

Pantheon Report

Generated at 2018-07-06 14:20:36 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

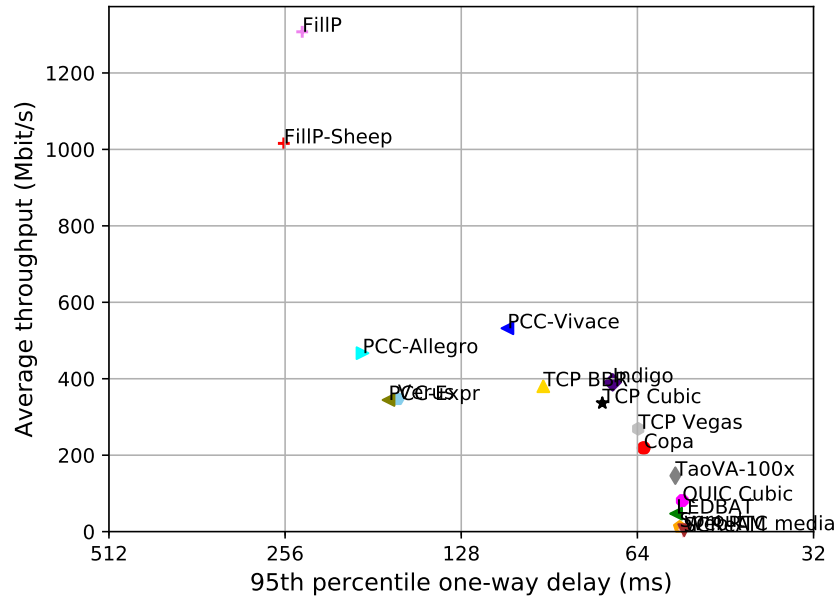
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

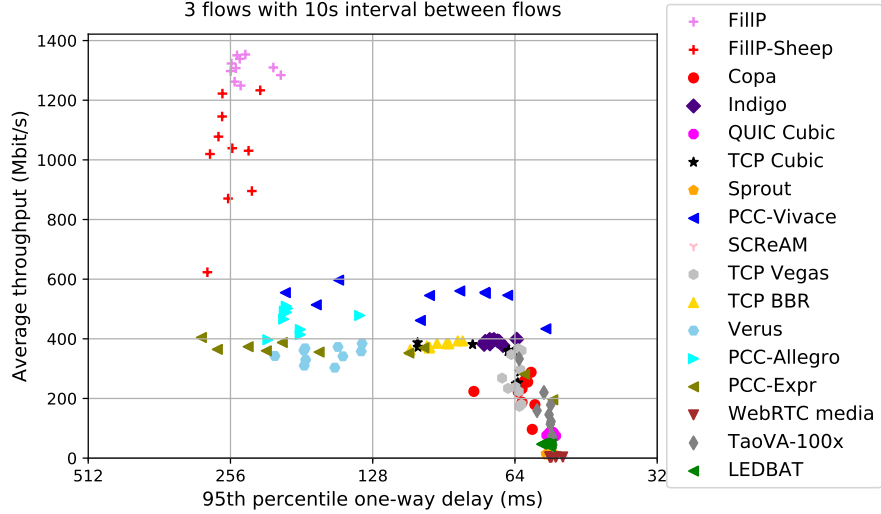
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Tokyo to GCE Sydney, 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	199.51	189.76	165.98	89.51	92.94	96.87	0.38	0.61	1.44
Copa	10	142.43	91.71	68.90	61.29	63.50	60.99	0.26	0.59	1.22
TCP Cubic	10	213.72	161.94	45.24	71.95	73.37	74.25	0.36	0.86	3.35
FillP	10	685.26	664.37	550.79	237.57	250.52	181.88	3.76	5.24	5.17
FillP-Sheep	10	438.06	583.59	578.39	271.46	230.88	203.74	6.44	6.93	6.89
Indigo	10	216.73	197.99	129.39	69.06	70.97	73.69	0.34	0.58	1.32
LEDBAT	10	30.29	20.16	10.42	55.12	54.73	54.51	0.72	1.04	2.07
PCC-Allegro	10	407.27	81.69	16.73	188.65	189.65	182.53	2.57	2.95	4.35
PCC-Expr	10	205.30	178.76	62.40	157.24	157.72	121.83	3.54	4.17	4.71
QUIC Cubic	10	51.54	35.91	17.45	52.91	52.23	51.31	0.53	1.00	0.53
SCReAM	10	0.21	0.21	0.22	52.29	52.23	52.90	0.33	0.62	1.12
Sprout	10	6.34	6.26	6.19	54.20	54.23	54.22	0.43	0.59	1.29
TaoVA-100x	10	83.75	87.43	74.07	55.00	54.84	54.65	0.23	0.26	0.63
TCP Vegas	10	129.37	169.61	81.83	61.60	63.33	61.17	0.31	0.54	1.58
Verus	10	200.64	166.59	109.51	154.66	159.66	218.50	1.02	0.93	4.04
PCC-Vivace	10	323.78	258.19	112.44	94.72	113.48	67.02	0.46	0.71	1.60
WebRTC media	10	2.02	1.32	0.54	52.17	51.51	53.37	0.42	0.58	1.46

Run 1: Statistics of TCP BBR

Start at: 2018-07-06 07:32:27

End at: 2018-07-06 07:32:57

Local clock offset: 0.082 ms

Remote clock offset: 1.182 ms

Below is generated by plot.py at 2018-07-06 11:41:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.01 Mbit/s

95th percentile per-packet one-way delay: 82.557 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 203.02 Mbit/s

95th percentile per-packet one-way delay: 74.644 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 195.48 Mbit/s

95th percentile per-packet one-way delay: 81.873 ms

Loss rate: 0.63%

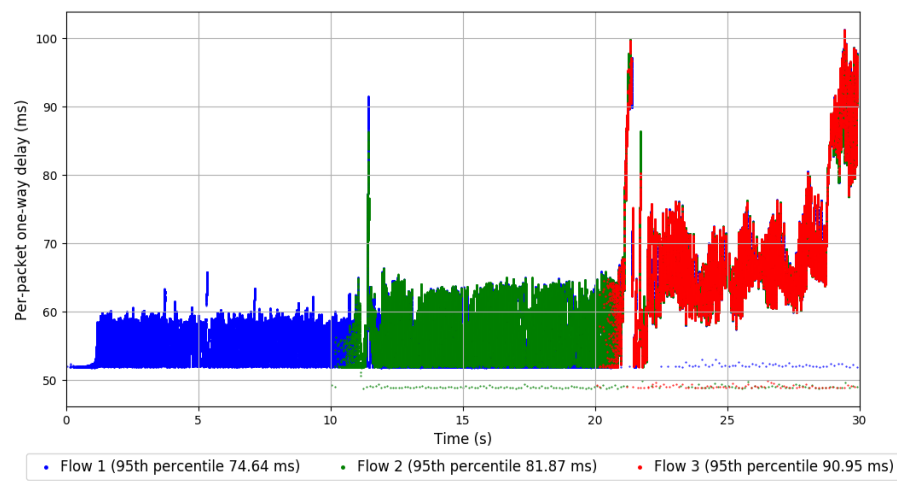
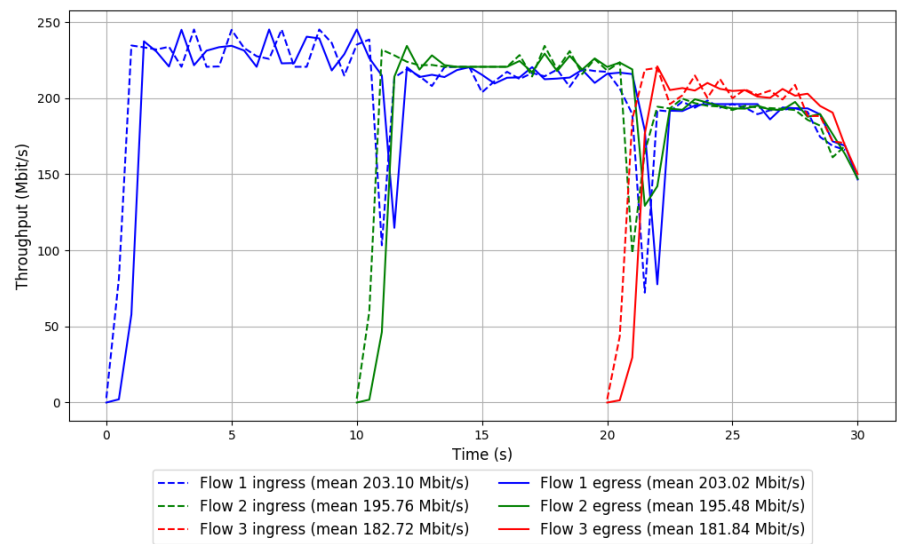
-- Flow 3:

Average throughput: 181.84 Mbit/s

95th percentile per-packet one-way delay: 90.950 ms

Loss rate: 1.32%

Run 1: Report of TCP BBR — Data Link

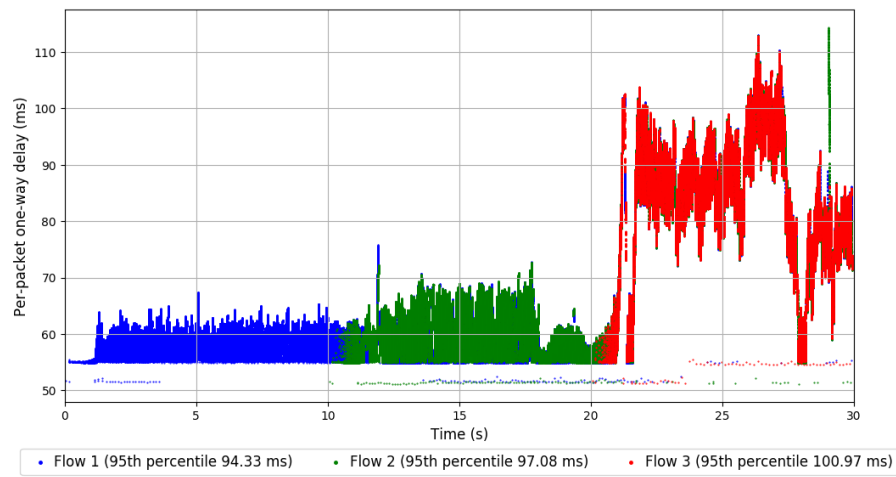
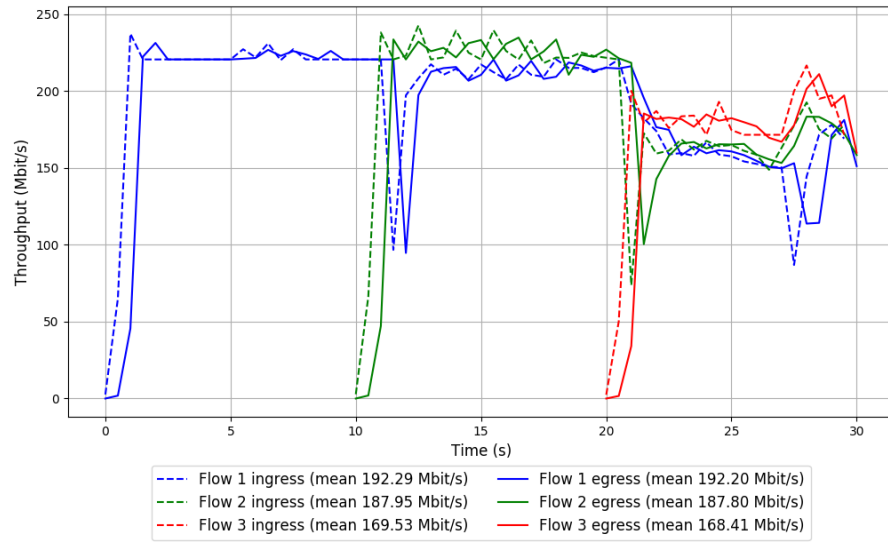


Run 2: Statistics of TCP BBR

Start at: 2018-07-06 07:56:53
End at: 2018-07-06 07:57:23
Local clock offset: -0.034 ms
Remote clock offset: -1.213 ms

Below is generated by plot.py at 2018-07-06 11:41:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.70 Mbit/s
95th percentile per-packet one-way delay: 97.066 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 192.20 Mbit/s
95th percentile per-packet one-way delay: 94.328 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 187.80 Mbit/s
95th percentile per-packet one-way delay: 97.079 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 168.41 Mbit/s
95th percentile per-packet one-way delay: 100.974 ms
Loss rate: 1.35%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-06 08:21:26

End at: 2018-07-06 08:21:56

Local clock offset: 0.053 ms

Remote clock offset: 1.186 ms

Below is generated by plot.py at 2018-07-06 11:41:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.43 Mbit/s

95th percentile per-packet one-way delay: 88.345 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 203.28 Mbit/s

95th percentile per-packet one-way delay: 86.130 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 186.86 Mbit/s

95th percentile per-packet one-way delay: 88.015 ms

Loss rate: 0.66%

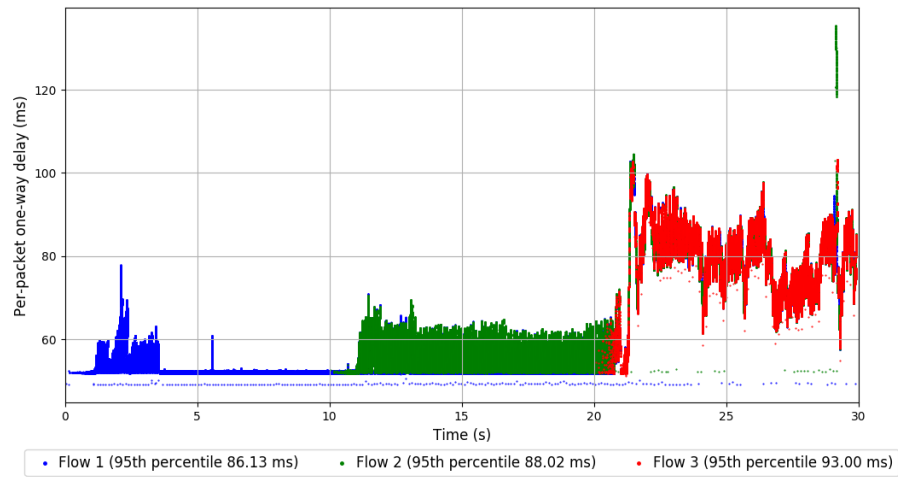
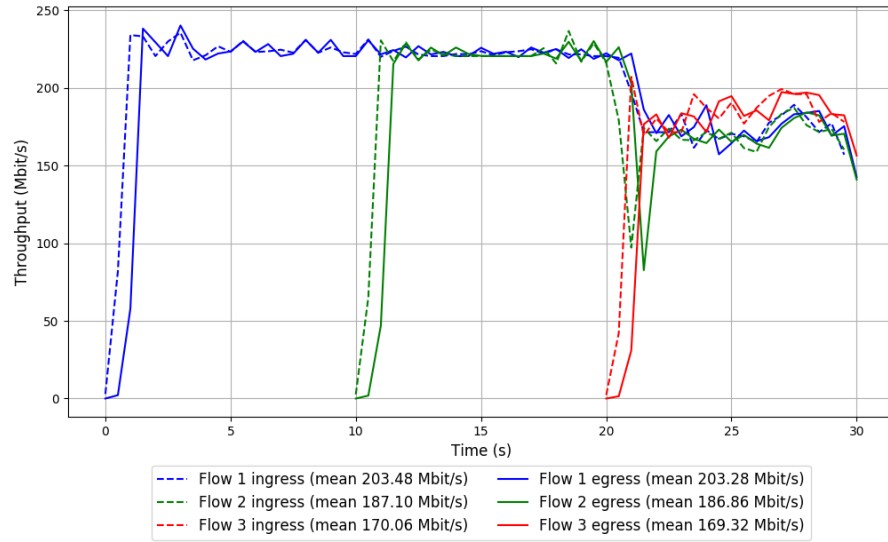
-- Flow 3:

Average throughput: 169.32 Mbit/s

95th percentile per-packet one-way delay: 93.004 ms

Loss rate: 1.50%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-06 08:46:14

End at: 2018-07-06 08:46:44

Local clock offset: -0.083 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-06 11:41:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.97 Mbit/s

95th percentile per-packet one-way delay: 93.555 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 201.04 Mbit/s

95th percentile per-packet one-way delay: 89.677 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 195.68 Mbit/s

95th percentile per-packet one-way delay: 95.713 ms

Loss rate: 0.63%

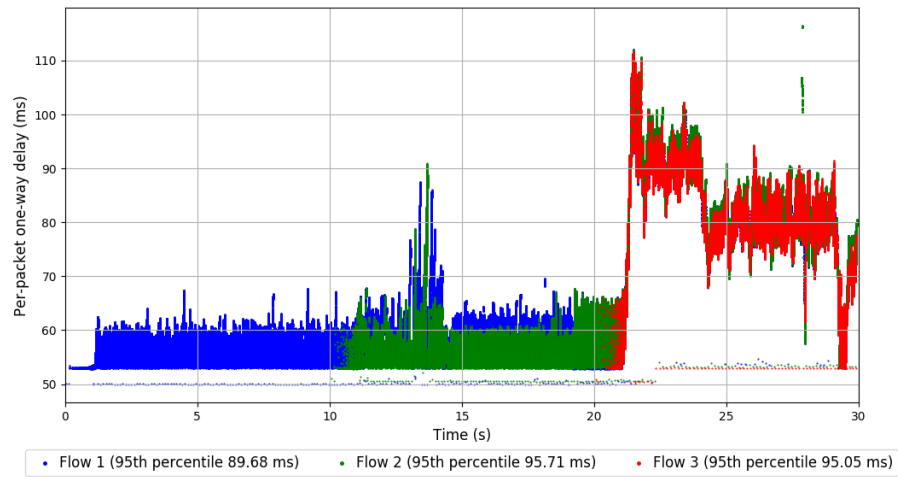
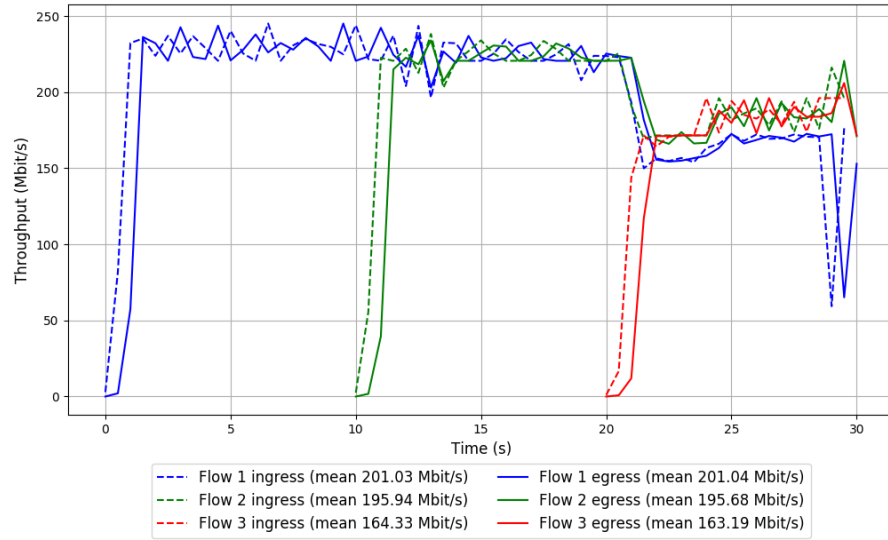
-- Flow 3:

Average throughput: 163.19 Mbit/s

95th percentile per-packet one-way delay: 95.049 ms

Loss rate: 1.50%

Run 4: Report of TCP BBR — Data Link

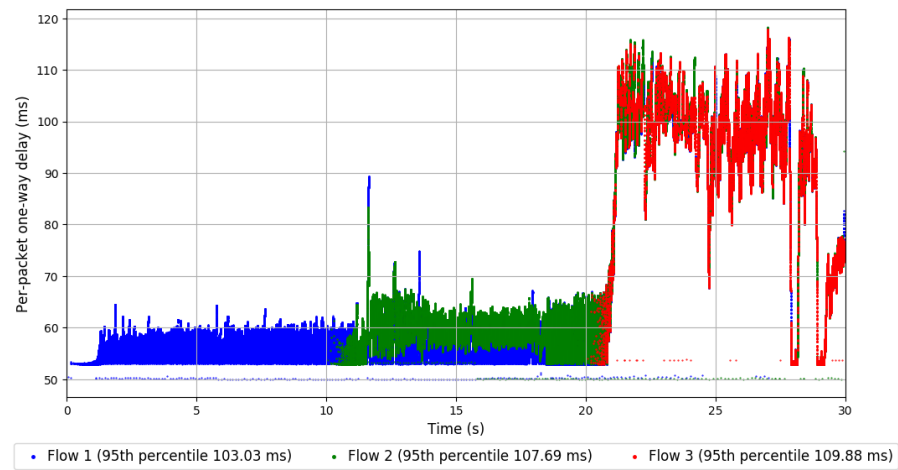
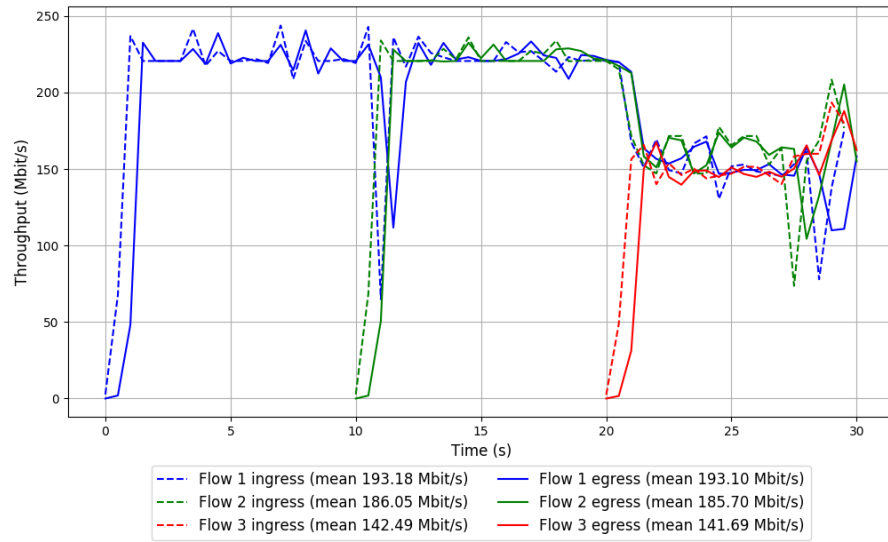


Run 5: Statistics of TCP BBR

Start at: 2018-07-06 09:10:51
End at: 2018-07-06 09:11:21
Local clock offset: -0.109 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-06 11:41:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.26 Mbit/s
95th percentile per-packet one-way delay: 106.658 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 193.10 Mbit/s
95th percentile per-packet one-way delay: 103.030 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 185.70 Mbit/s
95th percentile per-packet one-way delay: 107.694 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 141.69 Mbit/s
95th percentile per-packet one-way delay: 109.879 ms
Loss rate: 1.61%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-06 09:35:18

End at: 2018-07-06 09:35:48

Local clock offset: 0.11 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-07-06 11:41:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.08 Mbit/s

95th percentile per-packet one-way delay: 97.184 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 192.51 Mbit/s

95th percentile per-packet one-way delay: 94.605 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 186.99 Mbit/s

95th percentile per-packet one-way delay: 97.639 ms

Loss rate: 0.58%

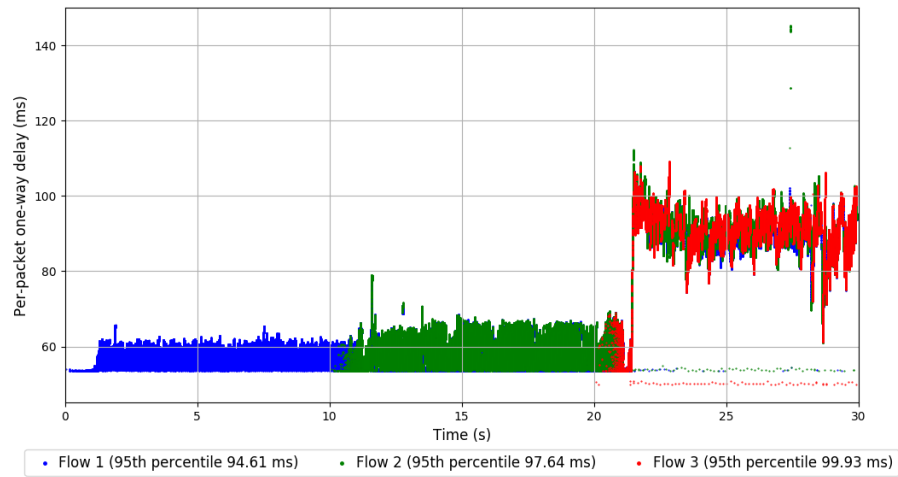
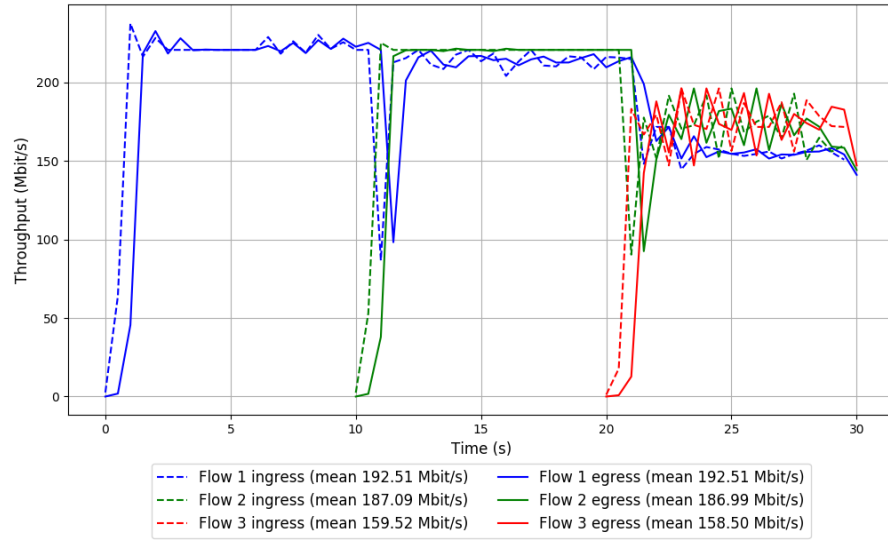
-- Flow 3:

Average throughput: 158.50 Mbit/s

95th percentile per-packet one-way delay: 99.932 ms

Loss rate: 1.55%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-06 09:59:48

End at: 2018-07-06 10:00:18

Local clock offset: 0.189 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-06 11:41:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.24 Mbit/s

95th percentile per-packet one-way delay: 98.372 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 201.46 Mbit/s

95th percentile per-packet one-way delay: 98.635 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 182.37 Mbit/s

95th percentile per-packet one-way delay: 97.291 ms

Loss rate: 0.64%

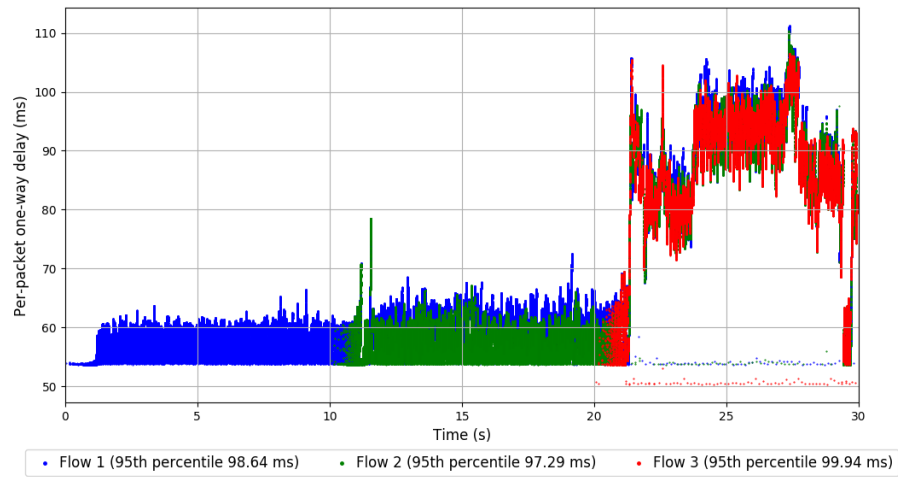
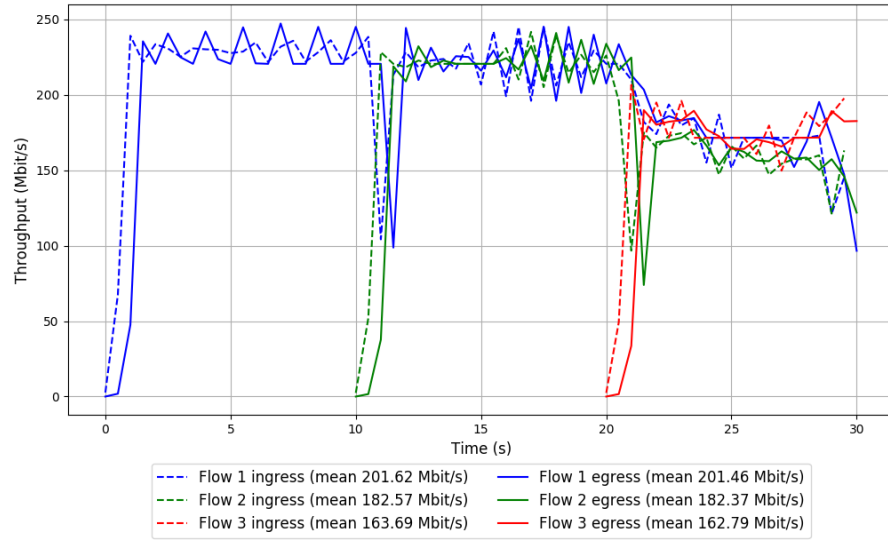
-- Flow 3:

Average throughput: 162.79 Mbit/s

95th percentile per-packet one-way delay: 99.944 ms

Loss rate: 1.57%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-06 10:24:50

End at: 2018-07-06 10:25:20

Local clock offset: 0.026 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-06 11:41:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.08 Mbit/s

95th percentile per-packet one-way delay: 89.088 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 204.38 Mbit/s

95th percentile per-packet one-way delay: 86.642 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 186.06 Mbit/s

95th percentile per-packet one-way delay: 89.121 ms

Loss rate: 0.60%

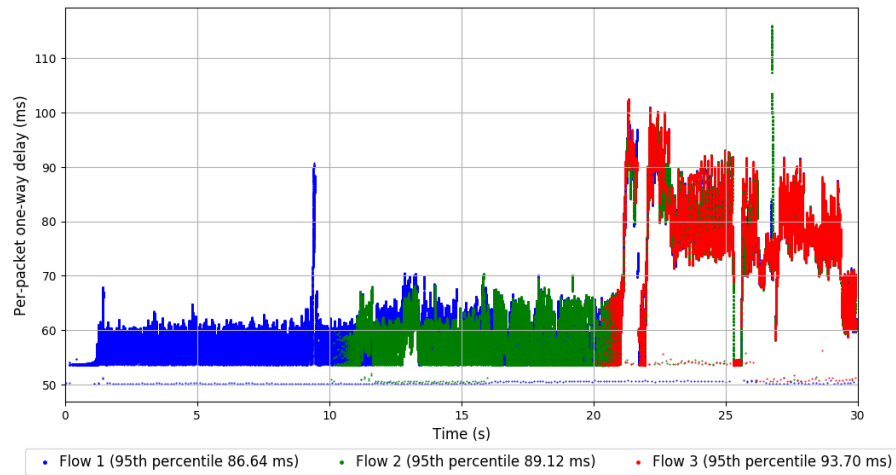
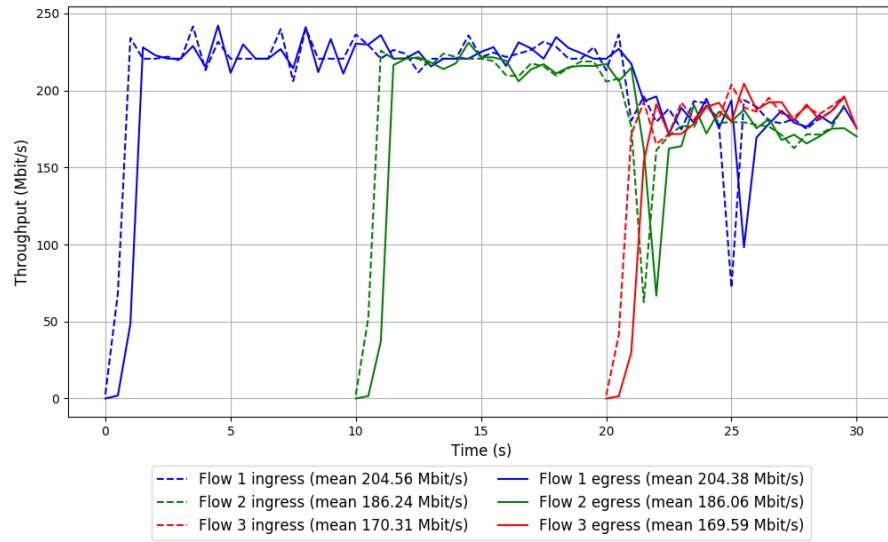
-- Flow 3:

Average throughput: 169.59 Mbit/s

95th percentile per-packet one-way delay: 93.699 ms

Loss rate: 1.34%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-06 10:49:24

End at: 2018-07-06 10:49:54

Local clock offset: -0.321 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-07-06 11:47:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.15 Mbit/s

95th percentile per-packet one-way delay: 84.584 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 202.91 Mbit/s

95th percentile per-packet one-way delay: 82.148 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 199.79 Mbit/s

95th percentile per-packet one-way delay: 85.278 ms

Loss rate: 0.61%

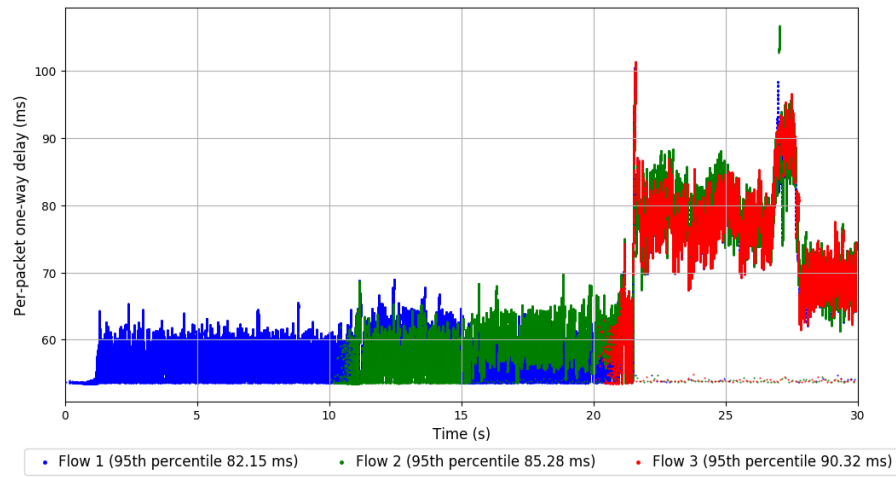
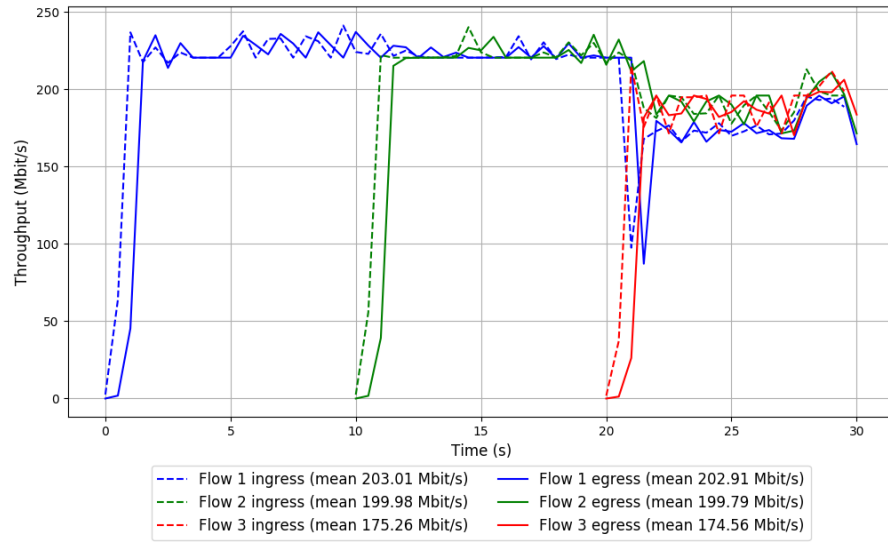
-- Flow 3:

Average throughput: 174.56 Mbit/s

95th percentile per-packet one-way delay: 90.323 ms

Loss rate: 1.40%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-06 11:13:59

End at: 2018-07-06 11:14:29

Local clock offset: -0.041 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-06 11:47:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.07 Mbit/s

95th percentile per-packet one-way delay: 89.389 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 201.19 Mbit/s

95th percentile per-packet one-way delay: 85.290 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 190.83 Mbit/s

95th percentile per-packet one-way delay: 89.722 ms

Loss rate: 0.55%

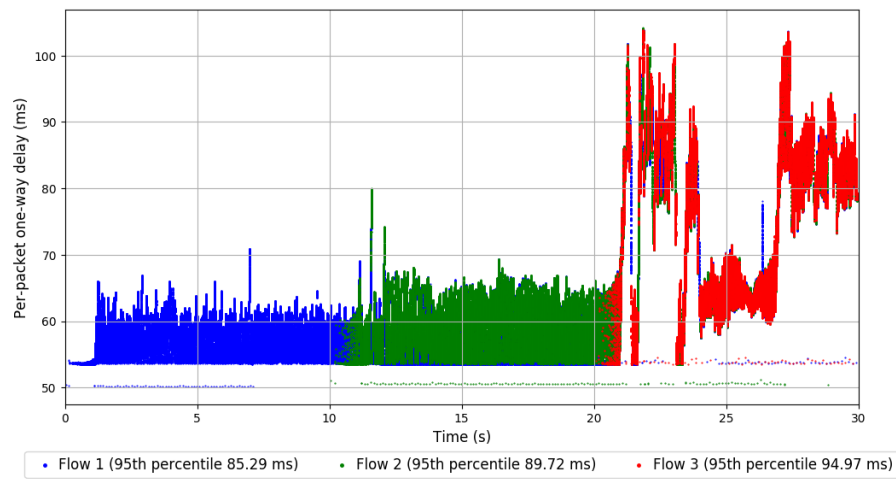
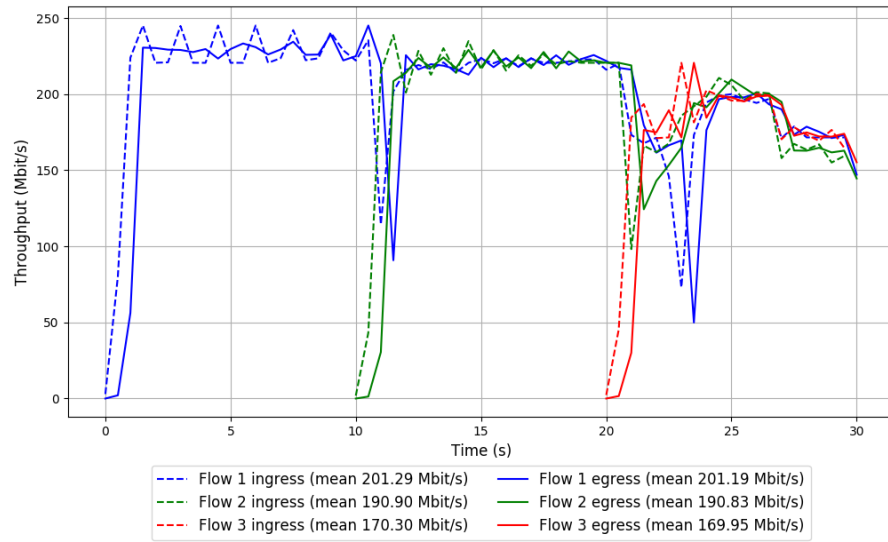
-- Flow 3:

Average throughput: 169.95 Mbit/s

95th percentile per-packet one-way delay: 94.968 ms

Loss rate: 1.26%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-06 07:19:52

End at: 2018-07-06 07:20:22

Local clock offset: 0.145 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-06 11:47:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.28 Mbit/s

95th percentile per-packet one-way delay: 58.072 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 54.34 Mbit/s

95th percentile per-packet one-way delay: 53.513 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 149.68 Mbit/s

95th percentile per-packet one-way delay: 59.747 ms

Loss rate: 0.49%

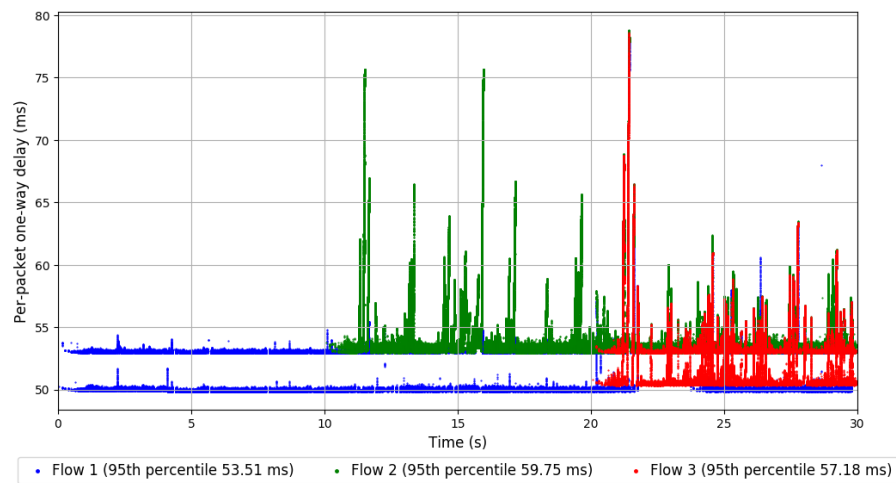
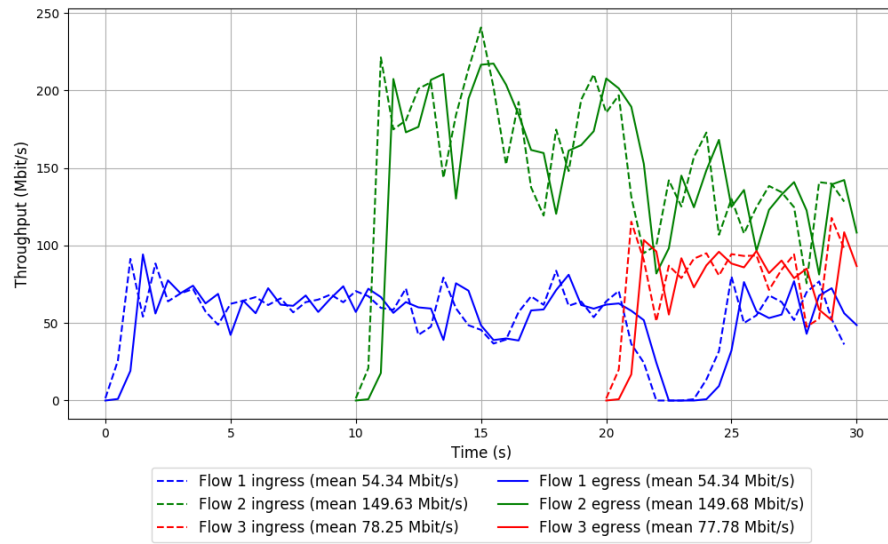
-- Flow 3:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 57.184 ms

Loss rate: 1.62%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-06 07:44:19

End at: 2018-07-06 07:44:49

Local clock offset: -0.147 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-06 11:47:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.69 Mbit/s

95th percentile per-packet one-way delay: 78.190 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 177.97 Mbit/s

95th percentile per-packet one-way delay: 79.931 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 42.02 Mbit/s

95th percentile per-packet one-way delay: 62.284 ms

Loss rate: 0.00%

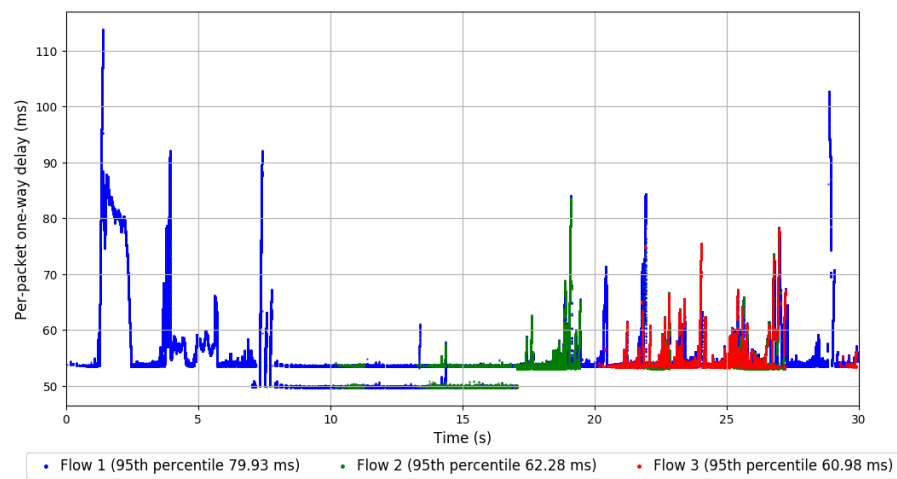
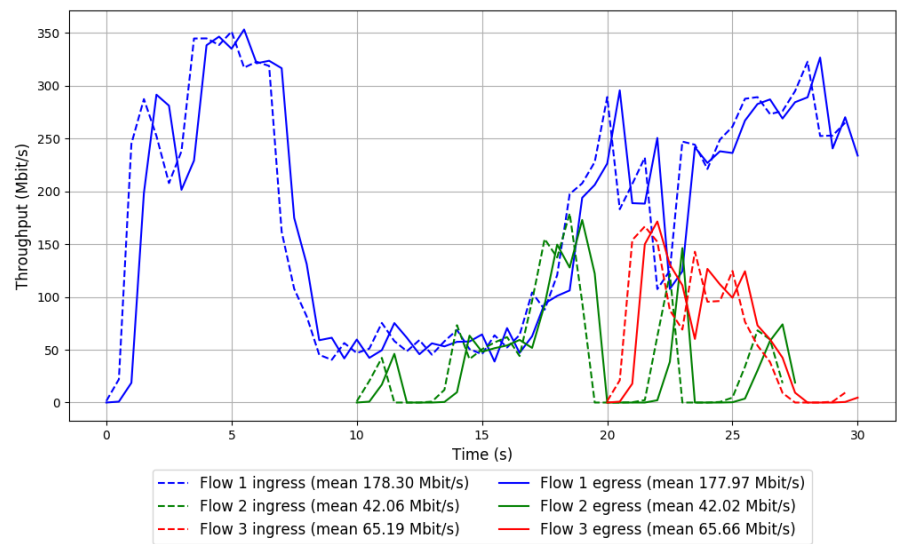
-- Flow 3:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 60.980 ms

Loss rate: 0.38%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-06 08:08:49

End at: 2018-07-06 08:09:19

Local clock offset: 0.173 ms

Remote clock offset: 1.276 ms

Below is generated by plot.py at 2018-07-06 11:47:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 221.77 Mbit/s

95th percentile per-packet one-way delay: 62.979 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 115.90 Mbit/s

95th percentile per-packet one-way delay: 61.544 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 116.48 Mbit/s

95th percentile per-packet one-way delay: 62.751 ms

Loss rate: 0.29%

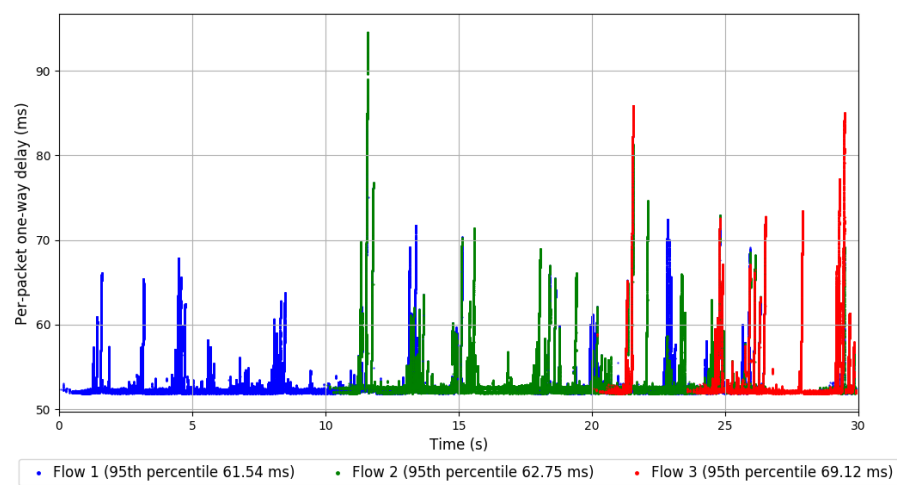
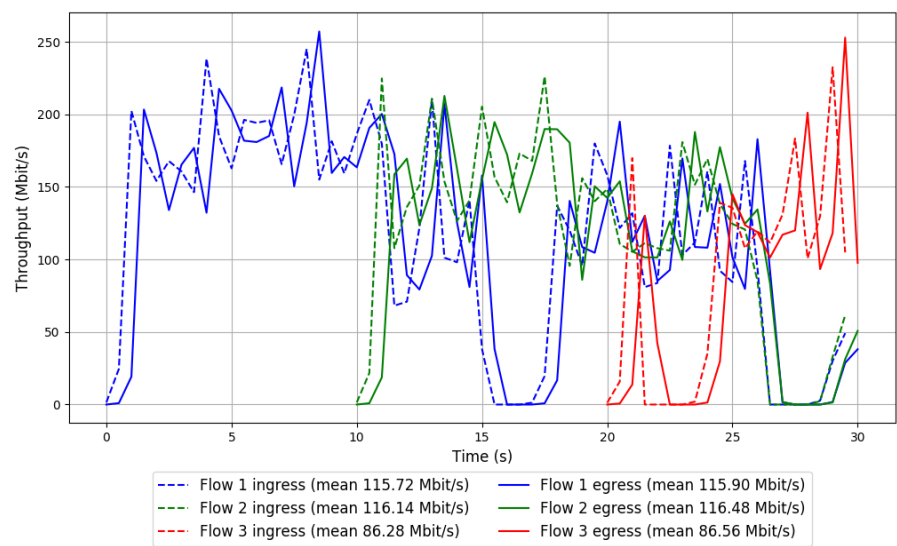
-- Flow 3:

Average throughput: 86.56 Mbit/s

95th percentile per-packet one-way delay: 69.123 ms

Loss rate: 0.73%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-06 08:33:42

End at: 2018-07-06 08:34:12

Local clock offset: -0.013 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-06 11:47:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 58.820 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 71.31 Mbit/s

95th percentile per-packet one-way delay: 54.236 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 99.77 Mbit/s

95th percentile per-packet one-way delay: 76.810 ms

Loss rate: 0.00%

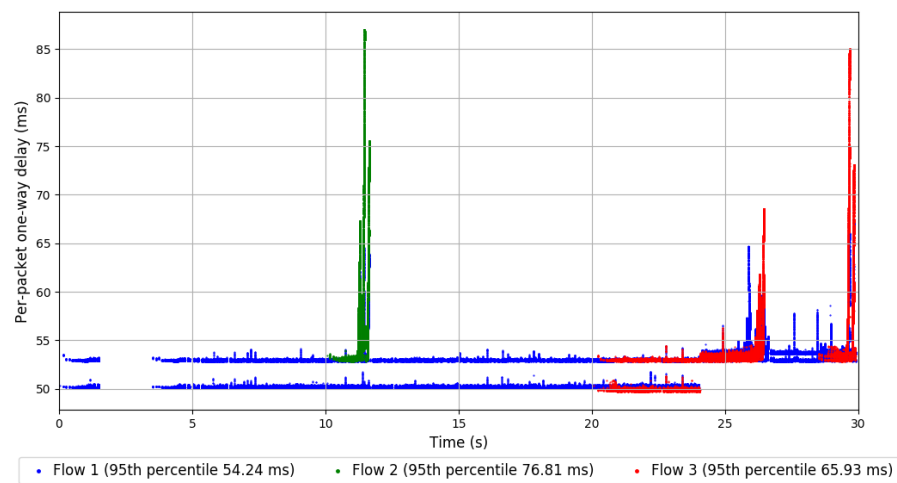
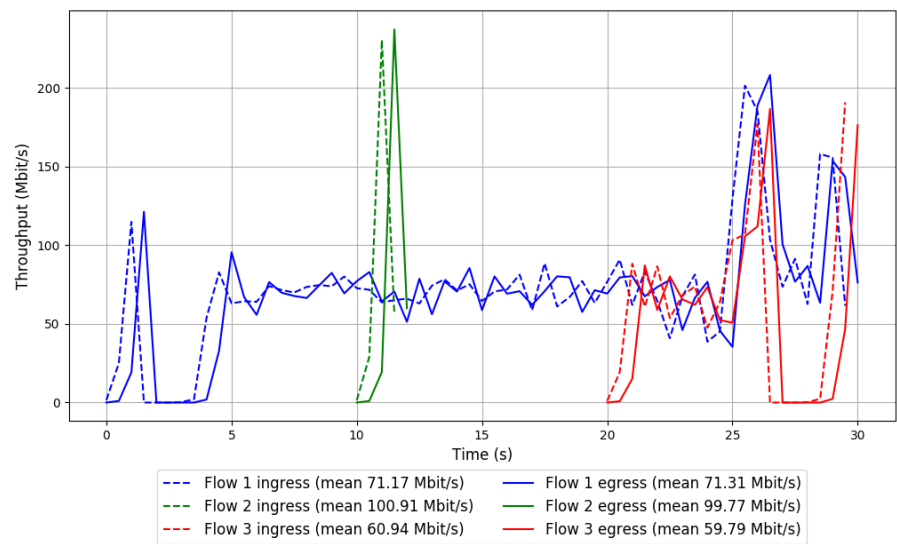
-- Flow 3:

Average throughput: 59.79 Mbit/s

95th percentile per-packet one-way delay: 65.932 ms

Loss rate: 3.19%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-06 08:58:21

End at: 2018-07-06 08:58:51

Local clock offset: -0.062 ms

Remote clock offset: 0.227 ms

Below is generated by plot.py at 2018-07-06 11:49:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.46 Mbit/s

95th percentile per-packet one-way delay: 61.186 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 163.90 Mbit/s

95th percentile per-packet one-way delay: 60.852 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 59.196 ms

Loss rate: 0.84%

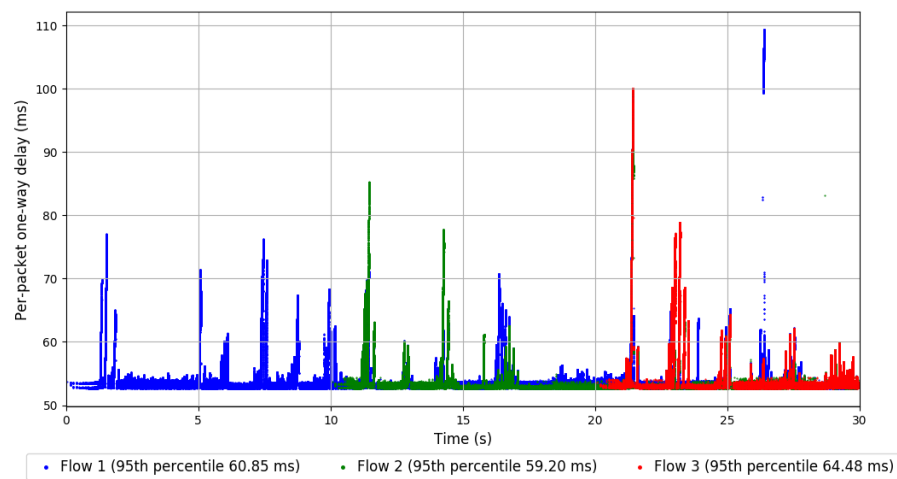
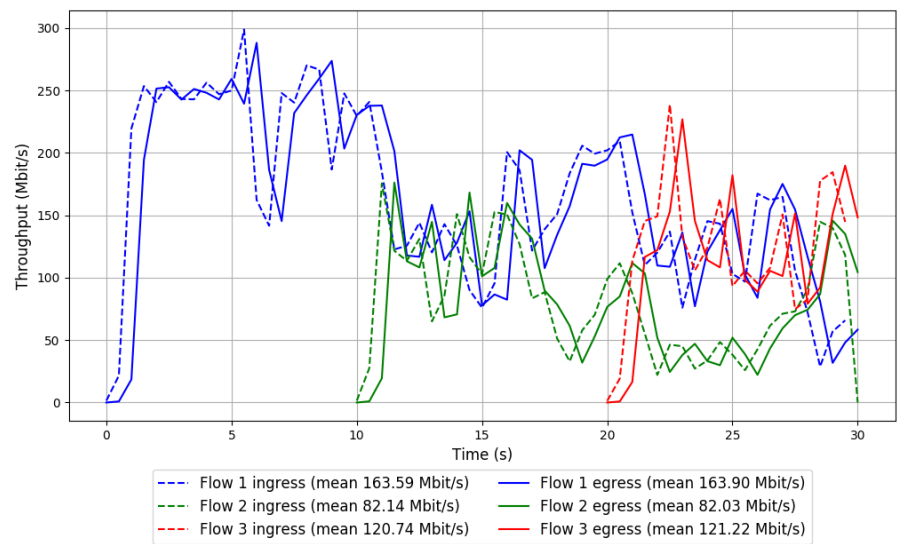
-- Flow 3:

Average throughput: 121.22 Mbit/s

95th percentile per-packet one-way delay: 64.477 ms

Loss rate: 0.78%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-06 09:22:44

End at: 2018-07-06 09:23:14

Local clock offset: -0.011 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-06 11:50:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.73 Mbit/s

95th percentile per-packet one-way delay: 59.161 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 223.78 Mbit/s

95th percentile per-packet one-way delay: 60.418 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 69.13 Mbit/s

95th percentile per-packet one-way delay: 54.360 ms

Loss rate: 0.74%

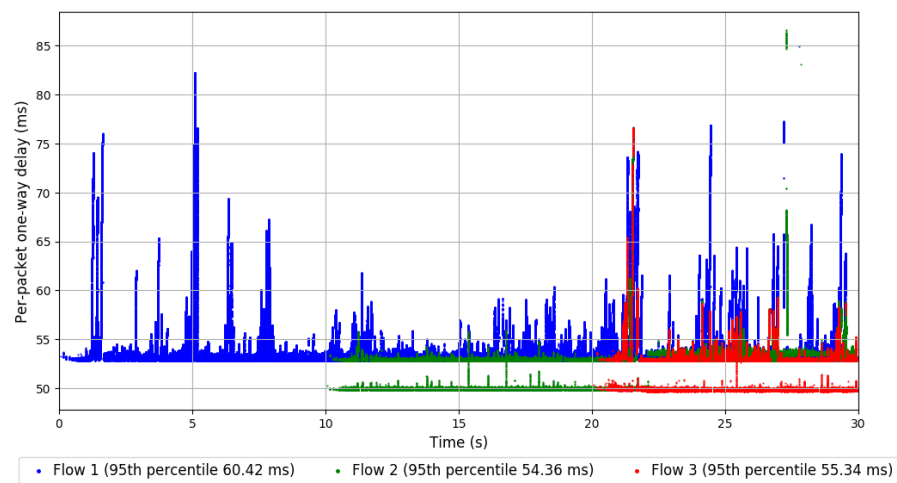
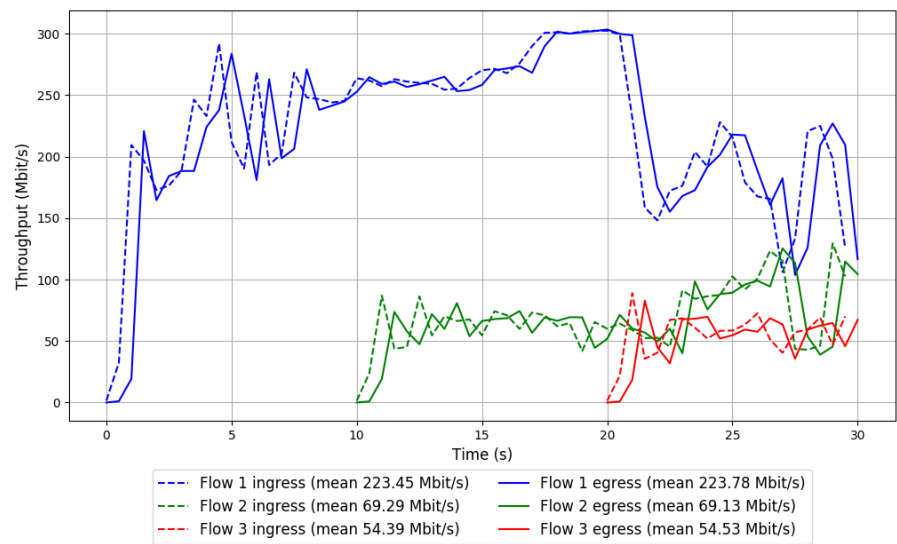
-- Flow 3:

Average throughput: 54.53 Mbit/s

95th percentile per-packet one-way delay: 55.337 ms

Loss rate: 0.77%

Run 6: Report of Copa — Data Link

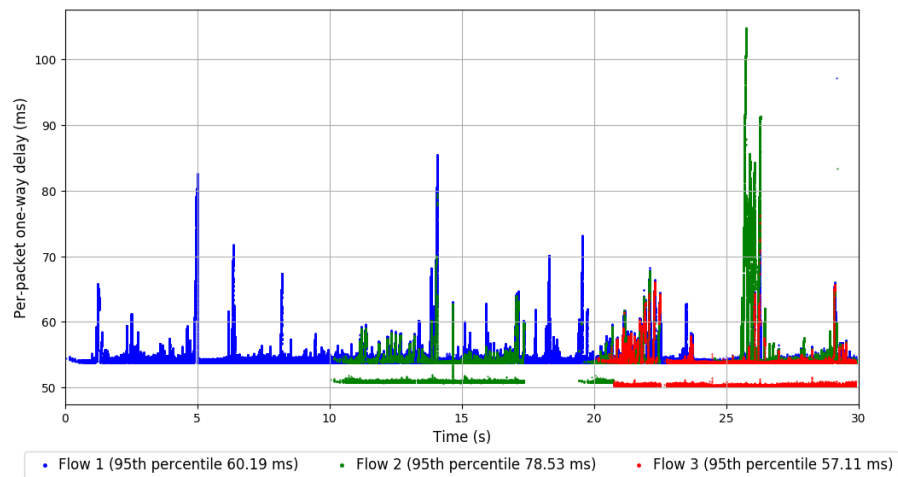
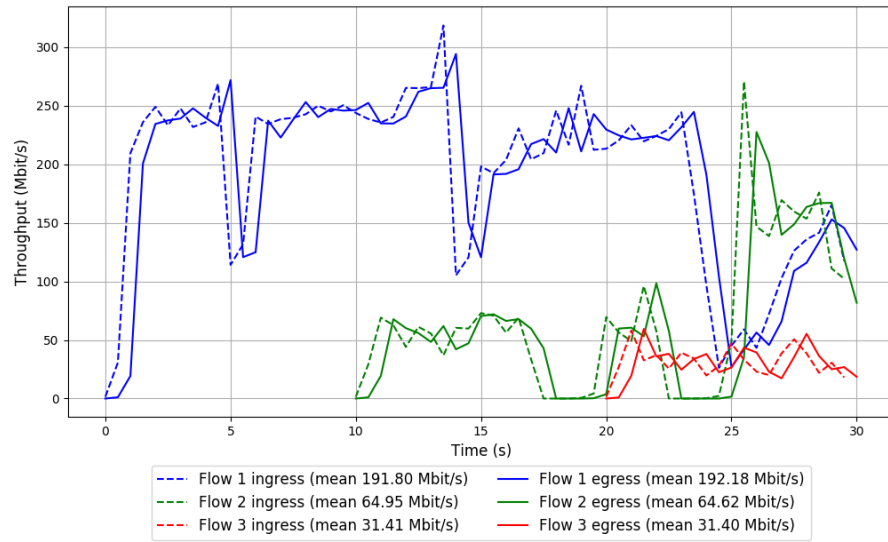


Run 7: Statistics of Copa

Start at: 2018-07-06 09:47:16
End at: 2018-07-06 09:47:46
Local clock offset: 0.055 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-06 11:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.52 Mbit/s
95th percentile per-packet one-way delay: 62.144 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 192.18 Mbit/s
95th percentile per-packet one-way delay: 60.188 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 78.530 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 57.114 ms
Loss rate: 0.72%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-06 10:12:11

End at: 2018-07-06 10:12:41

Local clock offset: -0.142 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-07-06 11:55:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.20 Mbit/s

95th percentile per-packet one-way delay: 60.156 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 193.93 Mbit/s

95th percentile per-packet one-way delay: 60.262 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 81.42 Mbit/s

95th percentile per-packet one-way delay: 60.158 ms

Loss rate: 1.47%

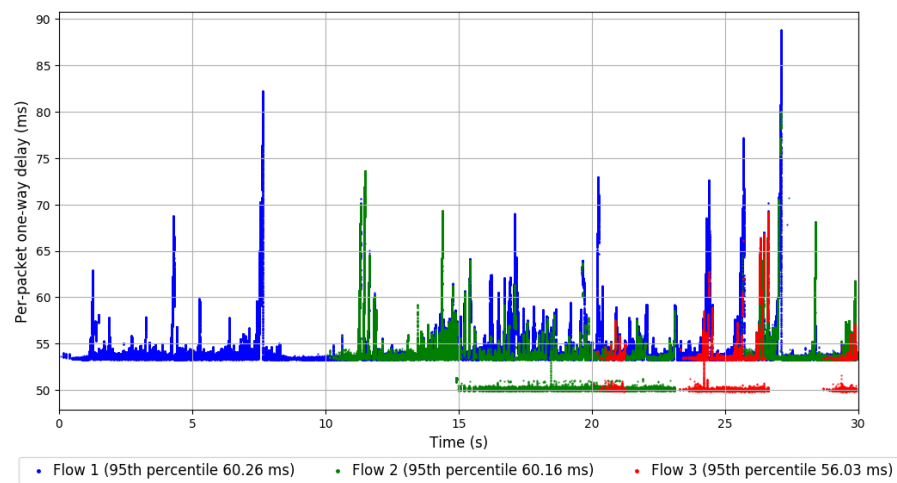
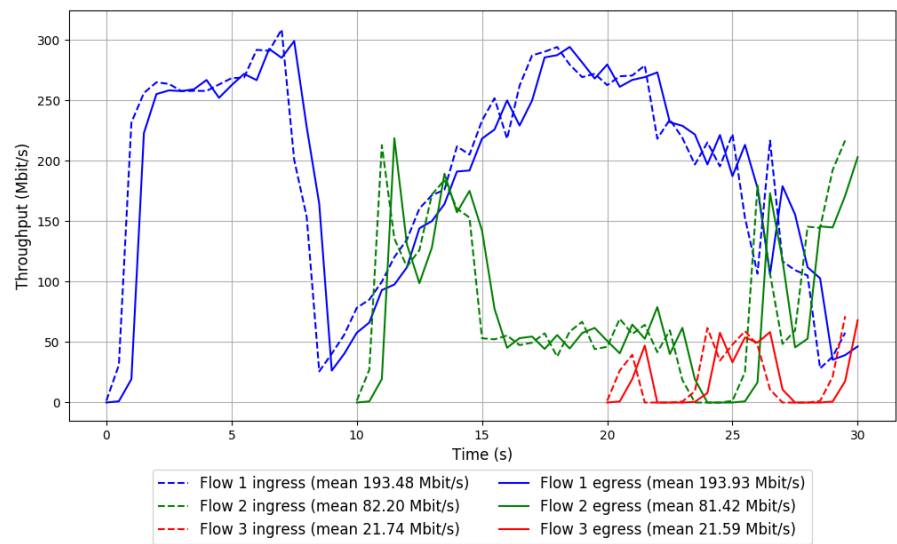
-- Flow 3:

Average throughput: 21.59 Mbit/s

95th percentile per-packet one-way delay: 56.028 ms

Loss rate: 1.76%

Run 8: Report of Copa — Data Link

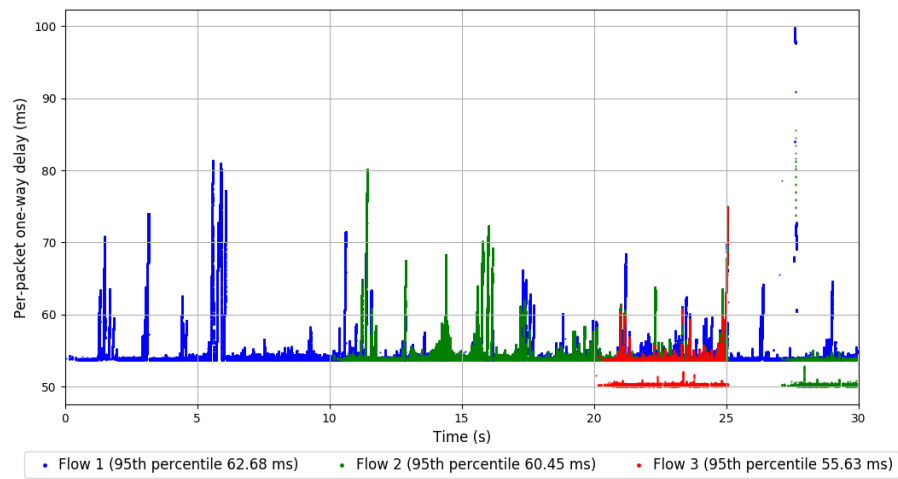
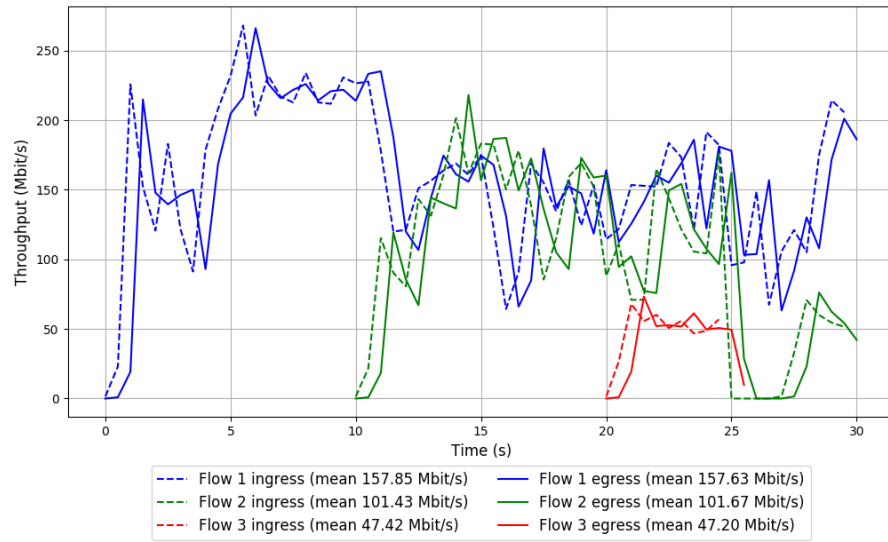


Run 9: Statistics of Copa

Start at: 2018-07-06 10:36:50
End at: 2018-07-06 10:37:20
Local clock offset: 0.002 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-06 11:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.11 Mbit/s
95th percentile per-packet one-way delay: 61.809 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 157.63 Mbit/s
95th percentile per-packet one-way delay: 62.683 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 101.67 Mbit/s
95th percentile per-packet one-way delay: 60.450 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 55.634 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

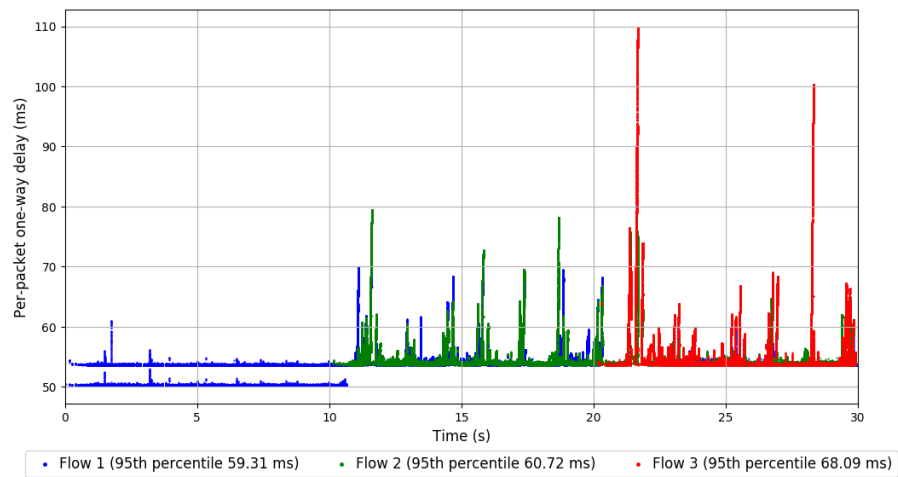
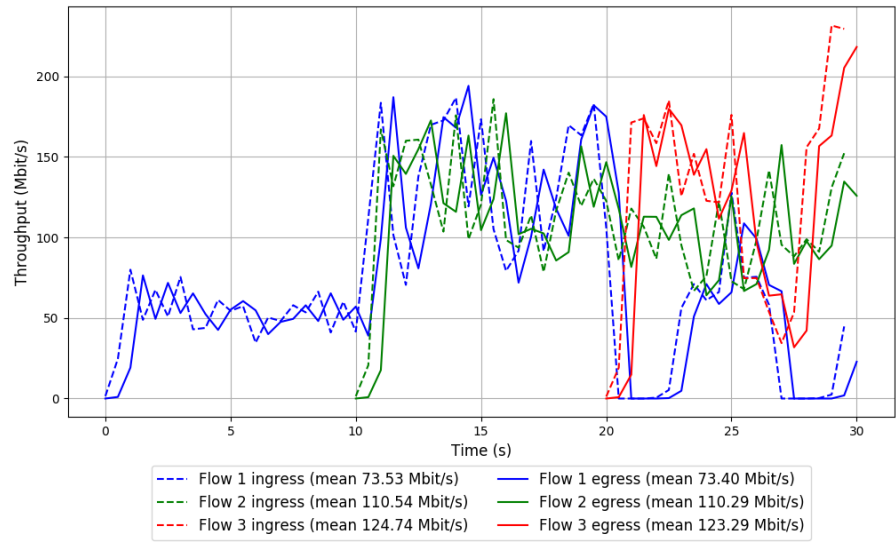


Run 10: Statistics of Copa

Start at: 2018-07-06 11:01:26
End at: 2018-07-06 11:01:56
Local clock offset: -0.051 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-06 11:55:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.34 Mbit/s
95th percentile per-packet one-way delay: 61.819 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 59.308 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 110.29 Mbit/s
95th percentile per-packet one-way delay: 60.715 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 123.29 Mbit/s
95th percentile per-packet one-way delay: 68.088 ms
Loss rate: 2.23%

Run 10: Report of Copa — Data Link

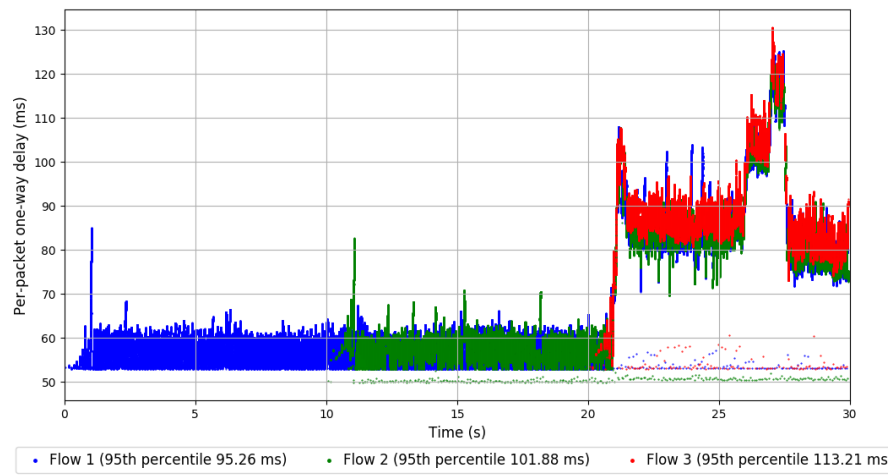
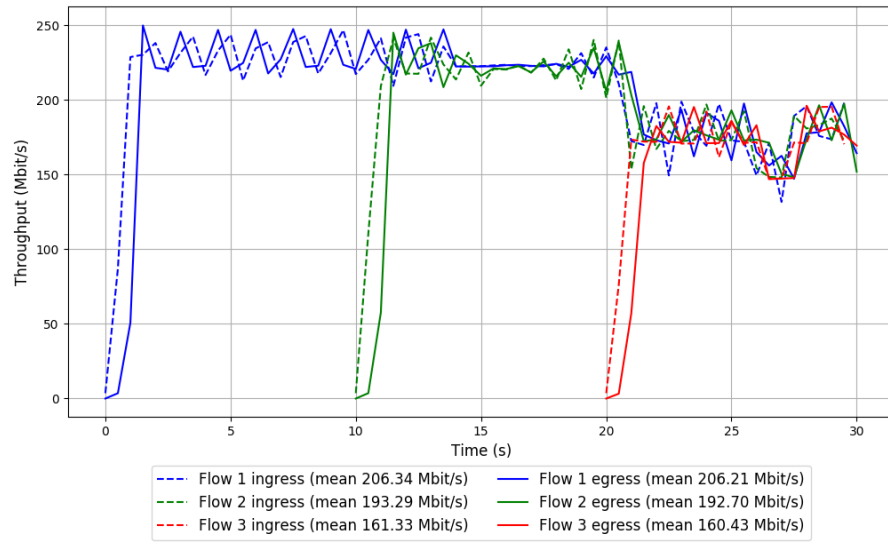


Run 1: Statistics of TCP Cubic

Start at: 2018-07-06 07:21:15
End at: 2018-07-06 07:21:45
Local clock offset: -0.15 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-06 11:55:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.17 Mbit/s
95th percentile per-packet one-way delay: 102.878 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 206.21 Mbit/s
95th percentile per-packet one-way delay: 95.261 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 192.70 Mbit/s
95th percentile per-packet one-way delay: 101.880 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 160.43 Mbit/s
95th percentile per-packet one-way delay: 113.213 ms
Loss rate: 1.55%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-06 07:45:47

End at: 2018-07-06 07:46:17

Local clock offset: -0.072 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-07-06 11:55:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.89 Mbit/s

95th percentile per-packet one-way delay: 63.120 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 219.42 Mbit/s

95th percentile per-packet one-way delay: 63.092 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 47.78 Mbit/s

95th percentile per-packet one-way delay: 63.306 ms

Loss rate: 2.27%

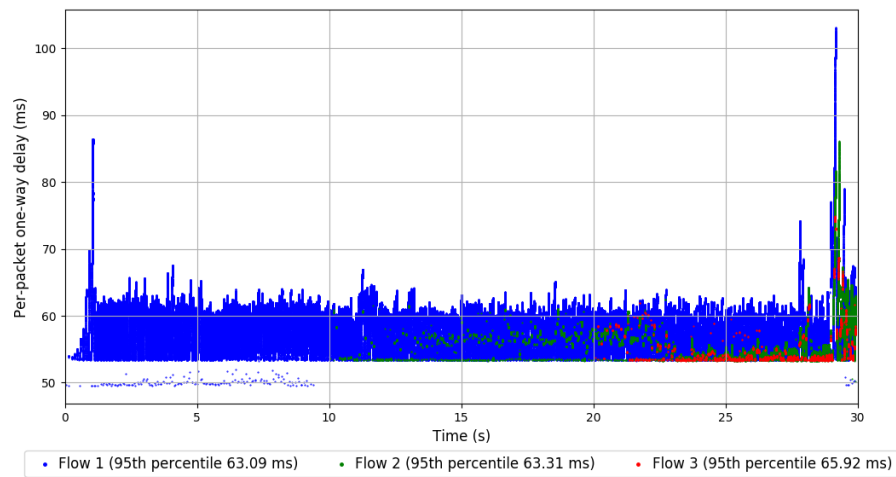
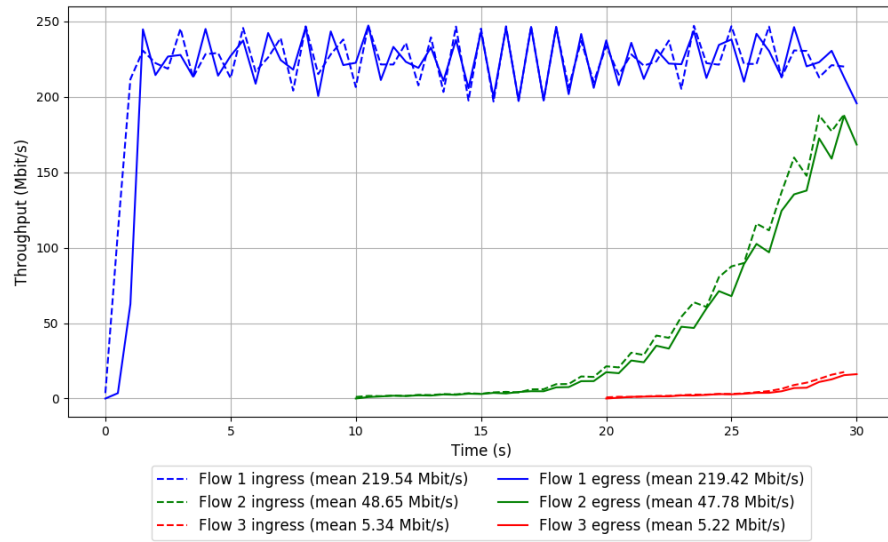
-- Flow 3:

Average throughput: 5.22 Mbit/s

95th percentile per-packet one-way delay: 65.917 ms

Loss rate: 3.20%

Run 2: Report of TCP Cubic — Data Link

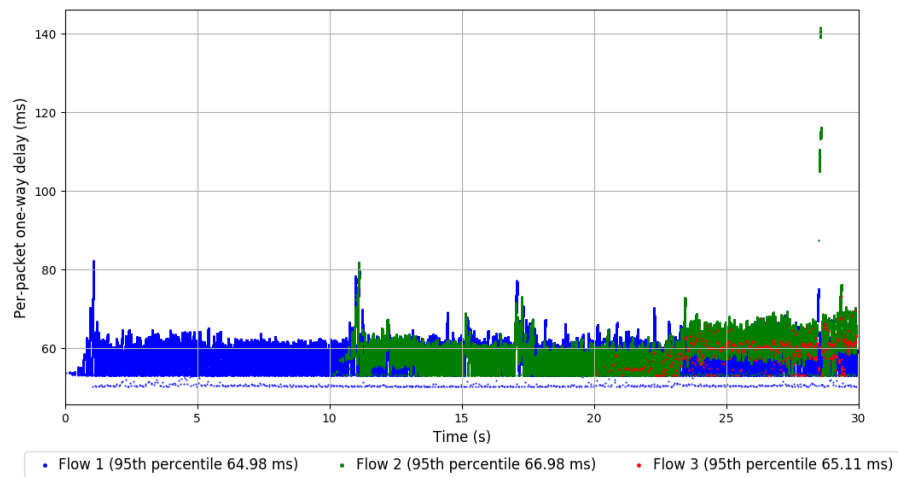
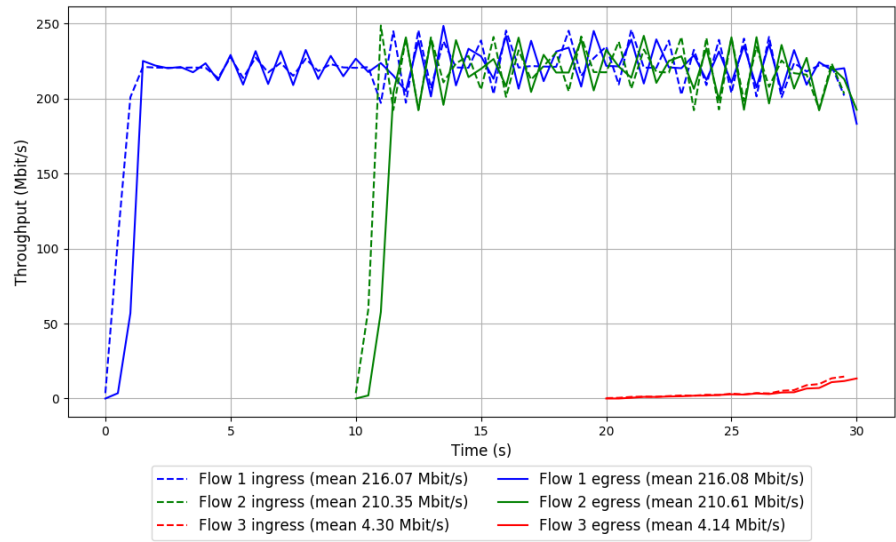


Run 3: Statistics of TCP Cubic

Start at: 2018-07-06 08:10:16
End at: 2018-07-06 08:10:46
Local clock offset: -0.029 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-06 11:56:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.38 Mbit/s
95th percentile per-packet one-way delay: 66.190 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 216.08 Mbit/s
95th percentile per-packet one-way delay: 64.983 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 210.61 Mbit/s
95th percentile per-packet one-way delay: 66.985 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 65.110 ms
Loss rate: 4.60%

Run 3: Report of TCP Cubic — Data Link

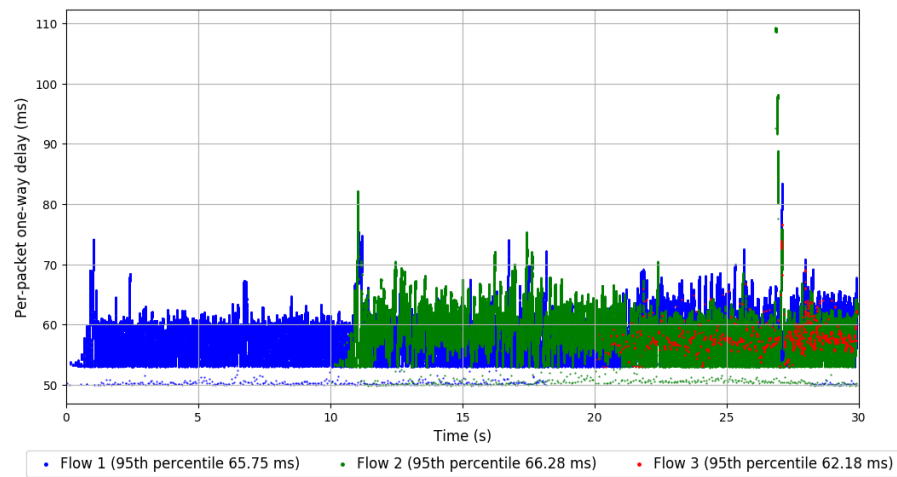
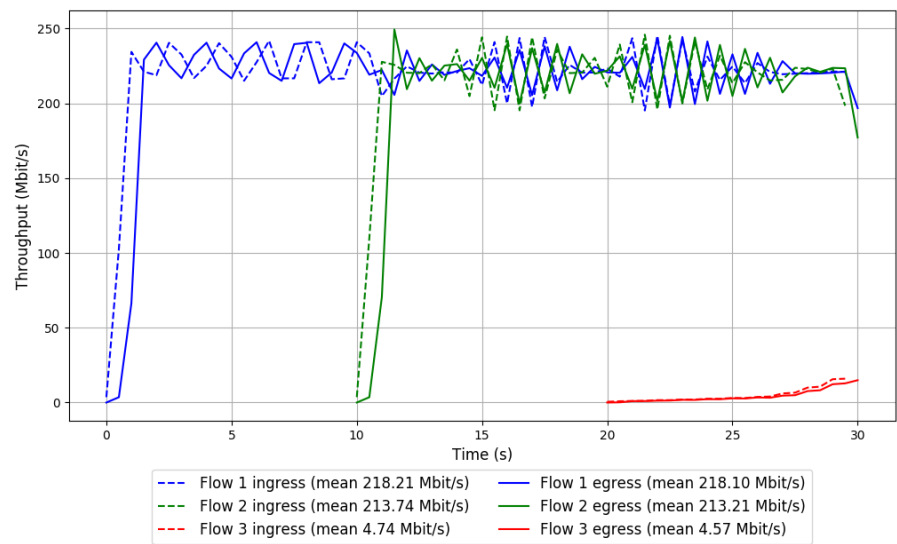


Run 4: Statistics of TCP Cubic

Start at: 2018-07-06 08:34:58
End at: 2018-07-06 08:35:28
Local clock offset: 0.006 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-06 11:57:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.40 Mbit/s
95th percentile per-packet one-way delay: 65.969 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 218.10 Mbit/s
95th percentile per-packet one-way delay: 65.751 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 213.21 Mbit/s
95th percentile per-packet one-way delay: 66.275 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 62.179 ms
Loss rate: 4.59%

Run 4: Report of TCP Cubic — Data Link

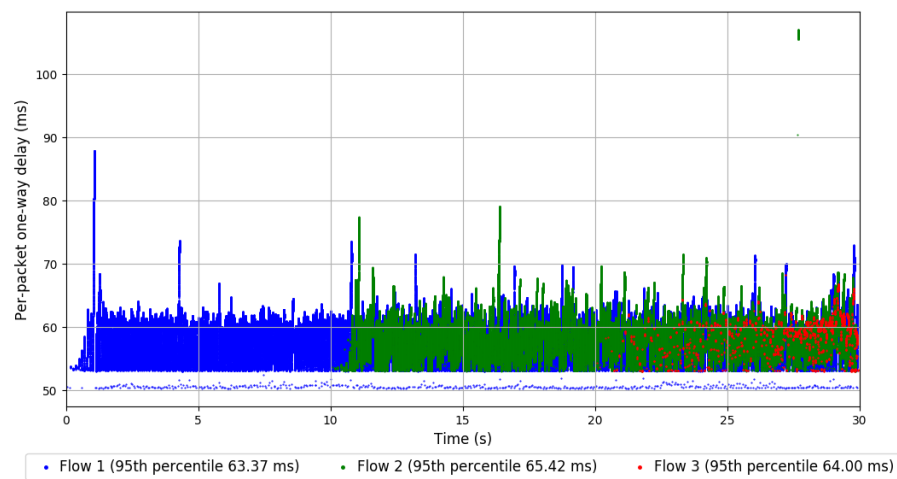
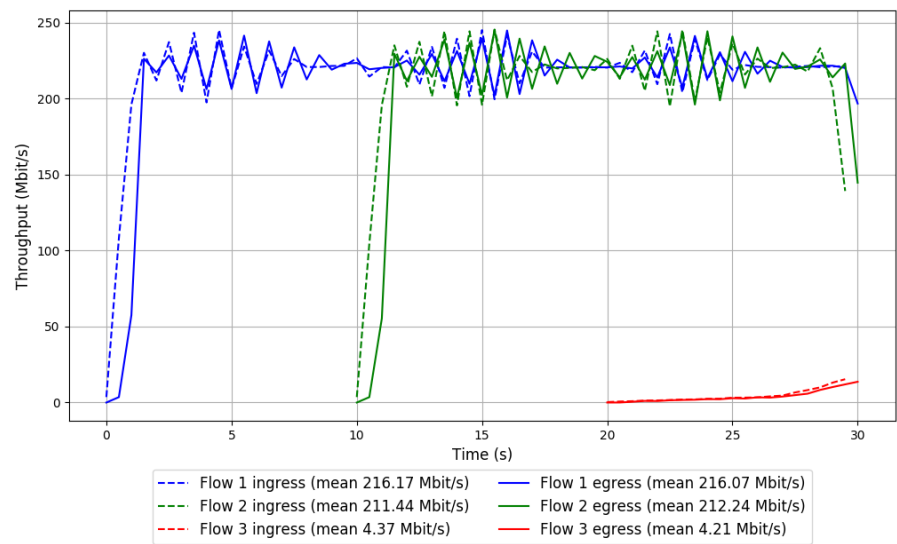


Run 5: Statistics of TCP Cubic

Start at: 2018-07-06 08:59:53
End at: 2018-07-06 09:00:23
Local clock offset: -0.088 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-06 11:59:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.97 Mbit/s
95th percentile per-packet one-way delay: 64.256 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 216.07 Mbit/s
95th percentile per-packet one-way delay: 63.374 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 212.24 Mbit/s
95th percentile per-packet one-way delay: 65.422 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 64.002 ms
Loss rate: 4.58%

Run 5: Report of TCP Cubic — Data Link

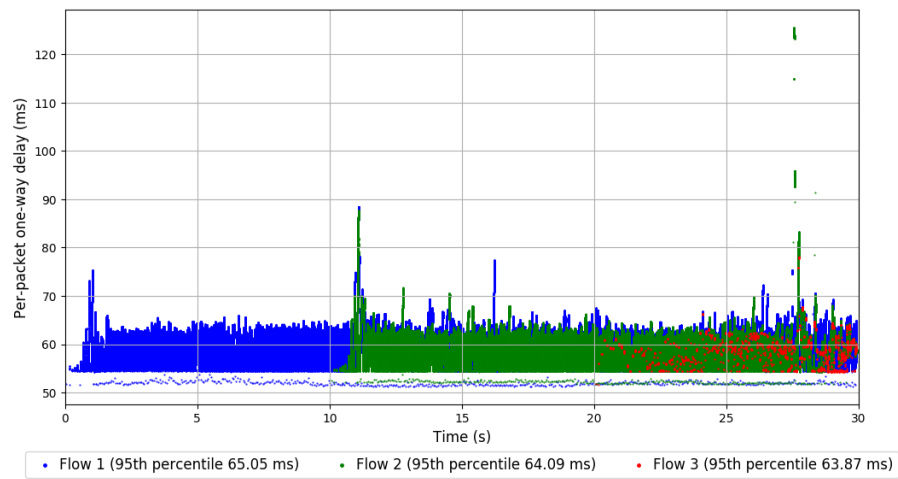
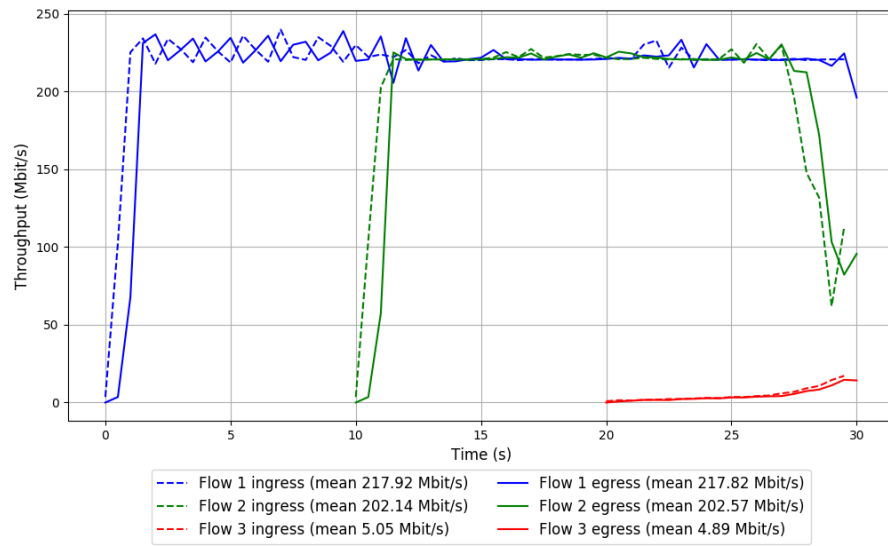


Run 6: Statistics of TCP Cubic

Start at: 2018-07-06 09:24:17
End at: 2018-07-06 09:24:47
Local clock offset: 0.133 ms
Remote clock offset: -1.222 ms

Below is generated by plot.py at 2018-07-06 11:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.06 Mbit/s
95th percentile per-packet one-way delay: 64.779 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 217.82 Mbit/s
95th percentile per-packet one-way delay: 65.045 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 202.57 Mbit/s
95th percentile per-packet one-way delay: 64.090 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 63.873 ms
Loss rate: 4.06%

Run 6: Report of TCP Cubic — Data Link

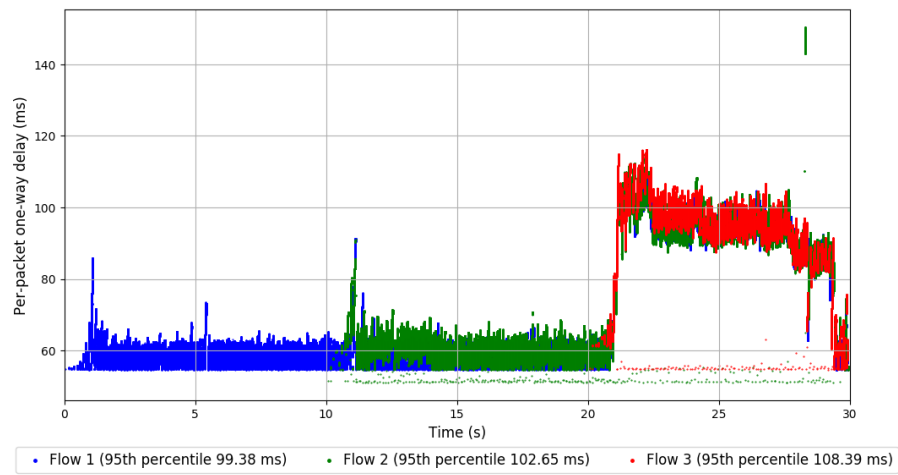
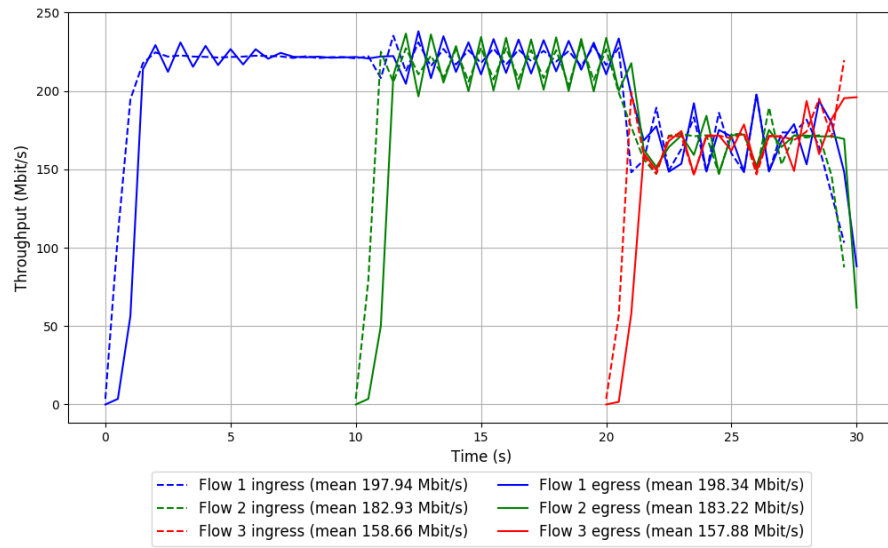


Run 7: Statistics of TCP Cubic

Start at: 2018-07-06 09:48:45
End at: 2018-07-06 09:49:15
Local clock offset: -0.089 ms
Remote clock offset: -1.145 ms

Below is generated by plot.py at 2018-07-06 12:00:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.17 Mbit/s
95th percentile per-packet one-way delay: 102.642 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 198.34 Mbit/s
95th percentile per-packet one-way delay: 99.384 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 183.22 Mbit/s
95th percentile per-packet one-way delay: 102.654 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 108.386 ms
Loss rate: 1.51%

Run 7: Report of TCP Cubic — Data Link

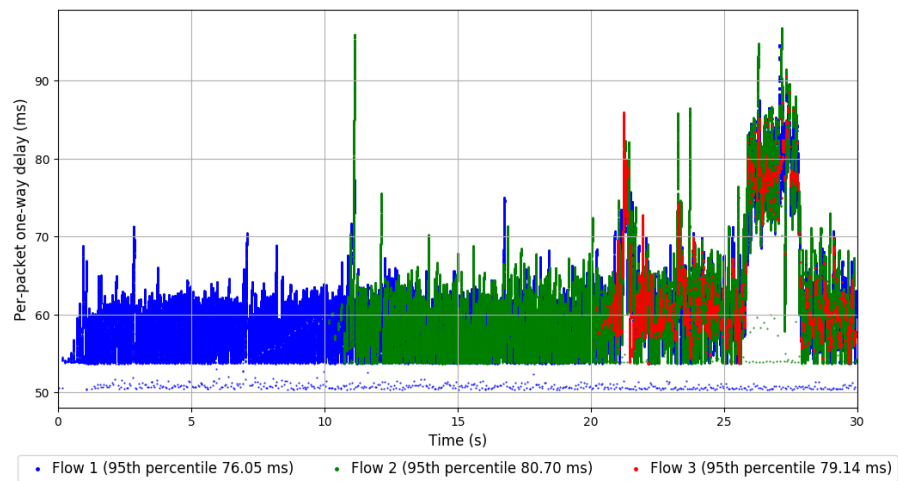
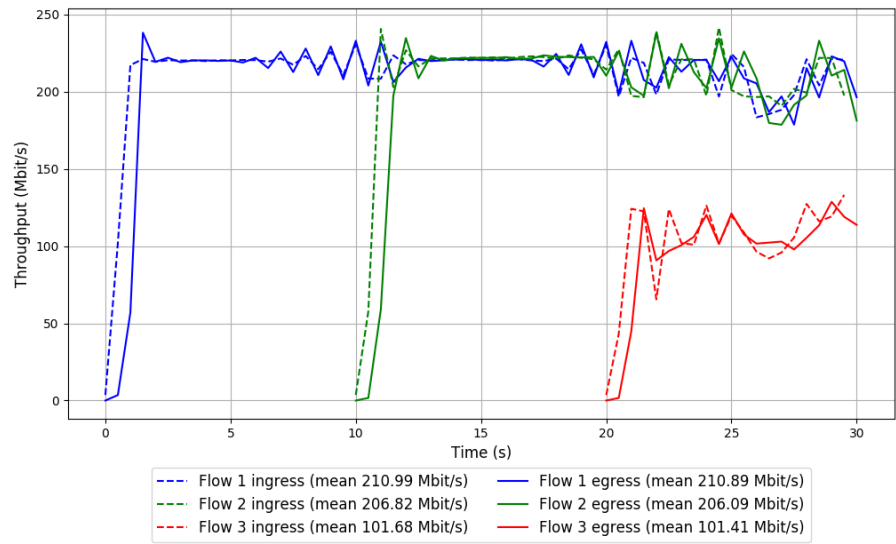


Run 8: Statistics of TCP Cubic

Start at: 2018-07-06 10:13:42
End at: 2018-07-06 10:14:12
Local clock offset: -0.023 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-06 12:01:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.33 Mbit/s
95th percentile per-packet one-way delay: 78.663 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 210.89 Mbit/s
95th percentile per-packet one-way delay: 76.051 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 206.09 Mbit/s
95th percentile per-packet one-way delay: 80.704 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 101.41 Mbit/s
95th percentile per-packet one-way delay: 79.144 ms
Loss rate: 1.35%

Run 8: Report of TCP Cubic — Data Link

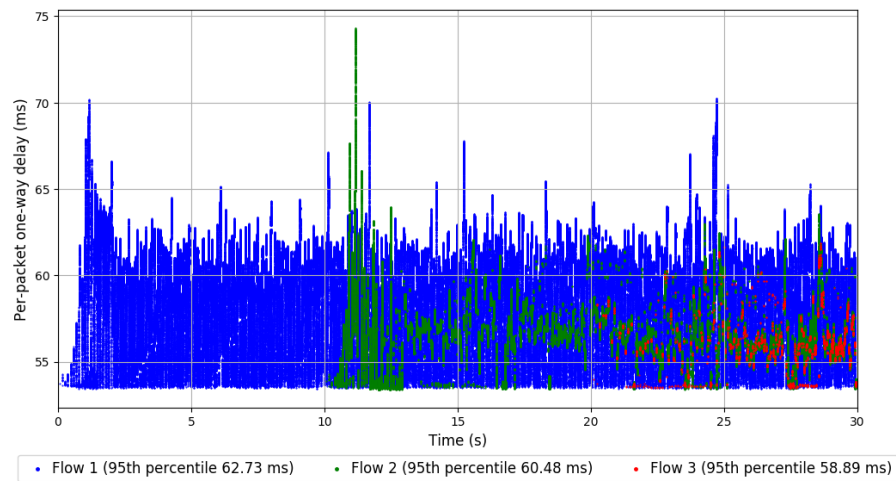
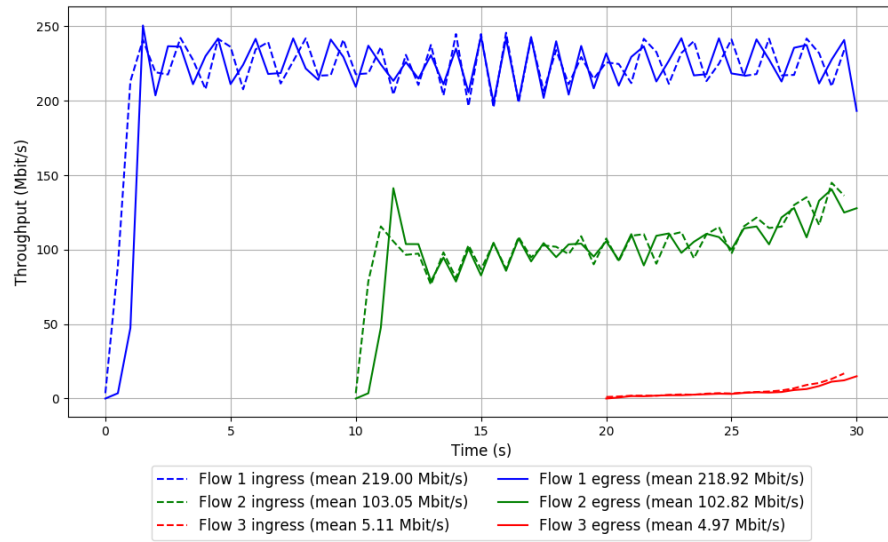


Run 9: Statistics of TCP Cubic

Start at: 2018-07-06 10:38:19
End at: 2018-07-06 10:38:49
Local clock offset: -0.378 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-06 12:01:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.85 Mbit/s
95th percentile per-packet one-way delay: 62.511 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 218.92 Mbit/s
95th percentile per-packet one-way delay: 62.731 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 102.82 Mbit/s
95th percentile per-packet one-way delay: 60.483 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 58.888 ms
Loss rate: 3.76%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-06 11:02:50

End at: 2018-07-06 11:03:20

Local clock offset: -0.057 ms

Remote clock offset: 1.29 ms

Below is generated by plot.py at 2018-07-06 12:01:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.89 Mbit/s

95th percentile per-packet one-way delay: 63.673 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 215.32 Mbit/s

95th percentile per-packet one-way delay: 63.827 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 61.891 ms

Loss rate: 2.44%

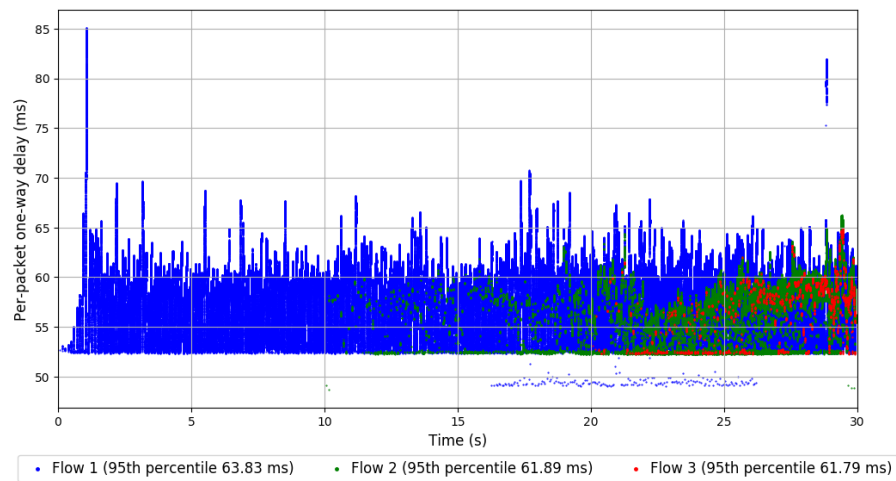
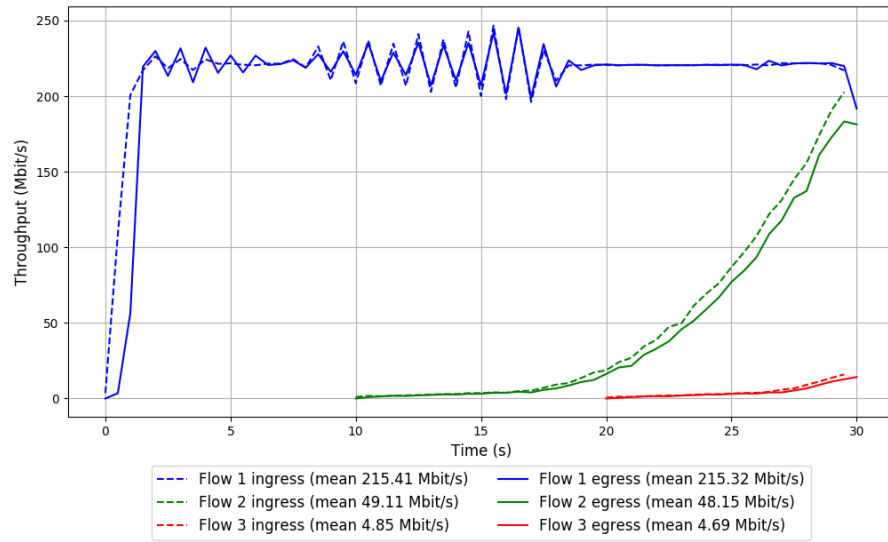
-- Flow 3:

Average throughput: 4.69 Mbit/s

95th percentile per-packet one-way delay: 61.788 ms

Loss rate: 4.33%

Run 10: Report of TCP Cubic — Data Link

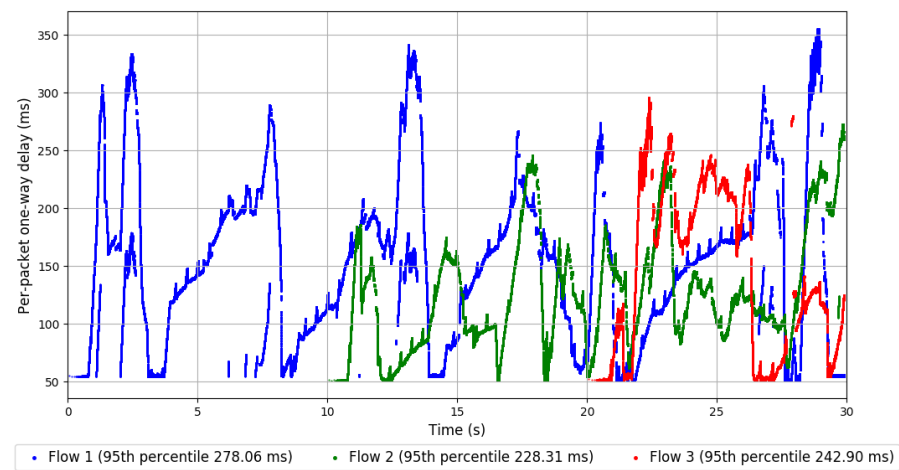
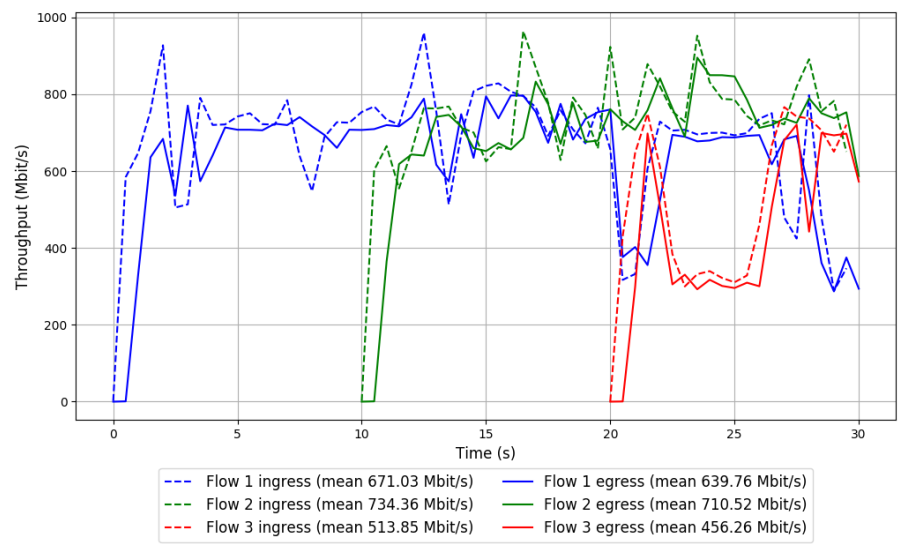


Run 1: Statistics of FillP

Start at: 2018-07-06 07:16:27
End at: 2018-07-06 07:16:57
Local clock offset: -0.151 ms
Remote clock offset: -1.359 ms

Below is generated by plot.py at 2018-07-06 12:24:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1262.25 Mbit/s
95th percentile per-packet one-way delay: 250.918 ms
Loss rate: 5.44%
-- Flow 1:
Average throughput: 639.76 Mbit/s
95th percentile per-packet one-way delay: 278.064 ms
Loss rate: 4.99%
-- Flow 2:
Average throughput: 710.52 Mbit/s
95th percentile per-packet one-way delay: 228.305 ms
Loss rate: 3.74%
-- Flow 3:
Average throughput: 456.26 Mbit/s
95th percentile per-packet one-way delay: 242.900 ms
Loss rate: 12.11%

Run 1: Report of FillP — Data Link

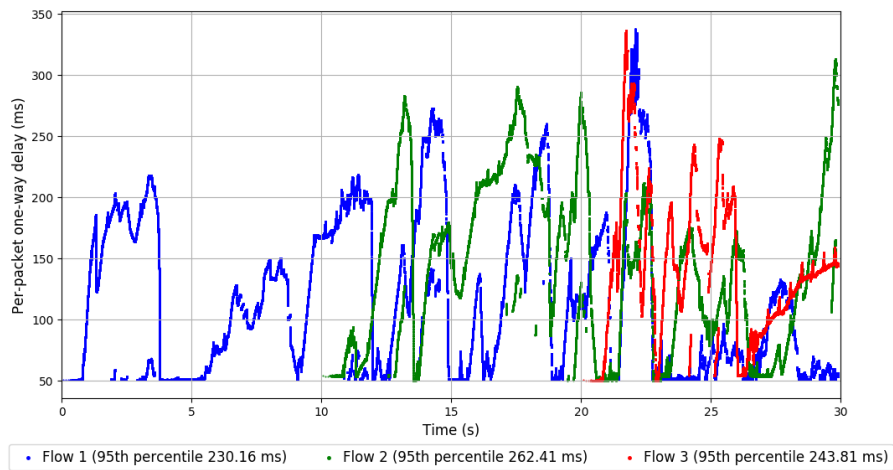
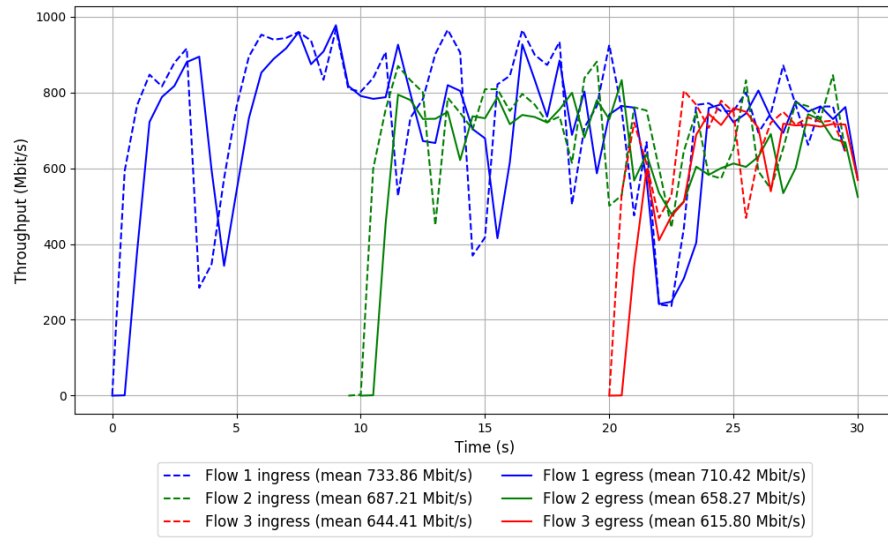


Run 2: Statistics of FillP

Start at: 2018-07-06 07:40:53
End at: 2018-07-06 07:41:23
Local clock offset: -0.044 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-06 12:27:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1350.56 Mbit/s
95th percentile per-packet one-way delay: 247.934 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 710.42 Mbit/s
95th percentile per-packet one-way delay: 230.157 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 658.27 Mbit/s
95th percentile per-packet one-way delay: 262.408 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 615.80 Mbit/s
95th percentile per-packet one-way delay: 243.811 ms
Loss rate: 5.41%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-06 08:05:21

End at: 2018-07-06 08:05:51

Local clock offset: 0.029 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-06 12:28:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 1323.25 Mbit/s

95th percentile per-packet one-way delay: 254.775 ms

Loss rate: 4.54%

-- Flow 1:

Average throughput: 676.04 Mbit/s

95th percentile per-packet one-way delay: 255.174 ms

Loss rate: 5.27%

-- Flow 2:

Average throughput: 653.11 Mbit/s

95th percentile per-packet one-way delay: 261.409 ms

Loss rate: 3.54%

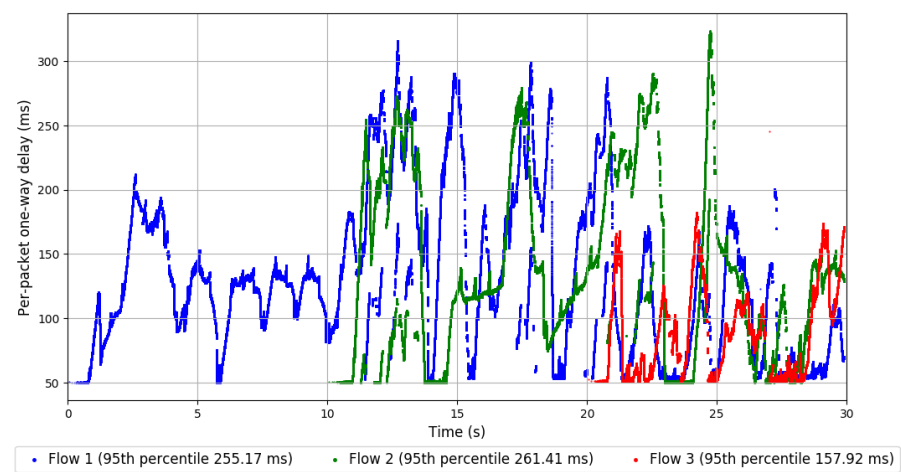
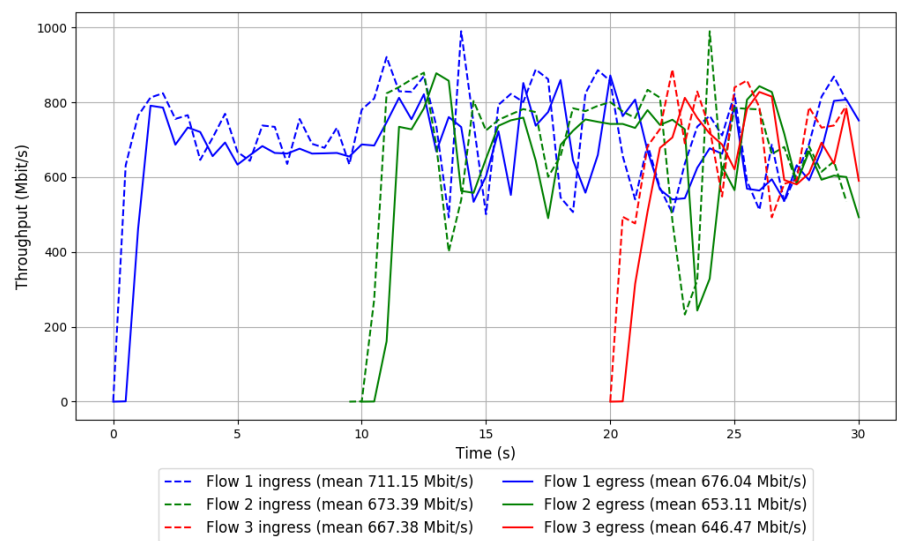
-- Flow 3:

Average throughput: 646.47 Mbit/s

95th percentile per-packet one-way delay: 157.918 ms

Loss rate: 4.19%

Run 3: Report of FillP — Data Link

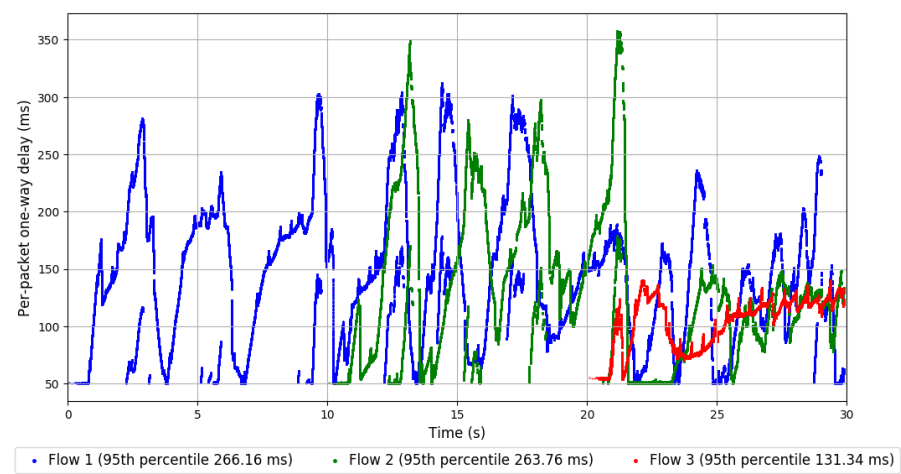
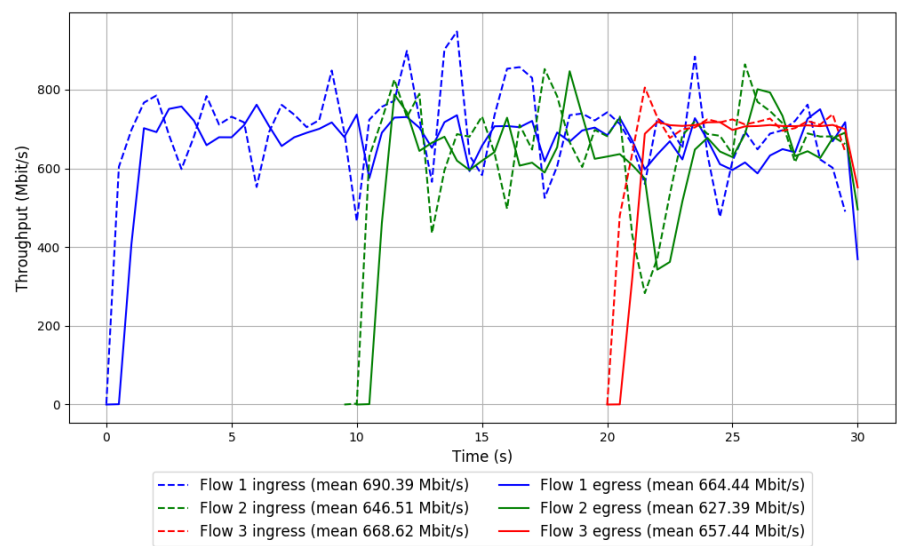


Run 4: Statistics of FillP

Start at: 2018-07-06 08:30:14
End at: 2018-07-06 08:30:44
Local clock offset: 0.166 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-06 12:28:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 1297.87 Mbit/s
95th percentile per-packet one-way delay: 255.733 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 664.44 Mbit/s
95th percentile per-packet one-way delay: 266.159 ms
Loss rate: 4.09%
-- Flow 2:
Average throughput: 627.39 Mbit/s
95th percentile per-packet one-way delay: 263.757 ms
Loss rate: 3.45%
-- Flow 3:
Average throughput: 657.44 Mbit/s
95th percentile per-packet one-way delay: 131.338 ms
Loss rate: 2.73%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-06 08:54:55

End at: 2018-07-06 08:55:25

Local clock offset: -0.05 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-06 12:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 1307.46 Mbit/s

95th percentile per-packet one-way delay: 249.438 ms

Loss rate: 2.88%

-- Flow 1:

Average throughput: 713.54 Mbit/s

95th percentile per-packet one-way delay: 241.197 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 700.65 Mbit/s

95th percentile per-packet one-way delay: 262.443 ms

Loss rate: 3.64%

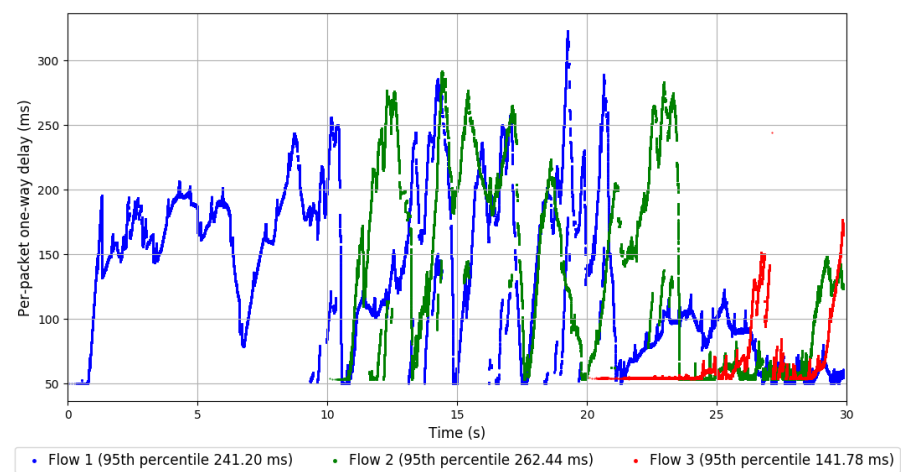
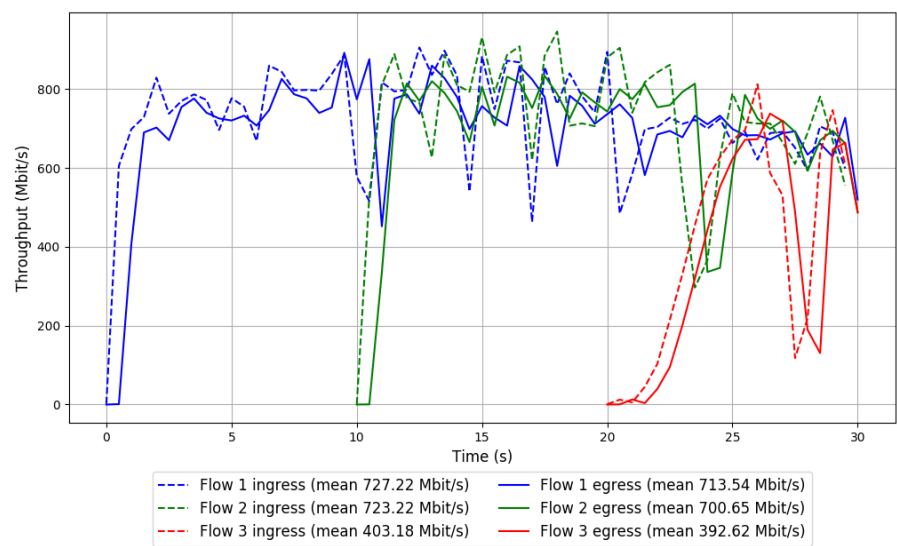
-- Flow 3:

Average throughput: 392.62 Mbit/s

95th percentile per-packet one-way delay: 141.776 ms

Loss rate: 3.68%

Run 5: Report of FillP — Data Link

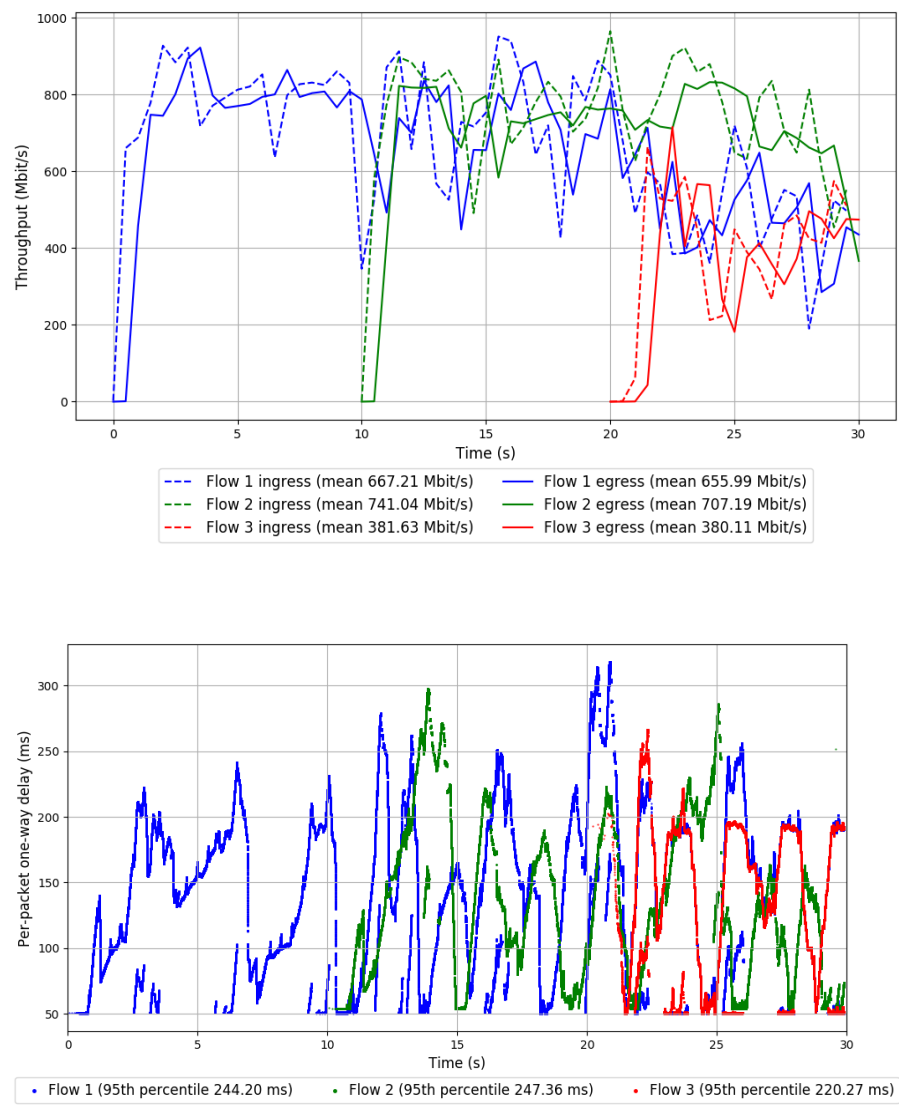


Run 6: Statistics of FillP

Start at: 2018-07-06 09:19:19
End at: 2018-07-06 09:19:49
Local clock offset: -0.026 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-06 12:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 1248.96 Mbit/s
95th percentile per-packet one-way delay: 243.633 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 655.99 Mbit/s
95th percentile per-packet one-way delay: 244.200 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 707.19 Mbit/s
95th percentile per-packet one-way delay: 247.360 ms
Loss rate: 5.07%
-- Flow 3:
Average throughput: 380.11 Mbit/s
95th percentile per-packet one-way delay: 220.267 ms
Loss rate: 2.86%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-06 09:43:49

End at: 2018-07-06 09:44:19

Local clock offset: 0.274 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-06 12:30:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 1309.74 Mbit/s

95th percentile per-packet one-way delay: 207.726 ms

Loss rate: 4.85%

-- Flow 1:

Average throughput: 678.70 Mbit/s

95th percentile per-packet one-way delay: 232.470 ms

Loss rate: 4.28%

-- Flow 2:

Average throughput: 635.87 Mbit/s

95th percentile per-packet one-way delay: 185.707 ms

Loss rate: 6.24%

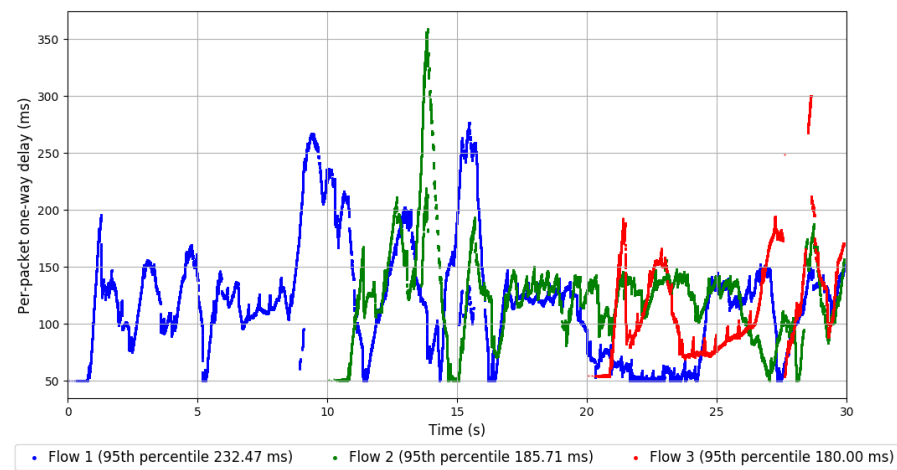
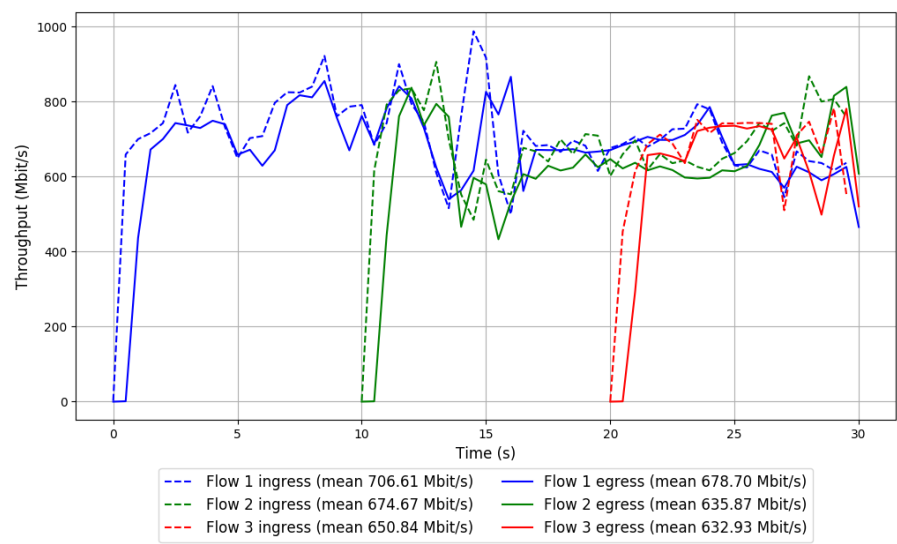
-- Flow 3:

Average throughput: 632.93 Mbit/s

95th percentile per-packet one-way delay: 179.997 ms

Loss rate: 3.81%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-06 10:08:41

End at: 2018-07-06 10:09:11

Local clock offset: -0.163 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-06 12:31:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1338.94 Mbit/s

95th percentile per-packet one-way delay: 244.673 ms

Loss rate: 4.47%

-- Flow 1:

Average throughput: 742.27 Mbit/s

95th percentile per-packet one-way delay: 218.554 ms

Loss rate: 2.61%

-- Flow 2:

Average throughput: 669.50 Mbit/s

95th percentile per-packet one-way delay: 276.968 ms

Loss rate: 7.05%

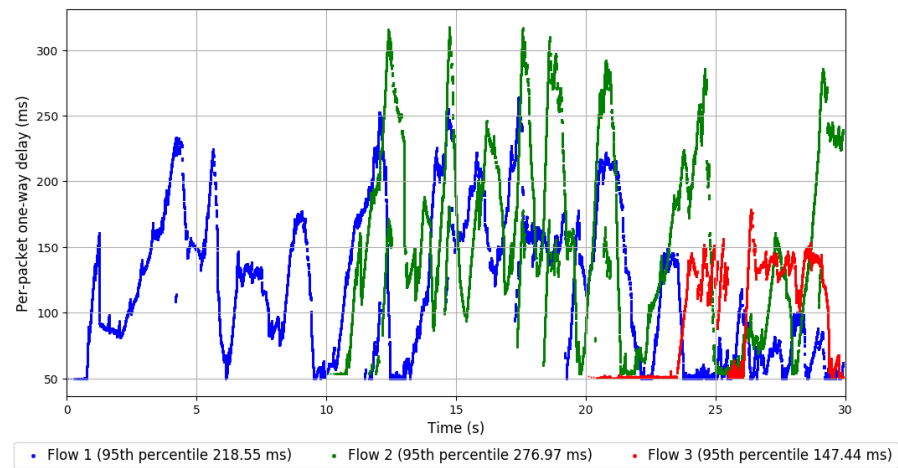
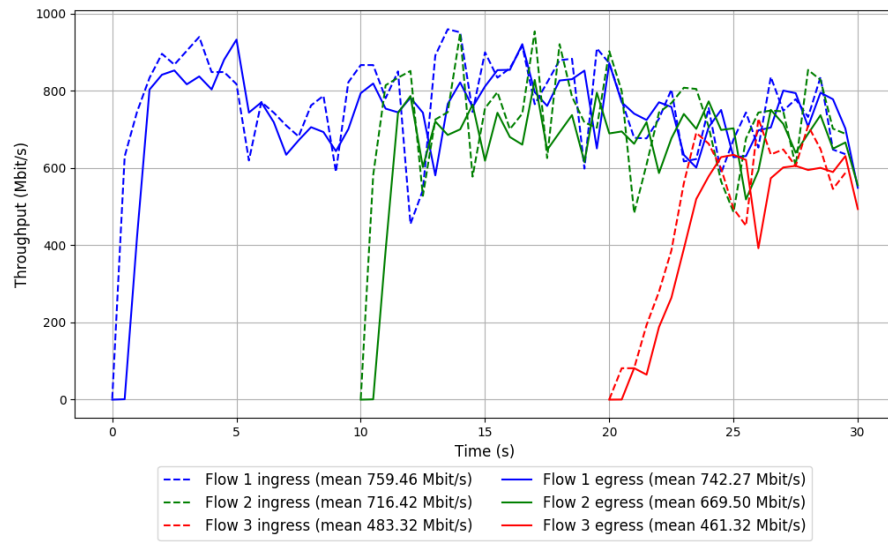
-- Flow 3:

Average throughput: 461.32 Mbit/s

95th percentile per-packet one-way delay: 147.444 ms

Loss rate: 5.58%

Run 8: Report of FillP — Data Link

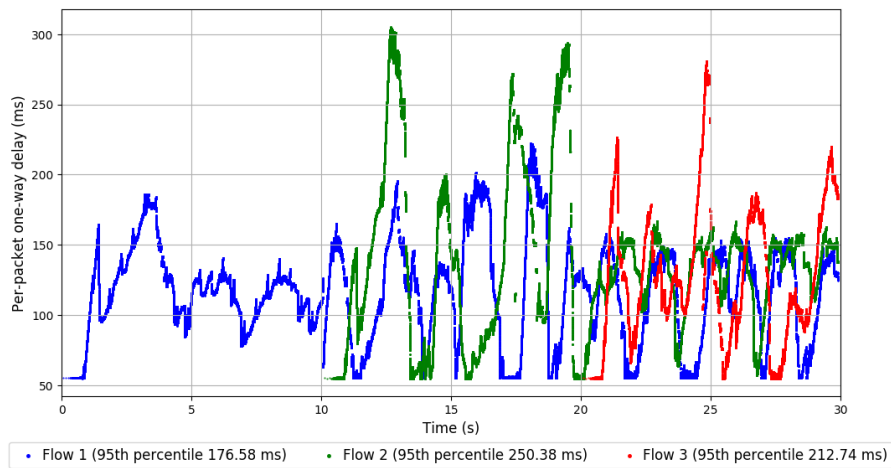
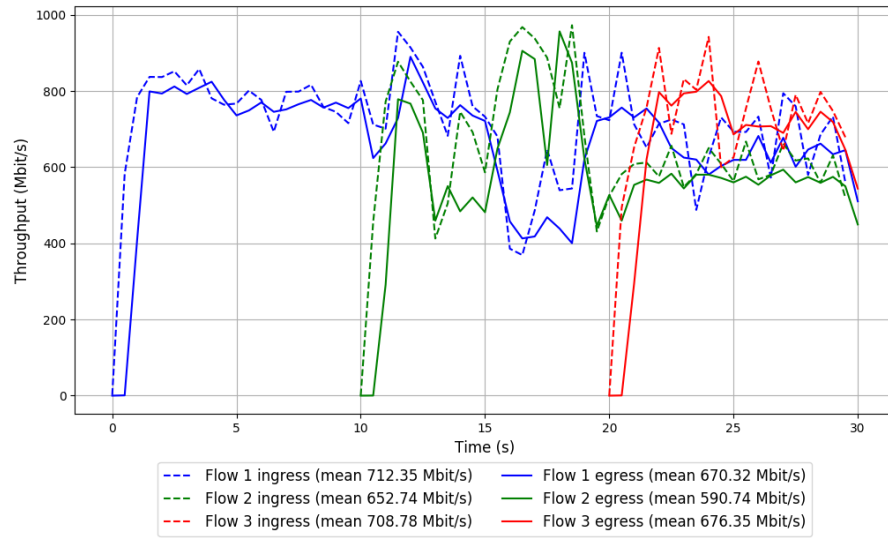


Run 9: Statistics of FillP

Start at: 2018-07-06 10:33:24
End at: 2018-07-06 10:33:54
Local clock offset: -0.09 ms
Remote clock offset: -1.311 ms

Below is generated by plot.py at 2018-07-06 12:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 1284.24 Mbit/s
95th percentile per-packet one-way delay: 200.319 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 670.32 Mbit/s
95th percentile per-packet one-way delay: 176.576 ms
Loss rate: 6.23%
-- Flow 2:
Average throughput: 590.74 Mbit/s
95th percentile per-packet one-way delay: 250.377 ms
Loss rate: 9.99%
-- Flow 3:
Average throughput: 676.35 Mbit/s
95th percentile per-packet one-way delay: 212.739 ms
Loss rate: 5.59%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-06 10:57:58

End at: 2018-07-06 10:58:28

Local clock offset: -0.084 ms

Remote clock offset: 1.3 ms

Below is generated by plot.py at 2018-07-06 12:57:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1353.34 Mbit/s

95th percentile per-packet one-way delay: 238.074 ms

Loss rate: 3.77%

-- Flow 1:

Average throughput: 701.14 Mbit/s

95th percentile per-packet one-way delay: 233.167 ms

Loss rate: 2.41%

-- Flow 2:

Average throughput: 690.44 Mbit/s

95th percentile per-packet one-way delay: 266.511 ms

Loss rate: 4.95%

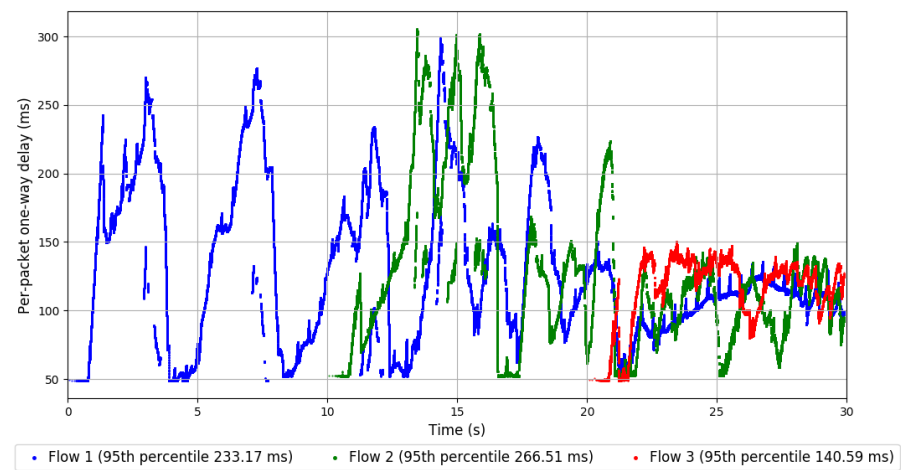
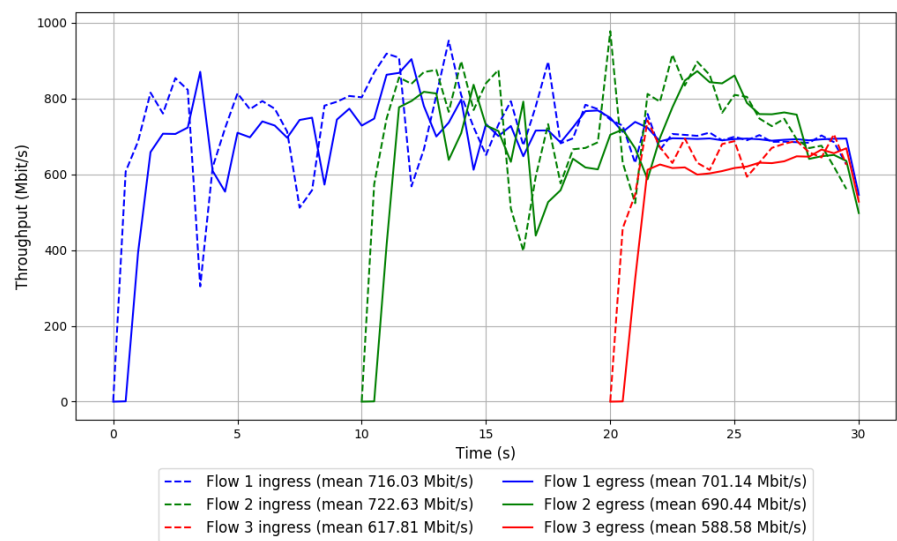
-- Flow 3:

Average throughput: 588.58 Mbit/s

95th percentile per-packet one-way delay: 140.589 ms

Loss rate: 5.71%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-06 07:33:55

End at: 2018-07-06 07:34:25

Local clock offset: -0.198 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-07-06 12:57:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 870.33 Mbit/s

95th percentile per-packet one-way delay: 258.970 ms

Loss rate: 7.80%

-- Flow 1:

Average throughput: 233.82 Mbit/s

95th percentile per-packet one-way delay: 297.338 ms

Loss rate: 12.31%

-- Flow 2:

Average throughput: 663.04 Mbit/s

95th percentile per-packet one-way delay: 188.117 ms

Loss rate: 5.53%

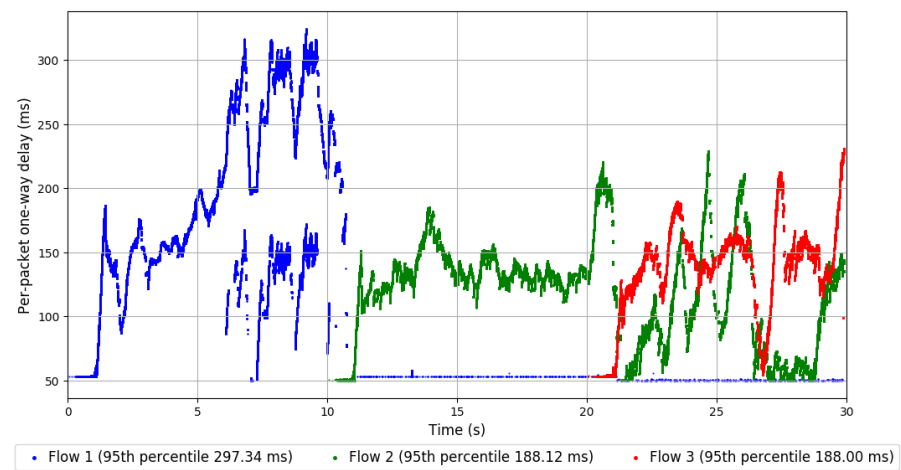
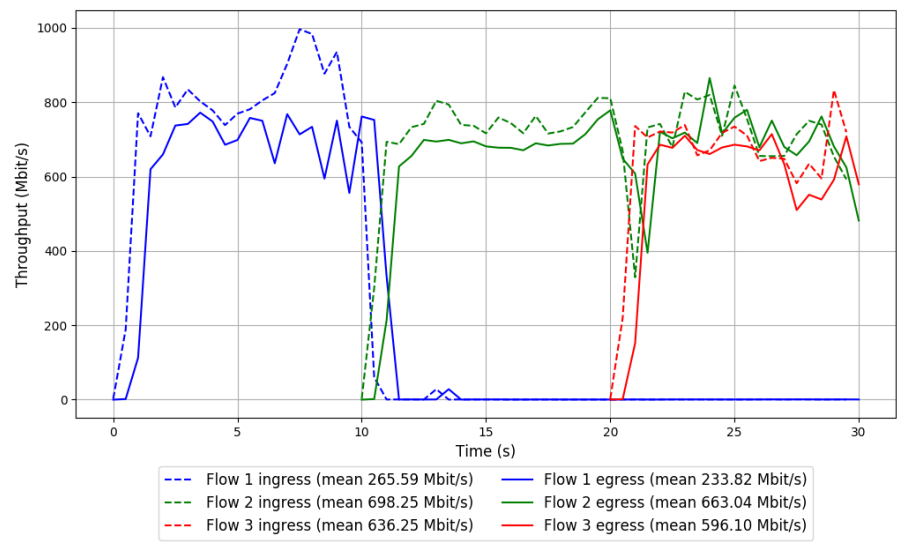
-- Flow 3:

Average throughput: 596.10 Mbit/s

95th percentile per-packet one-way delay: 187.995 ms

Loss rate: 7.15%

Run 1: Report of FillP-Sheep — Data Link

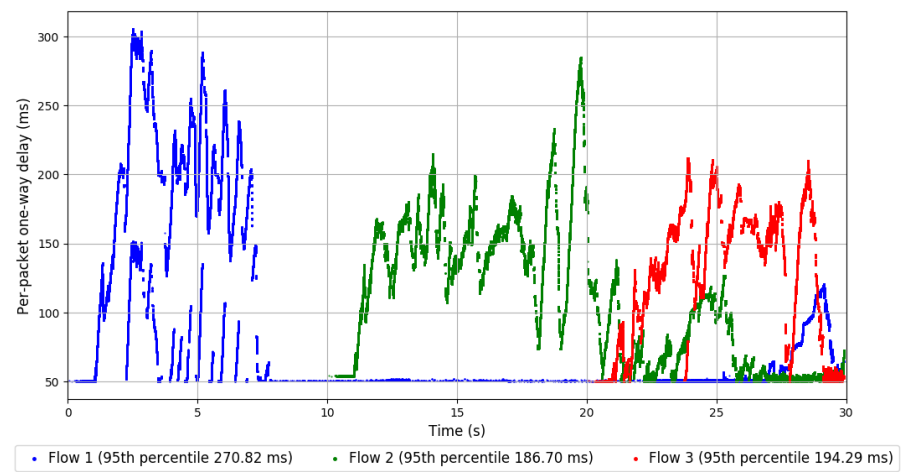
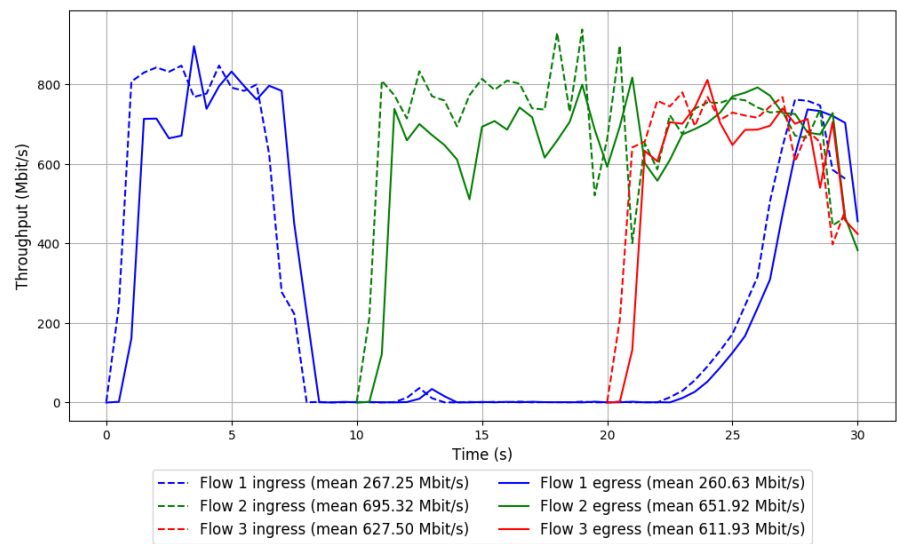


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-06 07:58:19
End at: 2018-07-06 07:58:49
Local clock offset: 0.034 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-06 12:57:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 895.50 Mbit/s
95th percentile per-packet one-way delay: 230.649 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 260.63 Mbit/s
95th percentile per-packet one-way delay: 270.820 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 651.92 Mbit/s
95th percentile per-packet one-way delay: 186.699 ms
Loss rate: 6.74%
-- Flow 3:
Average throughput: 611.93 Mbit/s
95th percentile per-packet one-way delay: 194.292 ms
Loss rate: 3.49%

Run 2: Report of FillP-Sheep — Data Link

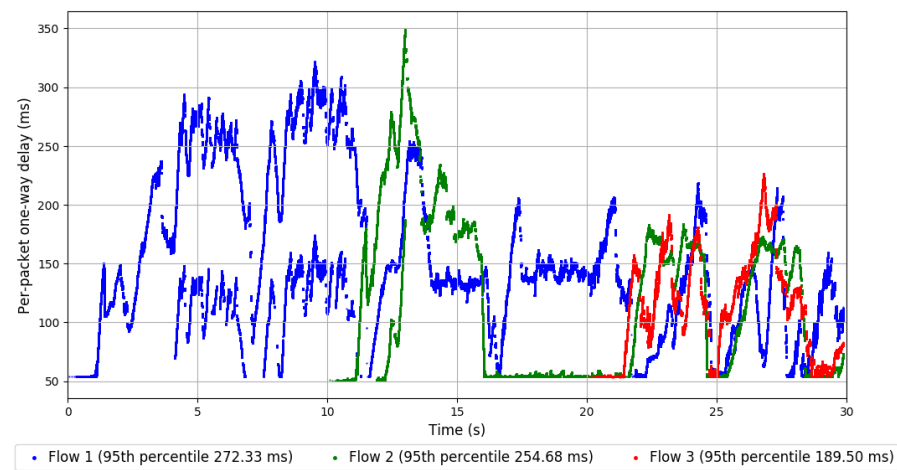
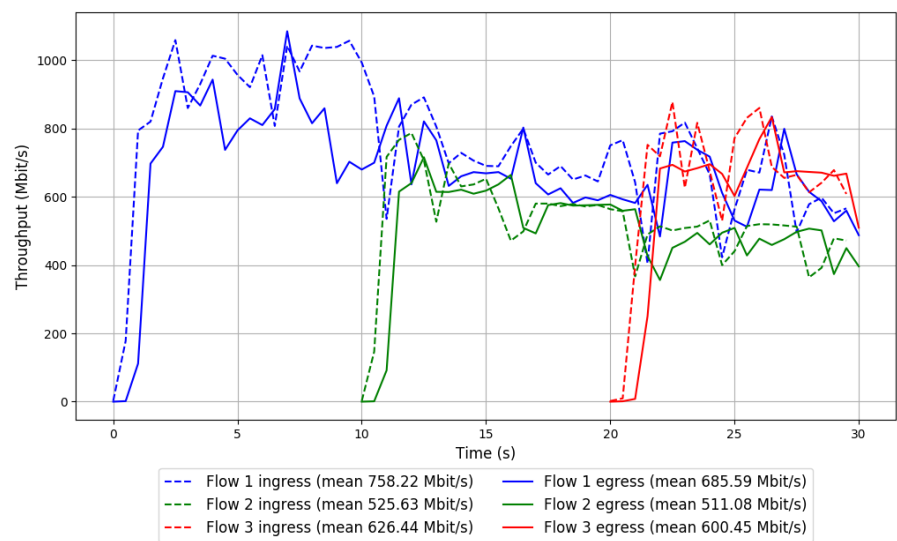


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-06 08:22:54
End at: 2018-07-06 08:23:24
Local clock offset: 0.147 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-07-06 12:57:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 1222.21 Mbit/s
95th percentile per-packet one-way delay: 266.248 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 685.59 Mbit/s
95th percentile per-packet one-way delay: 272.333 ms
Loss rate: 9.90%
-- Flow 2:
Average throughput: 511.08 Mbit/s
95th percentile per-packet one-way delay: 254.675 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 600.45 Mbit/s
95th percentile per-packet one-way delay: 189.501 ms
Loss rate: 5.18%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-06 08:47:41

End at: 2018-07-06 08:48:11

Local clock offset: 0.082 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-07-06 12:57:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 623.30 Mbit/s

95th percentile per-packet one-way delay: 286.476 ms

Loss rate: 11.16%

-- Flow 1:

Average throughput: 264.80 Mbit/s

95th percentile per-packet one-way delay: 285.107 ms

Loss rate: 6.35%

-- Flow 2:

Average throughput: 257.26 Mbit/s

95th percentile per-packet one-way delay: 274.868 ms

Loss rate: 12.29%

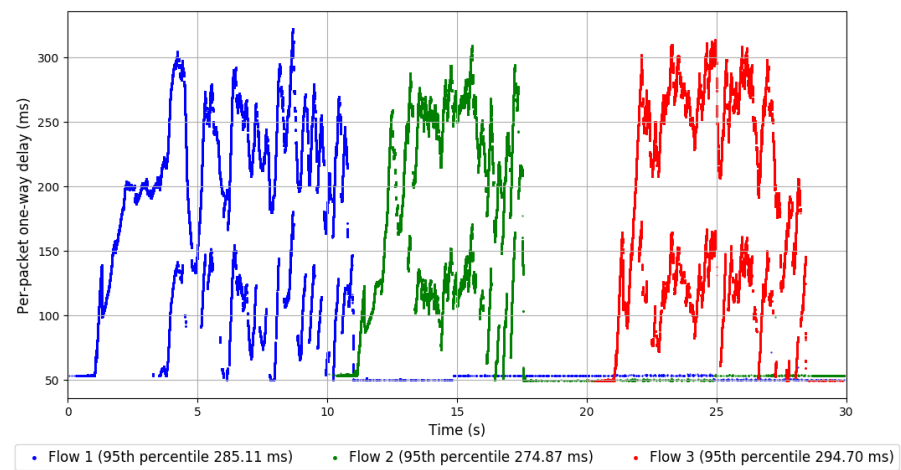
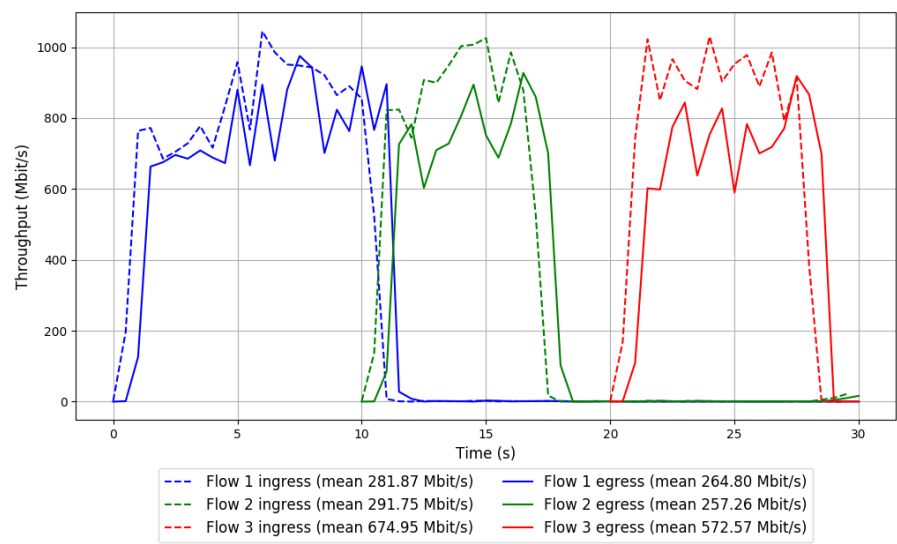
-- Flow 3:

Average throughput: 572.57 Mbit/s

95th percentile per-packet one-way delay: 294.696 ms

Loss rate: 16.25%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-06 09:12:17

End at: 2018-07-06 09:12:47

Local clock offset: -0.064 ms

Remote clock offset: 1.254 ms

Below is generated by plot.py at 2018-07-06 12:57:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1039.04 Mbit/s

95th percentile per-packet one-way delay: 253.736 ms

Loss rate: 2.67%

-- Flow 1:

Average throughput: 550.82 Mbit/s

95th percentile per-packet one-way delay: 259.659 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 478.13 Mbit/s

95th percentile per-packet one-way delay: 275.147 ms

Loss rate: 2.14%

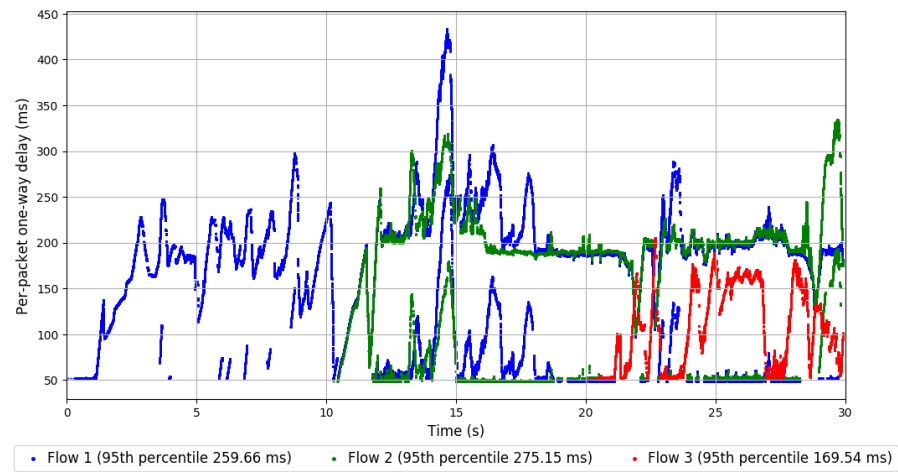
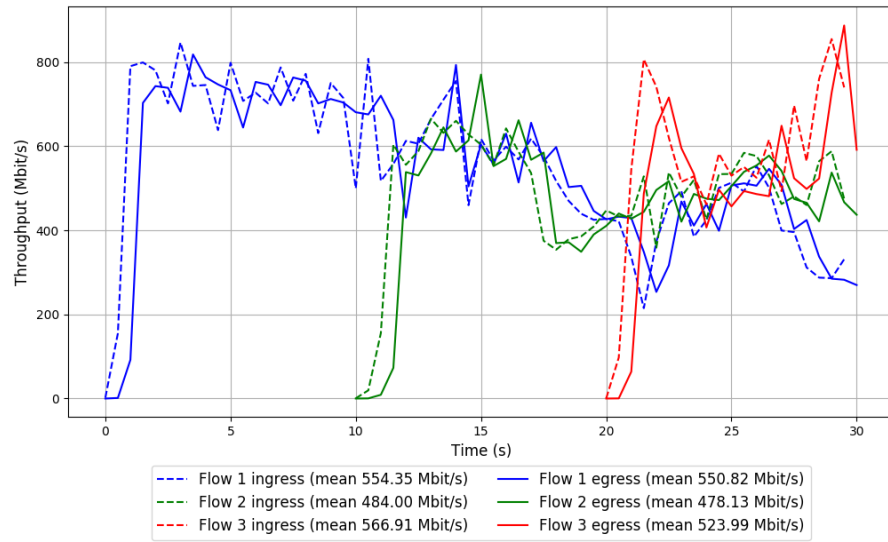
-- Flow 3:

Average throughput: 523.99 Mbit/s

95th percentile per-packet one-way delay: 169.536 ms

Loss rate: 8.58%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-06 09:36:45

End at: 2018-07-06 09:37:15

Local clock offset: -0.166 ms

Remote clock offset: 1.266 ms

Below is generated by plot.py at 2018-07-06 12:57:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1030.58 Mbit/s

95th percentile per-packet one-way delay: 234.395 ms

Loss rate: 5.42%

-- Flow 1:

Average throughput: 408.85 Mbit/s

95th percentile per-packet one-way delay: 245.382 ms

Loss rate: 3.26%

-- Flow 2:

Average throughput: 660.47 Mbit/s

95th percentile per-packet one-way delay: 185.264 ms

Loss rate: 6.79%

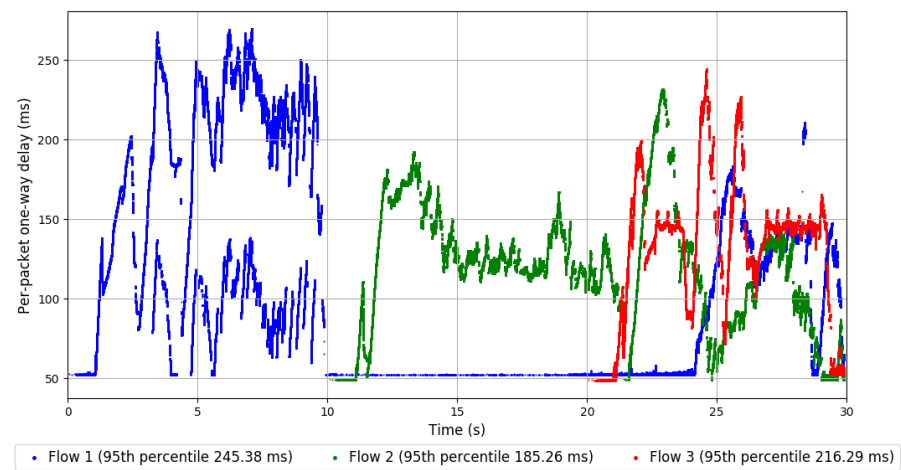
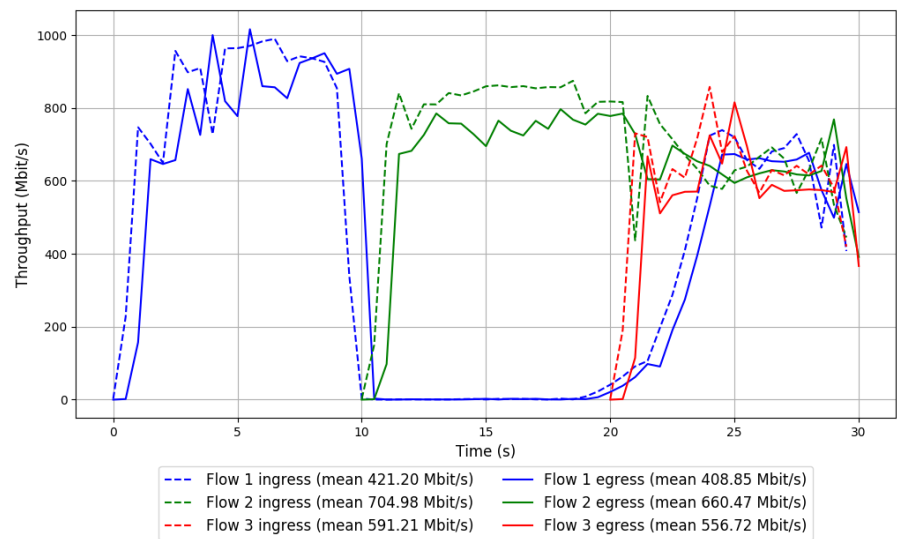
-- Flow 3:

Average throughput: 556.72 Mbit/s

95th percentile per-packet one-way delay: 216.286 ms

Loss rate: 6.79%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-06 10:01:15

End at: 2018-07-06 10:01:45

Local clock offset: -0.12 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-06 13:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1233.21 Mbit/s

95th percentile per-packet one-way delay: 221.458 ms

Loss rate: 6.87%

-- Flow 1:

Average throughput: 645.83 Mbit/s

95th percentile per-packet one-way delay: 232.120 ms

Loss rate: 7.07%

-- Flow 2:

Average throughput: 628.14 Mbit/s

95th percentile per-packet one-way delay: 172.993 ms

Loss rate: 5.75%

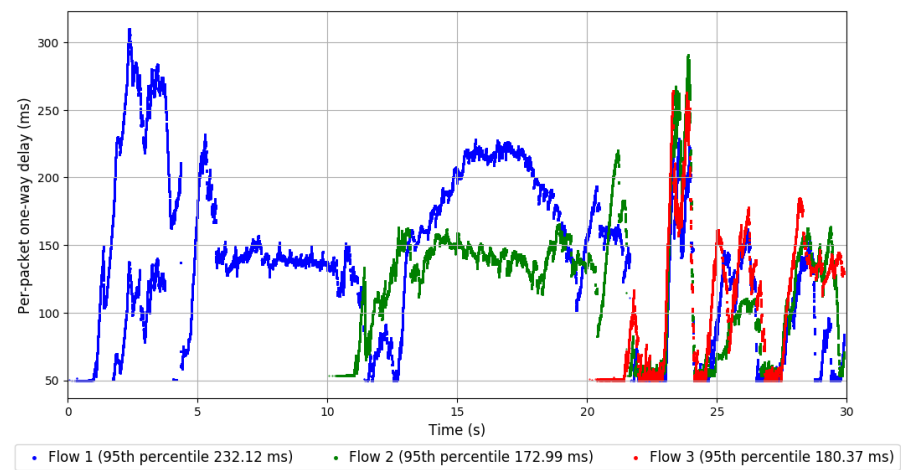
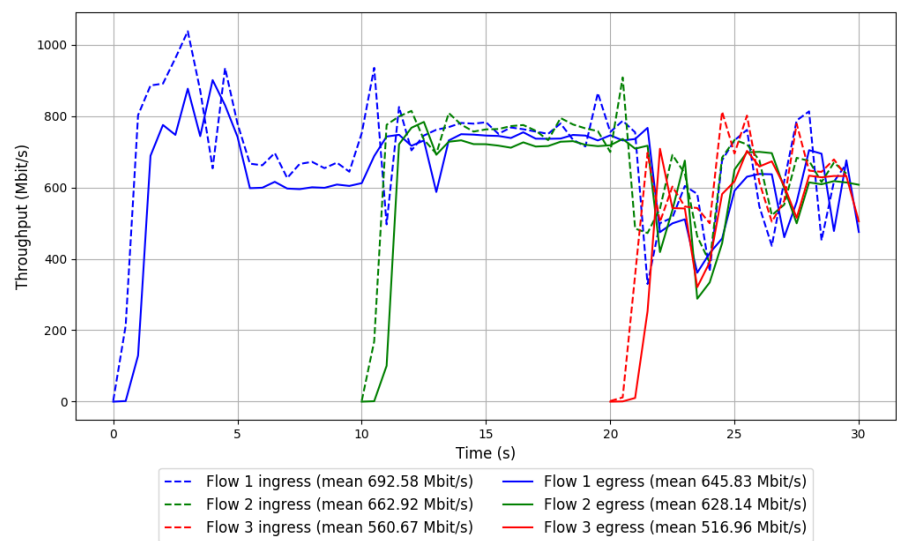
-- Flow 3:

Average throughput: 516.96 Mbit/s

95th percentile per-packet one-way delay: 180.367 ms

Loss rate: 8.79%

Run 7: Report of FillP-Sheep — Data Link

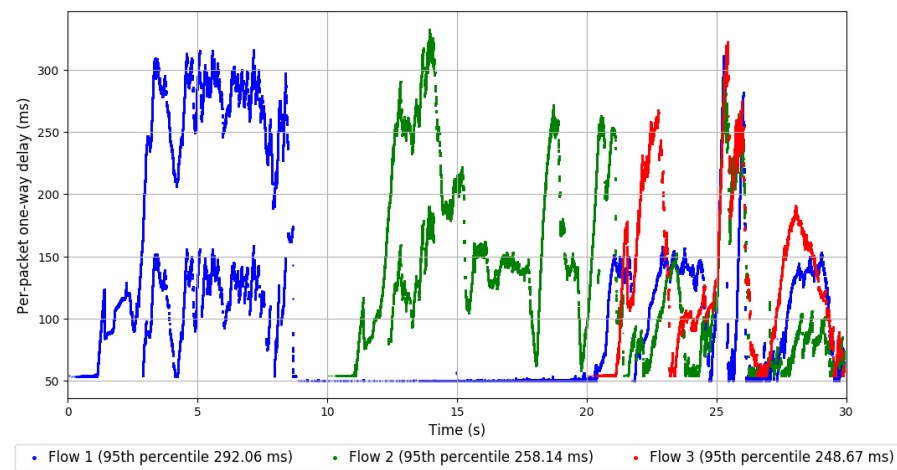
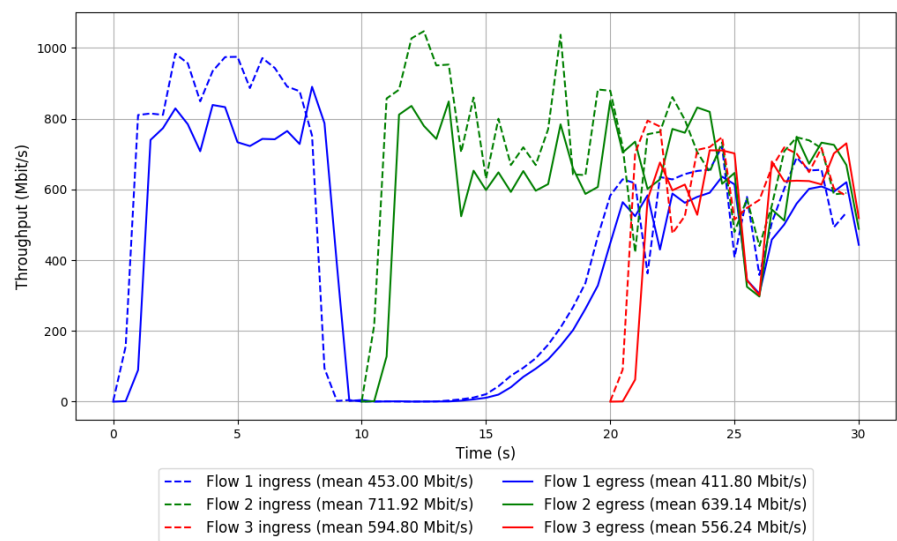


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-06 10:26:17
End at: 2018-07-06 10:26:47
Local clock offset: -0.087 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-06 13:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1019.59 Mbit/s
95th percentile per-packet one-way delay: 282.873 ms
Loss rate: 9.60%
-- Flow 1:
Average throughput: 411.80 Mbit/s
95th percentile per-packet one-way delay: 292.064 ms
Loss rate: 9.38%
-- Flow 2:
Average throughput: 639.14 Mbit/s
95th percentile per-packet one-way delay: 258.141 ms
Loss rate: 10.70%
-- Flow 3:
Average throughput: 556.24 Mbit/s
95th percentile per-packet one-way delay: 248.672 ms
Loss rate: 7.45%

Run 8: Report of FillP-Sheep — Data Link

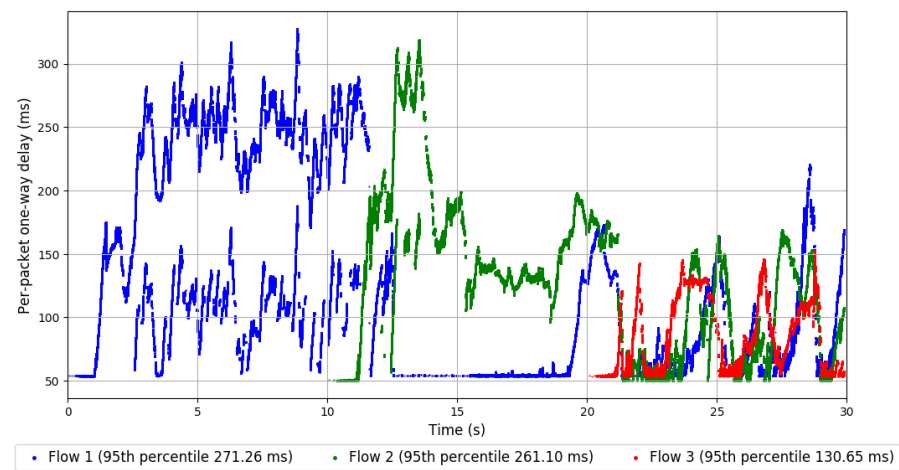
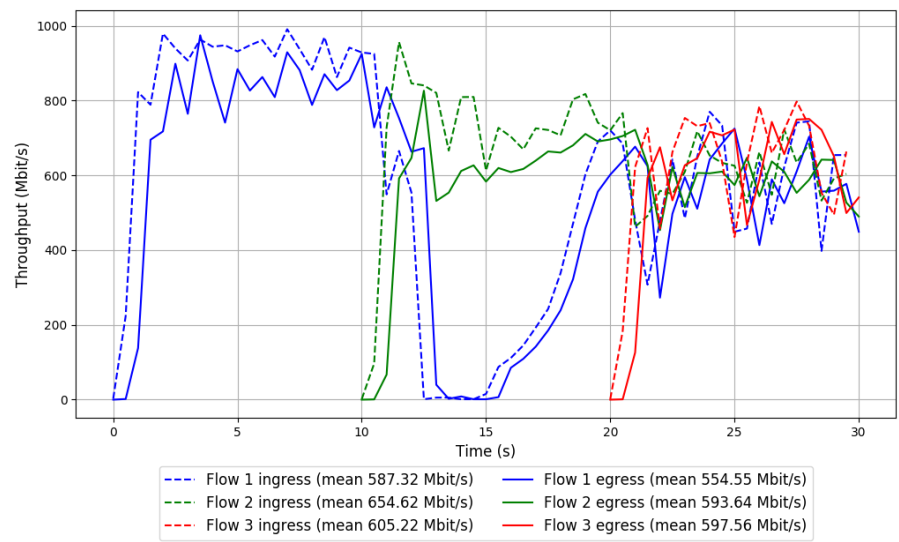


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-06 10:50:52
End at: 2018-07-06 10:51:22
Local clock offset: -0.269 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-06 13:16:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1145.44 Mbit/s
95th percentile per-packet one-way delay: 266.624 ms
Loss rate: 6.70%
-- Flow 1:
Average throughput: 554.55 Mbit/s
95th percentile per-packet one-way delay: 271.263 ms
Loss rate: 5.91%
-- Flow 2:
Average throughput: 593.64 Mbit/s
95th percentile per-packet one-way delay: 261.098 ms
Loss rate: 9.78%
-- Flow 3:
Average throughput: 597.56 Mbit/s
95th percentile per-packet one-way delay: 130.653 ms
Loss rate: 2.32%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-06 11:15:27

End at: 2018-07-06 11:15:57

Local clock offset: -0.108 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 1077.89 Mbit/s

95th percentile per-packet one-way delay: 271.412 ms

Loss rate: 5.73%

-- Flow 1:

Average throughput: 363.87 Mbit/s

95th percentile per-packet one-way delay: 288.514 ms

Loss rate: 6.47%

-- Flow 2:

Average throughput: 753.05 Mbit/s

95th percentile per-packet one-way delay: 251.836 ms

Loss rate: 6.33%

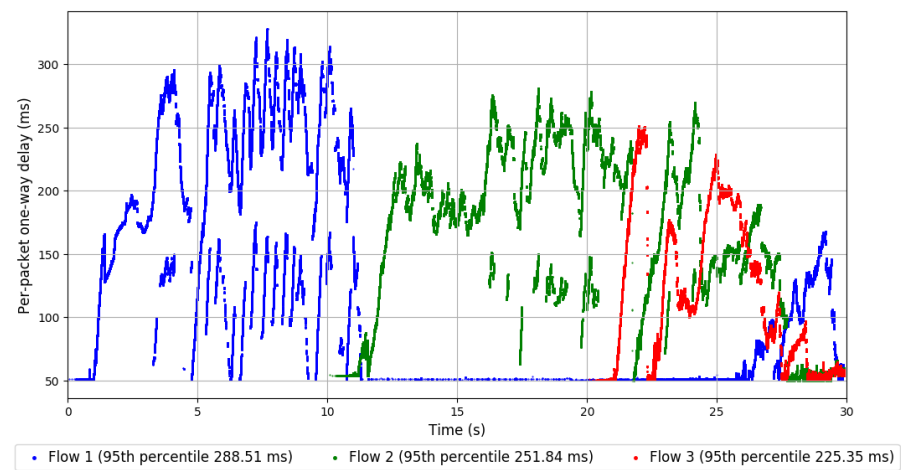
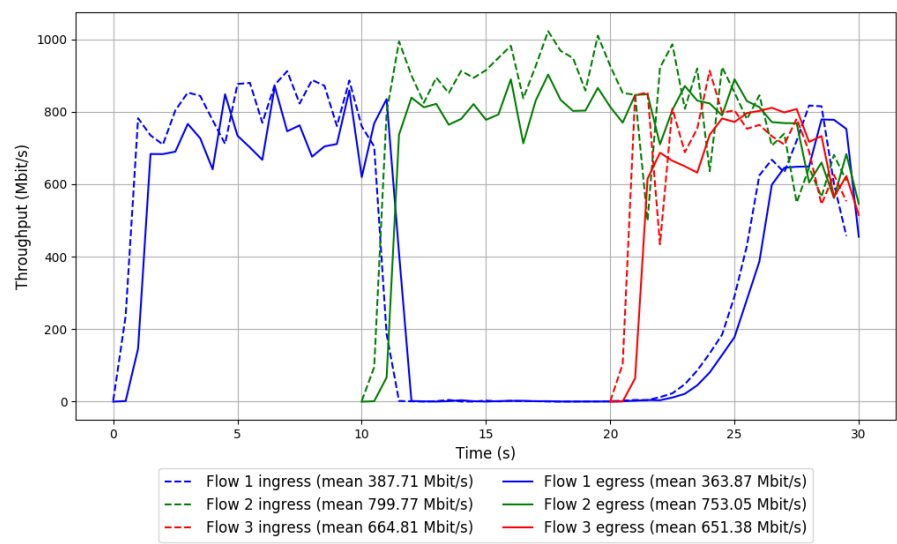
-- Flow 3:

Average throughput: 651.38 Mbit/s

95th percentile per-packet one-way delay: 225.354 ms

Loss rate: 2.94%

Run 10: Report of FillP-Sheep — Data Link

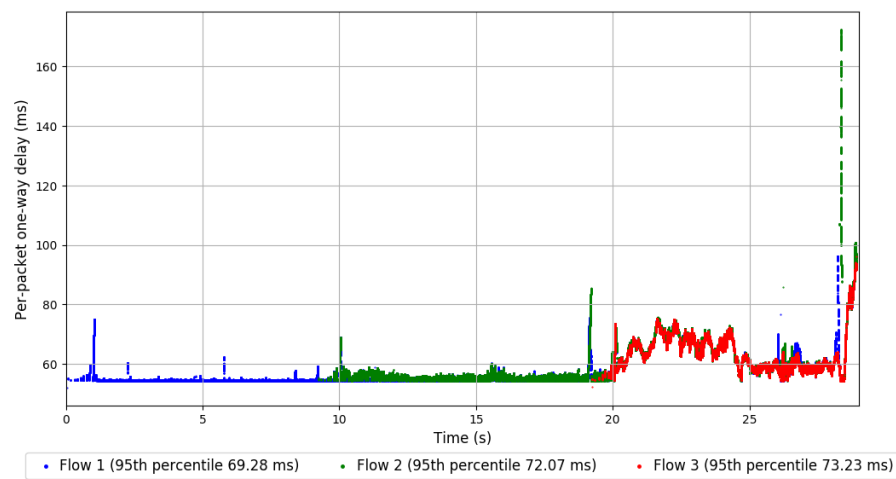
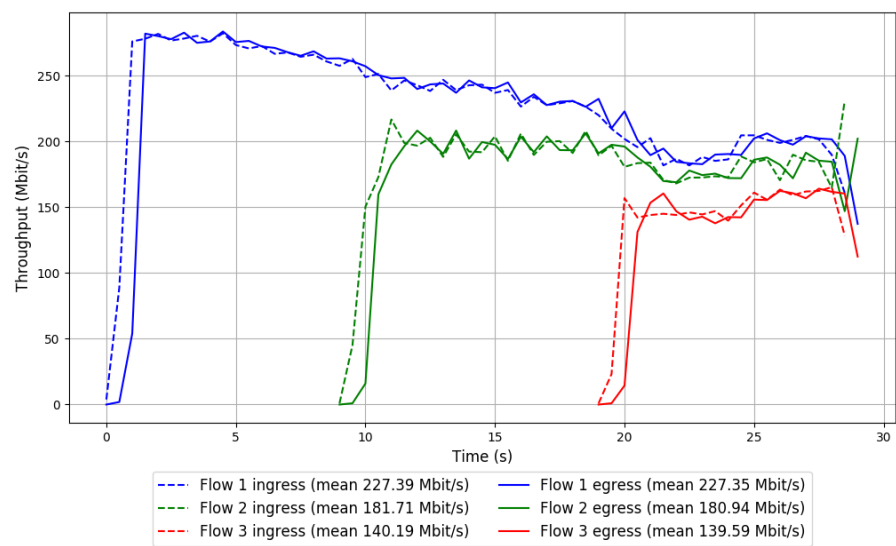


Run 1: Statistics of Indigo

Start at: 2018-07-06 07:28:26
End at: 2018-07-06 07:28:56
Local clock offset: 0.085 ms
Remote clock offset: -1.485 ms

Below is generated by plot.py at 2018-07-06 13:19:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 397.53 Mbit/s
95th percentile per-packet one-way delay: 70.883 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 227.35 Mbit/s
95th percentile per-packet one-way delay: 69.281 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 180.94 Mbit/s
95th percentile per-packet one-way delay: 72.072 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 139.59 Mbit/s
95th percentile per-packet one-way delay: 73.233 ms
Loss rate: 1.44%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-06 07:52:48

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

Local clock offset: 0.078 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.63 Mbit/s

95th percentile per-packet one-way delay: 72.380 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 214.38 Mbit/s

95th percentile per-packet one-way delay: 71.100 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 212.40 Mbit/s

95th percentile per-packet one-way delay: 72.636 ms

Loss rate: 0.53%

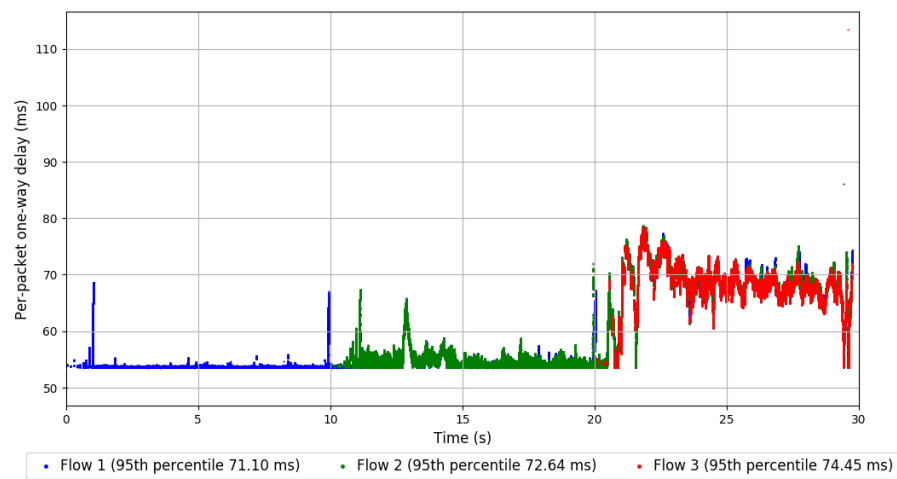
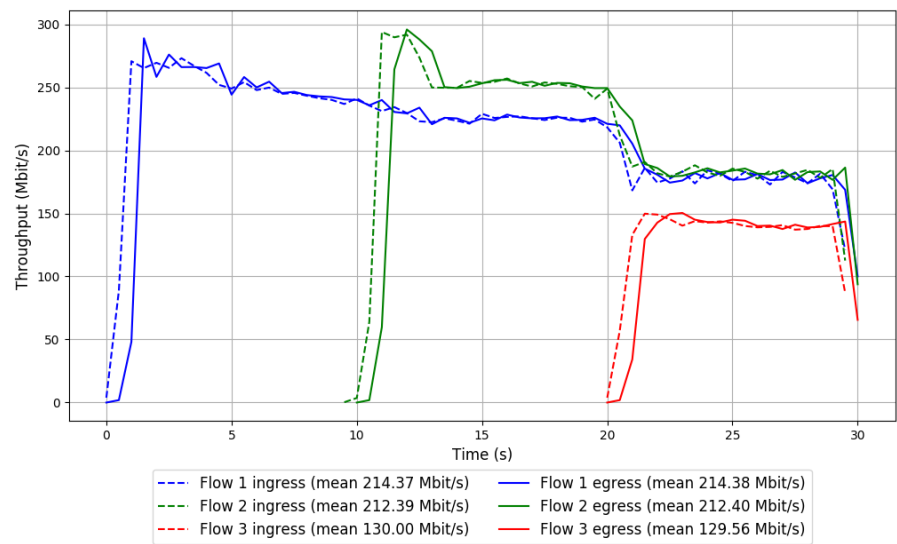
-- Flow 3:

Average throughput: 129.56 Mbit/s

95th percentile per-packet one-way delay: 74.450 ms

Loss rate: 1.38%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-06 08:17:19

End at: 2018-07-06 08:17:49

Local clock offset: 0.101 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.09 Mbit/s

95th percentile per-packet one-way delay: 72.303 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 200.71 Mbit/s

95th percentile per-packet one-way delay: 71.243 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 211.37 Mbit/s

95th percentile per-packet one-way delay: 72.520 ms

Loss rate: 0.50%

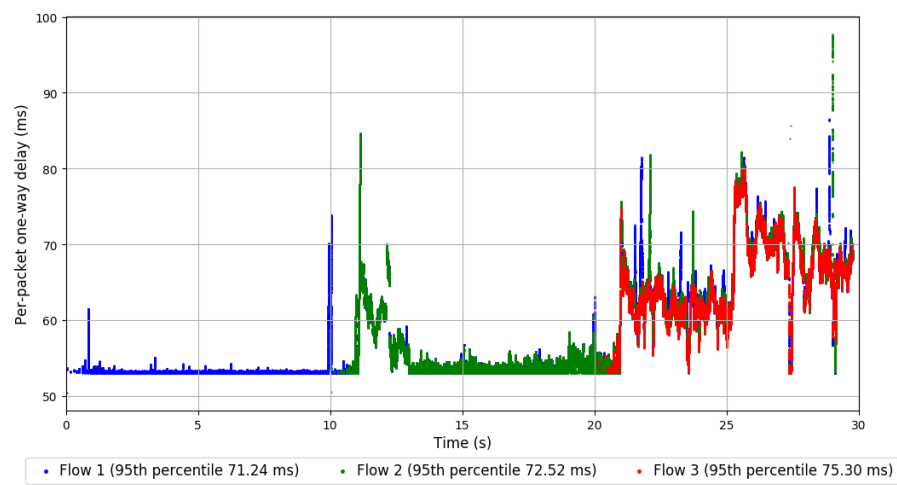
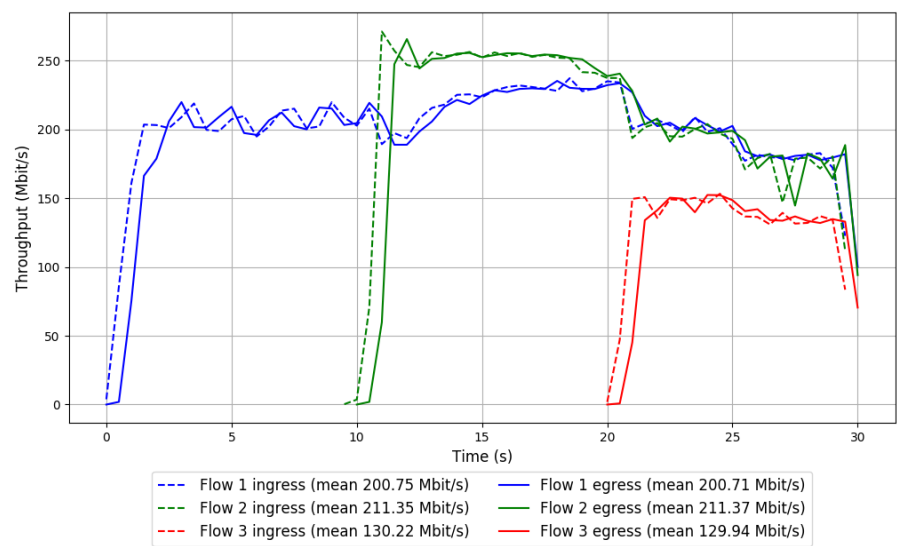
-- Flow 3:

Average throughput: 129.94 Mbit/s

95th percentile per-packet one-way delay: 75.297 ms

Loss rate: 1.26%

Run 3: Report of Indigo — Data Link

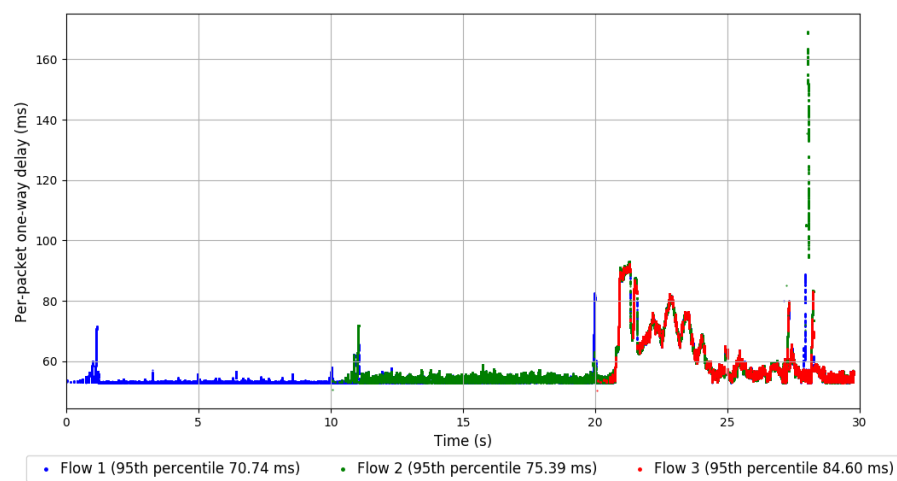
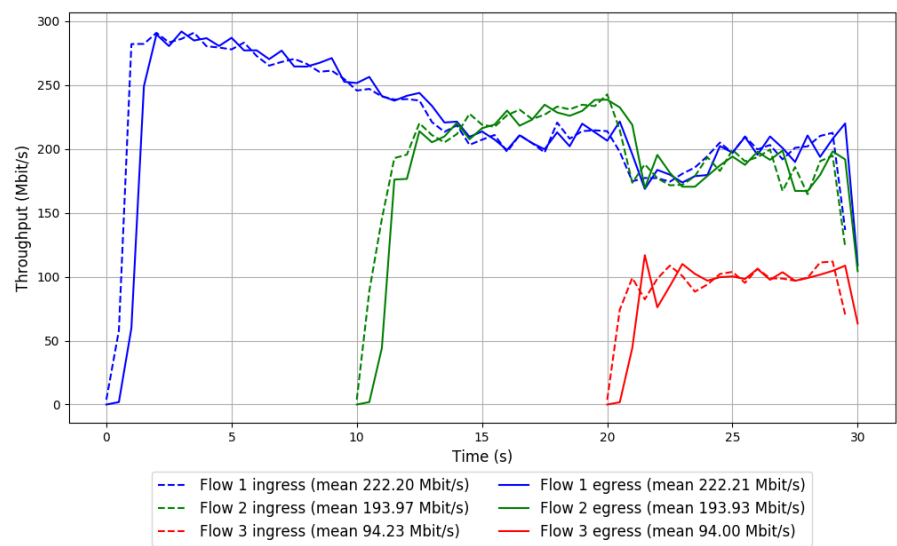


Run 4: Statistics of Indigo

Start at: 2018-07-06 08:42:06
End at: 2018-07-06 08:42:36
Local clock offset: -0.033 ms
Remote clock offset: -0.016 ms

```
# Below is generated by plot.py at 2018-07-06 13:19:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.38 Mbit/s
95th percentile per-packet one-way delay: 74.359 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 222.21 Mbit/s
95th percentile per-packet one-way delay: 70.741 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 193.93 Mbit/s
95th percentile per-packet one-way delay: 75.393 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 84.602 ms
Loss rate: 1.27%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-06 09:06:52

End at: 2018-07-06 09:07:22

Local clock offset: 0.042 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.70 Mbit/s

95th percentile per-packet one-way delay: 67.870 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 213.90 Mbit/s

95th percentile per-packet one-way delay: 67.057 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 179.73 Mbit/s

95th percentile per-packet one-way delay: 67.833 ms

Loss rate: 0.56%

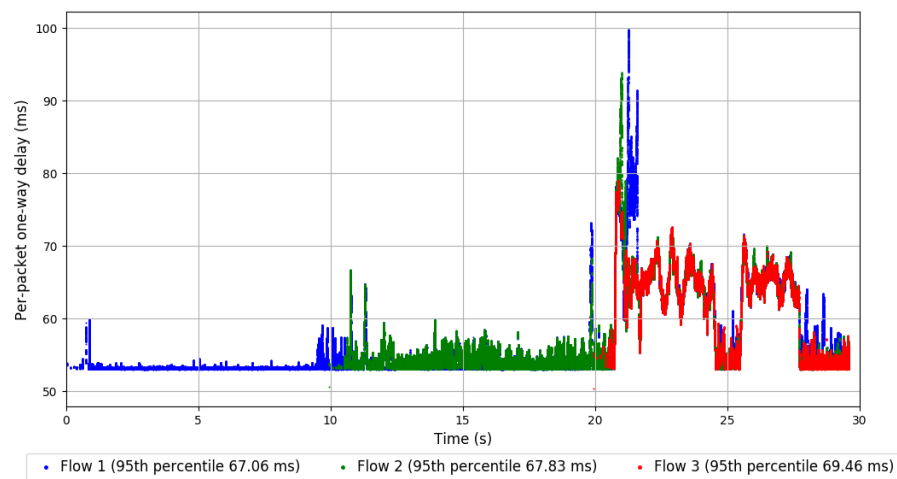
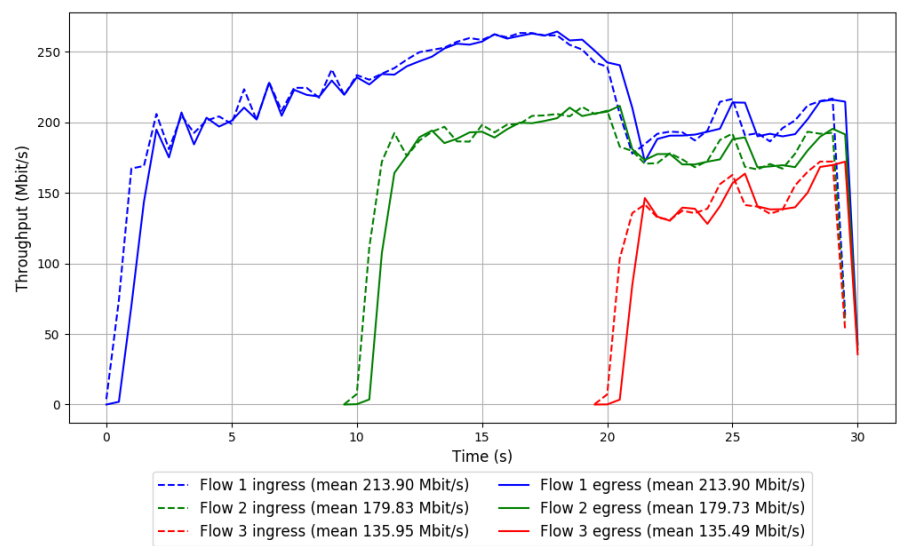
-- Flow 3:

Average throughput: 135.49 Mbit/s

95th percentile per-packet one-way delay: 69.456 ms

Loss rate: 1.37%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-06 09:31:13

End at: 2018-07-06 09:31:43

Local clock offset: 0.078 ms

Remote clock offset: 1.403 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.67 Mbit/s

95th percentile per-packet one-way delay: 63.453 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 223.07 Mbit/s

95th percentile per-packet one-way delay: 63.025 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 196.89 Mbit/s

95th percentile per-packet one-way delay: 63.581 ms

Loss rate: 0.58%

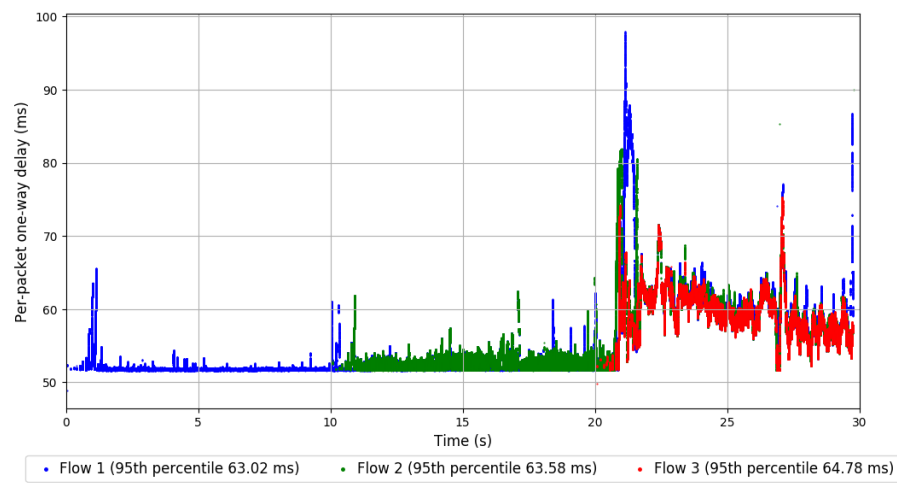
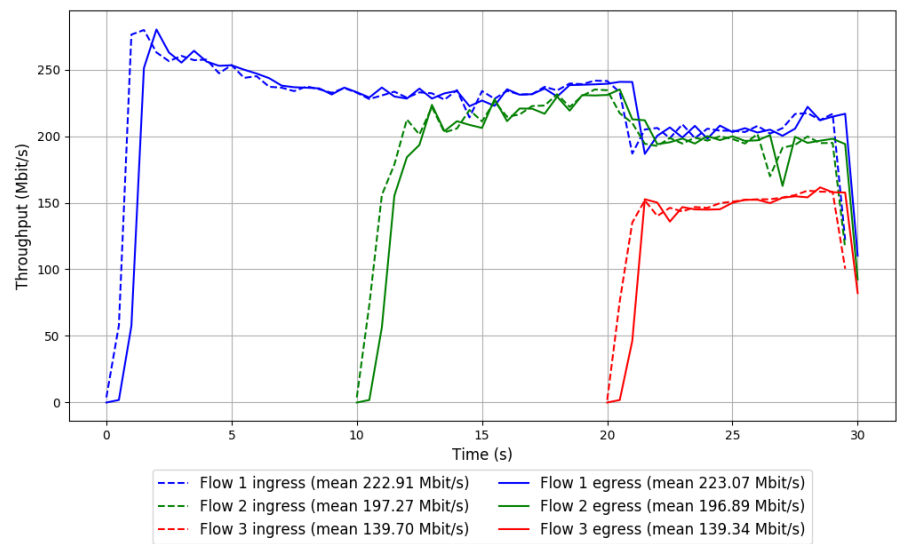
-- Flow 3:

Average throughput: 139.34 Mbit/s

95th percentile per-packet one-way delay: 64.784 ms

Loss rate: 1.33%

Run 6: Report of Indigo — Data Link

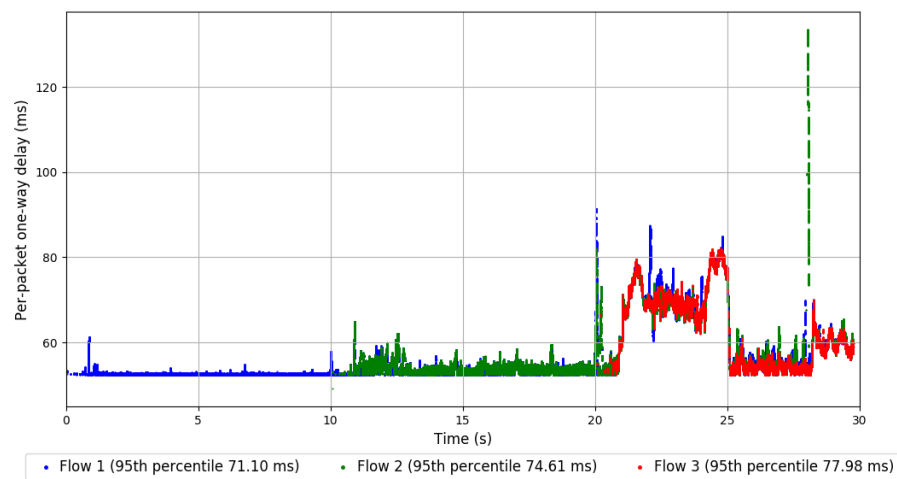
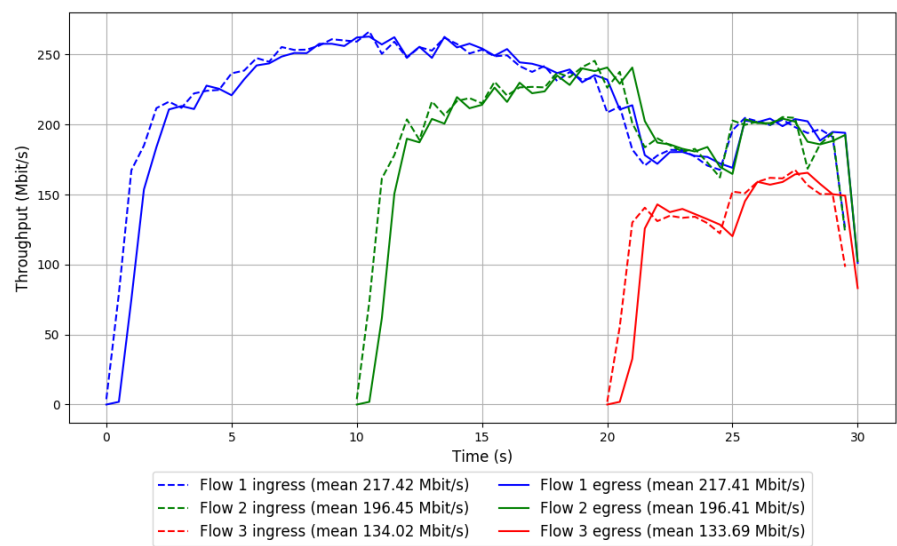


Run 7: Statistics of Indigo

Start at: 2018-07-06 09:55:49
End at: 2018-07-06 09:56:19
Local clock offset: -0.127 ms
Remote clock offset: 1.077 ms

Below is generated by plot.py at 2018-07-06 13:19:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.20 Mbit/s
95th percentile per-packet one-way delay: 73.973 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 217.41 Mbit/s
95th percentile per-packet one-way delay: 71.101 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 196.41 Mbit/s
95th percentile per-packet one-way delay: 74.614 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 133.69 Mbit/s
95th percentile per-packet one-way delay: 77.984 ms
Loss rate: 1.30%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-06 10:20:48

End at: 2018-07-06 10:21:18

Local clock offset: -0.119 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 391.23 Mbit/s

95th percentile per-packet one-way delay: 69.132 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 208.31 Mbit/s

95th percentile per-packet one-way delay: 68.658 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 211.73 Mbit/s

95th percentile per-packet one-way delay: 69.155 ms

Loss rate: 0.49%

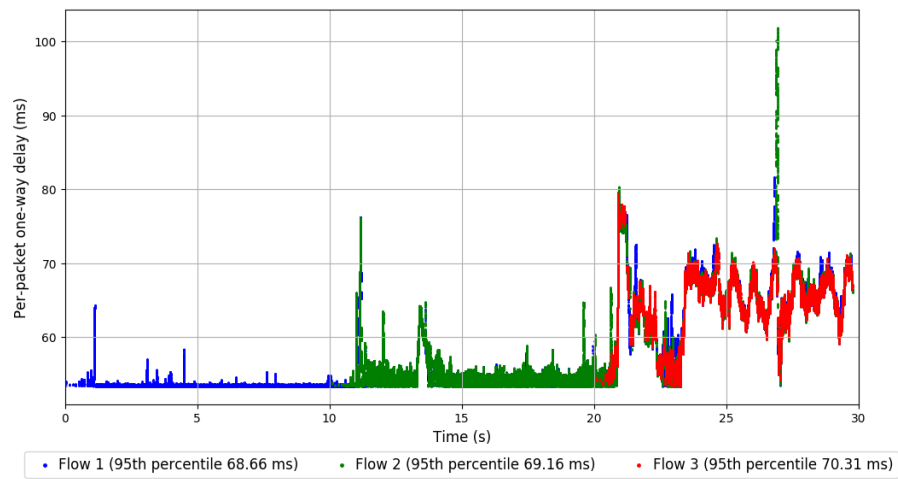
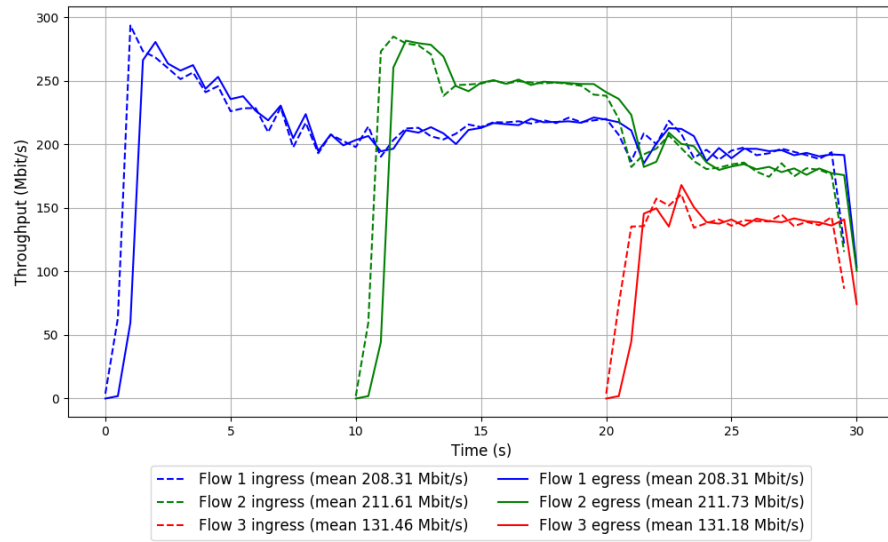
-- Flow 3:

Average throughput: 131.18 Mbit/s

95th percentile per-packet one-way delay: 70.305 ms

Loss rate: 1.25%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-06 10:45:22

End at: 2018-07-06 10:45:52

Local clock offset: -0.176 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.05 Mbit/s

95th percentile per-packet one-way delay: 69.663 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 222.42 Mbit/s

95th percentile per-packet one-way delay: 68.233 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 190.81 Mbit/s

95th percentile per-packet one-way delay: 70.222 ms

Loss rate: 0.58%

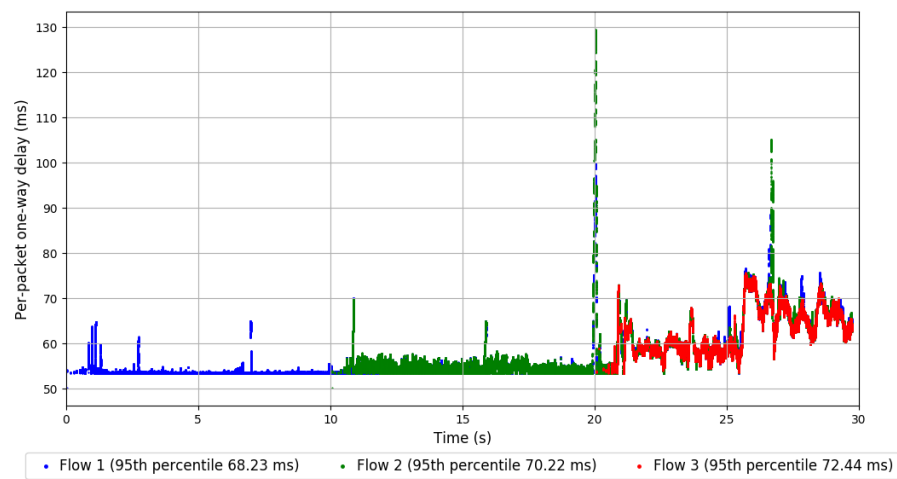
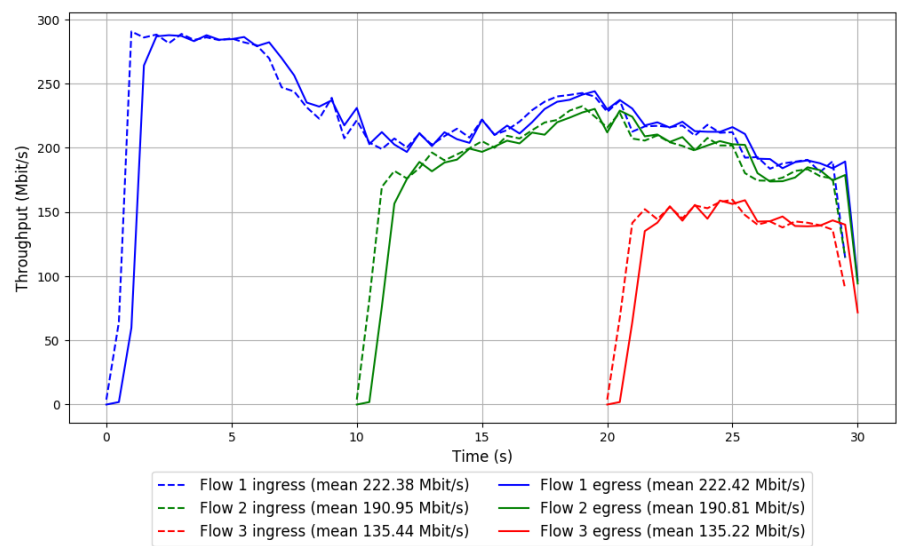
-- Flow 3:

Average throughput: 135.22 Mbit/s

95th percentile per-packet one-way delay: 72.442 ms

Loss rate: 1.22%

Run 9: Report of Indigo — Data Link

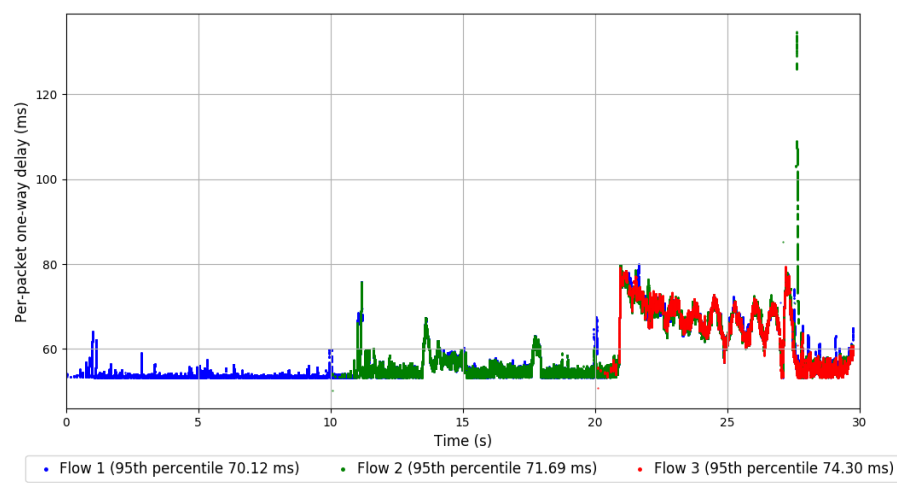
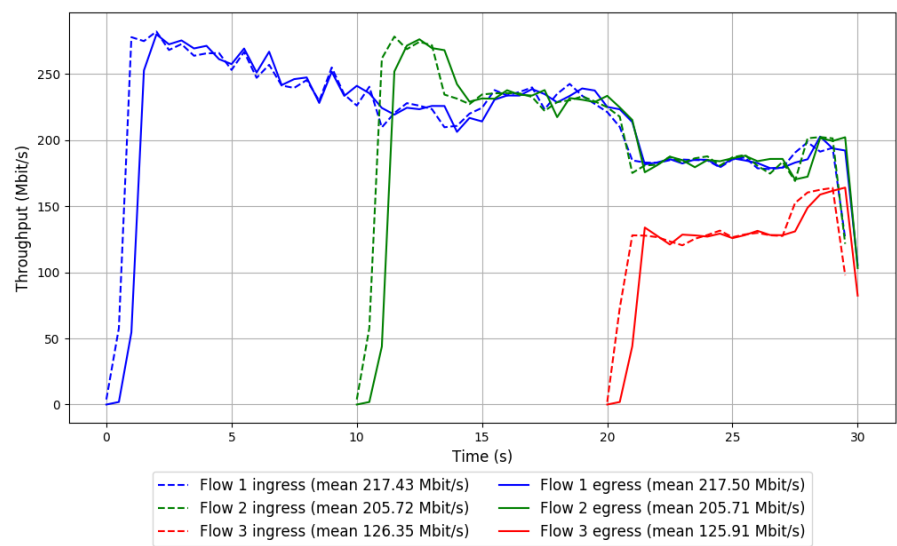


Run 10: Statistics of Indigo

Start at: 2018-07-06 11:09:50
End at: 2018-07-06 11:10:20
Local clock offset: -0.323 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-06 13:19:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.78 Mbit/s
95th percentile per-packet one-way delay: 71.427 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 217.50 Mbit/s
95th percentile per-packet one-way delay: 70.125 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 205.71 Mbit/s
95th percentile per-packet one-way delay: 71.691 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 125.91 Mbit/s
95th percentile per-packet one-way delay: 74.301 ms
Loss rate: 1.38%

Run 10: Report of Indigo — Data Link

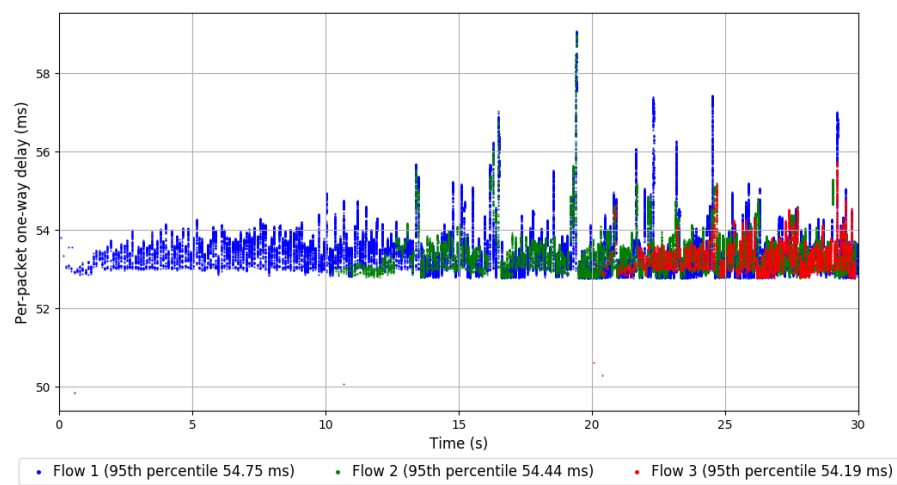
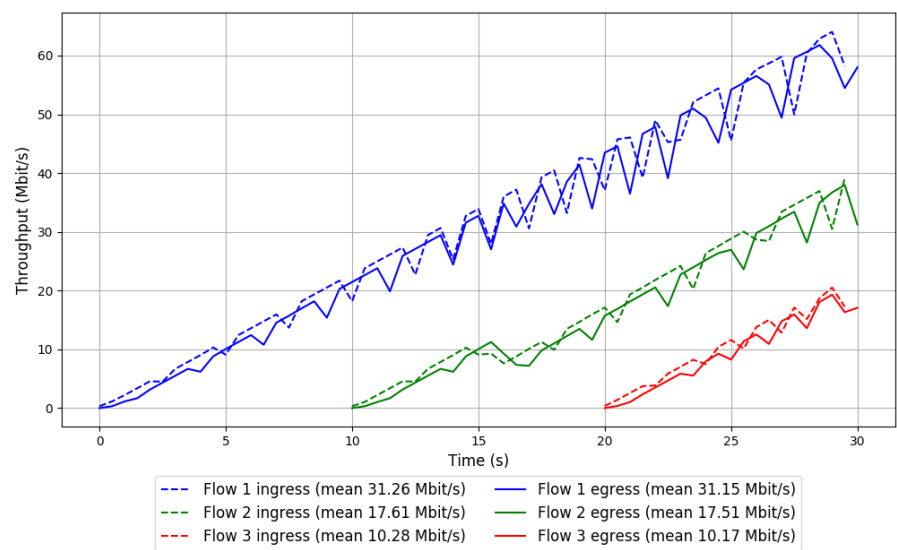


Run 1: Statistics of LEDBAT

Start at: 2018-07-06 07:15:16
End at: 2018-07-06 07:15:46
Local clock offset: -0.064 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-06 13:19:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 54.629 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 54.747 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 54.443 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 54.192 ms
Loss rate: 2.16%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-06 07:39:42

End at: 2018-07-06 07:40:12

Local clock offset: -0.06 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.37 Mbit/s

95th percentile per-packet one-way delay: 55.581 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 55.812 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 21.08 Mbit/s

95th percentile per-packet one-way delay: 55.042 ms

Loss rate: 1.06%

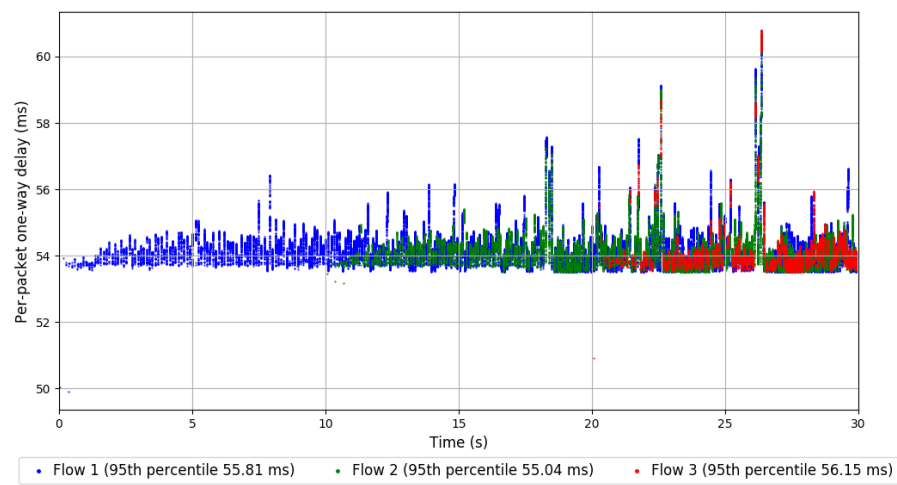
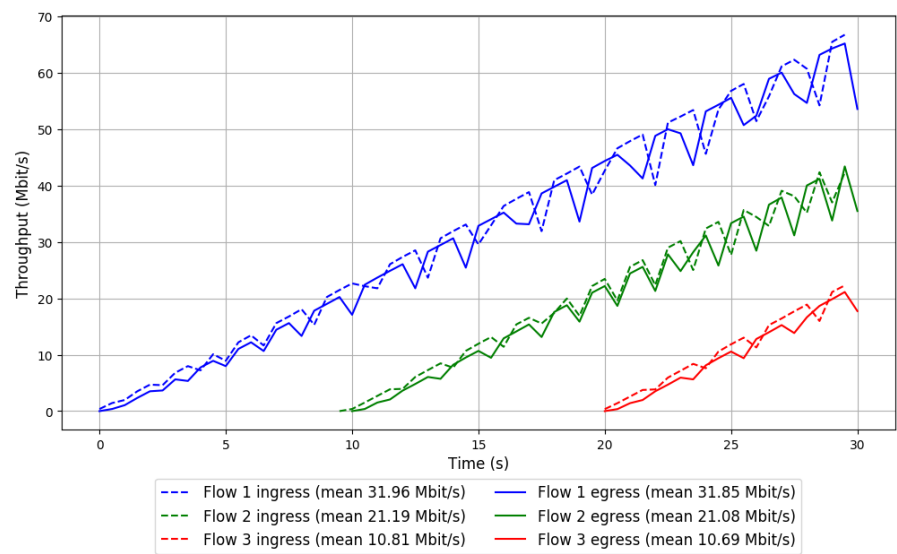
-- Flow 3:

Average throughput: 10.69 Mbit/s

95th percentile per-packet one-way delay: 56.147 ms

Loss rate: 2.11%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-06 08:04:10

End at: 2018-07-06 08:04:40

Local clock offset: 0.156 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.76 Mbit/s

95th percentile per-packet one-way delay: 55.853 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 31.54 Mbit/s

95th percentile per-packet one-way delay: 56.092 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 20.58 Mbit/s

95th percentile per-packet one-way delay: 55.560 ms

Loss rate: 1.08%

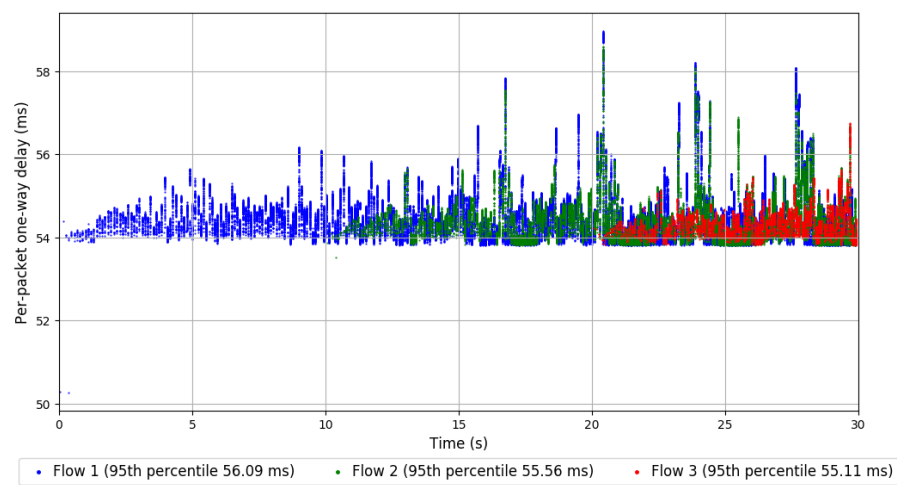
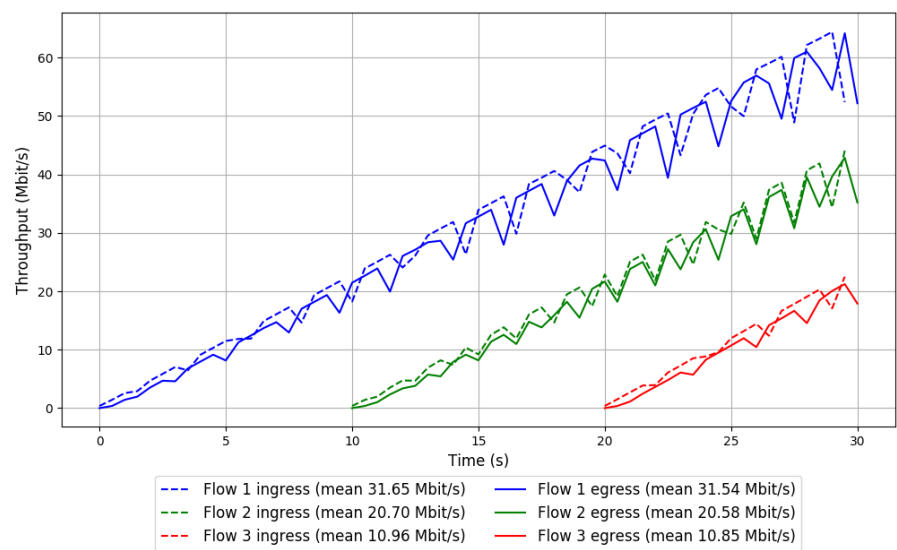
-- Flow 3:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 55.112 ms

Loss rate: 2.11%

Run 3: Report of LEDBAT — Data Link

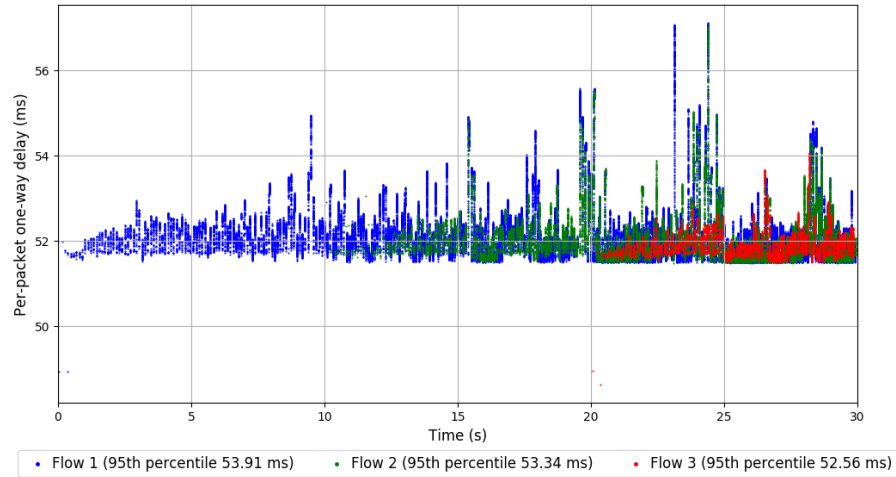
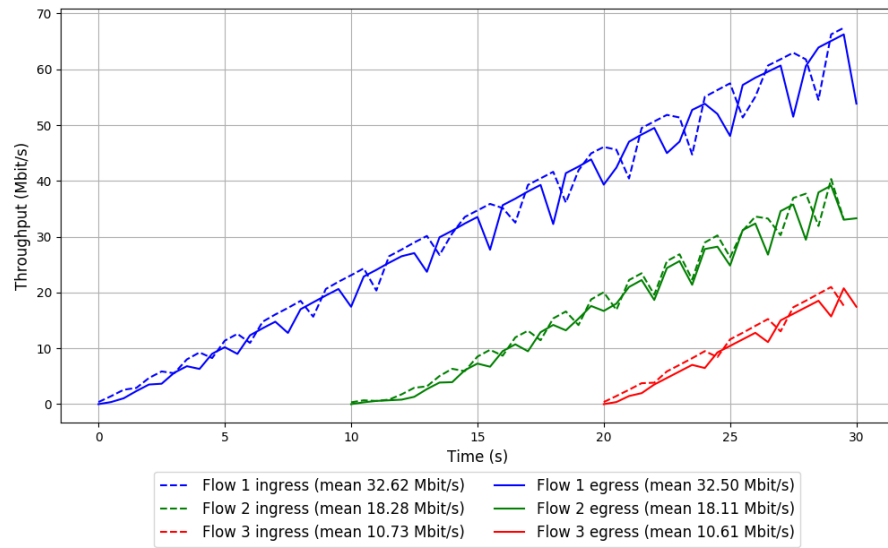


Run 4: Statistics of LEDBAT

Start at: 2018-07-06 08:29:03
End at: 2018-07-06 08:29:33
Local clock offset: -0.134 ms
Remote clock offset: 1.244 ms

Below is generated by plot.py at 2018-07-06 13:19:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 53.646 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 53.915 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 53.340 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 52.562 ms
Loss rate: 2.11%

Run 4: Report of LEDBAT — Data Link

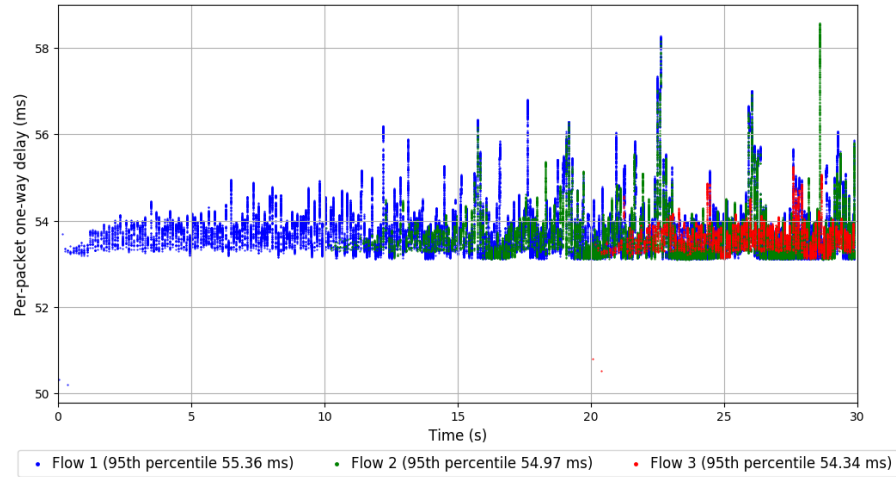
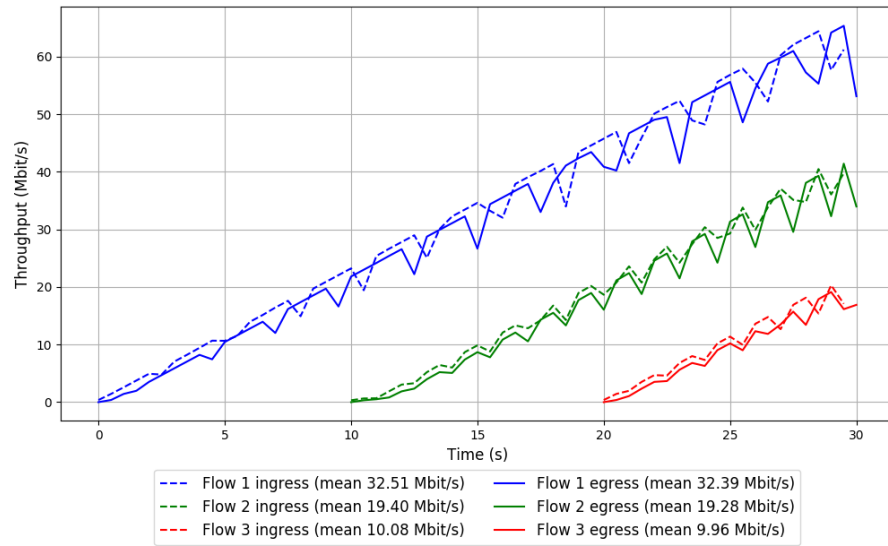


Run 5: Statistics of LEDBAT

Start at: 2018-07-06 08:53:44
End at: 2018-07-06 08:54:14
Local clock offset: 0.121 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-06 13:19:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 55.218 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 55.362 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 19.28 Mbit/s
95th percentile per-packet one-way delay: 54.973 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 54.343 ms
Loss rate: 2.18%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-06 09:18:08

End at: 2018-07-06 09:18:38

Local clock offset: 0.051 ms

Remote clock offset: 1.069 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.34 Mbit/s

95th percentile per-packet one-way delay: 53.910 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 20.85 Mbit/s

95th percentile per-packet one-way delay: 54.102 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 21.36 Mbit/s

95th percentile per-packet one-way delay: 53.745 ms

Loss rate: 1.06%

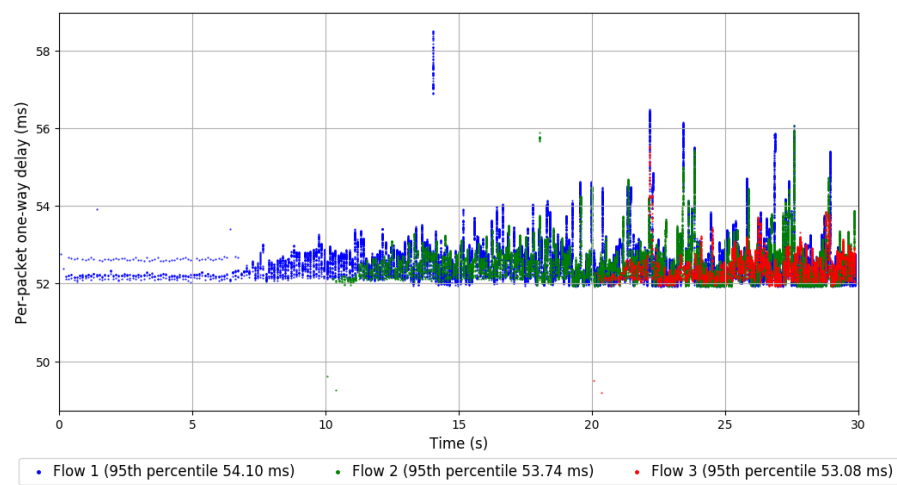
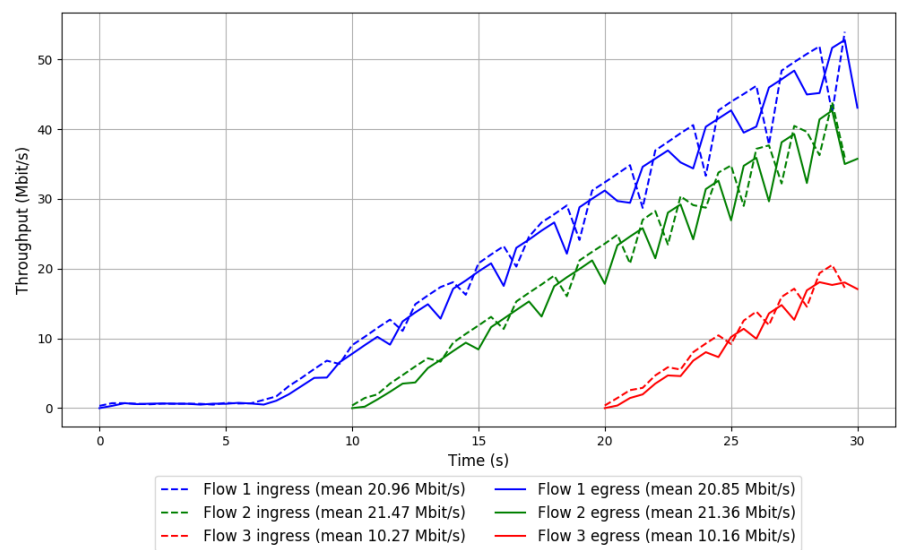
-- Flow 3:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 53.081 ms

Loss rate: 2.16%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-06 09:42:37

End at: 2018-07-06 09:43:07

Local clock offset: -0.144 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 55.026 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 32.36 Mbit/s

95th percentile per-packet one-way delay: 55.114 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 20.23 Mbit/s

95th percentile per-packet one-way delay: 54.934 ms

Loss rate: 0.96%

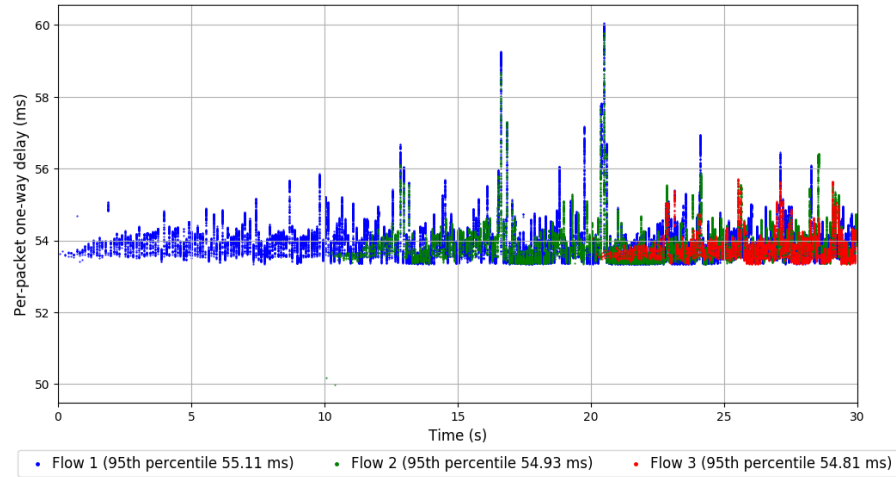
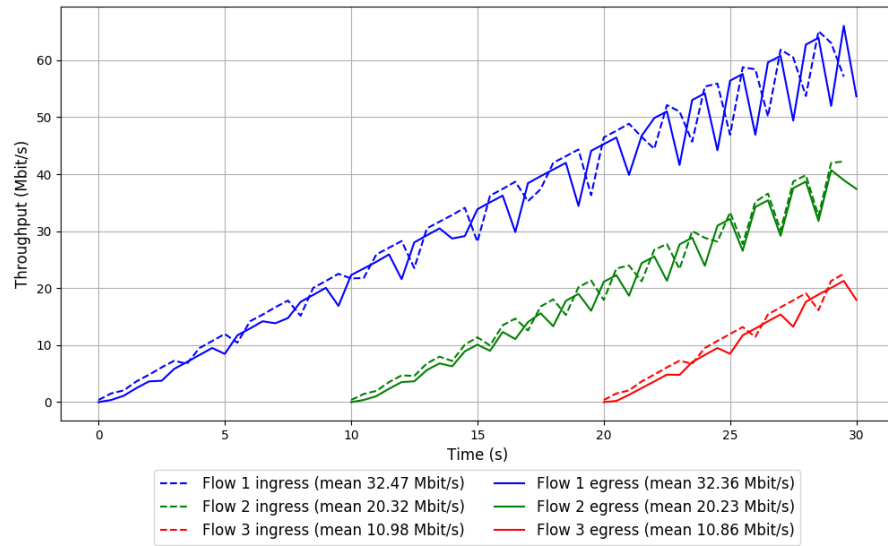
-- Flow 3:

Average throughput: 10.86 Mbit/s

95th percentile per-packet one-way delay: 54.815 ms

Loss rate: 2.11%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-06 10:07:29

End at: 2018-07-06 10:07:59

Local clock offset: -0.033 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.50 Mbit/s

95th percentile per-packet one-way delay: 55.042 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 55.100 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 20.72 Mbit/s

95th percentile per-packet one-way delay: 54.846 ms

Loss rate: 1.06%

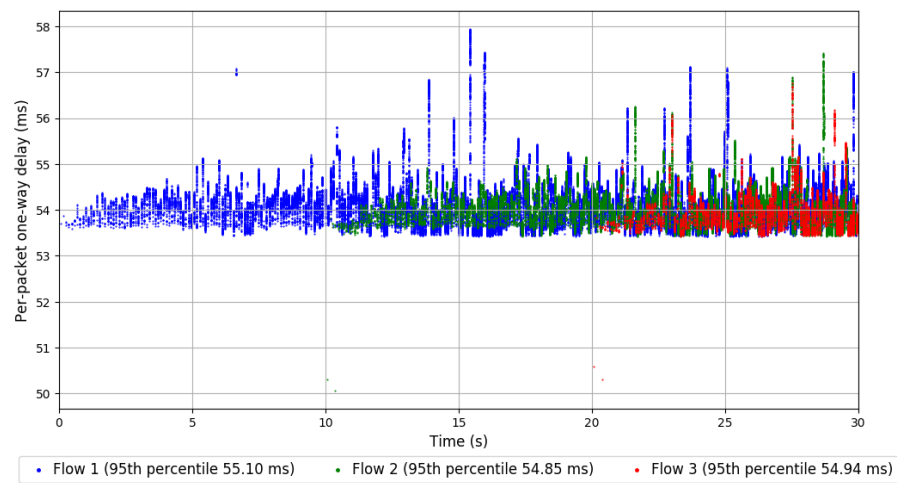
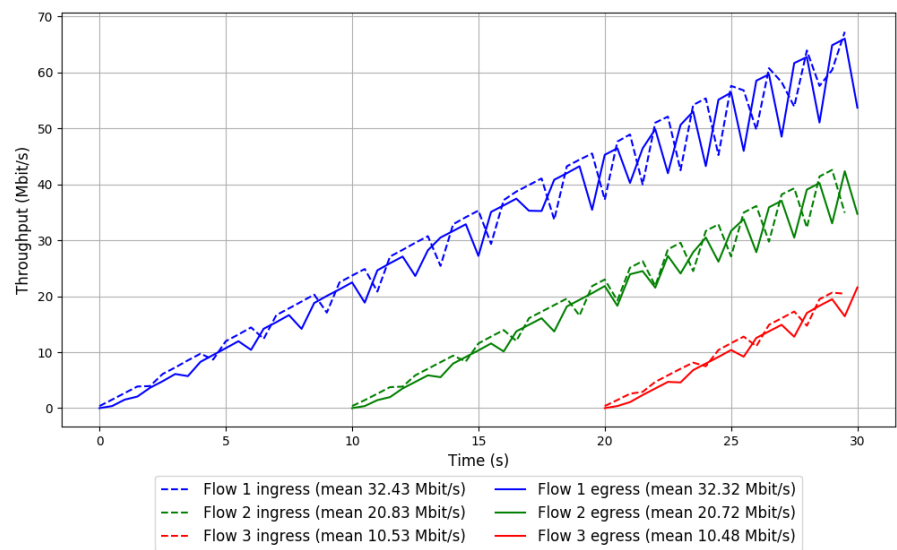
-- Flow 3:

Average throughput: 10.48 Mbit/s

95th percentile per-packet one-way delay: 54.940 ms

Loss rate: 1.48%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-06 10:32:12

End at: 2018-07-06 10:32:42

Local clock offset: -0.026 ms

Remote clock offset: 1.251 ms

Below is generated by plot.py at 2018-07-06 13:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.38 Mbit/s

95th percentile per-packet one-way delay: 54.575 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 29.05 Mbit/s

95th percentile per-packet one-way delay: 54.701 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 21.18 Mbit/s

95th percentile per-packet one-way delay: 54.421 ms

Loss rate: 1.06%

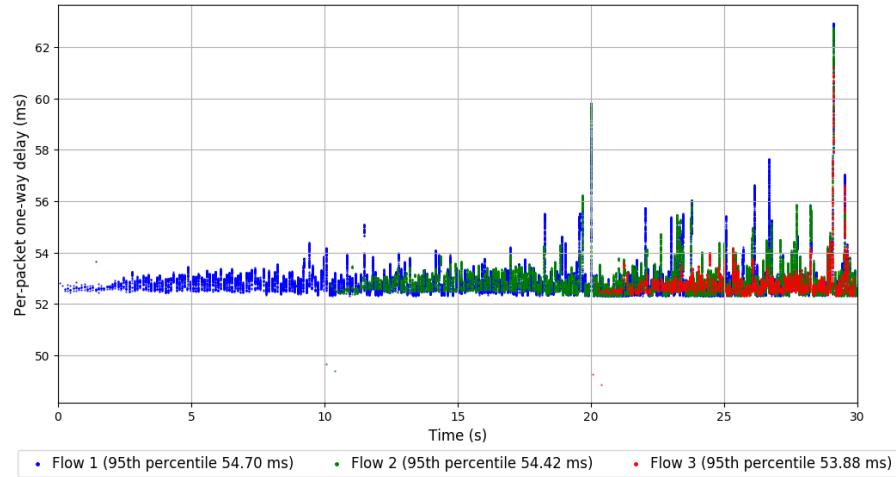
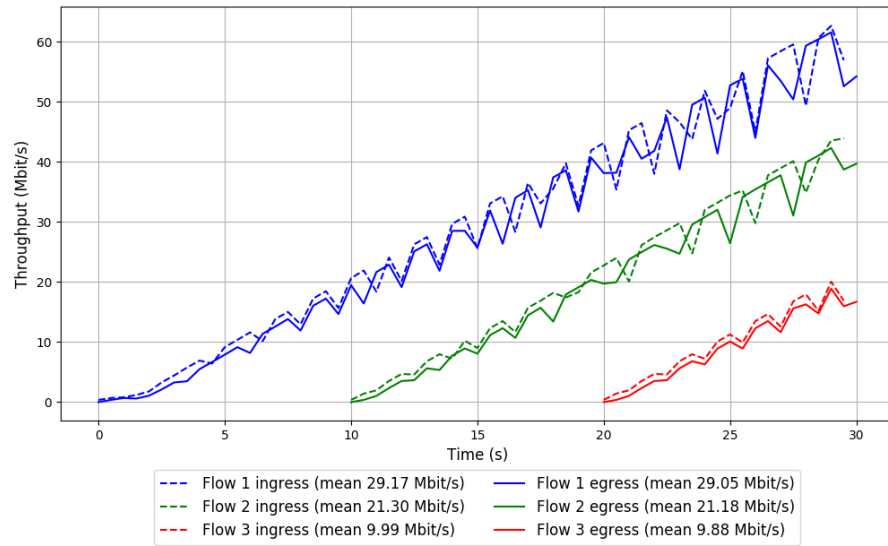
-- Flow 3:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 53.876 ms

Loss rate: 2.17%

Run 9: Report of LEDBAT — Data Link

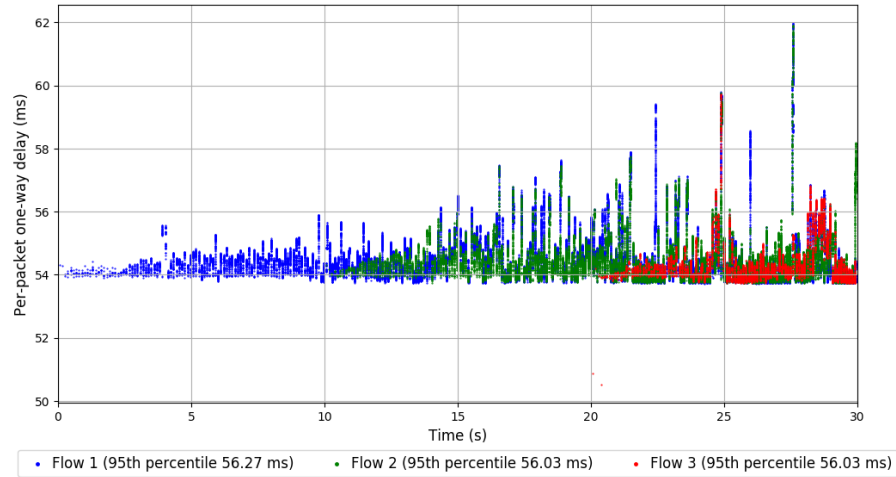
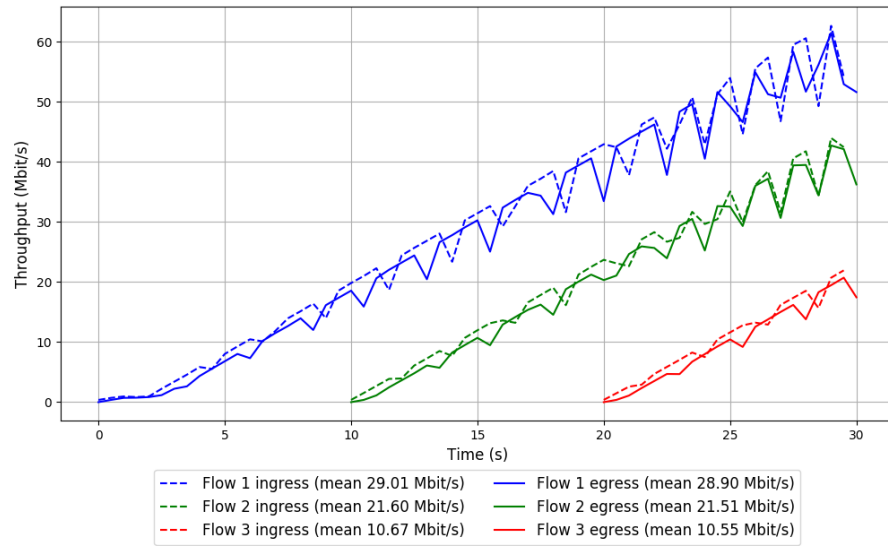


Run 10: Statistics of LEDBAT

Start at: 2018-07-06 10:56:47
End at: 2018-07-06 10:57:17
Local clock offset: -0.171 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-06 13:19:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 56.221 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 56.275 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 21.51 Mbit/s
95th percentile per-packet one-way delay: 56.035 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 56.028 ms
Loss rate: 2.11%

Run 10: Report of LEDBAT — Data Link

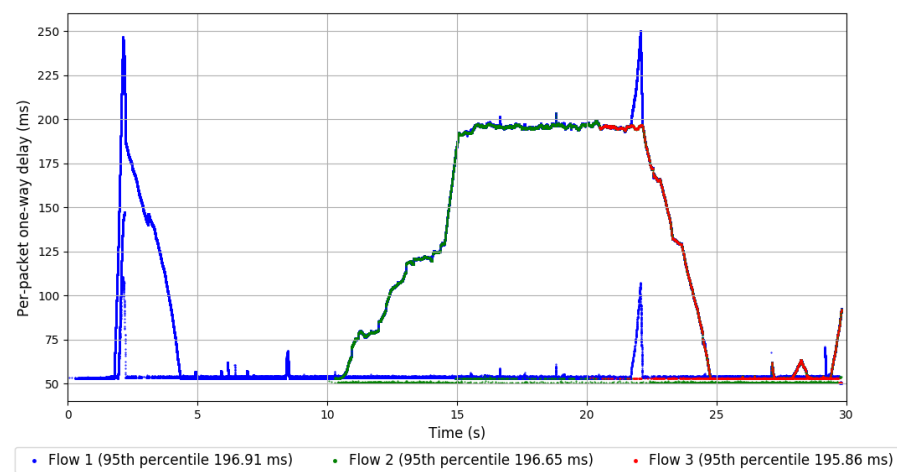
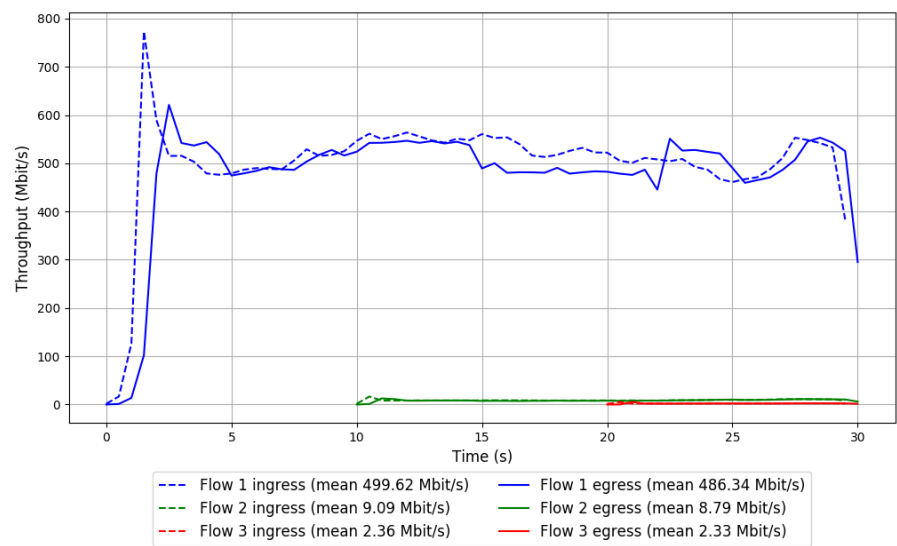


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-06 07:18:26
End at: 2018-07-06 07:18:56
Local clock offset: -0.257 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-06 13:24:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.94 Mbit/s
95th percentile per-packet one-way delay: 196.898 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 486.34 Mbit/s
95th percentile per-packet one-way delay: 196.905 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 196.650 ms
Loss rate: 3.78%
-- Flow 3:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 195.864 ms
Loss rate: 2.51%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-06 07:42:56

End at: 2018-07-06 07:43:26

Local clock offset: -0.064 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-07-06 13:24:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.78 Mbit/s

95th percentile per-packet one-way delay: 213.358 ms

Loss rate: 6.54%

-- Flow 1:

Average throughput: 349.93 Mbit/s

95th percentile per-packet one-way delay: 213.336 ms

Loss rate: 6.51%

-- Flow 2:

Average throughput: 69.68 Mbit/s

95th percentile per-packet one-way delay: 213.481 ms

Loss rate: 6.73%

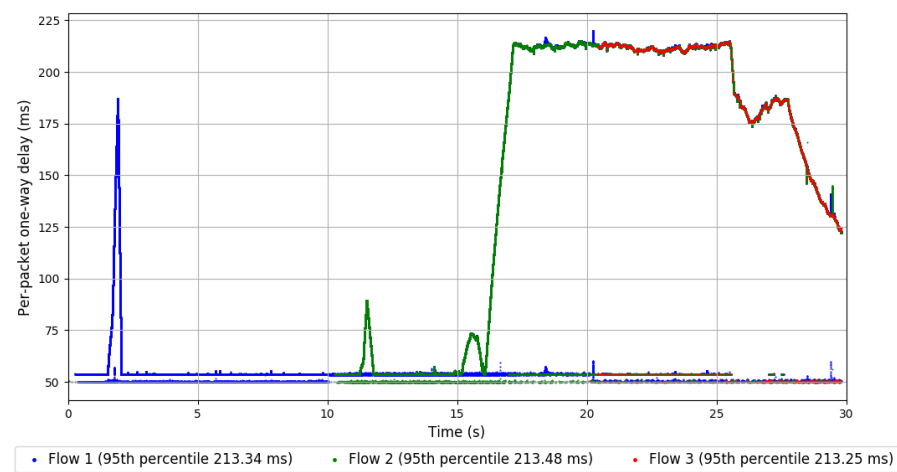
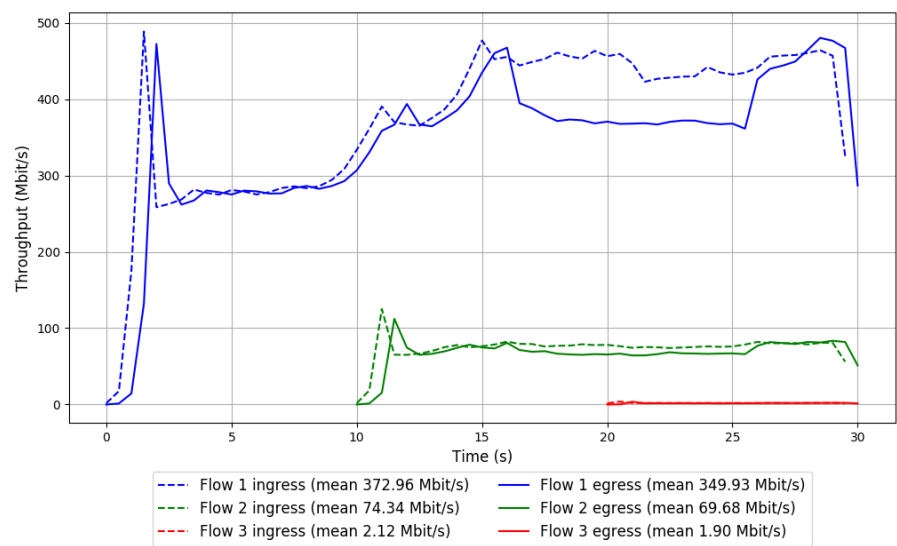
-- Flow 3:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 213.249 ms

Loss rate: 11.35%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-06 08:07:23

End at: 2018-07-06 08:07:53

Local clock offset: 0.035 ms

Remote clock offset: 0.457 ms

Below is generated by plot.py at 2018-07-06 13:24:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.54 Mbit/s

95th percentile per-packet one-way delay: 194.877 ms

Loss rate: 2.40%

-- Flow 1:

Average throughput: 430.58 Mbit/s

95th percentile per-packet one-way delay: 194.820 ms

Loss rate: 2.25%

-- Flow 2:

Average throughput: 58.48 Mbit/s

95th percentile per-packet one-way delay: 195.046 ms

Loss rate: 2.59%

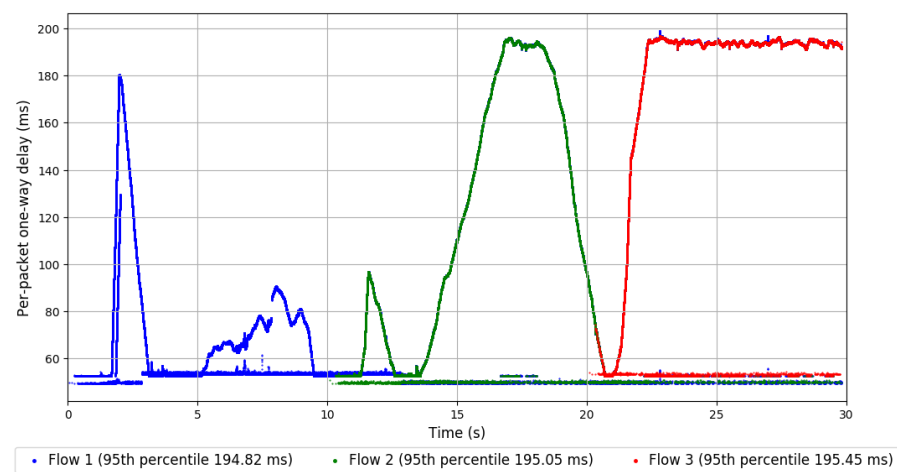
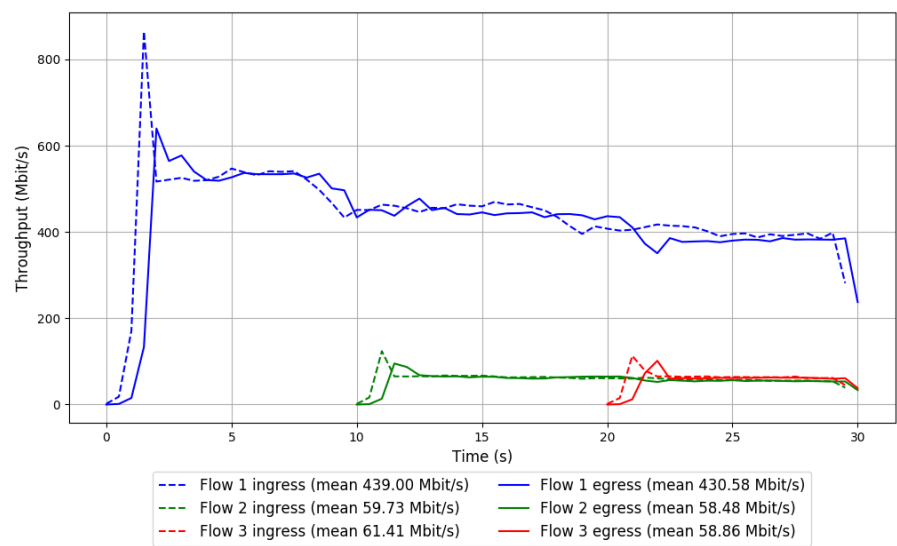
-- Flow 3:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 195.446 ms

Loss rate: 5.15%

Run 3: Report of PCC-Allegro — Data Link

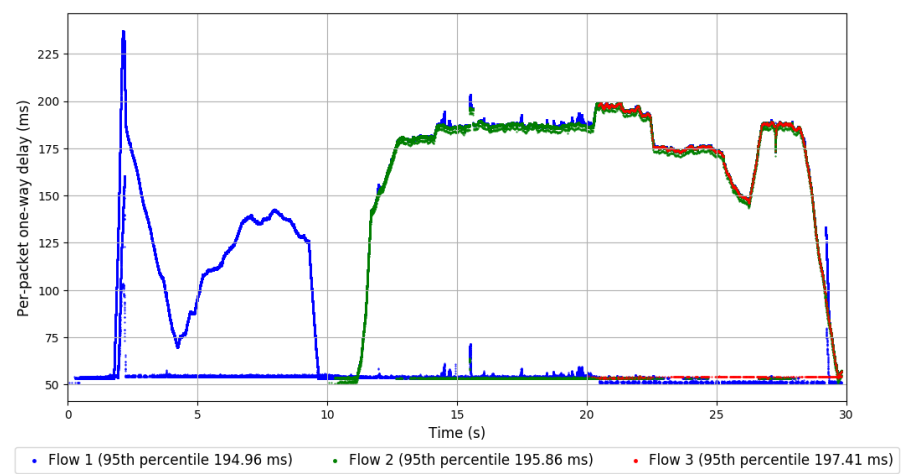
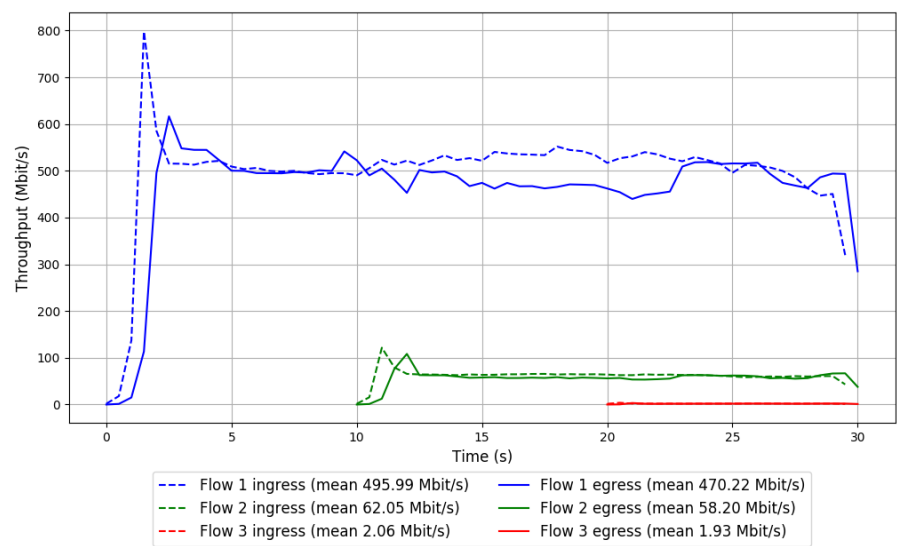


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-06 08:32:16
End at: 2018-07-06 08:32:46
Local clock offset: 0.183 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-06 13:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 509.47 Mbit/s
95th percentile per-packet one-way delay: 195.056 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 470.22 Mbit/s
95th percentile per-packet one-way delay: 194.964 ms
Loss rate: 5.52%
-- Flow 2:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 195.857 ms
Loss rate: 6.69%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 197.412 ms
Loss rate: 7.37%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-06 08:56:58

End at: 2018-07-06 08:57:28

Local clock offset: 0.0 ms

Remote clock offset: 1.467 ms

Below is generated by plot.py at 2018-07-06 13:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 431.21 Mbit/s

95th percentile per-packet one-way delay: 182.138 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 231.04 Mbit/s

95th percentile per-packet one-way delay: 181.577 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 294.24 Mbit/s

95th percentile per-packet one-way delay: 182.638 ms

Loss rate: 2.18%

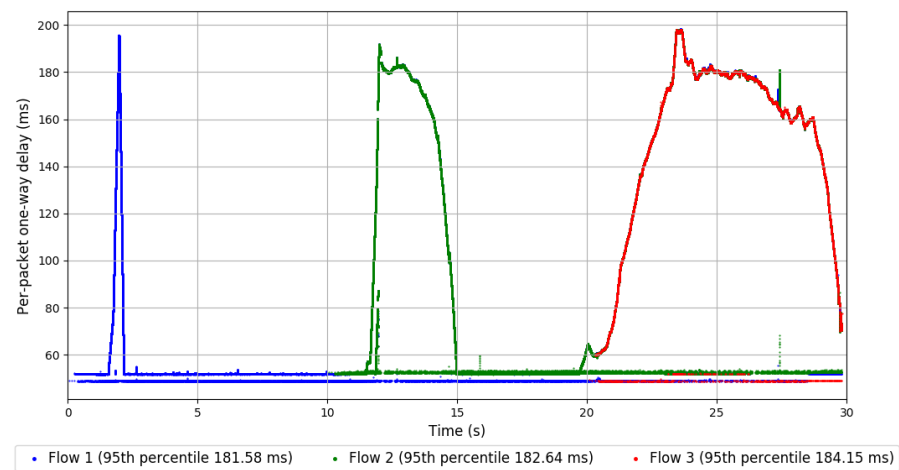
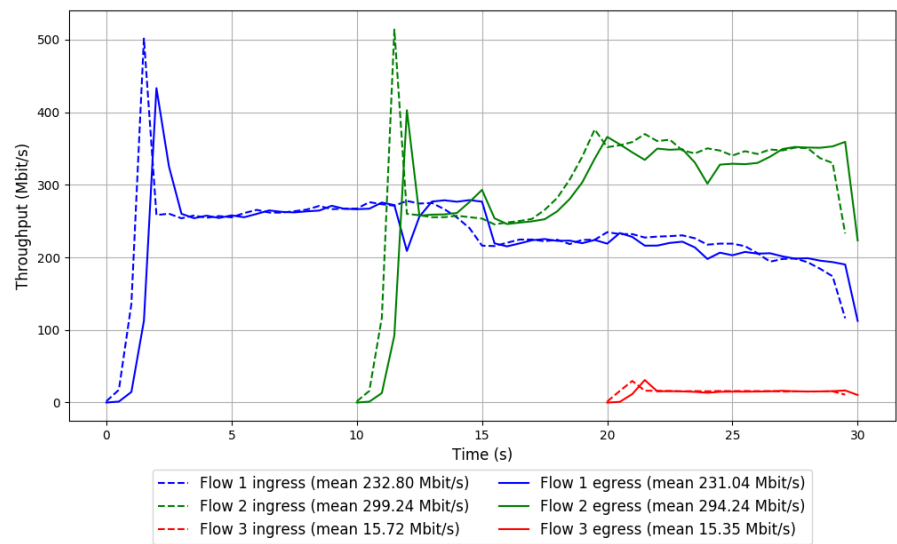
-- Flow 3:

Average throughput: 15.35 Mbit/s

95th percentile per-packet one-way delay: 184.153 ms

Loss rate: 3.29%

Run 5: Report of PCC-Allegro — Data Link

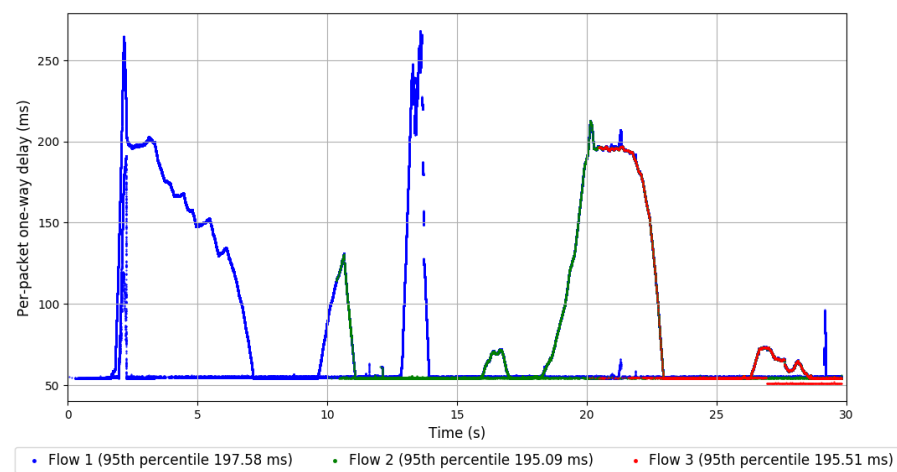
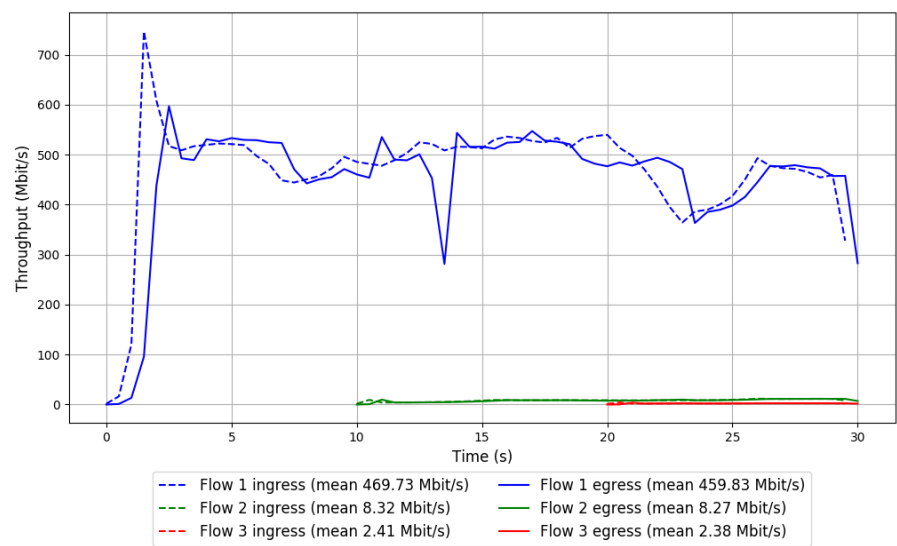


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-06 09:21:19
End at: 2018-07-06 09:21:49
Local clock offset: -0.071 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-07-06 13:25:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 466.06 Mbit/s
95th percentile per-packet one-way delay: 197.523 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 459.83 Mbit/s
95th percentile per-packet one-way delay: 197.581 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 195.088 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 195.513 ms
Loss rate: 2.50%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-06 09:45:50

End at: 2018-07-06 09:46:20

Local clock offset: -0.077 ms

Remote clock offset: 1.294 ms

Below is generated by plot.py at 2018-07-06 13:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 490.09 Mbit/s

95th percentile per-packet one-way delay: 195.447 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 455.46 Mbit/s

95th percentile per-packet one-way delay: 195.277 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 36.45 Mbit/s

95th percentile per-packet one-way delay: 196.017 ms

Loss rate: 1.37%

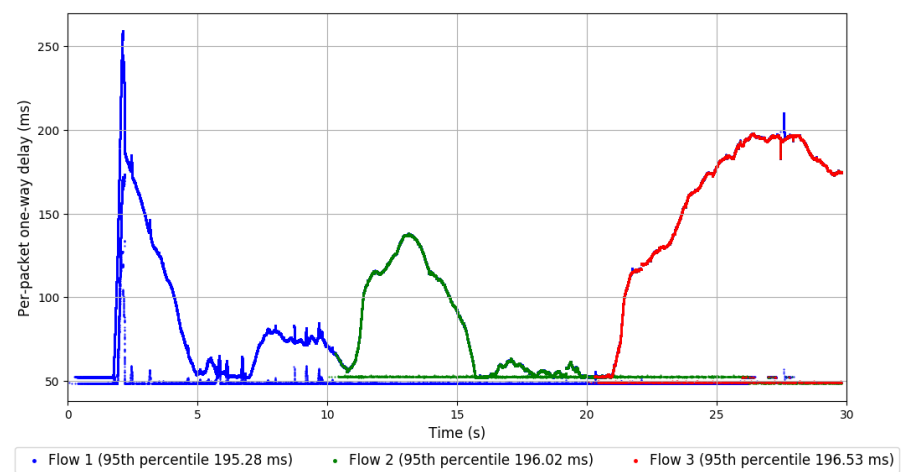
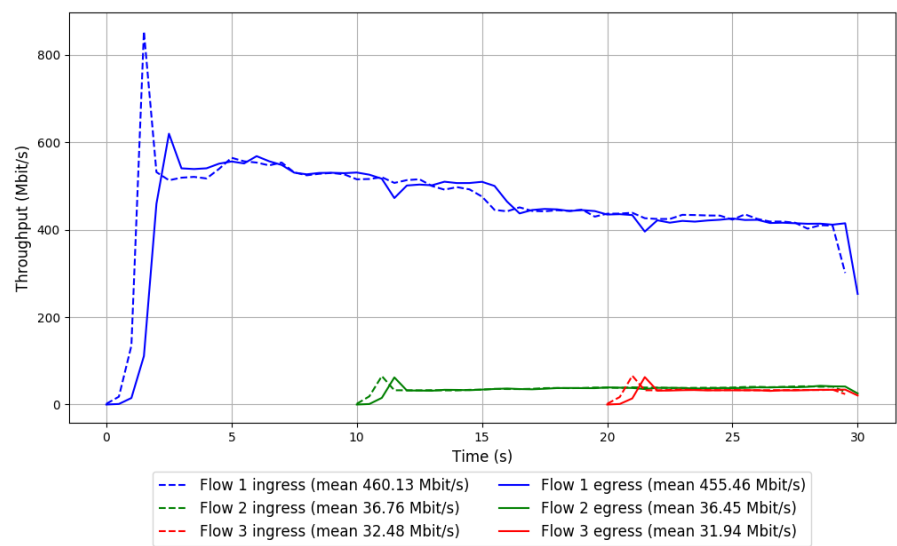
-- Flow 3:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 196.526 ms

Loss rate: 2.67%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-06 10:10:45

End at: 2018-07-06 10:11:15

Local clock offset: -0.096 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-07-06 13:29:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.87 Mbit/s

95th percentile per-packet one-way delay: 193.850 ms

Loss rate: 2.27%

-- Flow 1:

Average throughput: 480.31 Mbit/s

95th percentile per-packet one-way delay: 193.808 ms

Loss rate: 2.25%

-- Flow 2:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 194.215 ms

Loss rate: 2.37%

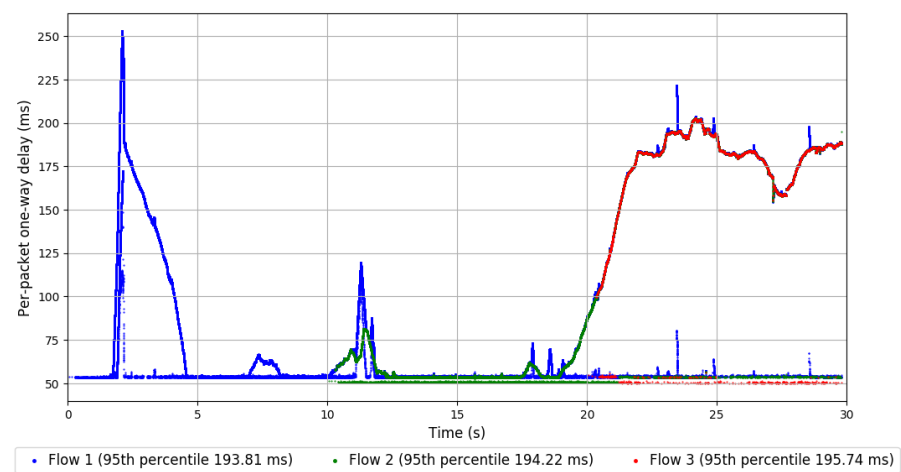
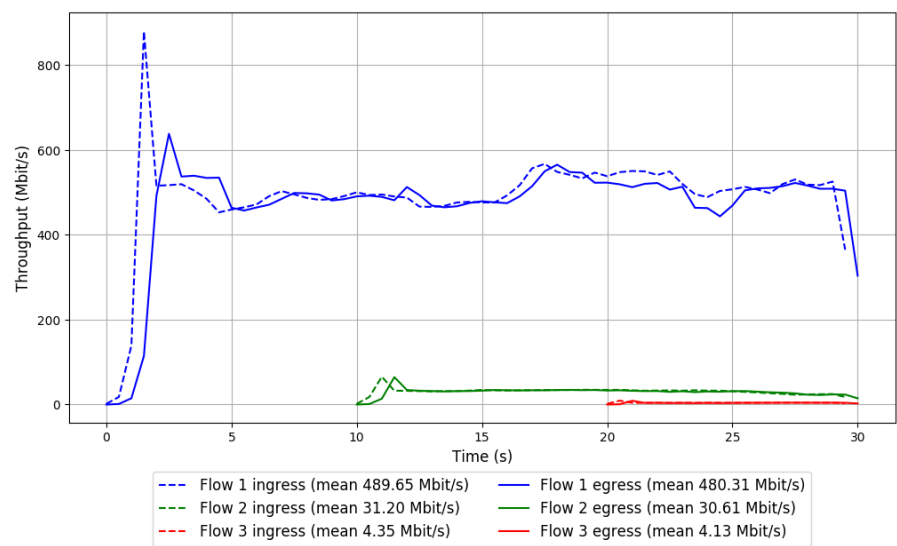
-- Flow 3:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 195.743 ms

Loss rate: 6.06%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-06 10:35:25

End at: 2018-07-06 10:35:55

Local clock offset: -0.239 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-06 13:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 478.22 Mbit/s

95th percentile per-packet one-way delay: 136.408 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 445.88 Mbit/s

95th percentile per-packet one-way delay: 136.343 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 137.612 ms

Loss rate: 0.54%

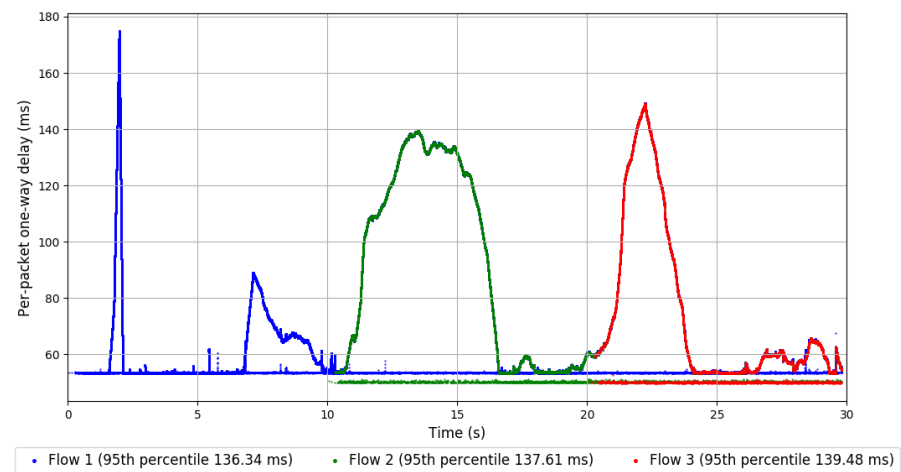
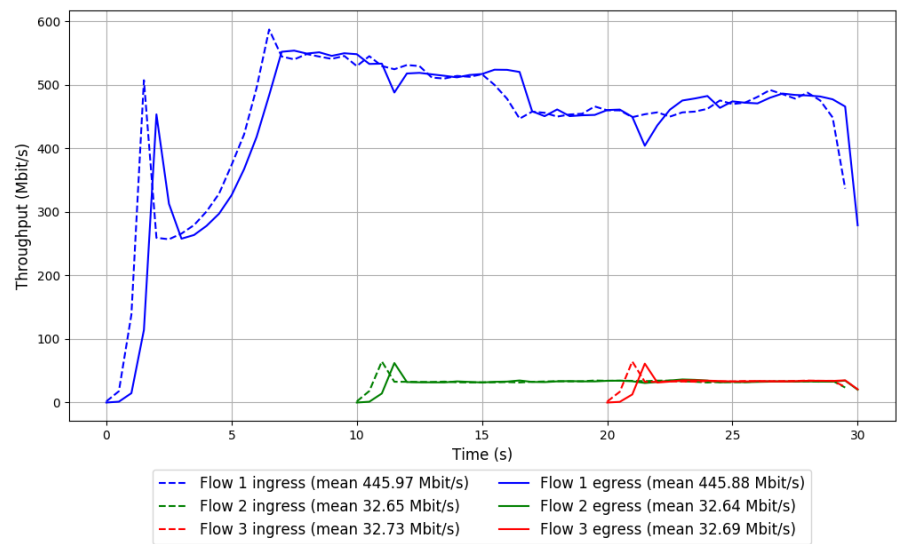
-- Flow 3:

Average throughput: 32.69 Mbit/s

95th percentile per-packet one-way delay: 139.477 ms

Loss rate: 1.15%

Run 9: Report of PCC-Allegro — Data Link

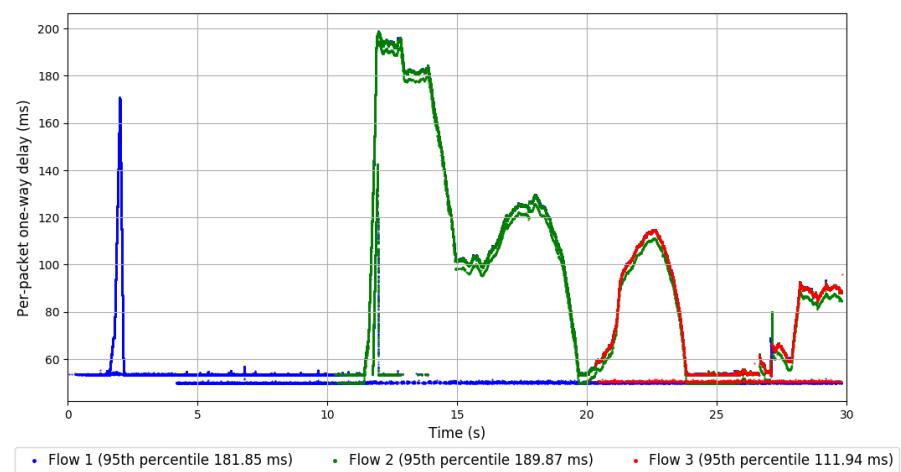
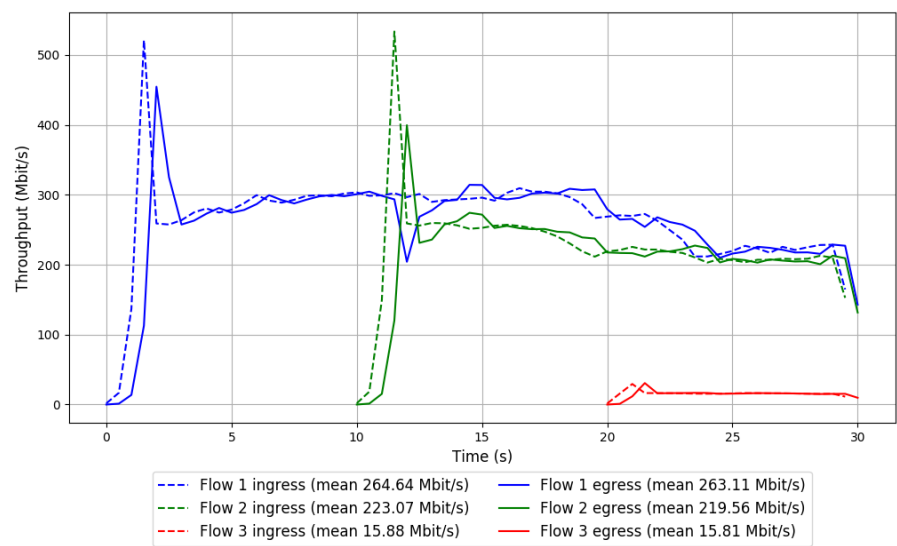


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-06 11:00:02
End at: 2018-07-06 11:00:32
Local clock offset: -0.318 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-06 13:31:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.93 Mbit/s
95th percentile per-packet one-way delay: 182.248 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 263.11 Mbit/s
95th percentile per-packet one-way delay: 181.852 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 219.56 Mbit/s
95th percentile per-packet one-way delay: 189.867 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 111.938 ms
Loss rate: 1.42%

Run 10: Report of PCC-Allegro — Data Link

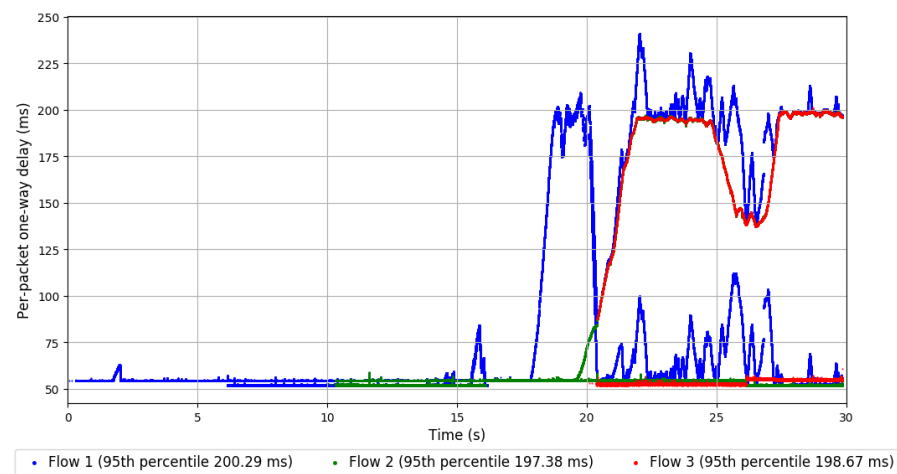
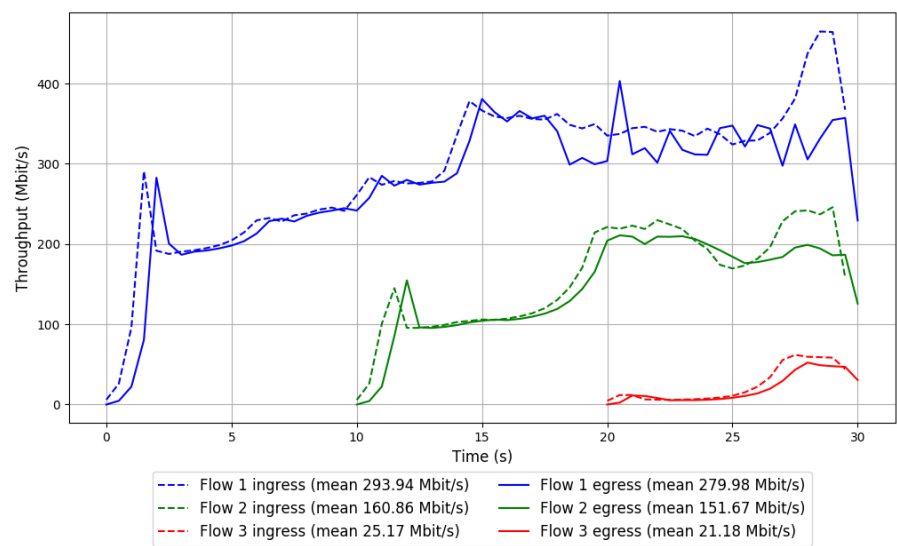


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-06 07:26:50
End at: 2018-07-06 07:27:20
Local clock offset: 0.053 ms
Remote clock offset: -1.347 ms

# Below is generated by plot.py at 2018-07-06 13:37:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.55 Mbit/s
95th percentile per-packet one-way delay: 198.886 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 279.98 Mbit/s
95th percentile per-packet one-way delay: 200.294 ms
Loss rate: 5.08%
-- Flow 2:
Average throughput: 151.67 Mbit/s
95th percentile per-packet one-way delay: 197.377 ms
Loss rate: 6.20%
-- Flow 3:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 198.668 ms
Loss rate: 16.69%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-06 07:51:11

End at: 2018-07-06 07:51:41

Local clock offset: -0.08 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-07-06 13:39:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 404.35 Mbit/s

95th percentile per-packet one-way delay: 295.011 ms

Loss rate: 15.43%

-- Flow 1:

Average throughput: 342.29 Mbit/s

95th percentile per-packet one-way delay: 298.277 ms

Loss rate: 17.36%

-- Flow 2:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 185.055 ms

Loss rate: 2.88%

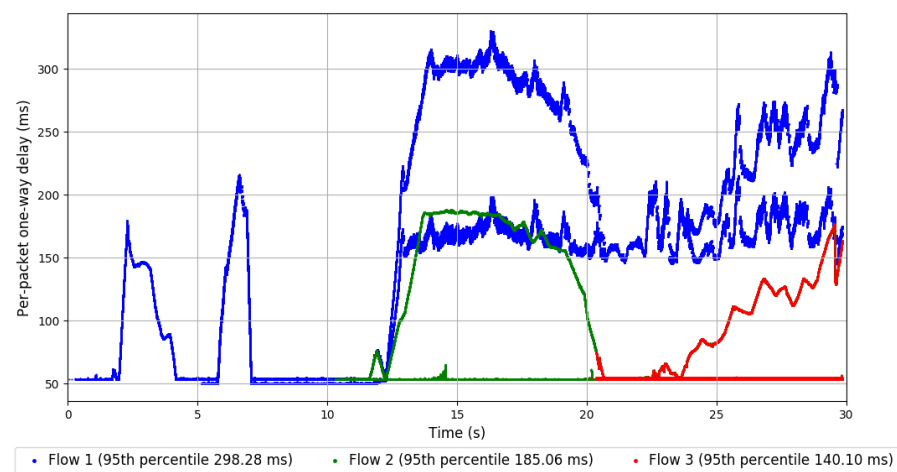
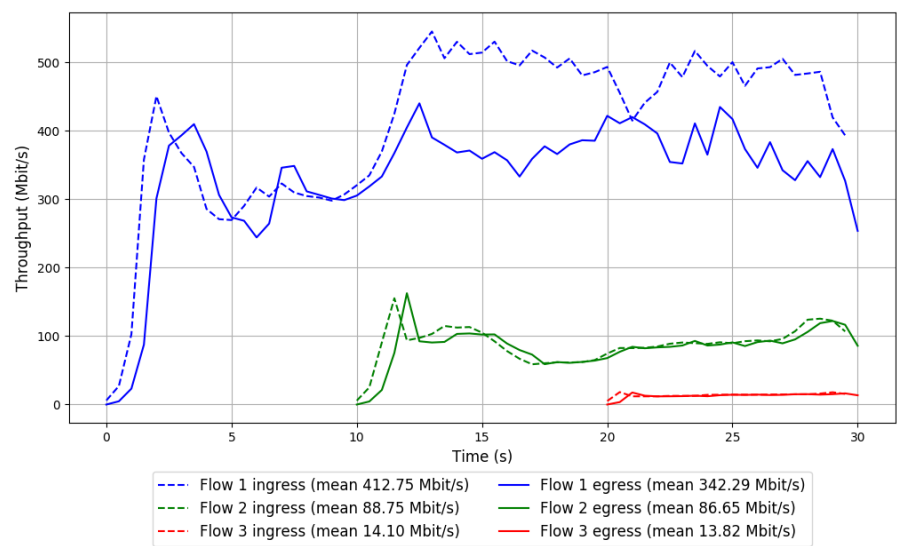
-- Flow 3:

Average throughput: 13.82 Mbit/s

95th percentile per-packet one-way delay: 140.100 ms

Loss rate: 3.01%

Run 2: Report of PCC-Expr — Data Link

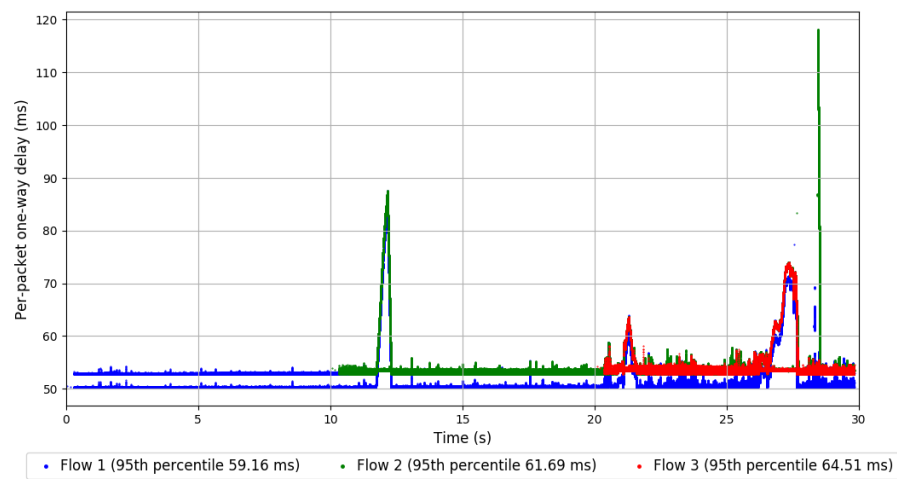
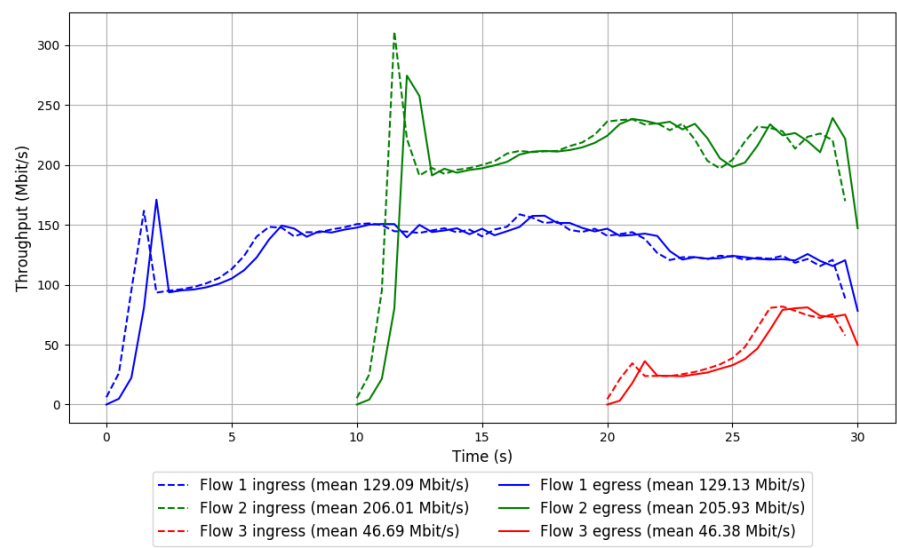


Run 3: Statistics of PCC-Expr

Start at: 2018-07-06 08:15:46
End at: 2018-07-06 08:16:16
Local clock offset: -0.135 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-06 13:39:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.98 Mbit/s
95th percentile per-packet one-way delay: 61.070 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 129.13 Mbit/s
95th percentile per-packet one-way delay: 59.156 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 61.691 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 64.512 ms
Loss rate: 1.72%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-06 08:40:28

End at: 2018-07-06 08:40:58

Local clock offset: 0.111 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-07-06 13:39:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.82 Mbit/s

95th percentile per-packet one-way delay: 214.969 ms

Loss rate: 3.85%

-- Flow 1:

Average throughput: 104.08 Mbit/s

95th percentile per-packet one-way delay: 84.956 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 295.03 Mbit/s

95th percentile per-packet one-way delay: 256.420 ms

Loss rate: 6.39%

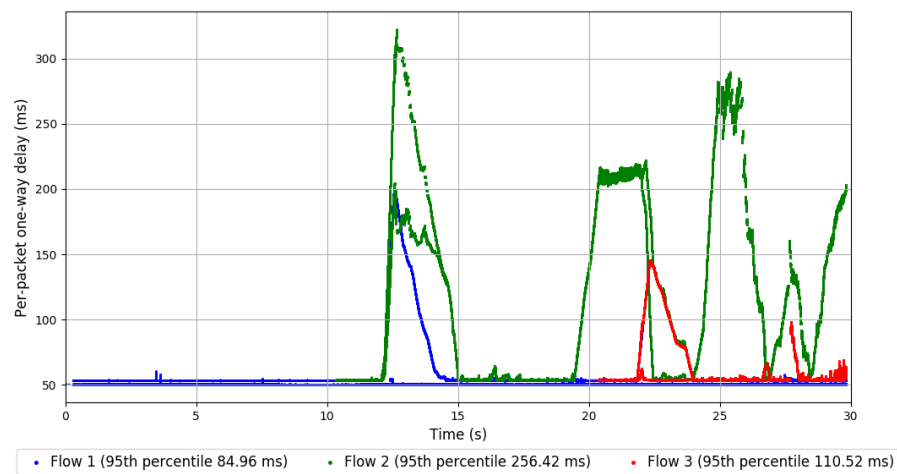
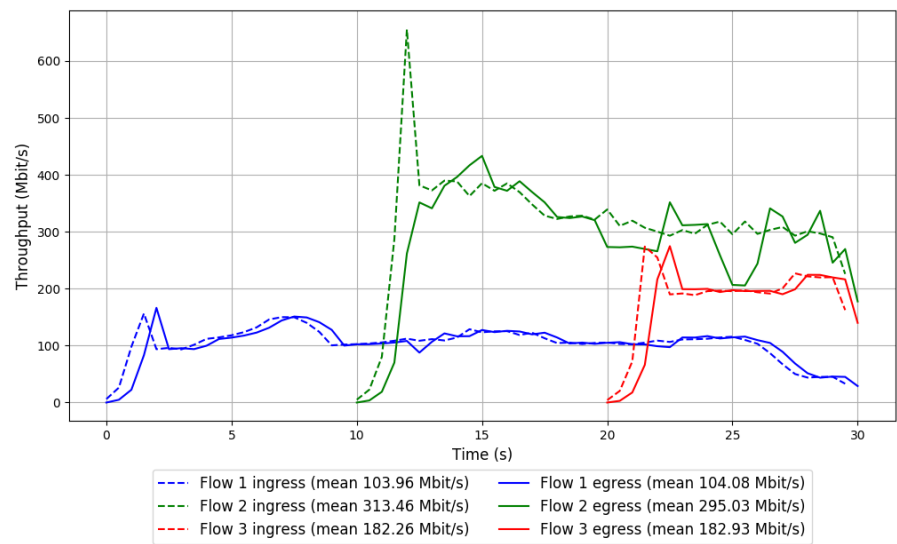
-- Flow 3:

Average throughput: 182.93 Mbit/s

95th percentile per-packet one-way delay: 110.522 ms

Loss rate: 1.34%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-06 09:05:15

End at: 2018-07-06 09:05:45

Local clock offset: 0.027 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-07-06 13:39:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.50 Mbit/s

95th percentile per-packet one-way delay: 166.218 ms

Loss rate: 2.16%

-- Flow 1:

Average throughput: 256.03 Mbit/s

95th percentile per-packet one-way delay: 167.945 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 117.23 Mbit/s

95th percentile per-packet one-way delay: 136.677 ms

Loss rate: 2.49%

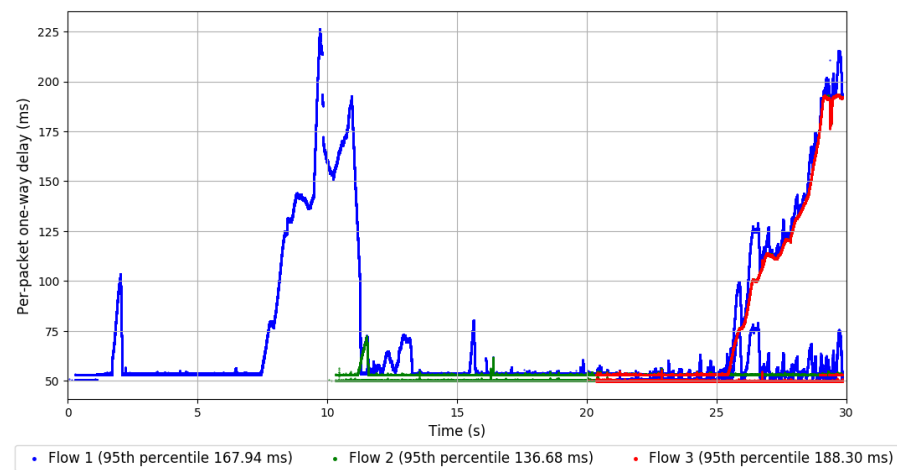
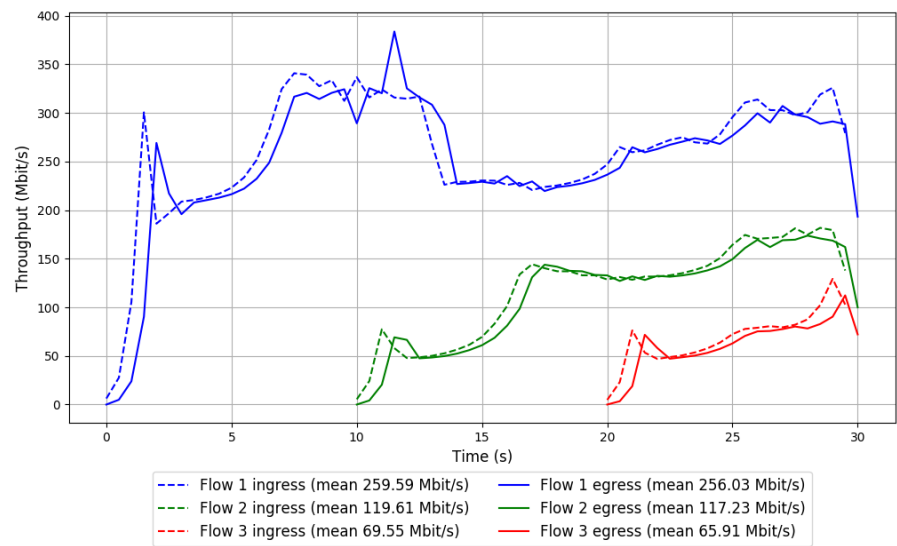
-- Flow 3:

Average throughput: 65.91 Mbit/s

95th percentile per-packet one-way delay: 188.304 ms

Loss rate: 6.21%

Run 5: Report of PCC-Expr — Data Link

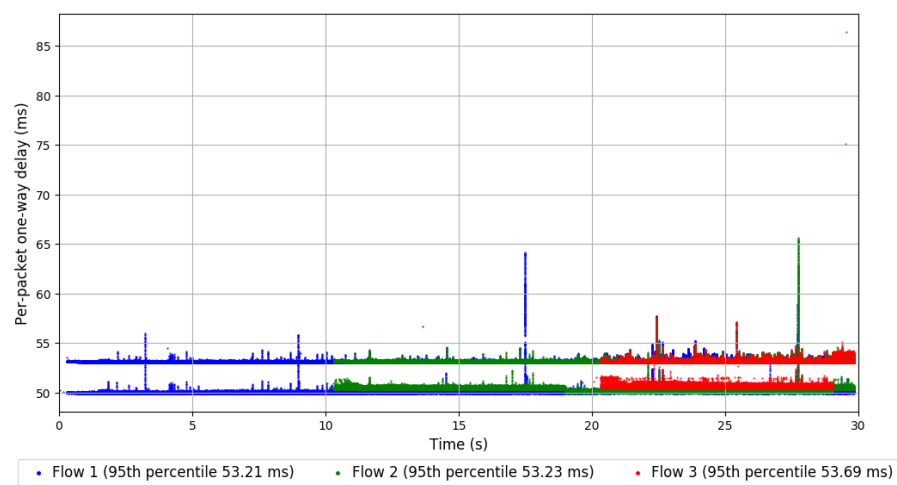
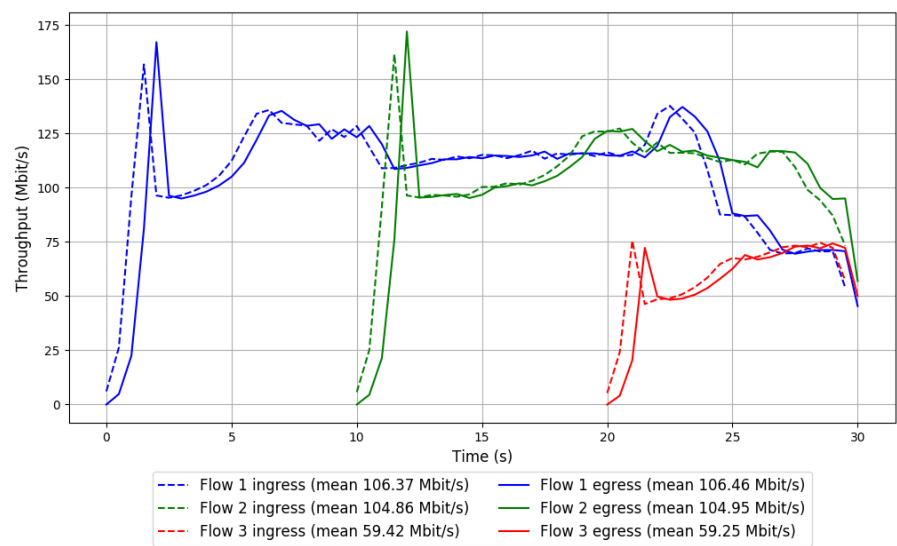


Run 6: Statistics of PCC-Expr

Start at: 2018-07-06 09:29:47
End at: 2018-07-06 09:30:17
Local clock offset: 0.0 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-06 13:39:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.57 Mbit/s
95th percentile per-packet one-way delay: 53.231 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 106.46 Mbit/s
95th percentile per-packet one-way delay: 53.212 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 104.95 Mbit/s
95th percentile per-packet one-way delay: 53.234 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 53.689 ms
Loss rate: 1.31%

Run 6: Report of PCC-Expr — Data Link

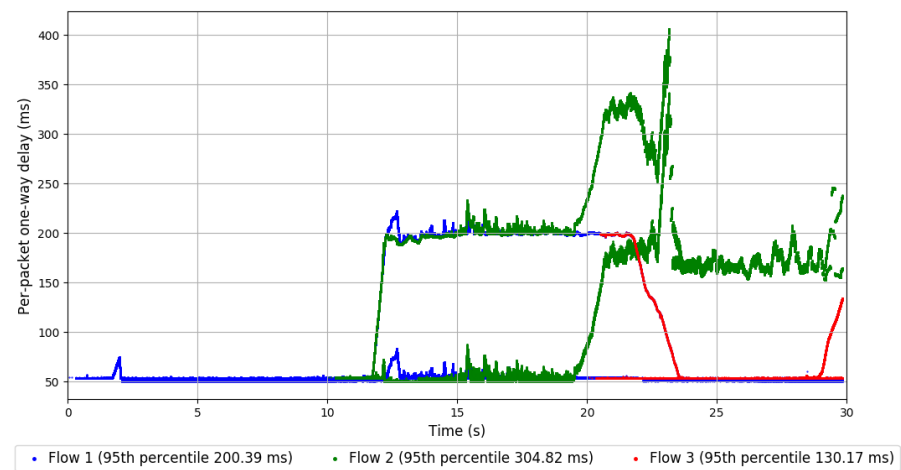
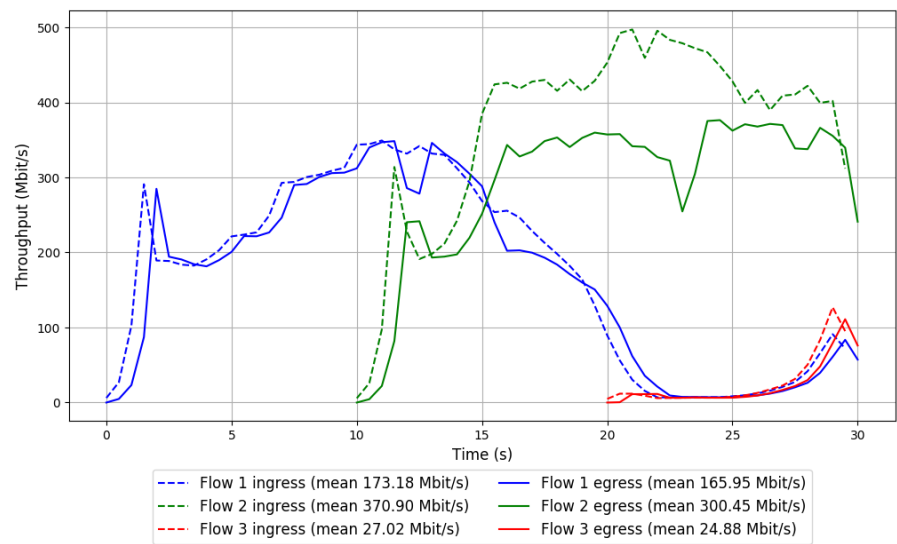


Run 7: Statistics of PCC-Expr

Start at: 2018-07-06 09:54:14
End at: 2018-07-06 09:54:44
Local clock offset: -0.008 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-06 13:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.59 Mbit/s
95th percentile per-packet one-way delay: 234.861 ms
Loss rate: 13.18%
-- Flow 1:
Average throughput: 165.95 Mbit/s
95th percentile per-packet one-way delay: 200.390 ms
Loss rate: 4.51%
-- Flow 2:
Average throughput: 300.45 Mbit/s
95th percentile per-packet one-way delay: 304.824 ms
Loss rate: 19.42%
-- Flow 3:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 130.166 ms
Loss rate: 8.93%

Run 7: Report of PCC-Expr — Data Link

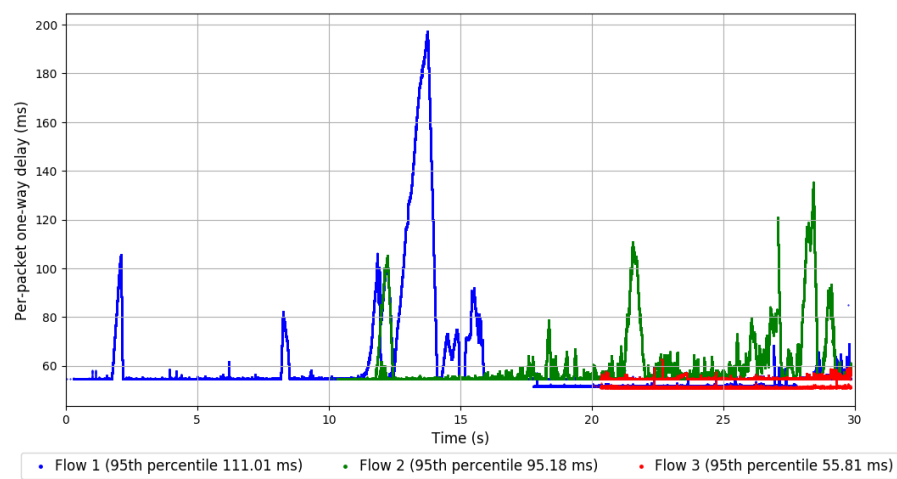
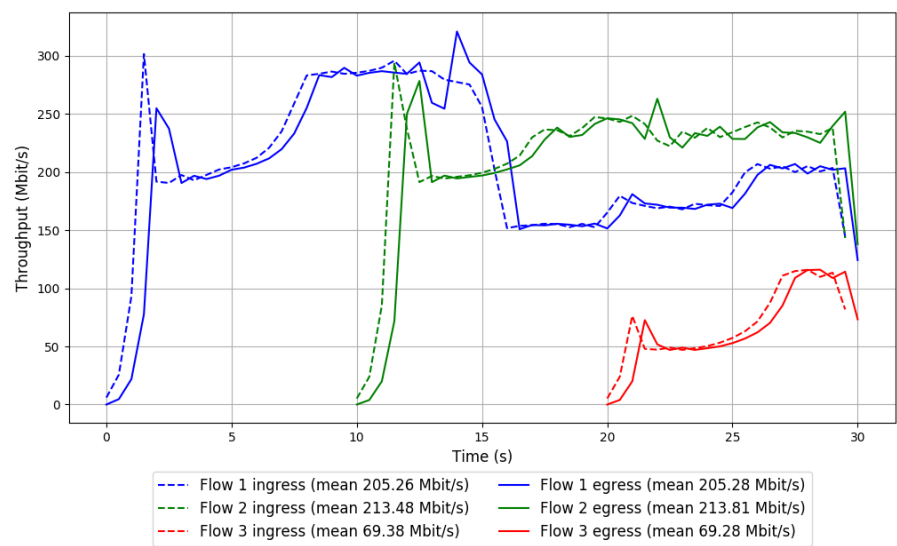


Run 8: Statistics of PCC-Expr

Start at: 2018-07-06 10:19:08
End at: 2018-07-06 10:19:38
Local clock offset: -0.288 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-07-06 13:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.95 Mbit/s
95th percentile per-packet one-way delay: 99.761 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 205.28 Mbit/s
95th percentile per-packet one-way delay: 111.012 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 213.81 Mbit/s
95th percentile per-packet one-way delay: 95.180 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 55.813 ms
Loss rate: 1.49%

Run 8: Report of PCC-Expr — Data Link

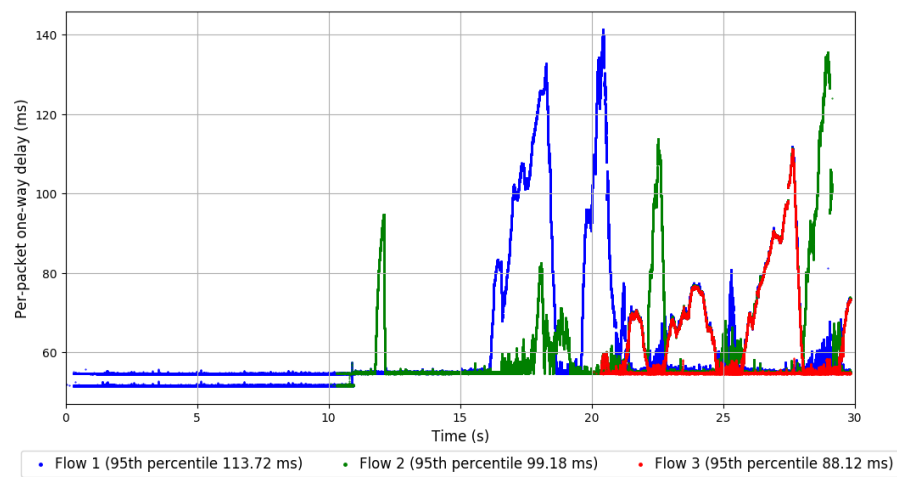
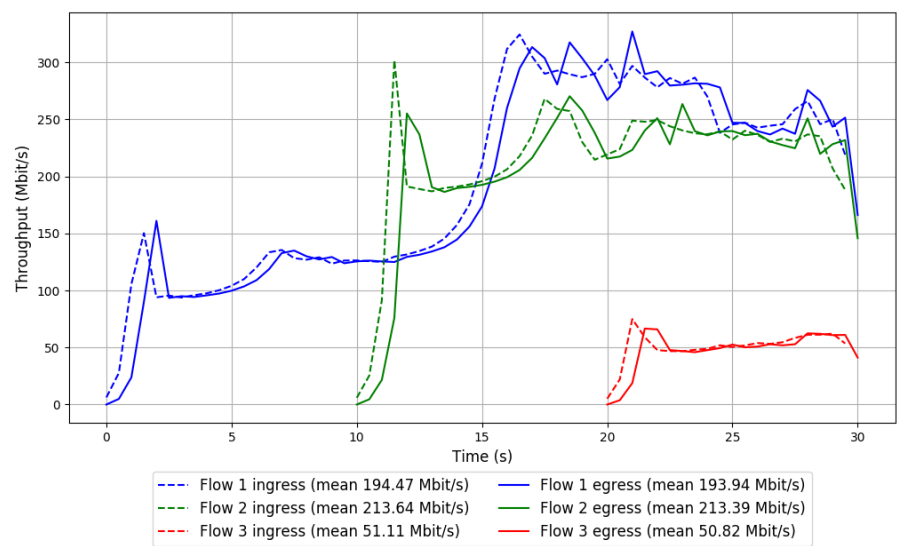


Run 9: Statistics of PCC-Expr

Start at: 2018-07-06 10:43:45
End at: 2018-07-06 10:44:15
Local clock offset: -0.264 ms
Remote clock offset: -1.269 ms

Below is generated by plot.py at 2018-07-06 13:48:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.27 Mbit/s
95th percentile per-packet one-way delay: 107.319 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 193.94 Mbit/s
95th percentile per-packet one-way delay: 113.718 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 213.39 Mbit/s
95th percentile per-packet one-way delay: 99.176 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 50.82 Mbit/s
95th percentile per-packet one-way delay: 88.117 ms
Loss rate: 2.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-06 11:08:15

End at: 2018-07-06 11:08:45

Local clock offset: -0.274 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-06 13:50:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 364.59 Mbit/s

95th percentile per-packet one-way delay: 272.944 ms

Loss rate: 4.36%

-- Flow 1:

Average throughput: 269.88 Mbit/s

95th percentile per-packet one-way delay: 283.484 ms

Loss rate: 4.88%

-- Flow 2:

Average throughput: 98.45 Mbit/s

95th percentile per-packet one-way delay: 187.608 ms

Loss rate: 2.10%

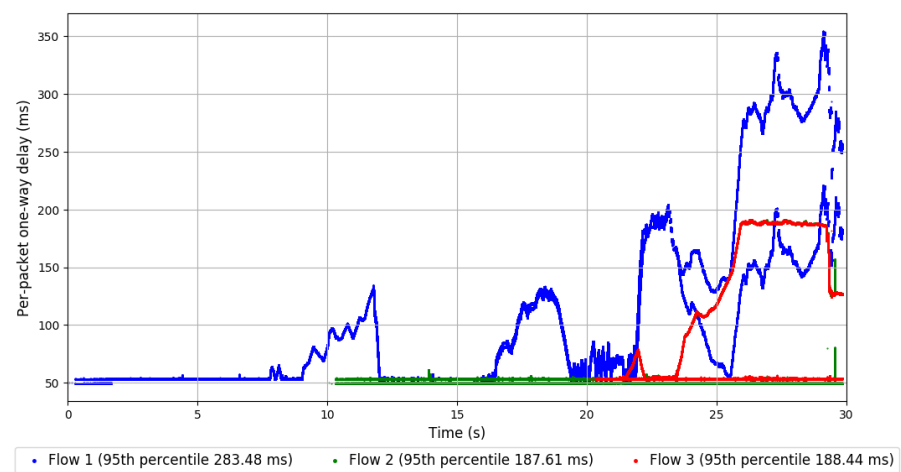
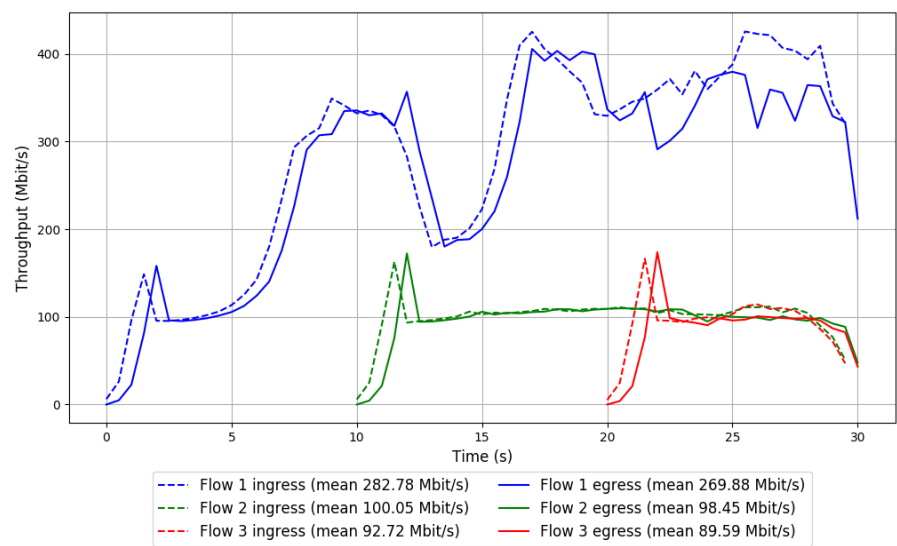
-- Flow 3:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 188.437 ms

Loss rate: 4.42%

Run 10: Report of PCC-Expr — Data Link

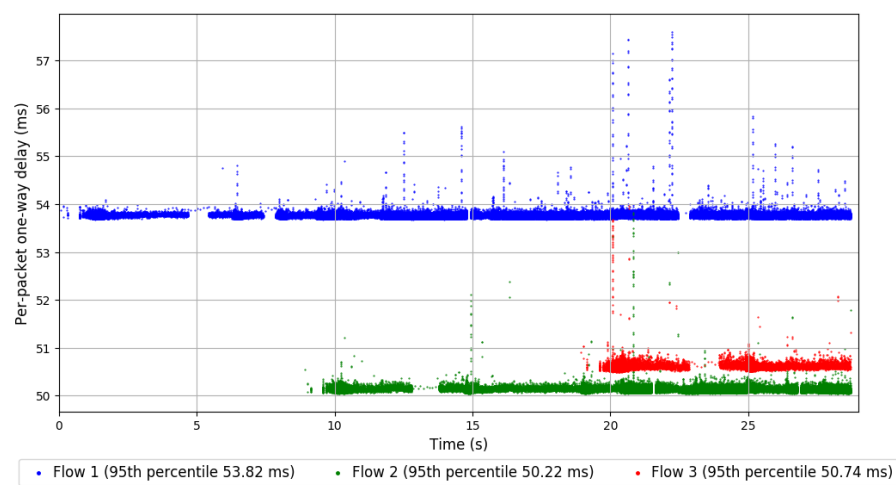
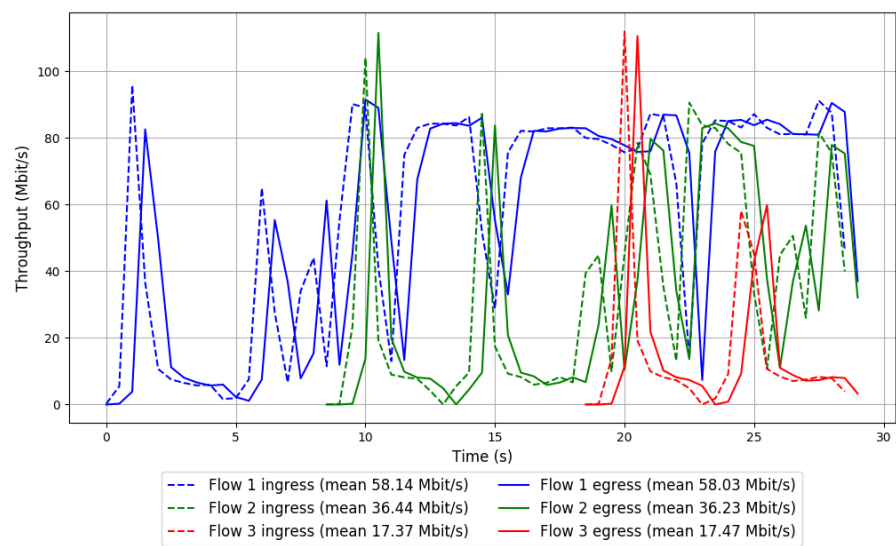


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-06 07:12:48
End at: 2018-07-06 07:13:18
Local clock offset: -0.012 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-07-06 13:50:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 53.812 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 58.03 Mbit/s
95th percentile per-packet one-way delay: 53.824 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 50.219 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 17.47 Mbit/s
95th percentile per-packet one-way delay: 50.743 ms
Loss rate: 0.42%

Run 1: Report of QUIC Cubic — Data Link

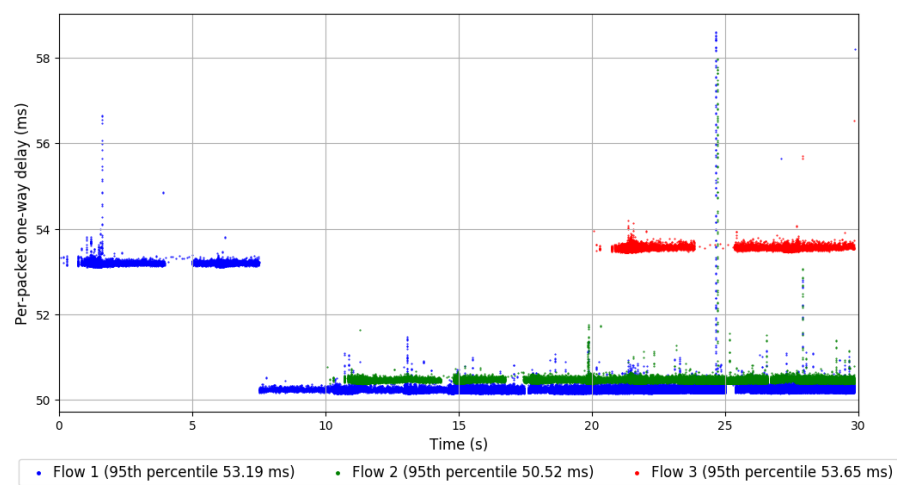
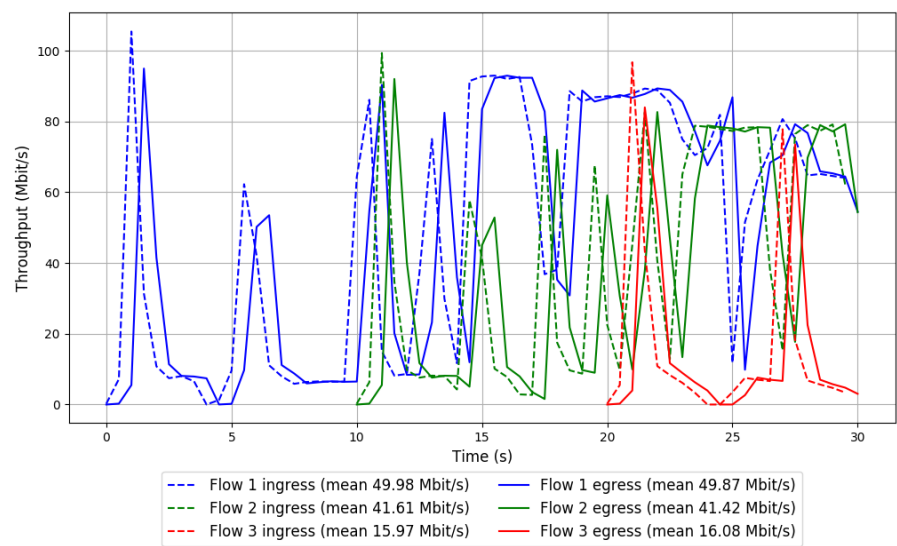


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-06 07:37:09
End at: 2018-07-06 07:37:39
Local clock offset: -0.149 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-06 13:50:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 53.518 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 53.187 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 50.524 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 53.651 ms
Loss rate: 0.27%

Run 2: Report of QUIC Cubic — Data Link

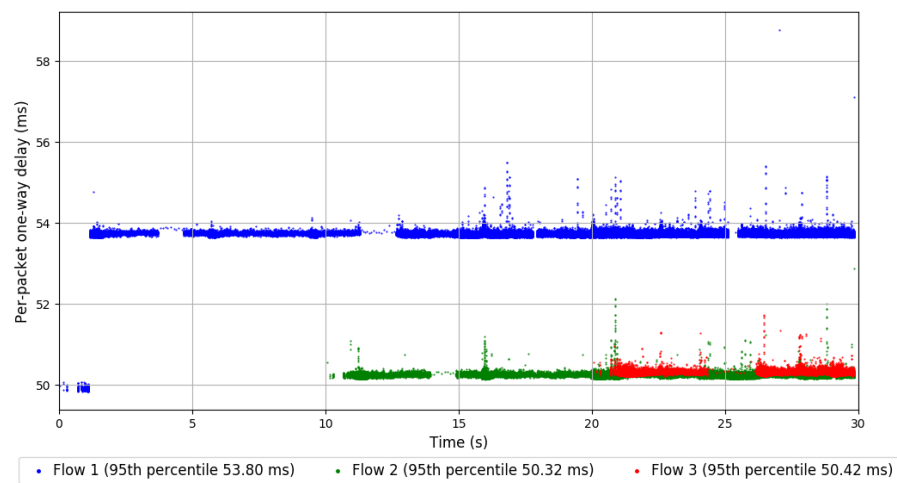
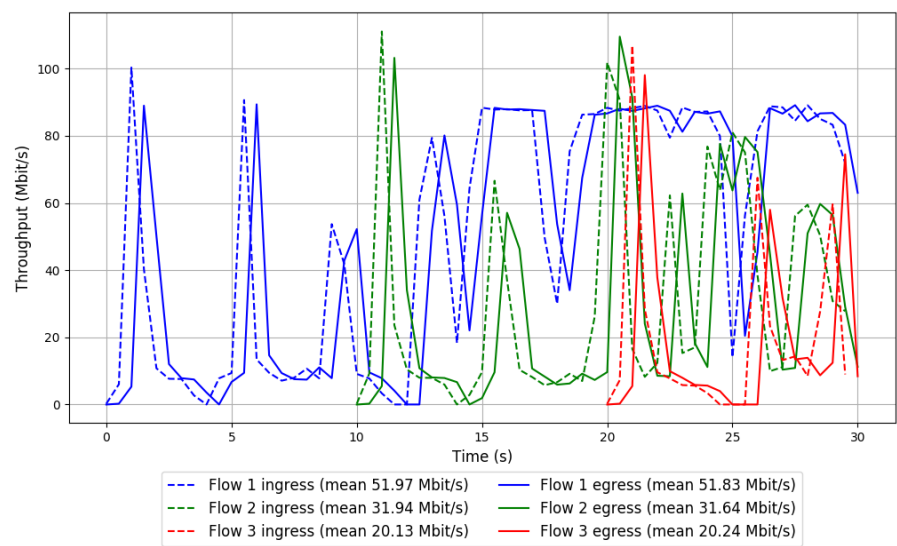


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-06 08:01:35
End at: 2018-07-06 08:02:05
Local clock offset: -0.254 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-07-06 13:50:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 53.788 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 51.83 Mbit/s
95th percentile per-packet one-way delay: 53.802 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 50.316 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 50.425 ms
Loss rate: 0.51%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-06 08:26:26

End at: 2018-07-06 08:26:56

Local clock offset: 0.052 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 53.093 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 54.73 Mbit/s

95th percentile per-packet one-way delay: 50.285 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 53.082 ms

Loss rate: 1.15%

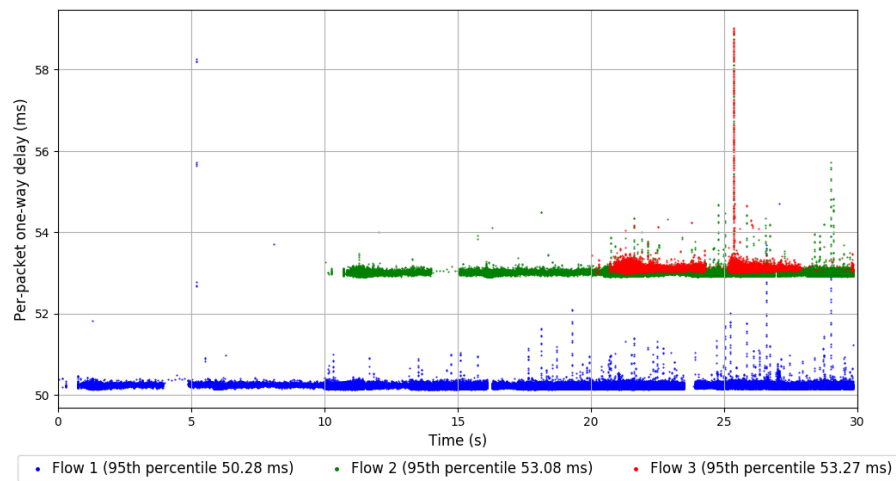
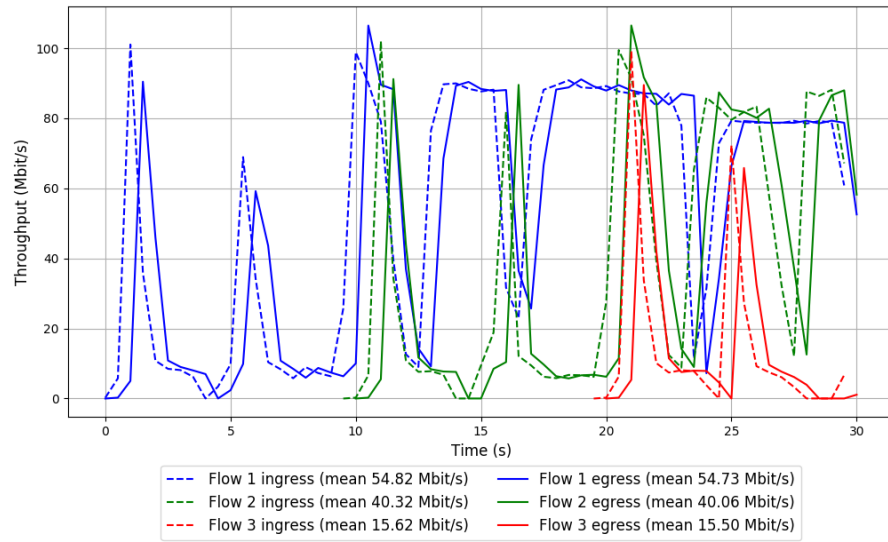
-- Flow 3:

Average throughput: 15.50 Mbit/s

95th percentile per-packet one-way delay: 53.271 ms

Loss rate: 1.81%

Run 4: Report of QUIC Cubic — Data Link

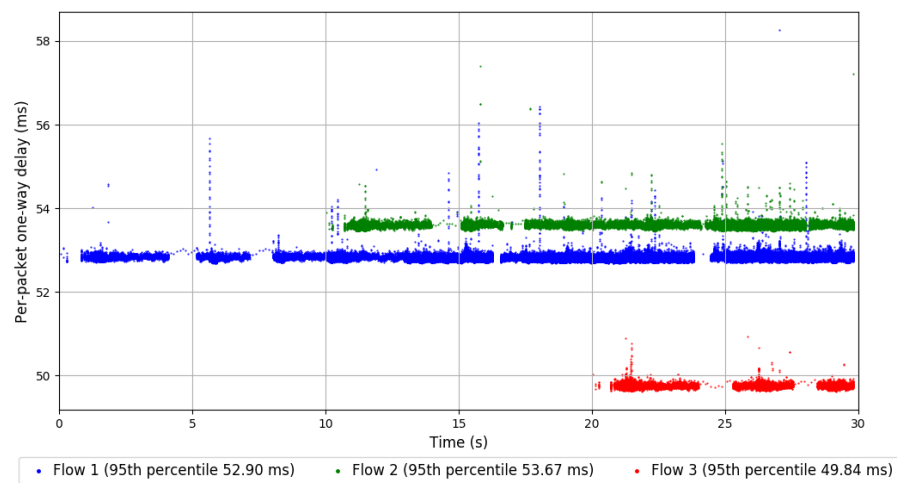
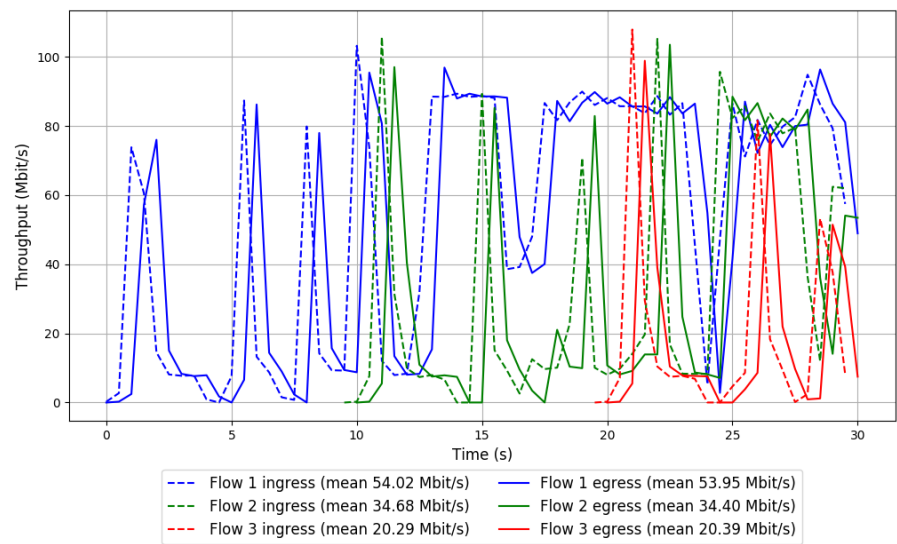


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-06 08:50:54
End at: 2018-07-06 08:51:24
Local clock offset: -0.245 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 53.626 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 52.903 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 53.670 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 49.838 ms
Loss rate: 0.50%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-06 09:15:41

End at: 2018-07-06 09:16:11

Local clock offset: 0.107 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.13 Mbit/s

95th percentile per-packet one-way delay: 54.002 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 54.34 Mbit/s

95th percentile per-packet one-way delay: 54.019 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 41.36 Mbit/s

95th percentile per-packet one-way delay: 53.461 ms

Loss rate: 1.06%

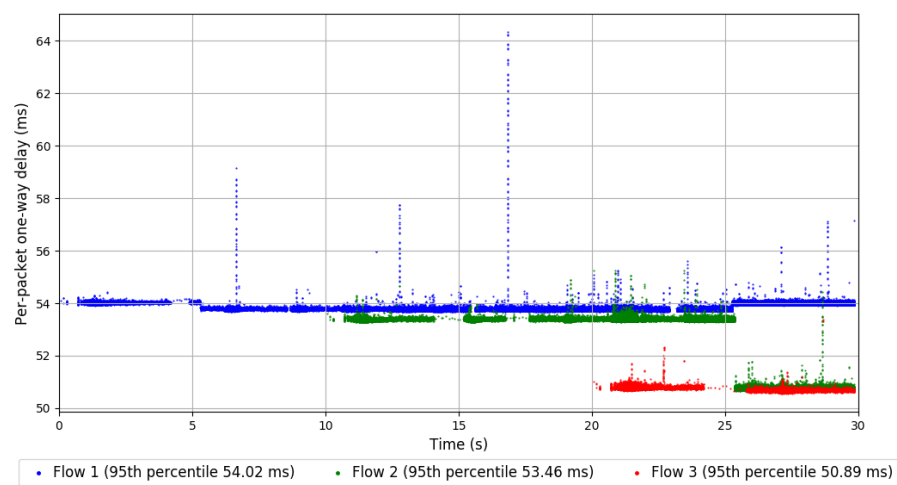
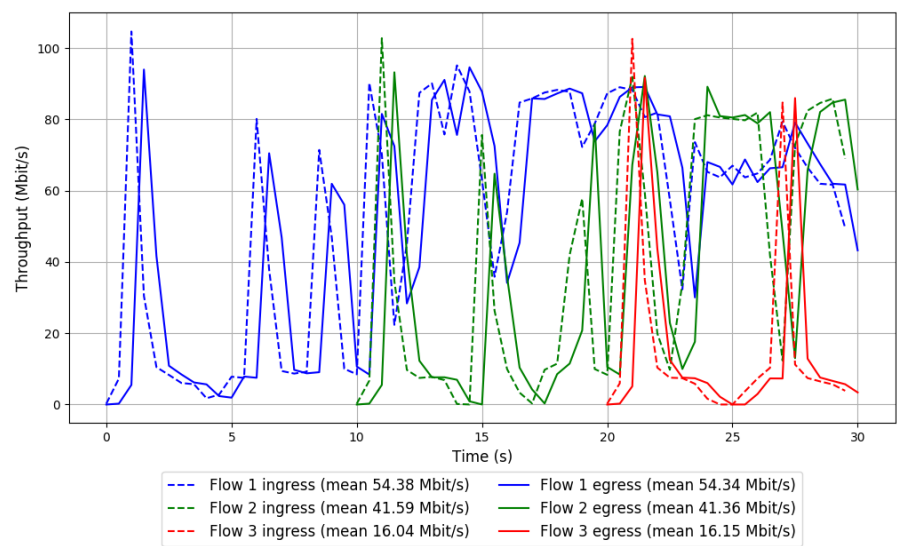
-- Flow 3:

Average throughput: 16.15 Mbit/s

95th percentile per-packet one-way delay: 50.890 ms

Loss rate: 0.31%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-06 09:40:06

End at: 2018-07-06 09:40:36

Local clock offset: 0.075 ms

Remote clock offset: 1.314 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.77 Mbit/s

95th percentile per-packet one-way delay: 52.457 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 43.02 Mbit/s

95th percentile per-packet one-way delay: 52.374 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 37.99 Mbit/s

95th percentile per-packet one-way delay: 52.502 ms

Loss rate: 1.07%

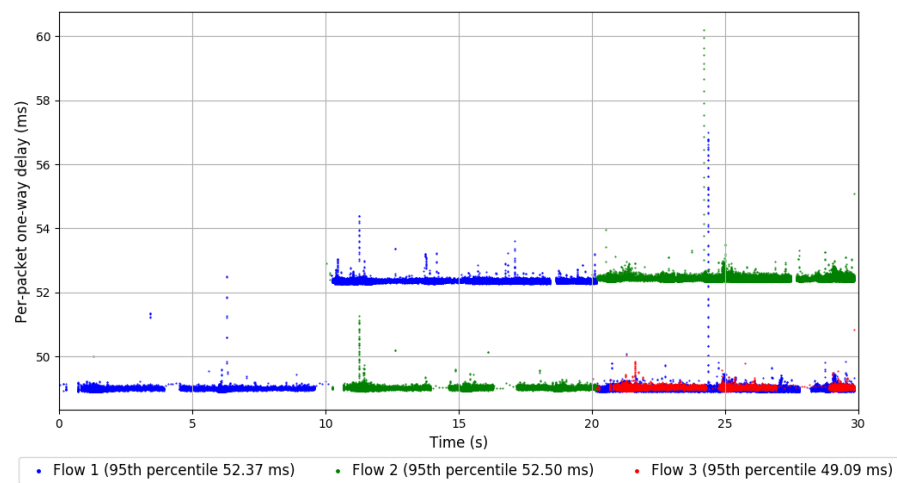
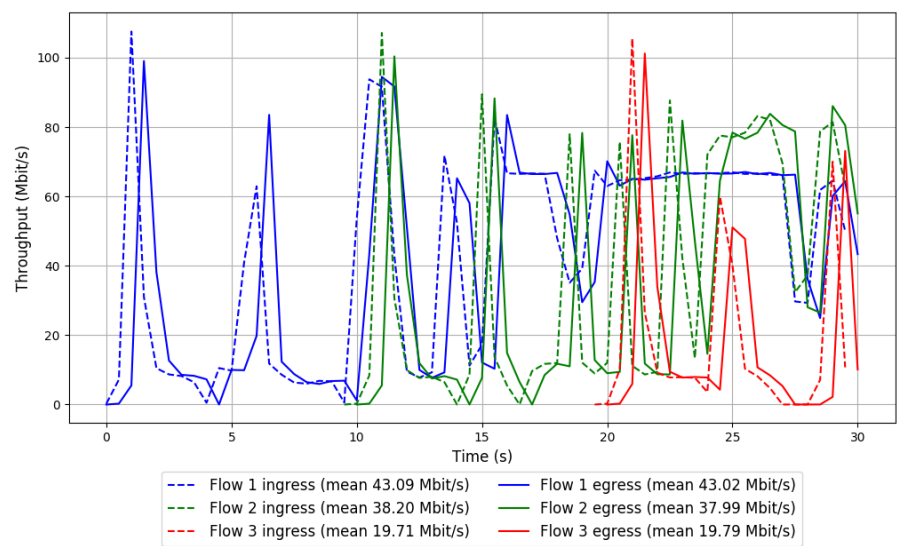
-- Flow 3:

Average throughput: 19.79 Mbit/s

95th percentile per-packet one-way delay: 49.085 ms

Loss rate: 0.62%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-06 10:04:49

End at: 2018-07-06 10:05:19

Local clock offset: -0.075 ms

Remote clock offset: -1.06 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 54.852 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 49.36 Mbit/s

95th percentile per-packet one-way delay: 51.598 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 54.854 ms

Loss rate: 1.03%

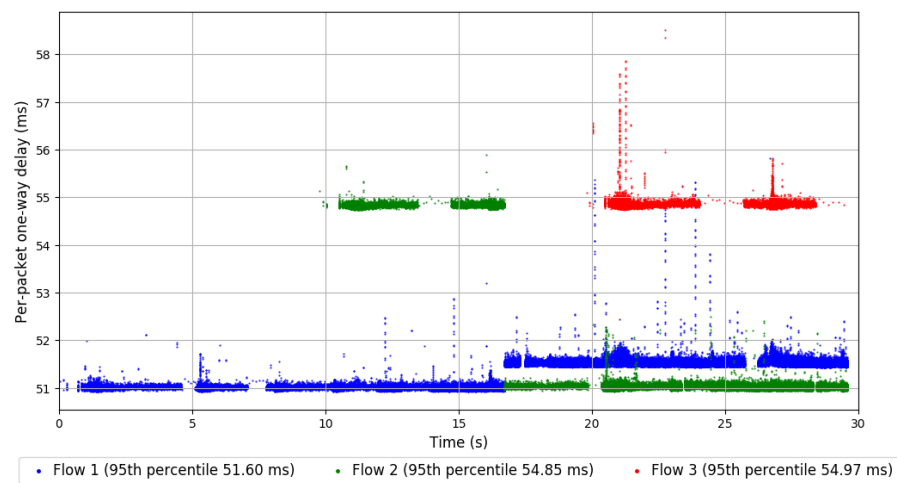
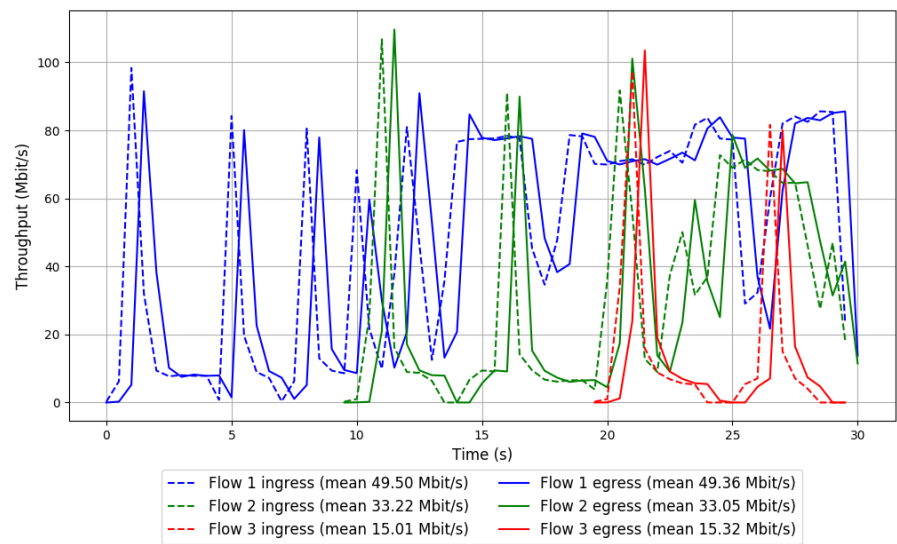
-- Flow 3:

Average throughput: 15.32 Mbit/s

95th percentile per-packet one-way delay: 54.972 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

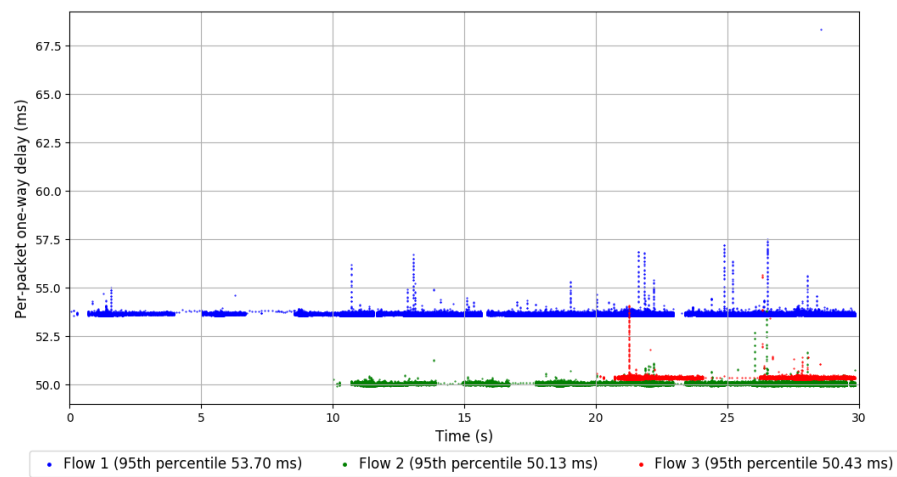
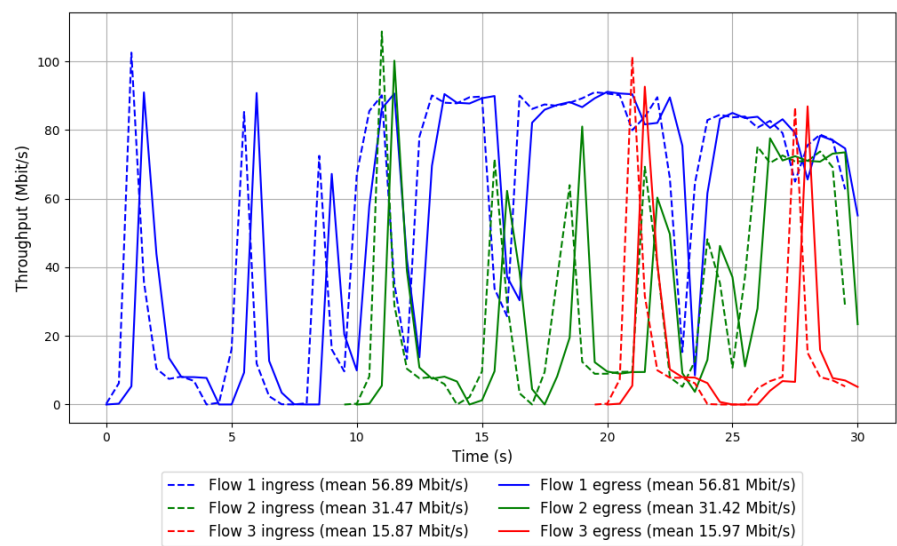


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-06 10:29:42
End at: 2018-07-06 10:30:12
Local clock offset: -0.085 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 53.691 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 53.703 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 50.132 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 50.431 ms
Loss rate: 0.45%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-06 10:54:23

End at: 2018-07-06 10:54:53

Local clock offset: -0.176 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.15 Mbit/s

95th percentile per-packet one-way delay: 53.487 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 43.42 Mbit/s

95th percentile per-packet one-way delay: 53.450 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 53.523 ms

Loss rate: 0.27%

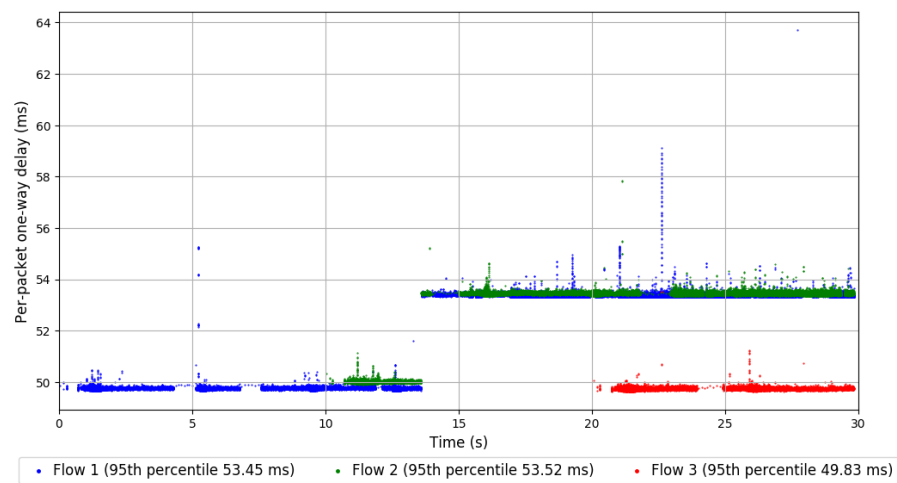
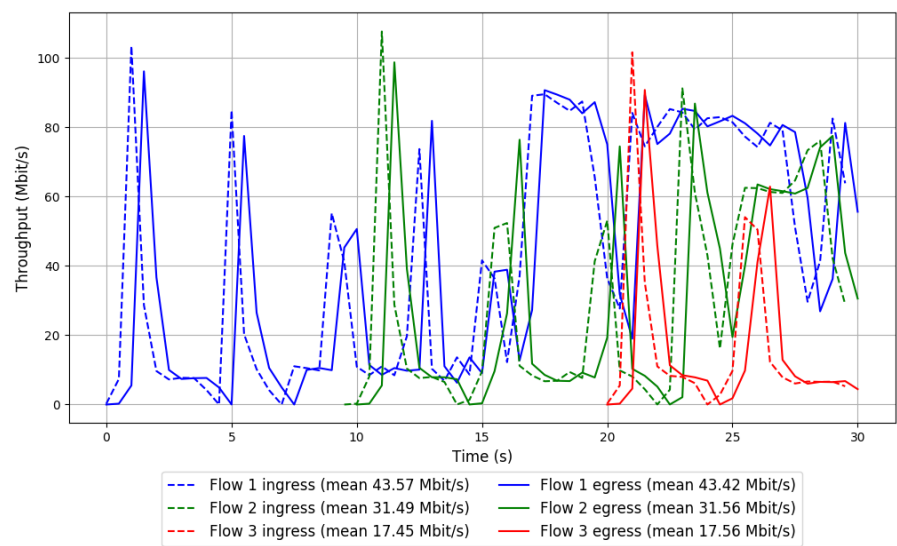
-- Flow 3:

Average throughput: 17.56 Mbit/s

95th percentile per-packet one-way delay: 49.825 ms

Loss rate: 0.43%

Run 10: Report of QUIC Cubic — Data Link

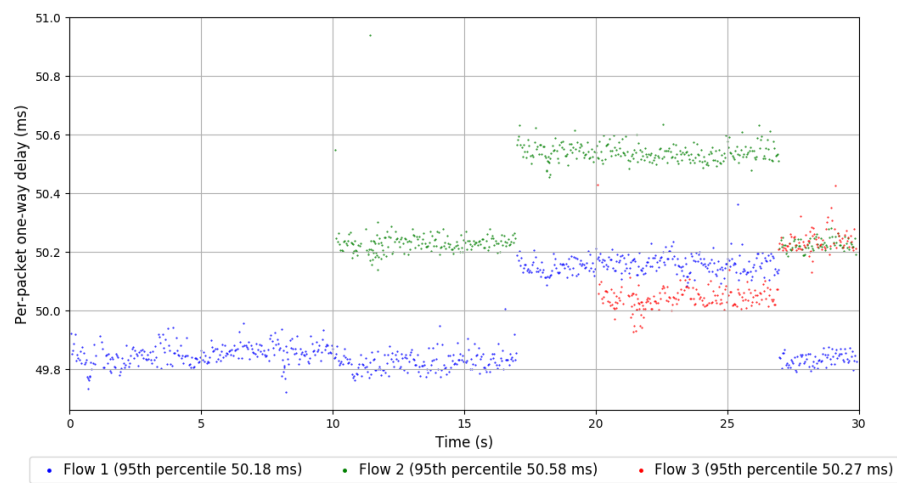
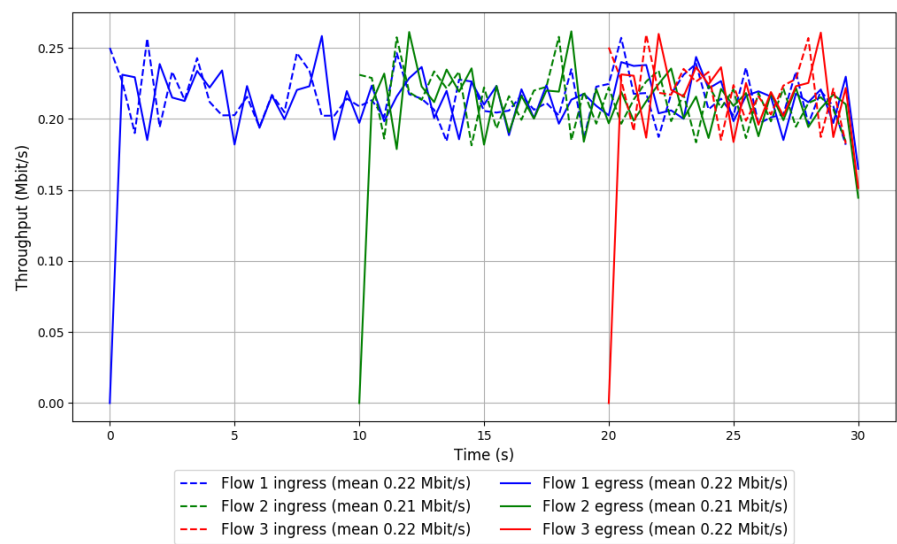


Run 1: Statistics of SReAM

Start at: 2018-07-06 07:31:19
End at: 2018-07-06 07:31:49
Local clock offset: -0.313 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.550 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.184 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.576 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.270 ms
Loss rate: 1.08%

Run 1: Report of SReAM — Data Link

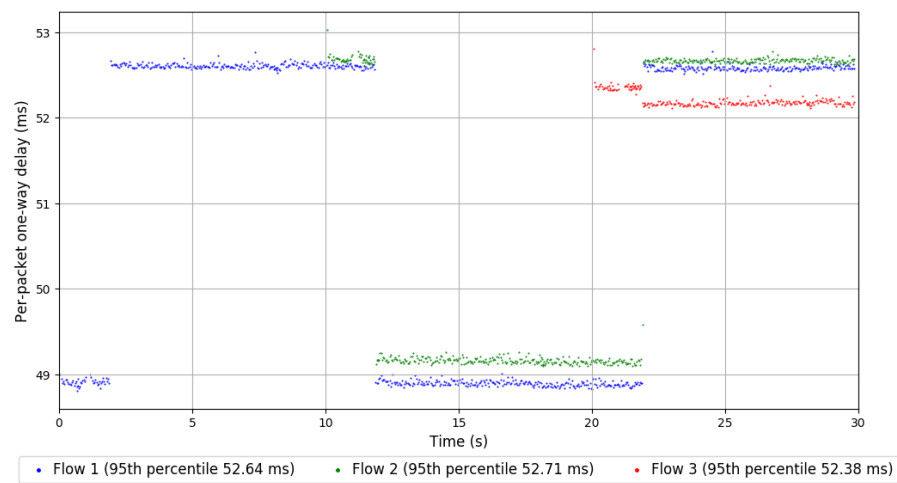
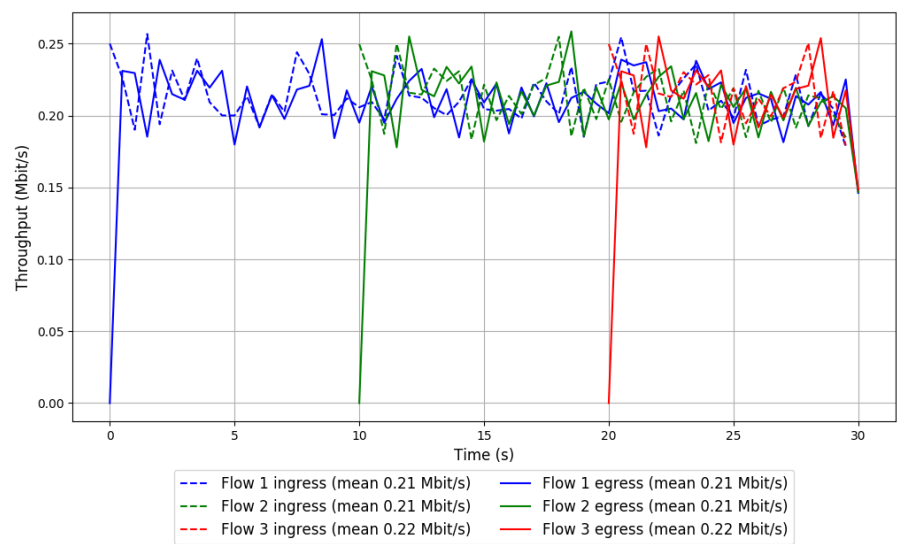


```
Run 2: Statistics of SReAM

Start at: 2018-07-06 07:55:44
End at: 2018-07-06 07:56:14
Local clock offset: 0.107 ms
Remote clock offset: 1.307 ms

# Below is generated by plot.py at 2018-07-06 13:50:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 52.687 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.641 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.706 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.375 ms
Loss rate: 1.09%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-06 08:20:18

End at: 2018-07-06 08:20:48

Local clock offset: -0.041 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.622 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.634 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 49.988 ms

Loss rate: 0.42%

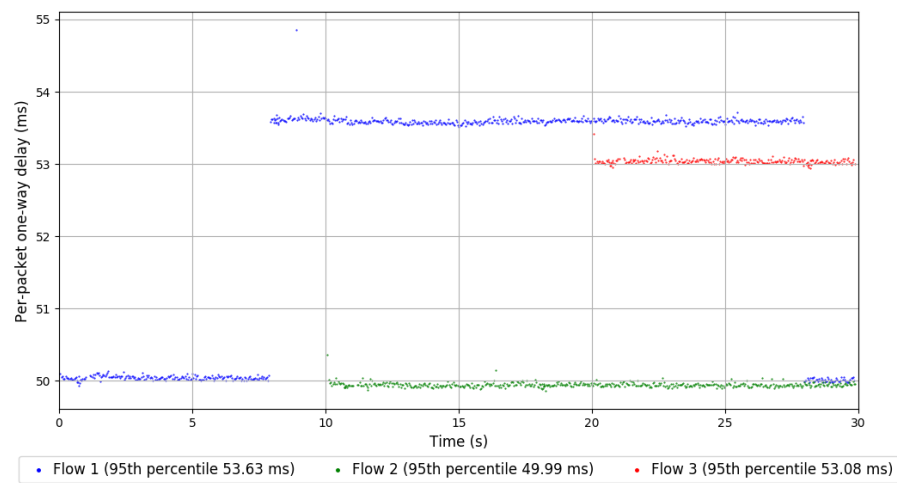
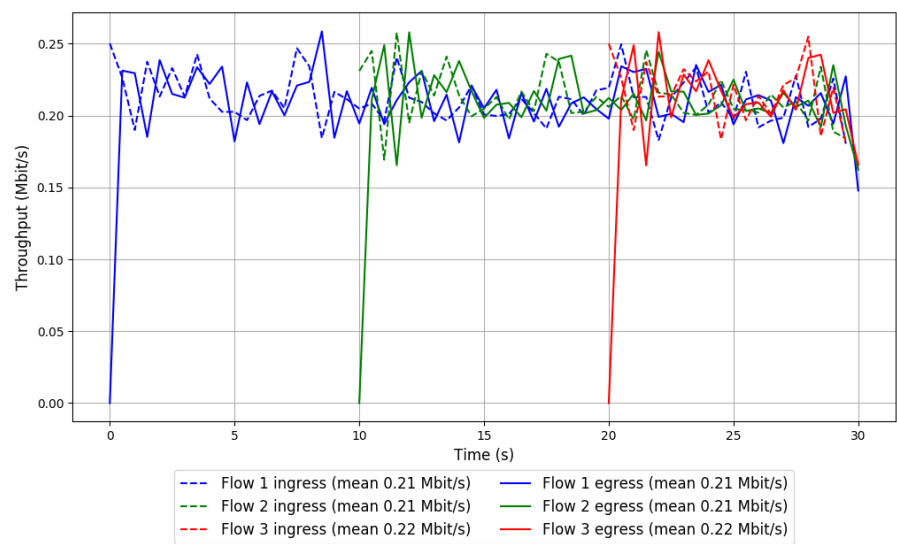
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.084 ms

Loss rate: 1.09%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-06 08:45:06

End at: 2018-07-06 08:45:36

Local clock offset: 0.126 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.861 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.574 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.848 ms

Loss rate: 0.62%

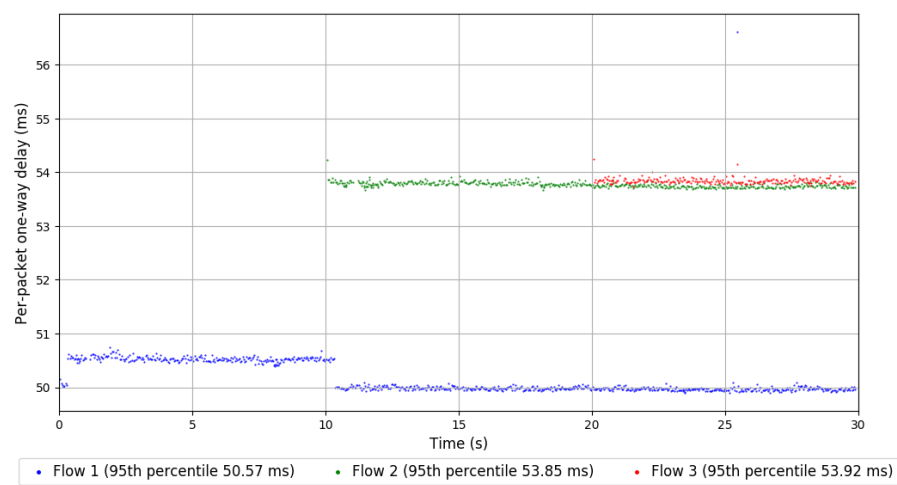
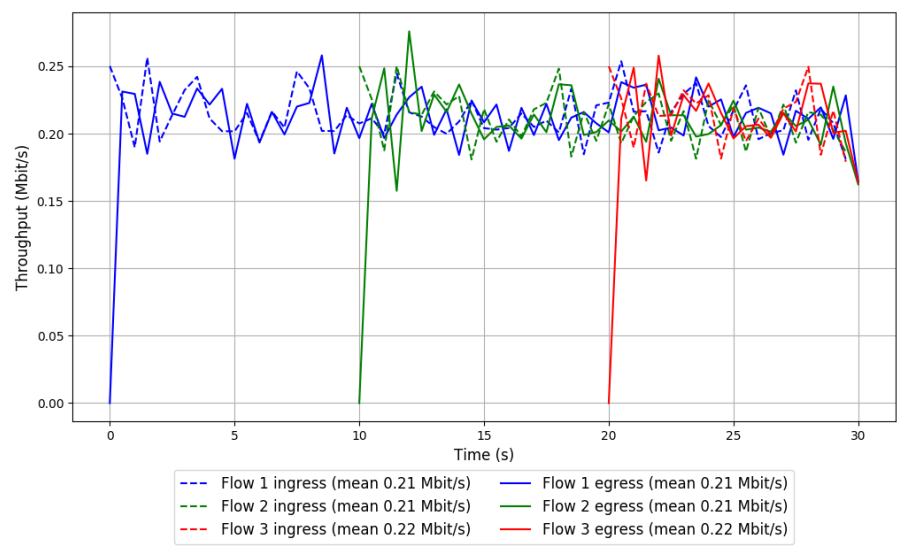
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.925 ms

Loss rate: 1.09%

Run 4: Report of SReAM — Data Link

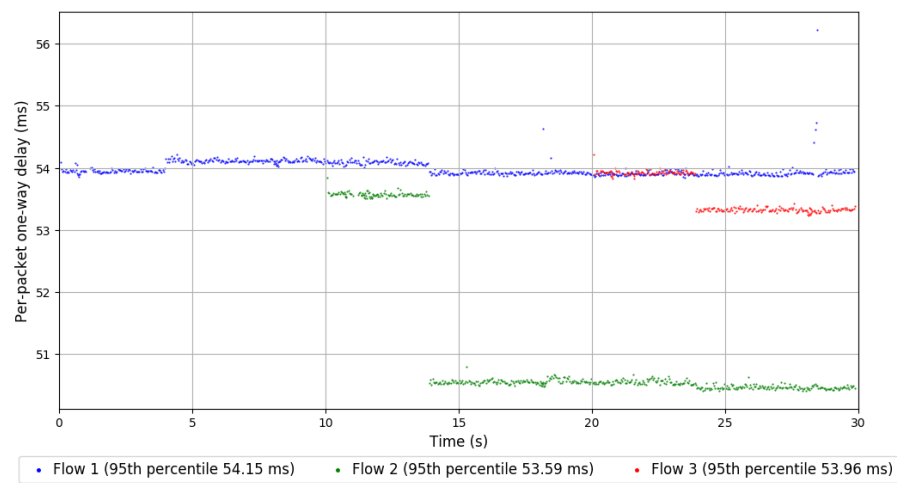
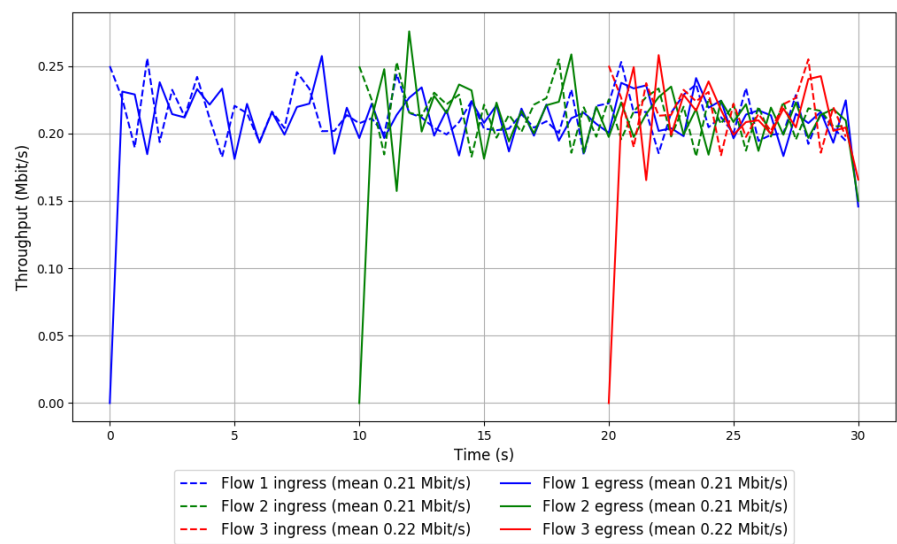


Run 5: Statistics of SReAM

Start at: 2018-07-06 09:09:42
End at: 2018-07-06 09:10:12
Local clock offset: 0.081 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.120 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.145 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.590 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.957 ms
Loss rate: 1.46%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-06 09:34:09

End at: 2018-07-06 09:34:39

Local clock offset: 0.162 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.836 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.376 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.863 ms

Loss rate: 0.62%

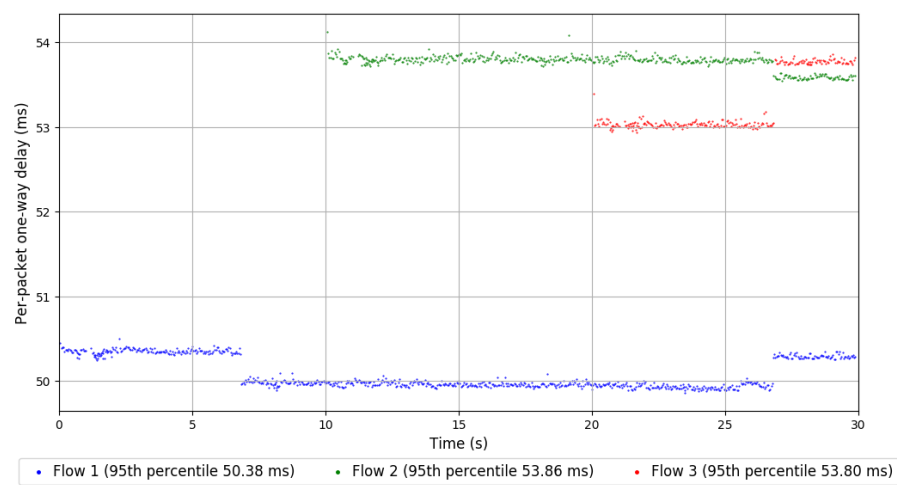
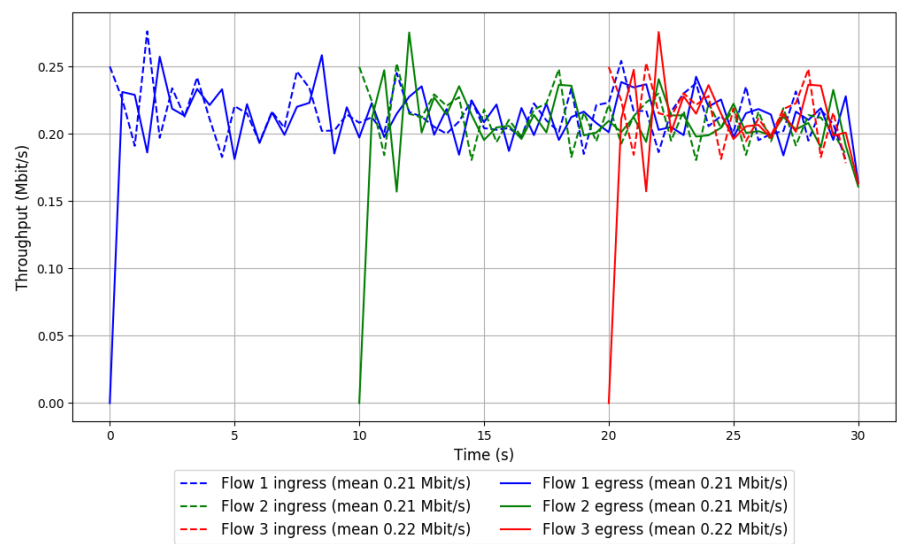
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.799 ms

Loss rate: 1.08%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-06 09:58:40

End at: 2018-07-06 09:59:10

Local clock offset: 0.107 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.894 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.907 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.174 ms

Loss rate: 0.61%

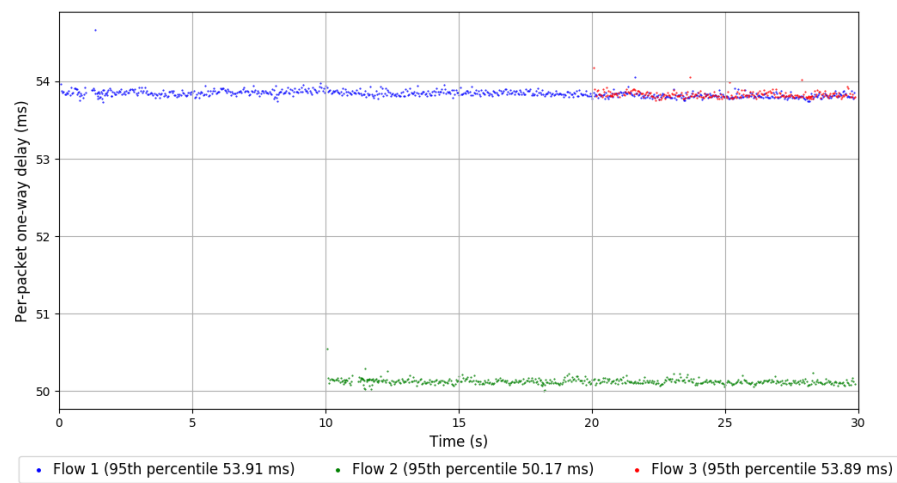
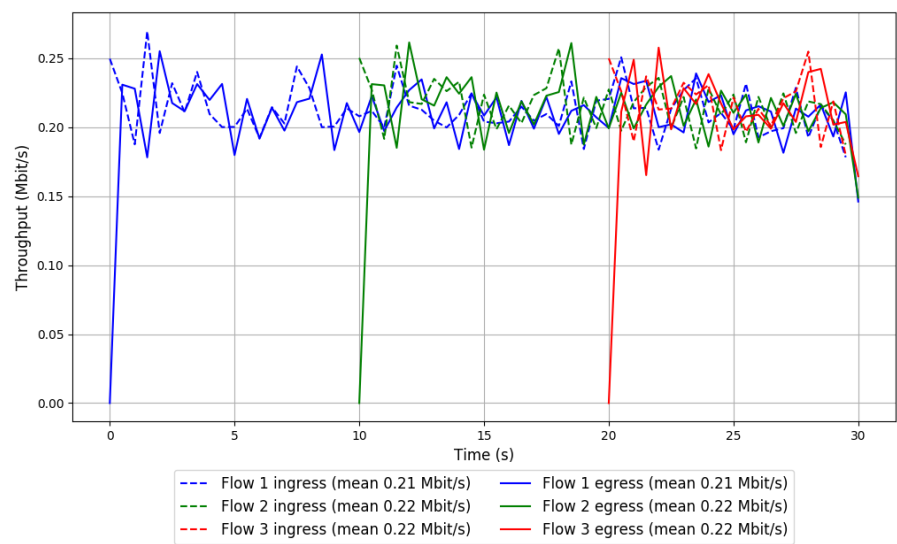
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.891 ms

Loss rate: 1.08%

Run 7: Report of SCReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-06 10:23:42

End at: 2018-07-06 10:24:12

Local clock offset: -0.237 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.591 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.608 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.932 ms

Loss rate: 0.61%

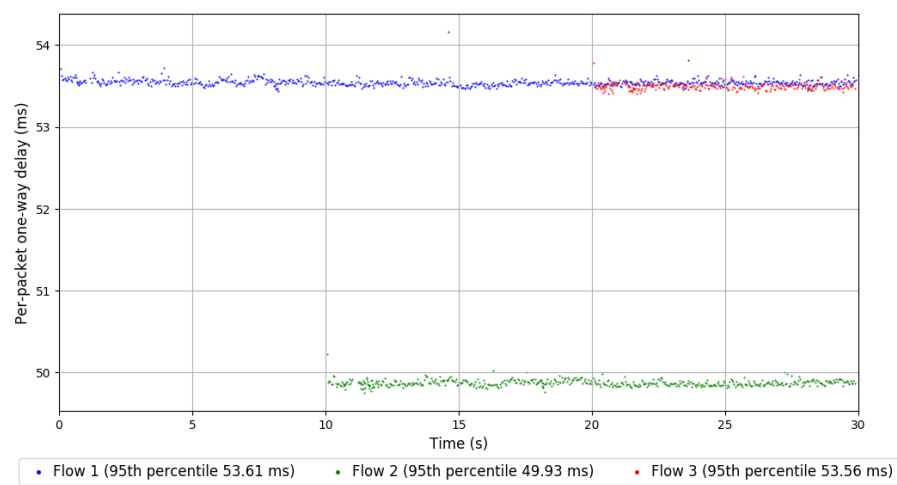
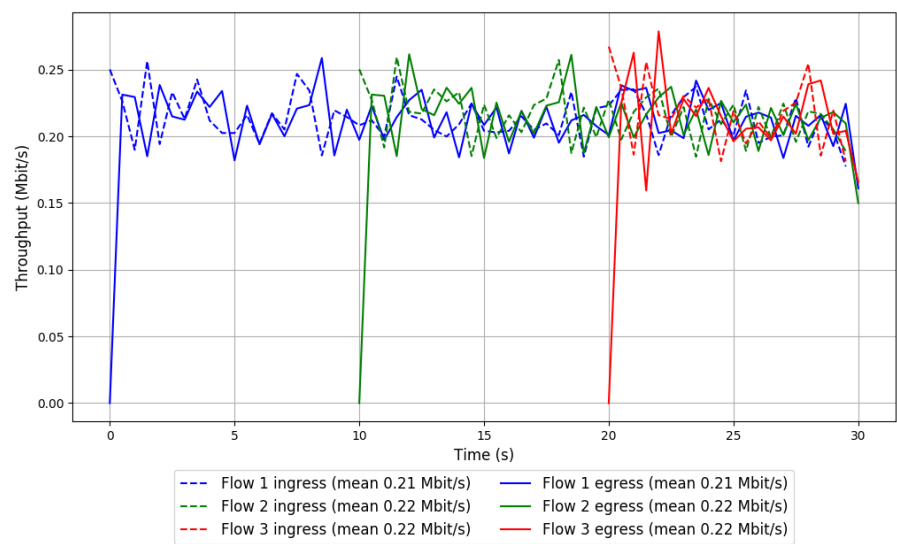
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.561 ms

Loss rate: 1.09%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-06 10:48:16

End at: 2018-07-06 10:48:46

Local clock offset: -0.121 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.827 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.670 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.845 ms

Loss rate: 0.63%

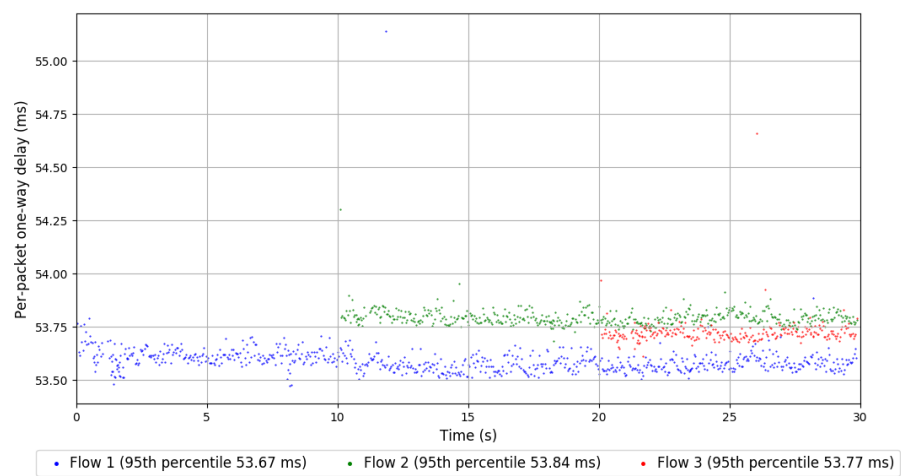
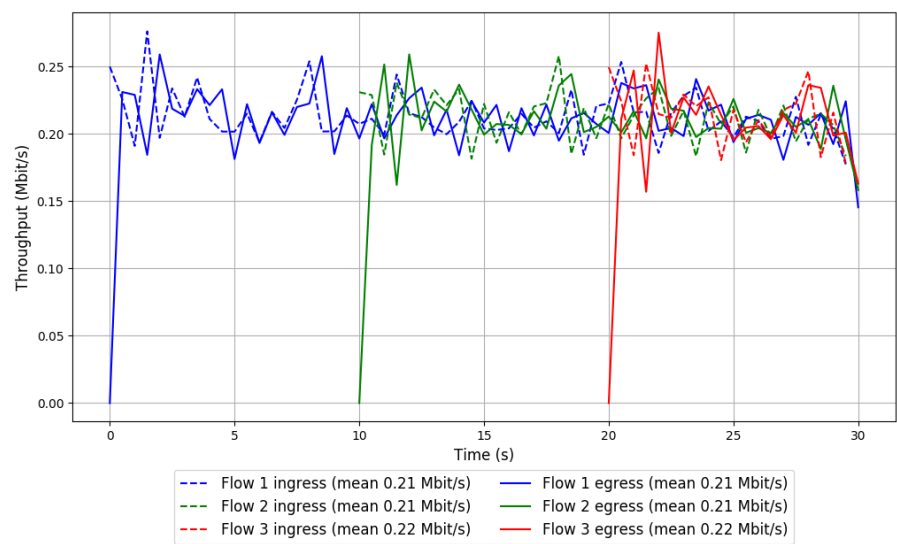
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.770 ms

Loss rate: 1.08%

Run 9: Report of SReAM — Data Link

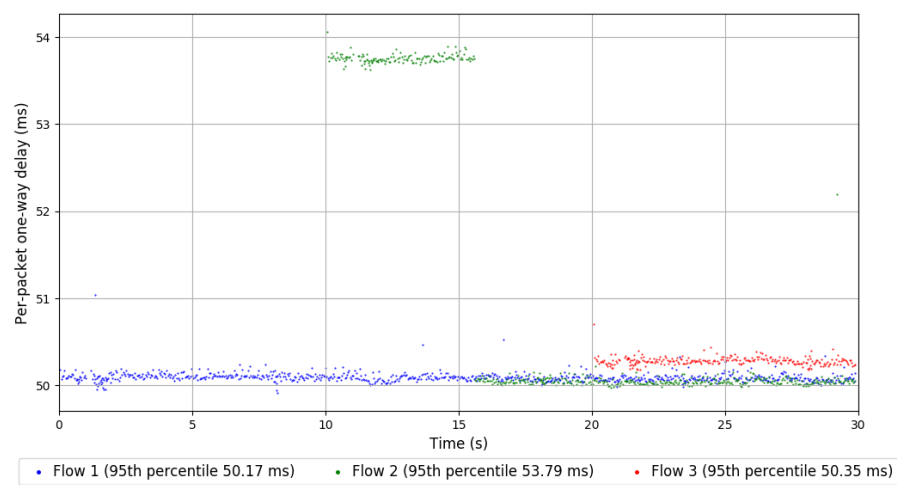
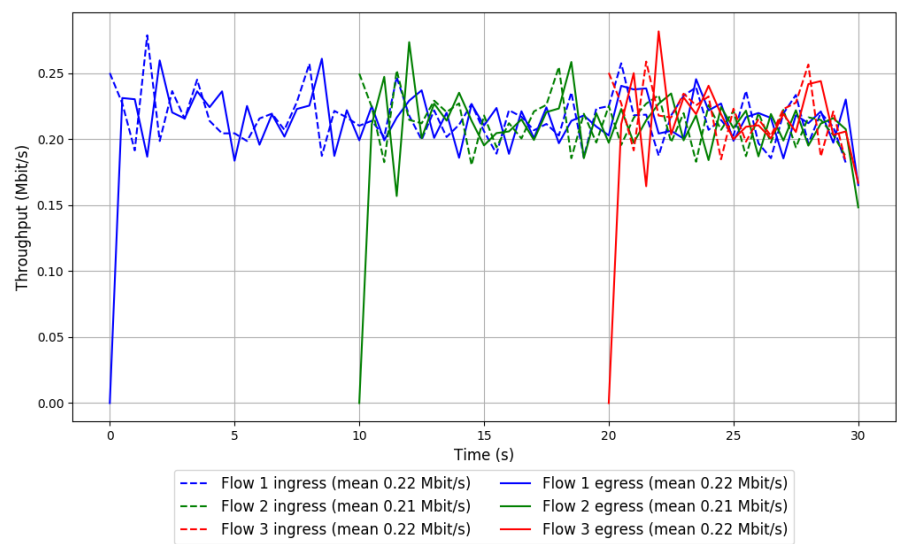


Run 10: Statistics of SReAM

Start at: 2018-07-06 11:12:51
End at: 2018-07-06 11:13:21
Local clock offset: -0.168 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.750 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.171 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.794 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.352 ms
Loss rate: 1.09%

Run 10: Report of SReAM — Data Link

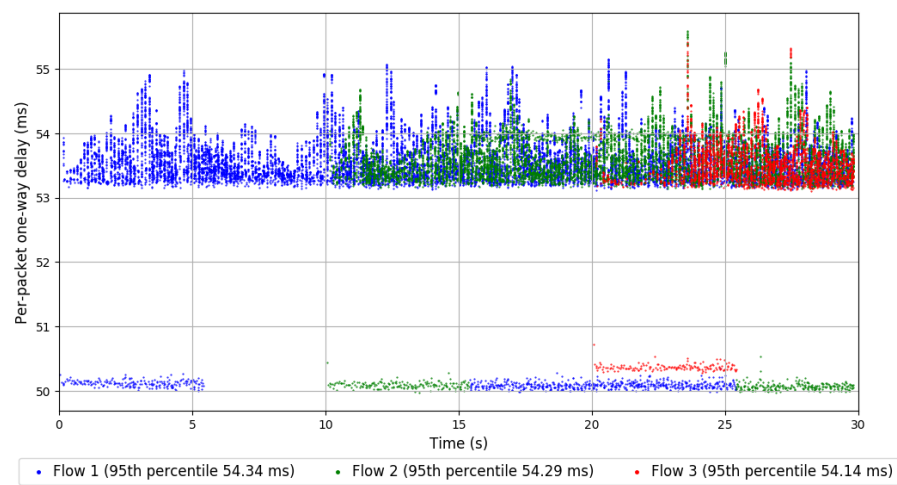
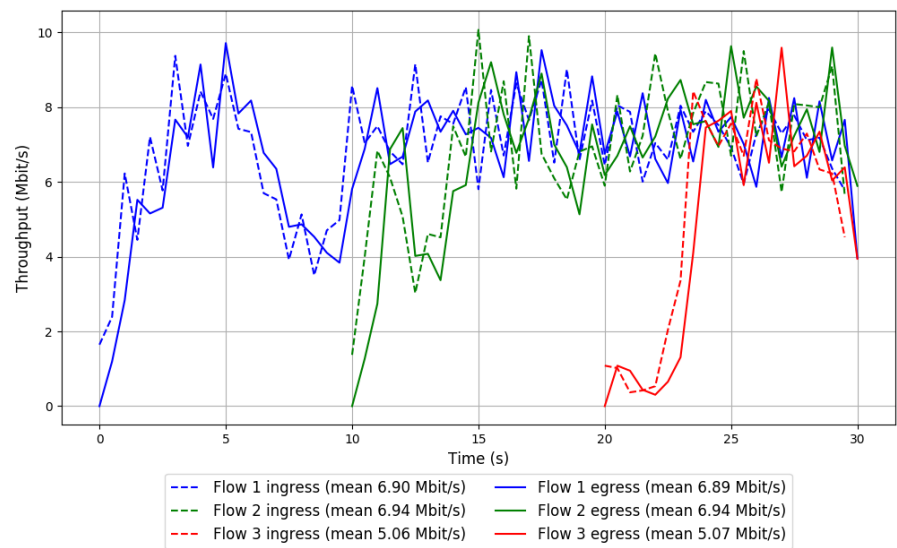


Run 1: Statistics of Sprout

Start at: 2018-07-06 07:25:41
End at: 2018-07-06 07:26:11
Local clock offset: 0.127 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 54.300 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 54.340 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 54.293 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 54.140 ms
Loss rate: 1.25%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-06 07:50:02

End at: 2018-07-06 07:50:32

Local clock offset: 0.104 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.83 Mbit/s

95th percentile per-packet one-way delay: 55.016 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 54.977 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 55.035 ms

Loss rate: 0.71%

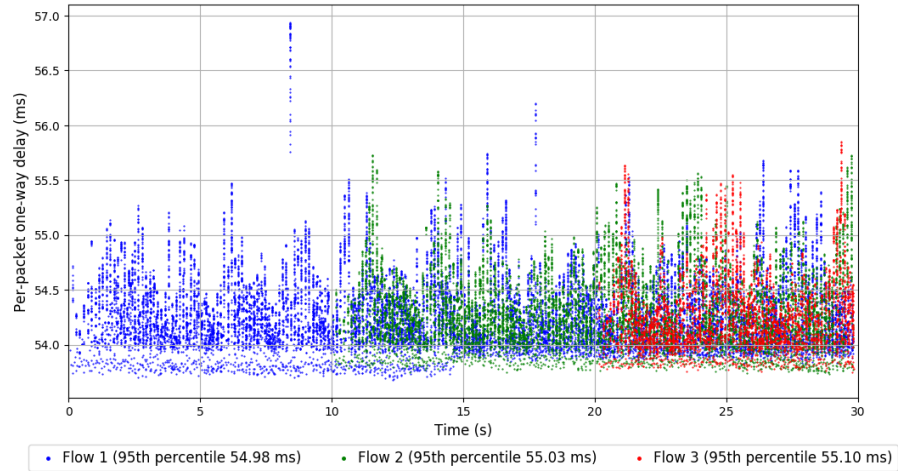
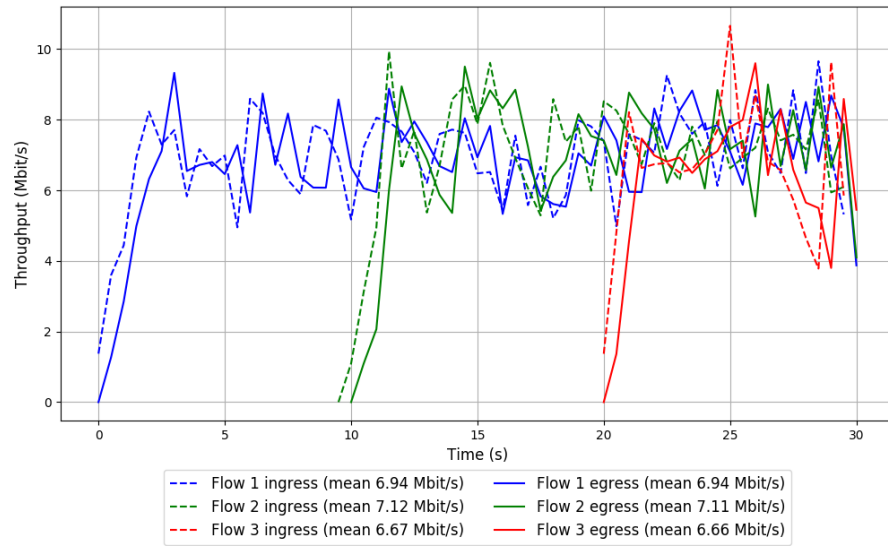
-- Flow 3:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 55.103 ms

Loss rate: 1.10%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-06 08:14:37

End at: 2018-07-06 08:15:07

Local clock offset: -0.081 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-07-06 13:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 53.750 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 53.690 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 53.783 ms

Loss rate: 0.25%

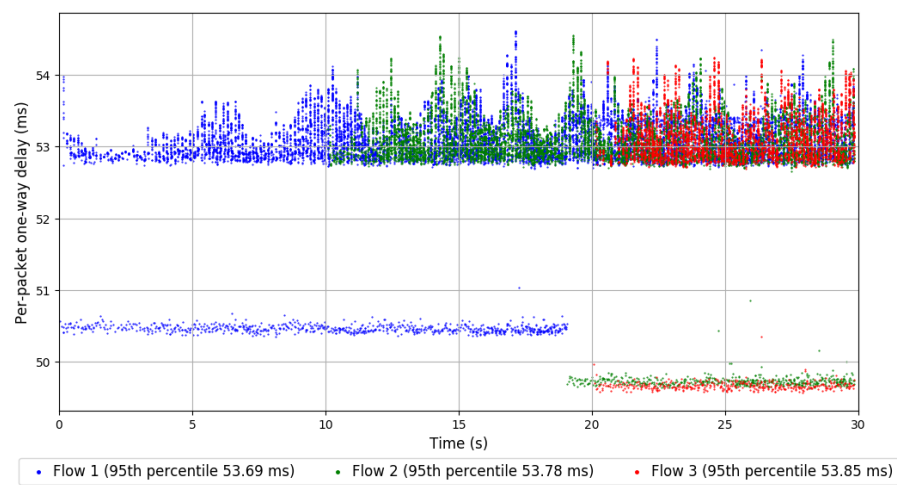
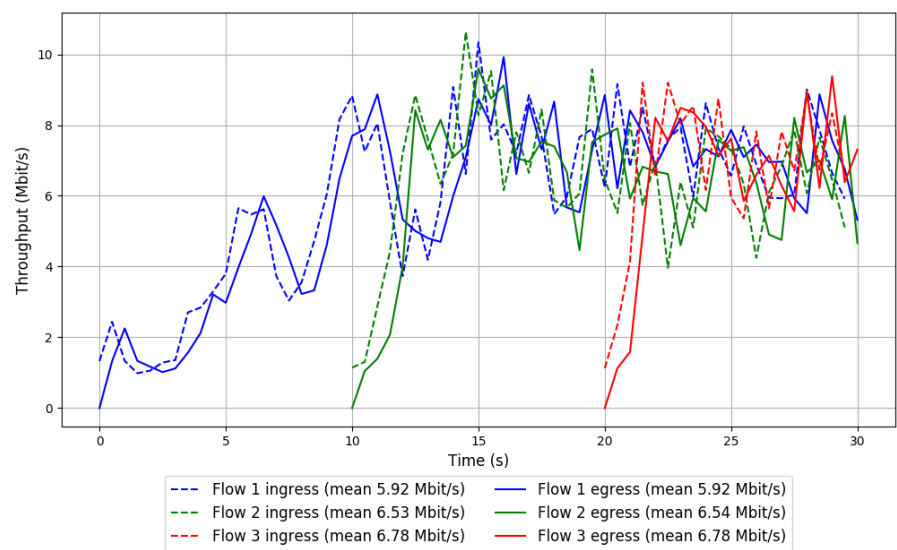
-- Flow 3:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: 53.850 ms

Loss rate: 0.94%

Run 3: Report of Sprout — Data Link

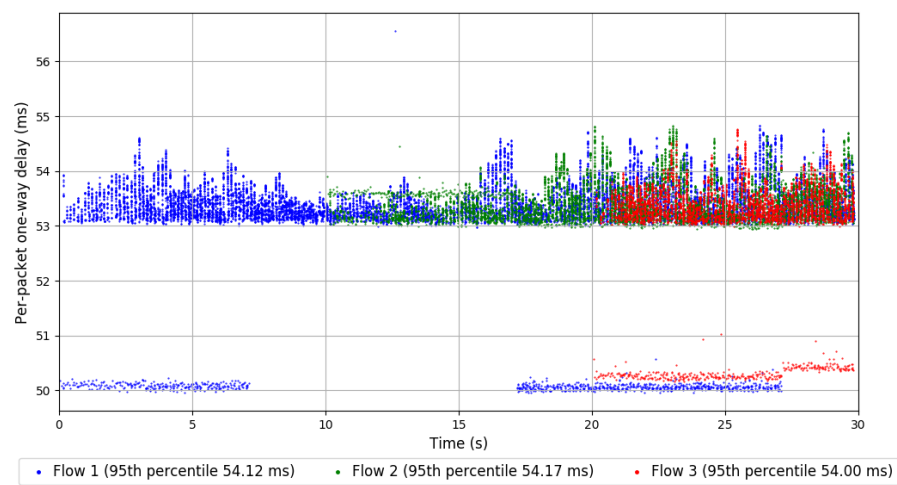
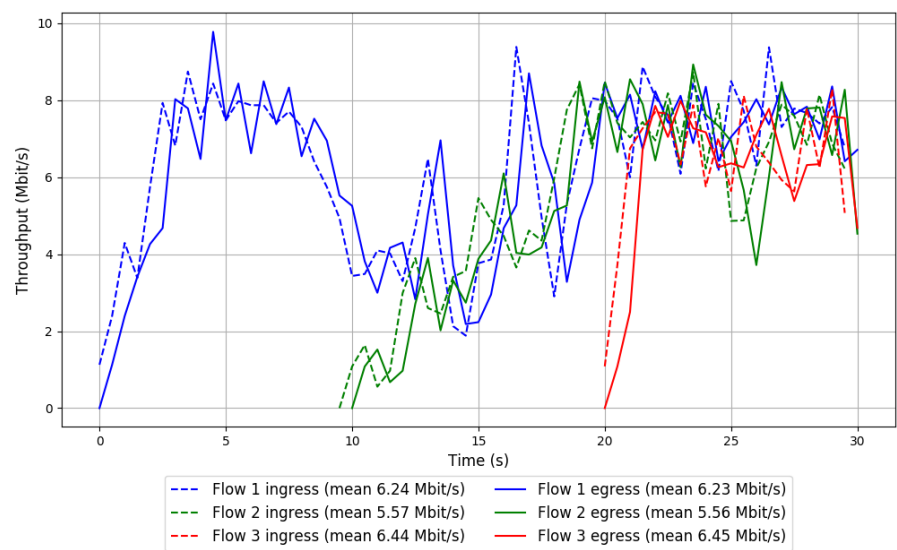


Run 4: Statistics of Sprout

Start at: 2018-07-06 08:39:19
End at: 2018-07-06 08:39:49
Local clock offset: -0.029 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 54.118 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 6.23 Mbit/s
95th percentile per-packet one-way delay: 54.119 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 54.169 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 53.998 ms
Loss rate: 0.99%

Run 4: Report of Sprout — Data Link

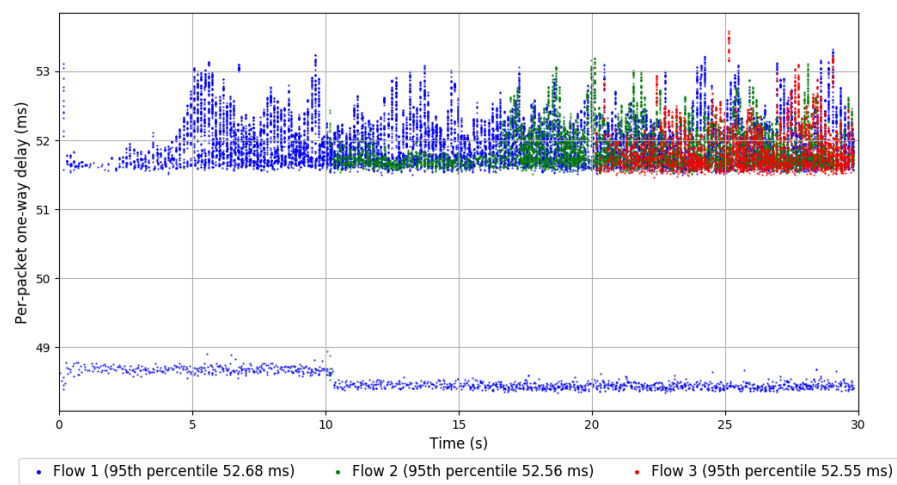
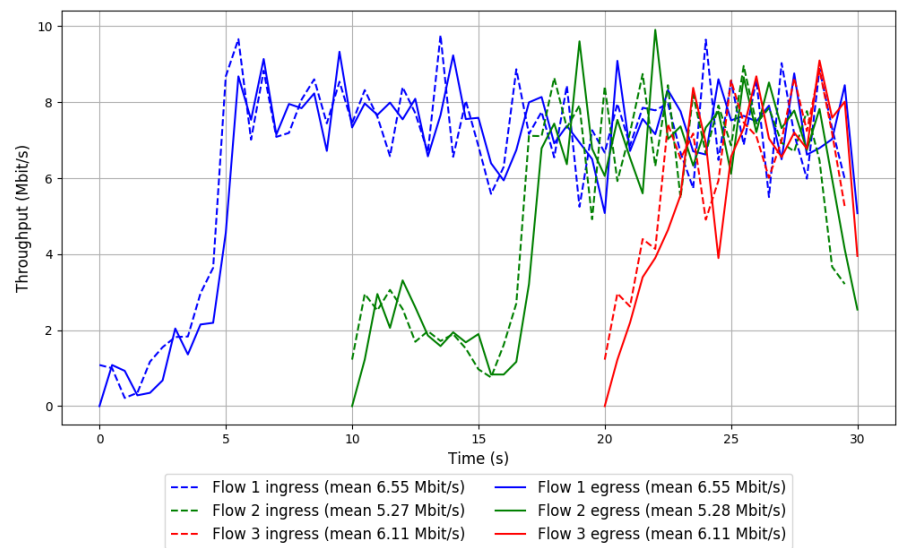


Run 5: Statistics of Sprout

Start at: 2018-07-06 09:04:06
End at: 2018-07-06 09:04:36
Local clock offset: -0.164 ms
Remote clock offset: 1.361 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 52.617 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 52.684 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 52.560 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 52.545 ms
Loss rate: 1.44%

Run 5: Report of Sprout — Data Link

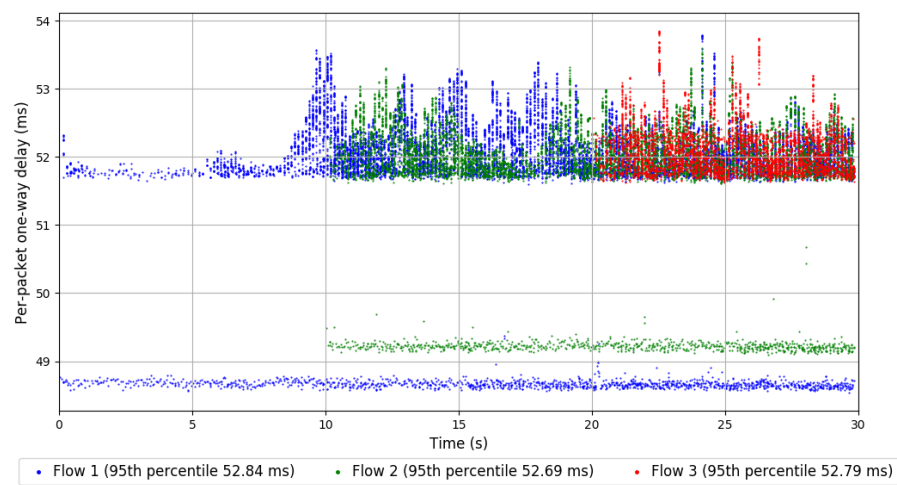
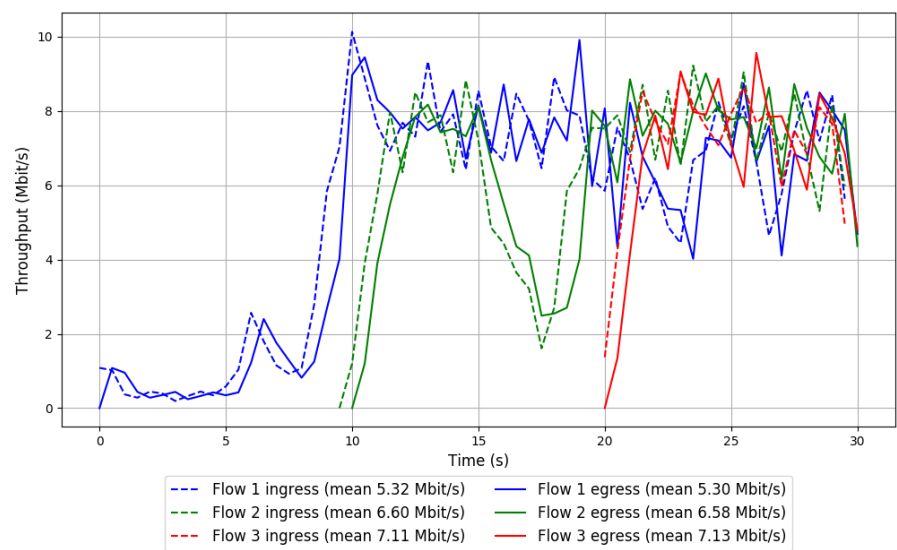


Run 6: Statistics of Sprout

Start at: 2018-07-06 09:28:38
End at: 2018-07-06 09:29:08
Local clock offset: 0.003 ms
Remote clock offset: 1.378 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 52.770 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 52.845 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 52.691 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 52.792 ms
Loss rate: 0.89%

Run 6: Report of Sprout — Data Link

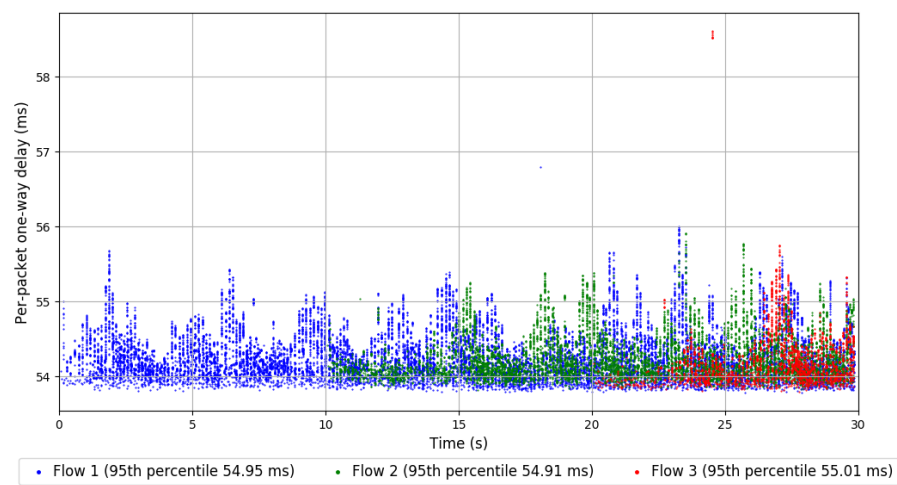
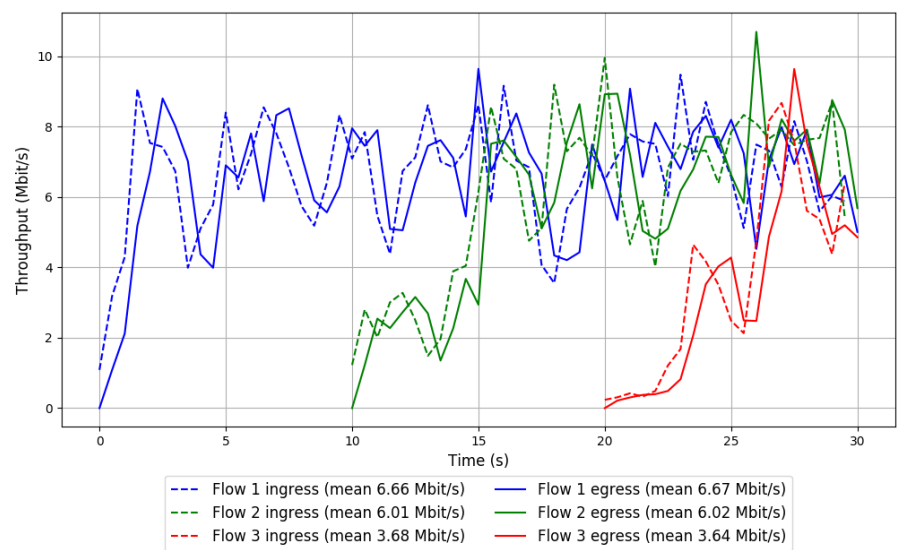


Run 7: Statistics of Sprout

Start at: 2018-07-06 09:53:05
End at: 2018-07-06 09:53:35
Local clock offset: 0.053 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 54.936 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 54.946 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 54.909 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 55.005 ms
Loss rate: 2.13%

Run 7: Report of Sprout — Data Link

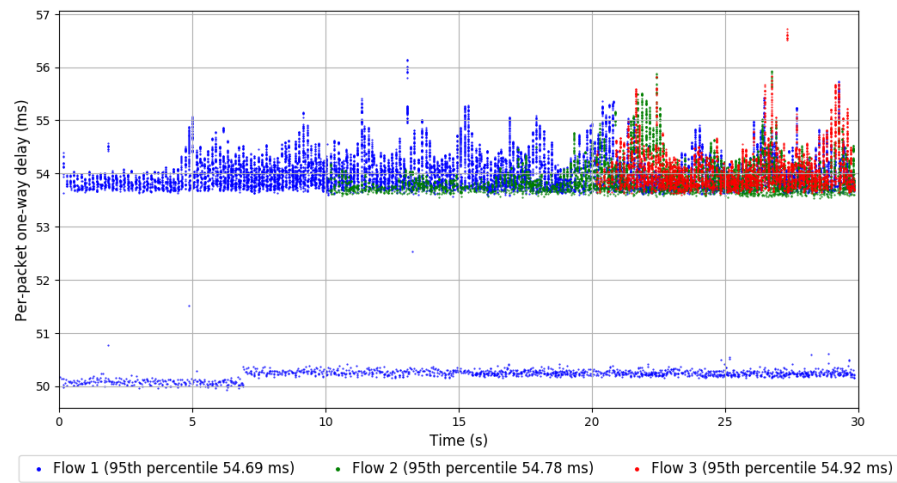
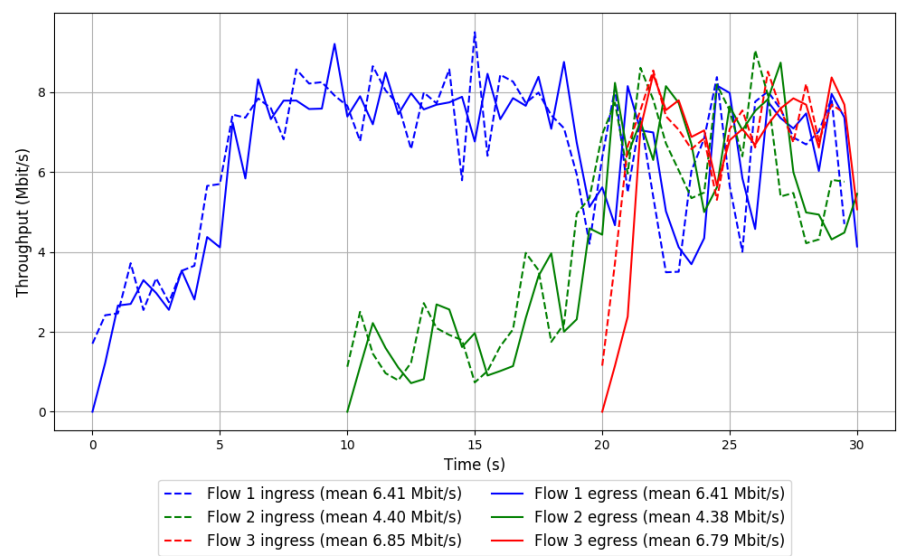


Run 8: Statistics of Sprout

Start at: 2018-07-06 10:17:59
End at: 2018-07-06 10:18:29
Local clock offset: 0.001 ms
Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 54.750 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 54.689 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 54.782 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 54.918 ms
Loss rate: 1.79%

Run 8: Report of Sprout — Data Link

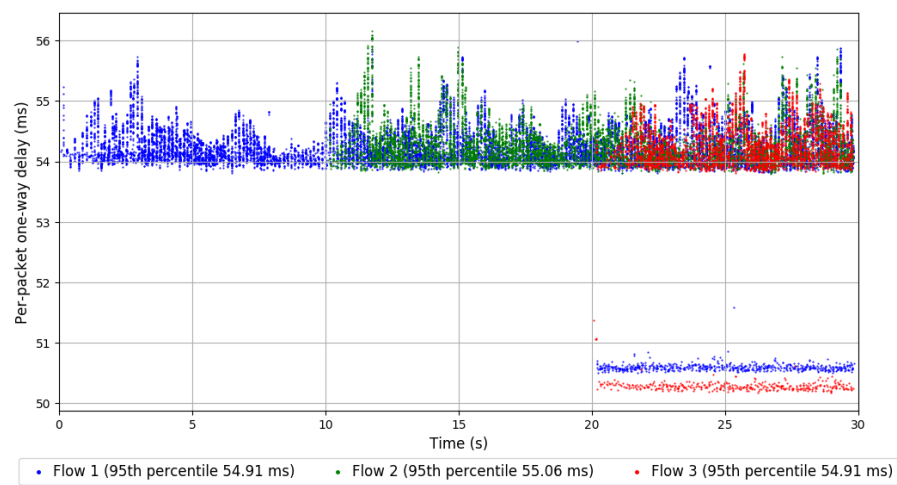
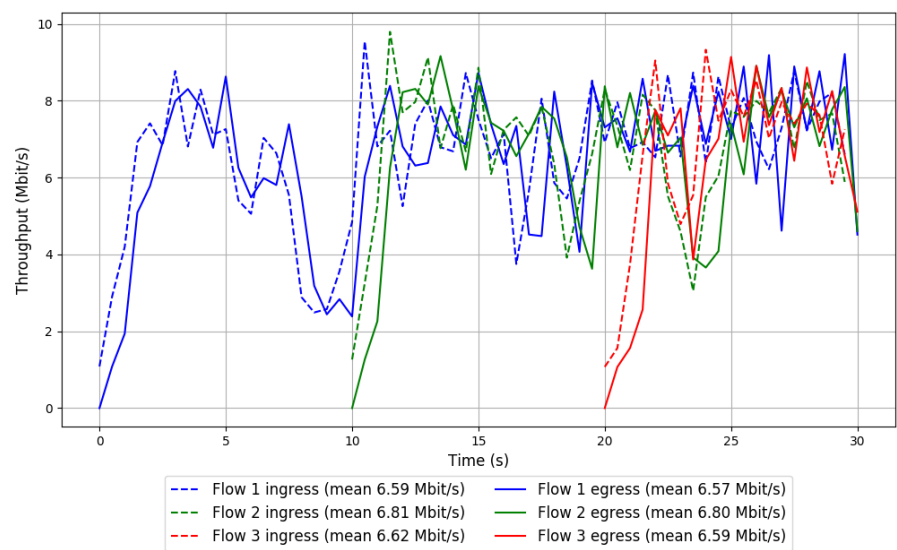


Run 9: Statistics of Sprout

Start at: 2018-07-06 10:42:36
End at: 2018-07-06 10:43:06
Local clock offset: 0.072 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 54.962 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 54.911 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 55.060 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 54.914 ms
Loss rate: 1.65%

Run 9: Report of Sprout — Data Link

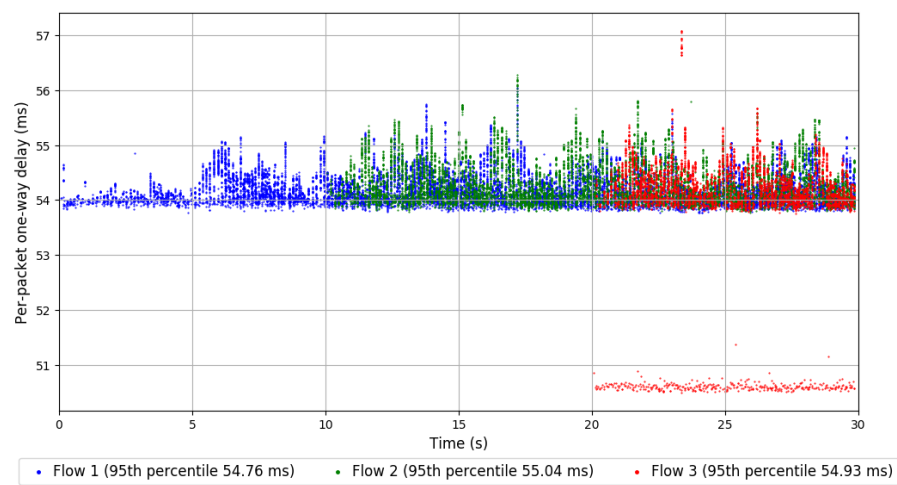
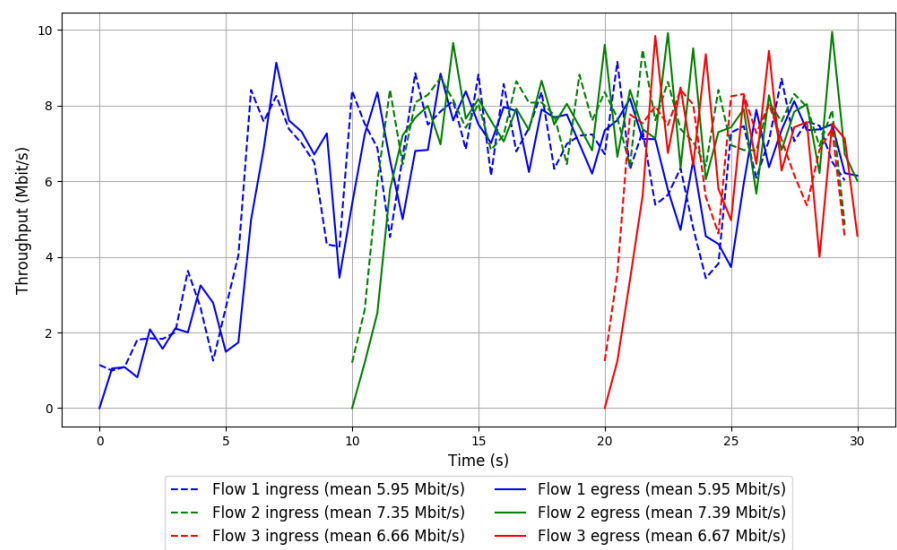


Run 10: Statistics of Sprout

Start at: 2018-07-06 11:07:05
End at: 2018-07-06 11:07:35
Local clock offset: -0.146 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 54.915 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 54.760 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 55.040 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 54.928 ms
Loss rate: 0.69%

Run 10: Report of Sprout — Data Link

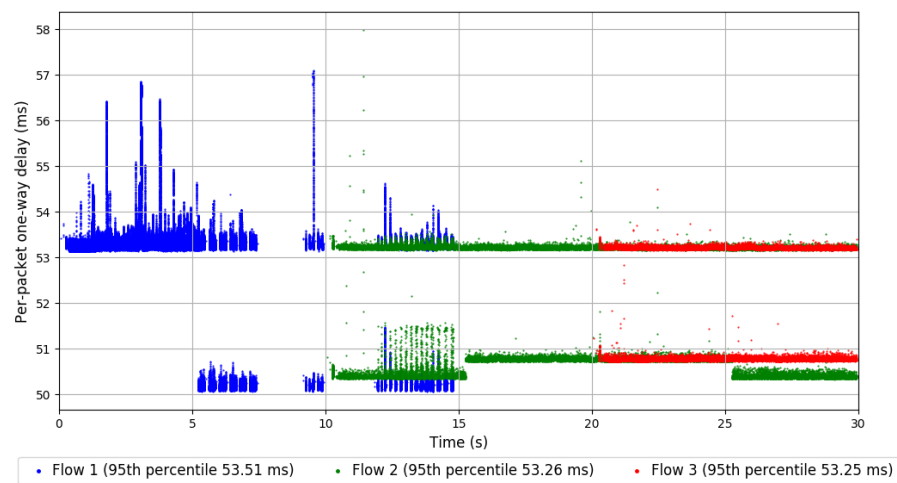
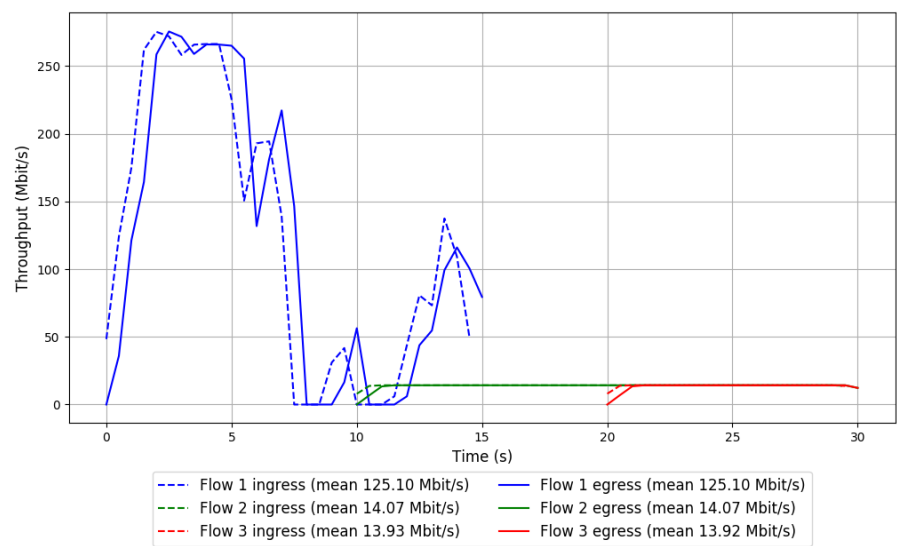


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-06 07:14:01
End at: 2018-07-06 07:14:31
Local clock offset: -0.034 ms
Remote clock offset: -0.342 ms

# Below is generated by plot.py at 2018-07-06 13:50:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 53.455 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 125.10 Mbit/s
95th percentile per-packet one-way delay: 53.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.07 Mbit/s
95th percentile per-packet one-way delay: 53.260 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 53.247 ms
Loss rate: 1.06%
```


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

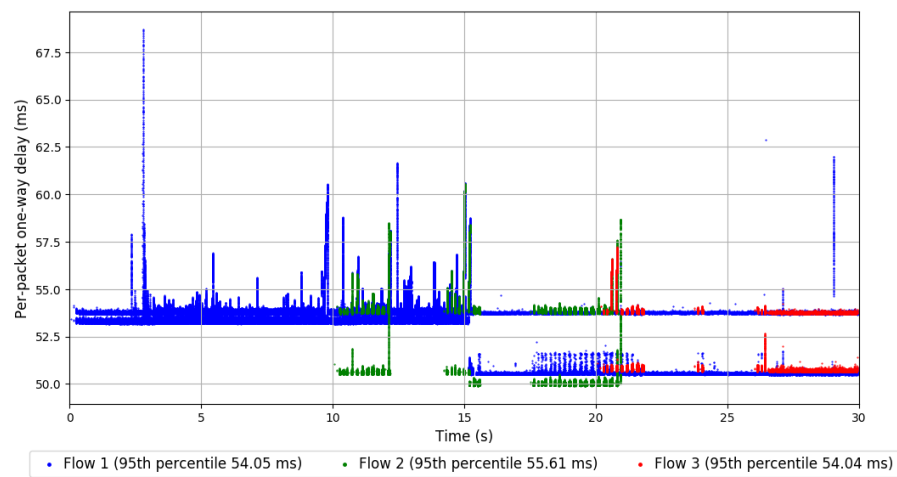
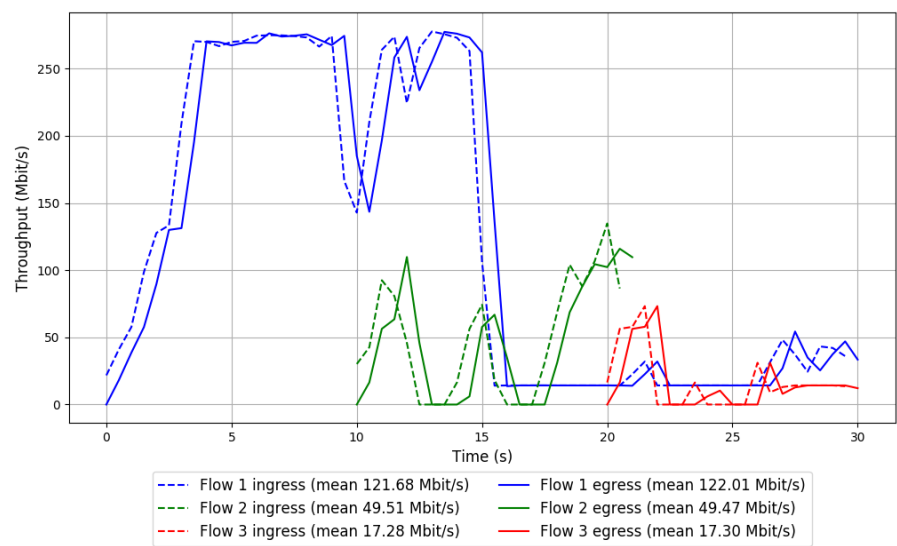


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-06 07:38:21
End at: 2018-07-06 07:38:51
Local clock offset: 0.023 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-07-06 13:50:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 145.74 Mbit/s
95th percentile per-packet one-way delay: 54.205 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 122.01 Mbit/s
95th percentile per-packet one-way delay: 54.055 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 55.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.30 Mbit/s
95th percentile per-packet one-way delay: 54.036 ms
Loss rate: 0.86%
```

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

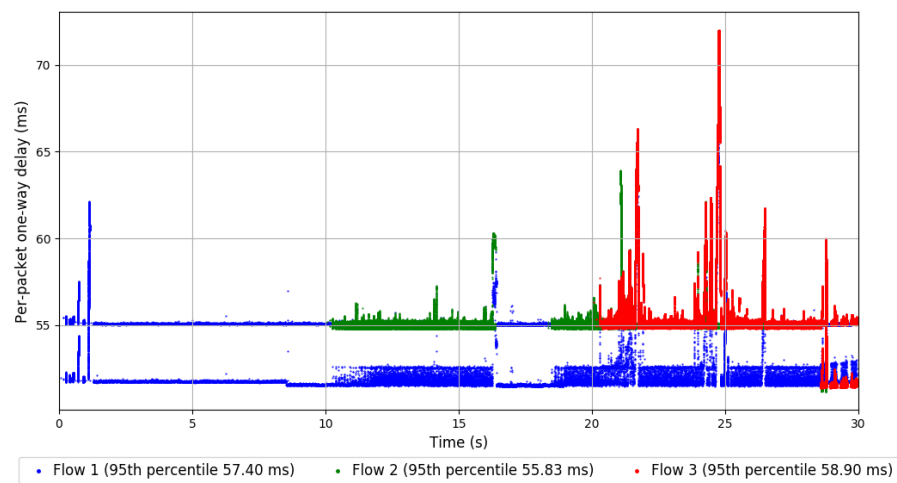
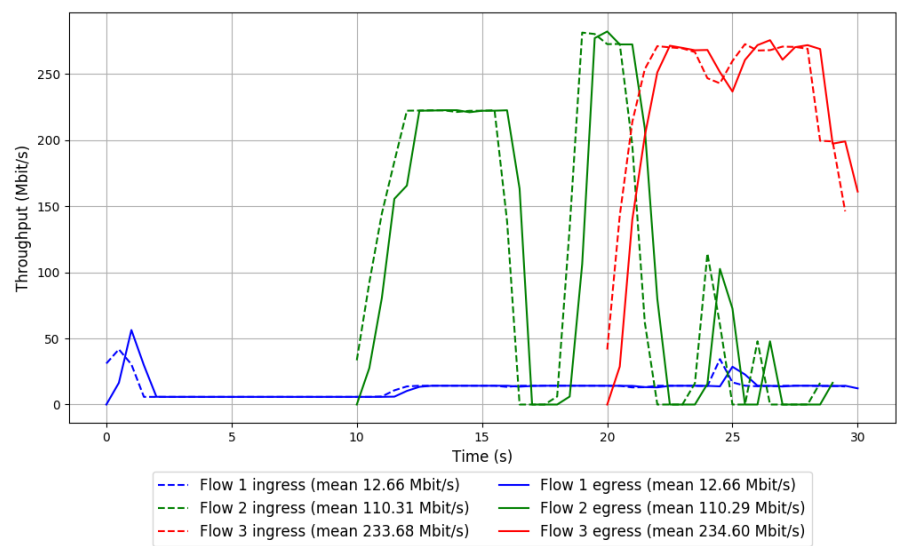


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-06 08:02:48
End at: 2018-07-06 08:03:18
Local clock offset: 0.085 ms
Remote clock offset: -1.157 ms

Below is generated by plot.py at 2018-07-06 13:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.24 Mbit/s
95th percentile per-packet one-way delay: 57.465 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 57.395 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 110.29 Mbit/s
95th percentile per-packet one-way delay: 55.828 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 234.60 Mbit/s
95th percentile per-packet one-way delay: 58.895 ms
Loss rate: 0.36%

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

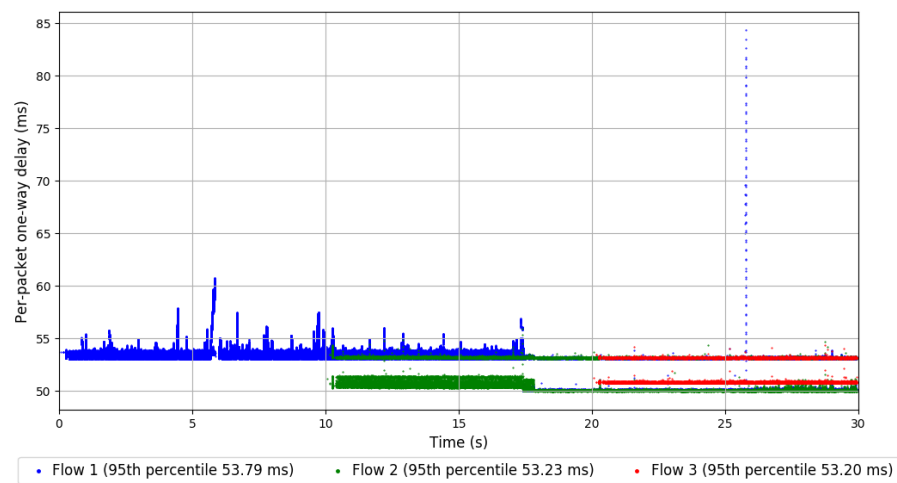
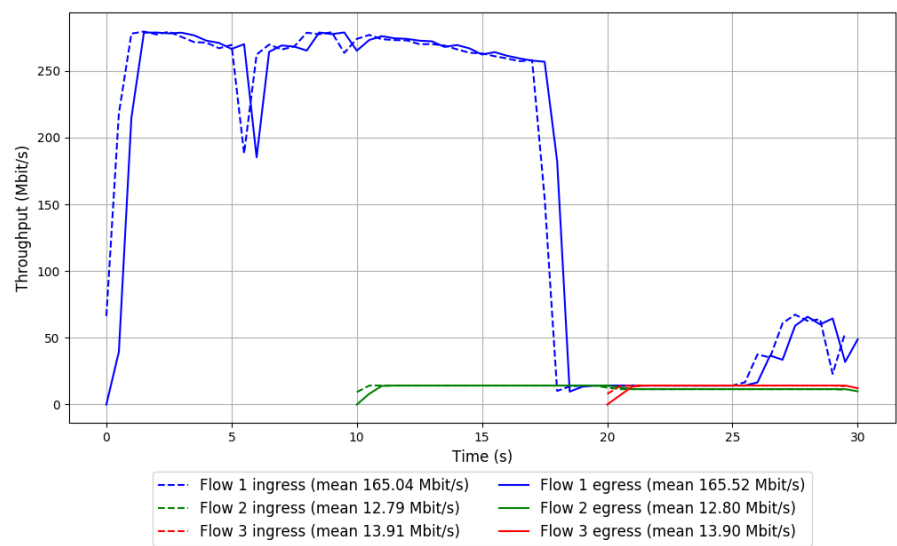


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-06 08:27:39
End at: 2018-07-06 08:28:09
Local clock offset: 0.02 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-06 13:50:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 53.778 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 165.52 Mbit/s
95th percentile per-packet one-way delay: 53.793 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 53.232 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 53.199 ms
Loss rate: 1.06%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-06 08:52:07

End at: 2018-07-06 08:52:37

Local clock offset: 0.047 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-06 13:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.89 Mbit/s

95th percentile per-packet one-way delay: 62.708 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 227.41 Mbit/s

95th percentile per-packet one-way delay: 63.603 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 147.55 Mbit/s

95th percentile per-packet one-way delay: 60.929 ms

Loss rate: 0.36%

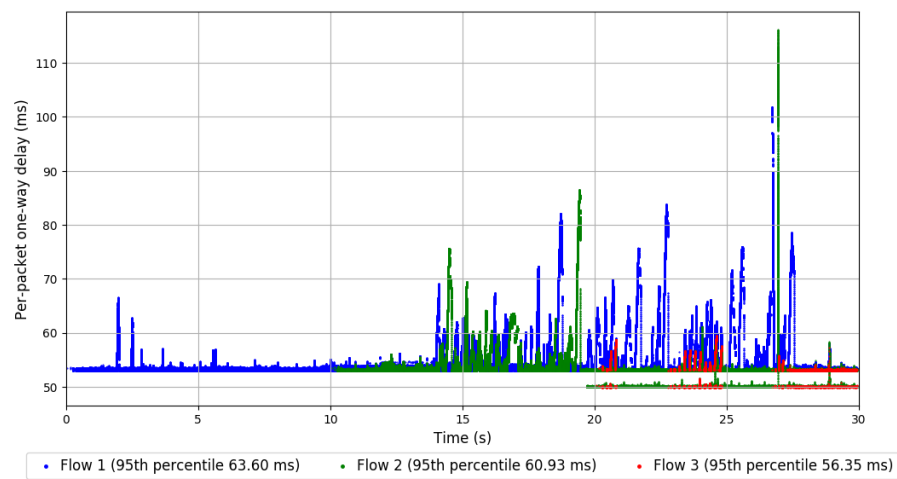
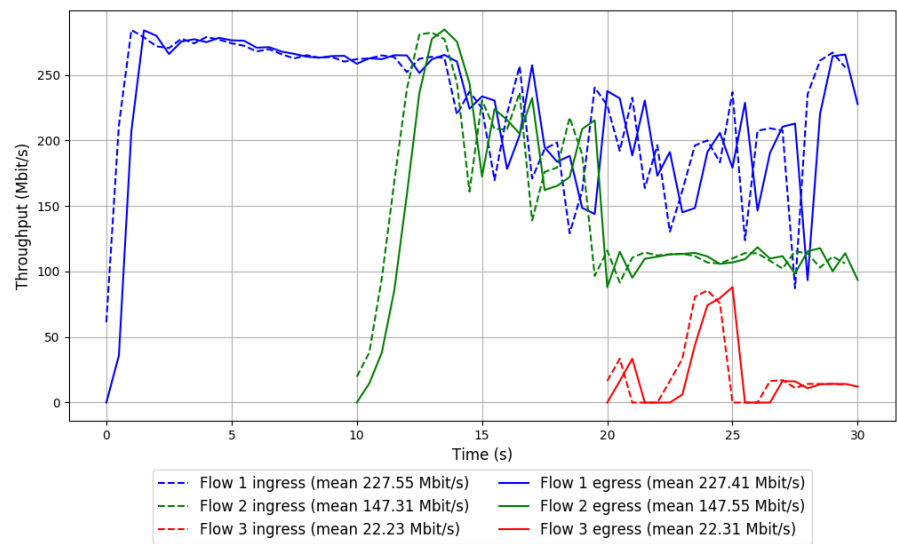
-- Flow 3:

Average throughput: 22.31 Mbit/s

95th percentile per-packet one-way delay: 56.353 ms

Loss rate: 0.67%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-06 09:16:54

End at: 2018-07-06 09:17:24

Local clock offset: -0.006 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-06 13:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 53.331 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 11.91 Mbit/s

95th percentile per-packet one-way delay: 53.122 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 64.16 Mbit/s

95th percentile per-packet one-way delay: 53.374 ms

Loss rate: 0.13%

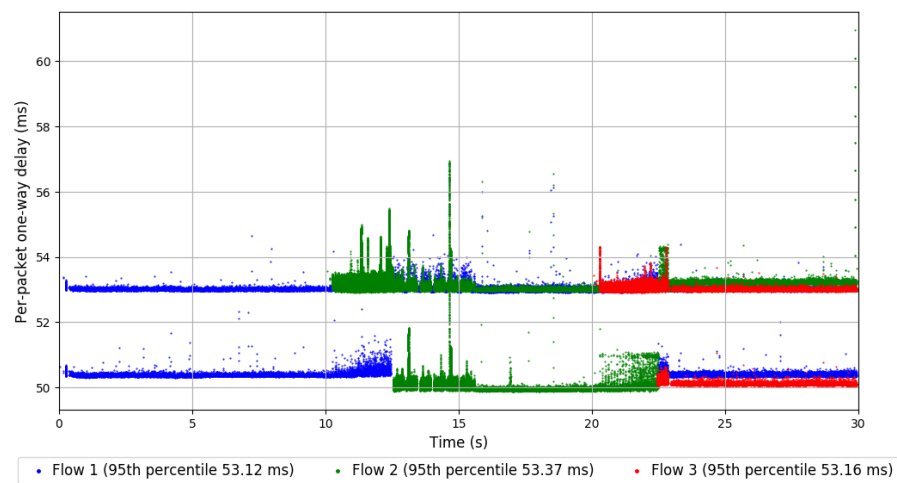
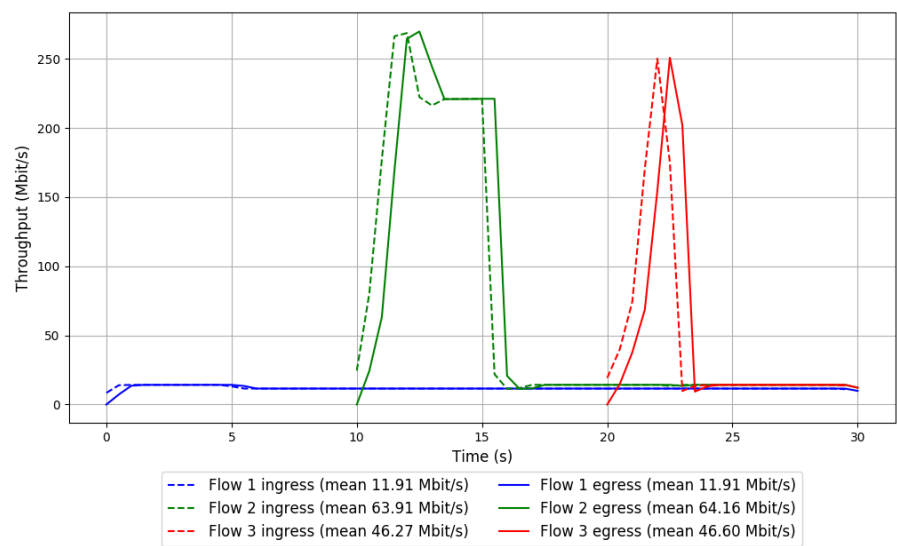
-- Flow 3:

Average throughput: 46.60 Mbit/s

95th percentile per-packet one-way delay: 53.164 ms

Loss rate: 0.32%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-06 09:41:18

End at: 2018-07-06 09:41:48

Local clock offset: 0.143 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-07-06 13:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.83 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 85.61 Mbit/s

95th percentile per-packet one-way delay: 53.598 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 53.931 ms

Loss rate: 0.01%

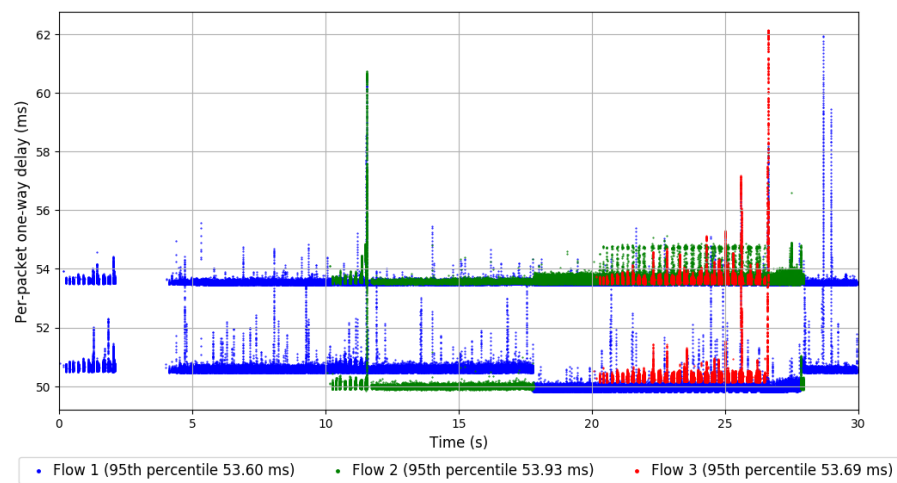
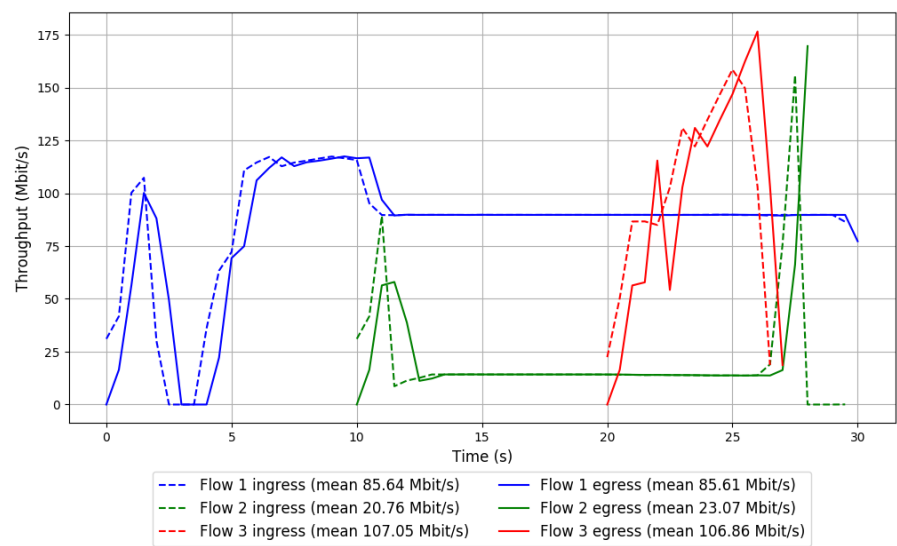
-- Flow 3:

Average throughput: 106.86 Mbit/s

95th percentile per-packet one-way delay: 53.692 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-06 10:06:01

End at: 2018-07-06 10:06:31

Local clock offset: -0.183 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-06 13:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.05 Mbit/s

95th percentile per-packet one-way delay: 55.566 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 16.81 Mbit/s

95th percentile per-packet one-way delay: 53.661 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 237.66 Mbit/s

95th percentile per-packet one-way delay: 55.278 ms

Loss rate: 0.57%

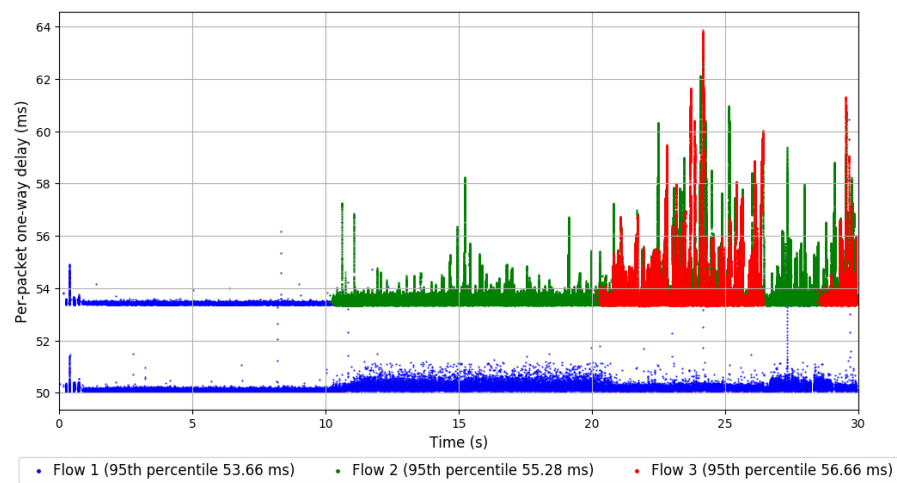
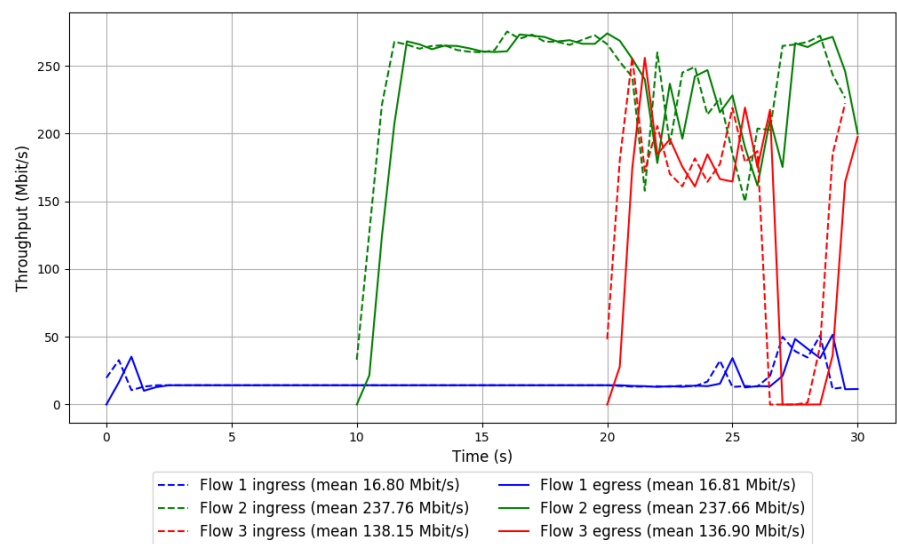
-- Flow 3:

Average throughput: 136.90 Mbit/s

95th percentile per-packet one-way delay: 56.665 ms

Loss rate: 1.94%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-06 10:30:55

End at: 2018-07-06 10:31:25

Local clock offset: -0.147 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-06 13:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 113.97 Mbit/s

95th percentile per-packet one-way delay: 53.859 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.19 Mbit/s

95th percentile per-packet one-way delay: 54.054 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 201.17 Mbit/s

95th percentile per-packet one-way delay: 53.816 ms

Loss rate: 0.00%

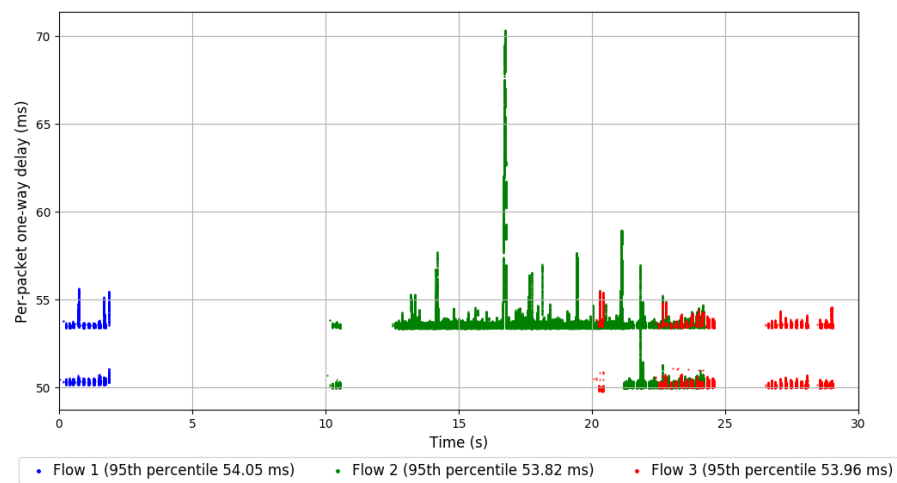
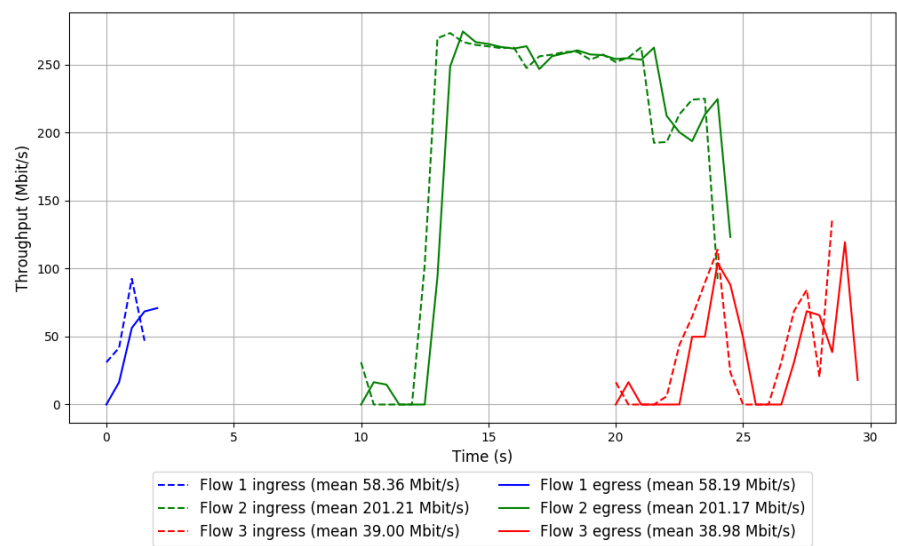
-- Flow 3:

Average throughput: 38.98 Mbit/s

95th percentile per-packet one-way delay: 53.960 ms

Loss rate: 0.00%

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

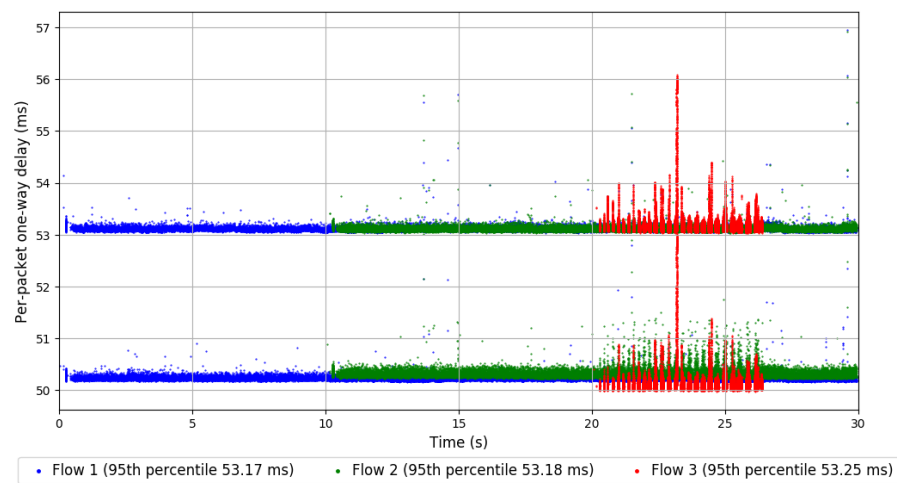
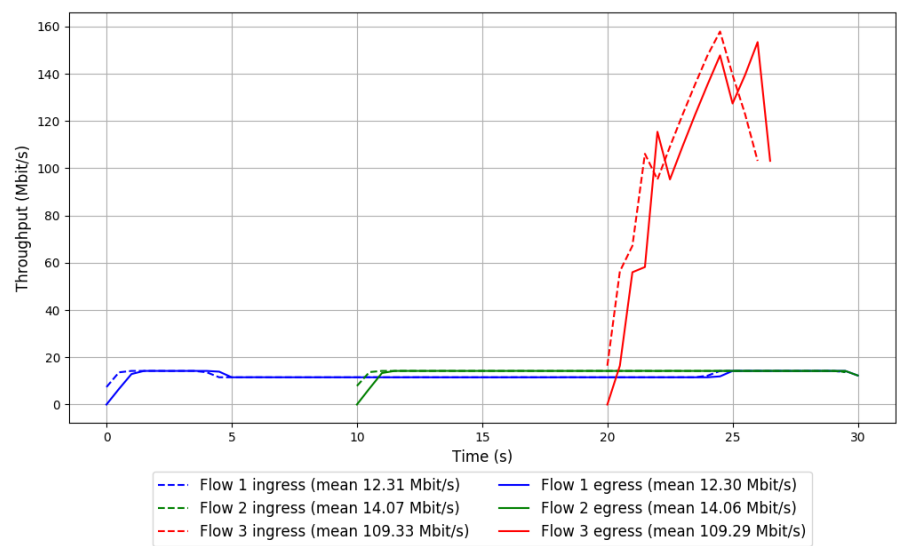


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-06 10:55:35
End at: 2018-07-06 10:56:05
Local clock offset: -0.224 ms
Remote clock offset: 0.376 ms

# Below is generated by plot.py at 2018-07-06 13:57:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.73 Mbit/s
95th percentile per-packet one-way delay: 53.215 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 53.169 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 53.180 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 109.29 Mbit/s
95th percentile per-packet one-way delay: 53.250 ms
Loss rate: 0.00%
```

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

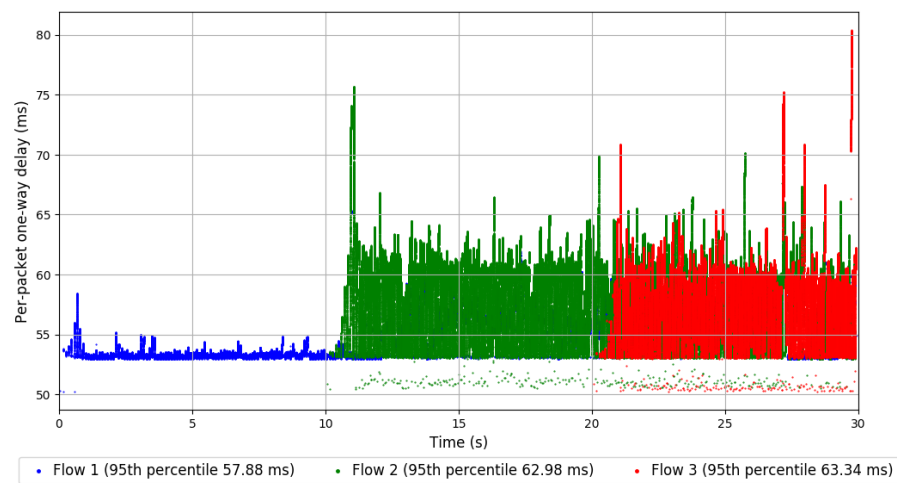
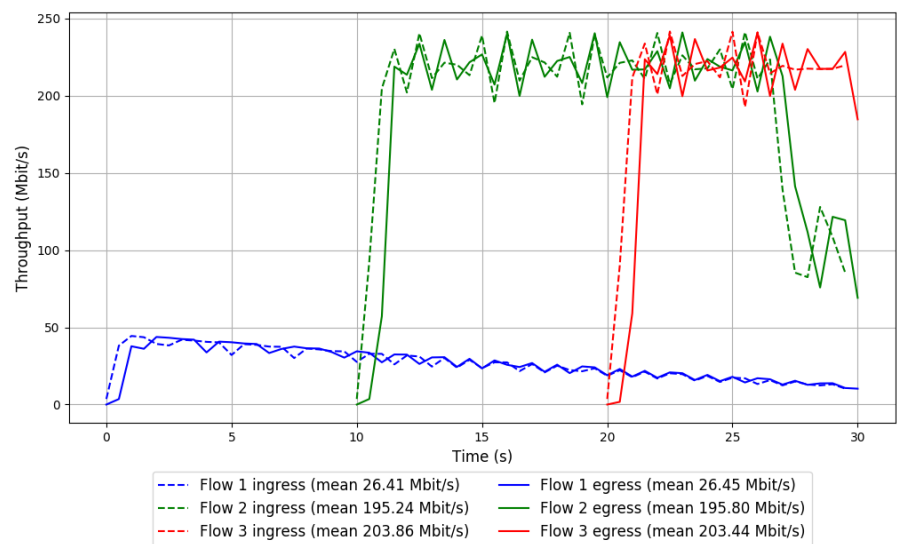


Run 1: Statistics of TCP Vegas

Start at: 2018-07-06 07:29:59
End at: 2018-07-06 07:30:29
Local clock offset: -0.075 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-06 13:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.38 Mbit/s
95th percentile per-packet one-way delay: 62.824 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 57.885 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 195.80 Mbit/s
95th percentile per-packet one-way delay: 62.982 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 203.44 Mbit/s
95th percentile per-packet one-way delay: 63.336 ms
Loss rate: 1.19%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-06 07:54:22

End at: 2018-07-06 07:54:52

Local clock offset: 0.086 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-06 13:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.35 Mbit/s

95th percentile per-packet one-way delay: 68.138 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 64.772 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 207.32 Mbit/s

95th percentile per-packet one-way delay: 69.687 ms

Loss rate: 0.21%

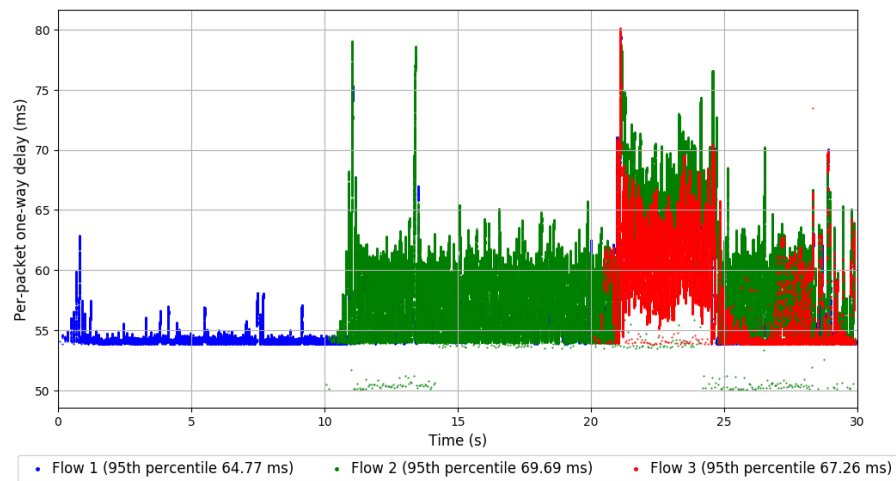
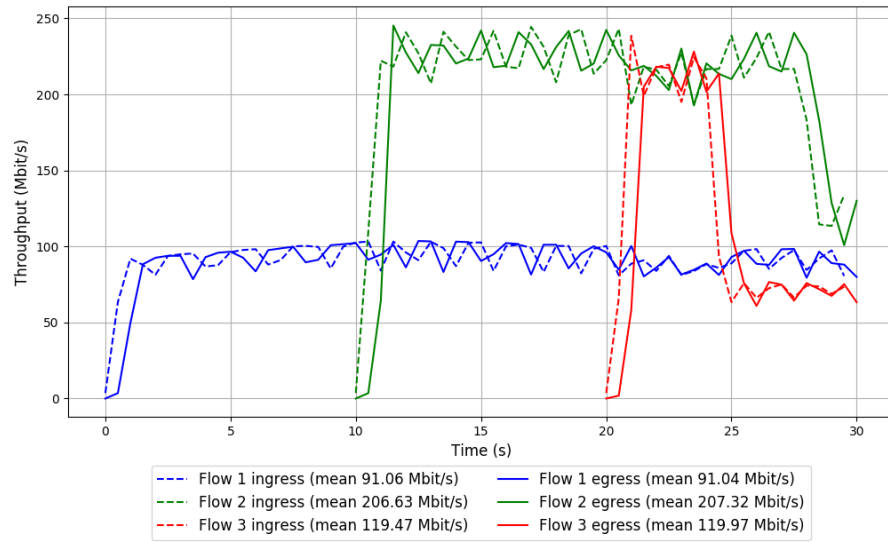
-- Flow 3:

Average throughput: 119.97 Mbit/s

95th percentile per-packet one-way delay: 67.264 ms

Loss rate: 0.67%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-06 08:18:52

End at: 2018-07-06 08:19:22

Local clock offset: -0.019 ms

Remote clock offset: 1.251 ms

Below is generated by plot.py at 2018-07-06 13:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.66 Mbit/s

95th percentile per-packet one-way delay: 61.970 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 216.96 Mbit/s

95th percentile per-packet one-way delay: 62.374 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 213.59 Mbit/s

95th percentile per-packet one-way delay: 61.346 ms

Loss rate: 0.61%

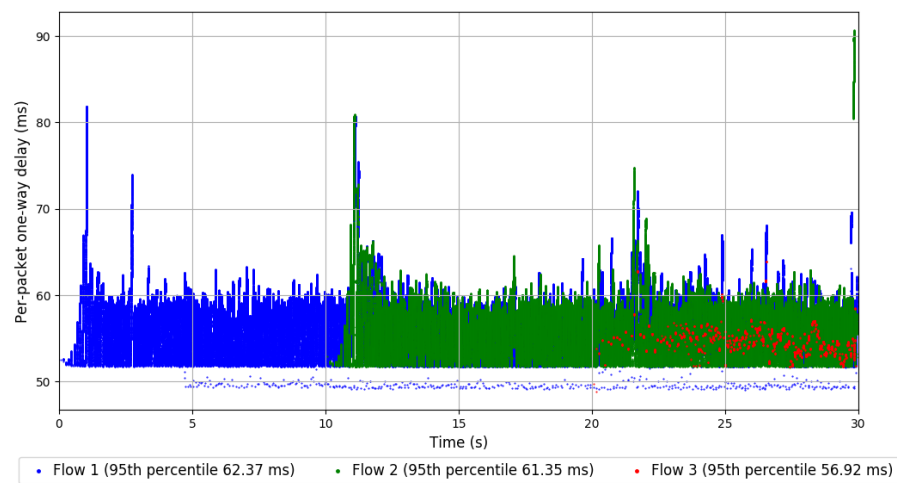
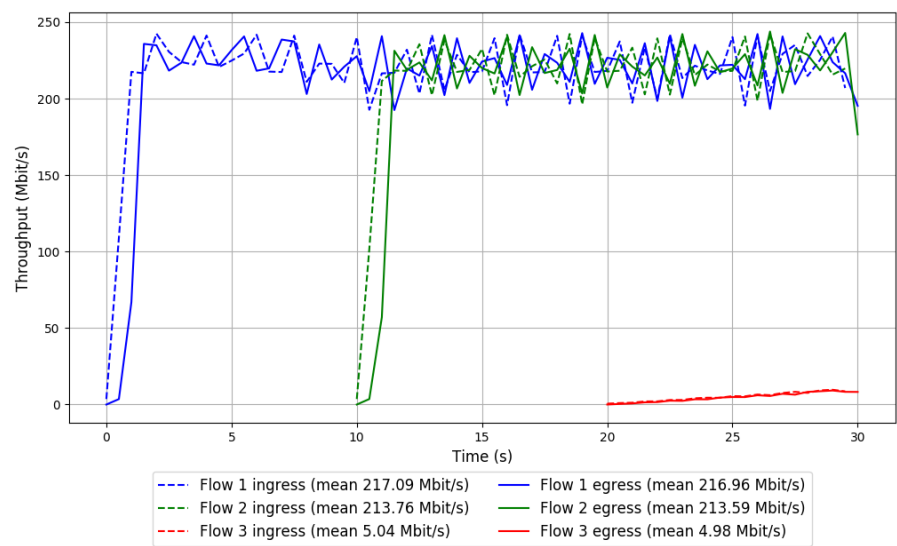
-- Flow 3:

Average throughput: 4.98 Mbit/s

95th percentile per-packet one-way delay: 56.924 ms

Loss rate: 2.30%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-06 08:43:39

End at: 2018-07-06 08:44:09

Local clock offset: 0.105 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-07-06 13:58:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.84 Mbit/s

95th percentile per-packet one-way delay: 63.001 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 215.84 Mbit/s

95th percentile per-packet one-way delay: 62.853 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 211.65 Mbit/s

95th percentile per-packet one-way delay: 63.330 ms

Loss rate: 0.57%

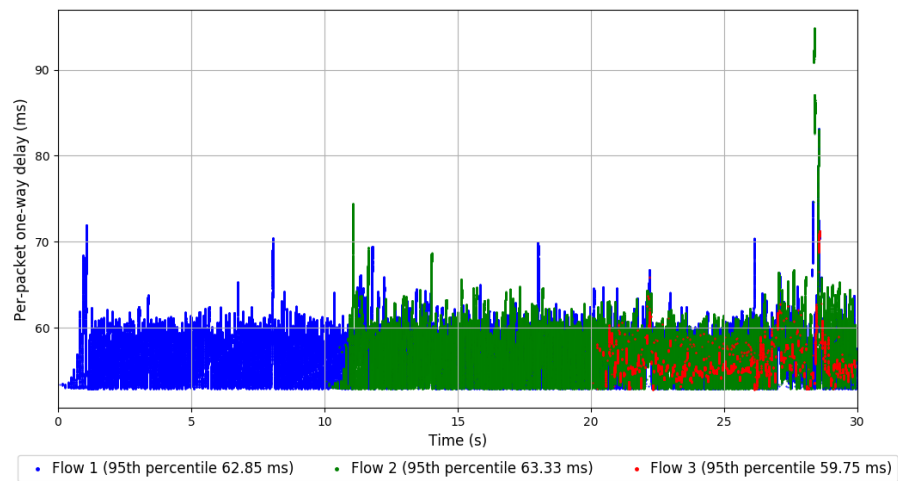
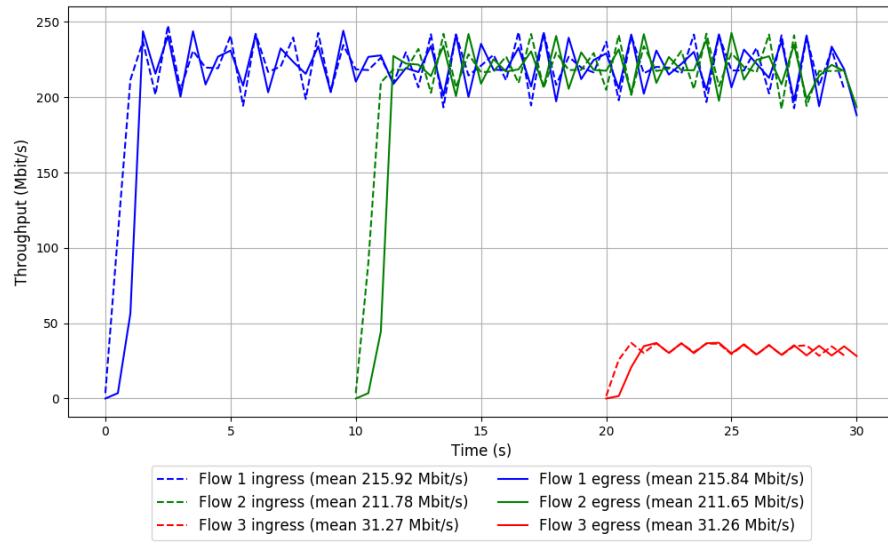
-- Flow 3:

Average throughput: 31.26 Mbit/s

95th percentile per-packet one-way delay: 59.746 ms

Loss rate: 1.13%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-06 09:08:25

End at: 2018-07-06 09:08:55

Local clock offset: 0.15 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-07-06 13:58:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 180.76 Mbit/s

95th percentile per-packet one-way delay: 61.962 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 37.47 Mbit/s

95th percentile per-packet one-way delay: 60.171 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 213.44 Mbit/s

95th percentile per-packet one-way delay: 62.132 ms

Loss rate: 0.57%

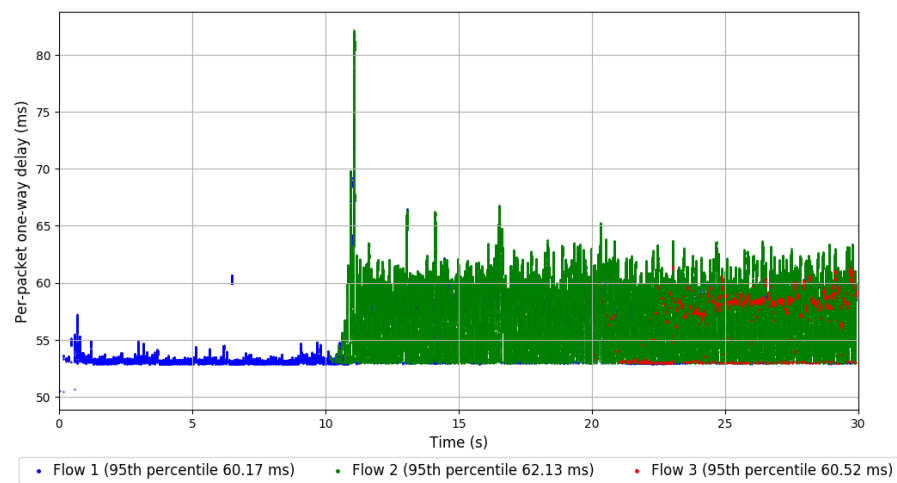
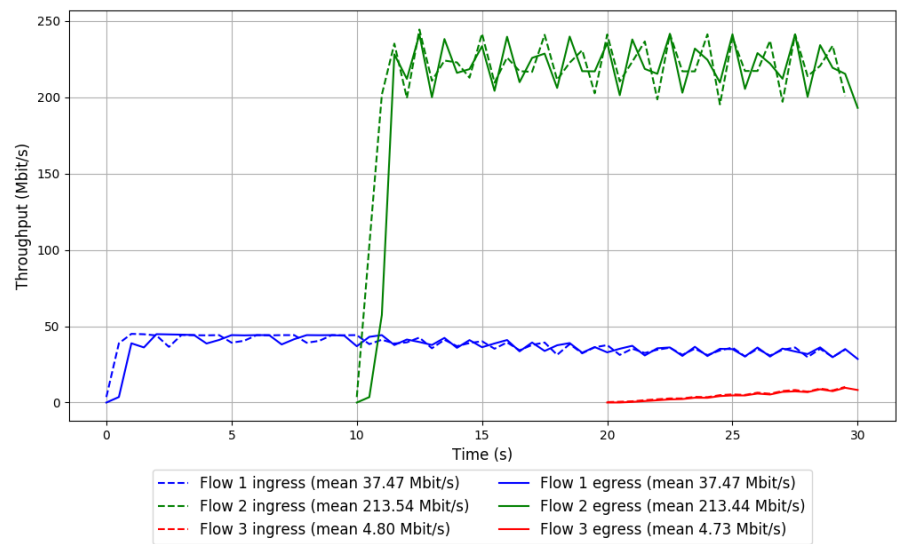
-- Flow 3:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 60.524 ms

Loss rate: 2.46%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-06 09:32:47

End at: 2018-07-06 09:33:17

Local clock offset: -0.092 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-06 13:59:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.63 Mbit/s

95th percentile per-packet one-way delay: 62.356 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 221.63 Mbit/s

95th percentile per-packet one-way delay: 62.079 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 59.678 ms

Loss rate: 0.98%

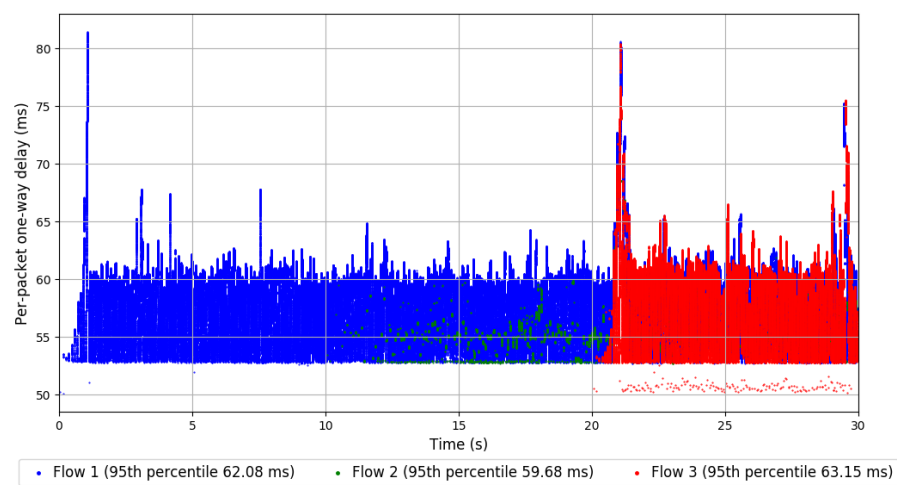
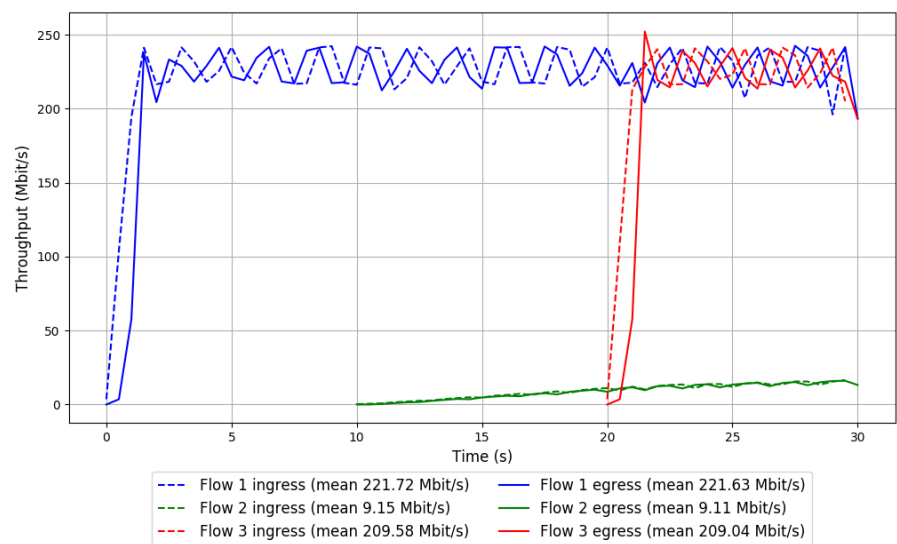
-- Flow 3:

Average throughput: 209.04 Mbit/s

95th percentile per-packet one-way delay: 63.146 ms

Loss rate: 1.28%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-06 09:57:23

End at: 2018-07-06 09:57:53

Local clock offset: -0.276 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-07-06 13:59:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 173.55 Mbit/s

95th percentile per-packet one-way delay: 62.630 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 27.17 Mbit/s

95th percentile per-packet one-way delay: 56.693 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 217.79 Mbit/s

95th percentile per-packet one-way delay: 62.834 ms

Loss rate: 0.55%

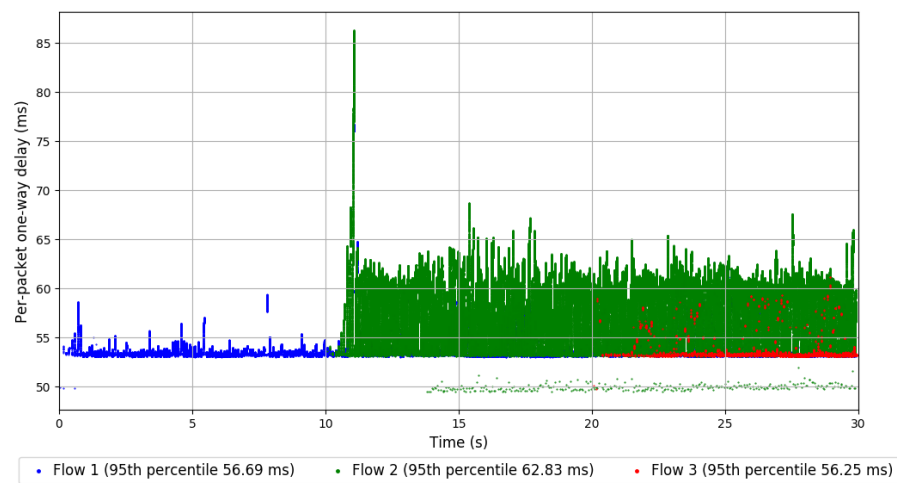
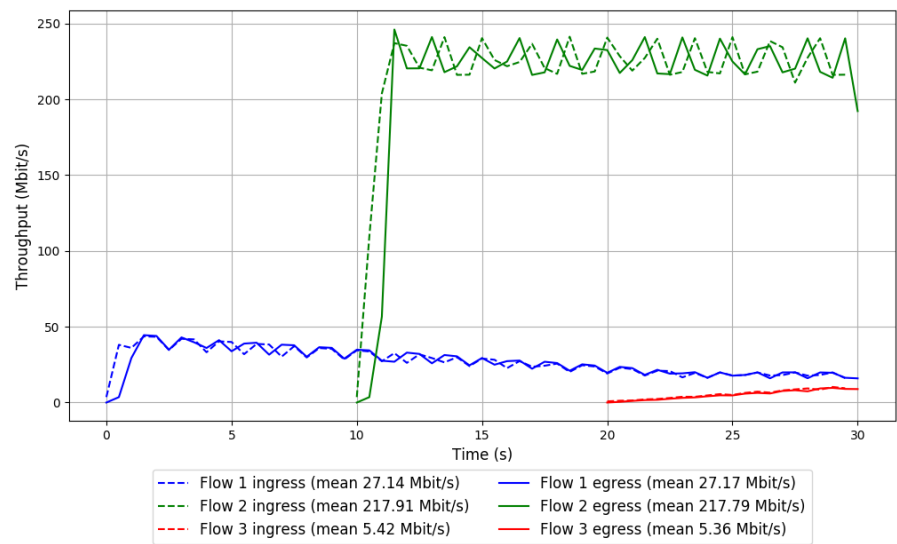
-- Flow 3:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 56.253 ms

Loss rate: 2.13%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-06 10:22:22

End at: 2018-07-06 10:22:52

Local clock offset: 0.057 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2018-07-06 13:59:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.32 Mbit/s

95th percentile per-packet one-way delay: 63.788 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 215.43 Mbit/s

95th percentile per-packet one-way delay: 63.962 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 16.80 Mbit/s

95th percentile per-packet one-way delay: 58.916 ms

Loss rate: 0.84%

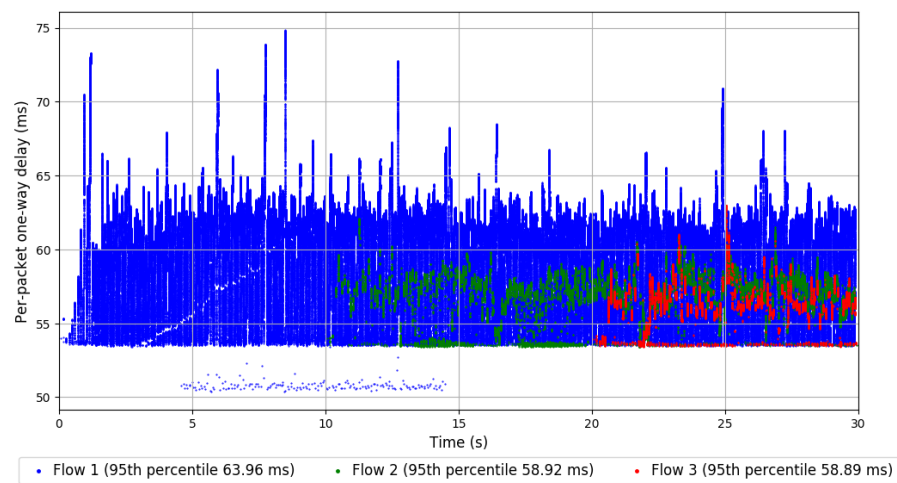
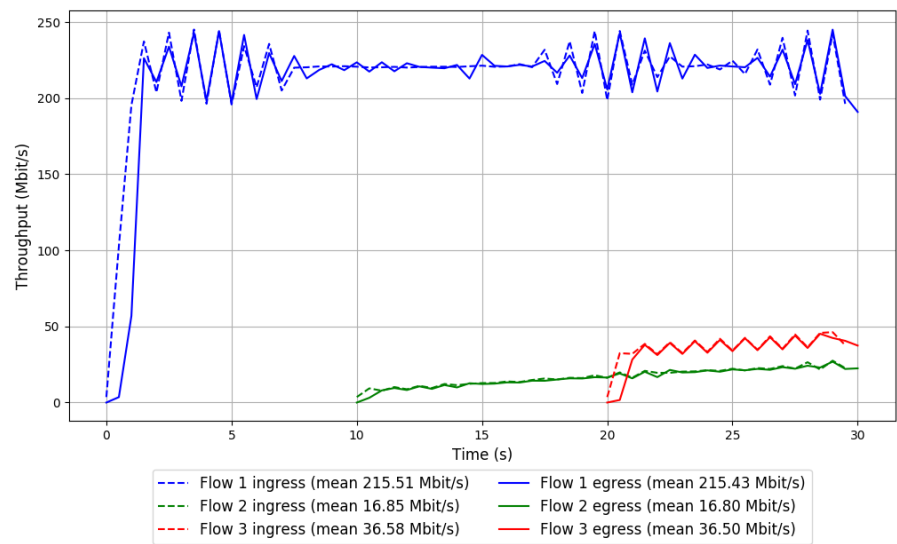
-- Flow 3:

Average throughput: 36.50 Mbit/s

95th percentile per-packet one-way delay: 58.890 ms

Loss rate: 1.29%

Run 8: Report of TCP Vegas — Data Link

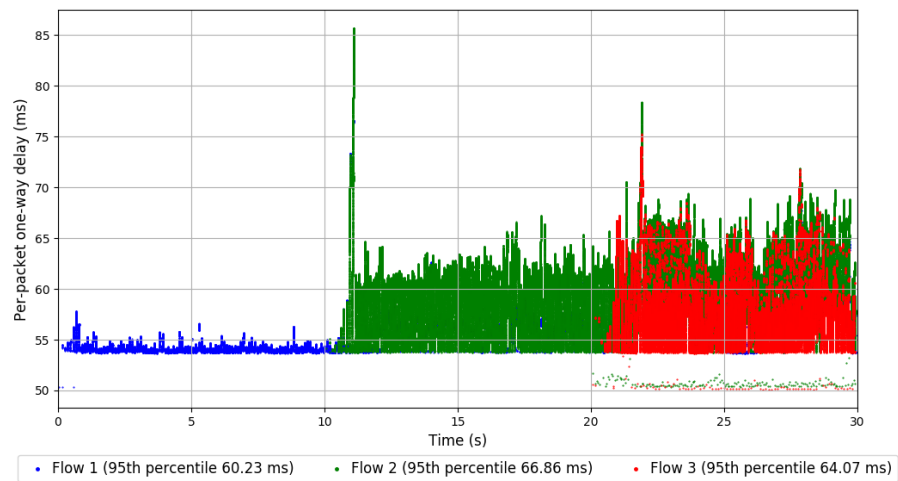
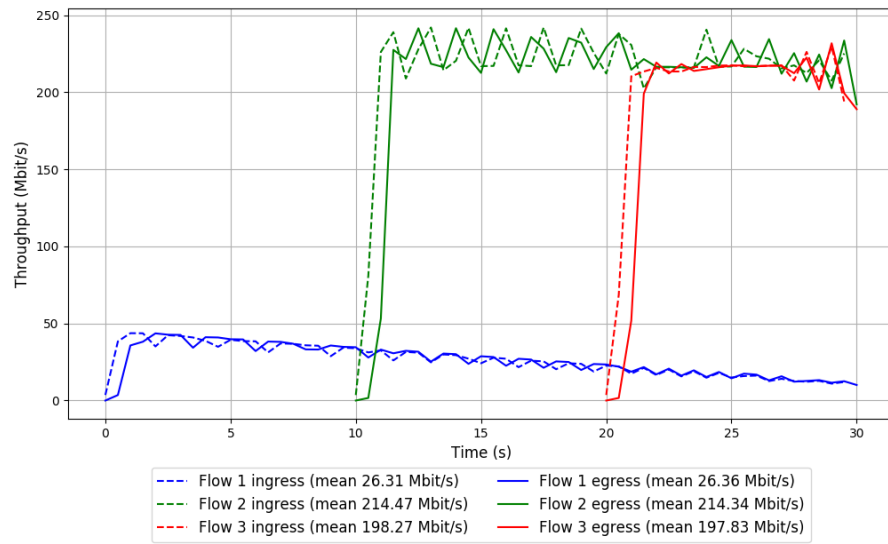


Run 9: Statistics of TCP Vegas

Start at: 2018-07-06 10:46:56
End at: 2018-07-06 10:47:26
Local clock offset: 0.015 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-06 13:59:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.80 Mbit/s
95th percentile per-packet one-way delay: 66.188 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 60.225 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 214.34 Mbit/s
95th percentile per-packet one-way delay: 66.857 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 197.83 Mbit/s
95th percentile per-packet one-way delay: 64.072 ms
Loss rate: 1.22%

Run 9: Report of TCP Vegas — Data Link

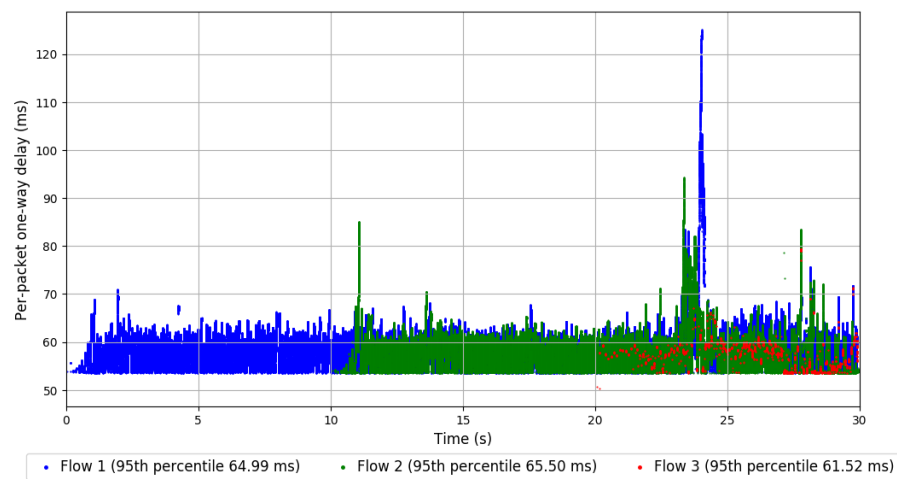
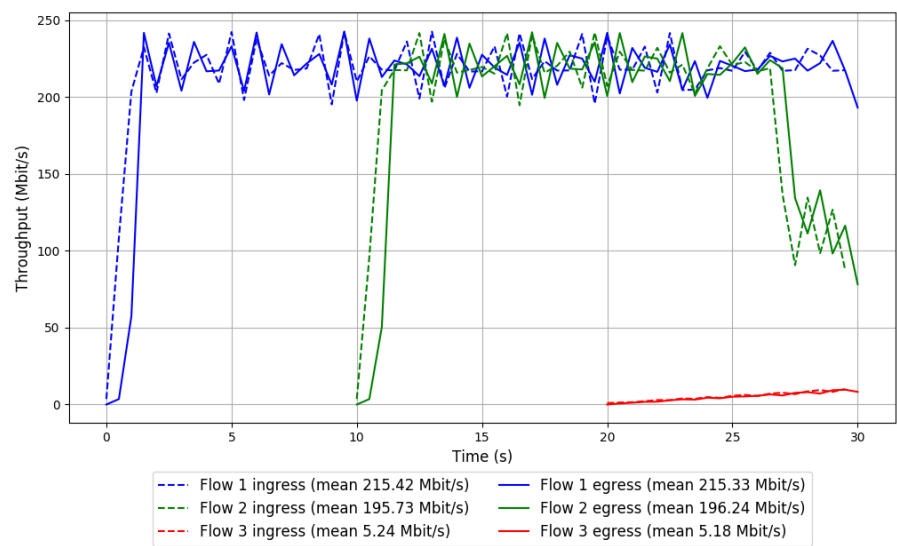


Run 10: Statistics of TCP Vegas

Start at: 2018-07-06 11:11:25
End at: 2018-07-06 11:11:55
Local clock offset: -0.138 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-06 14:02:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.35 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 215.33 Mbit/s
95th percentile per-packet one-way delay: 64.989 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 196.24 Mbit/s
95th percentile per-packet one-way delay: 65.503 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 61.521 ms
Loss rate: 2.10%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-06 07:11:15

End at: 2018-07-06 07:11:45

Local clock offset: -0.091 ms

Remote clock offset: 0.958 ms

Below is generated by plot.py at 2018-07-06 14:04:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.74 Mbit/s

95th percentile per-packet one-way delay: 151.626 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 218.36 Mbit/s

95th percentile per-packet one-way delay: 131.783 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 186.63 Mbit/s

95th percentile per-packet one-way delay: 164.867 ms

Loss rate: 1.21%

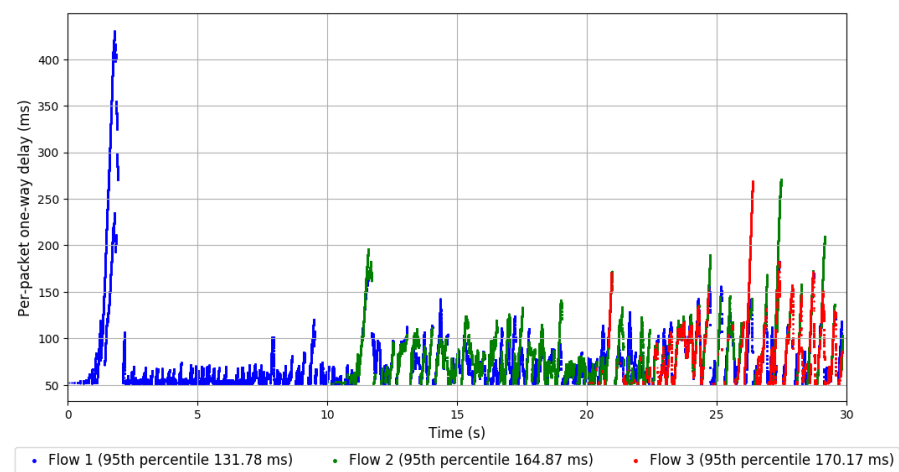
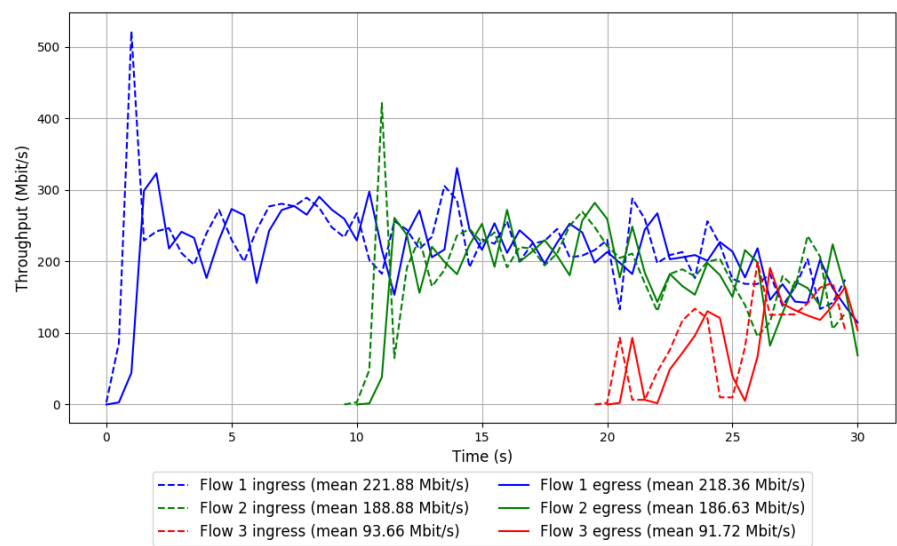
-- Flow 3:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 170.172 ms

Loss rate: 3.34%

Run 1: Report of Verus — Data Link

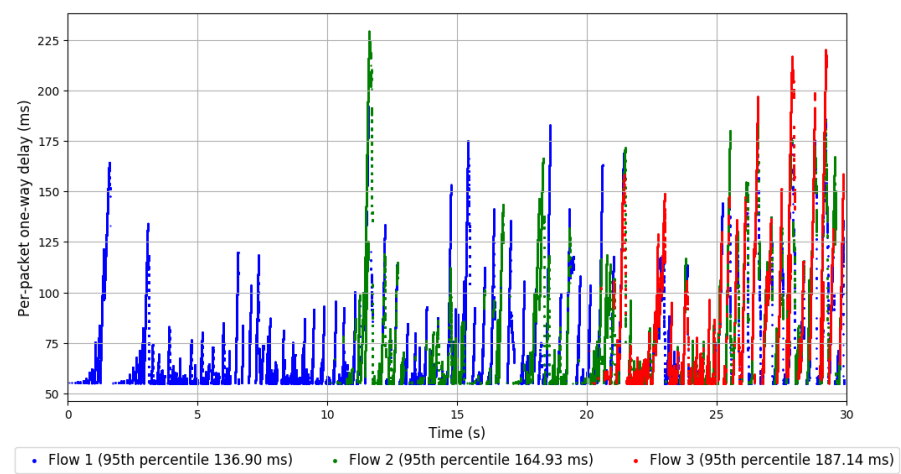
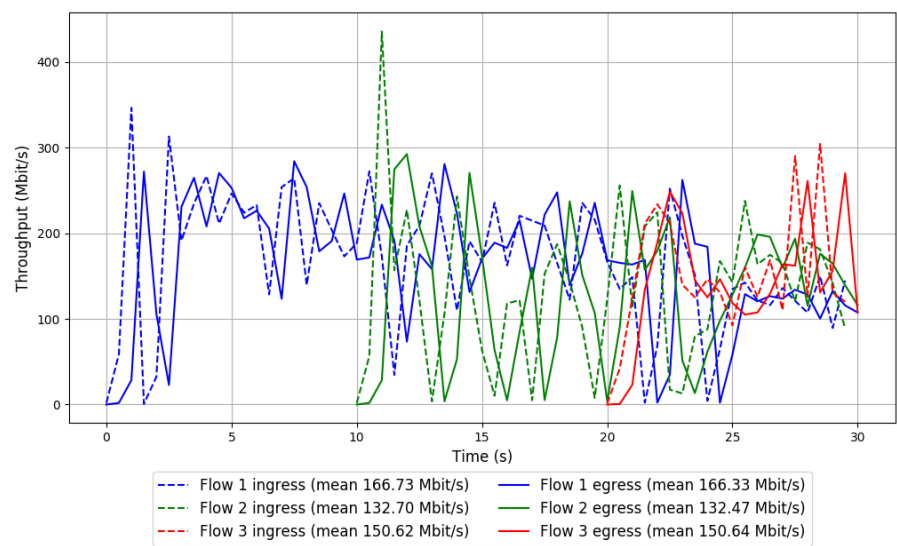


Run 2: Statistics of Verus

Start at: 2018-07-06 07:35:40
End at: 2018-07-06 07:36:10
Local clock offset: 0.027 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-07-06 14:04:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.27 Mbit/s
95th percentile per-packet one-way delay: 153.957 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 166.33 Mbit/s
95th percentile per-packet one-way delay: 136.895 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 132.47 Mbit/s
95th percentile per-packet one-way delay: 164.933 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 150.64 Mbit/s
95th percentile per-packet one-way delay: 187.137 ms
Loss rate: 1.58%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-06 08:00:05

End at: 2018-07-06 08:00:35

Local clock offset: 0.002 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-07-06 14:04:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.56 Mbit/s

95th percentile per-packet one-way delay: 177.470 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 229.52 Mbit/s

95th percentile per-packet one-way delay: 153.865 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 100.53 Mbit/s

95th percentile per-packet one-way delay: 182.586 ms

Loss rate: 1.33%

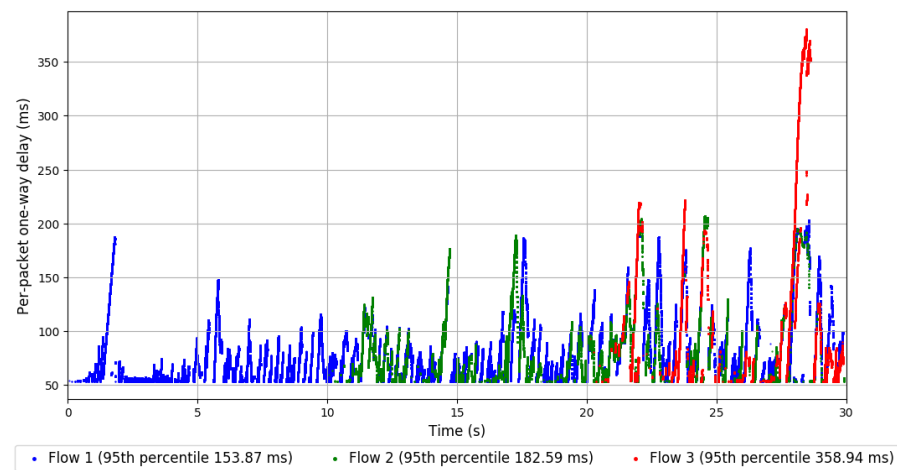
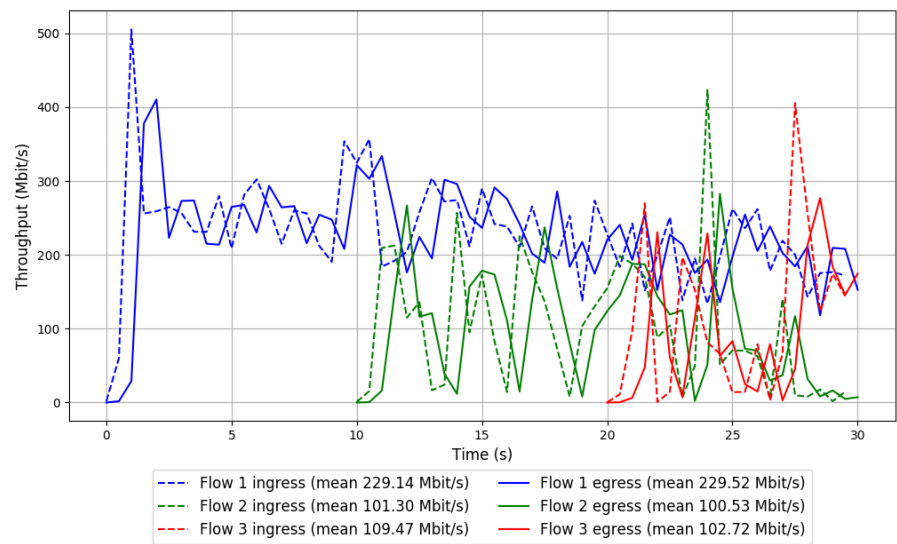
-- Flow 3:

Average throughput: 102.72 Mbit/s

95th percentile per-packet one-way delay: 358.944 ms

Loss rate: 7.61%

Run 3: Report of Verus — Data Link

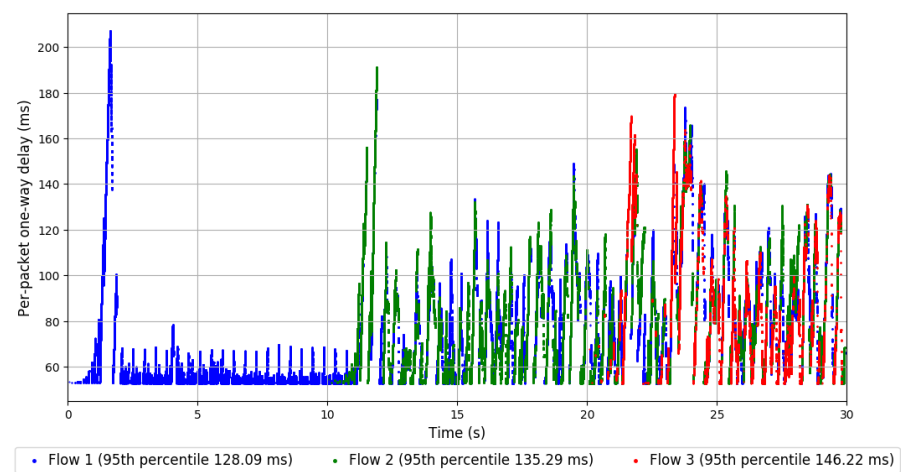
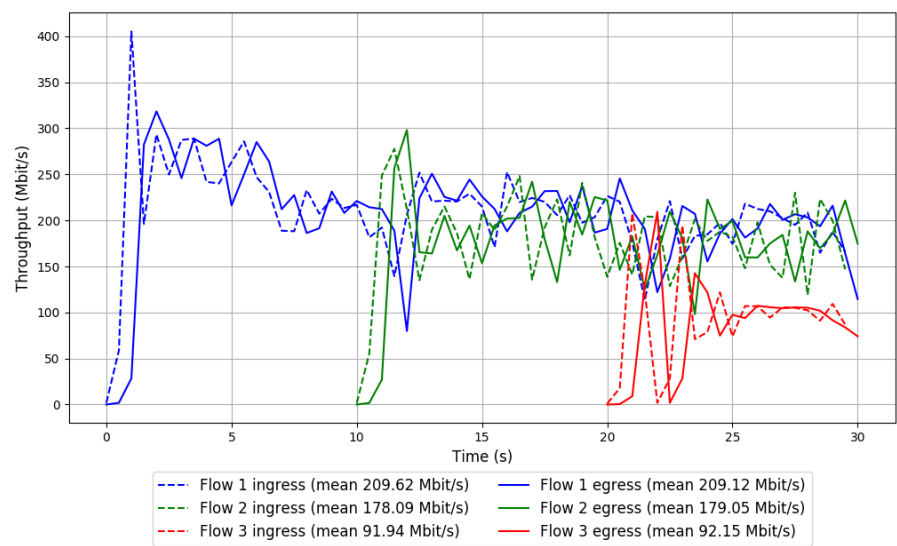


Run 4: Statistics of Verus

Start at: 2018-07-06 08:24:54
End at: 2018-07-06 08:25:24
Local clock offset: -0.068 ms
Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-06 14:04:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.15 Mbit/s
95th percentile per-packet one-way delay: 135.385 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 209.12 Mbit/s
95th percentile per-packet one-way delay: 128.095 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 179.05 Mbit/s
95th percentile per-packet one-way delay: 135.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 146.215 ms
Loss rate: 2.10%

Run 4: Report of Verus — Data Link

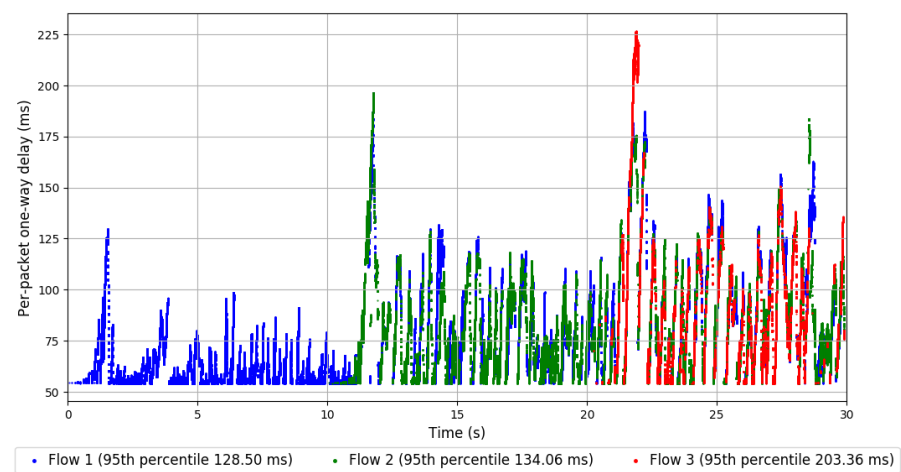
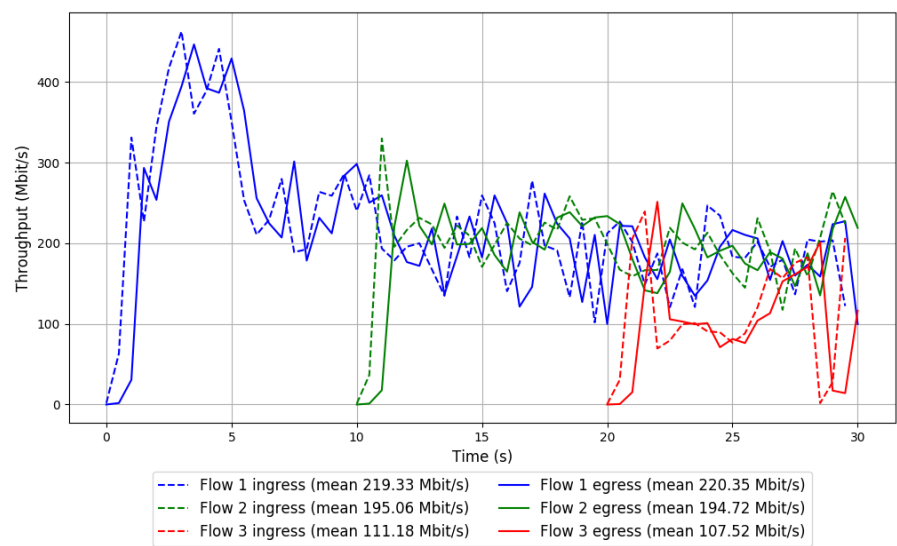


Run 5: Statistics of Verus

Start at: 2018-07-06 08:49:20
End at: 2018-07-06 08:49:50
Local clock offset: -0.002 ms
Remote clock offset: -1.33 ms

Below is generated by plot.py at 2018-07-06 14:06:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.12 Mbit/s
95th percentile per-packet one-way delay: 134.787 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 220.35 Mbit/s
95th percentile per-packet one-way delay: 128.497 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 194.72 Mbit/s
95th percentile per-packet one-way delay: 134.064 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 107.52 Mbit/s
95th percentile per-packet one-way delay: 203.362 ms
Loss rate: 4.75%

Run 5: Report of Verus — Data Link

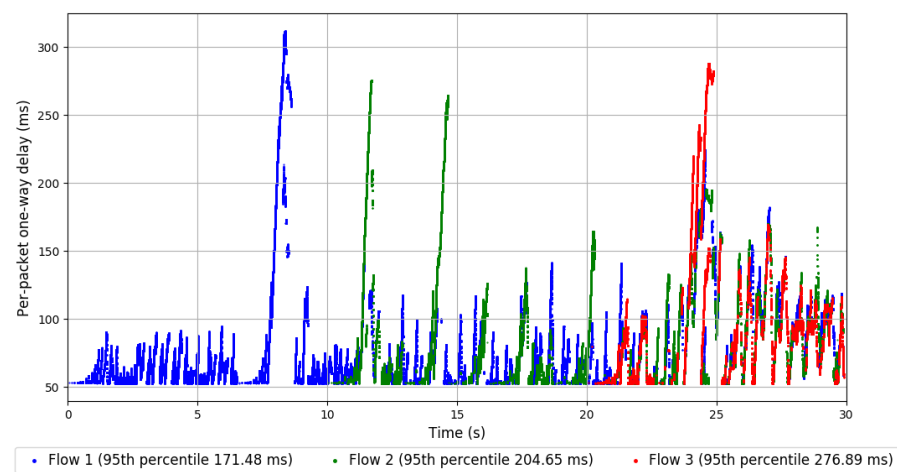
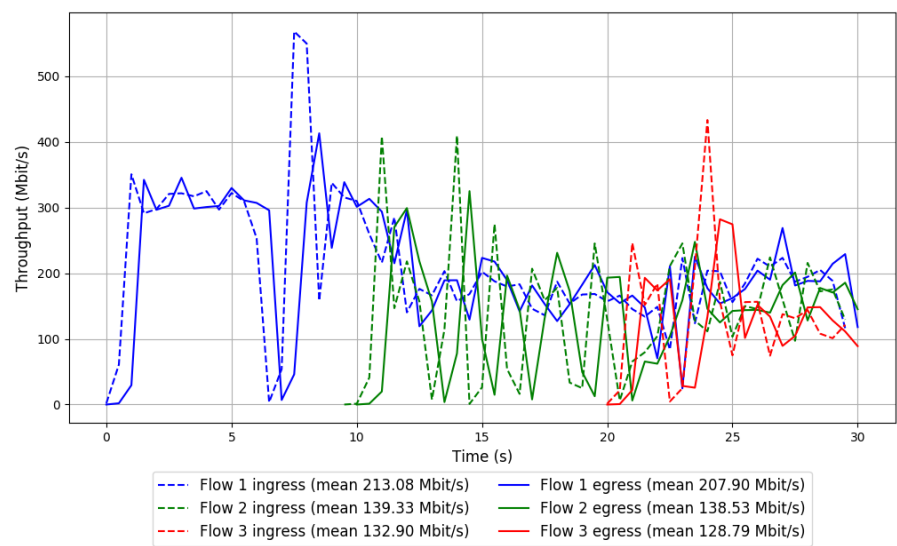


Run 6: Statistics of Verus

Start at: 2018-07-06 09:14:10
End at: 2018-07-06 09:14:40
Local clock offset: -0.228 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-06 14:06:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.37 Mbit/s
95th percentile per-packet one-way delay: 206.184 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 207.90 Mbit/s
95th percentile per-packet one-way delay: 171.476 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 138.53 Mbit/s
95th percentile per-packet one-way delay: 204.647 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 128.79 Mbit/s
95th percentile per-packet one-way delay: 276.889 ms
Loss rate: 4.15%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-06 09:38:37

End at: 2018-07-06 09:39:07

Local clock offset: 0.249 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-06 14:06:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.09 Mbit/s

95th percentile per-packet one-way delay: 178.707 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 143.45 Mbit/s

95th percentile per-packet one-way delay: 178.830 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 197.46 Mbit/s

95th percentile per-packet one-way delay: 143.595 ms

Loss rate: 0.63%

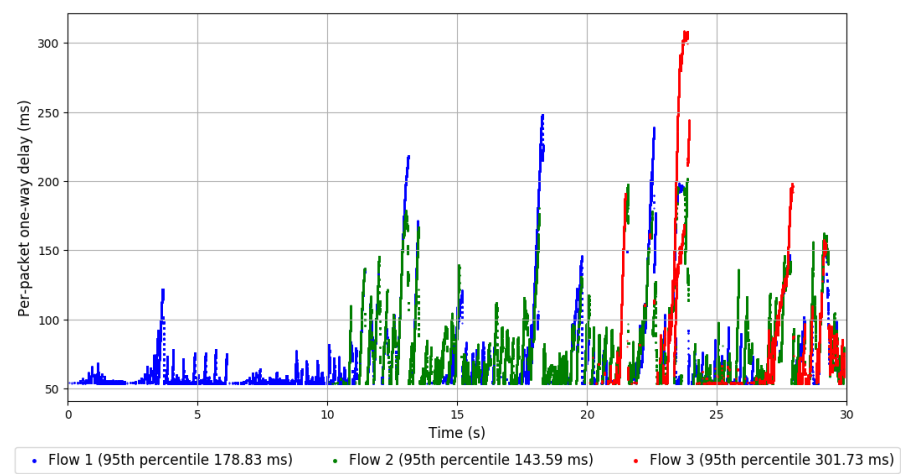
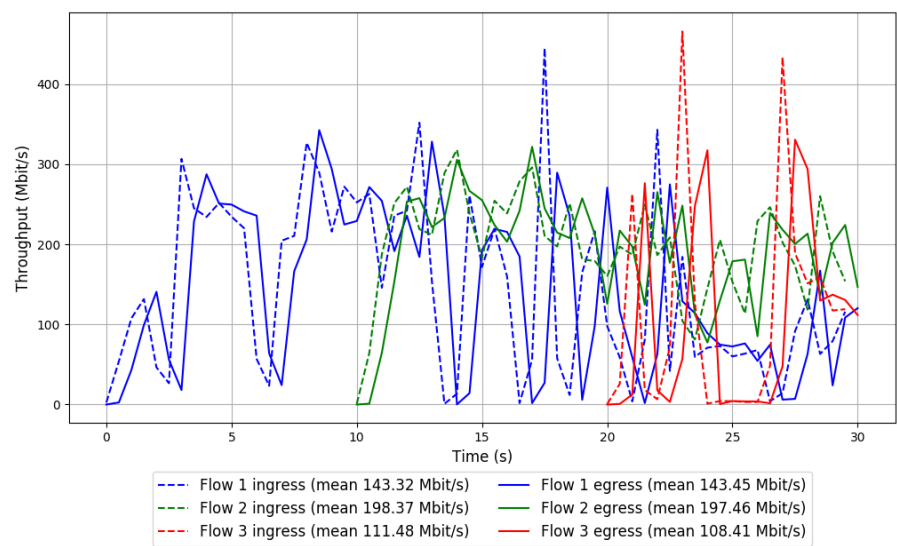
-- Flow 3:

Average throughput: 108.41 Mbit/s

95th percentile per-packet one-way delay: 301.725 ms

Loss rate: 3.77%

Run 7: Report of Verus — Data Link

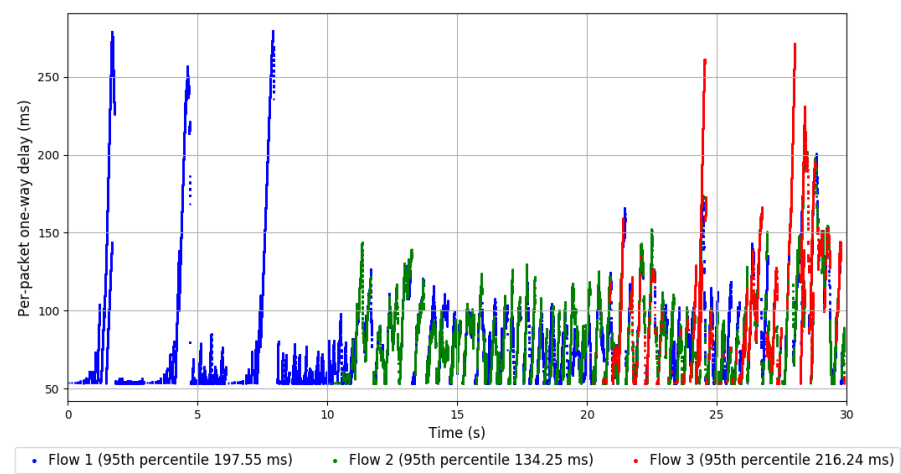
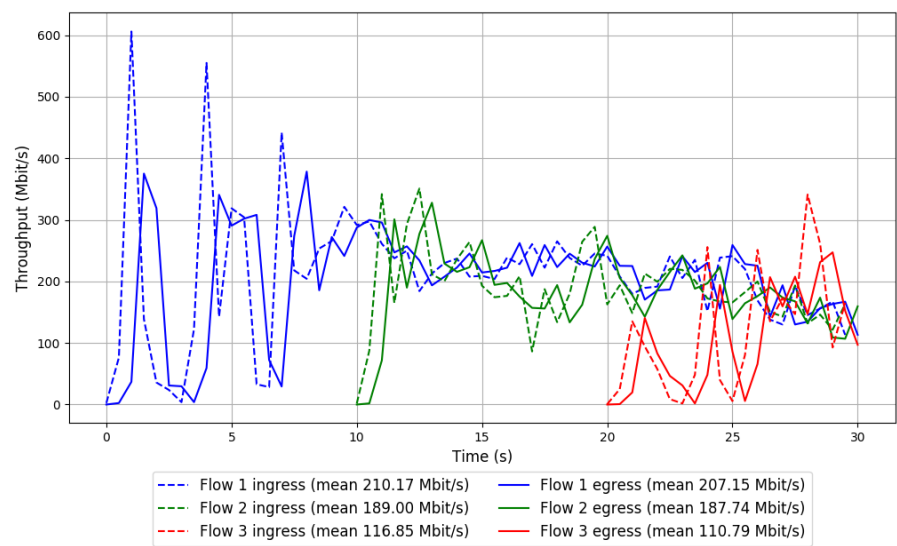


Run 8: Statistics of Verus

Start at: 2018-07-06 10:03:16
End at: 2018-07-06 10:03:46
Local clock offset: -0.177 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-06 14:09:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.07 Mbit/s
95th percentile per-packet one-way delay: 177.978 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 207.15 Mbit/s
95th percentile per-packet one-way delay: 197.551 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 187.74 Mbit/s
95th percentile per-packet one-way delay: 134.255 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 110.79 Mbit/s
95th percentile per-packet one-way delay: 216.242 ms
Loss rate: 6.35%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-06 10:28:11

End at: 2018-07-06 10:28:41

Local clock offset: -0.052 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-07-06 14:09:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 341.38 Mbit/s

95th percentile per-packet one-way delay: 148.015 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 198.96 Mbit/s

95th percentile per-packet one-way delay: 142.231 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 173.77 Mbit/s

95th percentile per-packet one-way delay: 154.930 ms

Loss rate: 0.87%

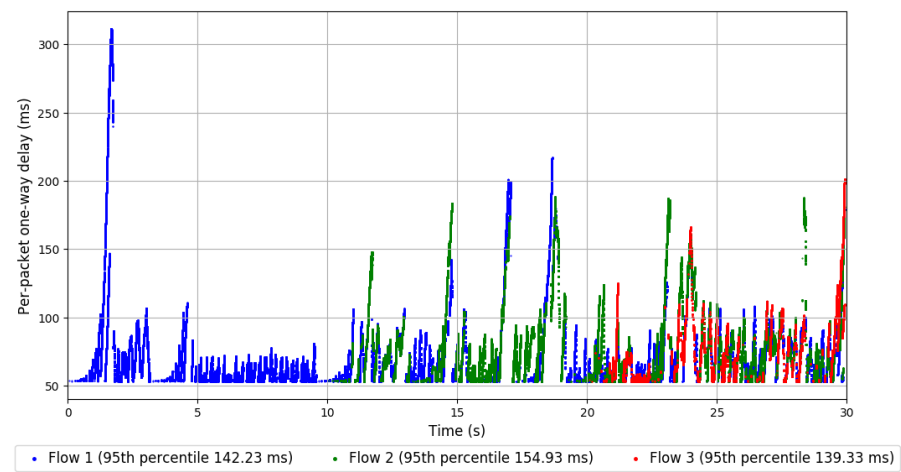
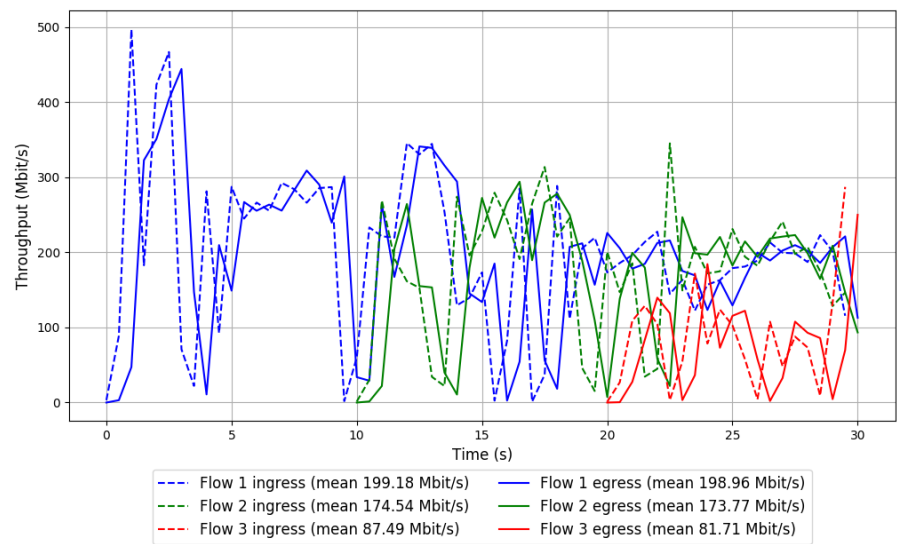
-- Flow 3:

Average throughput: 81.71 Mbit/s

95th percentile per-packet one-way delay: 139.333 ms

Loss rate: 6.12%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-06 10:52:50

End at: 2018-07-06 10:53:20

Local clock offset: 0.002 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-07-06 14:10:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.19 Mbit/s

95th percentile per-packet one-way delay: 178.942 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 205.25 Mbit/s

95th percentile per-packet one-way delay: 177.411 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 175.03 Mbit/s

95th percentile per-packet one-way delay: 177.462 ms

Loss rate: 0.99%

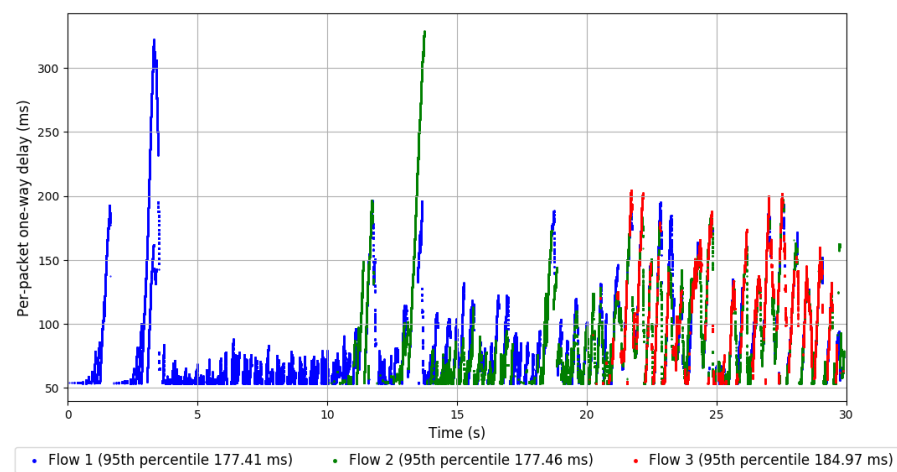
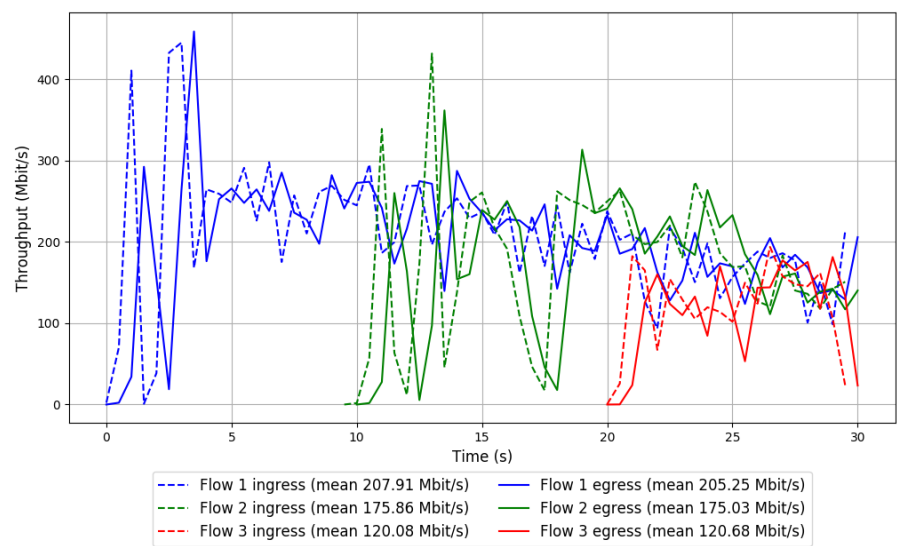
-- Flow 3:

Average throughput: 120.68 Mbit/s

95th percentile per-packet one-way delay: 184.966 ms

Loss rate: 0.62%

Run 10: Report of Verus — Data Link

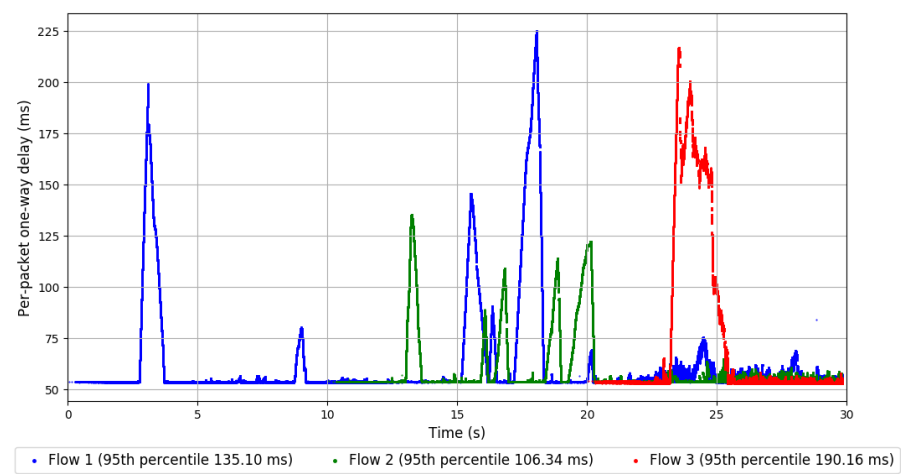
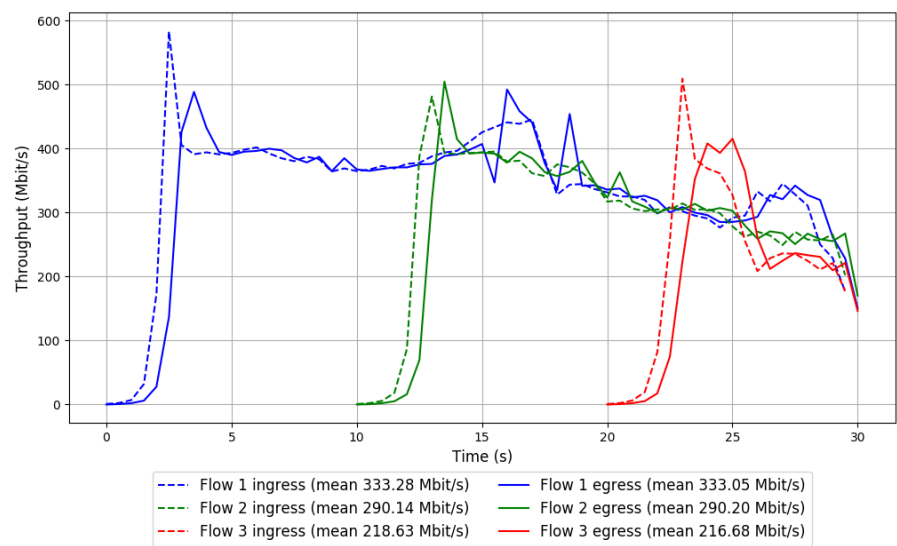


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-06 07:23:53
End at: 2018-07-06 07:24:23
Local clock offset: -0.028 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-06 14:16:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 596.77 Mbit/s
95th percentile per-packet one-way delay: 151.129 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 333.05 Mbit/s
95th percentile per-packet one-way delay: 135.104 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 290.20 Mbit/s
95th percentile per-packet one-way delay: 106.343 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 216.68 Mbit/s
95th percentile per-packet one-way delay: 190.159 ms
Loss rate: 1.94%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-06 07:48:16

End at: 2018-07-06 07:48:46

Local clock offset: 0.0 ms

Remote clock offset: 1.383 ms

Below is generated by plot.py at 2018-07-06 14:16:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 555.73 Mbit/s

95th percentile per-packet one-way delay: 74.152 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 329.24 Mbit/s

95th percentile per-packet one-way delay: 86.266 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 261.98 Mbit/s

95th percentile per-packet one-way delay: 57.995 ms

Loss rate: 0.40%

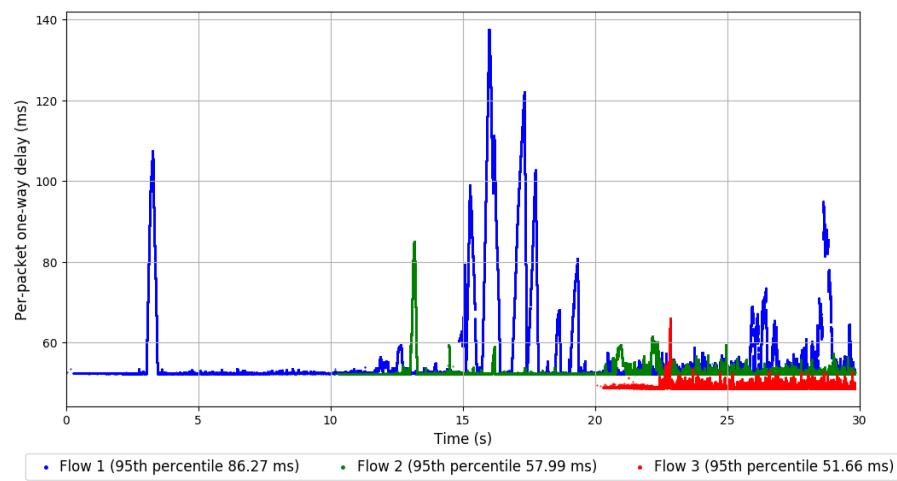
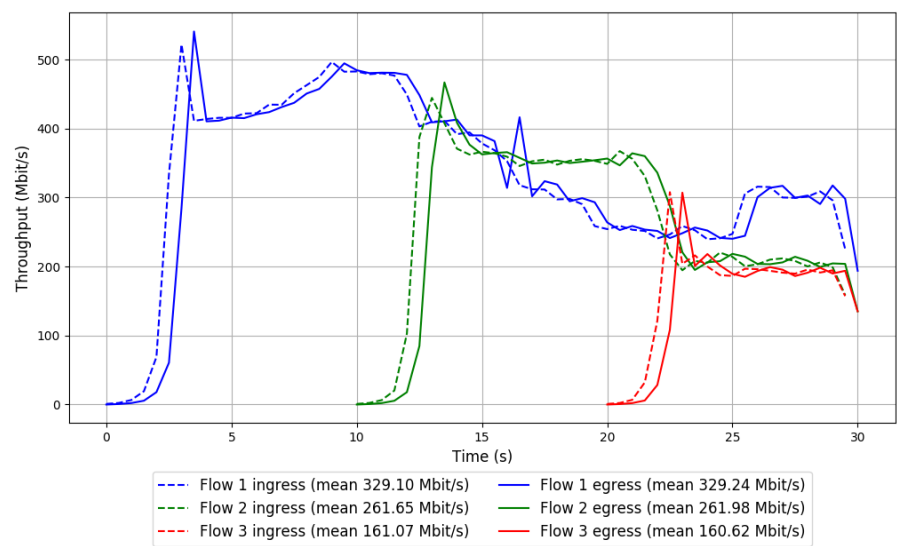
-- Flow 3:

Average throughput: 160.62 Mbit/s

95th percentile per-packet one-way delay: 51.657 ms

Loss rate: 1.31%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-06 08:12:51

End at: 2018-07-06 08:13:21

Local clock offset: -0.126 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-06 14:16:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 554.72 Mbit/s

95th percentile per-packet one-way delay: 195.971 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 315.03 Mbit/s

95th percentile per-packet one-way delay: 83.733 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 271.18 Mbit/s

95th percentile per-packet one-way delay: 238.816 ms

Loss rate: 1.20%

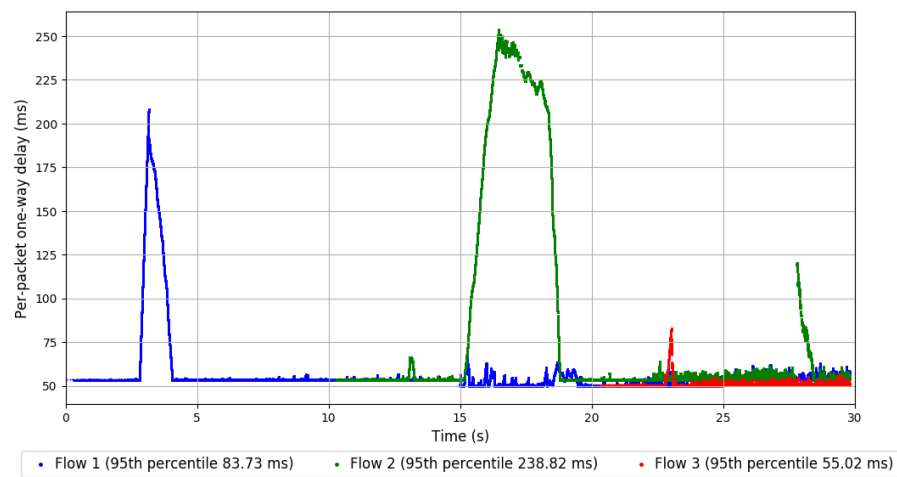
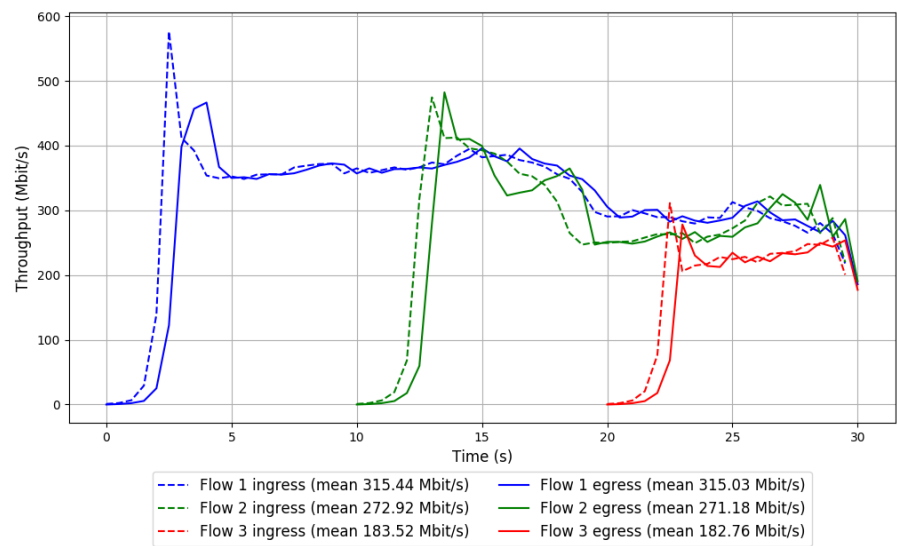
-- Flow 3:

Average throughput: 182.76 Mbit/s

95th percentile per-packet one-way delay: 55.019 ms

Loss rate: 1.49%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-06 08:37:34

End at: 2018-07-06 08:38:04

Local clock offset: 0.07 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-07-06 14:16:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 545.91 Mbit/s

95th percentile per-packet one-way delay: 66.315 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 335.34 Mbit/s

95th percentile per-packet one-way delay: 72.342 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 274.96 Mbit/s

95th percentile per-packet one-way delay: 56.157 ms

Loss rate: 0.45%

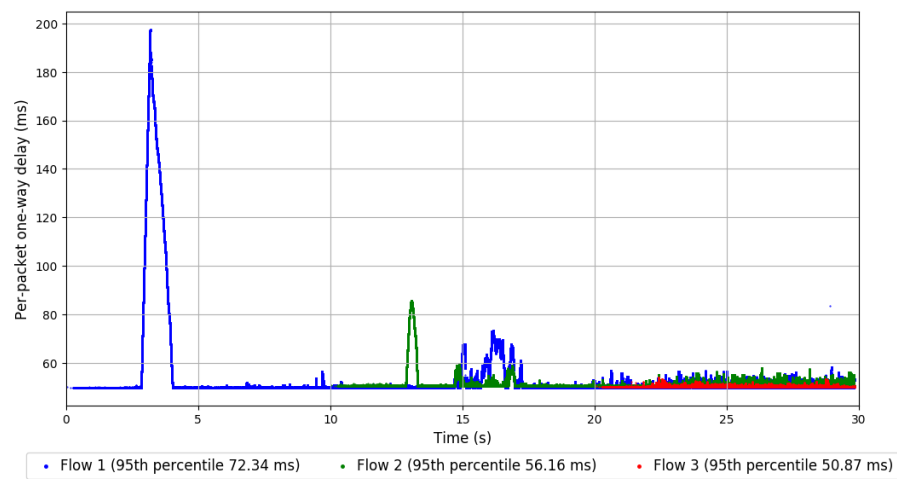
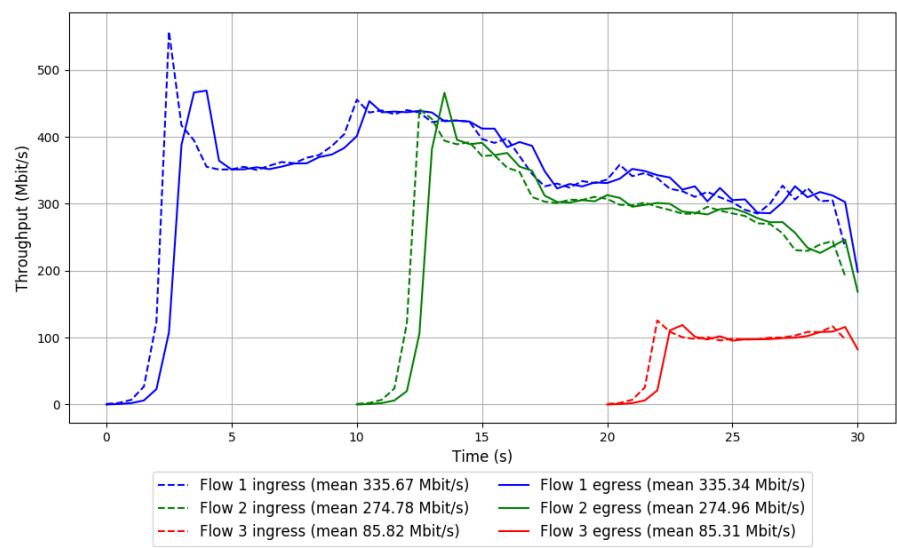
-- Flow 3:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 50.870 ms

Loss rate: 1.61%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-06 09:02:28

End at: 2018-07-06 09:02:58

Local clock offset: -0.099 ms

Remote clock offset: 1.474 ms

Below is generated by plot.py at 2018-07-06 14:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.56 Mbit/s

95th percentile per-packet one-way delay: 55.054 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 345.88 Mbit/s

95th percentile per-packet one-way delay: 56.062 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 86.61 Mbit/s

95th percentile per-packet one-way delay: 49.003 ms

Loss rate: 0.78%

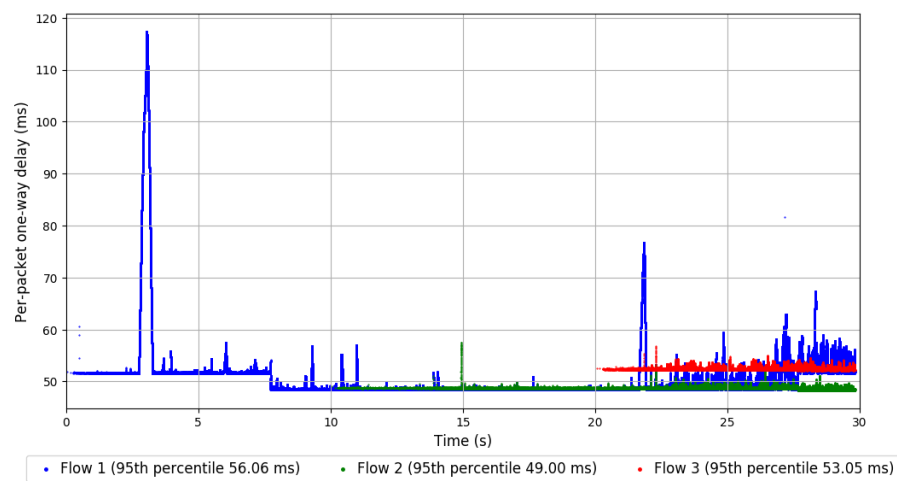
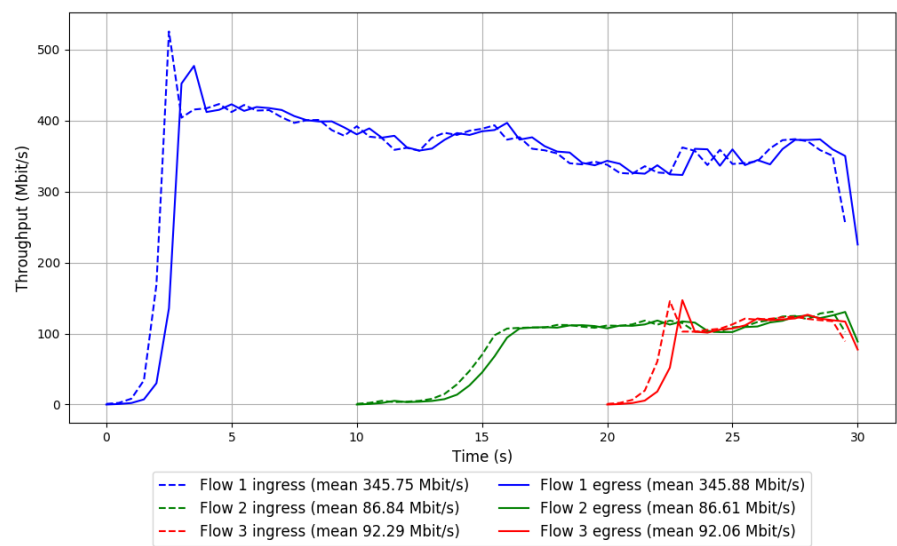
-- Flow 3:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 53.046 ms

Loss rate: 1.32%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-06 09:26:53

End at: 2018-07-06 09:27:23

Local clock offset: -0.136 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-06 14:19:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 552.36 Mbit/s

95th percentile per-packet one-way delay: 73.961 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 297.70 Mbit/s

95th percentile per-packet one-way delay: 88.253 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 307.68 Mbit/s

95th percentile per-packet one-way delay: 85.850 ms

Loss rate: 0.54%

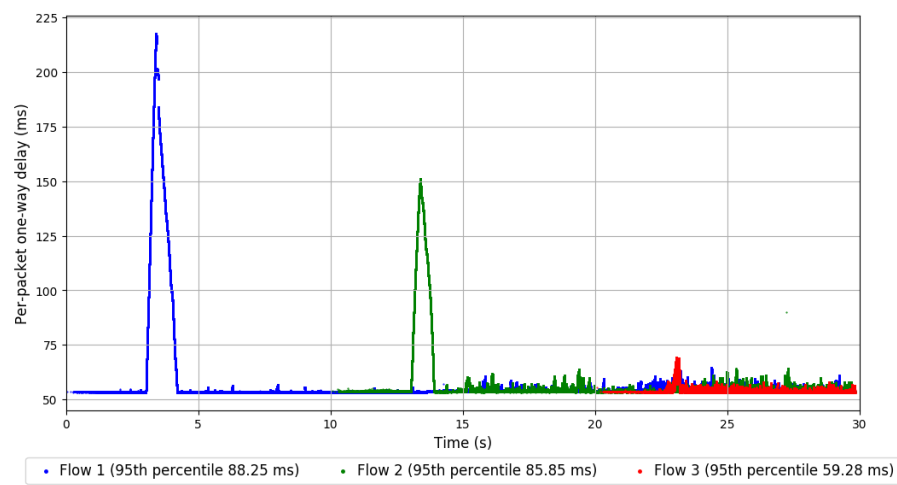
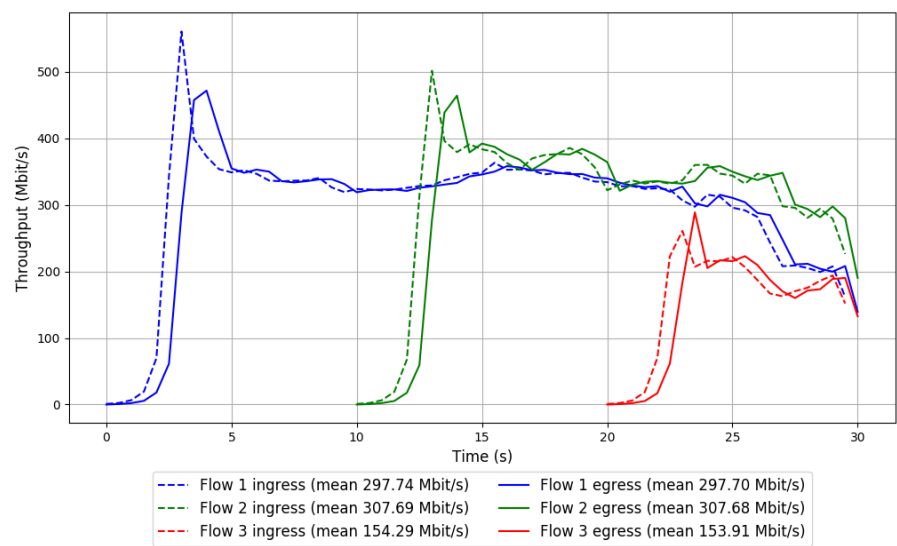
-- Flow 3:

Average throughput: 153.91 Mbit/s

95th percentile per-packet one-way delay: 59.285 ms

Loss rate: 1.33%

Run 6: Report of PCC-Vivace — Data Link

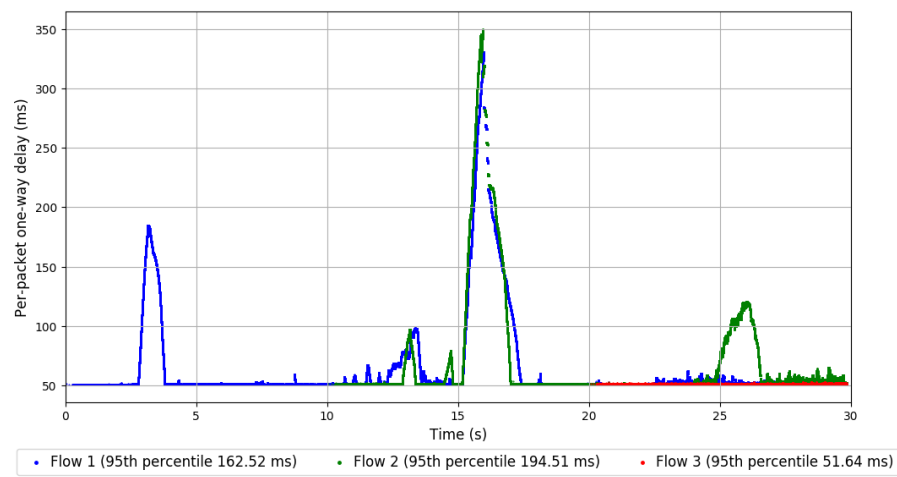
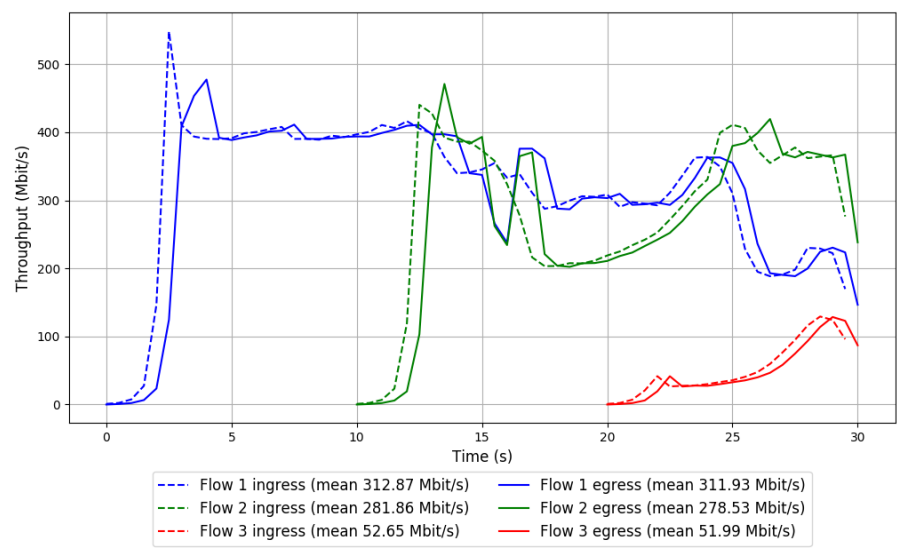


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-06 09:51:22
End at: 2018-07-06 09:51:52
Local clock offset: -0.251 ms
Remote clock offset: -1.218 ms

Below is generated by plot.py at 2018-07-06 14:19:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 513.91 Mbit/s
95th percentile per-packet one-way delay: 168.531 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 311.93 Mbit/s
95th percentile per-packet one-way delay: 162.517 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 278.53 Mbit/s
95th percentile per-packet one-way delay: 194.508 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 51.643 ms
Loss rate: 2.27%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-06 10:16:19

End at: 2018-07-06 10:16:49

Local clock offset: 0.065 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-07-06 14:19:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.60 Mbit/s

95th percentile per-packet one-way delay: 101.495 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 305.13 Mbit/s

95th percentile per-packet one-way delay: 96.180 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 203.20 Mbit/s

95th percentile per-packet one-way delay: 153.611 ms

Loss rate: 0.44%

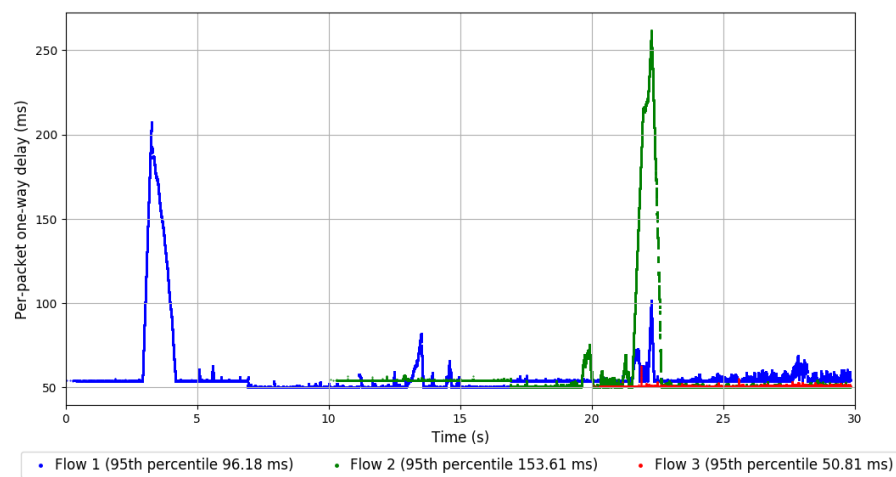
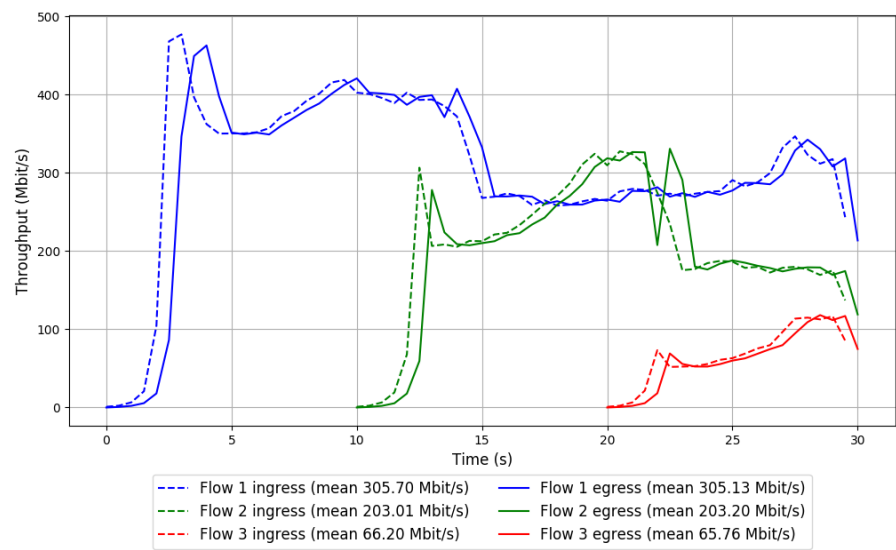
-- Flow 3:

Average throughput: 65.76 Mbit/s

95th percentile per-packet one-way delay: 50.815 ms

Loss rate: 1.69%

Run 8: Report of PCC-Vivace — Data Link

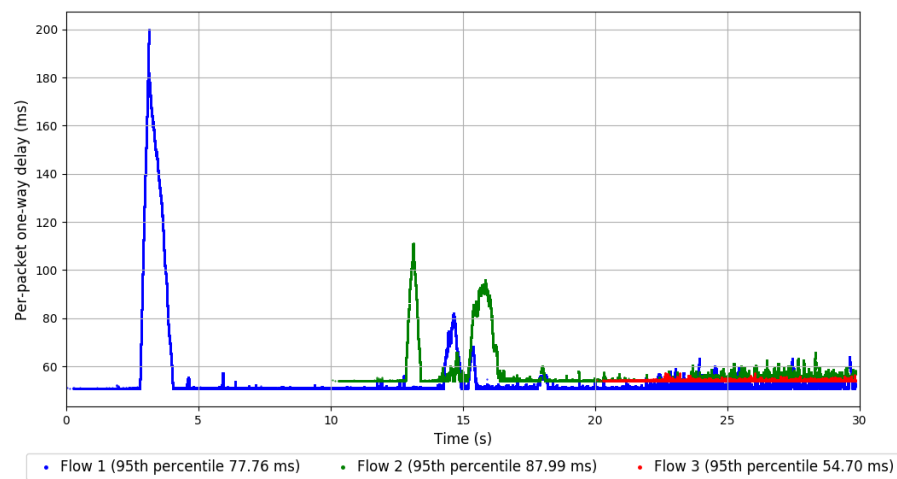
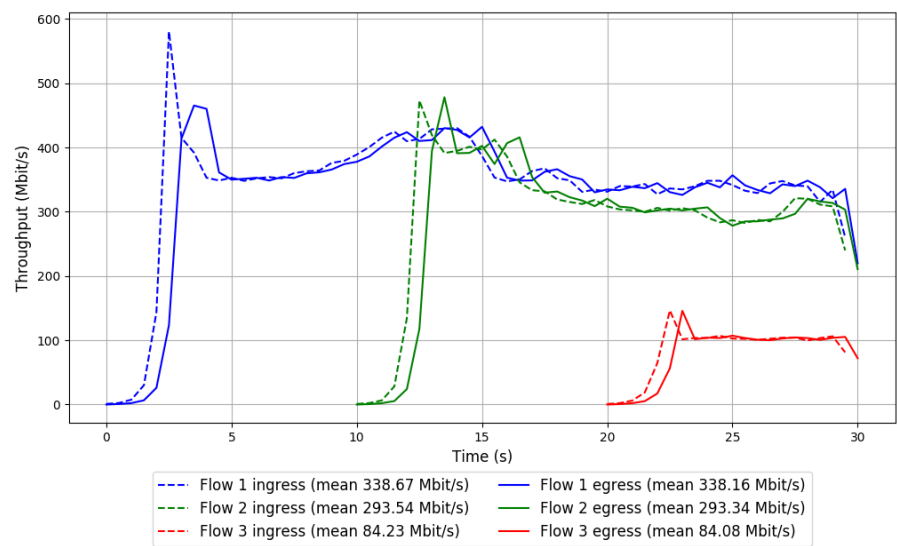


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-06 10:40:50
End at: 2018-07-06 10:41:20
Local clock offset: 0.008 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-06 14:20:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 560.44 Mbit/s
95th percentile per-packet one-way delay: 83.751 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 338.16 Mbit/s
95th percentile per-packet one-way delay: 77.756 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 293.34 Mbit/s
95th percentile per-packet one-way delay: 87.993 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 54.699 ms
Loss rate: 1.25%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-06 11:05:20

End at: 2018-07-06 11:05:50

Local clock offset: -0.113 ms

Remote clock offset: 1.051 ms

Below is generated by plot.py at 2018-07-06 14:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 545.21 Mbit/s

95th percentile per-packet one-way delay: 97.062 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 326.35 Mbit/s

95th percentile per-packet one-way delay: 88.985 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 314.23 Mbit/s

95th percentile per-packet one-way delay: 104.492 ms

Loss rate: 0.47%

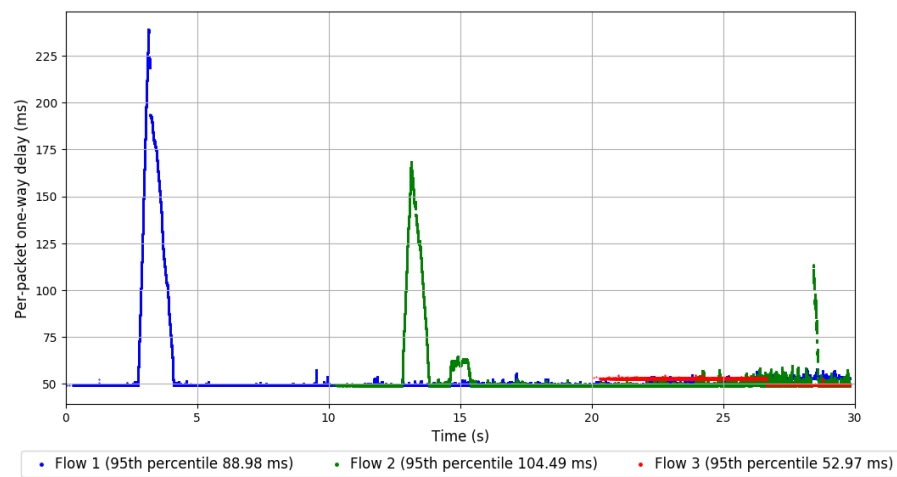
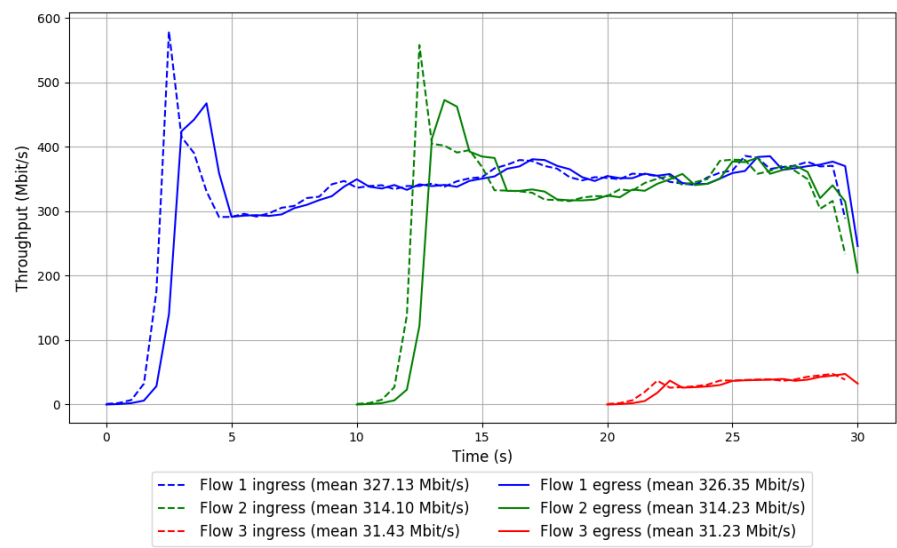
-- Flow 3:

Average throughput: 31.23 Mbit/s

95th percentile per-packet one-way delay: 52.972 ms

Loss rate: 1.74%

Run 10: Report of PCC-Vivace — Data Link

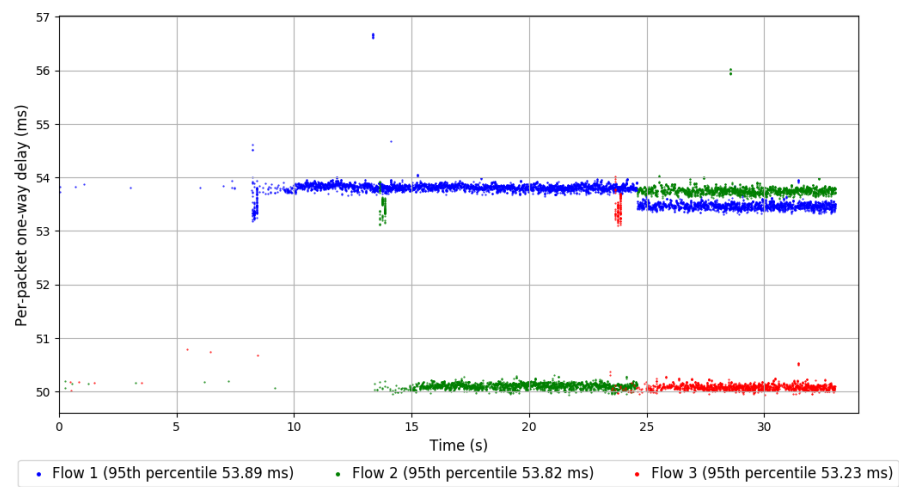
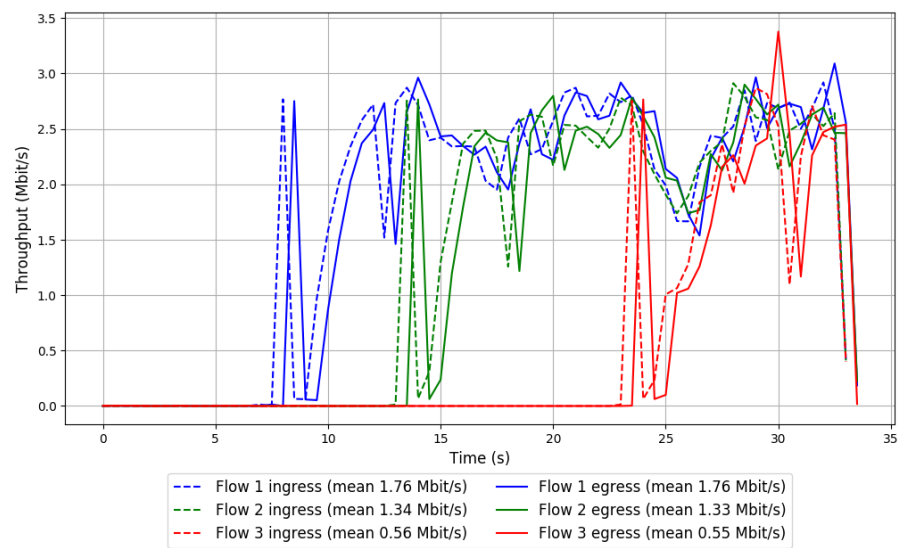


Run 1: Statistics of WebRTC media

Start at: 2018-07-06 07:22:45
End at: 2018-07-06 07:23:15
Local clock offset: 0.133 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-06 14:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 53.873 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 53.890 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 53.816 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 53.225 ms
Loss rate: 1.59%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-06 07:47:08

End at: 2018-07-06 07:47:38

Local clock offset: -0.063 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-07-06 14:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 53.556 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 50.243 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 53.583 ms

Loss rate: 0.74%

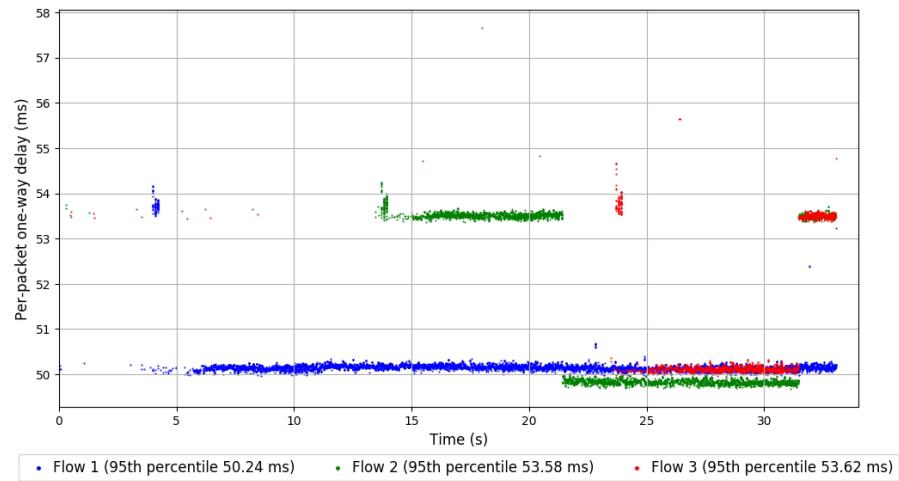
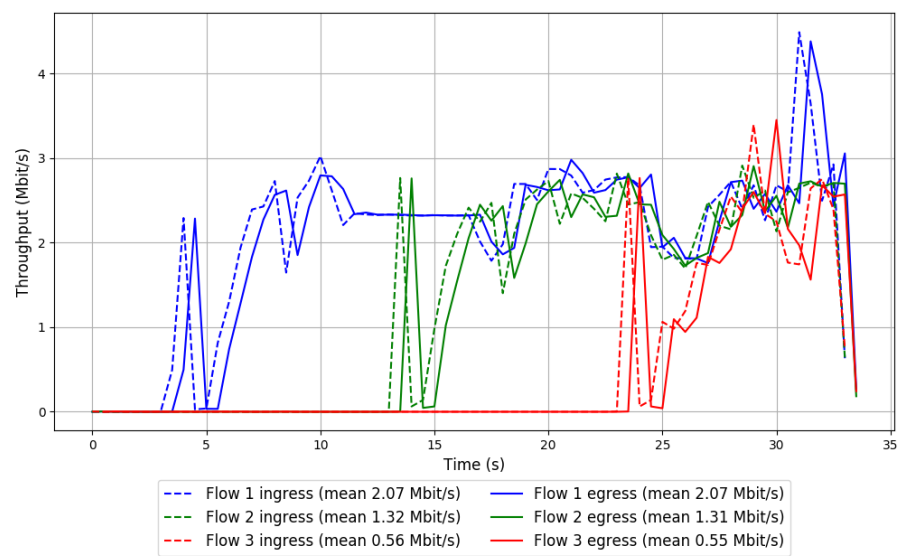
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 53.620 ms

Loss rate: 1.97%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-06 08:11:43

End at: 2018-07-06 08:12:13

Local clock offset: -0.003 ms

Remote clock offset: 1.263 ms

Below is generated by plot.py at 2018-07-06 14:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 52.404 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 49.165 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 48.838 ms

Loss rate: 0.76%

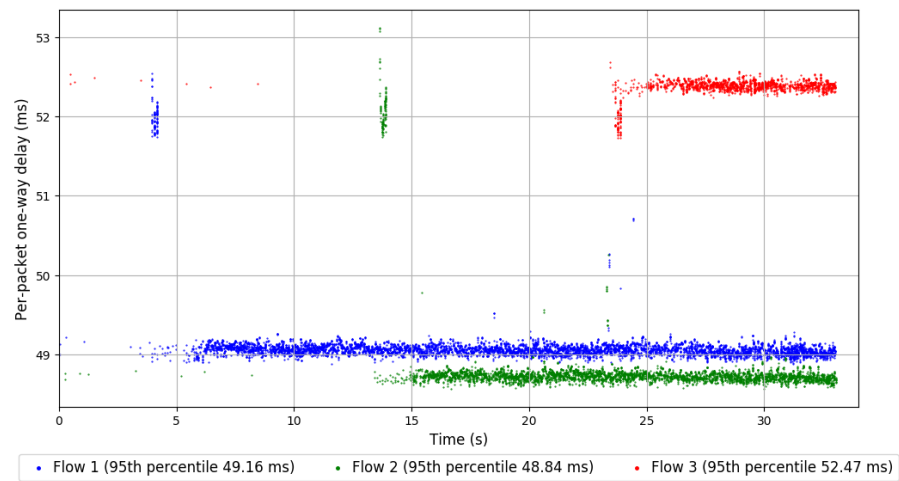
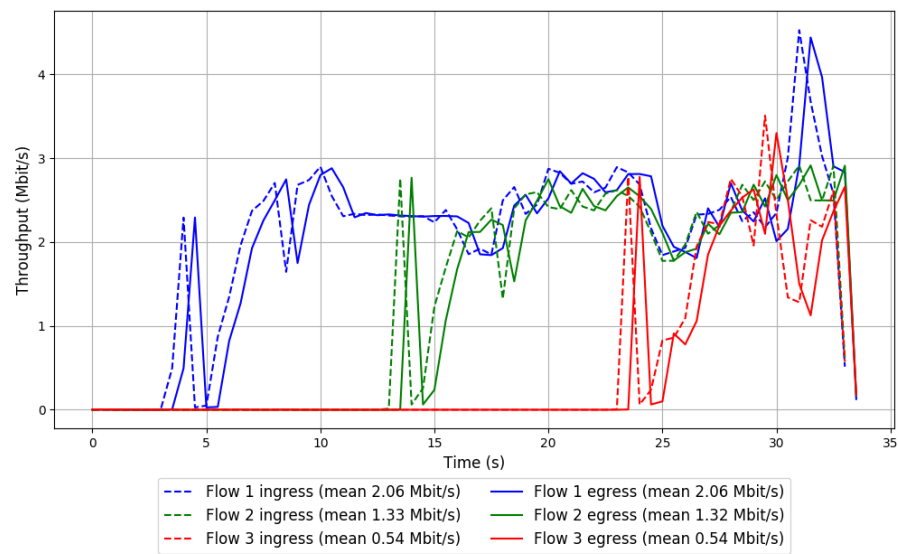
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 52.474 ms

Loss rate: 1.60%

Run 3: Report of WebRTC media — Data Link

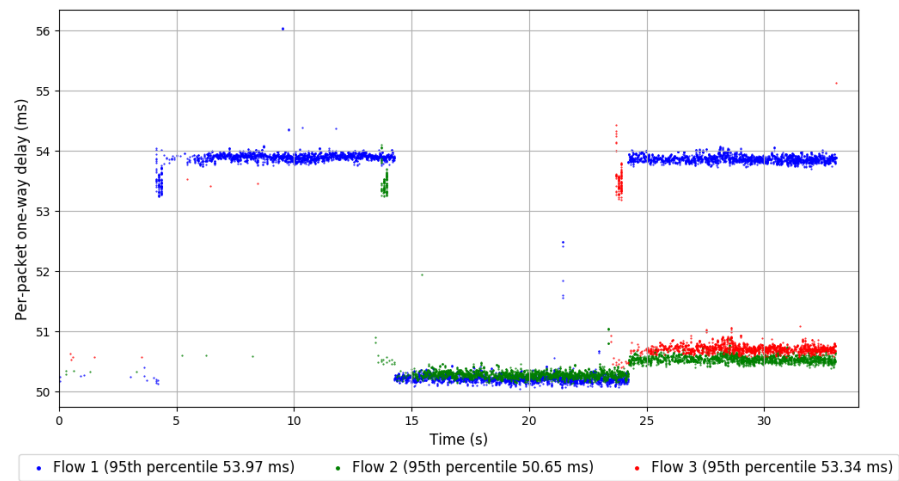
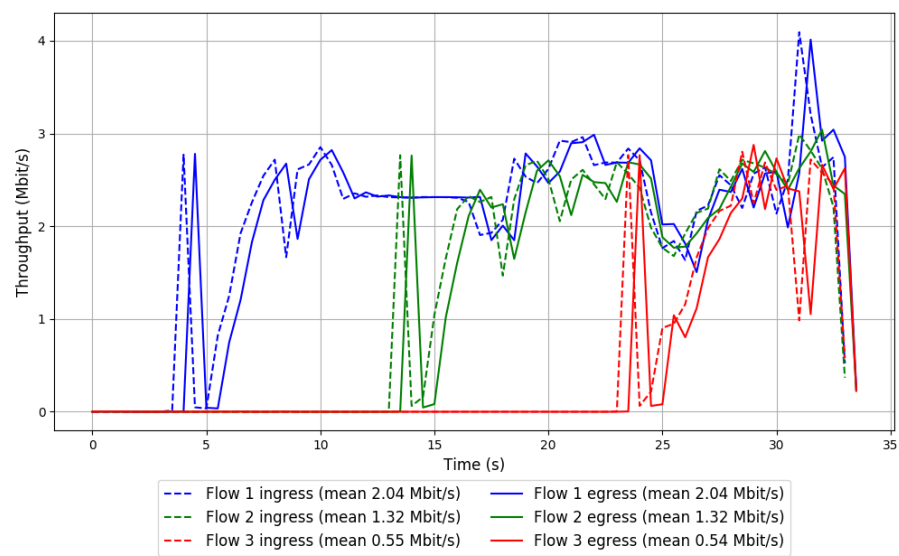


Run 4: Statistics of WebRTC media

Start at: 2018-07-06 08:36:25
End at: 2018-07-06 08:36:55
Local clock offset: 0.052 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-07-06 14:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 53.944 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 53.965 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 50.652 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.343 ms
Loss rate: 1.60%

Run 4: Report of WebRTC media — Data Link

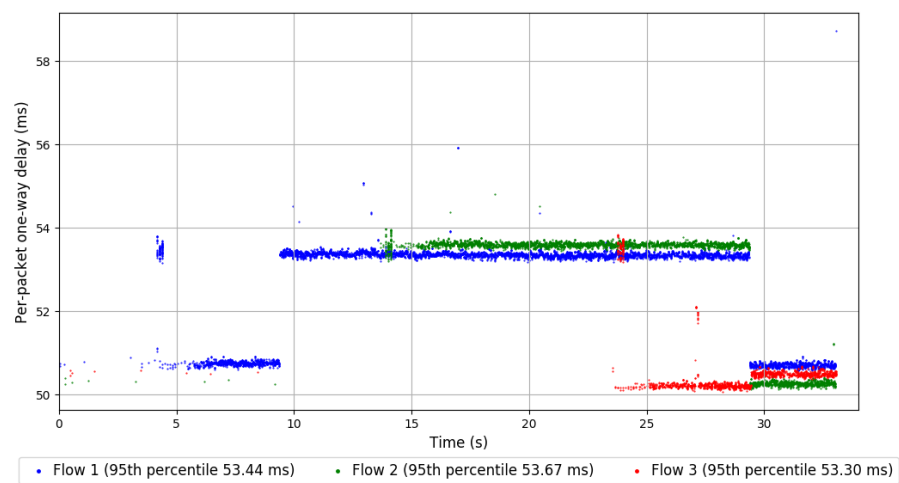
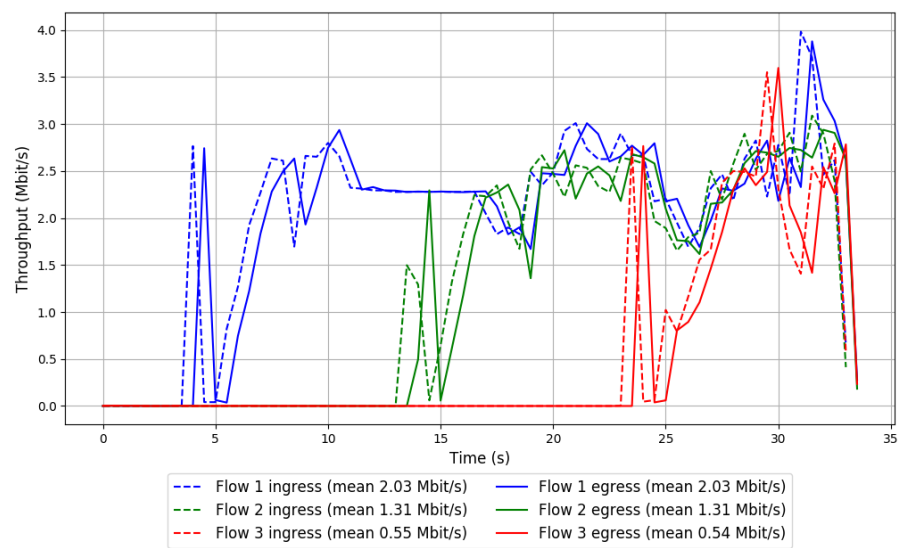


Run 5: Statistics of WebRTC media

Start at: 2018-07-06 09:01:20
End at: 2018-07-06 09:01:50
Local clock offset: 0.133 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-06 14:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 53.640 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 53.442 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 53.672 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.302 ms
Loss rate: 1.59%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-06 09:25:44

End at: 2018-07-06 09:26:14

Local clock offset: 0.07 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-06 14:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 53.864 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 53.753 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 50.375 ms

Loss rate: 0.48%

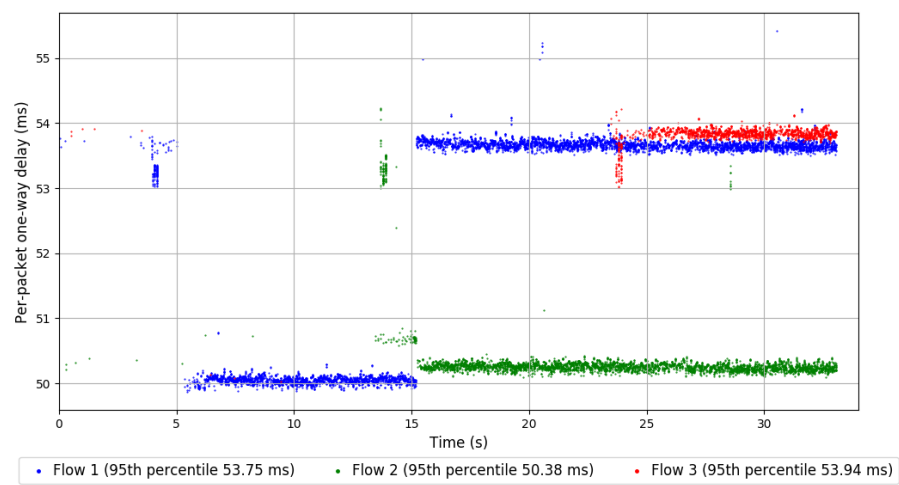
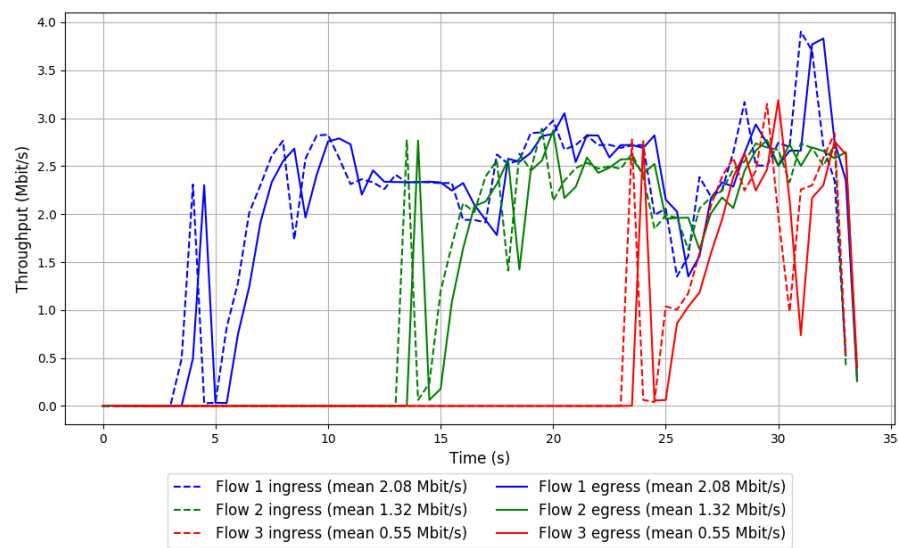
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 53.936 ms

Loss rate: 1.46%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-06 09:50:13

End at: 2018-07-06 09:50:43

Local clock offset: 0.075 ms

Remote clock offset: 1.361 ms

Below is generated by plot.py at 2018-07-06 14:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 52.473 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 48.848 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 48.930 ms

Loss rate: 0.67%

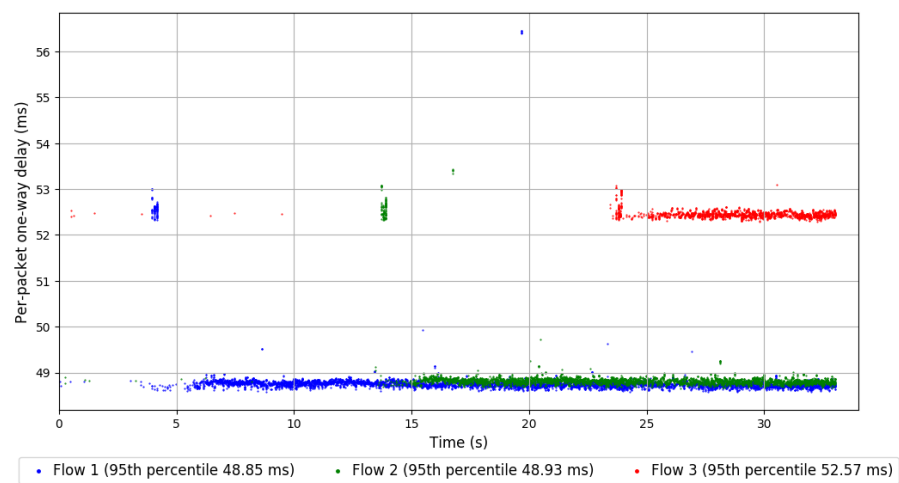
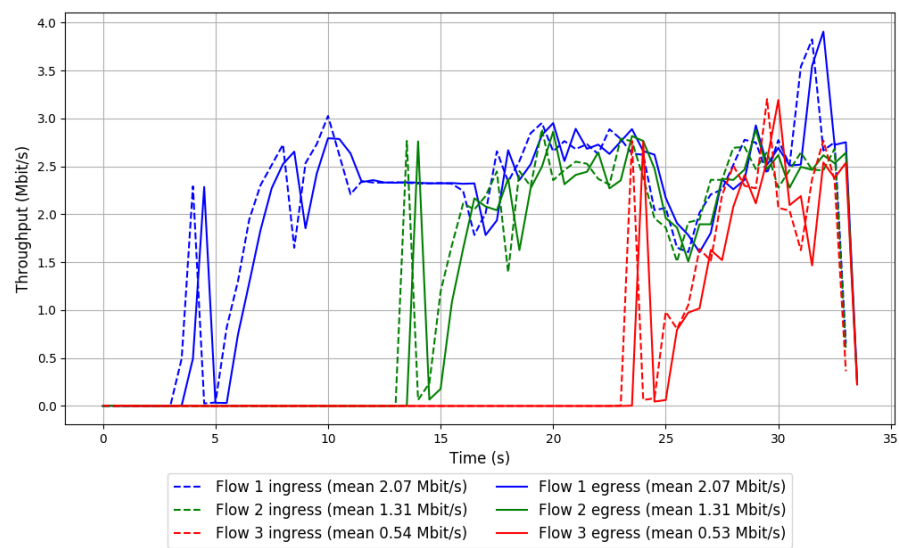
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 52.568 ms

Loss rate: 1.04%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-06 10:15:11

End at: 2018-07-06 10:15:41

Local clock offset: -0.088 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-06 14:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 53.911 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 53.926 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 53.690 ms

Loss rate: 0.55%

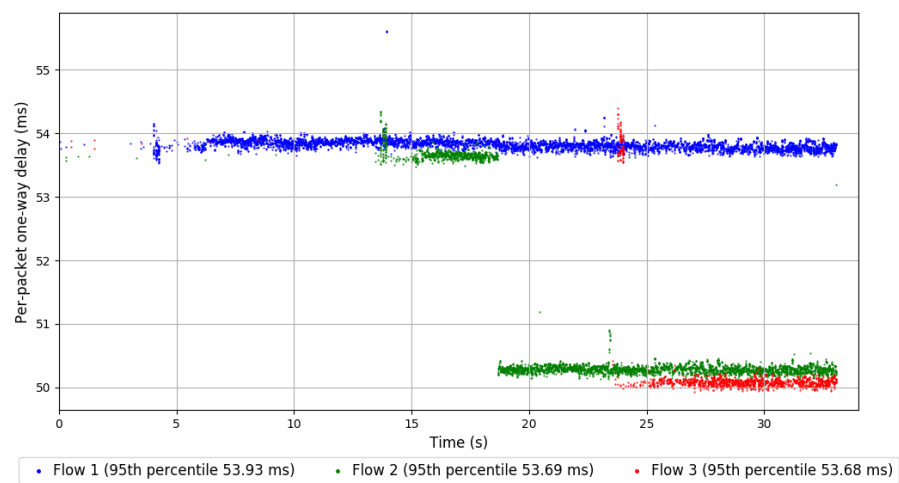
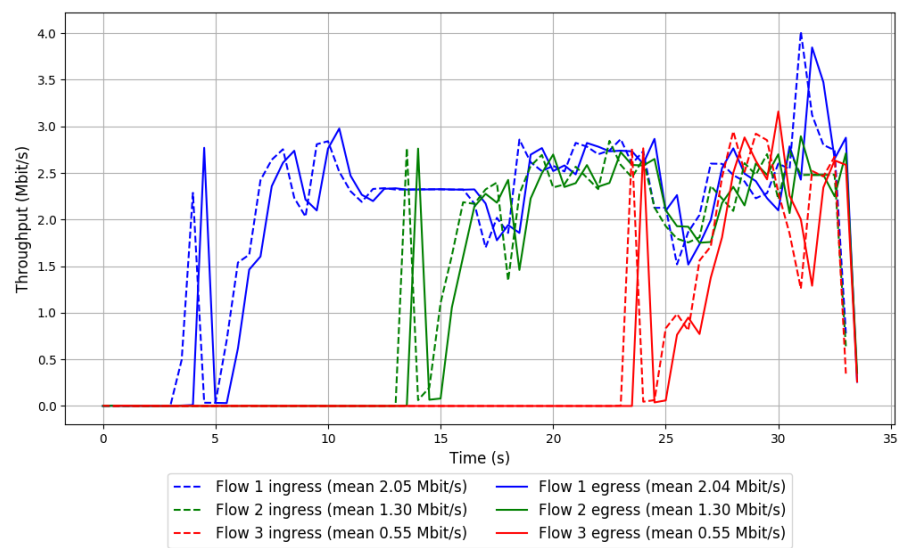
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 53.684 ms

Loss rate: 0.97%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-06 10:39:41

End at: 2018-07-06 10:40:11

Local clock offset: -0.094 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-06 14:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 50.711 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 50.435 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 0.47%

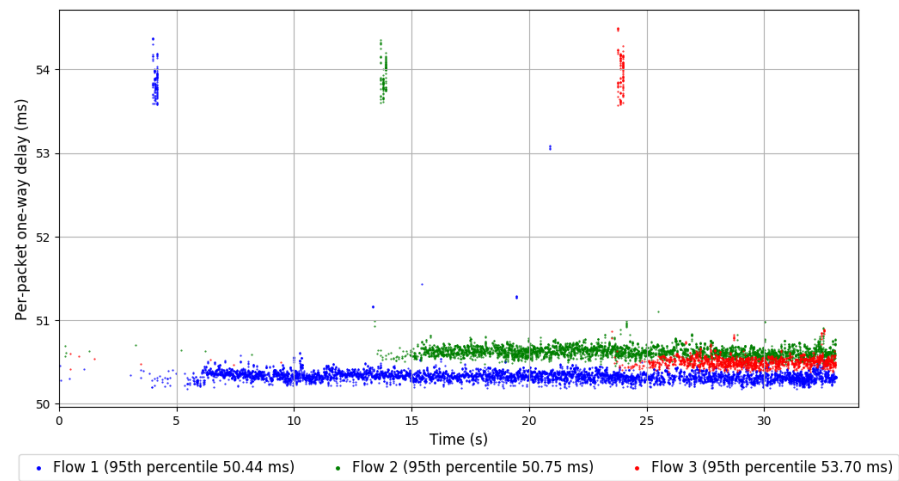
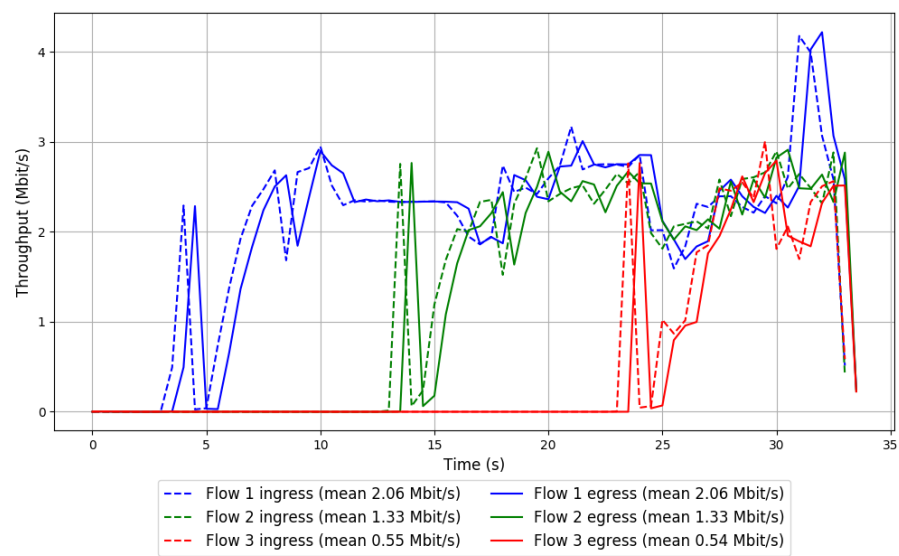
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 53.698 ms

Loss rate: 1.64%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-06 11:04:11
End at: 2018-07-06 11:04:41
Local clock offset: -0.134 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-06 14:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 53.978 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 54.005 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 50.777 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 53.832 ms
Loss rate: 1.13%

Run 10: Report of WebRTC media — Data Link

