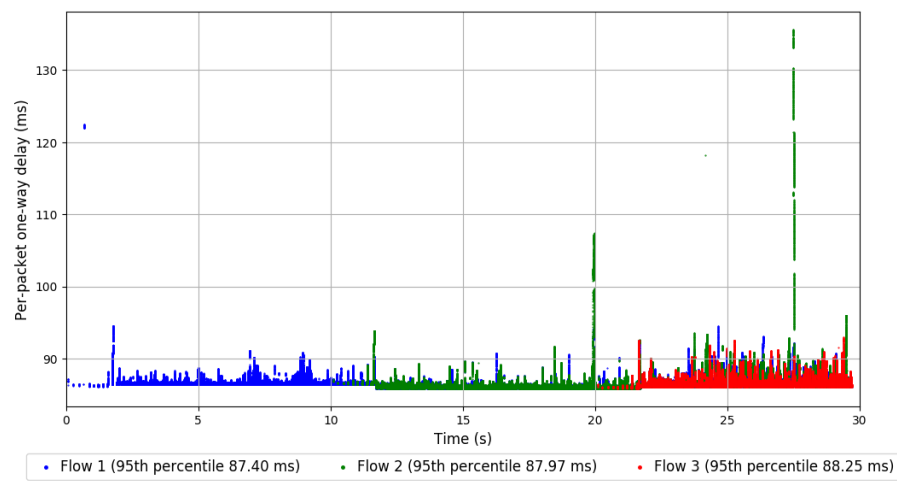
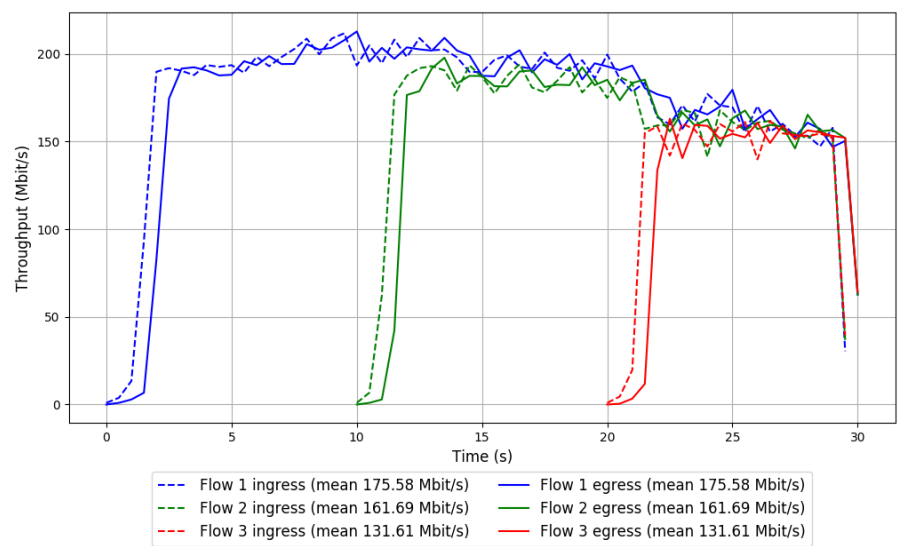
-- Flow 3:

Average throughput: 131.61 Mbit/s

95th percentile per-packet one-way delay: 88.254 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-18 07:25:59

End at: 2018-07-18 07:26:29

Local clock offset: -0.375 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.90 Mbit/s

95th percentile per-packet one-way delay: 87.455 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 165.02 Mbit/s

95th percentile per-packet one-way delay: 87.270 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 152.73 Mbit/s

95th percentile per-packet one-way delay: 87.486 ms

Loss rate: 0.00%

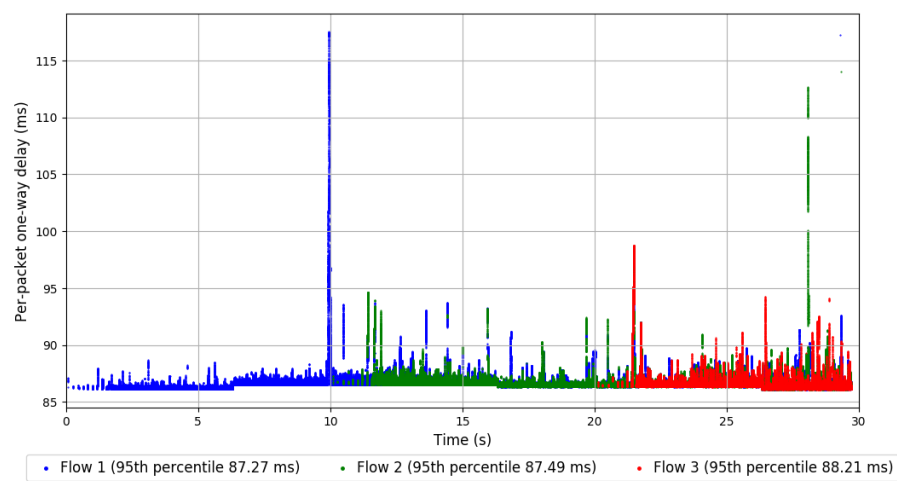
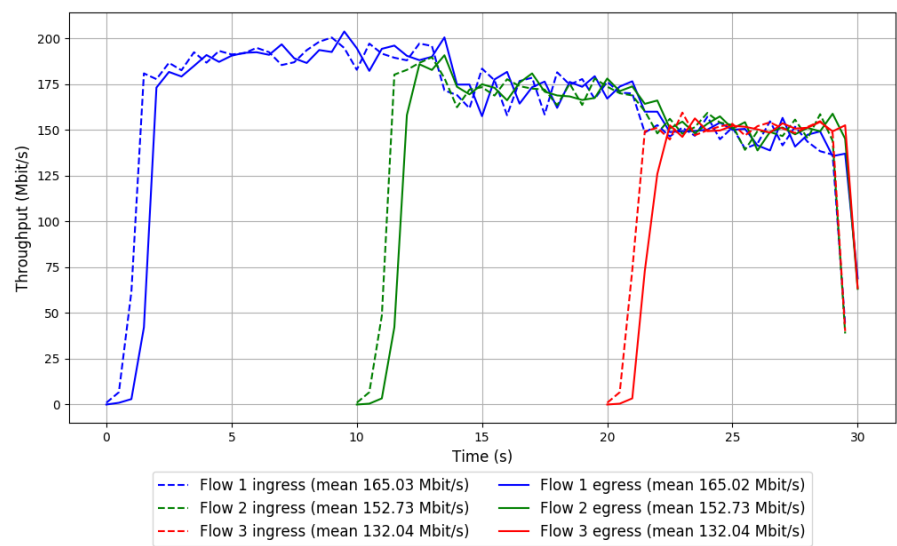
-- Flow 3:

Average throughput: 132.04 Mbit/s

95th percentile per-packet one-way delay: 88.209 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

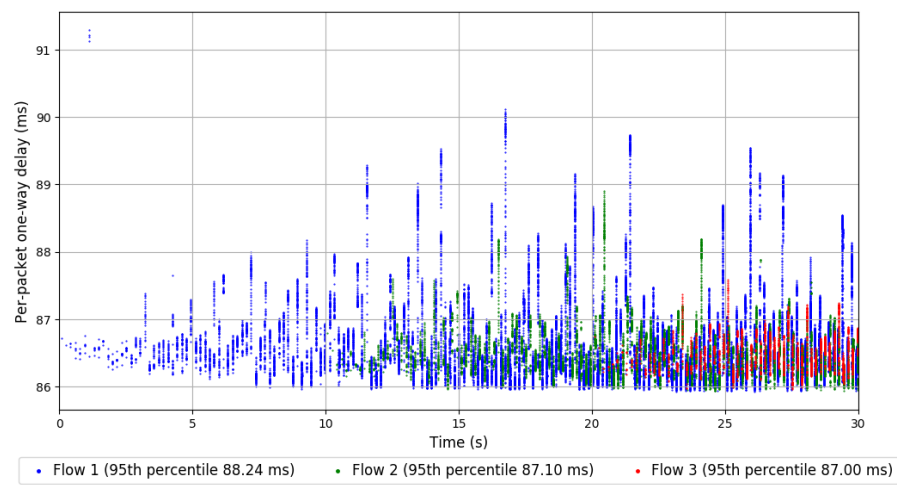
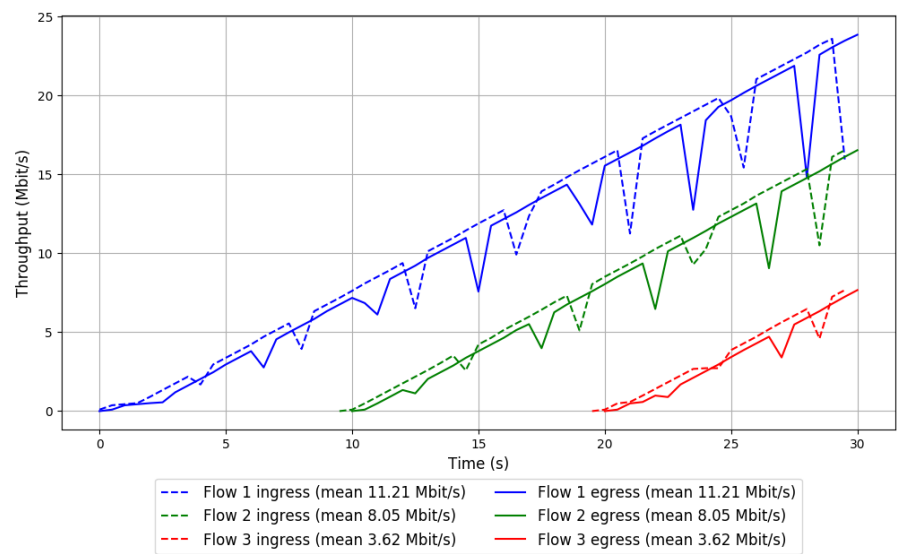


Run 1: Statistics of LEDBAT

Start at: 2018-07-18 03:16:24
End at: 2018-07-18 03:16:54
Local clock offset: -0.182 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-18 09:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 87.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 88.240 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 87.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 86.996 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

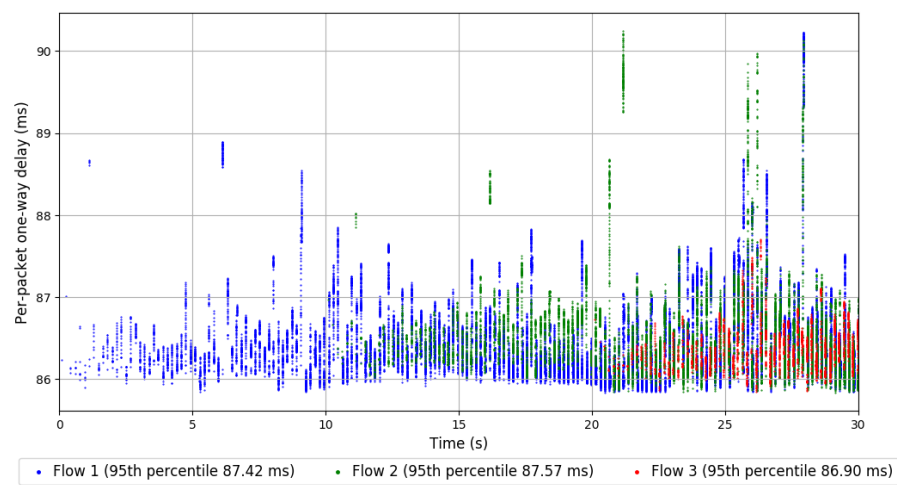
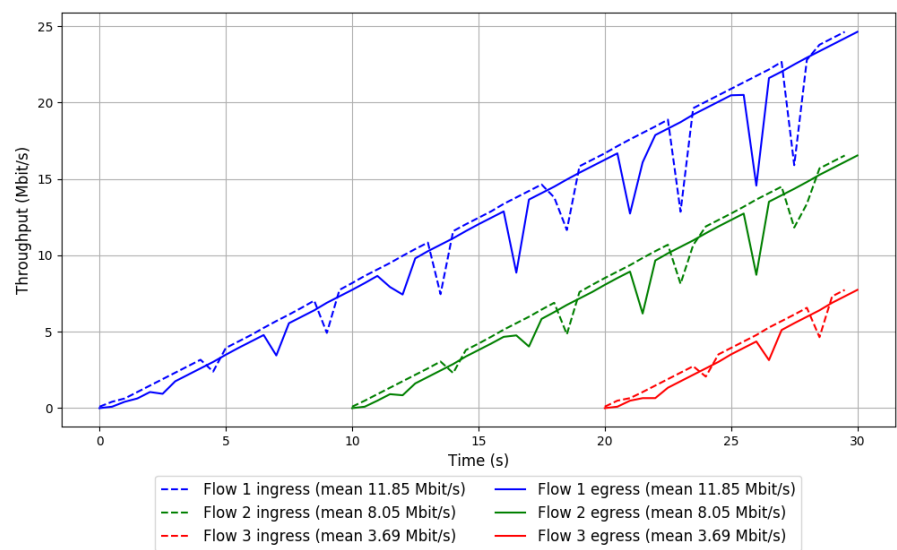


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 03:42:05
End at: 2018-07-18 03:42:35
Local clock offset: -0.117 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-18 09:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 87.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 87.418 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 87.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 86.903 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

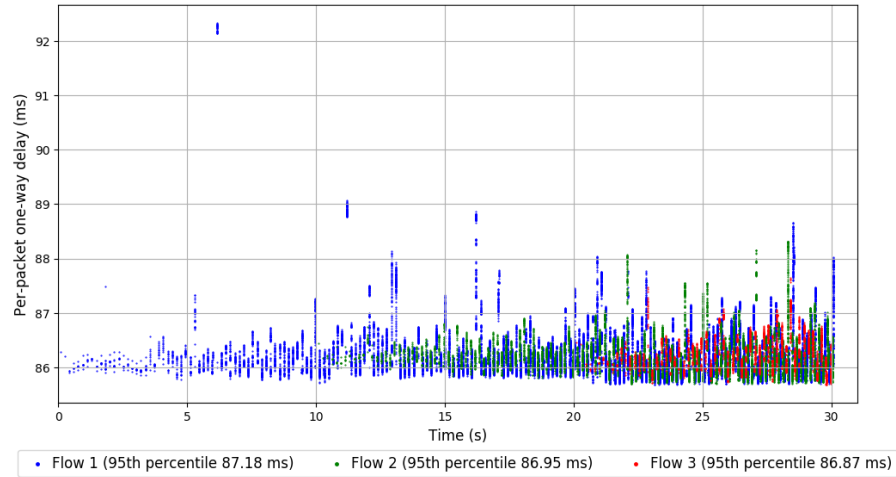
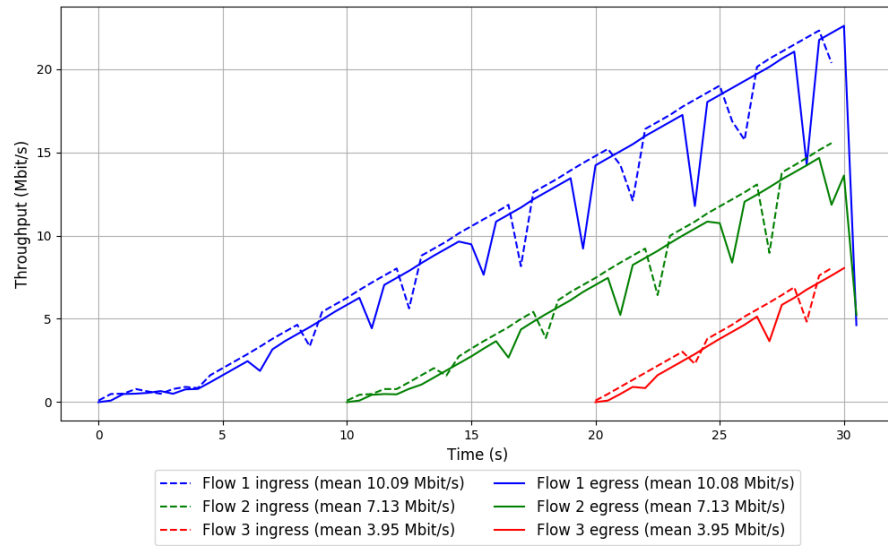


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 04:08:05
End at: 2018-07-18 04:08:35
Local clock offset: 0.085 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-18 09:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 87.074 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 87.181 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 86.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 86.873 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-18 04:34:06

End at: 2018-07-18 04:34:36

Local clock offset: -0.055 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.00 Mbit/s

95th percentile per-packet one-way delay: 87.491 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 11.60 Mbit/s

95th percentile per-packet one-way delay: 87.605 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 87.338 ms

Loss rate: 0.00%

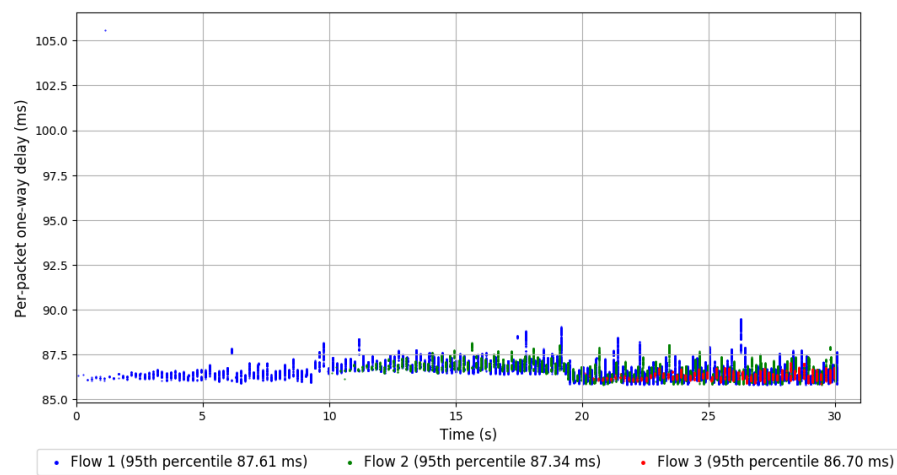
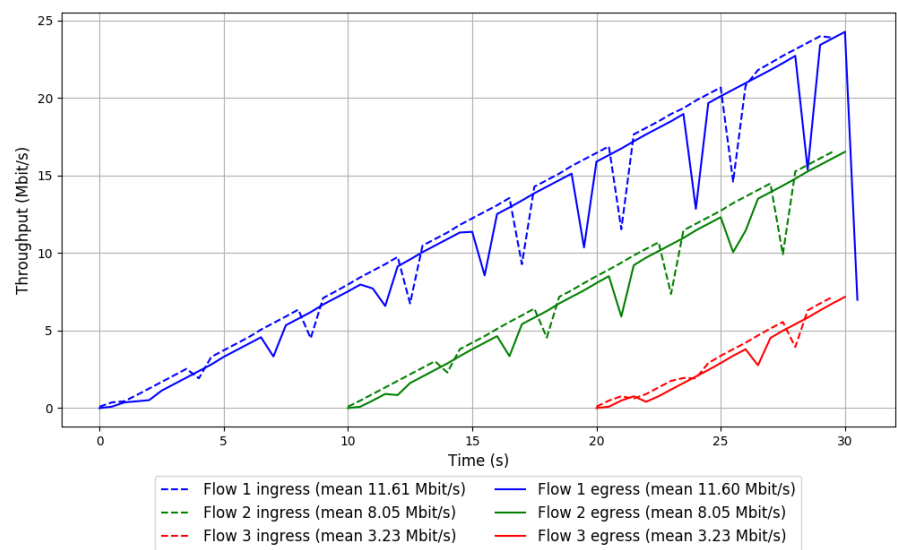
-- Flow 3:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 86.700 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-18 05:00:13

End at: 2018-07-18 05:00:43

Local clock offset: -0.268 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.74 Mbit/s

95th percentile per-packet one-way delay: 87.510 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 87.563 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 87.225 ms

Loss rate: 0.00%

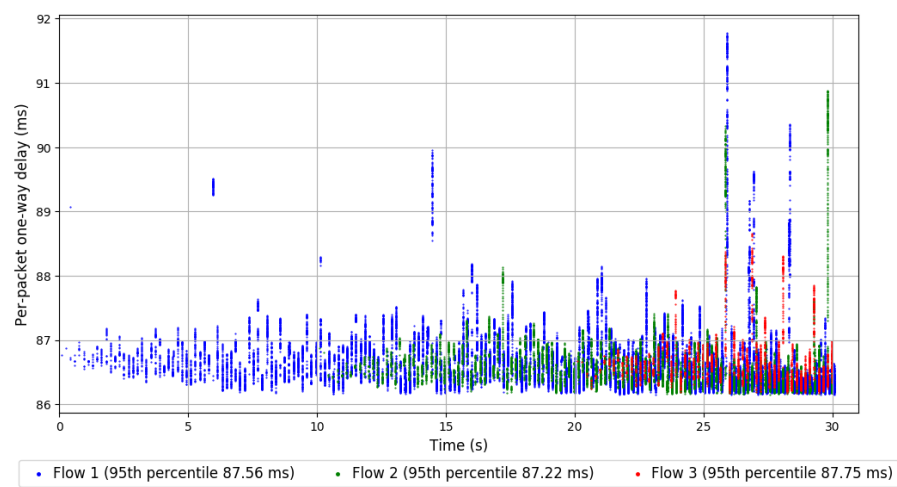
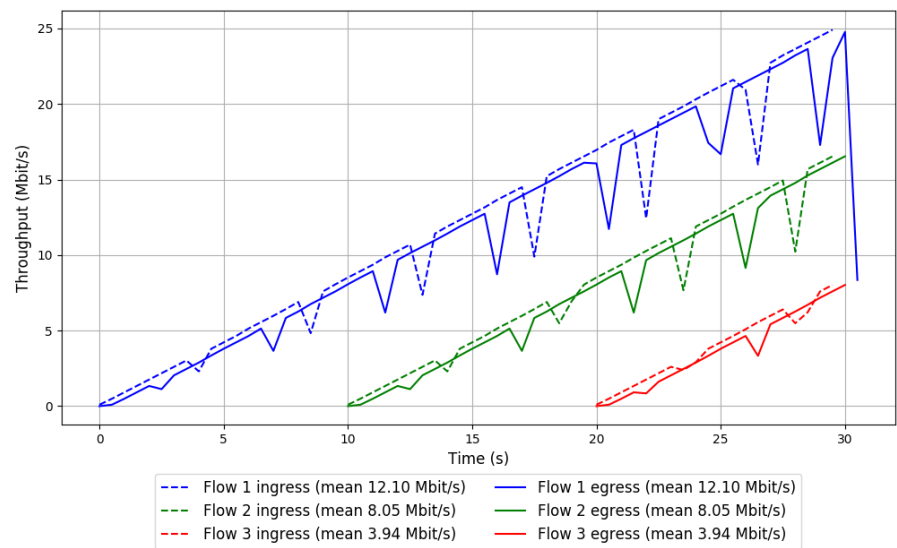
-- Flow 3:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 87.752 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-18 05:26:16

End at: 2018-07-18 05:26:46

Local clock offset: -0.084 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.73 Mbit/s

95th percentile per-packet one-way delay: 87.699 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 87.818 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 87.582 ms

Loss rate: 0.00%

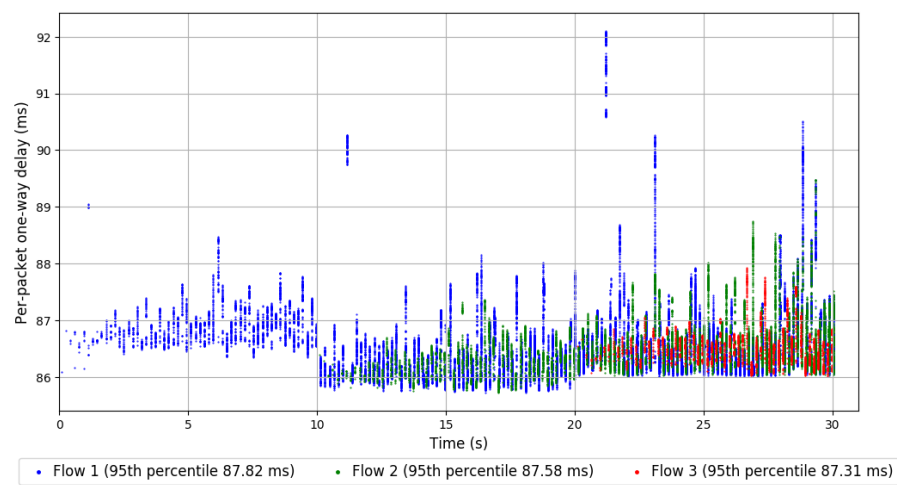
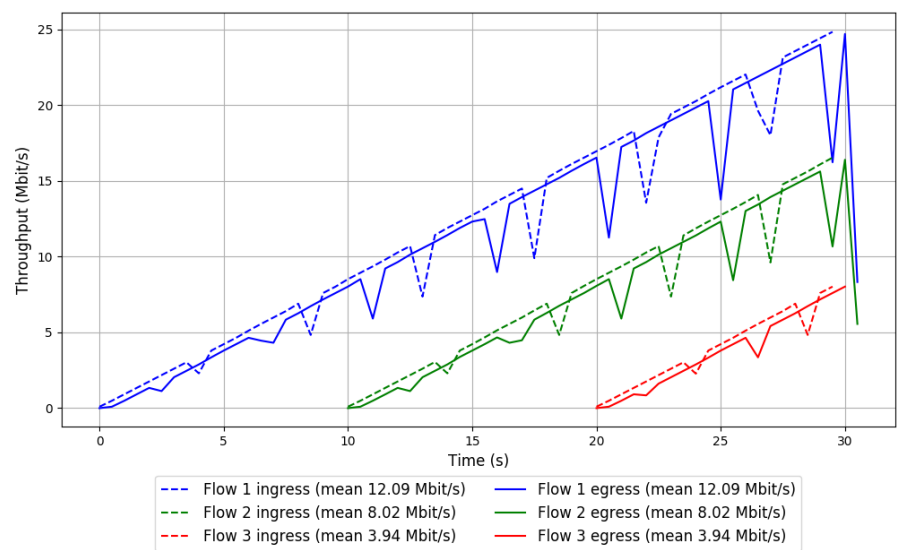
-- Flow 3:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 87.311 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

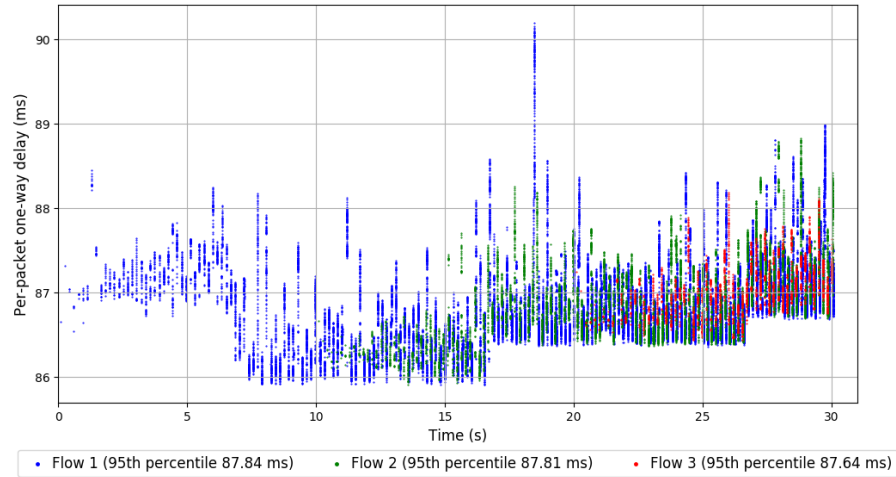
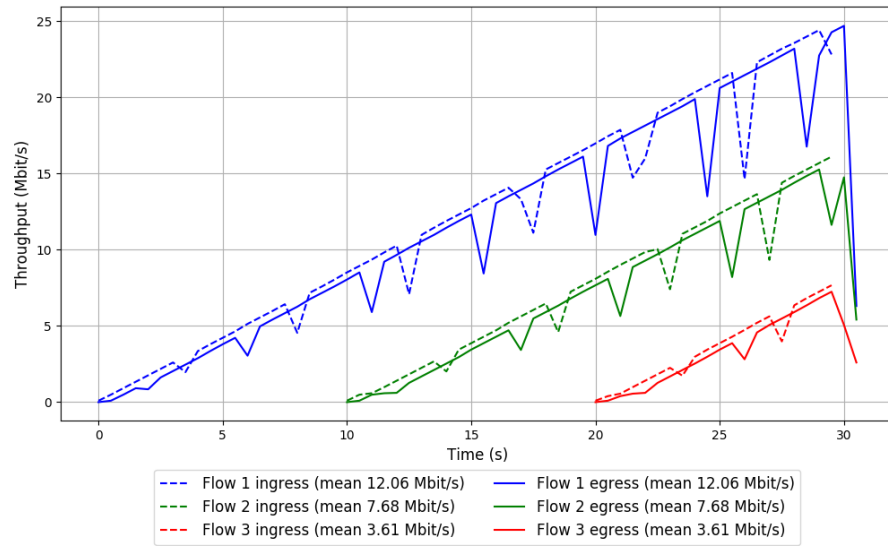


Run 7: Statistics of LEDBAT

Start at: 2018-07-18 05:52:19
End at: 2018-07-18 05:52:49
Local clock offset: -0.298 ms
Remote clock offset: -0.054 ms

```
# Below is generated by plot.py at 2018-07-18 09:23:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 87.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 87.641 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-18 06:18:15

End at: 2018-07-18 06:18:45

Local clock offset: -0.171 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.23 Mbit/s

95th percentile per-packet one-way delay: 87.254 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 87.332 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.37 Mbit/s

95th percentile per-packet one-way delay: 87.137 ms

Loss rate: 0.00%

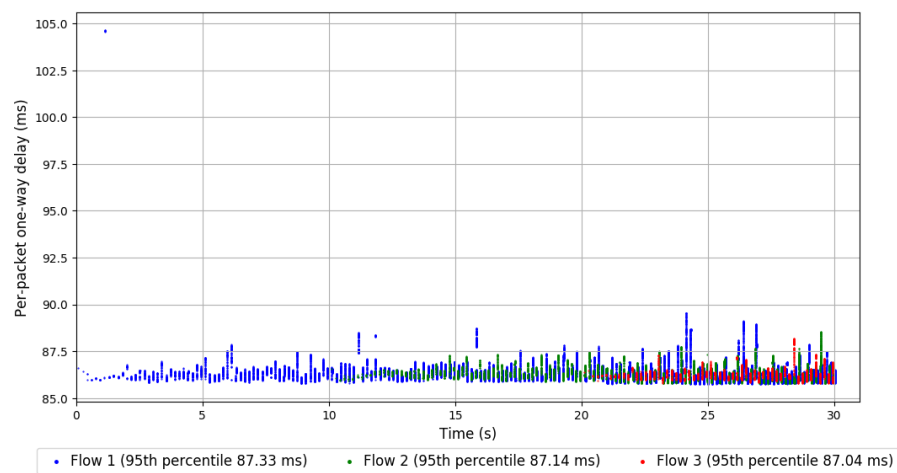
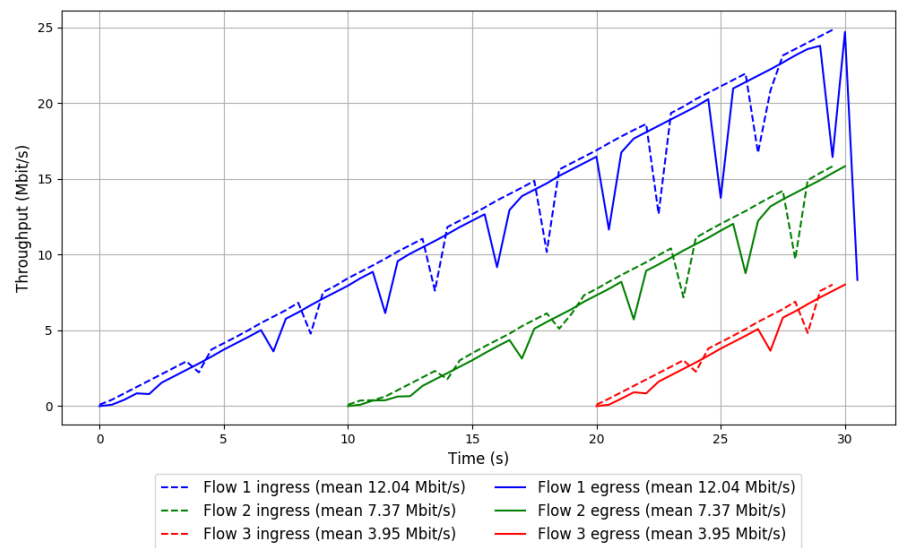
-- Flow 3:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 87.036 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-18 06:44:23

End at: 2018-07-18 06:44:53

Local clock offset: -0.2 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.85 Mbit/s

95th percentile per-packet one-way delay: 87.511 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 87.614 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.38 Mbit/s

95th percentile per-packet one-way delay: 87.415 ms

Loss rate: 0.00%

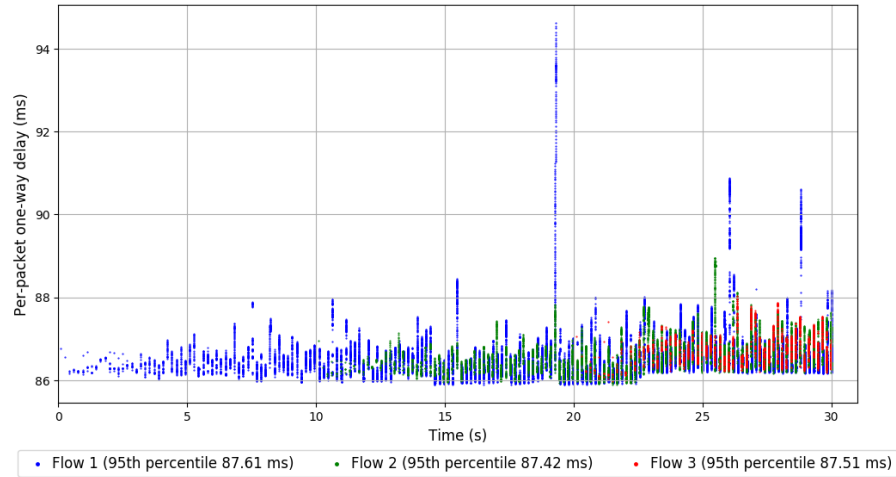
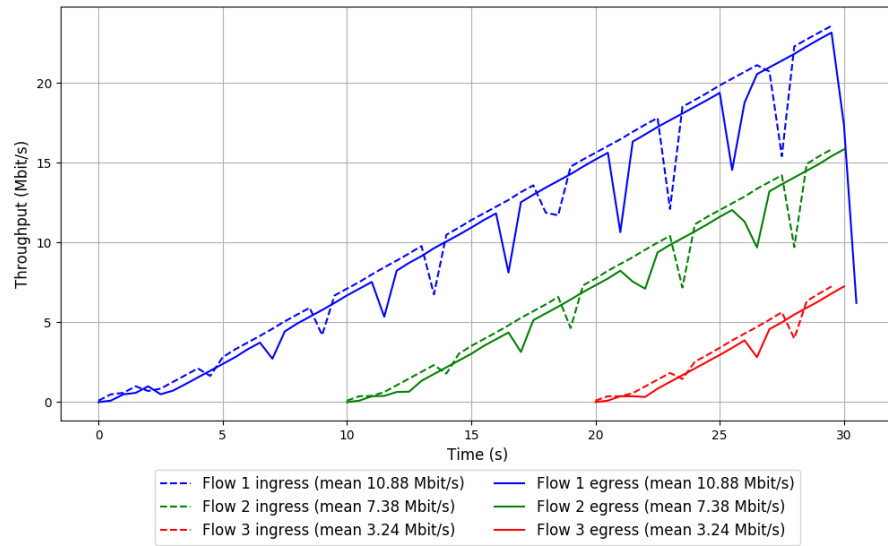
-- Flow 3:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 87.507 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-18 07:10:16

End at: 2018-07-18 07:10:46

Local clock offset: -0.204 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-07-18 09:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.17 Mbit/s

95th percentile per-packet one-way delay: 87.679 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 87.729 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 87.692 ms

Loss rate: 0.00%

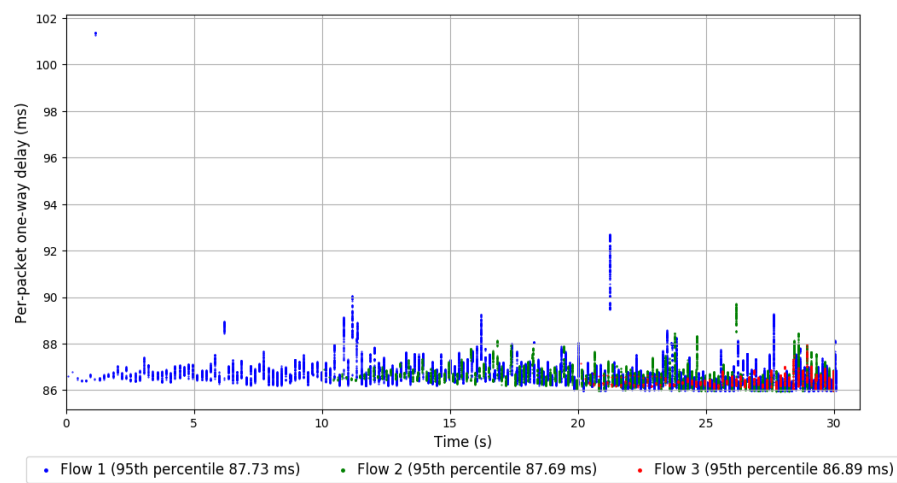
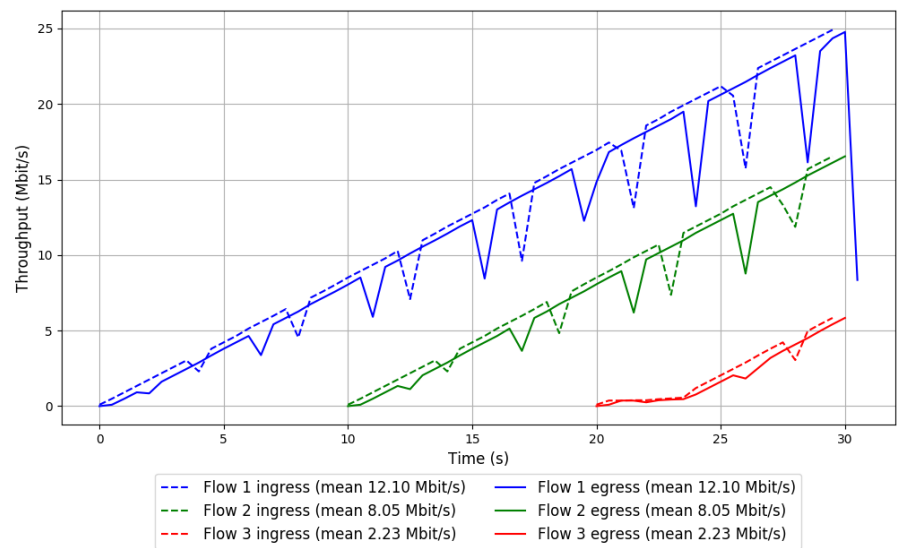
-- Flow 3:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 86.892 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

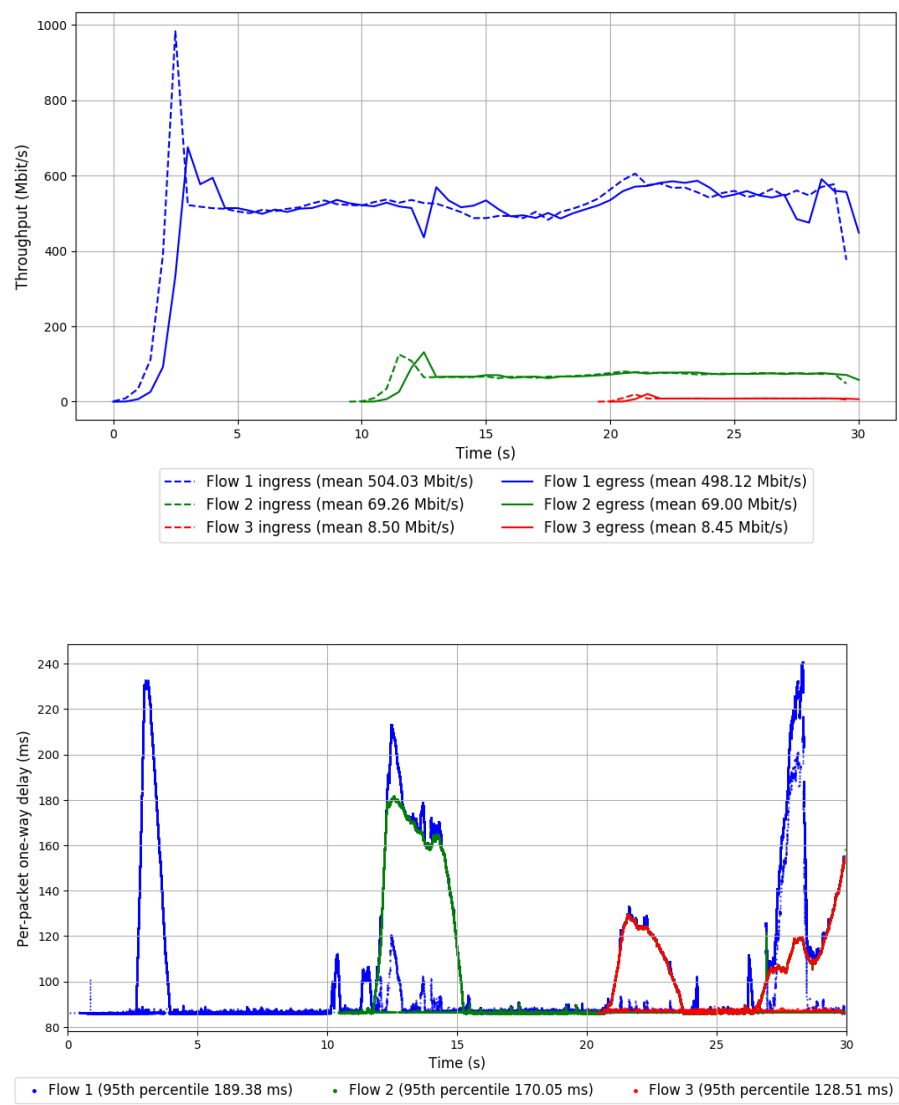


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 03:25:36
End at: 2018-07-18 03:26:06
Local clock offset: -0.161 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-18 09:23:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 546.76 Mbit/s
95th percentile per-packet one-way delay: 184.857 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 498.12 Mbit/s
95th percentile per-packet one-way delay: 189.380 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 170.052 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 128.513 ms
Loss rate: 0.67%

Run 1: Report of PCC-Allegro — Data Link

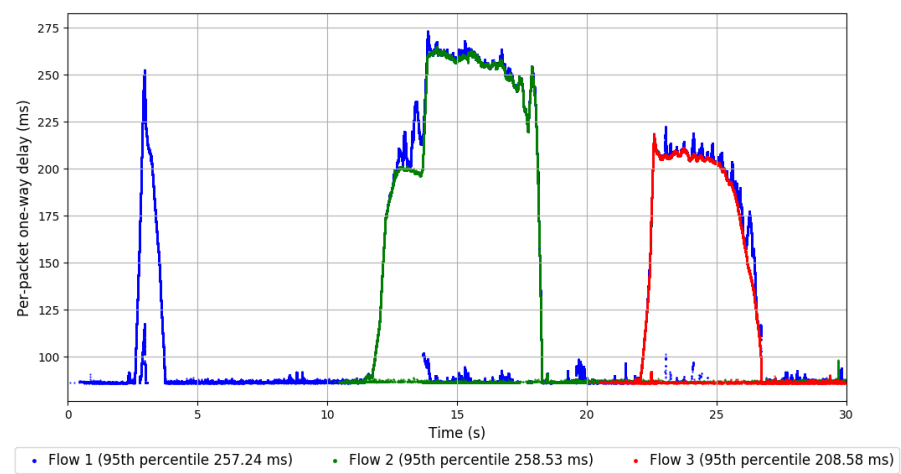
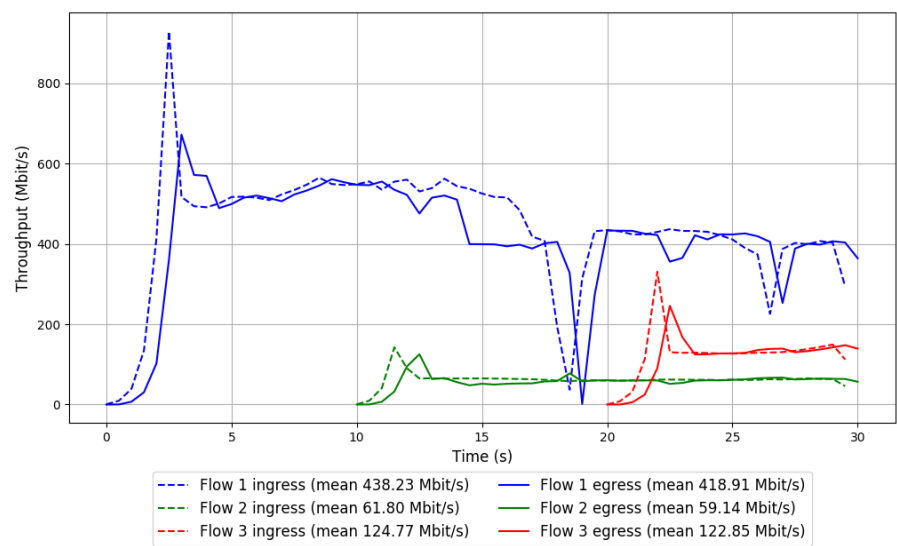


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 03:51:24
End at: 2018-07-18 03:51:54
Local clock offset: -0.068 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-18 09:23:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 498.57 Mbit/s
95th percentile per-packet one-way delay: 256.431 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 418.91 Mbit/s
95th percentile per-packet one-way delay: 257.238 ms
Loss rate: 4.41%
-- Flow 2:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 258.527 ms
Loss rate: 4.30%
-- Flow 3:
Average throughput: 122.85 Mbit/s
95th percentile per-packet one-way delay: 208.576 ms
Loss rate: 1.54%

Run 2: Report of PCC-Allegro — Data Link

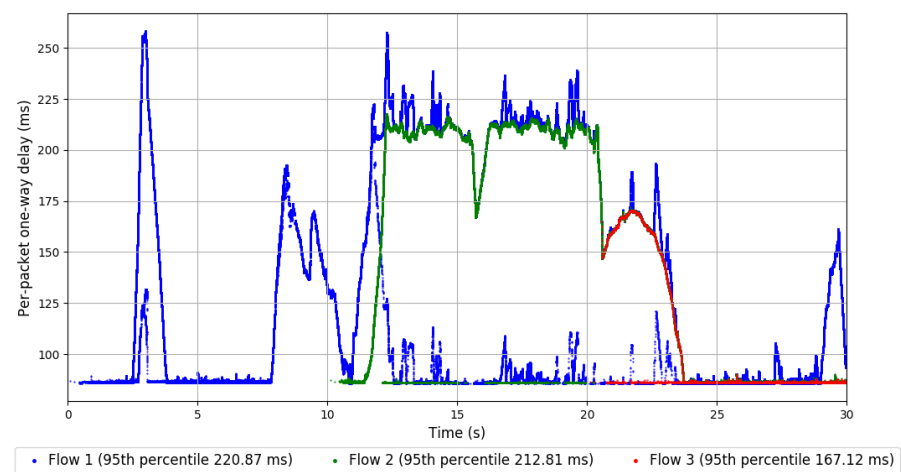
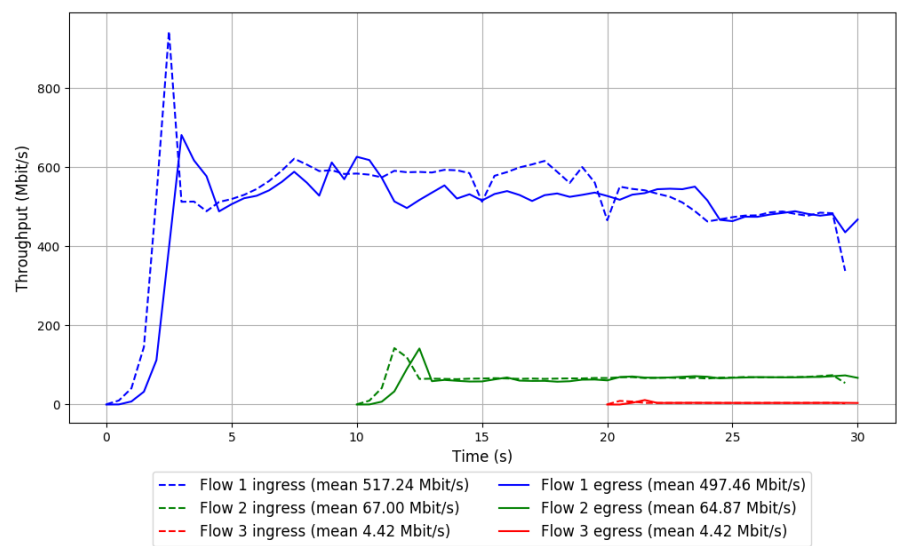


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 04:17:25
End at: 2018-07-18 04:17:55
Local clock offset: -0.004 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-18 09:23:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 542.02 Mbit/s
95th percentile per-packet one-way delay: 219.921 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 497.46 Mbit/s
95th percentile per-packet one-way delay: 220.869 ms
Loss rate: 3.82%
-- Flow 2:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 212.814 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 167.118 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 04:43:26

End at: 2018-07-18 04:43:56

Local clock offset: -0.132 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-07-18 09:23:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 477.12 Mbit/s

95th percentile per-packet one-way delay: 255.790 ms

Loss rate: 3.94%

-- Flow 1:

Average throughput: 435.21 Mbit/s

95th percentile per-packet one-way delay: 256.559 ms

Loss rate: 4.02%

-- Flow 2:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 253.222 ms

Loss rate: 4.05%

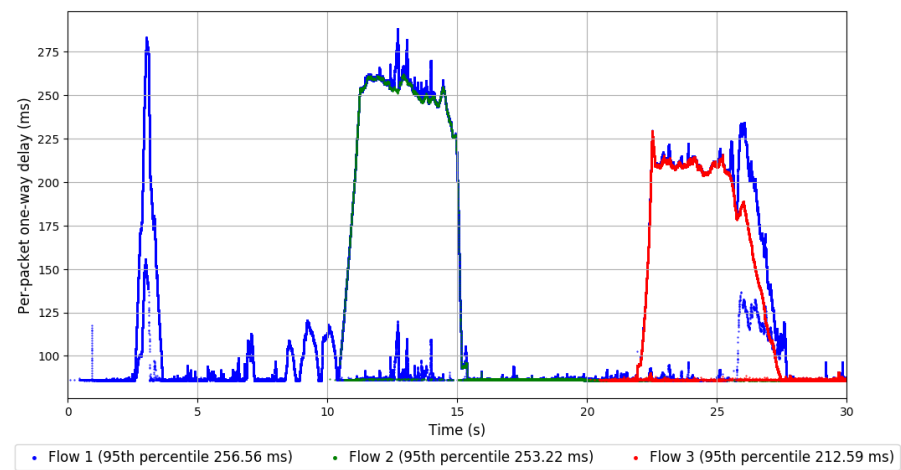
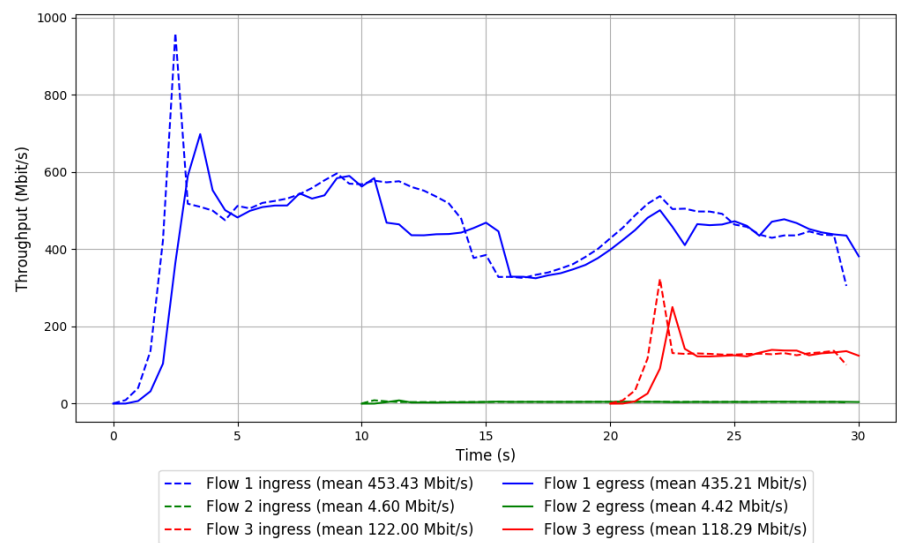
-- Flow 3:

Average throughput: 118.29 Mbit/s

95th percentile per-packet one-way delay: 212.590 ms

Loss rate: 3.06%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 05:09:27

End at: 2018-07-18 05:09:57

Local clock offset: -0.113 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-18 09:30:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 549.78 Mbit/s

95th percentile per-packet one-way delay: 230.141 ms

Loss rate: 3.13%

-- Flow 1:

Average throughput: 471.75 Mbit/s

95th percentile per-packet one-way delay: 234.726 ms

Loss rate: 3.04%

-- Flow 2:

Average throughput: 61.68 Mbit/s

95th percentile per-packet one-way delay: 211.661 ms

Loss rate: 2.17%

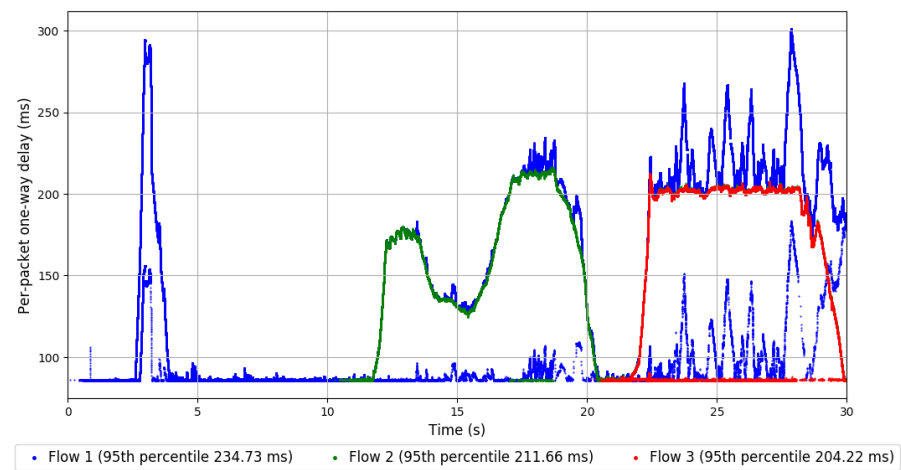
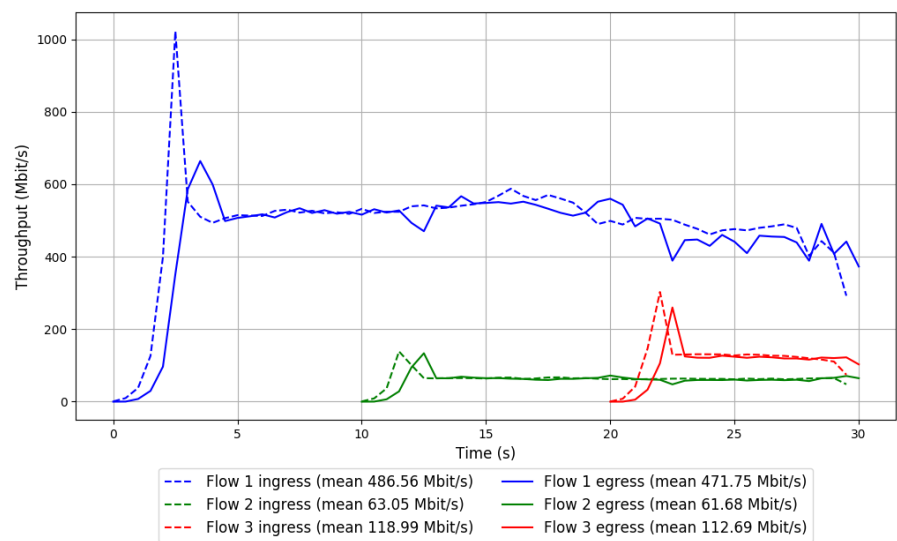
-- Flow 3:

Average throughput: 112.69 Mbit/s

95th percentile per-packet one-way delay: 204.223 ms

Loss rate: 5.30%

Run 5: Report of PCC-Allegro — Data Link

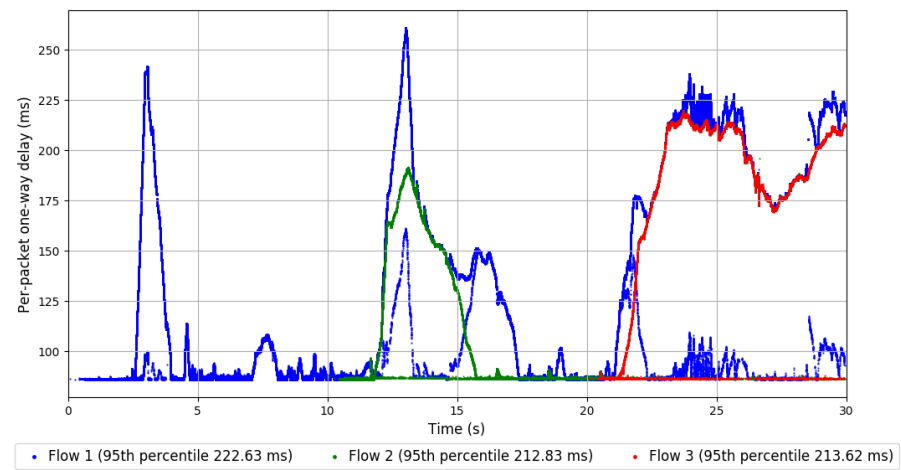
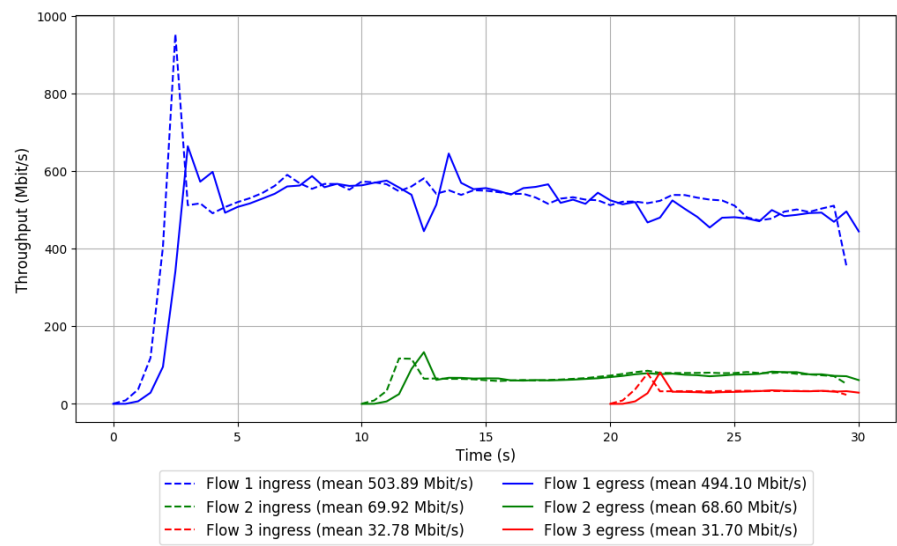


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 05:35:31
End at: 2018-07-18 05:36:01
Local clock offset: -0.196 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-18 09:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 550.15 Mbit/s
95th percentile per-packet one-way delay: 222.060 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 494.10 Mbit/s
95th percentile per-packet one-way delay: 222.634 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 212.834 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 213.616 ms
Loss rate: 3.29%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 06:01:29

End at: 2018-07-18 06:01:59

Local clock offset: 0.002 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-18 09:31:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 525.21 Mbit/s

95th percentile per-packet one-way delay: 216.515 ms

Loss rate: 2.84%

-- Flow 1:

Average throughput: 405.80 Mbit/s

95th percentile per-packet one-way delay: 218.400 ms

Loss rate: 2.72%

-- Flow 2:

Average throughput: 122.79 Mbit/s

95th percentile per-packet one-way delay: 212.109 ms

Loss rate: 2.67%

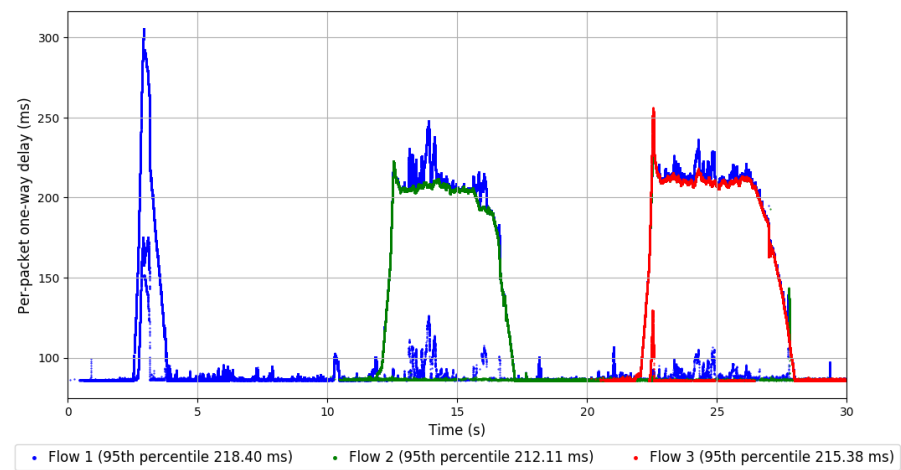
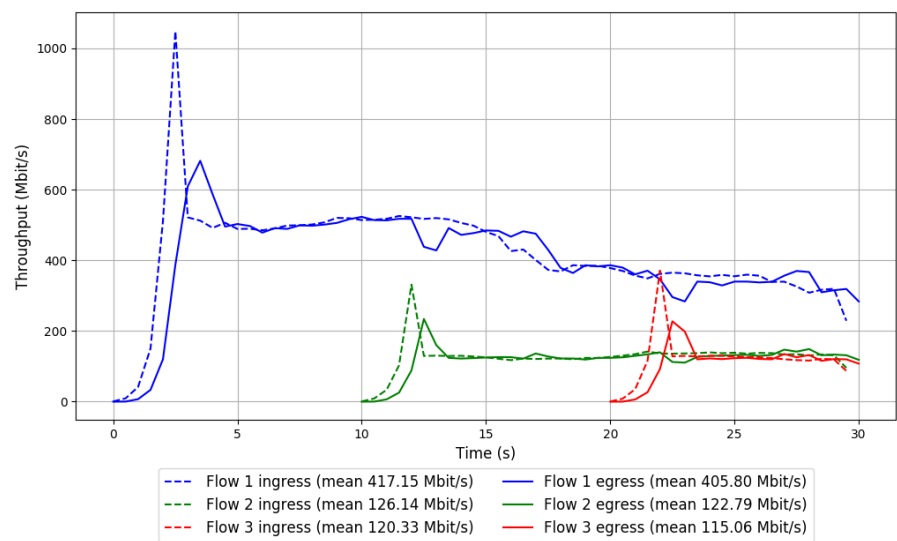
-- Flow 3:

Average throughput: 115.06 Mbit/s

95th percentile per-packet one-way delay: 215.384 ms

Loss rate: 4.39%

Run 7: Report of PCC-Allegro — Data Link

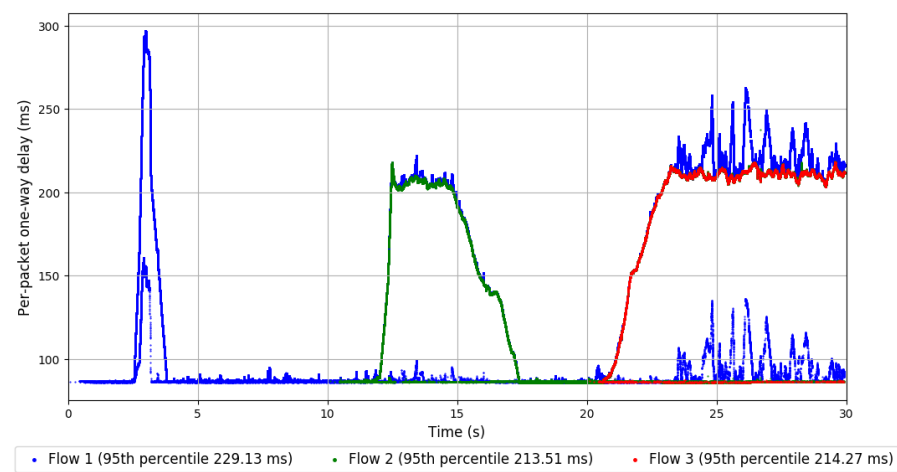
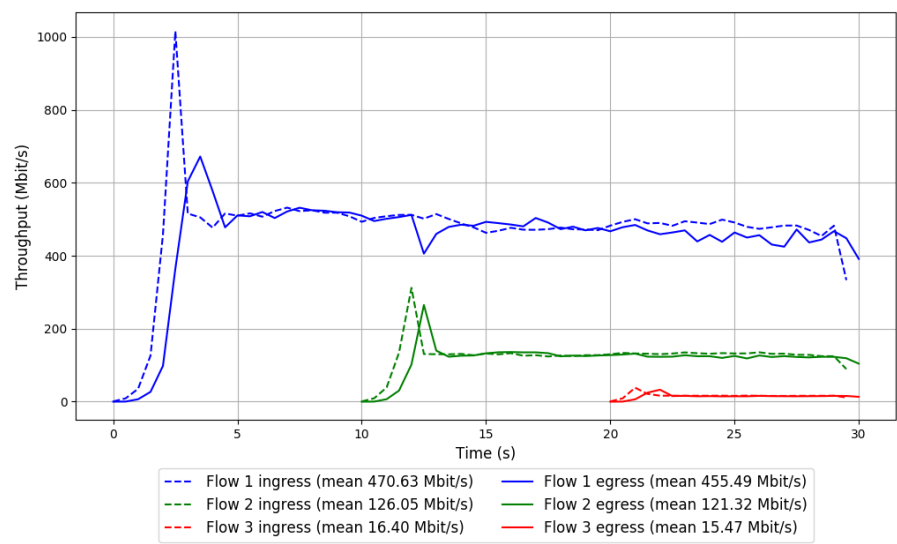


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 06:27:39
End at: 2018-07-18 06:28:09
Local clock offset: -0.211 ms
Remote clock offset: -0.062 ms

```
# Below is generated by plot.py at 2018-07-18 09:33:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 541.19 Mbit/s
95th percentile per-packet one-way delay: 226.279 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 455.49 Mbit/s
95th percentile per-packet one-way delay: 229.133 ms
Loss rate: 3.22%
-- Flow 2:
Average throughput: 121.32 Mbit/s
95th percentile per-packet one-way delay: 213.509 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 214.271 ms
Loss rate: 5.67%
```

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 06:53:32

End at: 2018-07-18 06:54:02

Local clock offset: -0.078 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-07-18 09:33:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 551.42 Mbit/s

95th percentile per-packet one-way delay: 214.588 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 489.93 Mbit/s

95th percentile per-packet one-way delay: 216.877 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 61.34 Mbit/s

95th percentile per-packet one-way delay: 204.332 ms

Loss rate: 0.23%

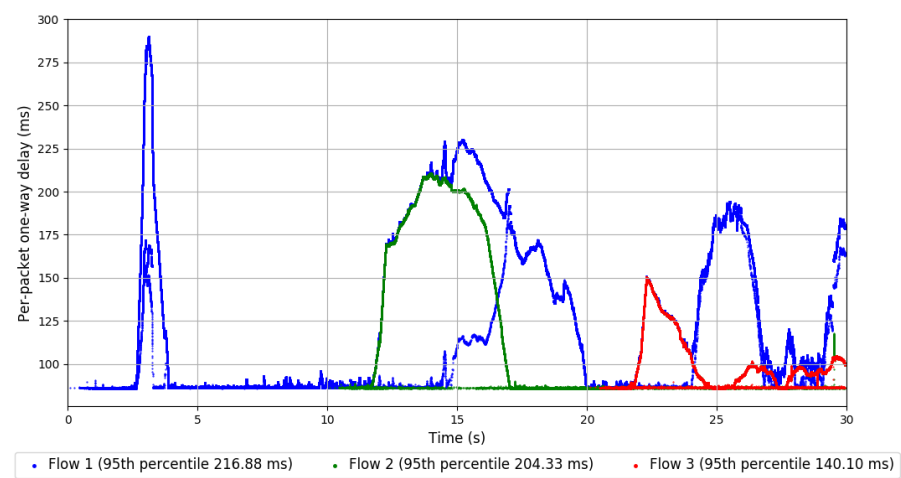
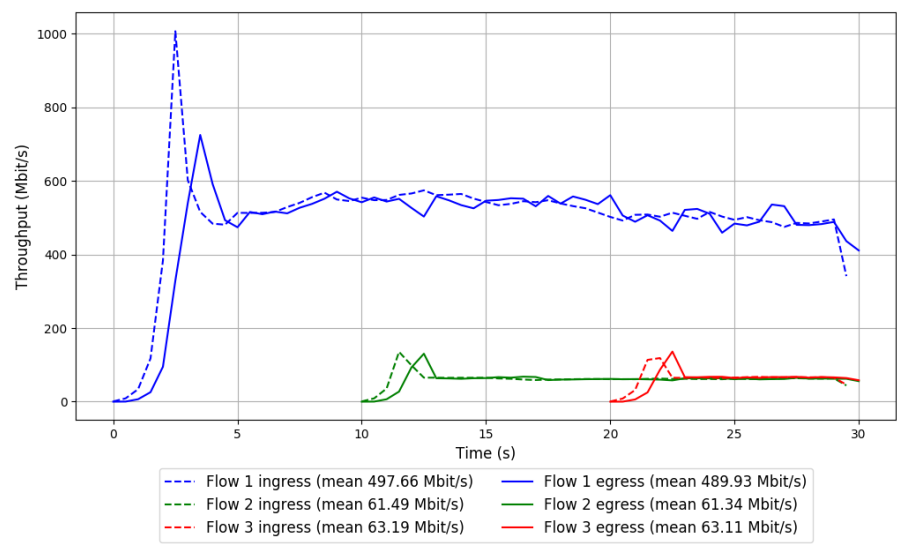
-- Flow 3:

Average throughput: 63.11 Mbit/s

95th percentile per-packet one-way delay: 140.097 ms

Loss rate: 0.13%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 07:19:37

End at: 2018-07-18 07:20:07

Local clock offset: -0.063 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-07-18 09:33:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 534.88 Mbit/s

95th percentile per-packet one-way delay: 212.227 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 479.02 Mbit/s

95th percentile per-packet one-way delay: 212.253 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 81.88 Mbit/s

95th percentile per-packet one-way delay: 211.972 ms

Loss rate: 0.67%

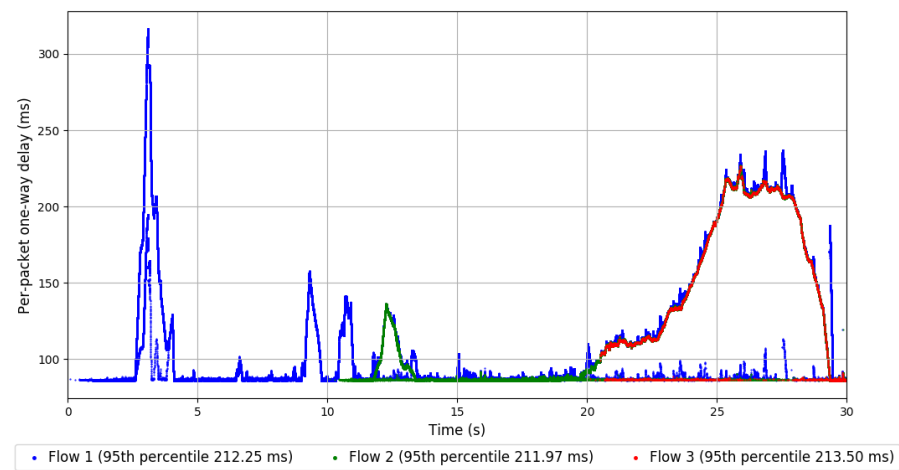
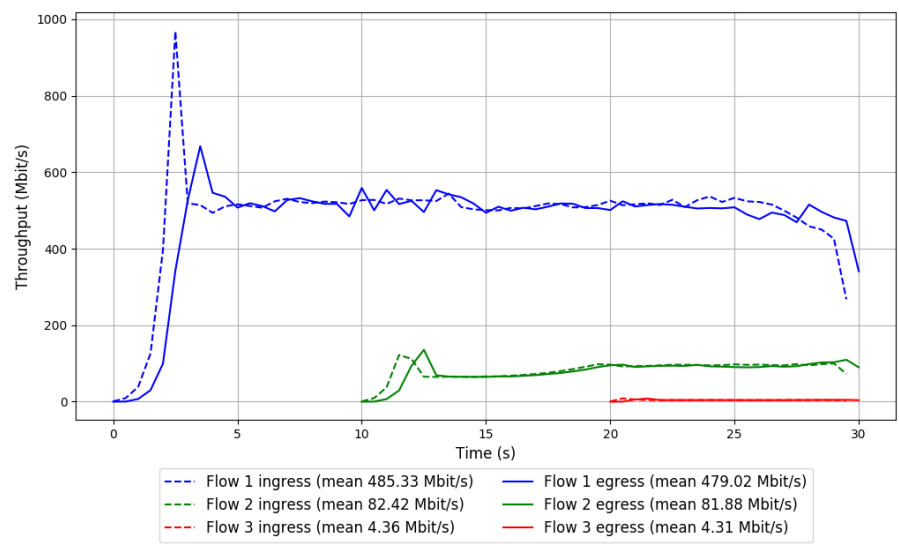
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 213.497 ms

Loss rate: 1.23%

Run 10: Report of PCC-Allegro — Data Link

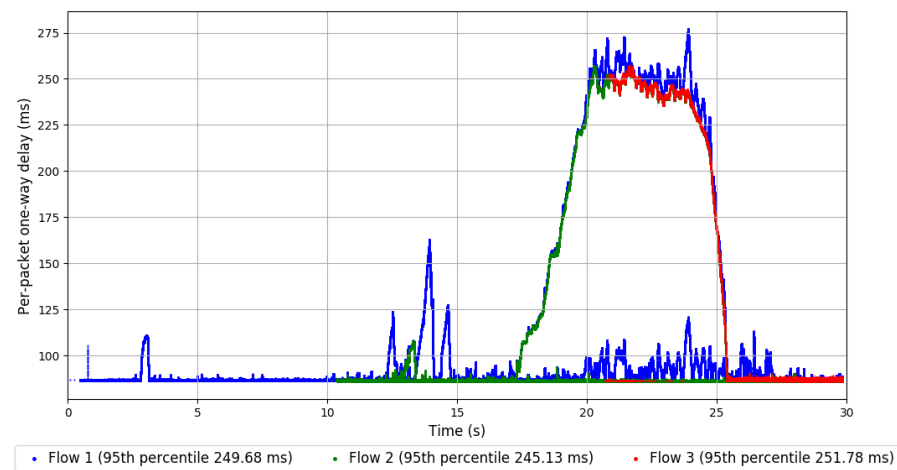
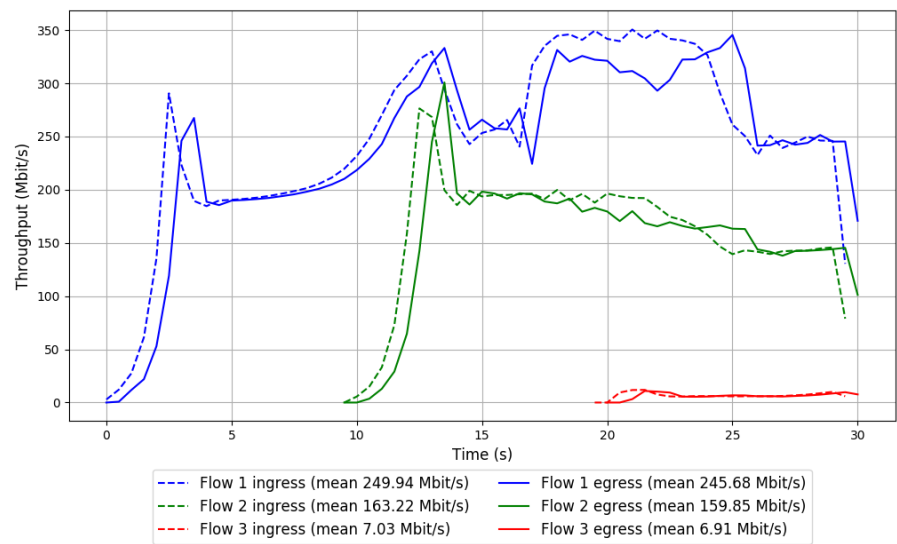


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 03:28:48
End at: 2018-07-18 03:29:18
Local clock offset: -0.171 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-18 09:35:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.68 Mbit/s
95th percentile per-packet one-way delay: 248.153 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 245.68 Mbit/s
95th percentile per-packet one-way delay: 249.677 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 159.85 Mbit/s
95th percentile per-packet one-way delay: 245.127 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 251.782 ms
Loss rate: 3.57%
```


Run 1: Report of PCC-Expr — Data Link

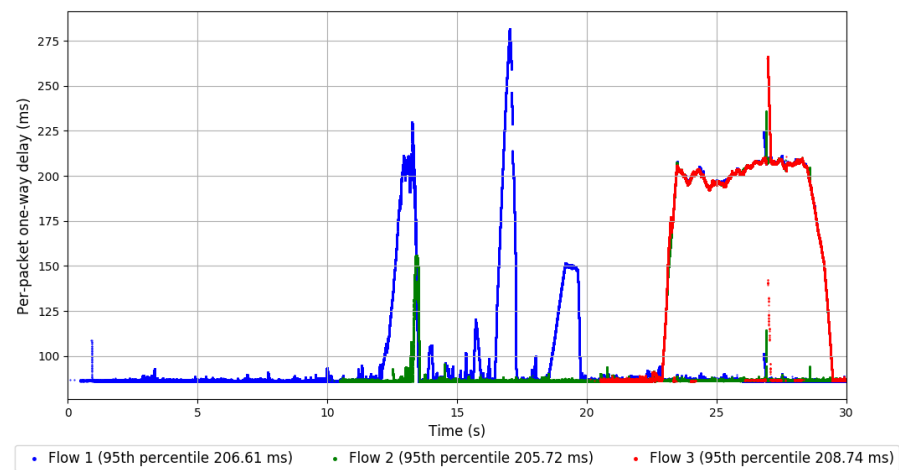
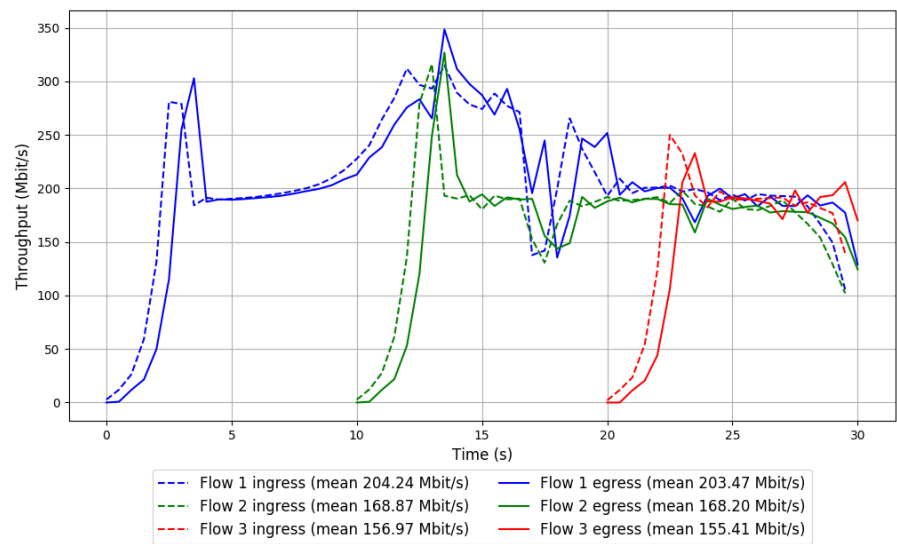


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 03:54:40
End at: 2018-07-18 03:55:10
Local clock offset: -0.071 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-18 09:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.60 Mbit/s
95th percentile per-packet one-way delay: 207.384 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 203.47 Mbit/s
95th percentile per-packet one-way delay: 206.612 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 168.20 Mbit/s
95th percentile per-packet one-way delay: 205.720 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 155.41 Mbit/s
95th percentile per-packet one-way delay: 208.741 ms
Loss rate: 1.00%
```

Run 2: Report of PCC-Expr — Data Link

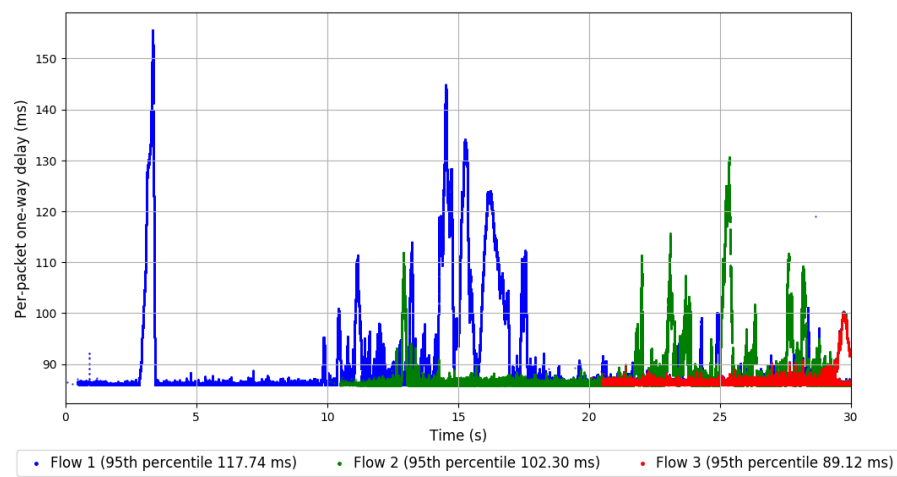
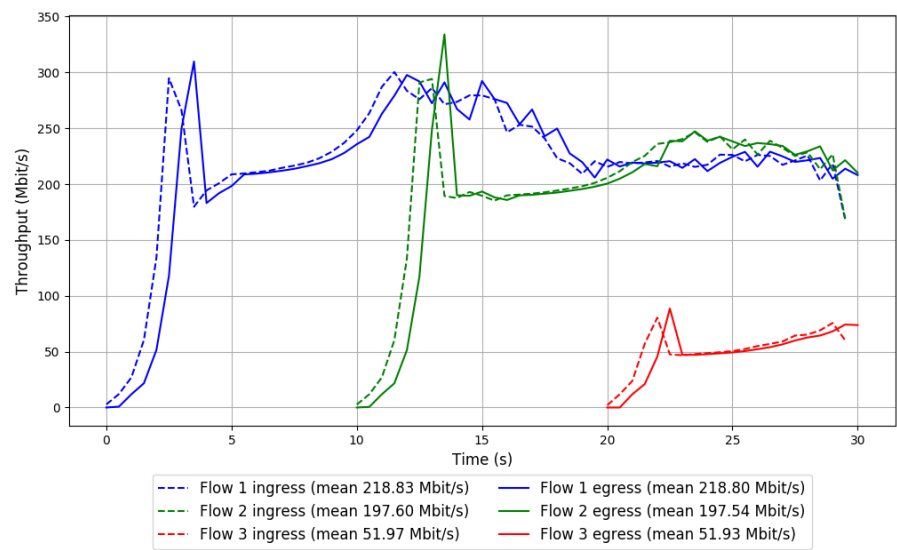


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 04:20:44
End at: 2018-07-18 04:21:14
Local clock offset: -0.107 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-18 09:42:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.28 Mbit/s
95th percentile per-packet one-way delay: 110.362 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 218.80 Mbit/s
95th percentile per-packet one-way delay: 117.744 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 197.54 Mbit/s
95th percentile per-packet one-way delay: 102.300 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 89.118 ms
Loss rate: 0.07%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 04:46:42

End at: 2018-07-18 04:47:12

Local clock offset: -0.127 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-07-18 09:43:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 371.60 Mbit/s

95th percentile per-packet one-way delay: 229.276 ms

Loss rate: 3.75%

-- Flow 1:

Average throughput: 256.77 Mbit/s

95th percentile per-packet one-way delay: 231.860 ms

Loss rate: 5.33%

-- Flow 2:

Average throughput: 148.27 Mbit/s

95th percentile per-packet one-way delay: 95.189 ms

Loss rate: 0.00%

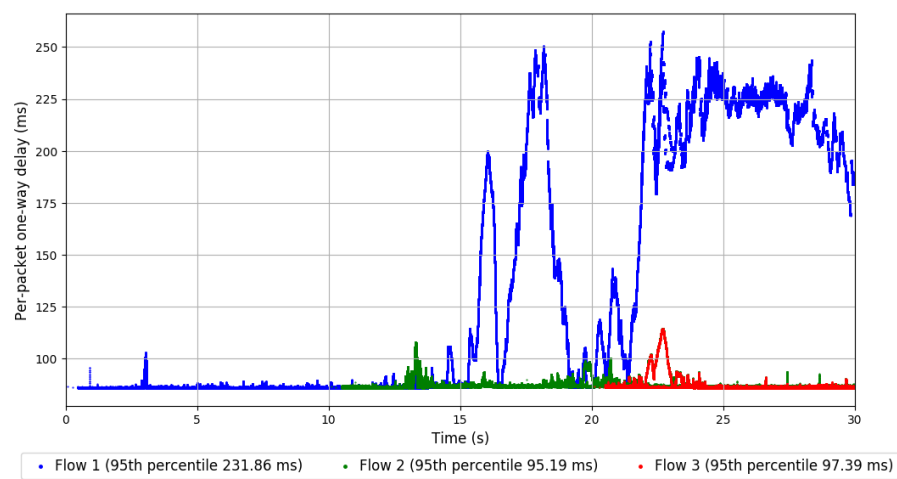
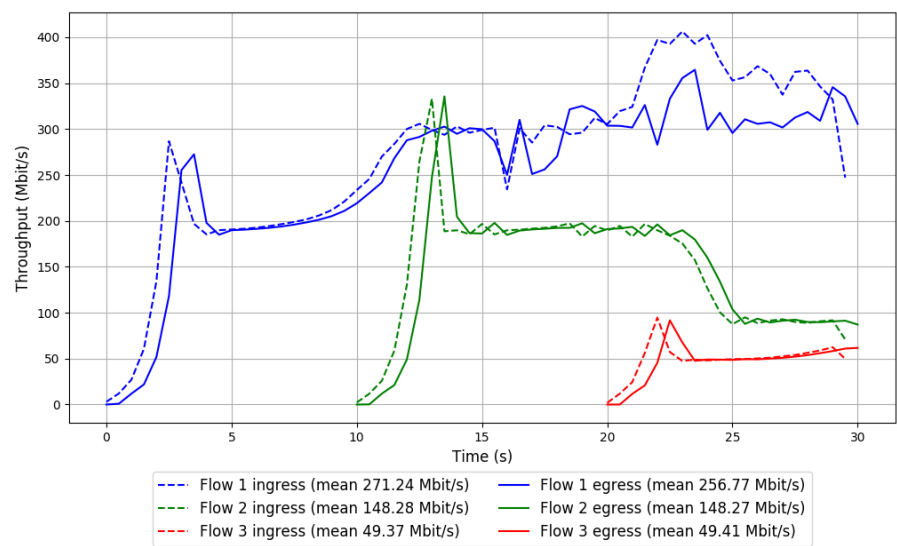
-- Flow 3:

Average throughput: 49.41 Mbit/s

95th percentile per-packet one-way delay: 97.389 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 05:12:46

End at: 2018-07-18 05:13:17

Local clock offset: -0.101 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-18 09:43:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.83 Mbit/s

95th percentile per-packet one-way delay: 124.305 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 202.85 Mbit/s

95th percentile per-packet one-way delay: 98.833 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 213.67 Mbit/s

95th percentile per-packet one-way delay: 173.524 ms

Loss rate: 0.05%

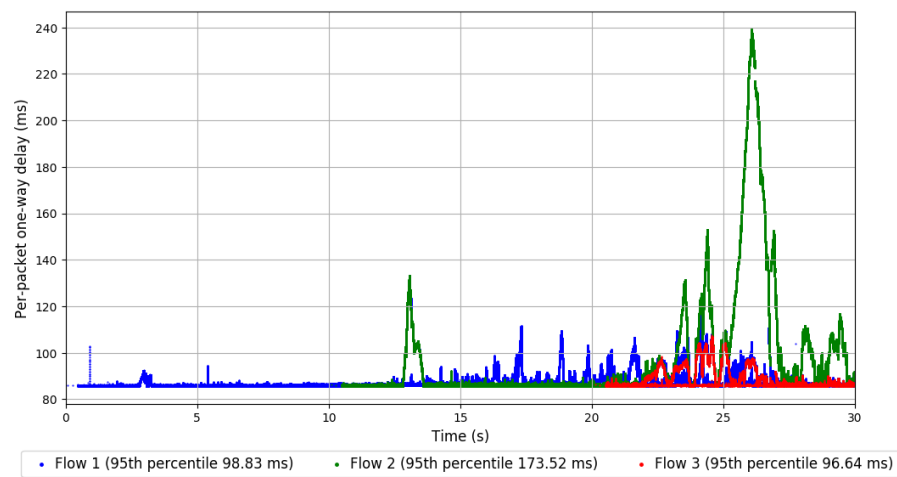
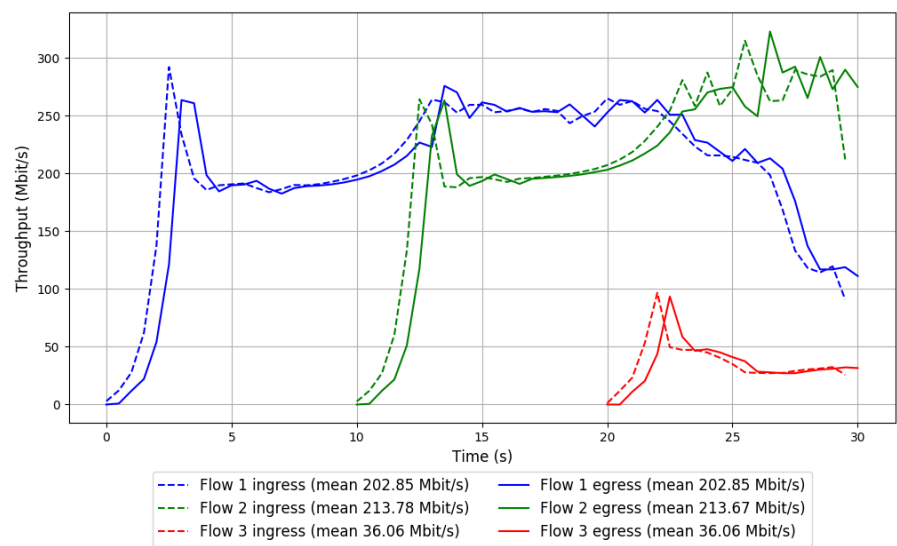
-- Flow 3:

Average throughput: 36.06 Mbit/s

95th percentile per-packet one-way delay: 96.640 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 05:38:51

End at: 2018-07-18 05:39:21

Local clock offset: -0.339 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-18 09:46:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.77 Mbit/s

95th percentile per-packet one-way delay: 189.334 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 236.40 Mbit/s

95th percentile per-packet one-way delay: 203.487 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 185.11 Mbit/s

95th percentile per-packet one-way delay: 123.529 ms

Loss rate: 0.00%

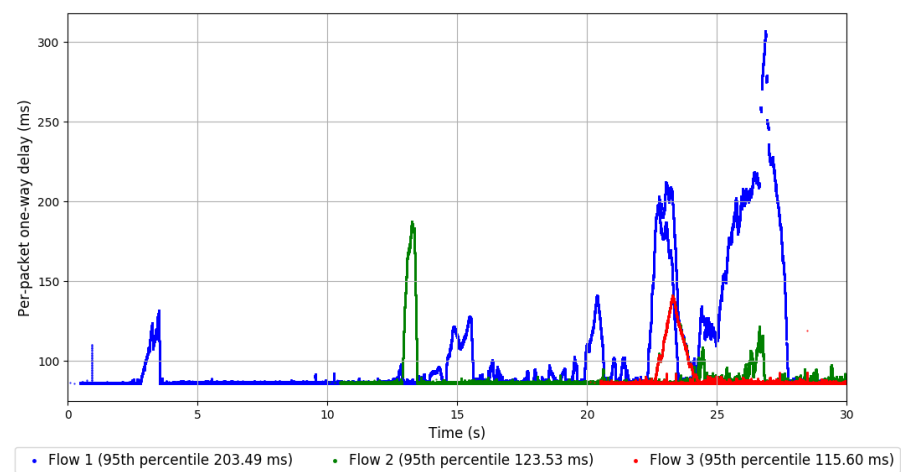
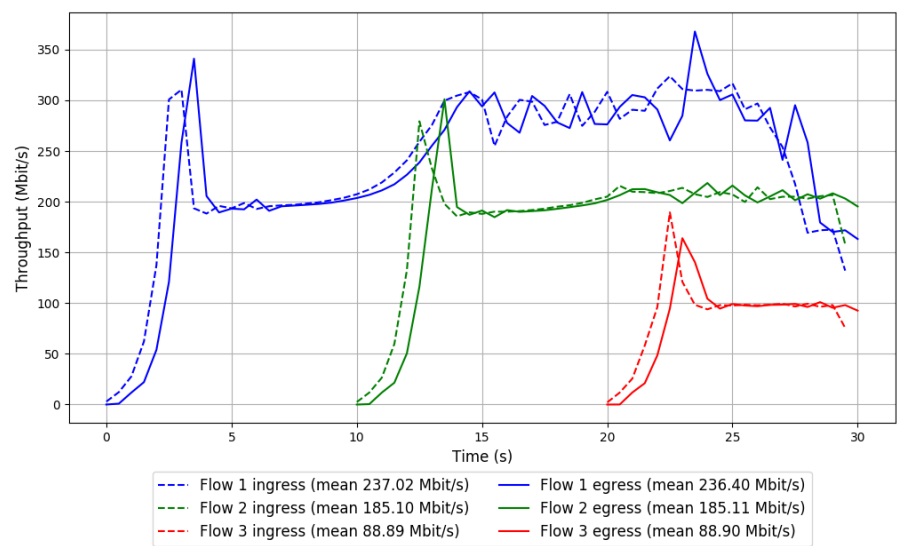
-- Flow 3:

Average throughput: 88.90 Mbit/s

95th percentile per-packet one-way delay: 115.602 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

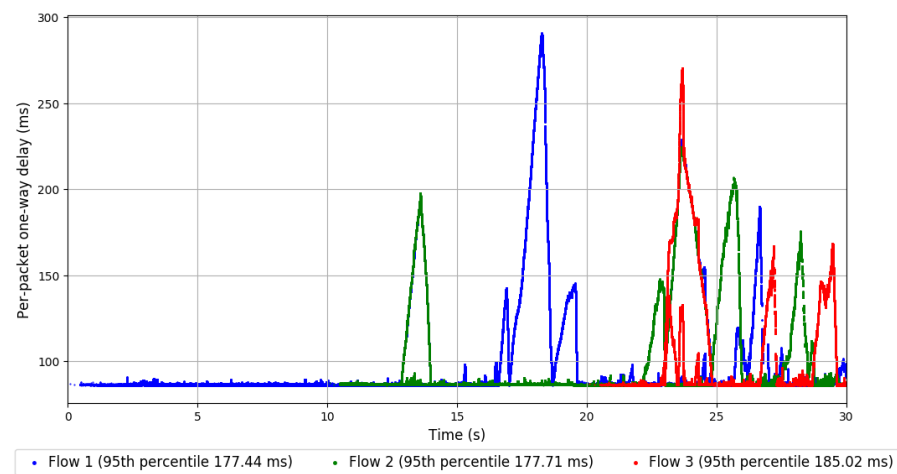
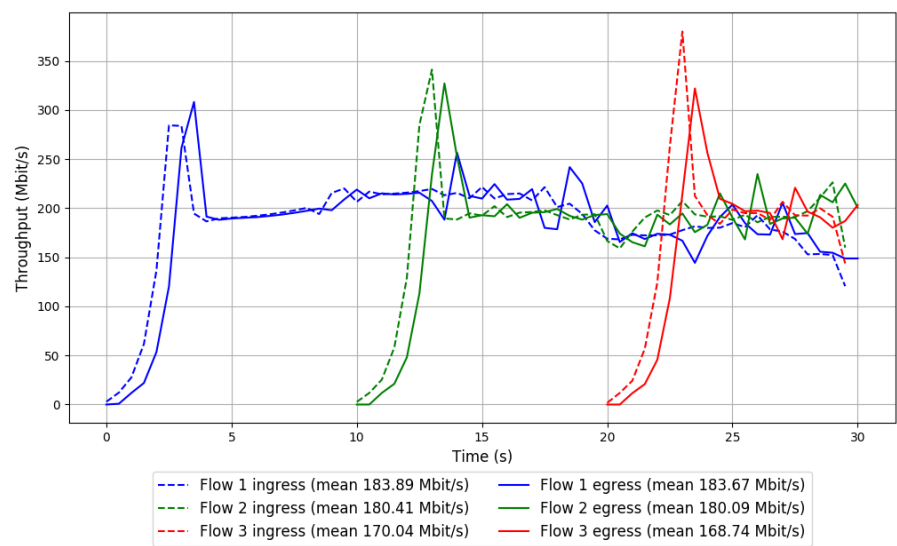


Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 06:04:46
End at: 2018-07-18 06:05:16
Local clock offset: -0.44 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-18 09:46:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.12 Mbit/s
95th percentile per-packet one-way delay: 180.367 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 183.67 Mbit/s
95th percentile per-packet one-way delay: 177.437 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 180.09 Mbit/s
95th percentile per-packet one-way delay: 177.706 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 168.74 Mbit/s
95th percentile per-packet one-way delay: 185.021 ms
Loss rate: 0.77%

Run 7: Report of PCC-Expr — Data Link

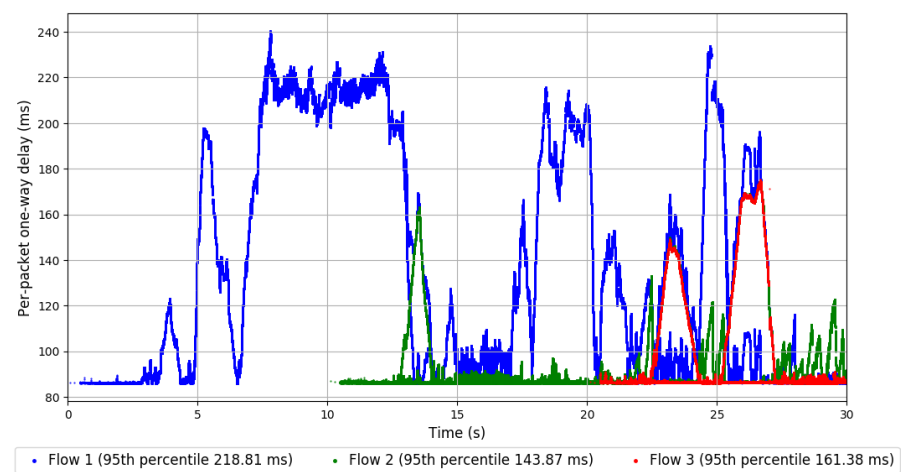
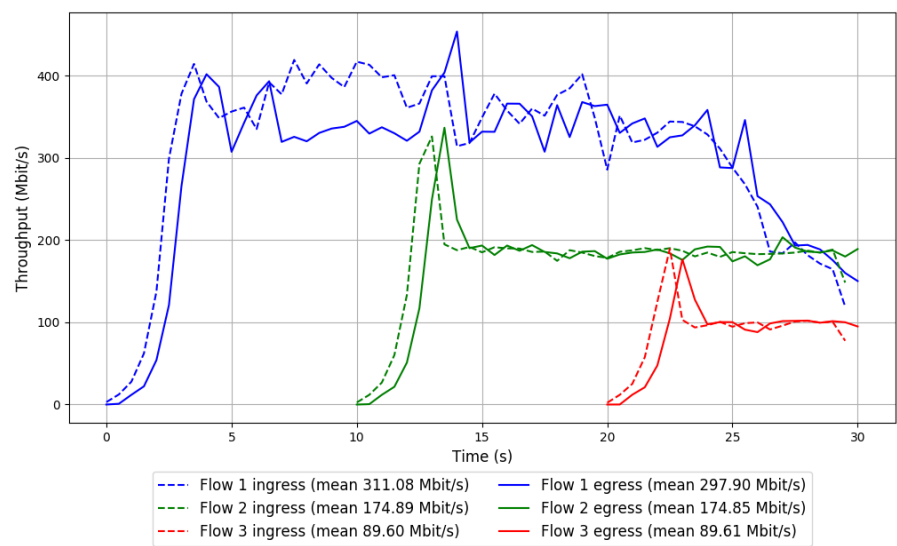


Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 06:30:56
End at: 2018-07-18 06:31:26
Local clock offset: -0.287 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.68 Mbit/s
95th percentile per-packet one-way delay: 216.470 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 297.90 Mbit/s
95th percentile per-packet one-way delay: 218.811 ms
Loss rate: 4.24%
-- Flow 2:
Average throughput: 174.85 Mbit/s
95th percentile per-packet one-way delay: 143.870 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 161.375 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 06:56:50

End at: 2018-07-18 06:57:20

Local clock offset: -0.19 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.83 Mbit/s

95th percentile per-packet one-way delay: 236.096 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 213.03 Mbit/s

95th percentile per-packet one-way delay: 244.237 ms

Loss rate: 1.85%

-- Flow 2:

Average throughput: 191.18 Mbit/s

95th percentile per-packet one-way delay: 153.323 ms

Loss rate: 0.05%

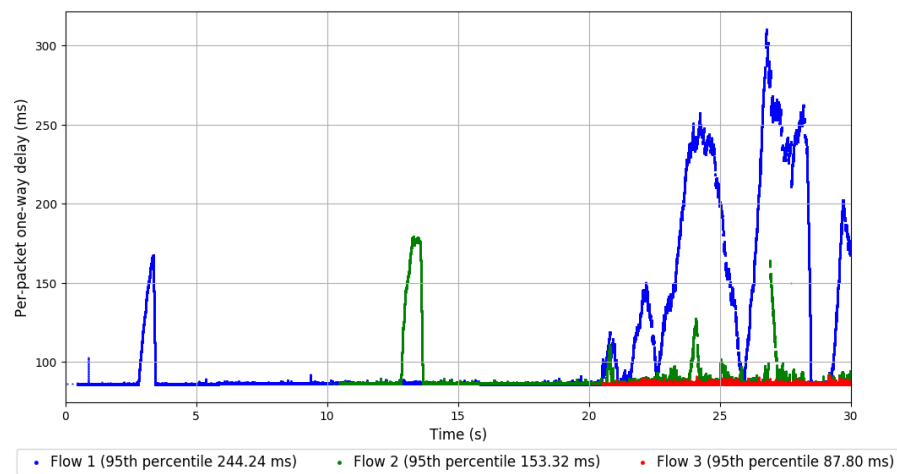
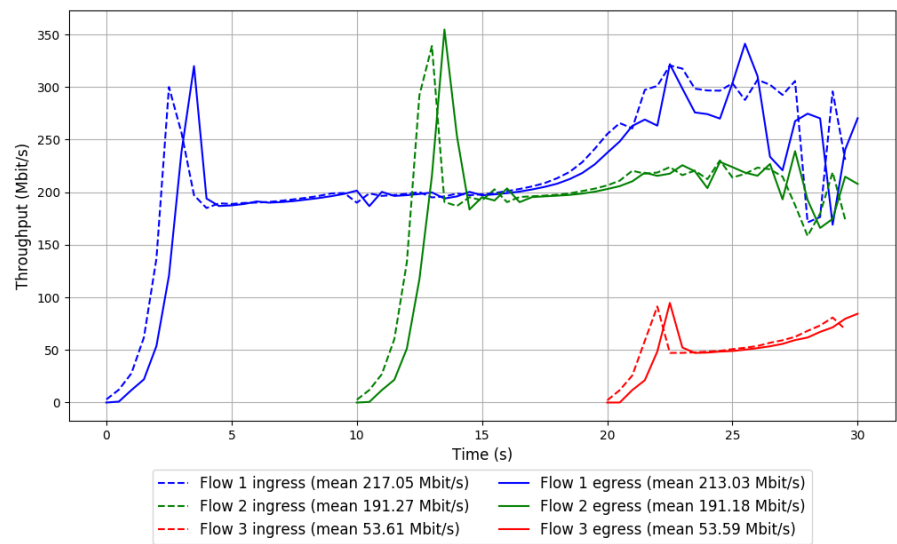
-- Flow 3:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 87.797 ms

Loss rate: 0.02%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 07:22:50

End at: 2018-07-18 07:23:20

Local clock offset: -0.159 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.08 Mbit/s

95th percentile per-packet one-way delay: 251.375 ms

Loss rate: 2.52%

-- Flow 1:

Average throughput: 212.96 Mbit/s

95th percentile per-packet one-way delay: 242.734 ms

Loss rate: 2.11%

-- Flow 2:

Average throughput: 155.54 Mbit/s

95th percentile per-packet one-way delay: 255.695 ms

Loss rate: 3.37%

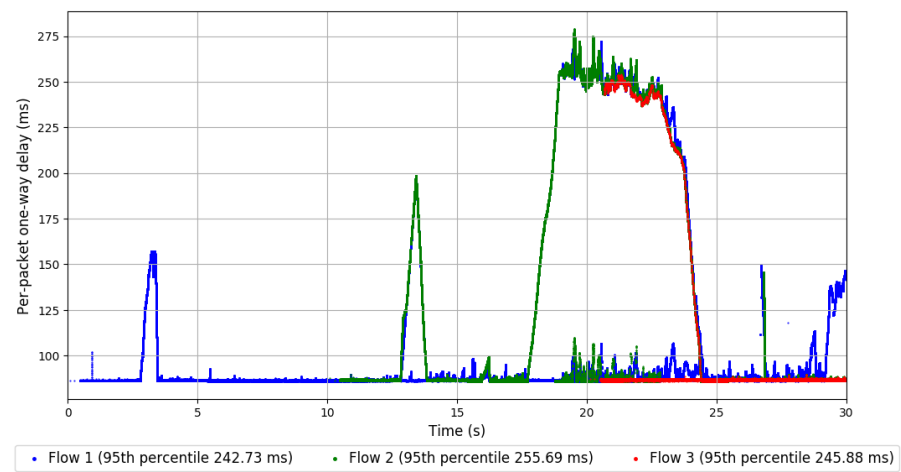
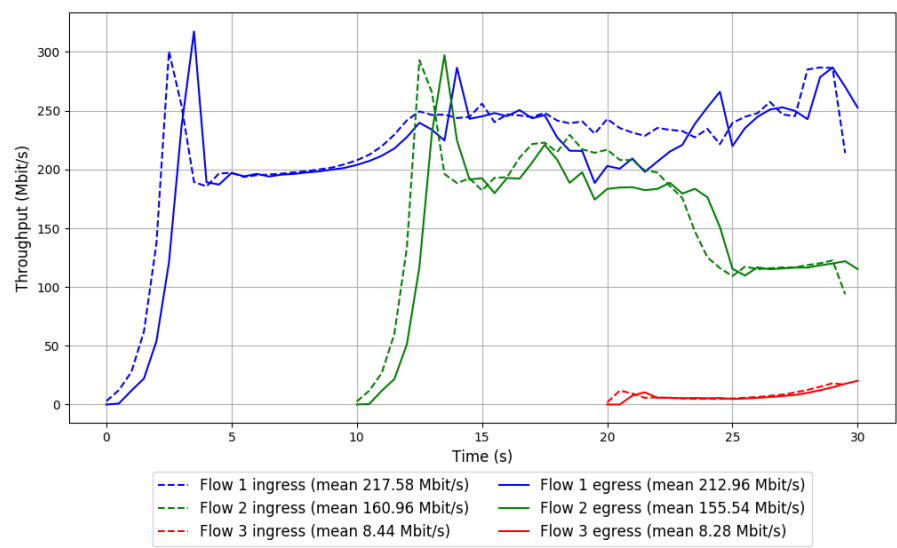
-- Flow 3:

Average throughput: 8.28 Mbit/s

95th percentile per-packet one-way delay: 245.882 ms

Loss rate: 1.88%

Run 10: Report of PCC-Expr — Data Link

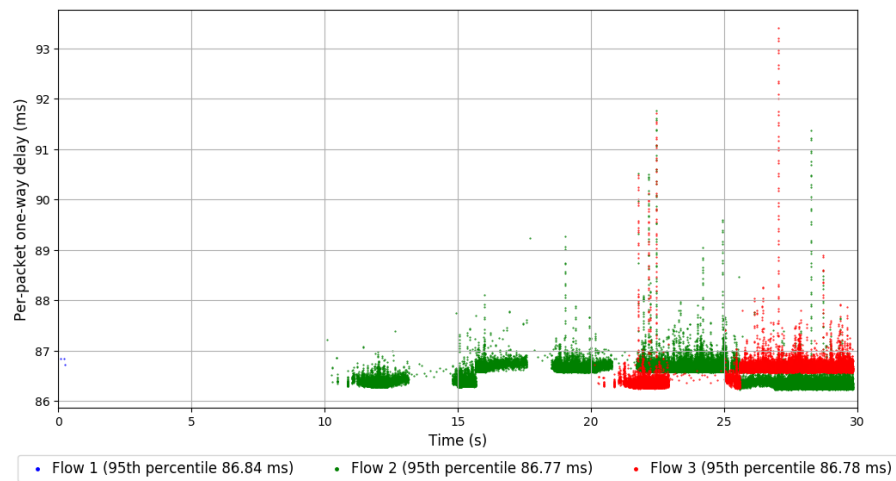
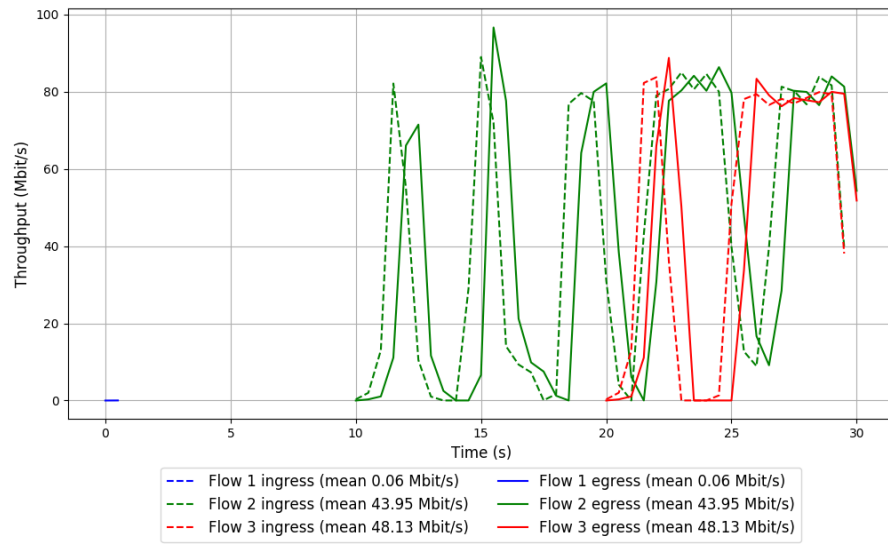


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 03:15:10
End at: 2018-07-18 03:15:40
Local clock offset: -0.327 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 86.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.845 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.95 Mbit/s
95th percentile per-packet one-way delay: 86.772 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 86.777 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

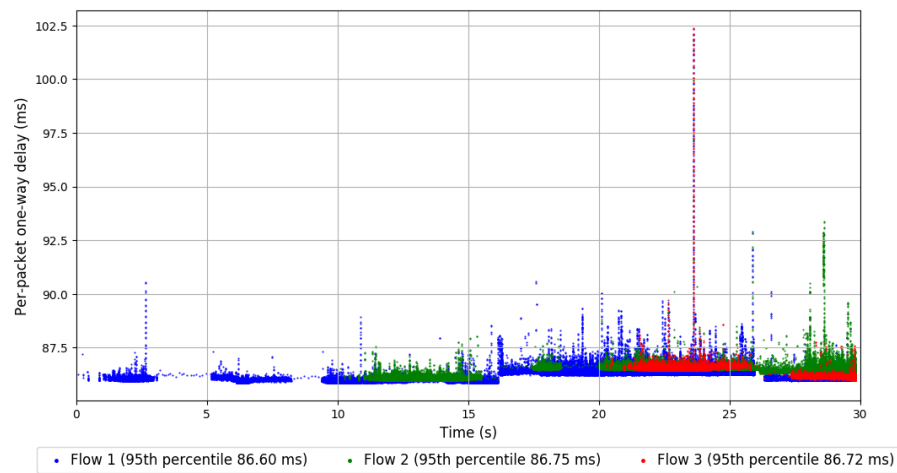
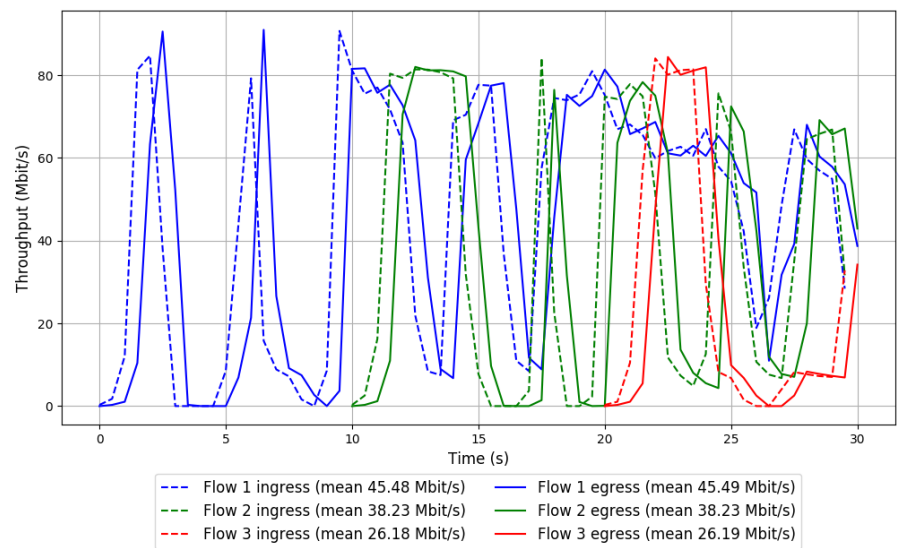


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 03:40:49
End at: 2018-07-18 03:41:19
Local clock offset: -0.168 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 86.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 86.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 86.723 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

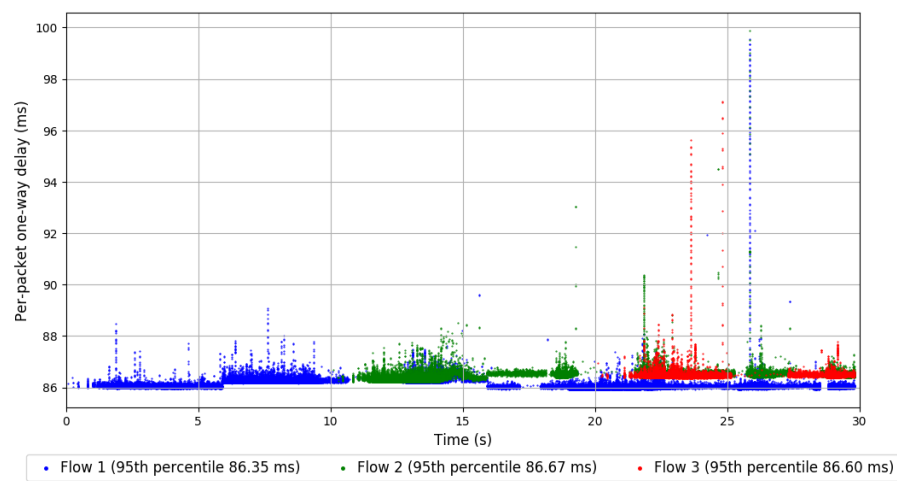
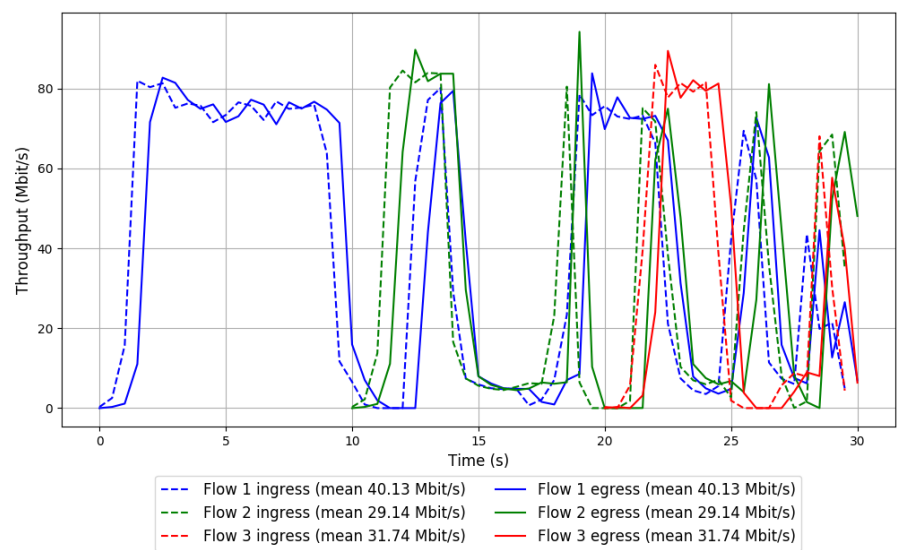


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 04:06:49
End at: 2018-07-18 04:07:19
Local clock offset: -0.124 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 86.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 86.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 86.675 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 86.597 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 04:32:51

End at: 2018-07-18 04:33:21

Local clock offset: -0.029 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.00 Mbit/s

95th percentile per-packet one-way delay: 86.473 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.47 Mbit/s

95th percentile per-packet one-way delay: 86.512 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 86.187 ms

Loss rate: 0.00%

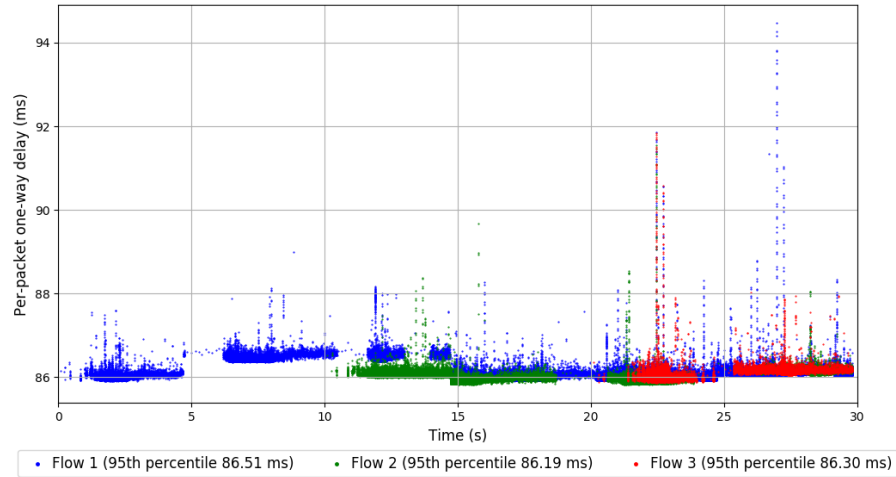
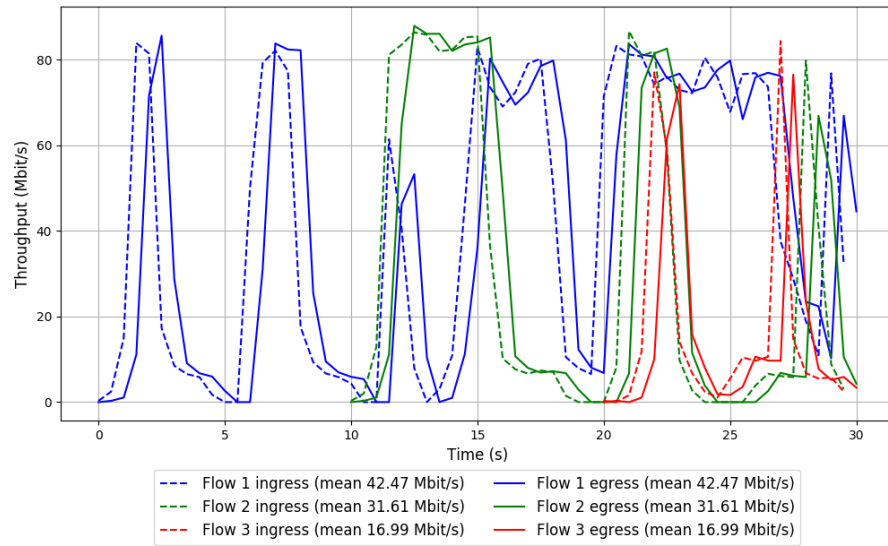
-- Flow 3:

Average throughput: 16.99 Mbit/s

95th percentile per-packet one-way delay: 86.303 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 04:58:56

End at: 2018-07-18 04:59:26

Local clock offset: -0.385 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.53 Mbit/s

95th percentile per-packet one-way delay: 86.665 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.24 Mbit/s

95th percentile per-packet one-way delay: 86.327 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.20 Mbit/s

95th percentile per-packet one-way delay: 86.731 ms

Loss rate: 0.00%

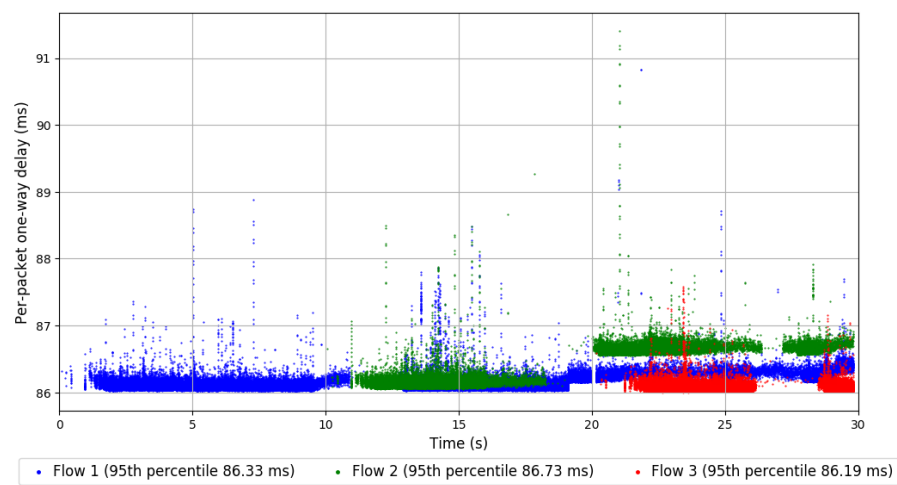
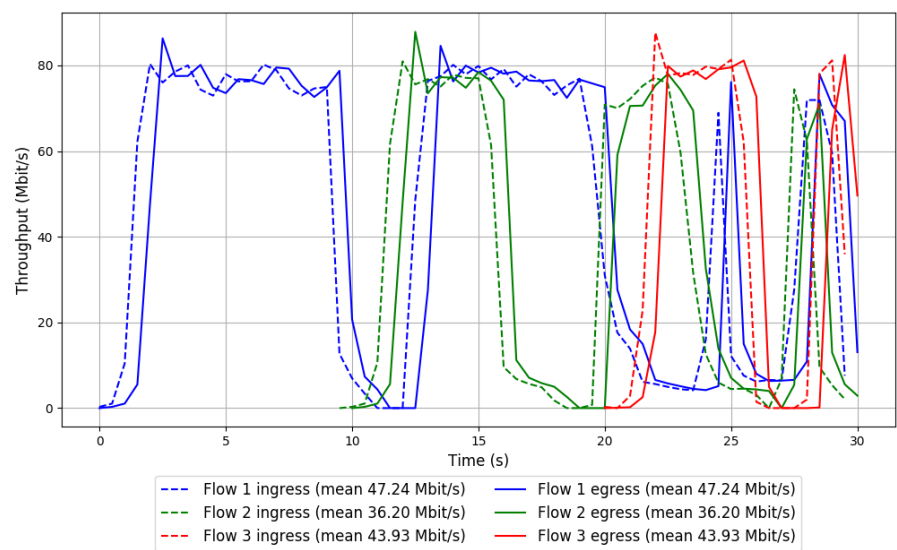
-- Flow 3:

Average throughput: 43.93 Mbit/s

95th percentile per-packet one-way delay: 86.186 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

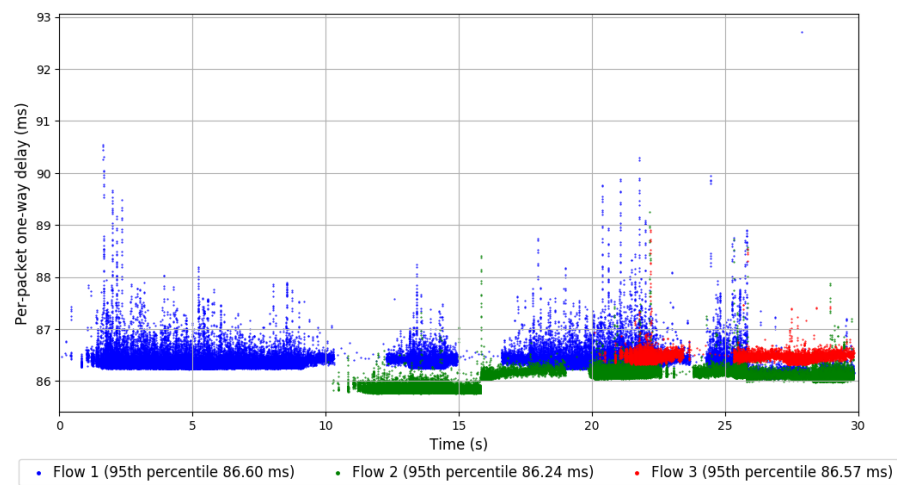
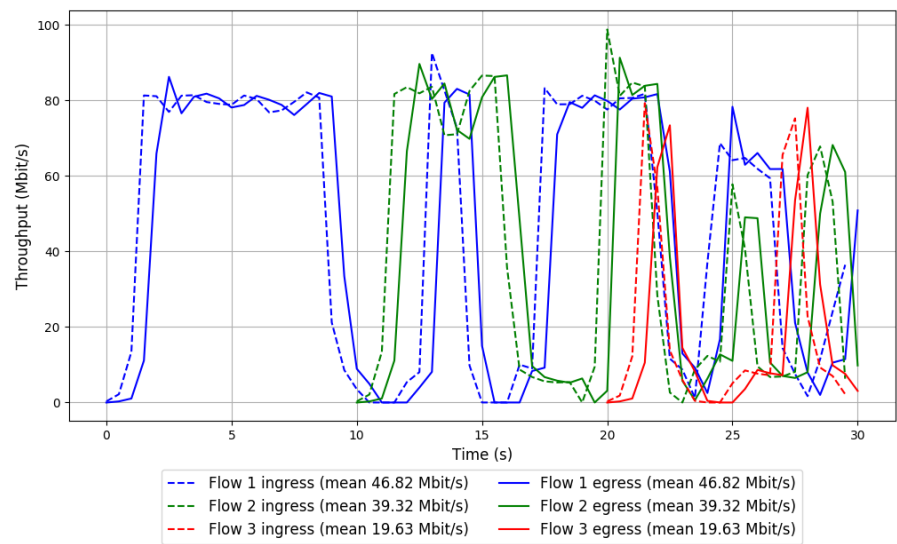


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 05:25:00
End at: 2018-07-18 05:25:30
Local clock offset: -0.162 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 86.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 86.240 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 86.573 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

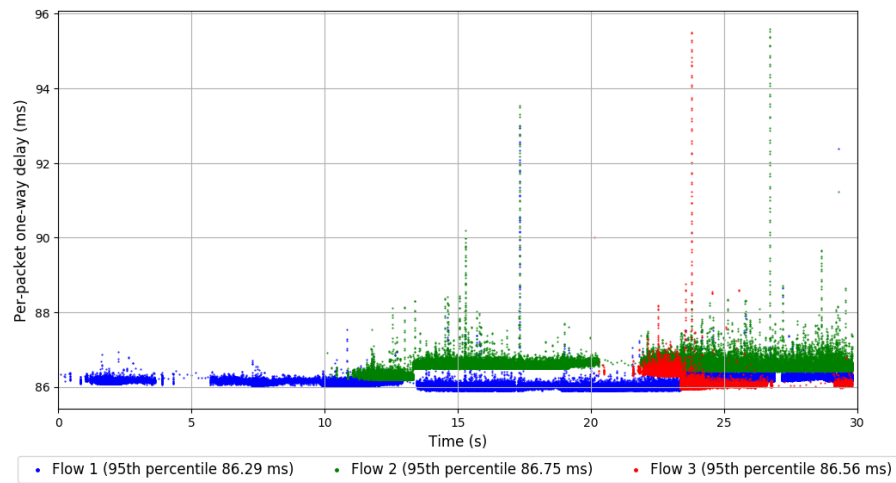
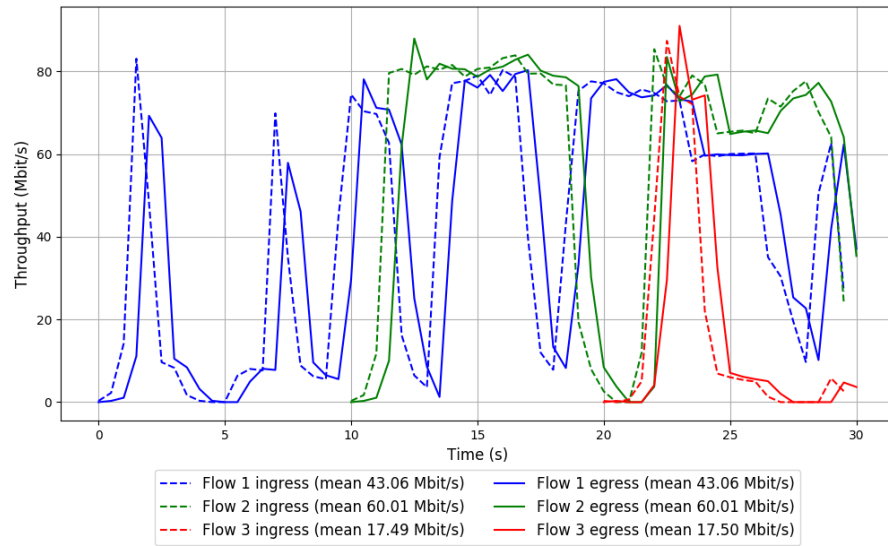


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 05:51:02
End at: 2018-07-18 05:51:32
Local clock offset: -0.296 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 86.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 86.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 86.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

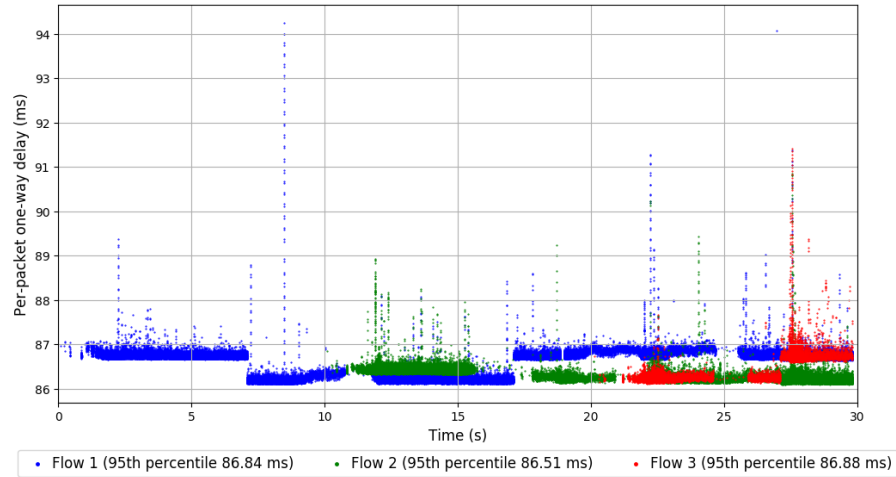
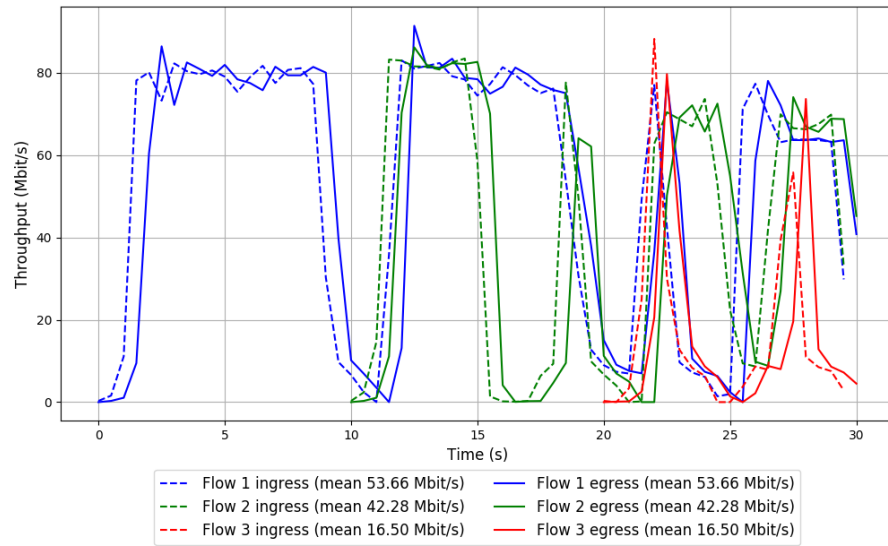


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 06:16:58
End at: 2018-07-18 06:17:28
Local clock offset: -0.516 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 86.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 86.836 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 86.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.50 Mbit/s
95th percentile per-packet one-way delay: 86.884 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 06:43:07

End at: 2018-07-18 06:43:37

Local clock offset: -0.188 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 86.805 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.93 Mbit/s

95th percentile per-packet one-way delay: 86.195 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.89 Mbit/s

95th percentile per-packet one-way delay: 86.926 ms

Loss rate: 0.00%

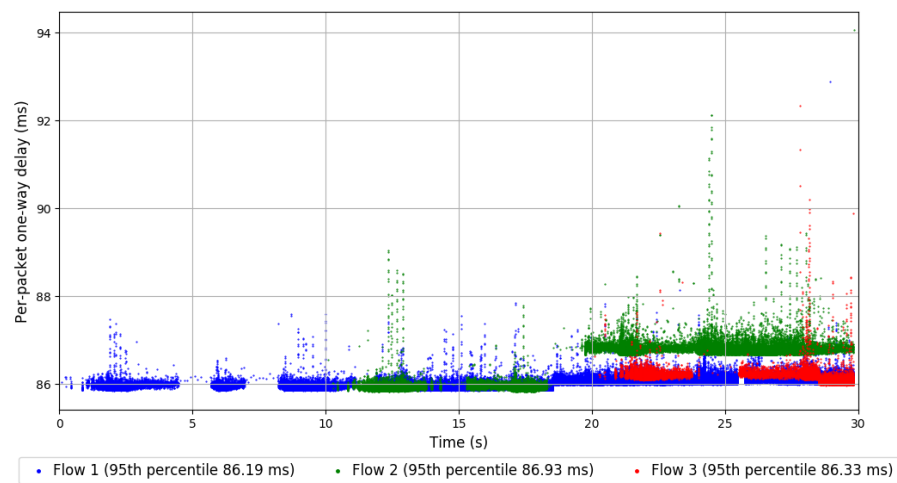
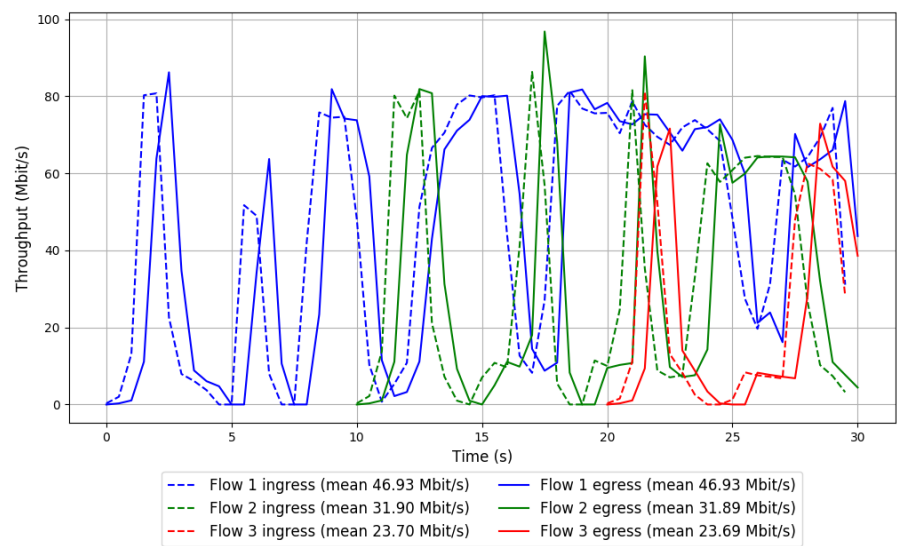
-- Flow 3:

Average throughput: 23.69 Mbit/s

95th percentile per-packet one-way delay: 86.335 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 07:09:00

End at: 2018-07-18 07:09:30

Local clock offset: -0.382 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.84 Mbit/s

95th percentile per-packet one-way delay: 86.744 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 86.756 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.33 Mbit/s

95th percentile per-packet one-way delay: 86.713 ms

Loss rate: 0.00%

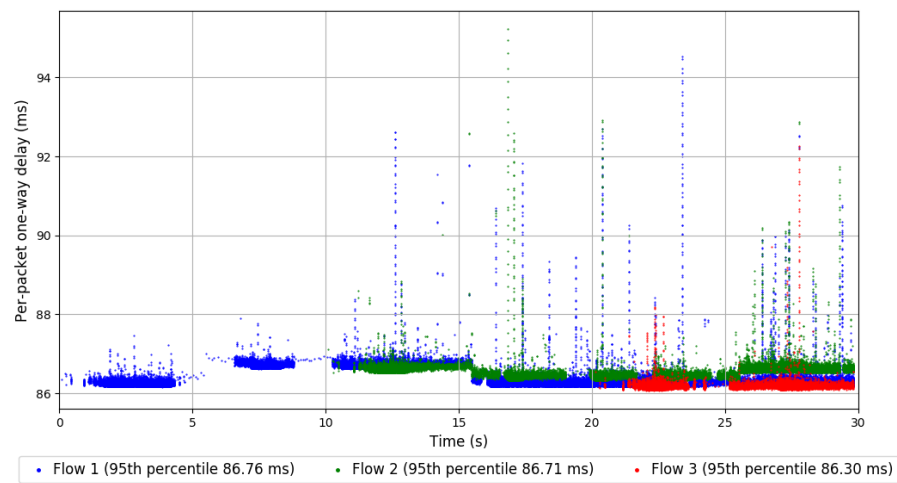
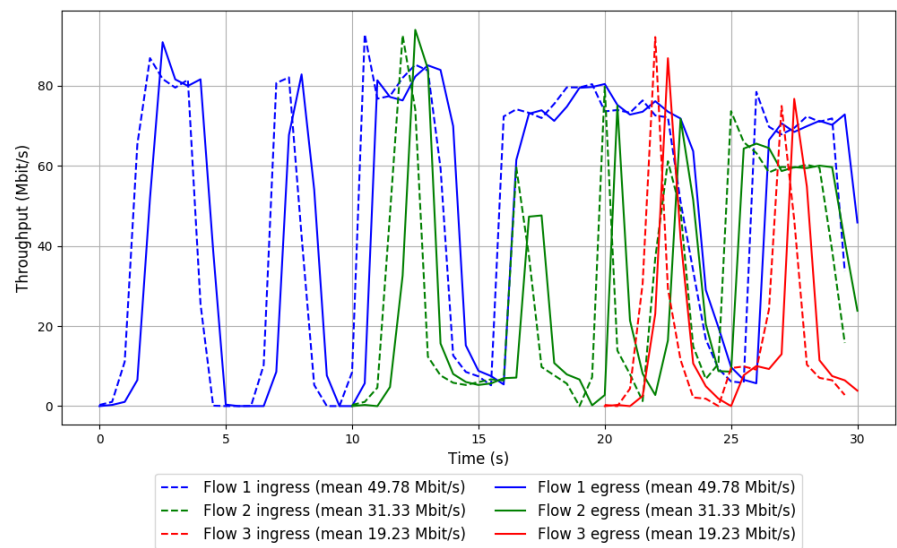
-- Flow 3:

Average throughput: 19.23 Mbit/s

95th percentile per-packet one-way delay: 86.300 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

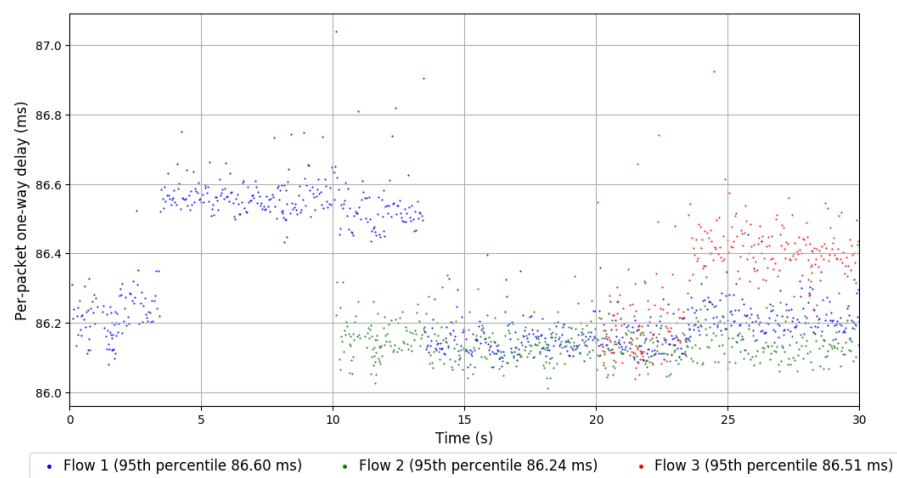
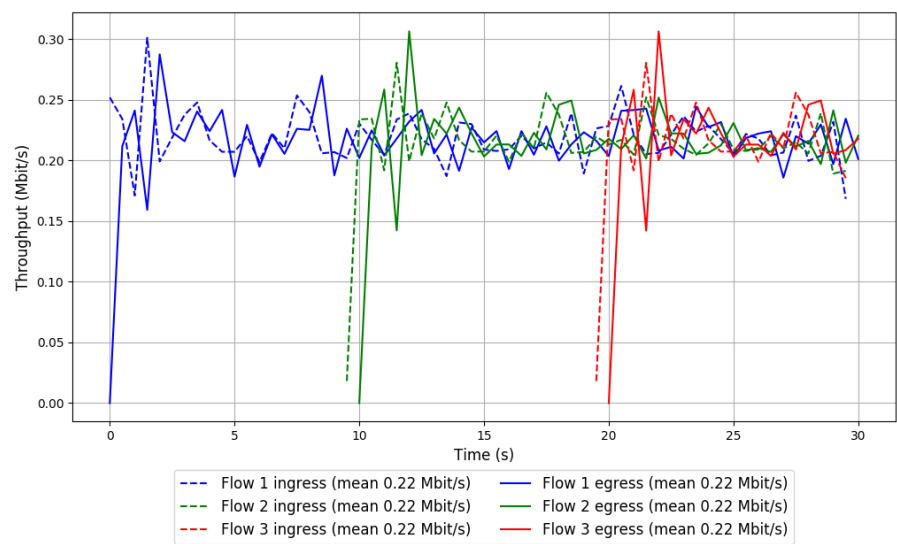


```
Run 1: Statistics of SReAM

Start at: 2018-07-18 03:33:32
End at: 2018-07-18 03:34:02
Local clock offset: -0.158 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-18 09:49:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.512 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

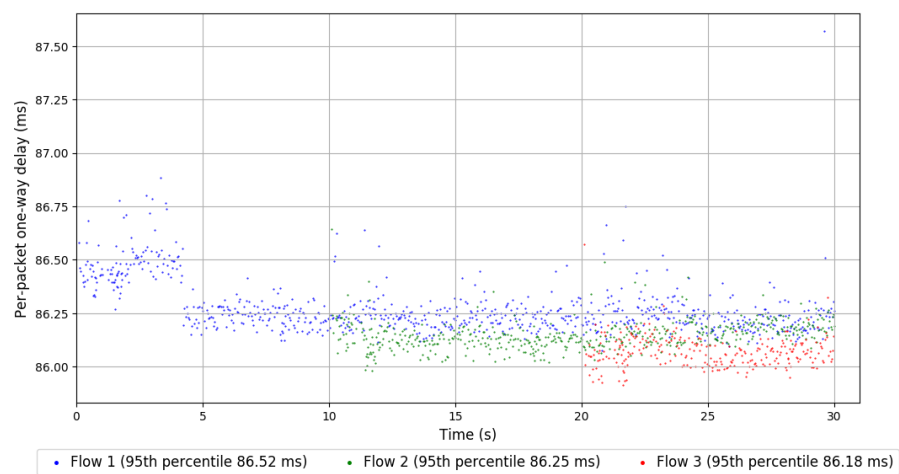
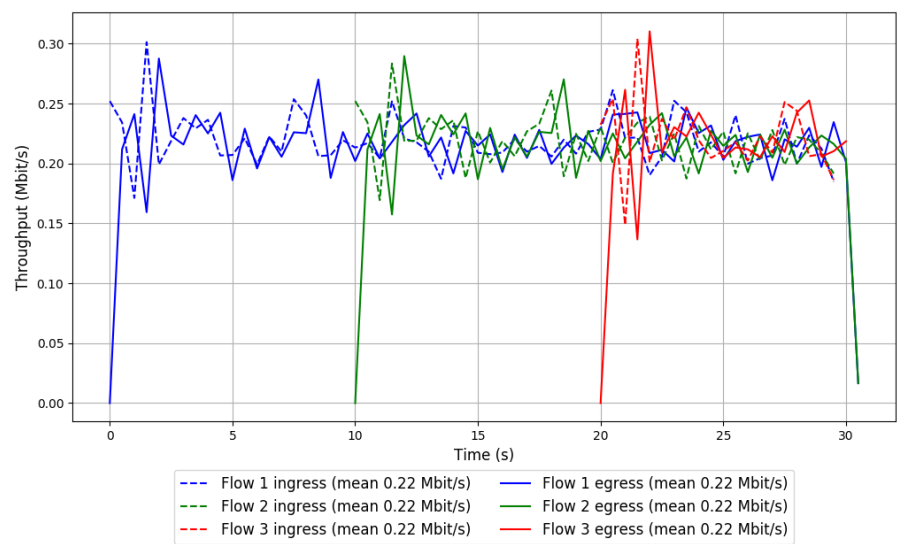


```
Run 2: Statistics of SReAM

Start at: 2018-07-18 03:59:31
End at: 2018-07-18 04:00:01
Local clock offset: -0.091 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-07-18 09:49:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.180 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-18 04:25:36

End at: 2018-07-18 04:26:06

Local clock offset: 0.0 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.505 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.251 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.543 ms

Loss rate: 0.00%

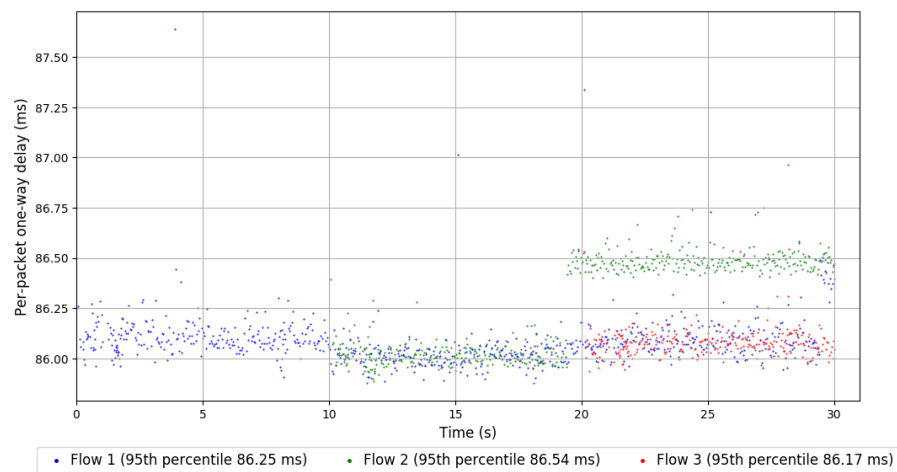
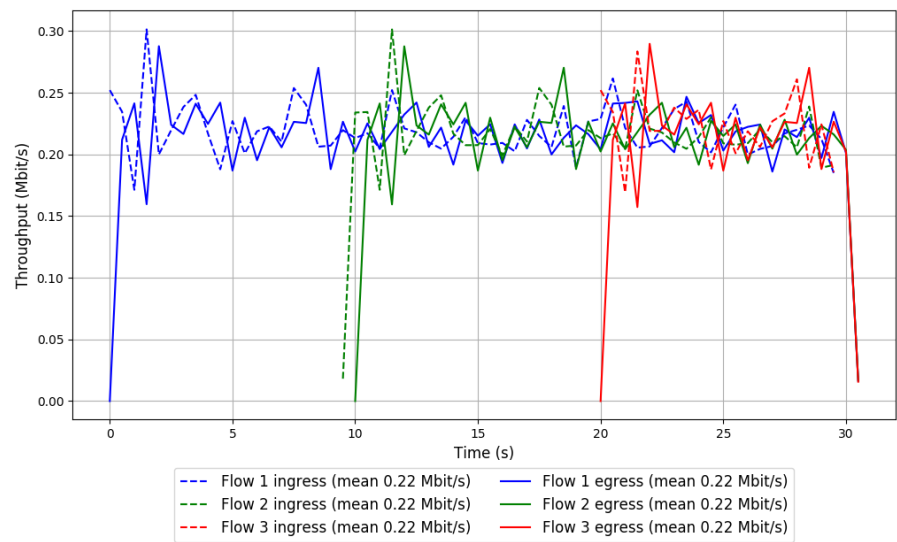
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.169 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-18 04:51:32

End at: 2018-07-18 04:52:02

Local clock offset: -0.153 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.713 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.408 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.742 ms

Loss rate: 0.00%

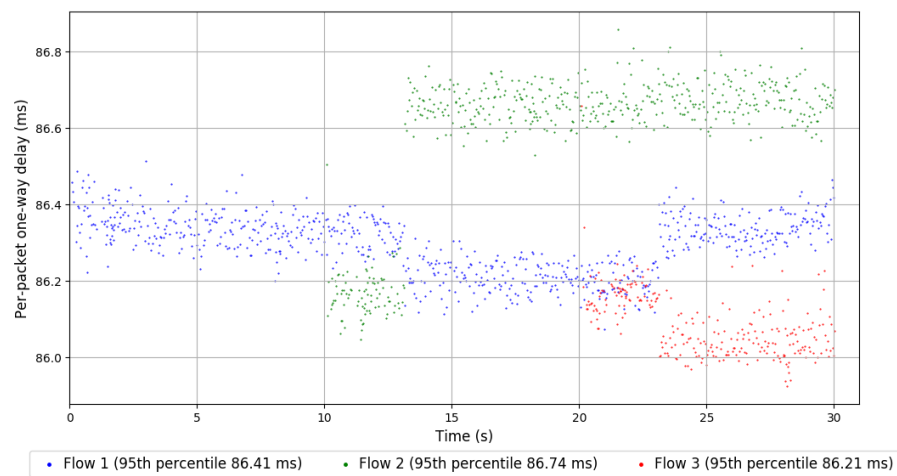
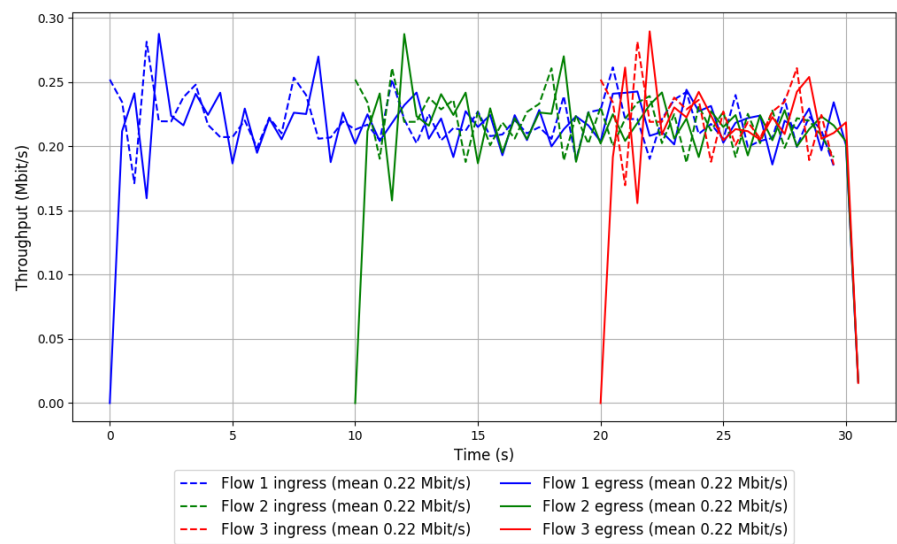
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.214 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-18 05:17:37

End at: 2018-07-18 05:18:07

Local clock offset: -0.052 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.582 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.213 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.373 ms

Loss rate: 0.00%

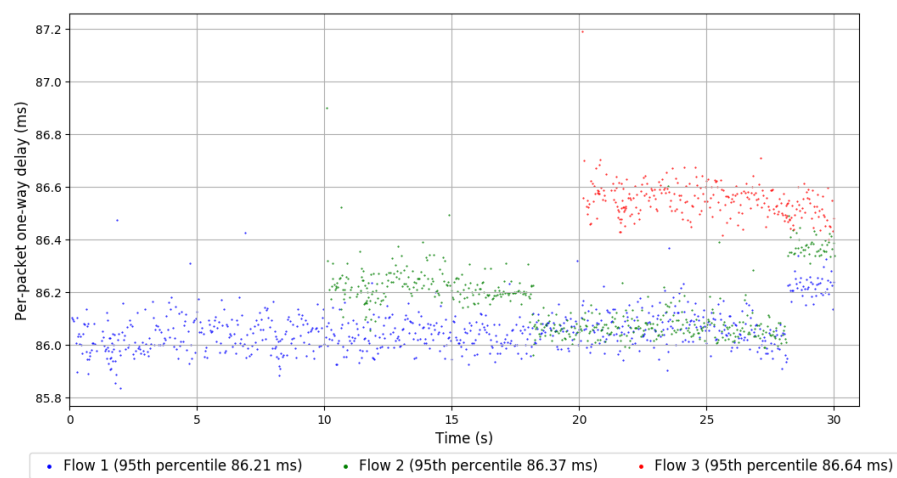
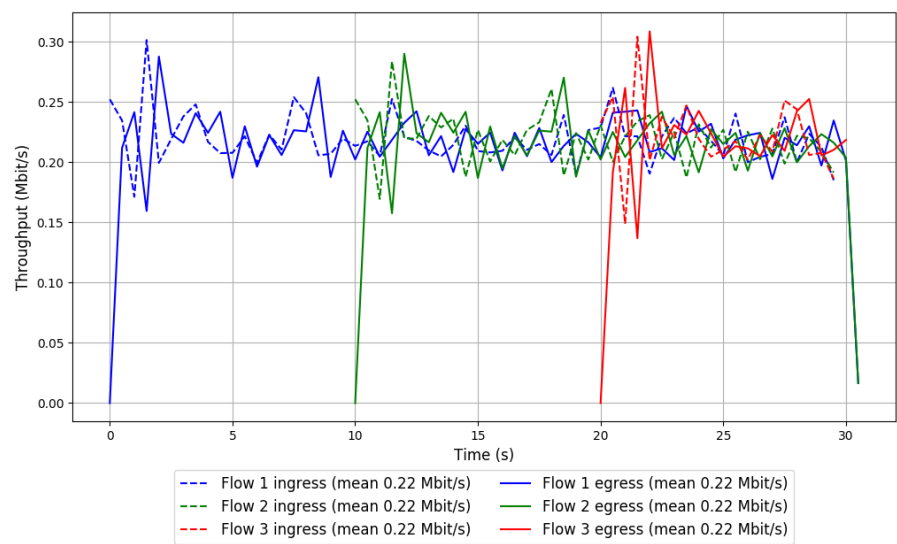
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.640 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

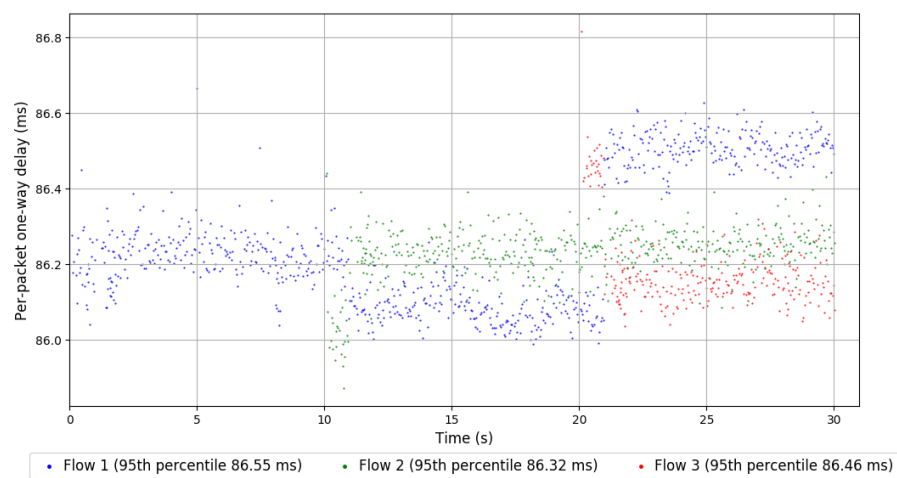
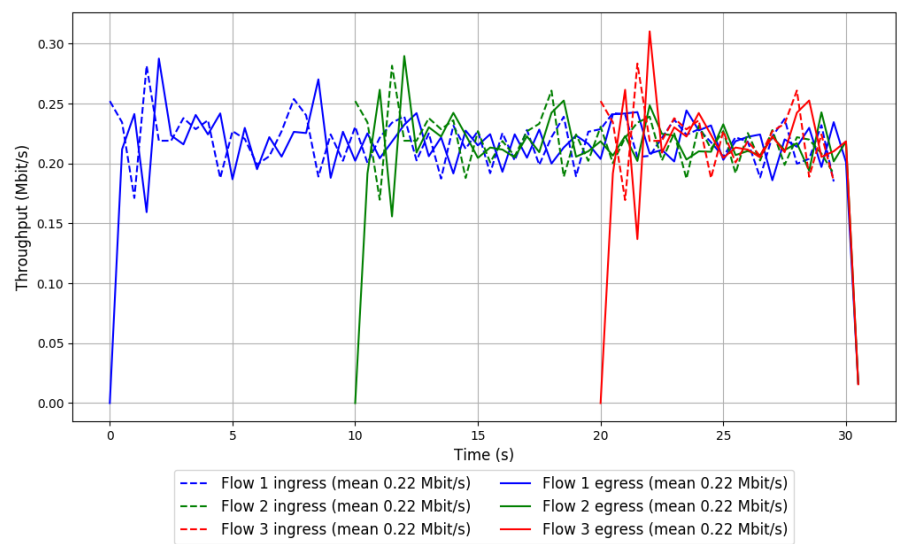


Run 6: Statistics of SReAM

Start at: 2018-07-18 05:43:45
End at: 2018-07-18 05:44:15
Local clock offset: -0.057 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.551 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.461 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

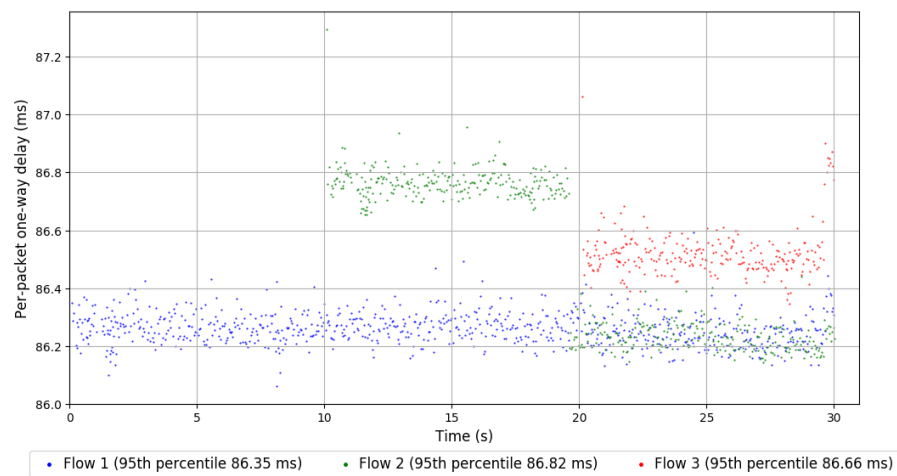
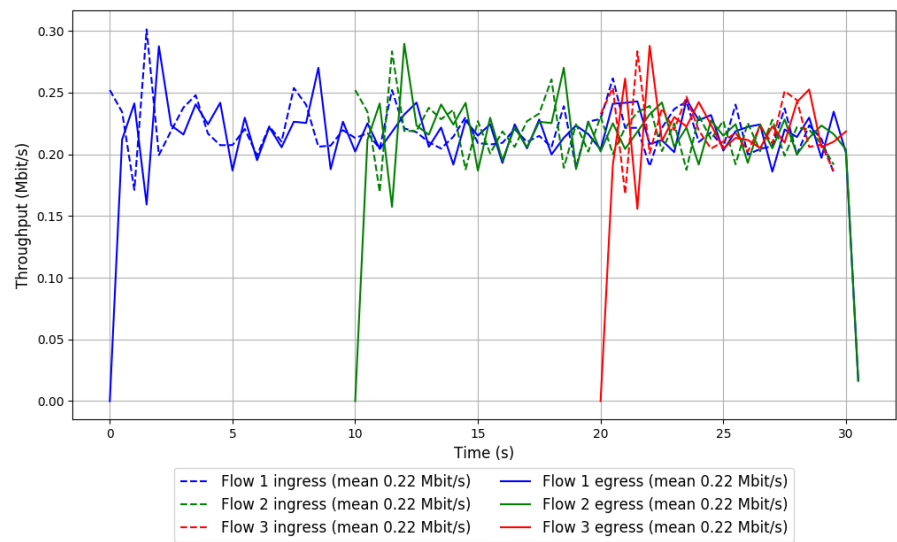


Run 7: Statistics of SReAM

Start at: 2018-07-18 06:09:36
End at: 2018-07-18 06:10:06
Local clock offset: -0.352 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.660 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

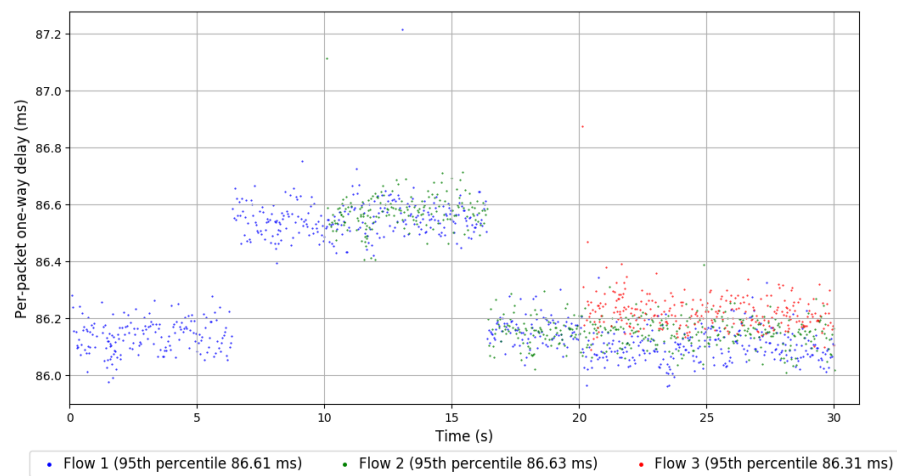
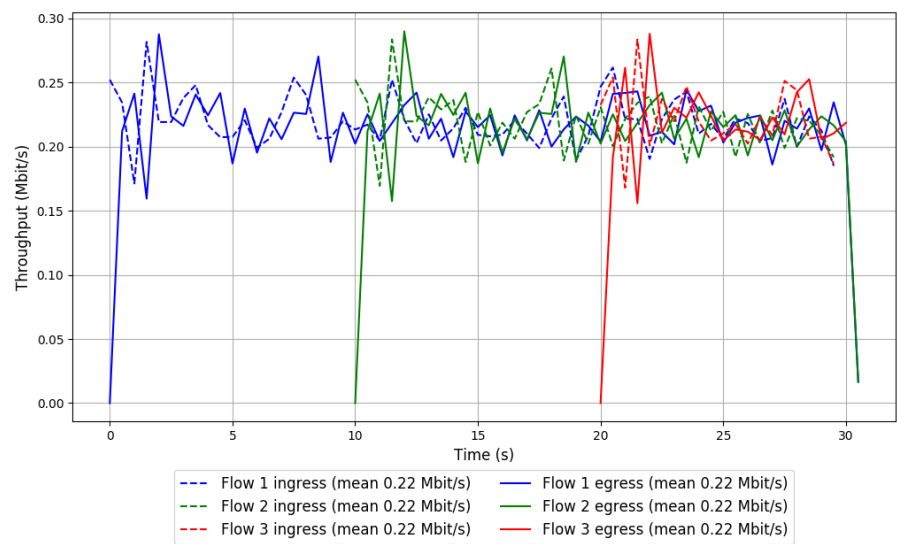


Run 8: Statistics of SReAM

Start at: 2018-07-18 06:35:49
End at: 2018-07-18 06:36:19
Local clock offset: -0.073 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.309 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-18 07:01:41

End at: 2018-07-18 07:02:11

Local clock offset: 0.113 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.426 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.148 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.469 ms

Loss rate: 0.00%

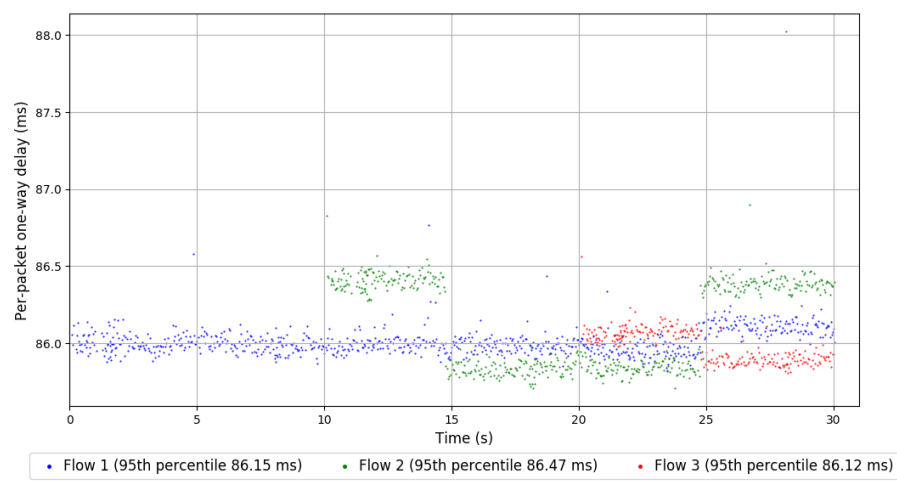
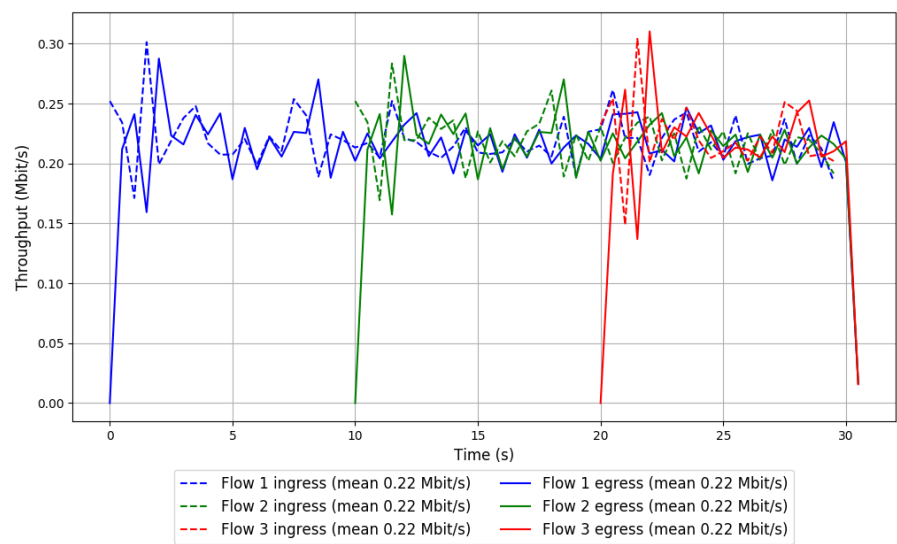
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.122 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-18 07:27:35

End at: 2018-07-18 07:28:05

Local clock offset: -0.182 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-18 09:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.867 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.805 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.778 ms

Loss rate: 0.00%

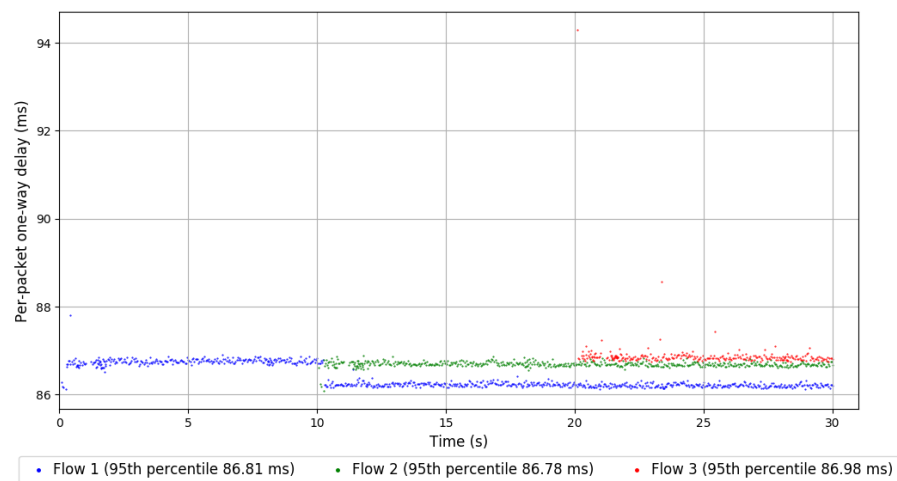
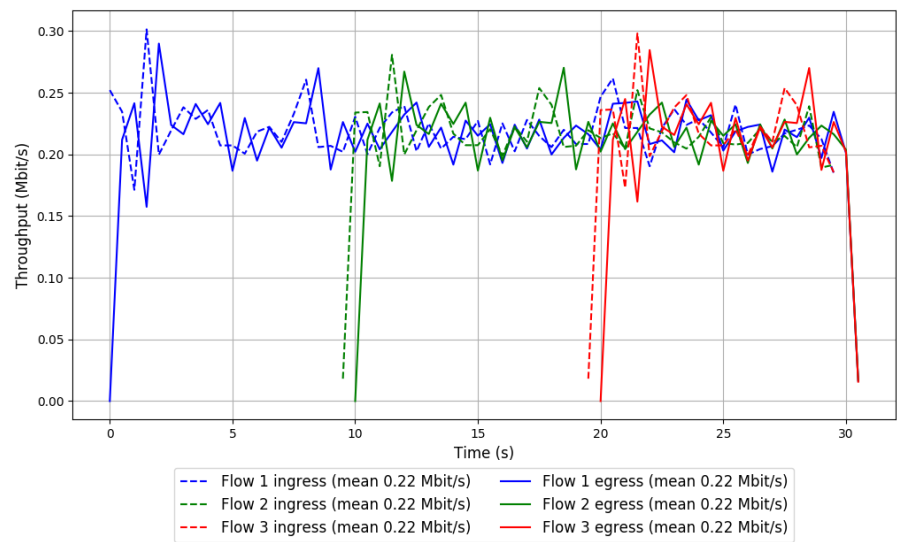
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.983 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

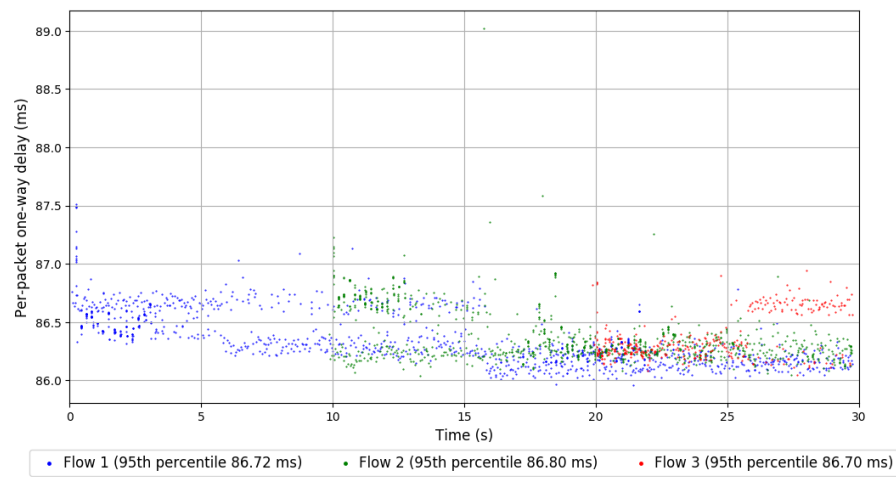
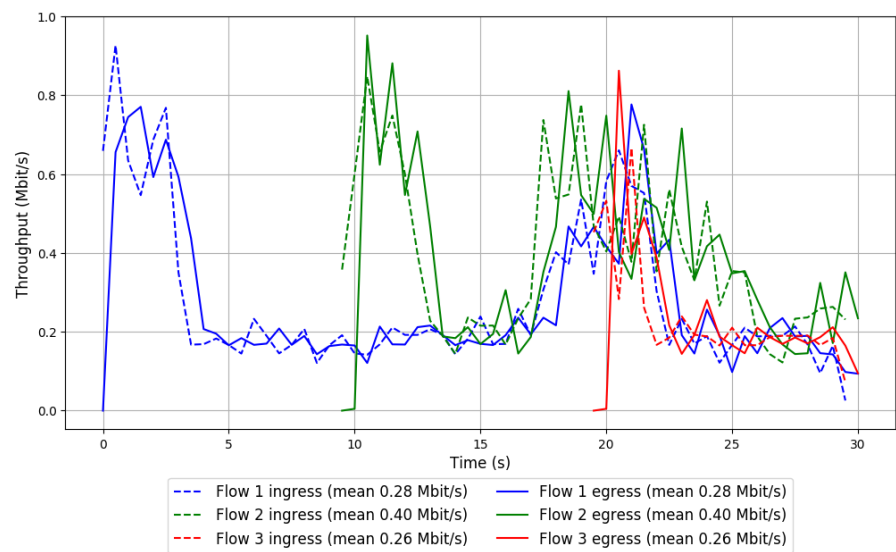


Run 1: Statistics of Sprout

Start at: 2018-07-18 03:19:39
End at: 2018-07-18 03:20:09
Local clock offset: -0.16 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 86.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.804 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.701 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

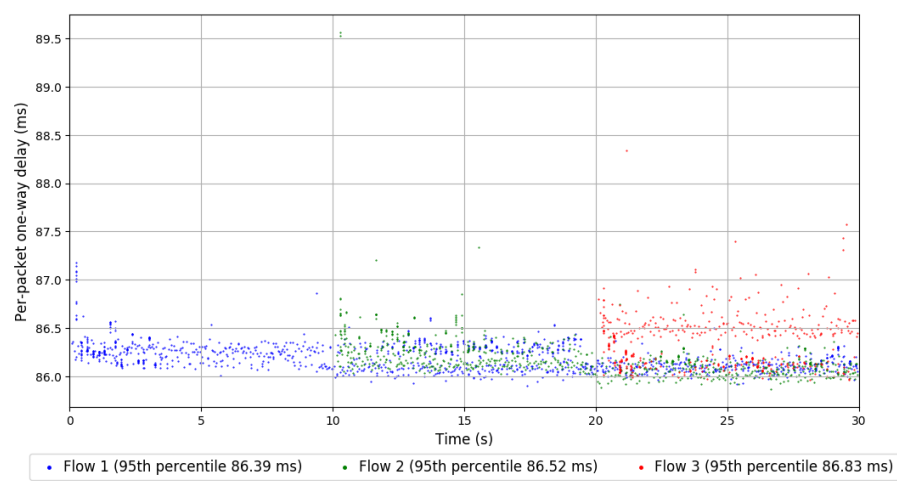
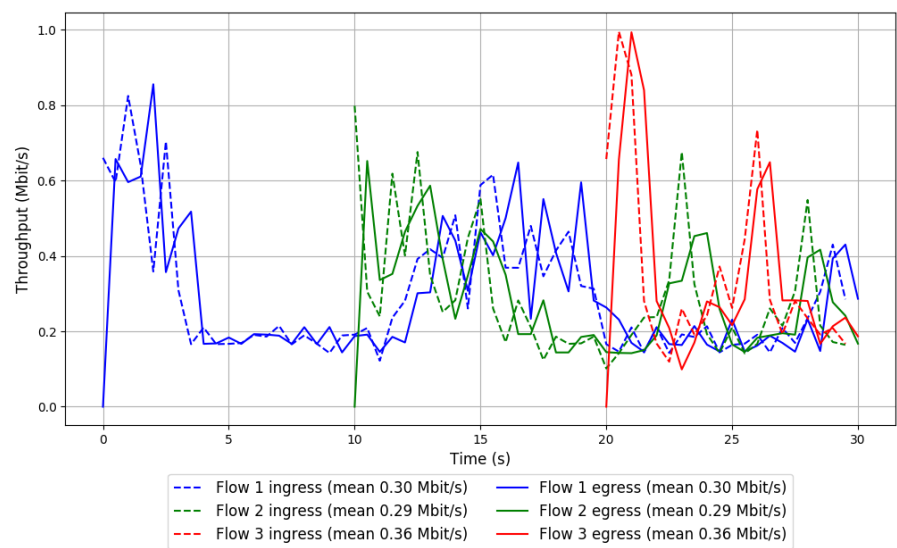


Run 2: Statistics of Sprout

Start at: 2018-07-18 03:45:26
End at: 2018-07-18 03:45:56
Local clock offset: -0.081 ms
Remote clock offset: -0.021 ms

```
# Below is generated by plot.py at 2018-07-18 09:49:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

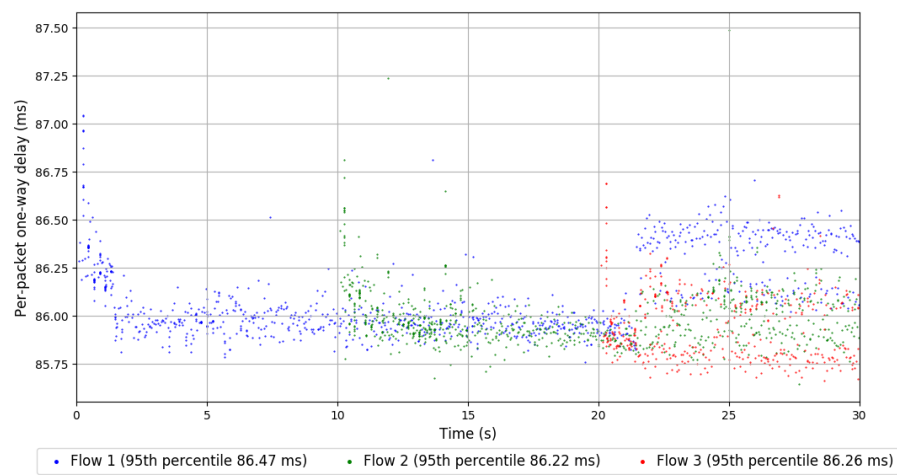
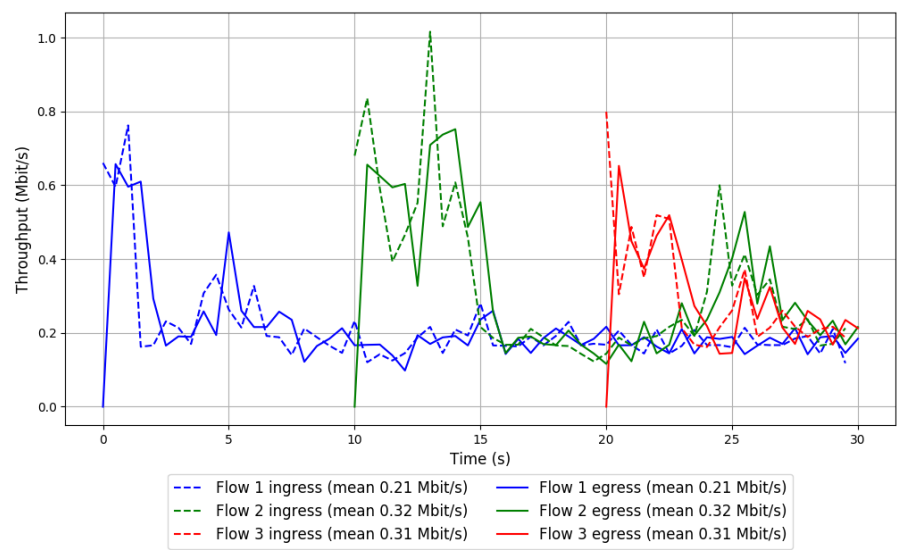


Run 3: Statistics of Sprout

Start at: 2018-07-18 04:11:24
End at: 2018-07-18 04:11:54
Local clock offset: 0.088 ms
Remote clock offset: -0.101 ms

```
# Below is generated by plot.py at 2018-07-18 09:49:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.257 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

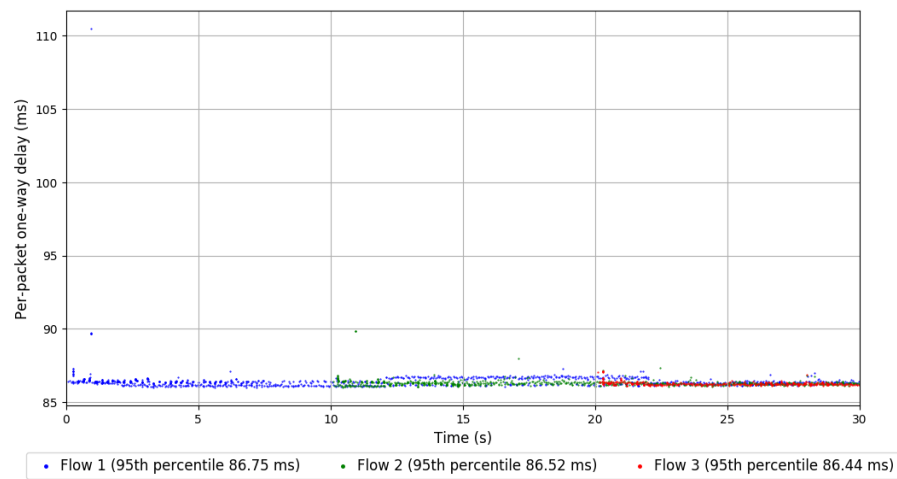
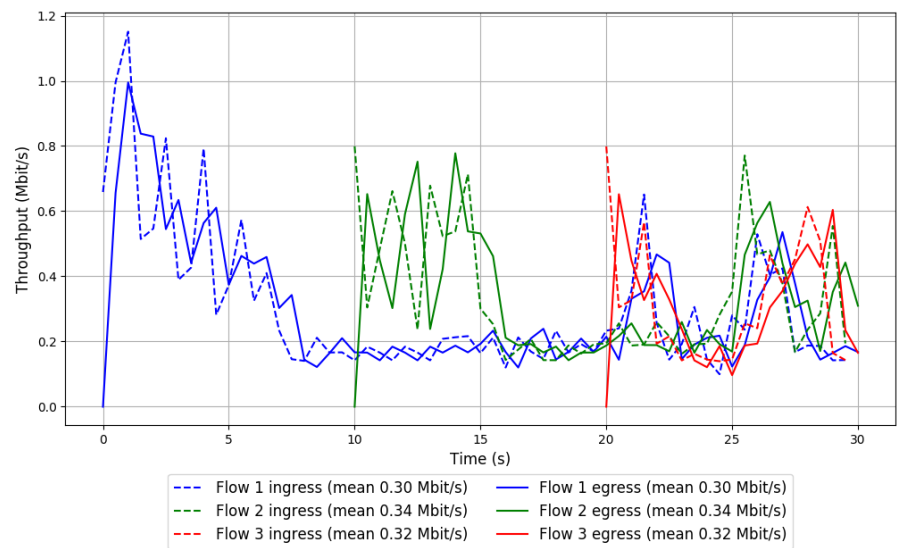


Run 4: Statistics of Sprout

Start at: 2018-07-18 04:37:23
End at: 2018-07-18 04:37:53
Local clock offset: -0.086 ms
Remote clock offset: 0.169 ms

```
# Below is generated by plot.py at 2018-07-18 09:49:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 86.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.752 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.439 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

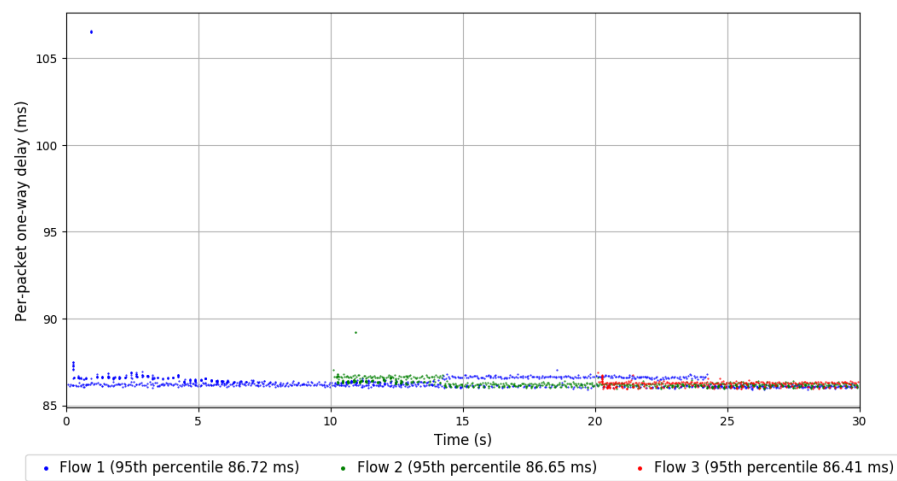
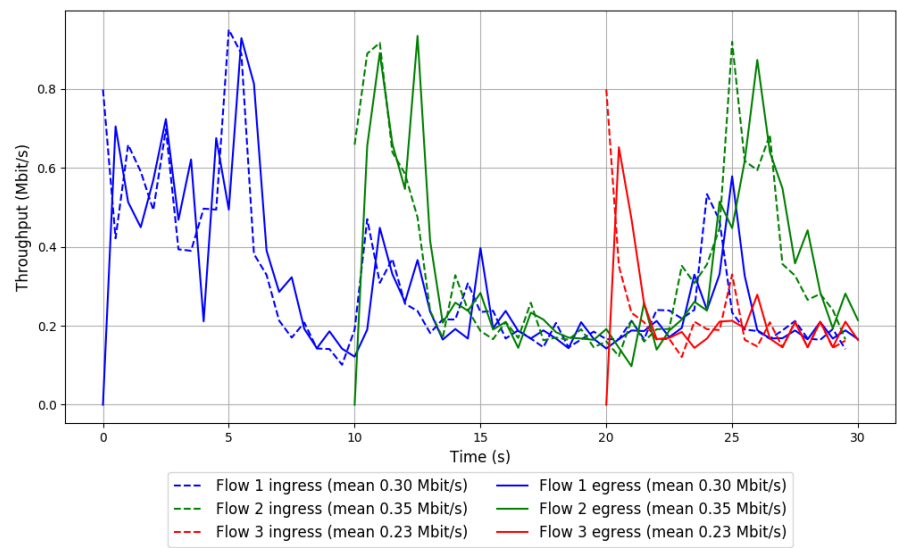


Run 5: Statistics of Sprout

Start at: 2018-07-18 05:03:31
End at: 2018-07-18 05:04:01
Local clock offset: -0.192 ms
Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-18 09:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.411 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-18 05:29:36

End at: 2018-07-18 05:30:06

Local clock offset: -0.084 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-18 09:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.71 Mbit/s

95th percentile per-packet one-way delay: 86.426 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 86.453 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 86.336 ms

Loss rate: 0.00%

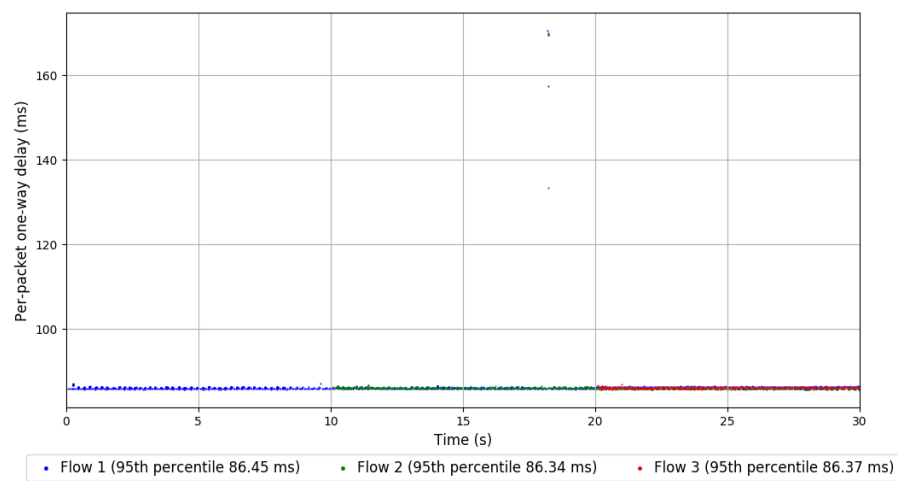
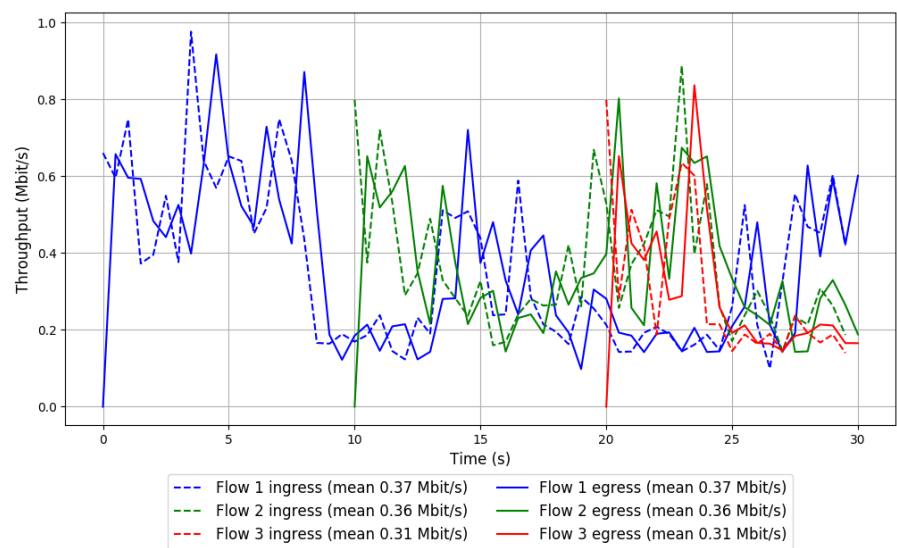
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 86.372 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

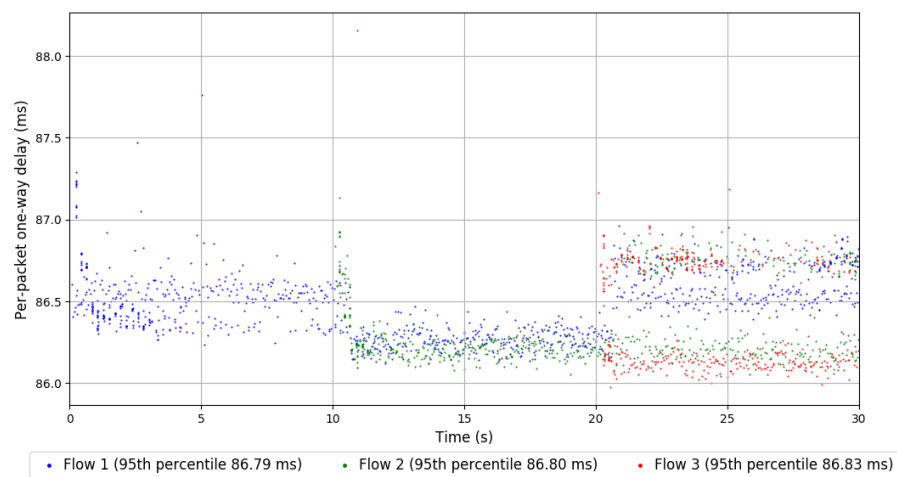
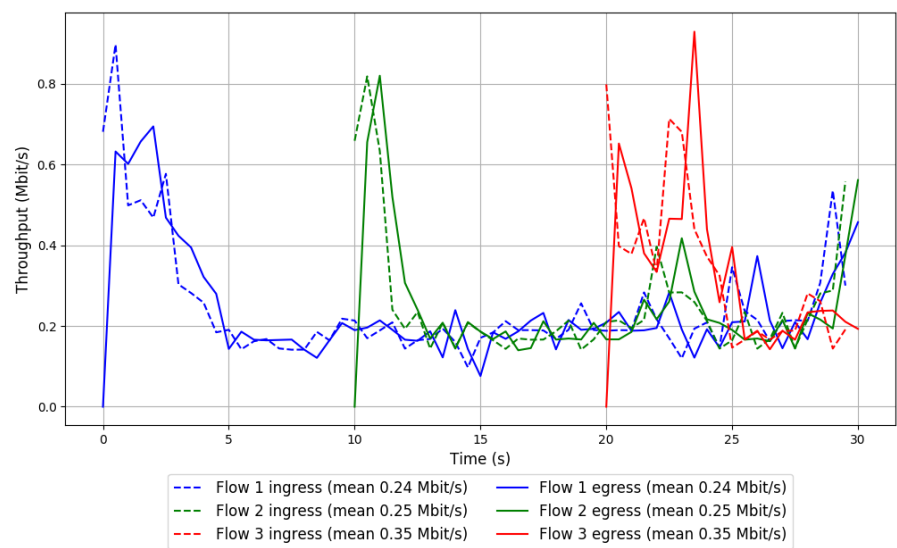


Run 7: Statistics of Sprout

Start at: 2018-07-18 05:55:35
End at: 2018-07-18 05:56:05
Local clock offset: -0.321 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-18 09:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.788 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.795 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.834 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

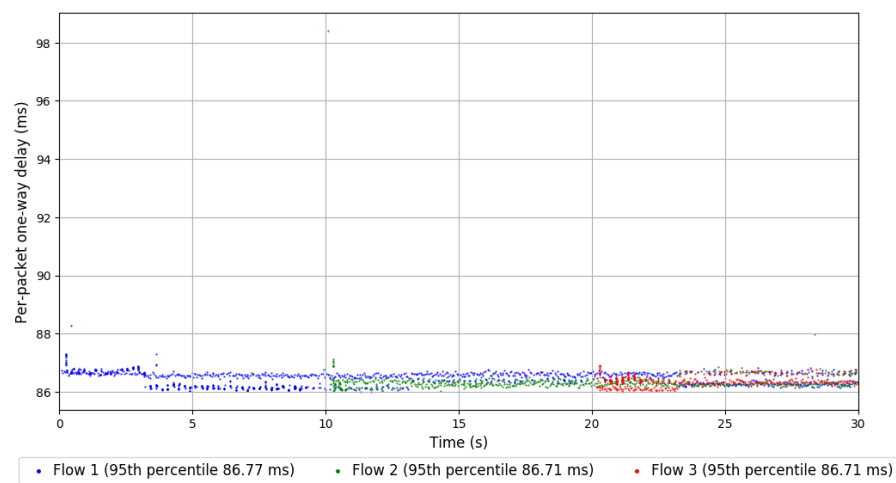
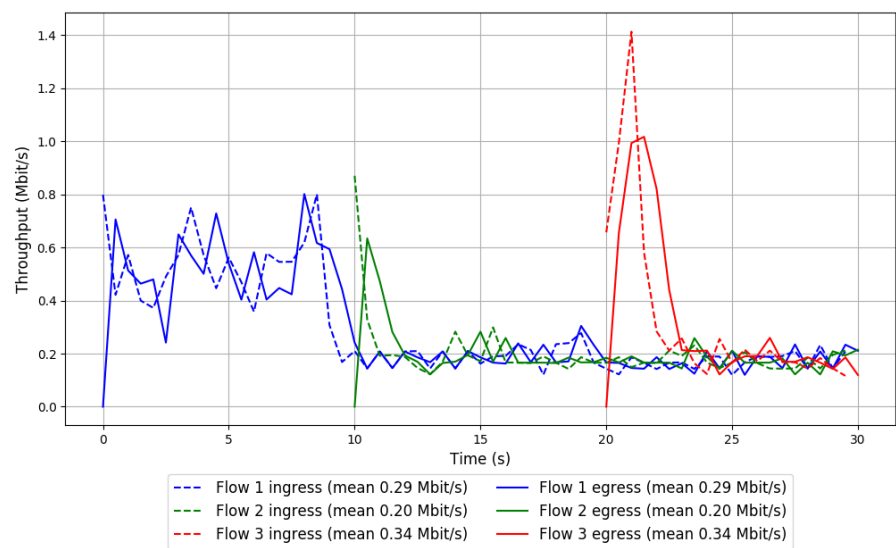


Run 8: Statistics of Sprout

Start at: 2018-07-18 06:21:32
End at: 2018-07-18 06:22:02
Local clock offset: -0.234 ms
Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-18 09:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 86.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 86.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

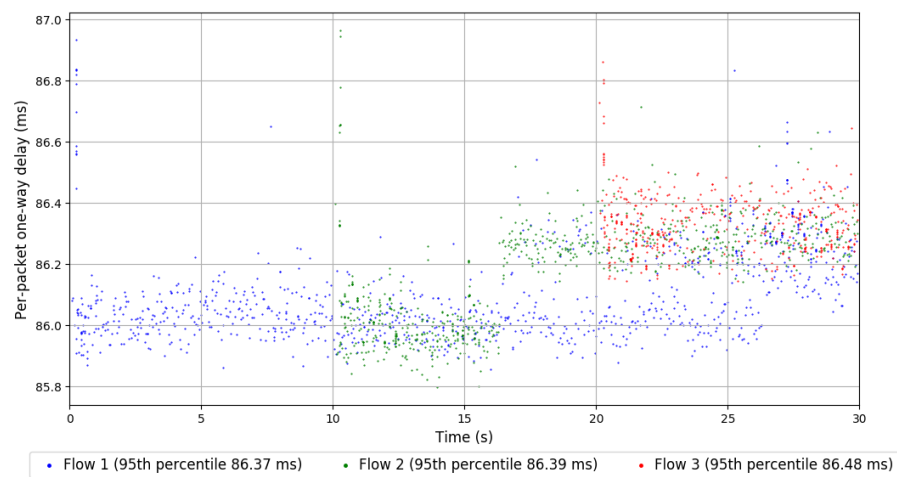
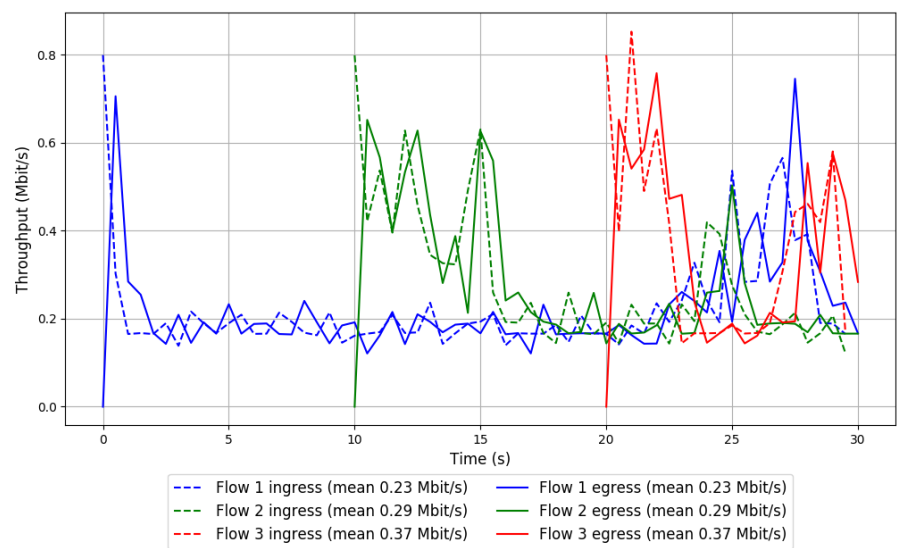


Run 9: Statistics of Sprout

Start at: 2018-07-18 06:47:39
End at: 2018-07-18 06:48:09
Local clock offset: -0.087 ms
Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-18 09:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.368 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.484 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

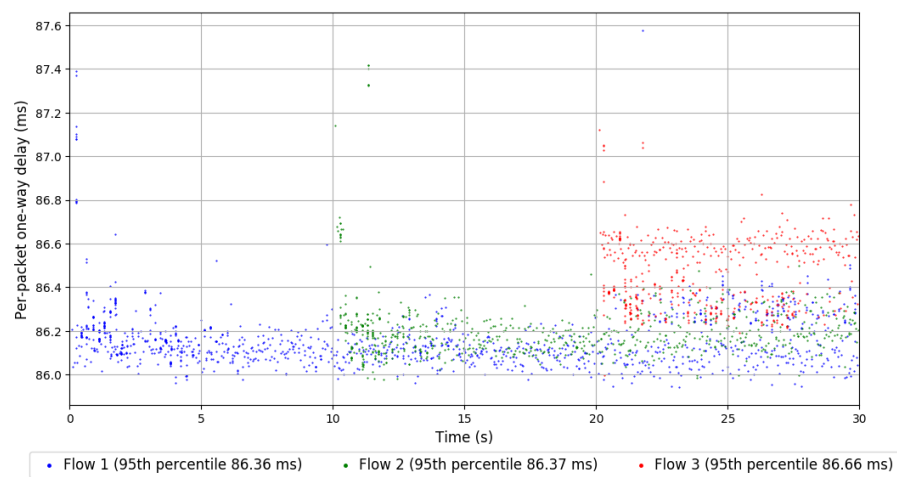
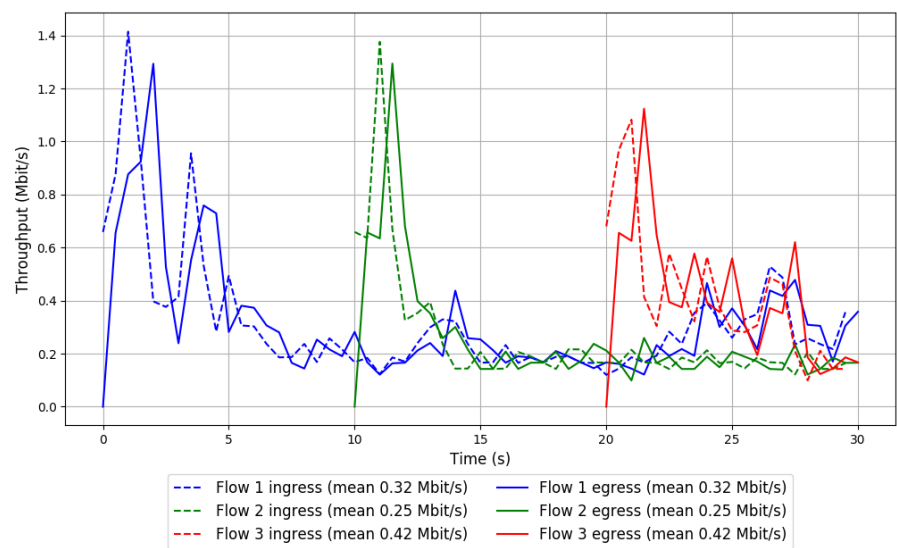


Run 10: Statistics of Sprout

Start at: 2018-07-18 07:13:35
End at: 2018-07-18 07:14:05
Local clock offset: -0.143 ms
Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-07-18 09:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 86.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.363 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.372 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.661 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

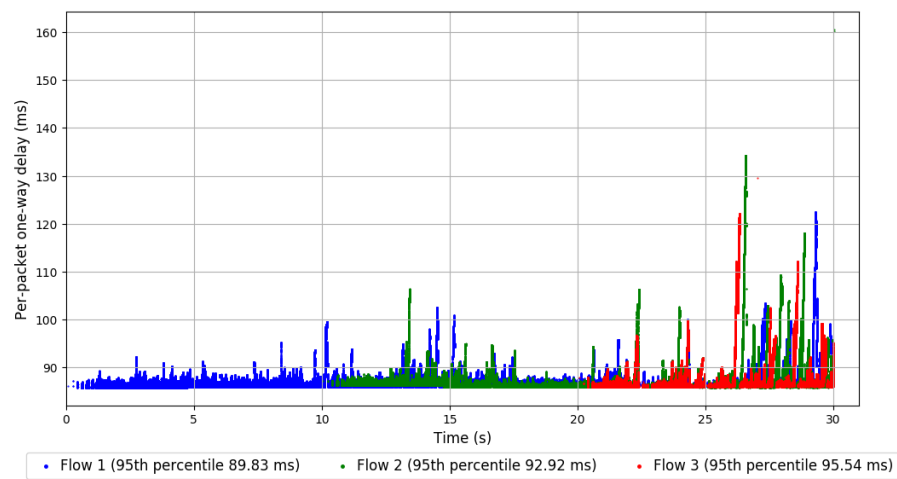
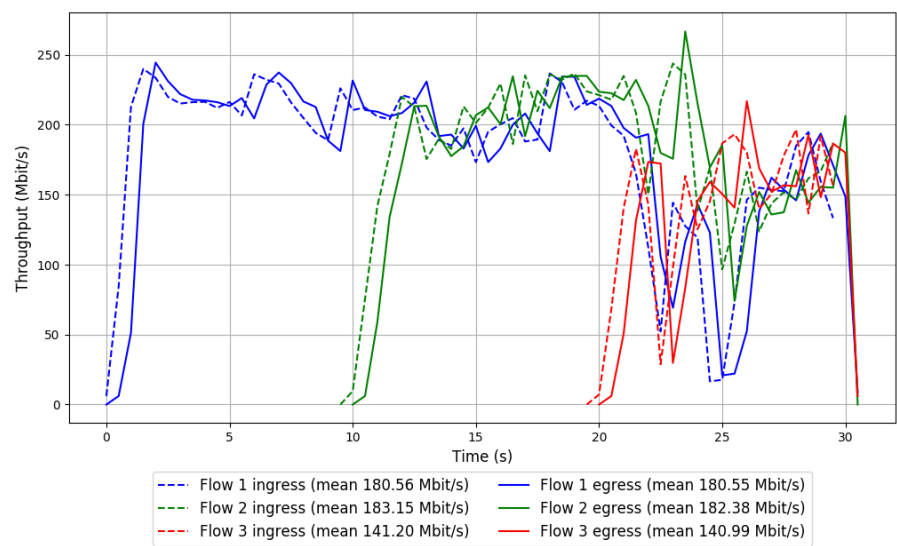


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 03:20:51
End at: 2018-07-18 03:21:21
Local clock offset: -0.086 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-07-18 09:59:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.90 Mbit/s
95th percentile per-packet one-way delay: 91.762 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 180.55 Mbit/s
95th percentile per-packet one-way delay: 89.835 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.38 Mbit/s
95th percentile per-packet one-way delay: 92.917 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 140.99 Mbit/s
95th percentile per-packet one-way delay: 95.540 ms
Loss rate: 0.17%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 03:46:37

End at: 2018-07-18 03:47:07

Local clock offset: -0.357 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-18 09:59:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.21 Mbit/s

95th percentile per-packet one-way delay: 90.657 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 146.21 Mbit/s

95th percentile per-packet one-way delay: 89.227 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 192.00 Mbit/s

95th percentile per-packet one-way delay: 92.649 ms

Loss rate: 0.00%

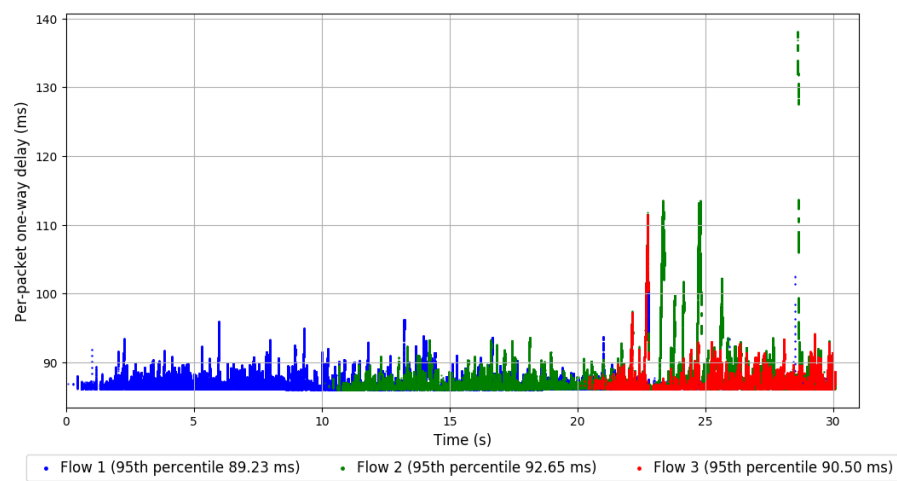
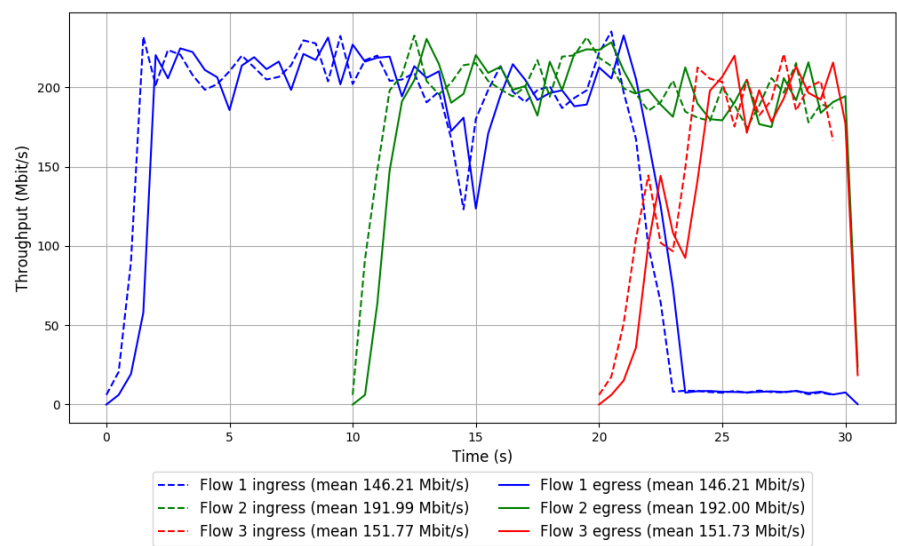
-- Flow 3:

Average throughput: 151.73 Mbit/s

95th percentile per-packet one-way delay: 90.501 ms

Loss rate: 0.02%

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

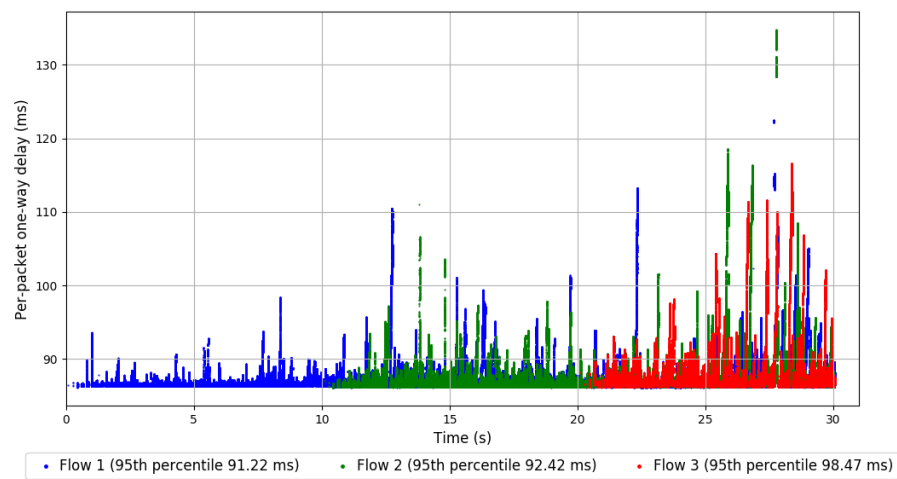
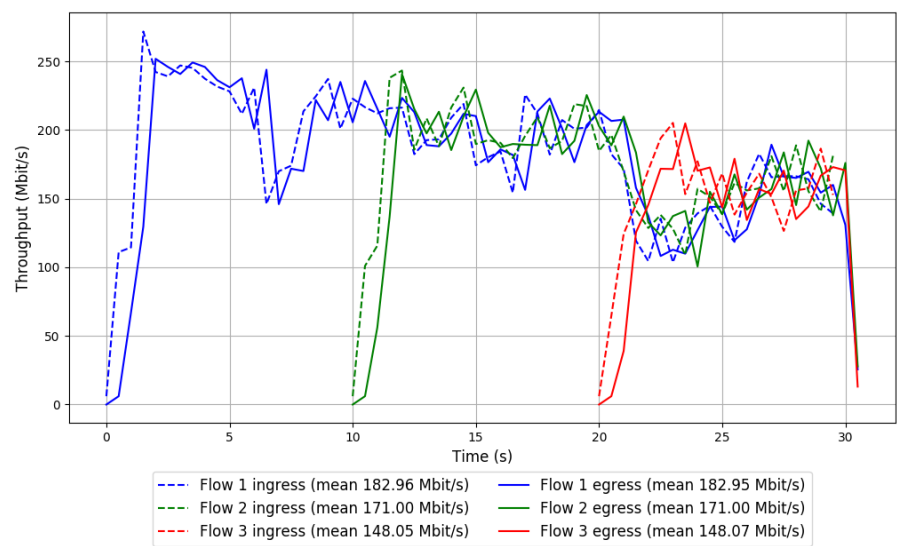


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 04:12:35
End at: 2018-07-18 04:13:05
Local clock offset: -0.267 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-18 09:59:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.97 Mbit/s
95th percentile per-packet one-way delay: 92.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.95 Mbit/s
95th percentile per-packet one-way delay: 91.220 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.00 Mbit/s
95th percentile per-packet one-way delay: 92.425 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.07 Mbit/s
95th percentile per-packet one-way delay: 98.471 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 04:38:35

End at: 2018-07-18 04:39:05

Local clock offset: -0.07 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-18 09:59:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.07 Mbit/s

95th percentile per-packet one-way delay: 91.770 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 181.27 Mbit/s

95th percentile per-packet one-way delay: 92.244 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 165.82 Mbit/s

95th percentile per-packet one-way delay: 91.916 ms

Loss rate: 0.00%

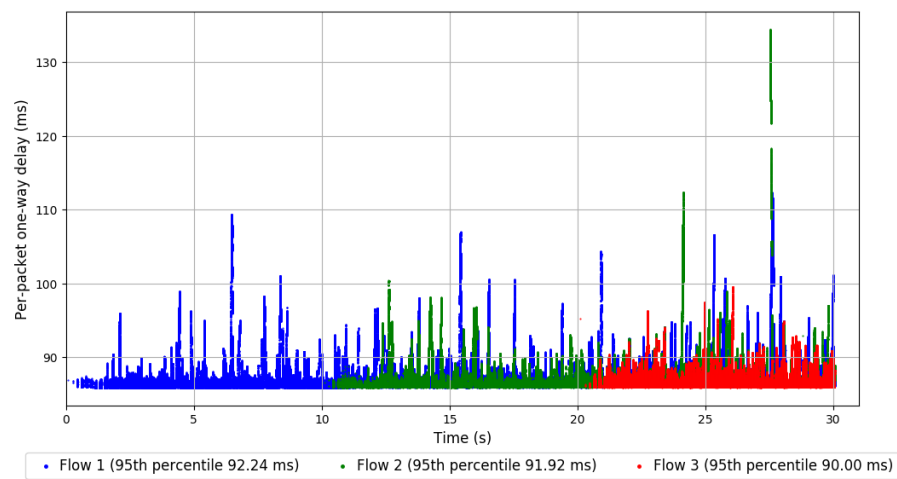
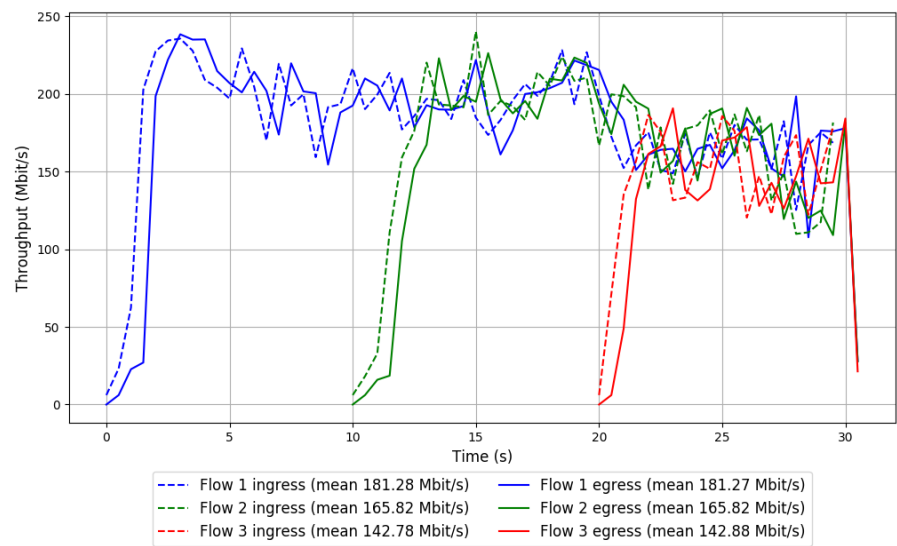
-- Flow 3:

Average throughput: 142.88 Mbit/s

95th percentile per-packet one-way delay: 90.000 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 05:04:42

End at: 2018-07-18 05:05:12

Local clock offset: -0.069 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-18 09:59:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.09 Mbit/s

95th percentile per-packet one-way delay: 90.547 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 185.68 Mbit/s

95th percentile per-packet one-way delay: 89.486 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 167.15 Mbit/s

95th percentile per-packet one-way delay: 91.427 ms

Loss rate: 0.00%

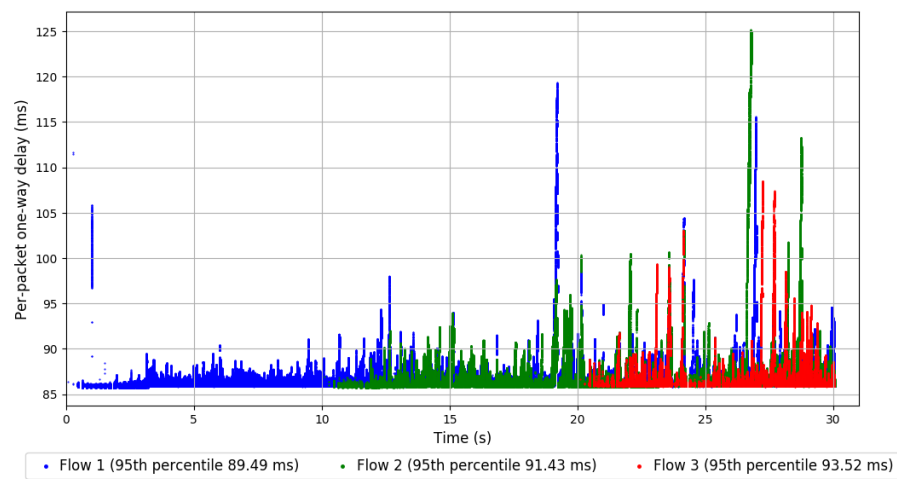
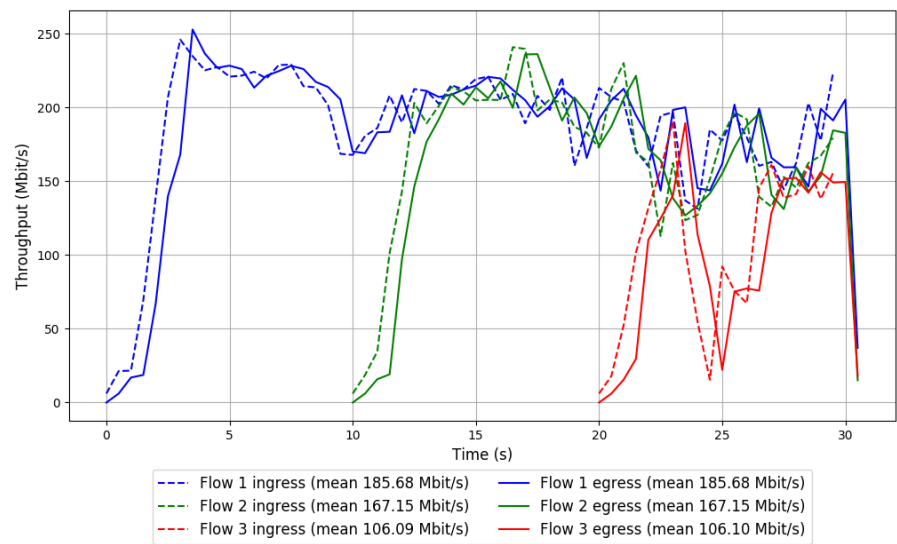
-- Flow 3:

Average throughput: 106.10 Mbit/s

95th percentile per-packet one-way delay: 93.517 ms

Loss rate: 0.00%

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

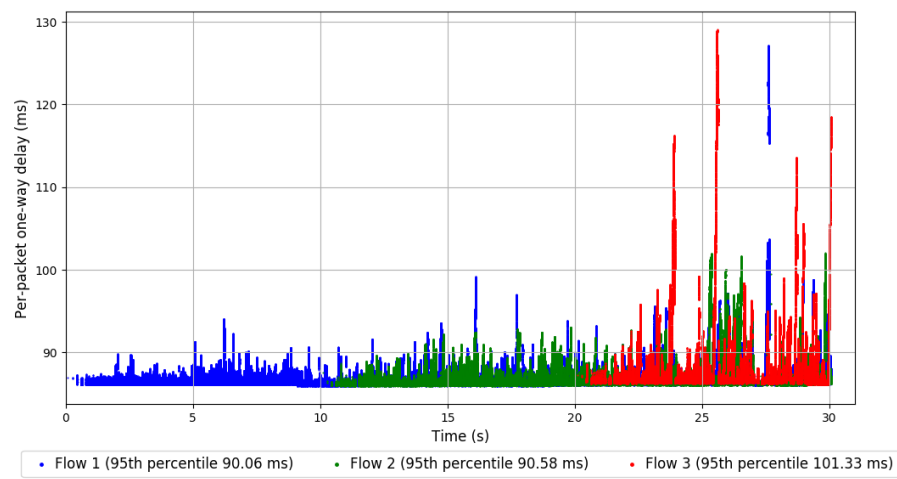
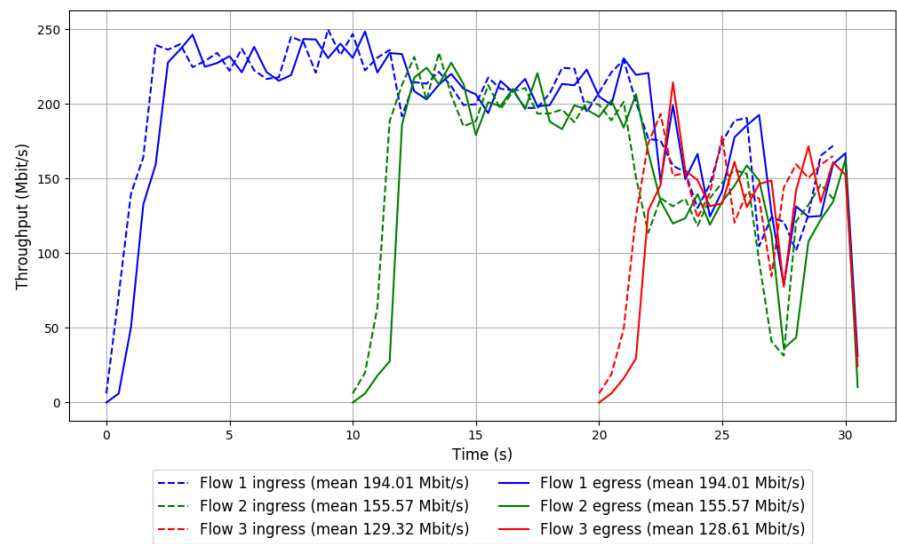


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 05:30:47
End at: 2018-07-18 05:31:17
Local clock offset: -0.353 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-18 10:00:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.36 Mbit/s
95th percentile per-packet one-way delay: 91.524 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 194.01 Mbit/s
95th percentile per-packet one-way delay: 90.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 155.57 Mbit/s
95th percentile per-packet one-way delay: 90.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.61 Mbit/s
95th percentile per-packet one-way delay: 101.325 ms
Loss rate: 0.55%

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

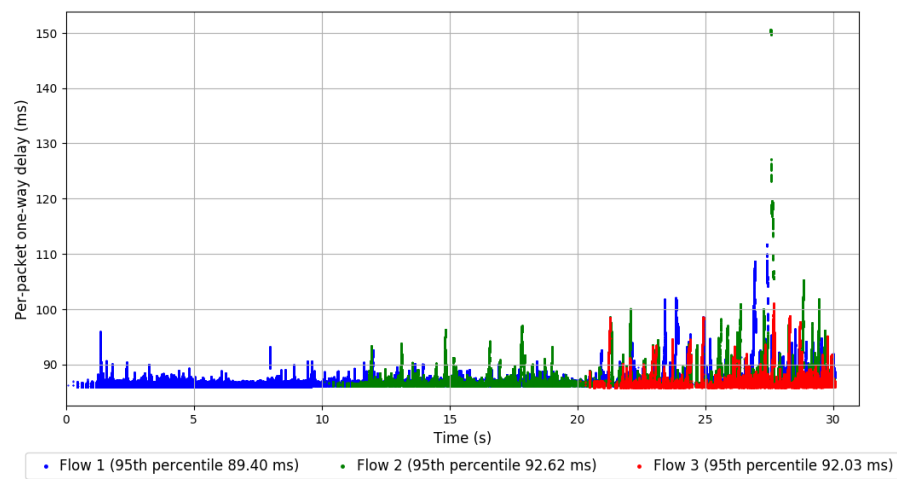
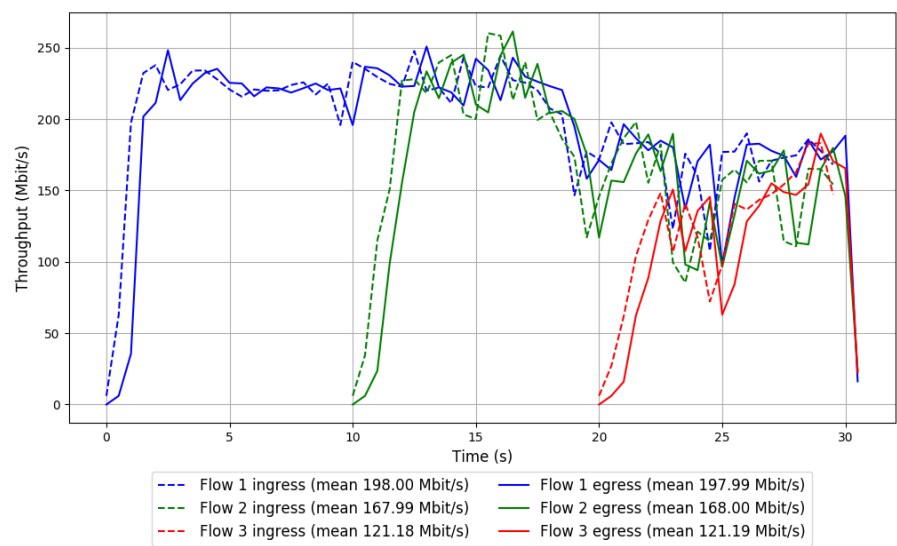


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 05:56:46
End at: 2018-07-18 05:57:16
Local clock offset: -0.227 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-18 10:01:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.06 Mbit/s
95th percentile per-packet one-way delay: 90.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.99 Mbit/s
95th percentile per-packet one-way delay: 89.398 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.00 Mbit/s
95th percentile per-packet one-way delay: 92.617 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.19 Mbit/s
95th percentile per-packet one-way delay: 92.034 ms
Loss rate: 0.00%

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

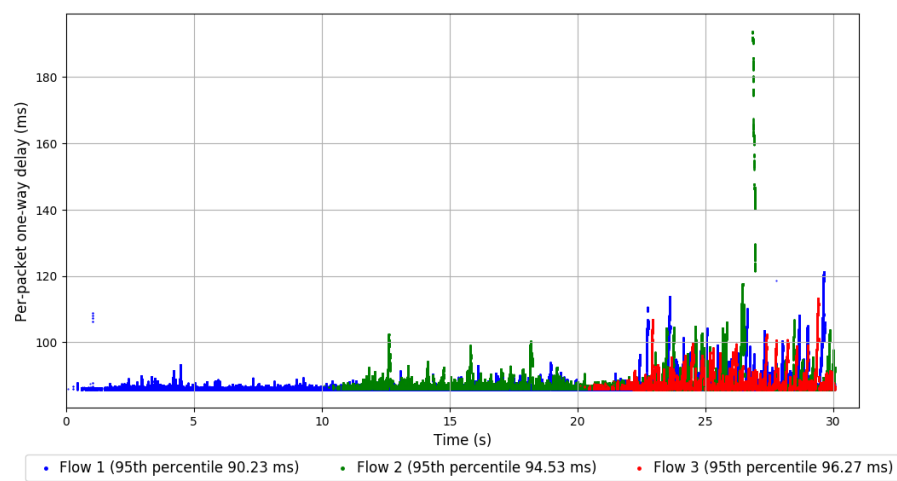
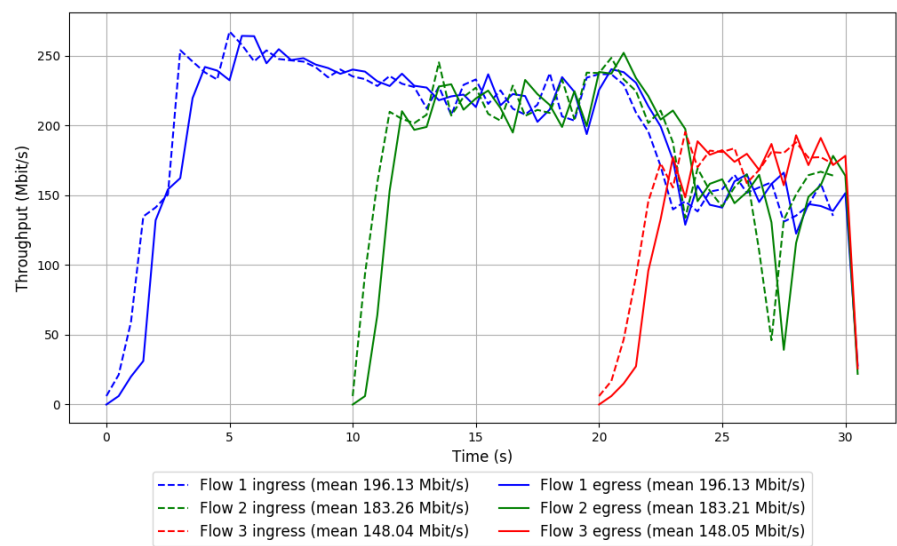


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 06:22:43
End at: 2018-07-18 06:23:13
Local clock offset: -0.132 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-18 10:01:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.33 Mbit/s
95th percentile per-packet one-way delay: 93.011 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 196.13 Mbit/s
95th percentile per-packet one-way delay: 90.232 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.21 Mbit/s
95th percentile per-packet one-way delay: 94.533 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 148.05 Mbit/s
95th percentile per-packet one-way delay: 96.266 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 06:48:50

End at: 2018-07-18 06:49:20

Local clock offset: -0.031 ms

Remote clock offset: 0.074 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.26 Mbit/s

95th percentile per-packet one-way delay: 89.436 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 172.08 Mbit/s

95th percentile per-packet one-way delay: 87.855 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.28 Mbit/s

95th percentile per-packet one-way delay: 90.875 ms

Loss rate: 0.00%

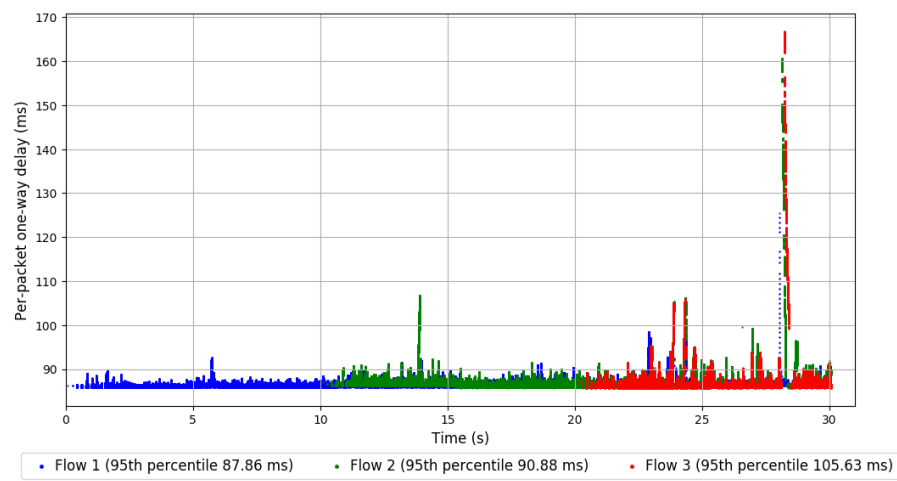
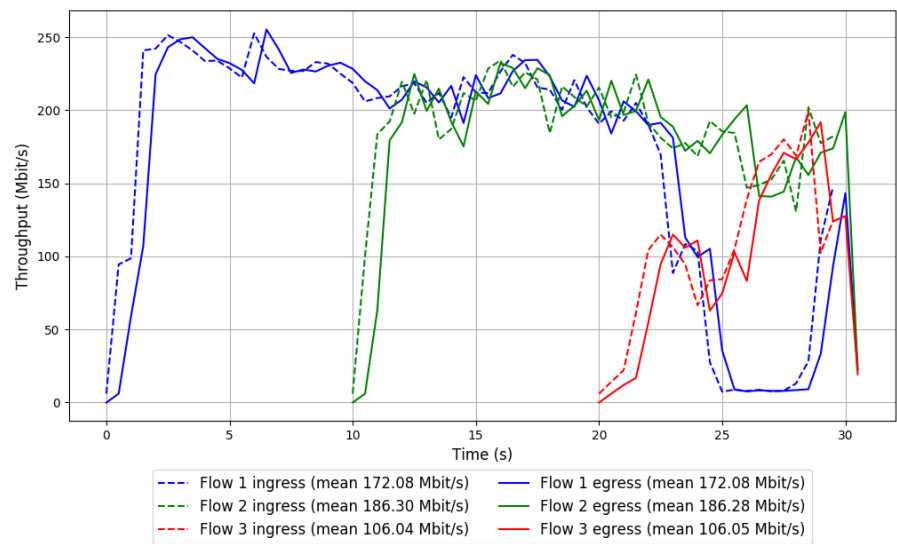
-- Flow 3:

Average throughput: 106.05 Mbit/s

95th percentile per-packet one-way delay: 105.631 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 07:14:46

End at: 2018-07-18 07:15:16

Local clock offset: -0.234 ms

Remote clock offset: 0.227 ms

Below is generated by plot.py at 2018-07-18 10:10:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.51 Mbit/s

95th percentile per-packet one-way delay: 90.371 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 160.47 Mbit/s

95th percentile per-packet one-way delay: 88.460 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 181.56 Mbit/s

95th percentile per-packet one-way delay: 92.033 ms

Loss rate: 0.02%

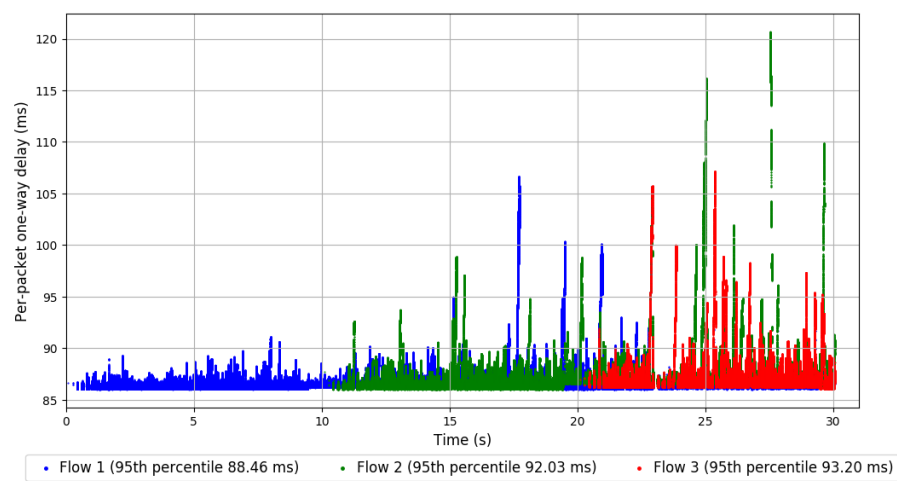
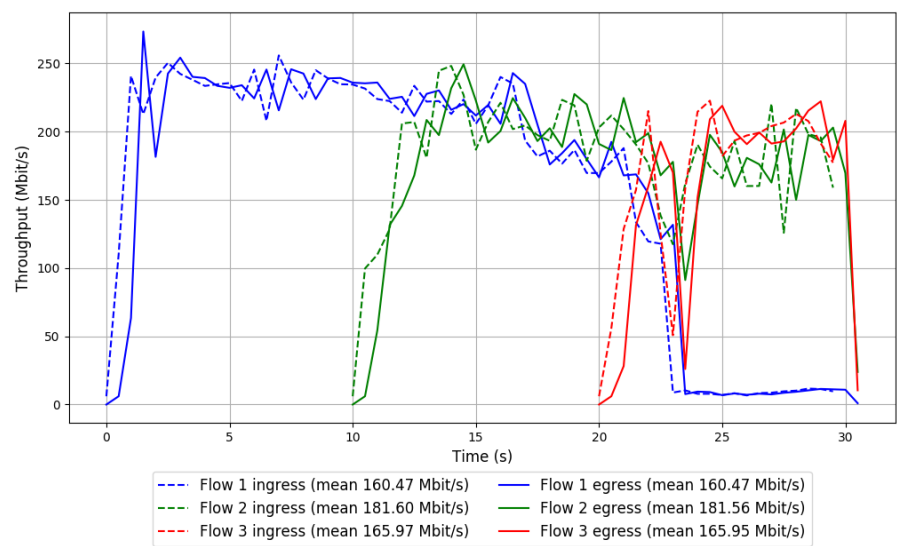
-- Flow 3:

Average throughput: 165.95 Mbit/s

95th percentile per-packet one-way delay: 93.199 ms

Loss rate: 0.01%

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

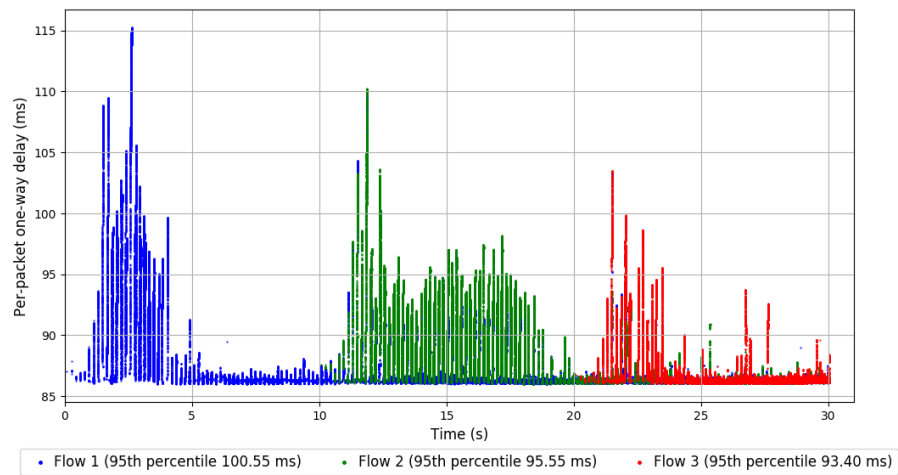
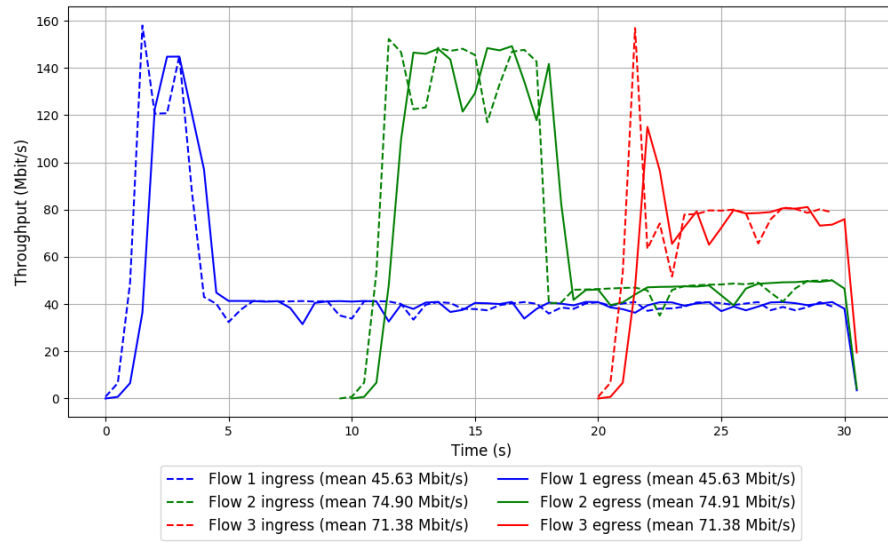


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 03:09:06
End at: 2018-07-18 03:09:36
Local clock offset: -0.221 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-18 10:10:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.24 Mbit/s
95th percentile per-packet one-way delay: 97.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 100.546 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 95.550 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.38 Mbit/s
95th percentile per-packet one-way delay: 93.400 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

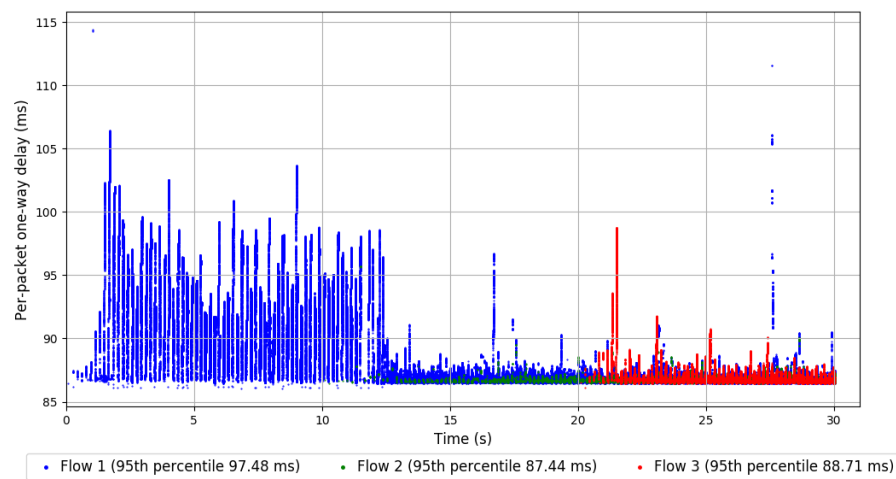
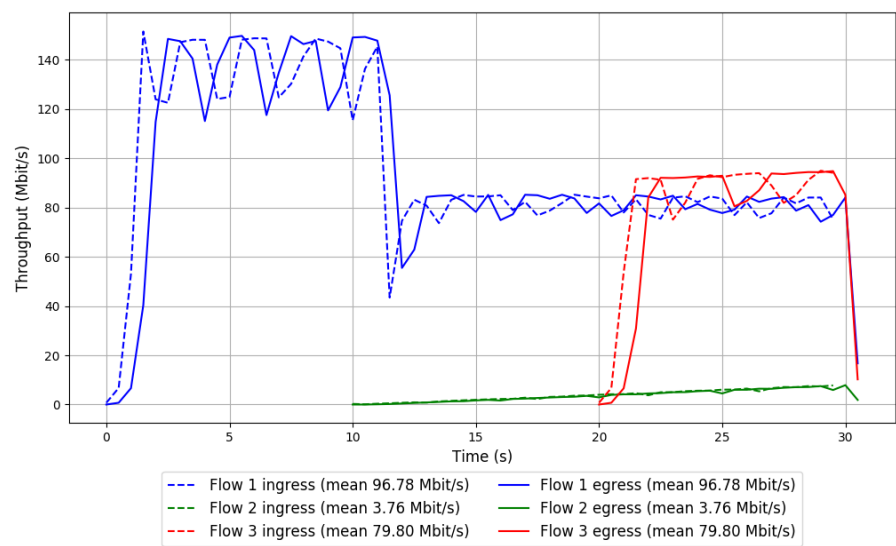


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 03:34:43
End at: 2018-07-18 03:35:13
Local clock offset: -0.265 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-18 10:10:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.77 Mbit/s
95th percentile per-packet one-way delay: 97.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 97.478 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 87.441 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 88.707 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

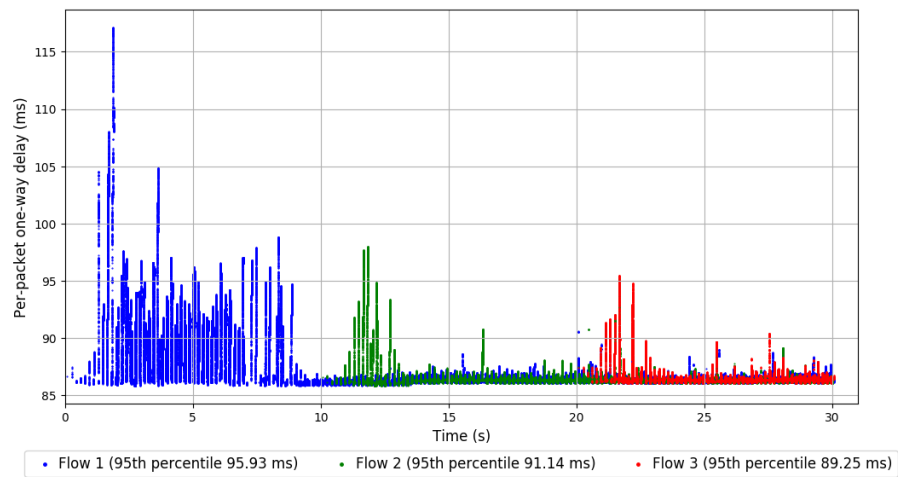
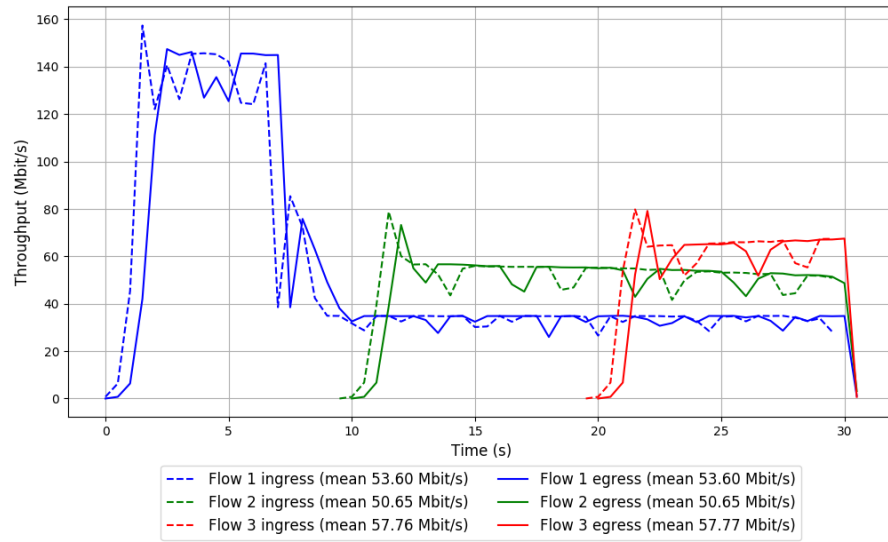


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 04:00:42
End at: 2018-07-18 04:01:12
Local clock offset: -0.113 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-18 10:10:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.54 Mbit/s
95th percentile per-packet one-way delay: 94.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 95.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 91.137 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 89.251 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 04:26:47

End at: 2018-07-18 04:27:17

Local clock offset: 0.031 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-18 10:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.24 Mbit/s

95th percentile per-packet one-way delay: 97.703 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 97.761 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.70 Mbit/s

95th percentile per-packet one-way delay: 91.232 ms

Loss rate: 0.16%

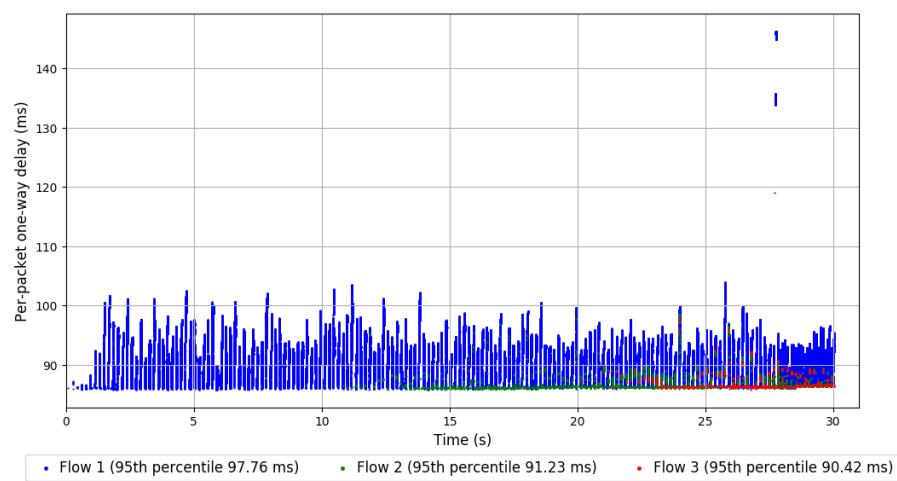
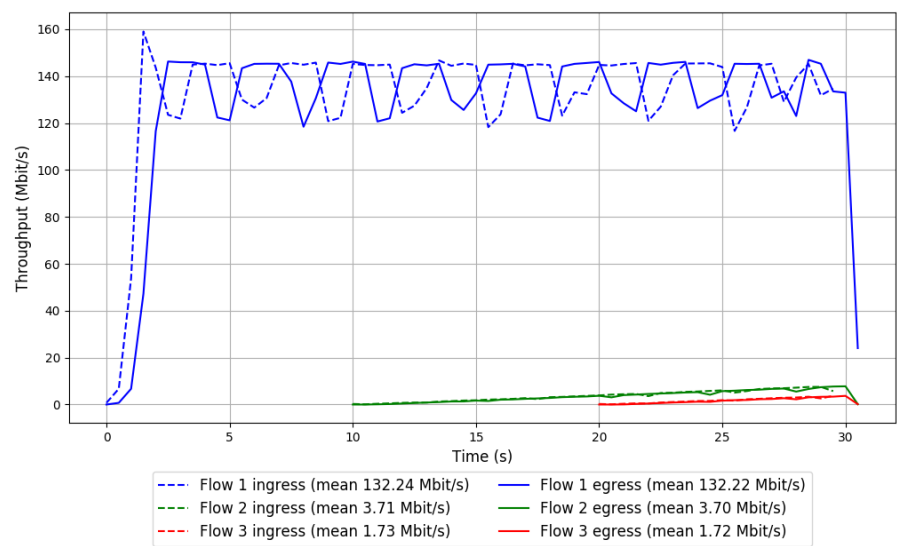
-- Flow 3:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 90.420 ms

Loss rate: 0.70%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 04:52:43

End at: 2018-07-18 04:53:13

Local clock offset: -0.069 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-18 10:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.87 Mbit/s

95th percentile per-packet one-way delay: 97.524 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.62 Mbit/s

95th percentile per-packet one-way delay: 92.103 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 129.06 Mbit/s

95th percentile per-packet one-way delay: 98.831 ms

Loss rate: 0.00%

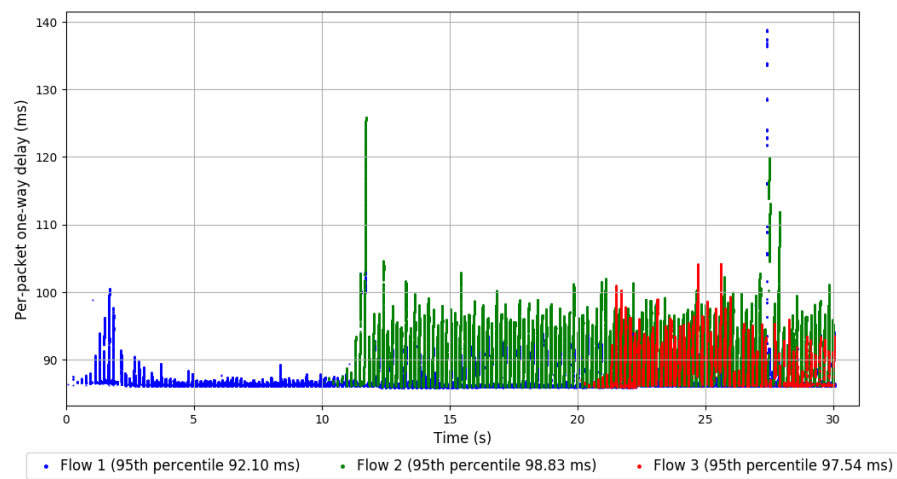
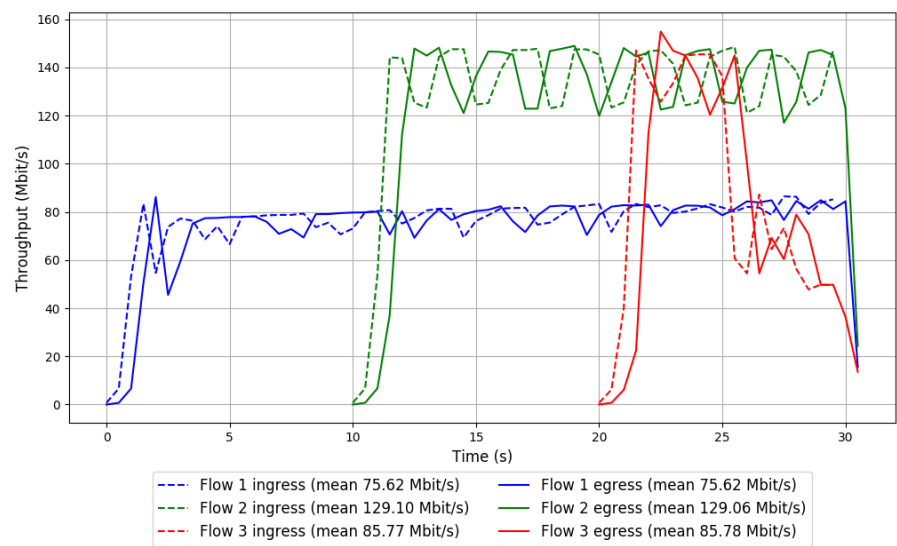
-- Flow 3:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 97.536 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 05:18:49

End at: 2018-07-18 05:19:19

Local clock offset: -0.259 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-18 10:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.39 Mbit/s

95th percentile per-packet one-way delay: 91.048 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.54 Mbit/s

95th percentile per-packet one-way delay: 91.065 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.96 Mbit/s

95th percentile per-packet one-way delay: 89.432 ms

Loss rate: 0.00%

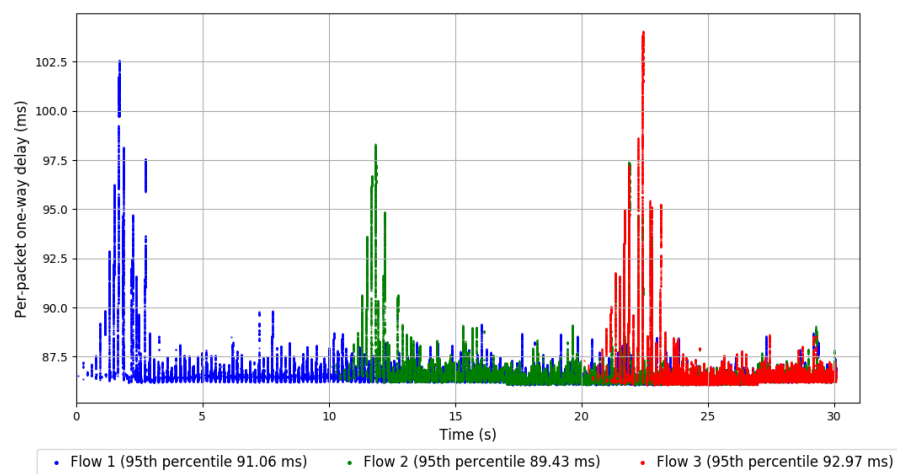
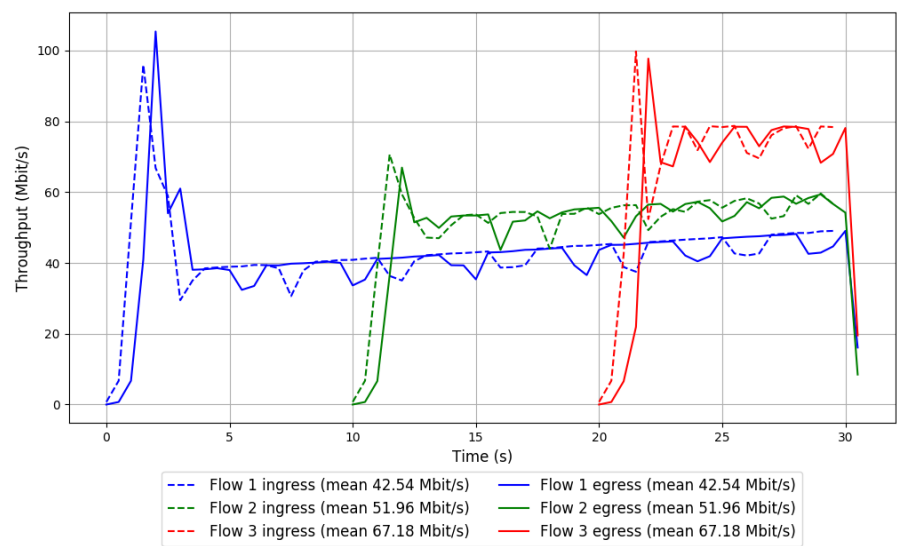
-- Flow 3:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 92.965 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

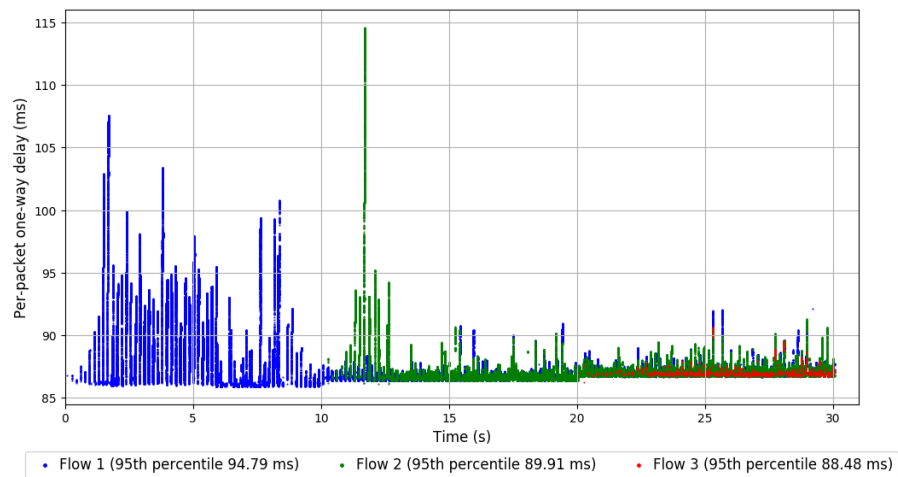
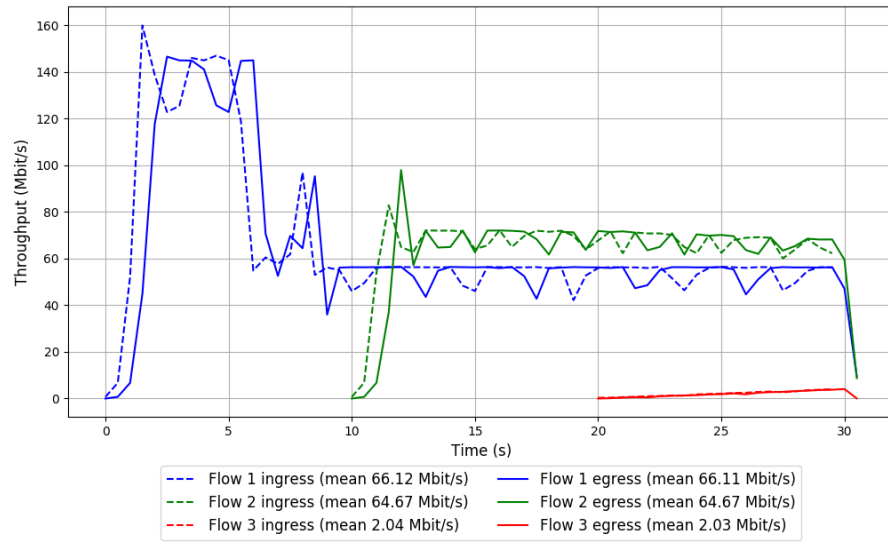


Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 05:44:56
End at: 2018-07-18 05:45:26
Local clock offset: -0.261 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-18 10:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.86 Mbit/s
95th percentile per-packet one-way delay: 93.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 94.787 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 89.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 88.476 ms
Loss rate: 0.47%

Run 7: Report of TCP Vegas — Data Link

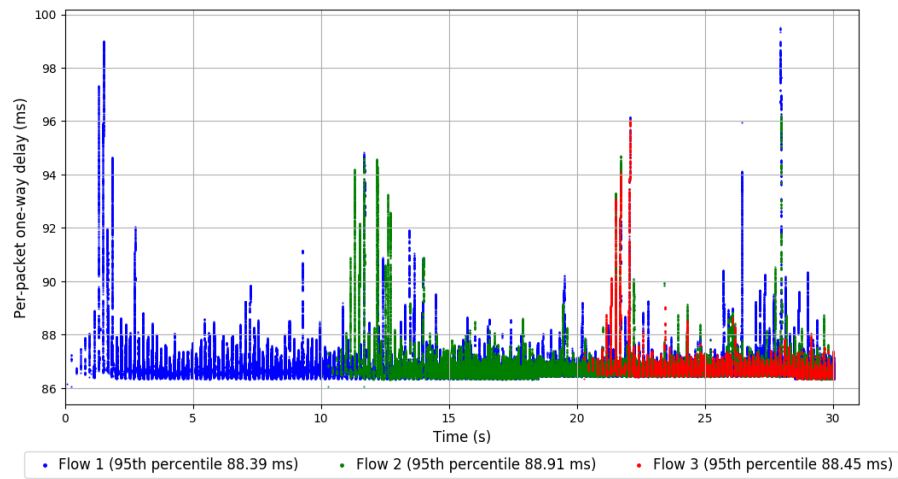
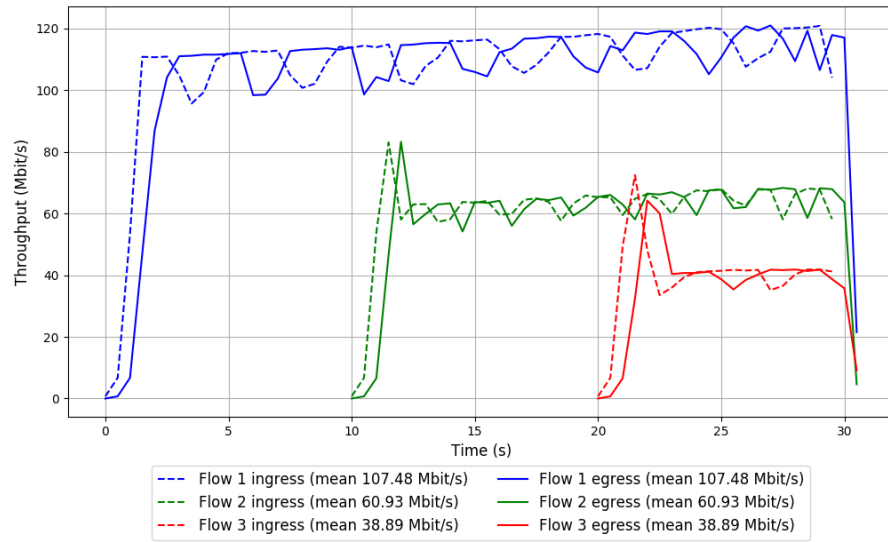


Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 06:10:47
End at: 2018-07-18 06:11:17
Local clock offset: -0.286 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-18 10:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.86 Mbit/s
95th percentile per-packet one-way delay: 88.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.48 Mbit/s
95th percentile per-packet one-way delay: 88.389 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 88.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 88.446 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 06:37:00

End at: 2018-07-18 06:37:30

Local clock offset: 0.099 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-18 10:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.68 Mbit/s

95th percentile per-packet one-way delay: 90.985 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.72 Mbit/s

95th percentile per-packet one-way delay: 87.816 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.89 Mbit/s

95th percentile per-packet one-way delay: 93.326 ms

Loss rate: 0.00%

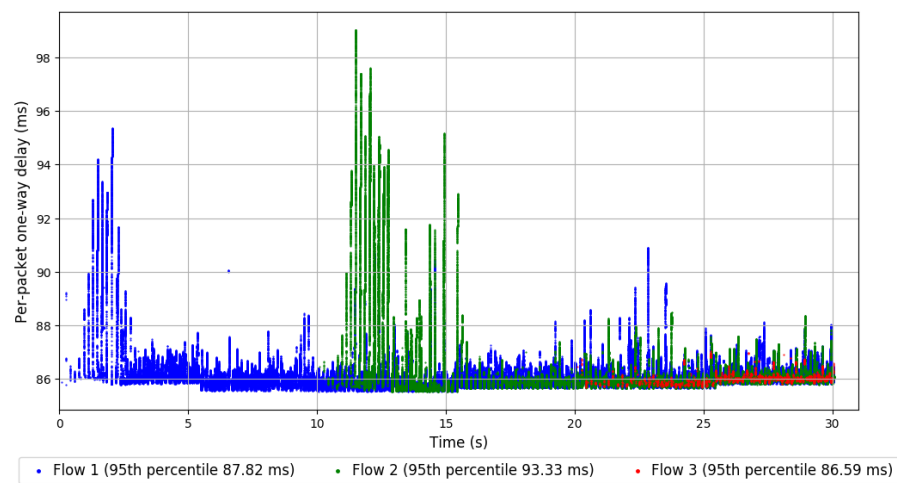
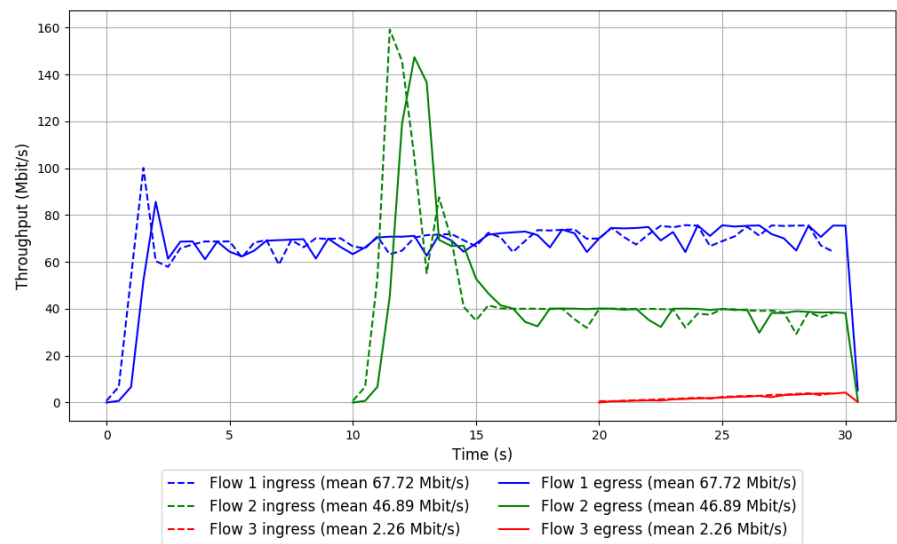
-- Flow 3:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 86.593 ms

Loss rate: 0.11%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 07:02:52

End at: 2018-07-18 07:03:22

Local clock offset: -0.091 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-07-18 10:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.83 Mbit/s

95th percentile per-packet one-way delay: 89.396 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.71 Mbit/s

95th percentile per-packet one-way delay: 88.404 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.99 Mbit/s

95th percentile per-packet one-way delay: 90.719 ms

Loss rate: 0.00%

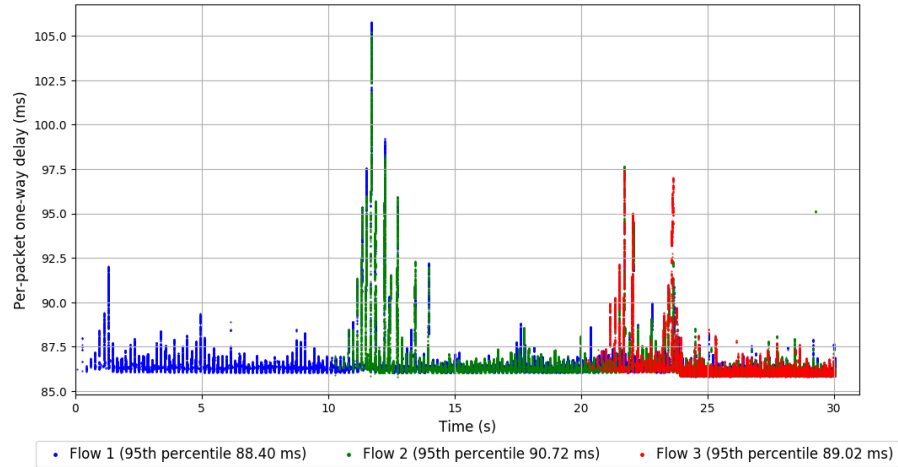
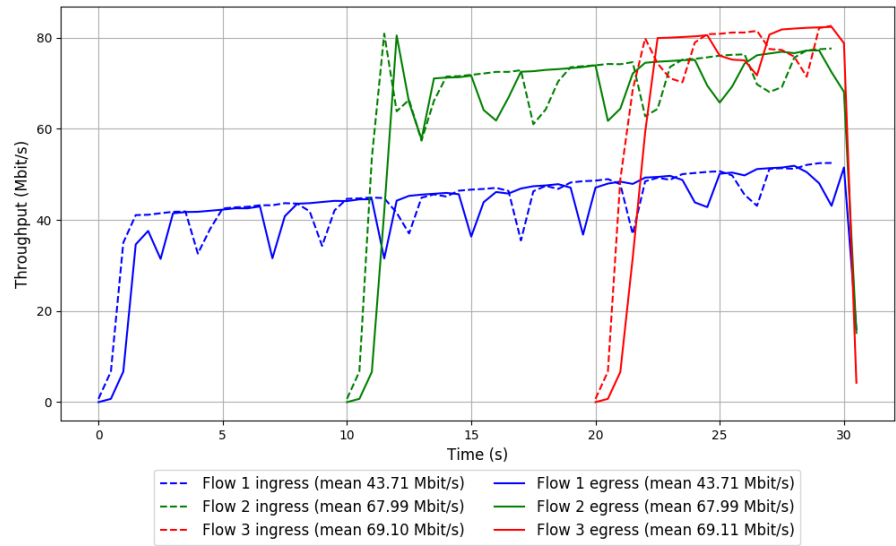
-- Flow 3:

Average throughput: 69.11 Mbit/s

95th percentile per-packet one-way delay: 89.017 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-18 03:10:25

End at: 2018-07-18 03:10:55

Local clock offset: -0.183 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-18 10:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 235.71 Mbit/s

95th percentile per-packet one-way delay: 196.395 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 146.50 Mbit/s

95th percentile per-packet one-way delay: 226.160 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 97.99 Mbit/s

95th percentile per-packet one-way delay: 125.872 ms

Loss rate: 0.00%

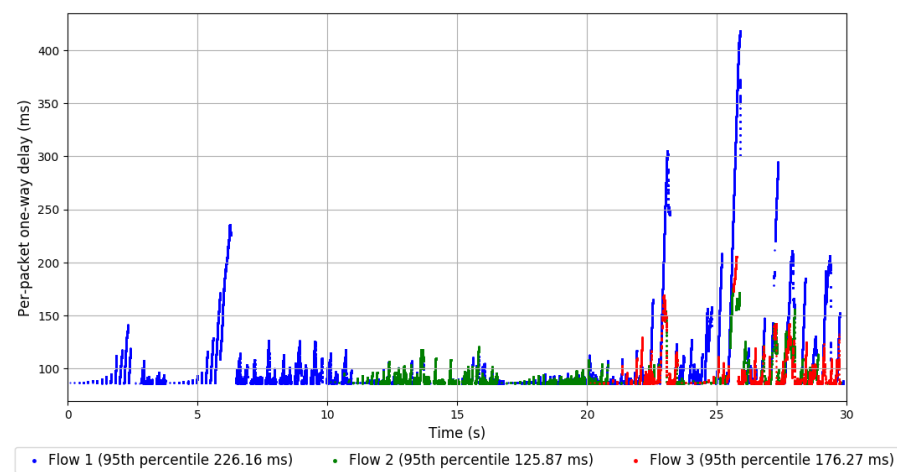
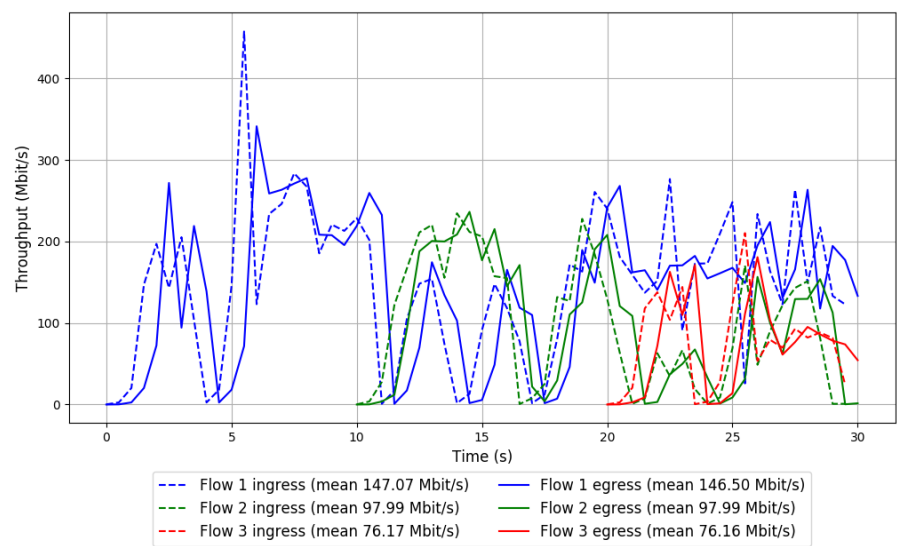
-- Flow 3:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 176.269 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

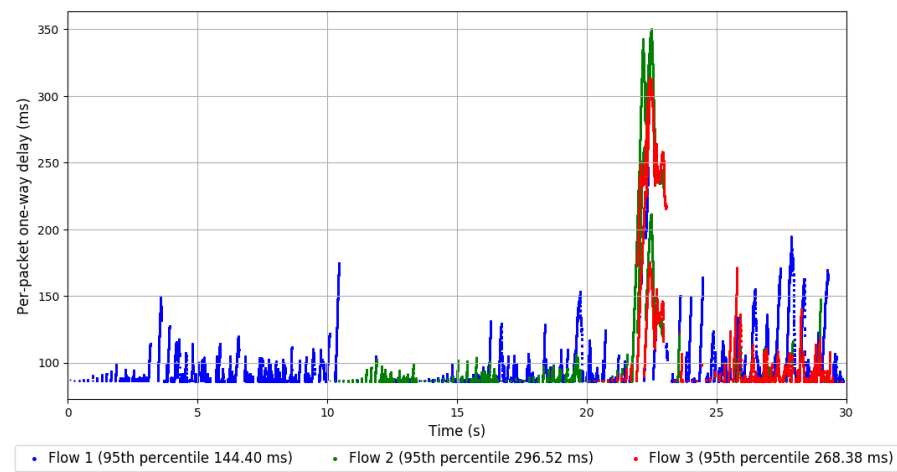
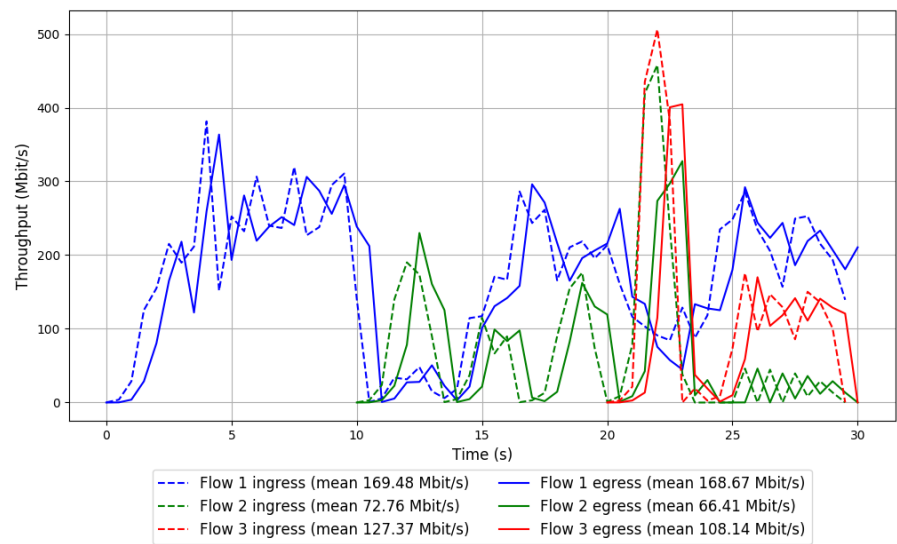


Run 2: Statistics of Verus

Start at: 2018-07-18 03:36:02
End at: 2018-07-18 03:36:32
Local clock offset: -0.188 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-18 10:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.87 Mbit/s
95th percentile per-packet one-way delay: 230.388 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 168.67 Mbit/s
95th percentile per-packet one-way delay: 144.399 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 66.41 Mbit/s
95th percentile per-packet one-way delay: 296.521 ms
Loss rate: 8.72%
-- Flow 3:
Average throughput: 108.14 Mbit/s
95th percentile per-packet one-way delay: 268.375 ms
Loss rate: 15.11%

Run 2: Report of Verus — Data Link

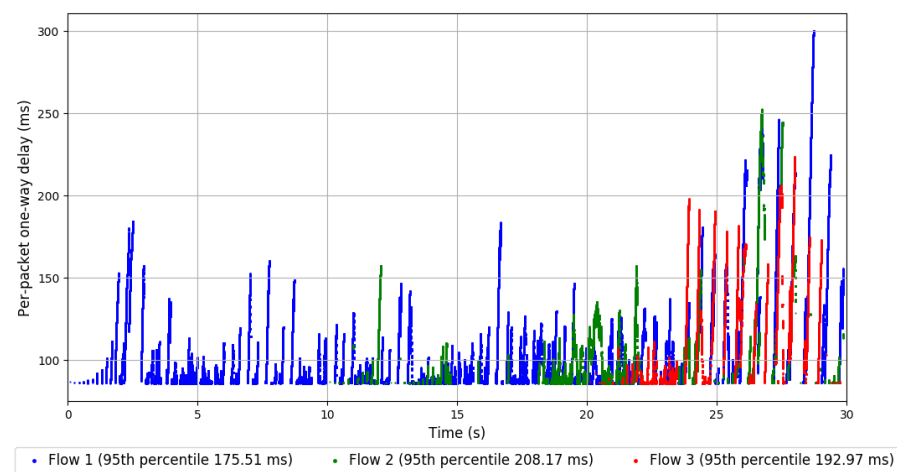
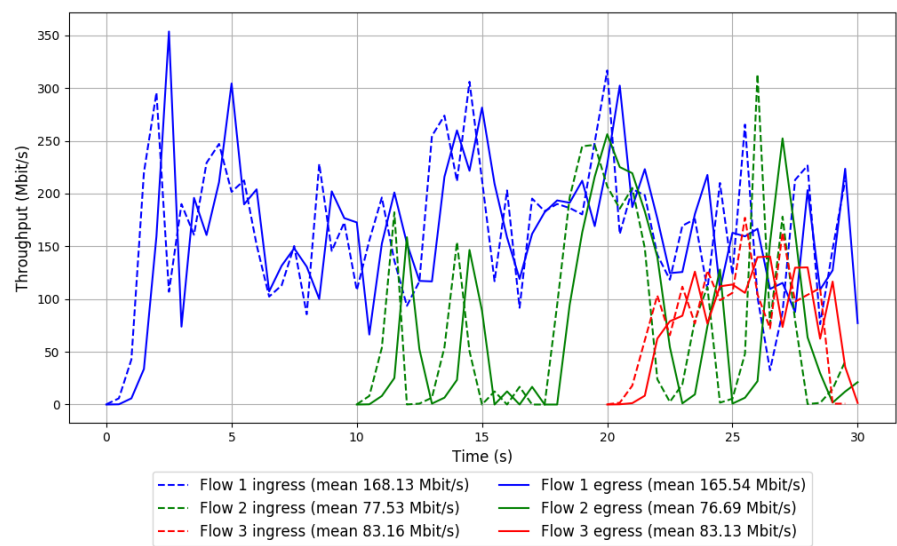


Run 3: Statistics of Verus

Start at: 2018-07-18 04:02:00
End at: 2018-07-18 04:02:30
Local clock offset: -0.148 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-18 10:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.30 Mbit/s
95th percentile per-packet one-way delay: 185.686 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 165.54 Mbit/s
95th percentile per-packet one-way delay: 175.508 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 208.172 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 192.970 ms
Loss rate: 0.04%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-18 04:28:06

End at: 2018-07-18 04:28:36

Local clock offset: -0.181 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-18 10:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.65 Mbit/s

95th percentile per-packet one-way delay: 170.506 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 106.50 Mbit/s

95th percentile per-packet one-way delay: 138.414 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.56 Mbit/s

95th percentile per-packet one-way delay: 168.600 ms

Loss rate: 0.97%

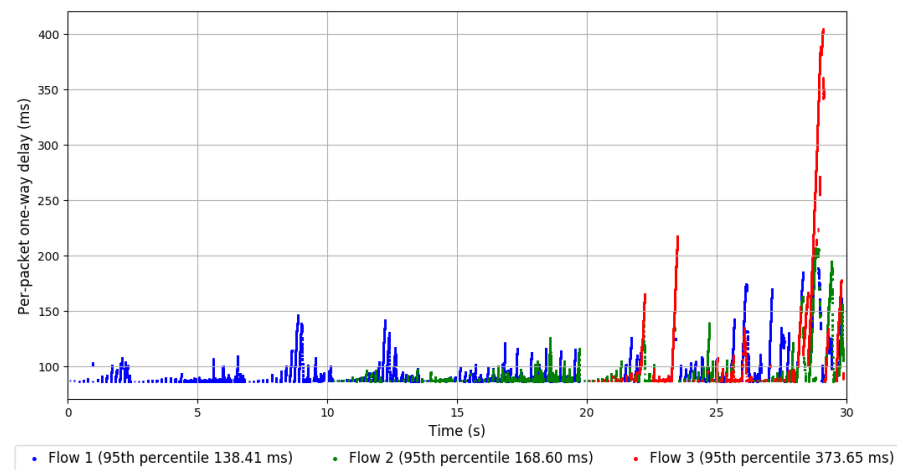
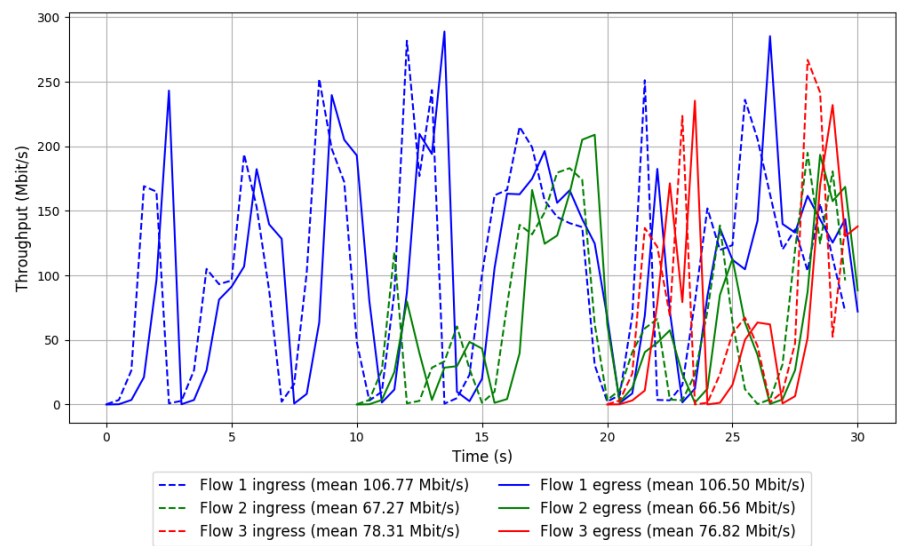
-- Flow 3:

Average throughput: 76.82 Mbit/s

95th percentile per-packet one-way delay: 373.648 ms

Loss rate: 1.89%

Run 4: Report of Verus — Data Link

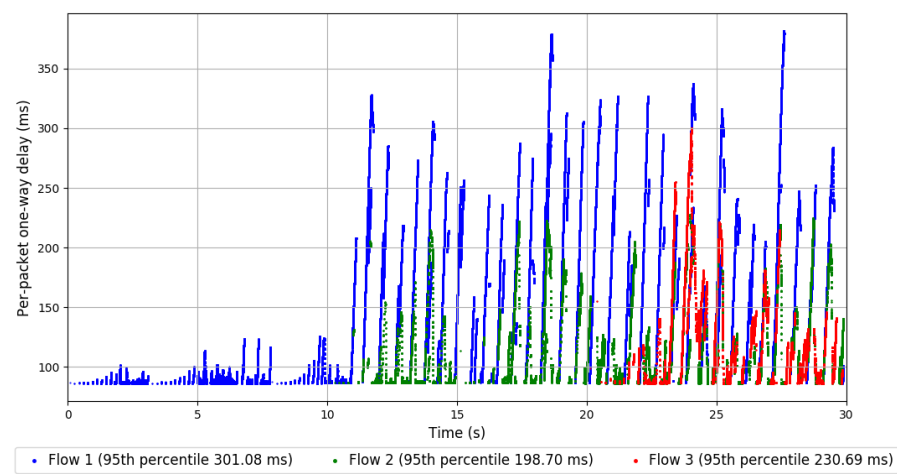
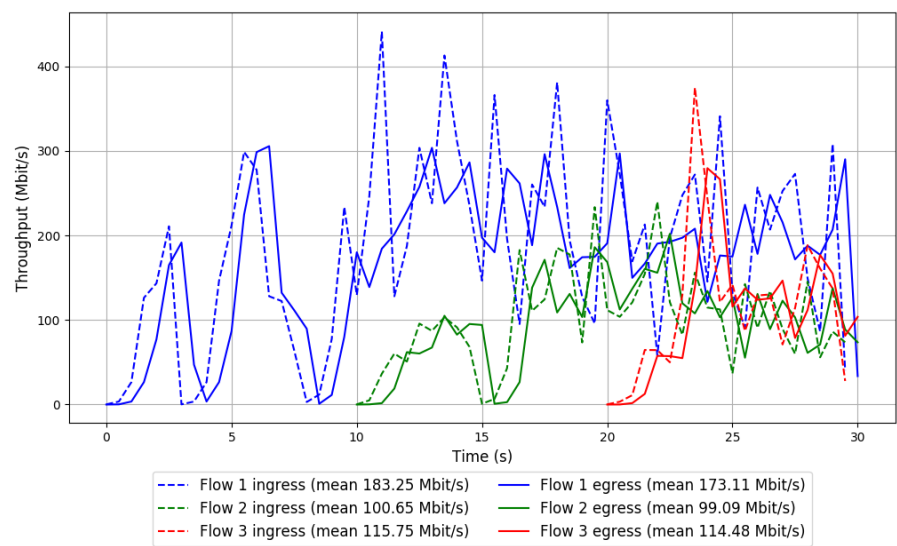


Run 5: Statistics of Verus

Start at: 2018-07-18 04:54:06
End at: 2018-07-18 04:54:36
Local clock offset: -0.139 ms
Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-18 10:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.21 Mbit/s
95th percentile per-packet one-way delay: 282.687 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 173.11 Mbit/s
95th percentile per-packet one-way delay: 301.080 ms
Loss rate: 5.54%
-- Flow 2:
Average throughput: 99.09 Mbit/s
95th percentile per-packet one-way delay: 198.700 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 114.48 Mbit/s
95th percentile per-packet one-way delay: 230.690 ms
Loss rate: 1.11%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-18 05:20:05

End at: 2018-07-18 05:20:35

Local clock offset: -0.21 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-18 10:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.11 Mbit/s

95th percentile per-packet one-way delay: 248.970 ms

Loss rate: 2.92%

-- Flow 1:

Average throughput: 190.14 Mbit/s

95th percentile per-packet one-way delay: 237.633 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 123.64 Mbit/s

95th percentile per-packet one-way delay: 268.184 ms

Loss rate: 5.83%

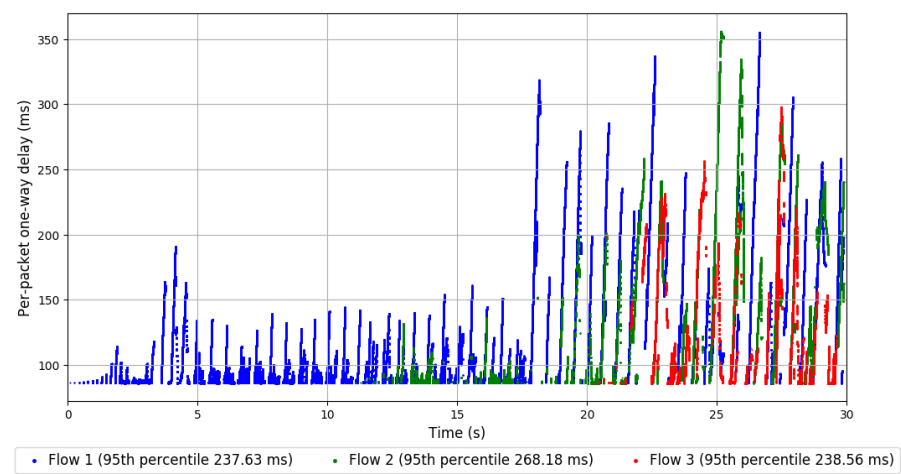
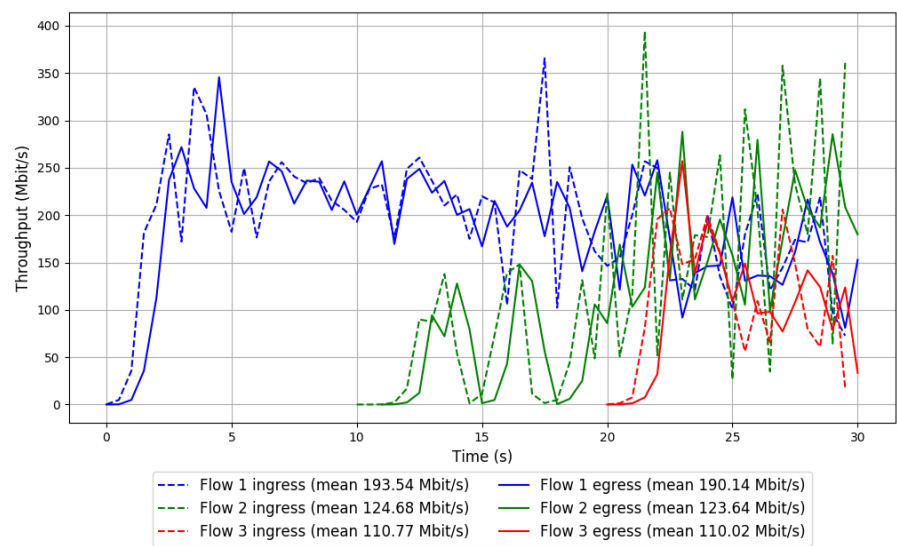
-- Flow 3:

Average throughput: 110.02 Mbit/s

95th percentile per-packet one-way delay: 238.558 ms

Loss rate: 3.65%

Run 6: Report of Verus — Data Link

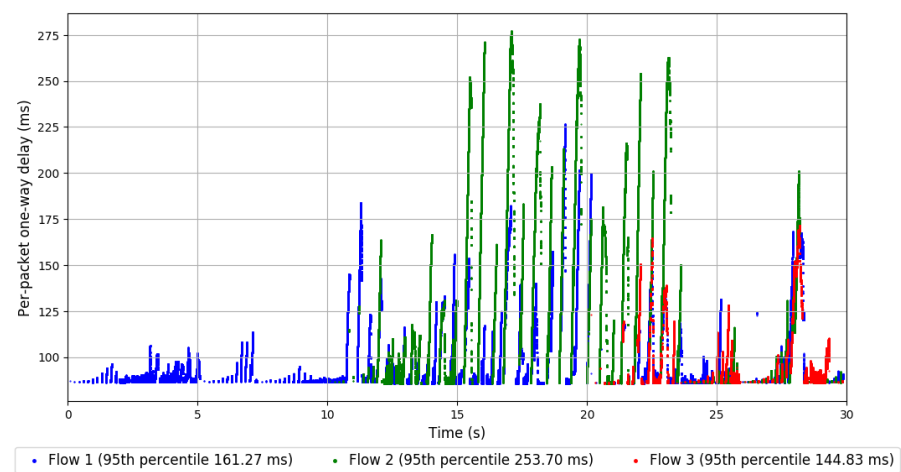
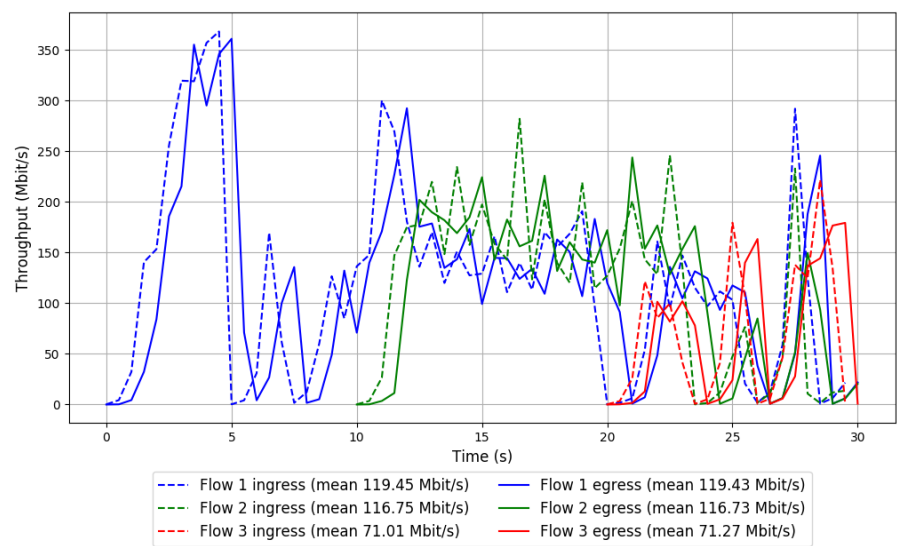


Run 7: Statistics of Verus

Start at: 2018-07-18 05:46:13
End at: 2018-07-18 05:46:43
Local clock offset: -0.049 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-18 10:12:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.78 Mbit/s
95th percentile per-packet one-way delay: 214.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.43 Mbit/s
95th percentile per-packet one-way delay: 161.274 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.73 Mbit/s
95th percentile per-packet one-way delay: 253.702 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.27 Mbit/s
95th percentile per-packet one-way delay: 144.829 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

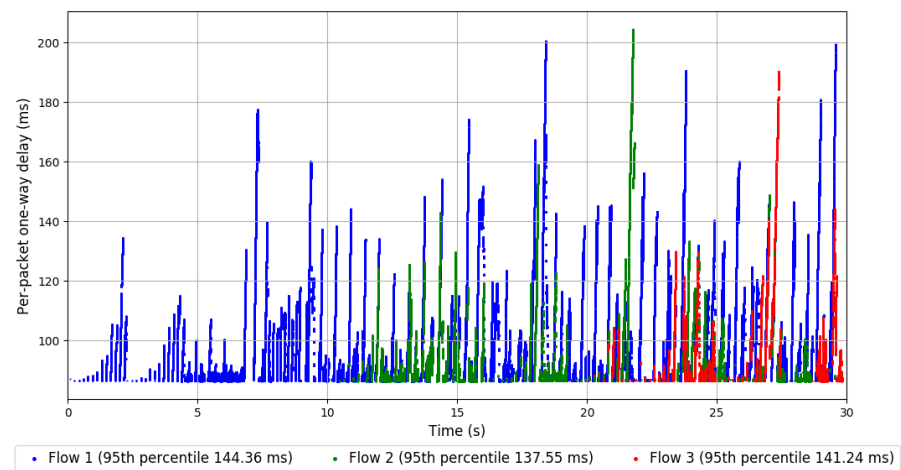
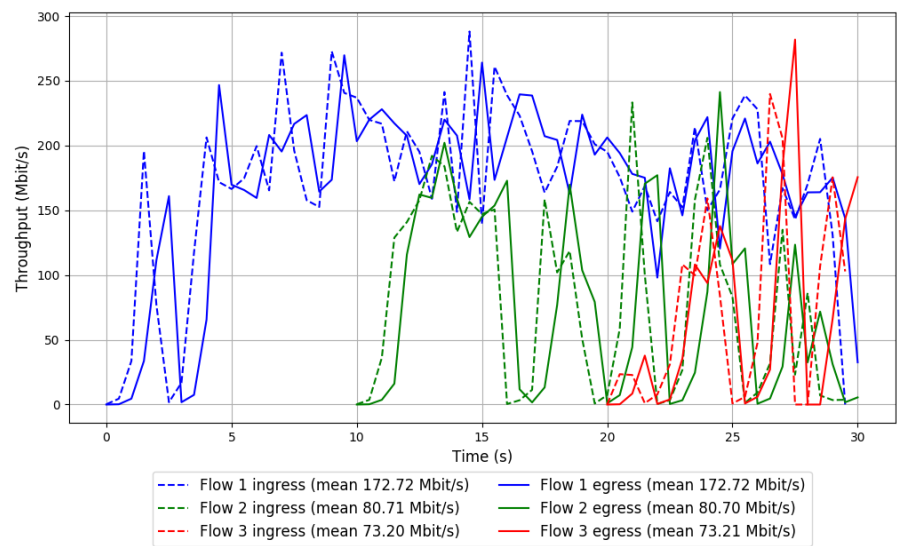


Run 8: Statistics of Verus

Start at: 2018-07-18 06:12:08
End at: 2018-07-18 06:12:38
Local clock offset: -0.21 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-18 10:12:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.38 Mbit/s
95th percentile per-packet one-way delay: 143.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.72 Mbit/s
95th percentile per-packet one-way delay: 144.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.70 Mbit/s
95th percentile per-packet one-way delay: 137.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.21 Mbit/s
95th percentile per-packet one-way delay: 141.240 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-18 06:38:18

End at: 2018-07-18 06:38:48

Local clock offset: 0.104 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-18 10:12:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.71 Mbit/s

95th percentile per-packet one-way delay: 152.958 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 149.68 Mbit/s

95th percentile per-packet one-way delay: 128.040 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 118.89 Mbit/s

95th percentile per-packet one-way delay: 223.263 ms

Loss rate: 0.49%

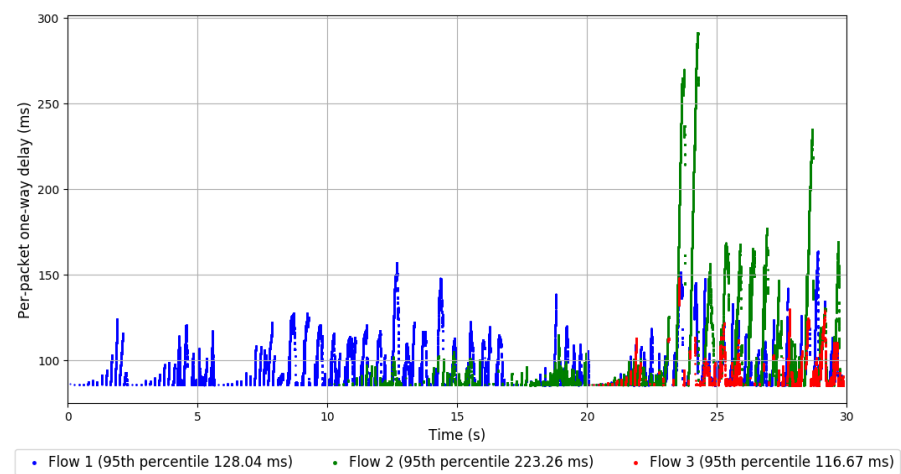
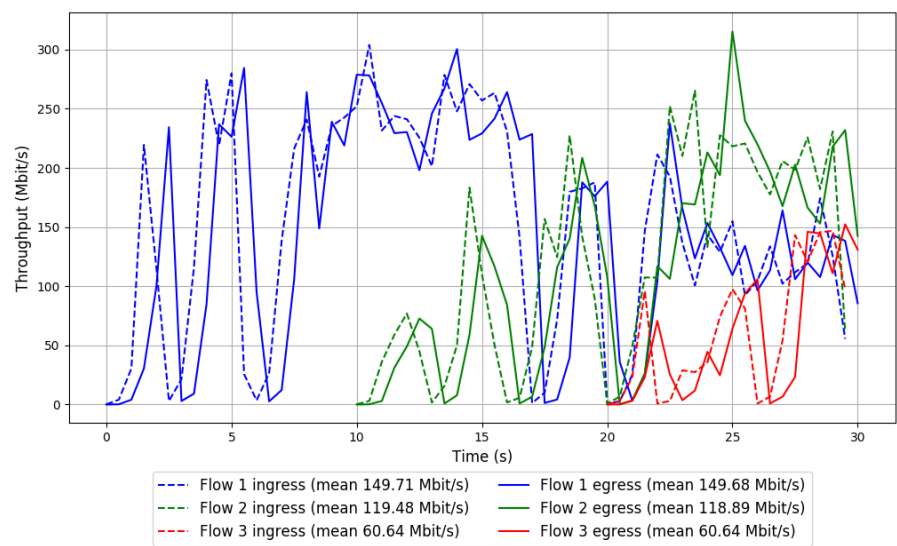
-- Flow 3:

Average throughput: 60.64 Mbit/s

95th percentile per-packet one-way delay: 116.673 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-18 07:04:11

End at: 2018-07-18 07:04:41

Local clock offset: -0.051 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-07-18 10:12:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.96 Mbit/s

95th percentile per-packet one-way delay: 146.868 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 174.19 Mbit/s

95th percentile per-packet one-way delay: 142.100 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 143.649 ms

Loss rate: 0.18%

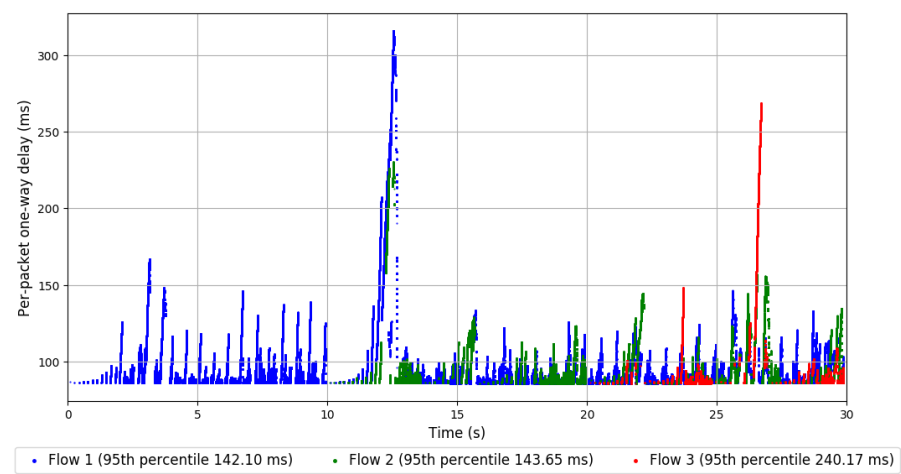
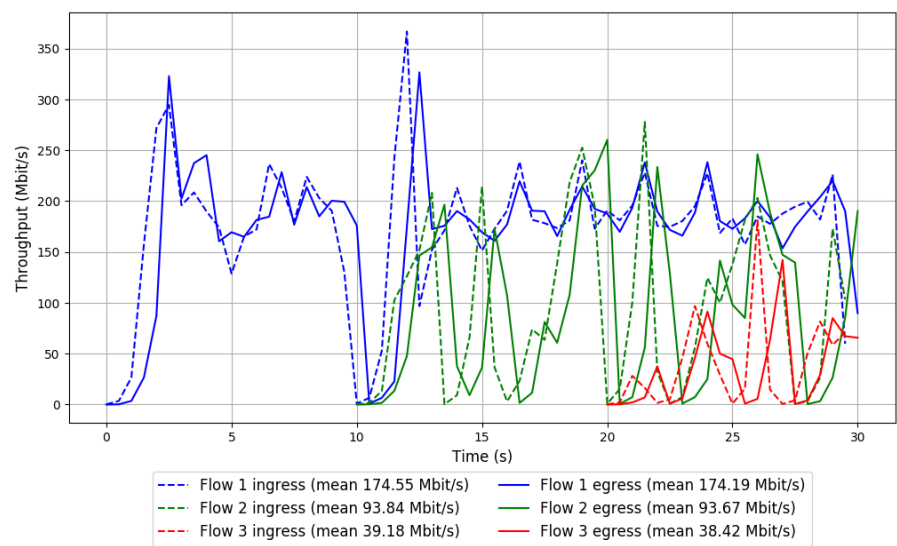
-- Flow 3:

Average throughput: 38.42 Mbit/s

95th percentile per-packet one-way delay: 240.169 ms

Loss rate: 1.92%

Run 10: Report of Verus — Data Link

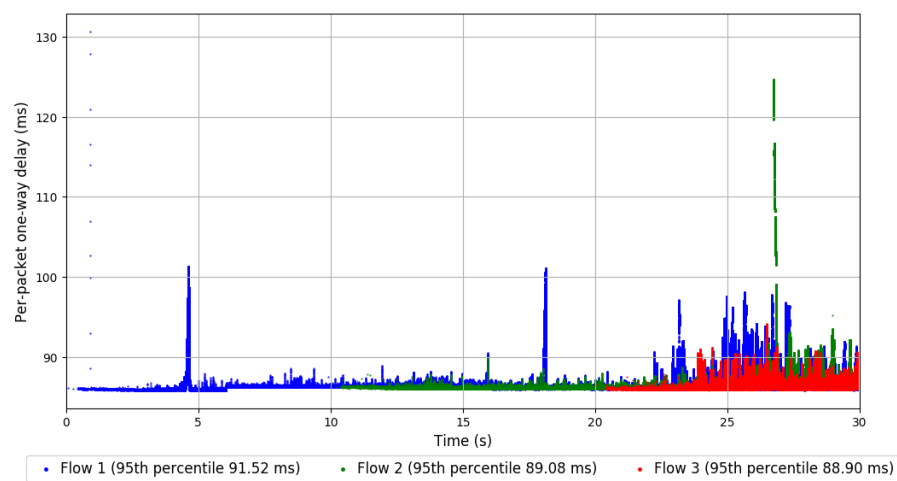
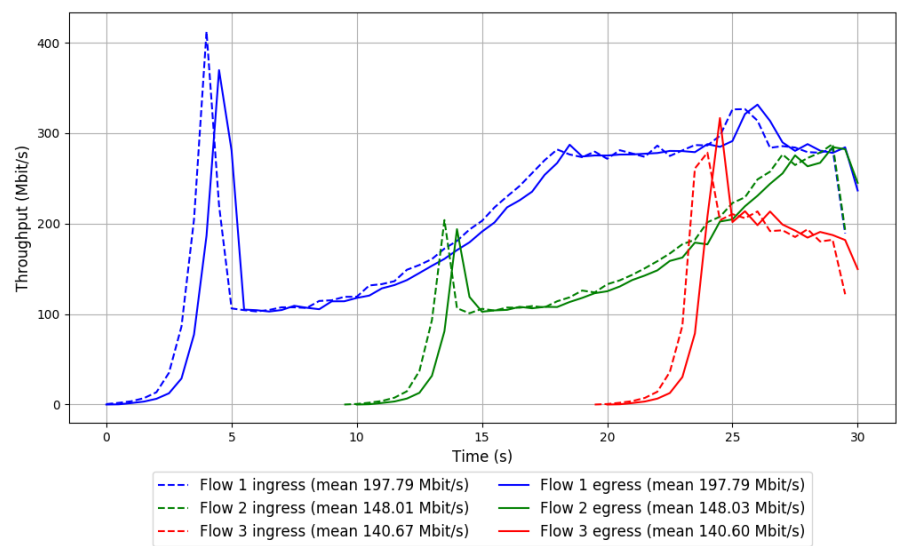


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 03:27:09
End at: 2018-07-18 03:27:39
Local clock offset: -0.042 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-18 10:16:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.81 Mbit/s
95th percentile per-packet one-way delay: 90.278 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 197.79 Mbit/s
95th percentile per-packet one-way delay: 91.517 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 148.03 Mbit/s
95th percentile per-packet one-way delay: 89.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 140.60 Mbit/s
95th percentile per-packet one-way delay: 88.903 ms
Loss rate: 0.05%

Run 1: Report of PCC-Vivace — Data Link

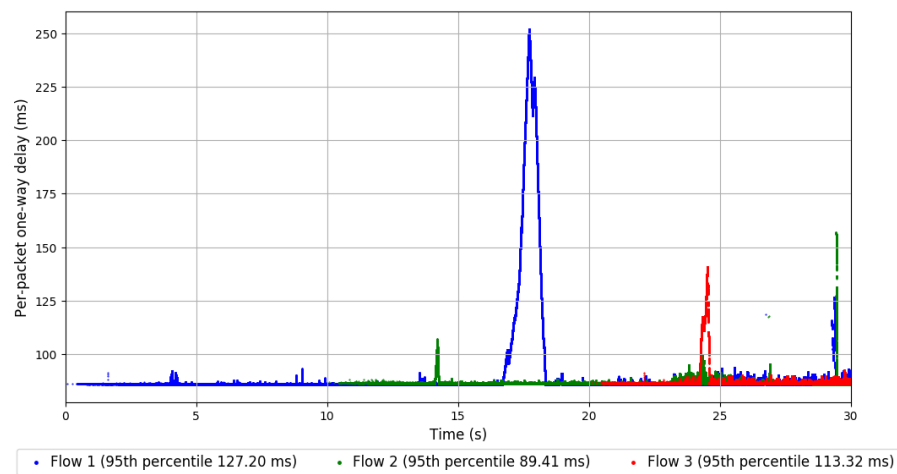
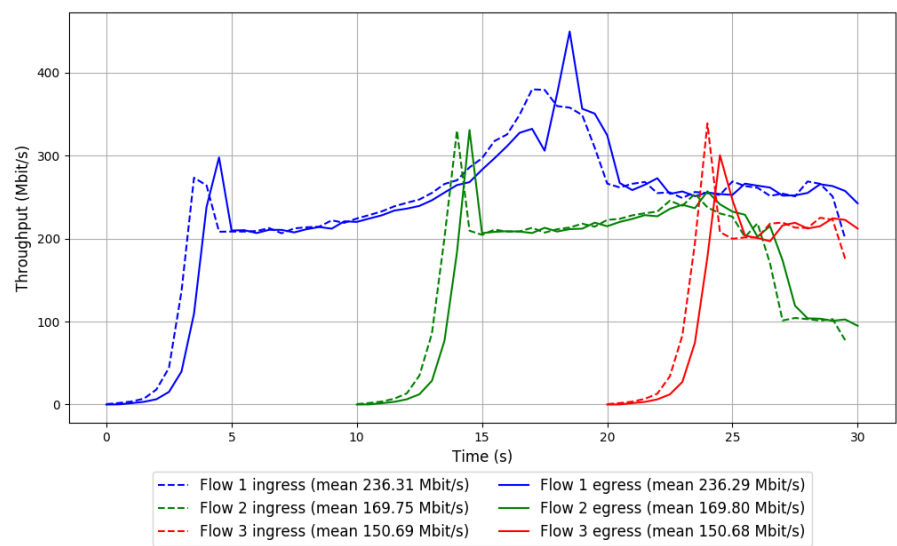


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 03:52:57
End at: 2018-07-18 03:53:27
Local clock offset: 0.044 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-18 10:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.96 Mbit/s
95th percentile per-packet one-way delay: 106.110 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 236.29 Mbit/s
95th percentile per-packet one-way delay: 127.196 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 169.80 Mbit/s
95th percentile per-packet one-way delay: 89.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 150.68 Mbit/s
95th percentile per-packet one-way delay: 113.317 ms
Loss rate: 0.05%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 04:18:58

End at: 2018-07-18 04:19:28

Local clock offset: 0.064 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-18 10:19:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.90 Mbit/s

95th percentile per-packet one-way delay: 103.805 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 251.45 Mbit/s

95th percentile per-packet one-way delay: 109.460 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 206.26 Mbit/s

95th percentile per-packet one-way delay: 90.425 ms

Loss rate: 0.03%

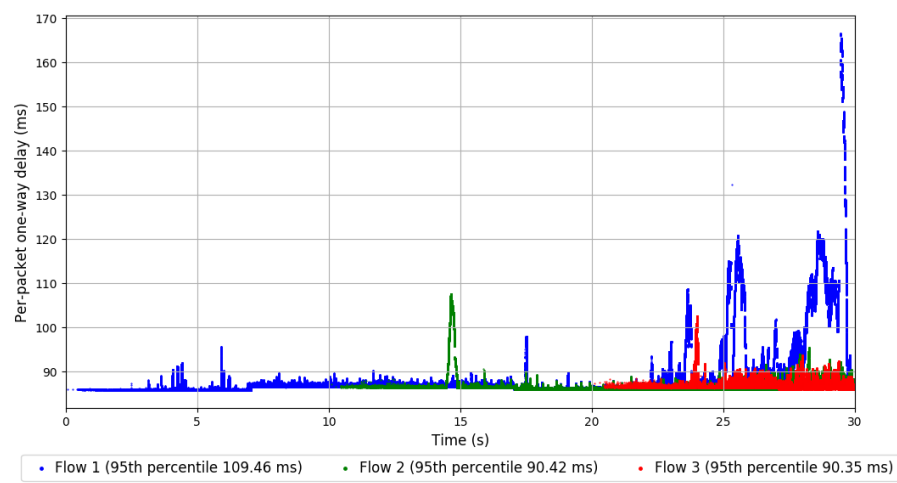
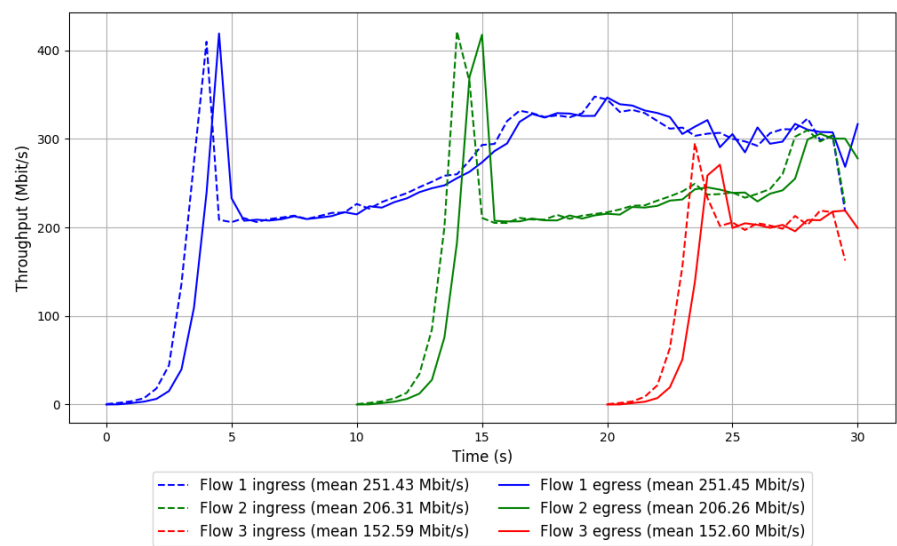
-- Flow 3:

Average throughput: 152.60 Mbit/s

95th percentile per-packet one-way delay: 90.352 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 04:44:57

End at: 2018-07-18 04:45:27

Local clock offset: -0.104 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-18 10:19:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 424.17 Mbit/s

95th percentile per-packet one-way delay: 94.777 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 243.51 Mbit/s

95th percentile per-packet one-way delay: 96.008 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 201.26 Mbit/s

95th percentile per-packet one-way delay: 89.723 ms

Loss rate: 0.02%

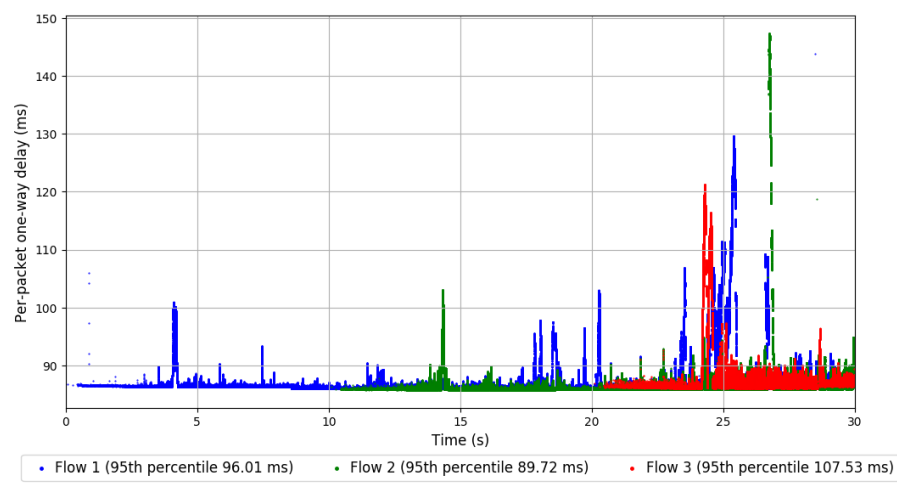
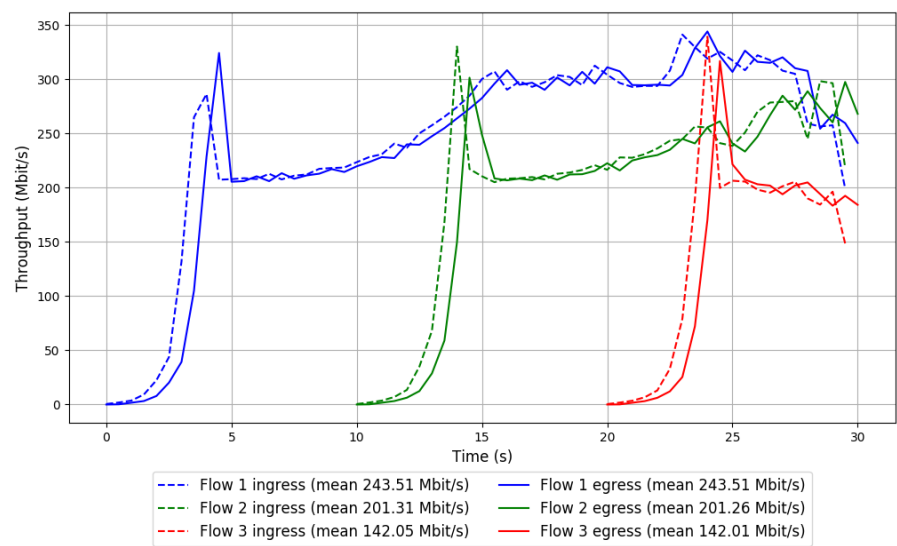
-- Flow 3:

Average throughput: 142.01 Mbit/s

95th percentile per-packet one-way delay: 107.532 ms

Loss rate: 0.02%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 05:11:01

End at: 2018-07-18 05:11:31

Local clock offset: -0.08 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-18 10:20:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 413.81 Mbit/s

95th percentile per-packet one-way delay: 175.600 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 231.63 Mbit/s

95th percentile per-packet one-way delay: 208.973 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 200.69 Mbit/s

95th percentile per-packet one-way delay: 93.766 ms

Loss rate: 0.00%

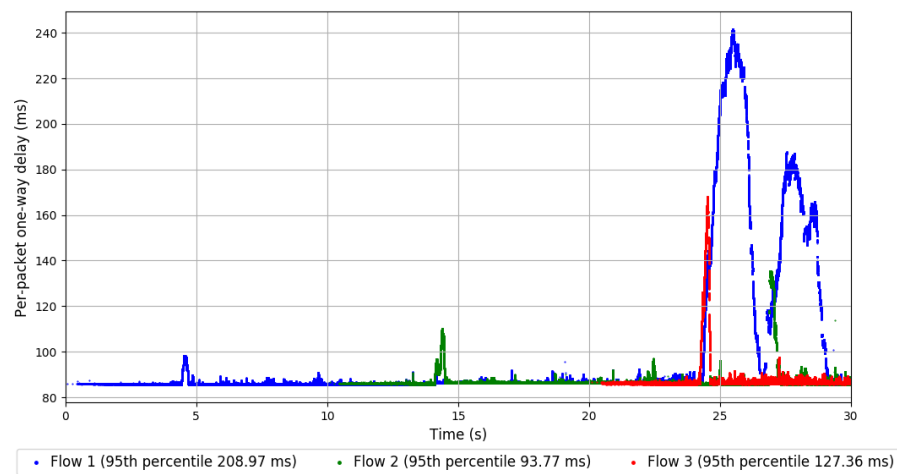
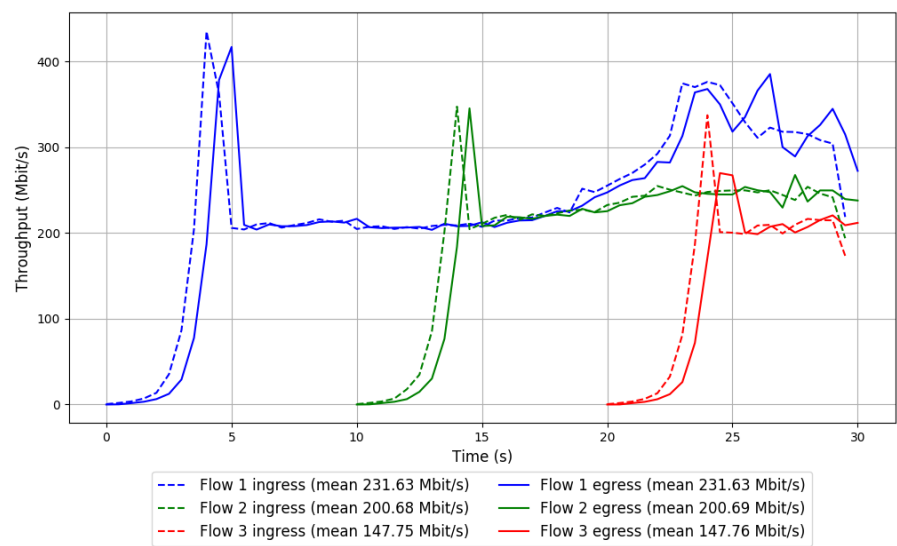
-- Flow 3:

Average throughput: 147.76 Mbit/s

95th percentile per-packet one-way delay: 127.359 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

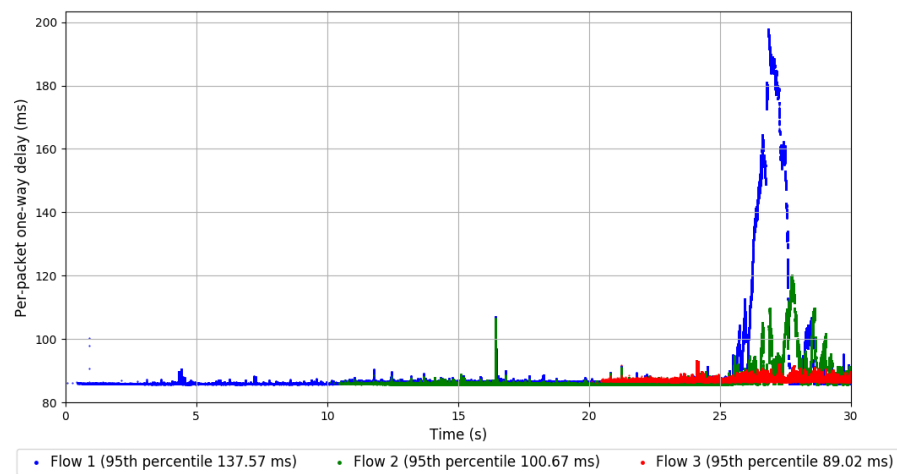
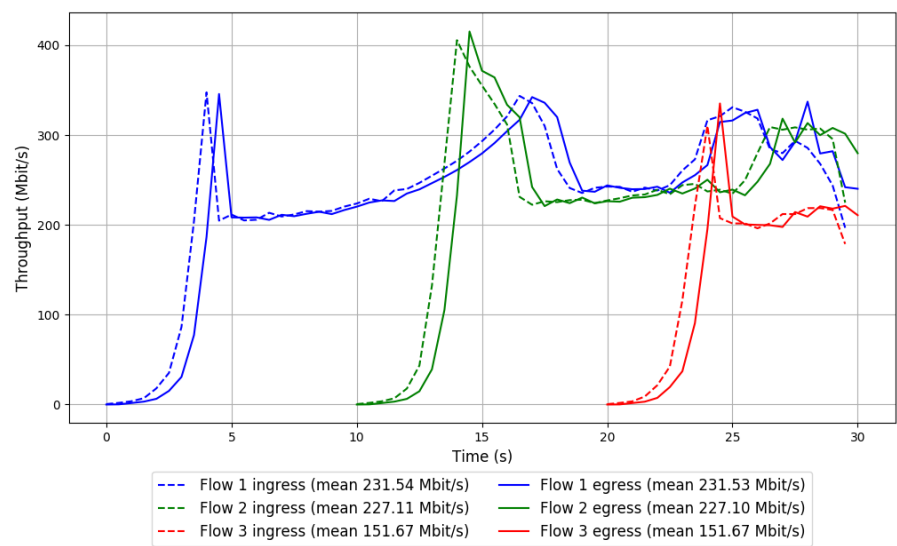


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 05:37:05
End at: 2018-07-18 05:37:35
Local clock offset: -0.042 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-18 10:20:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.58 Mbit/s
95th percentile per-packet one-way delay: 103.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.53 Mbit/s
95th percentile per-packet one-way delay: 137.575 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 227.10 Mbit/s
95th percentile per-packet one-way delay: 100.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.67 Mbit/s
95th percentile per-packet one-way delay: 89.023 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

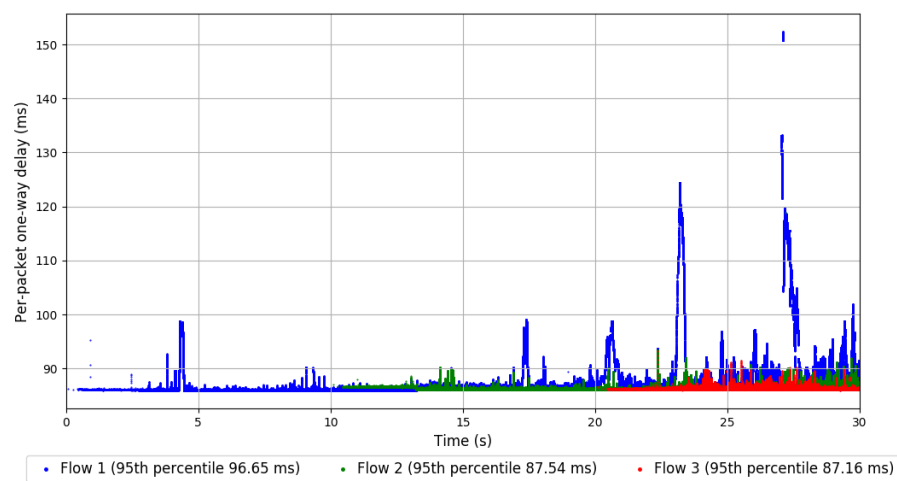
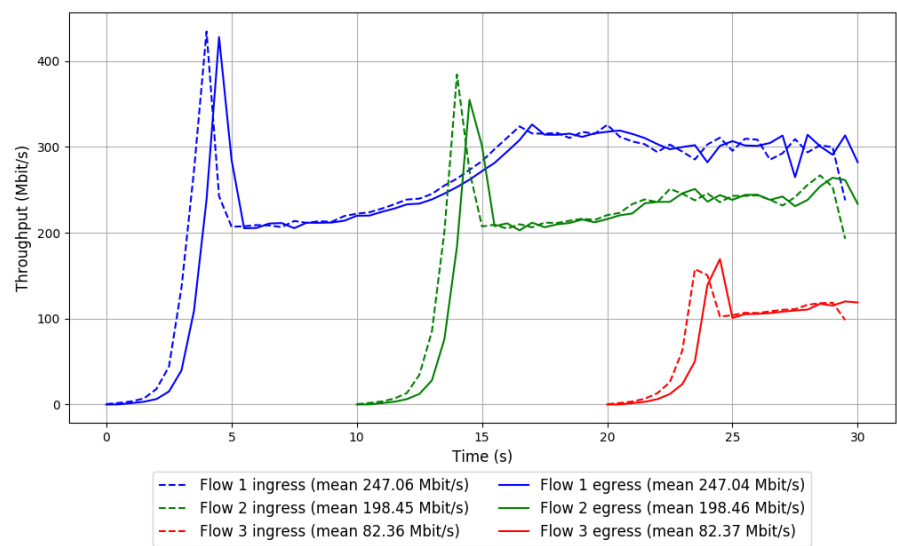


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 06:03:02
End at: 2018-07-18 06:03:32
Local clock offset: -0.215 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-18 10:20:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.17 Mbit/s
95th percentile per-packet one-way delay: 92.604 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 247.04 Mbit/s
95th percentile per-packet one-way delay: 96.654 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 198.46 Mbit/s
95th percentile per-packet one-way delay: 87.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 87.159 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

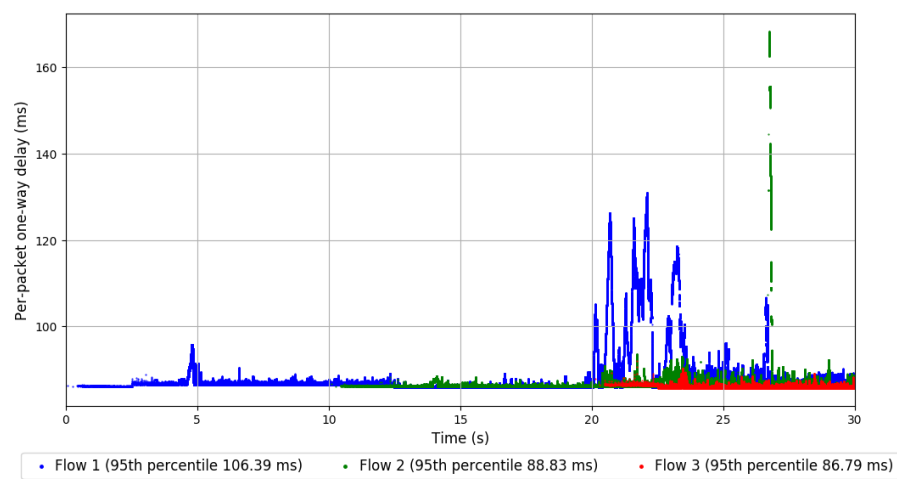
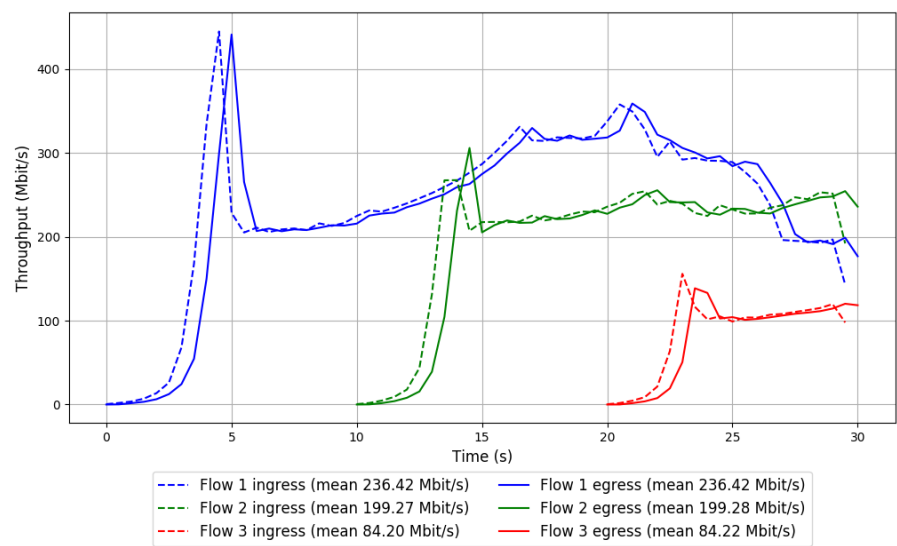


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 06:29:13
End at: 2018-07-18 06:29:43
Local clock offset: -0.137 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-18 10:20:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.69 Mbit/s
95th percentile per-packet one-way delay: 98.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 236.42 Mbit/s
95th percentile per-packet one-way delay: 106.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 199.28 Mbit/s
95th percentile per-packet one-way delay: 88.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 86.790 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 06:55:05

End at: 2018-07-18 06:55:35

Local clock offset: -0.42 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-07-18 10:21:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 421.46 Mbit/s

95th percentile per-packet one-way delay: 113.301 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 290.34 Mbit/s

95th percentile per-packet one-way delay: 119.854 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 174.45 Mbit/s

95th percentile per-packet one-way delay: 87.462 ms

Loss rate: 0.01%

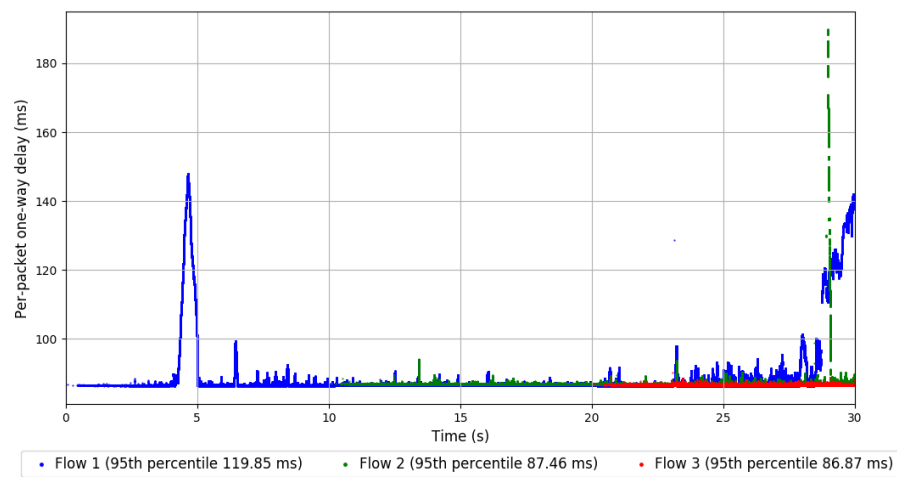
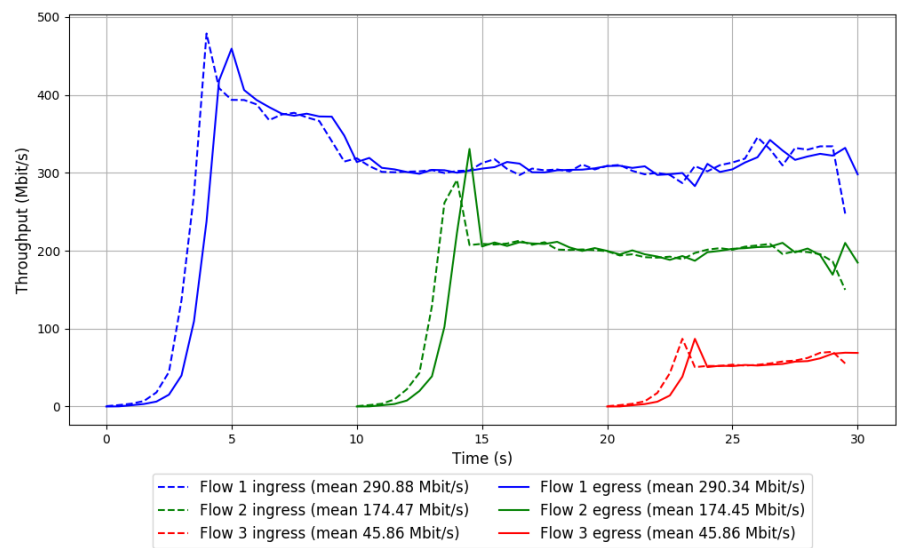
-- Flow 3:

Average throughput: 45.86 Mbit/s

95th percentile per-packet one-way delay: 86.870 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 07:21:10

End at: 2018-07-18 07:21:40

Local clock offset: -0.143 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-07-18 10:21:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.21 Mbit/s

95th percentile per-packet one-way delay: 88.520 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 216.03 Mbit/s

95th percentile per-packet one-way delay: 87.985 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 151.39 Mbit/s

95th percentile per-packet one-way delay: 88.860 ms

Loss rate: 0.00%

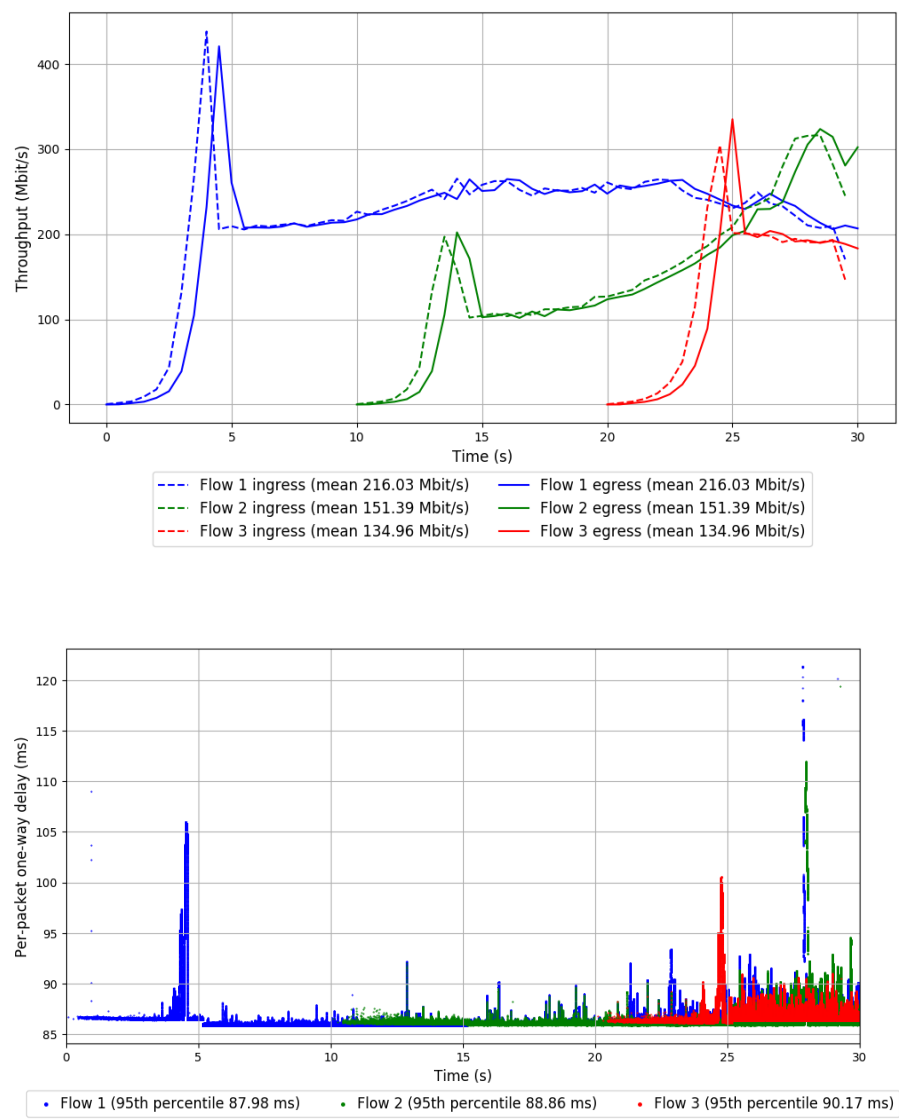
-- Flow 3:

Average throughput: 134.96 Mbit/s

95th percentile per-packet one-way delay: 90.170 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

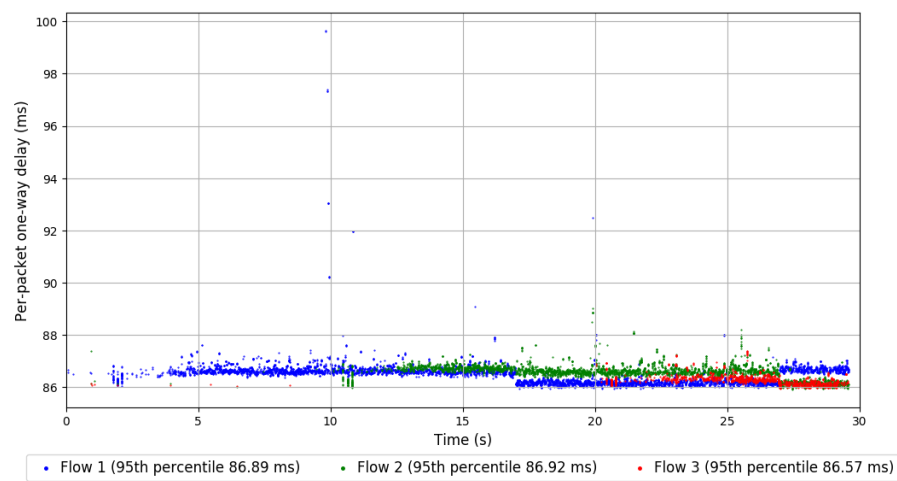
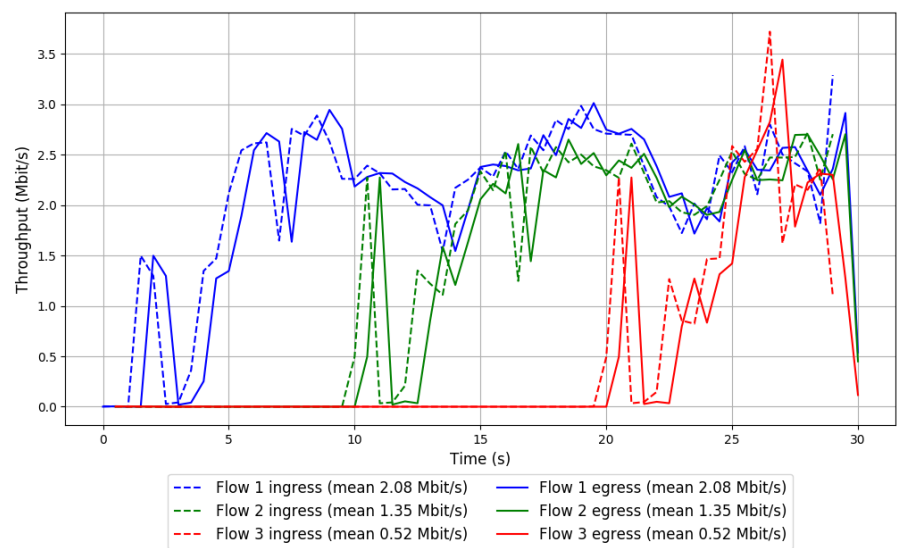


Run 1: Statistics of WebRTC media

Start at: 2018-07-18 03:13:58
End at: 2018-07-18 03:14:28
Local clock offset: -0.166 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-18 10:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 86.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 86.886 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 86.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.569 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

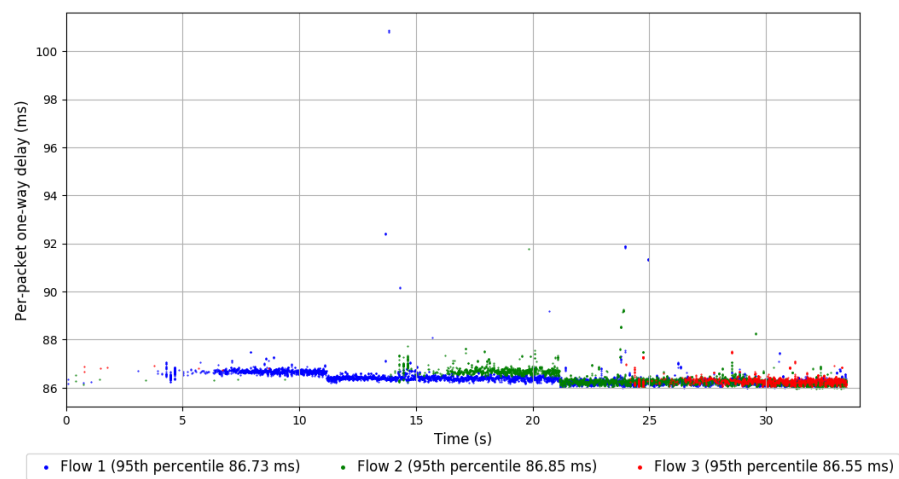
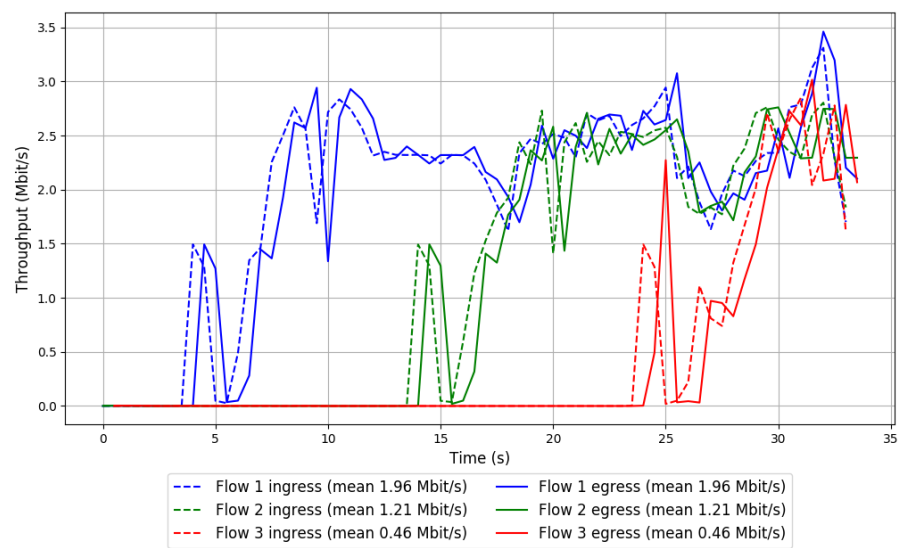


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 03:39:38
End at: 2018-07-18 03:40:08
Local clock offset: -0.197 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-18 10:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 86.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.730 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.854 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.554 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

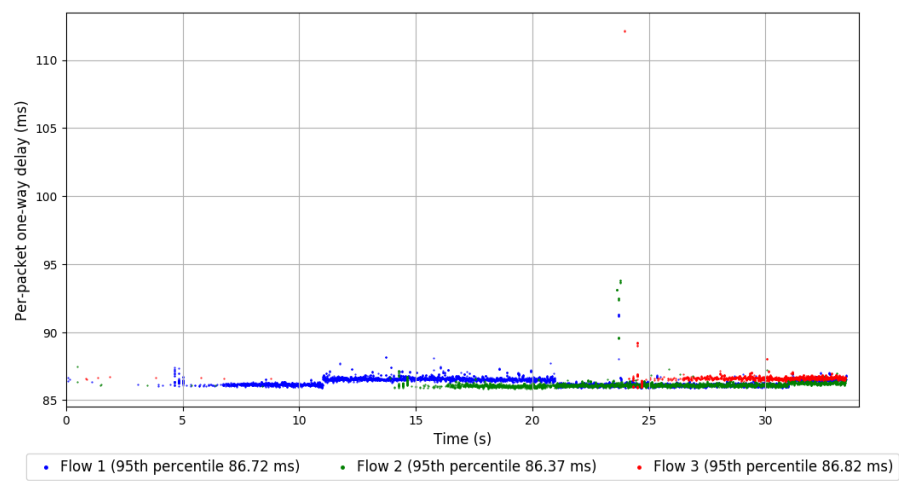
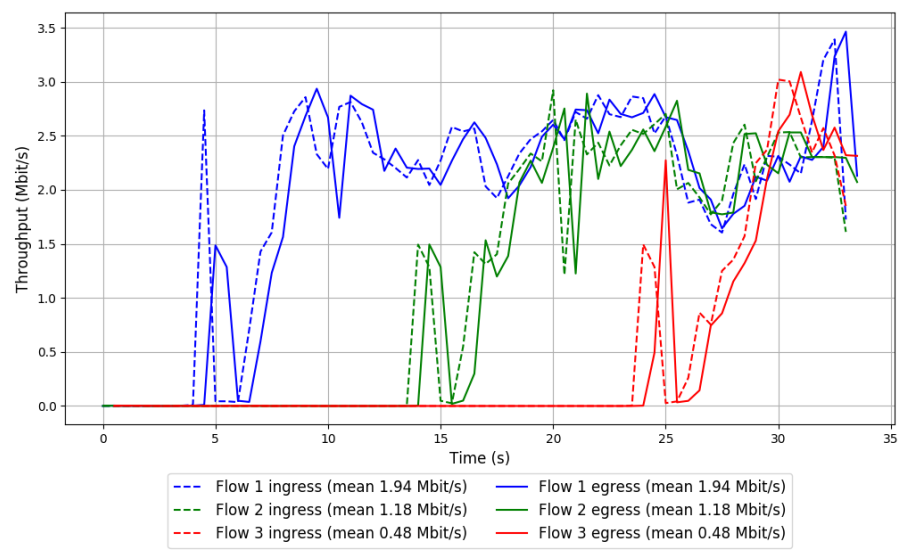


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 04:05:38
End at: 2018-07-18 04:06:08
Local clock offset: -0.096 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-18 10:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 86.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.723 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 86.371 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 86.822 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-18 04:31:39

End at: 2018-07-18 04:32:09

Local clock offset: -0.037 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-18 10:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 86.692 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.726 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 86.529 ms

Loss rate: 0.00%

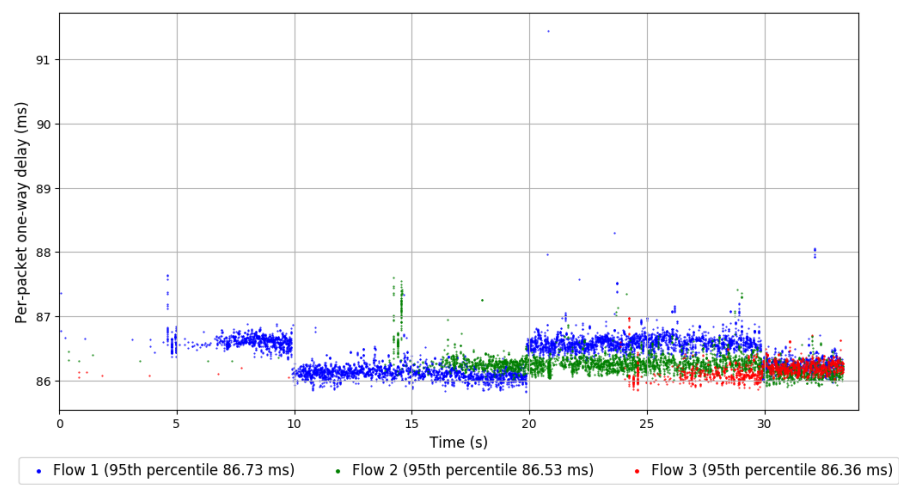
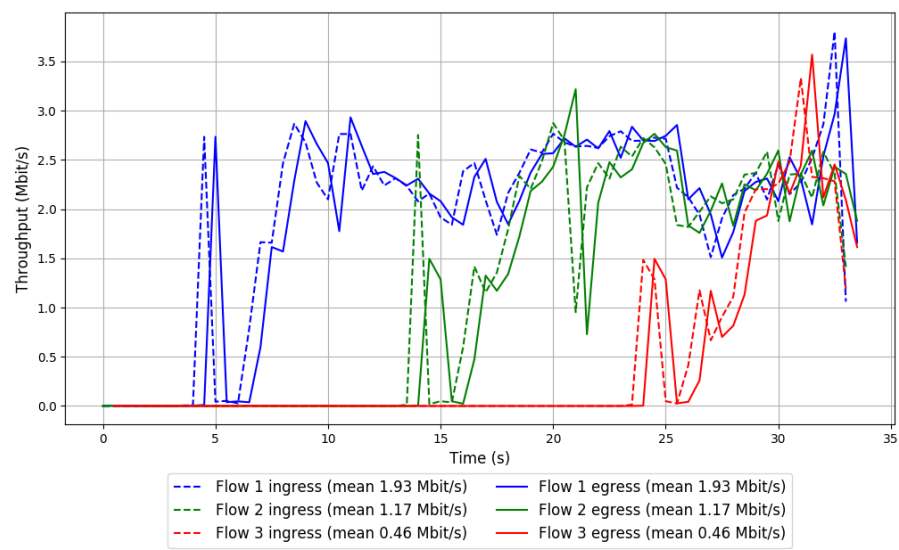
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.357 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-18 04:57:45

End at: 2018-07-18 04:58:15

Local clock offset: -0.165 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-18 10:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 86.316 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.316 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 86.242 ms

Loss rate: 0.00%

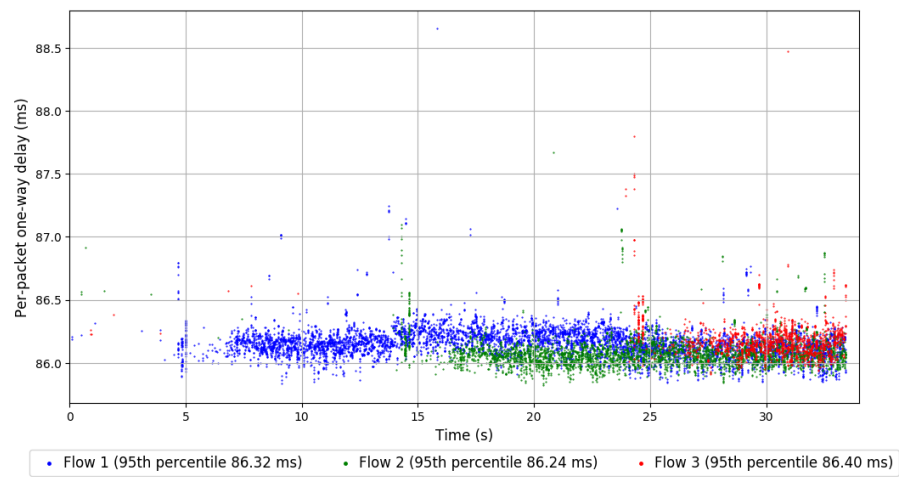
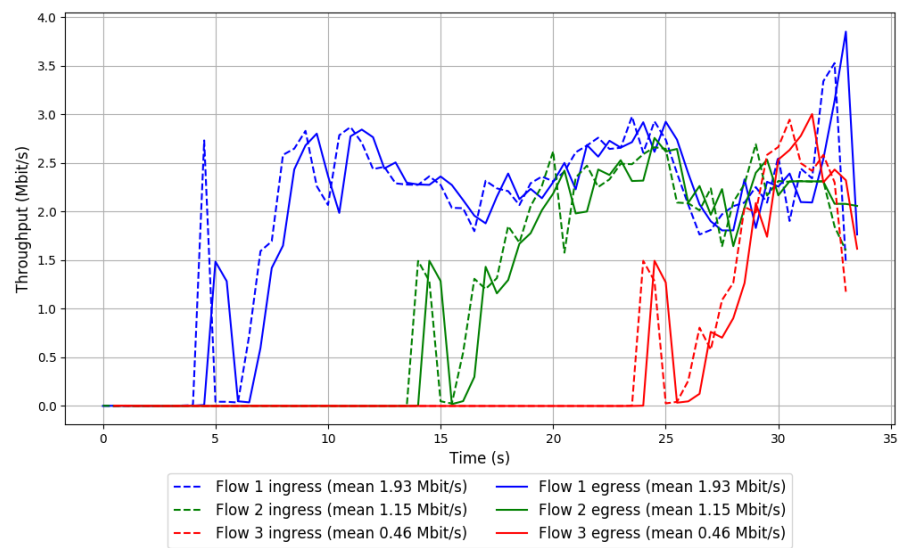
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.404 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-18 05:23:48

End at: 2018-07-18 05:24:18

Local clock offset: -0.239 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-18 10:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 86.791 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 86.815 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 86.471 ms

Loss rate: 0.00%

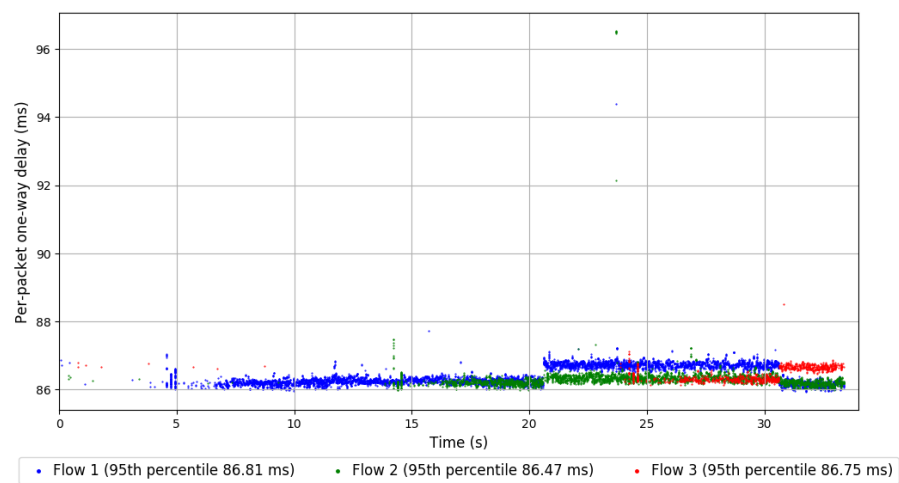
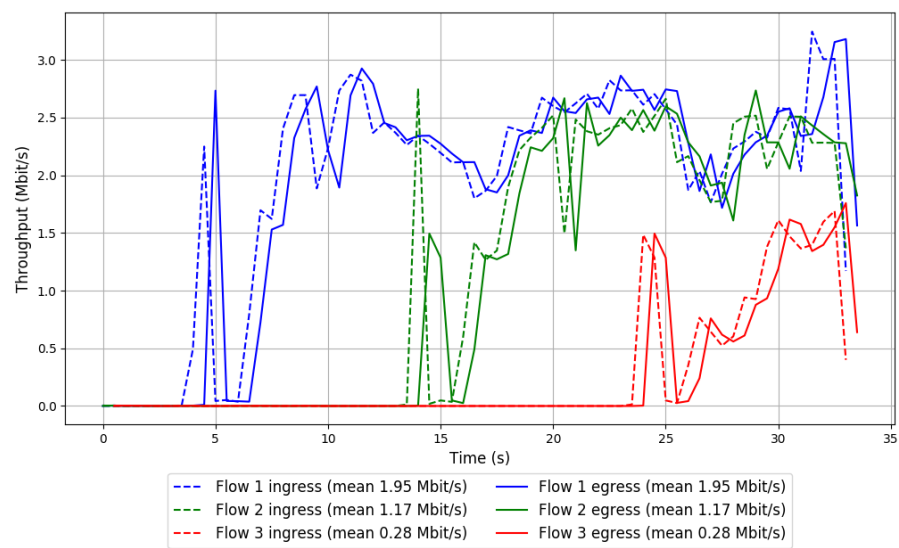
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.747 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

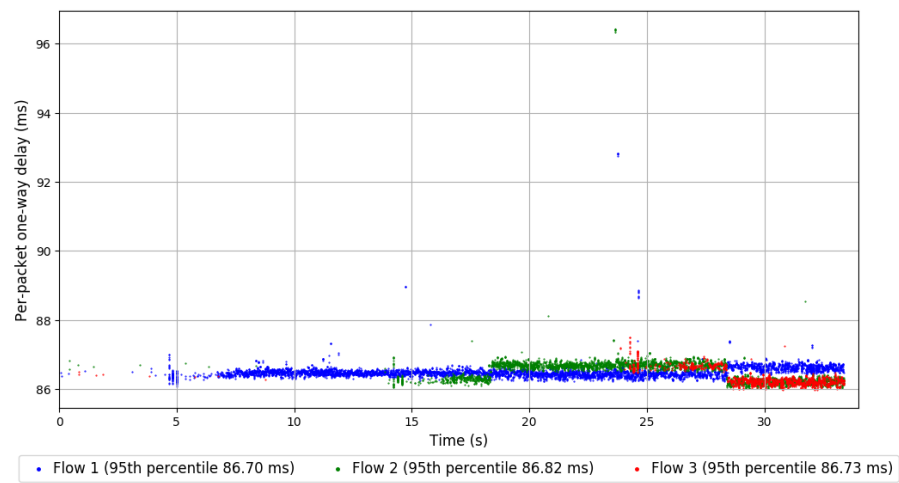
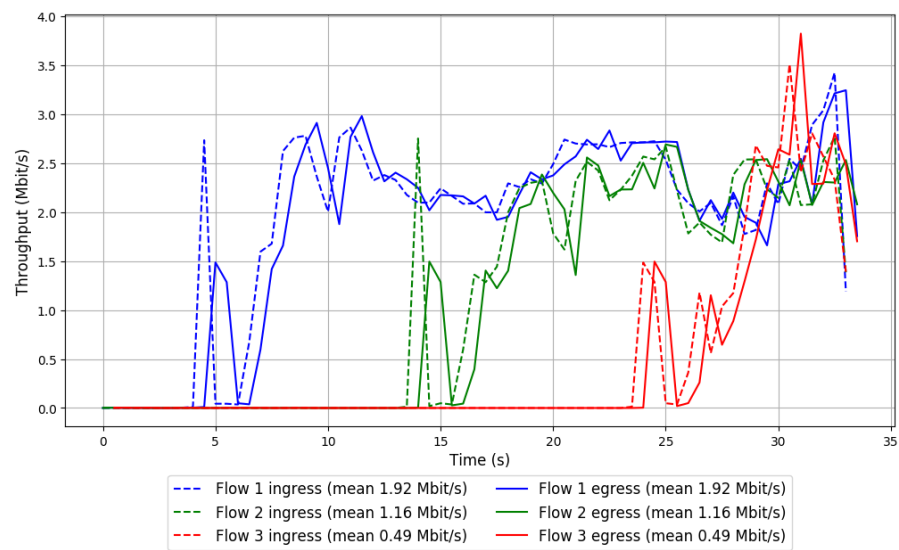


Run 7: Statistics of WebRTC media

Start at: 2018-07-18 05:49:51
End at: 2018-07-18 05:50:21
Local clock offset: -0.295 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-18 10:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 86.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 86.733 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

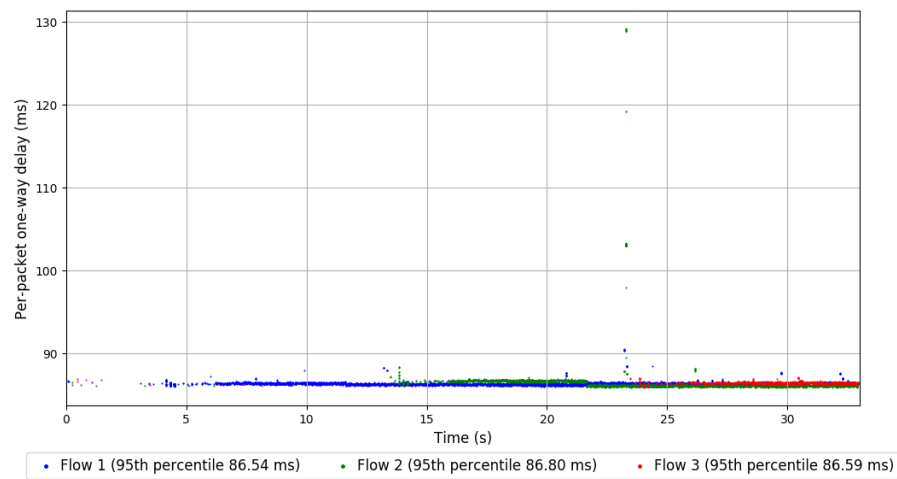
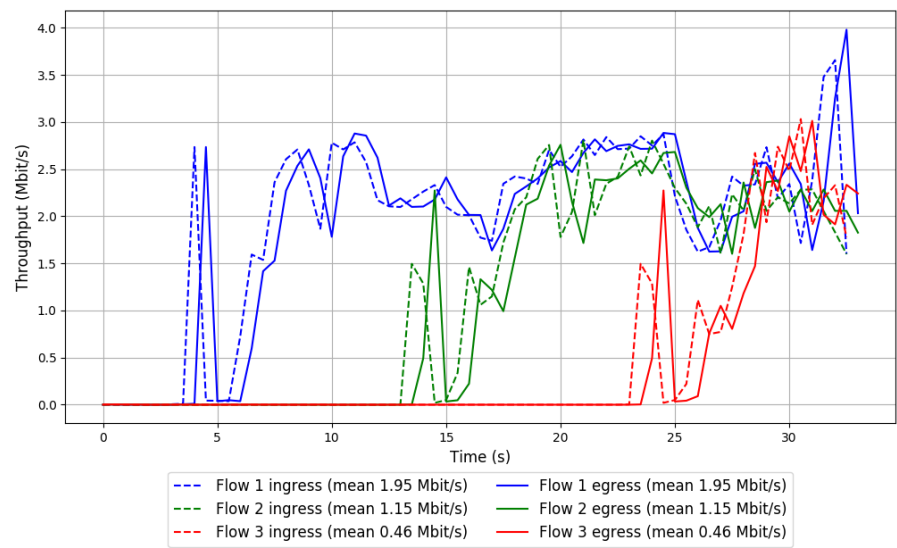


Run 8: Statistics of WebRTC media

Start at: 2018-07-18 06:15:47
End at: 2018-07-18 06:16:17
Local clock offset: -0.319 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-18 10:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 86.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.543 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 86.800 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.594 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-18 06:41:55

End at: 2018-07-18 06:42:25

Local clock offset: -0.1 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-18 10:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 86.611 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.225 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 86.683 ms

Loss rate: 0.00%

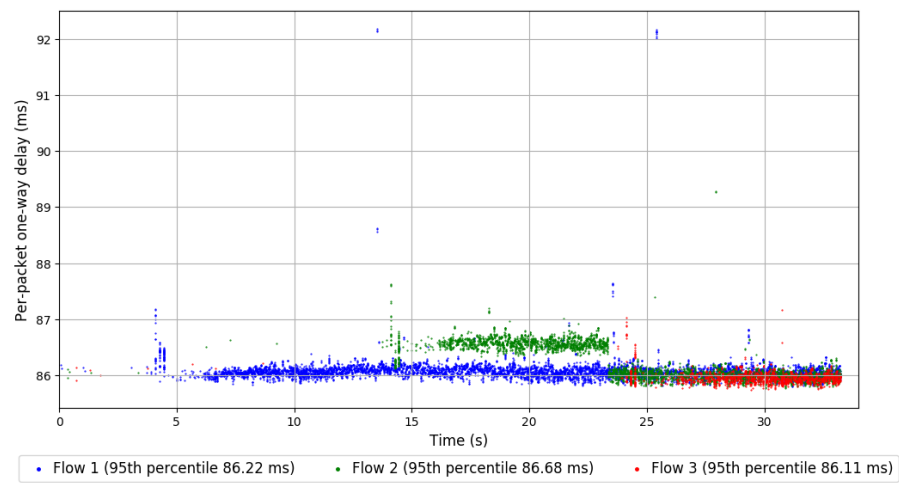
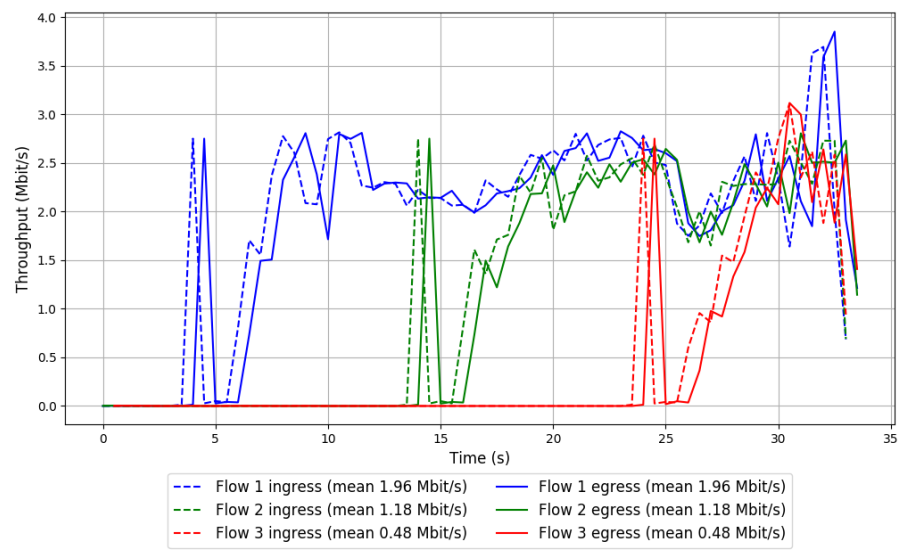
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 86.113 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 07:07:48

End at: 2018-07-18 07:08:18

Local clock offset: -0.176 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-07-18 10:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 86.616 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 86.626 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 86.616 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 86.482 ms

Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

