

Pantheon Report

Generated at 2018-07-27 15:50:55 (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.

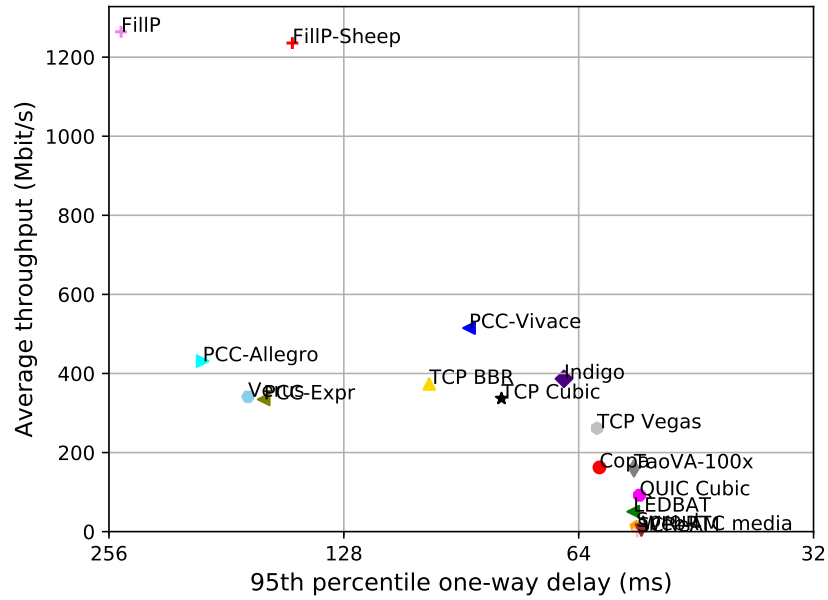
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

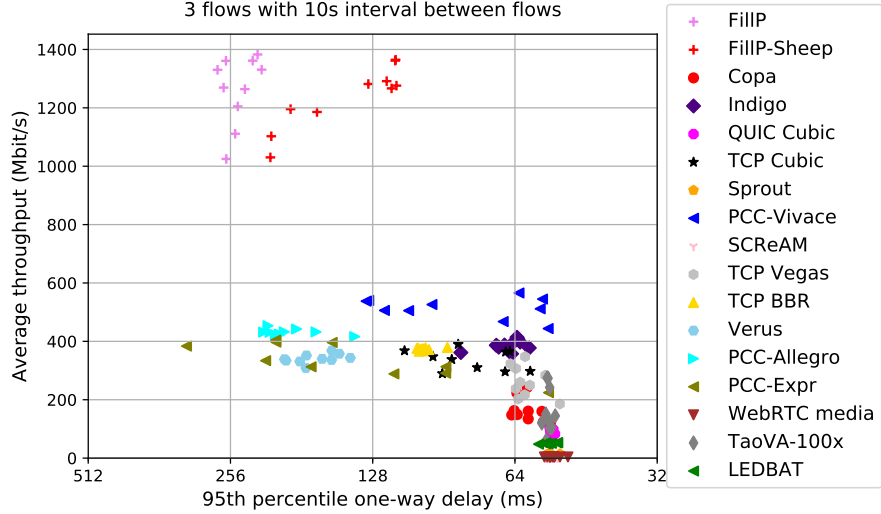
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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



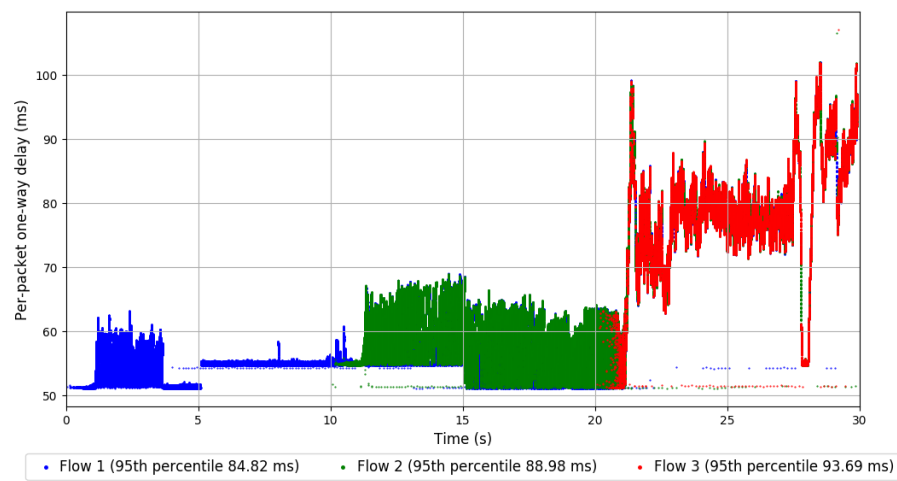
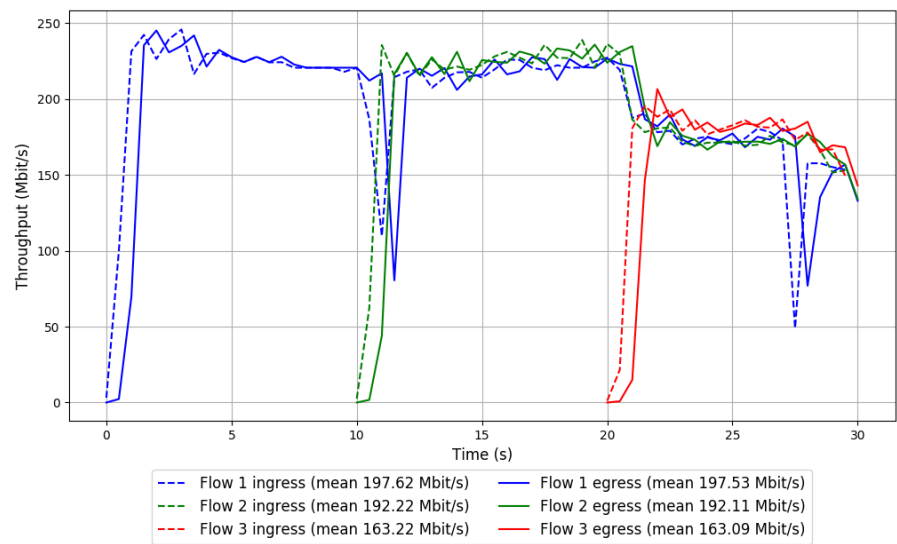
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	197.80	185.03	160.17	96.50	99.75	102.71	0.35	0.63	1.49
Copa	10	86.69	71.32	93.63	59.03	59.55	59.97	0.41	0.42	1.08
TCP Cubic	10	198.77	158.43	99.04	78.06	81.11	81.29	0.33	0.93	2.61
FillP	10	671.24	626.53	536.97	254.61	238.27	189.35	2.95	3.58	3.06
FillP-Sheep	10	653.23	598.94	560.55	153.25	140.49	115.73	0.65	1.16	1.66
Indigo	10	215.55	192.04	131.07	64.14	68.70	72.13	0.34	0.49	1.23
LEDBAT	10	32.95	21.43	10.44	54.50	54.27	54.28	0.68	1.05	2.15
PCC-Allegro	10	398.60	37.31	23.60	194.15	195.31	183.45	1.71	2.23	3.74
PCC-Expr	10	214.32	137.83	87.58	153.99	140.94	128.57	5.43	3.72	5.82
QUIC Cubic	10	57.64	40.19	22.90	52.80	53.13	52.51	0.44	0.89	1.07
SCReAM	10	0.21	0.21	0.22	53.73	52.47	53.38	0.37	0.57	1.05
Sprout	10	6.46	6.21	6.06	54.04	53.90	53.62	0.30	0.49	1.16
TaoVA-100x	10	113.35	79.84	102.27	54.21	55.18	55.04	0.16	0.26	1.00
TCP Vegas	10	164.00	120.82	51.89	59.86	57.68	57.10	0.29	0.59	1.49
Verus	10	208.06	150.48	102.83	164.12	177.67	205.52	1.15	1.75	2.67
PCC-Vivace	10	305.38	253.33	126.21	92.35	96.51	59.11	0.42	0.57	1.44
WebRTC media	10	2.03	1.33	0.54	52.75	52.79	52.72	0.41	0.66	1.56

Run 1: Statistics of TCP BBR

Start at: 2018-07-27 08:27:02
End at: 2018-07-27 08:27:32
Local clock offset: -0.066 ms
Remote clock offset: -1.258 ms

Below is generated by plot.py at 2018-07-27 12:39:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.11 Mbit/s
95th percentile per-packet one-way delay: 88.952 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 197.53 Mbit/s
95th percentile per-packet one-way delay: 84.819 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 192.11 Mbit/s
95th percentile per-packet one-way delay: 88.980 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 163.09 Mbit/s
95th percentile per-packet one-way delay: 93.686 ms
Loss rate: 1.13%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-27 08:51:26

End at: 2018-07-27 08:51:56

Local clock offset: 0.141 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-27 12:39:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.38 Mbit/s

95th percentile per-packet one-way delay: 102.019 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 192.76 Mbit/s

95th percentile per-packet one-way delay: 99.975 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 182.17 Mbit/s

95th percentile per-packet one-way delay: 101.867 ms

Loss rate: 0.67%

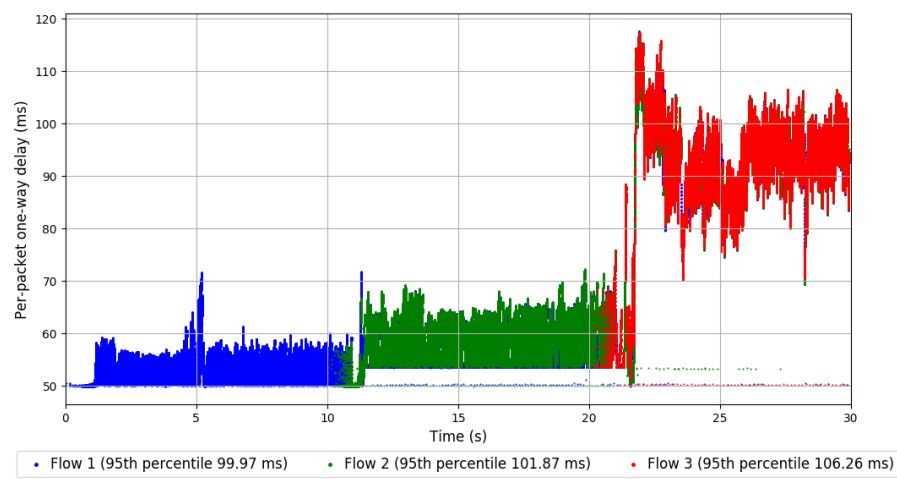
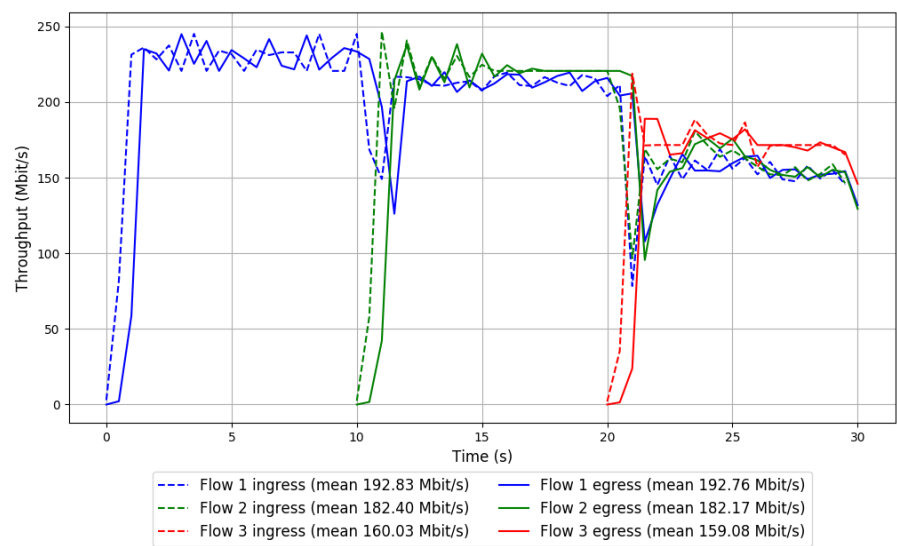
-- Flow 3:

Average throughput: 159.08 Mbit/s

95th percentile per-packet one-way delay: 106.259 ms

Loss rate: 1.67%

Run 2: Report of TCP BBR — Data Link

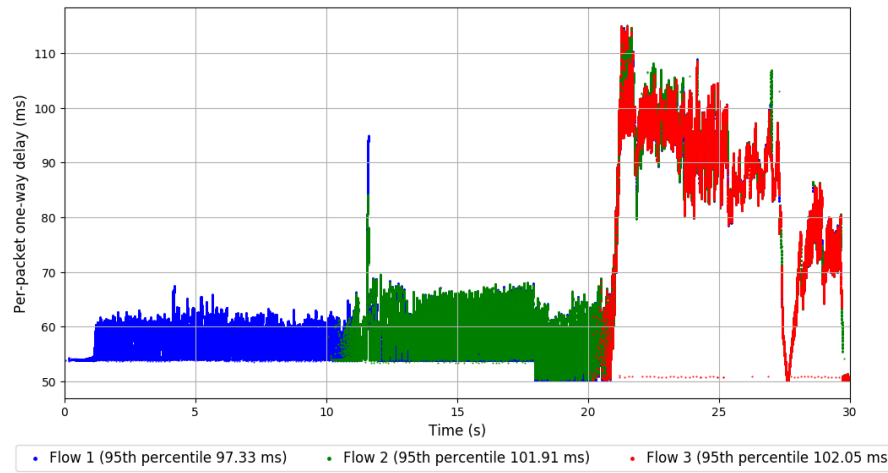
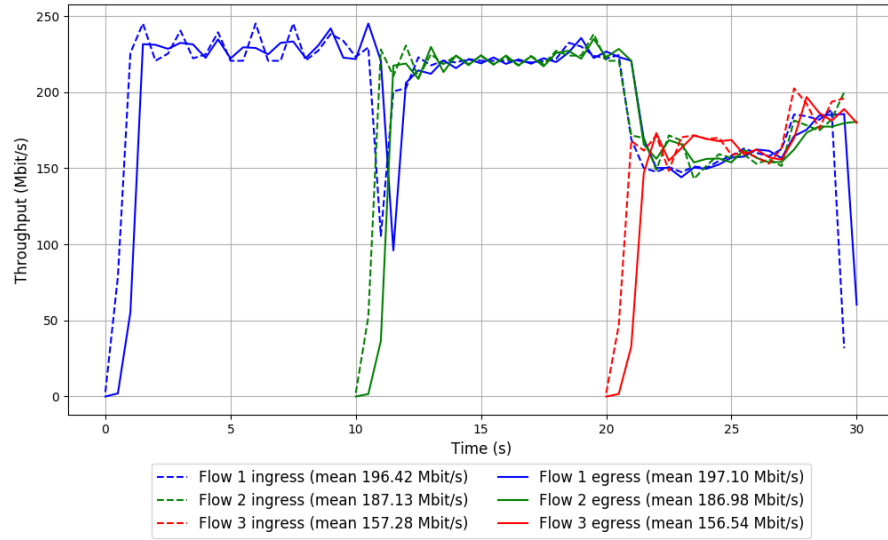


Run 3: Statistics of TCP BBR

Start at: 2018-07-27 09:16:00
End at: 2018-07-27 09:16:30
Local clock offset: 0.168 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-27 12:39:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.61 Mbit/s
95th percentile per-packet one-way delay: 100.206 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 197.10 Mbit/s
95th percentile per-packet one-way delay: 97.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.98 Mbit/s
95th percentile per-packet one-way delay: 101.913 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 156.54 Mbit/s
95th percentile per-packet one-way delay: 102.045 ms
Loss rate: 1.47%

Run 3: Report of TCP BBR — Data Link

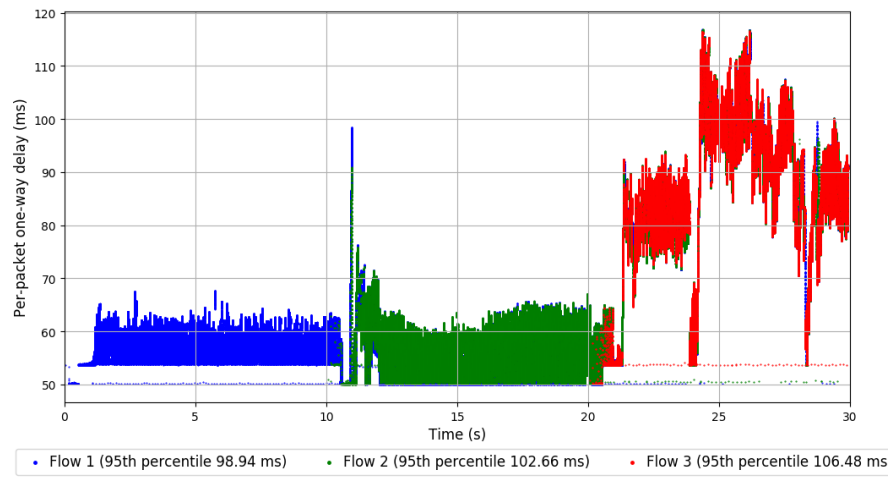
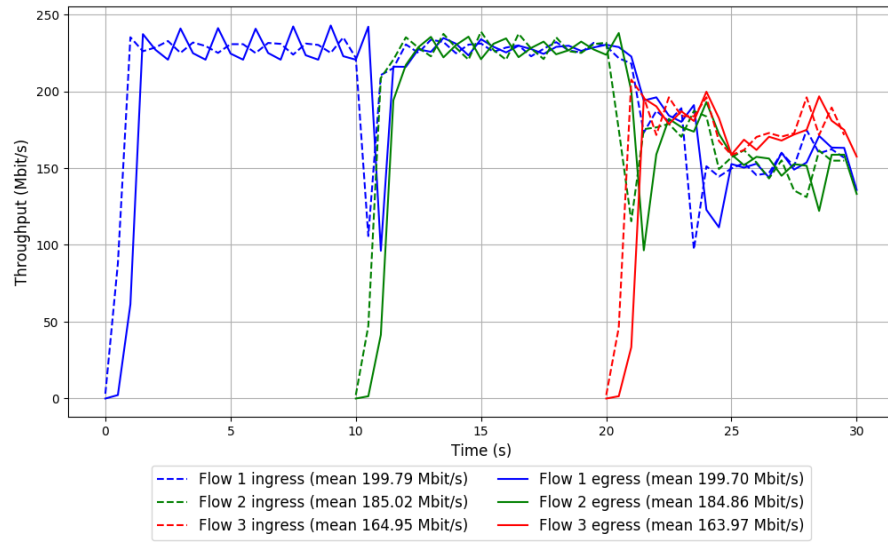


Run 4: Statistics of TCP BBR

Start at: 2018-07-27 09:40:27
End at: 2018-07-27 09:40:57
Local clock offset: -0.064 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-27 12:39:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.75 Mbit/s
95th percentile per-packet one-way delay: 102.643 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 199.70 Mbit/s
95th percentile per-packet one-way delay: 98.936 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 184.86 Mbit/s
95th percentile per-packet one-way delay: 102.662 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 163.97 Mbit/s
95th percentile per-packet one-way delay: 106.483 ms
Loss rate: 1.62%

Run 4: Report of TCP BBR — Data Link

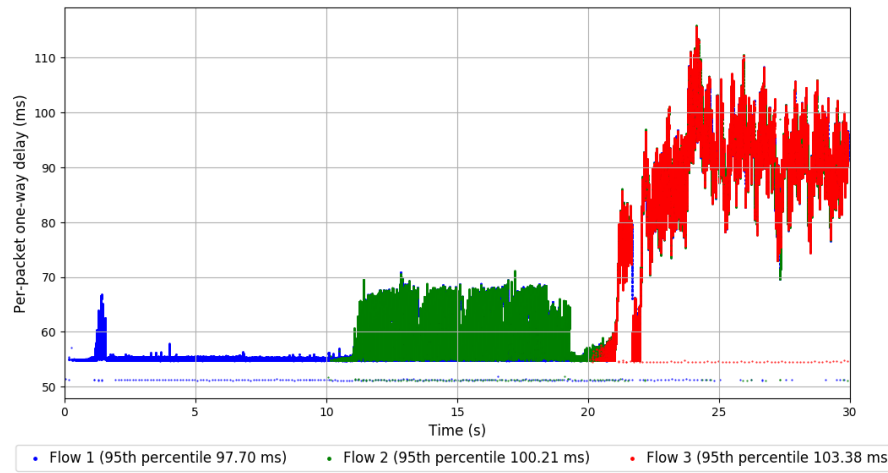
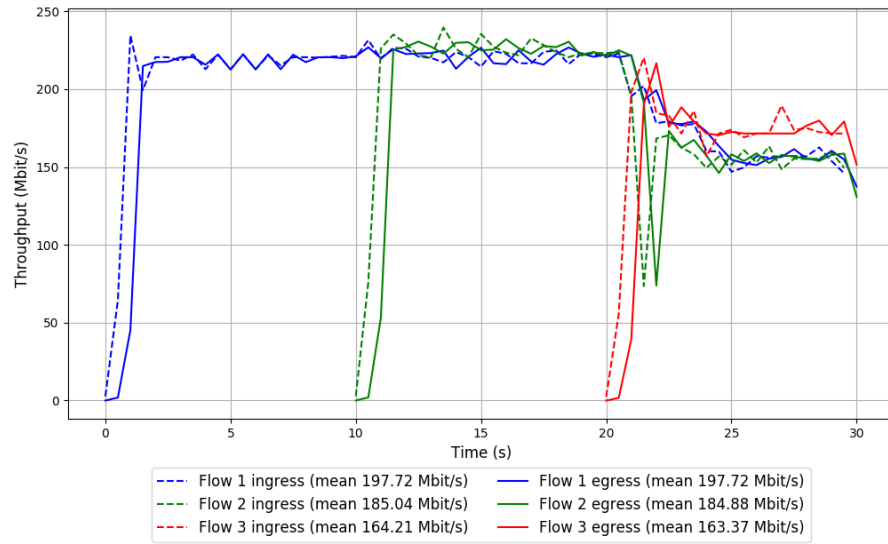


Run 5: Statistics of TCP BBR

Start at: 2018-07-27 10:05:21
End at: 2018-07-27 10:05:51
Local clock offset: -0.195 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-07-27 12:39:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.54 Mbit/s
95th percentile per-packet one-way delay: 100.182 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 197.72 Mbit/s
95th percentile per-packet one-way delay: 97.698 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 184.88 Mbit/s
95th percentile per-packet one-way delay: 100.209 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 163.37 Mbit/s
95th percentile per-packet one-way delay: 103.384 ms
Loss rate: 1.50%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-27 10:29:57

End at: 2018-07-27 10:30:27

Local clock offset: 0.026 ms

Remote clock offset: 1.259 ms

Below is generated by plot.py at 2018-07-27 12:39:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.07 Mbit/s

95th percentile per-packet one-way delay: 97.361 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 201.86 Mbit/s

95th percentile per-packet one-way delay: 93.443 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 180.10 Mbit/s

95th percentile per-packet one-way delay: 96.667 ms

Loss rate: 0.64%

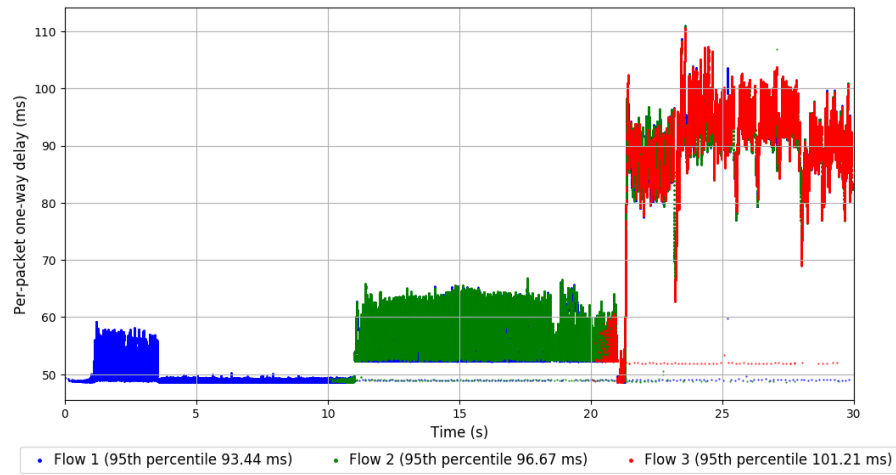
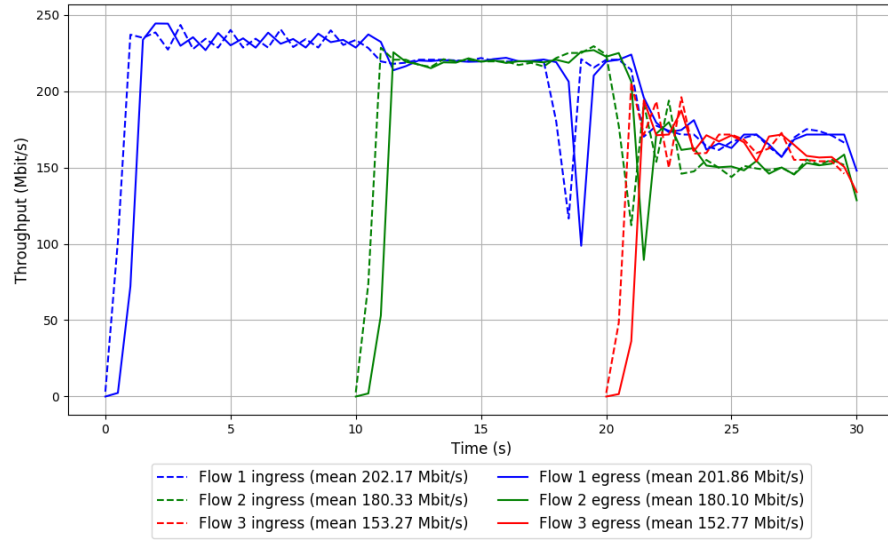
-- Flow 3:

Average throughput: 152.77 Mbit/s

95th percentile per-packet one-way delay: 101.210 ms

Loss rate: 1.35%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-27 10:54:12

End at: 2018-07-27 10:54:42

Local clock offset: -0.053 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-07-27 12:39:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.58 Mbit/s

95th percentile per-packet one-way delay: 100.210 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 193.13 Mbit/s

95th percentile per-packet one-way delay: 97.563 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 188.29 Mbit/s

95th percentile per-packet one-way delay: 102.109 ms

Loss rate: 0.63%

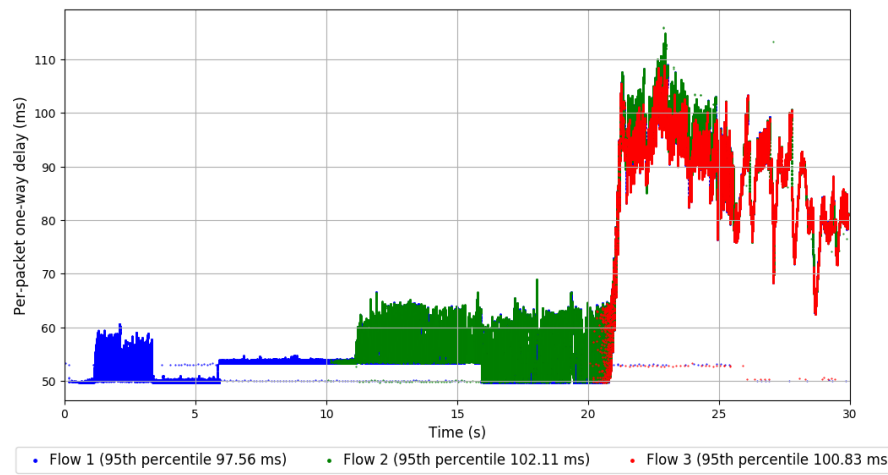
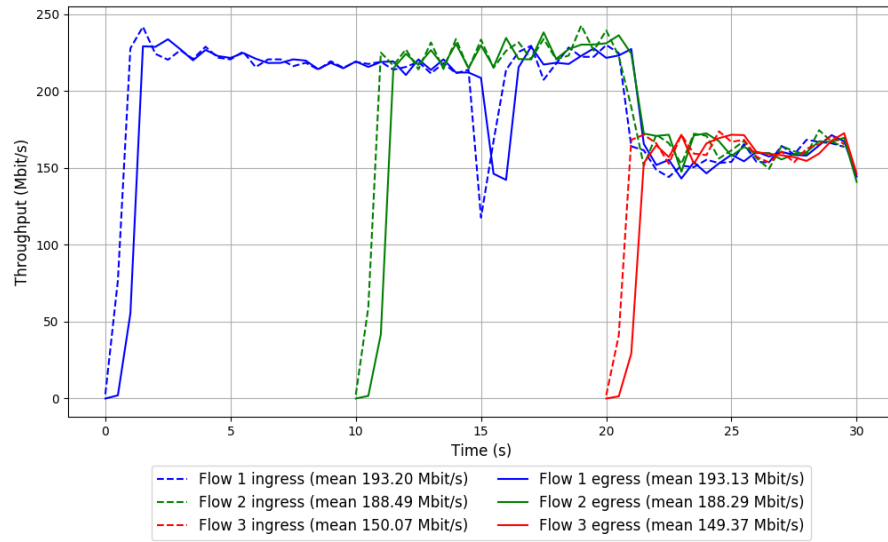
-- Flow 3:

Average throughput: 149.37 Mbit/s

95th percentile per-packet one-way delay: 100.832 ms

Loss rate: 1.54%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-27 11:18:36

End at: 2018-07-27 11:19:06

Local clock offset: -0.165 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-07-27 12:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.65 Mbit/s

95th percentile per-packet one-way delay: 98.977 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 203.50 Mbit/s

95th percentile per-packet one-way delay: 96.610 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 183.56 Mbit/s

95th percentile per-packet one-way delay: 98.962 ms

Loss rate: 0.68%

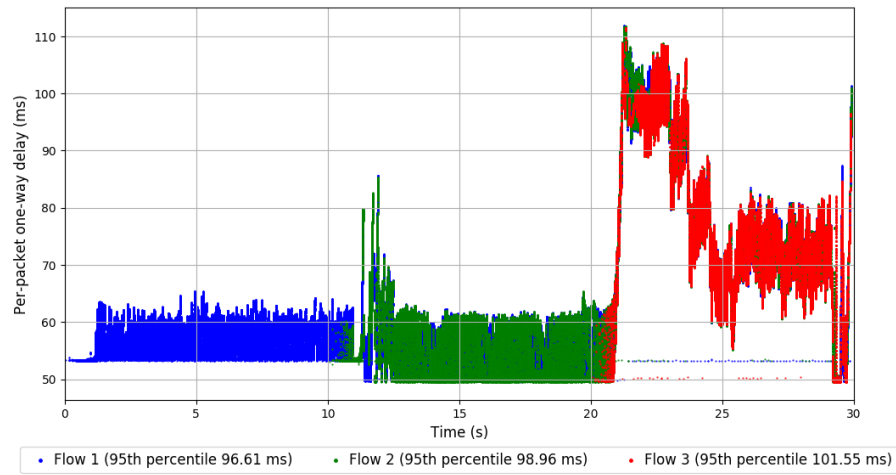
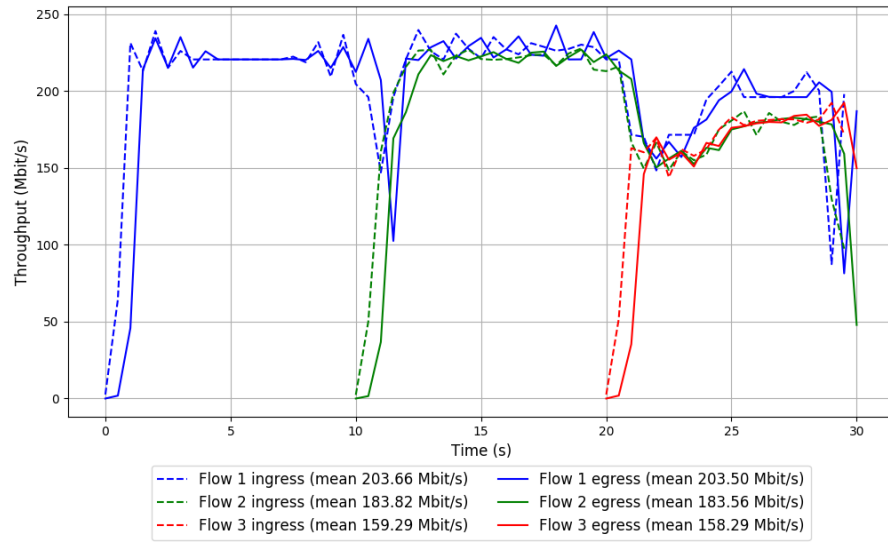
-- Flow 3:

Average throughput: 158.29 Mbit/s

95th percentile per-packet one-way delay: 101.547 ms

Loss rate: 1.53%

Run 8: Report of TCP BBR — Data Link

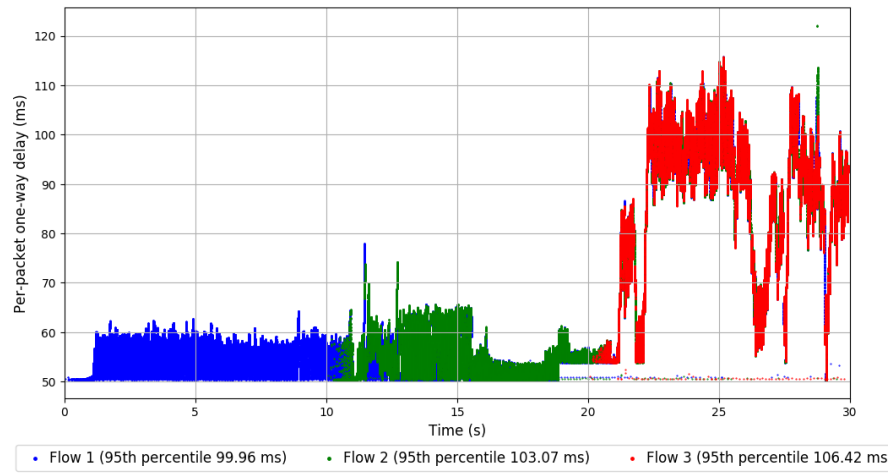
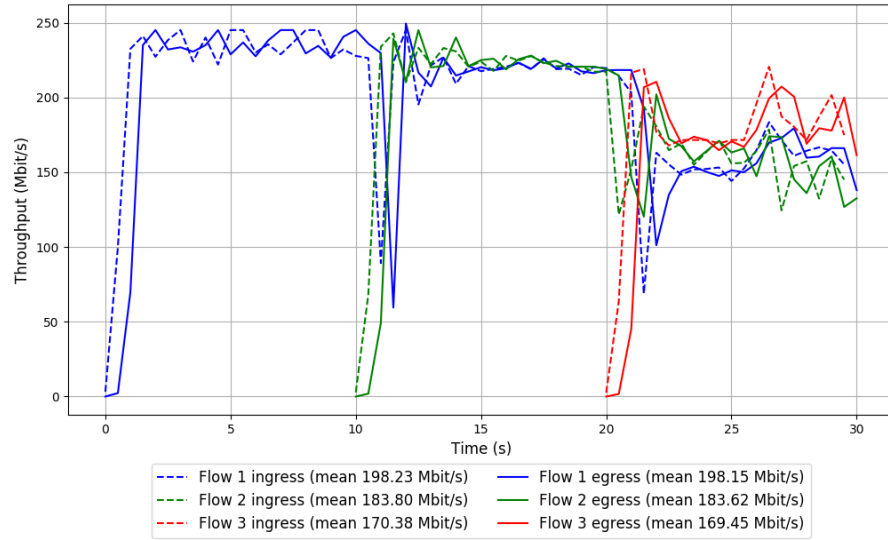


Run 9: Statistics of TCP BBR

Start at: 2018-07-27 11:43:29
End at: 2018-07-27 11:43:59
Local clock offset: 0.128 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-27 12:46:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.12 Mbit/s
95th percentile per-packet one-way delay: 103.127 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 198.15 Mbit/s
95th percentile per-packet one-way delay: 99.964 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 183.62 Mbit/s
95th percentile per-packet one-way delay: 103.070 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 169.45 Mbit/s
95th percentile per-packet one-way delay: 106.421 ms
Loss rate: 1.55%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-27 12:07:57

End at: 2018-07-27 12:08:27

Local clock offset: -0.153 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-27 12:46:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.43 Mbit/s

95th percentile per-packet one-way delay: 101.146 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 196.54 Mbit/s

95th percentile per-packet one-way delay: 98.671 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 183.75 Mbit/s

95th percentile per-packet one-way delay: 101.066 ms

Loss rate: 0.64%

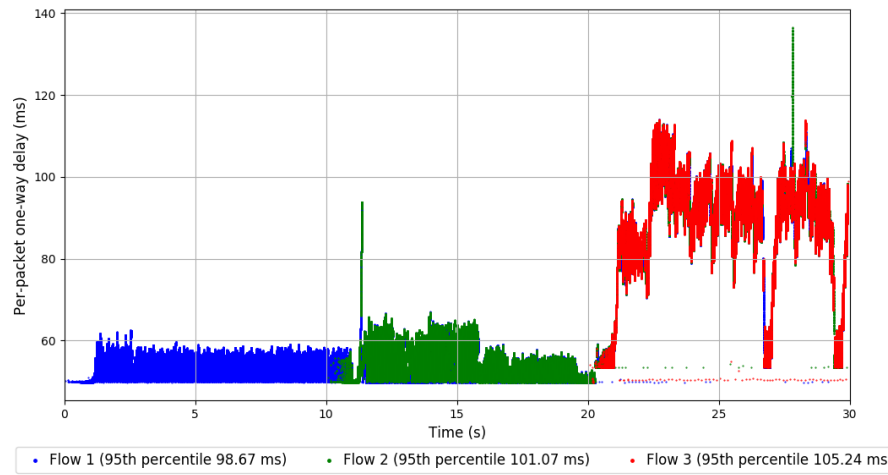
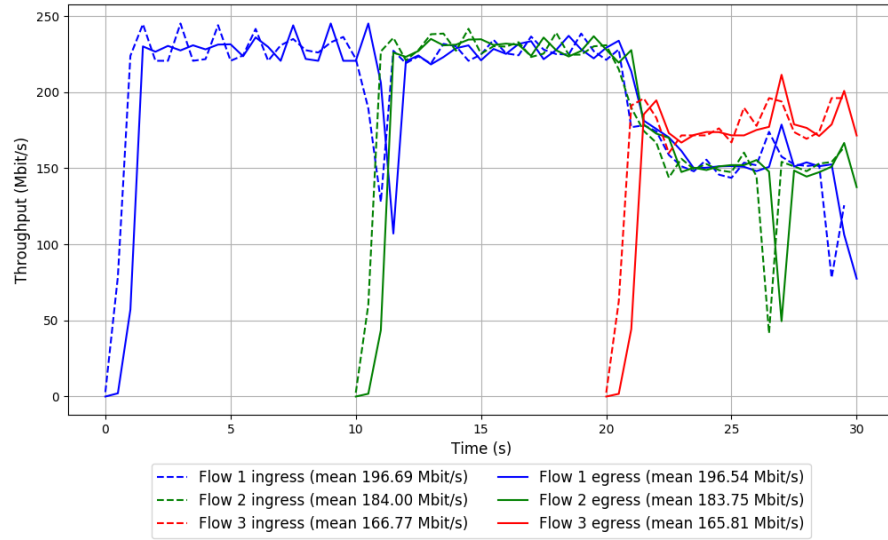
-- Flow 3:

Average throughput: 165.81 Mbit/s

95th percentile per-packet one-way delay: 105.240 ms

Loss rate: 1.50%

Run 10: Report of TCP BBR — Data Link

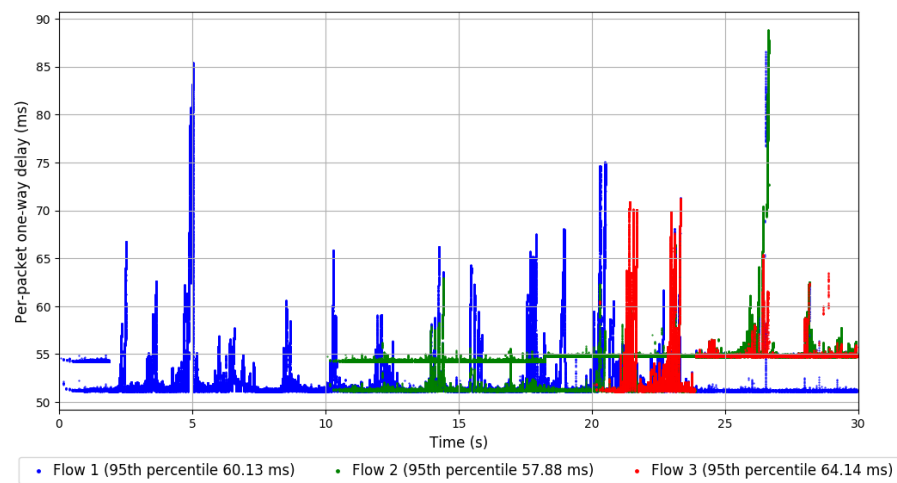
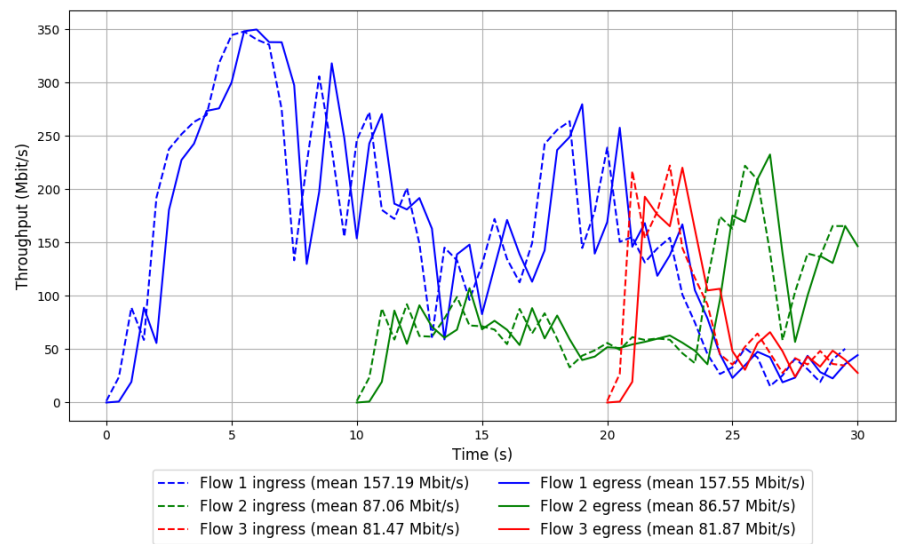


Run 1: Statistics of Copa

Start at: 2018-07-27 08:31:04
End at: 2018-07-27 08:31:34
Local clock offset: -0.162 ms
Remote clock offset: -1.445 ms

Below is generated by plot.py at 2018-07-27 12:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.17 Mbit/s
95th percentile per-packet one-way delay: 60.301 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 157.55 Mbit/s
95th percentile per-packet one-way delay: 60.130 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 57.881 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 64.142 ms
Loss rate: 0.51%

Run 1: Report of Copa — Data Link

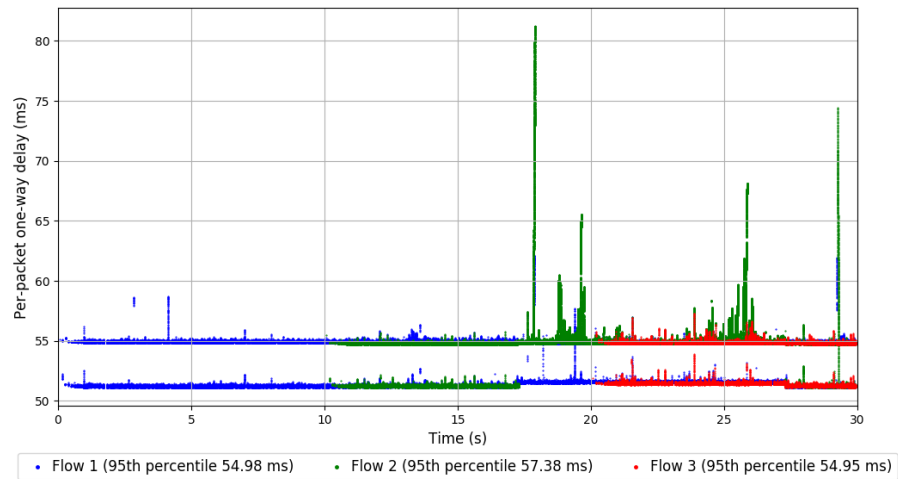
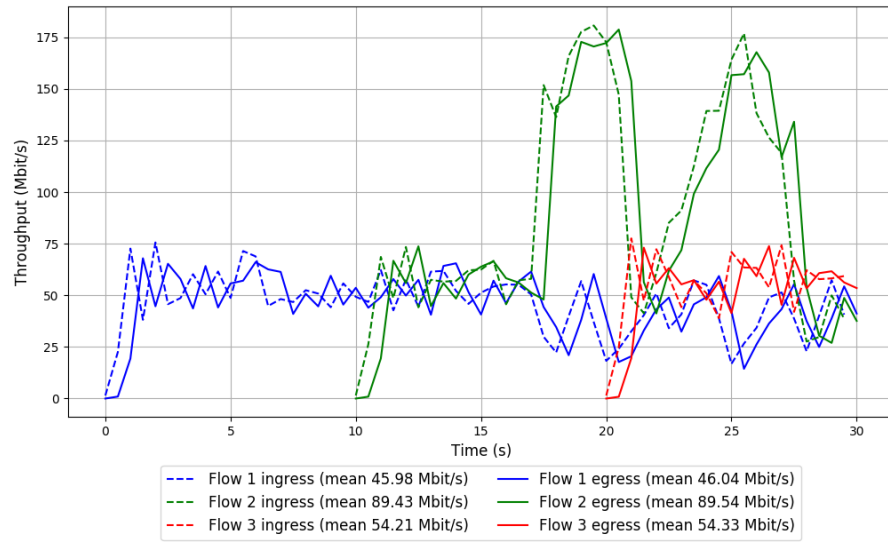


Run 2: Statistics of Copa

Start at: 2018-07-27 08:55:30
End at: 2018-07-27 08:56:00
Local clock offset: -0.13 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-07-27 12:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.47 Mbit/s
95th percentile per-packet one-way delay: 55.764 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 54.985 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 57.375 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 54.945 ms
Loss rate: 0.80%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-27 09:20:01

End at: 2018-07-27 09:20:31

Local clock offset: 0.048 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-27 12:48:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.67 Mbit/s

95th percentile per-packet one-way delay: 53.847 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 62.30 Mbit/s

95th percentile per-packet one-way delay: 55.087 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 57.11 Mbit/s

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

Loss rate: 1.02%

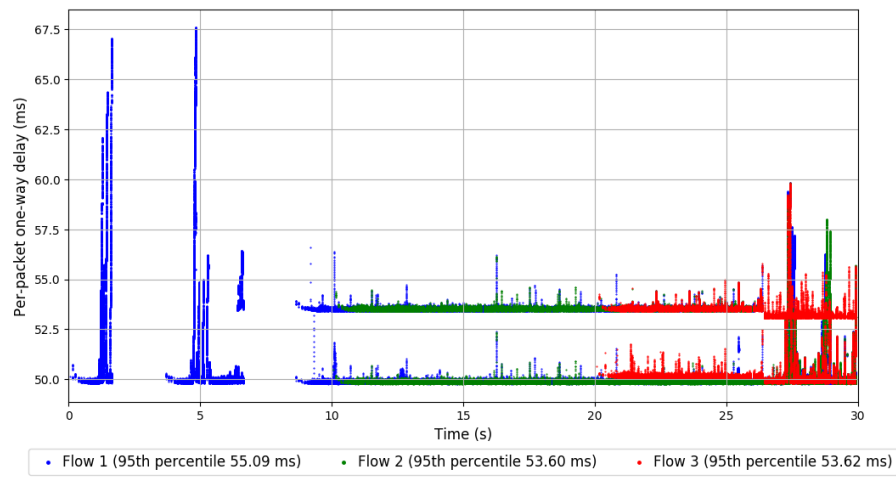
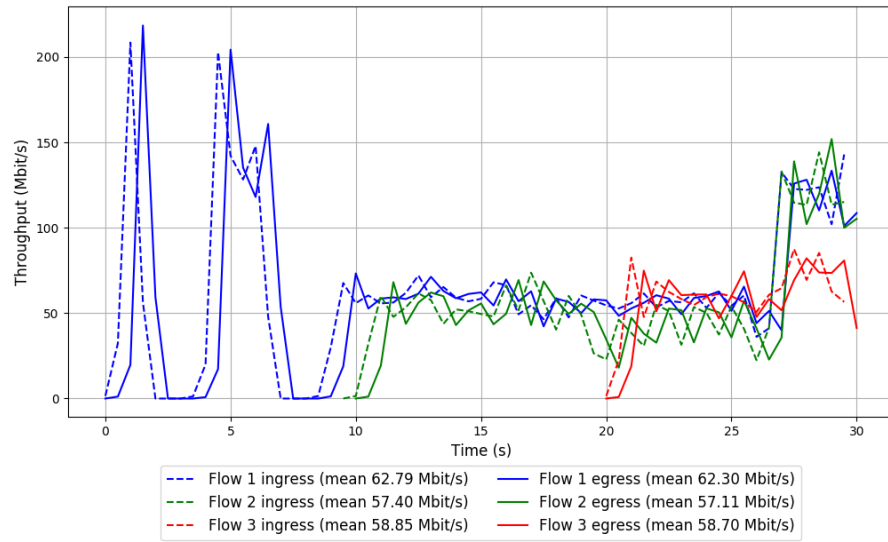
-- Flow 3:

Average throughput: 58.70 Mbit/s

95th percentile per-packet one-way delay: 53.615 ms

Loss rate: 1.31%

Run 3: Report of Copa — Data Link

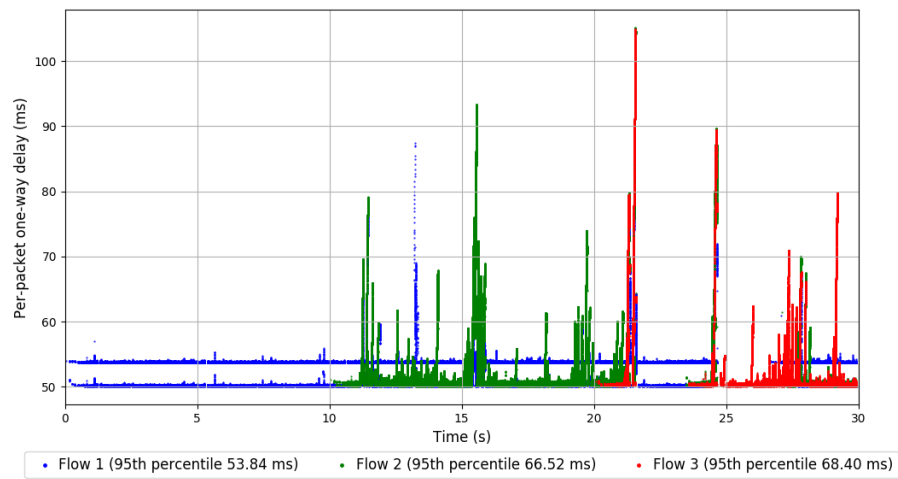
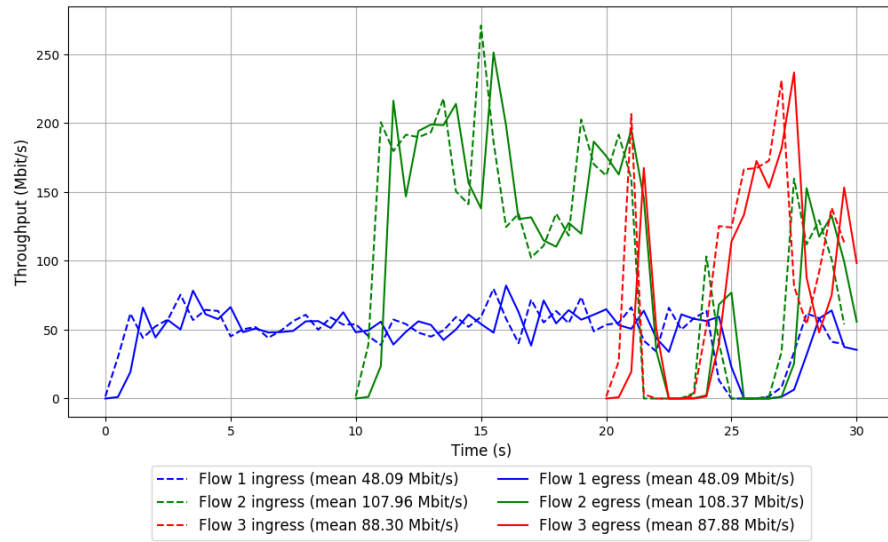


Run 4: Statistics of Copa

Start at: 2018-07-27 09:44:32
End at: 2018-07-27 09:45:02
Local clock offset: -0.029 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-27 12:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 149.20 Mbit/s
95th percentile per-packet one-way delay: 63.287 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 108.37 Mbit/s
95th percentile per-packet one-way delay: 66.521 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 68.403 ms
Loss rate: 1.48%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-27 10:09:26

End at: 2018-07-27 10:09:56

Local clock offset: 0.101 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-07-27 12:48:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.86 Mbit/s

95th percentile per-packet one-way delay: 65.018 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 62.25 Mbit/s

95th percentile per-packet one-way delay: 65.815 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 66.701 ms

Loss rate: 0.42%

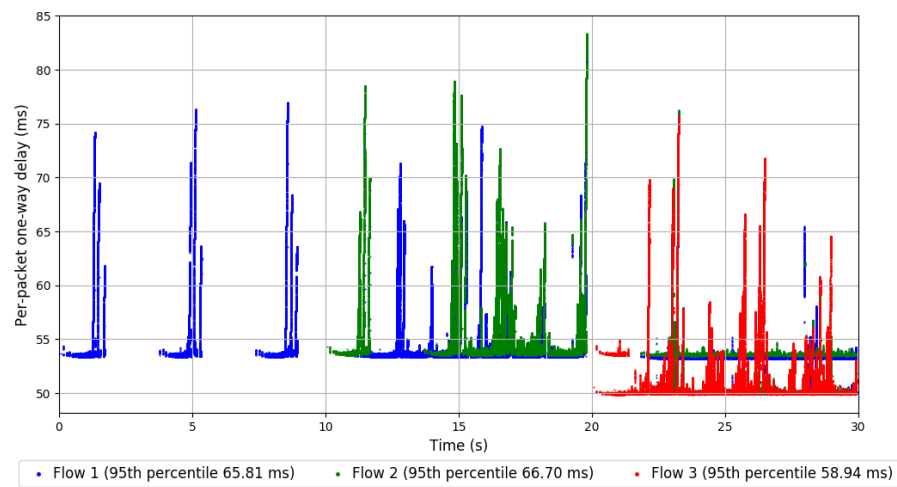
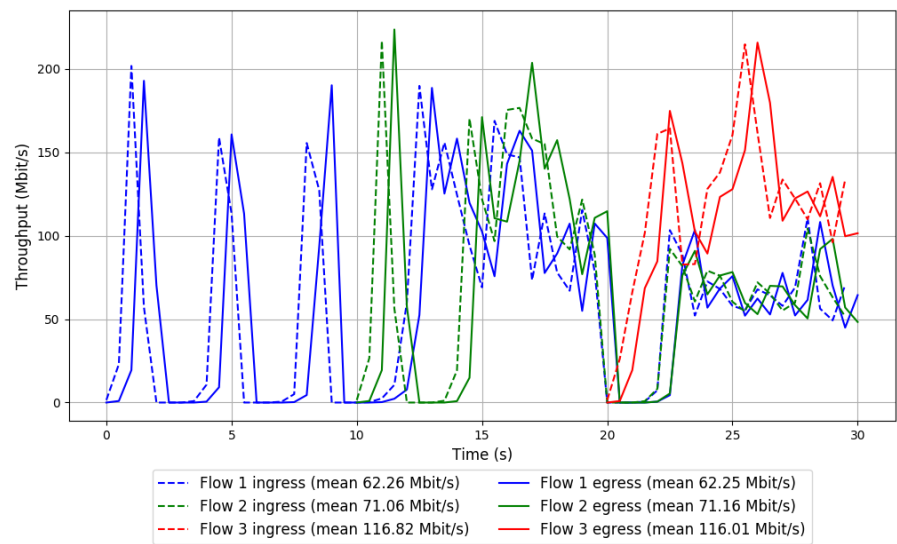
-- Flow 3:

Average throughput: 116.01 Mbit/s

95th percentile per-packet one-way delay: 58.936 ms

Loss rate: 1.70%

Run 5: Report of Copa — Data Link

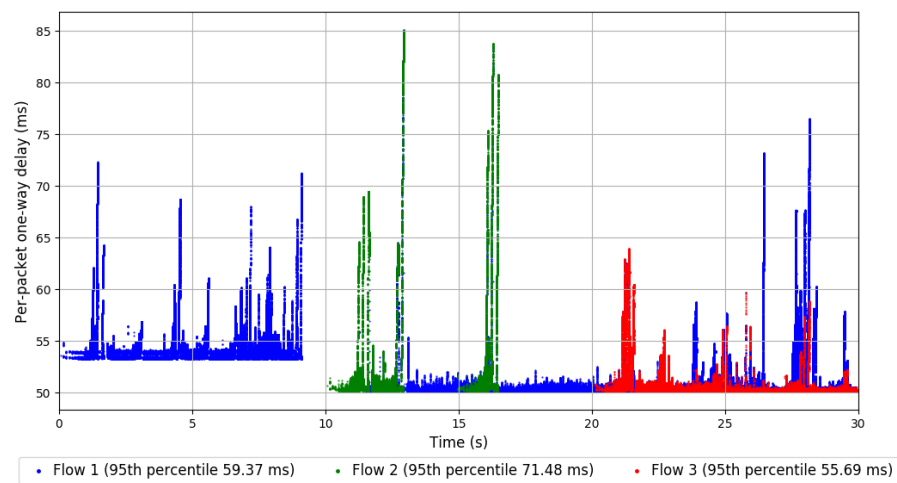
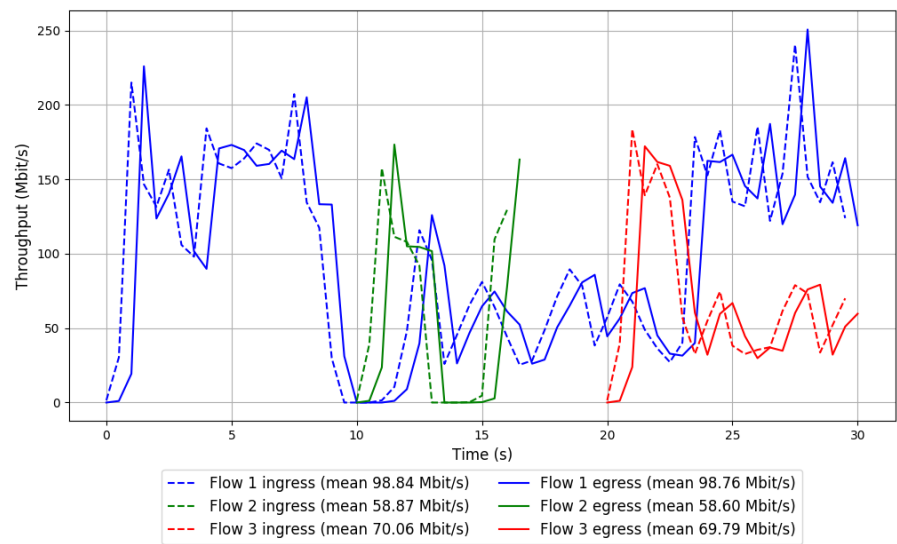


Run 6: Statistics of Copa

Start at: 2018-07-27 10:33:58
End at: 2018-07-27 10:34:28
Local clock offset: -0.06 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-07-27 12:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.42 Mbit/s
95th percentile per-packet one-way delay: 59.999 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 98.76 Mbit/s
95th percentile per-packet one-way delay: 59.371 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 71.477 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 55.685 ms
Loss rate: 1.20%

Run 6: Report of Copa — Data Link

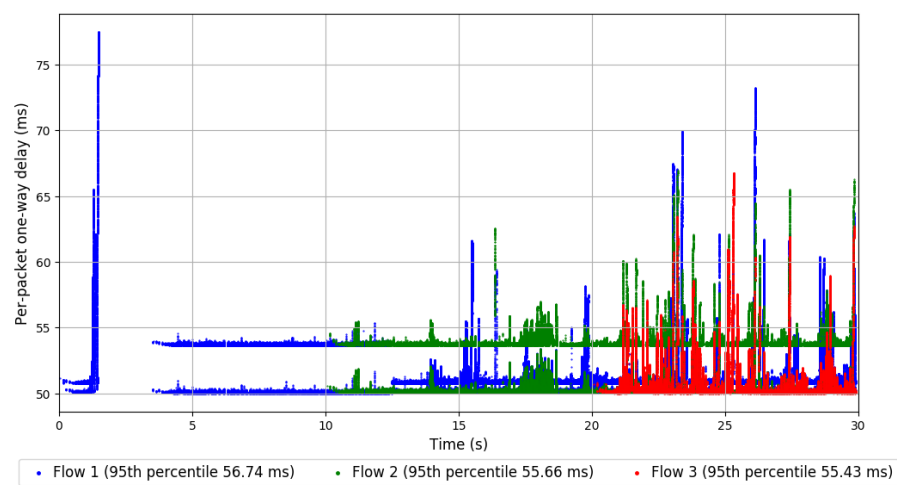
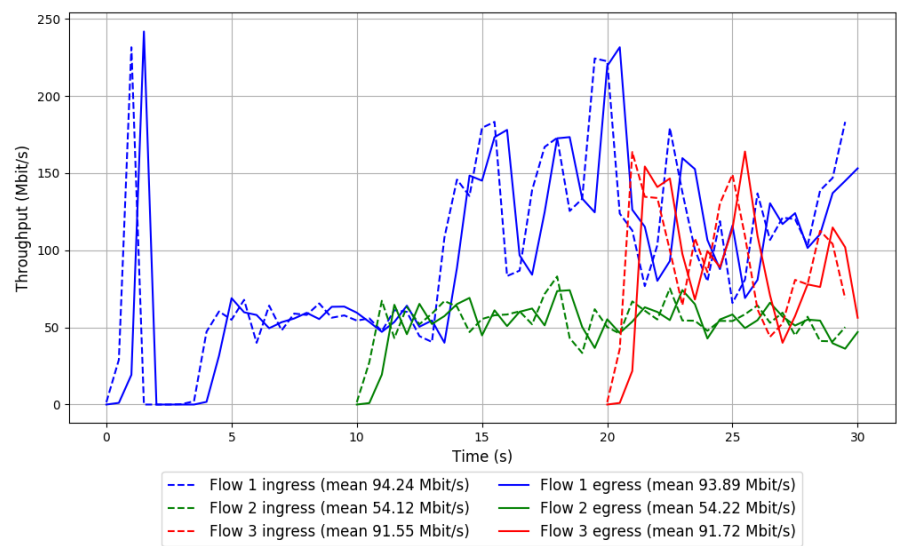


Run 7: Statistics of Copa

Start at: 2018-07-27 10:58:15
End at: 2018-07-27 10:58:45
Local clock offset: 0.092 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-27 12:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.99 Mbit/s
95th percentile per-packet one-way delay: 56.111 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 56.743 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 54.22 Mbit/s
95th percentile per-packet one-way delay: 55.663 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 55.434 ms
Loss rate: 0.94%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-27 11:22:42

End at: 2018-07-27 11:23:12

Local clock offset: 0.092 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-27 12:52:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.04 Mbit/s

95th percentile per-packet one-way delay: 63.411 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 117.47 Mbit/s

95th percentile per-packet one-way delay: 59.151 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 81.11 Mbit/s

95th percentile per-packet one-way delay: 57.610 ms

Loss rate: 0.33%

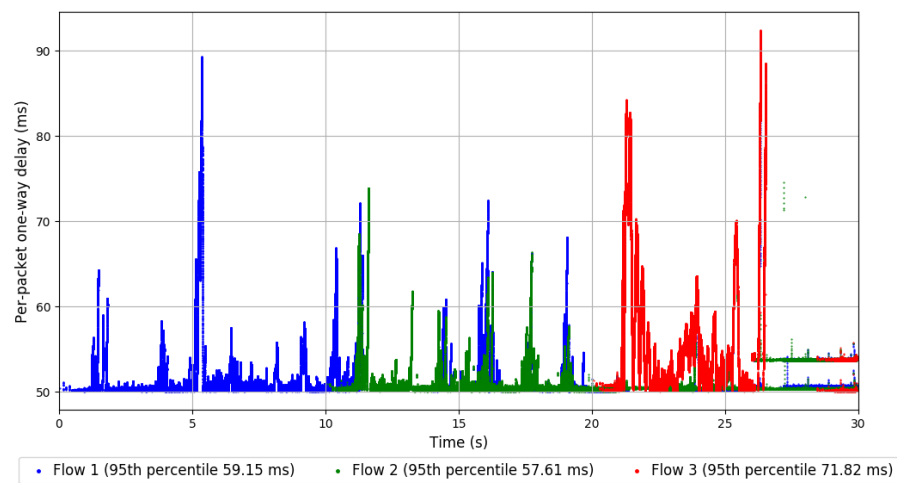
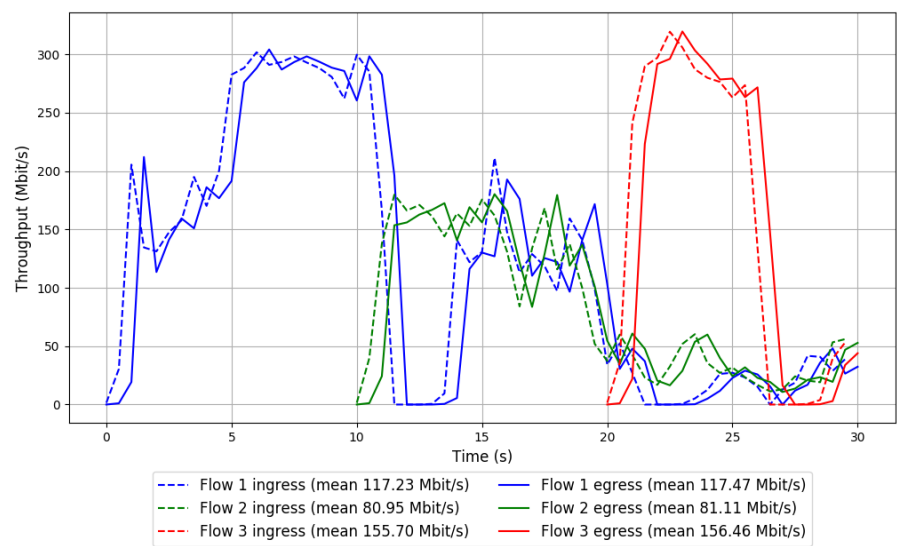
-- Flow 3:

Average throughput: 156.46 Mbit/s

95th percentile per-packet one-way delay: 71.818 ms

Loss rate: 0.51%

Run 8: Report of Copa — Data Link

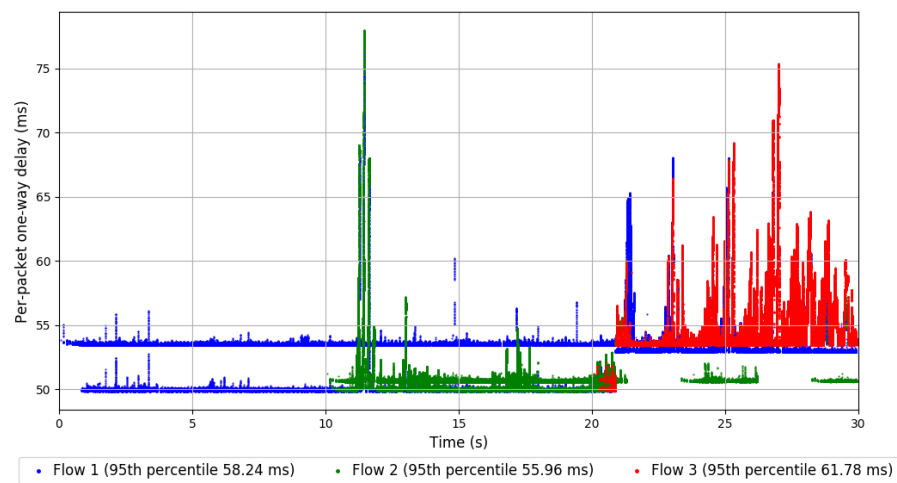
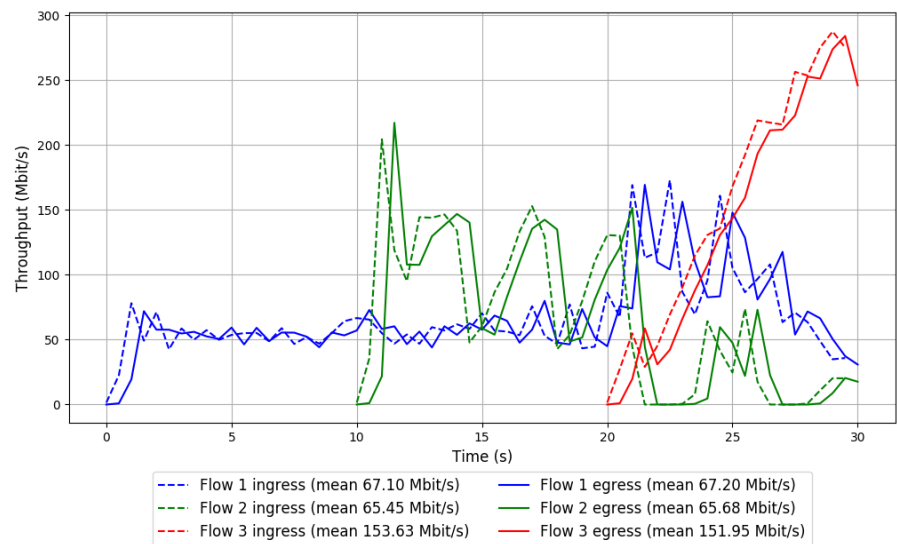


Run 9: Statistics of Copa

Start at: 2018-07-27 11:47:37
End at: 2018-07-27 11:48:07
Local clock offset: -0.182 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-27 12:52:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.98 Mbit/s
95th percentile per-packet one-way delay: 59.983 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 67.20 Mbit/s
95th percentile per-packet one-way delay: 58.245 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 55.959 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 151.95 Mbit/s
95th percentile per-packet one-way delay: 61.782 ms
Loss rate: 2.10%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-27 12:11:59

End at: 2018-07-27 12:12:29

Local clock offset: 0.107 ms

Remote clock offset: 1.419 ms

Below is generated by plot.py at 2018-07-27 12:52:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 162.77 Mbit/s

95th percentile per-packet one-way delay: 64.239 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 113.32 Mbit/s

95th percentile per-packet one-way delay: 66.953 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 40.81 Mbit/s

95th percentile per-packet one-way delay: 52.742 ms

Loss rate: 0.24%

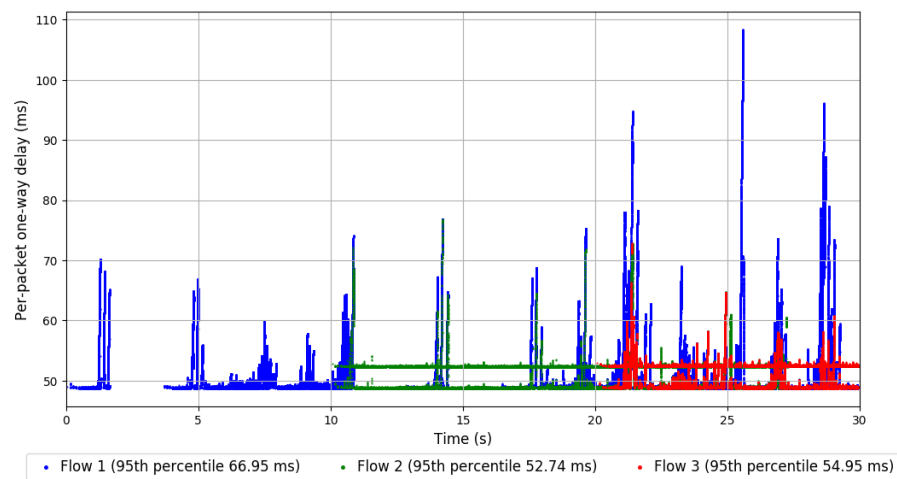
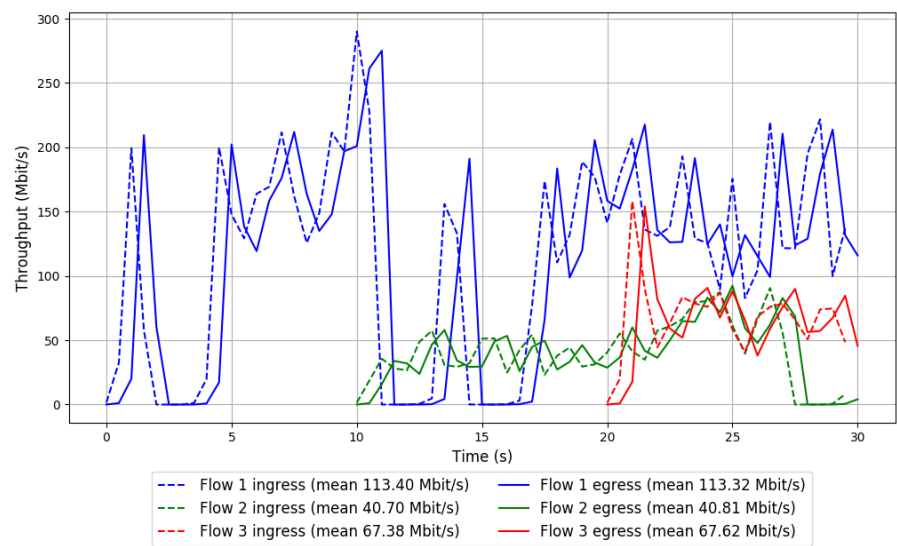
-- Flow 3:

Average throughput: 67.62 Mbit/s

95th percentile per-packet one-way delay: 54.953 ms

Loss rate: 0.26%

Run 10: Report of Copa — Data Link

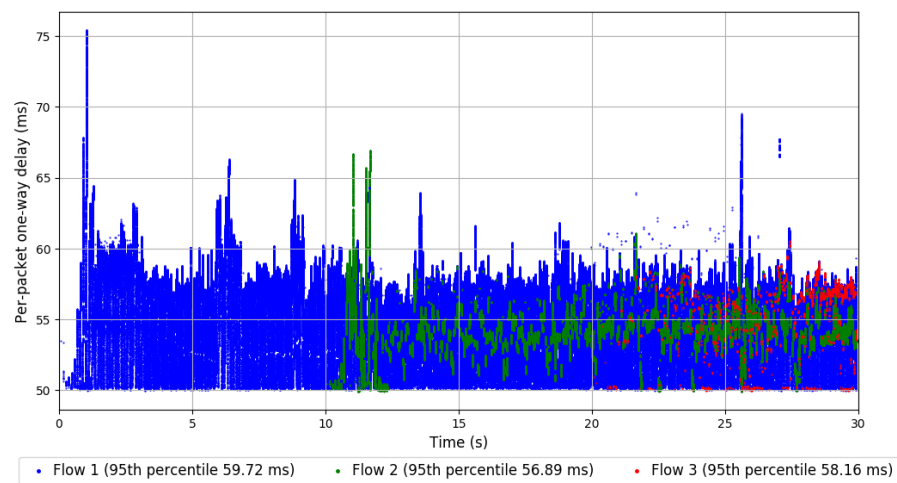
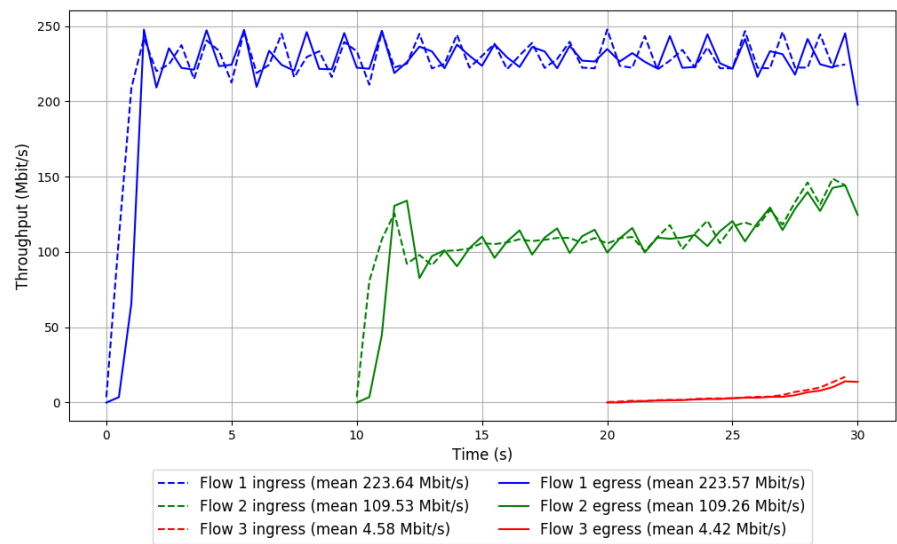


Run 1: Statistics of TCP Cubic

Start at: 2018-07-27 08:29:41
End at: 2018-07-27 08:30:11
Local clock offset: 0.023 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-27 12:52:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.66 Mbit/s
95th percentile per-packet one-way delay: 59.411 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 223.57 Mbit/s
95th percentile per-packet one-way delay: 59.723 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 109.26 Mbit/s
95th percentile per-packet one-way delay: 56.891 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 58.157 ms
Loss rate: 4.42%

Run 1: Report of TCP Cubic — Data Link

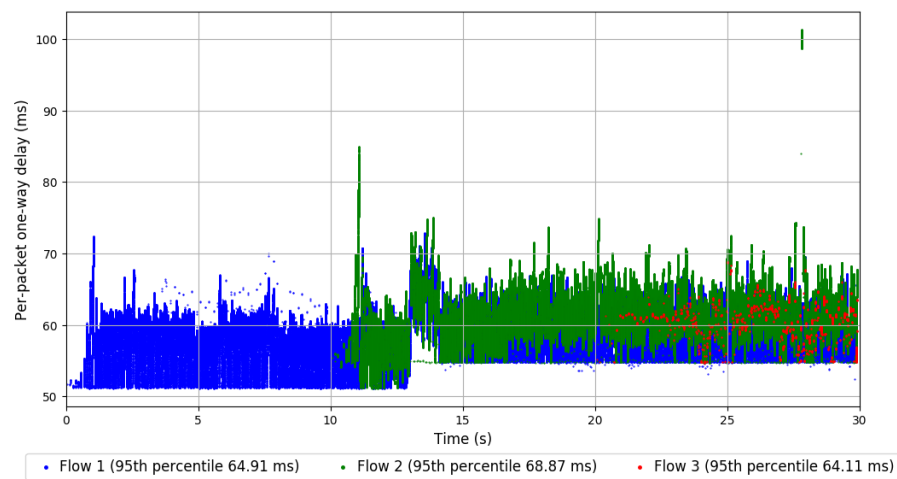
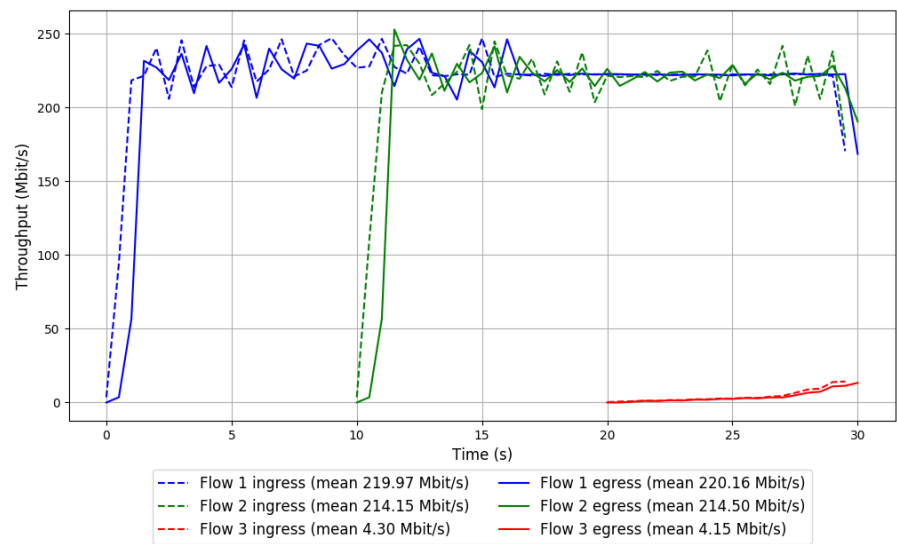


Run 2: Statistics of TCP Cubic

Start at: 2018-07-27 08:54:04
End at: 2018-07-27 08:54:34
Local clock offset: -0.022 ms
Remote clock offset: -1.257 ms

Below is generated by plot.py at 2018-07-27 12:54:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.69 Mbit/s
95th percentile per-packet one-way delay: 66.977 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 220.16 Mbit/s
95th percentile per-packet one-way delay: 64.905 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 214.50 Mbit/s
95th percentile per-packet one-way delay: 68.868 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 64.112 ms
Loss rate: 4.66%

Run 2: Report of TCP Cubic — Data Link

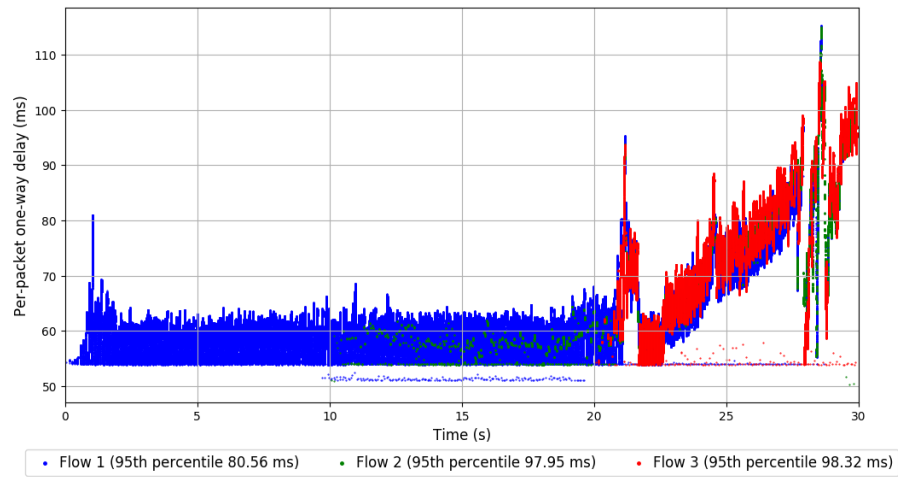
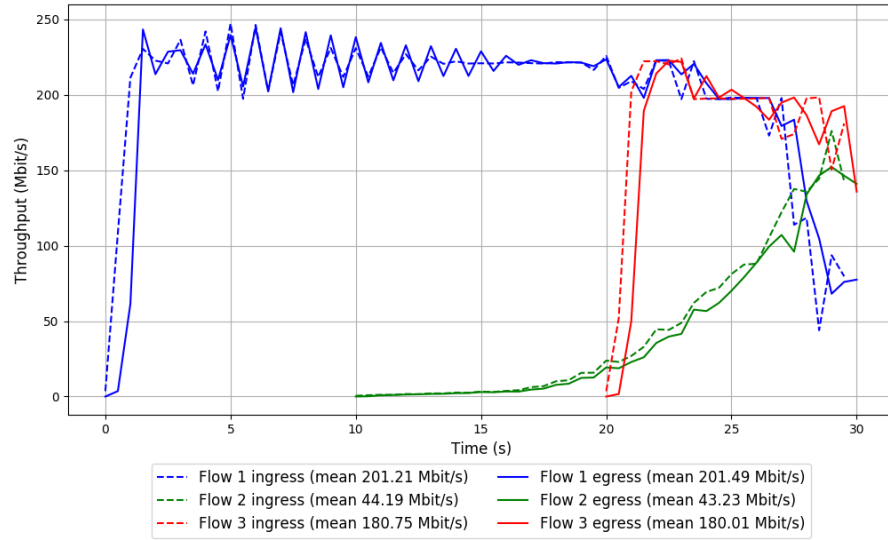


Run 3: Statistics of TCP Cubic

Start at: 2018-07-27 09:18:38
End at: 2018-07-27 09:19:08
Local clock offset: 0.121 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-27 12:54:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.53 Mbit/s
95th percentile per-packet one-way delay: 91.167 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 201.49 Mbit/s
95th percentile per-packet one-way delay: 80.559 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 43.23 Mbit/s
95th percentile per-packet one-way delay: 97.949 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 180.01 Mbit/s
95th percentile per-packet one-way delay: 98.319 ms
Loss rate: 1.45%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-27 09:43:05

End at: 2018-07-27 09:43:35

Local clock offset: -0.214 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at 2018-07-27 12:56:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.15 Mbit/s

95th percentile per-packet one-way delay: 65.645 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 220.81 Mbit/s

95th percentile per-packet one-way delay: 63.295 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 215.46 Mbit/s

95th percentile per-packet one-way delay: 66.760 ms

Loss rate: 0.57%

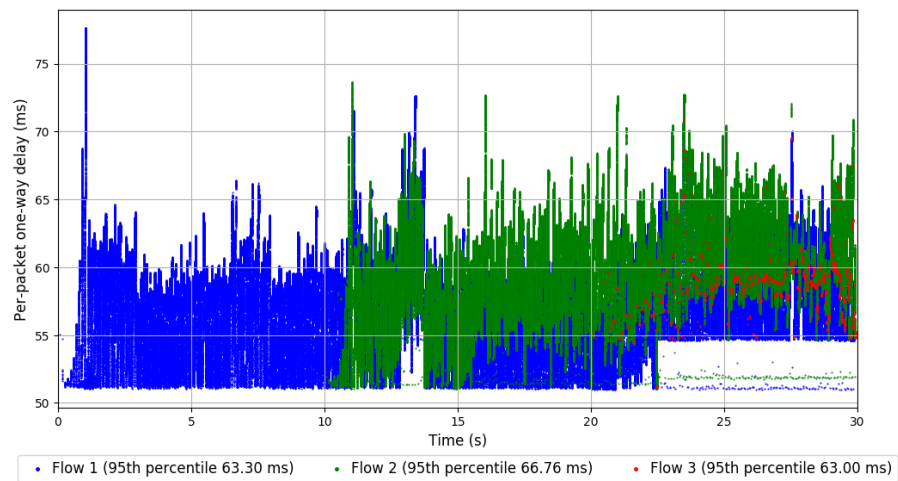
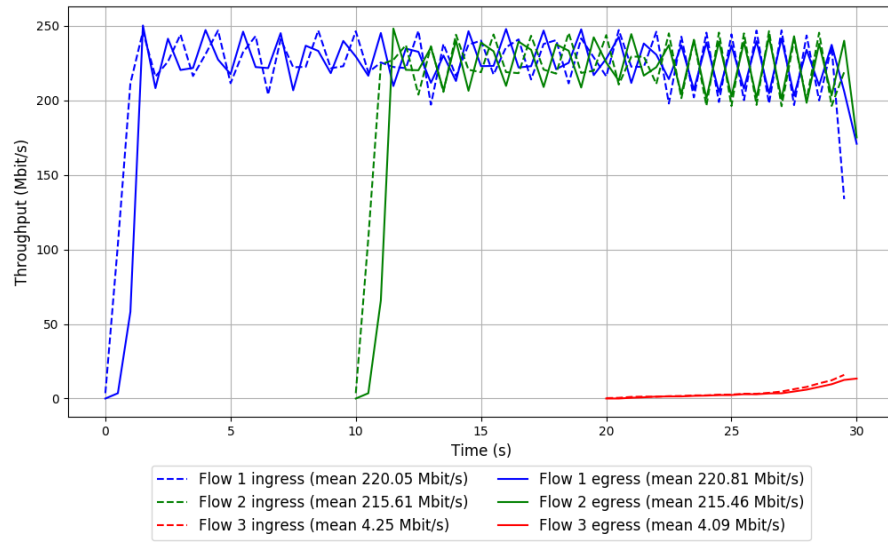
-- Flow 3:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 63.003 ms

Loss rate: 4.65%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-27 10:08:00

End at: 2018-07-27 10:08:30

Local clock offset: -0.261 ms

Remote clock offset: -1.43 ms

Below is generated by plot.py at 2018-07-27 12:56:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.64 Mbit/s

95th percentile per-packet one-way delay: 95.434 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 157.27 Mbit/s

95th percentile per-packet one-way delay: 93.104 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 202.61 Mbit/s

95th percentile per-packet one-way delay: 97.912 ms

Loss rate: 0.61%

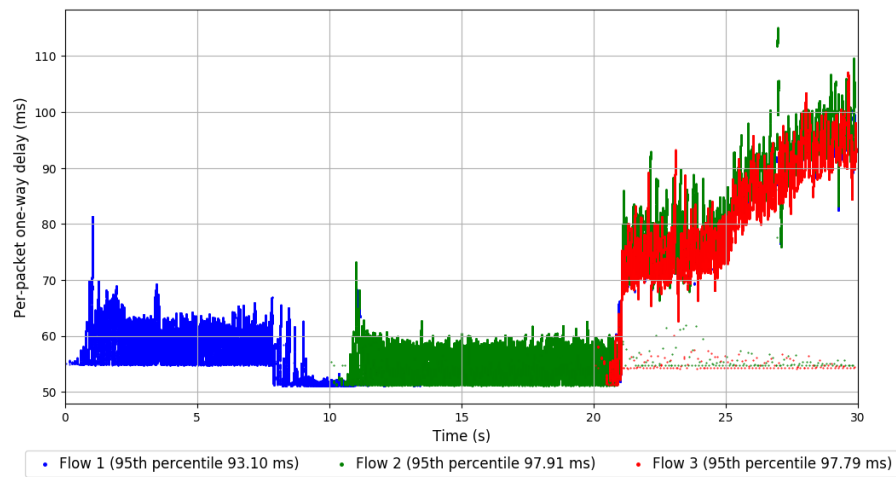
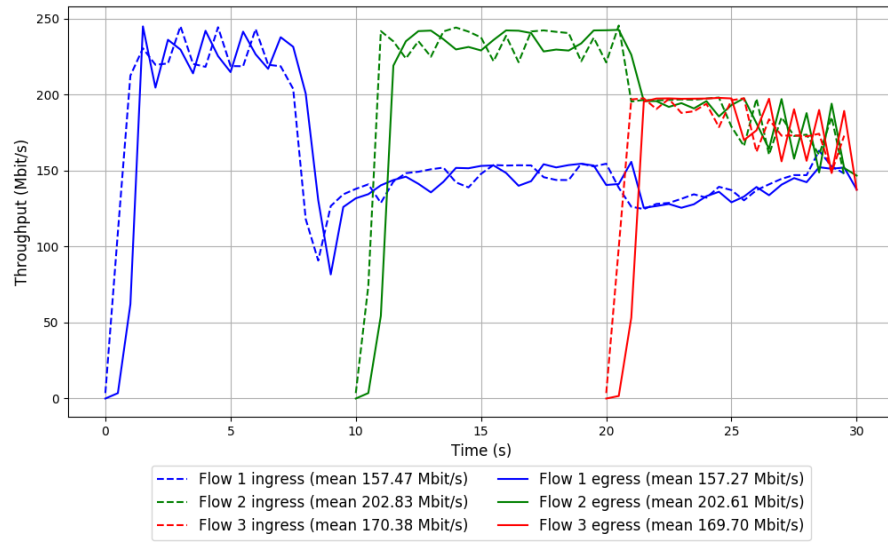
-- Flow 3:

Average throughput: 169.70 Mbit/s

95th percentile per-packet one-way delay: 97.786 ms

Loss rate: 1.33%

Run 5: Report of TCP Cubic — Data Link

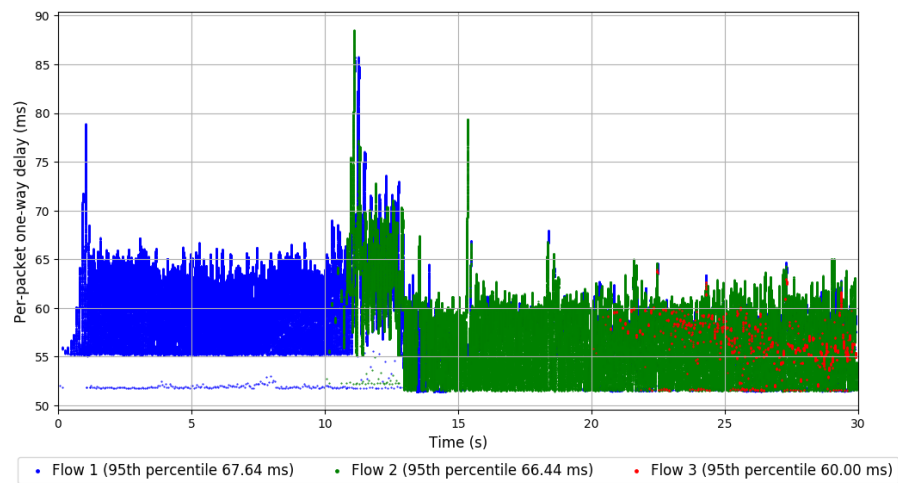
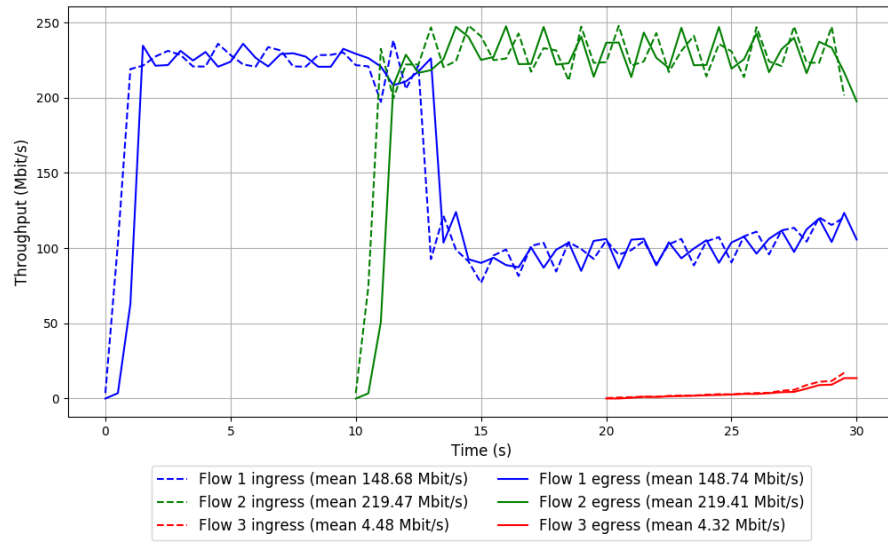


Run 6: Statistics of TCP Cubic

Start at: 2018-07-27 10:32:35
End at: 2018-07-27 10:33:05
Local clock offset: 0.072 ms
Remote clock offset: -1.445 ms

Below is generated by plot.py at 2018-07-27 12:56:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.06 Mbit/s
95th percentile per-packet one-way delay: 67.143 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 148.74 Mbit/s
95th percentile per-packet one-way delay: 67.635 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 219.41 Mbit/s
95th percentile per-packet one-way delay: 66.442 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 60.000 ms
Loss rate: 4.53%

Run 6: Report of TCP Cubic — Data Link

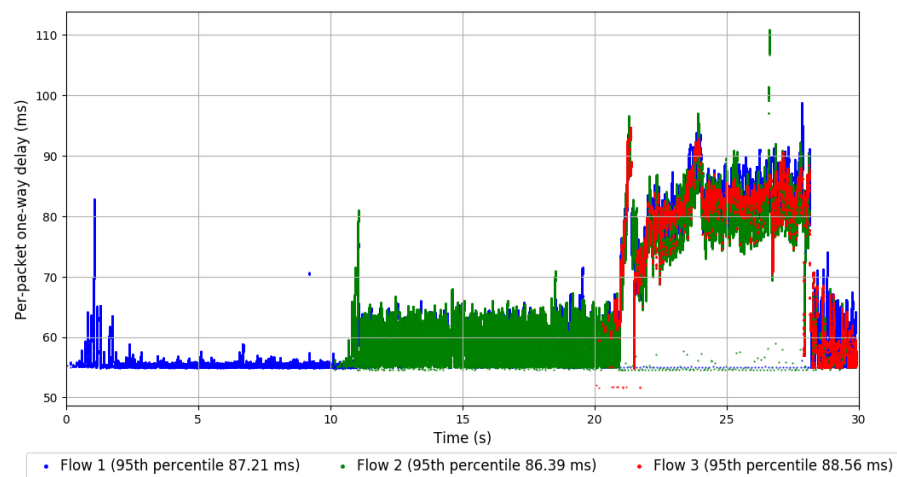
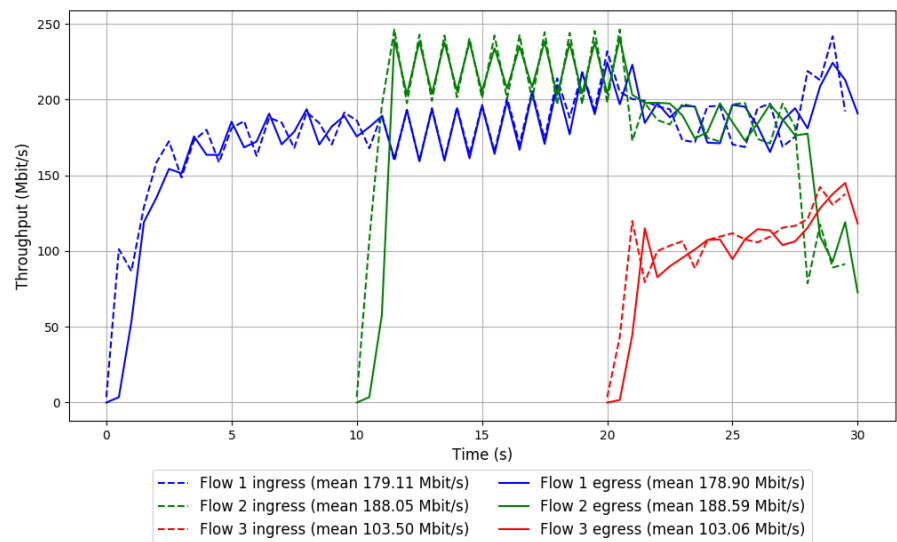


Run 7: Statistics of TCP Cubic

Start at: 2018-07-27 10:56:50
End at: 2018-07-27 10:57:20
Local clock offset: 0.159 ms
Remote clock offset: -1.246 ms

Below is generated by plot.py at 2018-07-27 12:58:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.03 Mbit/s
95th percentile per-packet one-way delay: 87.086 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 178.90 Mbit/s
95th percentile per-packet one-way delay: 87.210 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 188.59 Mbit/s
95th percentile per-packet one-way delay: 86.389 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 88.556 ms
Loss rate: 1.43%

Run 7: Report of TCP Cubic — Data Link

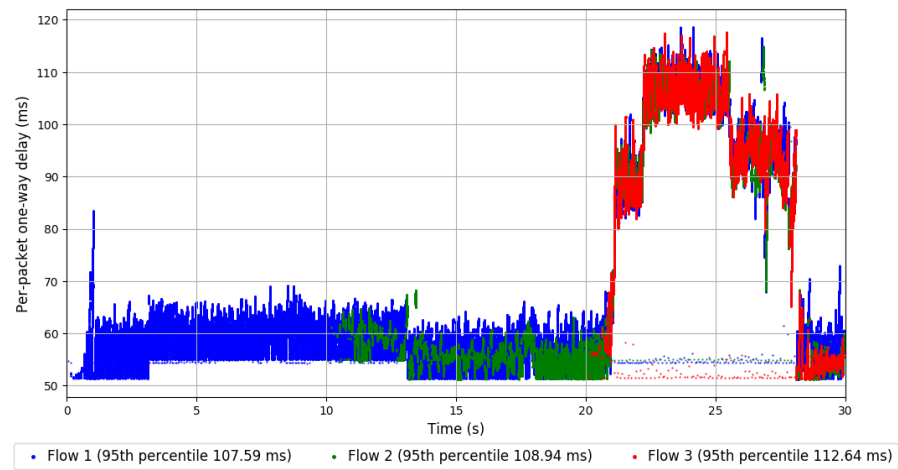
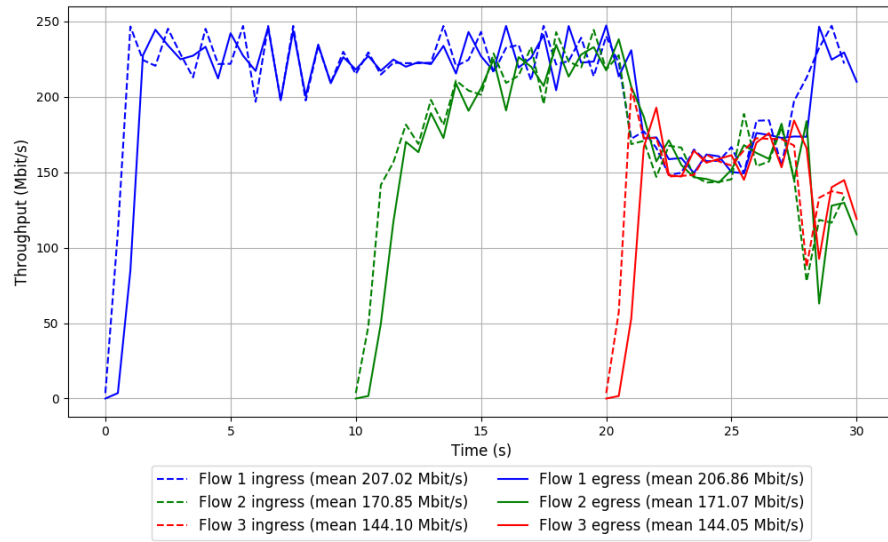


Run 8: Statistics of TCP Cubic

Start at: 2018-07-27 11:21:14
End at: 2018-07-27 11:21:44
Local clock offset: 0.083 ms
Remote clock offset: -1.185 ms

Below is generated by plot.py at 2018-07-27 12:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.10 Mbit/s
95th percentile per-packet one-way delay: 109.613 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 206.86 Mbit/s
95th percentile per-packet one-way delay: 107.586 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 171.07 Mbit/s
95th percentile per-packet one-way delay: 108.939 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 144.05 Mbit/s
95th percentile per-packet one-way delay: 112.637 ms
Loss rate: 1.04%

Run 8: Report of TCP Cubic — Data Link

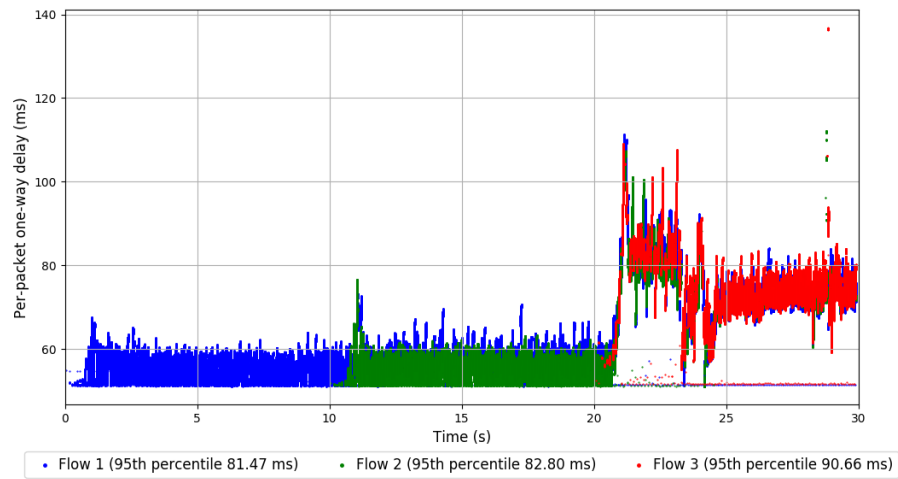
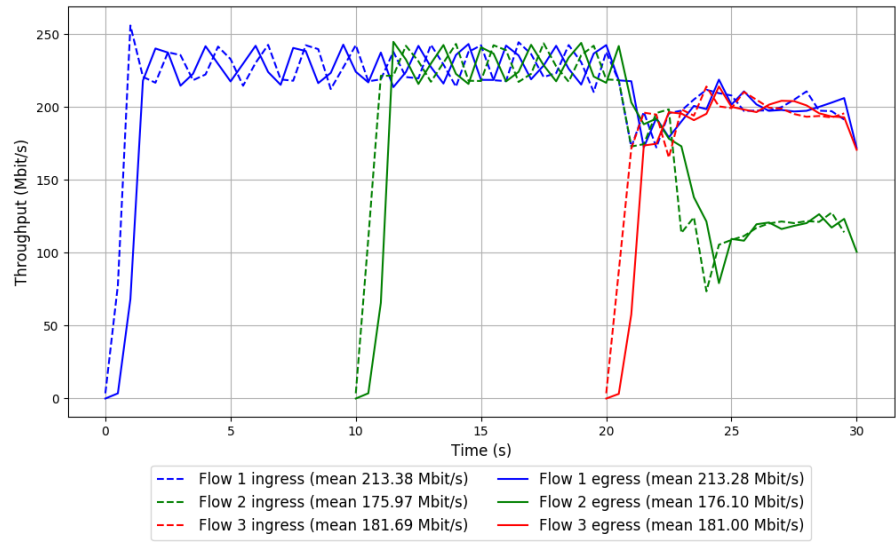


Run 9: Statistics of TCP Cubic

Start at: 2018-07-27 11:46:09
End at: 2018-07-27 11:46:39
Local clock offset: -0.135 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-07-27 13:00:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.90 Mbit/s
95th percentile per-packet one-way delay: 84.378 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 213.28 Mbit/s
95th percentile per-packet one-way delay: 81.472 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 176.10 Mbit/s
95th percentile per-packet one-way delay: 82.798 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 181.00 Mbit/s
95th percentile per-packet one-way delay: 90.660 ms
Loss rate: 1.36%

Run 9: Report of TCP Cubic — Data Link

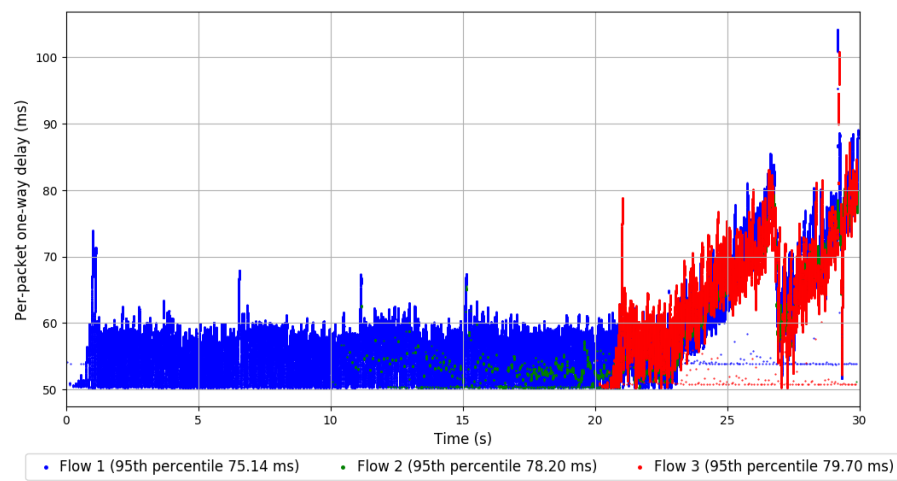
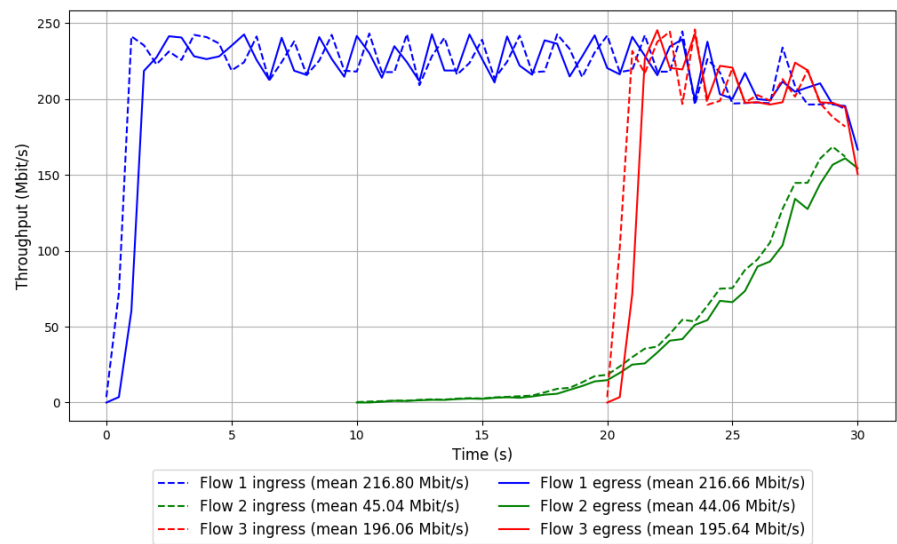


Run 10: Statistics of TCP Cubic

Start at: 2018-07-27 12:10:35
End at: 2018-07-27 12:11:05
Local clock offset: -0.101 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-27 13:00:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.27 Mbit/s
95th percentile per-packet one-way delay: 76.943 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 216.66 Mbit/s
95th percentile per-packet one-way delay: 75.144 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 78.199 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 195.64 Mbit/s
95th percentile per-packet one-way delay: 79.696 ms
Loss rate: 1.27%

Run 10: Report of TCP Cubic — Data Link

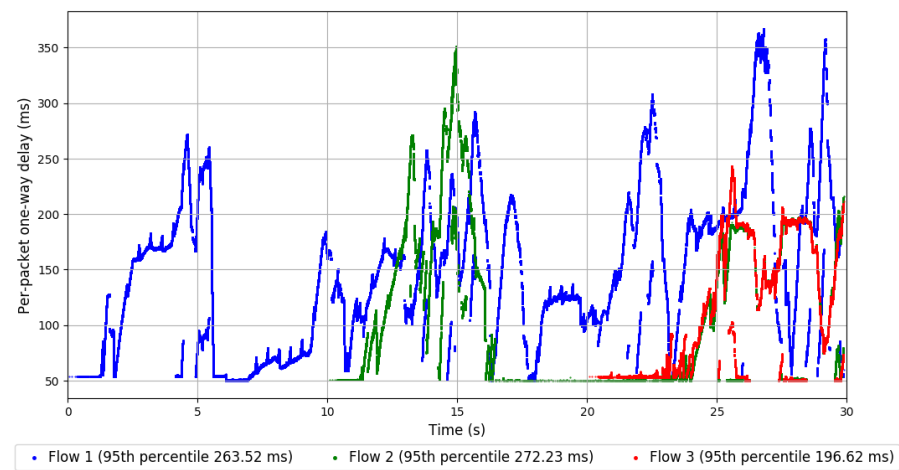
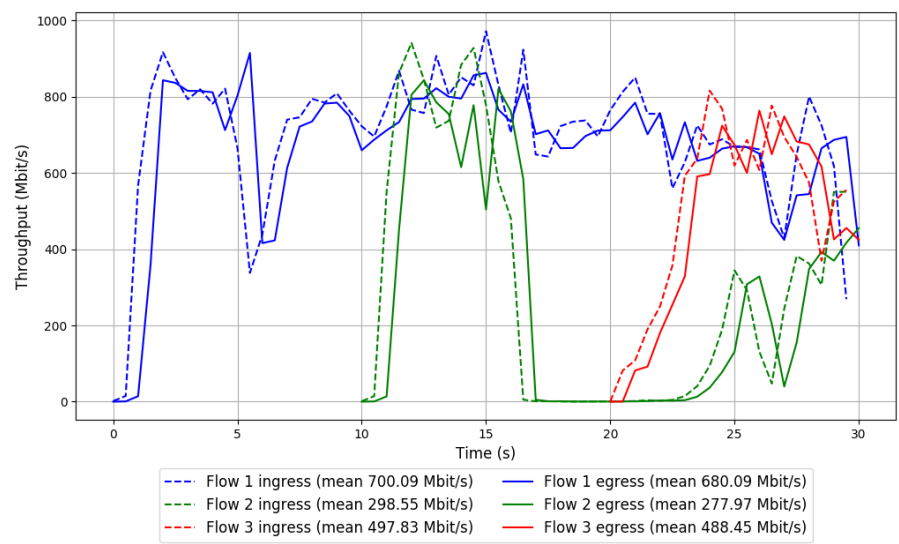


Run 1: Statistics of FillP

Start at: 2018-07-27 08:08:11
End at: 2018-07-27 08:08:41
Local clock offset: -0.151 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-27 13:18:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1024.92 Mbit/s
95th percentile per-packet one-way delay: 261.241 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 680.09 Mbit/s
95th percentile per-packet one-way delay: 263.517 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 277.97 Mbit/s
95th percentile per-packet one-way delay: 272.233 ms
Loss rate: 7.38%
-- Flow 3:
Average throughput: 488.45 Mbit/s
95th percentile per-packet one-way delay: 196.622 ms
Loss rate: 2.95%

Run 1: Report of FillP — Data Link

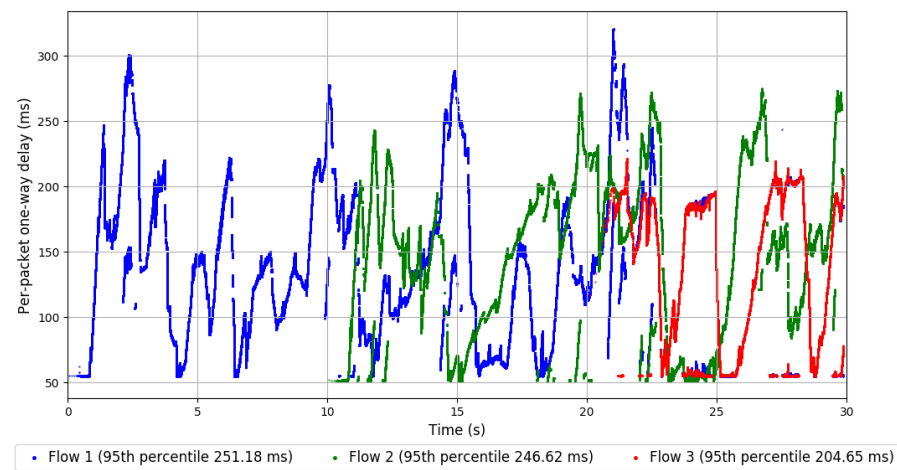
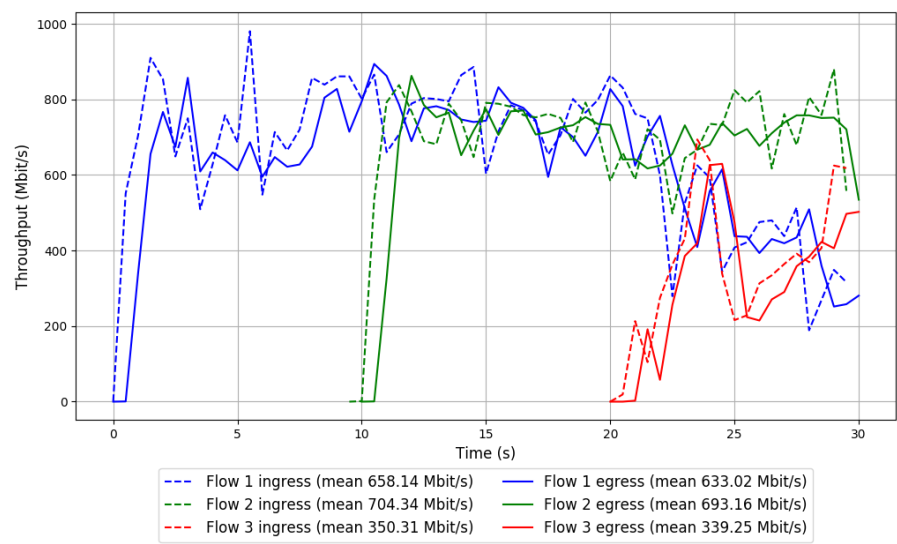


Run 2: Statistics of FillP

Start at: 2018-07-27 08:32:33
End at: 2018-07-27 08:33:03
Local clock offset: 0.104 ms
Remote clock offset: -1.438 ms

Below is generated by plot.py at 2018-07-27 13:26:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1204.88 Mbit/s
95th percentile per-packet one-way delay: 247.046 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 633.02 Mbit/s
95th percentile per-packet one-way delay: 251.175 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 693.16 Mbit/s
95th percentile per-packet one-way delay: 246.620 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 339.25 Mbit/s
95th percentile per-packet one-way delay: 204.645 ms
Loss rate: 4.78%

Run 2: Report of FillP — Data Link

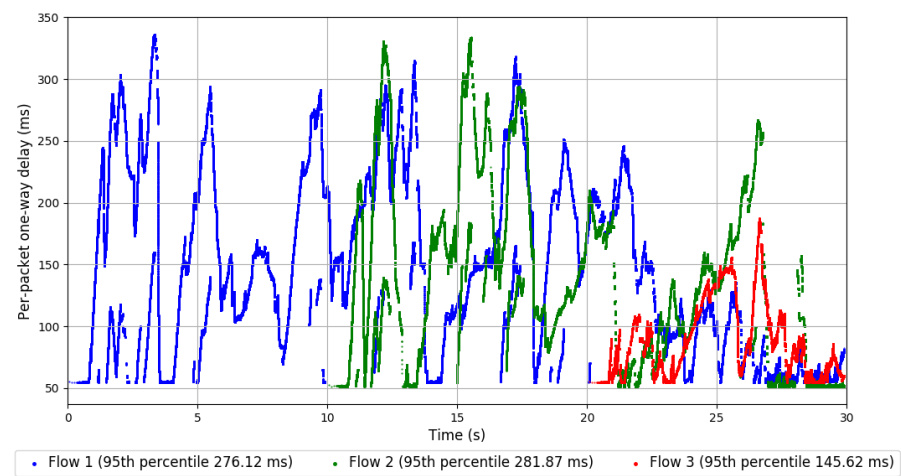
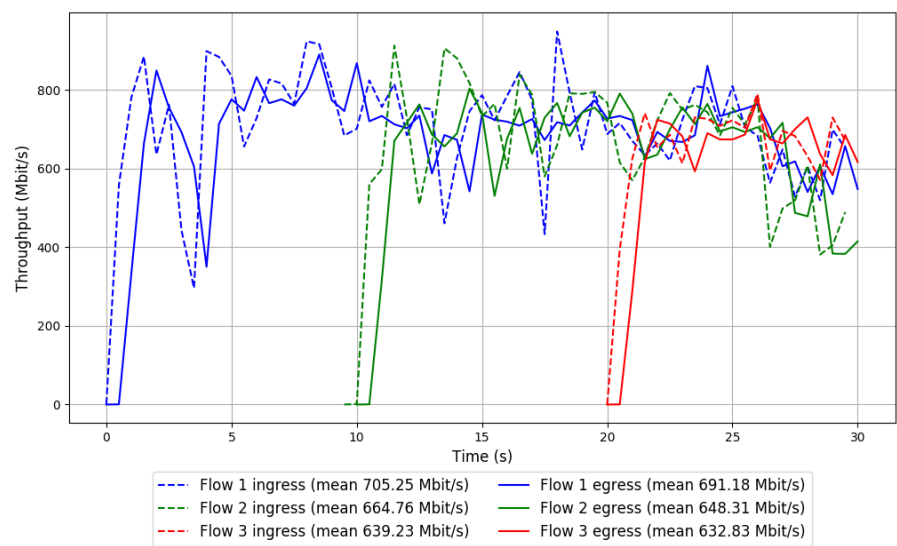


Run 3: Statistics of FillP

Start at: 2018-07-27 08:56:49
End at: 2018-07-27 08:57:19
Local clock offset: 0.031 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2018-07-27 13:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1330.28 Mbit/s
95th percentile per-packet one-way delay: 272.647 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 691.18 Mbit/s
95th percentile per-packet one-way delay: 276.116 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 648.31 Mbit/s
95th percentile per-packet one-way delay: 281.872 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 632.83 Mbit/s
95th percentile per-packet one-way delay: 145.621 ms
Loss rate: 2.09%

Run 3: Report of FillP — Data Link

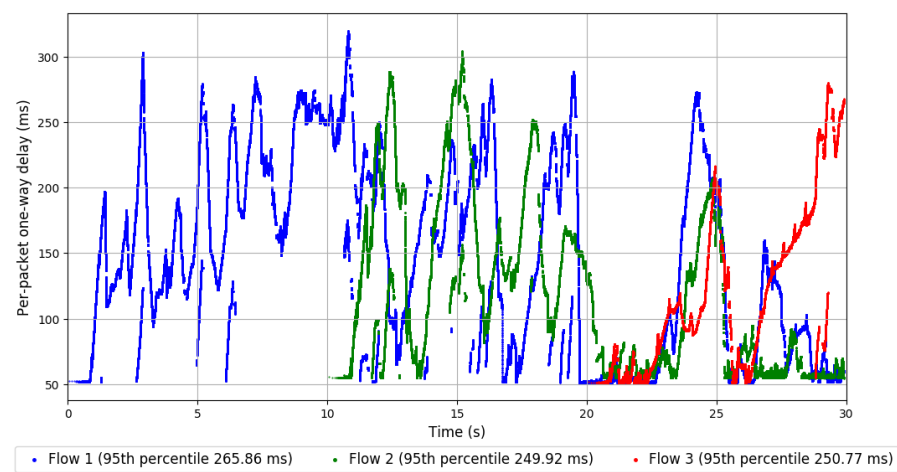
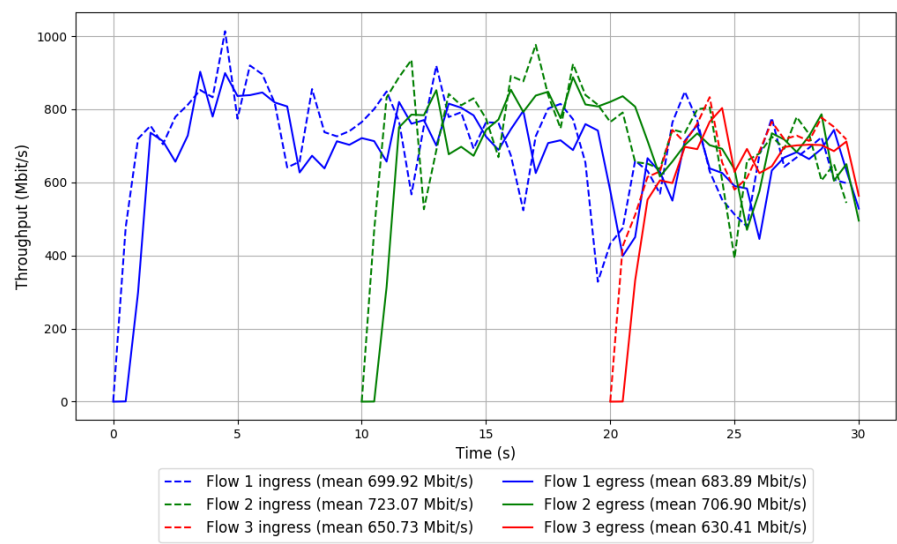


Run 4: Statistics of FillP

Start at: 2018-07-27 09:21:19
End at: 2018-07-27 09:21:49
Local clock offset: 0.215 ms
Remote clock offset: -1.244 ms

Below is generated by plot.py at 2018-07-27 13:32:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1361.03 Mbit/s
95th percentile per-packet one-way delay: 261.697 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 683.89 Mbit/s
95th percentile per-packet one-way delay: 265.859 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 706.90 Mbit/s
95th percentile per-packet one-way delay: 249.920 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 630.41 Mbit/s
95th percentile per-packet one-way delay: 250.772 ms
Loss rate: 4.13%

Run 4: Report of FillP — Data Link

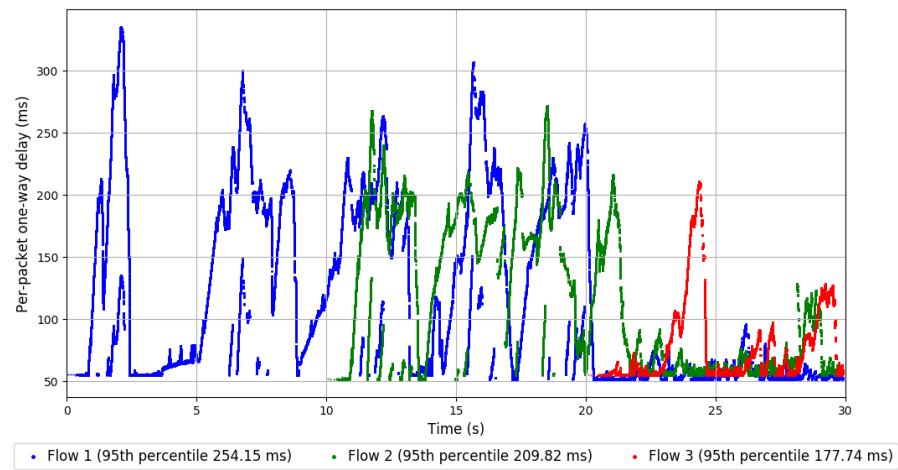
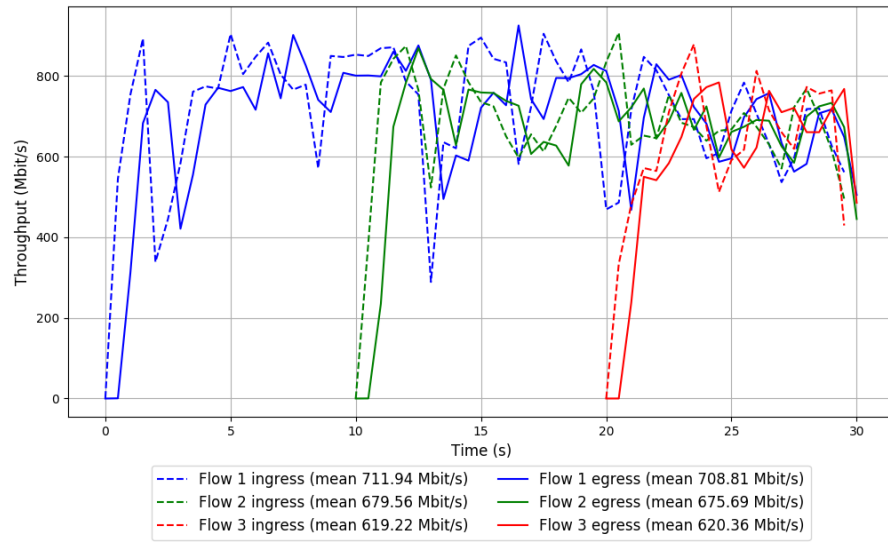


Run 5: Statistics of FillP

Start at: 2018-07-27 09:45:53
End at: 2018-07-27 09:46:23
Local clock offset: 0.05 ms
Remote clock offset: -1.462 ms

Below is generated by plot.py at 2018-07-27 13:33:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1361.56 Mbit/s
95th percentile per-packet one-way delay: 229.701 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 708.81 Mbit/s
95th percentile per-packet one-way delay: 254.154 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 675.69 Mbit/s
95th percentile per-packet one-way delay: 209.823 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 620.36 Mbit/s
95th percentile per-packet one-way delay: 177.737 ms
Loss rate: 0.91%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-27 10:10:47

End at: 2018-07-27 10:11:17

Local clock offset: 0.074 ms

Remote clock offset: 1.315 ms

Below is generated by plot.py at 2018-07-27 13:35:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1382.76 Mbit/s

95th percentile per-packet one-way delay: 224.329 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 712.07 Mbit/s

95th percentile per-packet one-way delay: 223.103 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 697.07 Mbit/s

95th percentile per-packet one-way delay: 243.509 ms

Loss rate: 1.13%

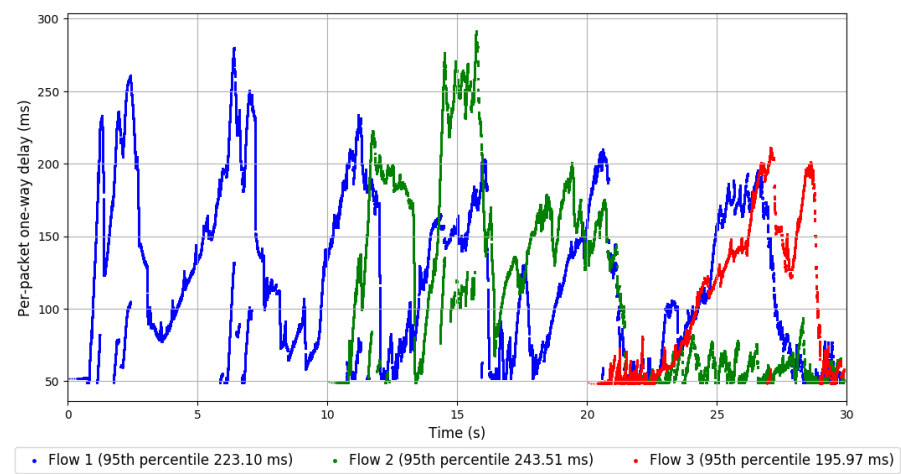
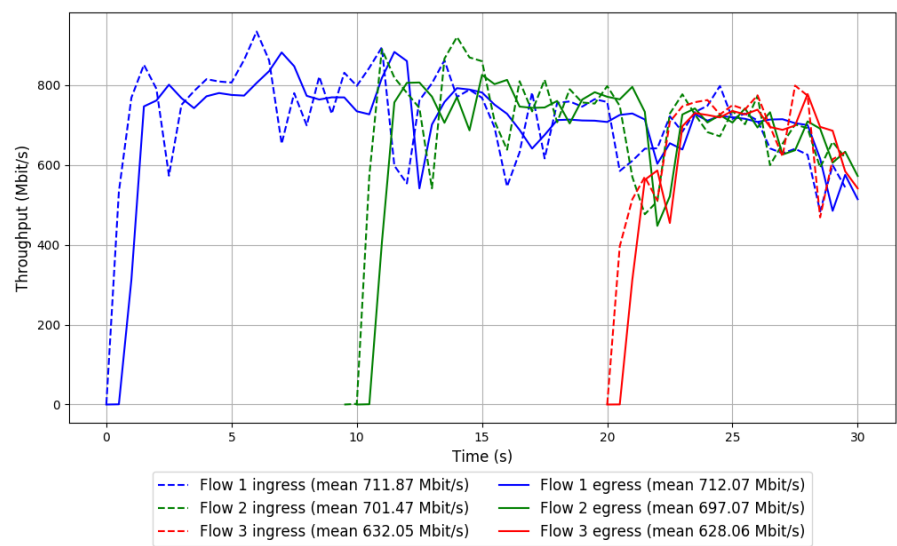
-- Flow 3:

Average throughput: 628.06 Mbit/s

95th percentile per-packet one-way delay: 195.970 ms

Loss rate: 1.65%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-27 10:35:18

End at: 2018-07-27 10:35:48

Local clock offset: 0.107 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-27 13:35:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1264.10 Mbit/s

95th percentile per-packet one-way delay: 238.609 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 722.99 Mbit/s

95th percentile per-packet one-way delay: 236.828 ms

Loss rate: 3.14%

-- Flow 2:

Average throughput: 631.98 Mbit/s

95th percentile per-packet one-way delay: 250.607 ms

Loss rate: 0.54%

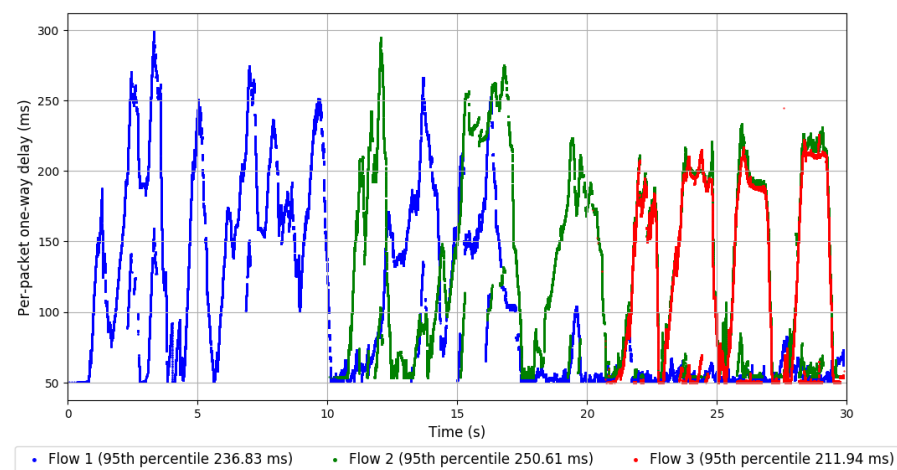
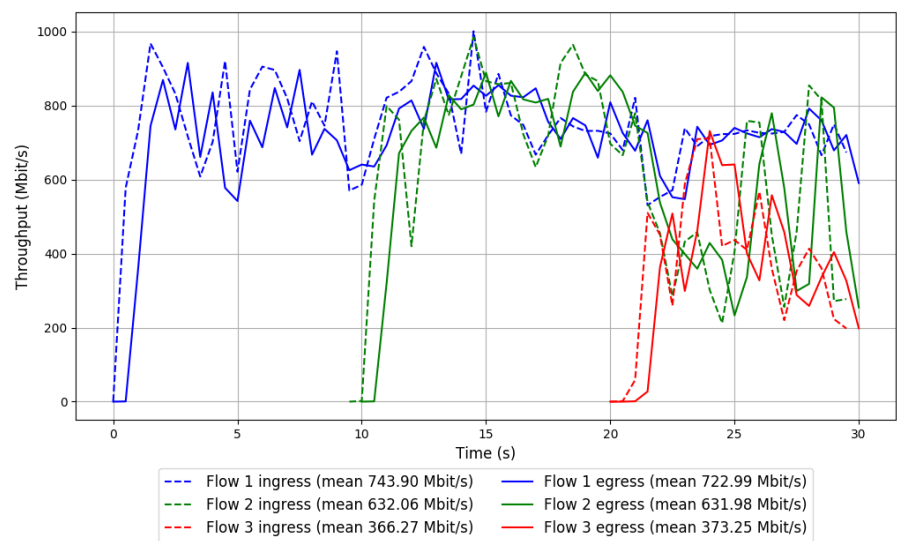
-- Flow 3:

Average throughput: 373.25 Mbit/s

95th percentile per-packet one-way delay: 211.937 ms

Loss rate: 0.34%

Run 7: Report of FillP — Data Link

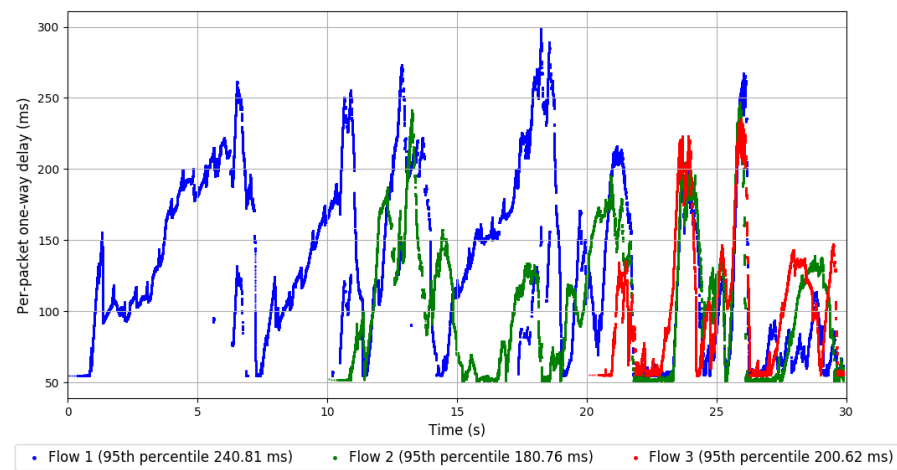
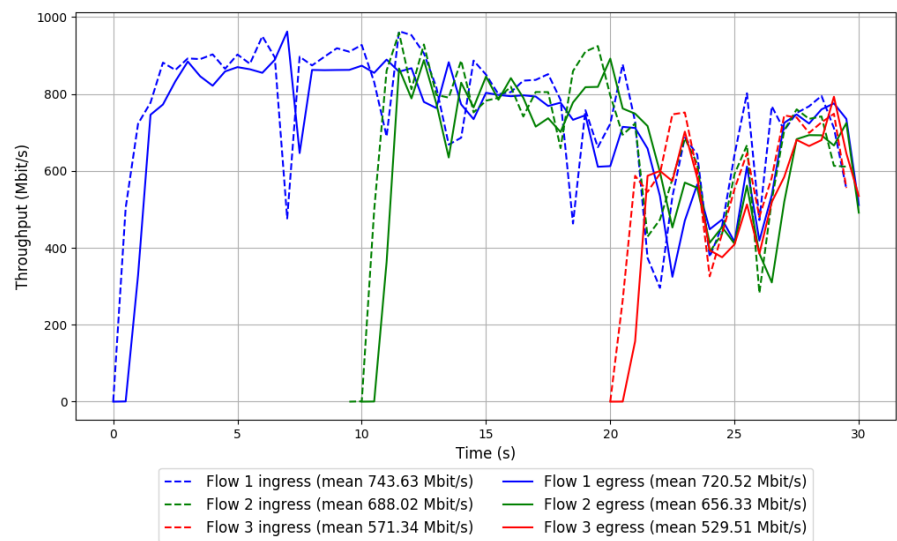


Run 8: Statistics of FillP

Start at: 2018-07-27 10:59:37
End at: 2018-07-27 11:00:07
Local clock offset: 0.232 ms
Remote clock offset: -1.396 ms

Below is generated by plot.py at 2018-07-27 13:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1330.81 Mbit/s
95th percentile per-packet one-way delay: 219.936 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 720.52 Mbit/s
95th percentile per-packet one-way delay: 240.815 ms
Loss rate: 3.46%
-- Flow 2:
Average throughput: 656.33 Mbit/s
95th percentile per-packet one-way delay: 180.763 ms
Loss rate: 5.11%
-- Flow 3:
Average throughput: 529.51 Mbit/s
95th percentile per-packet one-way delay: 200.620 ms
Loss rate: 8.33%

Run 8: Report of FillP — Data Link

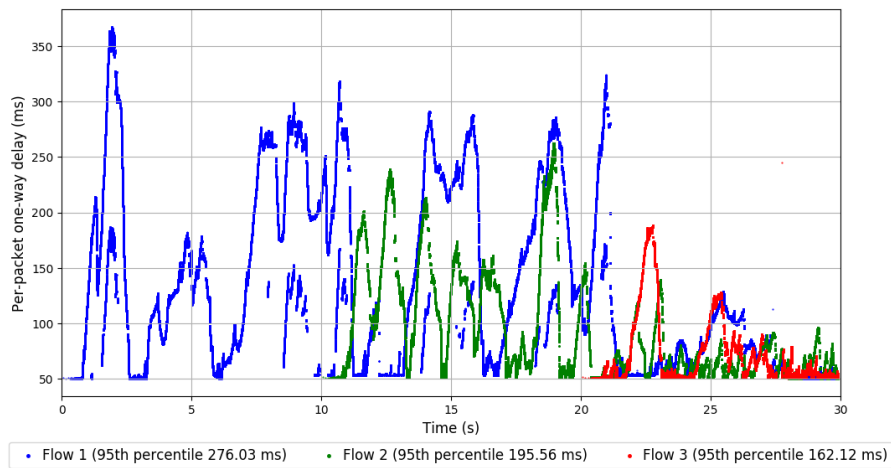
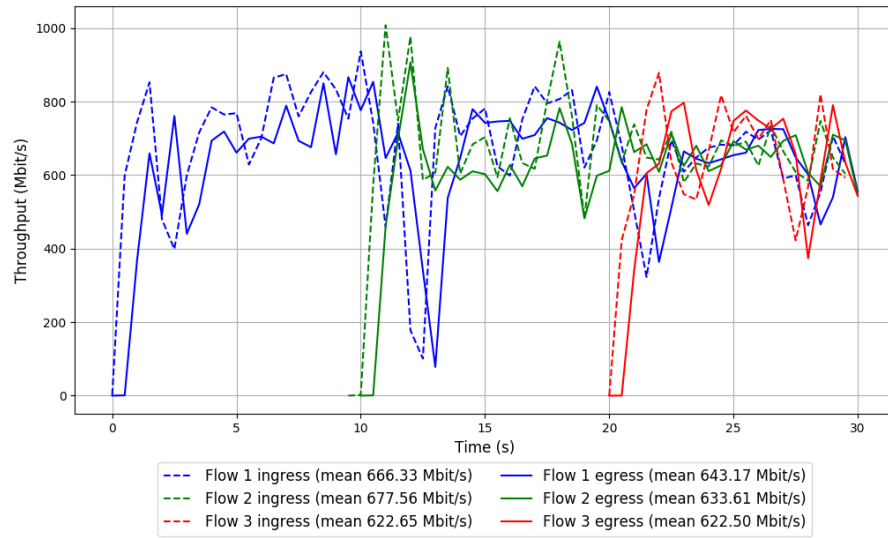


Run 9: Statistics of FillP

Start at: 2018-07-27 11:24:10
End at: 2018-07-27 11:24:40
Local clock offset: -0.089 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-27 13:55:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1269.33 Mbit/s
95th percentile per-packet one-way delay: 264.707 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 643.17 Mbit/s
95th percentile per-packet one-way delay: 276.034 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 633.61 Mbit/s
95th percentile per-packet one-way delay: 195.563 ms
Loss rate: 6.97%
-- Flow 3:
Average throughput: 622.50 Mbit/s
95th percentile per-packet one-way delay: 162.120 ms
Loss rate: 1.05%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-27 11:48:59

End at: 2018-07-27 11:49:29

Local clock offset: -0.024 ms

Remote clock offset: 1.173 ms

Below is generated by plot.py at 2018-07-27 13:56:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1111.22 Mbit/s

95th percentile per-packet one-way delay: 250.199 ms

Loss rate: 5.54%

-- Flow 1:

Average throughput: 516.63 Mbit/s

95th percentile per-packet one-way delay: 258.484 ms

Loss rate: 5.69%

-- Flow 2:

Average throughput: 644.24 Mbit/s

95th percentile per-packet one-way delay: 251.823 ms

Loss rate: 5.80%

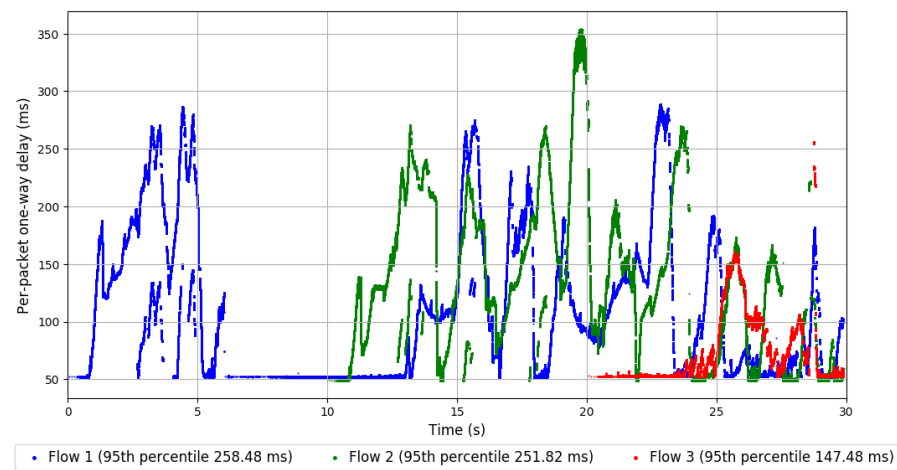
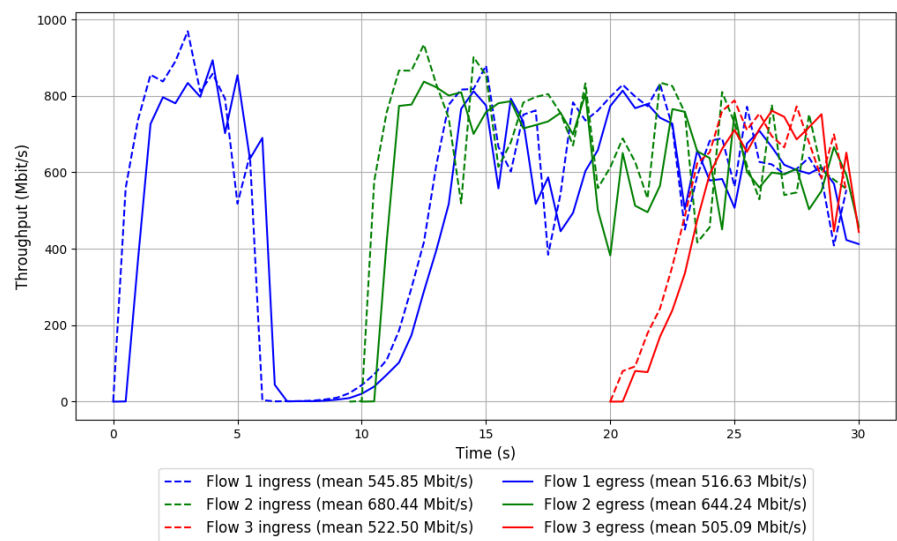
-- Flow 3:

Average throughput: 505.09 Mbit/s

95th percentile per-packet one-way delay: 147.481 ms

Loss rate: 4.37%

Run 10: Report of FillP — Data Link

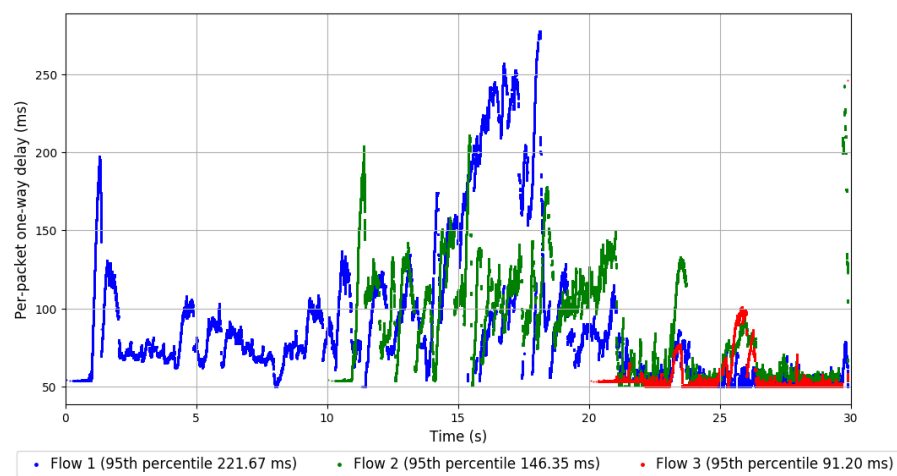
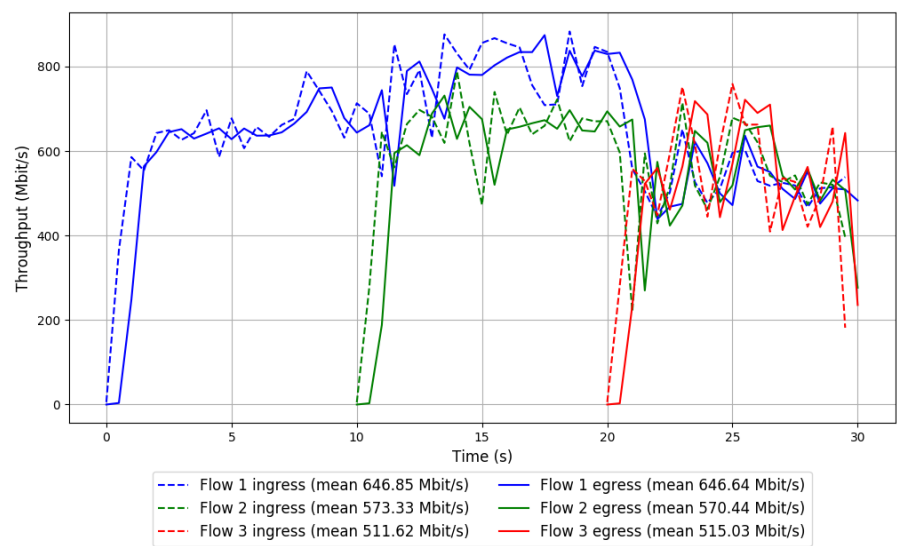


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-27 08:15:13
End at: 2018-07-27 08:15:43
Local clock offset: -0.026 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-27 14:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 1195.53 Mbit/s
95th percentile per-packet one-way delay: 191.008 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 646.64 Mbit/s
95th percentile per-packet one-way delay: 221.672 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 570.44 Mbit/s
95th percentile per-packet one-way delay: 146.355 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 515.03 Mbit/s
95th percentile per-packet one-way delay: 91.202 ms
Loss rate: 0.21%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-27 08:39:40

End at: 2018-07-27 08:40:10

Local clock offset: 0.108 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-27 14:04:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 1030.28 Mbit/s

95th percentile per-packet one-way delay: 210.751 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 571.88 Mbit/s

95th percentile per-packet one-way delay: 209.927 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 408.02 Mbit/s

95th percentile per-packet one-way delay: 213.601 ms

Loss rate: 1.39%

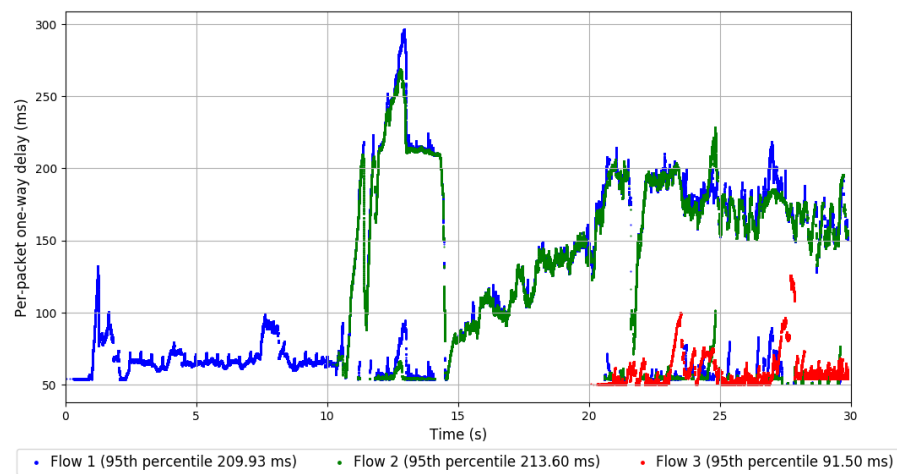
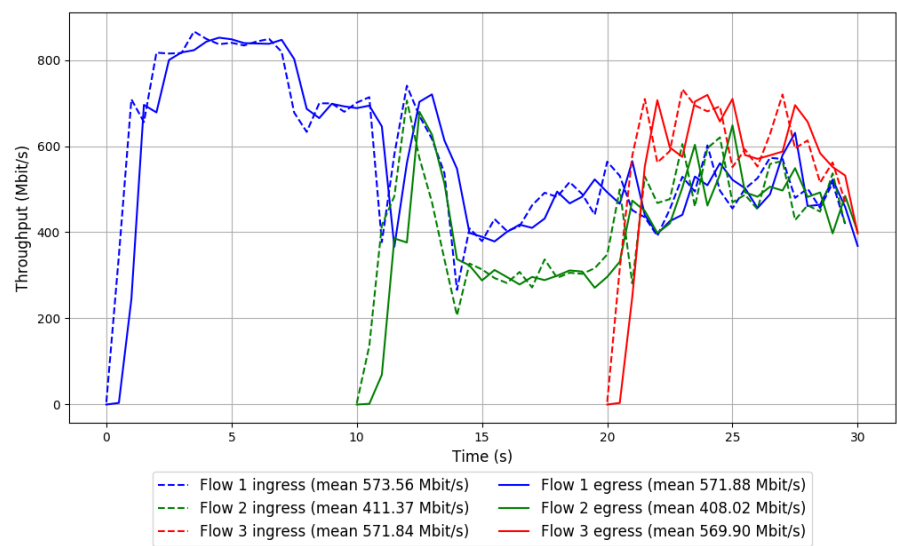
-- Flow 3:

Average throughput: 569.90 Mbit/s

95th percentile per-packet one-way delay: 91.504 ms

Loss rate: 1.35%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-27 09:04:02

End at: 2018-07-27 09:04:32

Local clock offset: 0.193 ms

Remote clock offset: 1.315 ms

Below is generated by plot.py at 2018-07-27 14:07:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 1291.37 Mbit/s

95th percentile per-packet one-way delay: 119.572 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 650.41 Mbit/s

95th percentile per-packet one-way delay: 123.396 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 669.11 Mbit/s

95th percentile per-packet one-way delay: 116.096 ms

Loss rate: 0.63%

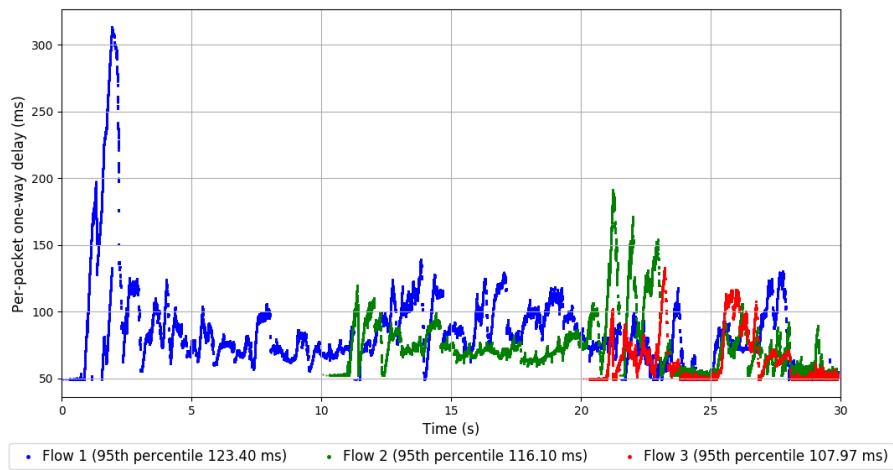
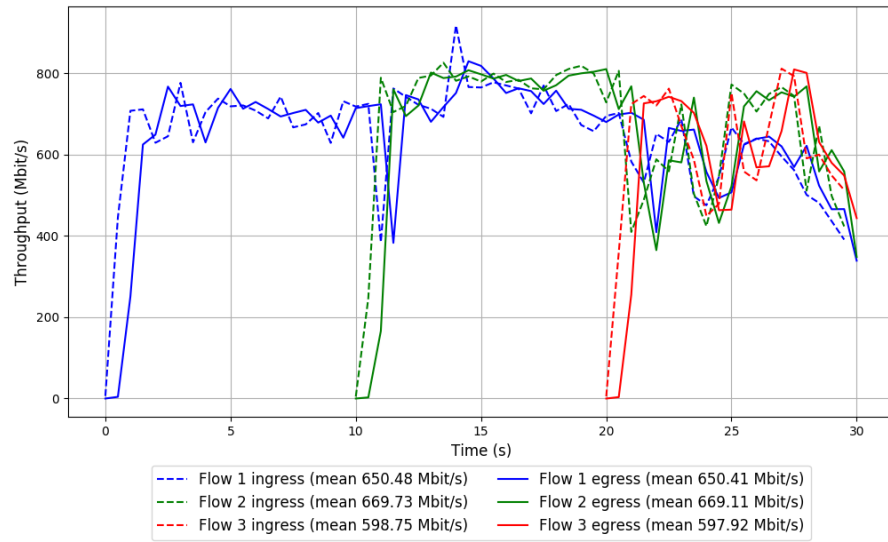
-- Flow 3:

Average throughput: 597.92 Mbit/s

95th percentile per-packet one-way delay: 107.968 ms

Loss rate: 1.19%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-27 09:28:23

End at: 2018-07-27 09:28:53

Local clock offset: 0.133 ms

Remote clock offset: 1.191 ms

Below is generated by plot.py at 2018-07-27 14:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 1364.64 Mbit/s

95th percentile per-packet one-way delay: 114.471 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 709.87 Mbit/s

95th percentile per-packet one-way delay: 117.770 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 685.44 Mbit/s

95th percentile per-packet one-way delay: 106.853 ms

Loss rate: 1.13%

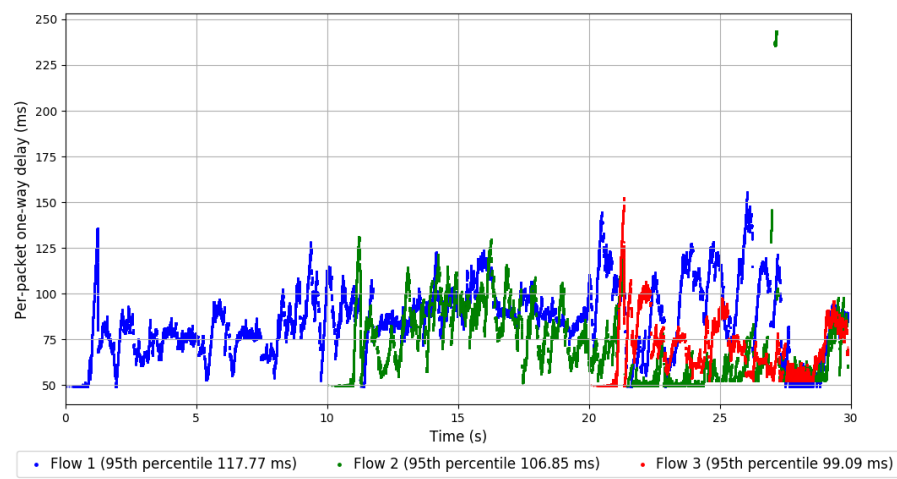
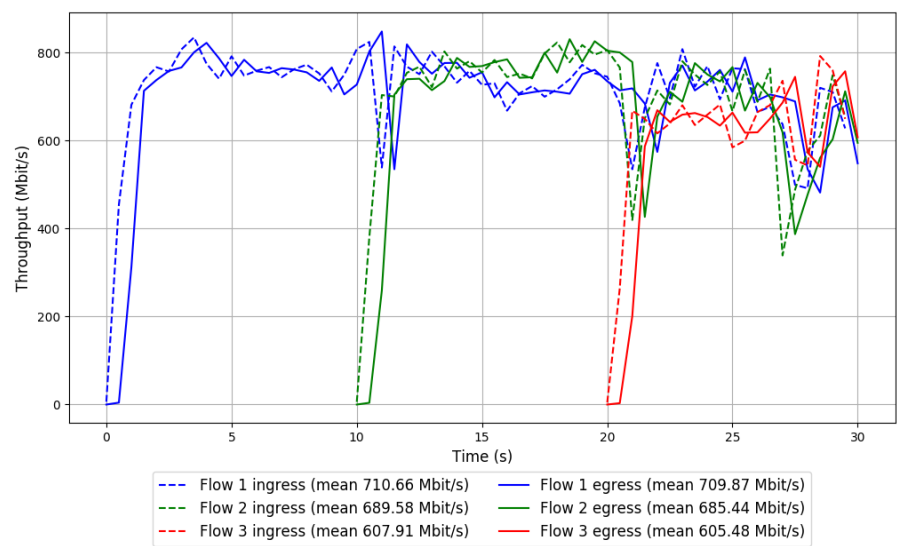
-- Flow 3:

Average throughput: 605.48 Mbit/s

95th percentile per-packet one-way delay: 99.090 ms

Loss rate: 1.40%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-27 09:53:08

End at: 2018-07-27 09:53:38

Local clock offset: -0.068 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-07-27 14:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 1276.12 Mbit/s

95th percentile per-packet one-way delay: 114.004 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 663.14 Mbit/s

95th percentile per-packet one-way delay: 119.109 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 657.86 Mbit/s

95th percentile per-packet one-way delay: 109.992 ms

Loss rate: 1.06%

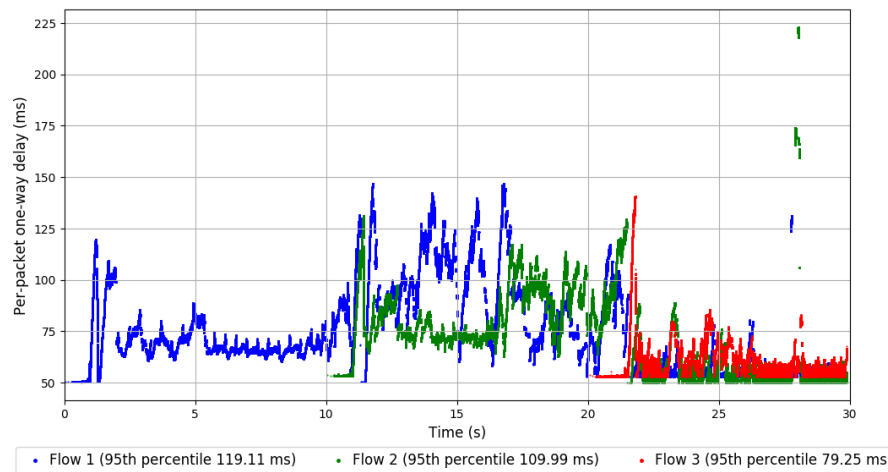
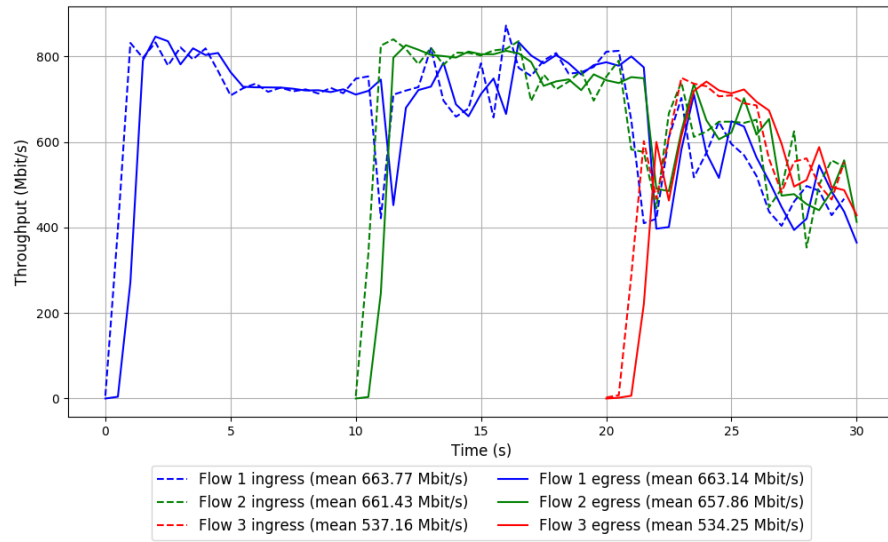
-- Flow 3:

Average throughput: 534.25 Mbit/s

95th percentile per-packet one-way delay: 79.250 ms

Loss rate: 1.58%

Run 5: Report of FillP-Sheep — Data Link

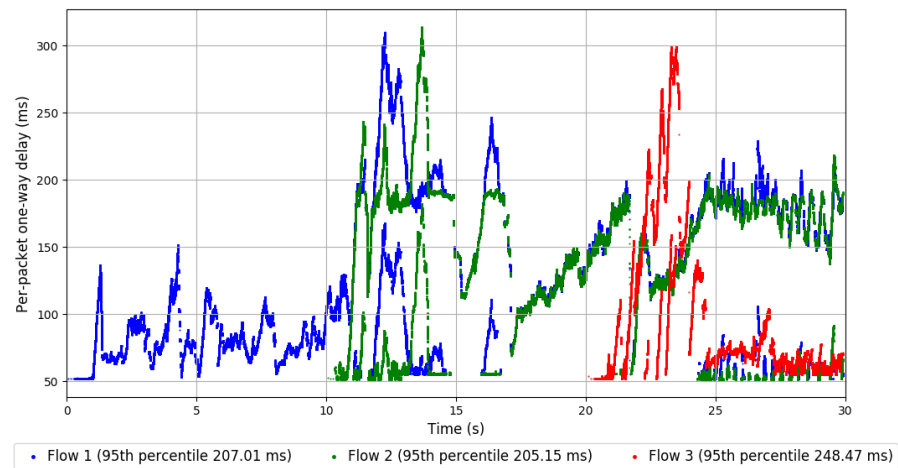
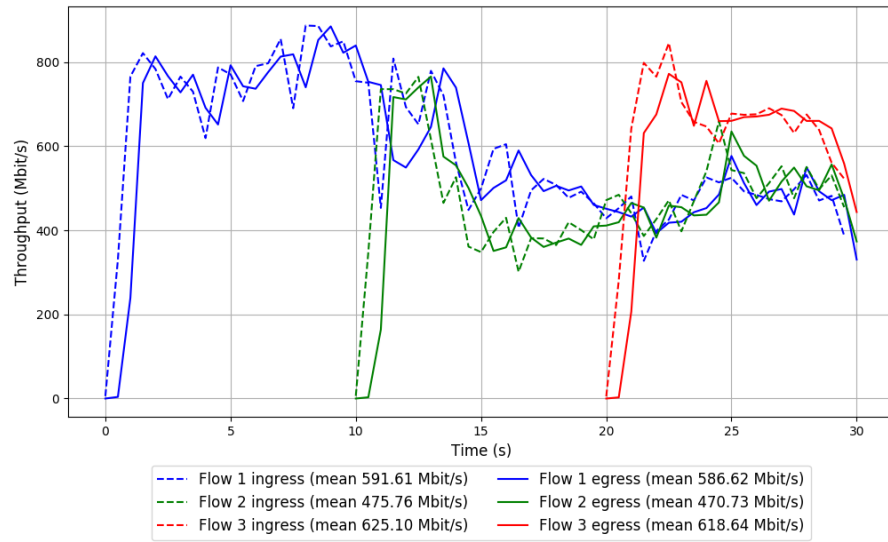


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-27 10:17:55
End at: 2018-07-27 10:18:25
Local clock offset: 0.055 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2018-07-27 14:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1102.63 Mbit/s
95th percentile per-packet one-way delay: 209.828 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 586.62 Mbit/s
95th percentile per-packet one-way delay: 207.007 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 470.73 Mbit/s
95th percentile per-packet one-way delay: 205.146 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 618.64 Mbit/s
95th percentile per-packet one-way delay: 248.473 ms
Loss rate: 2.09%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-27 10:42:17

End at: 2018-07-27 10:42:47

Local clock offset: -0.173 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-27 14:34:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 1281.65 Mbit/s

95th percentile per-packet one-way delay: 130.754 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 684.75 Mbit/s

95th percentile per-packet one-way delay: 127.826 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 632.14 Mbit/s

95th percentile per-packet one-way delay: 141.912 ms

Loss rate: 1.09%

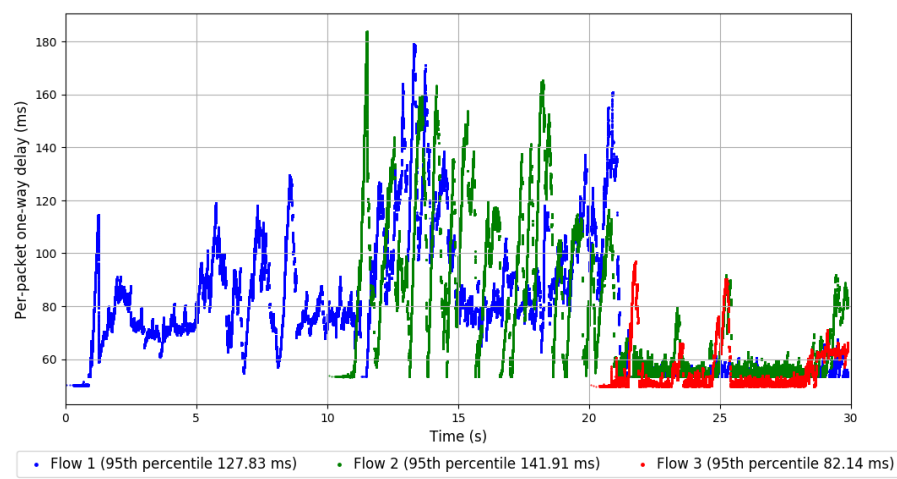
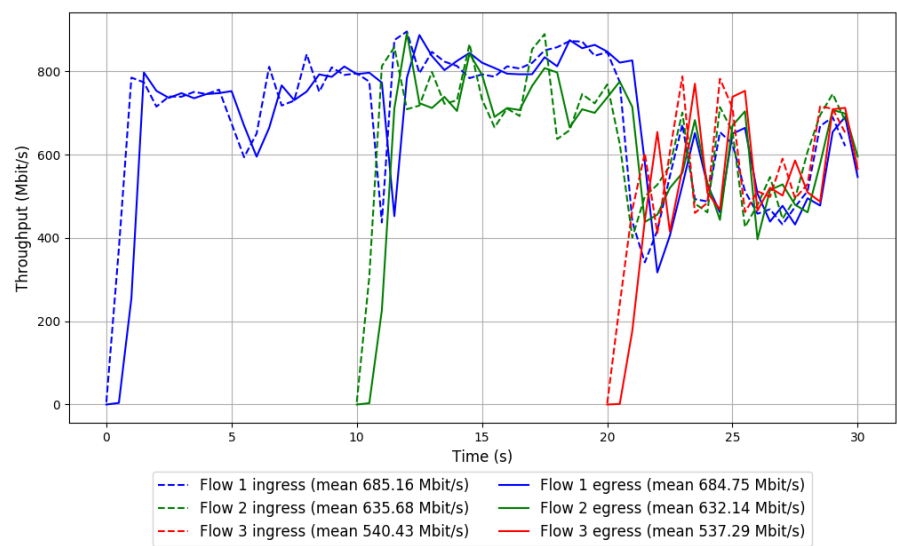
-- Flow 3:

Average throughput: 537.29 Mbit/s

95th percentile per-packet one-way delay: 82.140 ms

Loss rate: 1.62%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-27 11:06:42

End at: 2018-07-27 11:07:12

Local clock offset: 0.121 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-27 14:35:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1266.66 Mbit/s

95th percentile per-packet one-way delay: 116.773 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 666.43 Mbit/s

95th percentile per-packet one-way delay: 126.975 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 632.56 Mbit/s

95th percentile per-packet one-way delay: 104.424 ms

Loss rate: 0.46%

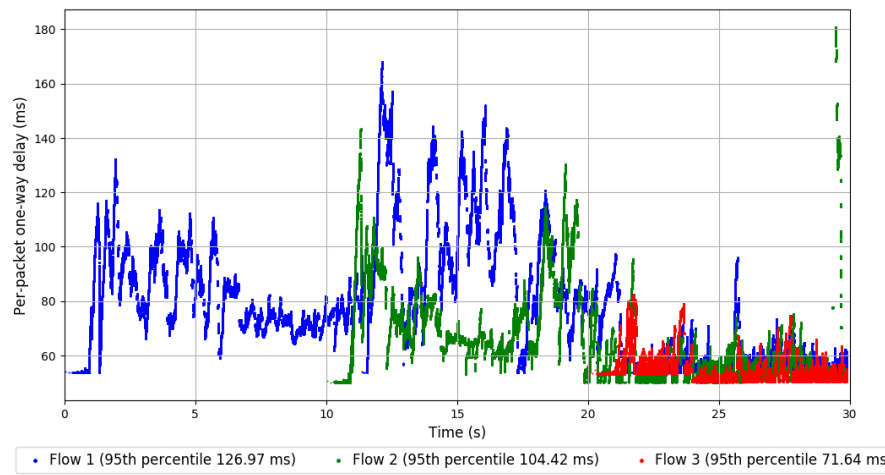
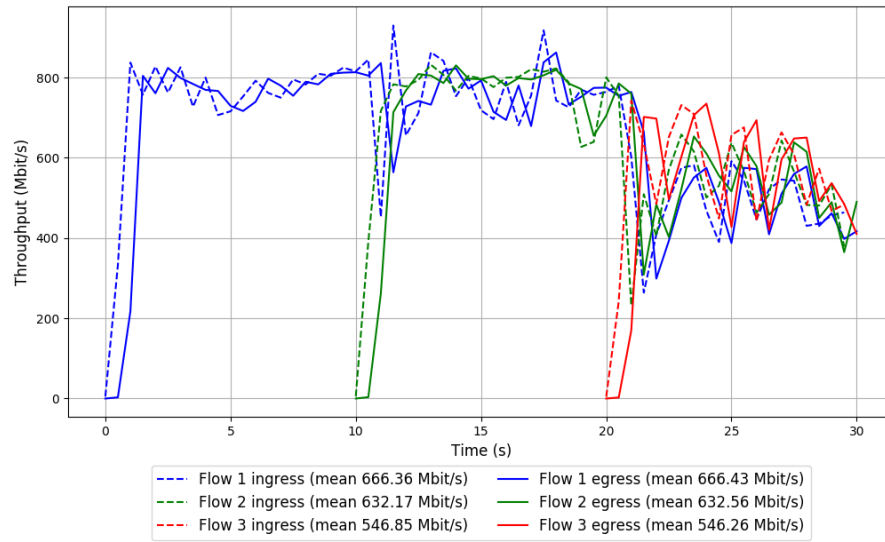
-- Flow 3:

Average throughput: 546.26 Mbit/s

95th percentile per-packet one-way delay: 71.642 ms

Loss rate: 1.20%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-27 11:31:16

End at: 2018-07-27 11:31:46

Local clock offset: 0.053 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-27 14:37:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 1361.79 Mbit/s

95th percentile per-packet one-way delay: 114.700 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 708.05 Mbit/s

95th percentile per-packet one-way delay: 126.243 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 700.96 Mbit/s

95th percentile per-packet one-way delay: 84.453 ms

Loss rate: 0.13%

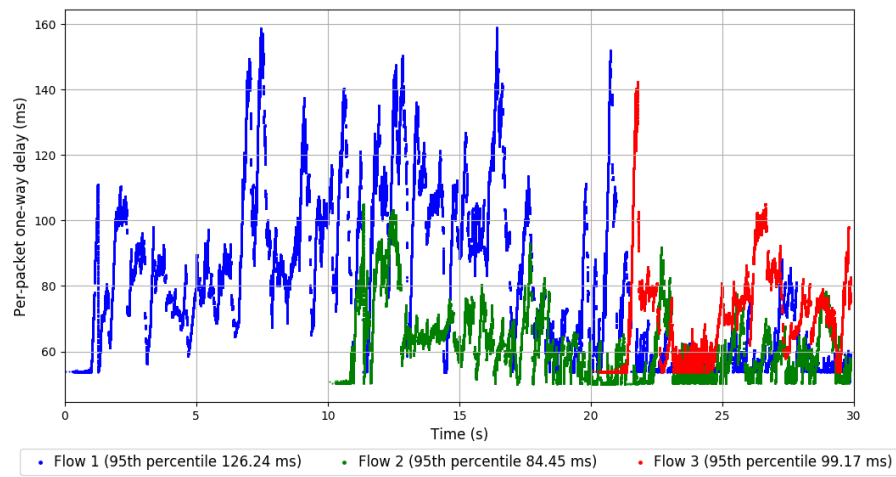
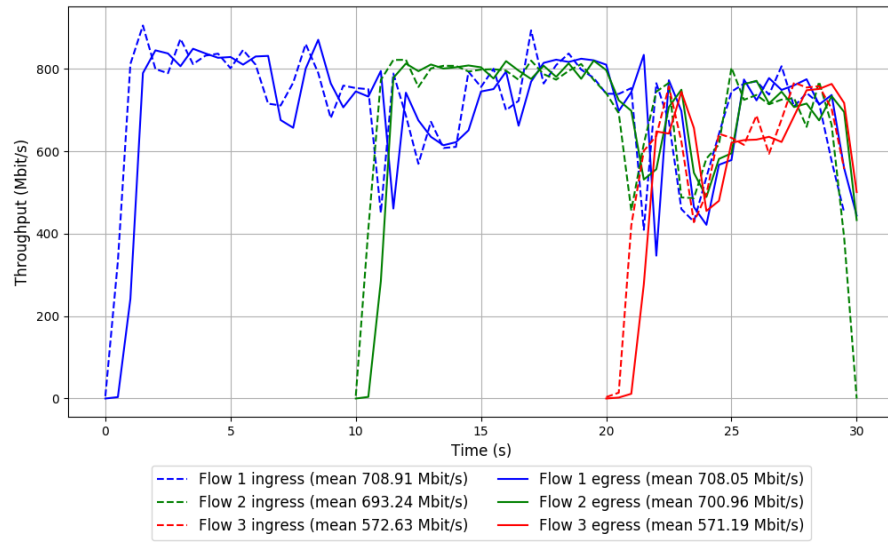
-- Flow 3:

Average throughput: 571.19 Mbit/s

95th percentile per-packet one-way delay: 99.170 ms

Loss rate: 1.34%

Run 9: Report of FillP-Sheep — Data Link

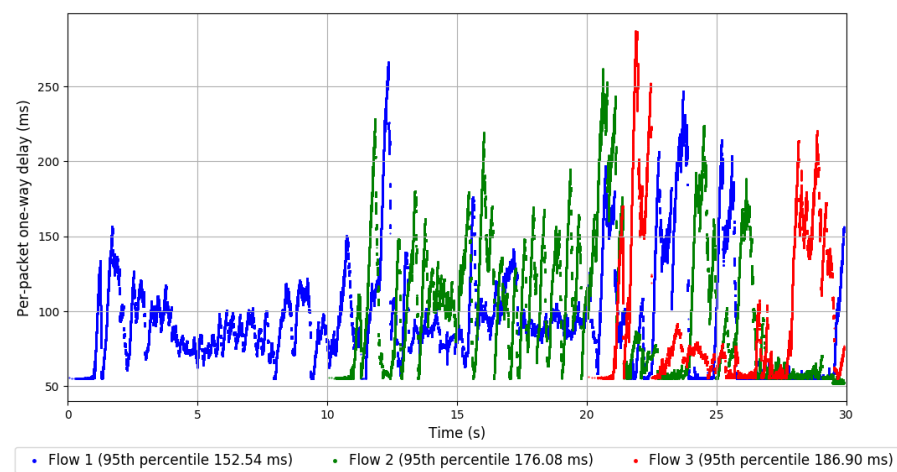
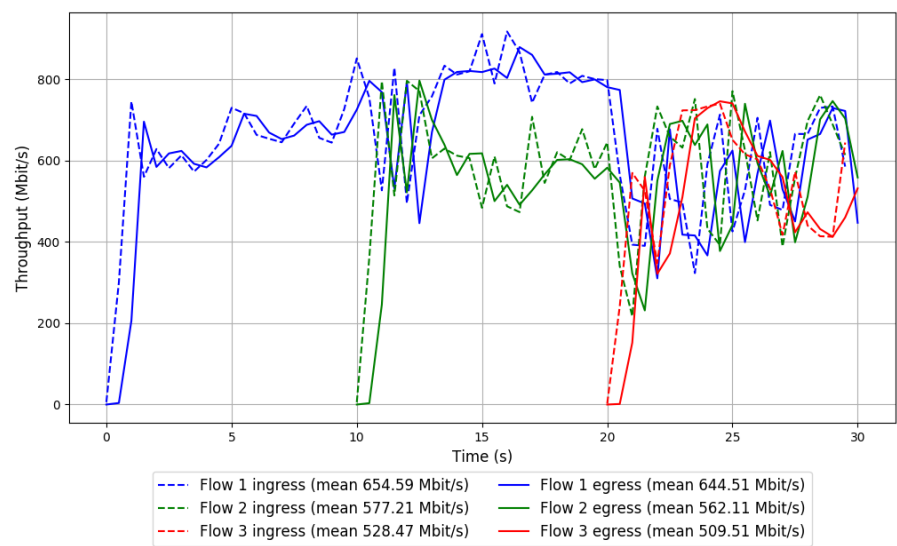


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-27 11:55:58
End at: 2018-07-27 11:56:28
Local clock offset: 0.083 ms
Remote clock offset: -1.362 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1185.77 Mbit/s
95th percentile per-packet one-way delay: 167.919 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 644.51 Mbit/s
95th percentile per-packet one-way delay: 152.542 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 562.11 Mbit/s
95th percentile per-packet one-way delay: 176.080 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 509.51 Mbit/s
95th percentile per-packet one-way delay: 186.903 ms
Loss rate: 4.63%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-27 08:24:00

End at: 2018-07-27 08:24:30

Local clock offset: 0.114 ms

Remote clock offset: 1.306 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 386.65 Mbit/s

95th percentile per-packet one-way delay: 70.103 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 211.38 Mbit/s

95th percentile per-packet one-way delay: 68.275 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 192.20 Mbit/s

95th percentile per-packet one-way delay: 70.325 ms

Loss rate: 0.54%

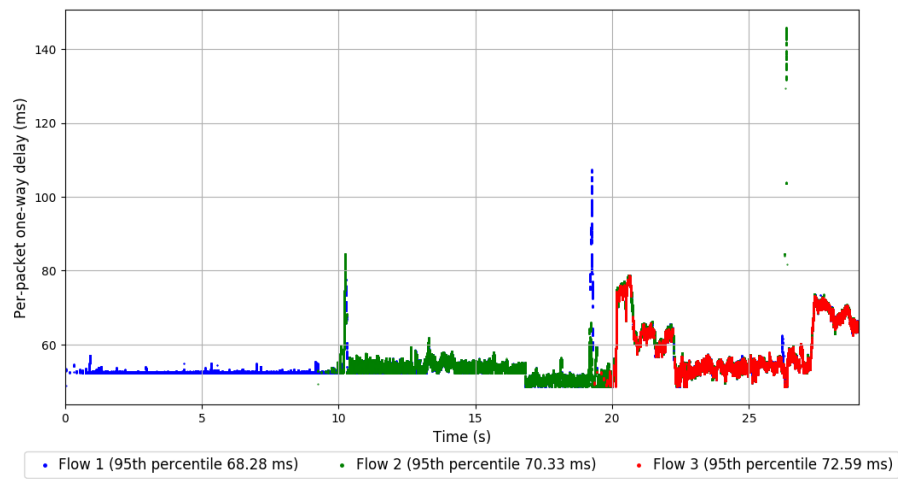
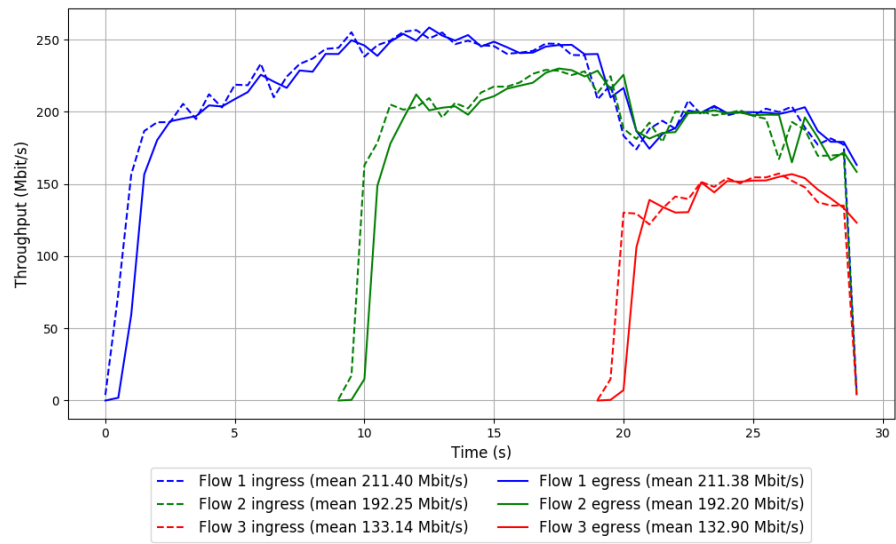
-- Flow 3:

Average throughput: 132.90 Mbit/s

95th percentile per-packet one-way delay: 72.589 ms

Loss rate: 1.24%

Run 1: Report of Indigo — Data Link

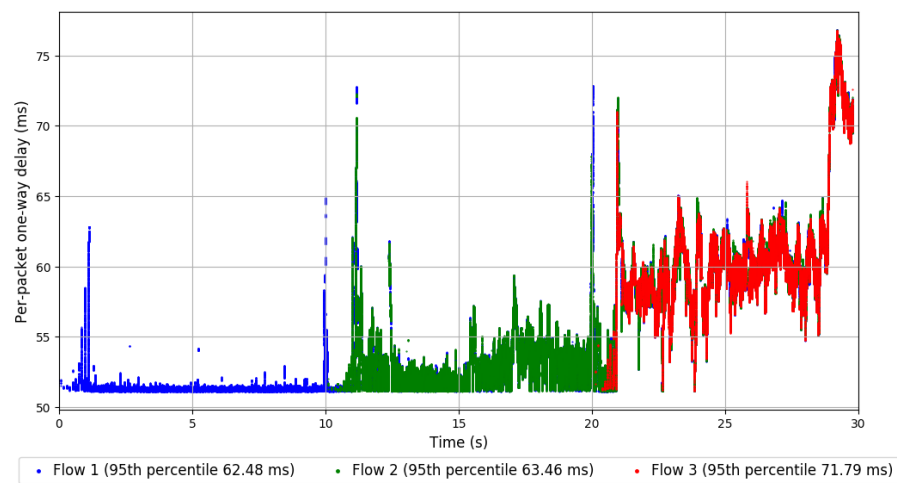
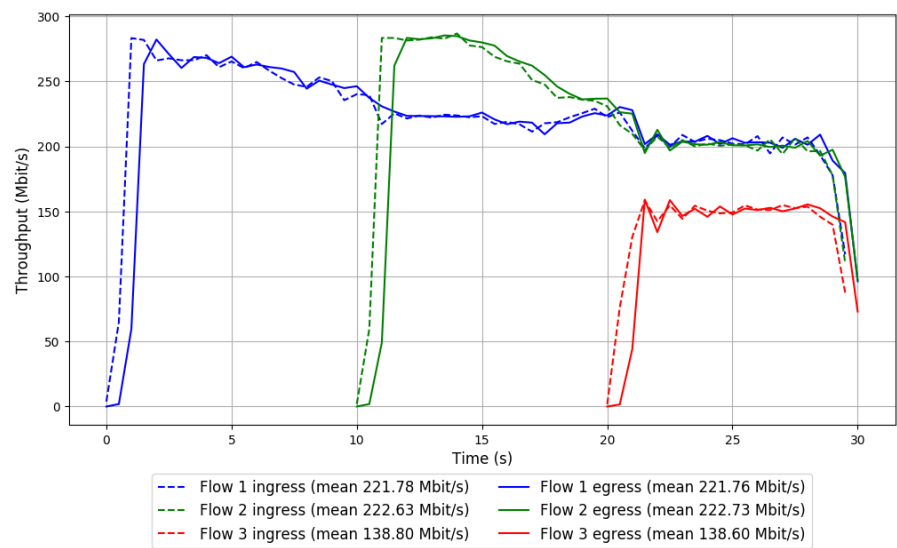


Run 2: Statistics of Indigo

Start at: 2018-07-27 08:48:20
End at: 2018-07-27 08:48:50
Local clock offset: -0.018 ms
Remote clock offset: -1.309 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.00 Mbit/s
95th percentile per-packet one-way delay: 63.363 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 221.76 Mbit/s
95th percentile per-packet one-way delay: 62.482 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 222.73 Mbit/s
95th percentile per-packet one-way delay: 63.460 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 138.60 Mbit/s
95th percentile per-packet one-way delay: 71.793 ms
Loss rate: 1.17%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-27 09:12:54

End at: 2018-07-27 09:13:24

Local clock offset: -0.009 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.42 Mbit/s

95th percentile per-packet one-way delay: 67.361 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 230.86 Mbit/s

95th percentile per-packet one-way delay: 65.719 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 165.22 Mbit/s

95th percentile per-packet one-way delay: 68.112 ms

Loss rate: 0.56%

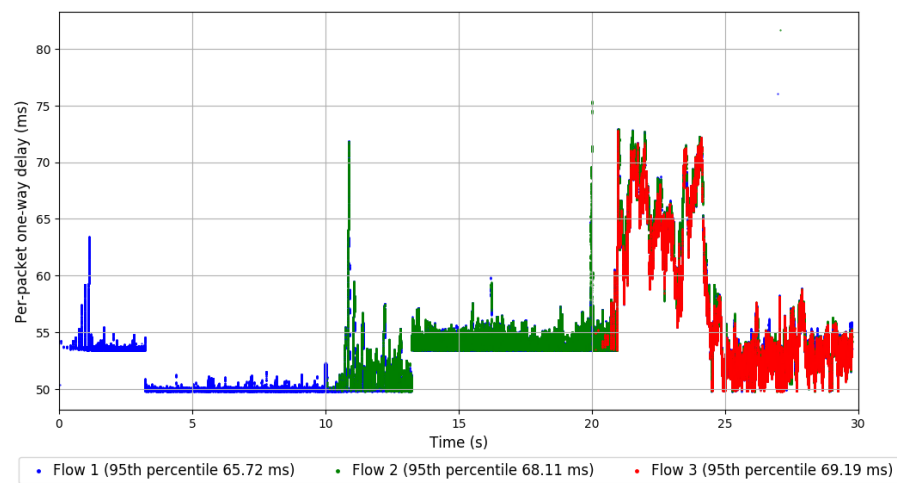
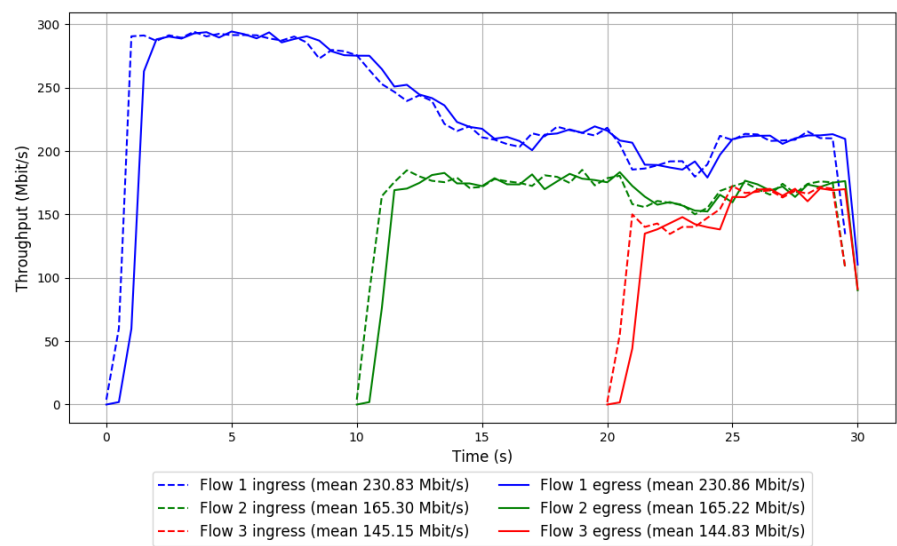
-- Flow 3:

Average throughput: 144.83 Mbit/s

95th percentile per-packet one-way delay: 69.185 ms

Loss rate: 1.32%

Run 3: Report of Indigo — Data Link

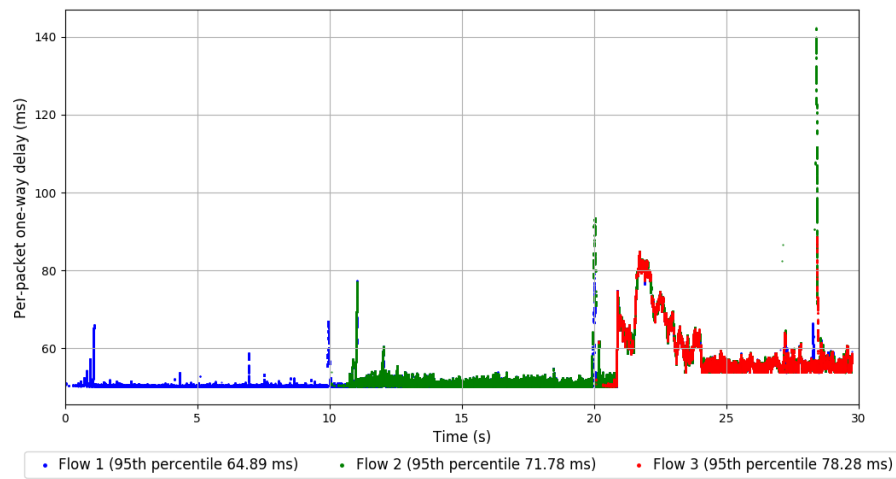
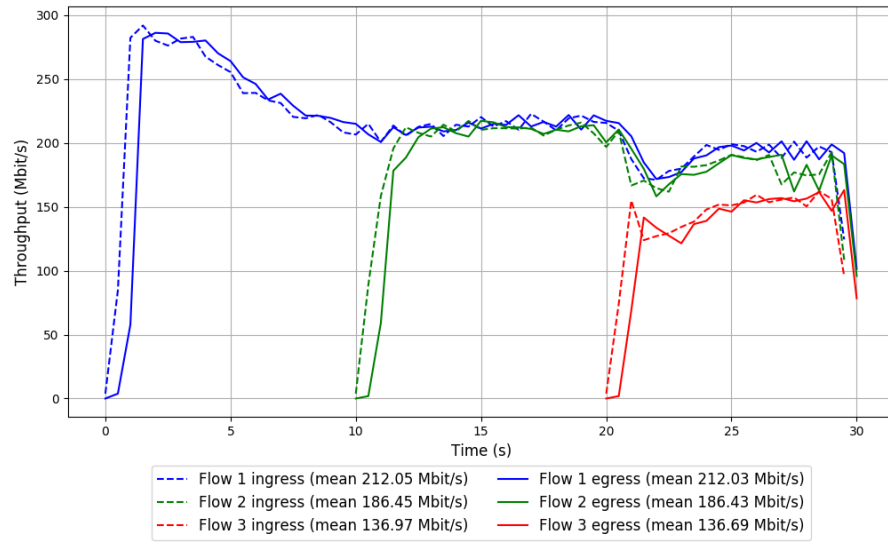


Run 4: Statistics of Indigo

Start at: 2018-07-27 09:37:26
End at: 2018-07-27 09:37:56
Local clock offset: 0.118 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 380.10 Mbit/s
95th percentile per-packet one-way delay: 69.274 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 212.03 Mbit/s
95th percentile per-packet one-way delay: 64.894 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 186.43 Mbit/s
95th percentile per-packet one-way delay: 71.776 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 136.69 Mbit/s
95th percentile per-packet one-way delay: 78.281 ms
Loss rate: 1.23%

Run 4: Report of Indigo — Data Link

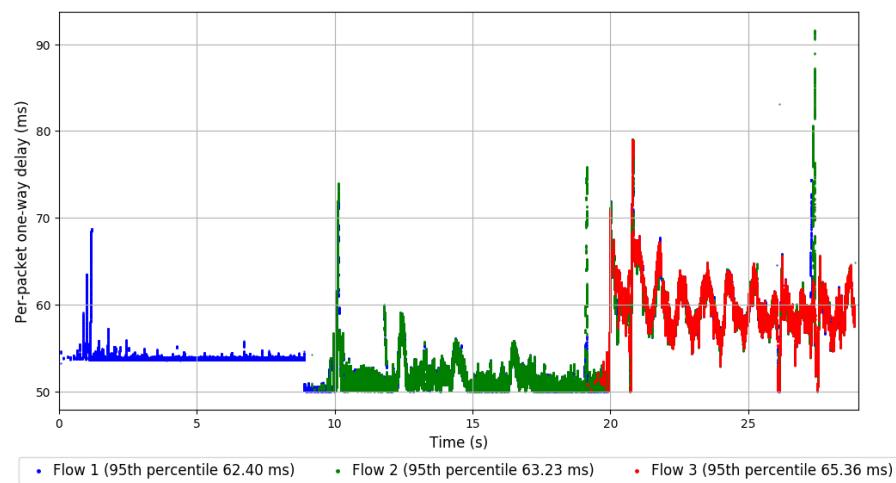
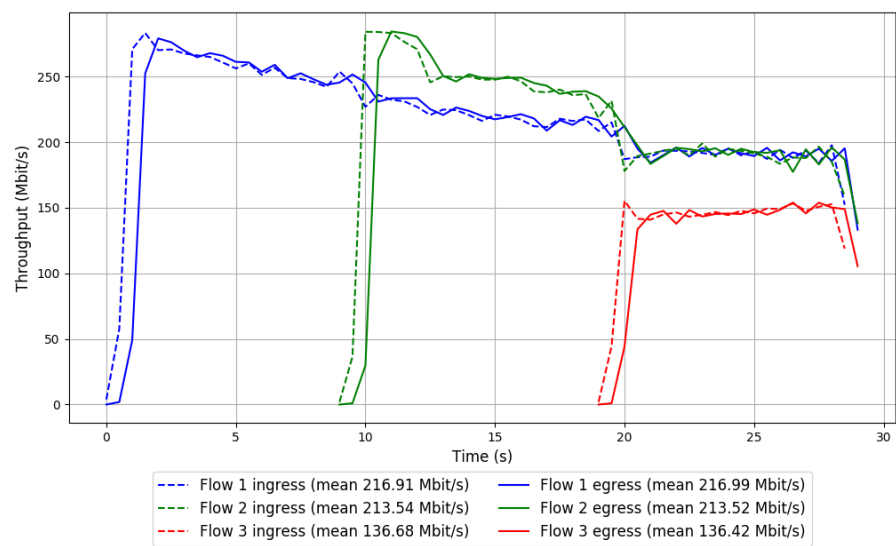


Run 5: Statistics of Indigo

Start at: 2018-07-27 10:02:18
End at: 2018-07-27 10:02:48
Local clock offset: -0.147 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.74 Mbit/s
95th percentile per-packet one-way delay: 63.151 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 216.99 Mbit/s
95th percentile per-packet one-way delay: 62.397 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 213.52 Mbit/s
95th percentile per-packet one-way delay: 63.232 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 136.42 Mbit/s
95th percentile per-packet one-way delay: 65.356 ms
Loss rate: 1.23%

Run 5: Report of Indigo — Data Link

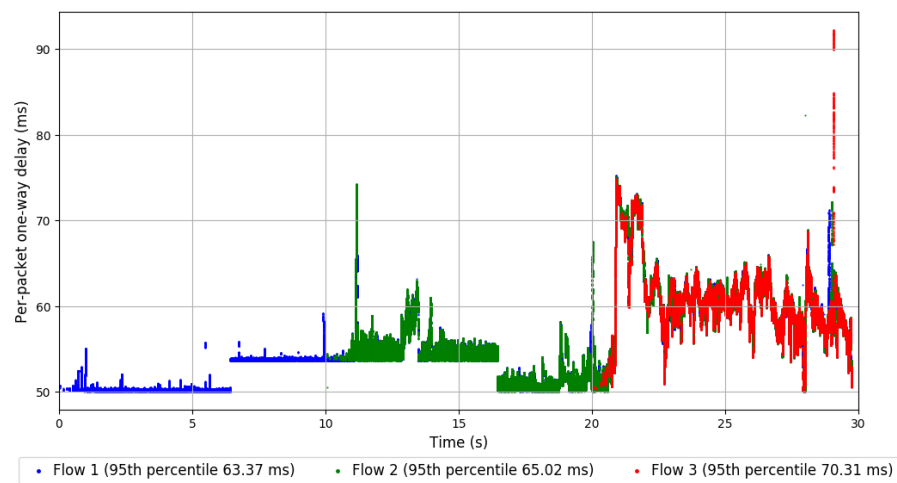
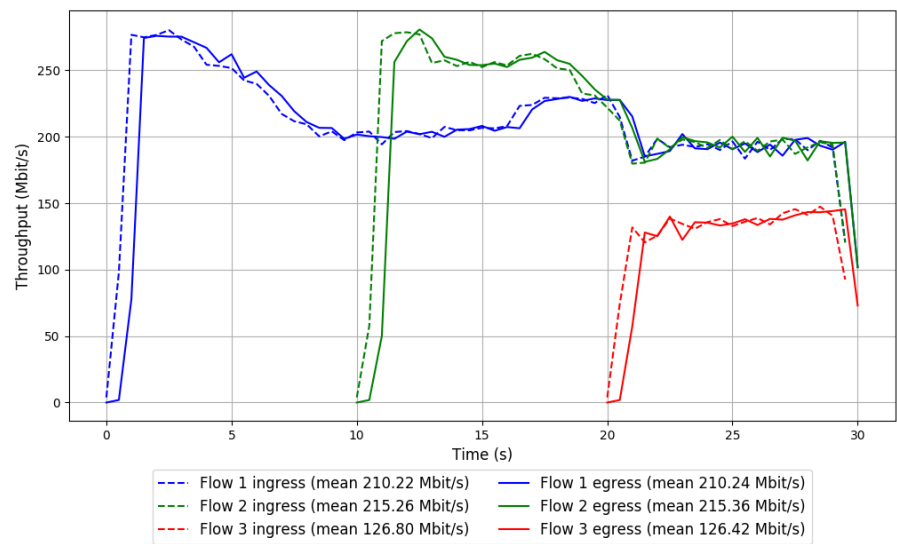


Run 6: Statistics of Indigo

Start at: 2018-07-27 10:26:51
End at: 2018-07-27 10:27:21
Local clock offset: 0.026 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.26 Mbit/s
95th percentile per-packet one-way delay: 64.694 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 210.24 Mbit/s
95th percentile per-packet one-way delay: 63.374 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 215.36 Mbit/s
95th percentile per-packet one-way delay: 65.021 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 126.42 Mbit/s
95th percentile per-packet one-way delay: 70.313 ms
Loss rate: 1.36%

Run 6: Report of Indigo — Data Link

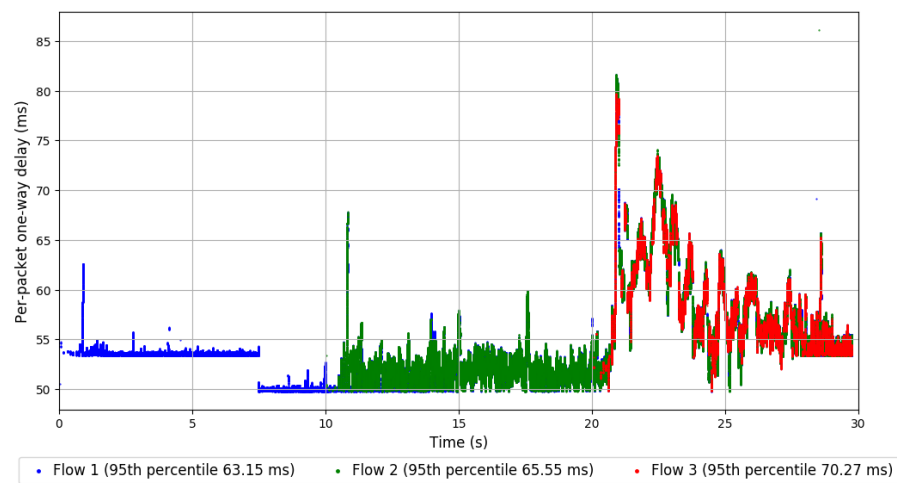
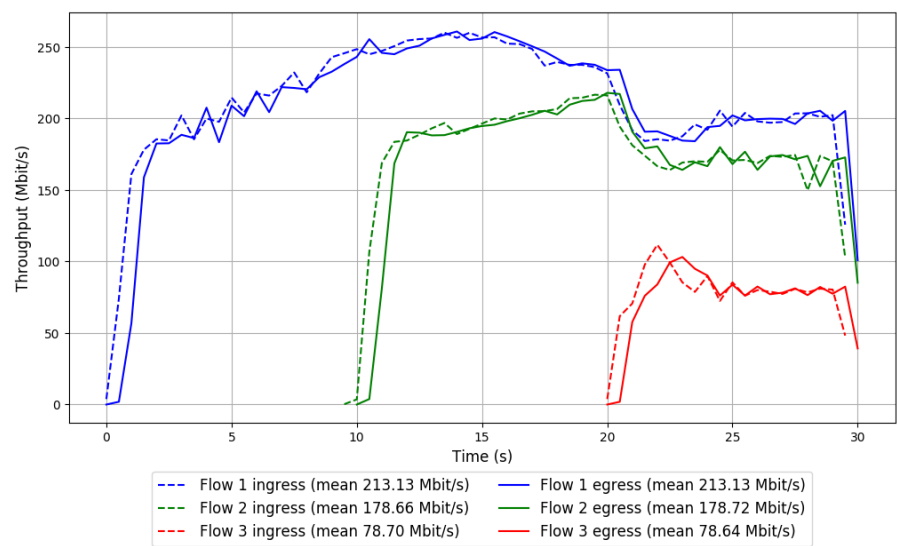


Run 7: Statistics of Indigo

Start at: 2018-07-27 10:51:10
End at: 2018-07-27 10:51:40
Local clock offset: 0.022 ms
Remote clock offset: 0.143 ms

```
# Below is generated by plot.py at 2018-07-27 14:38:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.38 Mbit/s
95th percentile per-packet one-way delay: 65.058 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 213.13 Mbit/s
95th percentile per-packet one-way delay: 63.152 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 178.72 Mbit/s
95th percentile per-packet one-way delay: 65.552 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 70.272 ms
Loss rate: 1.16%
```


Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-27 11:15:32

End at: 2018-07-27 11:16:02

Local clock offset: -0.025 ms

Remote clock offset: 1.21 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.65 Mbit/s

95th percentile per-packet one-way delay: 83.304 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 202.51 Mbit/s

95th percentile per-packet one-way delay: 70.468 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 192.88 Mbit/s

95th percentile per-packet one-way delay: 97.032 ms

Loss rate: 0.24%

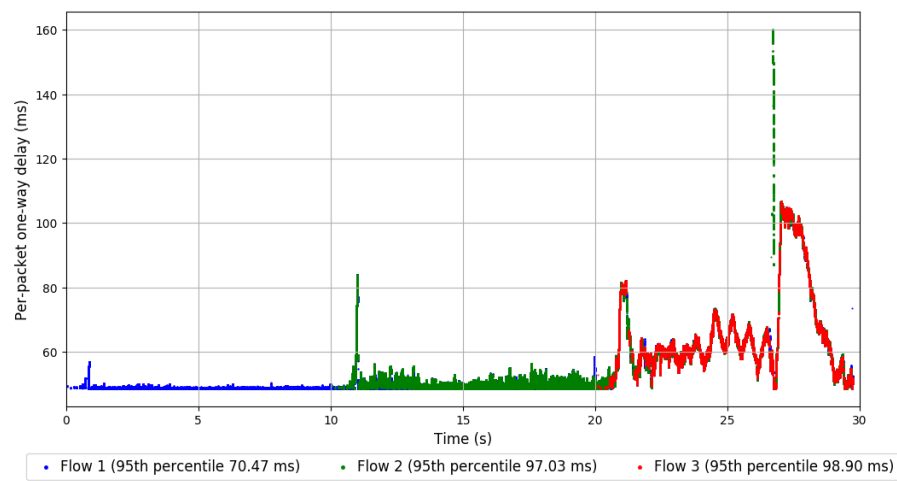
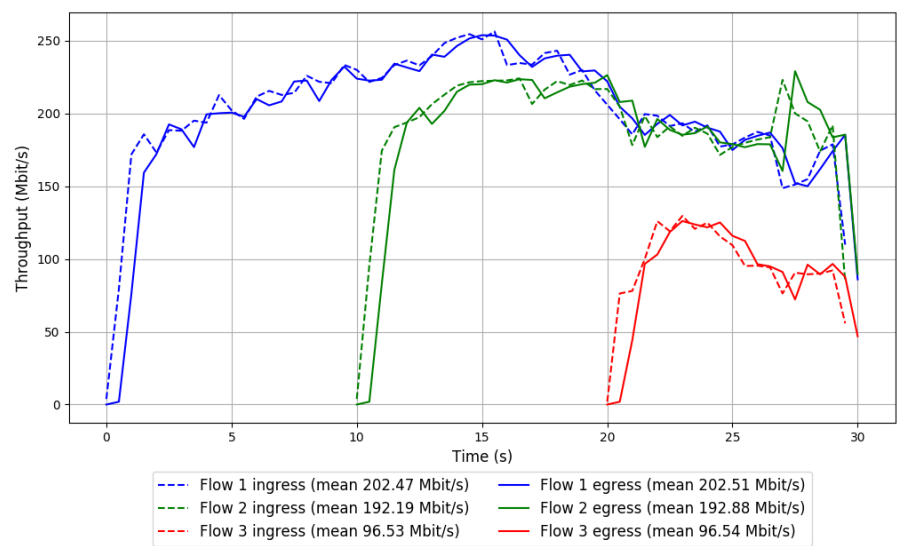
-- Flow 3:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 98.897 ms

Loss rate: 1.07%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-27 11:40:25

End at: 2018-07-27 11:40:55

Local clock offset: 0.076 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.64 Mbit/s

95th percentile per-packet one-way delay: 62.404 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 220.43 Mbit/s

95th percentile per-packet one-way delay: 61.368 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 187.89 Mbit/s

95th percentile per-packet one-way delay: 62.658 ms

Loss rate: 0.51%

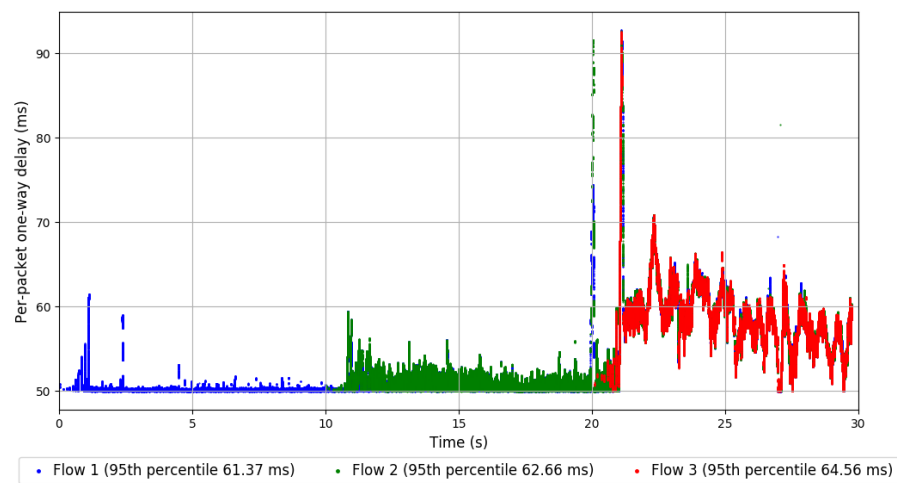
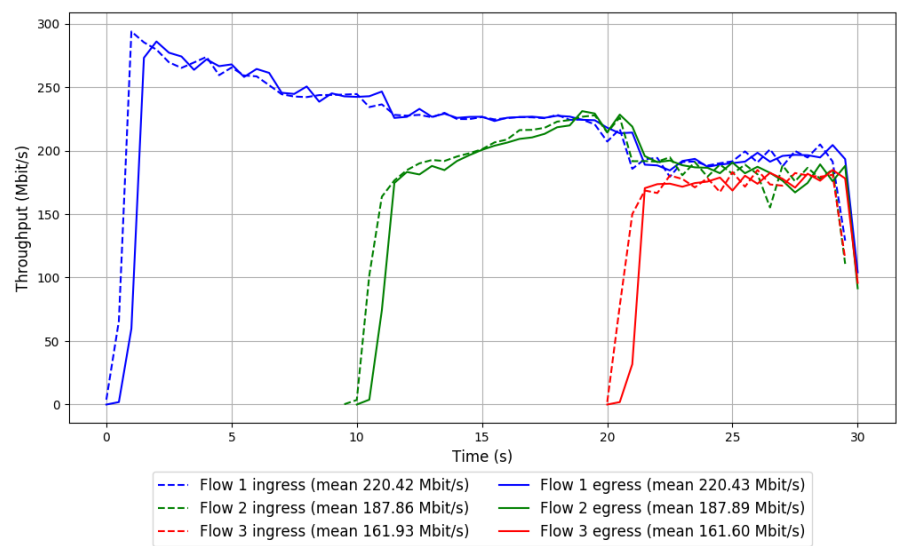
-- Flow 3:

Average throughput: 161.60 Mbit/s

95th percentile per-packet one-way delay: 64.564 ms

Loss rate: 1.27%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-27 12:04:54

End at: 2018-07-27 12:05:24

Local clock offset: -0.299 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.51 Mbit/s

95th percentile per-packet one-way delay: 59.682 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 216.18 Mbit/s

95th percentile per-packet one-way delay: 59.314 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 165.48 Mbit/s

95th percentile per-packet one-way delay: 59.861 ms

Loss rate: 0.59%

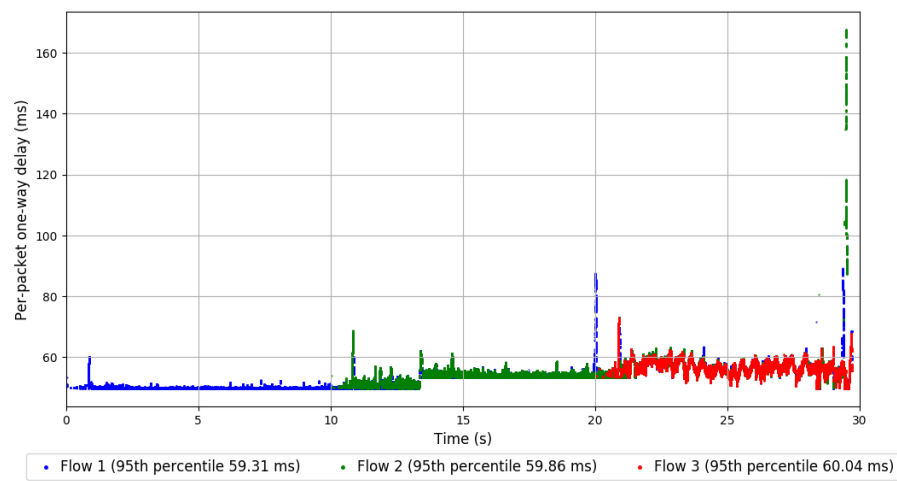
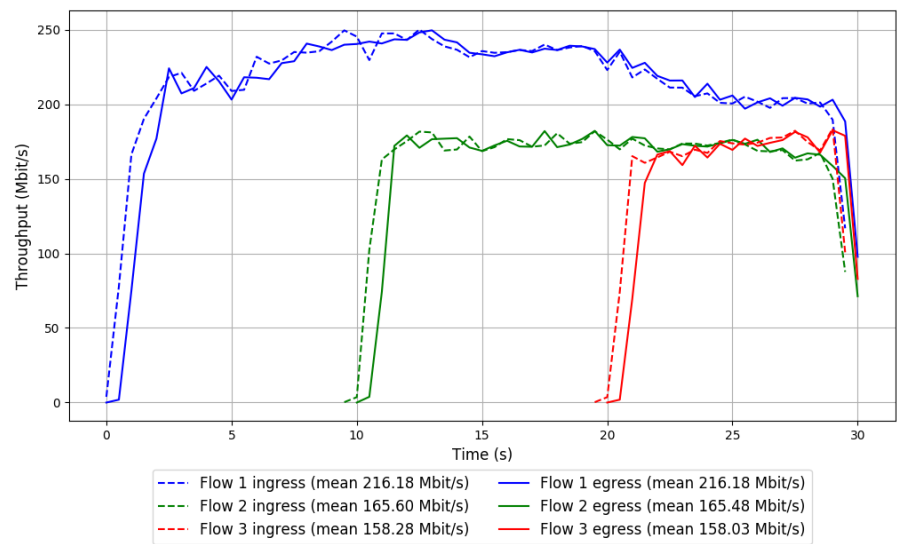
-- Flow 3:

Average throughput: 158.03 Mbit/s

95th percentile per-packet one-way delay: 60.044 ms

Loss rate: 1.22%

Run 10: Report of Indigo — Data Link

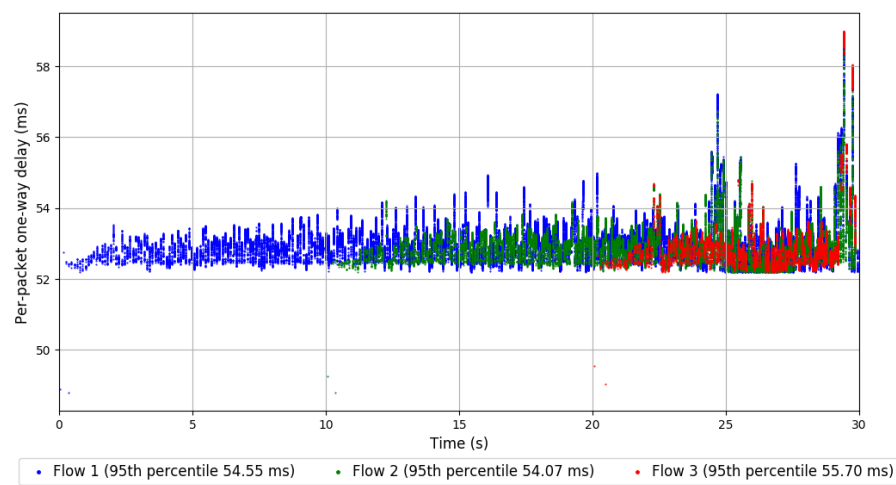
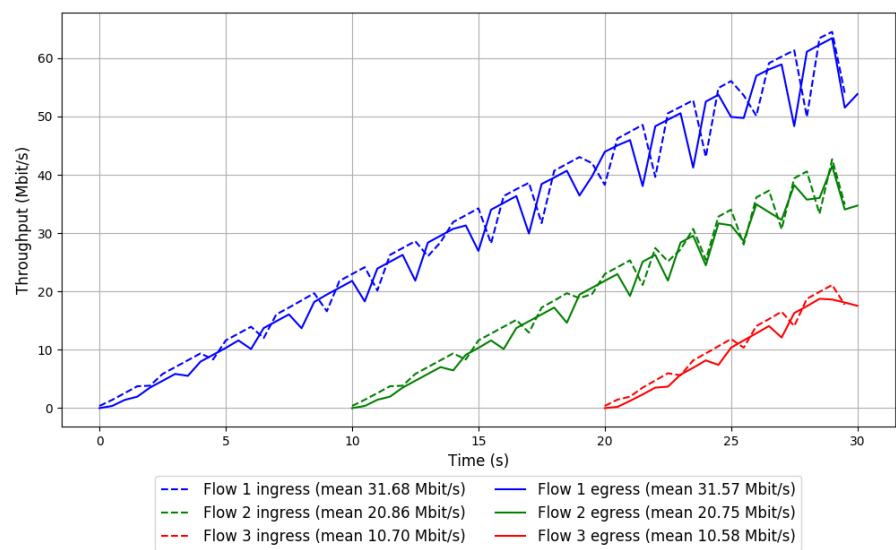


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-27 08:28:29
End at: 2018-07-27 08:28:59
Local clock offset: 0.058 ms
Remote clock offset: 1.343 ms

# Below is generated by plot.py at 2018-07-27 14:38:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 54.448 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 54.551 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 54.073 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 55.705 ms
Loss rate: 2.13%
```


Run 1: Report of LEDBAT — Data Link

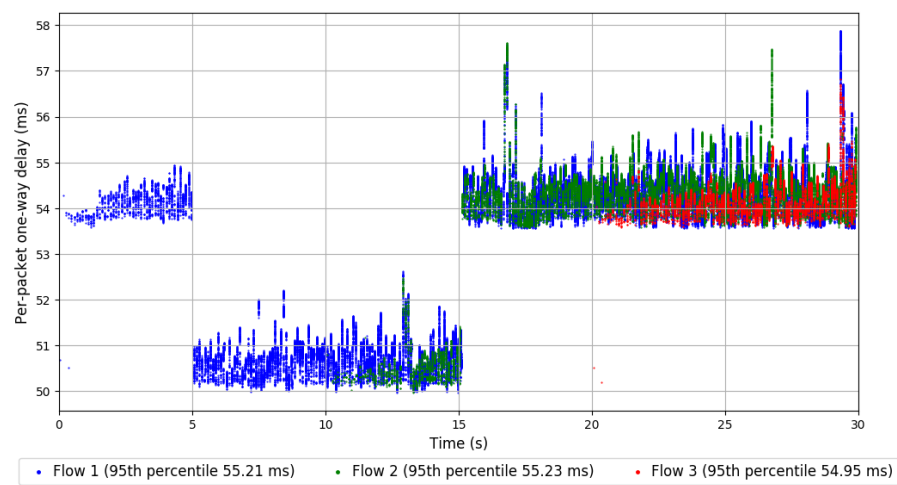
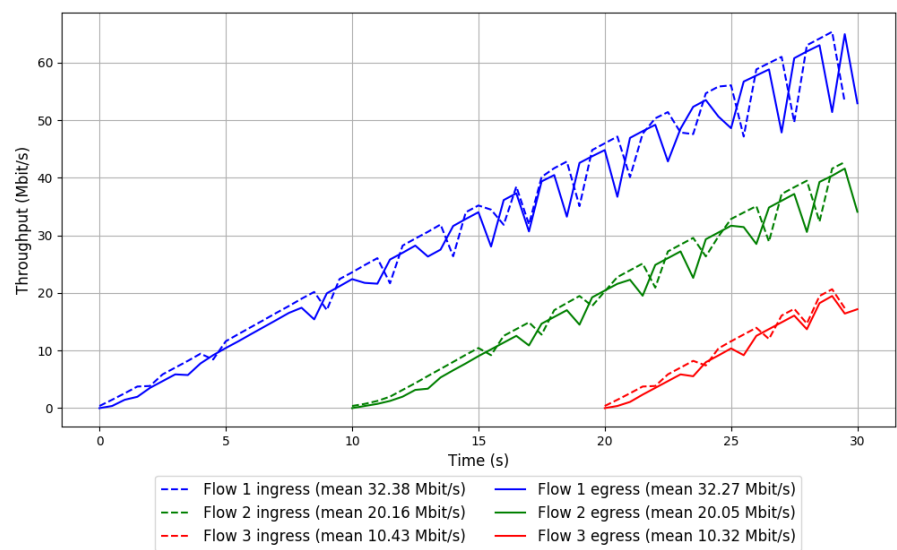


Run 2: Statistics of LEDBAT

Start at: 2018-07-27 08:52:52
End at: 2018-07-27 08:53:22
Local clock offset: 0.009 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 55.198 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 55.207 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 20.05 Mbit/s
95th percentile per-packet one-way delay: 55.229 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 54.955 ms
Loss rate: 2.13%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-27 09:17:26

End at: 2018-07-27 09:17:56

Local clock offset: -0.138 ms

Remote clock offset: 1.016 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.55 Mbit/s

95th percentile per-packet one-way delay: 53.611 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 53.706 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 21.64 Mbit/s

95th percentile per-packet one-way delay: 53.369 ms

Loss rate: 1.05%

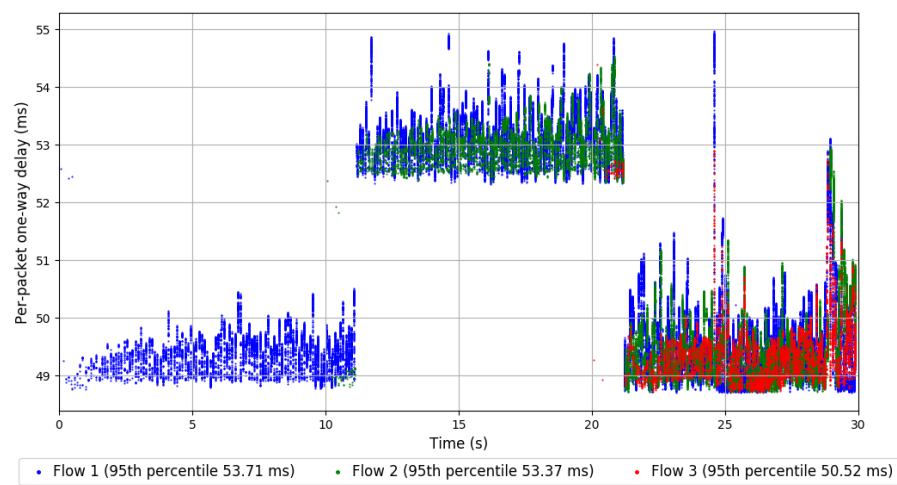
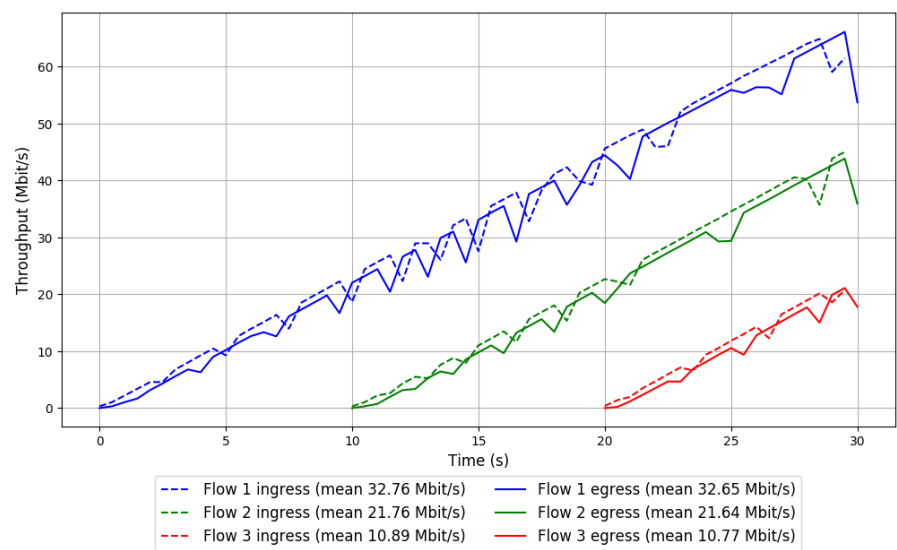
-- Flow 3:

Average throughput: 10.77 Mbit/s

95th percentile per-packet one-way delay: 50.516 ms

Loss rate: 2.12%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-27 09:41:54

End at: 2018-07-27 09:42:24

Local clock offset: -0.012 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.58 Mbit/s

95th percentile per-packet one-way delay: 55.040 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 54.637 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 22.87 Mbit/s

95th percentile per-packet one-way delay: 56.016 ms

Loss rate: 1.01%

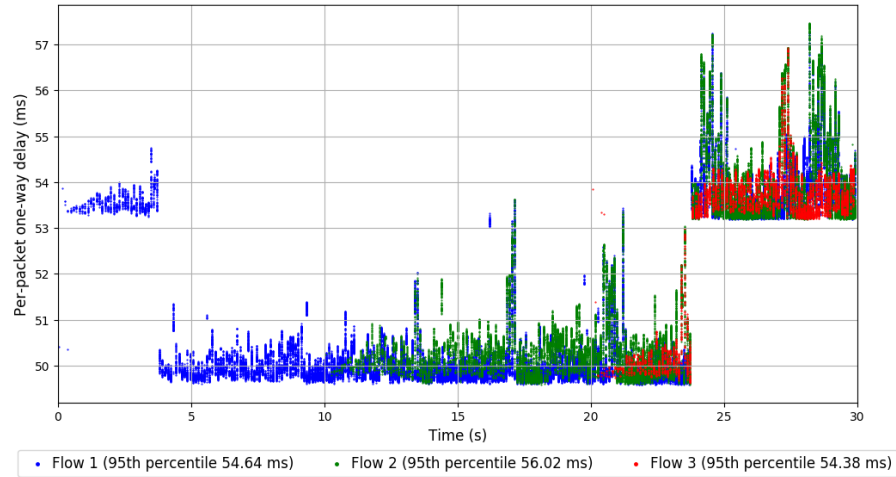
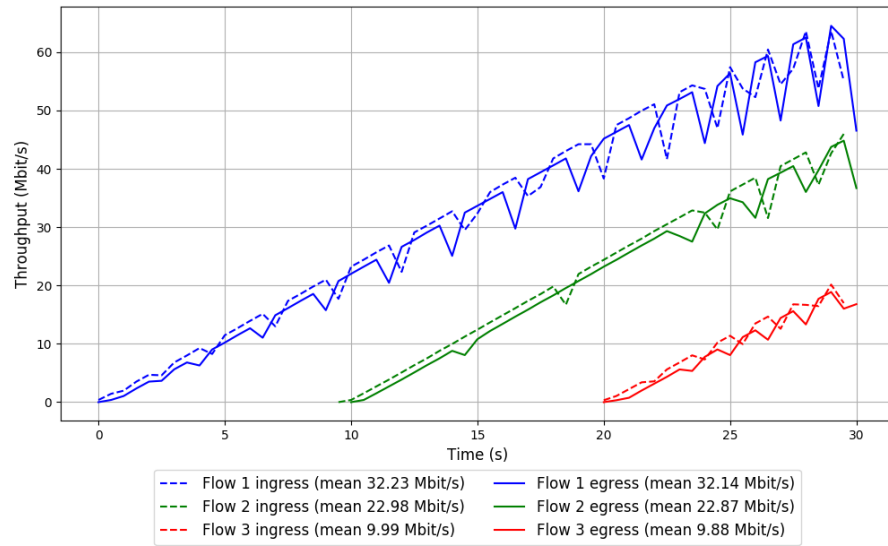
-- Flow 3:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 54.378 ms

Loss rate: 2.18%

Run 4: Report of LEDBAT — Data Link

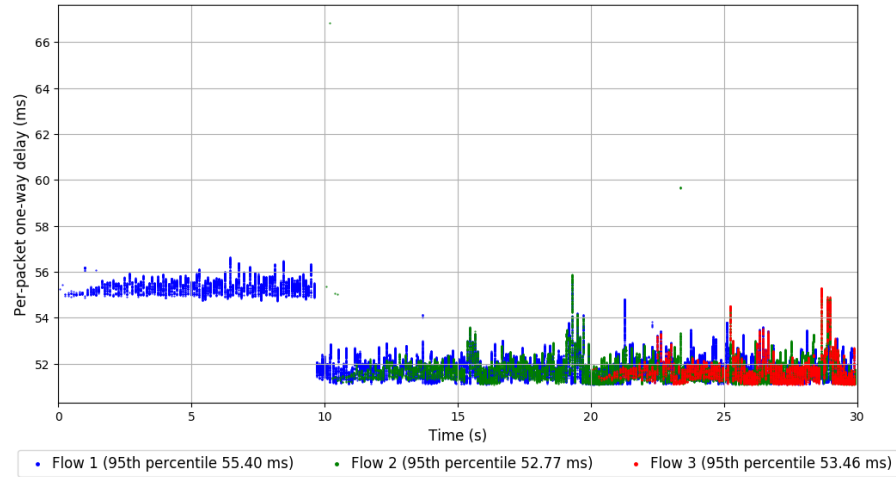
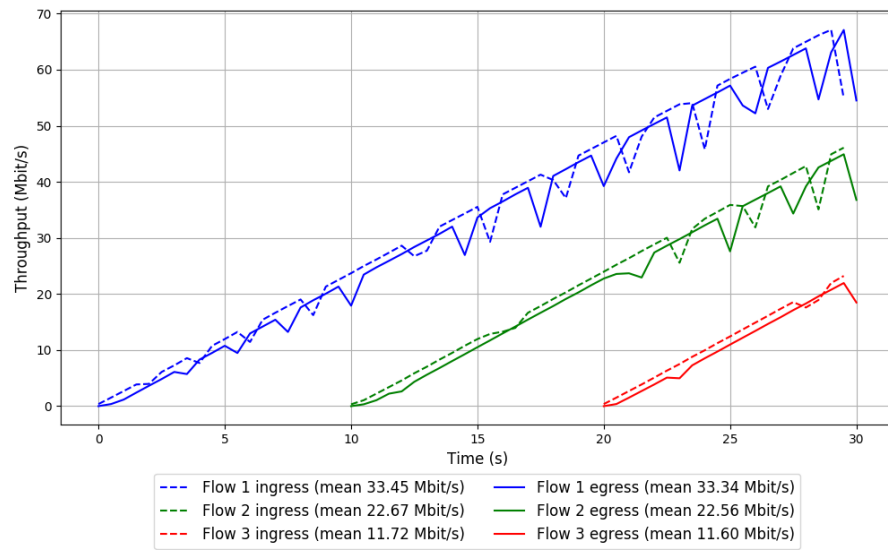


Run 5: Statistics of LEDBAT

Start at: 2018-07-27 10:06:48
End at: 2018-07-27 10:07:18
Local clock offset: -0.089 ms
Remote clock offset: -1.277 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.10 Mbit/s
95th percentile per-packet one-way delay: 55.190 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 55.395 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 52.773 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 53.464 ms
Loss rate: 2.04%

Run 5: Report of LEDBAT — Data Link

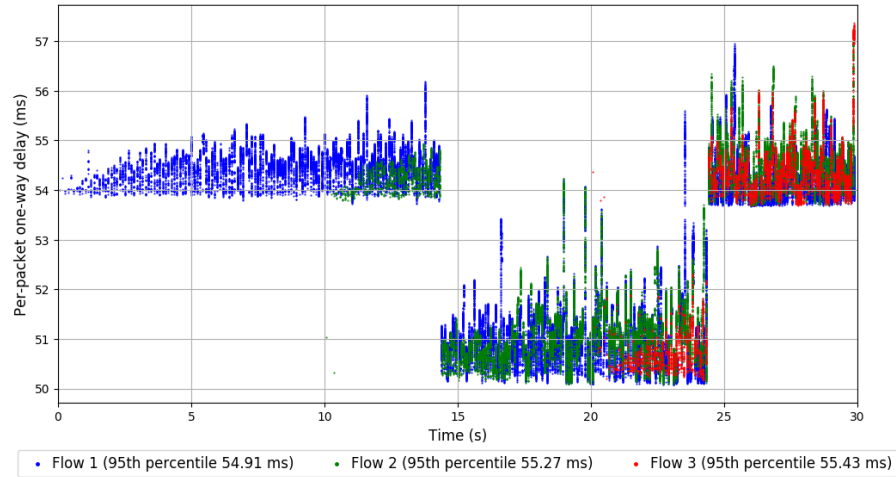
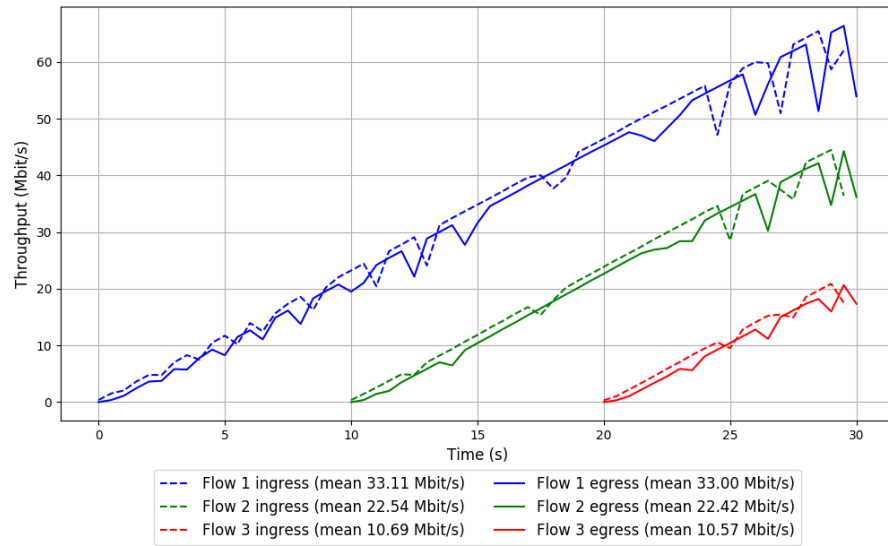


Run 6: Statistics of LEDBAT

Start at: 2018-07-27 10:31:23
End at: 2018-07-27 10:31:53
Local clock offset: -0.047 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 55.031 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 54.915 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 55.265 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 55.434 ms
Loss rate: 2.11%

Run 6: Report of LEDBAT — Data Link

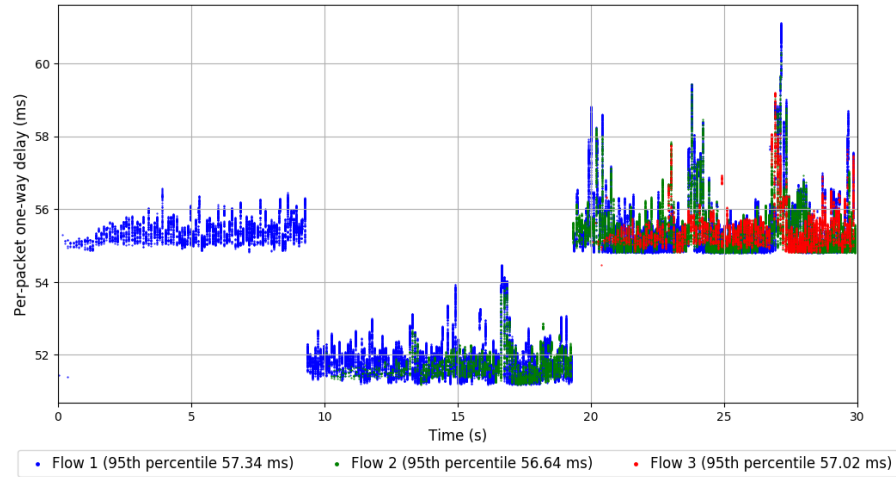
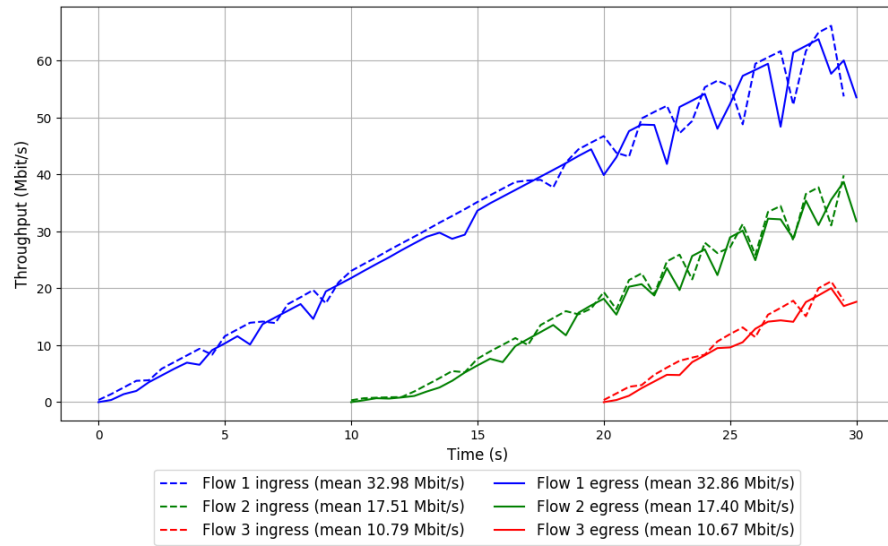


Run 7: Statistics of LEDBAT

Start at: 2018-07-27 10:55:38
End at: 2018-07-27 10:56:08
Local clock offset: -0.017 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-07-27 14:38:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 57.062 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 57.341 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 56.642 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 57.019 ms
Loss rate: 2.14%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-27 11:20:03

End at: 2018-07-27 11:20:33

Local clock offset: 0.038 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.22 Mbit/s

95th percentile per-packet one-way delay: 52.168 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 33.79 Mbit/s

95th percentile per-packet one-way delay: 51.828 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 22.34 Mbit/s

95th percentile per-packet one-way delay: 53.095 ms

Loss rate: 1.03%

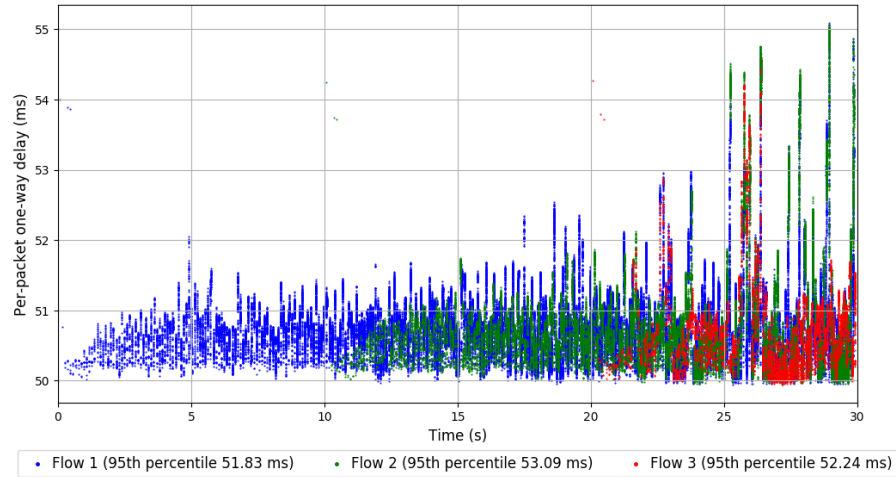
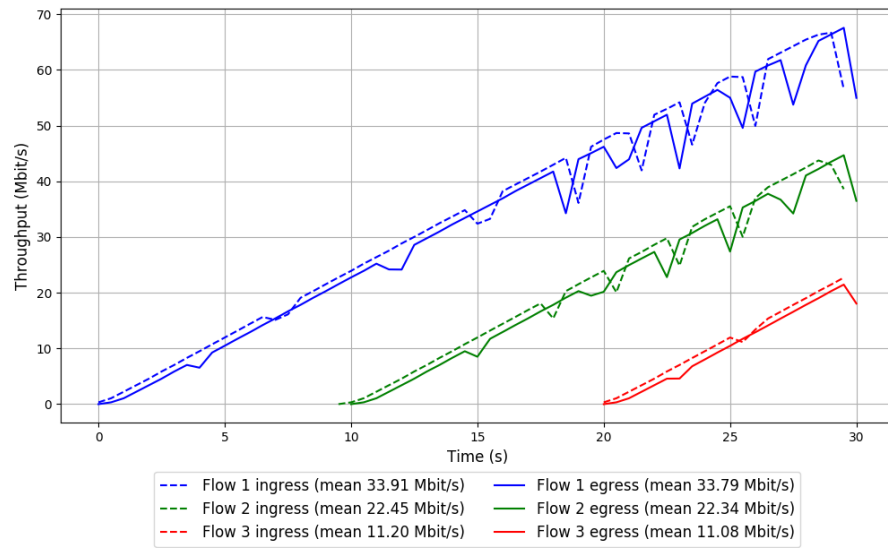
-- Flow 3:

Average throughput: 11.08 Mbit/s

95th percentile per-packet one-way delay: 52.240 ms

Loss rate: 2.09%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-27 11:44:57

End at: 2018-07-27 11:45:27

Local clock offset: -0.137 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.15 Mbit/s

95th percentile per-packet one-way delay: 51.950 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 52.102 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 22.09 Mbit/s

95th percentile per-packet one-way delay: 51.523 ms

Loss rate: 1.04%

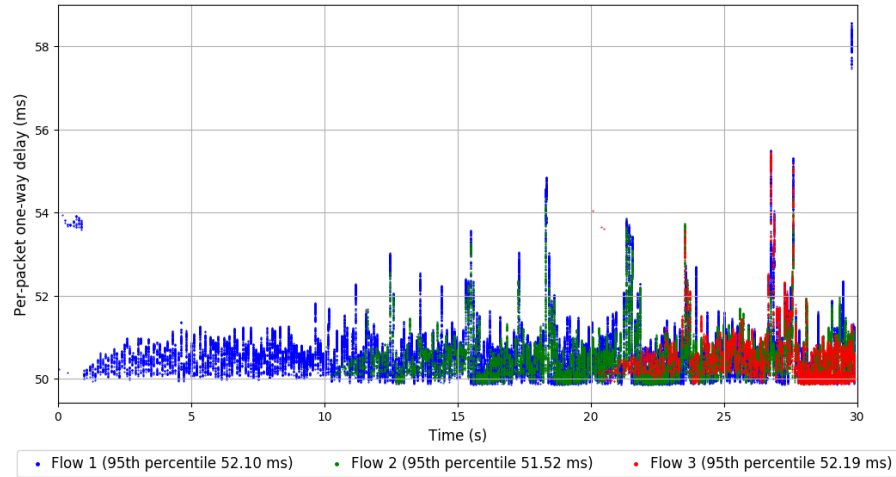
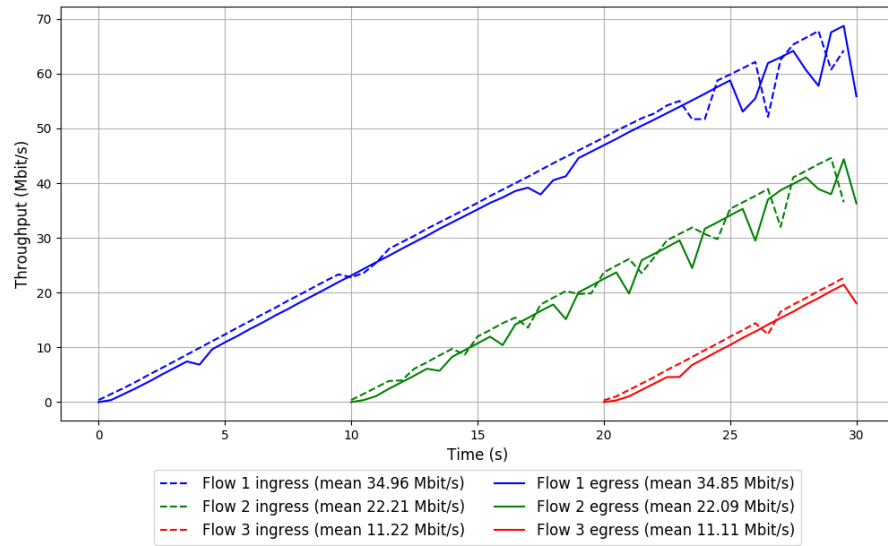
-- Flow 3:

Average throughput: 11.11 Mbit/s

95th percentile per-packet one-way delay: 52.193 ms

Loss rate: 2.09%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-27 12:09:24

End at: 2018-07-27 12:09:54

Local clock offset: -0.084 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-07-27 14:38:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 55.150 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 33.02 Mbit/s

95th percentile per-packet one-way delay: 55.314 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 54.755 ms

Loss rate: 1.03%

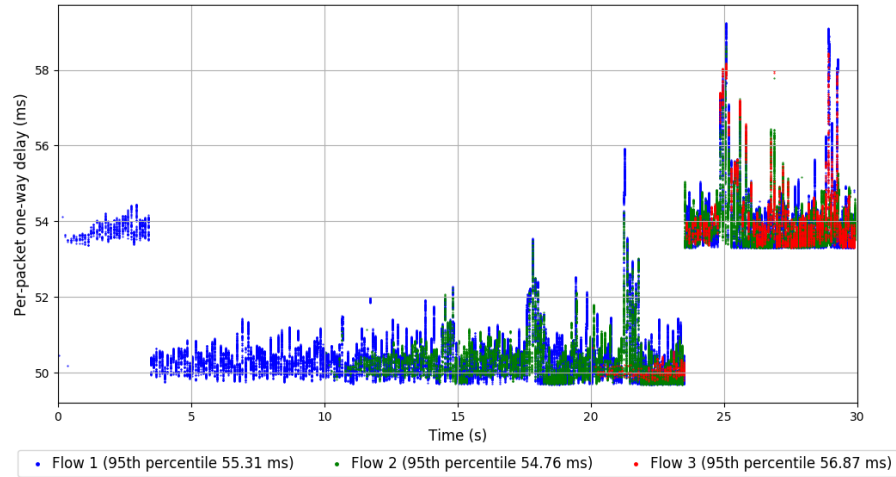
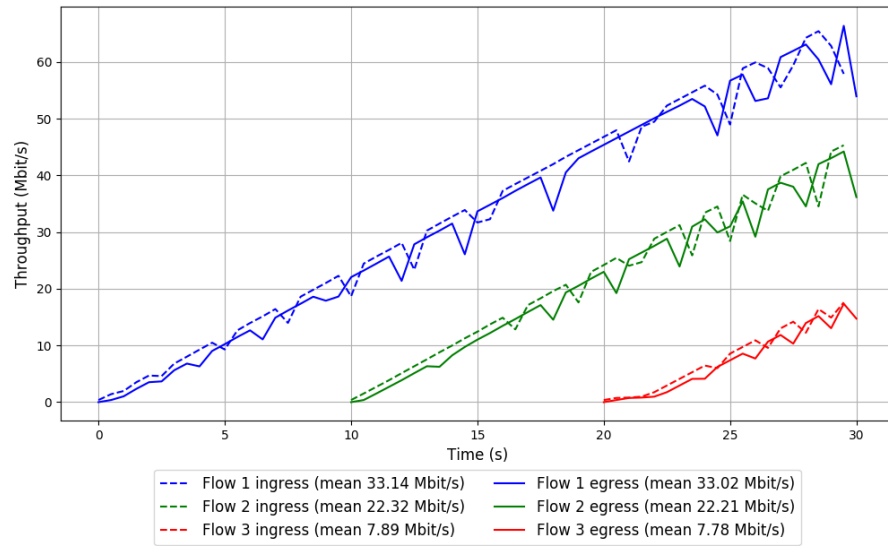
-- Flow 3:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 56.873 ms

Loss rate: 2.43%

Run 10: Report of LEDBAT — Data Link

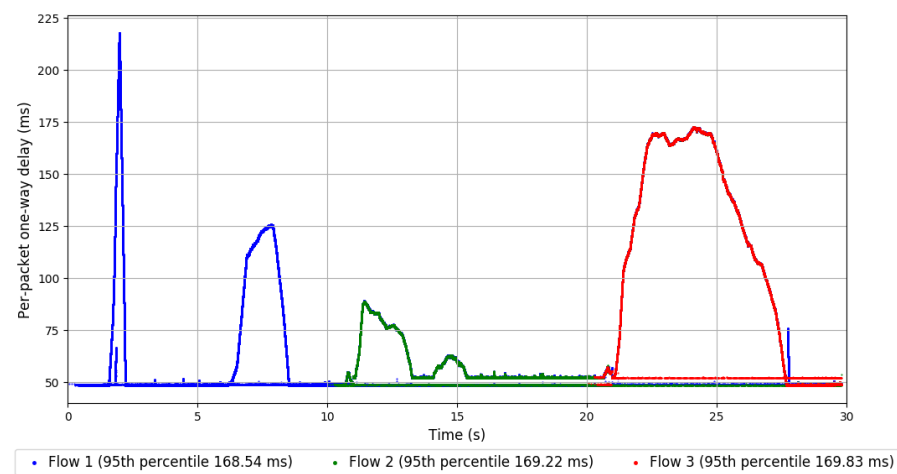
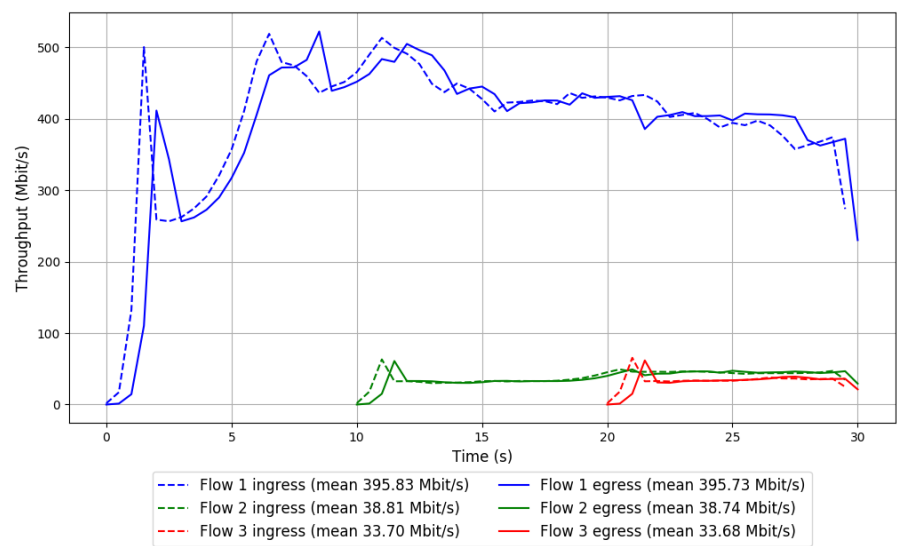


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-27 08:22:36
End at: 2018-07-27 08:23:06
Local clock offset: -0.152 ms
Remote clock offset: 1.235 ms

# Below is generated by plot.py at 2018-07-27 14:44:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.39 Mbit/s
95th percentile per-packet one-way delay: 168.715 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 395.73 Mbit/s
95th percentile per-packet one-way delay: 168.540 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 169.221 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 169.827 ms
Loss rate: 1.07%
```

Run 1: Report of PCC-Allegro — Data Link

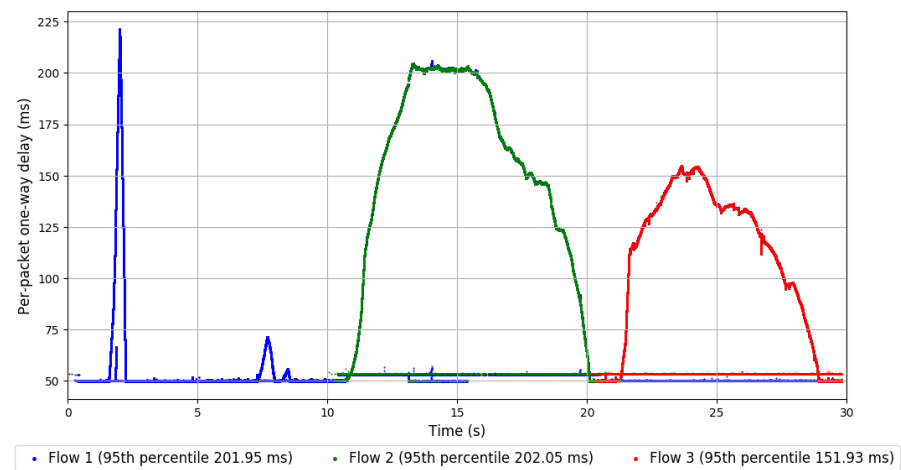
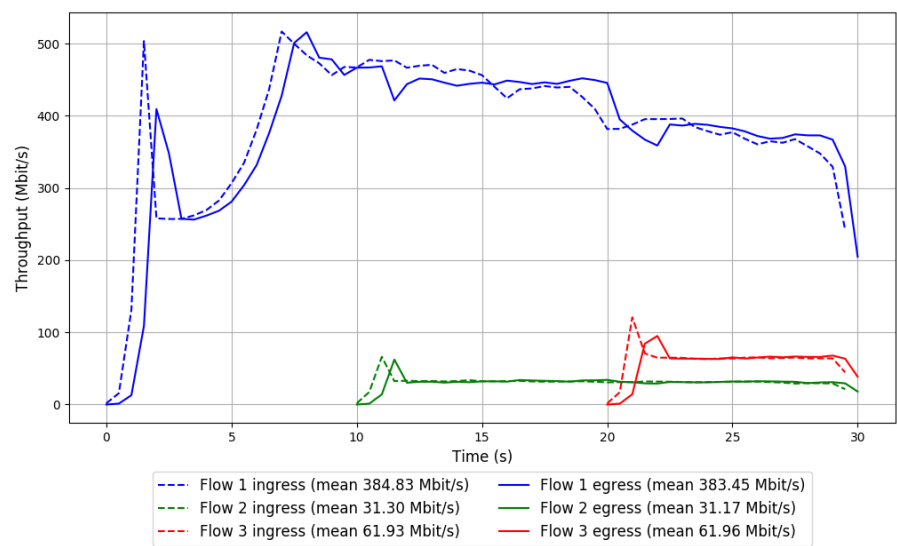


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-27 08:46:57
End at: 2018-07-27 08:47:27
Local clock offset: -0.098 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-27 14:44:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 424.39 Mbit/s
95th percentile per-packet one-way delay: 201.922 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 383.45 Mbit/s
95th percentile per-packet one-way delay: 201.954 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 202.046 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 151.932 ms
Loss rate: 1.05%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-27 09:11:29

End at: 2018-07-27 09:11:59

Local clock offset: 0.004 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-27 14:44:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 453.56 Mbit/s

95th percentile per-packet one-way delay: 213.230 ms

Loss rate: 4.02%

-- Flow 1:

Average throughput: 412.85 Mbit/s

95th percentile per-packet one-way delay: 213.149 ms

Loss rate: 3.96%

-- Flow 2:

Average throughput: 60.37 Mbit/s

95th percentile per-packet one-way delay: 213.680 ms

Loss rate: 4.60%

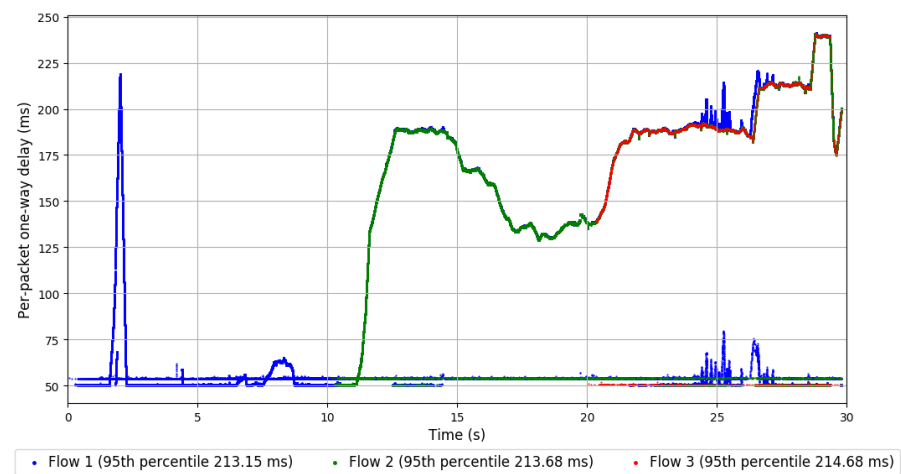
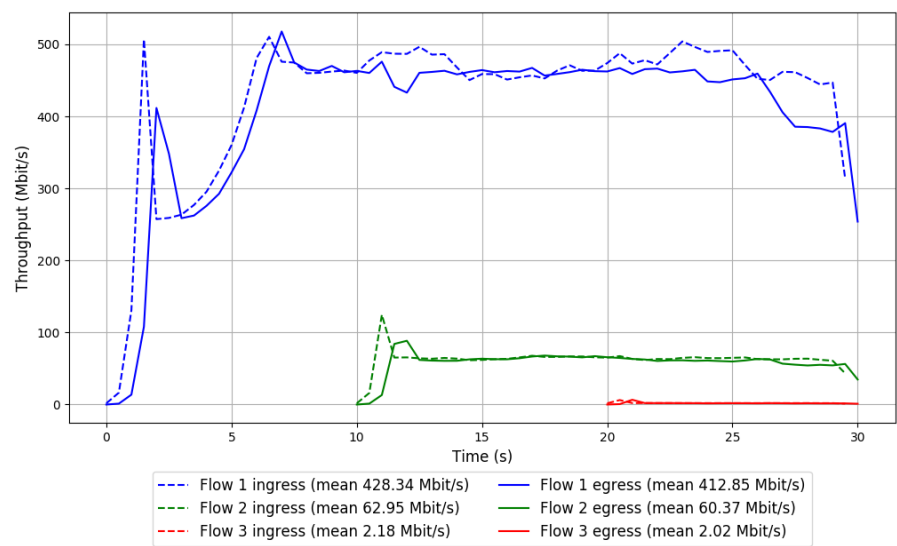
-- Flow 3:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 214.682 ms

Loss rate: 8.37%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-27 09:36:03

End at: 2018-07-27 09:36:33

Local clock offset: -0.214 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-27 14:44:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 416.35 Mbit/s

95th percentile per-packet one-way delay: 139.702 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 410.30 Mbit/s

95th percentile per-packet one-way delay: 140.178 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 140.321 ms

Loss rate: 0.63%

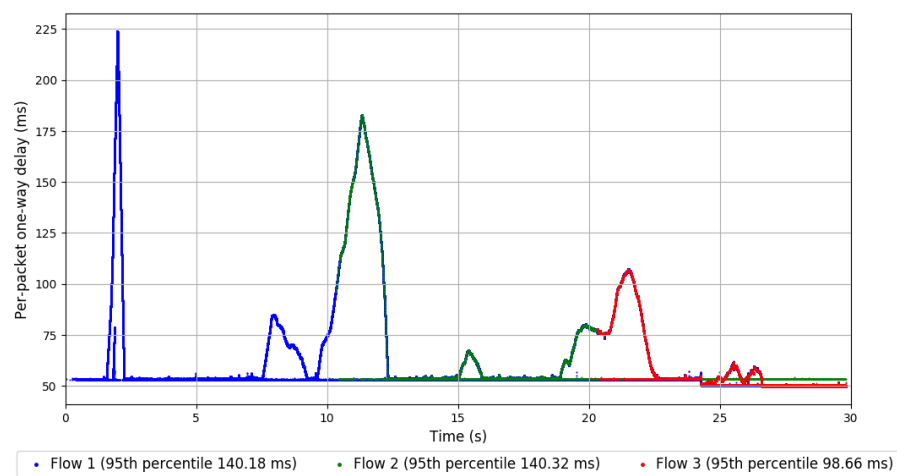
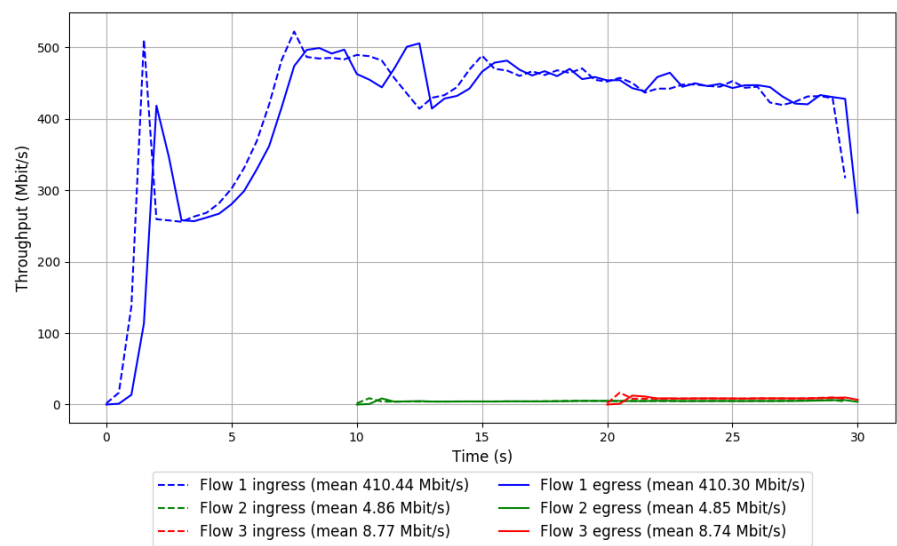
-- Flow 3:

Average throughput: 8.74 Mbit/s

95th percentile per-packet one-way delay: 98.662 ms

Loss rate: 1.35%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-27 10:00:55

End at: 2018-07-27 10:01:25

Local clock offset: -0.047 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-07-27 14:44:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 423.72 Mbit/s

95th percentile per-packet one-way delay: 200.982 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 411.76 Mbit/s

95th percentile per-packet one-way delay: 200.887 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 207.174 ms

Loss rate: 0.67%

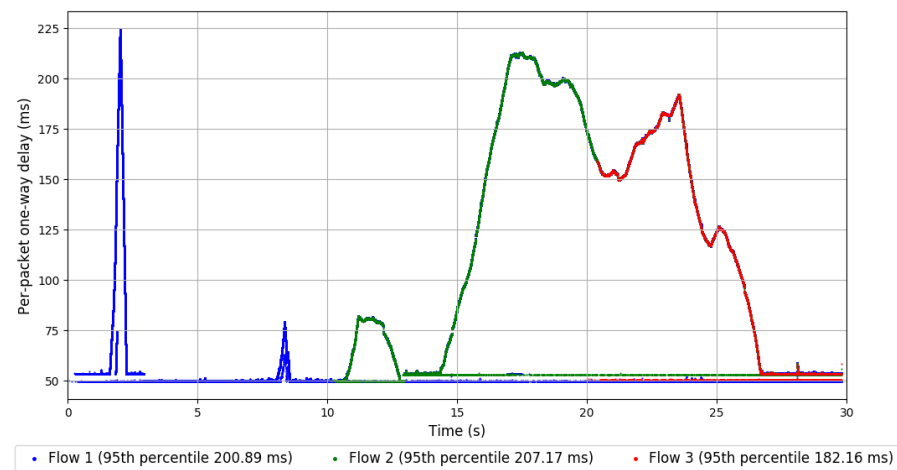
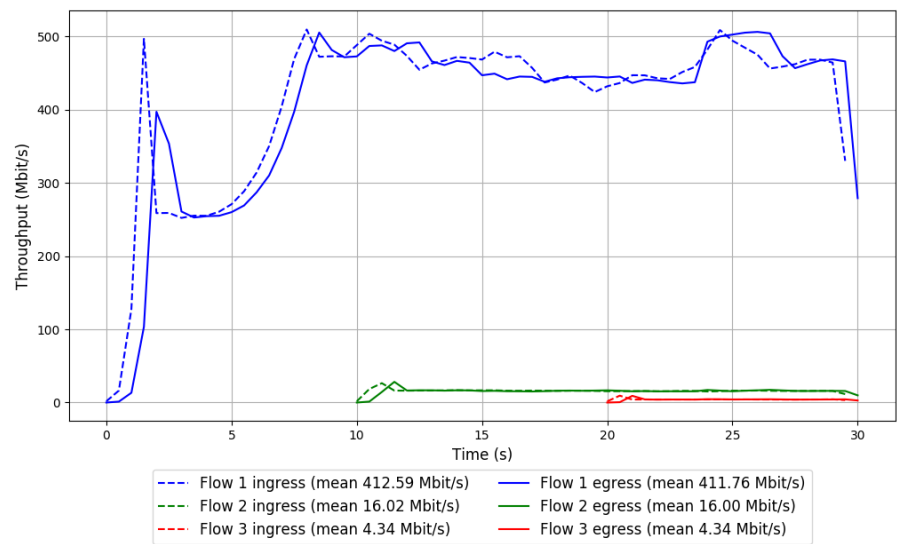
-- Flow 3:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 182.162 ms

Loss rate: 1.15%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-27 10:25:27

End at: 2018-07-27 10:25:57

Local clock offset: 0.113 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-27 14:45:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 432.58 Mbit/s

95th percentile per-packet one-way delay: 196.922 ms

Loss rate: 3.91%

-- Flow 1:

Average throughput: 384.99 Mbit/s

95th percentile per-packet one-way delay: 196.879 ms

Loss rate: 3.59%

-- Flow 2:

Average throughput: 43.46 Mbit/s

95th percentile per-packet one-way delay: 196.850 ms

Loss rate: 4.95%

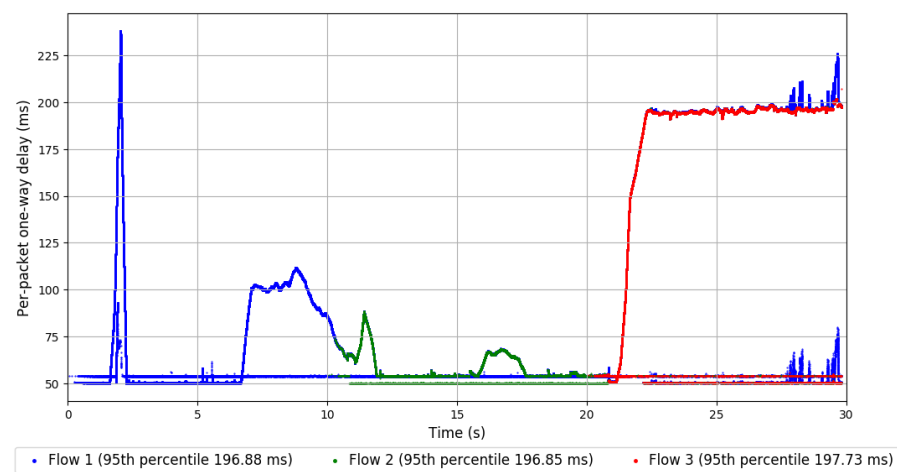
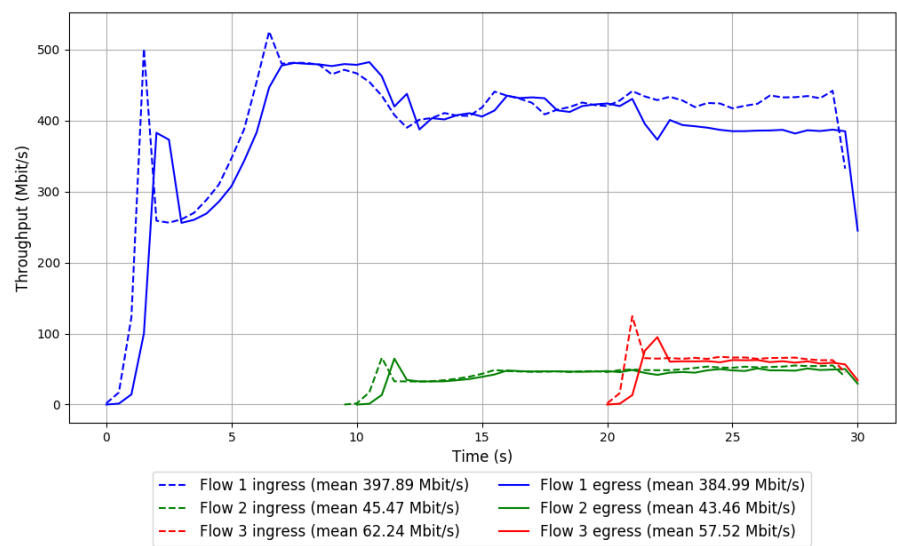
-- Flow 3:

Average throughput: 57.52 Mbit/s

95th percentile per-packet one-way delay: 197.727 ms

Loss rate: 8.51%

Run 6: Report of PCC-Allegro — Data Link

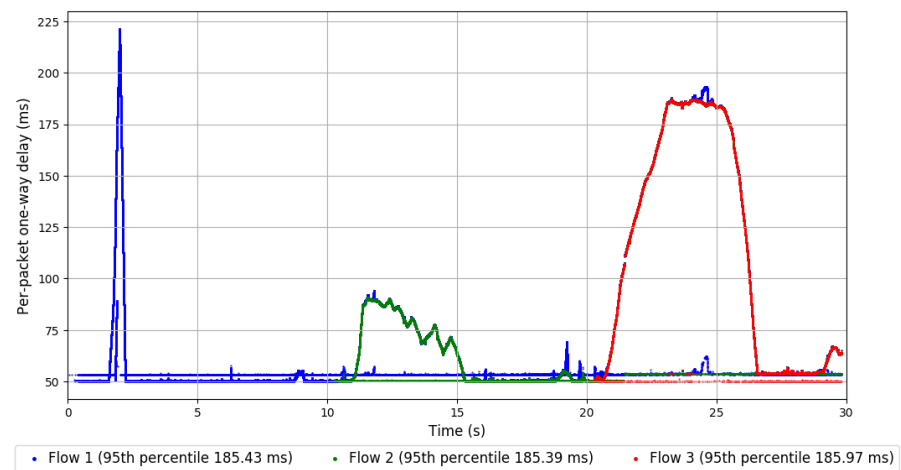
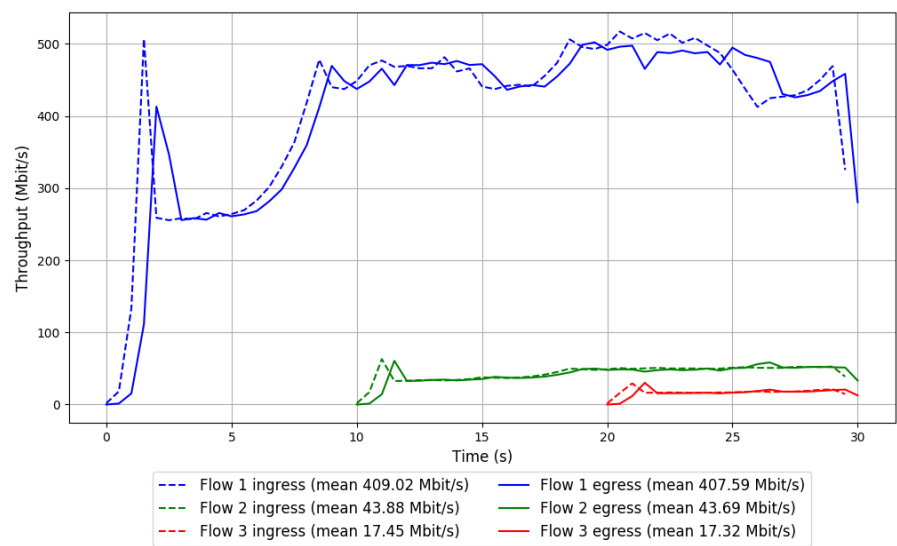


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-27 10:49:46
End at: 2018-07-27 10:50:16
Local clock offset: 0.121 ms
Remote clock offset: -0.099 ms

```
# Below is generated by plot.py at 2018-07-27 14:48:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.25 Mbit/s
95th percentile per-packet one-way delay: 185.432 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 407.59 Mbit/s
95th percentile per-packet one-way delay: 185.425 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 185.393 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 185.967 ms
Loss rate: 1.80%
```


Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-27 11:14:09

End at: 2018-07-27 11:14:39

Local clock offset: -0.024 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-07-27 14:48:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 431.25 Mbit/s

95th percentile per-packet one-way delay: 211.098 ms

Loss rate: 2.91%

-- Flow 1:

Average throughput: 397.24 Mbit/s

95th percentile per-packet one-way delay: 211.035 ms

Loss rate: 2.74%

-- Flow 2:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 211.305 ms

Loss rate: 3.94%

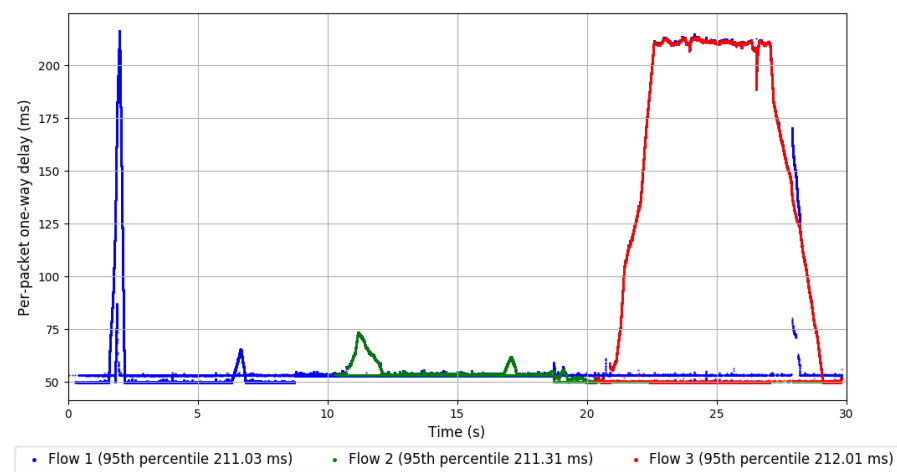
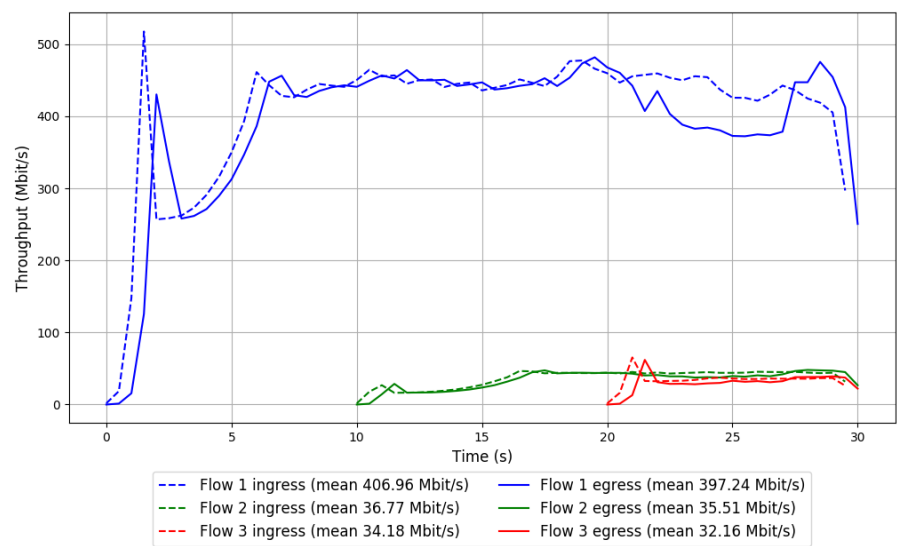
-- Flow 3:

Average throughput: 32.16 Mbit/s

95th percentile per-packet one-way delay: 212.009 ms

Loss rate: 6.87%

Run 8: Report of PCC-Allegro — Data Link

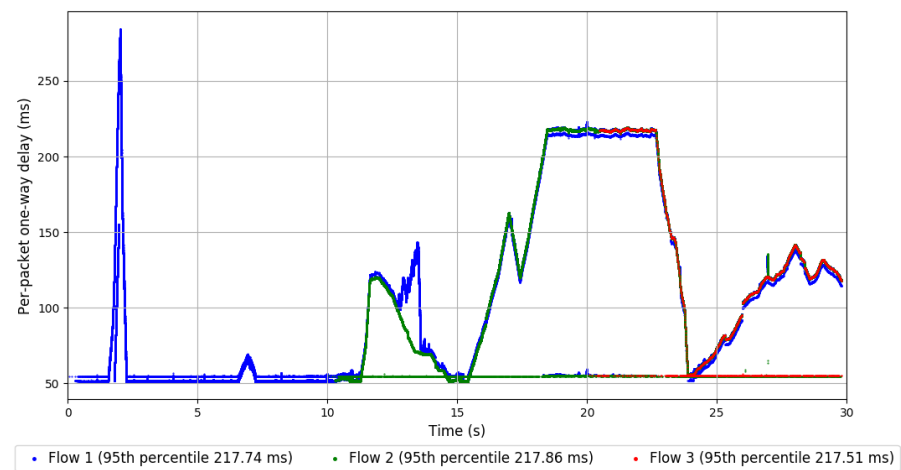
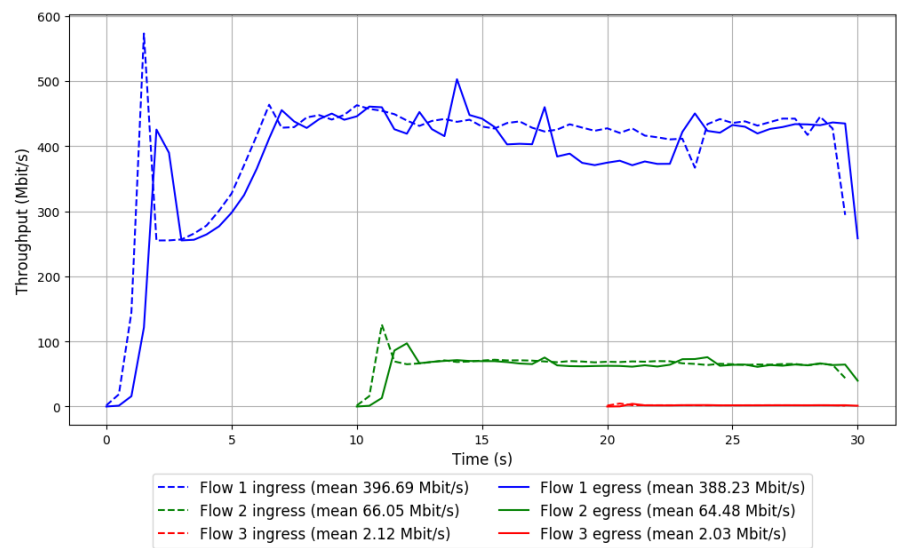


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-27 11:39:01
End at: 2018-07-27 11:39:31
Local clock offset: -0.086 ms
Remote clock offset: -1.271 ms

Below is generated by plot.py at 2018-07-27 14:52:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.66 Mbit/s
95th percentile per-packet one-way delay: 217.756 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 388.23 Mbit/s
95th percentile per-packet one-way delay: 217.740 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 64.48 Mbit/s
95th percentile per-packet one-way delay: 217.859 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 217.507 ms
Loss rate: 5.21%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-27 12:03:31

End at: 2018-07-27 12:04:01

Local clock offset: -0.16 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-27 14:52:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 422.34 Mbit/s

95th percentile per-packet one-way delay: 205.659 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 393.91 Mbit/s

95th percentile per-packet one-way delay: 205.692 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 34.86 Mbit/s

95th percentile per-packet one-way delay: 209.206 ms

Loss rate: 2.04%

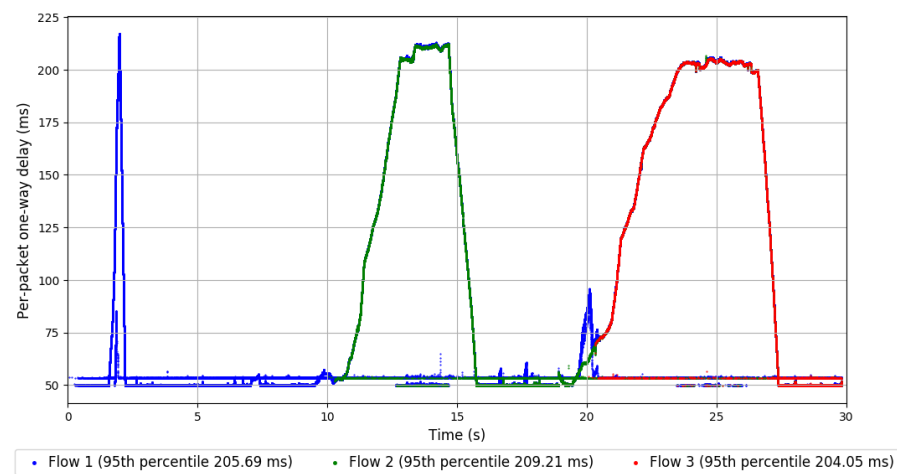
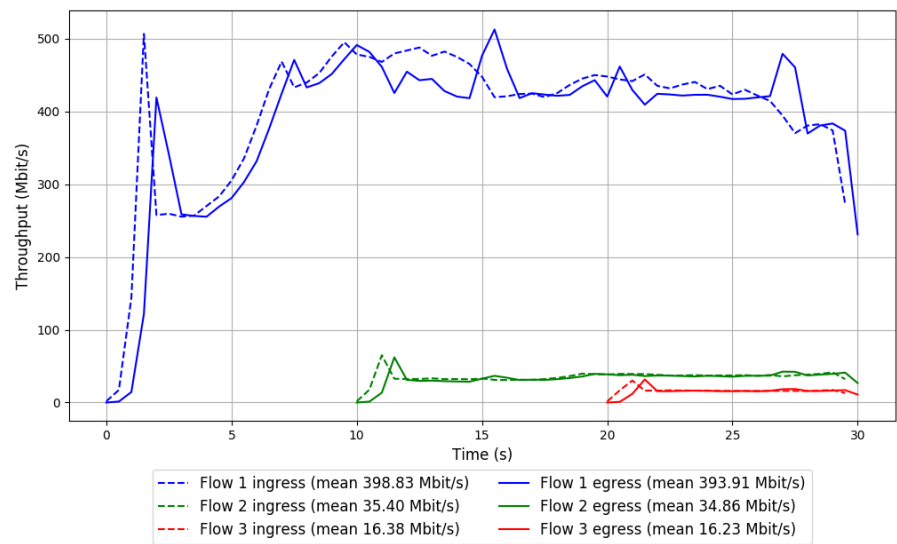
-- Flow 3:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 204.054 ms

Loss rate: 1.98%

Run 10: Report of PCC-Allegro — Data Link

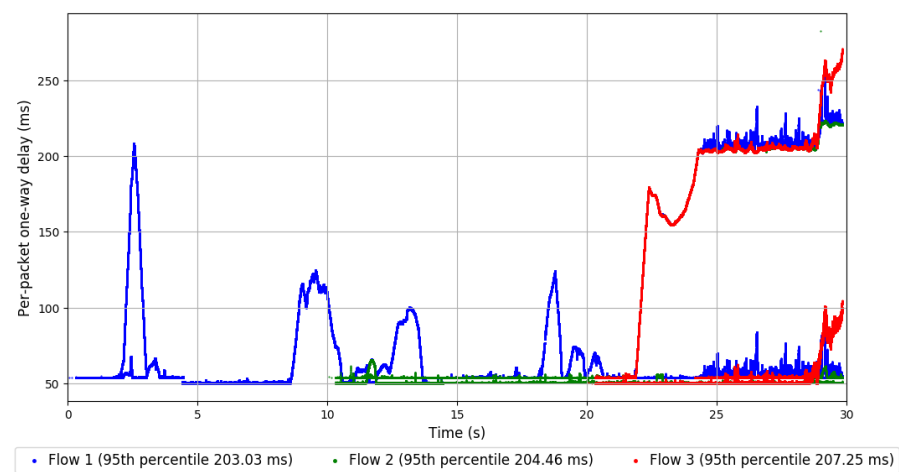
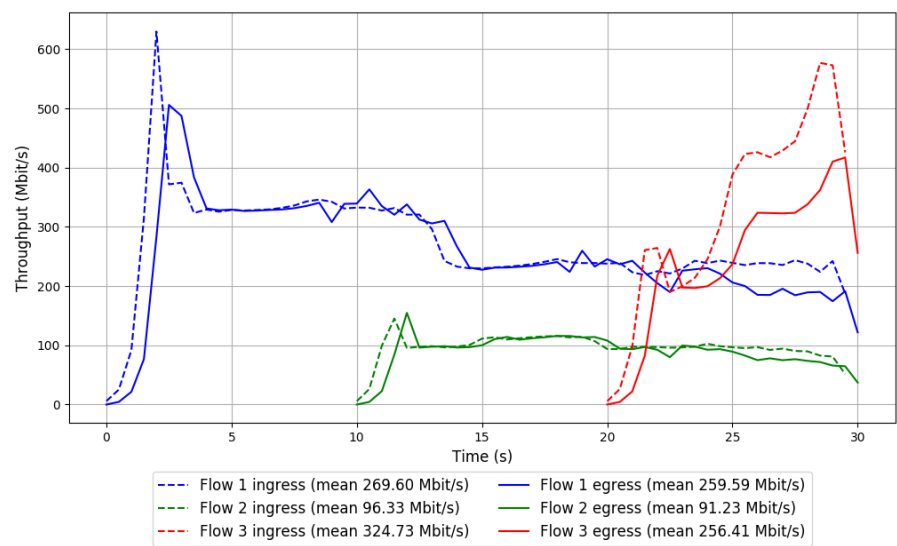


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-27 08:12:23
End at: 2018-07-27 08:12:53
Local clock offset: 0.222 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-07-27 15:00:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.20 Mbit/s
95th percentile per-packet one-way delay: 205.384 ms
Loss rate: 8.65%
-- Flow 1:
Average throughput: 259.59 Mbit/s
95th percentile per-packet one-way delay: 203.030 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 204.455 ms
Loss rate: 5.80%
-- Flow 3:
Average throughput: 256.41 Mbit/s
95th percentile per-packet one-way delay: 207.245 ms
Loss rate: 21.88%
```


Run 1: Report of PCC-Expr — Data Link

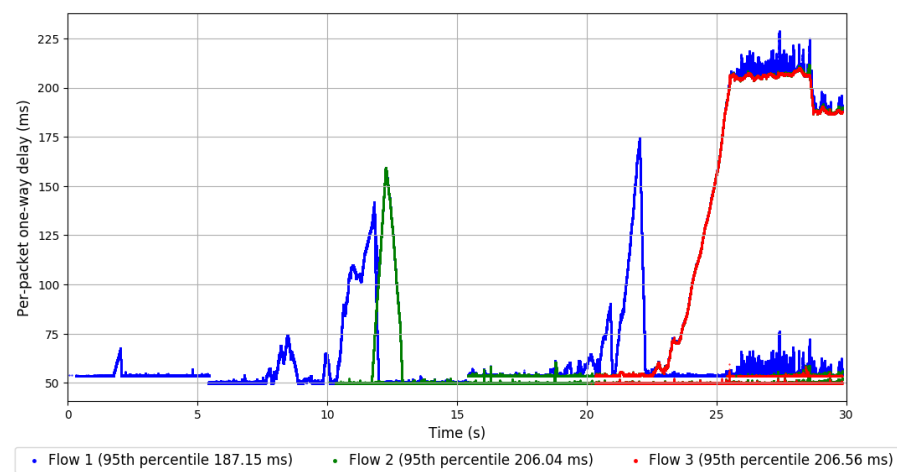
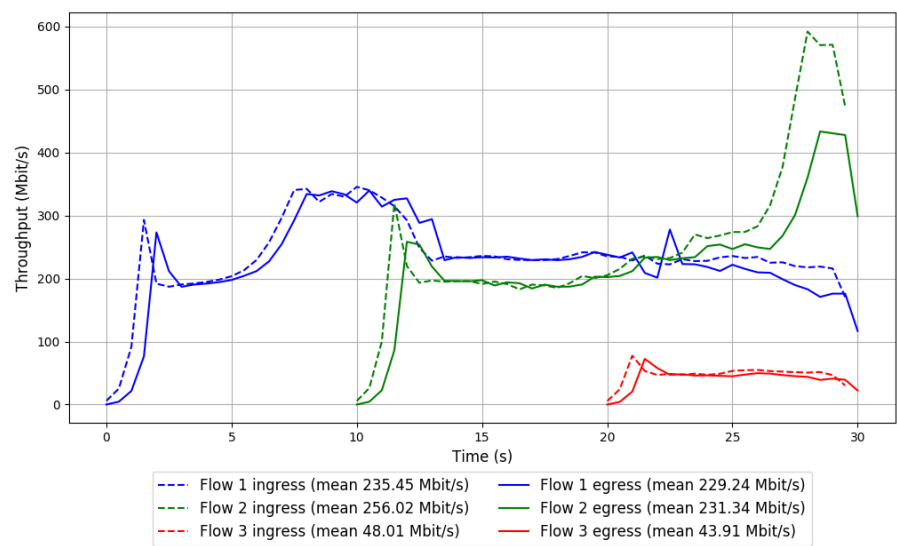


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-27 08:36:52
End at: 2018-07-27 08:37:22
Local clock offset: -0.012 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-07-27 15:00:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.24 Mbit/s
95th percentile per-packet one-way delay: 205.173 ms
Loss rate: 6.11%
-- Flow 1:
Average throughput: 229.24 Mbit/s
95th percentile per-packet one-way delay: 187.145 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 231.34 Mbit/s
95th percentile per-packet one-way delay: 206.044 ms
Loss rate: 10.11%
-- Flow 3:
Average throughput: 43.91 Mbit/s
95th percentile per-packet one-way delay: 206.559 ms
Loss rate: 9.50%
```

Run 2: Report of PCC-Expr — Data Link

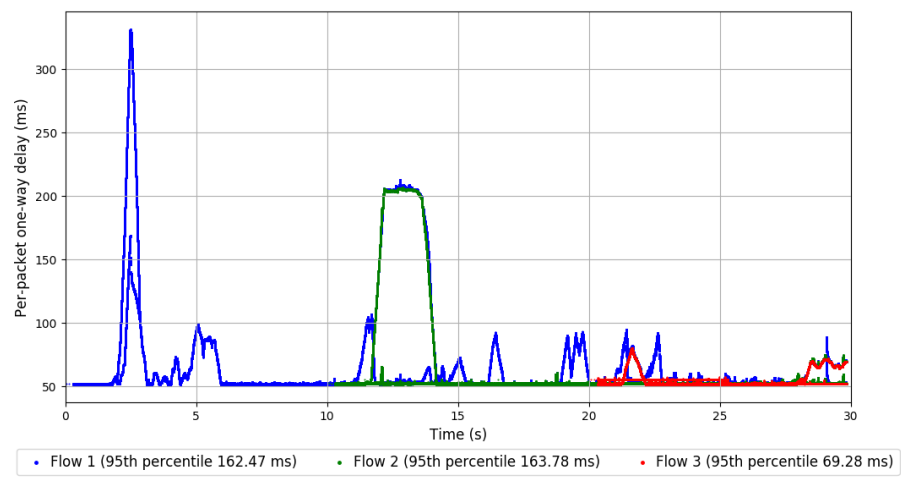
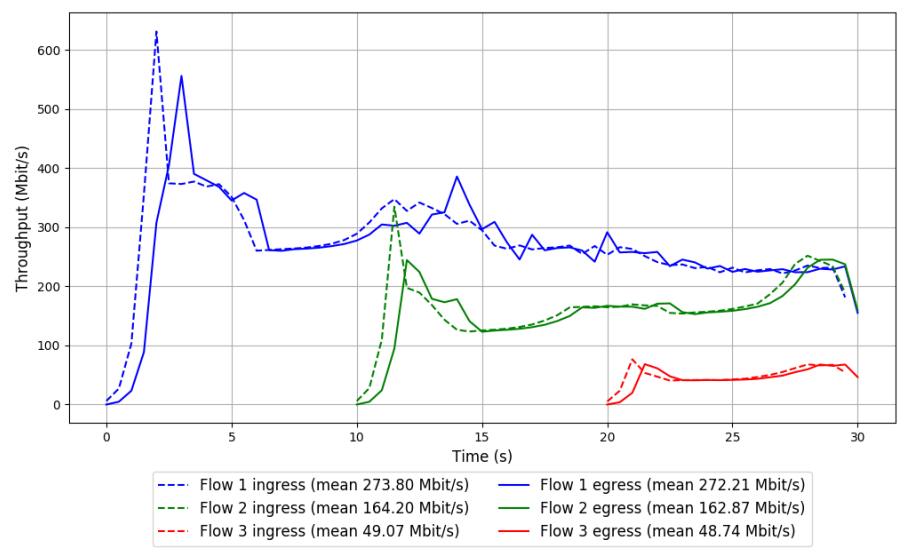


Run 3: Statistics of PCC-Expr

Start at: 2018-07-27 09:01:12
End at: 2018-07-27 09:01:42
Local clock offset: 0.174 ms
Remote clock offset: -1.364 ms

Below is generated by plot.py at 2018-07-27 15:00:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.29 Mbit/s
95th percentile per-packet one-way delay: 155.958 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 272.21 Mbit/s
95th percentile per-packet one-way delay: 162.471 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 162.87 Mbit/s
95th percentile per-packet one-way delay: 163.785 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 69.279 ms
Loss rate: 1.77%

Run 3: Report of PCC-Expr — Data Link

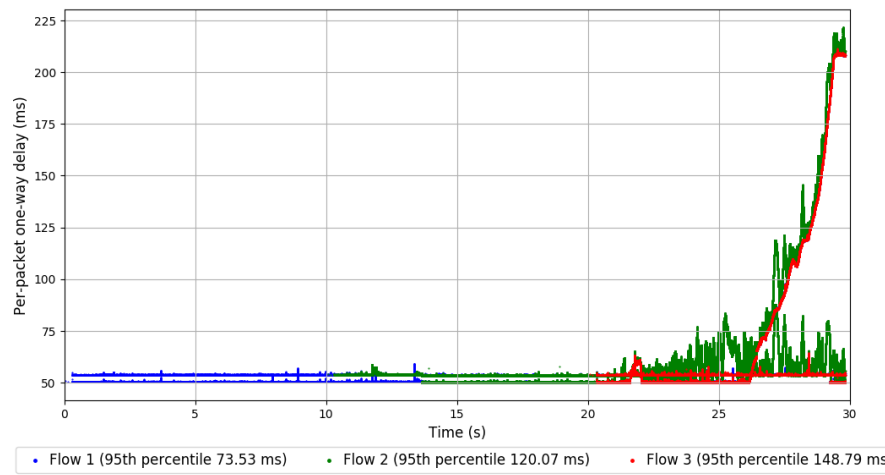
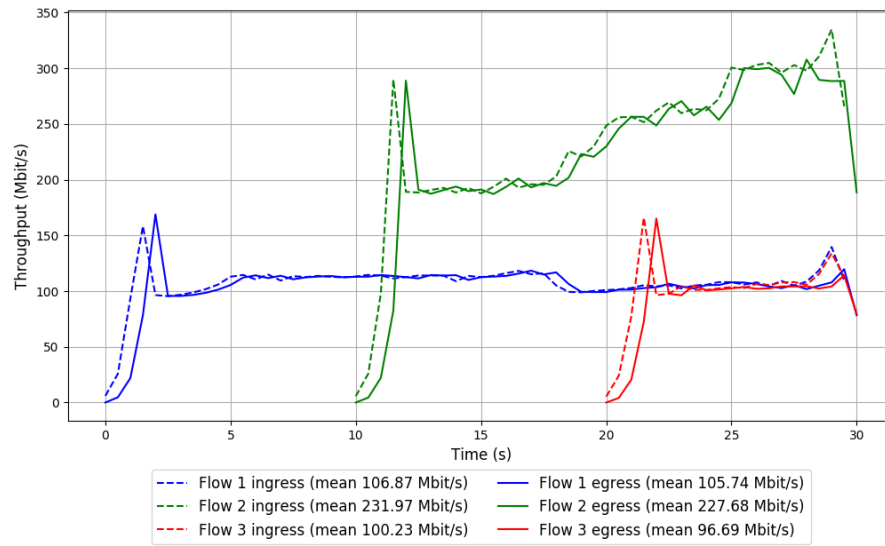


Run 4: Statistics of PCC-Expr

Start at: 2018-07-27 09:25:44
End at: 2018-07-27 09:26:14
Local clock offset: 0.003 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-27 15:00:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.55 Mbit/s
95th percentile per-packet one-way delay: 115.459 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 105.74 Mbit/s
95th percentile per-packet one-way delay: 73.531 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 227.68 Mbit/s
95th percentile per-packet one-way delay: 120.074 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 148.792 ms
Loss rate: 4.59%

Run 4: Report of PCC-Expr — Data Link

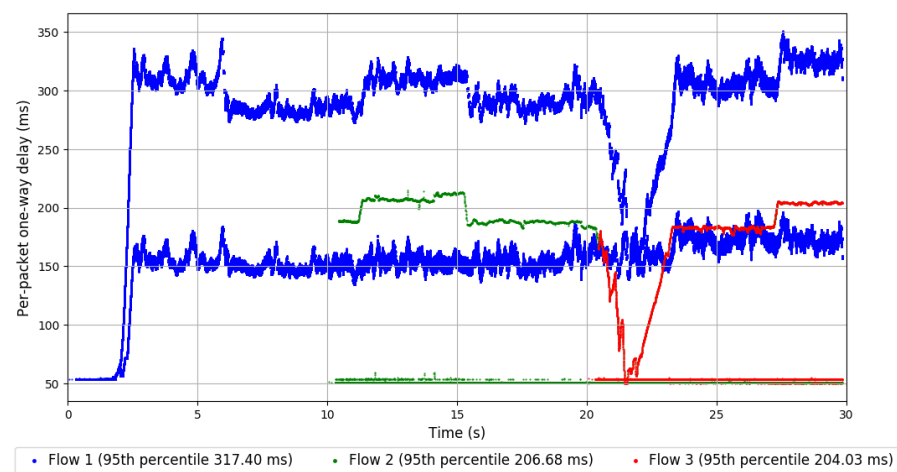
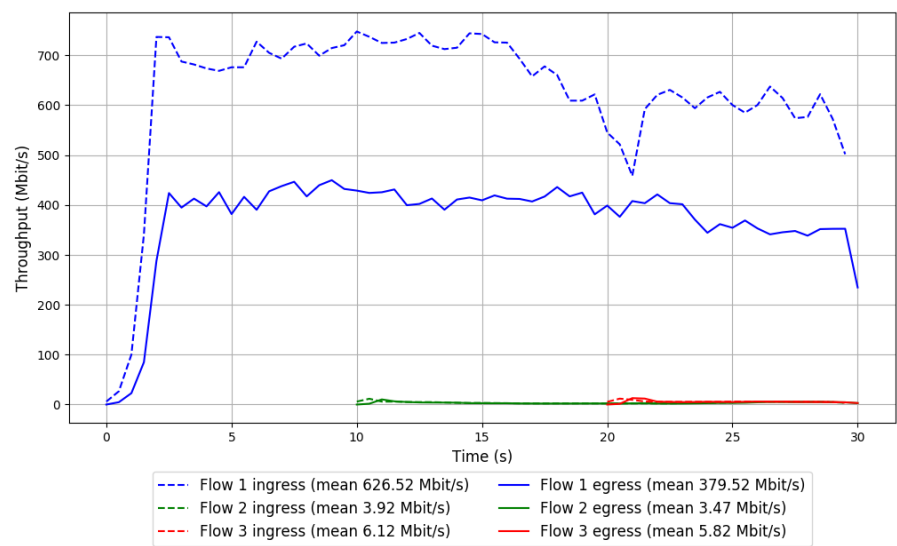


Run 5: Statistics of PCC-Expr

Start at: 2018-07-27 09:50:18
End at: 2018-07-27 09:50:48
Local clock offset: -0.109 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-27 15:09:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.69 Mbit/s
95th percentile per-packet one-way delay: 317.232 ms
Loss rate: 39.42%
-- Flow 1:
Average throughput: 379.52 Mbit/s
95th percentile per-packet one-way delay: 317.398 ms
Loss rate: 39.64%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 206.679 ms
Loss rate: 11.98%
-- Flow 3:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 204.035 ms
Loss rate: 5.95%

Run 5: Report of PCC-Expr — Data Link

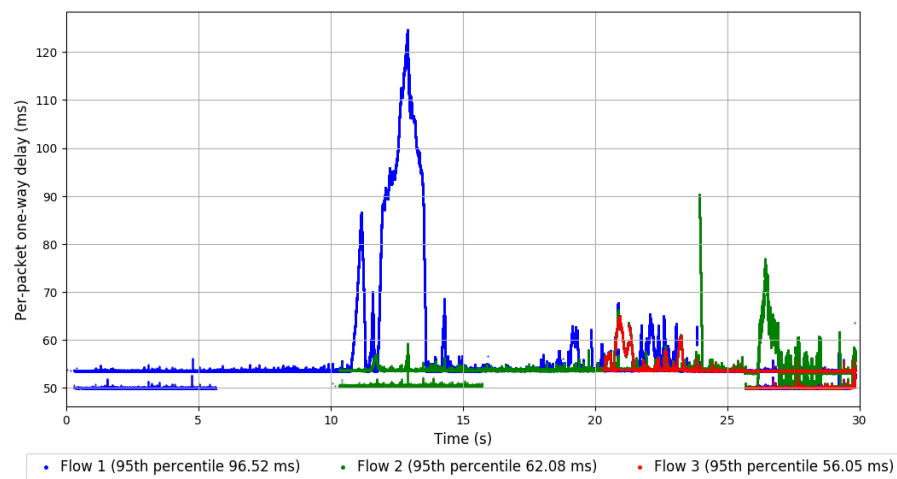
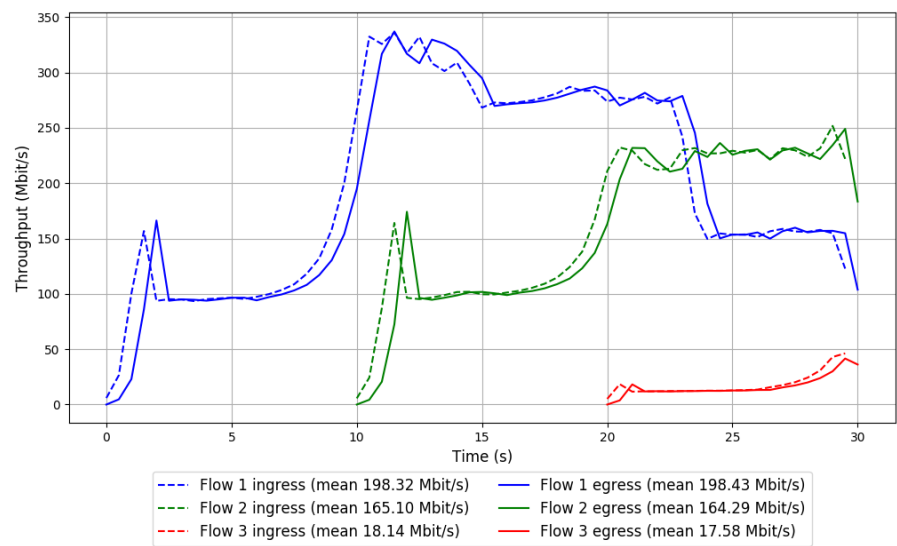


Run 6: Statistics of PCC-Expr

Start at: 2018-07-27 10:15:12
End at: 2018-07-27 10:15:42
Local clock offset: -0.104 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-27 15:09:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.26 Mbit/s
95th percentile per-packet one-way delay: 89.623 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 198.43 Mbit/s
95th percentile per-packet one-way delay: 96.518 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 164.29 Mbit/s
95th percentile per-packet one-way delay: 62.081 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 56.046 ms
Loss rate: 4.14%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-27 10:39:40

End at: 2018-07-27 10:40:10

Local clock offset: -0.134 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-27 15:09:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.34 Mbit/s

95th percentile per-packet one-way delay: 54.353 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 104.12 Mbit/s

95th percentile per-packet one-way delay: 53.548 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 53.800 ms

Loss rate: 0.39%

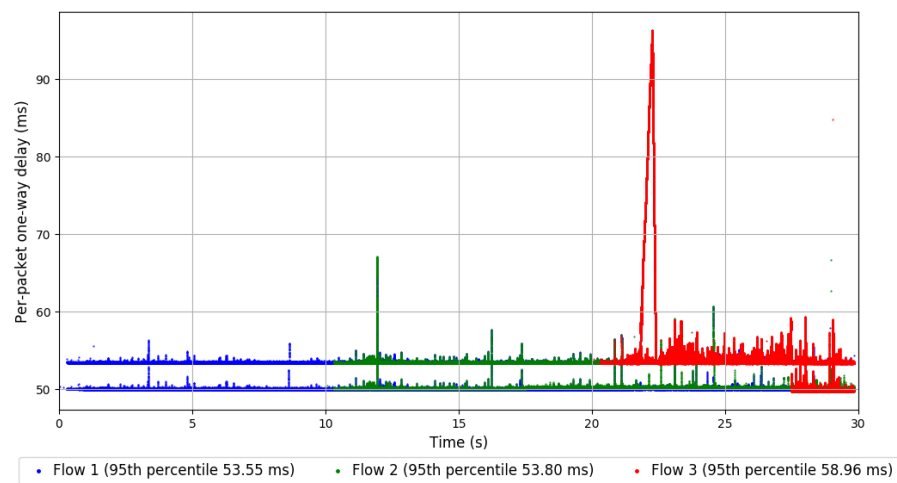
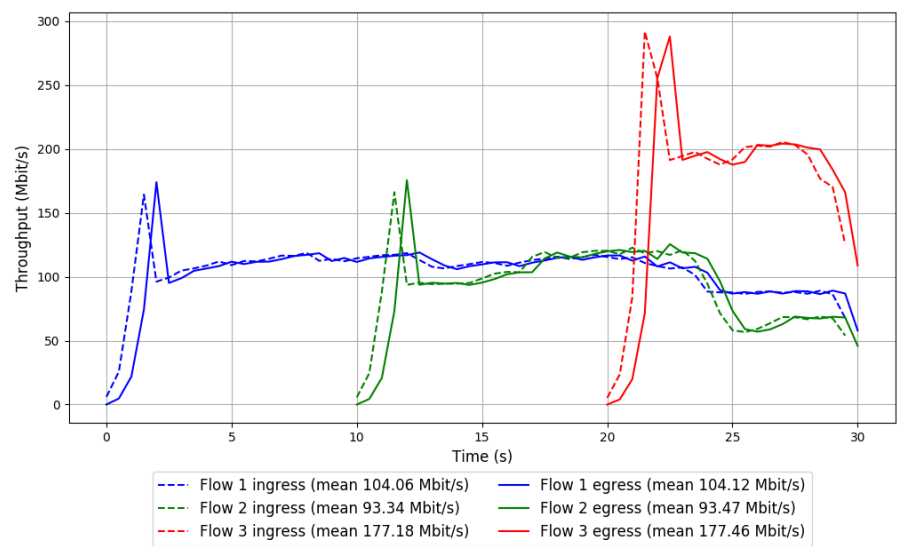
-- Flow 3:

Average throughput: 177.46 Mbit/s

95th percentile per-packet one-way delay: 58.964 ms

Loss rate: 0.94%

Run 7: Report of PCC-Expr — Data Link

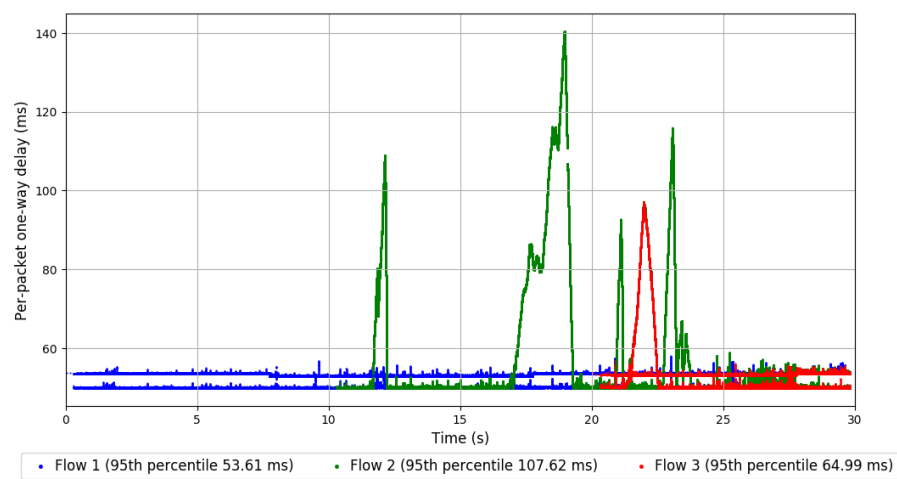
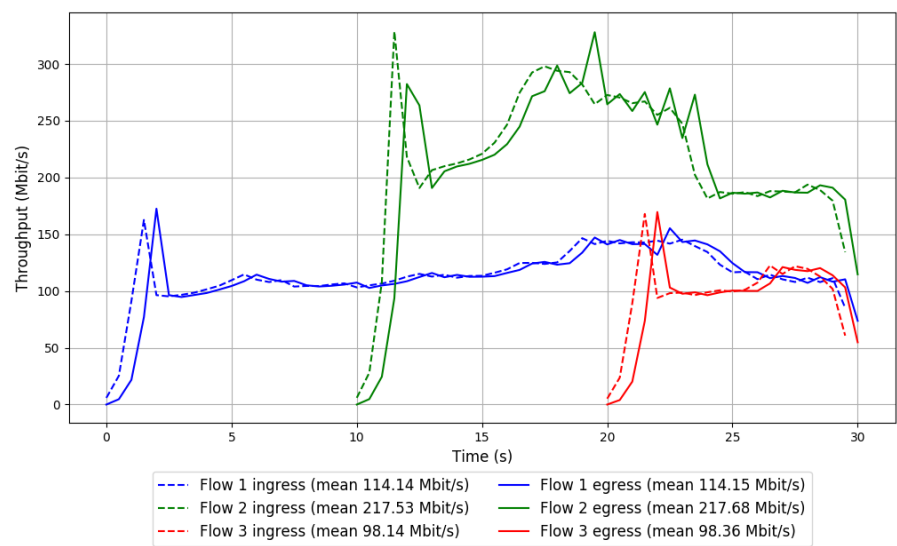


Run 8: Statistics of PCC-Expr

Start at: 2018-07-27 11:04:00
End at: 2018-07-27 11:04:30
Local clock offset: -0.188 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-27 15:09:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.91 Mbit/s
95th percentile per-packet one-way delay: 89.715 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 114.15 Mbit/s
95th percentile per-packet one-way delay: 53.613 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 217.68 Mbit/s
95th percentile per-packet one-way delay: 107.620 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 98.36 Mbit/s
95th percentile per-packet one-way delay: 64.986 ms
Loss rate: 0.83%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-27 11:28:31

End at: 2018-07-27 11:29:01

Local clock offset: -0.09 ms

Remote clock offset: 1.24 ms

Below is generated by plot.py at 2018-07-27 15:13:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.86 Mbit/s

95th percentile per-packet one-way delay: 215.707 ms

Loss rate: 3.84%

-- Flow 1:

Average throughput: 244.12 Mbit/s

95th percentile per-packet one-way delay: 217.849 ms

Loss rate: 3.61%

-- Flow 2:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 212.332 ms

Loss rate: 3.24%

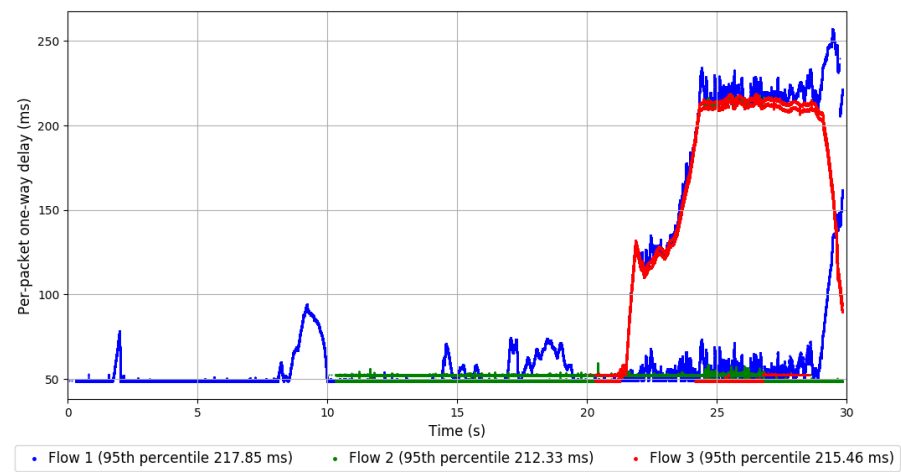
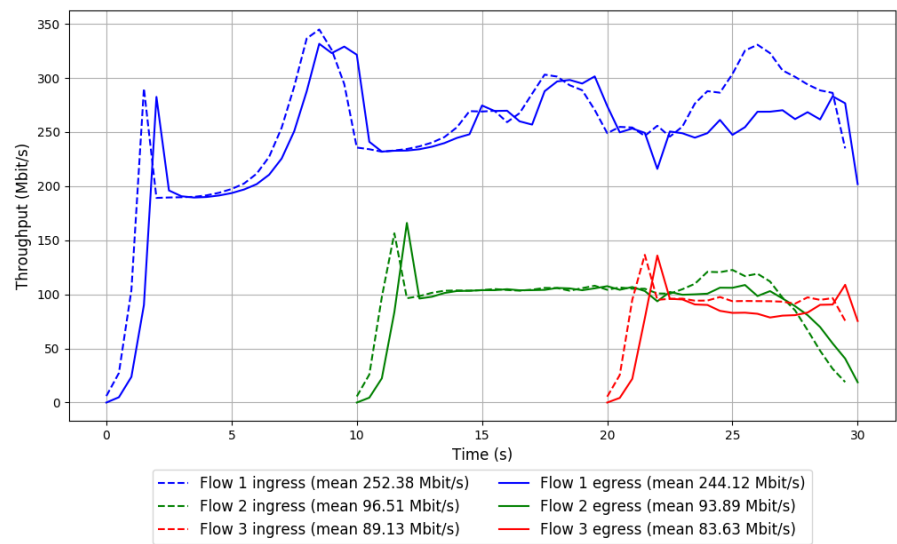
-- Flow 3:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 215.455 ms

Loss rate: 7.19%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-27 11:53:13

End at: 2018-07-27 11:53:43

Local clock offset: 0.048 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-07-27 15:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.77 Mbit/s

95th percentile per-packet one-way delay: 172.829 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 236.06 Mbit/s

95th percentile per-packet one-way delay: 174.826 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 72.503 ms

Loss rate: 0.51%

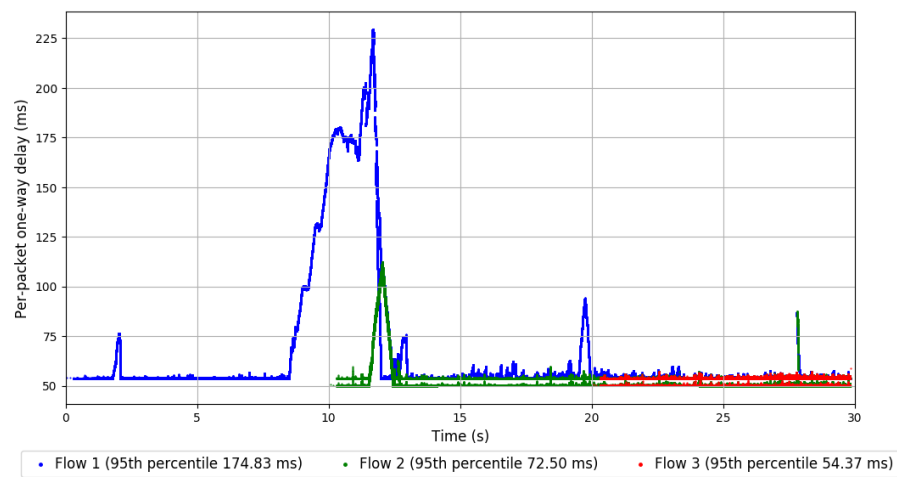
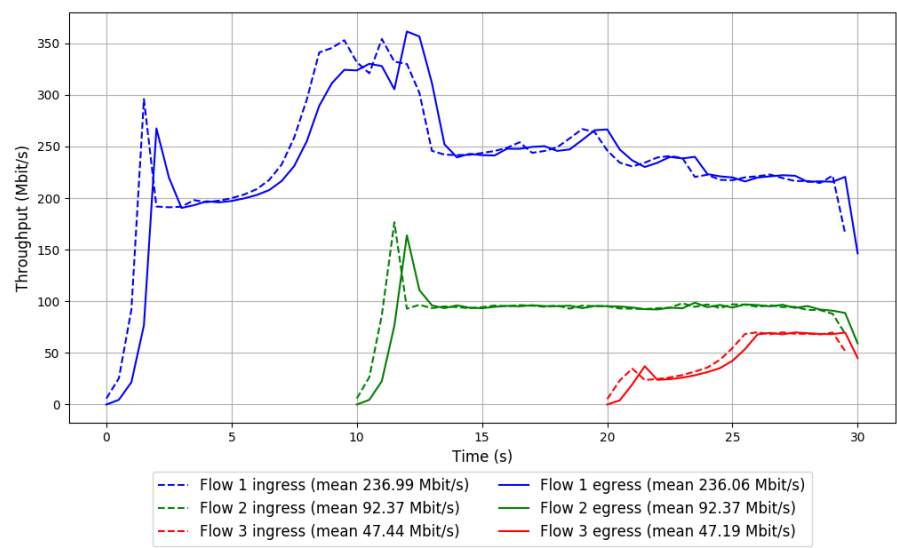
-- Flow 3:

Average throughput: 47.19 Mbit/s

95th percentile per-packet one-way delay: 54.365 ms

Loss rate: 1.46%

Run 10: Report of PCC-Expr — Data Link

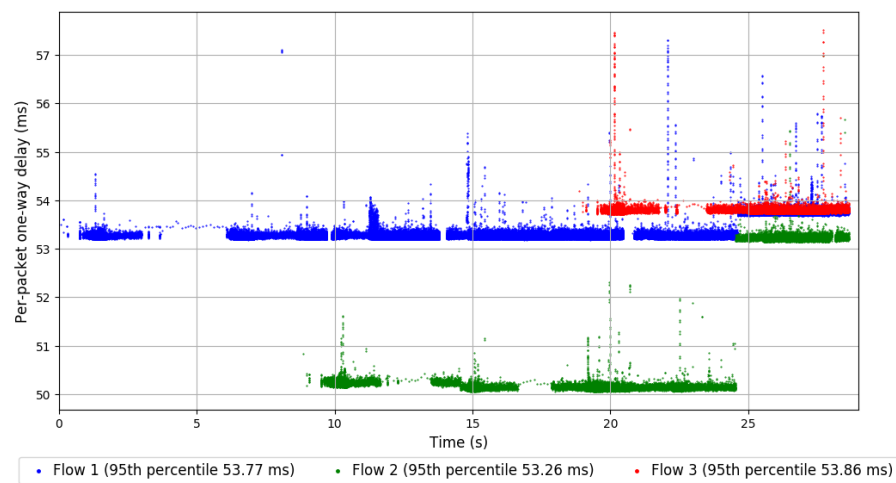
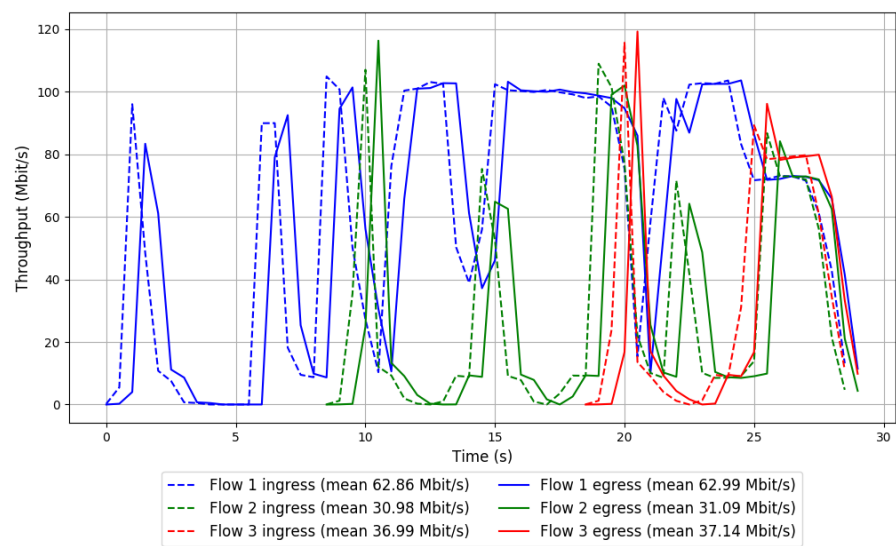


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-27 08:10:02
End at: 2018-07-27 08:10:32
Local clock offset: -0.047 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-07-27 15:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 53.804 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 53.770 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 53.255 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 53.864 ms
Loss rate: 0.71%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-27 08:34:30

End at: 2018-07-27 08:35:00

Local clock offset: 0.021 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-27 15:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 53.191 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 52.72 Mbit/s

95th percentile per-packet one-way delay: 50.341 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 53.199 ms

Loss rate: 0.60%

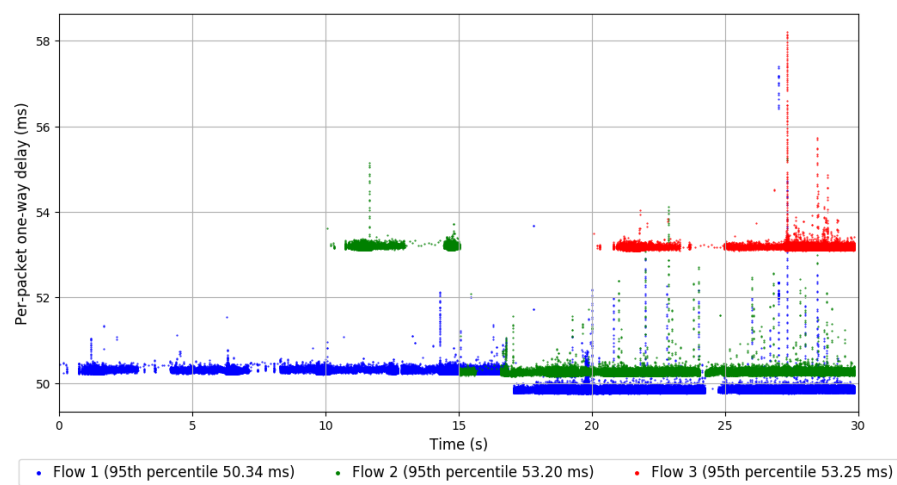
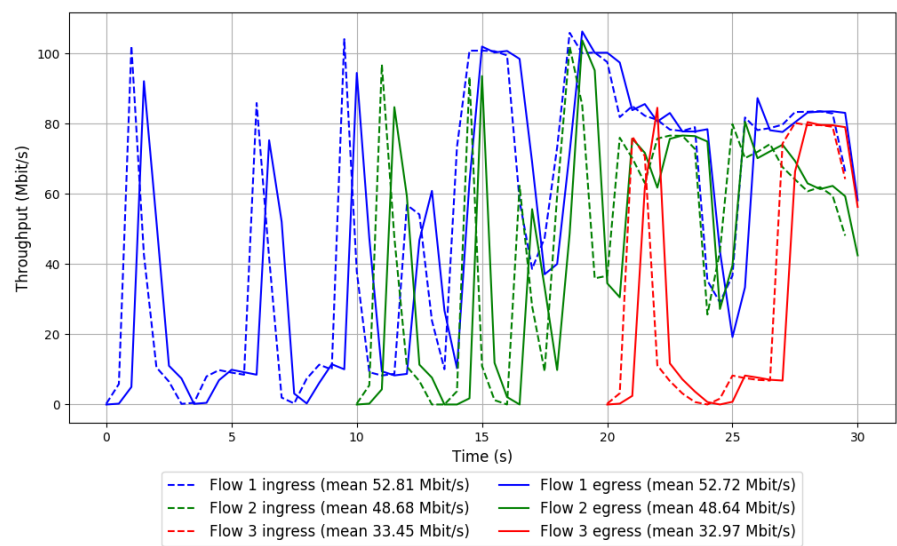
-- Flow 3:

Average throughput: 32.97 Mbit/s

95th percentile per-packet one-way delay: 53.246 ms

Loss rate: 2.50%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-27 08:58:50

End at: 2018-07-27 08:59:20

Local clock offset: 0.21 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 53.808 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 68.85 Mbit/s

95th percentile per-packet one-way delay: 53.826 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 30.80 Mbit/s

95th percentile per-packet one-way delay: 53.727 ms

Loss rate: 0.93%

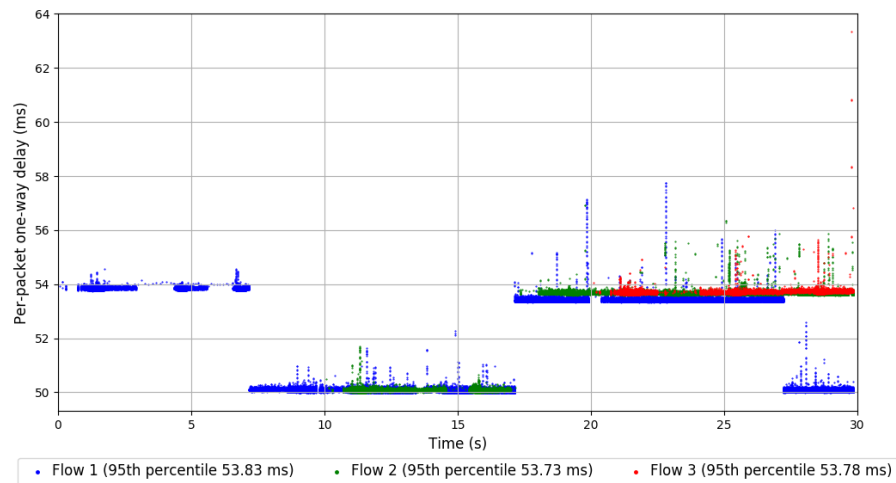
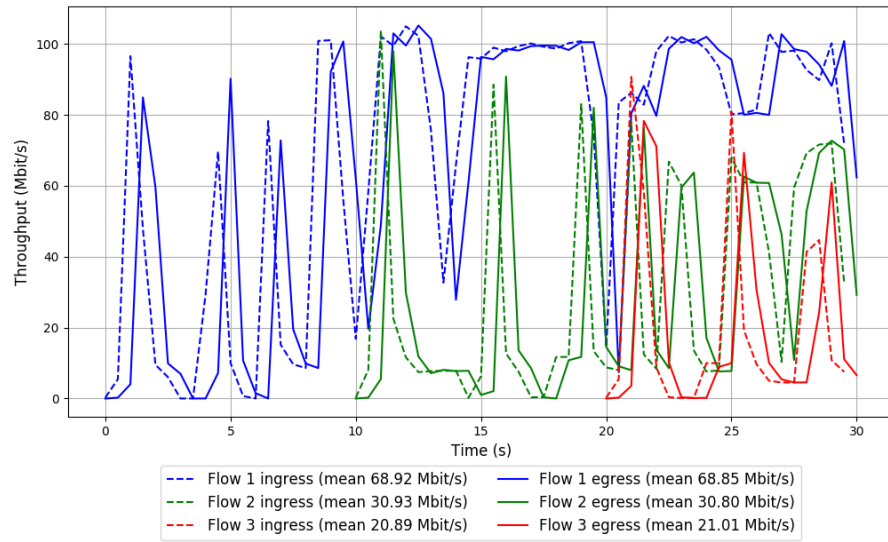
-- Flow 3:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 53.784 ms

Loss rate: 0.48%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-27 09:23:22

End at: 2018-07-27 09:23:52

Local clock offset: -0.024 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.27 Mbit/s

95th percentile per-packet one-way delay: 53.559 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 63.61 Mbit/s

95th percentile per-packet one-way delay: 50.189 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 43.07 Mbit/s

95th percentile per-packet one-way delay: 53.607 ms

Loss rate: 0.88%

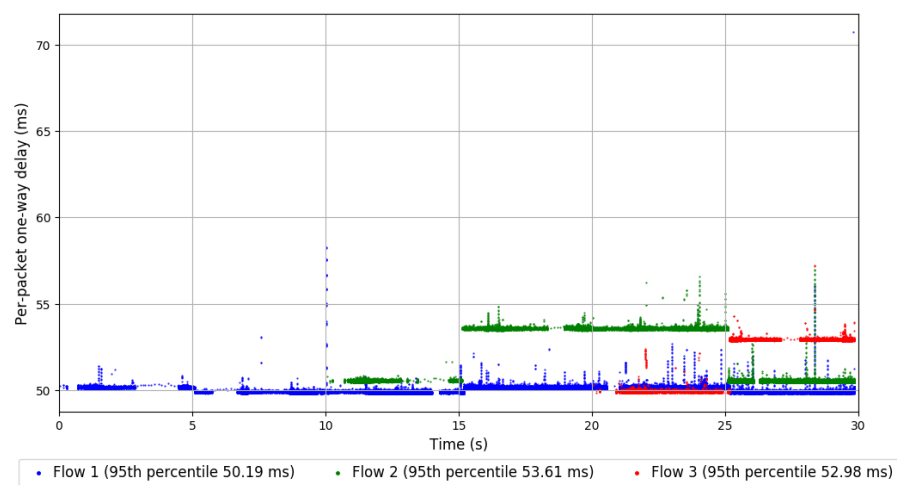
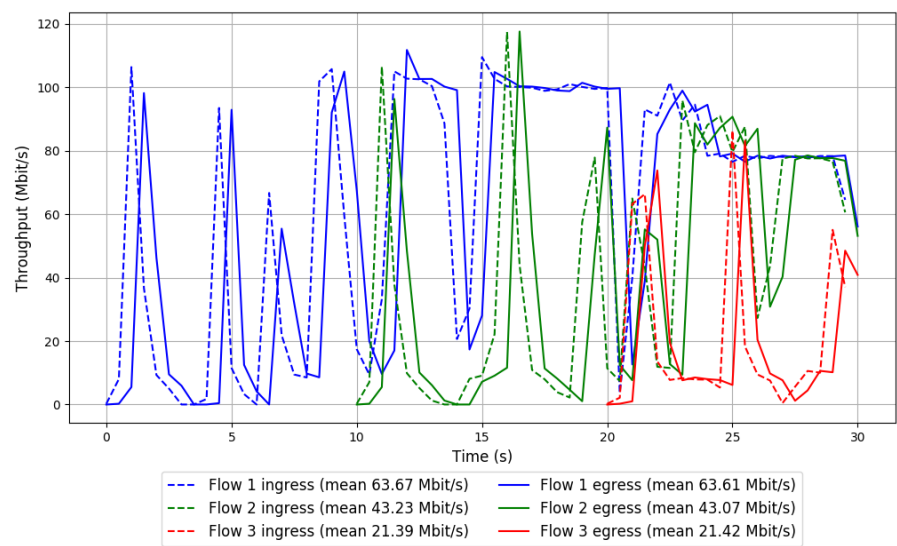
-- Flow 3:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 52.979 ms

Loss rate: 0.89%

Run 4: Report of QUIC Cubic — Data Link

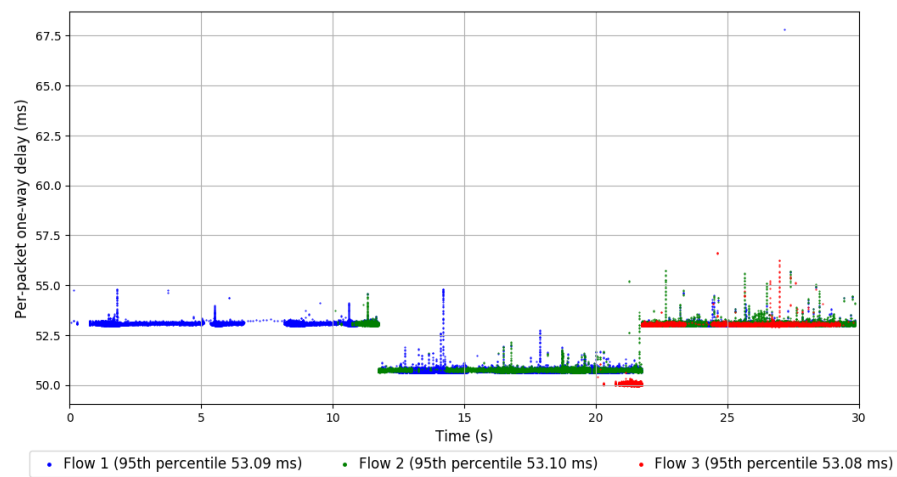
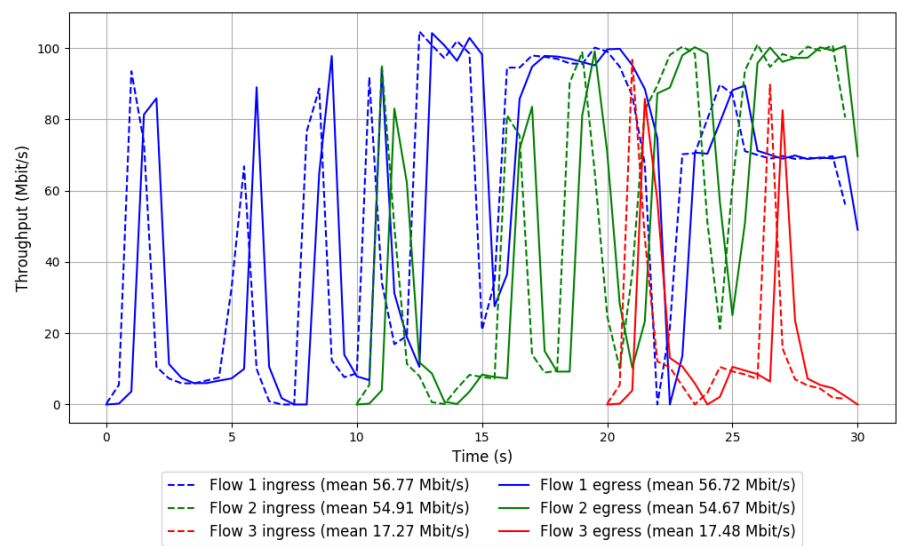


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-27 09:47:56
End at: 2018-07-27 09:48:26
Local clock offset: -0.106 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.70 Mbit/s
95th percentile per-packet one-way delay: 53.093 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 53.092 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 53.096 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 53.076 ms
Loss rate: 0.48%

Run 5: Report of QUIC Cubic — Data Link

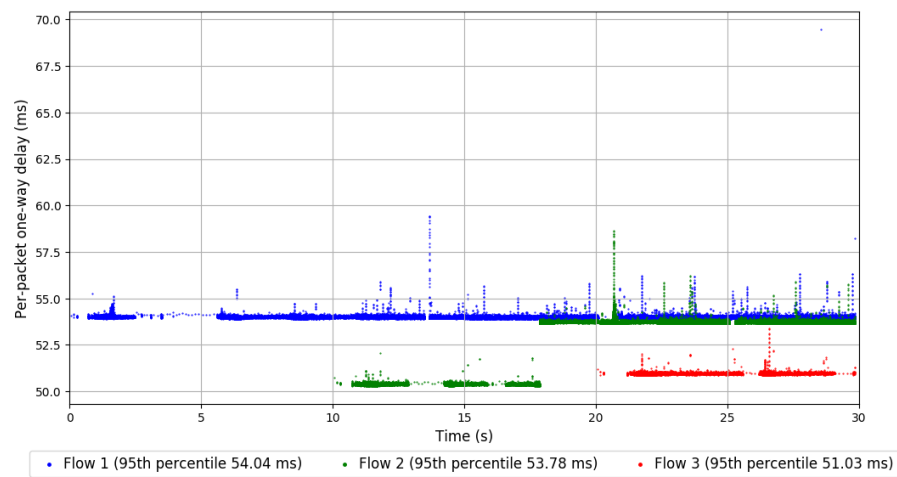
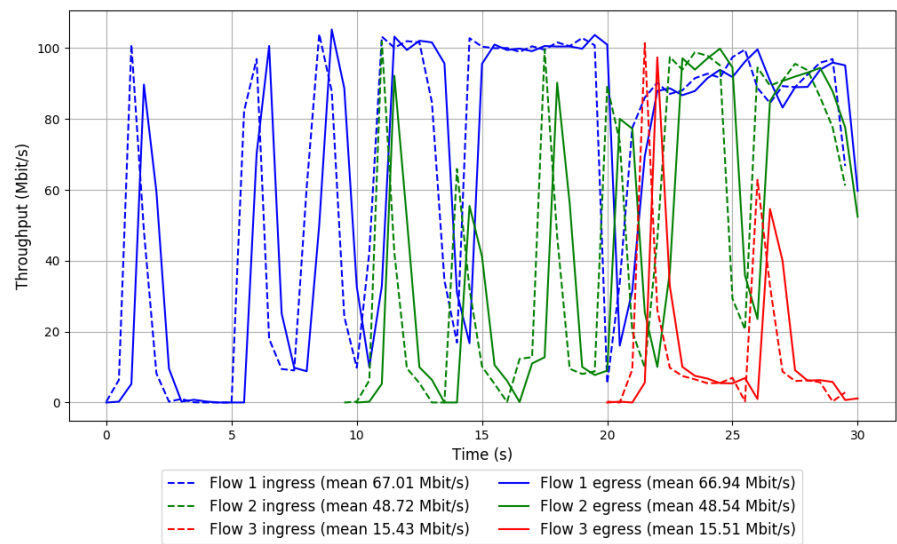


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-27 10:12:50
End at: 2018-07-27 10:13:20
Local clock offset: 0.071 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.28 Mbit/s
95th percentile per-packet one-way delay: 54.030 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 66.94 Mbit/s
95th percentile per-packet one-way delay: 54.043 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 53.784 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 0.56%

Run 6: Report of QUIC Cubic — Data Link

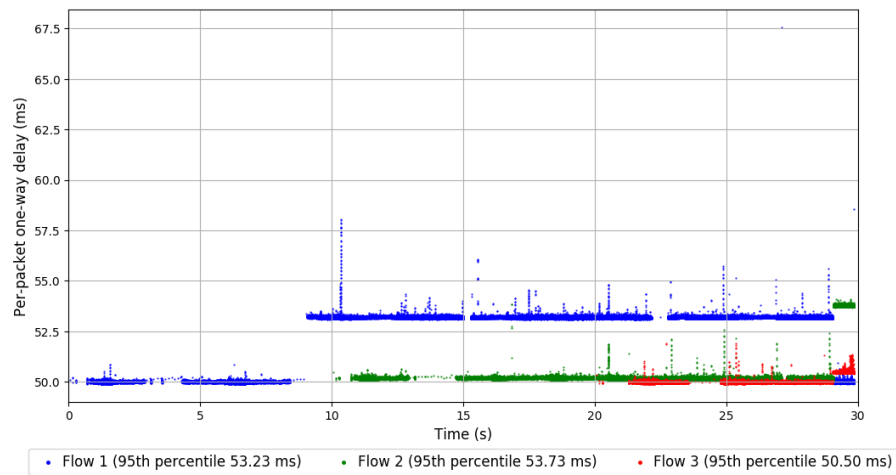
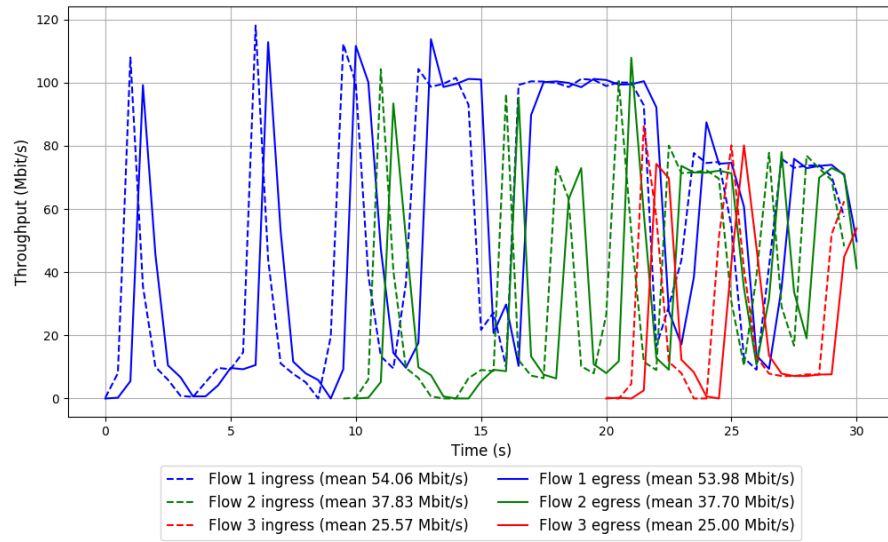


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-27 10:37:18
End at: 2018-07-27 10:37:48
Local clock offset: -0.021 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 53.234 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 53.98 Mbit/s
95th percentile per-packet one-way delay: 53.234 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 53.726 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 50.503 ms
Loss rate: 3.27%

Run 7: Report of QUIC Cubic — Data Link

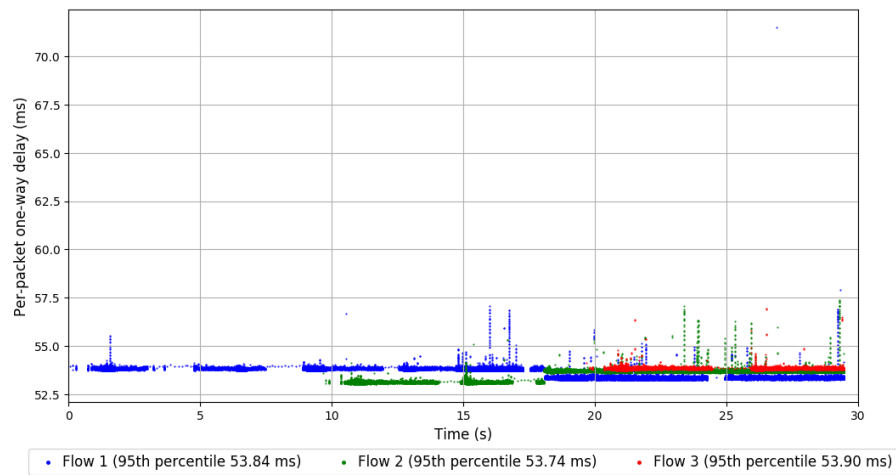
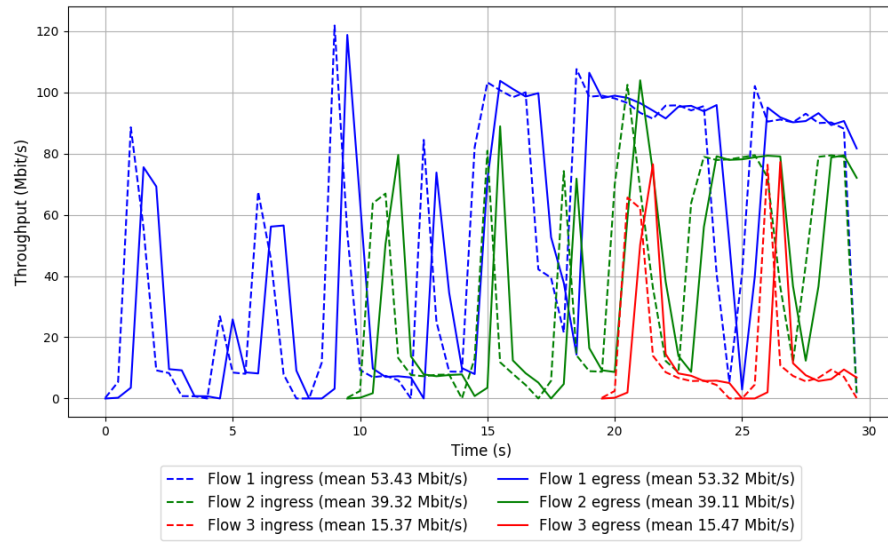


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-27 11:01:39
End at: 2018-07-27 11:02:09
Local clock offset: -0.006 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 53.844 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 53.739 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 53.902 ms
Loss rate: 0.45%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-27 11:26:10

End at: 2018-07-27 11:26:40

Local clock offset: 0.088 ms

Remote clock offset: 1.252 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.38 Mbit/s

95th percentile per-packet one-way delay: 52.666 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 46.26 Mbit/s

95th percentile per-packet one-way delay: 51.916 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 52.701 ms

Loss rate: 0.92%

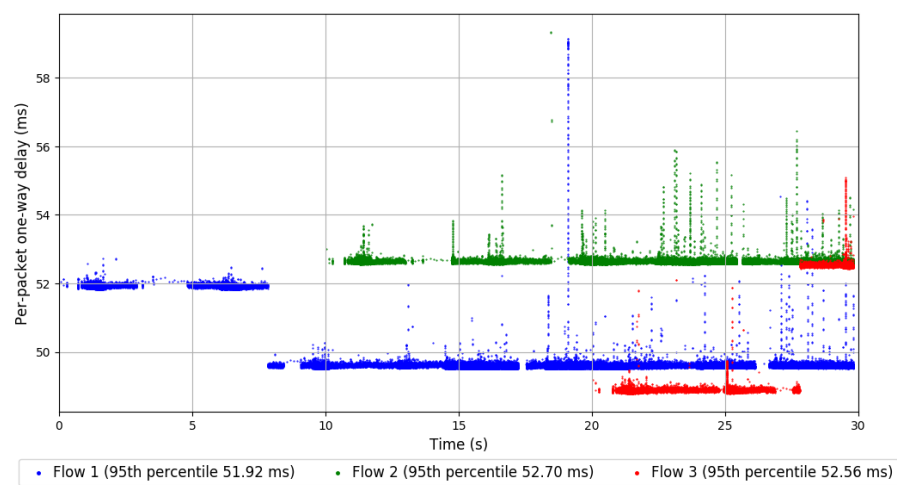
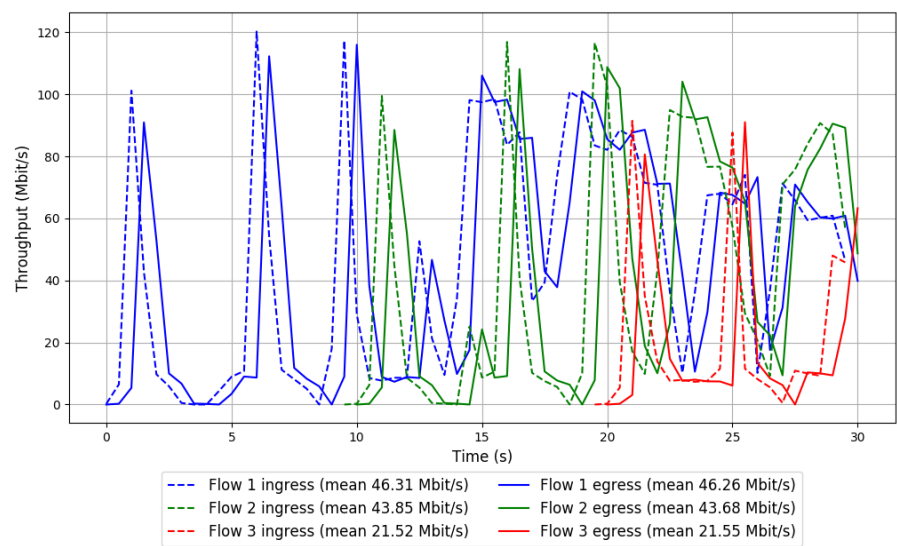
-- Flow 3:

Average throughput: 21.55 Mbit/s

95th percentile per-packet one-way delay: 52.557 ms

Loss rate: 0.89%

Run 9: Report of QUIC Cubic — Data Link

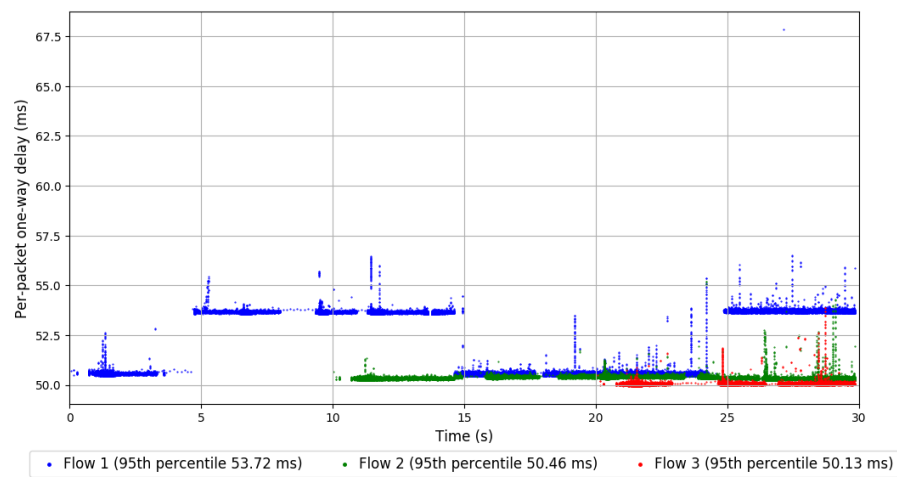
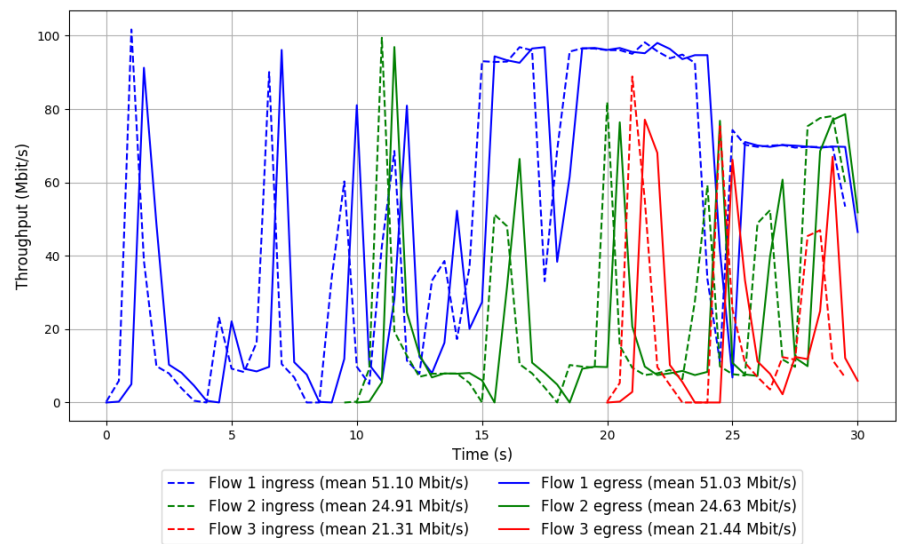


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-27 11:50:53
End at: 2018-07-27 11:51:23
Local clock offset: -0.084 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 53.708 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 53.722 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 50.456 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 50.135 ms
Loss rate: 0.45%

Run 10: Report of QUIC Cubic — Data Link

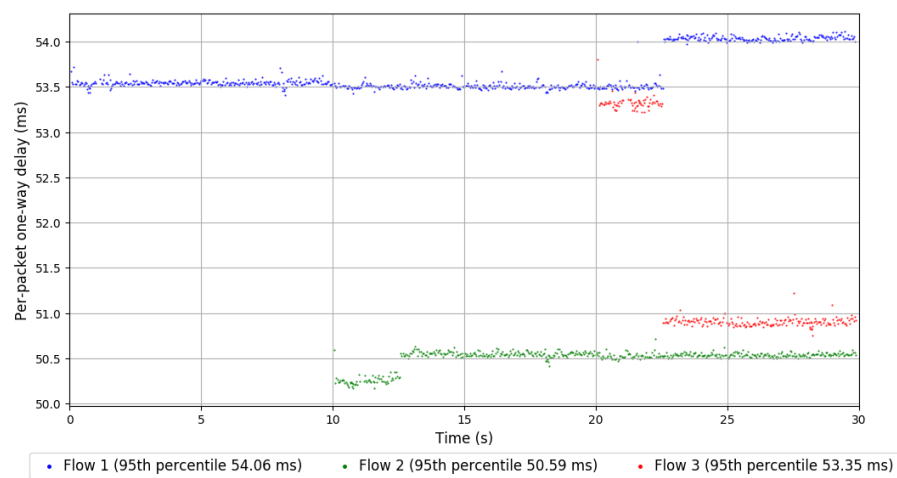
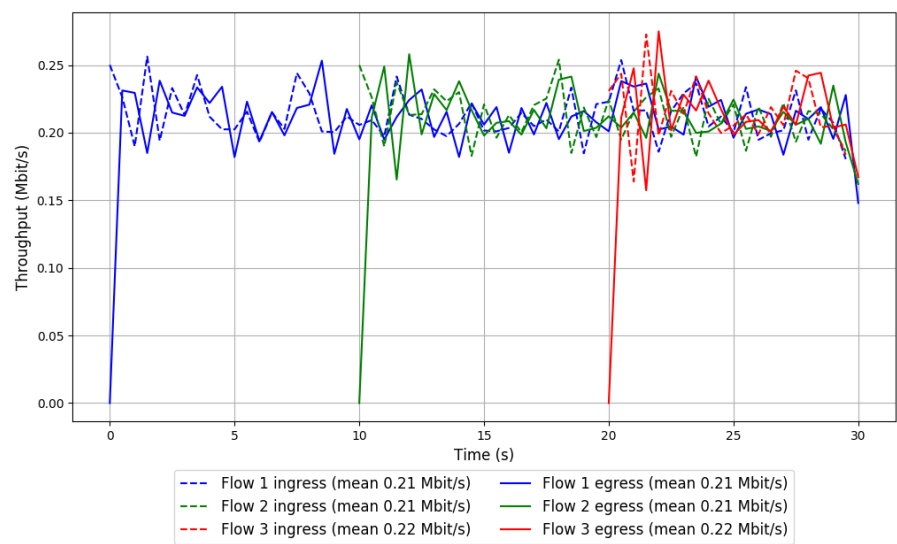


Run 1: Statistics of SReAM

Start at: 2018-07-27 08:11:15
End at: 2018-07-27 08:11:45
Local clock offset: 0.048 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.040 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.060 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.589 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.349 ms
Loss rate: 0.74%

Run 1: Report of SReAM — Data Link

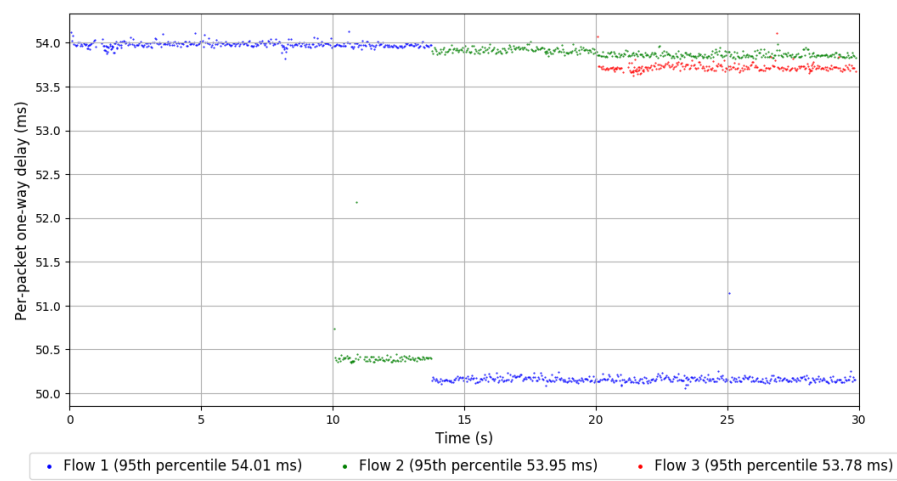
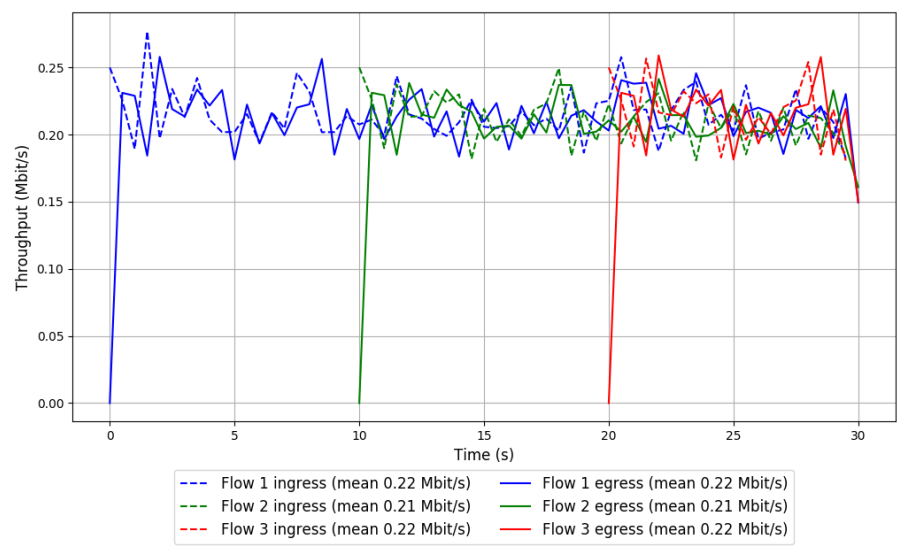


Run 2: Statistics of SReAM

Start at: 2018-07-27 08:35:44
End at: 2018-07-27 08:36:14
Local clock offset: -0.115 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.003 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.013 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.947 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.779 ms
Loss rate: 1.08%

Run 2: Report of SReAM — Data Link

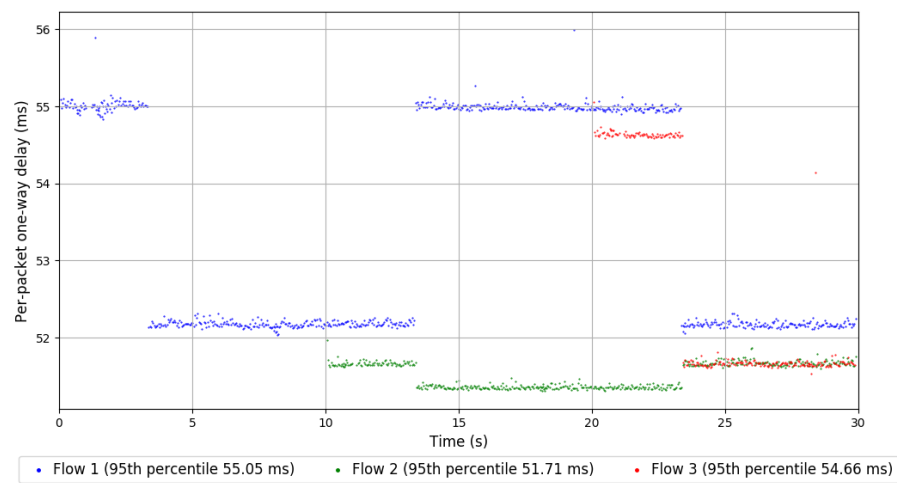
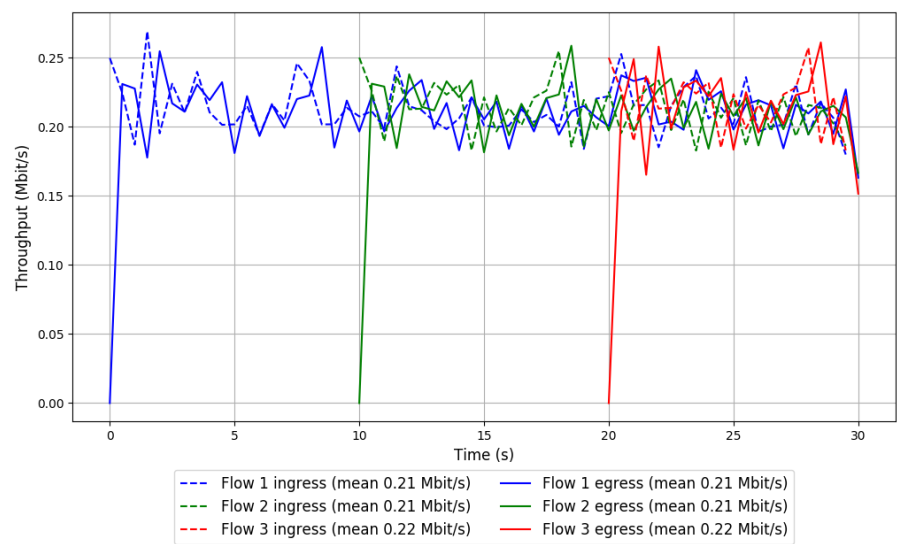


Run 3: Statistics of SReAM

Start at: 2018-07-27 09:00:04
End at: 2018-07-27 09:00:34
Local clock offset: 0.045 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 55.017 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.045 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.712 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.657 ms
Loss rate: 1.10%

Run 3: Report of SCReAM — Data Link

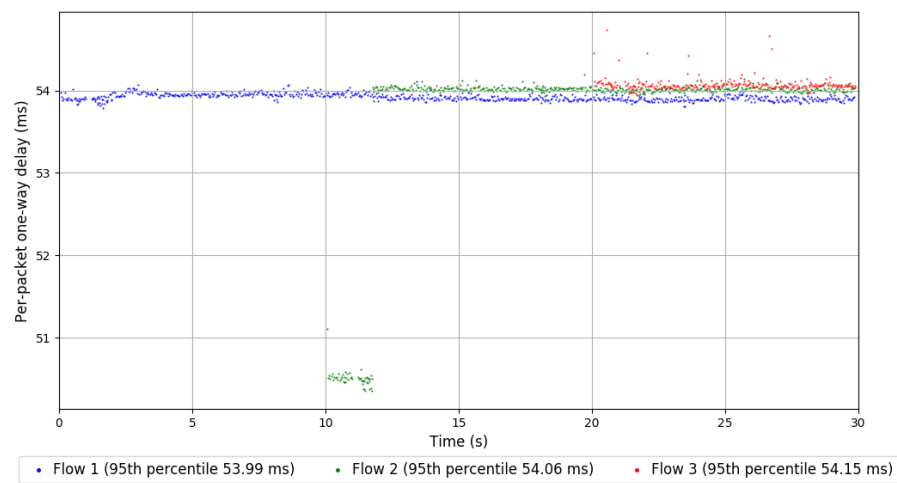
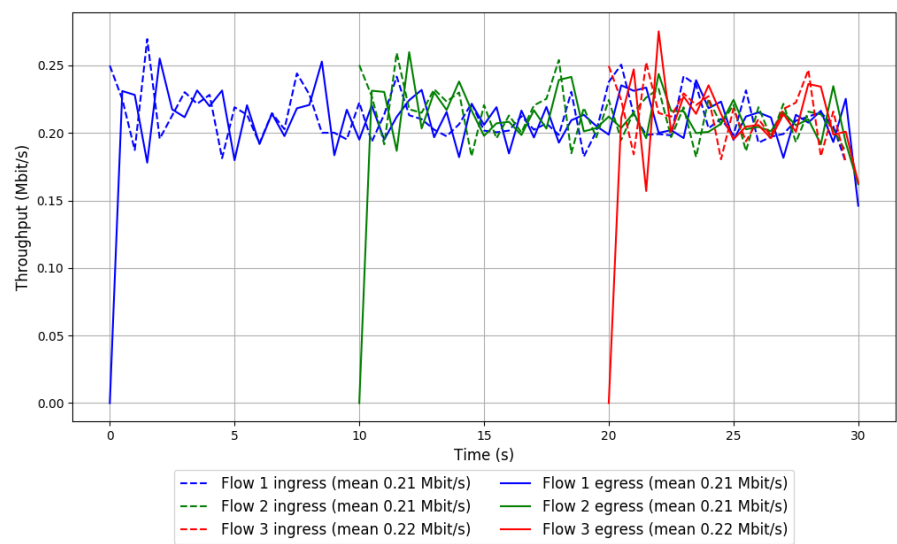


Run 4: Statistics of SReAM

Start at: 2018-07-27 09:24:36
End at: 2018-07-27 09:25:06
Local clock offset: 0.018 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.084 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.990 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.061 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.148 ms
Loss rate: 1.08%

Run 4: Report of SCReAM — Data Link

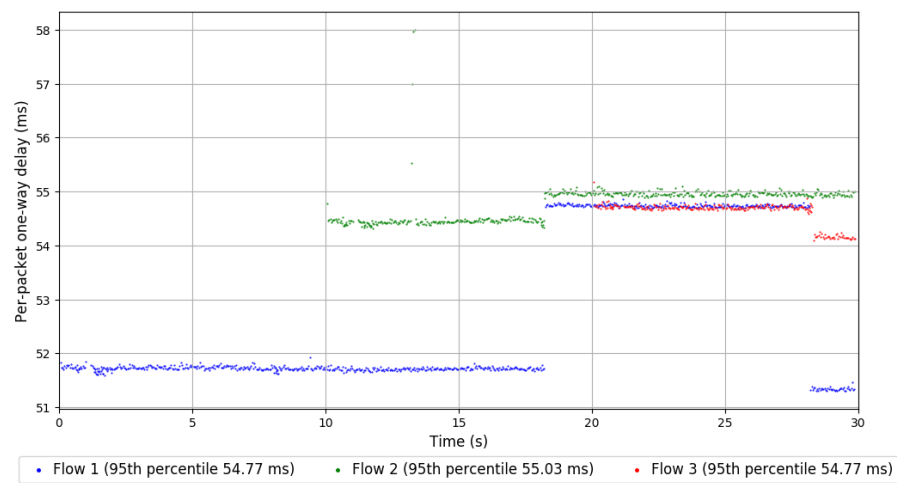
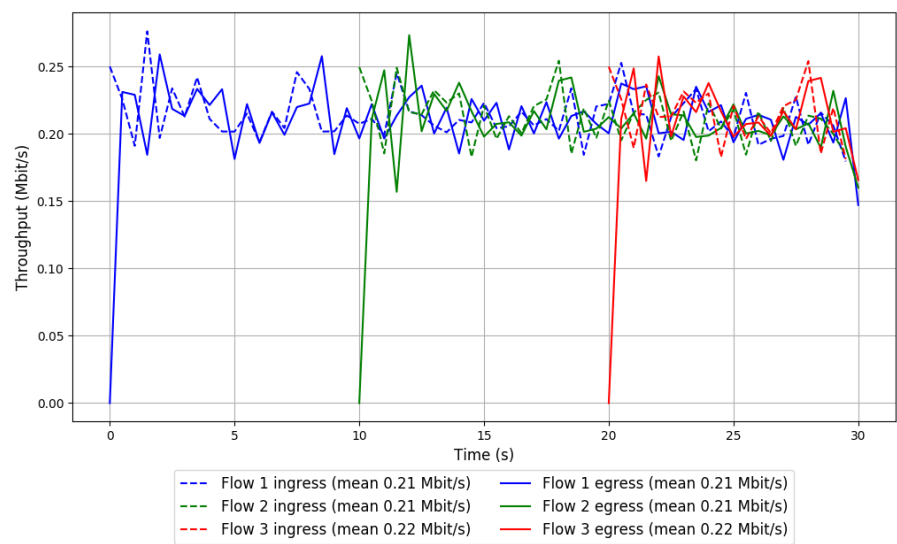


Run 5: Statistics of SReAM

Start at: 2018-07-27 09:49:09
End at: 2018-07-27 09:49:39
Local clock offset: -0.323 ms
Remote clock offset: -1.339 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.983 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.766 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.026 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.765 ms
Loss rate: 1.09%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-27 10:14:04

End at: 2018-07-27 10:14:34

Local clock offset: 0.175 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.673 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.687 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.327 ms

Loss rate: 0.39%

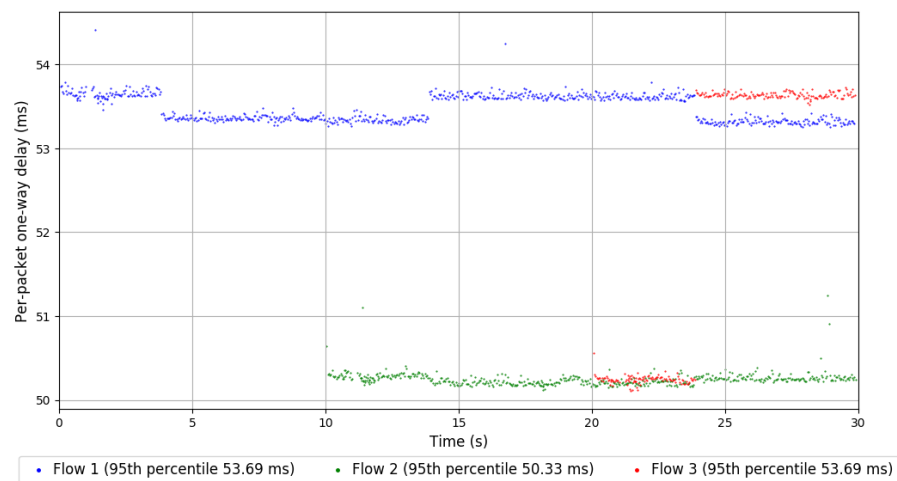
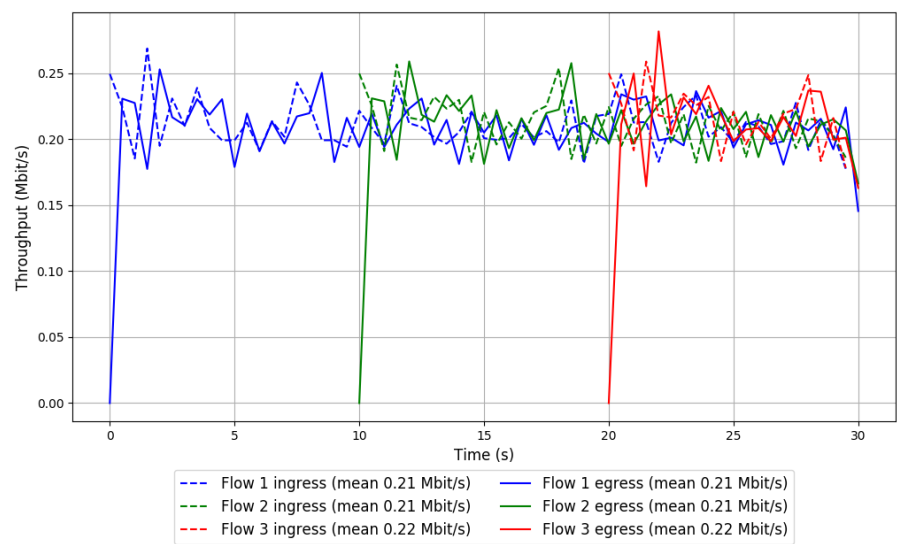
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 1.07%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-27 10:38:32

End at: 2018-07-27 10:39:02

Local clock offset: 0.148 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.923 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.281 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.956 ms

Loss rate: 0.62%

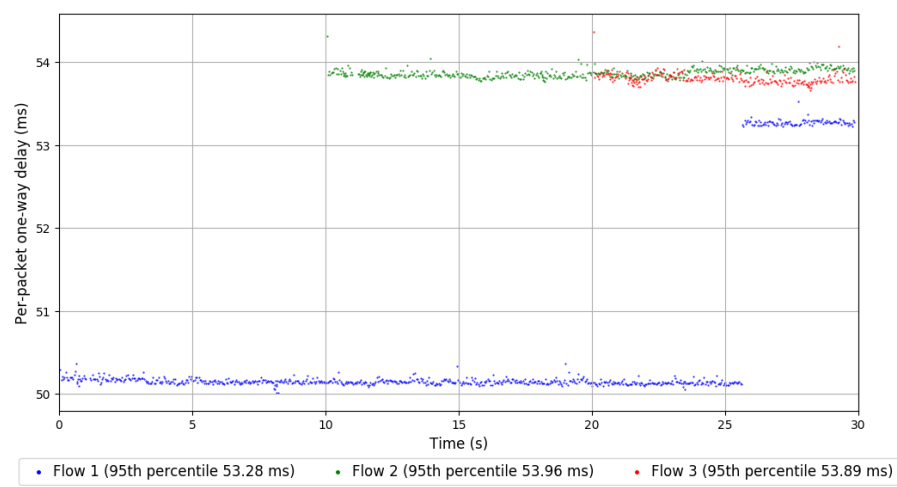
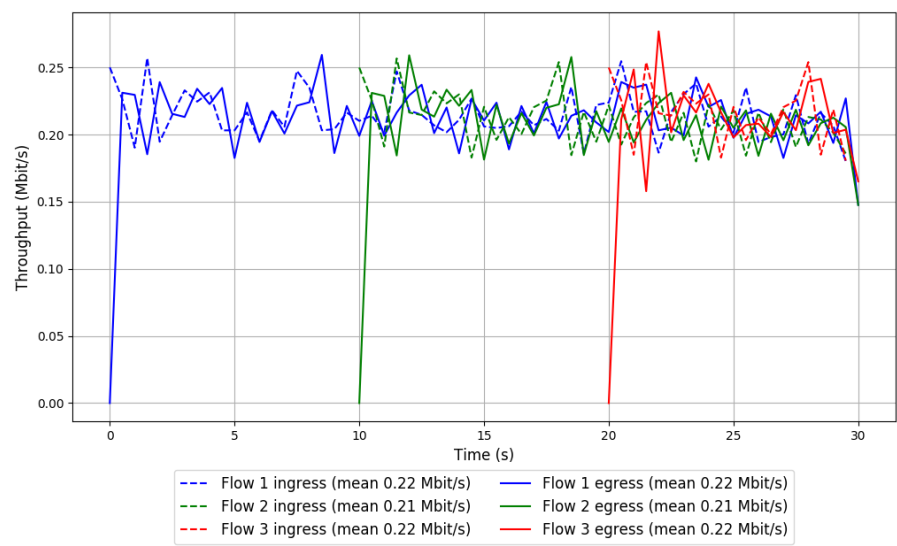
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.889 ms

Loss rate: 1.09%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-27 11:02:52

End at: 2018-07-27 11:03:22

Local clock offset: 0.14 ms

Remote clock offset: 0.987 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 52.891 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.911 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 49.793 ms

Loss rate: 0.62%

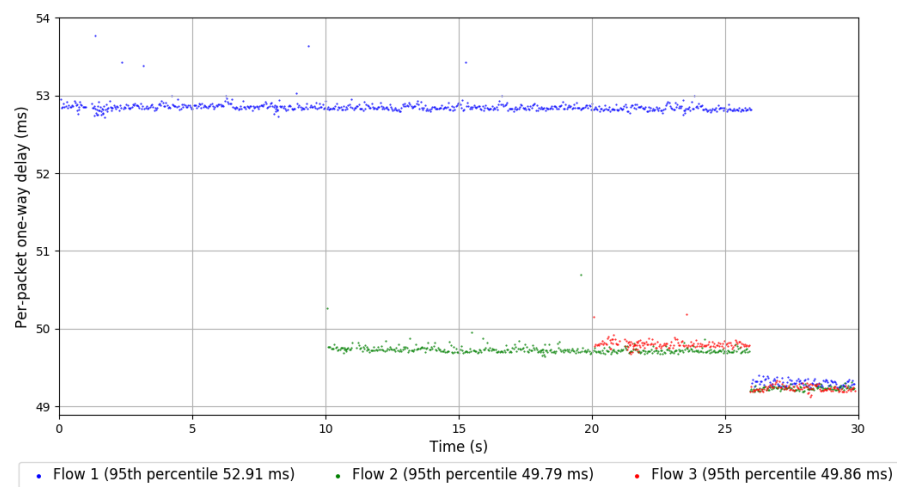
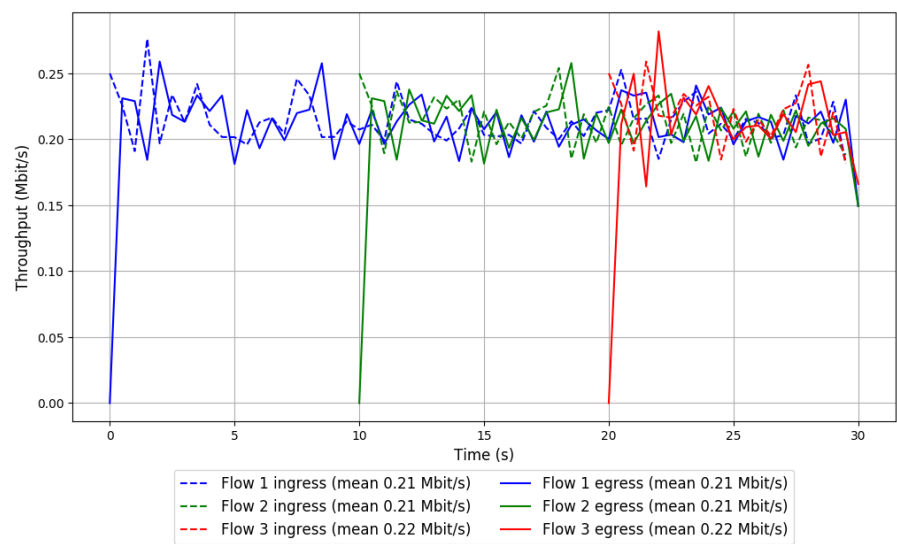
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.862 ms

Loss rate: 1.08%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-27 11:27:22

End at: 2018-07-27 11:27:52

Local clock offset: -0.077 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.800 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.826 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.333 ms

Loss rate: 0.61%

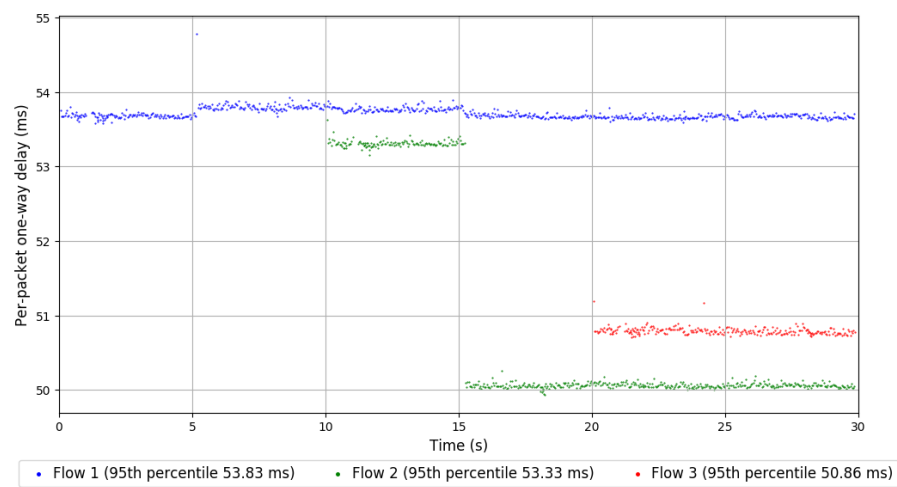
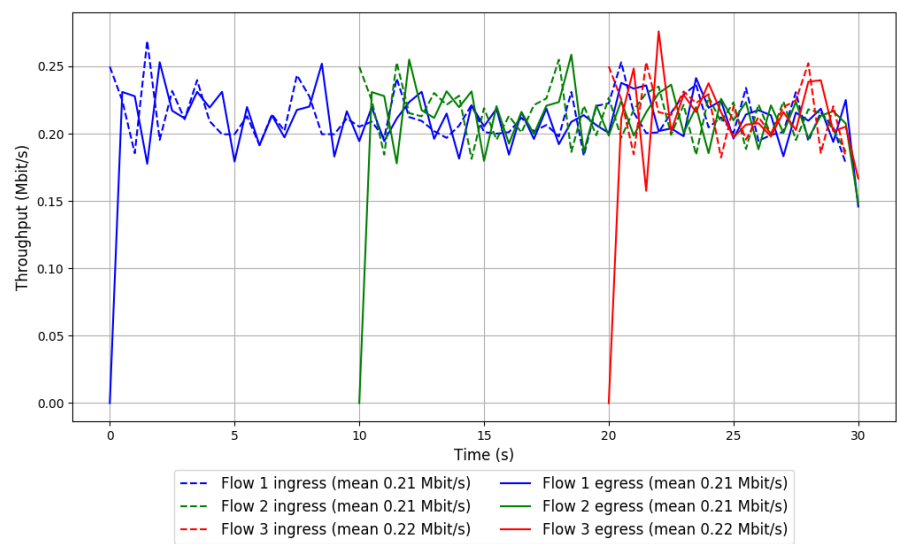
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.859 ms

Loss rate: 1.10%

Run 9: Report of SReAM — Data Link

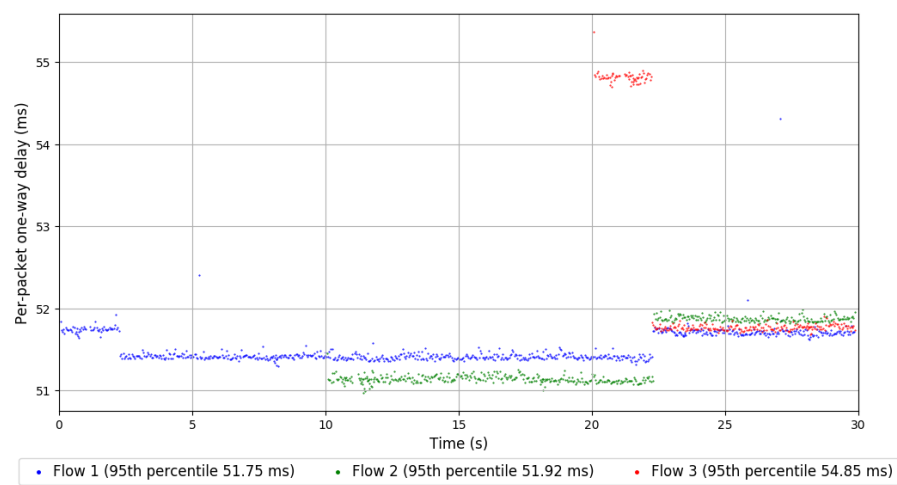
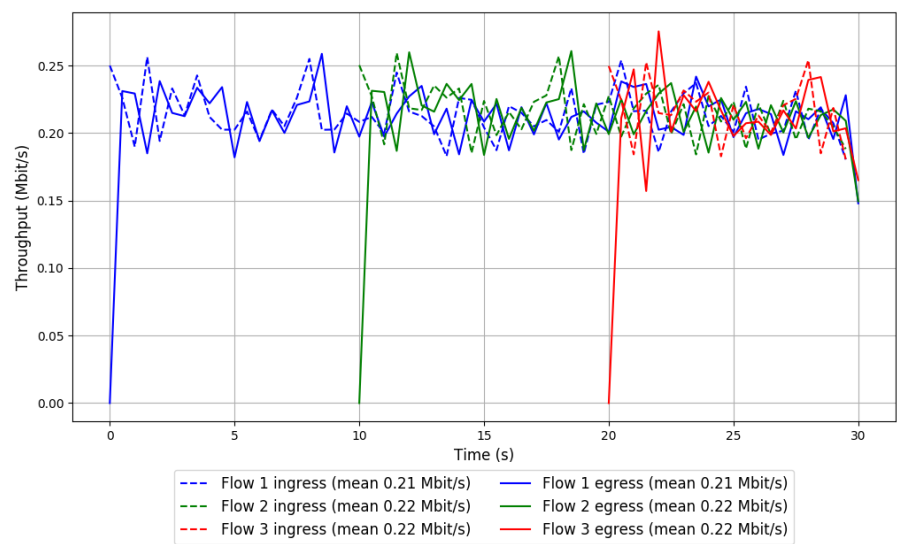


Run 10: Statistics of SReAM

Start at: 2018-07-27 11:52:05
End at: 2018-07-27 11:52:35
Local clock offset: -0.284 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.947 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.751 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.918 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.848 ms
Loss rate: 1.09%

Run 10: Report of SCRAM — Data Link

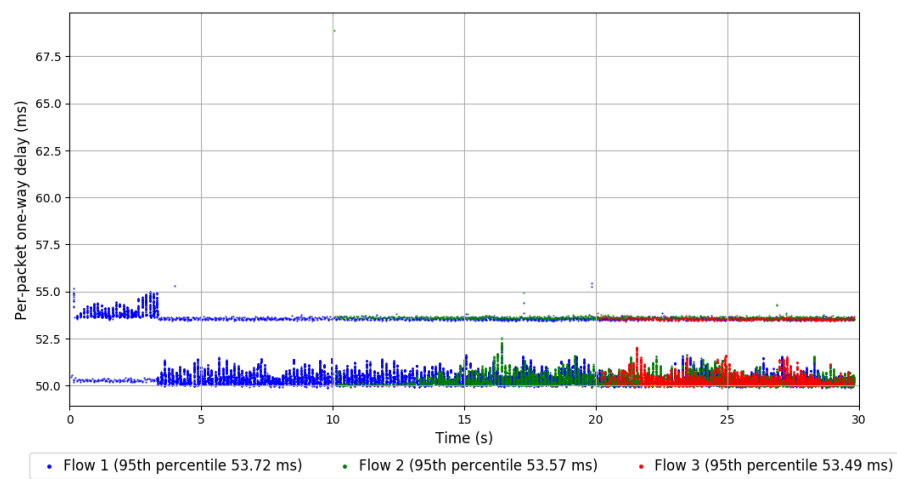
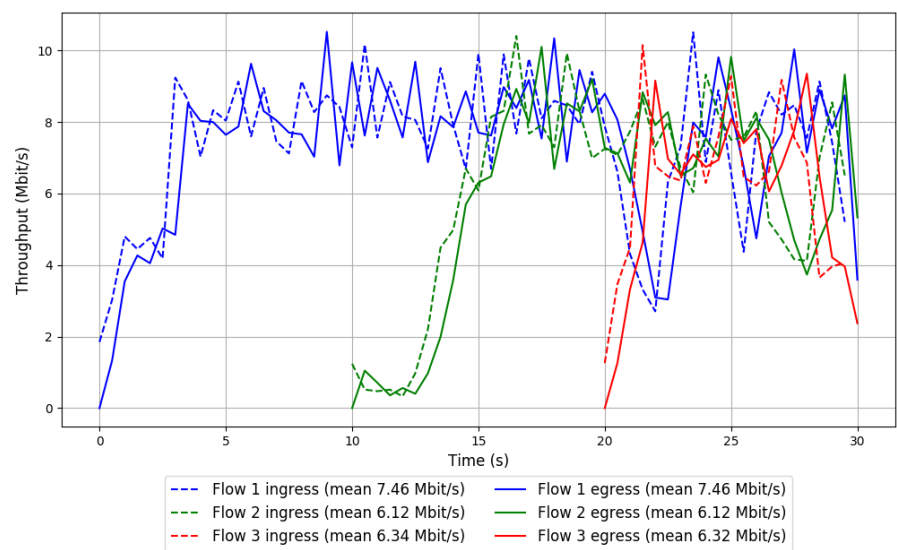


Run 1: Statistics of Sprout

Start at: 2018-07-27 08:14:04
End at: 2018-07-27 08:14:34
Local clock offset: -0.055 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 53.599 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 53.718 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 53.571 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 53.487 ms
Loss rate: 1.36%

Run 1: Report of Sprout — Data Link

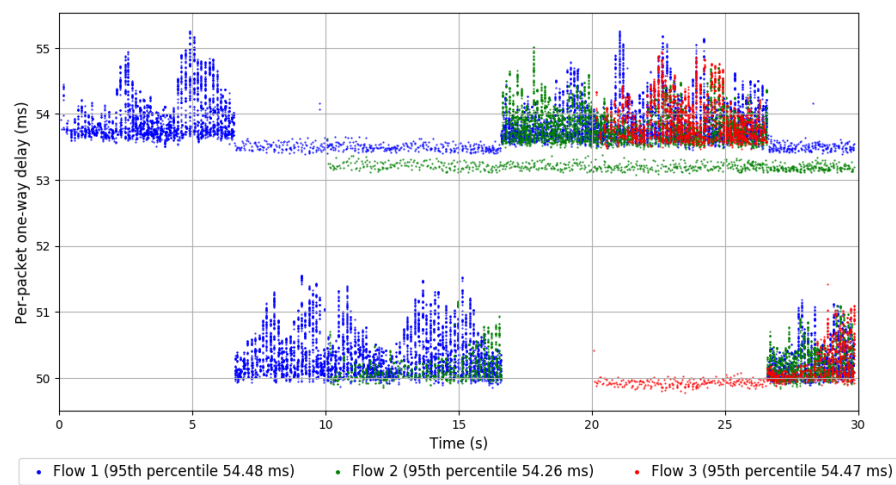
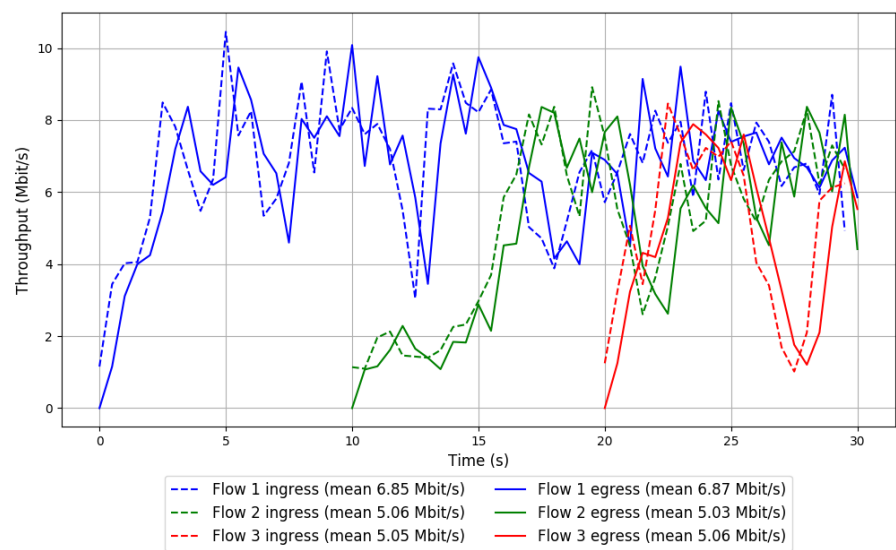


Run 2: Statistics of Sprout

Start at: 2018-07-27 08:38:31
End at: 2018-07-27 08:39:01
Local clock offset: -0.067 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 54.411 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 54.476 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 54.260 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 54.474 ms
Loss rate: 0.72%

Run 2: Report of Sprout — Data Link

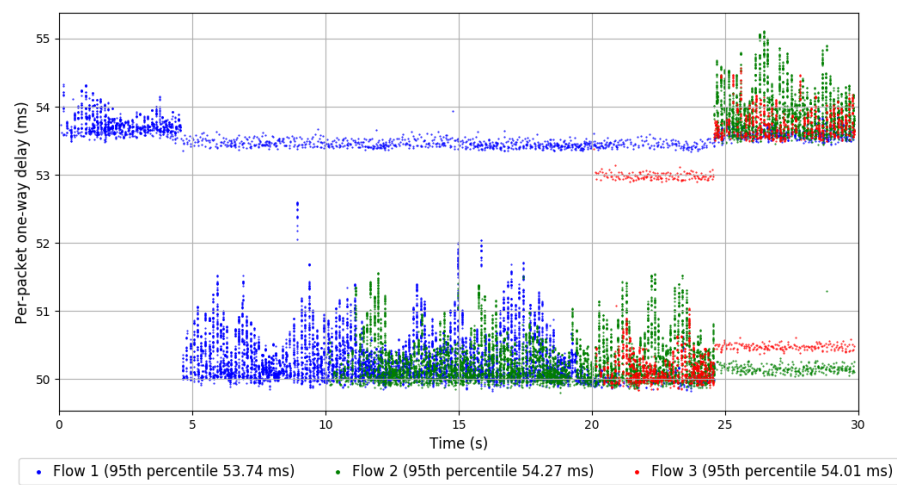
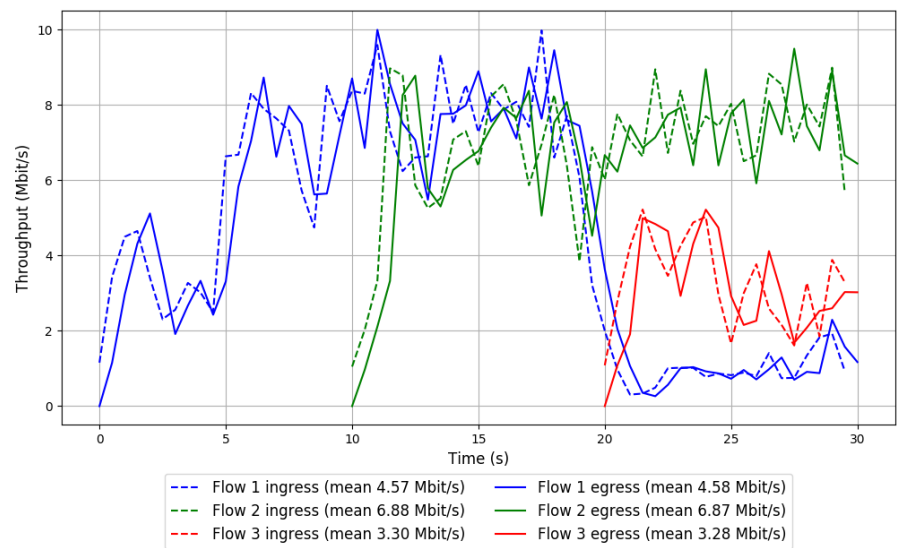


Run 3: Statistics of Sprout

Start at: 2018-07-27 09:02:53
End at: 2018-07-27 09:03:23
Local clock offset: -0.132 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 54.023 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 53.740 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 54.266 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 54.014 ms
Loss rate: 1.72%

Run 3: Report of Sprout — Data Link

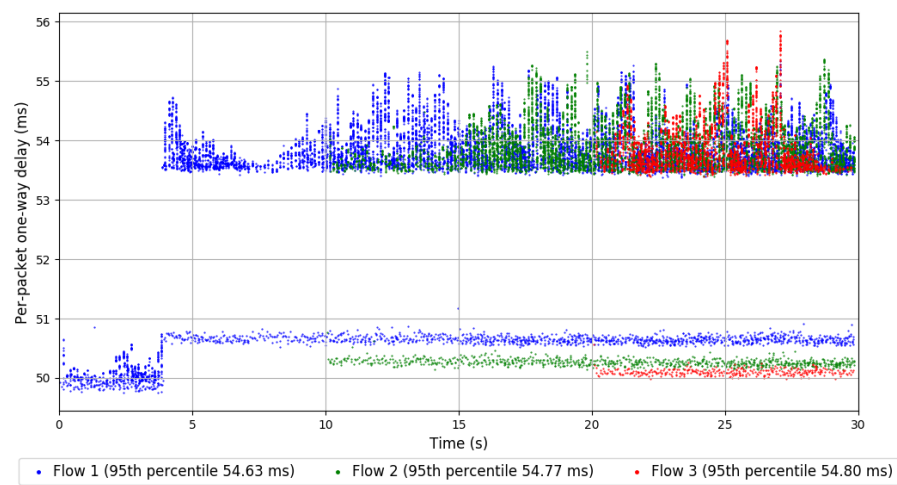
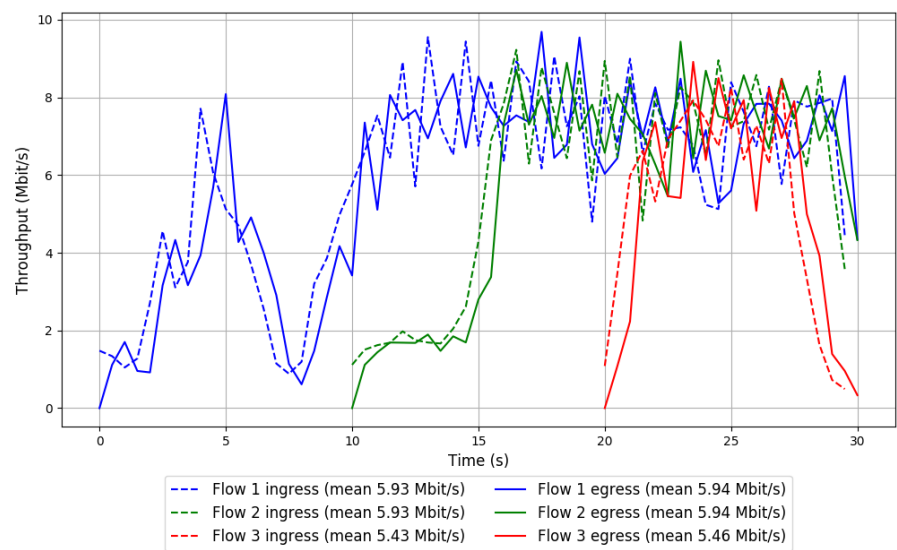


Run 4: Statistics of Sprout

Start at: 2018-07-27 09:27:14
End at: 2018-07-27 09:27:44
Local clock offset: -0.068 ms
Remote clock offset: 0.083 ms

```
# Below is generated by plot.py at 2018-07-27 15:14:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 54.711 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 54.631 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 54.771 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 54.801 ms
Loss rate: 0.15%
```

Run 4: Report of Sprout — Data Link

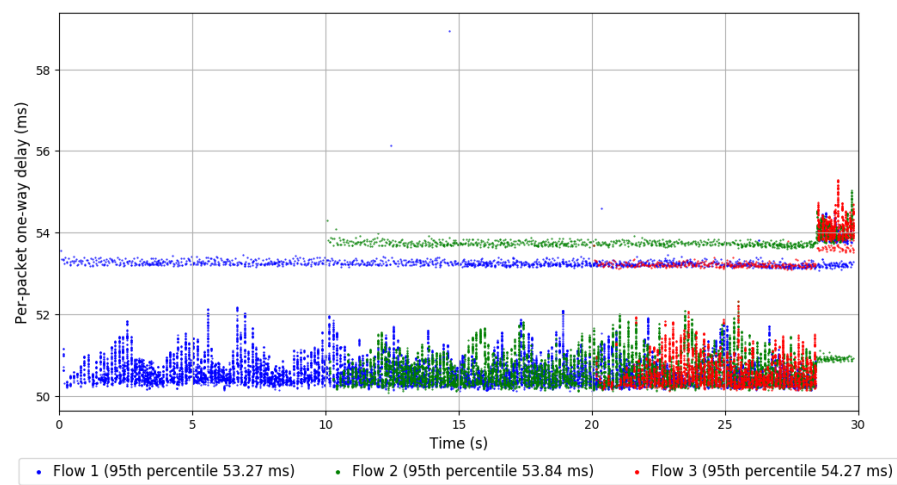
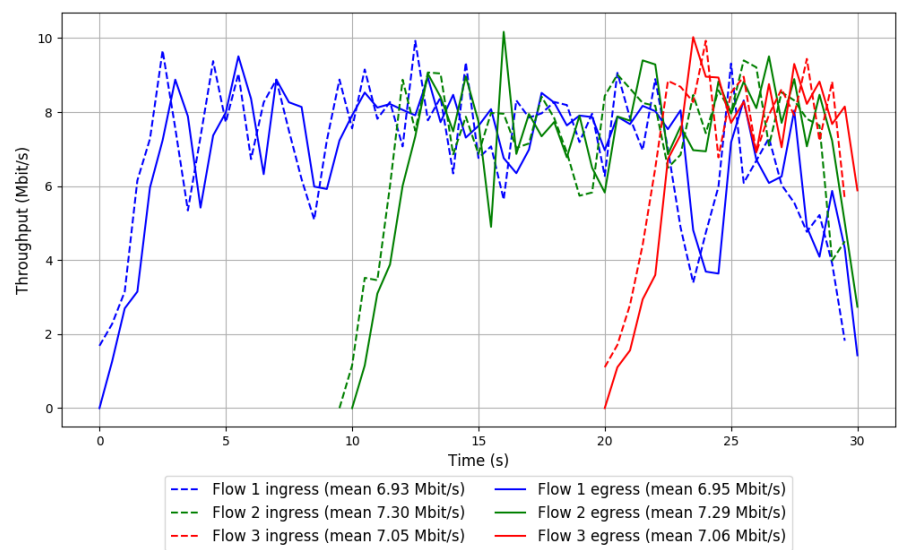


Run 5: Statistics of Sprout

Start at: 2018-07-27 09:51:59
End at: 2018-07-27 09:52:29
Local clock offset: -0.228 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.10 Mbit/s
95th percentile per-packet one-way delay: 53.863 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 53.270 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 53.841 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 54.274 ms
Loss rate: 0.72%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-27 10:16:46

End at: 2018-07-27 10:17:16

Local clock offset: 0.106 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 54.555 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 5.75 Mbit/s

95th percentile per-packet one-way delay: 54.468 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 6.75 Mbit/s

95th percentile per-packet one-way delay: 54.541 ms

Loss rate: 0.00%

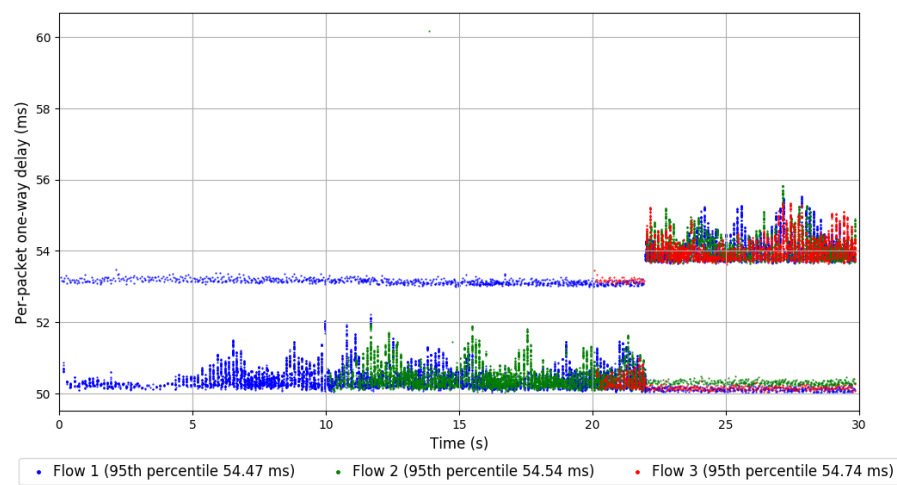
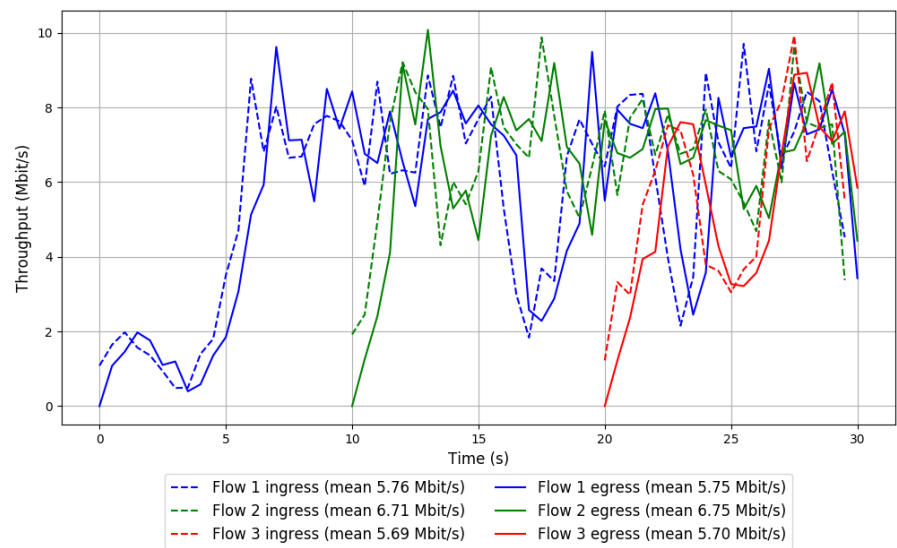
-- Flow 3:

Average throughput: 5.70 Mbit/s

95th percentile per-packet one-way delay: 54.741 ms

Loss rate: 0.87%

Run 6: Report of Sprout — Data Link

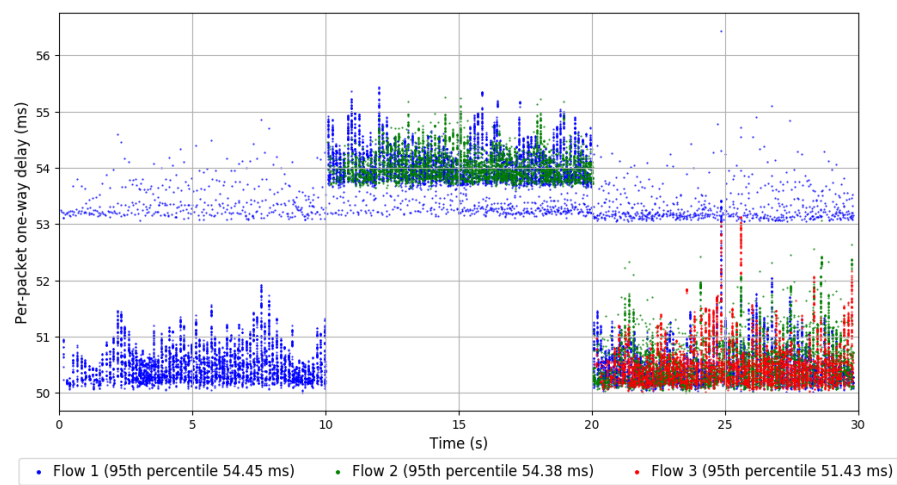
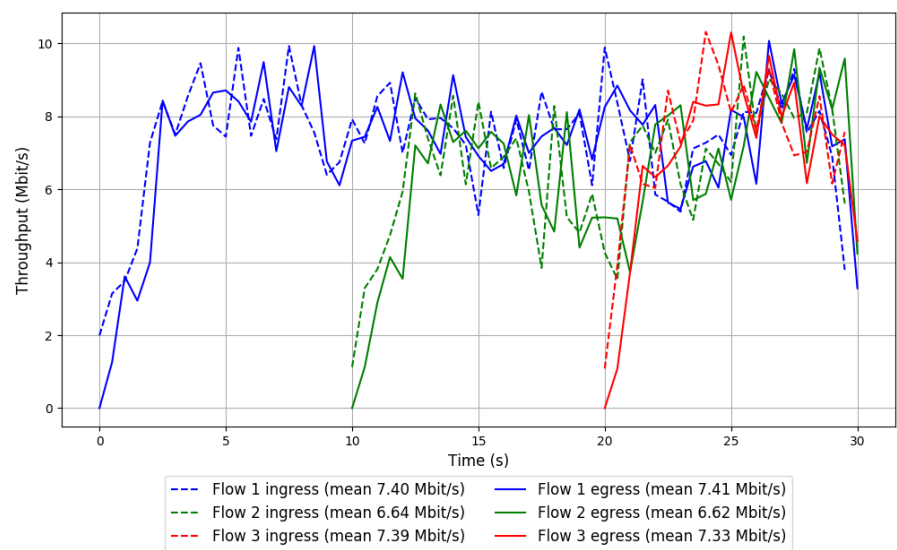


Run 7: Statistics of Sprout

Start at: 2018-07-27 10:41:07
End at: 2018-07-27 10:41:37
Local clock offset: 0.052 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 54.374 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 54.454 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 54.385 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 51.426 ms
Loss rate: 2.05%

Run 7: Report of Sprout — Data Link

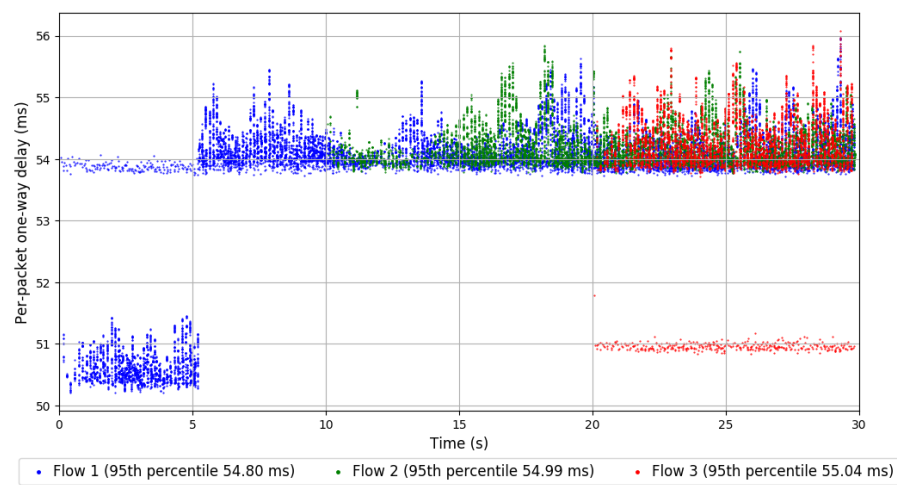
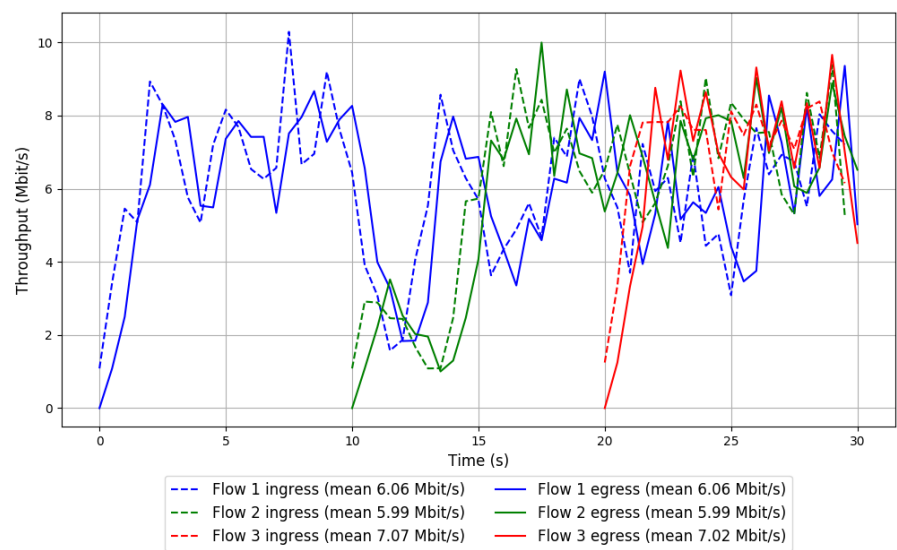


Run 8: Statistics of Sprout

Start at: 2018-07-27 11:05:32
End at: 2018-07-27 11:06:02
Local clock offset: 0.111 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 54.911 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 54.802 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 54.989 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 55.038 ms
Loss rate: 1.69%

Run 8: Report of Sprout — Data Link

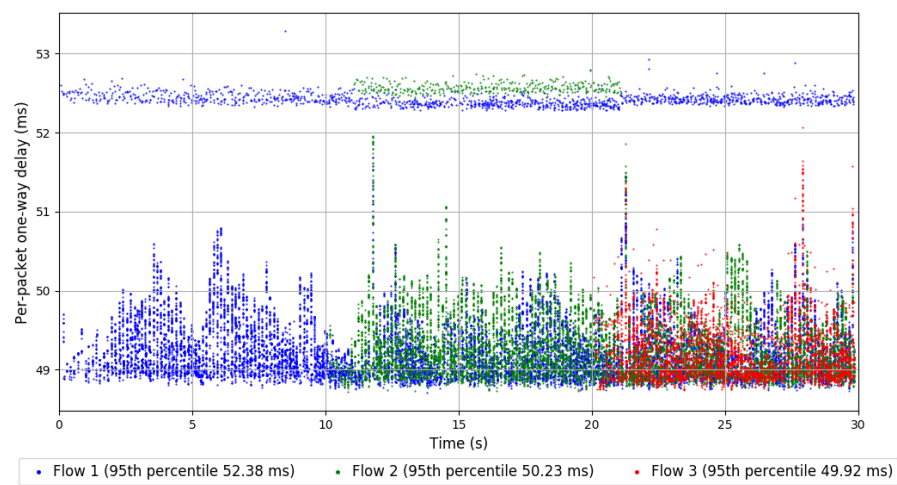
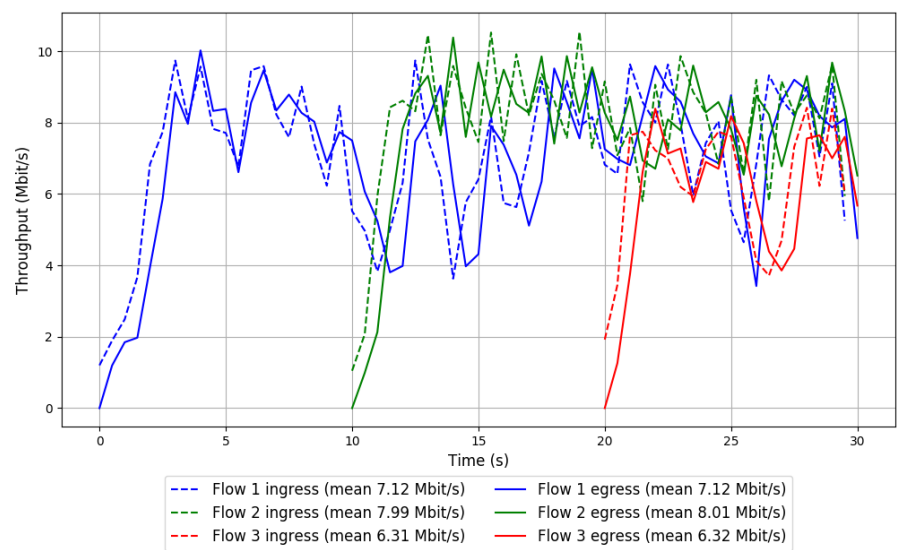


Run 9: Statistics of Sprout

Start at: 2018-07-27 11:30:06
End at: 2018-07-27 11:30:36
Local clock offset: -0.059 ms
Remote clock offset: 1.264 ms

```
# Below is generated by plot.py at 2018-07-27 15:14:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 51.397 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 52.382 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 50.229 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 49.920 ms
Loss rate: 0.93%
```

Run 9: Report of Sprout — Data Link

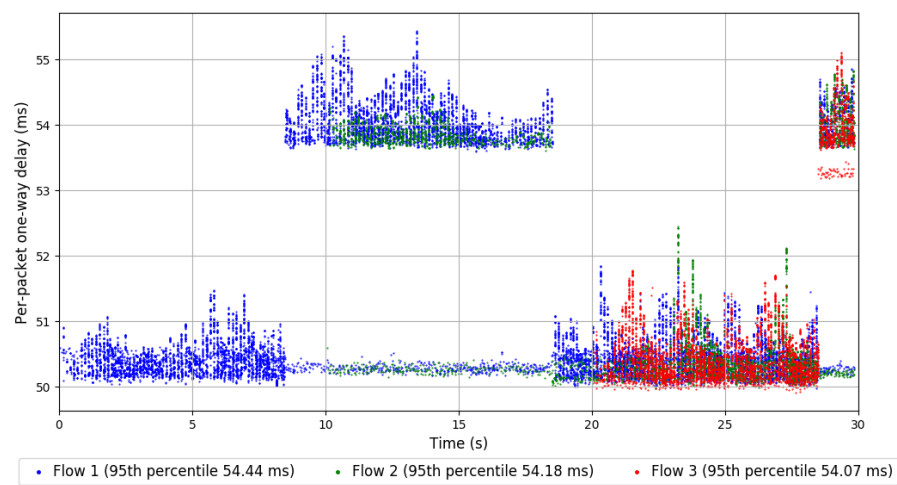
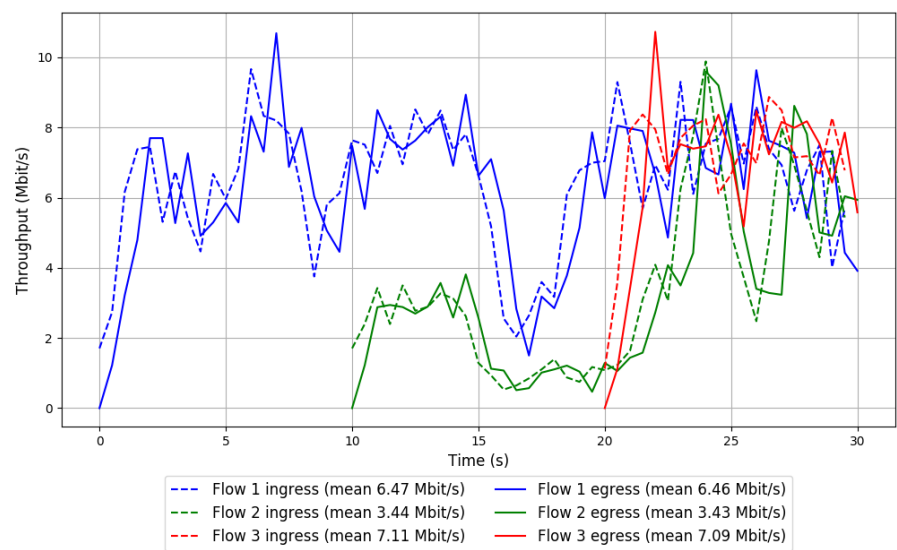


Run 10: Statistics of Sprout

Start at: 2018-07-27 11:54:49
End at: 2018-07-27 11:55:19
Local clock offset: -0.033 ms
Remote clock offset: 0.076 ms

```
# Below is generated by plot.py at 2018-07-27 15:14:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 54.342 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 54.437 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 54.178 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 54.071 ms
Loss rate: 1.40%
```

Run 10: Report of Sprout — Data Link

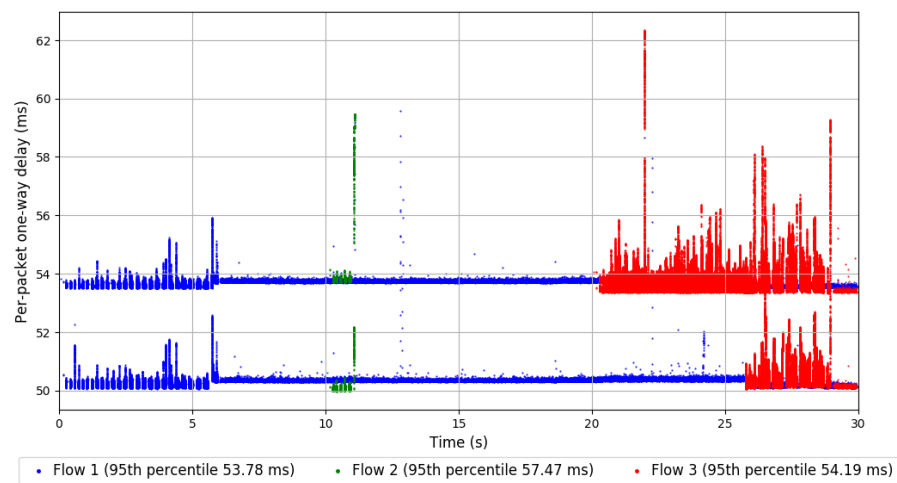
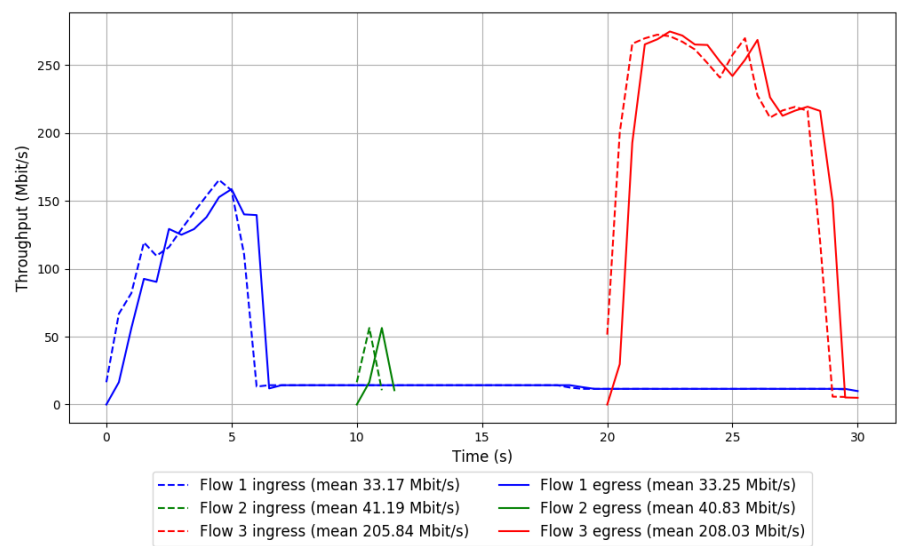


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-27 08:20:12
End at: 2018-07-27 08:20:42
Local clock offset: -0.002 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.26 Mbit/s
95th percentile per-packet one-way delay: 54.027 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 53.782 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 57.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 208.03 Mbit/s
95th percentile per-packet one-way delay: 54.188 ms
Loss rate: 0.03%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-27 08:44:31

End at: 2018-07-27 08:45:01

Local clock offset: -0.054 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-27 15:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.11 Mbit/s

95th percentile per-packet one-way delay: 53.509 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 55.08 Mbit/s

95th percentile per-packet one-way delay: 53.414 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 61.19 Mbit/s

95th percentile per-packet one-way delay: 53.574 ms

Loss rate: 0.00%

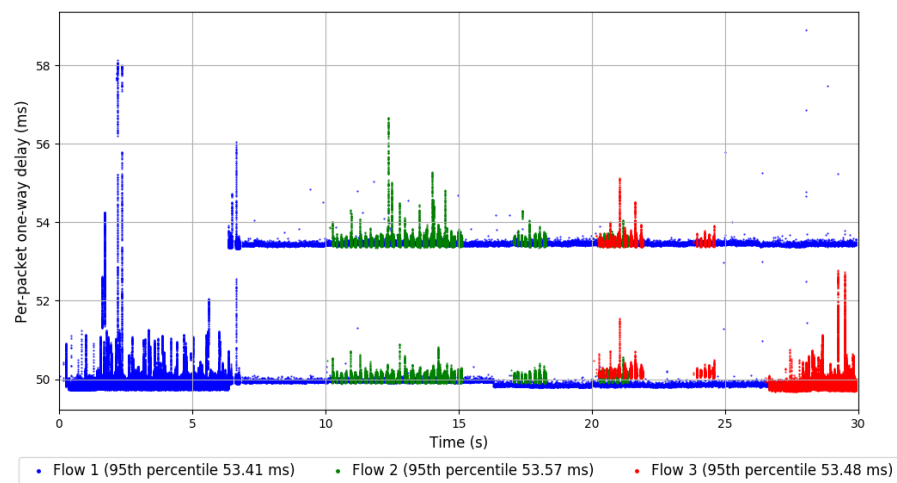
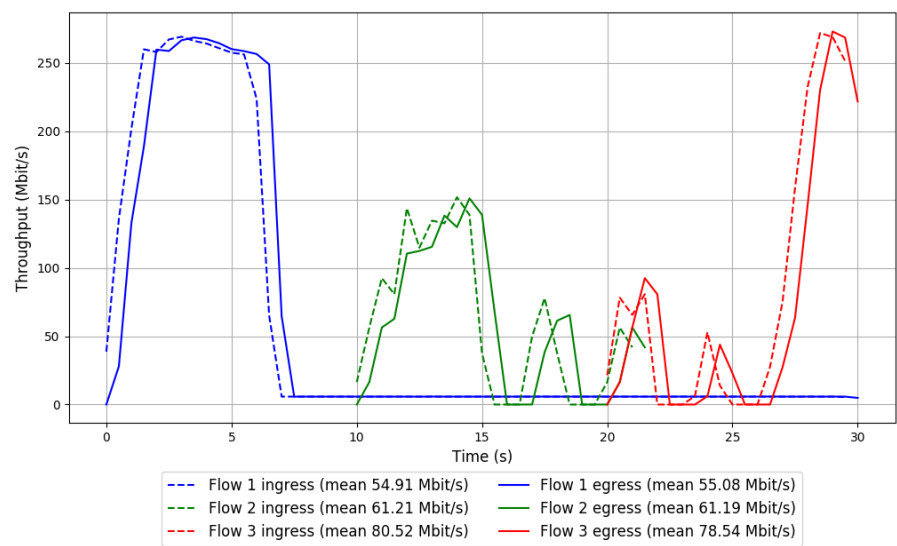
-- Flow 3:

Average throughput: 78.54 Mbit/s

95th percentile per-packet one-way delay: 53.478 ms

Loss rate: 3.49%

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

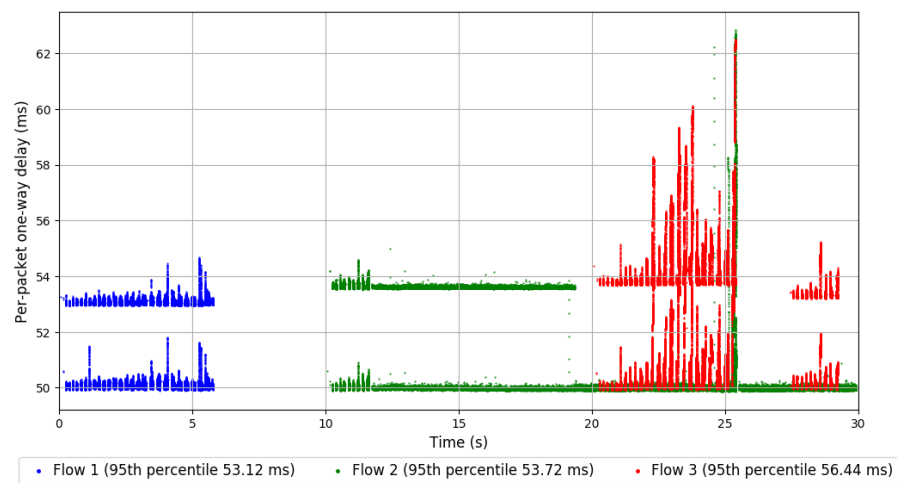
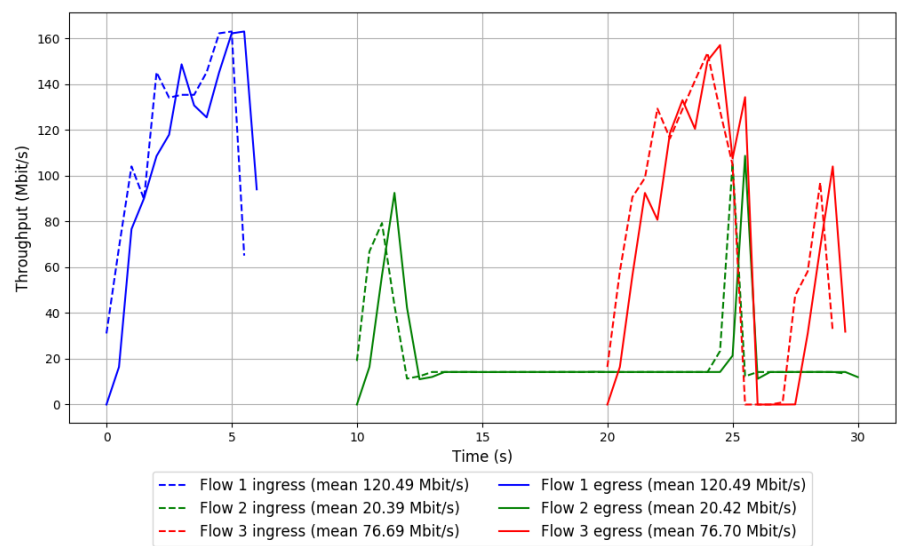


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-27 09:09:08
End at: 2018-07-27 09:09:38
Local clock offset: -0.18 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.17 Mbit/s
95th percentile per-packet one-way delay: 54.991 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 120.49 Mbit/s
95th percentile per-packet one-way delay: 53.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 53.719 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 56.444 ms
Loss rate: 0.00%

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

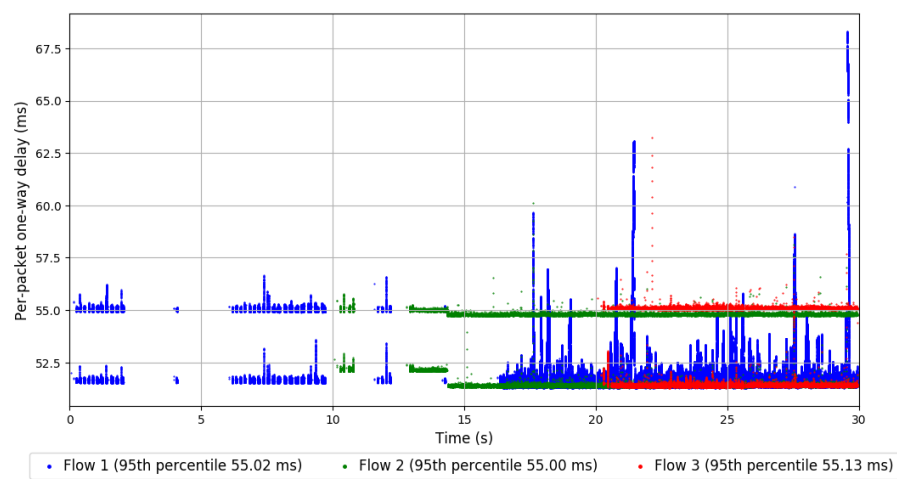
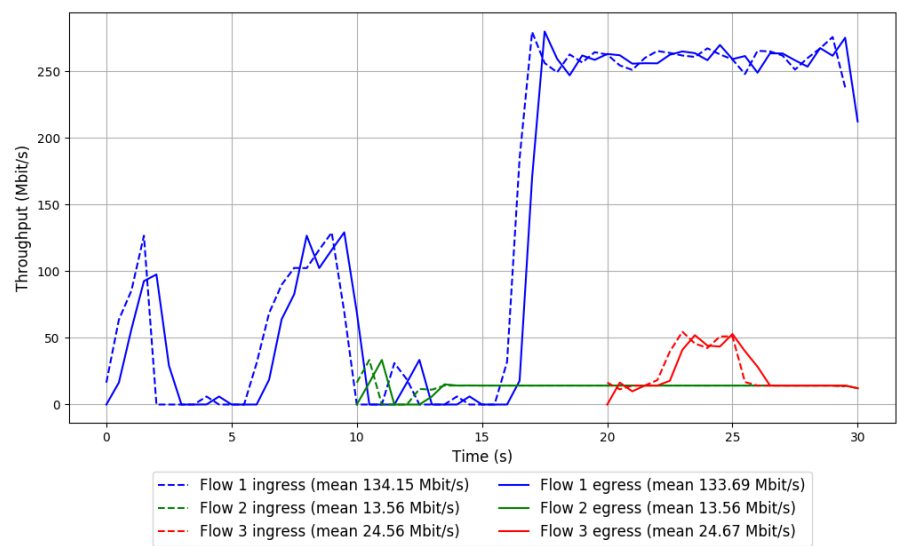


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-27 09:33:33
End at: 2018-07-27 09:34:03
Local clock offset: -0.033 ms
Remote clock offset: -1.437 ms

Below is generated by plot.py at 2018-07-27 15:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.83 Mbit/s
95th percentile per-packet one-way delay: 55.055 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 133.69 Mbit/s
95th percentile per-packet one-way delay: 55.016 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 55.001 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 55.135 ms
Loss rate: 0.58%

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

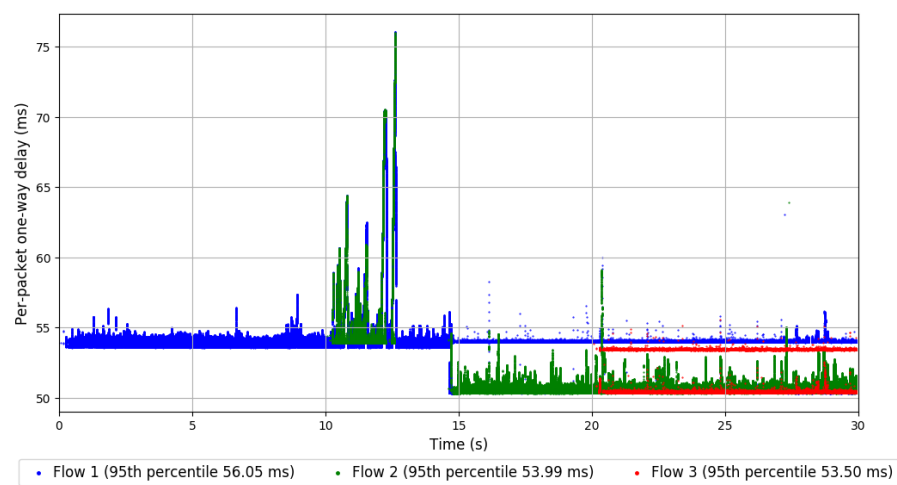
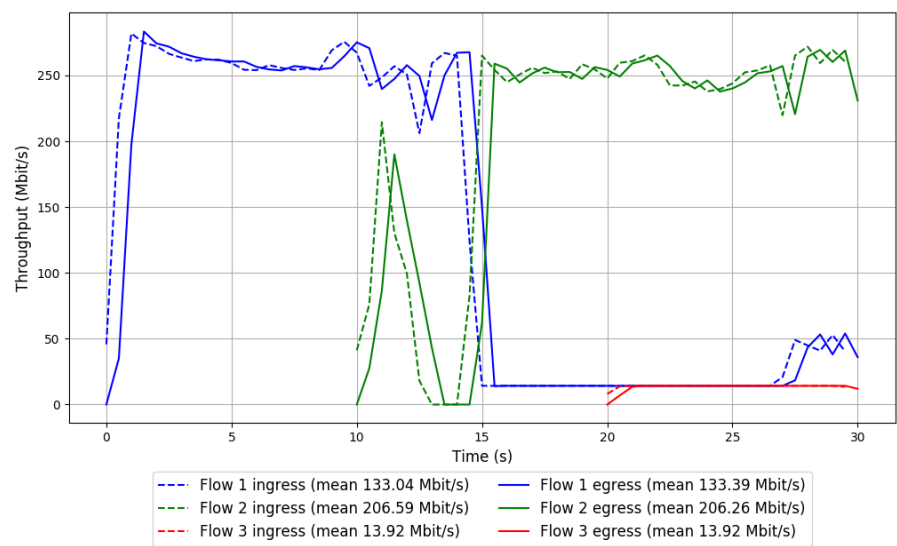


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-27 09:58:13
End at: 2018-07-27 09:58:43
Local clock offset: 0.005 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-07-27 15:19:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.10 Mbit/s
95th percentile per-packet one-way delay: 54.696 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 133.39 Mbit/s
95th percentile per-packet one-way delay: 56.046 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 206.26 Mbit/s
95th percentile per-packet one-way delay: 53.986 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 53.497 ms
Loss rate: 1.07%

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

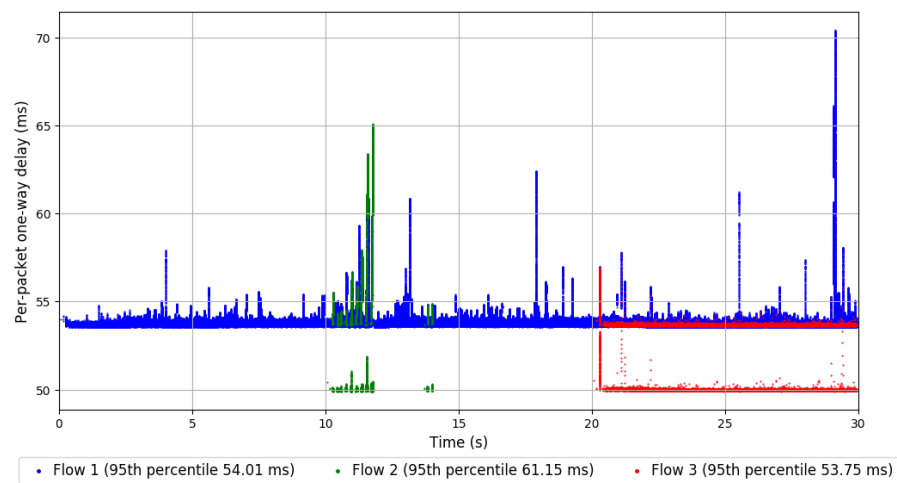
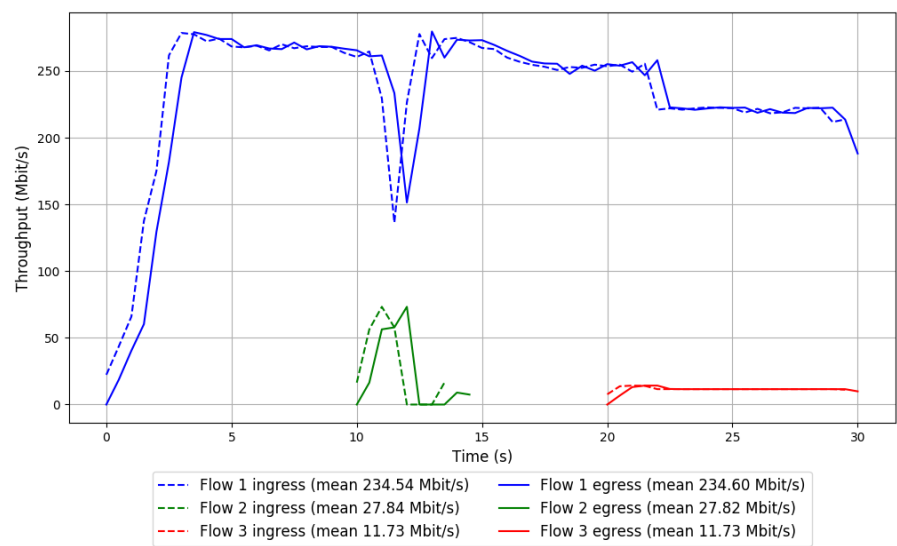


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-27 10:22:49
End at: 2018-07-27 10:23:19
Local clock offset: -0.018 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-27 15:19:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.15 Mbit/s
95th percentile per-packet one-way delay: 54.045 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 234.60 Mbit/s
95th percentile per-packet one-way delay: 54.012 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 61.154 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 53.752 ms
Loss rate: 1.06%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-27 10:47:17

End at: 2018-07-27 10:47:47

Local clock offset: -0.123 ms

Remote clock offset: 1.036 ms

Below is generated by plot.py at 2018-07-27 15:19:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.73 Mbit/s

95th percentile per-packet one-way delay: 52.592 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 216.30 Mbit/s

95th percentile per-packet one-way delay: 52.649 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.21 Mbit/s

95th percentile per-packet one-way delay: 52.480 ms

Loss rate: 0.30%

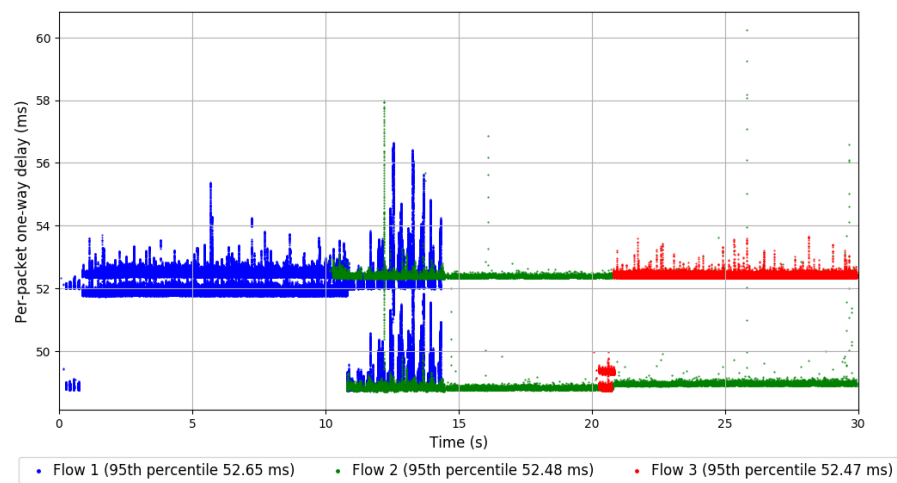
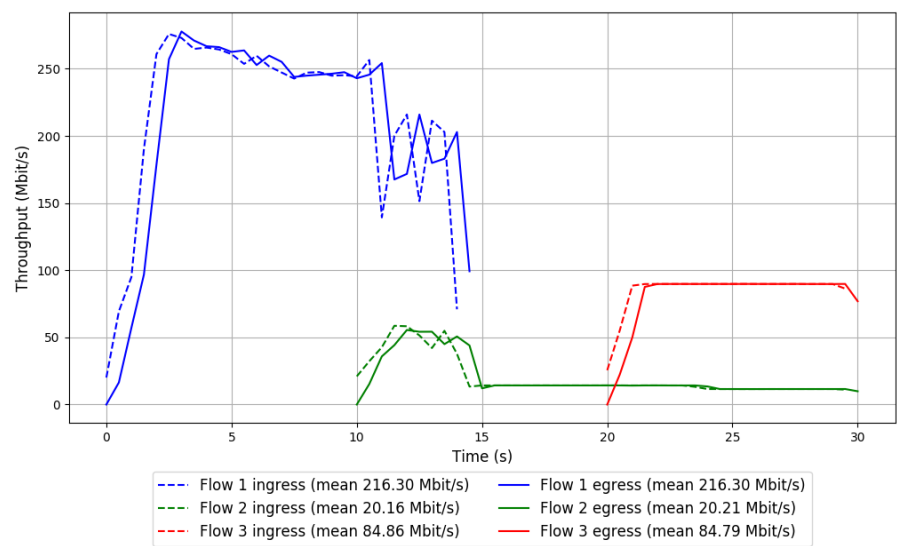
-- Flow 3:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 52.472 ms

Loss rate: 1.11%

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

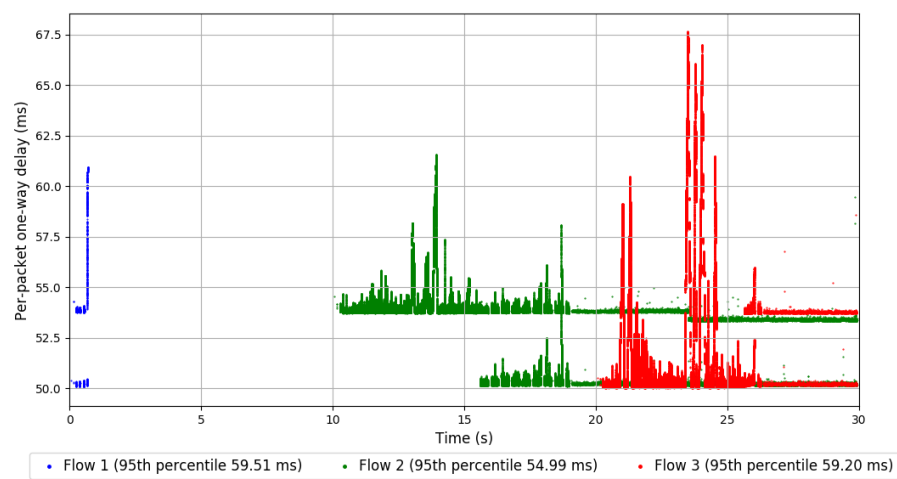
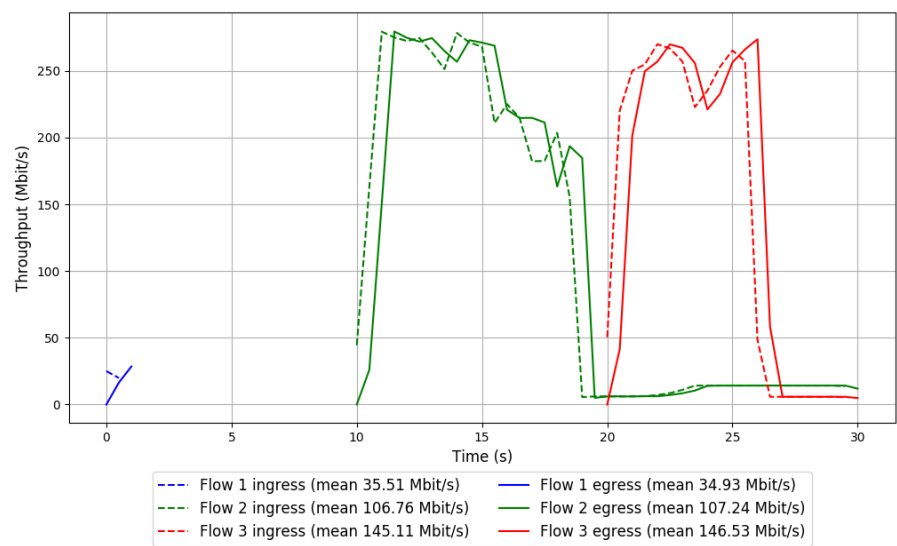


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-27 11:11:42
End at: 2018-07-27 11:12:12
Local clock offset: 0.194 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-27 15:19:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.41 Mbit/s
95th percentile per-packet one-way delay: 56.163 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 59.512 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.24 Mbit/s
95th percentile per-packet one-way delay: 54.991 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 146.53 Mbit/s
95th percentile per-packet one-way delay: 59.197 ms
Loss rate: 0.04%

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

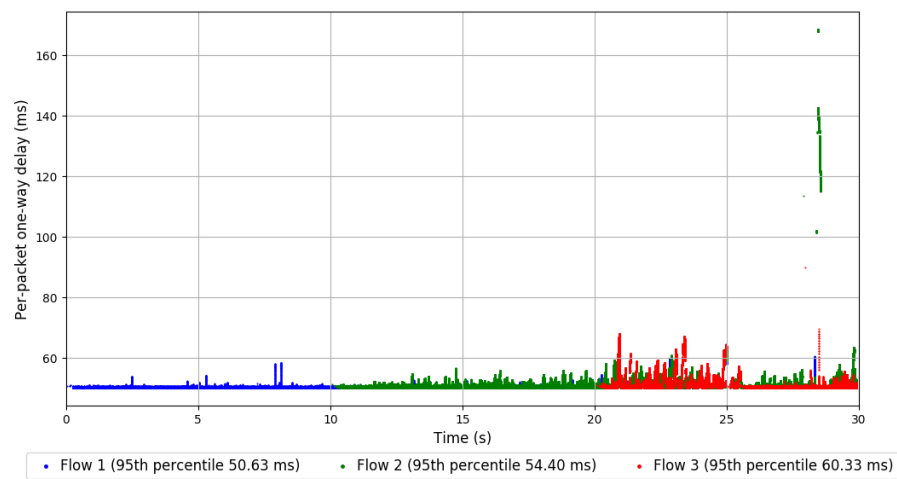
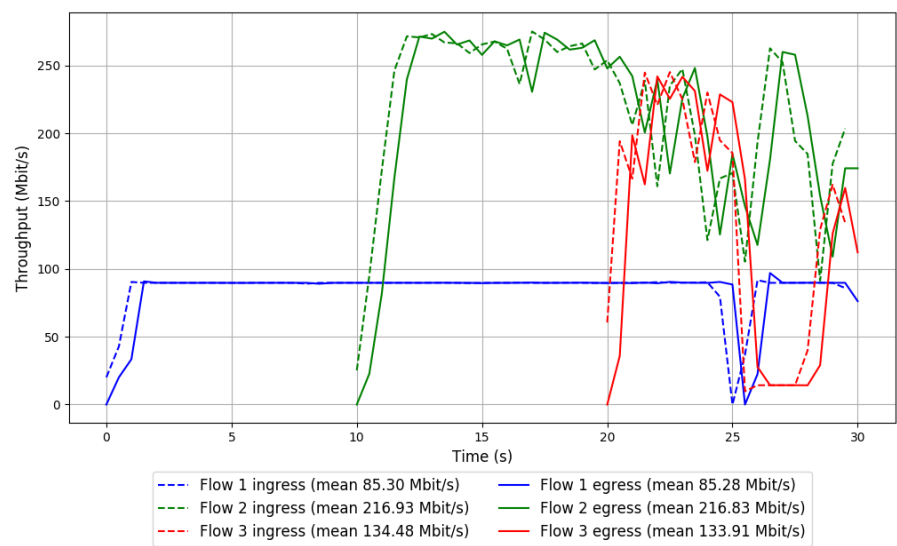


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-27 11:36:20
End at: 2018-07-27 11:36:50
Local clock offset: 0.079 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-27 15:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.60 Mbit/s
95th percentile per-packet one-way delay: 54.479 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 50.626 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 216.83 Mbit/s
95th percentile per-packet one-way delay: 54.399 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 133.91 Mbit/s
95th percentile per-packet one-way delay: 60.333 ms
Loss rate: 1.47%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-27 12:01:03

End at: 2018-07-27 12:01:33

Local clock offset: 0.052 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-27 15:24:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.69 Mbit/s

95th percentile per-packet one-way delay: 54.144 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 86.45 Mbit/s

95th percentile per-packet one-way delay: 53.957 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 55.040 ms

Loss rate: 0.00%

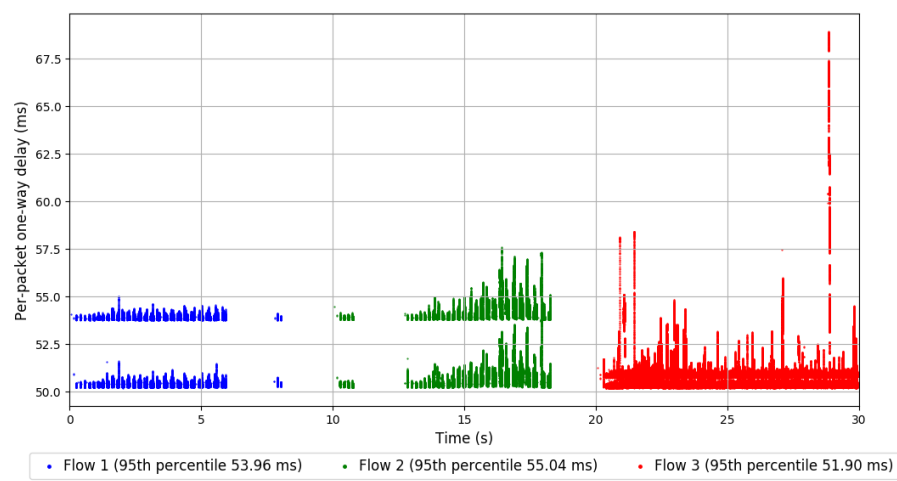
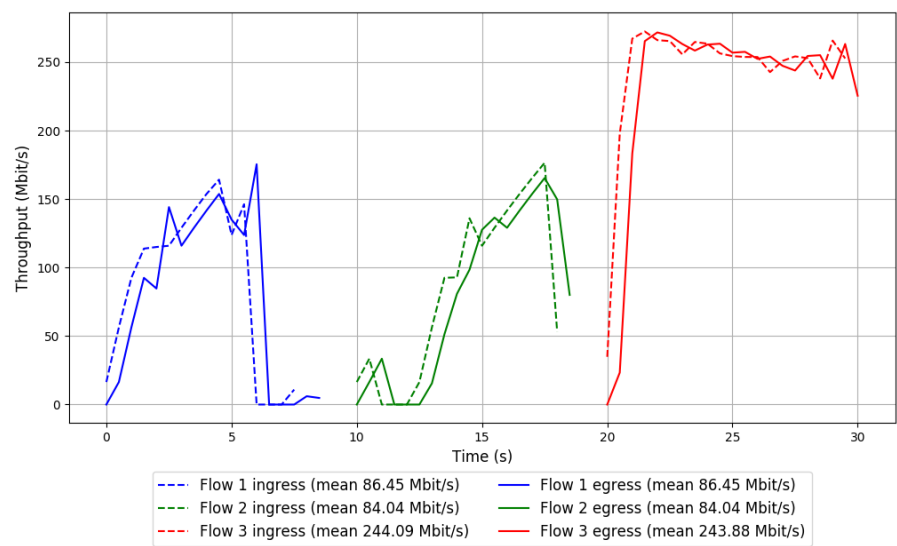
-- Flow 3:

Average throughput: 243.88 Mbit/s

95th percentile per-packet one-way delay: 51.897 ms

Loss rate: 1.11%

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

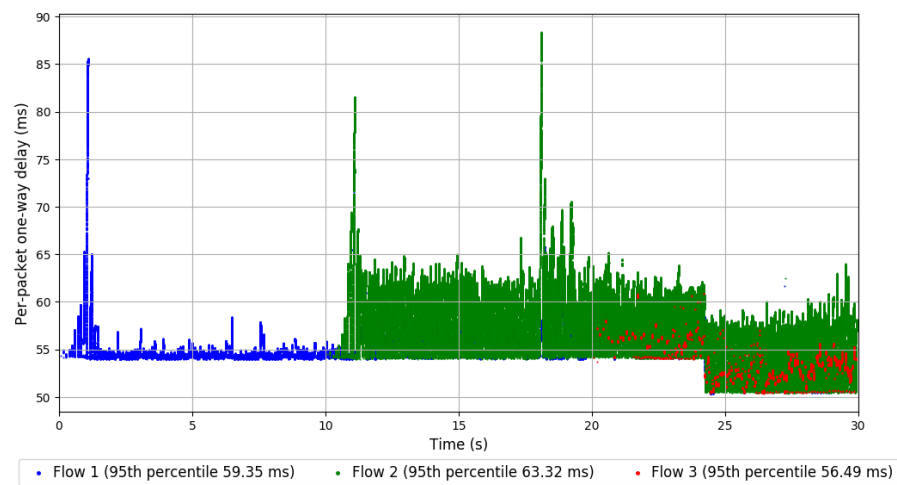
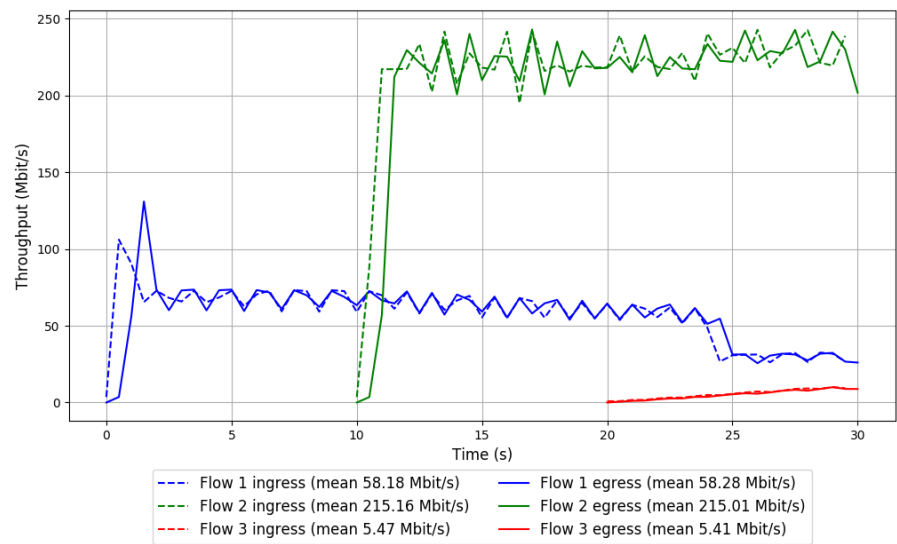


Run 1: Statistics of TCP Vegas

Start at: 2018-07-27 08:18:53
End at: 2018-07-27 08:19:23
Local clock offset: 0.14 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-07-27 15:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.95 Mbit/s
95th percentile per-packet one-way delay: 62.958 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 58.28 Mbit/s
95th percentile per-packet one-way delay: 59.349 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 215.01 Mbit/s
95th percentile per-packet one-way delay: 63.323 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 56.487 ms
Loss rate: 2.19%

Run 1: Report of TCP Vegas — Data Link

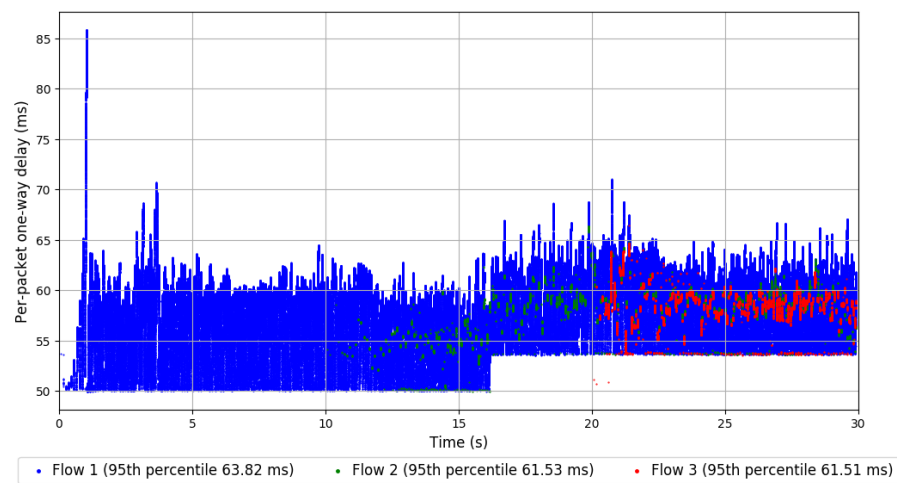
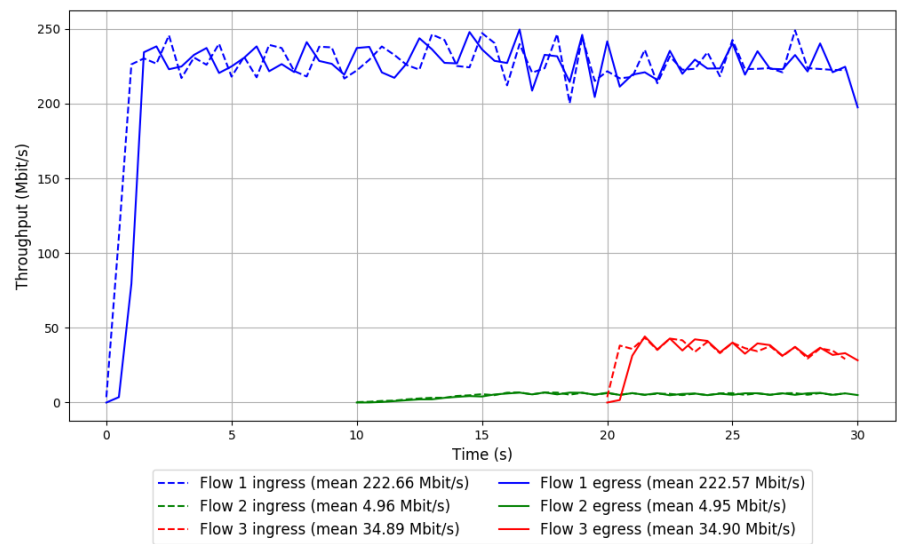


Run 2: Statistics of TCP Vegas

Start at: 2018-07-27 08:43:11
End at: 2018-07-27 08:43:41
Local clock offset: 0.032 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-27 15:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.37 Mbit/s
95th percentile per-packet one-way delay: 63.747 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 222.57 Mbit/s
95th percentile per-packet one-way delay: 63.821 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 61.534 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 61.507 ms
Loss rate: 1.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-27 09:07:44

End at: 2018-07-27 09:08:14

Local clock offset: 0.227 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-07-27 15:24:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 323.02 Mbit/s

95th percentile per-packet one-way delay: 65.399 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 163.24 Mbit/s

95th percentile per-packet one-way delay: 63.037 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 140.64 Mbit/s

95th percentile per-packet one-way delay: 61.052 ms

Loss rate: 0.55%

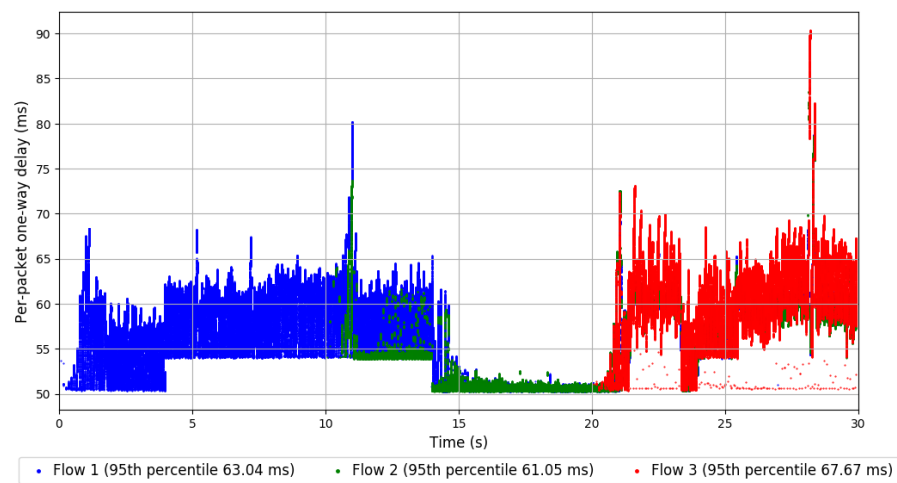
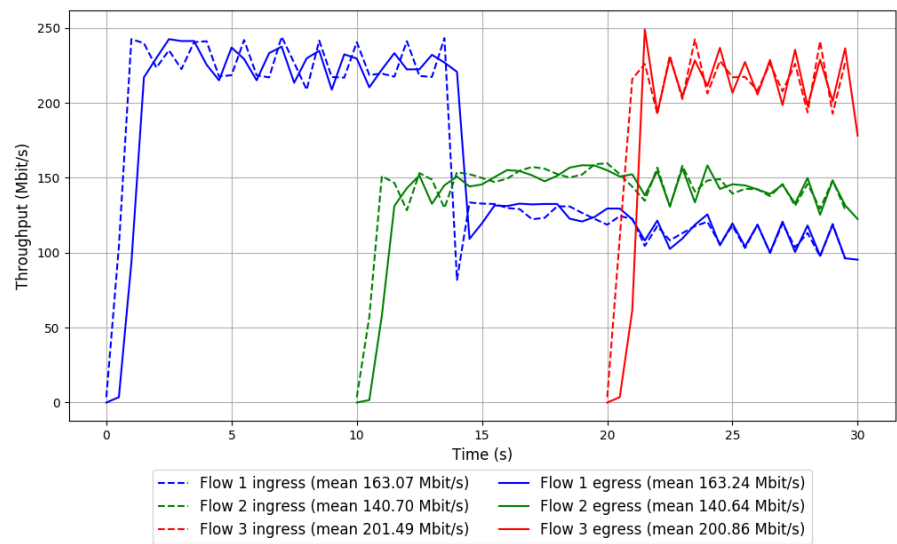
-- Flow 3:

Average throughput: 200.86 Mbit/s

95th percentile per-packet one-way delay: 67.665 ms

Loss rate: 1.33%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-27 09:32:12

End at: 2018-07-27 09:32:42

Local clock offset: -0.181 ms

Remote clock offset: 1.223 ms

Below is generated by plot.py at 2018-07-27 15:24:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 260.09 Mbit/s

95th percentile per-packet one-way delay: 62.384 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 199.02 Mbit/s

95th percentile per-packet one-way delay: 62.734 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 89.07 Mbit/s

95th percentile per-packet one-way delay: 55.775 ms

Loss rate: 0.58%

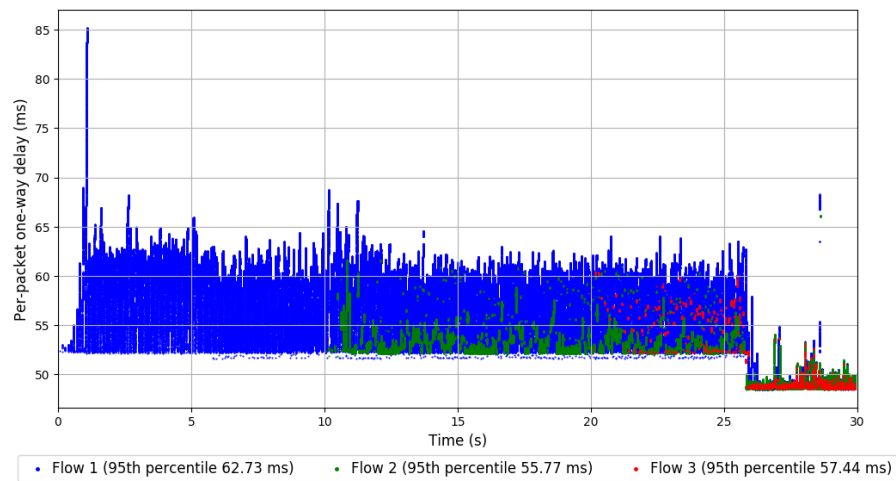
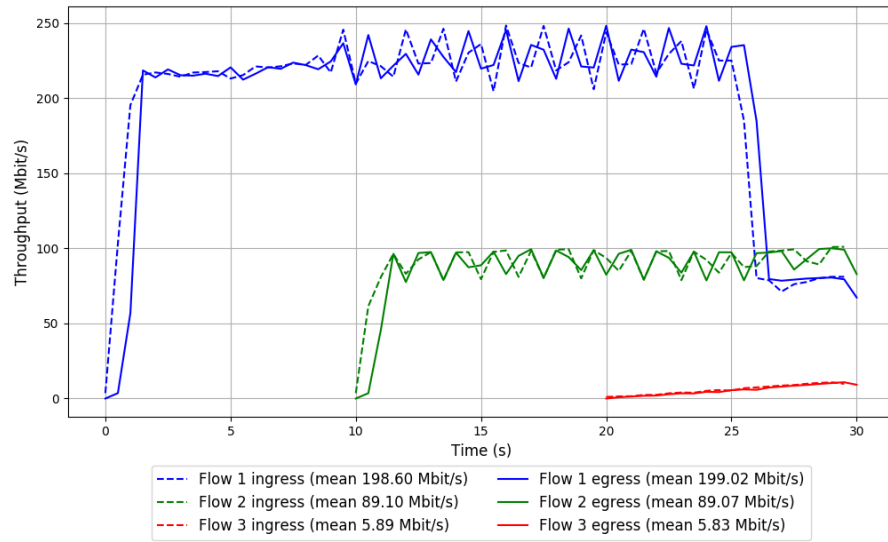
-- Flow 3:

Average throughput: 5.83 Mbit/s

95th percentile per-packet one-way delay: 57.440 ms

Loss rate: 2.03%

Run 4: Report of TCP Vegas — Data Link

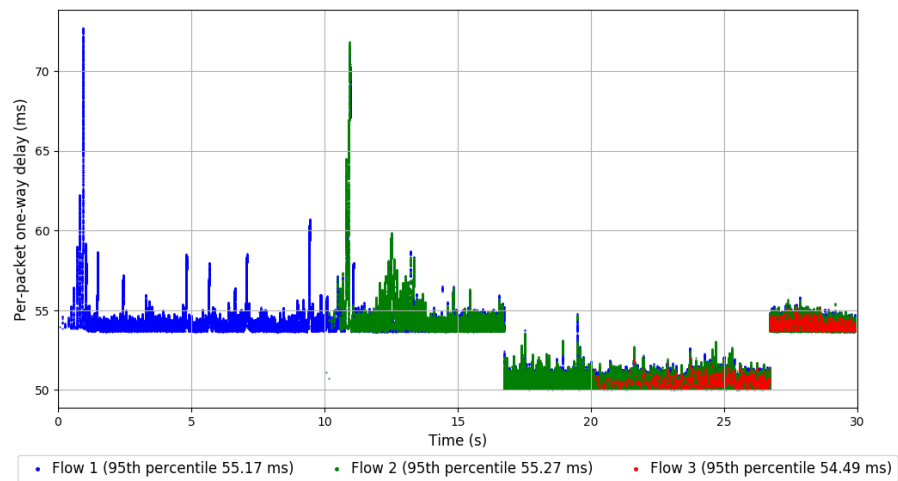
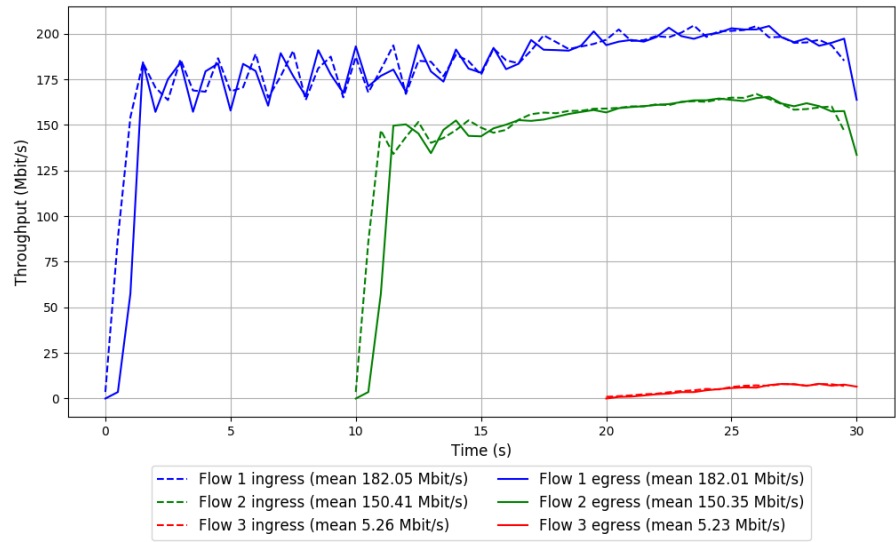


Run 5: Statistics of TCP Vegas

Start at: 2018-07-27 09:56:51
End at: 2018-07-27 09:57:21
Local clock offset: 0.042 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-27 15:25:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.71 Mbit/s
95th percentile per-packet one-way delay: 55.195 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 182.01 Mbit/s
95th percentile per-packet one-way delay: 55.168 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 150.35 Mbit/s
95th percentile per-packet one-way delay: 55.265 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 54.492 ms
Loss rate: 1.68%

Run 5: Report of TCP Vegas — Data Link

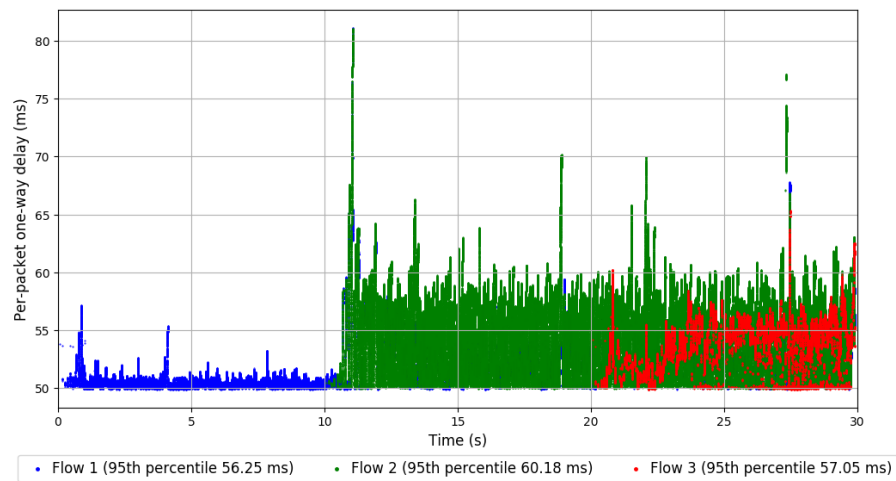
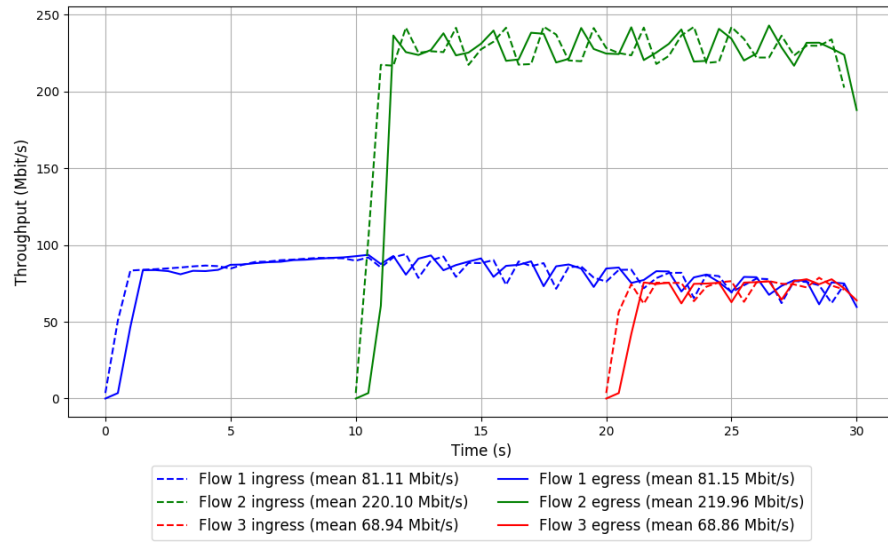


Run 6: Statistics of TCP Vegas

Start at: 2018-07-27 10:21:28
End at: 2018-07-27 10:21:58
Local clock offset: -0.014 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-27 15:25:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.94 Mbit/s
95th percentile per-packet one-way delay: 59.509 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 81.15 Mbit/s
95th percentile per-packet one-way delay: 56.246 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 219.96 Mbit/s
95th percentile per-packet one-way delay: 60.179 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 57.046 ms
Loss rate: 1.16%

Run 6: Report of TCP Vegas — Data Link

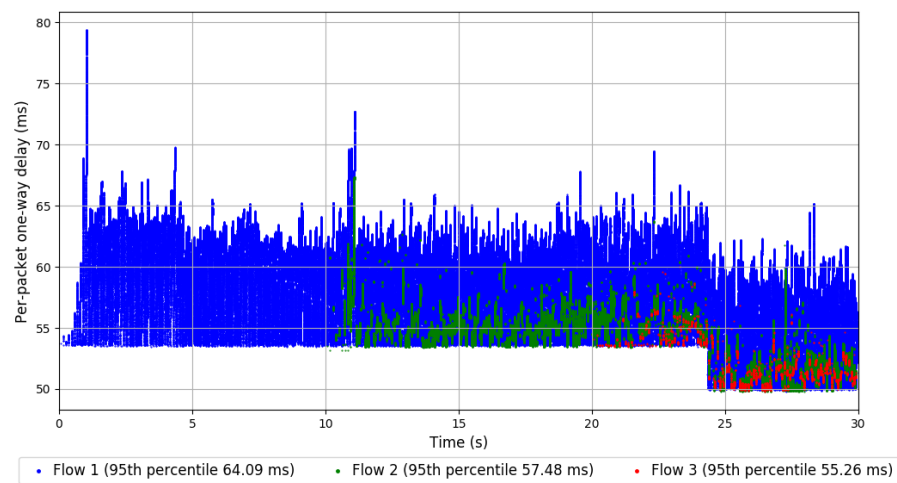
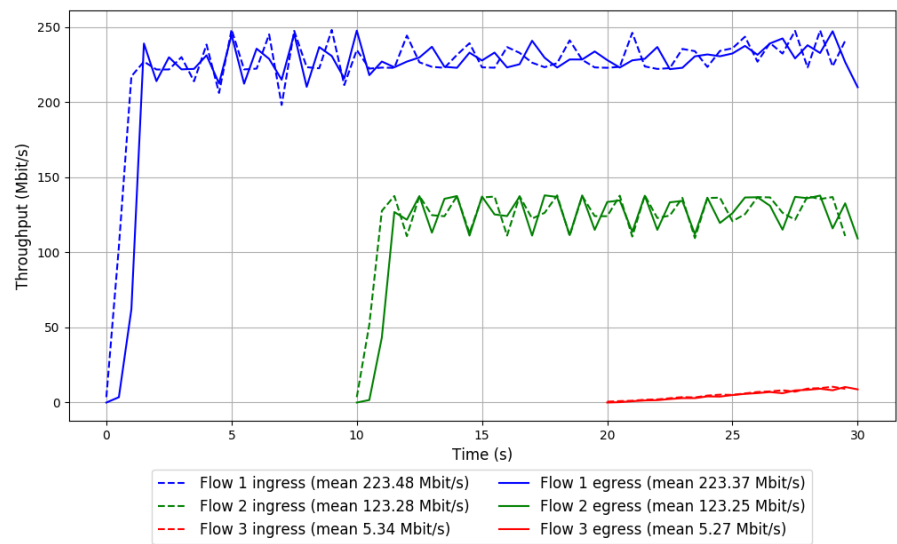


Run 7: Statistics of TCP Vegas

Start at: 2018-07-27 10:45:53
End at: 2018-07-27 10:46:23
Local clock offset: 0.017 ms
Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-07-27 15:26:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.91 Mbit/s
95th percentile per-packet one-way delay: 63.685 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 223.37 Mbit/s
95th percentile per-packet one-way delay: 64.089 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 123.25 Mbit/s
95th percentile per-packet one-way delay: 57.478 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 55.256 ms
Loss rate: 2.29%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-27 11:10:23

End at: 2018-07-27 11:10:53

Local clock offset: 0.173 ms

Remote clock offset: 1.089 ms

Below is generated by plot.py at 2018-07-27 15:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.86 Mbit/s

95th percentile per-packet one-way delay: 61.008 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 188.86 Mbit/s

95th percentile per-packet one-way delay: 61.191 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 54.175 ms

Loss rate: 0.65%

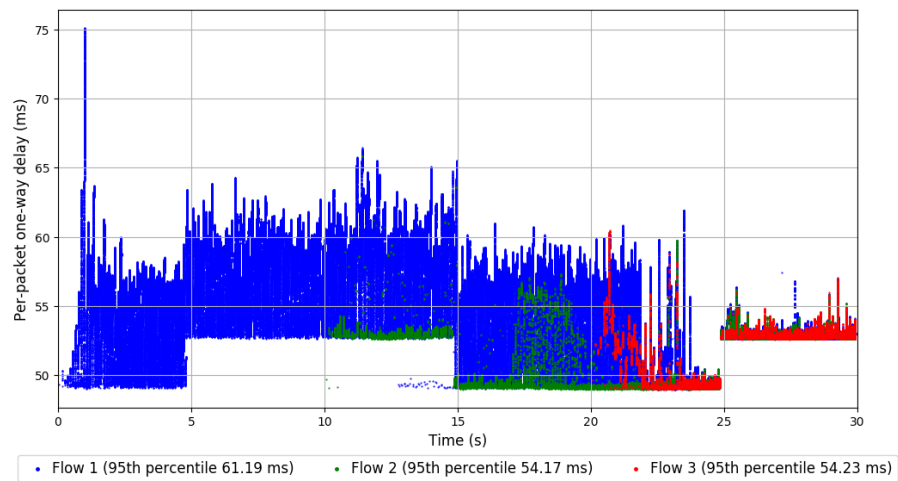
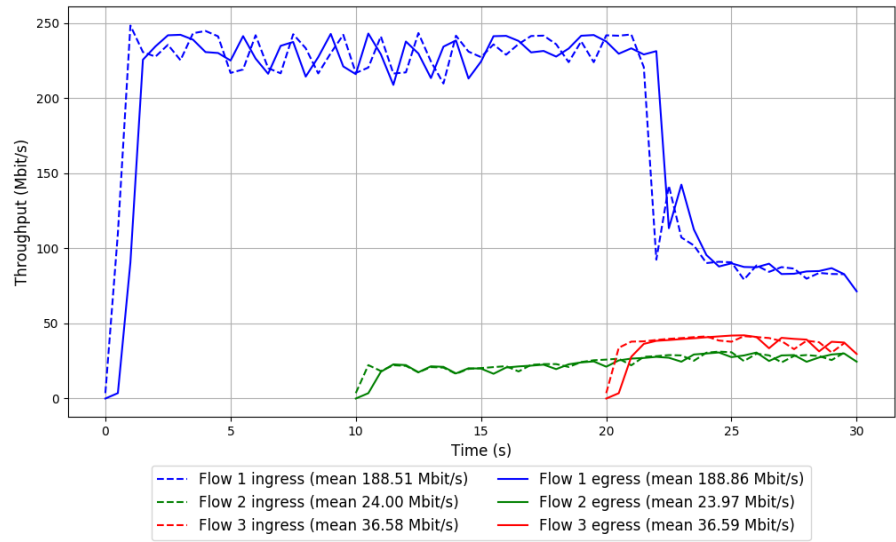
-- Flow 3:

Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 54.235 ms

Loss rate: 1.01%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-27 11:35:03

End at: 2018-07-27 11:35:33

Local clock offset: -0.064 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-27 15:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.50 Mbit/s

95th percentile per-packet one-way delay: 51.422 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 51.570 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 51.169 ms

Loss rate: 0.51%

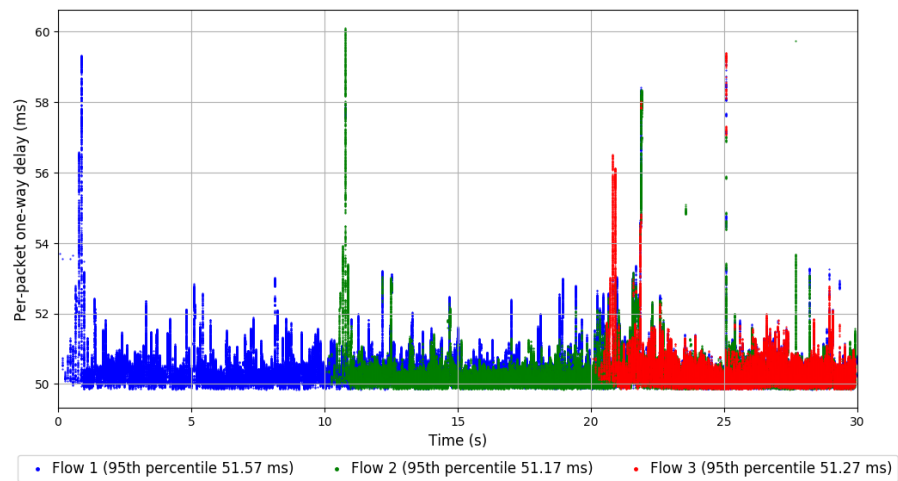
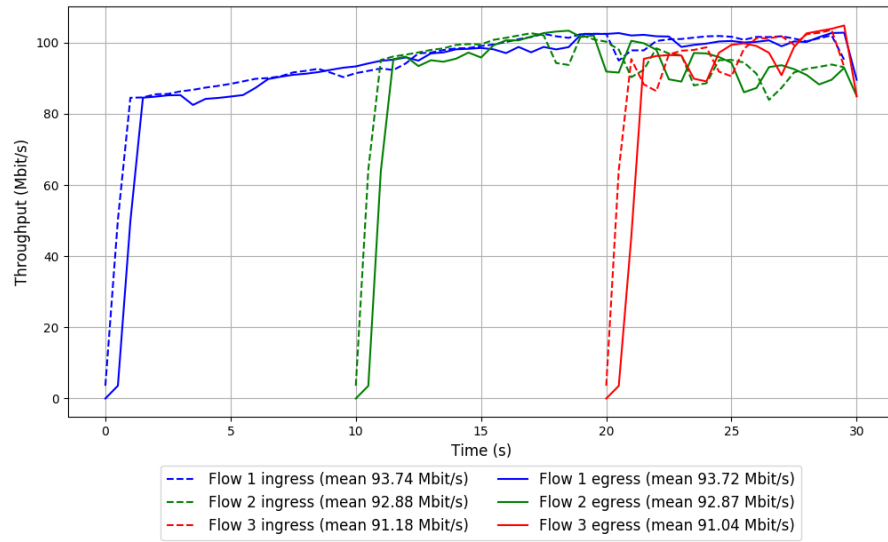
-- Flow 3:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 51.265 ms

Loss rate: 1.16%

Run 9: Report of TCP Vegas — Data Link

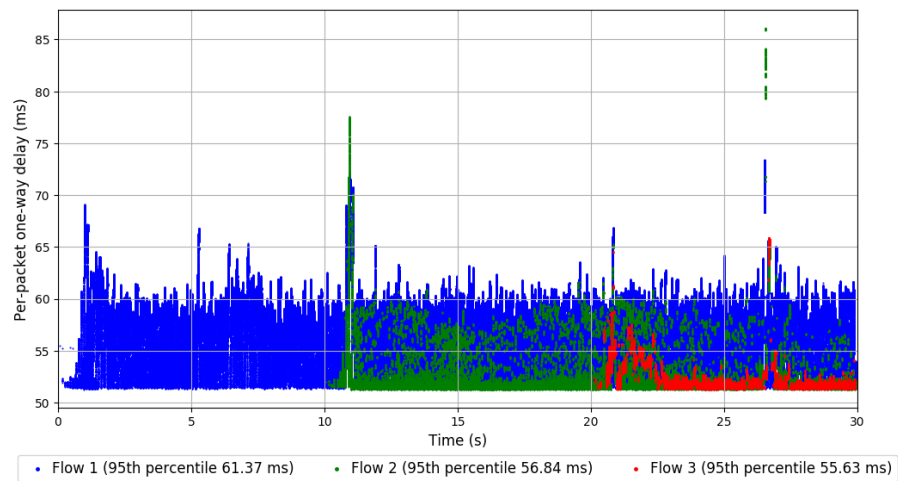
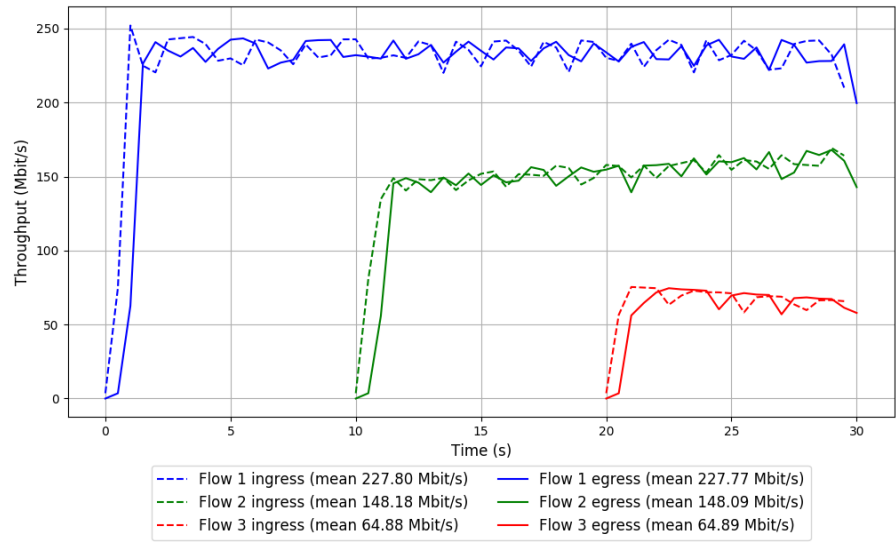


Run 10: Statistics of TCP Vegas

Start at: 2018-07-27 11:59:38
End at: 2018-07-27 12:00:08
Local clock offset: -0.116 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2018-07-27 15:31:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.66 Mbit/s
95th percentile per-packet one-way delay: 60.920 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 227.77 Mbit/s
95th percentile per-packet one-way delay: 61.365 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 148.09 Mbit/s
95th percentile per-packet one-way delay: 56.845 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 55.628 ms
Loss rate: 1.02%

Run 10: Report of TCP Vegas — Data Link

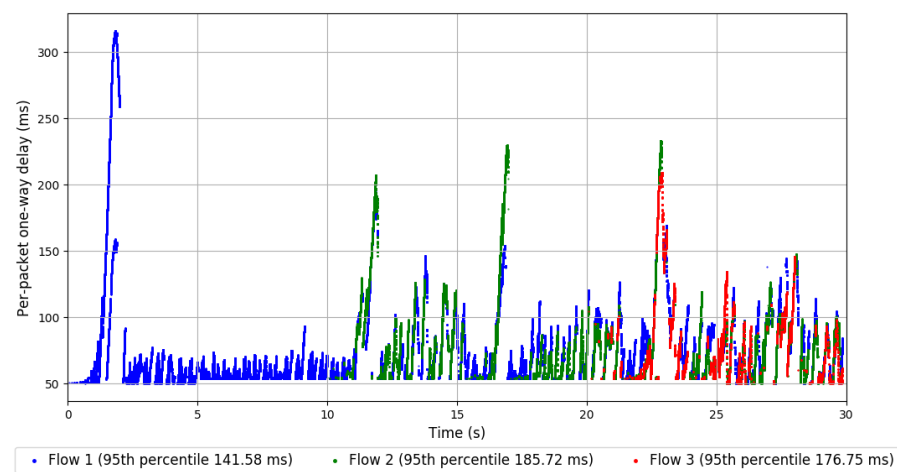
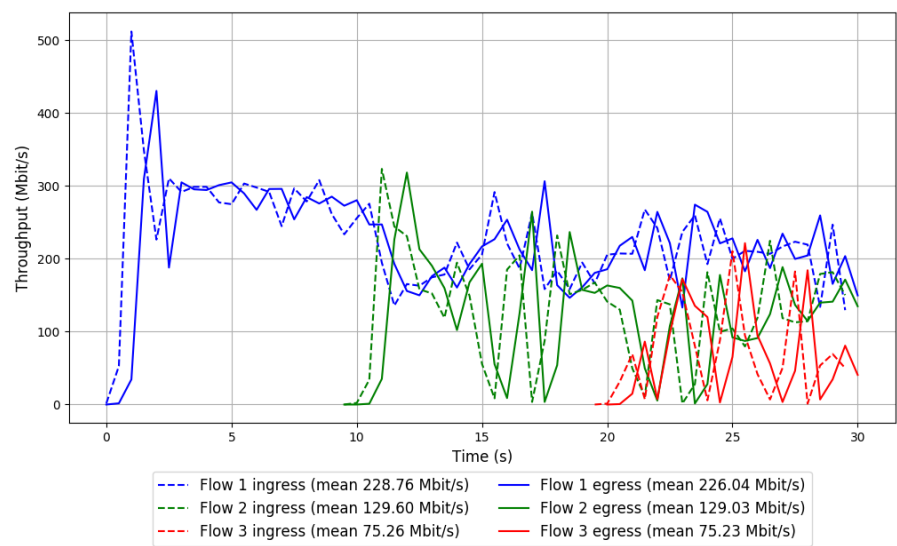


Run 1: Statistics of Verus

Start at: 2018-07-27 08:25:32
End at: 2018-07-27 08:26:02
Local clock offset: 0.232 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-27 15:31:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.31 Mbit/s
95th percentile per-packet one-way delay: 156.394 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 226.04 Mbit/s
95th percentile per-packet one-way delay: 141.577 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 129.03 Mbit/s
95th percentile per-packet one-way delay: 185.717 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 75.23 Mbit/s
95th percentile per-packet one-way delay: 176.745 ms
Loss rate: 1.57%

Run 1: Report of Verus — Data Link

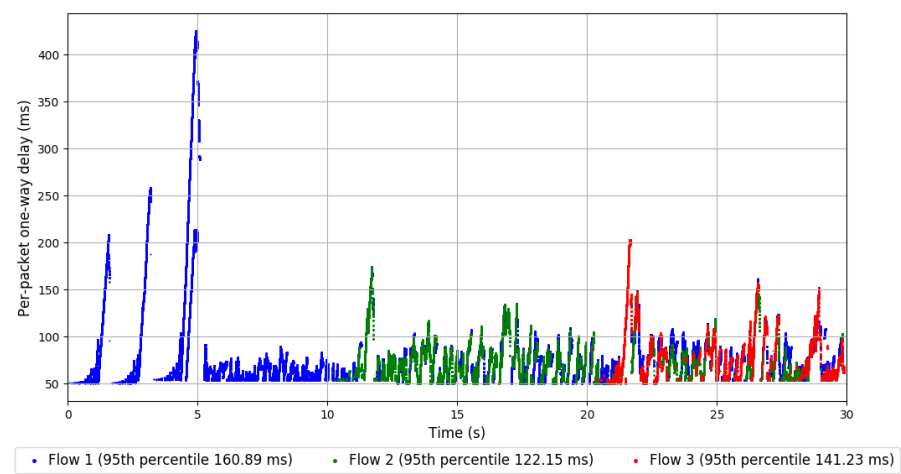
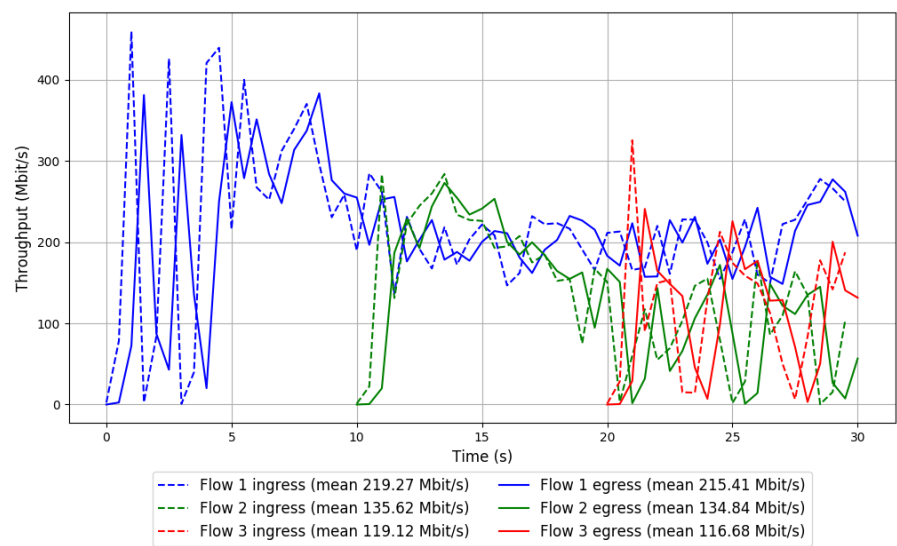


Run 2: Statistics of Verus

Start at: 2018-07-27 08:49:55
End at: 2018-07-27 08:50:25
Local clock offset: 0.062 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-27 15:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 343.38 Mbit/s
95th percentile per-packet one-way delay: 142.754 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 215.41 Mbit/s
95th percentile per-packet one-way delay: 160.894 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 134.84 Mbit/s
95th percentile per-packet one-way delay: 122.150 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 116.68 Mbit/s
95th percentile per-packet one-way delay: 141.232 ms
Loss rate: 3.05%

Run 2: Report of Verus — Data Link

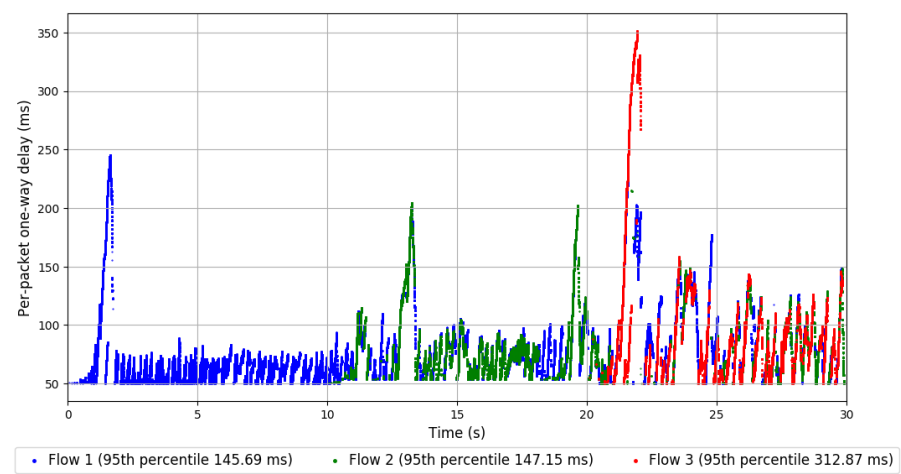
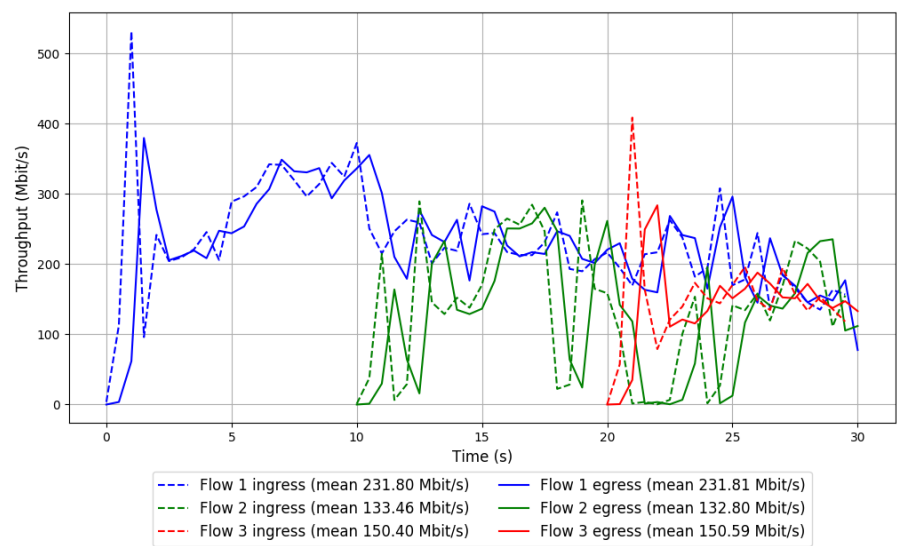


Run 3: Statistics of Verus

Start at: 2018-07-27 09:14:27
End at: 2018-07-27 09:14:57
Local clock offset: 0.112 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-27 15:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.46 Mbit/s
95th percentile per-packet one-way delay: 156.272 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 231.81 Mbit/s
95th percentile per-packet one-way delay: 145.695 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 132.80 Mbit/s
95th percentile per-packet one-way delay: 147.154 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 150.59 Mbit/s
95th percentile per-packet one-way delay: 312.867 ms
Loss rate: 1.47%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-27 09:38:58

End at: 2018-07-27 09:39:28

Local clock offset: -0.187 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-27 15:32:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.75 Mbit/s

95th percentile per-packet one-way delay: 177.255 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 157.90 Mbit/s

95th percentile per-packet one-way delay: 196.918 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 177.36 Mbit/s

95th percentile per-packet one-way delay: 169.654 ms

Loss rate: 0.79%

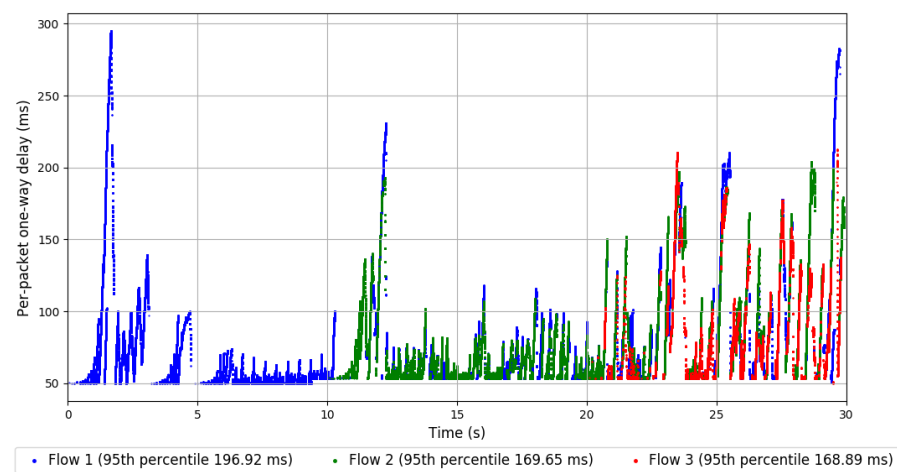
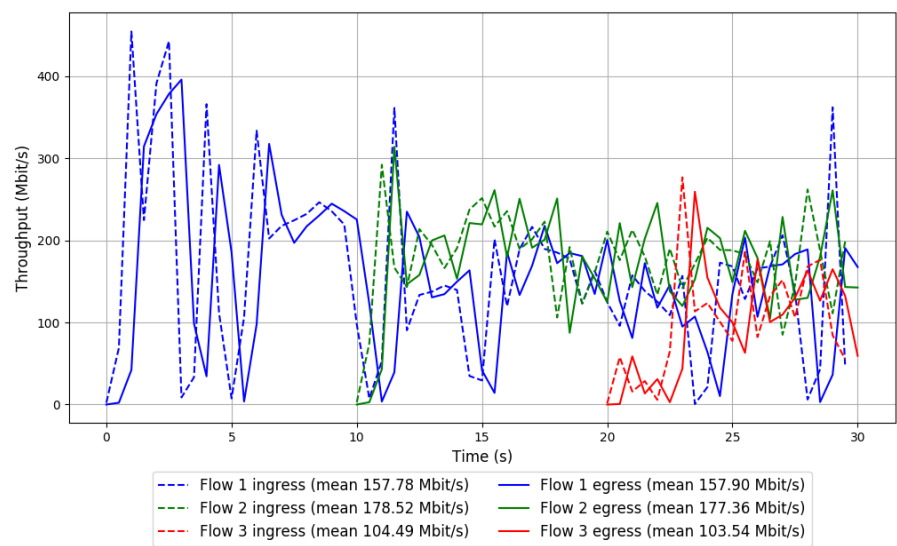
-- Flow 3:

Average throughput: 103.54 Mbit/s

95th percentile per-packet one-way delay: 168.888 ms

Loss rate: 0.04%

Run 4: Report of Verus — Data Link

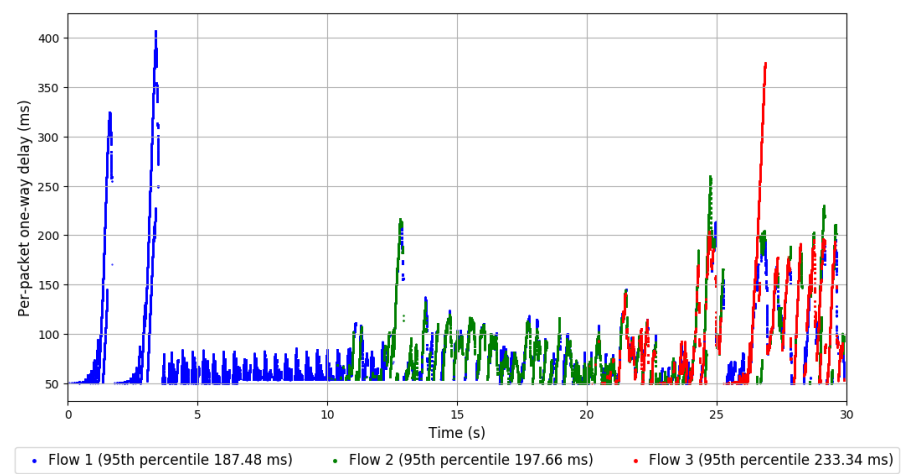
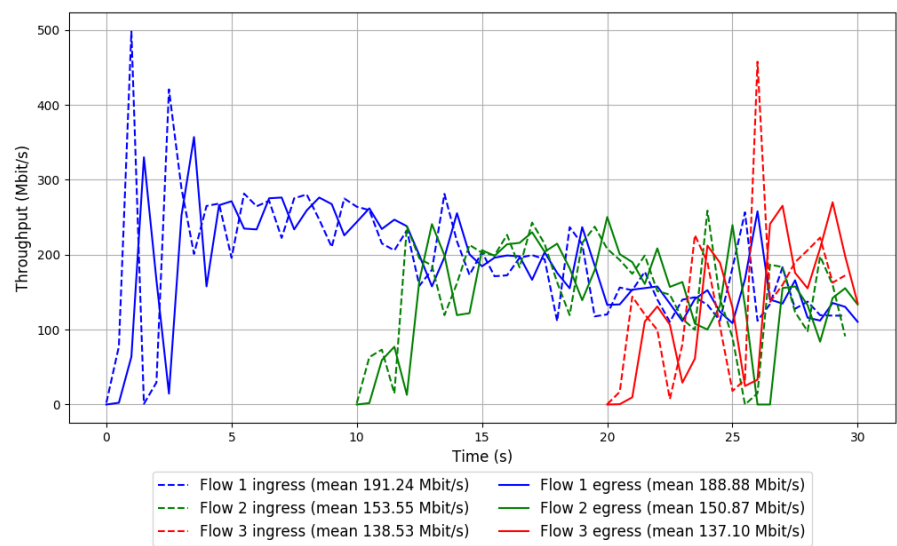


Run 5: Statistics of Verus

Start at: 2018-07-27 10:03:51
End at: 2018-07-27 10:04:21
Local clock offset: -0.104 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-27 15:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.13 Mbit/s
95th percentile per-packet one-way delay: 195.199 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 188.88 Mbit/s
95th percentile per-packet one-way delay: 187.483 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 150.87 Mbit/s
95th percentile per-packet one-way delay: 197.663 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 137.10 Mbit/s
95th percentile per-packet one-way delay: 233.342 ms
Loss rate: 2.24%

Run 5: Report of Verus — Data Link

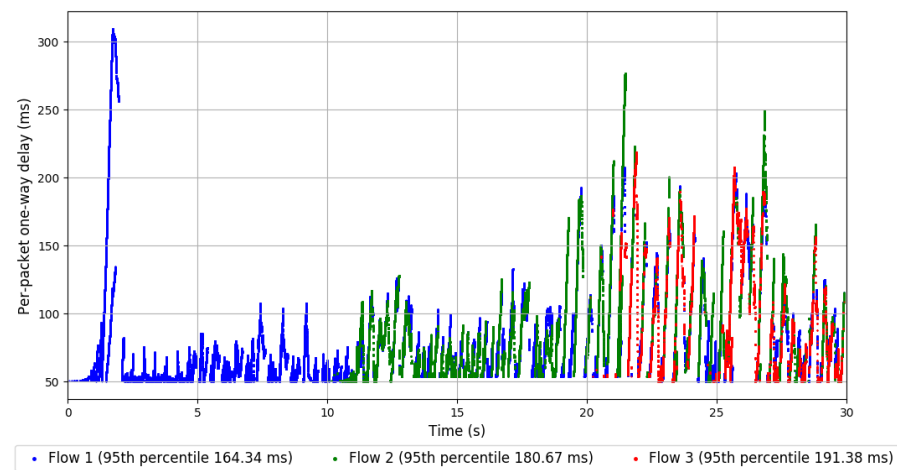
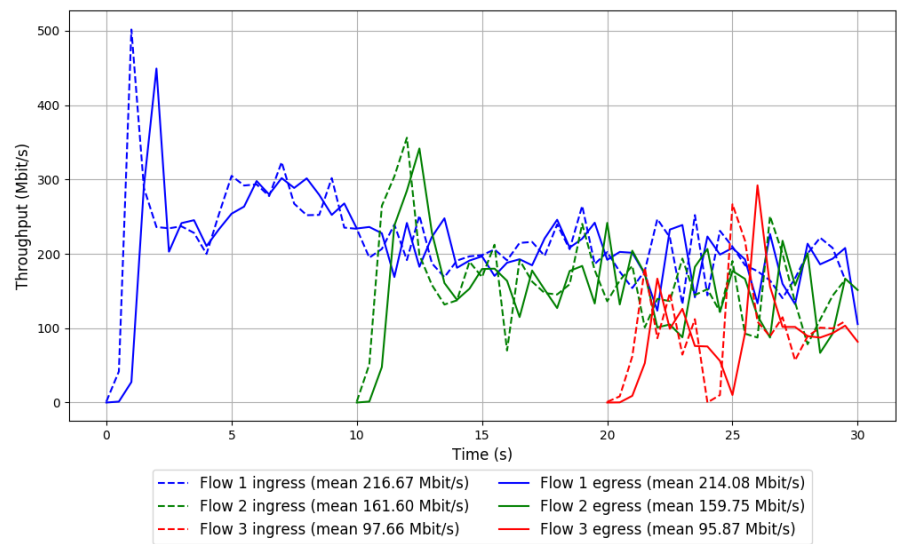


Run 6: Statistics of Verus

Start at: 2018-07-27 10:28:25
End at: 2018-07-27 10:28:55
Local clock offset: 0.027 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-27 15:33:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.62 Mbit/s
95th percentile per-packet one-way delay: 176.777 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 214.08 Mbit/s
95th percentile per-packet one-way delay: 164.335 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 159.75 Mbit/s
95th percentile per-packet one-way delay: 180.671 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 191.383 ms
Loss rate: 2.80%

Run 6: Report of Verus — Data Link

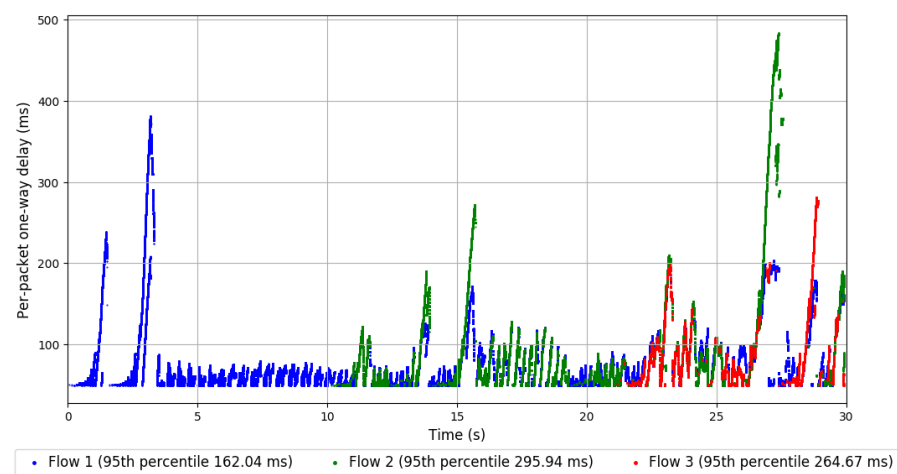
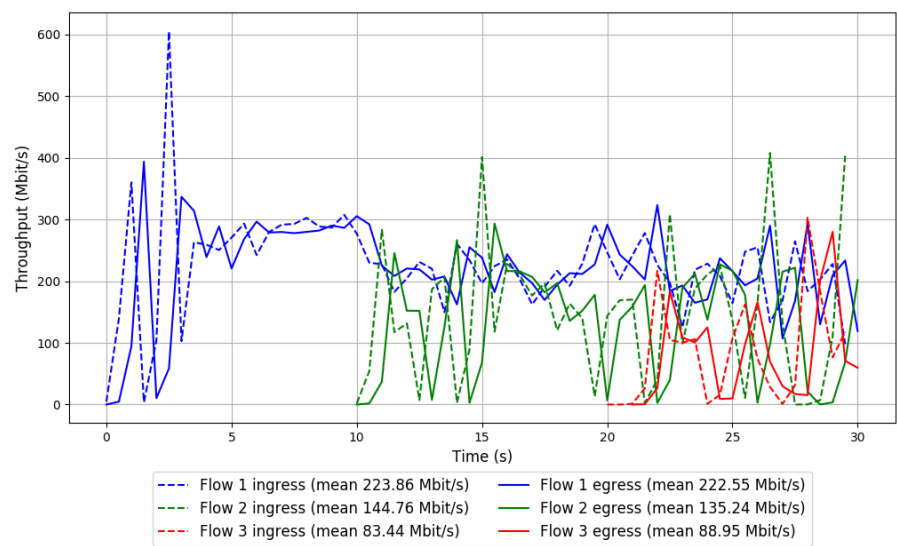


Run 7: Statistics of Verus

Start at: 2018-07-27 10:52:41
End at: 2018-07-27 10:53:11
Local clock offset: -0.146 ms
Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-07-27 15:34:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.73 Mbit/s
95th percentile per-packet one-way delay: 196.767 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 222.55 Mbit/s
95th percentile per-packet one-way delay: 162.037 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 135.24 Mbit/s
95th percentile per-packet one-way delay: 295.944 ms
Loss rate: 7.09%
-- Flow 3:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 264.671 ms
Loss rate: 5.22%

Run 7: Report of Verus — Data Link

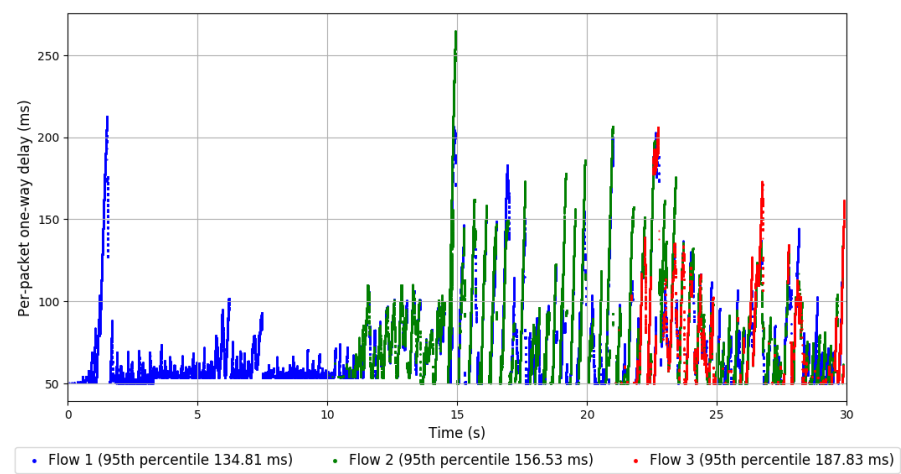
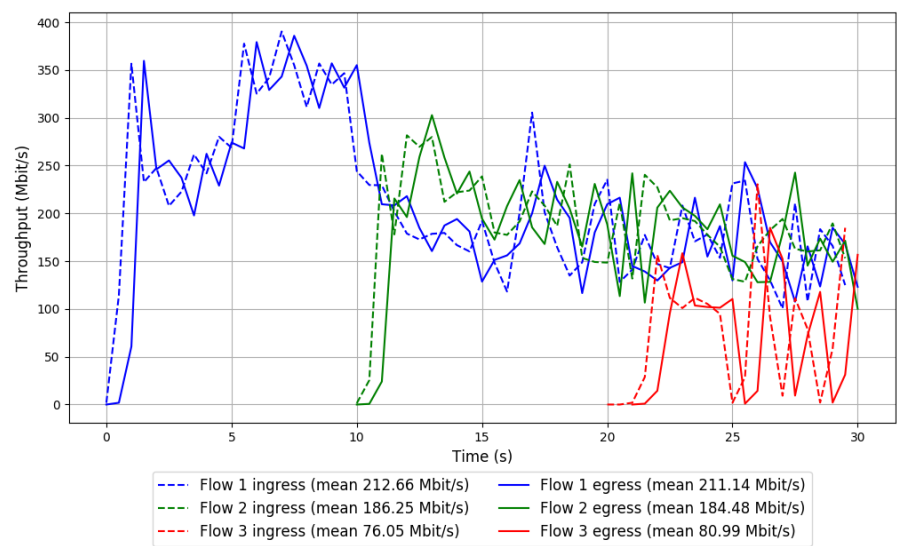


Run 8: Statistics of Verus

Start at: 2018-07-27 11:17:04
End at: 2018-07-27 11:17:34
Local clock offset: 0.038 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-27 15:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.60 Mbit/s
95th percentile per-packet one-way delay: 150.629 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 211.14 Mbit/s
95th percentile per-packet one-way delay: 134.813 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 184.48 Mbit/s
95th percentile per-packet one-way delay: 156.529 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 80.99 Mbit/s
95th percentile per-packet one-way delay: 187.832 ms
Loss rate: 5.31%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-27 11:41:59

End at: 2018-07-27 11:42:29

Local clock offset: -0.139 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-27 15:38:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.26 Mbit/s

95th percentile per-packet one-way delay: 182.600 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 186.69 Mbit/s

95th percentile per-packet one-way delay: 195.810 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 167.91 Mbit/s

95th percentile per-packet one-way delay: 159.086 ms

Loss rate: 1.47%

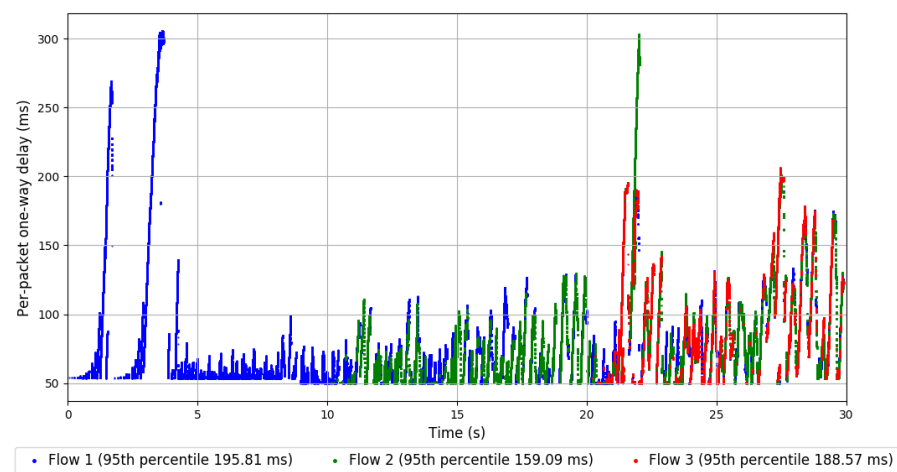
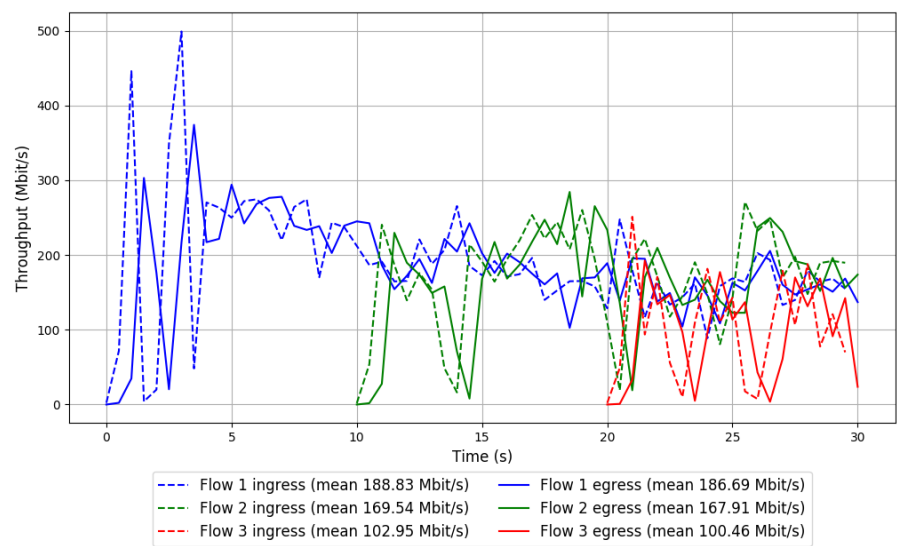
-- Flow 3:

Average throughput: 100.46 Mbit/s

95th percentile per-packet one-way delay: 188.566 ms

Loss rate: 3.54%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-27 12:06:26

End at: 2018-07-27 12:06:56

Local clock offset: -0.13 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-07-27 15:38:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 340.10 Mbit/s

95th percentile per-packet one-way delay: 163.753 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 226.05 Mbit/s

95th percentile per-packet one-way delay: 151.603 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 132.57 Mbit/s

95th percentile per-packet one-way delay: 162.091 ms

Loss rate: 0.40%

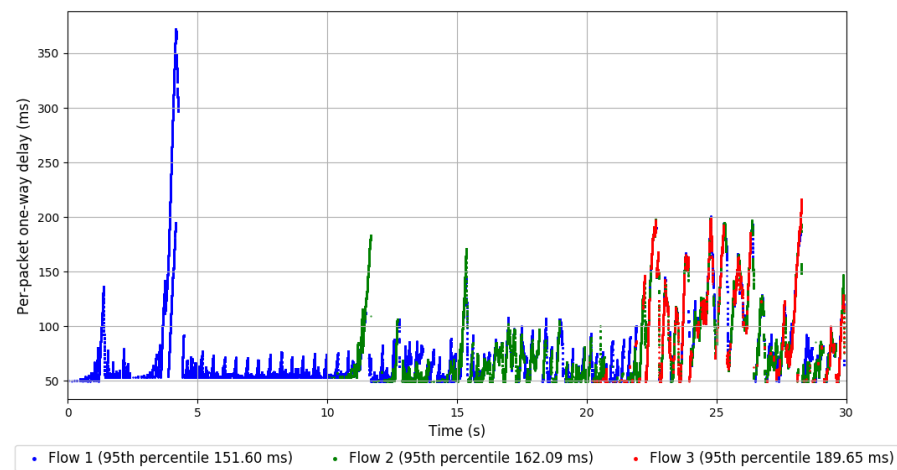
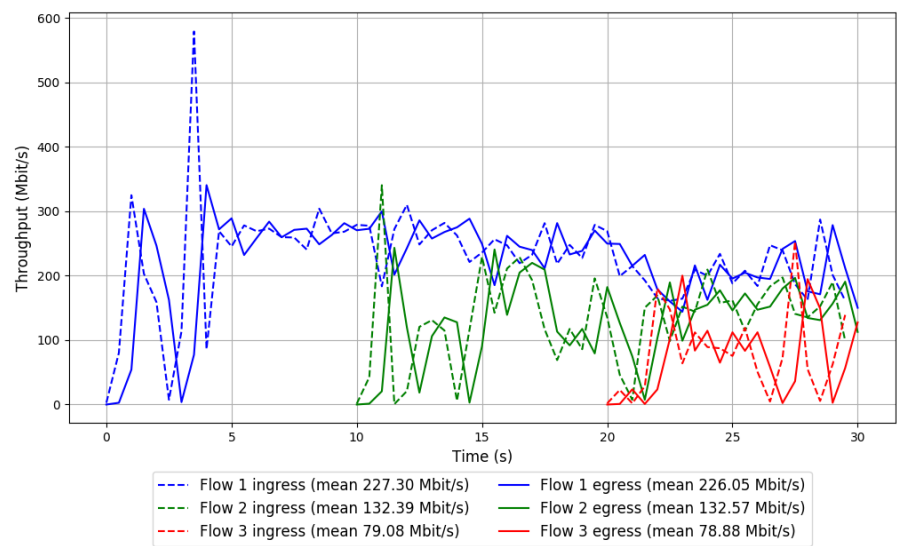
-- Flow 3:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 189.653 ms

Loss rate: 1.46%

Run 10: Report of Verus — Data Link

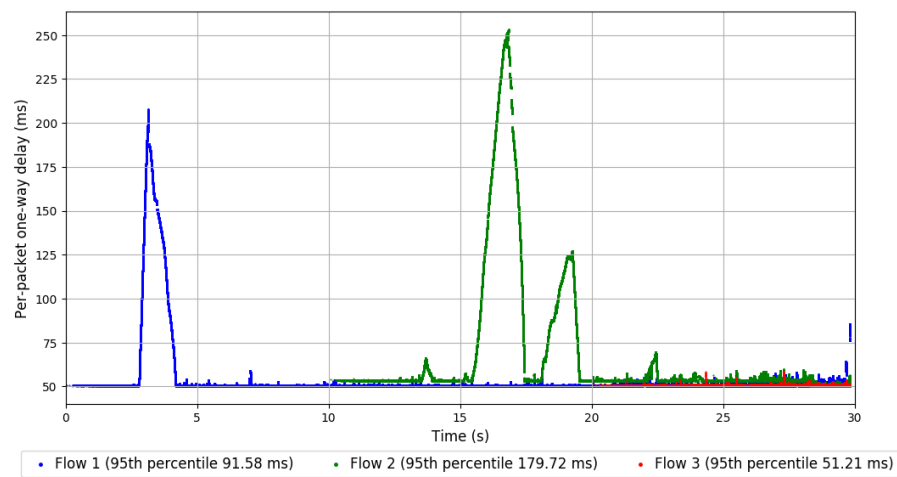
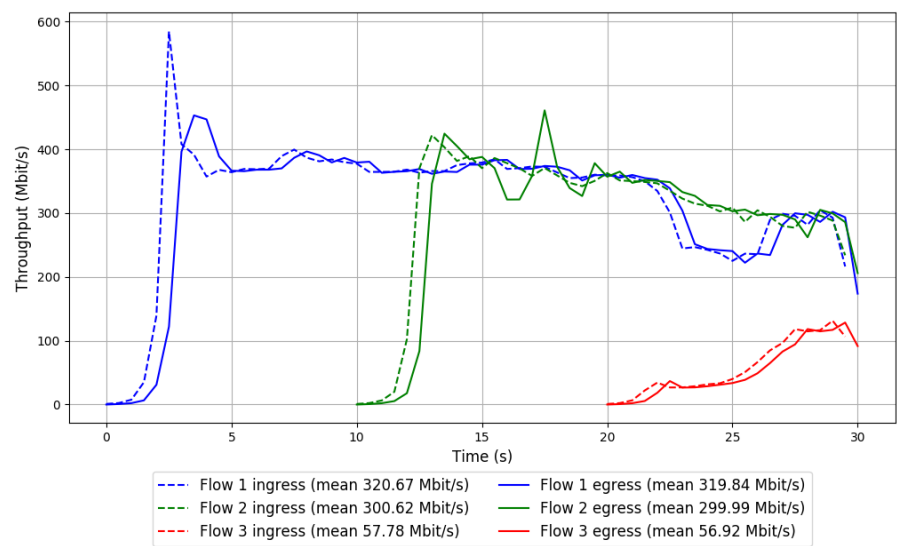


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-27 08:17:09
End at: 2018-07-27 08:17:39
Local clock offset: -0.034 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-27 15:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 537.61 Mbit/s
95th percentile per-packet one-way delay: 132.201 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 319.84 Mbit/s
95th percentile per-packet one-way delay: 91.576 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 299.99 Mbit/s
95th percentile per-packet one-way delay: 179.725 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 51.214 ms
Loss rate: 2.52%

Run 1: Report of PCC-Vivace — Data Link

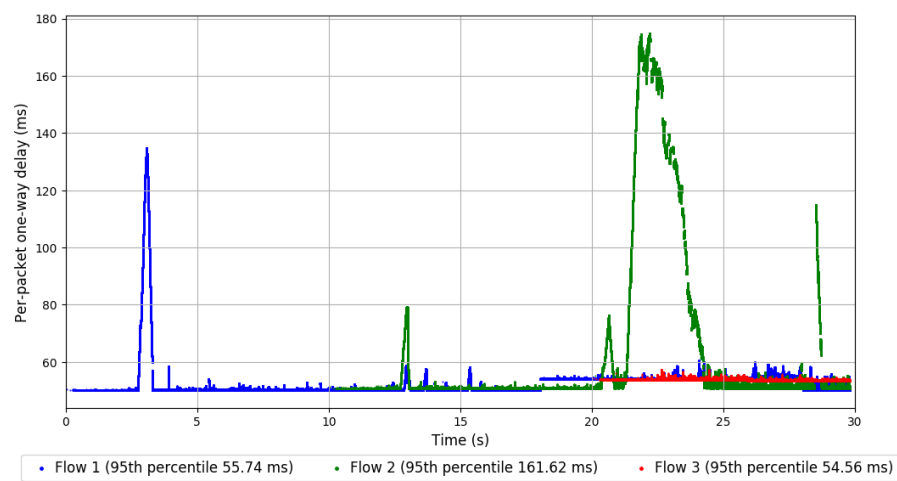
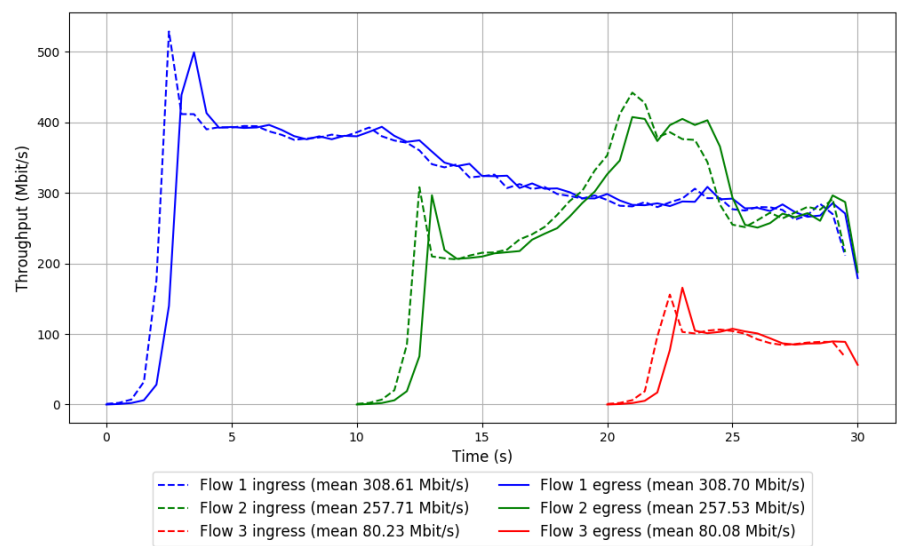


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-27 08:41:29
End at: 2018-07-27 08:41:59
Local clock offset: 0.045 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-07-27 15:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.94 Mbit/s
95th percentile per-packet one-way delay: 120.919 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 308.70 Mbit/s
95th percentile per-packet one-way delay: 55.743 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 257.53 Mbit/s
95th percentile per-packet one-way delay: 161.622 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 80.08 Mbit/s
95th percentile per-packet one-way delay: 54.562 ms
Loss rate: 1.27%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-27 09:06:01

End at: 2018-07-27 09:06:31

Local clock offset: 0.107 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-27 15:44:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 511.59 Mbit/s

95th percentile per-packet one-way delay: 56.602 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 305.67 Mbit/s

95th percentile per-packet one-way delay: 59.026 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 241.80 Mbit/s

95th percentile per-packet one-way delay: 56.140 ms

Loss rate: 0.61%

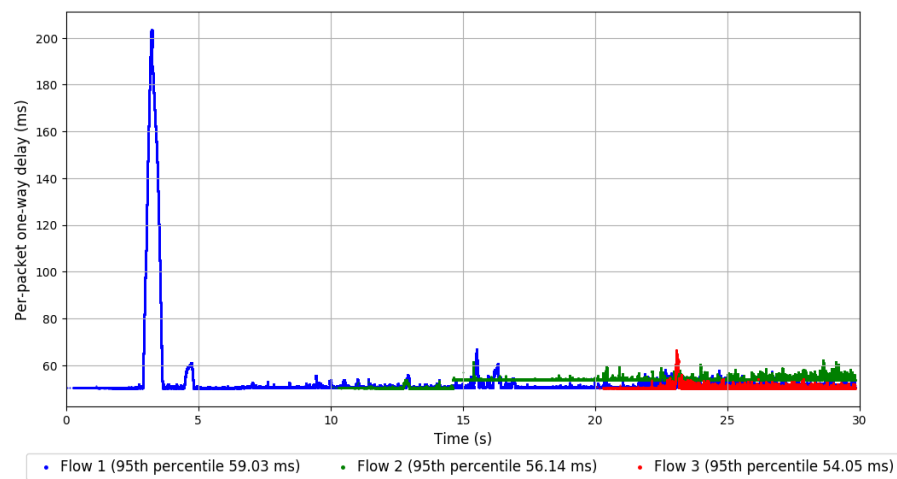
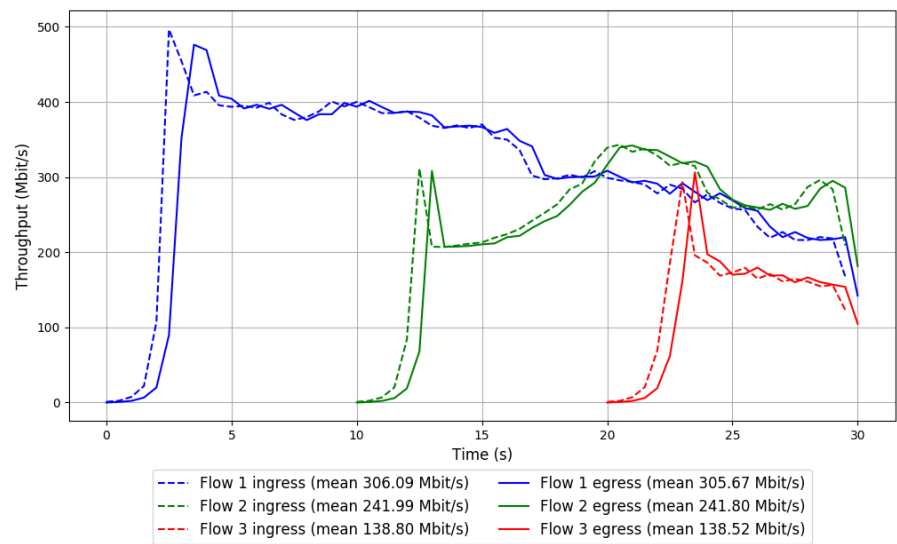
-- Flow 3:

Average throughput: 138.52 Mbit/s

95th percentile per-packet one-way delay: 54.055 ms

Loss rate: 1.26%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-27 09:30:25

End at: 2018-07-27 09:30:55

Local clock offset: -0.111 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-27 15:46:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 565.75 Mbit/s

95th percentile per-packet one-way delay: 62.760 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 328.05 Mbit/s

95th percentile per-packet one-way delay: 52.532 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 265.11 Mbit/s

95th percentile per-packet one-way delay: 88.816 ms

Loss rate: 0.40%

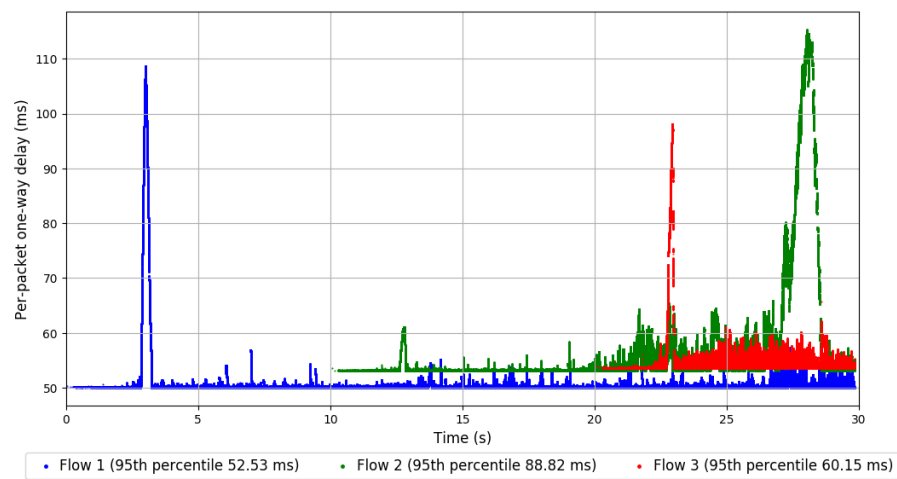
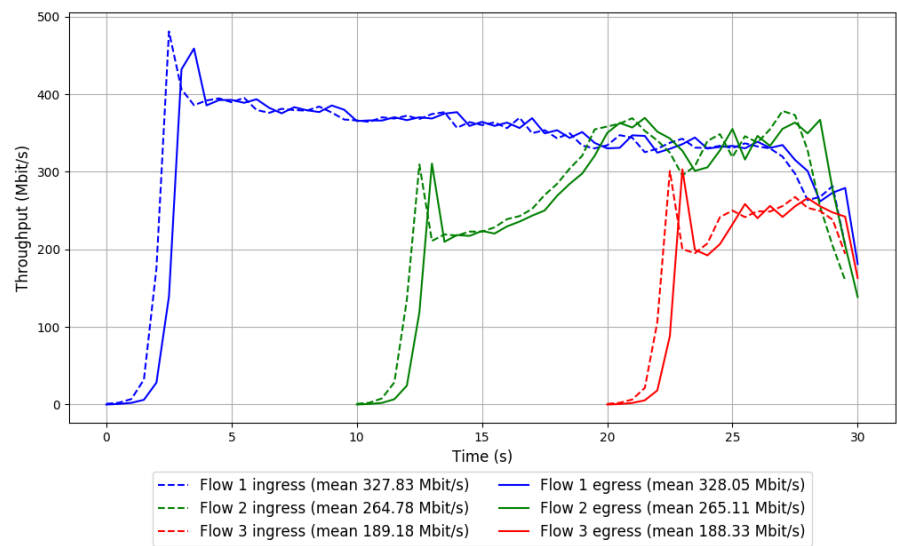
-- Flow 3:

Average throughput: 188.33 Mbit/s

95th percentile per-packet one-way delay: 60.147 ms

Loss rate: 1.50%

Run 4: Report of PCC-Vivace — Data Link

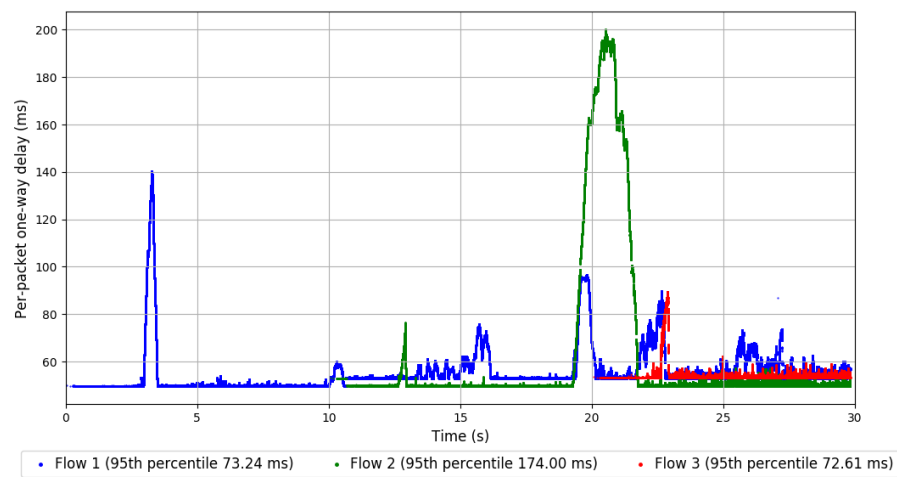
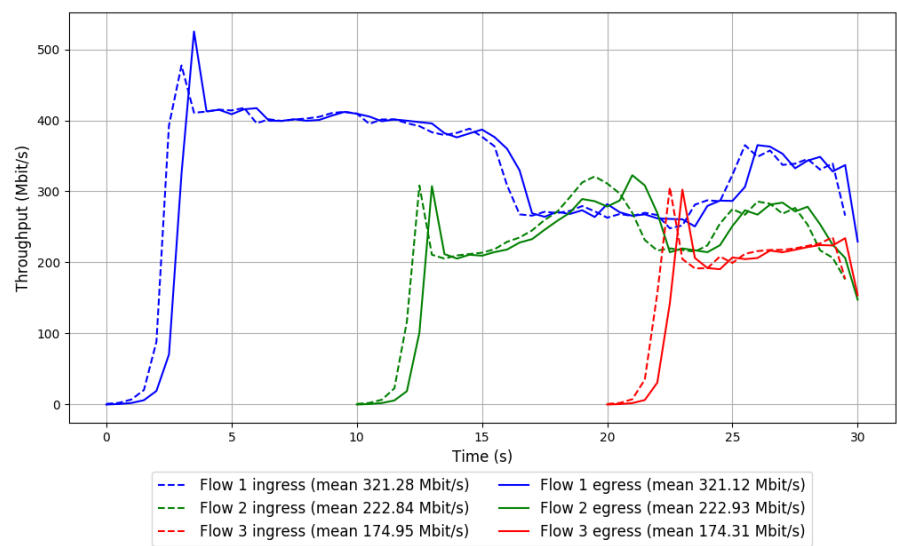


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-27 09:55:07
End at: 2018-07-27 09:55:37
Local clock offset: -0.208 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-27 15:47:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 526.16 Mbit/s
95th percentile per-packet one-way delay: 95.919 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 321.12 Mbit/s
95th percentile per-packet one-way delay: 73.236 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 222.93 Mbit/s
95th percentile per-packet one-way delay: 174.003 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 174.31 Mbit/s
95th percentile per-packet one-way delay: 72.615 ms
Loss rate: 1.46%

Run 5: Report of PCC-Vivace — Data Link

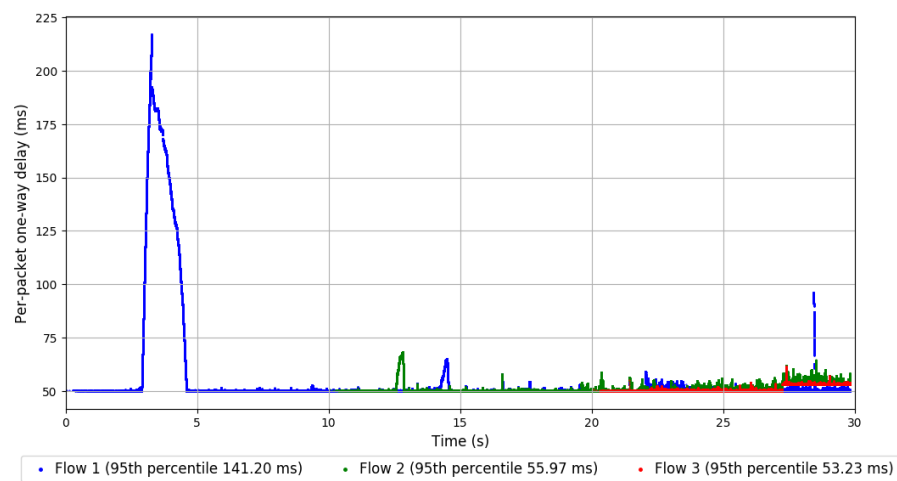
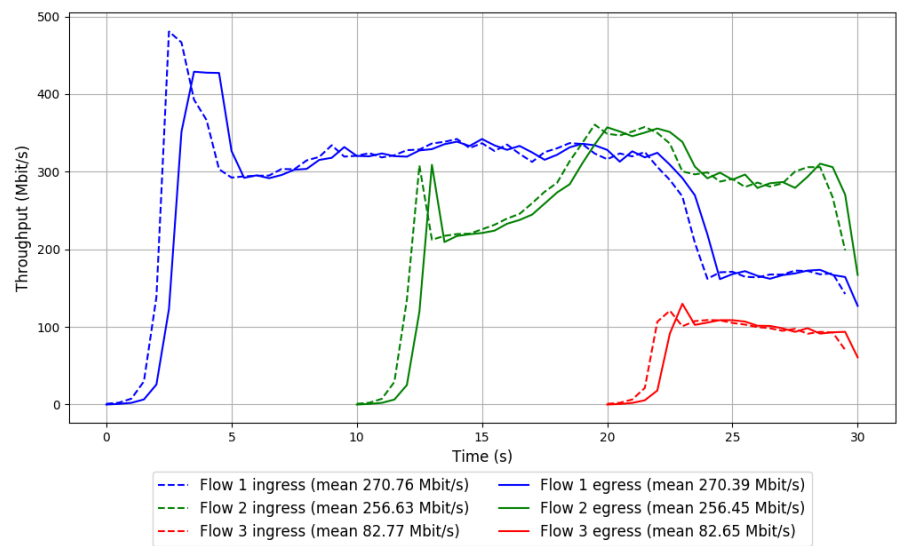


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-27 10:19:48
End at: 2018-07-27 10:20:18
Local clock offset: -0.045 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-07-27 15:49:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.73 Mbit/s
95th percentile per-packet one-way delay: 67.786 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 270.39 Mbit/s
95th percentile per-packet one-way delay: 141.199 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 256.45 Mbit/s
95th percentile per-packet one-way delay: 55.972 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 82.65 Mbit/s
95th percentile per-packet one-way delay: 53.235 ms
Loss rate: 1.18%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-27 10:44:15

End at: 2018-07-27 10:44:45

Local clock offset: 0.103 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2018-07-27 15:49:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 443.78 Mbit/s

95th percentile per-packet one-way delay: 54.451 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 261.08 Mbit/s

95th percentile per-packet one-way delay: 53.902 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 229.52 Mbit/s

95th percentile per-packet one-way delay: 55.658 ms

Loss rate: 0.60%

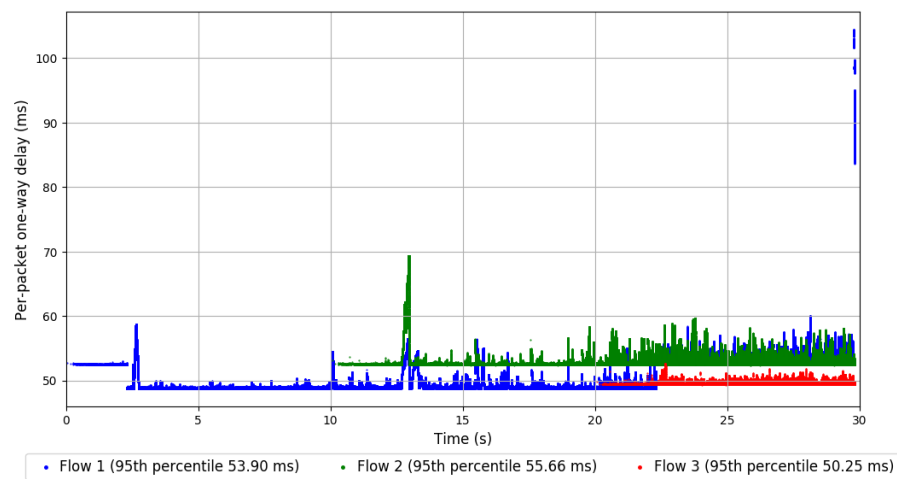
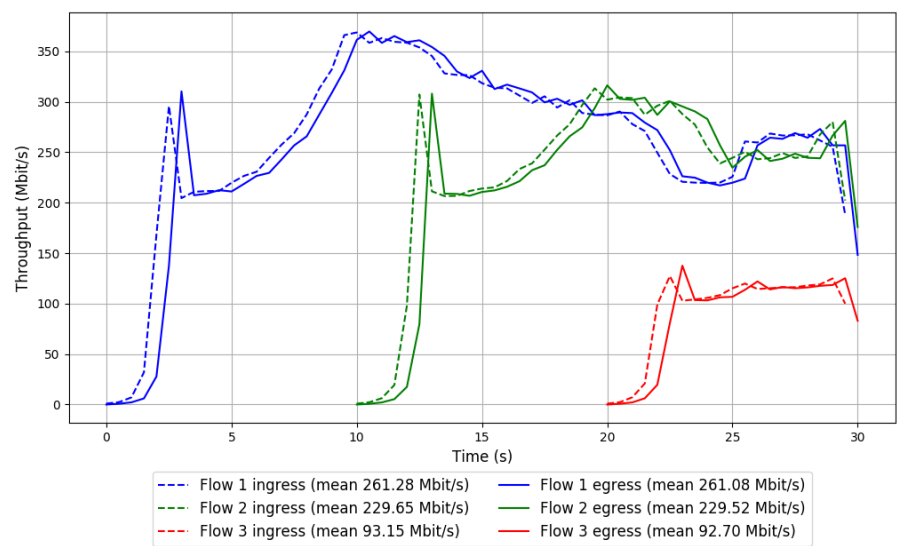
-- Flow 3:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 50.251 ms

Loss rate: 1.60%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-27 11:08:40

End at: 2018-07-27 11:09:10

Local clock offset: 0.001 ms

Remote clock offset: 1.008 ms

Below is generated by plot.py at 2018-07-27 15:49:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 505.36 Mbit/s

95th percentile per-packet one-way delay: 107.461 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 290.64 Mbit/s

95th percentile per-packet one-way delay: 173.121 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 246.37 Mbit/s

95th percentile per-packet one-way delay: 82.699 ms

Loss rate: 0.55%

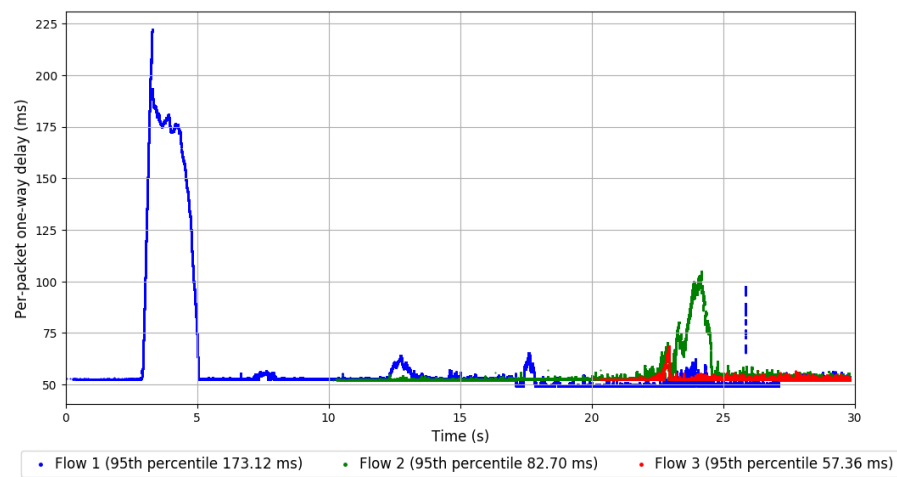
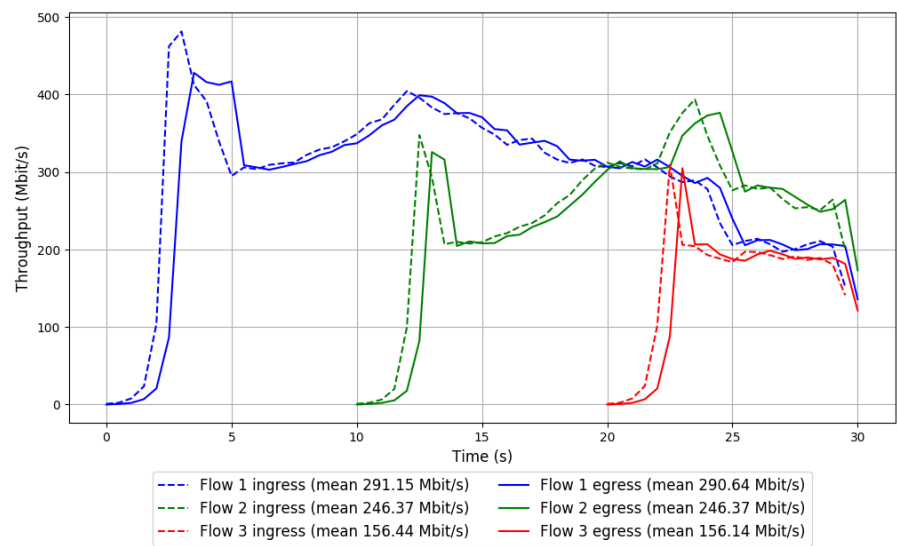
-- Flow 3:

Average throughput: 156.14 Mbit/s

95th percentile per-packet one-way delay: 57.359 ms

Loss rate: 1.25%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-27 11:33:18

End at: 2018-07-27 11:33:48

Local clock offset: -0.086 ms

Remote clock offset: 1.165 ms

Below is generated by plot.py at 2018-07-27 15:50:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 544.82 Mbit/s

95th percentile per-packet one-way delay: 55.973 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 322.97 Mbit/s

95th percentile per-packet one-way delay: 58.785 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 262.50 Mbit/s

95th percentile per-packet one-way delay: 52.528 ms

Loss rate: 0.55%

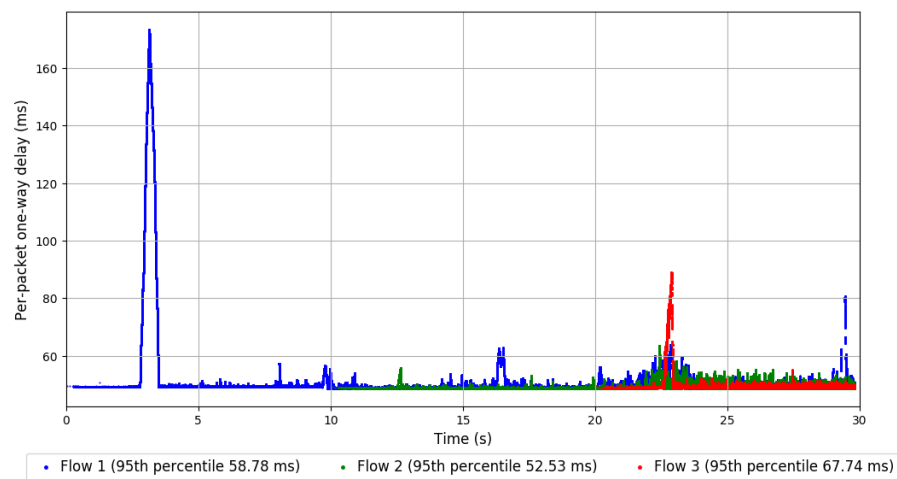
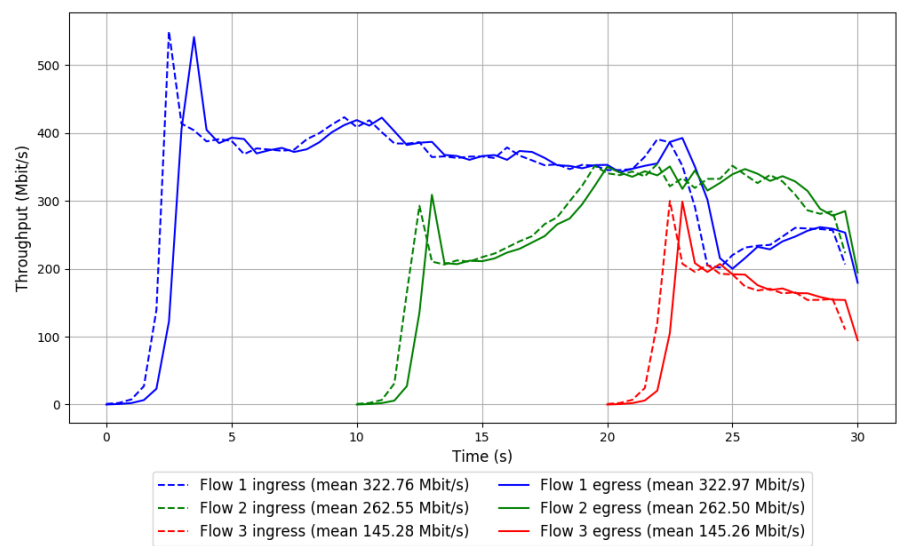
-- Flow 3:

Average throughput: 145.26 Mbit/s

95th percentile per-packet one-way delay: 67.741 ms

Loss rate: 1.08%

Run 9: Report of PCC-Vivace — Data Link

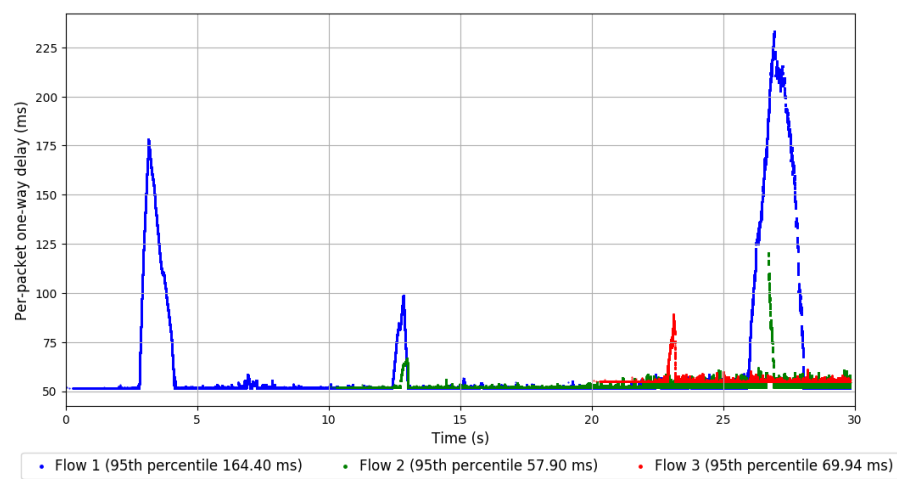
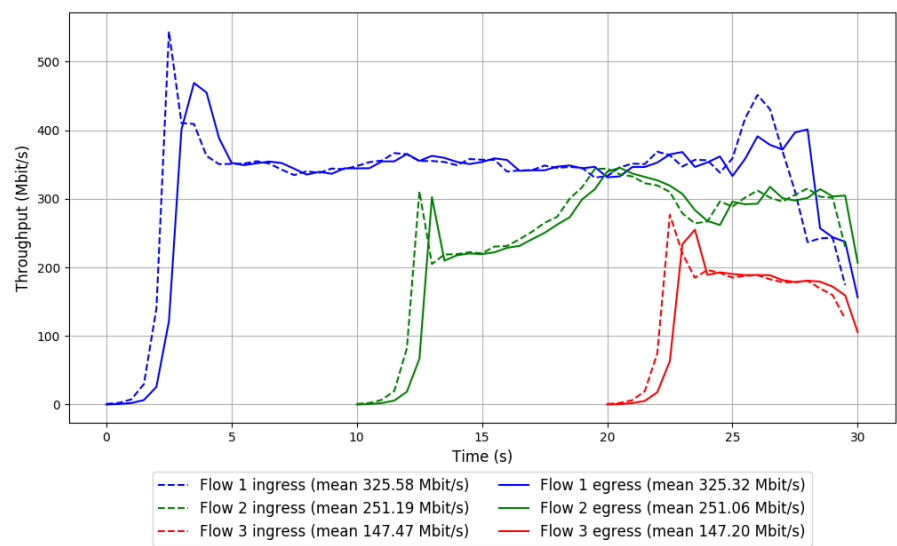


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-27 11:57:54
End at: 2018-07-27 11:58:24
Local clock offset: 0.003 ms
Remote clock offset: -1.261 ms

Below is generated by plot.py at 2018-07-27 15:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 540.21 Mbit/s
95th percentile per-packet one-way delay: 130.529 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 325.32 Mbit/s
95th percentile per-packet one-way delay: 164.397 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 251.06 Mbit/s
95th percentile per-packet one-way delay: 57.904 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 147.20 Mbit/s
95th percentile per-packet one-way delay: 69.945 ms
Loss rate: 1.24%

Run 10: Report of PCC-Vivace — Data Link

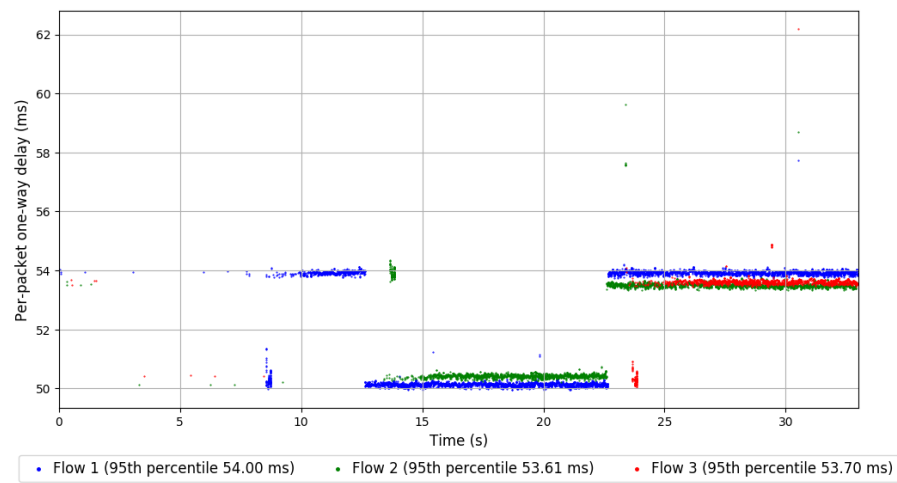
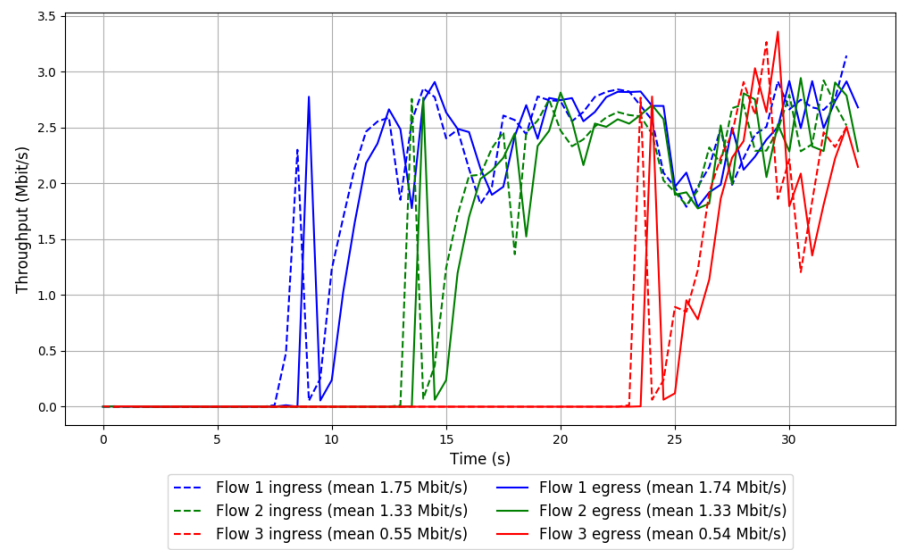


Run 1: Statistics of WebRTC media

Start at: 2018-07-27 08:21:28
End at: 2018-07-27 08:21:58
Local clock offset: -0.023 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-27 15:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 53.976 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 54.001 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 53.606 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.695 ms
Loss rate: 1.62%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-27 08:45:48

End at: 2018-07-27 08:46:18

Local clock offset: 0.193 ms

Remote clock offset: 1.074 ms

Below is generated by plot.py at 2018-07-27 15:50:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 52.973 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 52.833 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 53.010 ms

Loss rate: 0.68%

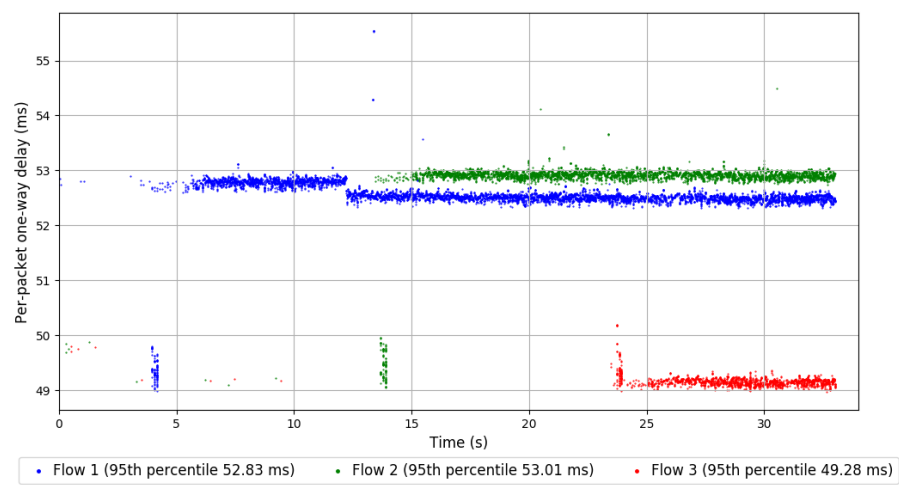
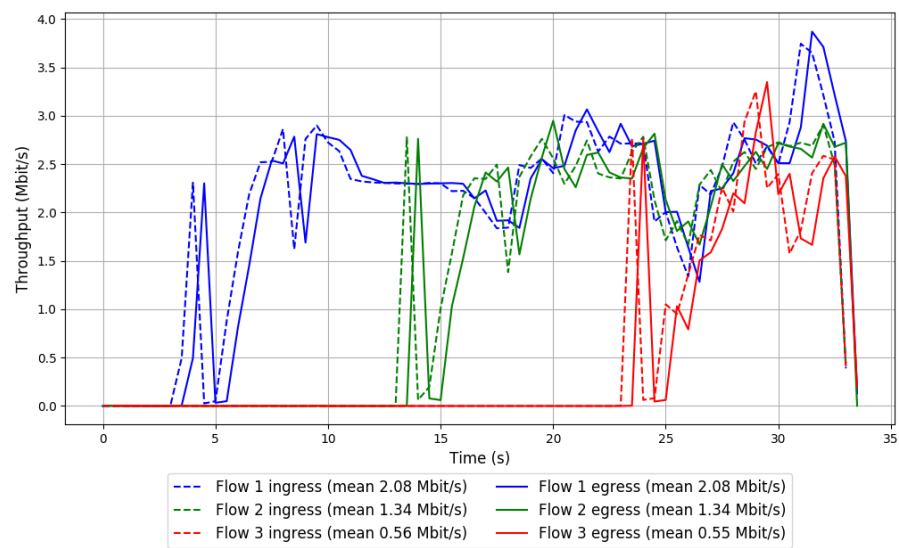
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 49.285 ms

Loss rate: 1.69%

Run 2: Report of WebRTC media — Data Link

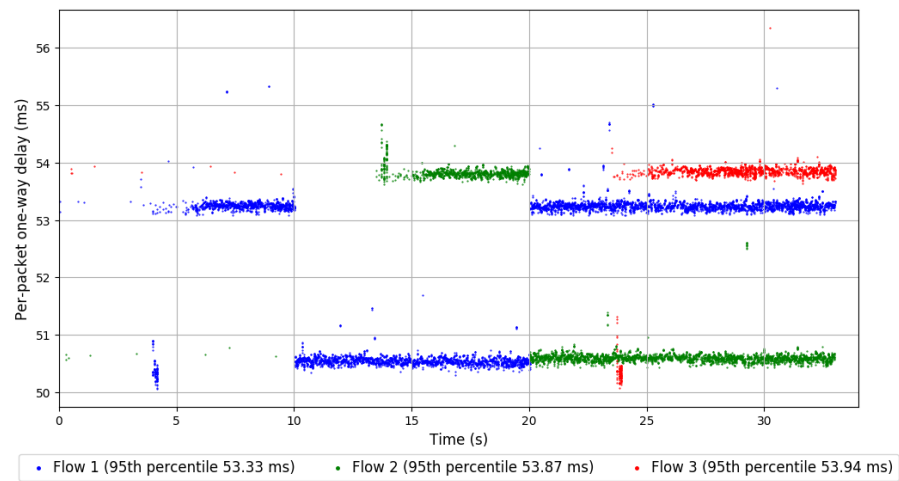
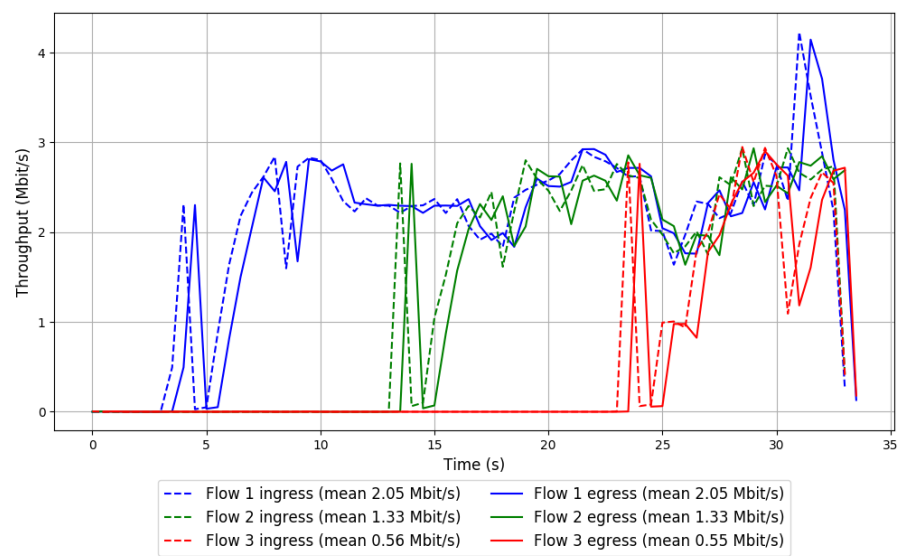


Run 3: Statistics of WebRTC media

Start at: 2018-07-27 09:10:21
End at: 2018-07-27 09:10:51
Local clock offset: -0.004 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-27 15:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 53.888 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 53.330 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 53.869 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 53.943 ms
Loss rate: 1.13%

Run 3: Report of WebRTC media — Data Link

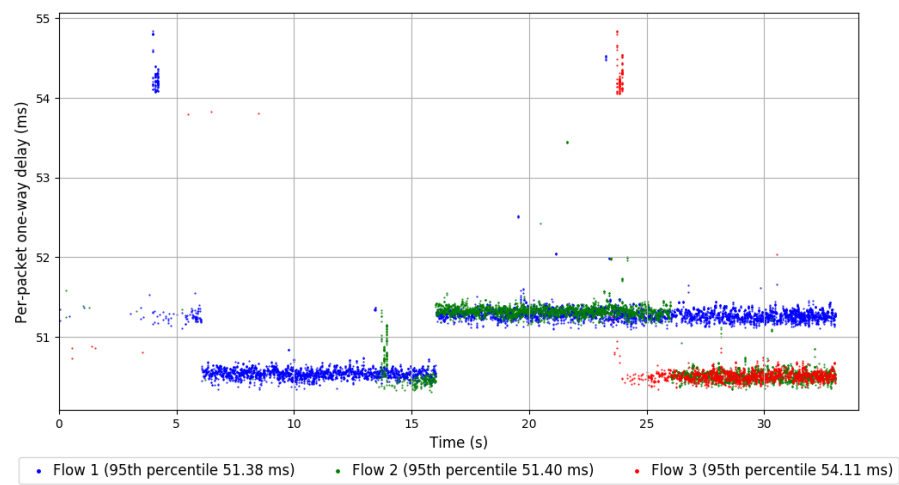
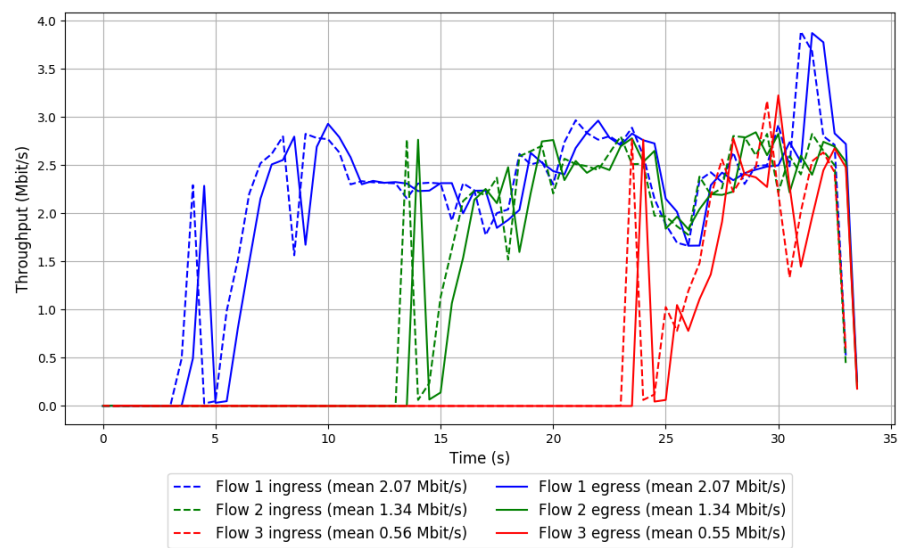


Run 4: Statistics of WebRTC media

Start at: 2018-07-27 09:34:55
End at: 2018-07-27 09:35:25
Local clock offset: 0.121 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-07-27 15:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 51.393 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 51.377 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 51.399 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 54.111 ms
Loss rate: 1.57%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-27 09:59:46

End at: 2018-07-27 10:00:16

Local clock offset: -0.097 ms

Remote clock offset: 1.01 ms

Below is generated by plot.py at 2018-07-27 15:50:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 52.773 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 52.732 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 52.810 ms

Loss rate: 0.68%

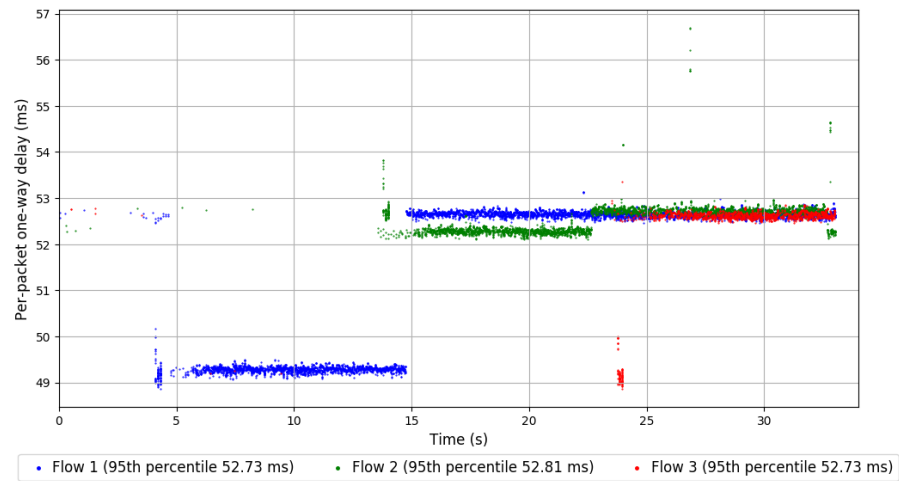
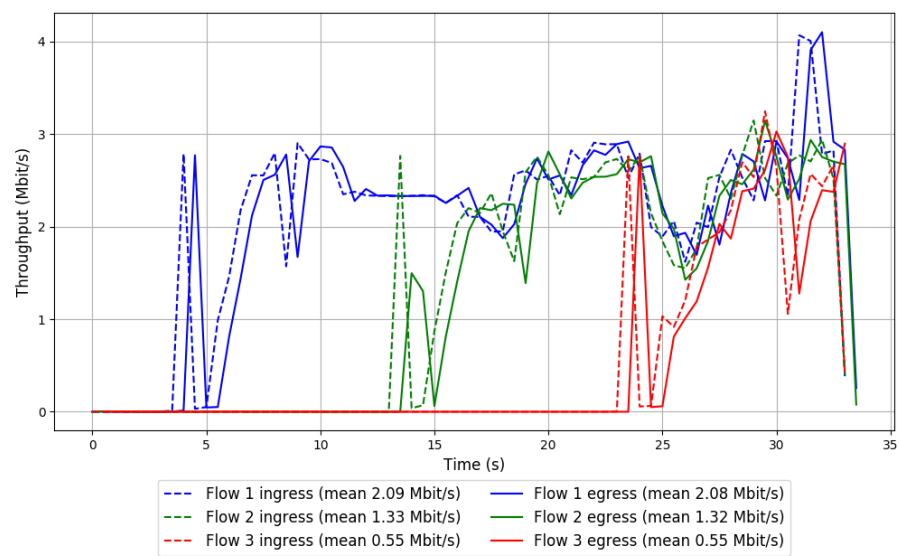
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 52.725 ms

Loss rate: 1.63%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-27 10:24:18

End at: 2018-07-27 10:24:48

Local clock offset: -0.017 ms

Remote clock offset: 1.194 ms

Below is generated by plot.py at 2018-07-27 15:50:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 49.440 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 49.454 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 49.221 ms

Loss rate: 0.68%

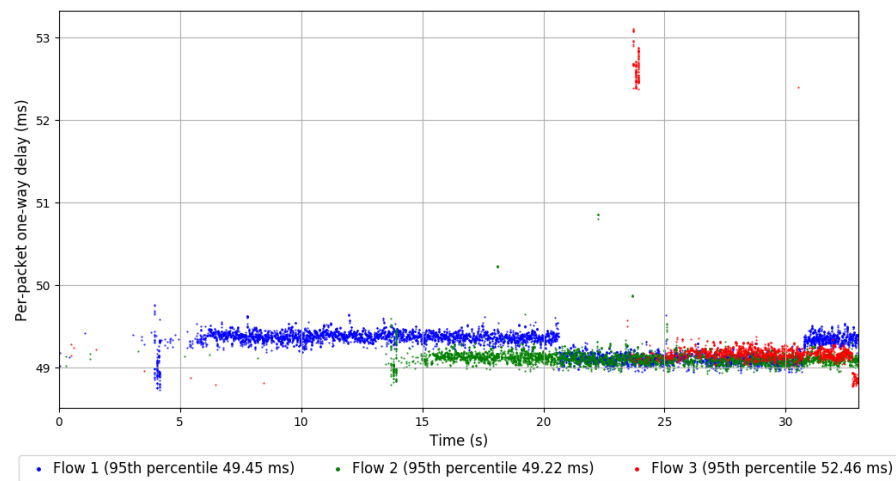
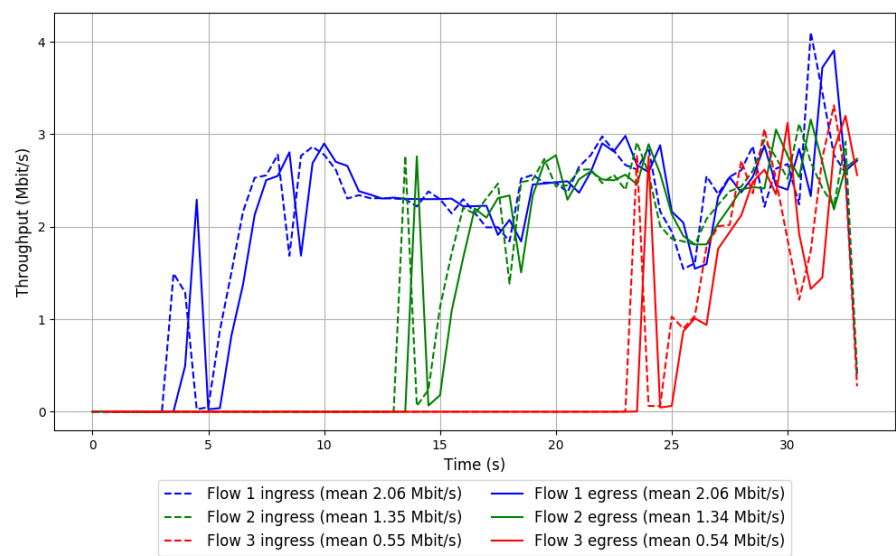
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 52.463 ms

Loss rate: 1.64%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-27 10:48:37

End at: 2018-07-27 10:49:07

Local clock offset: -0.154 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-27 15:50:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 53.304 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 53.325 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 53.064 ms

Loss rate: 0.68%

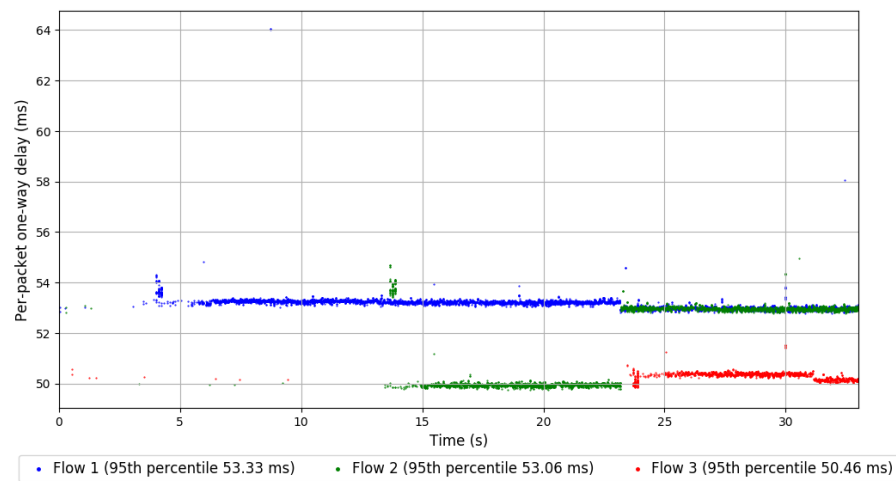
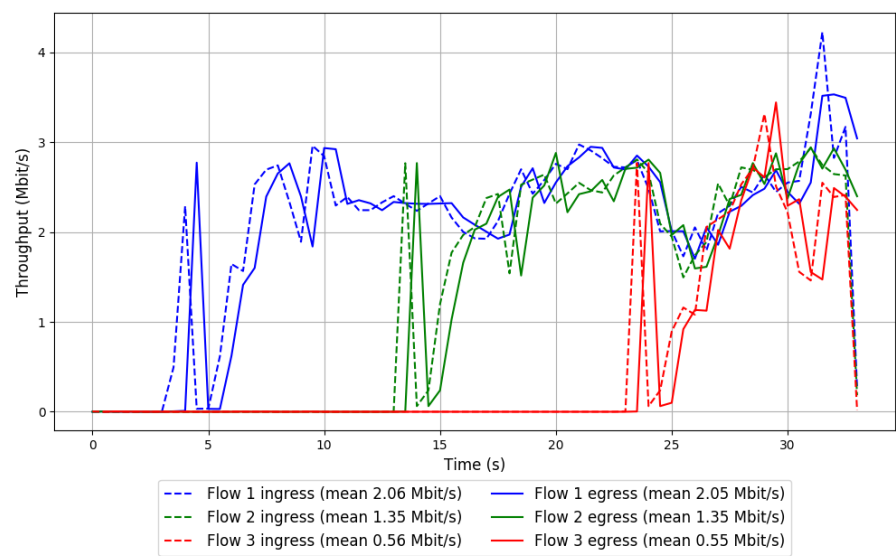
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 1.14%

Run 7: Report of WebRTC media — Data Link

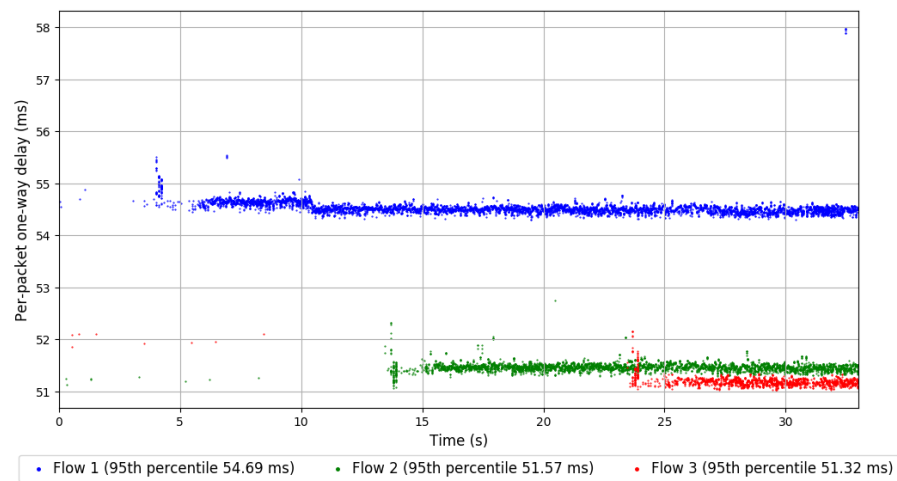
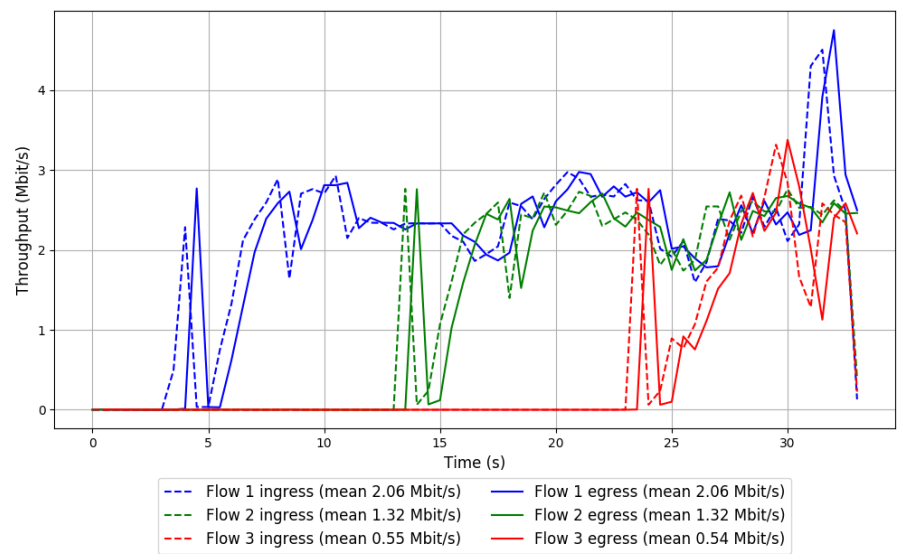


Run 8: Statistics of WebRTC media

Start at: 2018-07-27 11:13:00
End at: 2018-07-27 11:13:30
Local clock offset: 0.032 ms
Remote clock offset: -1.058 ms

Below is generated by plot.py at 2018-07-27 15:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 54.657 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 54.693 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 51.566 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 51.318 ms
Loss rate: 1.62%

Run 8: Report of WebRTC media — Data Link

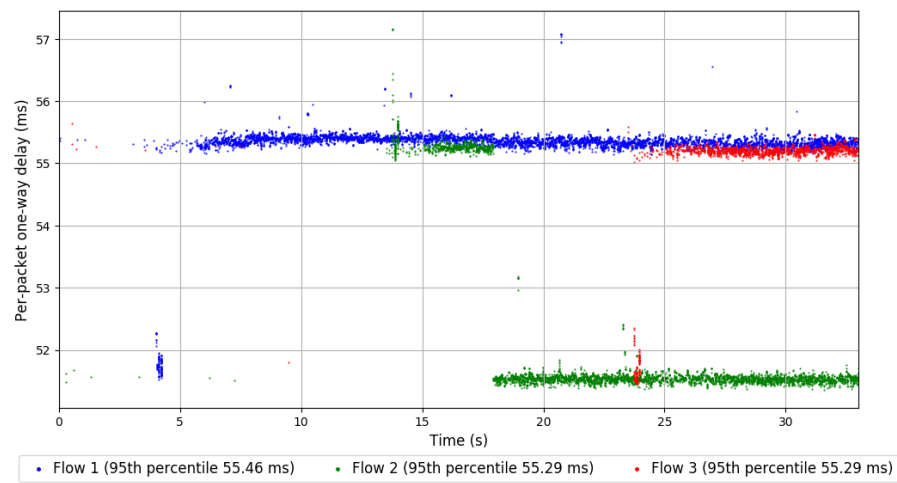
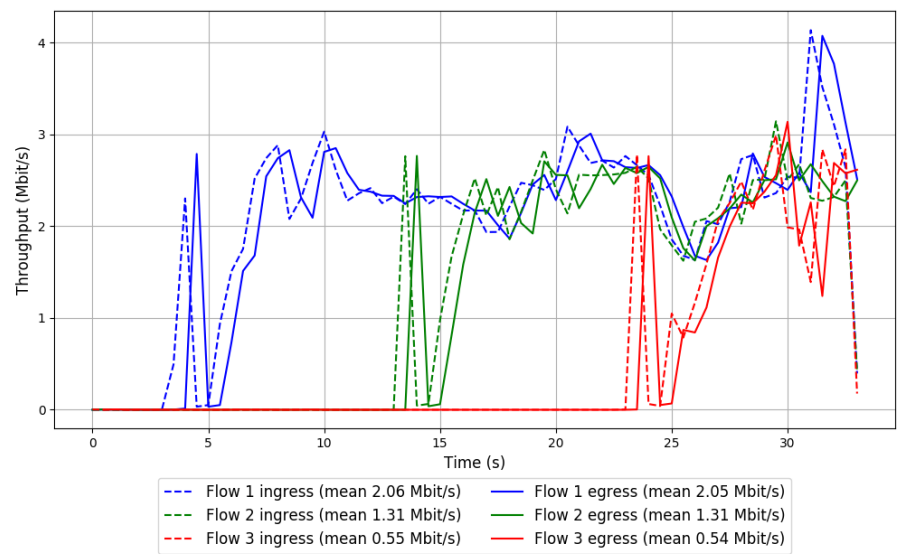


Run 9: Statistics of WebRTC media

Start at: 2018-07-27 11:37:53
End at: 2018-07-27 11:38:23
Local clock offset: 0.105 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-07-27 15:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 55.445 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 55.463 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 55.287 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 55.292 ms
Loss rate: 1.62%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-27 12:02:22
End at: 2018-07-27 12:02:52
Local clock offset: -0.198 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-27 15:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 54.005 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 50.298 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 54.043 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 53.882 ms
Loss rate: 1.97%

Run 10: Report of WebRTC media — Data Link

