

Pantheon Report

Generated at 2018-07-02 10:35:49 (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.

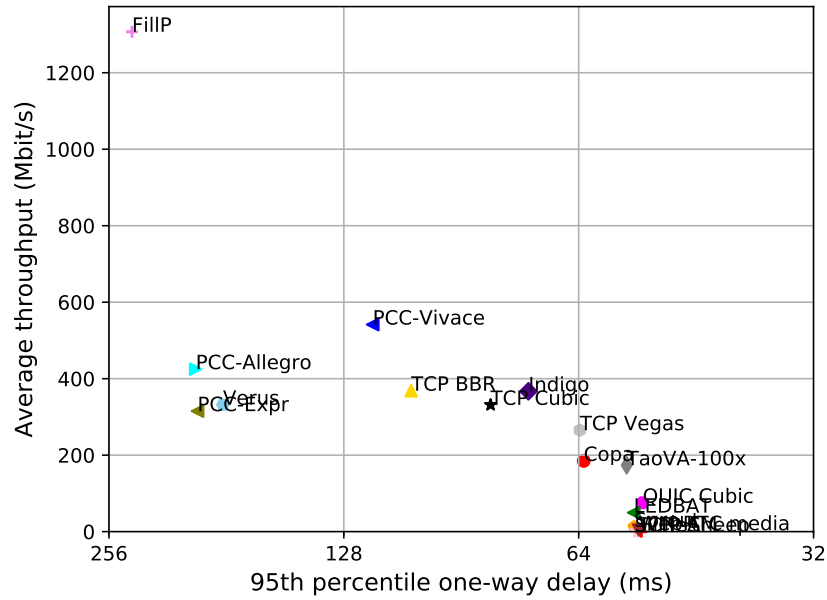
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

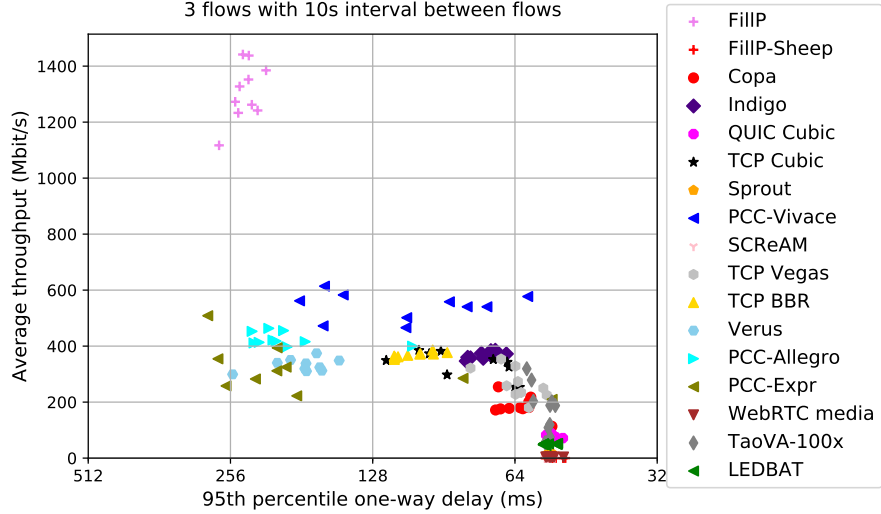
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
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



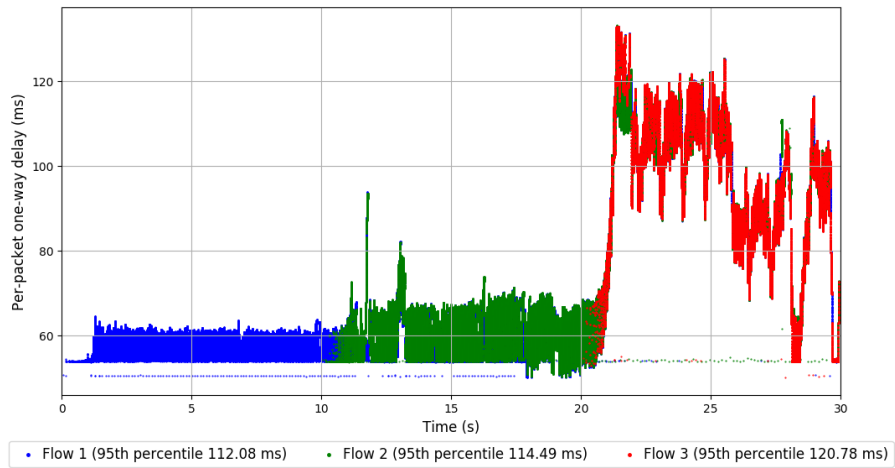
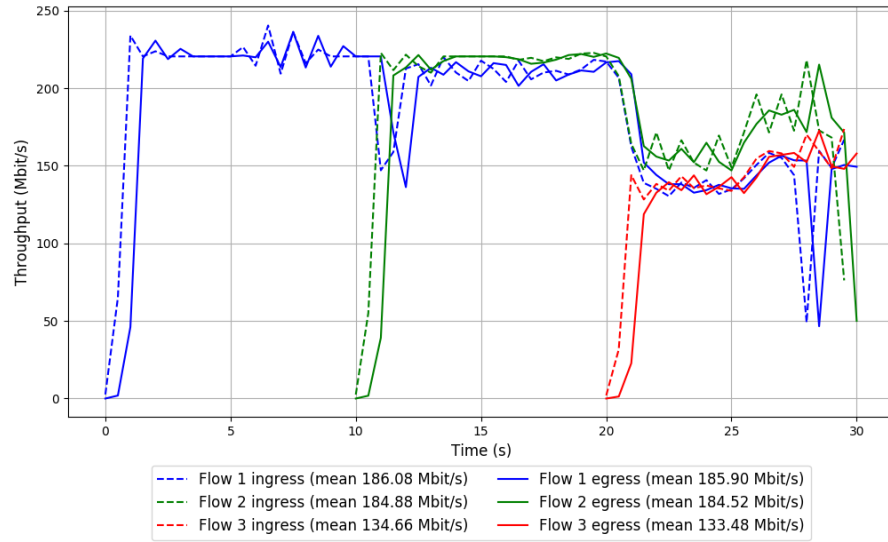
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	196.11	184.18	151.67	101.53	104.71	109.52	0.40	0.65	1.60
Copa	10	119.96	72.47	52.80	63.51	58.80	56.41	0.26	0.70	1.08
TCP Cubic	10	207.49	147.39	78.86	82.07	83.50	81.84	0.35	1.09	2.98
FillP	10	691.12	637.33	585.60	228.77	251.77	203.29	5.07	5.83	5.01
FillP-Sheep	10	0.00	0.00	0.00	52.50	51.90	52.62	0.00	0.00	0.80
Indigo	10	200.60	194.18	114.30	72.12	74.82	78.28	0.35	0.52	1.24
LEDBAT	10	32.13	21.52	9.98	54.43	54.27	53.99	0.66	1.04	2.19
PCC-Allegro	10	377.73	59.16	24.10	198.10	199.30	195.62	2.71	3.23	4.90
PCC-Expr	10	196.35	147.92	62.94	175.10	176.15	147.13	4.25	5.18	7.06
QUIC Cubic	10	46.42	34.18	18.84	52.68	52.55	52.22	0.52	0.91	1.17
SCReAM	10	0.21	0.21	0.22	53.54	54.07	52.77	0.35	0.61	1.09
Sprout	10	6.57	6.32	5.95	54.36	54.34	54.24	0.43	0.68	1.34
TaoVA-100x	10	103.24	101.46	68.77	54.75	55.55	56.31	0.18	0.76	1.02
TCP Vegas	10	151.70	124.13	94.20	63.11	62.45	62.69	0.36	0.60	1.27
Verus	10	202.07	145.82	100.19	167.99	189.15	201.49	1.81	1.87	2.90
PCC-Vivace	10	313.15	270.58	148.95	103.48	119.46	74.33	0.45	0.56	1.45
WebRTC media	10	2.03	1.33	0.54	53.26	51.64	52.89	0.40	0.66	1.49

Run 1: Statistics of TCP BBR

Start at: 2018-07-02 04:18:40
End at: 2018-07-02 04:19:10
Local clock offset: -0.039 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-02 08:24:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.65 Mbit/s
95th percentile per-packet one-way delay: 115.159 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 185.90 Mbit/s
95th percentile per-packet one-way delay: 112.079 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 184.52 Mbit/s
95th percentile per-packet one-way delay: 114.492 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 133.48 Mbit/s
95th percentile per-packet one-way delay: 120.781 ms
Loss rate: 1.83%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-02 04:42:15

End at: 2018-07-02 04:42:45

Local clock offset: -0.208 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-02 08:24:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.75 Mbit/s

95th percentile per-packet one-way delay: 101.466 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 199.89 Mbit/s

95th percentile per-packet one-way delay: 97.429 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 186.80 Mbit/s

95th percentile per-packet one-way delay: 101.144 ms

Loss rate: 0.61%

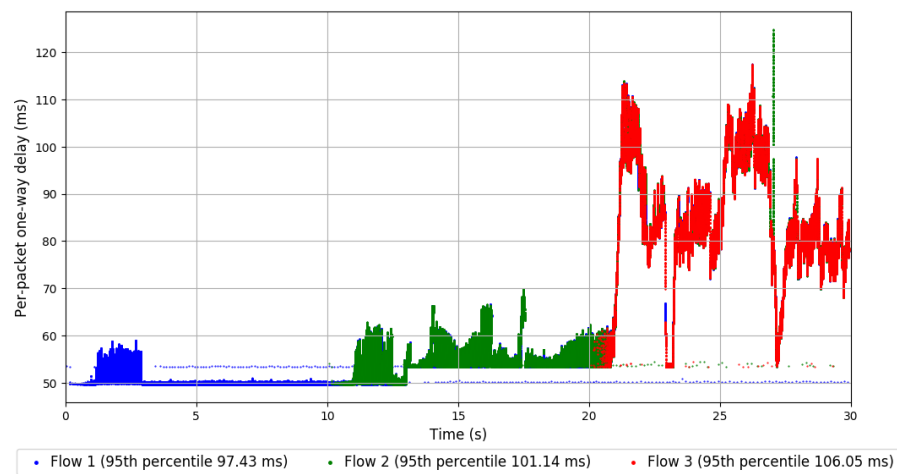
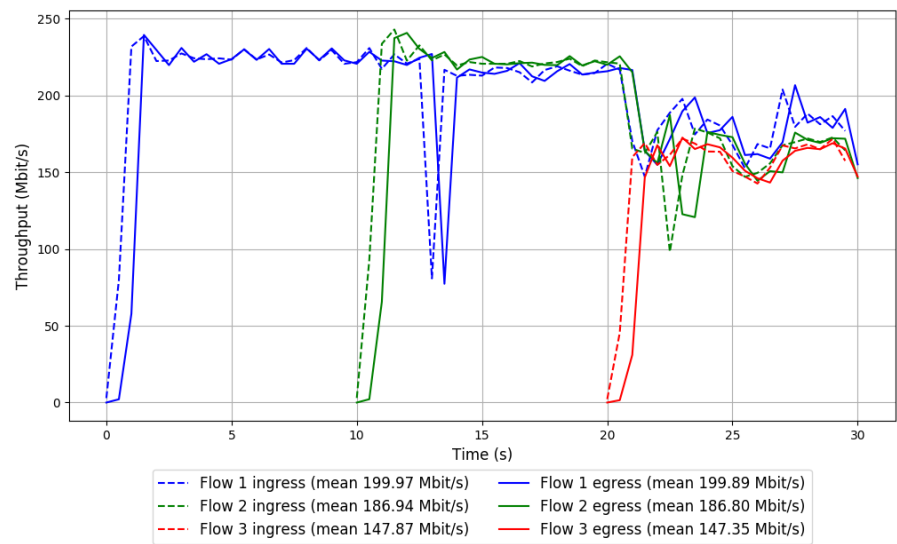
-- Flow 3:

Average throughput: 147.35 Mbit/s

95th percentile per-packet one-way delay: 106.050 ms

Loss rate: 1.44%

Run 2: Report of TCP BBR — Data Link

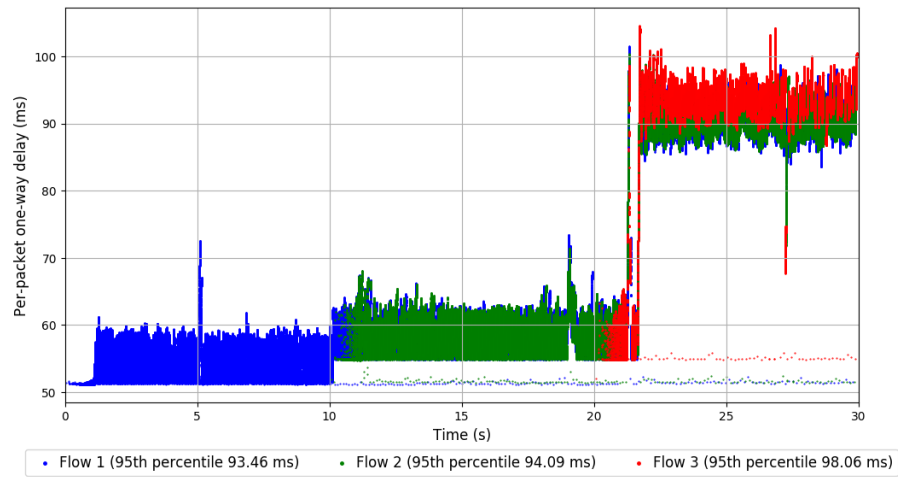
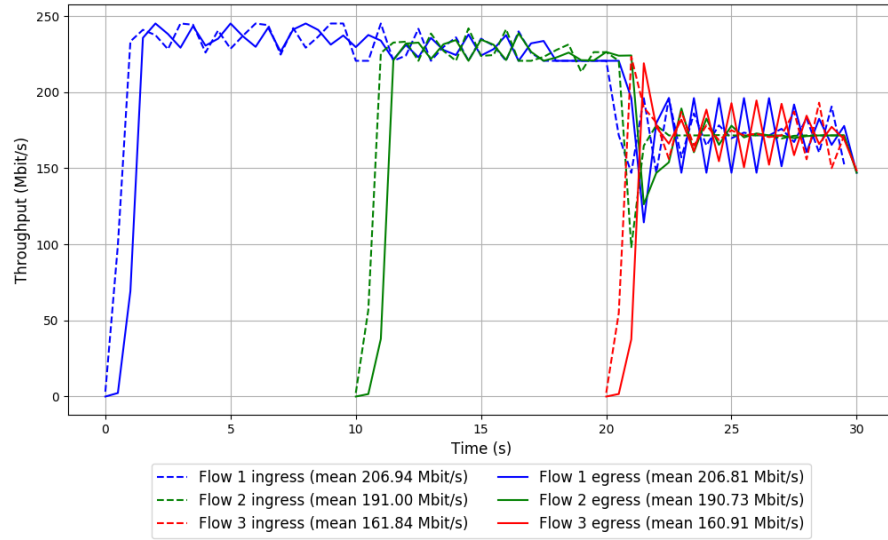


Run 3: Statistics of TCP BBR

Start at: 2018-07-02 05:06:08
End at: 2018-07-02 05:06:38
Local clock offset: -0.03 ms
Remote clock offset: -1.305 ms

Below is generated by plot.py at 2018-07-02 08:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.13 Mbit/s
95th percentile per-packet one-way delay: 95.564 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 206.81 Mbit/s
95th percentile per-packet one-way delay: 93.464 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 190.73 Mbit/s
95th percentile per-packet one-way delay: 94.089 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 160.91 Mbit/s
95th percentile per-packet one-way delay: 98.061 ms
Loss rate: 1.55%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-02 05:29:45

End at: 2018-07-02 05:30:15

Local clock offset: -0.079 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-07-02 08:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.99 Mbit/s

95th percentile per-packet one-way delay: 113.158 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 197.94 Mbit/s

95th percentile per-packet one-way delay: 109.772 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 177.69 Mbit/s

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

Loss rate: 0.62%

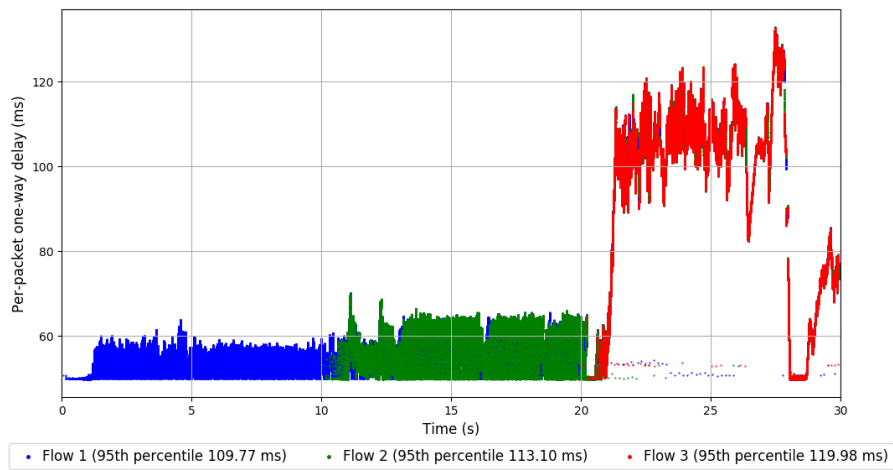
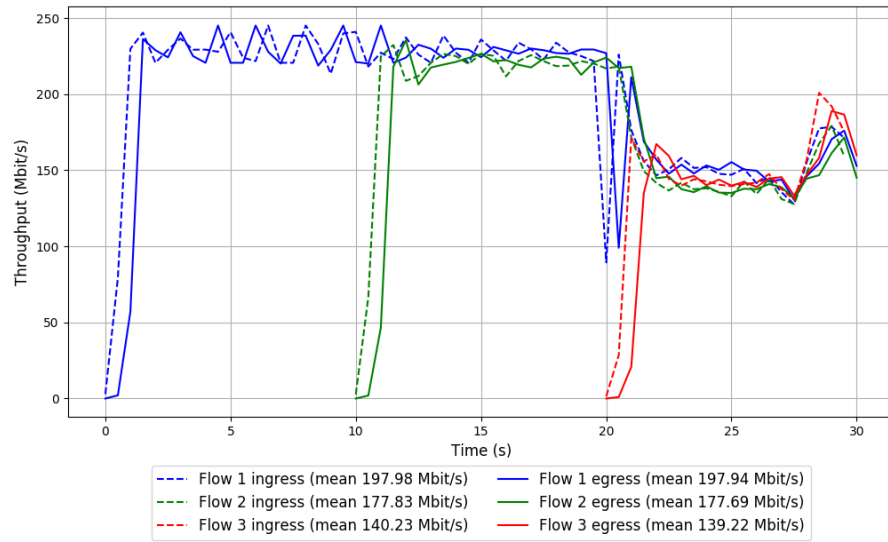
-- Flow 3:

Average throughput: 139.22 Mbit/s

95th percentile per-packet one-way delay: 119.984 ms

Loss rate: 1.76%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-02 05:53:21

End at: 2018-07-02 05:53:51

Local clock offset: 0.133 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-02 08:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.01 Mbit/s

95th percentile per-packet one-way delay: 89.007 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 201.79 Mbit/s

95th percentile per-packet one-way delay: 86.630 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 183.66 Mbit/s

95th percentile per-packet one-way delay: 89.337 ms

Loss rate: 0.64%

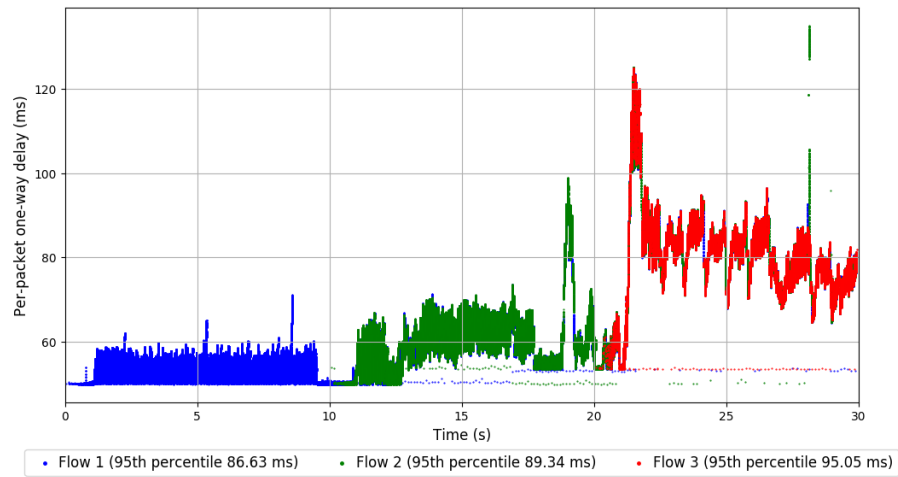
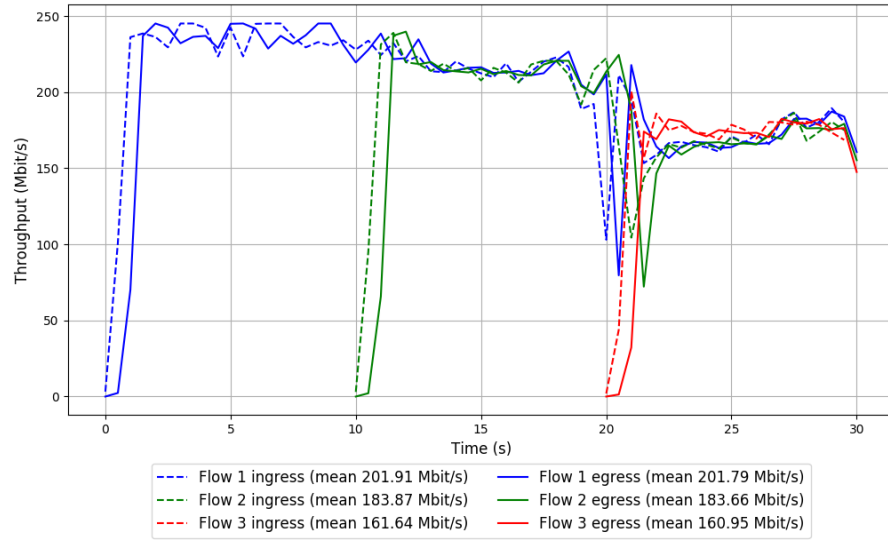
-- Flow 3:

Average throughput: 160.95 Mbit/s

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

Loss rate: 1.46%

Run 5: Report of TCP BBR — Data Link

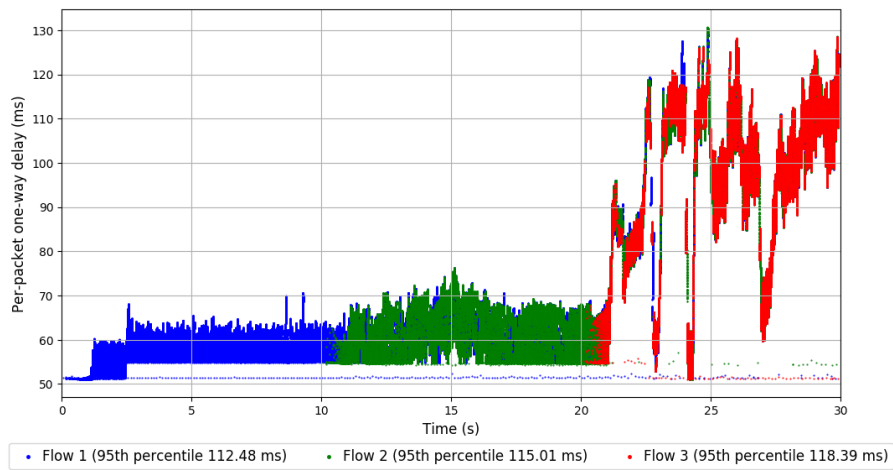
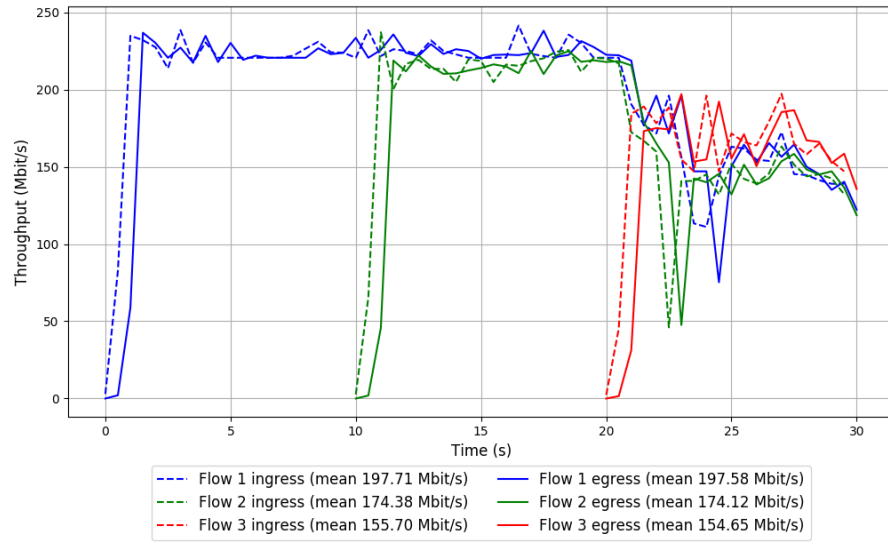


Run 6: Statistics of TCP BBR

Start at: 2018-07-02 06:17:26
End at: 2018-07-02 06:17:56
Local clock offset: -0.035 ms
Remote clock offset: -1.195 ms

Below is generated by plot.py at 2018-07-02 08:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.38 Mbit/s
95th percentile per-packet one-way delay: 115.243 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 197.58 Mbit/s
95th percentile per-packet one-way delay: 112.481 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 174.12 Mbit/s
95th percentile per-packet one-way delay: 115.009 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 154.65 Mbit/s
95th percentile per-packet one-way delay: 118.389 ms
Loss rate: 1.58%

Run 6: Report of TCP BBR — Data Link

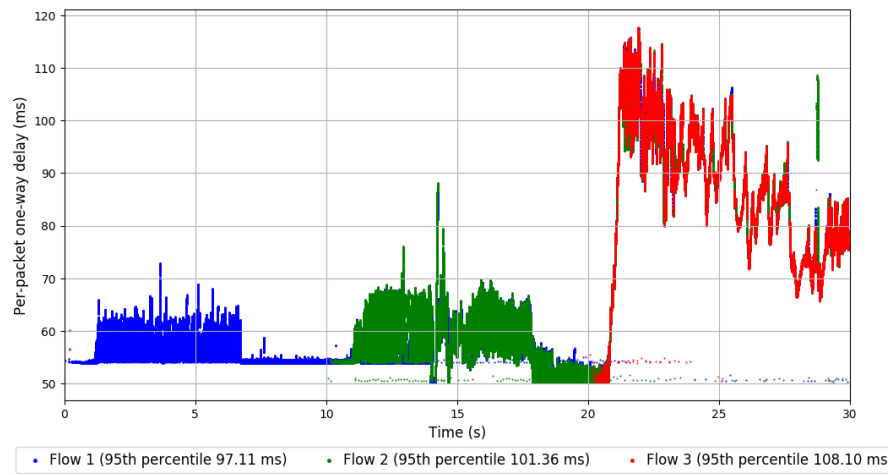
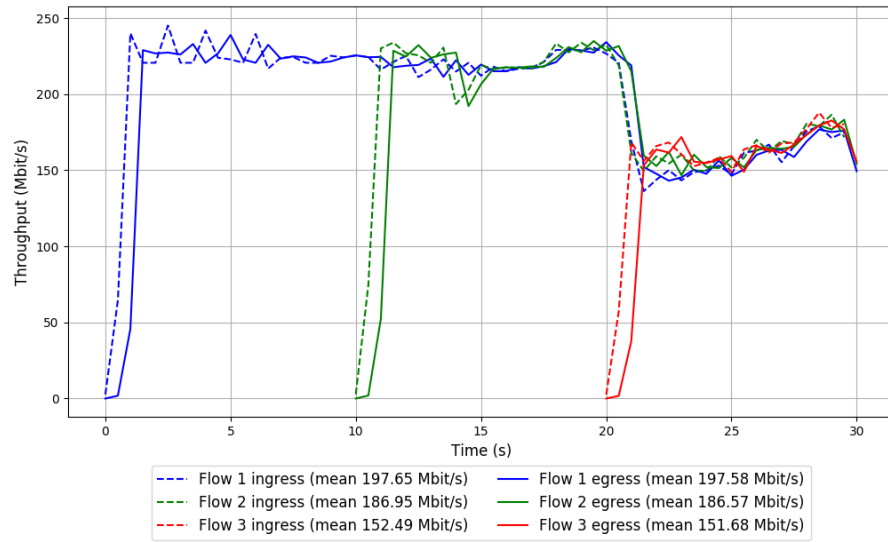


Run 7: Statistics of TCP BBR

Start at: 2018-07-02 06:41:34
End at: 2018-07-02 06:42:04
Local clock offset: -0.007 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-07-02 08:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.72 Mbit/s
95th percentile per-packet one-way delay: 101.750 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 197.58 Mbit/s
95th percentile per-packet one-way delay: 97.110 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 186.57 Mbit/s
95th percentile per-packet one-way delay: 101.365 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 151.68 Mbit/s
95th percentile per-packet one-way delay: 108.102 ms
Loss rate: 1.75%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-02 07:05:26

End at: 2018-07-02 07:05:56

Local clock offset: -0.369 ms

Remote clock offset: -1.56 ms

Below is generated by plot.py at 2018-07-02 08:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.79 Mbit/s

95th percentile per-packet one-way delay: 114.814 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 191.49 Mbit/s

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

Loss rate: 0.39%

-- Flow 2:

Average throughput: 176.86 Mbit/s

95th percentile per-packet one-way delay: 115.084 ms

Loss rate: 0.61%

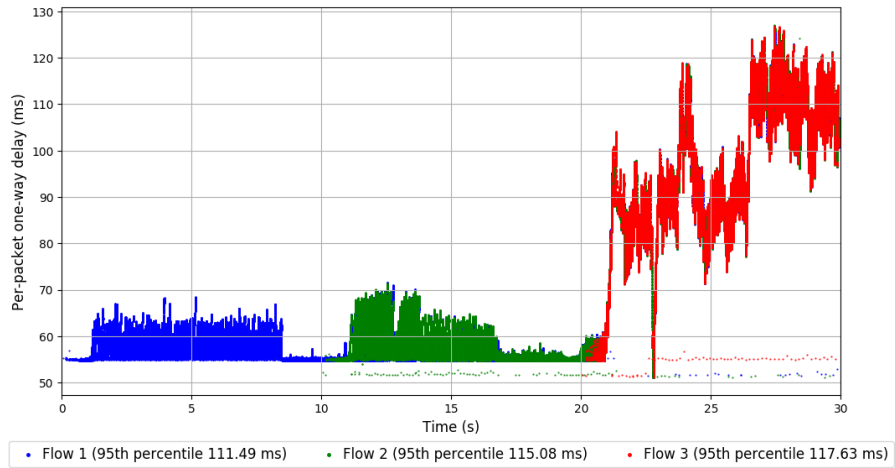
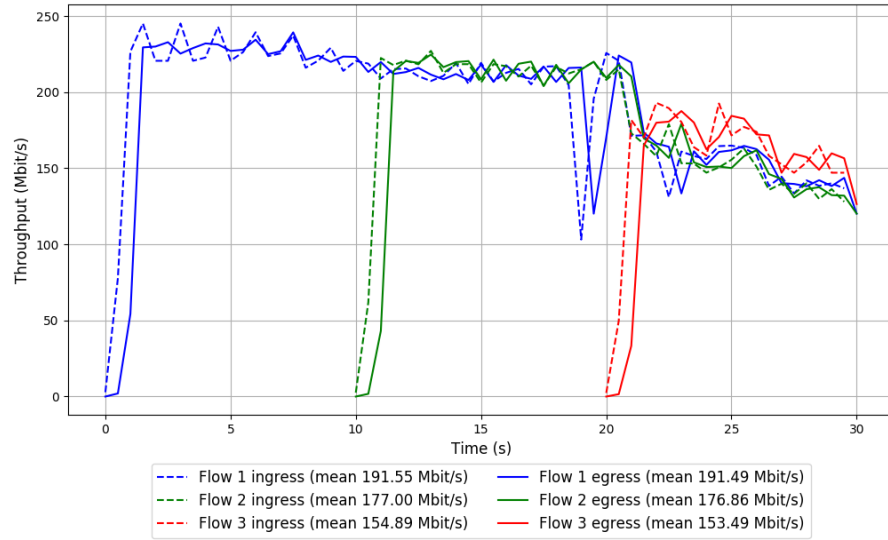
-- Flow 3:

Average throughput: 153.49 Mbit/s

95th percentile per-packet one-way delay: 117.632 ms

Loss rate: 1.54%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-02 07:29:38

End at: 2018-07-02 07:30:08

Local clock offset: -0.024 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2018-07-02 08:31:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.17 Mbit/s

95th percentile per-packet one-way delay: 107.916 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 189.49 Mbit/s

95th percentile per-packet one-way delay: 101.707 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 192.44 Mbit/s

95th percentile per-packet one-way delay: 107.941 ms

Loss rate: 0.68%

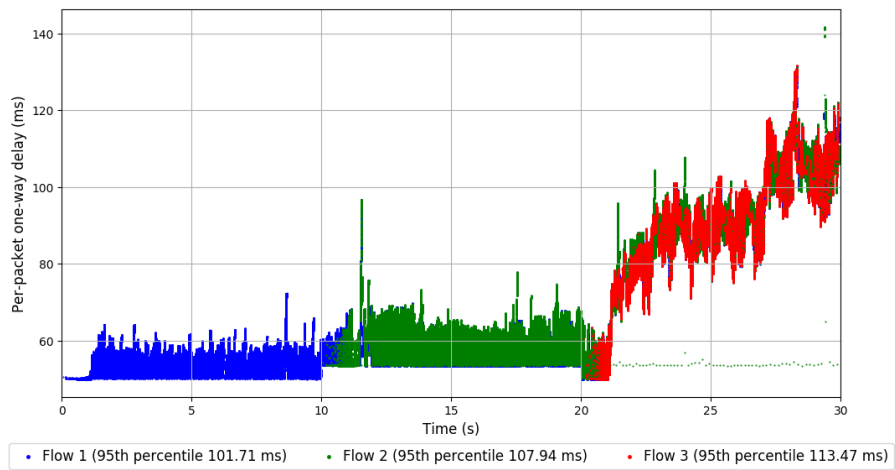
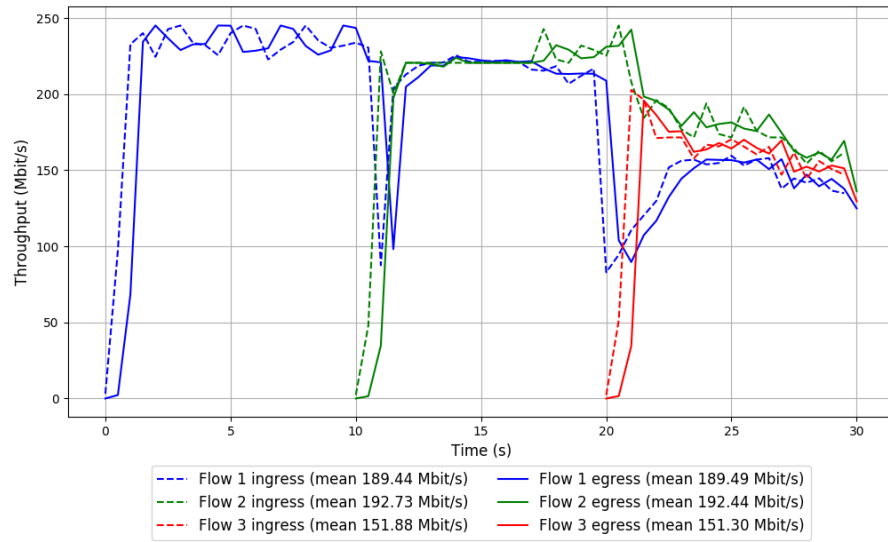
-- Flow 3:

Average throughput: 151.30 Mbit/s

95th percentile per-packet one-way delay: 113.466 ms

Loss rate: 1.62%

Run 9: Report of TCP BBR — Data Link

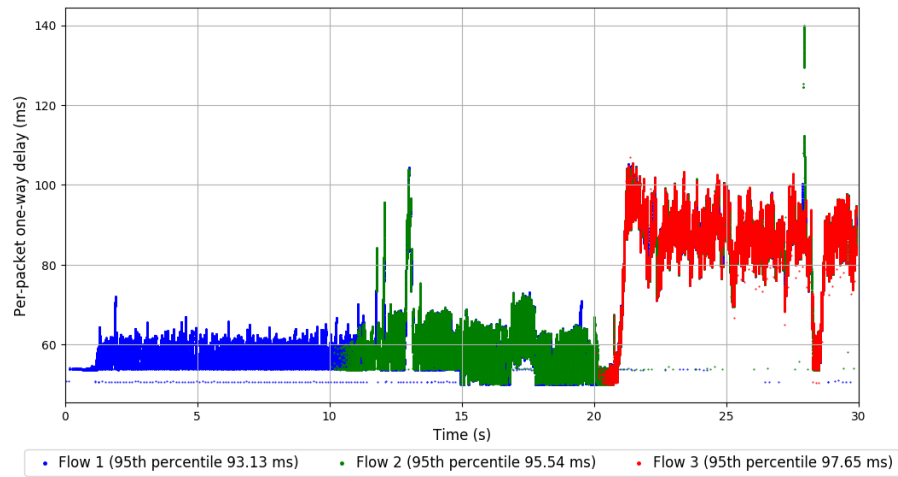
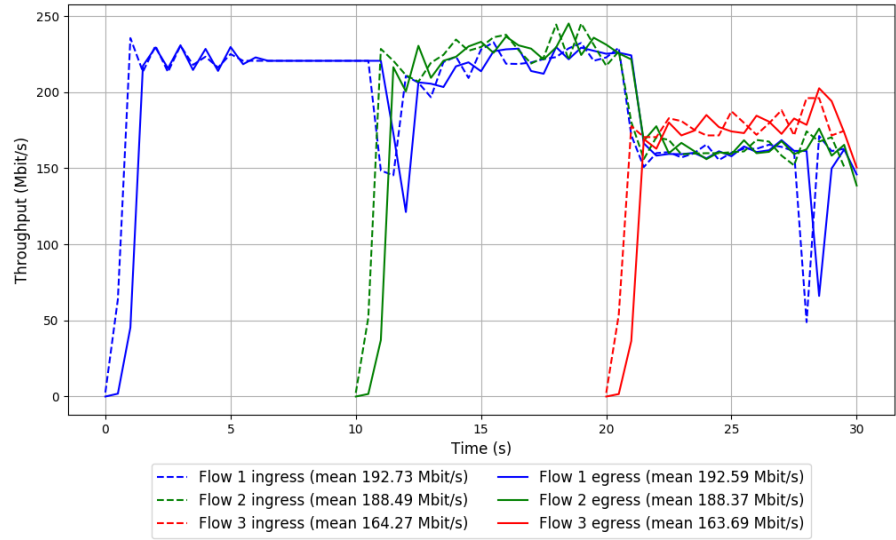


Run 10: Statistics of TCP BBR

Start at: 2018-07-02 07:53:33
End at: 2018-07-02 07:54:03
Local clock offset: -0.145 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-07-02 08:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.75 Mbit/s
95th percentile per-packet one-way delay: 95.244 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 192.59 Mbit/s
95th percentile per-packet one-way delay: 93.126 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 188.37 Mbit/s
95th percentile per-packet one-way delay: 95.537 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 163.69 Mbit/s
95th percentile per-packet one-way delay: 97.652 ms
Loss rate: 1.48%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-02 04:13:32

End at: 2018-07-02 04:14:02

Local clock offset: -0.177 ms

Remote clock offset: 1.332 ms

Below is generated by plot.py at 2018-07-02 08:31:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 180.77 Mbit/s

95th percentile per-packet one-way delay: 59.808 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 84.15 Mbit/s

95th percentile per-packet one-way delay: 60.577 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 114.86 Mbit/s

95th percentile per-packet one-way delay: 59.939 ms

Loss rate: 0.55%

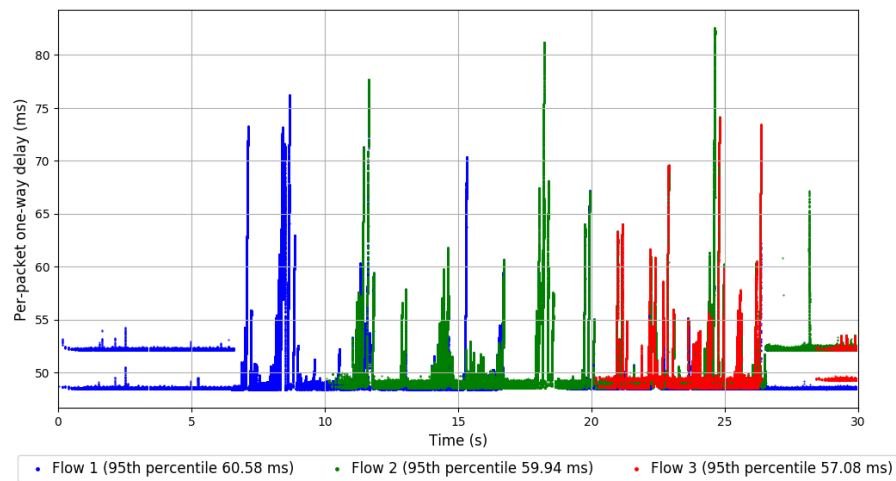
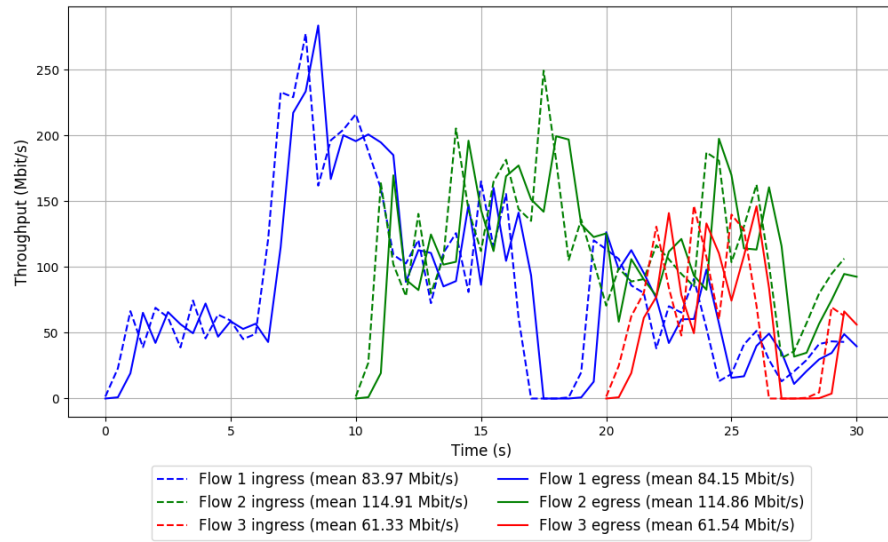
-- Flow 3:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 57.075 ms

Loss rate: 0.89%

Run 1: Report of Copa — Data Link

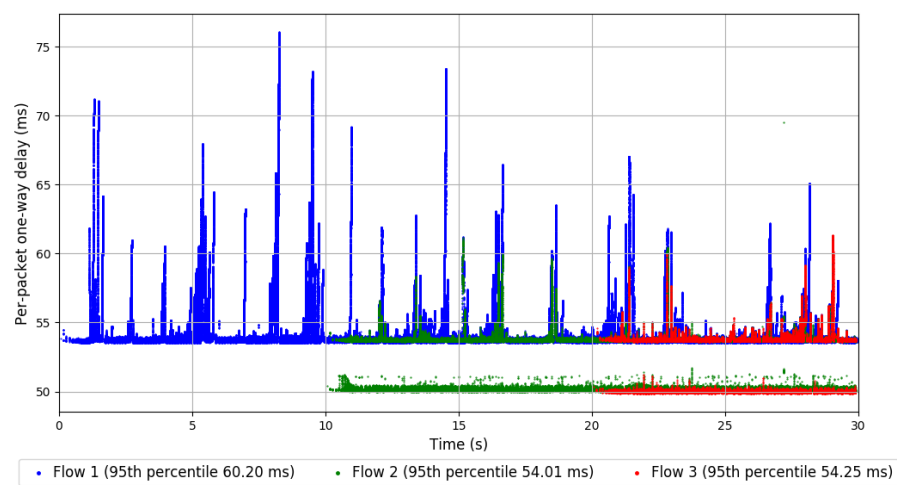
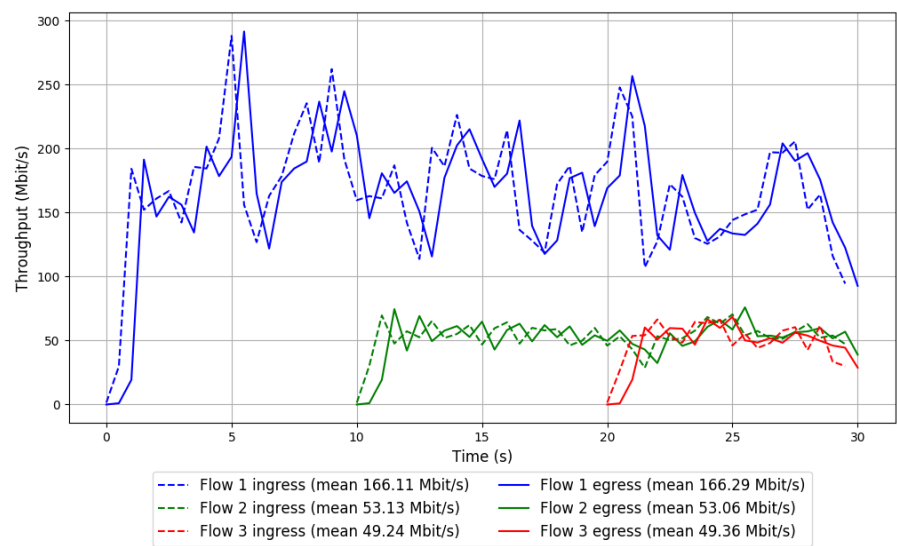


Run 2: Statistics of Copa

Start at: 2018-07-02 04:37:08
End at: 2018-07-02 04:37:38
Local clock offset: 0.047 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-02 08:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.79 Mbit/s
95th percentile per-packet one-way delay: 59.251 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 166.29 Mbit/s
95th percentile per-packet one-way delay: 60.203 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 54.010 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 54.250 ms
Loss rate: 0.80%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-02 05:01:17

End at: 2018-07-02 05:01:47

Local clock offset: 0.015 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-07-02 08:31:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 113.48 Mbit/s

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

Loss rate: 0.42%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 53.416 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 56.20 Mbit/s

95th percentile per-packet one-way delay: 53.363 ms

Loss rate: 0.33%

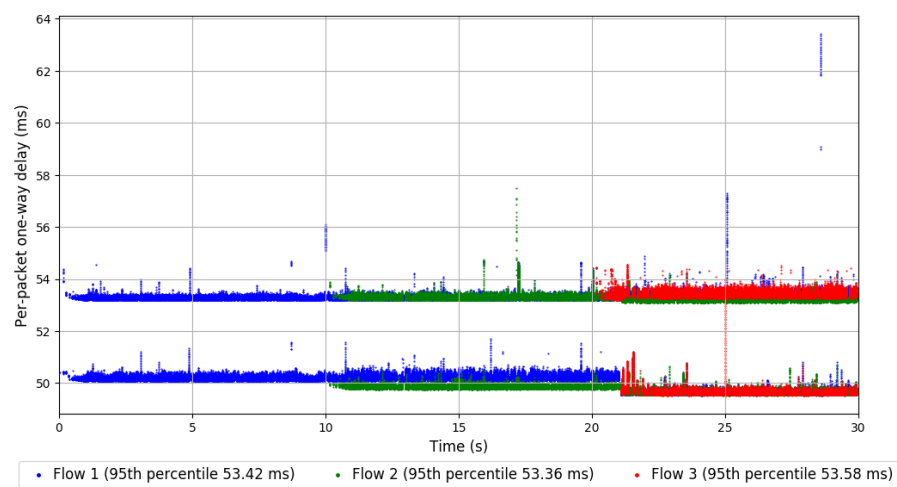
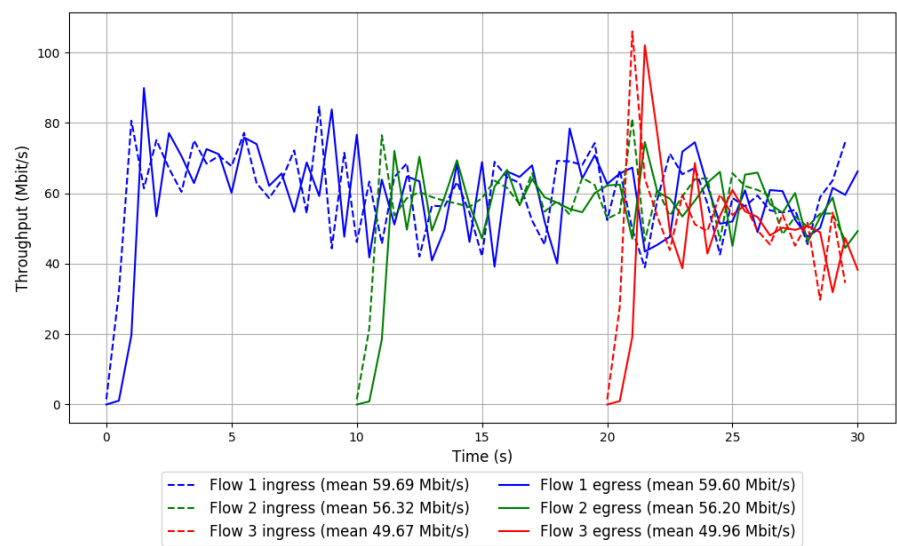
-- Flow 3:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 53.579 ms

Loss rate: 0.51%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-02 05:24:49

End at: 2018-07-02 05:25:19

Local clock offset: -0.254 ms

Remote clock offset: -1.48 ms

Below is generated by plot.py at 2018-07-02 08:31:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.79 Mbit/s

95th percentile per-packet one-way delay: 68.681 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 123.07 Mbit/s

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

Loss rate: 0.37%

-- Flow 2:

Average throughput: 49.61 Mbit/s

95th percentile per-packet one-way delay: 54.998 ms

Loss rate: 0.47%

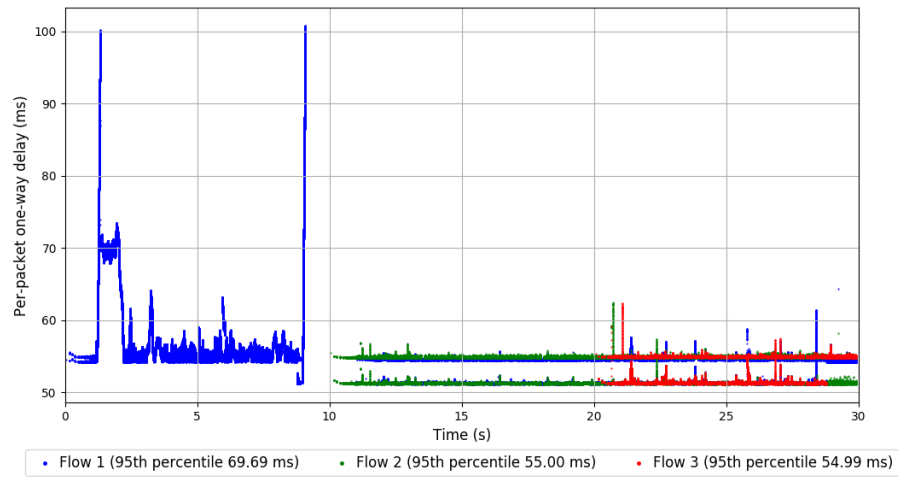
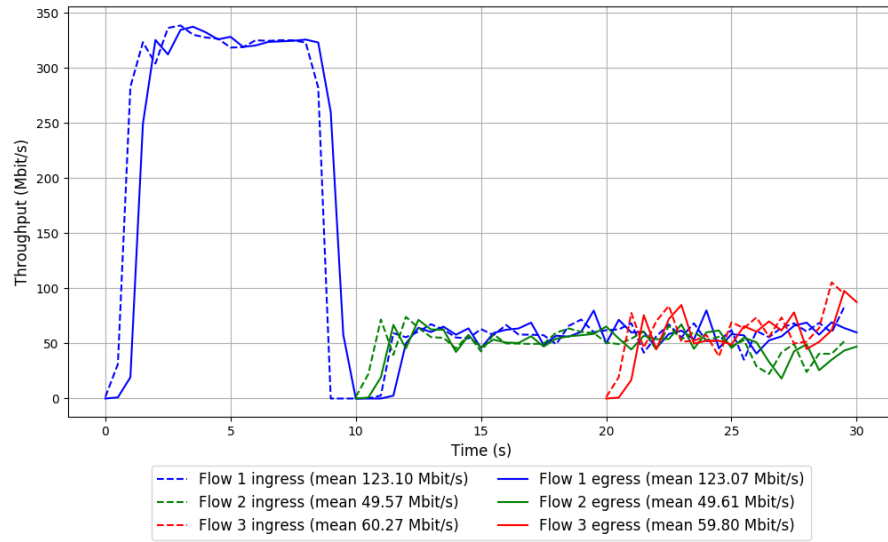
-- Flow 3:

Average throughput: 59.80 Mbit/s

95th percentile per-packet one-way delay: 54.993 ms

Loss rate: 1.86%

Run 4: Report of Copa — Data Link

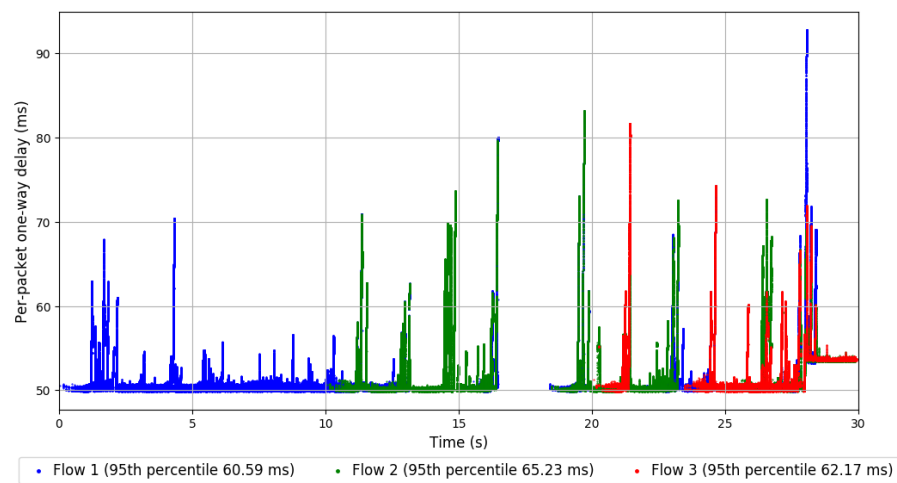
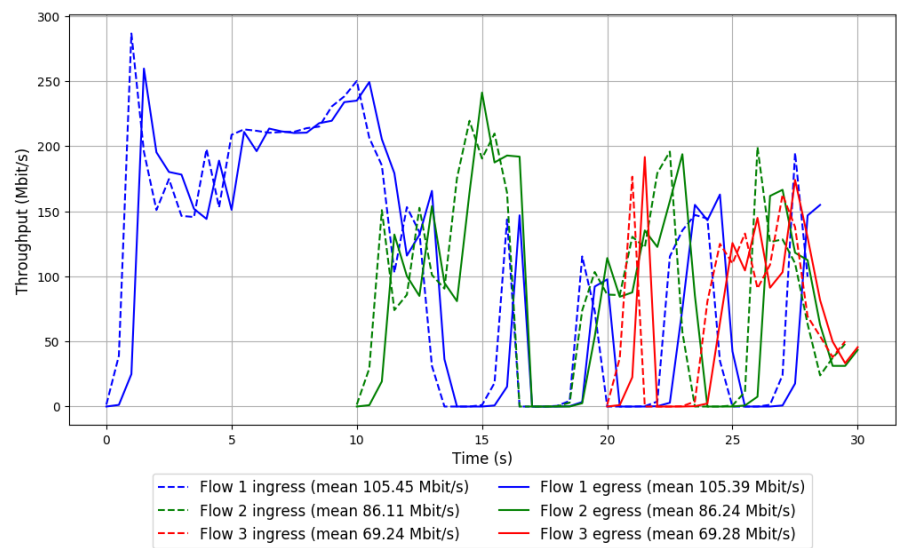


Run 5: Statistics of Copa

Start at: 2018-07-02 05:48:10
End at: 2018-07-02 05:48:40
Local clock offset: -0.053 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-02 08:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.19 Mbit/s
95th percentile per-packet one-way delay: 62.411 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 105.39 Mbit/s
95th percentile per-packet one-way delay: 60.589 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 65.227 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 62.166 ms
Loss rate: 0.96%

Run 5: Report of Copa — Data Link

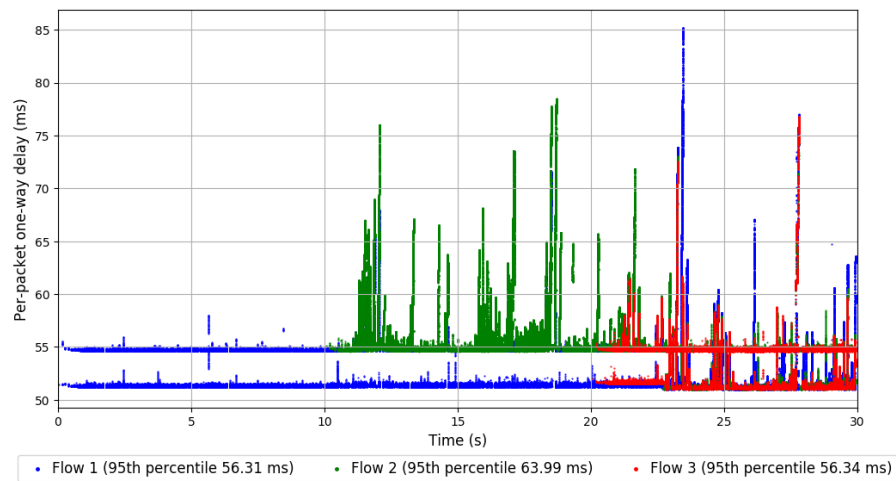
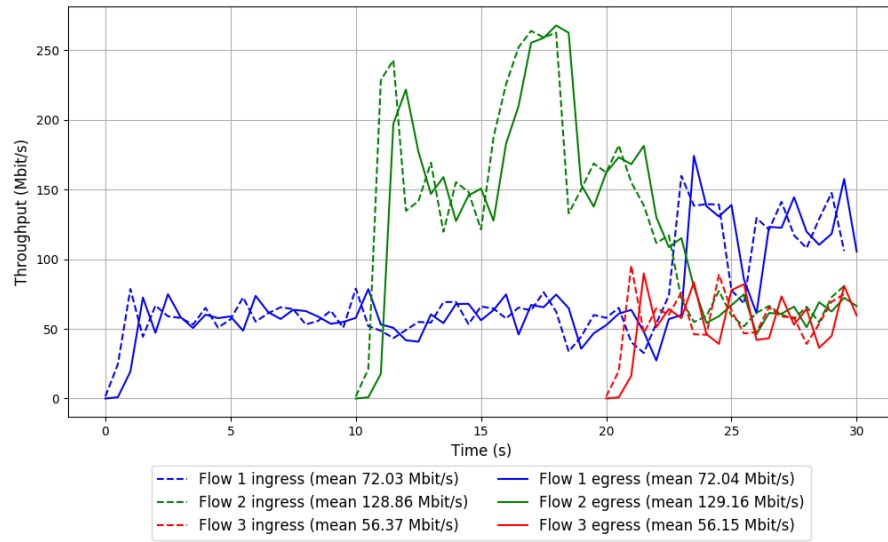


Run 6: Statistics of Copa

Start at: 2018-07-02 06:12:16
End at: 2018-07-02 06:12:46
Local clock offset: -0.089 ms
Remote clock offset: -1.212 ms

Below is generated by plot.py at 2018-07-02 08:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.44 Mbit/s
95th percentile per-packet one-way delay: 61.600 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 72.04 Mbit/s
95th percentile per-packet one-way delay: 56.310 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 129.16 Mbit/s
95th percentile per-packet one-way delay: 63.986 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 56.15 Mbit/s
95th percentile per-packet one-way delay: 56.340 ms
Loss rate: 1.46%

Run 6: Report of Copa — Data Link

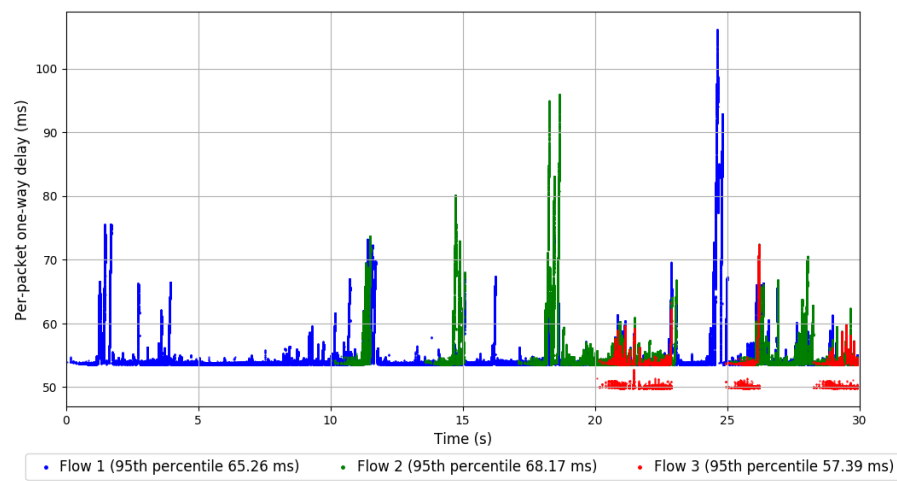
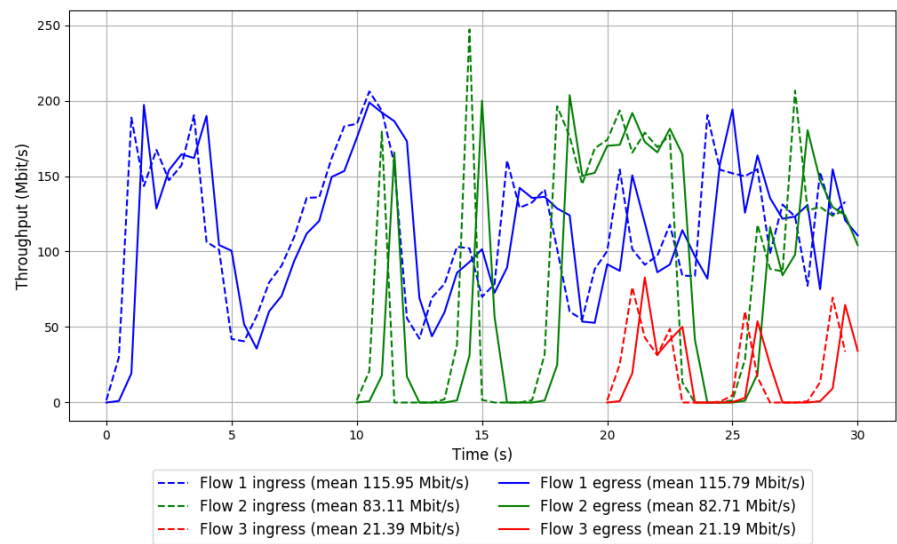


Run 7: Statistics of Copa

Start at: 2018-07-02 06:36:11
End at: 2018-07-02 06:36:41
Local clock offset: -0.235 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-07-02 08:34:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.75 Mbit/s
95th percentile per-packet one-way delay: 65.804 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 115.79 Mbit/s
95th percentile per-packet one-way delay: 65.264 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 68.166 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 57.392 ms
Loss rate: 1.95%

Run 7: Report of Copa — Data Link

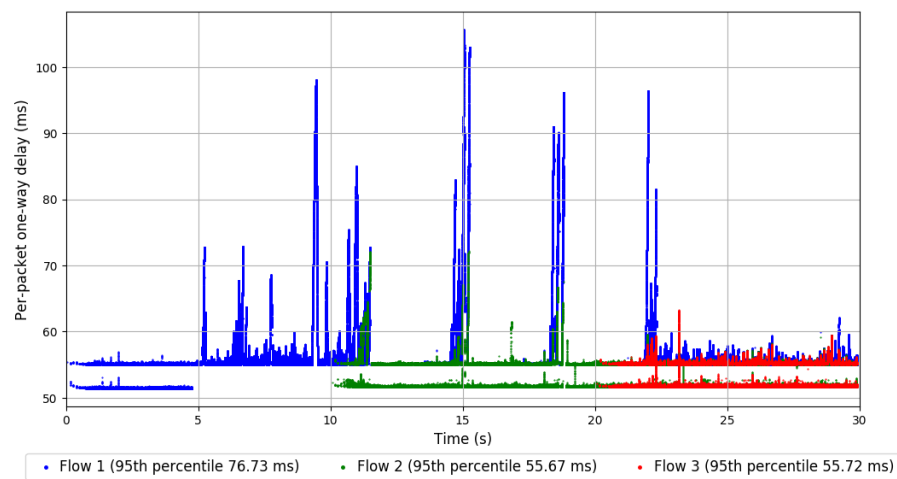
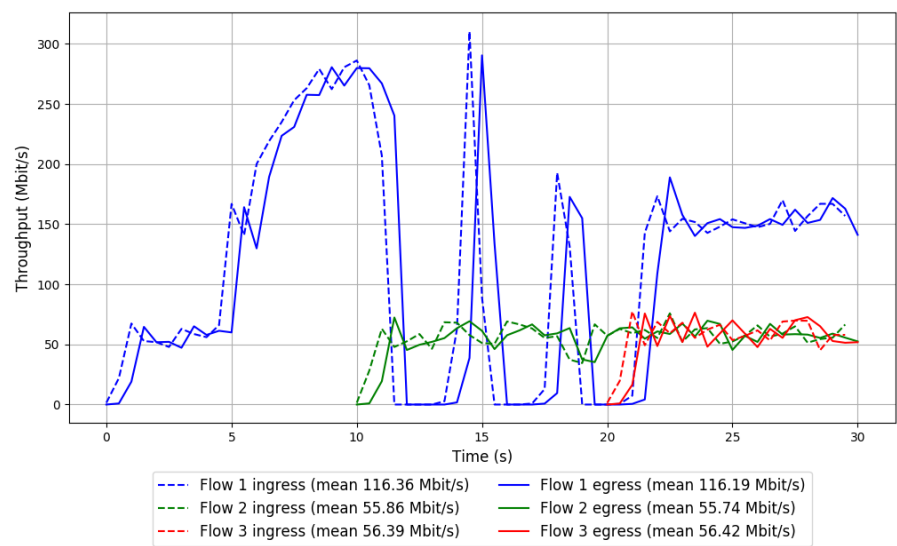


Run 8: Statistics of Copa

Start at: 2018-07-02 07:00:23
End at: 2018-07-02 07:00:54
Local clock offset: -0.0 ms
Remote clock offset: -1.503 ms

Below is generated by plot.py at 2018-07-02 08:36:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.81 Mbit/s
95th percentile per-packet one-way delay: 70.342 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 116.19 Mbit/s
95th percentile per-packet one-way delay: 76.732 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 55.74 Mbit/s
95th percentile per-packet one-way delay: 55.666 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 55.720 ms
Loss rate: 1.14%

Run 8: Report of Copa — Data Link

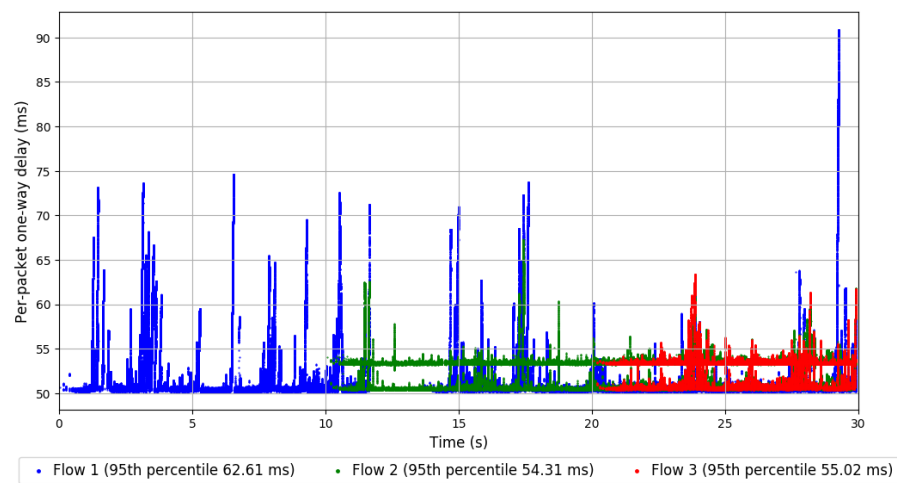
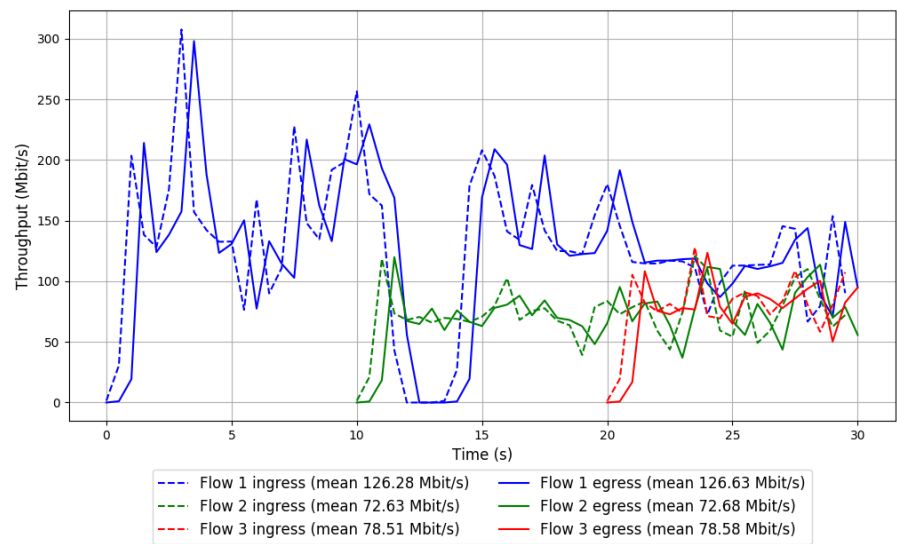


Run 9: Statistics of Copa

Start at: 2018-07-02 07:24:17
End at: 2018-07-02 07:24:47
Local clock offset: 0.023 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-07-02 08:37:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.77 Mbit/s
95th percentile per-packet one-way delay: 59.829 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 126.63 Mbit/s
95th percentile per-packet one-way delay: 62.614 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 72.68 Mbit/s
95th percentile per-packet one-way delay: 54.306 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 55.016 ms
Loss rate: 1.25%

Run 9: Report of Copa — Data Link

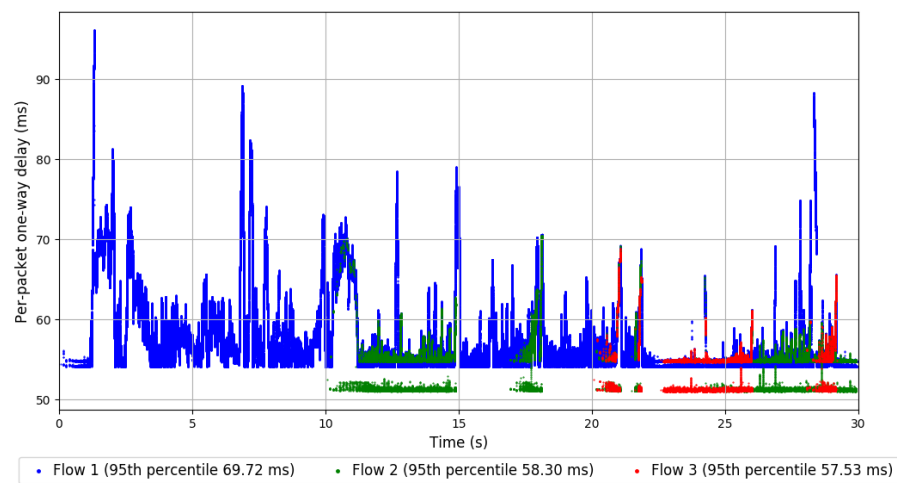
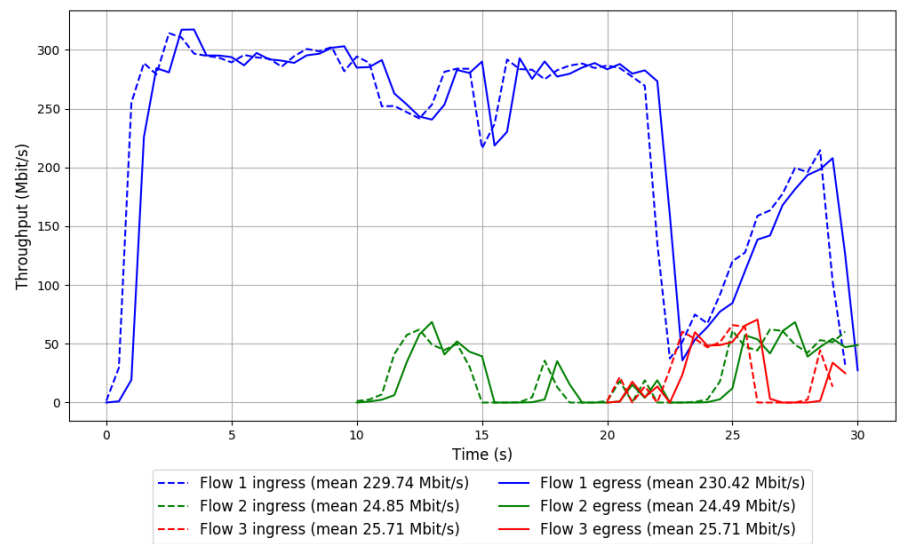


Run 10: Statistics of Copa

Start at: 2018-07-02 07:48:14
End at: 2018-07-02 07:48:44
Local clock offset: -0.228 ms
Remote clock offset: -1.358 ms

Below is generated by plot.py at 2018-07-02 08:39:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.53 Mbit/s
95th percentile per-packet one-way delay: 69.388 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 230.42 Mbit/s
95th percentile per-packet one-way delay: 69.723 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 58.296 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 57.533 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-02 04:10:46

End at: 2018-07-02 04:11:16

Local clock offset: -0.034 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-02 08:39:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.83 Mbit/s

95th percentile per-packet one-way delay: 102.206 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 201.89 Mbit/s

95th percentile per-packet one-way delay: 101.859 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 197.41 Mbit/s

95th percentile per-packet one-way delay: 101.362 ms

Loss rate: 0.61%

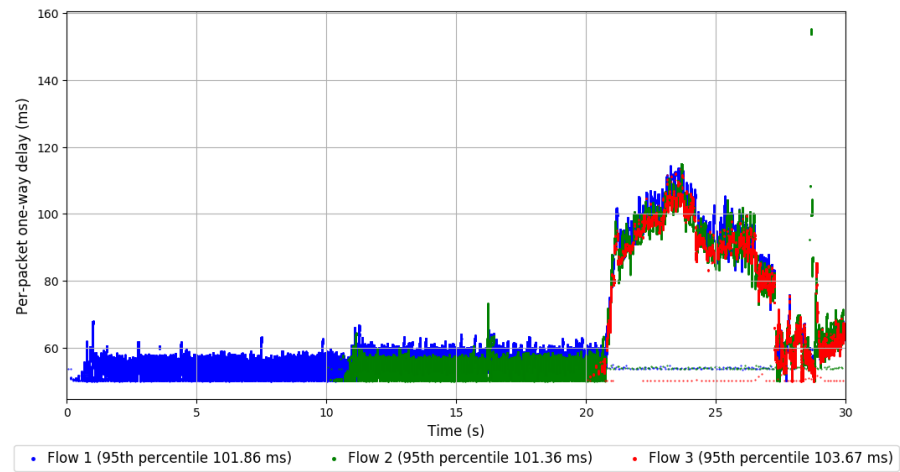
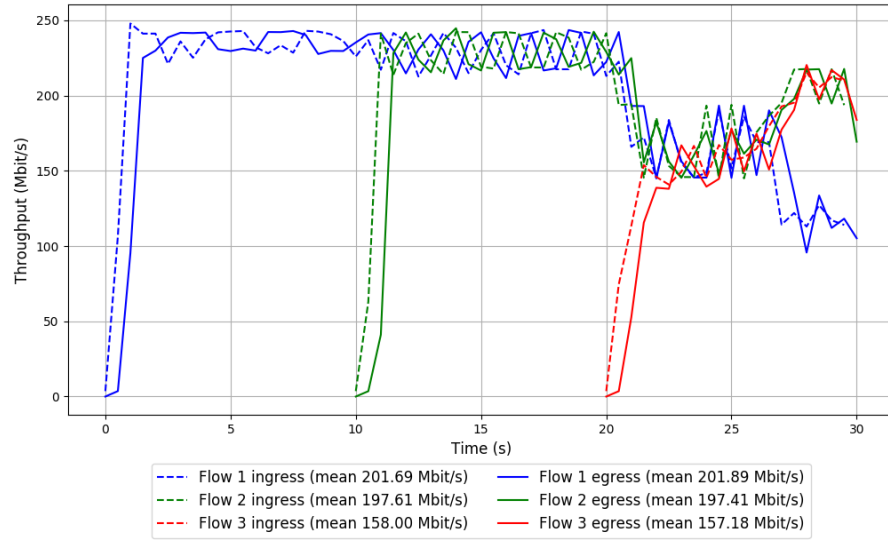
-- Flow 3:

Average throughput: 157.18 Mbit/s

95th percentile per-packet one-way delay: 103.667 ms

Loss rate: 1.55%

Run 1: Report of TCP Cubic — Data Link

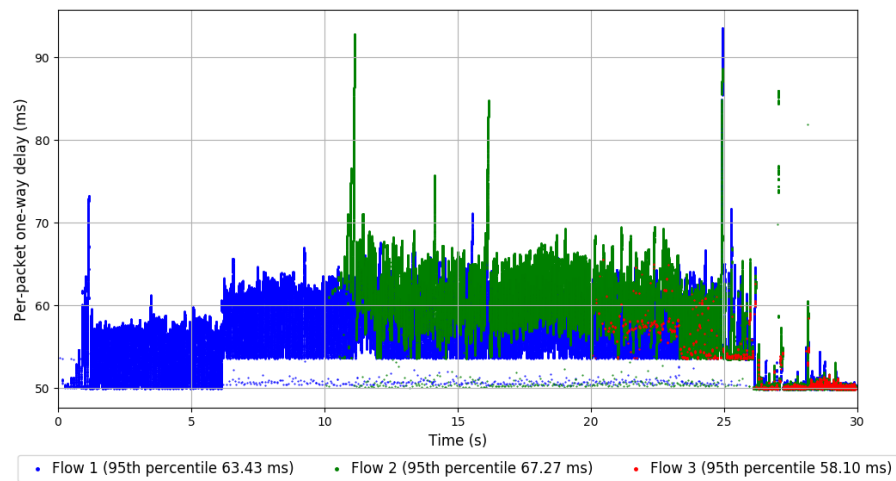
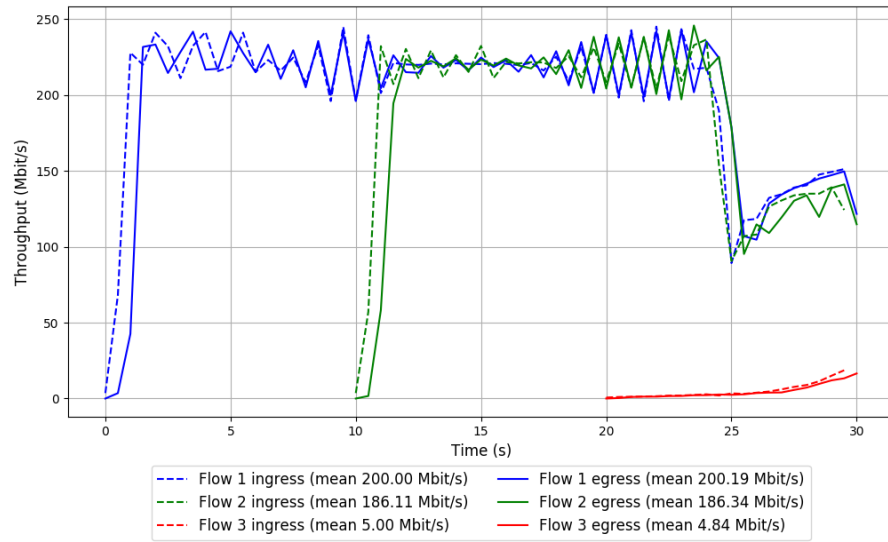


Run 2: Statistics of TCP Cubic

Start at: 2018-07-02 04:34:22
End at: 2018-07-02 04:34:52
Local clock offset: -0.098 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-02 08:39:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.70 Mbit/s
95th percentile per-packet one-way delay: 65.879 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 200.19 Mbit/s
95th percentile per-packet one-way delay: 63.426 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 186.34 Mbit/s
95th percentile per-packet one-way delay: 67.269 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 58.101 ms
Loss rate: 4.21%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-02 04:58:28

End at: 2018-07-02 04:58:58

Local clock offset: -0.01 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-07-02 08:39:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.65 Mbit/s

95th percentile per-packet one-way delay: 89.094 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 210.39 Mbit/s

95th percentile per-packet one-way delay: 87.233 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 41.83 Mbit/s

95th percentile per-packet one-way delay: 92.610 ms

Loss rate: 2.89%

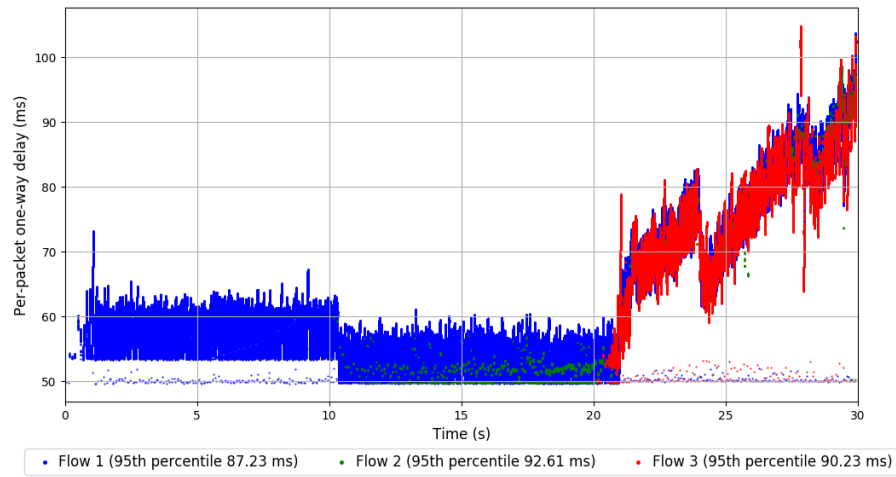
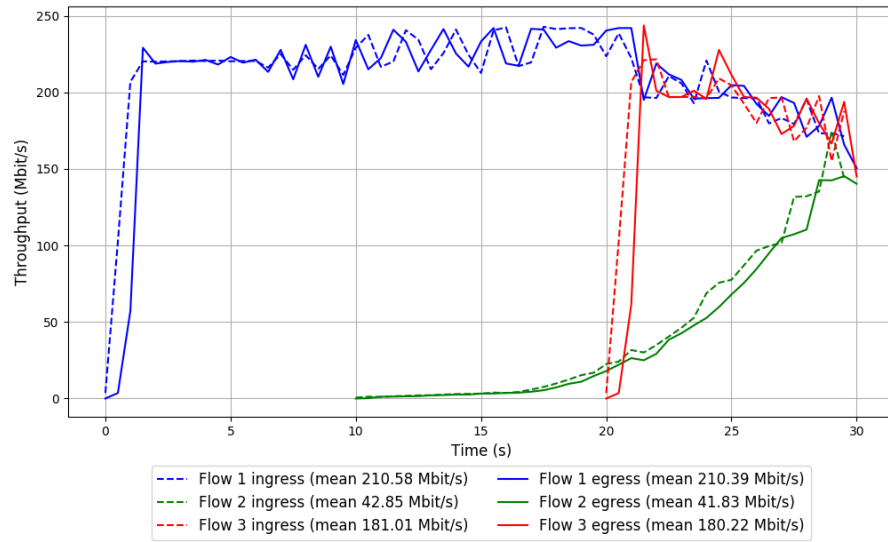
-- Flow 3:

Average throughput: 180.22 Mbit/s

95th percentile per-packet one-way delay: 90.230 ms

Loss rate: 1.48%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-02 05:21:57

End at: 2018-07-02 05:22:27

Local clock offset: -0.032 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-07-02 08:39:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.79 Mbit/s

95th percentile per-packet one-way delay: 66.456 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 209.35 Mbit/s

95th percentile per-packet one-way delay: 66.530 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 198.43 Mbit/s

95th percentile per-packet one-way delay: 66.399 ms

Loss rate: 0.36%

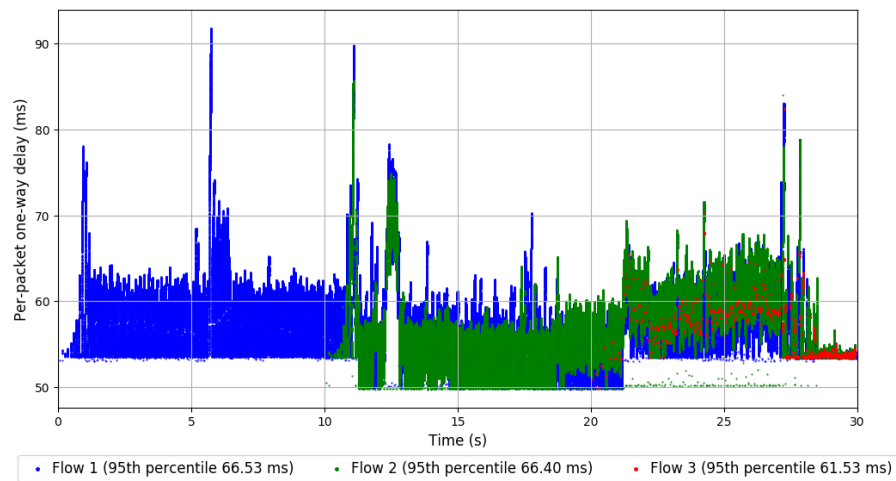
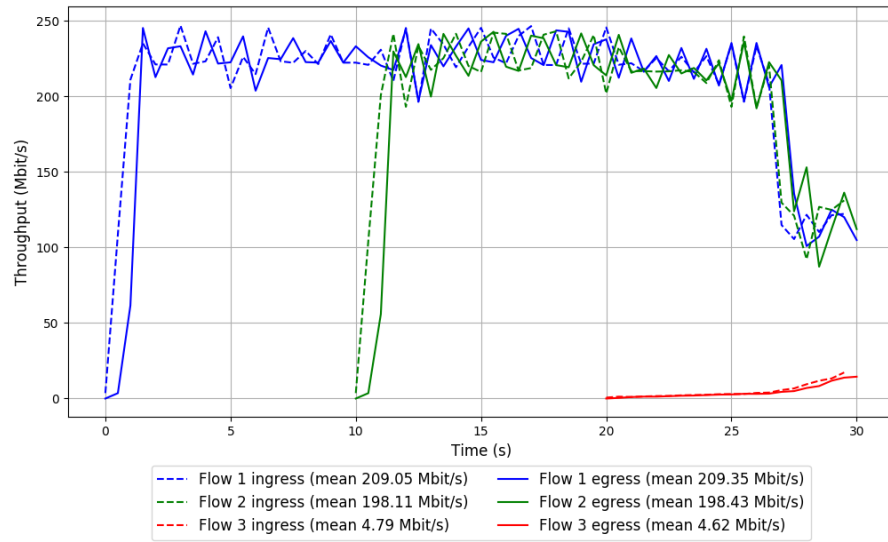
-- Flow 3:

Average throughput: 4.62 Mbit/s

95th percentile per-packet one-way delay: 61.535 ms

Loss rate: 4.38%

Run 4: Report of TCP Cubic — Data Link

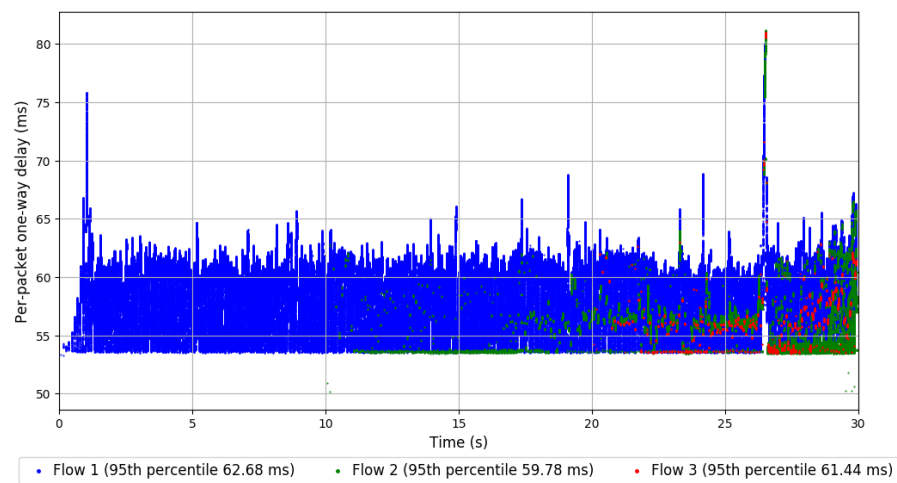
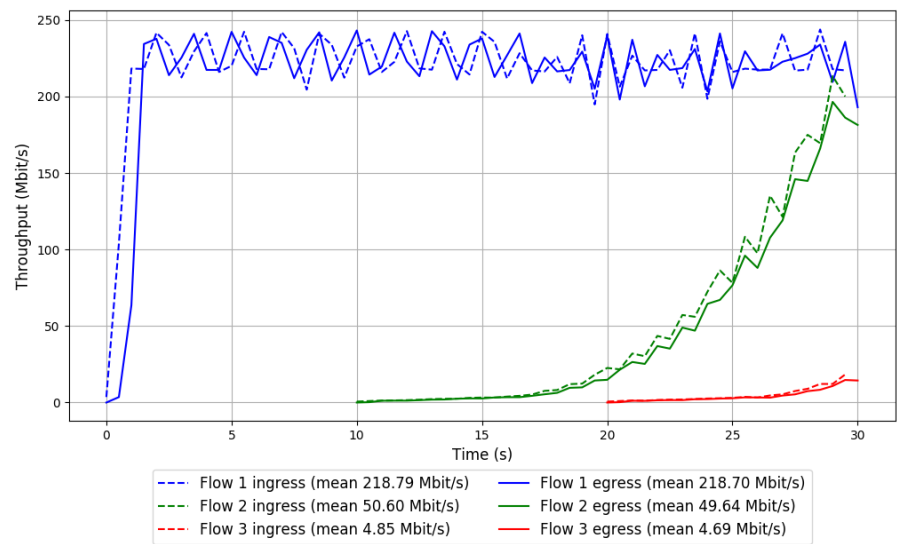


Run 5: Statistics of TCP Cubic

Start at: 2018-07-02 05:45:29
End at: 2018-07-02 05:45:59
Local clock offset: -0.147 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-02 08:39:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.21 Mbit/s
95th percentile per-packet one-way delay: 62.562 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 218.70 Mbit/s
95th percentile per-packet one-way delay: 62.681 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 59.779 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 61.442 ms
Loss rate: 4.32%

Run 5: Report of TCP Cubic — Data Link

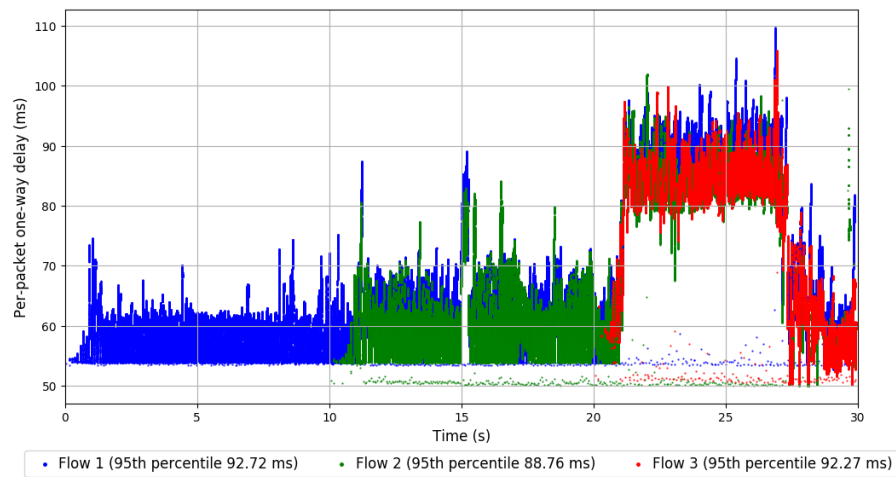
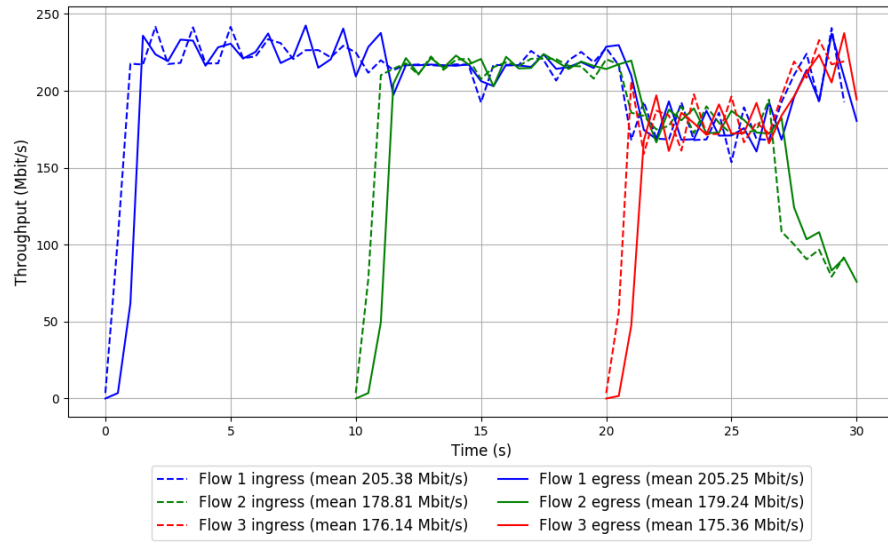


Run 6: Statistics of TCP Cubic

Start at: 2018-07-02 06:09:23
End at: 2018-07-02 06:09:53
Local clock offset: 0.027 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-02 08:43:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.96 Mbit/s
95th percentile per-packet one-way delay: 91.821 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 205.25 Mbit/s
95th percentile per-packet one-way delay: 92.725 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 179.24 Mbit/s
95th percentile per-packet one-way delay: 88.757 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 175.36 Mbit/s
95th percentile per-packet one-way delay: 92.269 ms
Loss rate: 1.39%

Run 6: Report of TCP Cubic — Data Link

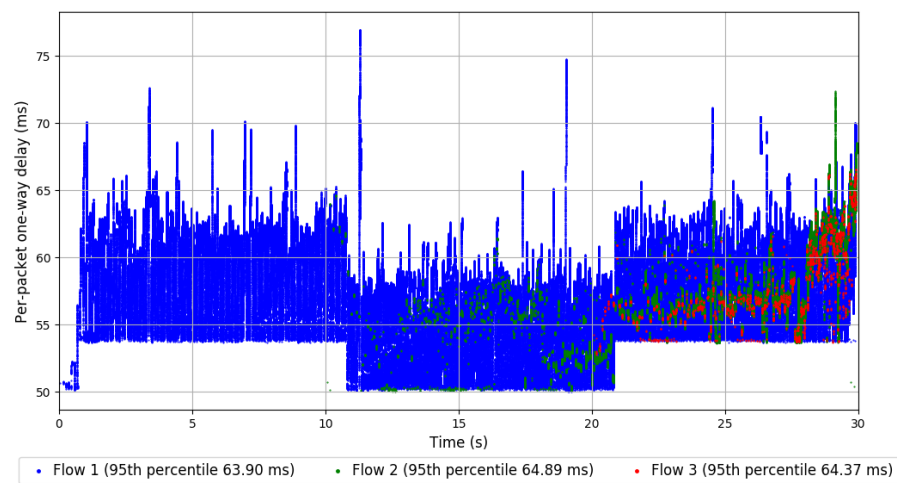
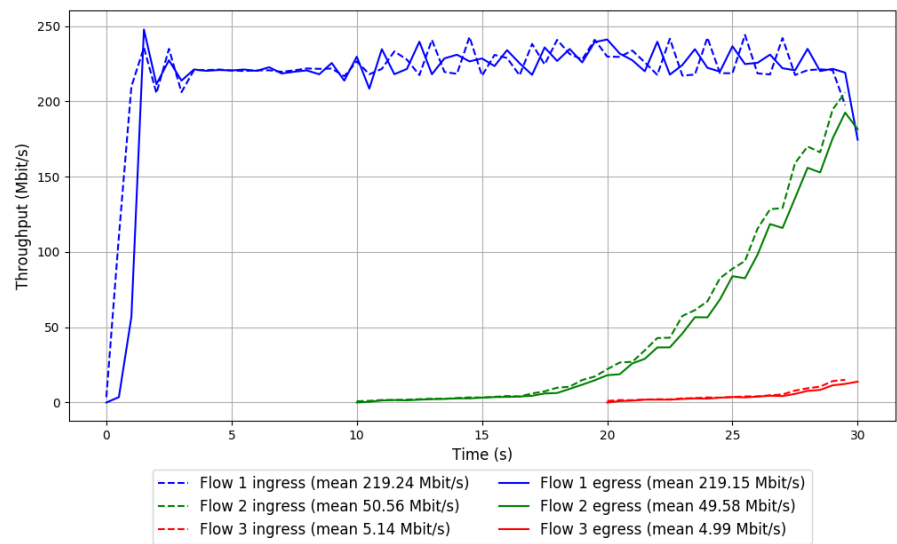


Run 7: Statistics of TCP Cubic

Start at: 2018-07-02 06:33:27
End at: 2018-07-02 06:33:57
Local clock offset: -0.274 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-02 08:43:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.53 Mbit/s
95th percentile per-packet one-way delay: 64.026 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 219.15 Mbit/s
95th percentile per-packet one-way delay: 63.900 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 64.890 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 64.369 ms
Loss rate: 3.94%

Run 7: Report of TCP Cubic — Data Link

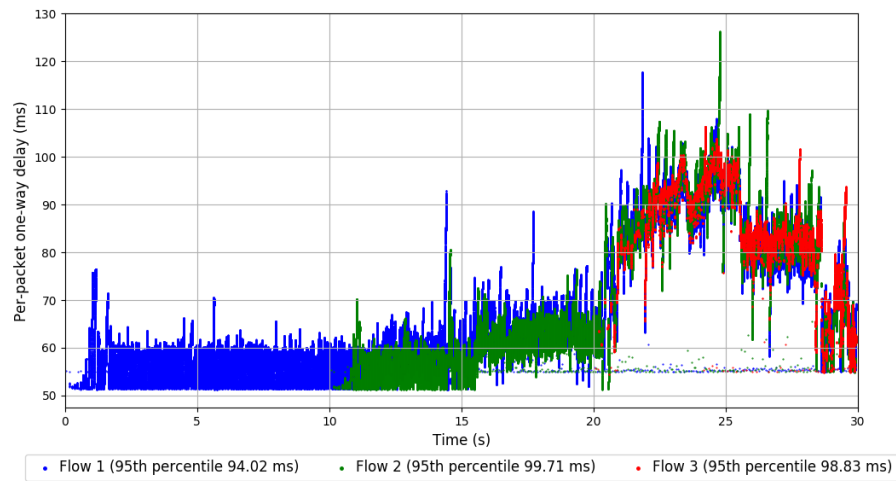
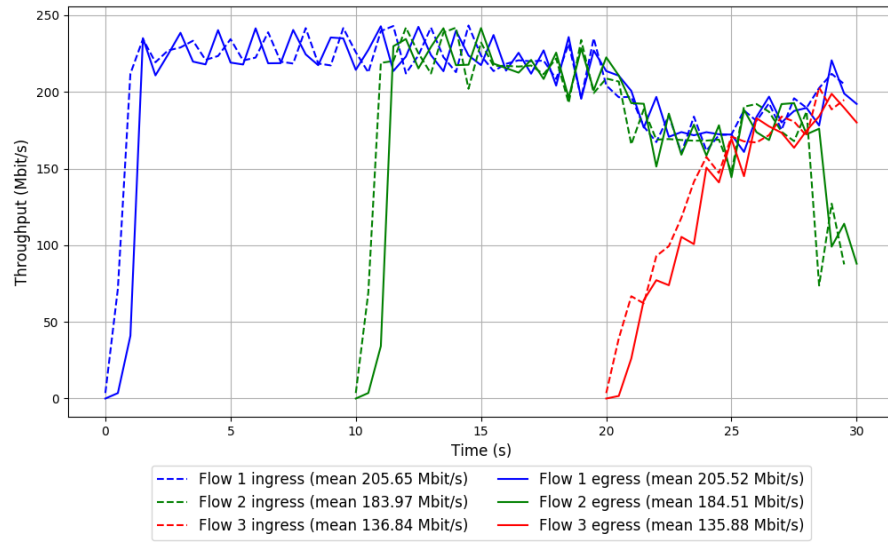


Run 8: Statistics of TCP Cubic

Start at: 2018-07-02 06:57:34
End at: 2018-07-02 06:58:04
Local clock offset: -0.058 ms
Remote clock offset: -1.372 ms

Below is generated by plot.py at 2018-07-02 08:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.04 Mbit/s
95th percentile per-packet one-way delay: 97.135 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 205.52 Mbit/s
95th percentile per-packet one-way delay: 94.019 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 184.51 Mbit/s
95th percentile per-packet one-way delay: 99.706 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 135.88 Mbit/s
95th percentile per-packet one-way delay: 98.828 ms
Loss rate: 1.73%

Run 8: Report of TCP Cubic — Data Link

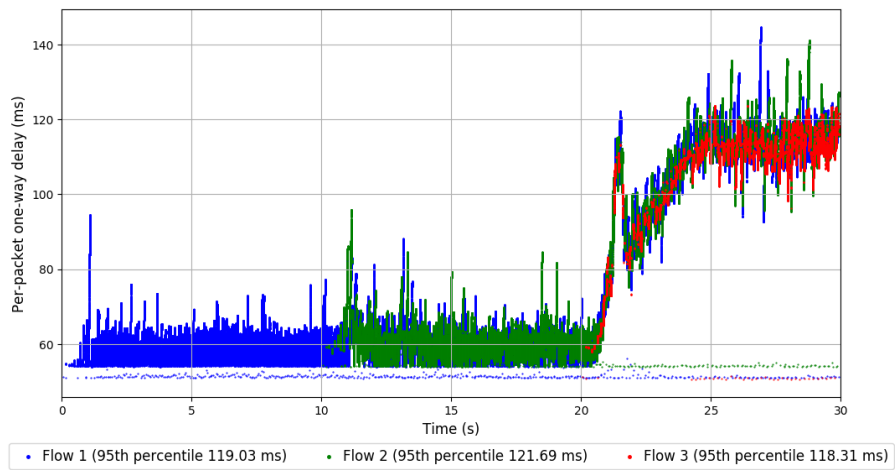
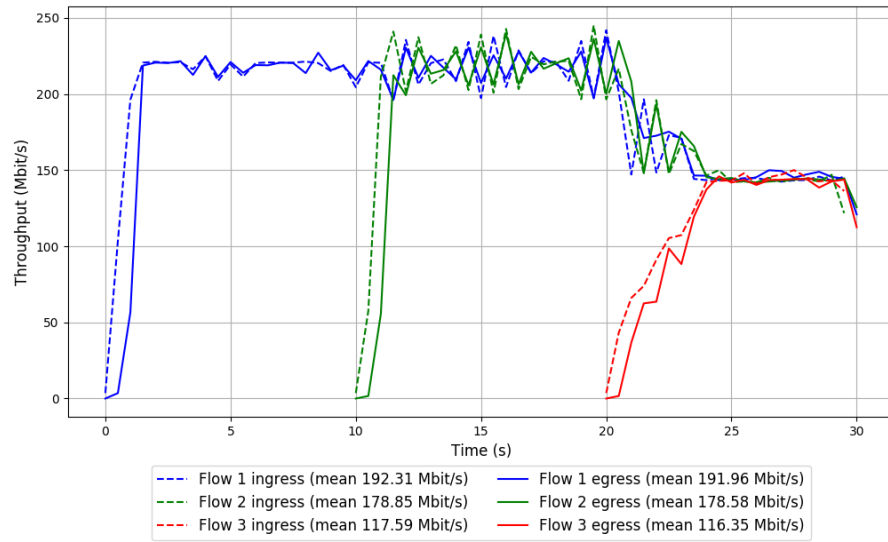


Run 9: Statistics of TCP Cubic

Start at: 2018-07-02 07:21:28
End at: 2018-07-02 07:21:58
Local clock offset: 0.034 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-02 08:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.03 Mbit/s
95th percentile per-packet one-way delay: 119.818 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 191.96 Mbit/s
95th percentile per-packet one-way delay: 119.029 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 178.58 Mbit/s
95th percentile per-packet one-way delay: 121.686 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 116.35 Mbit/s
95th percentile per-packet one-way delay: 118.310 ms
Loss rate: 2.09%

Run 9: Report of TCP Cubic — Data Link

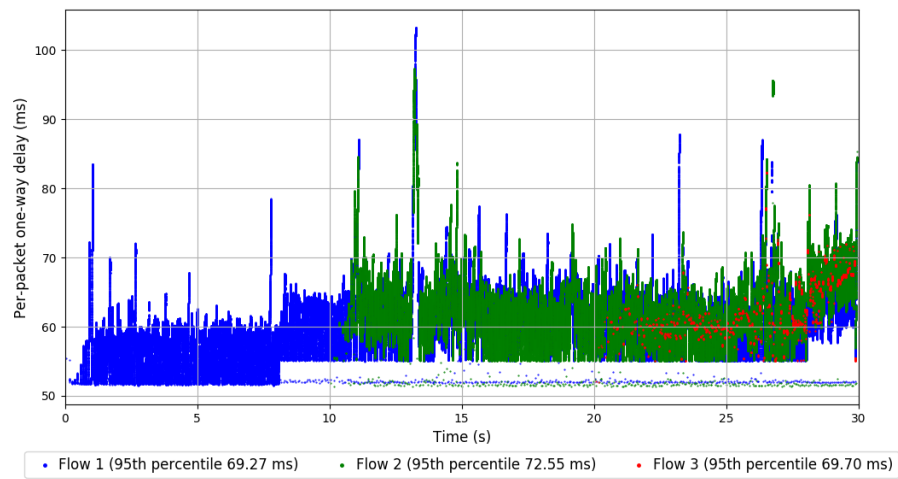
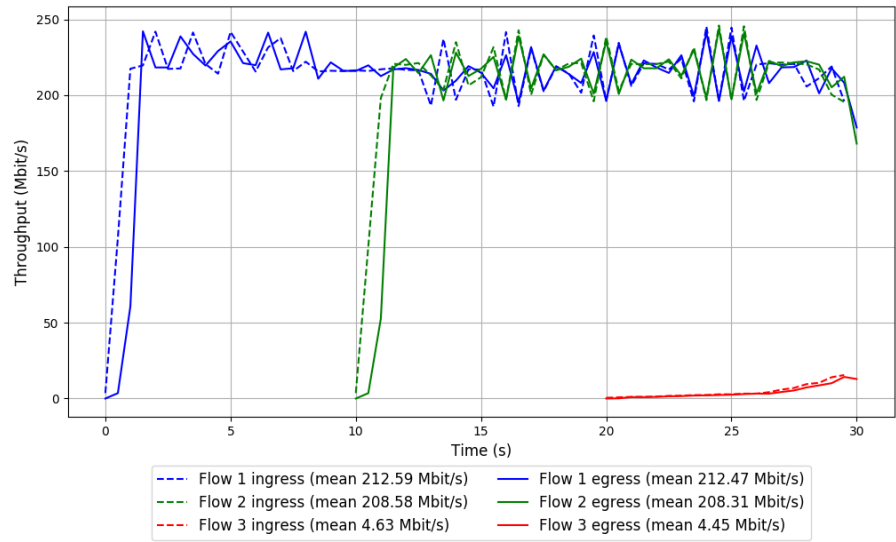


Run 10: Statistics of TCP Cubic

Start at: 2018-07-02 07:45:20
End at: 2018-07-02 07:45:50
Local clock offset: -0.045 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-07-02 08:44:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.51 Mbit/s
95th percentile per-packet one-way delay: 71.122 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 212.47 Mbit/s
95th percentile per-packet one-way delay: 69.274 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 208.31 Mbit/s
95th percentile per-packet one-way delay: 72.551 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 69.698 ms
Loss rate: 4.73%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-02 04:25:57

End at: 2018-07-02 04:26:27

Local clock offset: -0.042 ms

Remote clock offset: 1.117 ms

Below is generated by plot.py at 2018-07-02 09:10:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 1437.69 Mbit/s

95th percentile per-packet one-way delay: 234.112 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 750.29 Mbit/s

95th percentile per-packet one-way delay: 242.010 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 680.33 Mbit/s

95th percentile per-packet one-way delay: 266.777 ms

Loss rate: 4.08%

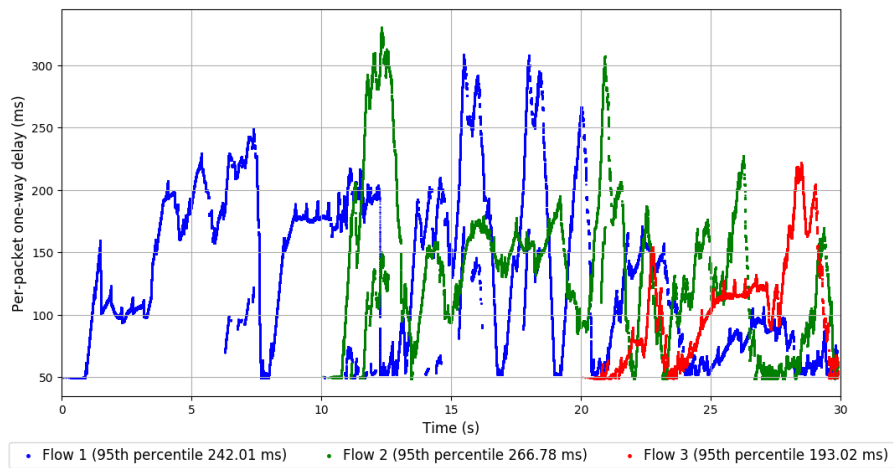
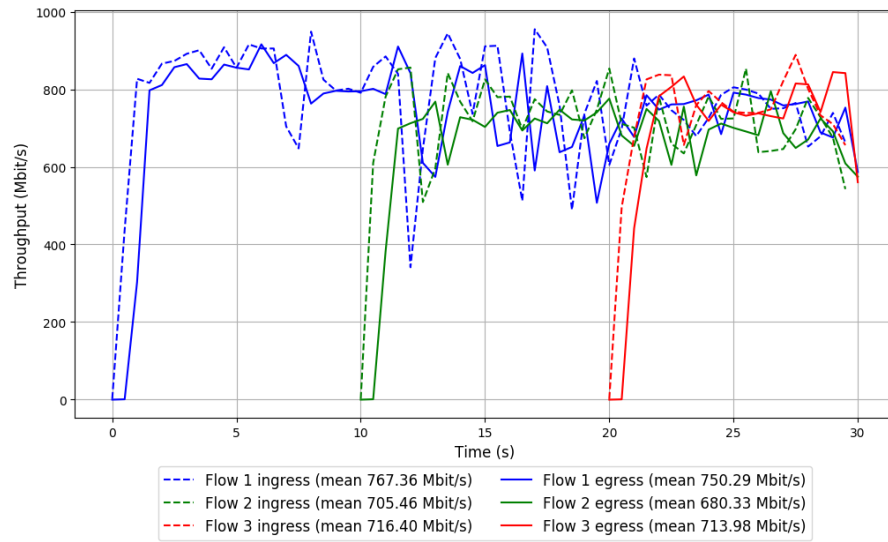
-- Flow 3:

Average throughput: 713.98 Mbit/s

95th percentile per-packet one-way delay: 193.016 ms

Loss rate: 1.40%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-02 04:50:01

End at: 2018-07-02 04:50:31

Local clock offset: 0.083 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-02 09:12:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 1441.56 Mbit/s

95th percentile per-packet one-way delay: 240.983 ms

Loss rate: 4.26%

-- Flow 1:

Average throughput: 778.68 Mbit/s

95th percentile per-packet one-way delay: 200.692 ms

Loss rate: 2.03%

-- Flow 2:

Average throughput: 670.07 Mbit/s

95th percentile per-packet one-way delay: 270.393 ms

Loss rate: 7.40%

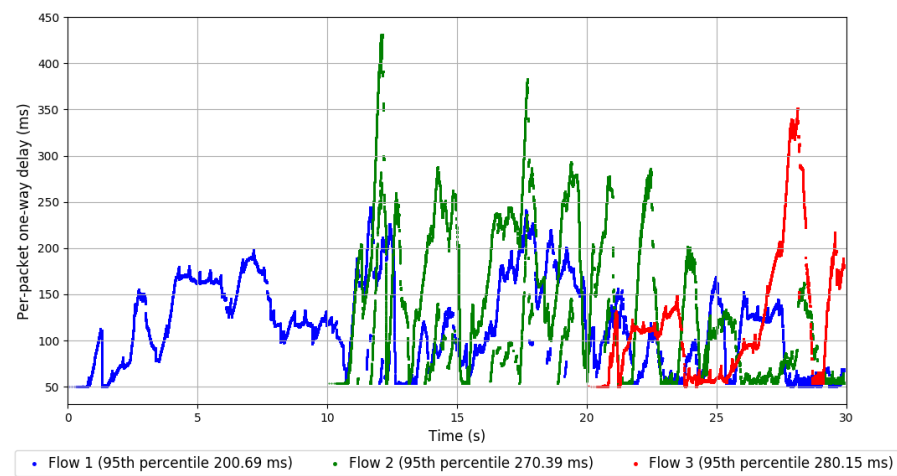
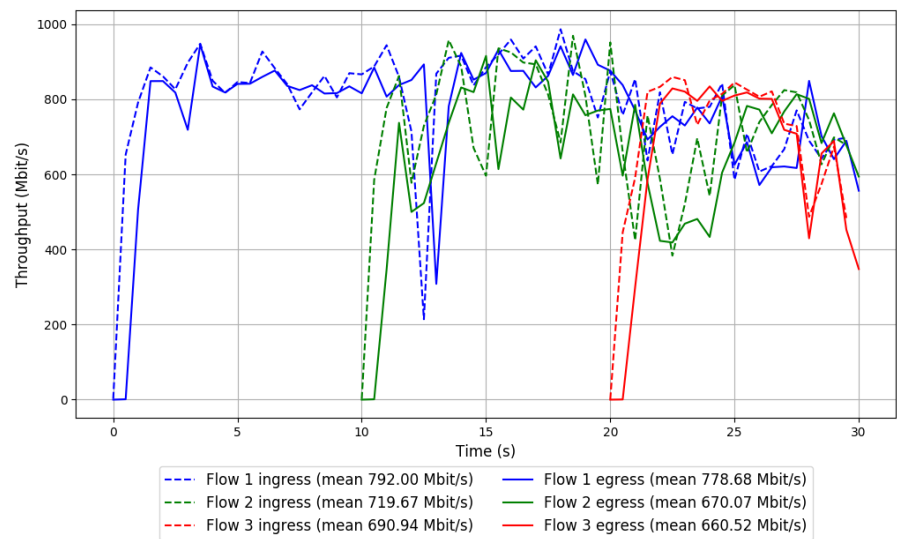
-- Flow 3:

Average throughput: 660.52 Mbit/s

95th percentile per-packet one-way delay: 280.147 ms

Loss rate: 5.41%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-02 05:13:34

End at: 2018-07-02 05:14:04

Local clock offset: 0.1 ms

Remote clock offset: 1.217 ms

Below is generated by plot.py at 2018-07-02 09:12:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1262.18 Mbit/s

95th percentile per-packet one-way delay: 230.680 ms

Loss rate: 3.94%

-- Flow 1:

Average throughput: 732.10 Mbit/s

95th percentile per-packet one-way delay: 215.542 ms

Loss rate: 4.11%

-- Flow 2:

Average throughput: 596.25 Mbit/s

95th percentile per-packet one-way delay: 230.690 ms

Loss rate: 3.33%

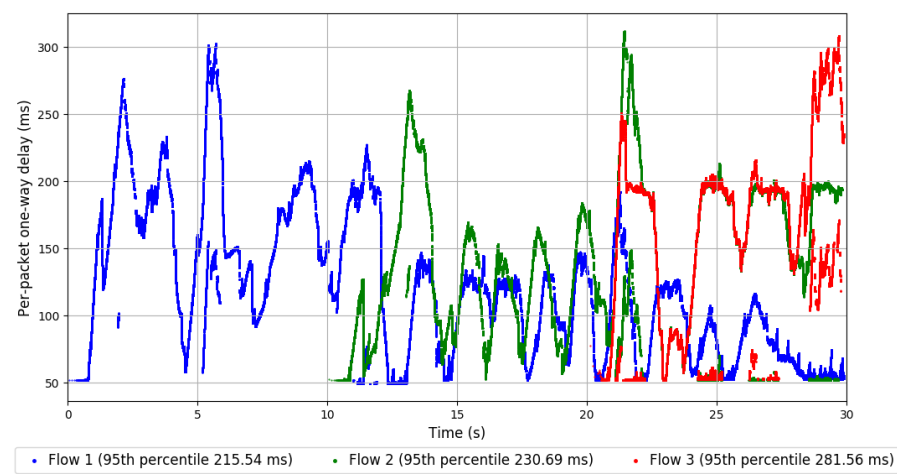
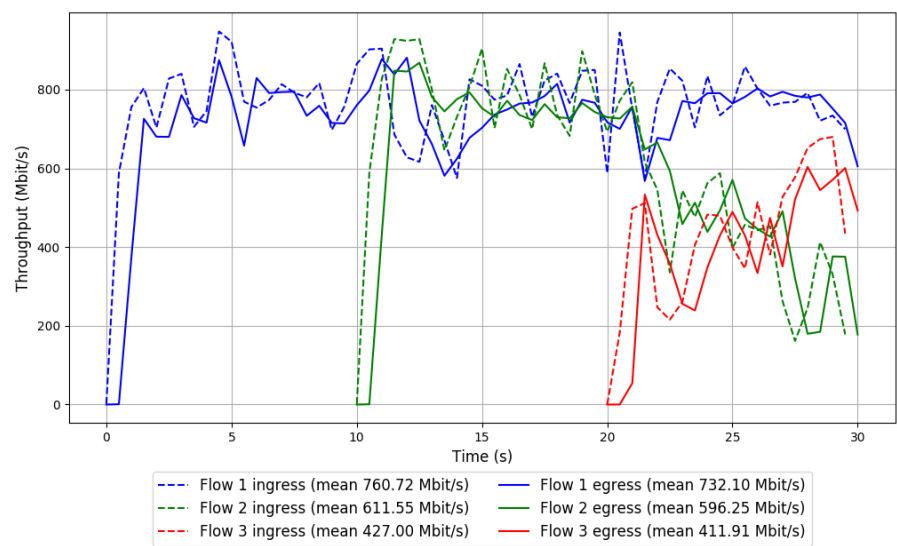
-- Flow 3:

Average throughput: 411.91 Mbit/s

95th percentile per-packet one-way delay: 281.565 ms

Loss rate: 4.81%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-02 05:37:06

End at: 2018-07-02 05:37:36

Local clock offset: -0.19 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-07-02 09:13:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1384.92 Mbit/s

95th percentile per-packet one-way delay: 215.221 ms

Loss rate: 4.41%

-- Flow 1:

Average throughput: 730.71 Mbit/s

95th percentile per-packet one-way delay: 191.588 ms

Loss rate: 4.22%

-- Flow 2:

Average throughput: 677.60 Mbit/s

95th percentile per-packet one-way delay: 226.700 ms

Loss rate: 4.97%

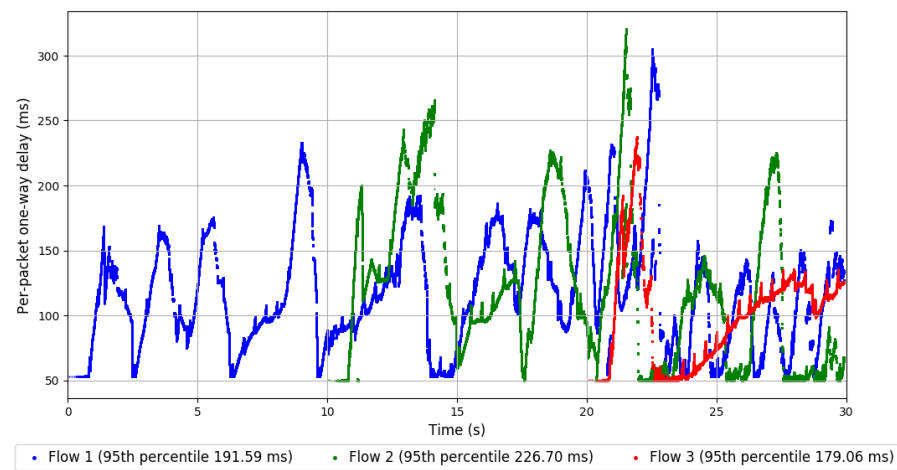
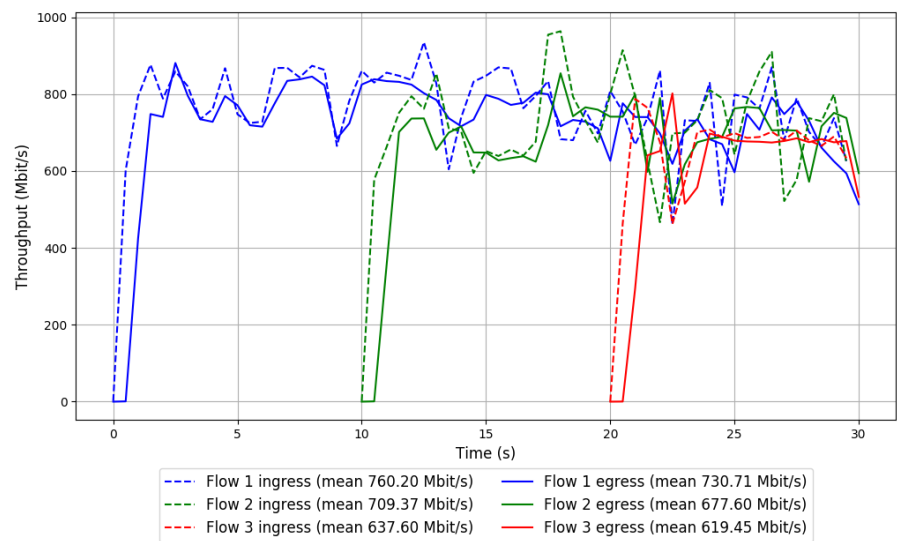
-- Flow 3:

Average throughput: 619.45 Mbit/s

95th percentile per-packet one-way delay: 179.064 ms

Loss rate: 3.87%

Run 4: Report of FillP — Data Link

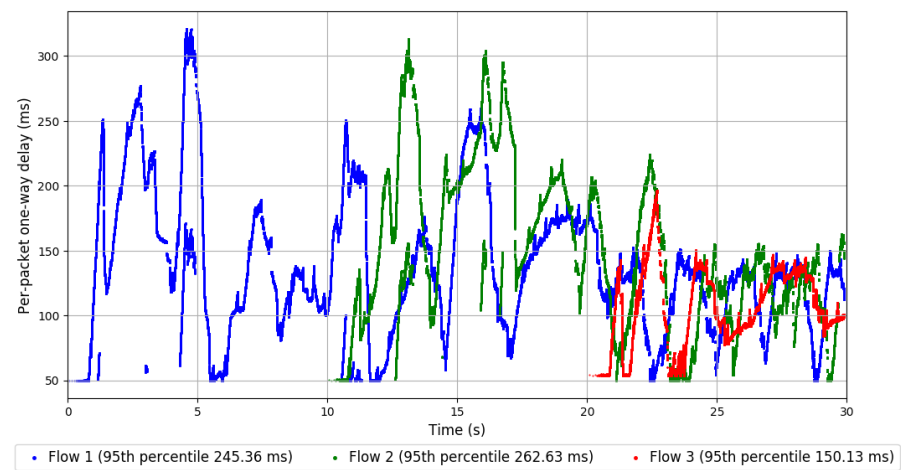
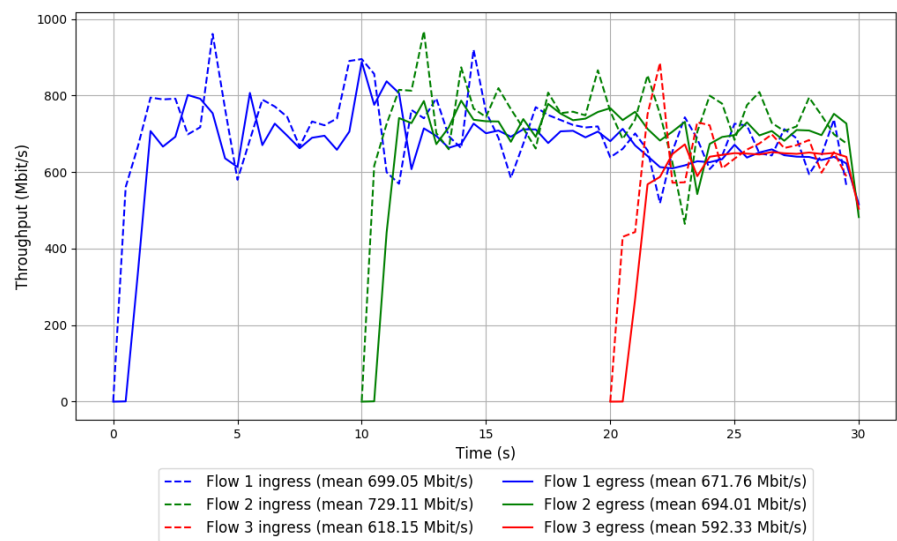


Run 5: Statistics of FillP

Start at: 2018-07-02 06:00:57
End at: 2018-07-02 06:01:27
Local clock offset: -0.092 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-02 09:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1327.38 Mbit/s
95th percentile per-packet one-way delay: 244.832 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 671.76 Mbit/s
95th percentile per-packet one-way delay: 245.363 ms
Loss rate: 4.24%
-- Flow 2:
Average throughput: 694.01 Mbit/s
95th percentile per-packet one-way delay: 262.626 ms
Loss rate: 5.31%
-- Flow 3:
Average throughput: 592.33 Mbit/s
95th percentile per-packet one-way delay: 150.127 ms
Loss rate: 5.23%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-02 06:24:57

End at: 2018-07-02 06:25:27

Local clock offset: -0.312 ms

Remote clock offset: 0.828 ms

Below is generated by plot.py at 2018-07-02 09:14:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1241.67 Mbit/s

95th percentile per-packet one-way delay: 224.282 ms

Loss rate: 5.73%

-- Flow 1:

Average throughput: 619.68 Mbit/s

95th percentile per-packet one-way delay: 233.497 ms

Loss rate: 6.44%

-- Flow 2:

Average throughput: 635.60 Mbit/s

95th percentile per-packet one-way delay: 221.329 ms

Loss rate: 4.97%

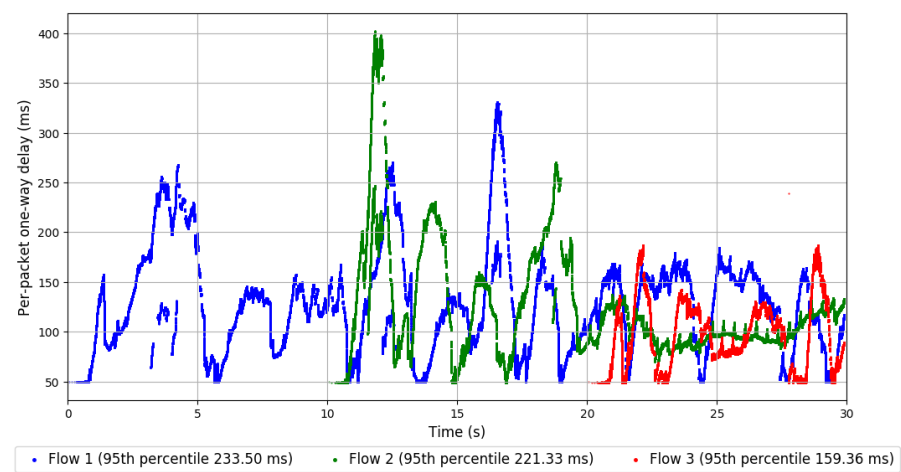
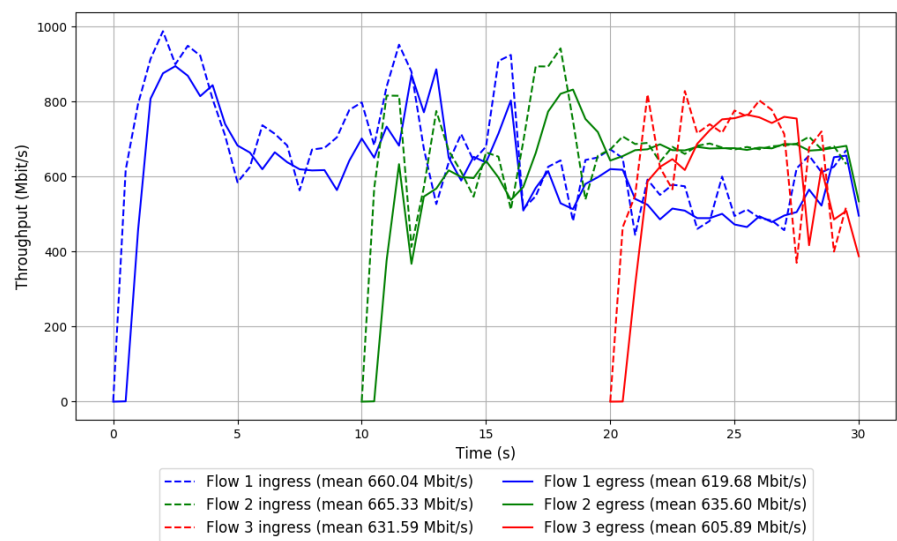
-- Flow 3:

Average throughput: 605.89 Mbit/s

95th percentile per-packet one-way delay: 159.362 ms

Loss rate: 5.08%

Run 6: Report of FillP — Data Link

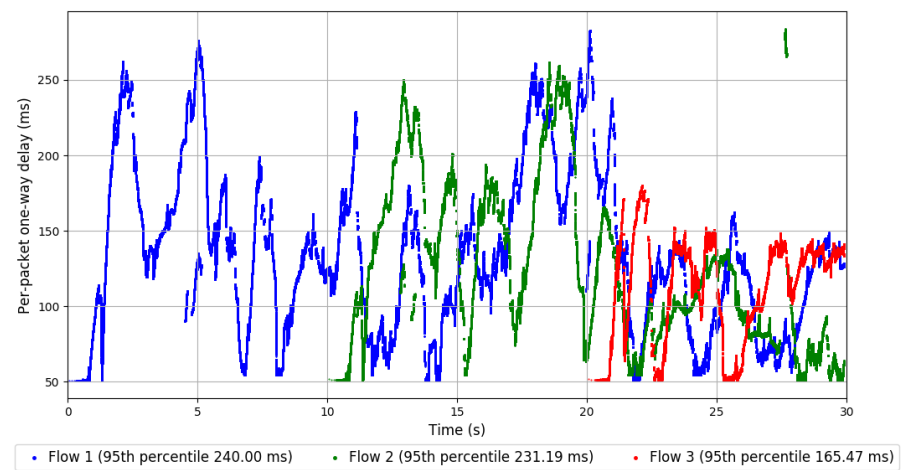
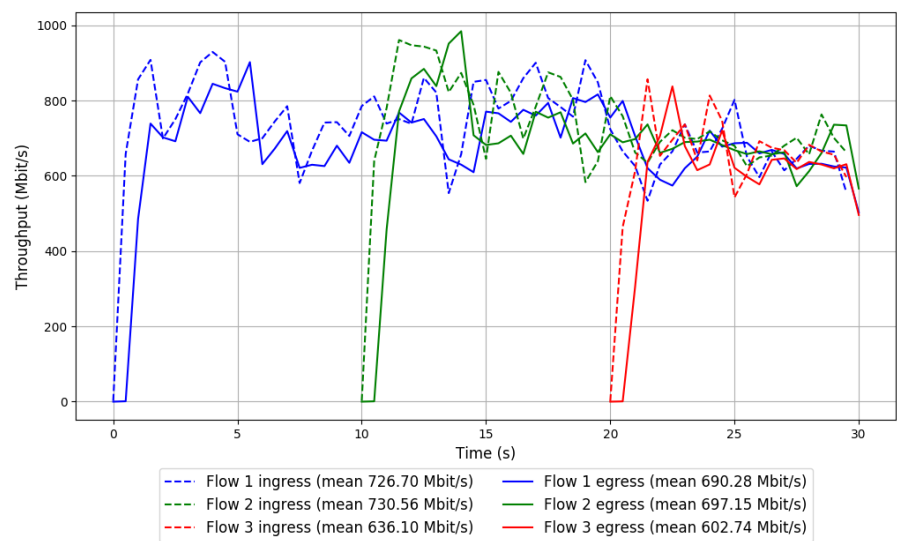


Run 7: Statistics of FillP

Start at: 2018-07-02 06:49:05
End at: 2018-07-02 06:49:35
Local clock offset: 0.046 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2018-07-02 09:15:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1352.16 Mbit/s
95th percentile per-packet one-way delay: 234.487 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 690.28 Mbit/s
95th percentile per-packet one-way delay: 240.000 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 697.15 Mbit/s
95th percentile per-packet one-way delay: 231.195 ms
Loss rate: 5.08%
-- Flow 3:
Average throughput: 602.74 Mbit/s
95th percentile per-packet one-way delay: 165.473 ms
Loss rate: 6.25%

Run 7: Report of FillP — Data Link

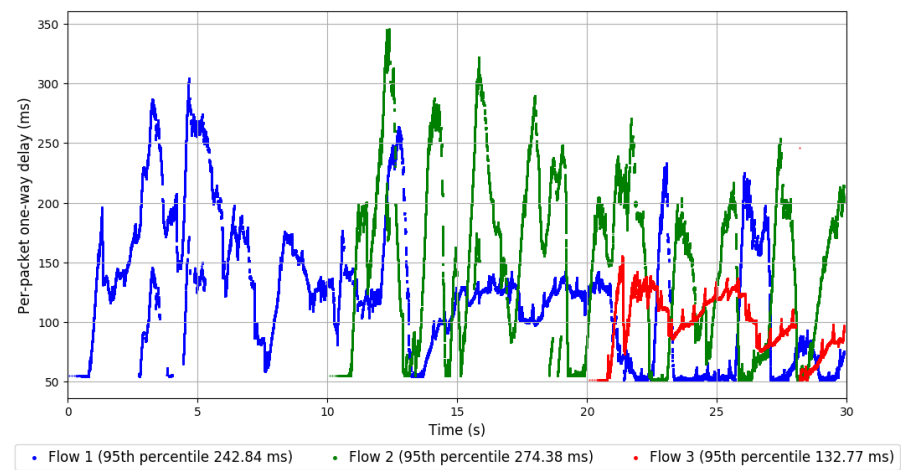
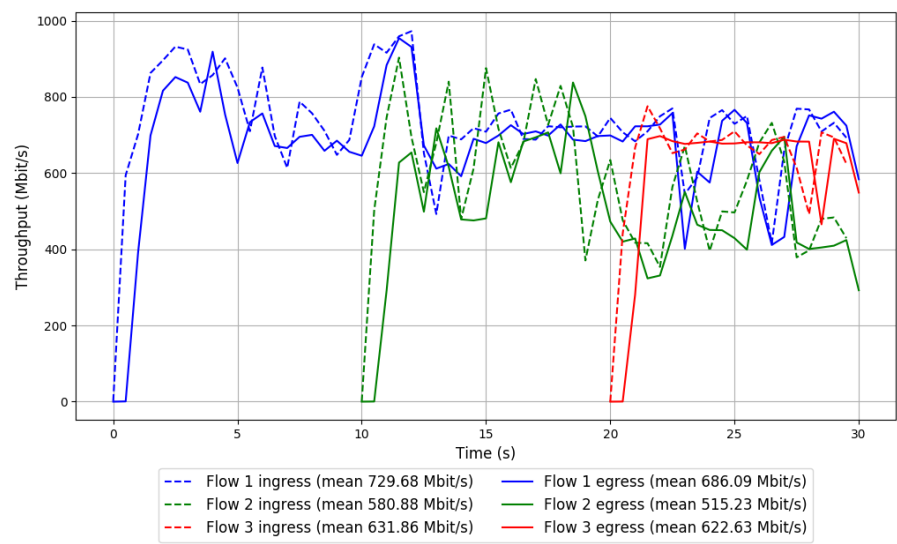


Run 8: Statistics of FillP

Start at: 2018-07-02 07:12:57
End at: 2018-07-02 07:13:27
Local clock offset: -0.198 ms
Remote clock offset: -1.149 ms

Below is generated by plot.py at 2018-07-02 09:15:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1233.00 Mbit/s
95th percentile per-packet one-way delay: 246.481 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 686.09 Mbit/s
95th percentile per-packet one-way delay: 242.836 ms
Loss rate: 6.31%
-- Flow 2:
Average throughput: 515.23 Mbit/s
95th percentile per-packet one-way delay: 274.376 ms
Loss rate: 11.76%
-- Flow 3:
Average throughput: 622.63 Mbit/s
95th percentile per-packet one-way delay: 132.766 ms
Loss rate: 2.50%

Run 8: Report of FillP — Data Link

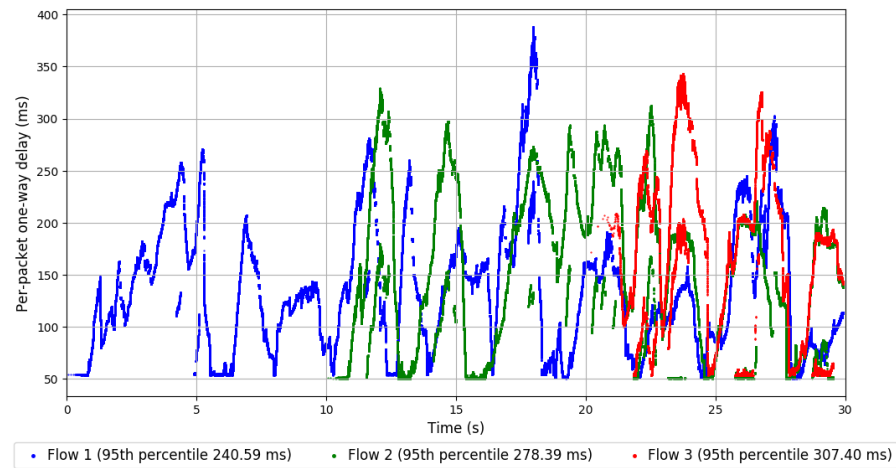
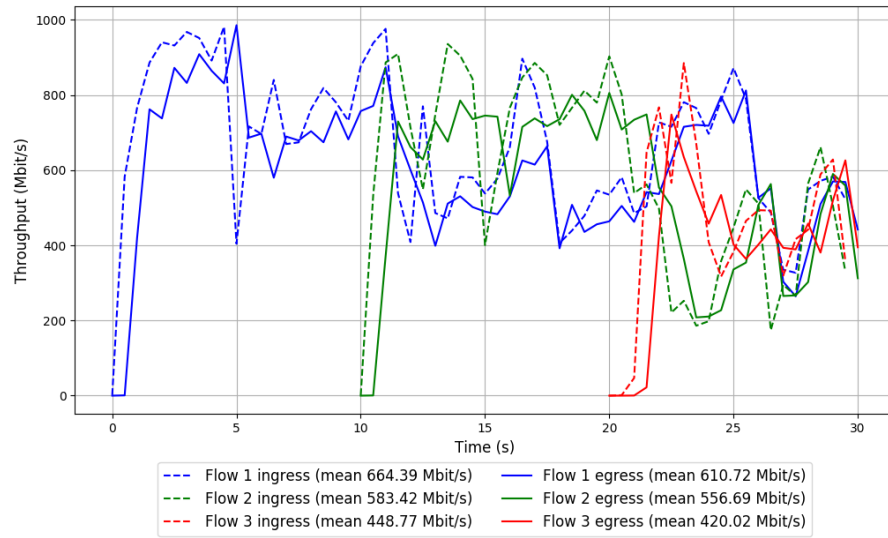


Run 9: Statistics of FillP

Start at: 2018-07-02 07:36:59
End at: 2018-07-02 07:37:29
Local clock offset: 0.141 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-02 09:36:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1117.07 Mbit/s
95th percentile per-packet one-way delay: 270.610 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 610.72 Mbit/s
95th percentile per-packet one-way delay: 240.586 ms
Loss rate: 8.41%
-- Flow 2:
Average throughput: 556.69 Mbit/s
95th percentile per-packet one-way delay: 278.390 ms
Loss rate: 5.08%
-- Flow 3:
Average throughput: 420.02 Mbit/s
95th percentile per-packet one-way delay: 307.405 ms
Loss rate: 8.54%

Run 9: Report of FillP — Data Link

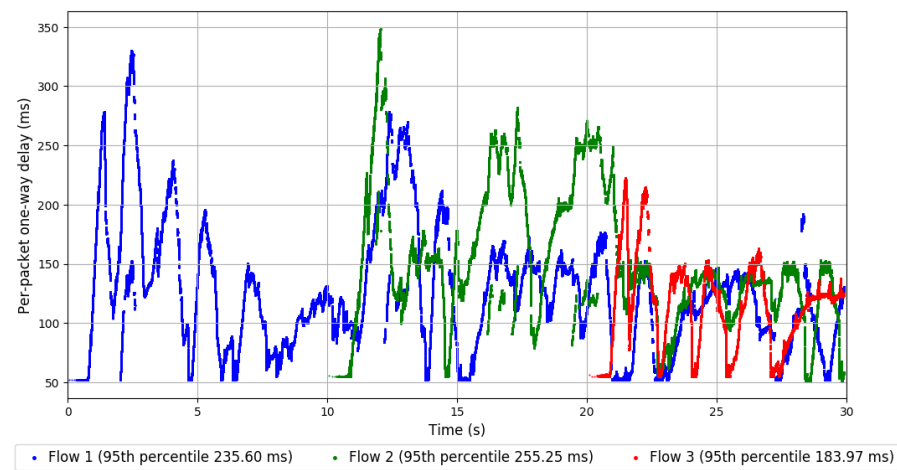
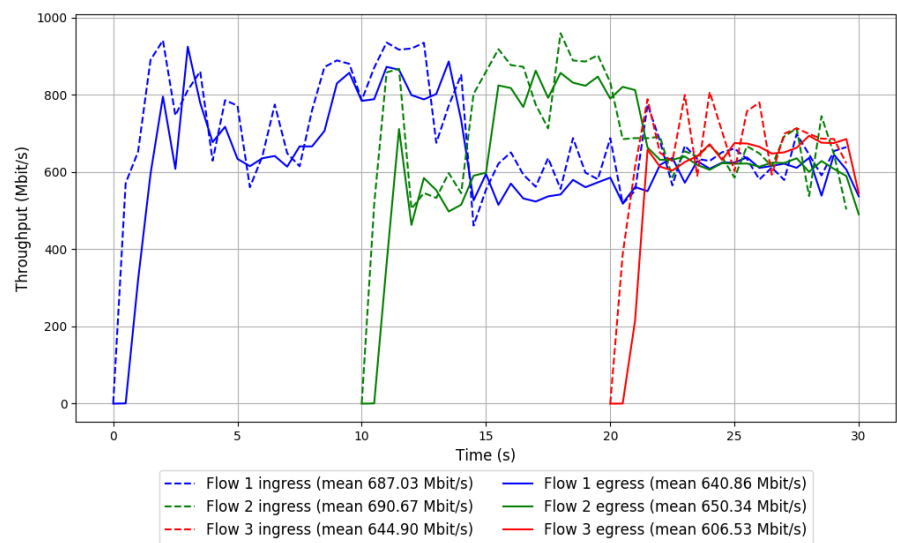


Run 10: Statistics of FillP

Start at: 2018-07-02 08:01:03
End at: 2018-07-02 08:01:33
Local clock offset: -0.048 ms
Remote clock offset: -1.278 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1272.61 Mbit/s
95th percentile per-packet one-way delay: 250.178 ms
Loss rate: 6.81%
-- Flow 1:
Average throughput: 640.86 Mbit/s
95th percentile per-packet one-way delay: 235.596 ms
Loss rate: 7.05%
-- Flow 2:
Average throughput: 650.34 Mbit/s
95th percentile per-packet one-way delay: 255.249 ms
Loss rate: 6.37%
-- Flow 3:
Average throughput: 606.53 Mbit/s
95th percentile per-packet one-way delay: 183.966 ms
Loss rate: 6.99%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-02 04:08:15

End at: 2018-07-02 04:08:45

Local clock offset: -0.203 ms

Remote clock offset: 1.202 ms

Below is generated by plot.py at 2018-07-02 09:43:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.460 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 49.202 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 49.514 ms

Loss rate: 0.00%

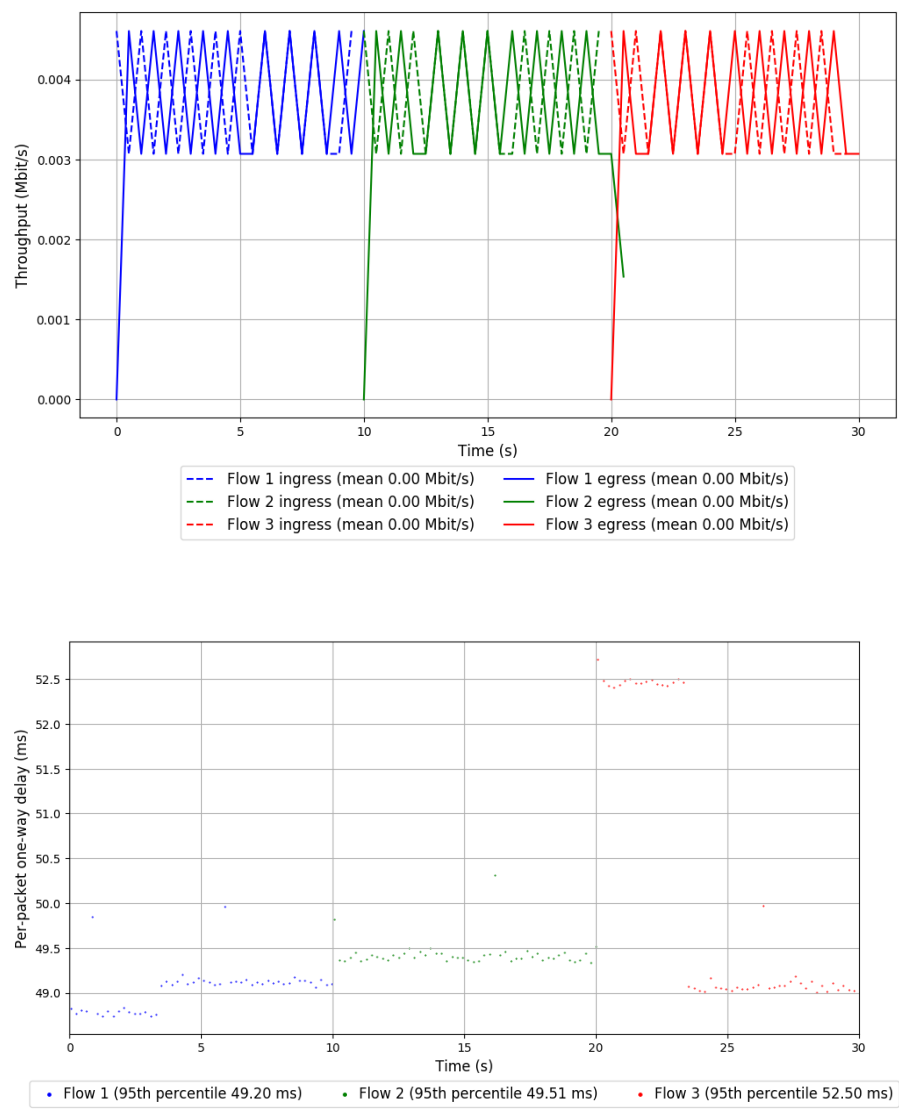
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.497 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

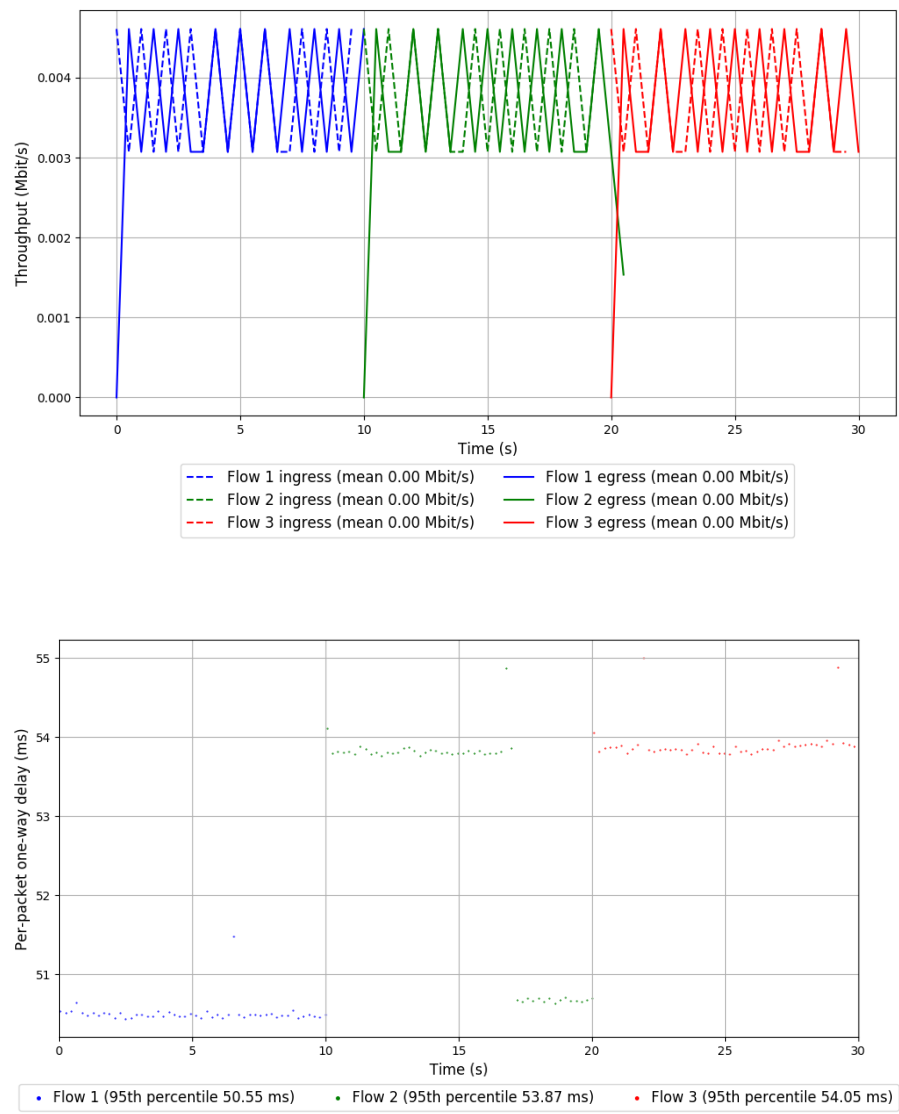


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-02 04:31:51
End at: 2018-07-02 04:32:21
Local clock offset: 0.053 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.545 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.874 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 54.049 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

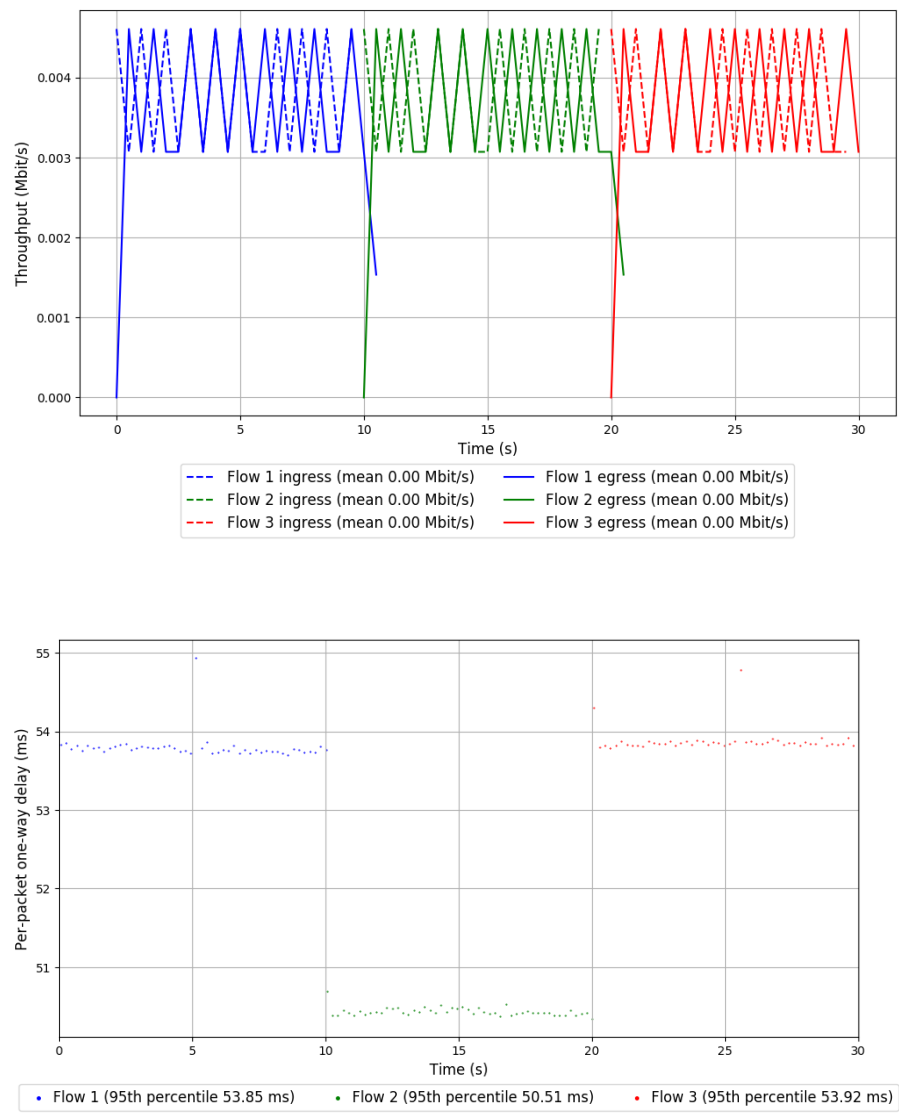


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-02 04:55:57
End at: 2018-07-02 04:56:27
Local clock offset: 0.088 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.852 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.923 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

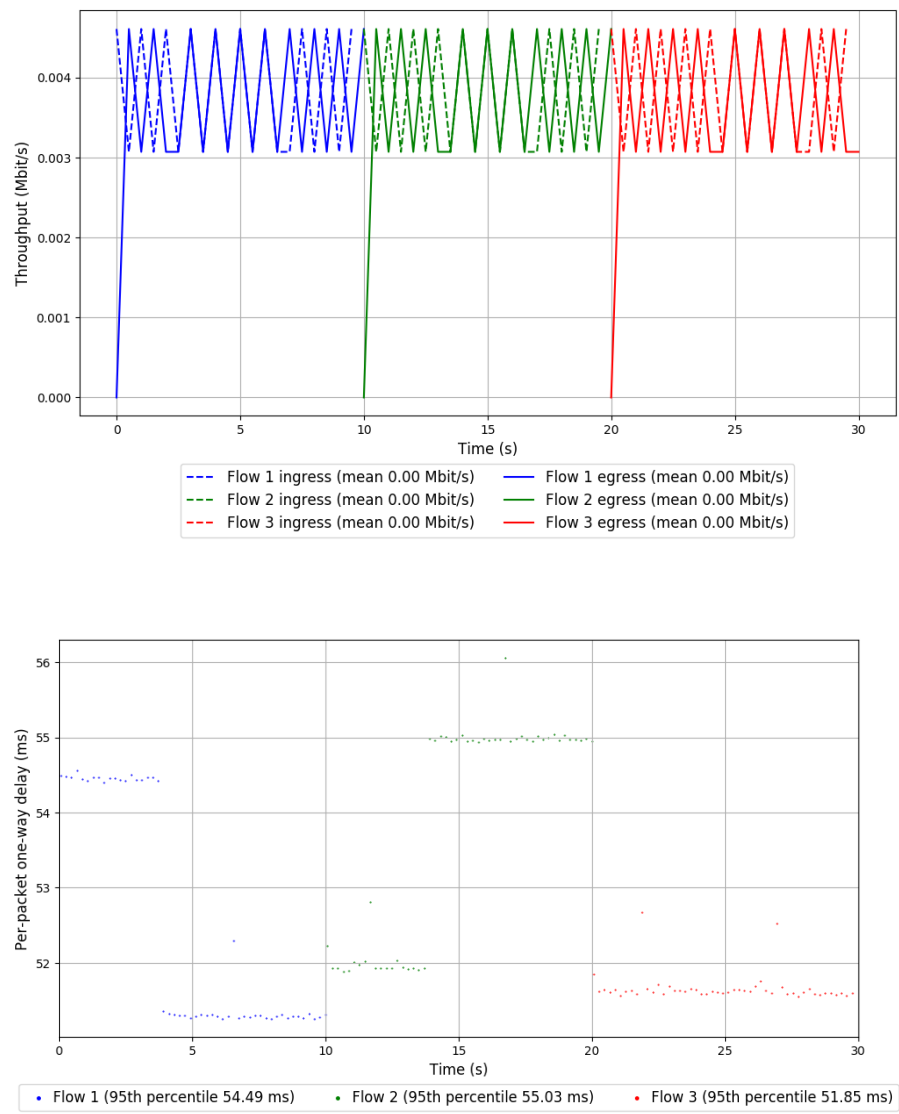


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-02 05:19:24
End at: 2018-07-02 05:19:54
Local clock offset: -0.105 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 55.009 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 54.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 55.031 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.846 ms
Loss rate: 2.00%

Run 4: Report of FillP-Sheep — Data Link

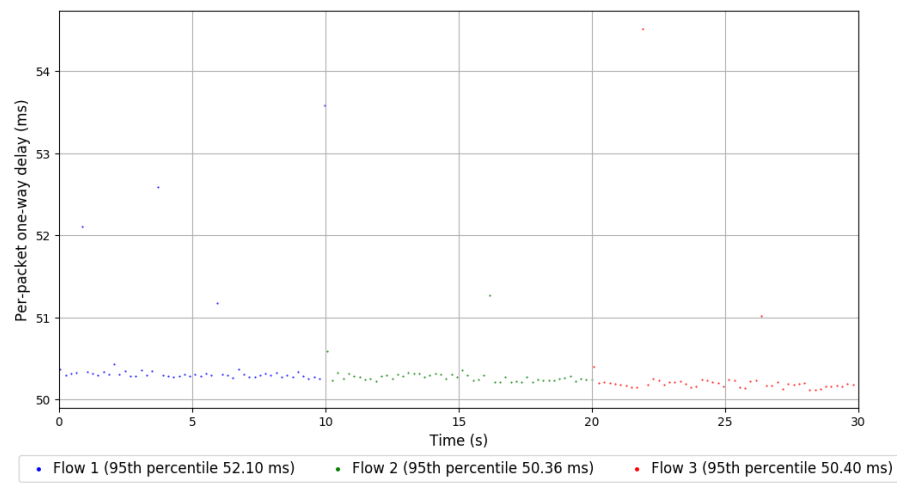
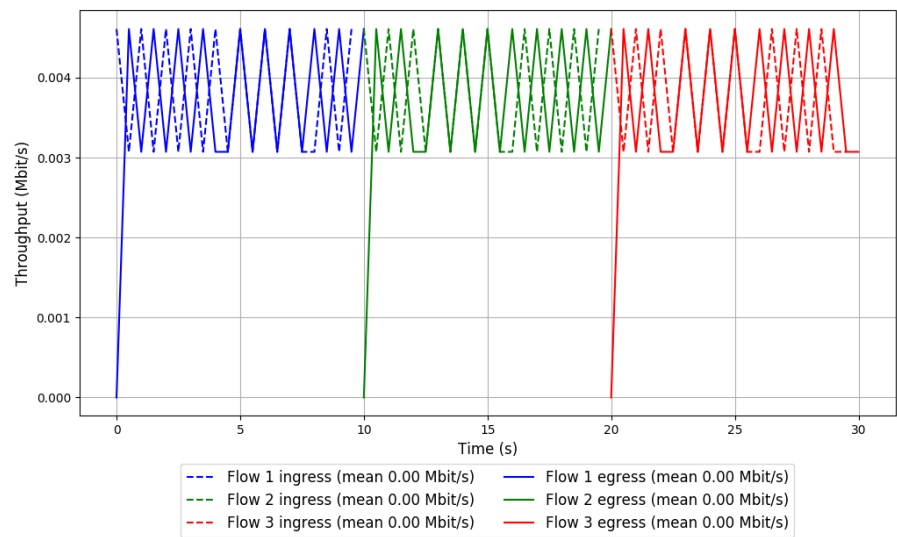


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-02 05:42:58
End at: 2018-07-02 05:43:28
Local clock offset: -0.153 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 52.103 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.362 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.402 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

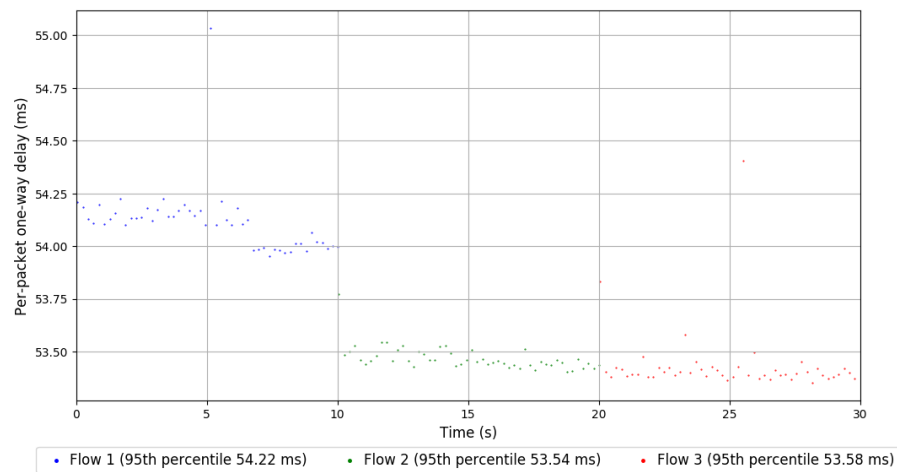
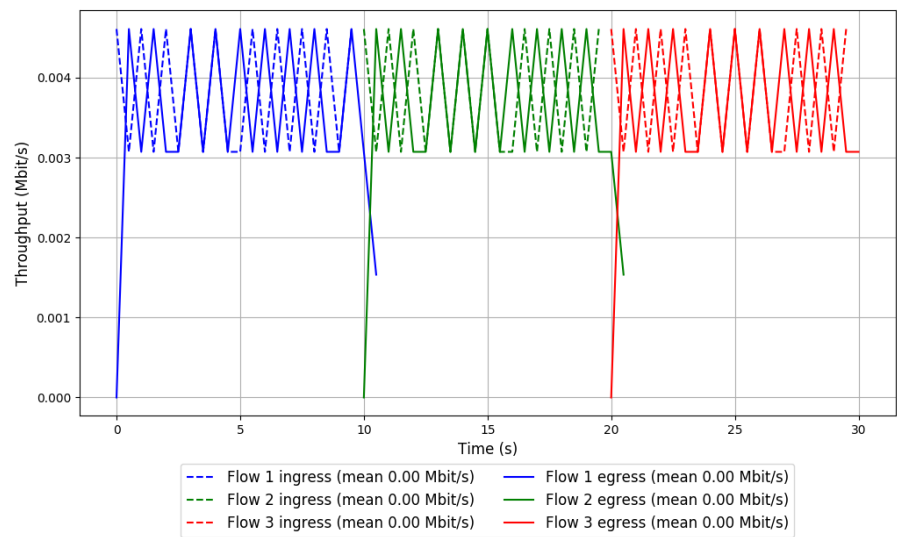


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-02 06:06:52
End at: 2018-07-02 06:07:22
Local clock offset: 0.09 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 54.195 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 54.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.543 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.581 ms
Loss rate: 2.00%

Run 6: Report of FillP-Sheep — Data Link

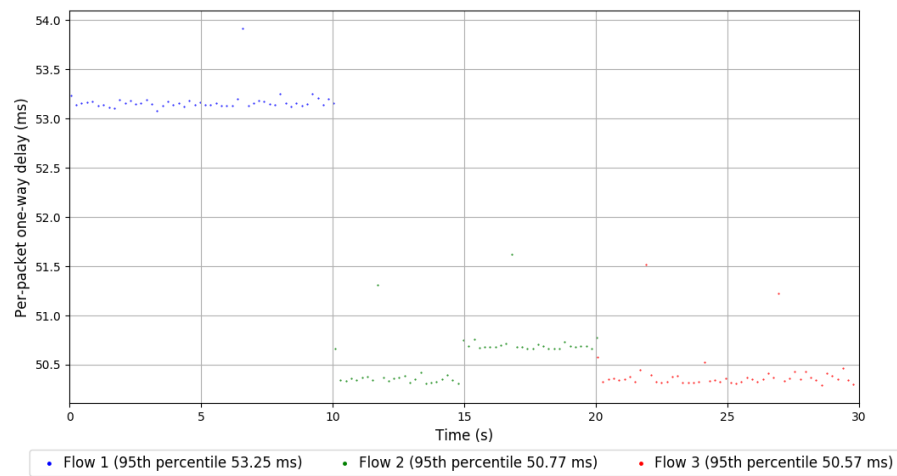
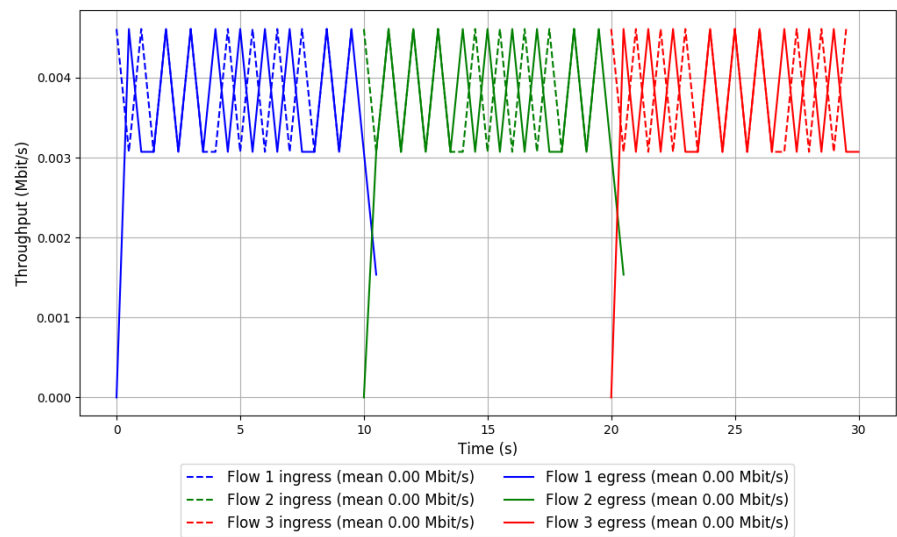


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-02 06:30:53
End at: 2018-07-02 06:31:23
Local clock offset: -0.109 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.191 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 2.00%

Run 7: Report of FillP-Sheep — Data Link

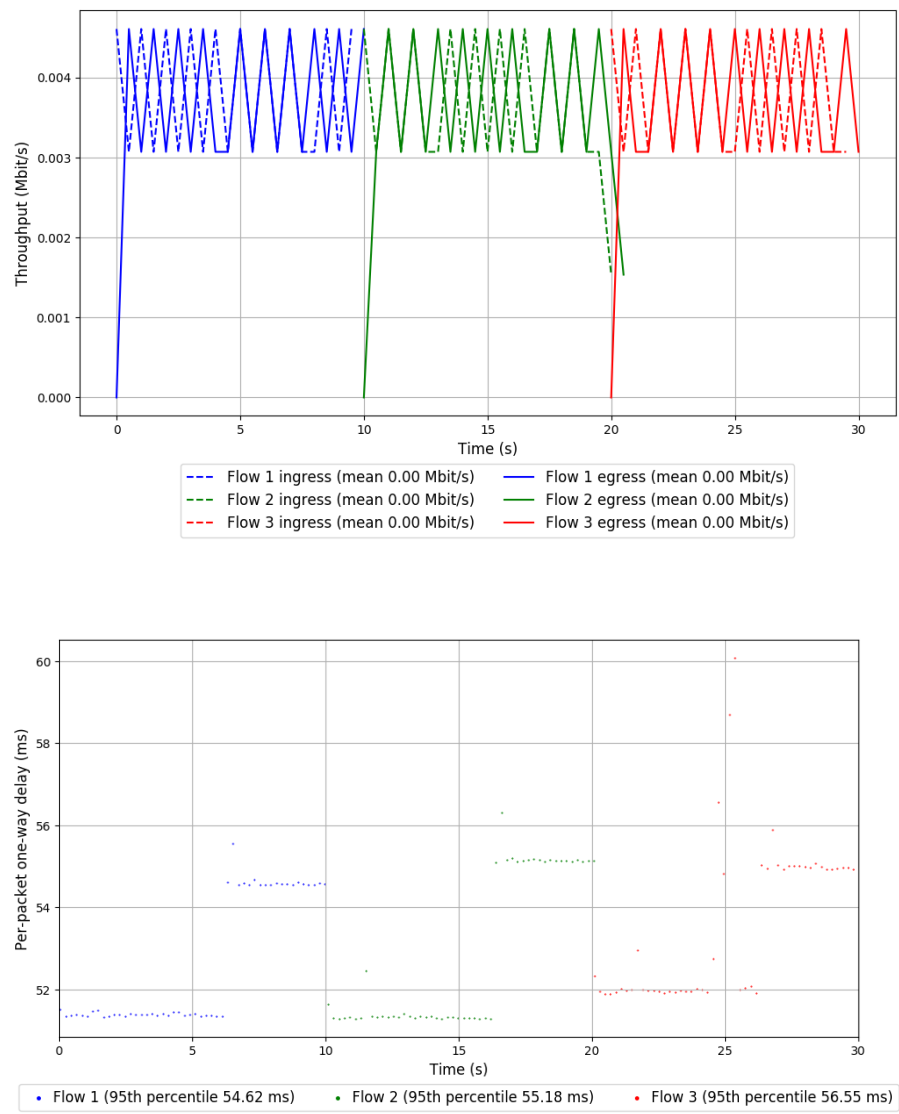


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-02 06:55:02
End at: 2018-07-02 06:55:32
Local clock offset: -0.136 ms
Remote clock offset: -1.422 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 55.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 54.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 55.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 56.551 ms
Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-02 07:18:54

End at: 2018-07-02 07:19:24

Local clock offset: -0.117 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-07-02 09:43:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.387 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.395 ms

Loss rate: 0.00%

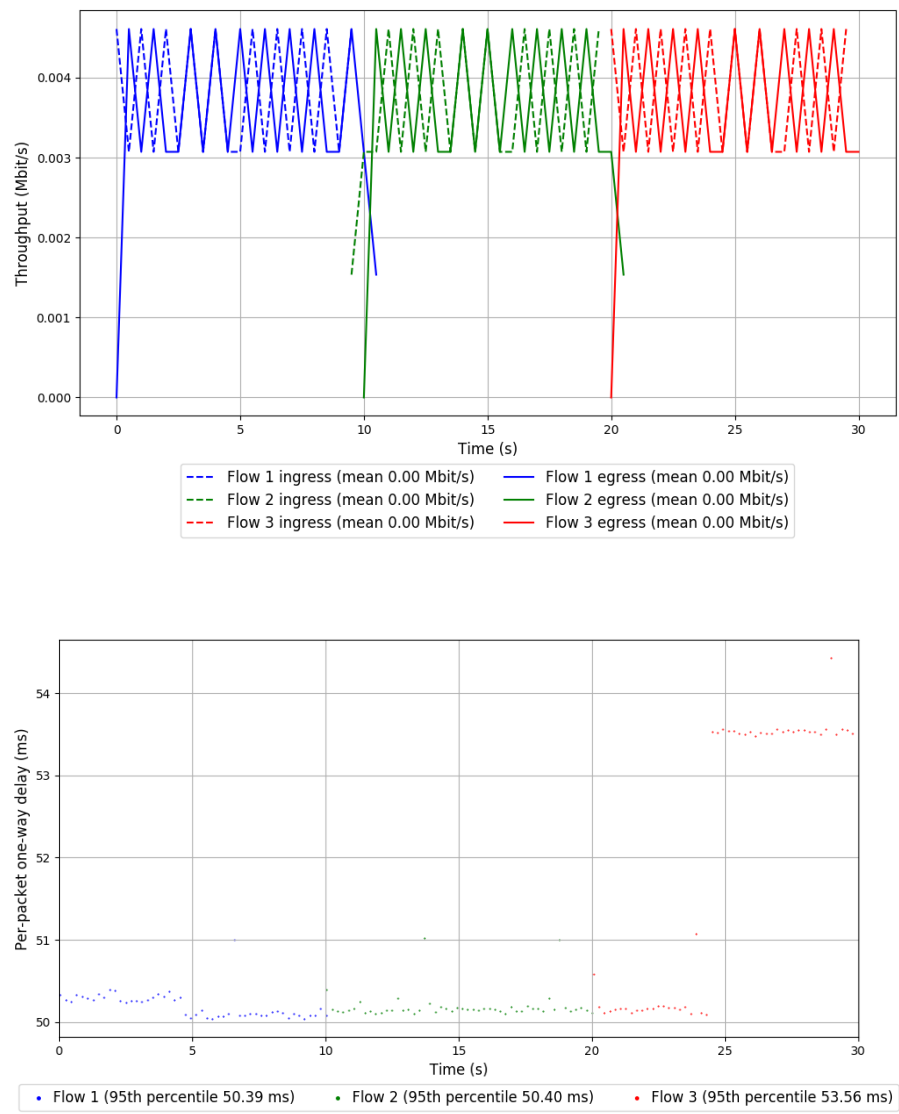
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.560 ms

Loss rate: 2.00%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-02 07:42:48

End at: 2018-07-02 07:43:18

Local clock offset: -0.225 ms

Remote clock offset: 1.19 ms

Below is generated by plot.py at 2018-07-02 09:43:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.081 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.365 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 49.864 ms

Loss rate: 0.00%

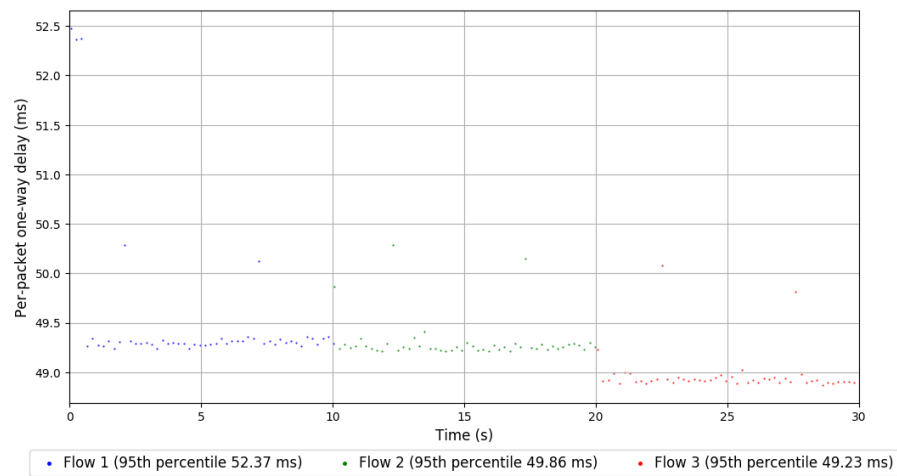
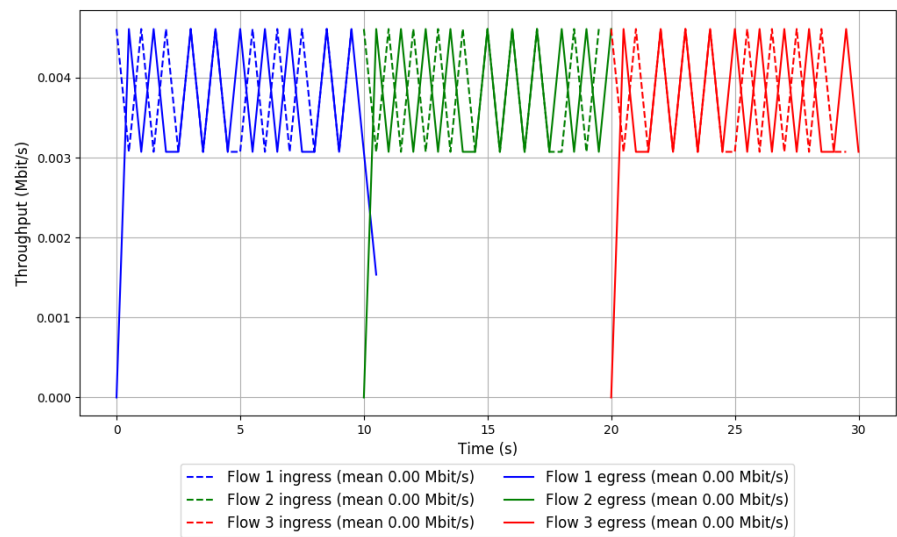
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 49.227 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

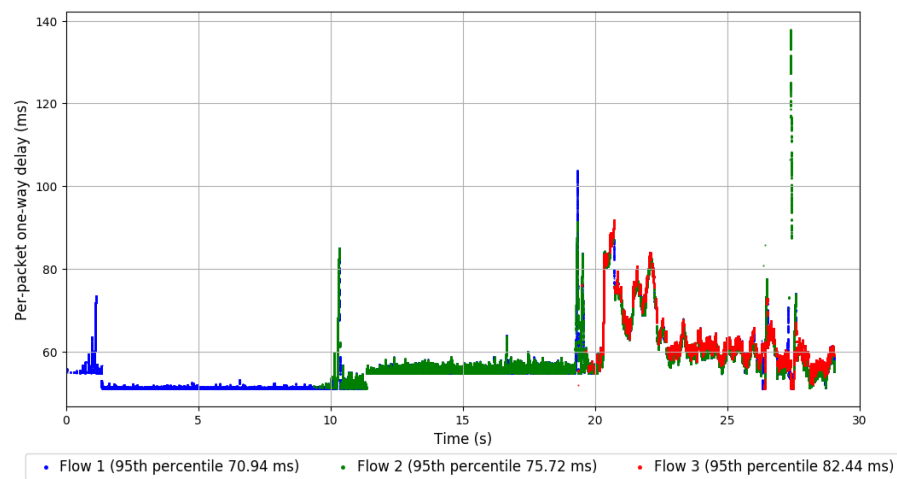
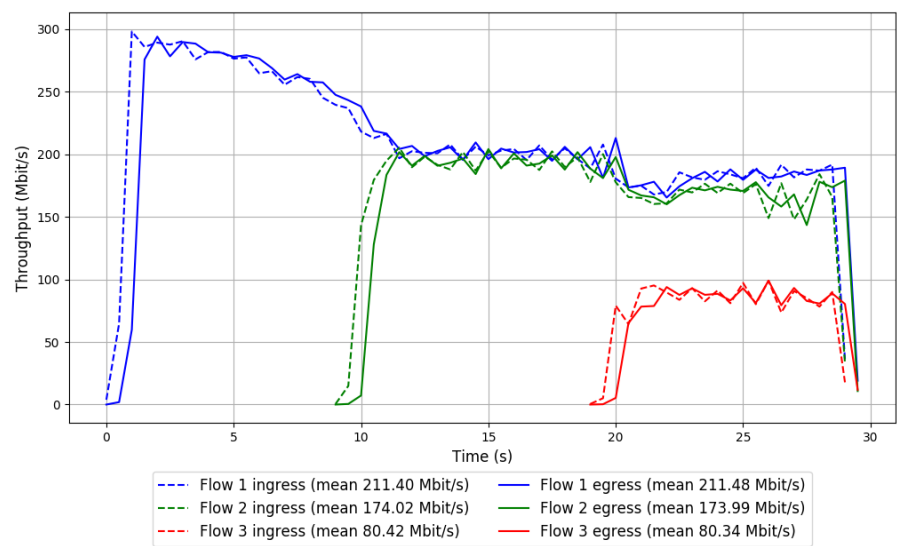


```
Run 1: Statistics of Indigo

Start at: 2018-07-02 04:24:26
End at: 2018-07-02 04:24:56
Local clock offset: 0.048 ms
Remote clock offset: -1.117 ms

# Below is generated by plot.py at 2018-07-02 09:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.42 Mbit/s
95th percentile per-packet one-way delay: 74.703 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 211.48 Mbit/s
95th percentile per-packet one-way delay: 70.940 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 173.99 Mbit/s
95th percentile per-packet one-way delay: 75.721 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 82.441 ms
Loss rate: 1.13%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-02 04:48:28

End at: 2018-07-02 04:48:58

Local clock offset: -0.159 ms

Remote clock offset: 1.312 ms

Below is generated by plot.py at 2018-07-02 09:43:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 385.20 Mbit/s

95th percentile per-packet one-way delay: 70.431 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 209.32 Mbit/s

95th percentile per-packet one-way delay: 69.703 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 206.18 Mbit/s

95th percentile per-packet one-way delay: 70.595 ms

Loss rate: 0.52%

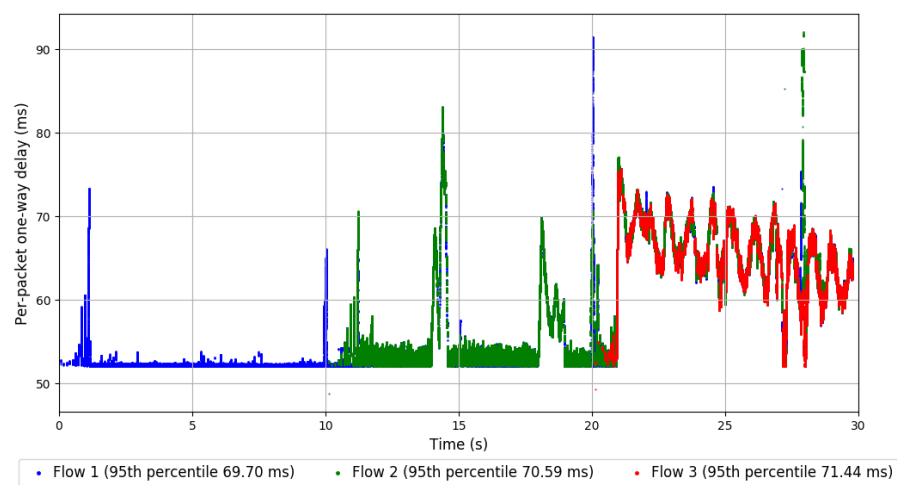
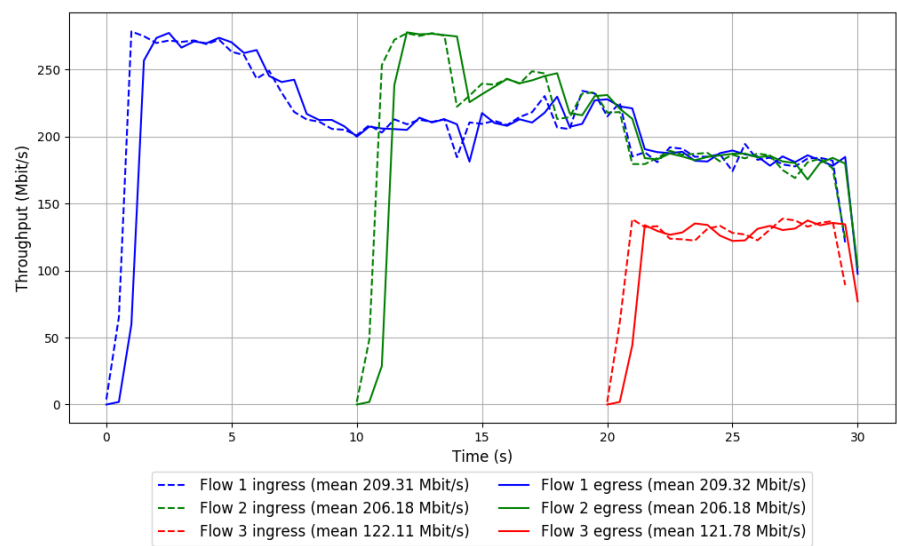
-- Flow 3:

Average throughput: 121.78 Mbit/s

95th percentile per-packet one-way delay: 71.440 ms

Loss rate: 1.31%

Run 2: Report of Indigo — Data Link

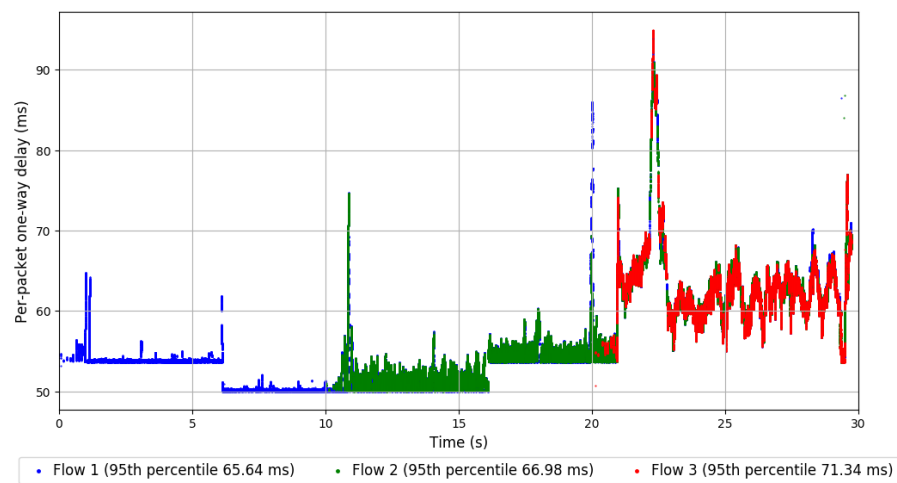
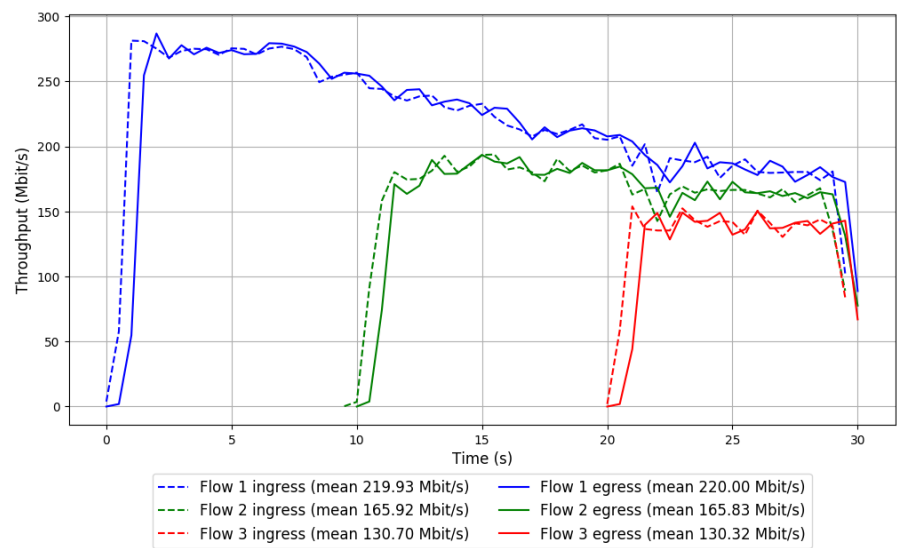


Run 3: Statistics of Indigo

Start at: 2018-07-02 05:12:02
End at: 2018-07-02 05:12:32
Local clock offset: 0.02 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.29 Mbit/s
95th percentile per-packet one-way delay: 66.730 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 220.00 Mbit/s
95th percentile per-packet one-way delay: 65.645 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 165.83 Mbit/s
95th percentile per-packet one-way delay: 66.981 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 130.32 Mbit/s
95th percentile per-packet one-way delay: 71.342 ms
Loss rate: 1.37%

Run 3: Report of Indigo — Data Link

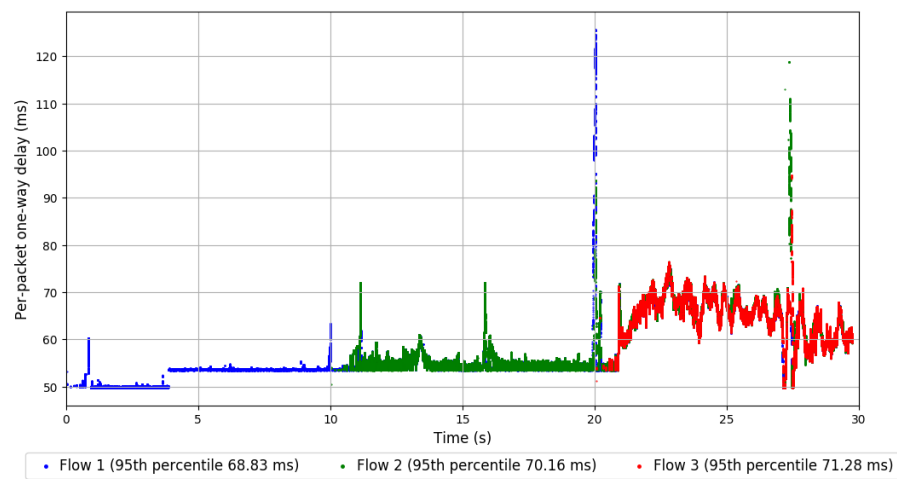
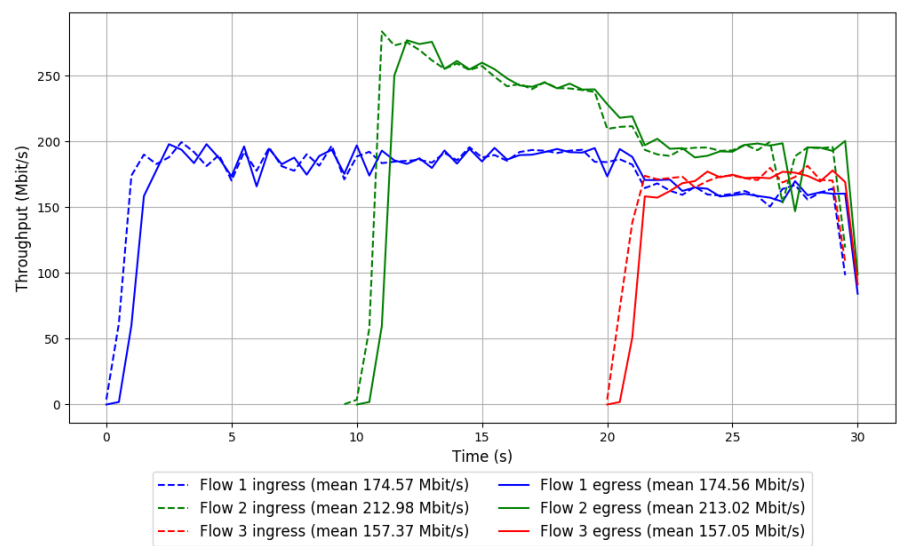


Run 4: Statistics of Indigo

Start at: 2018-07-02 05:35:34
End at: 2018-07-02 05:36:04
Local clock offset: -0.115 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.15 Mbit/s
95th percentile per-packet one-way delay: 70.040 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 174.56 Mbit/s
95th percentile per-packet one-way delay: 68.831 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 213.02 Mbit/s
95th percentile per-packet one-way delay: 70.160 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 157.05 Mbit/s
95th percentile per-packet one-way delay: 71.280 ms
Loss rate: 1.24%

Run 4: Report of Indigo — Data Link

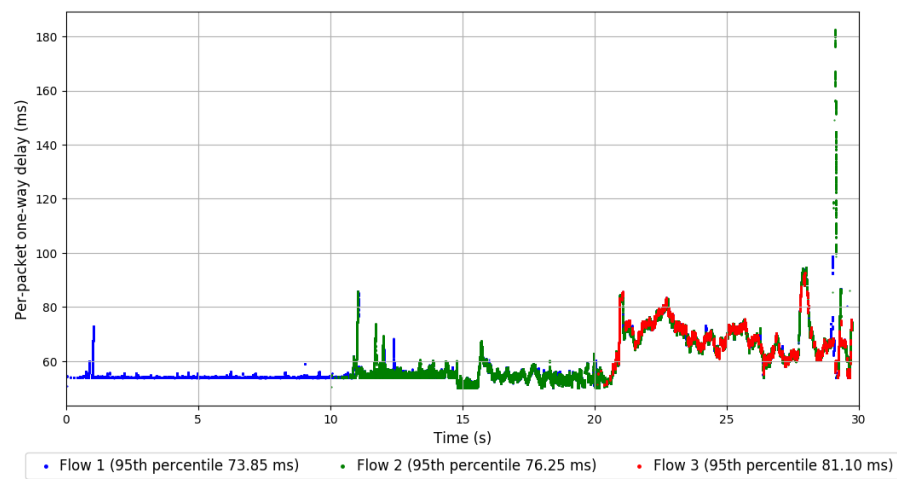
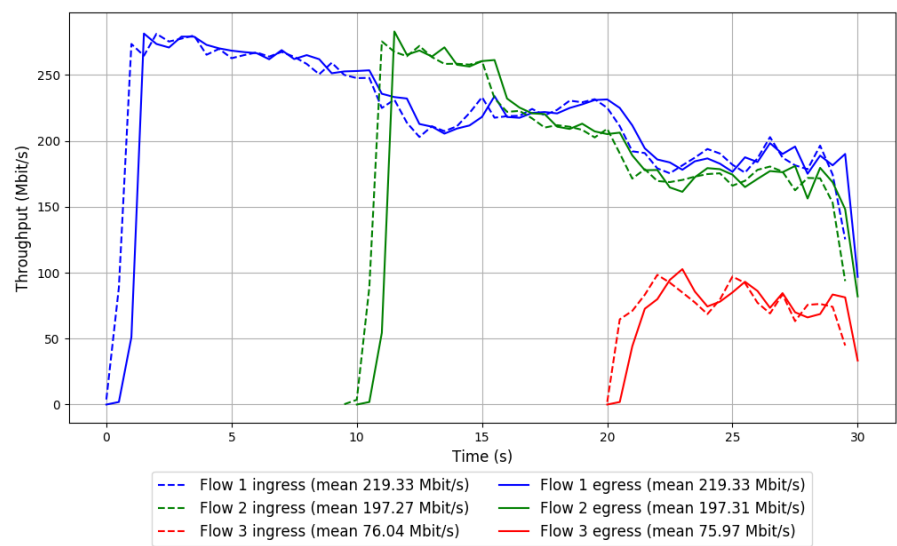


Run 5: Statistics of Indigo

Start at: 2018-07-02 05:59:23
End at: 2018-07-02 05:59:53
Local clock offset: 0.099 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.78 Mbit/s
95th percentile per-packet one-way delay: 75.365 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 219.33 Mbit/s
95th percentile per-packet one-way delay: 73.848 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 197.31 Mbit/s
95th percentile per-packet one-way delay: 76.246 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 81.102 ms
Loss rate: 1.13%

Run 5: Report of Indigo — Data Link

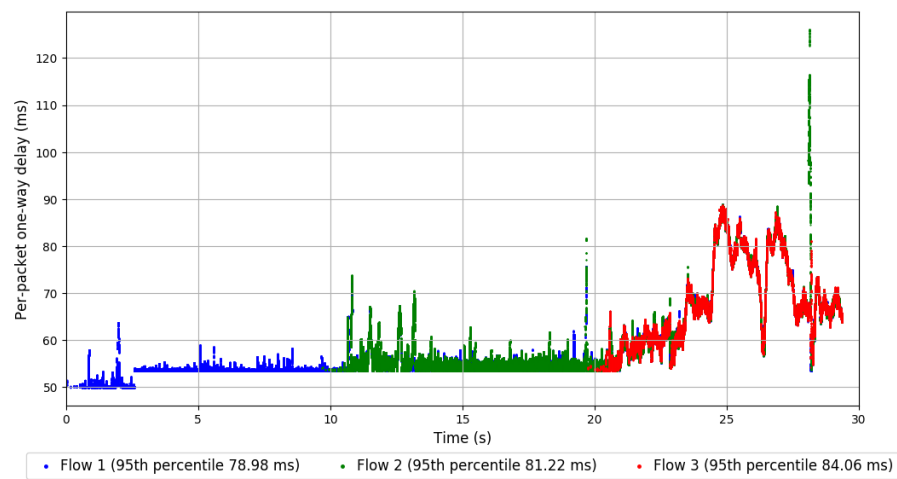
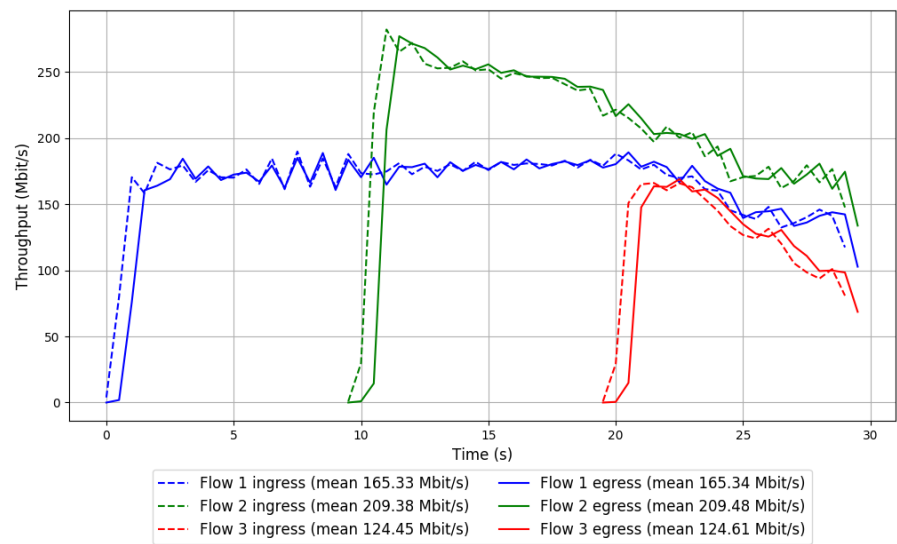


Run 6: Statistics of Indigo

Start at: 2018-07-02 06:23:25
End at: 2018-07-02 06:23:55
Local clock offset: -0.142 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 346.68 Mbit/s
95th percentile per-packet one-way delay: 81.158 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 165.34 Mbit/s
95th percentile per-packet one-way delay: 78.982 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 209.48 Mbit/s
95th percentile per-packet one-way delay: 81.220 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 124.61 Mbit/s
95th percentile per-packet one-way delay: 84.055 ms
Loss rate: 0.95%

Run 6: Report of Indigo — Data Link

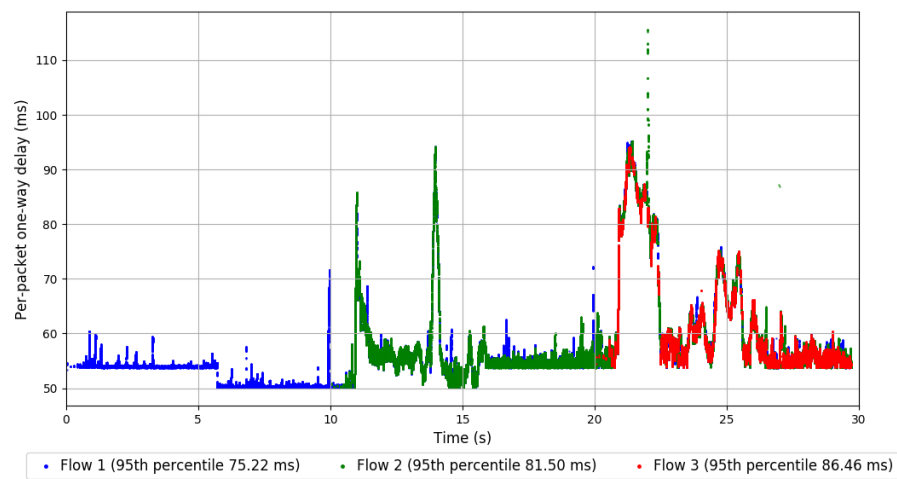
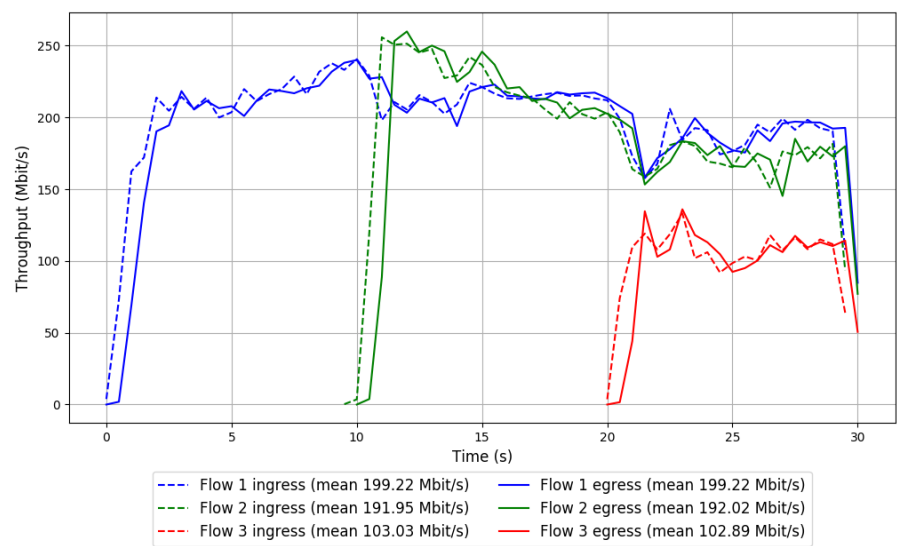


Run 7: Statistics of Indigo

Start at: 2018-07-02 06:47:32
End at: 2018-07-02 06:48:02
Local clock offset: 0.039 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.01 Mbit/s
95th percentile per-packet one-way delay: 80.582 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 199.22 Mbit/s
95th percentile per-packet one-way delay: 75.217 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 192.02 Mbit/s
95th percentile per-packet one-way delay: 81.498 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 102.89 Mbit/s
95th percentile per-packet one-way delay: 86.458 ms
Loss rate: 1.29%

Run 7: Report of Indigo — Data Link

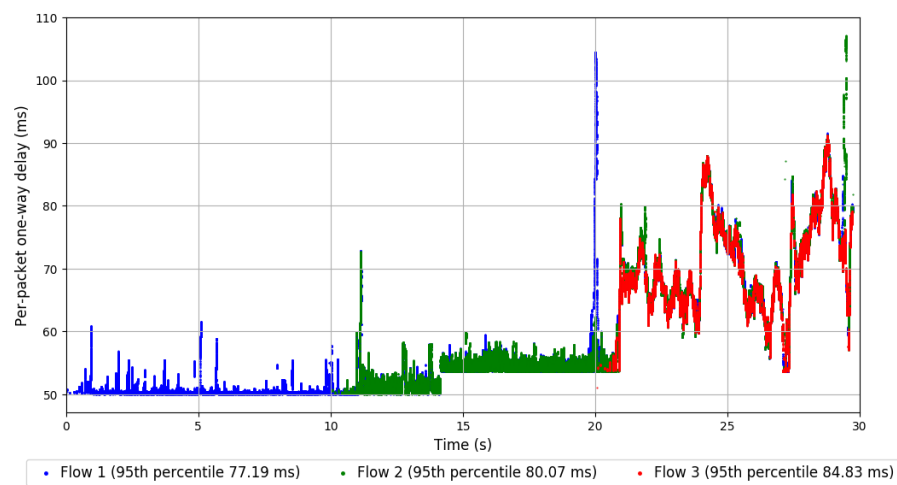
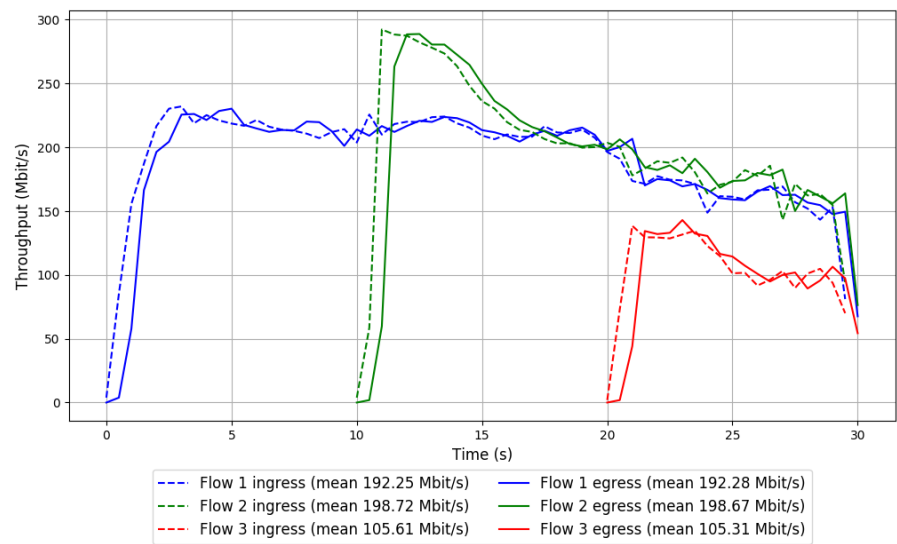


Run 8: Statistics of Indigo

Start at: 2018-07-02 07:11:24
End at: 2018-07-02 07:11:54
Local clock offset: 0.067 ms
Remote clock offset: -0.037 ms

```
# Below is generated by plot.py at 2018-07-02 09:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 358.13 Mbit/s
95th percentile per-packet one-way delay: 79.478 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 192.28 Mbit/s
95th percentile per-packet one-way delay: 77.194 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 198.67 Mbit/s
95th percentile per-packet one-way delay: 80.067 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 105.31 Mbit/s
95th percentile per-packet one-way delay: 84.830 ms
Loss rate: 1.35%
```

Run 8: Report of Indigo — Data Link

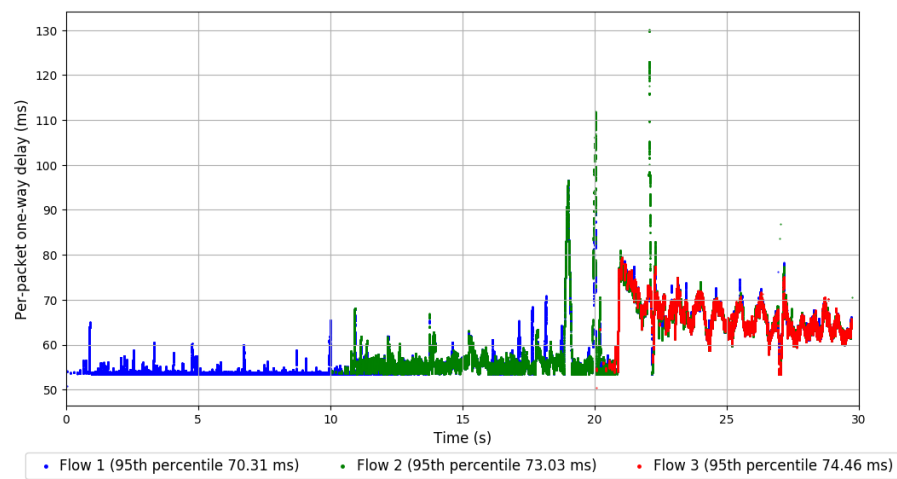
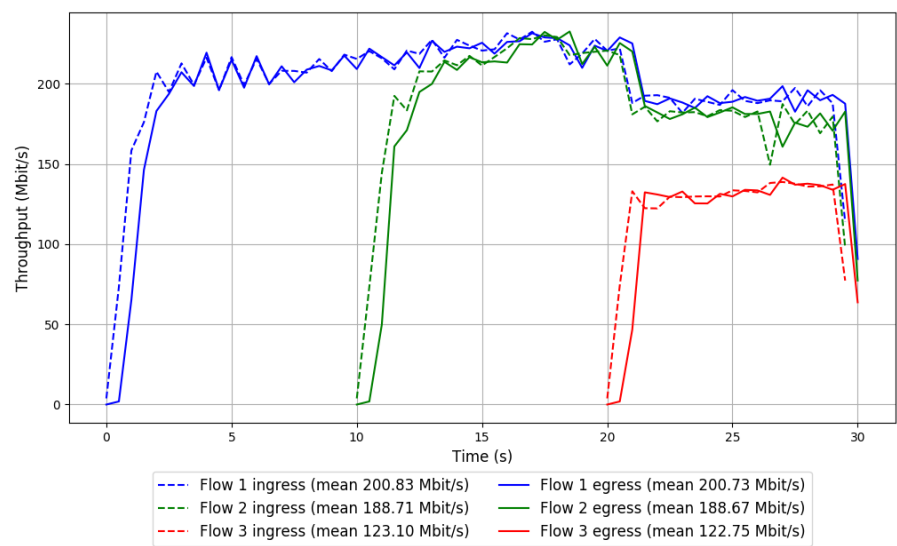


Run 9: Statistics of Indigo

Start at: 2018-07-02 07:35:26
End at: 2018-07-02 07:35:56
Local clock offset: -0.179 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.59 Mbit/s
95th percentile per-packet one-way delay: 71.877 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 200.73 Mbit/s
95th percentile per-packet one-way delay: 70.310 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 188.67 Mbit/s
95th percentile per-packet one-way delay: 73.034 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 122.75 Mbit/s
95th percentile per-packet one-way delay: 74.463 ms
Loss rate: 1.32%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-02 07:59:28

End at: 2018-07-02 07:59:58

Local clock offset: -0.108 ms

Remote clock offset: 1.278 ms

Below is generated by plot.py at 2018-07-02 09:43:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.81 Mbit/s

95th percentile per-packet one-way delay: 71.957 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 213.70 Mbit/s

95th percentile per-packet one-way delay: 70.499 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 196.67 Mbit/s

95th percentile per-packet one-way delay: 72.722 ms

Loss rate: 0.49%

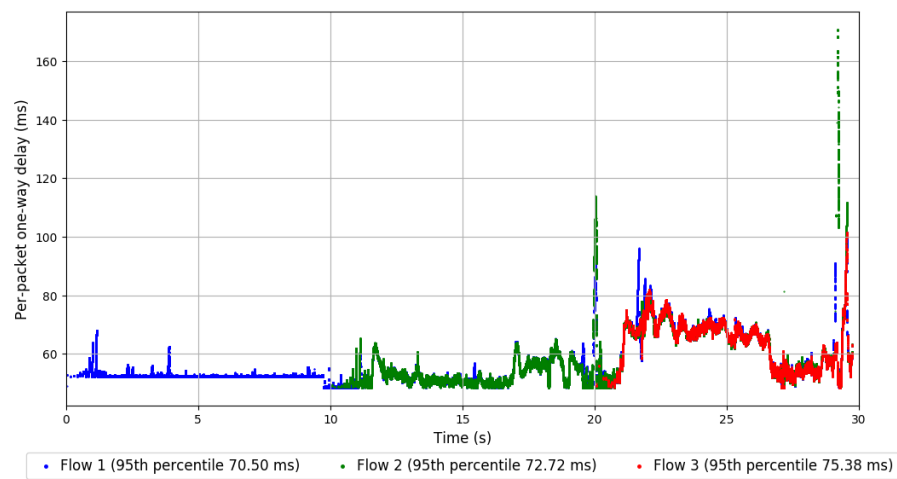
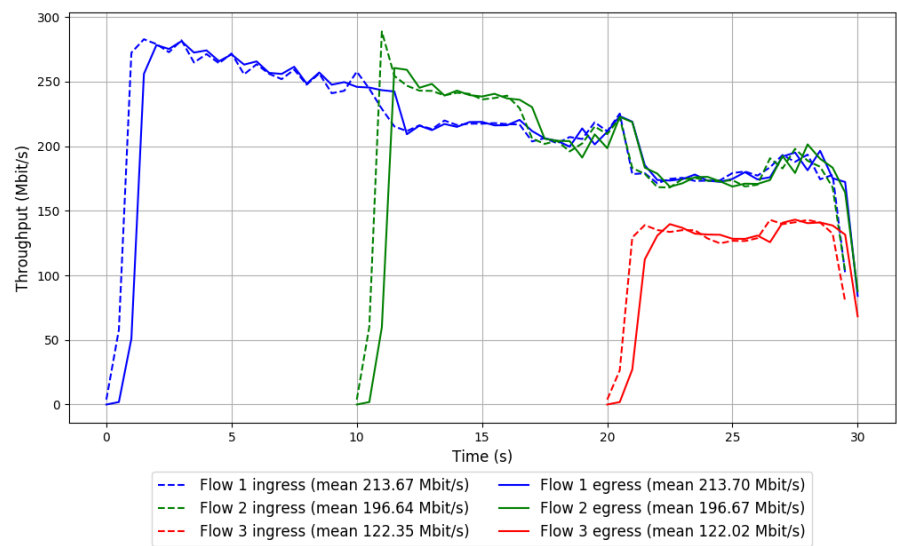
-- Flow 3:

Average throughput: 122.02 Mbit/s

95th percentile per-packet one-way delay: 75.378 ms

Loss rate: 1.32%

Run 10: Report of Indigo — Data Link

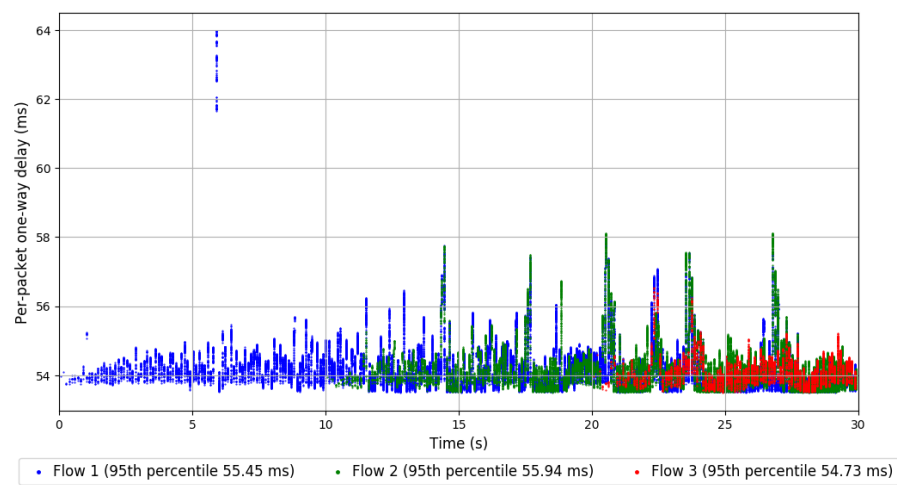
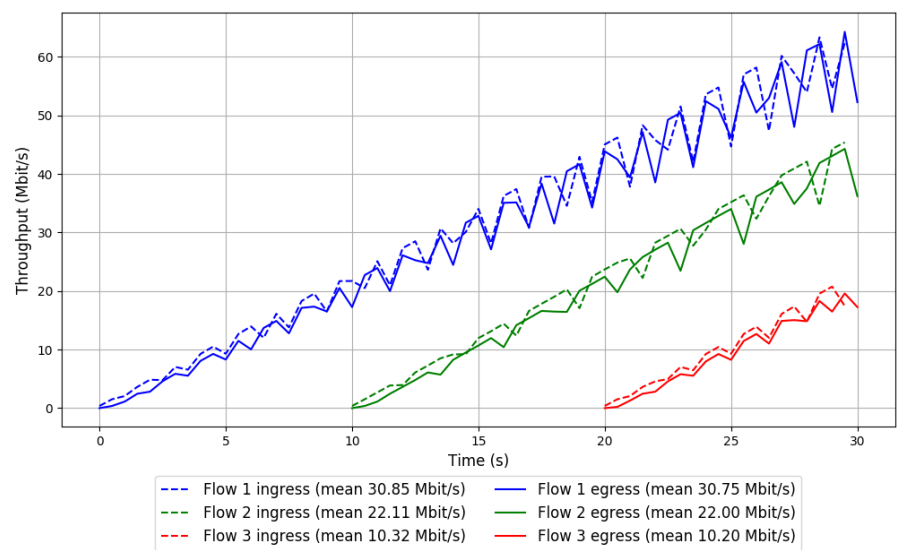


Run 1: Statistics of LEDBAT

Start at: 2018-07-02 04:05:55
End at: 2018-07-02 04:06:25
Local clock offset: -0.257 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 55.515 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 55.450 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 55.938 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 54.731 ms
Loss rate: 2.17%

Run 1: Report of LEDBAT — Data Link

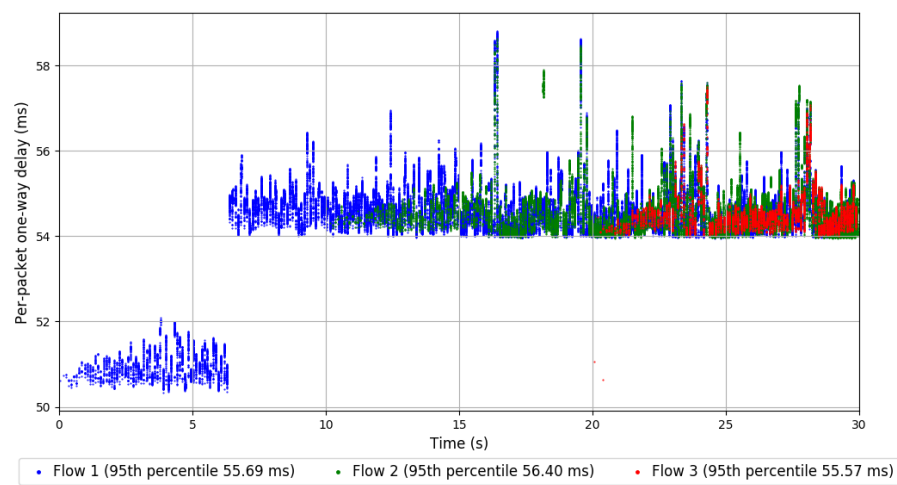
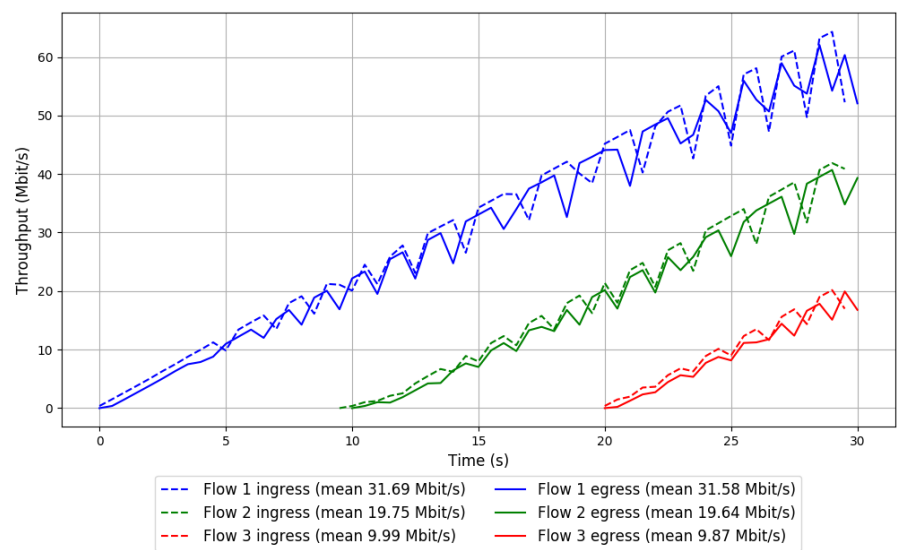


Run 2: Statistics of LEDBAT

Start at: 2018-07-02 04:29:32
End at: 2018-07-02 04:30:02
Local clock offset: 0.111 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 55.809 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 55.685 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 56.399 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 55.569 ms
Loss rate: 2.18%

Run 2: Report of LEDBAT — Data Link

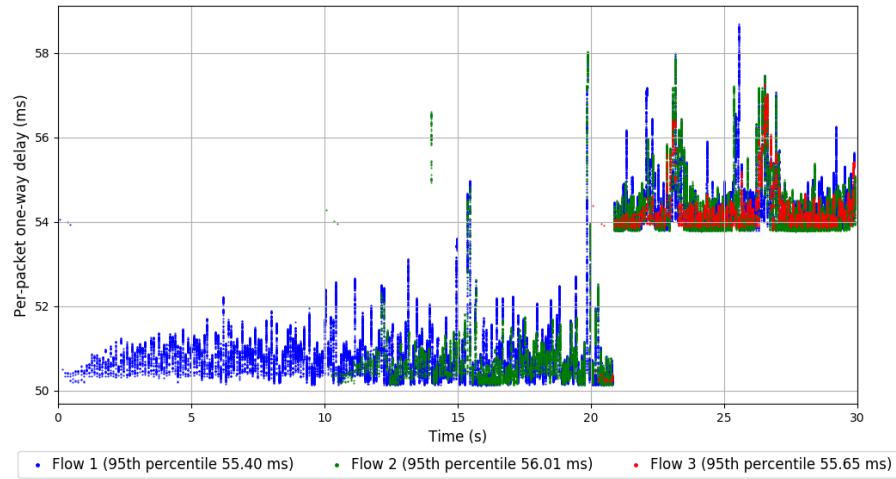
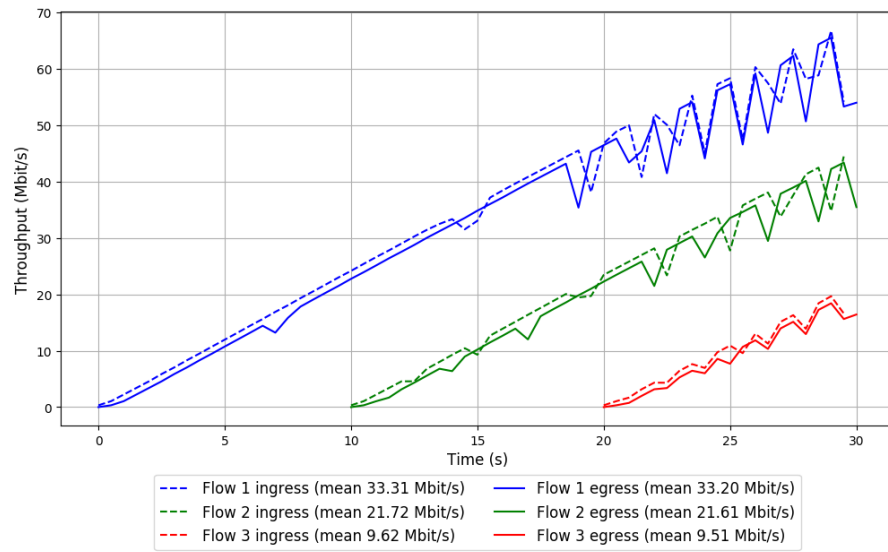


Run 3: Statistics of LEDBAT

Start at: 2018-07-02 04:53:37
End at: 2018-07-02 04:54:07
Local clock offset: 0.012 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.64 Mbit/s
95th percentile per-packet one-way delay: 55.642 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 55.400 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 56.011 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 55.646 ms
Loss rate: 2.22%

Run 3: Report of LEDBAT — Data Link

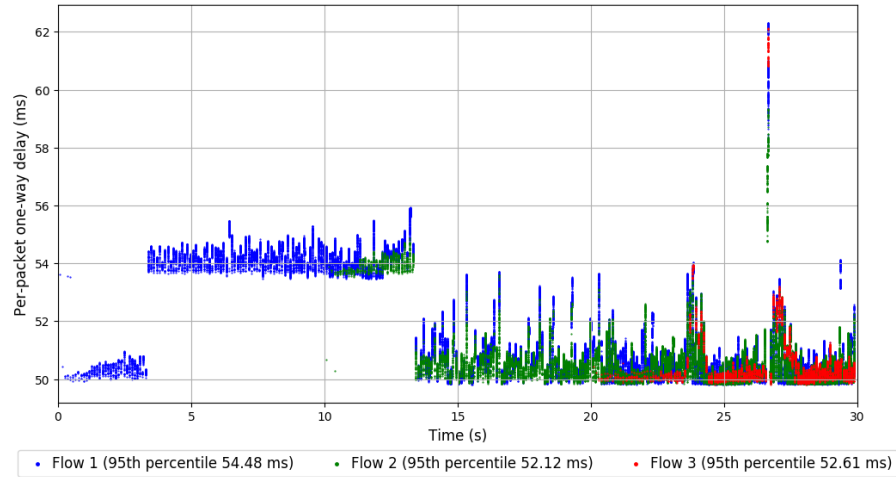
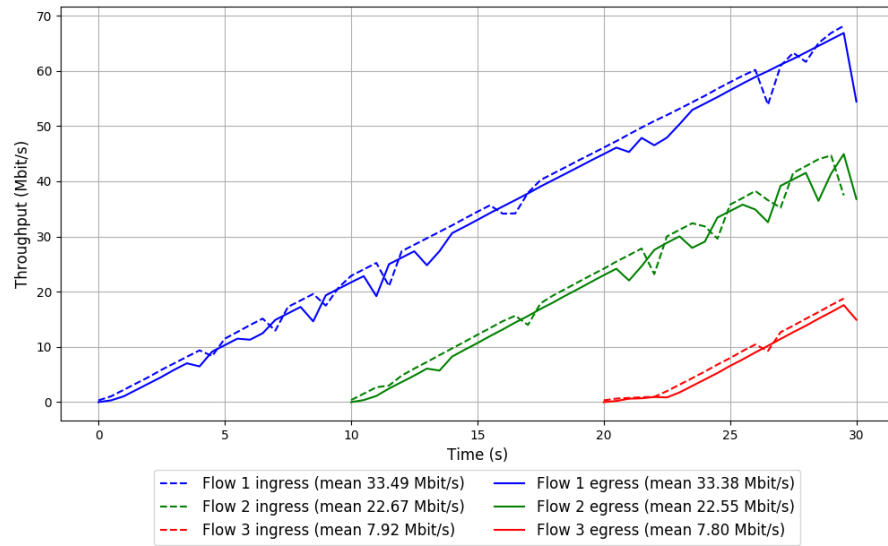


Run 4: Statistics of LEDBAT

Start at: 2018-07-02 05:17:05
End at: 2018-07-02 05:17:35
Local clock offset: -0.283 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 54.344 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 54.475 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 52.123 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 52.610 ms
Loss rate: 2.46%

Run 4: Report of LEDBAT — Data Link

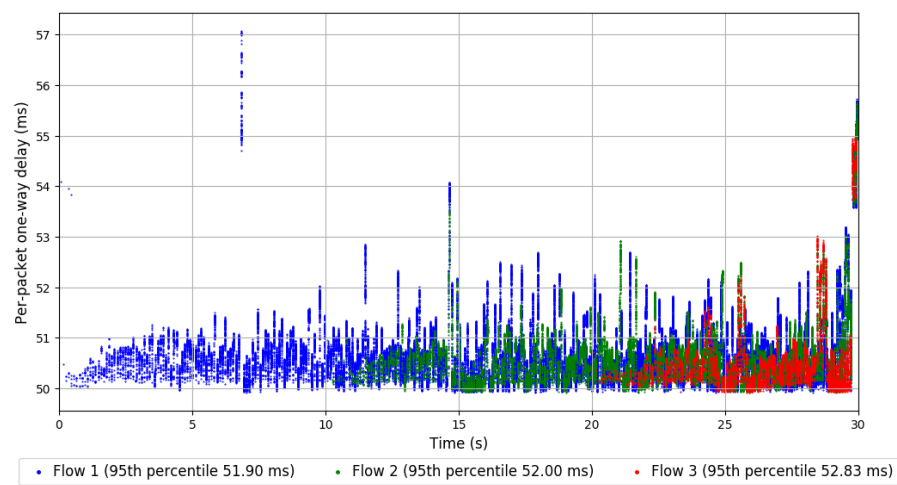
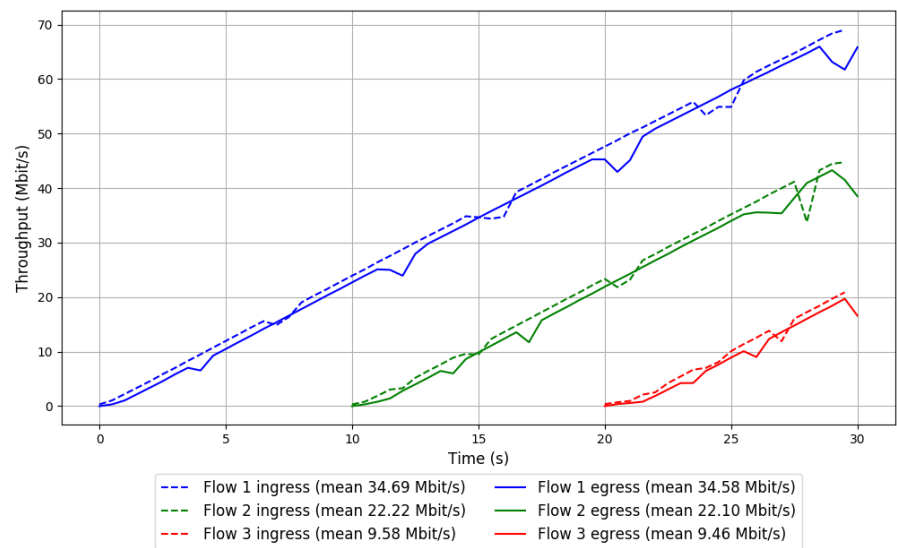


Run 5: Statistics of LEDBAT

Start at: 2018-07-02 05:40:38
End at: 2018-07-02 05:41:08
Local clock offset: -0.122 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 51.967 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 51.902 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 51.997 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 52.834 ms
Loss rate: 2.24%

Run 5: Report of LEDBAT — Data Link

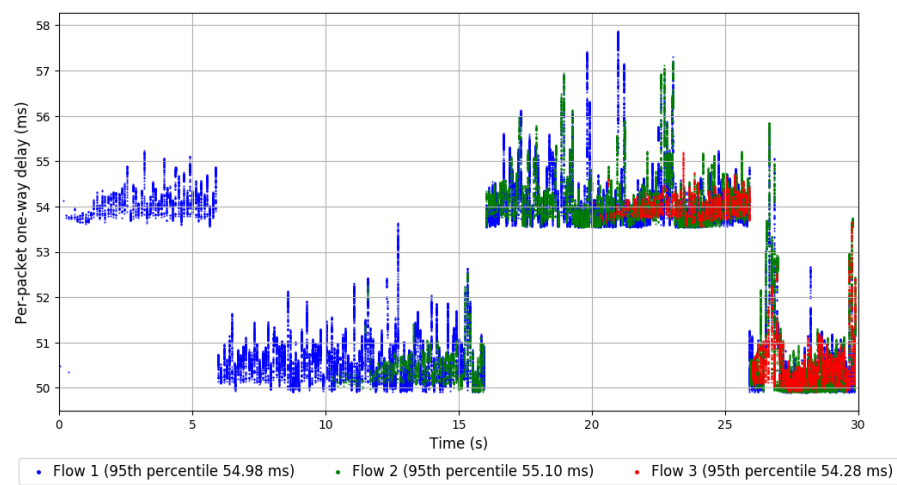
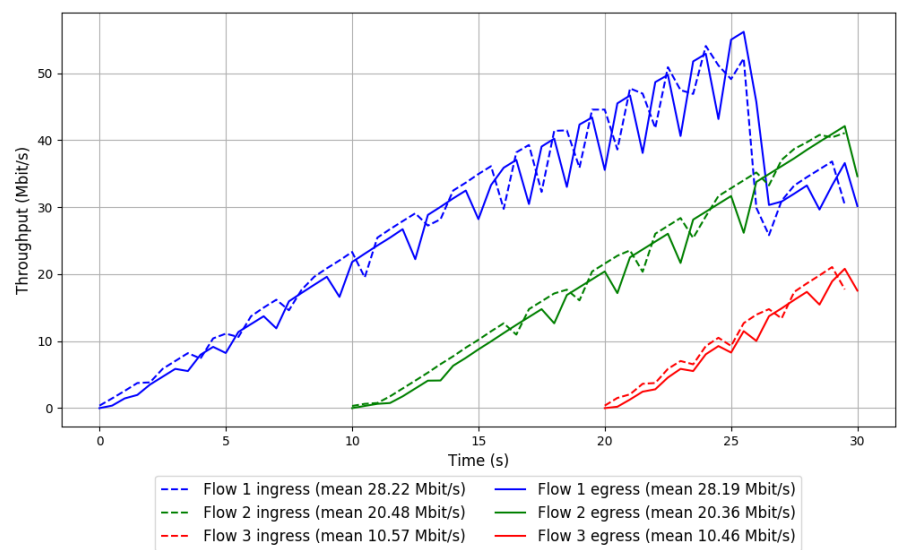


Run 6: Statistics of LEDBAT

Start at: 2018-07-02 06:04:32
End at: 2018-07-02 06:05:02
Local clock offset: -0.117 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 54.984 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 54.980 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 55.105 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 54.277 ms
Loss rate: 2.15%

Run 6: Report of LEDBAT — Data Link

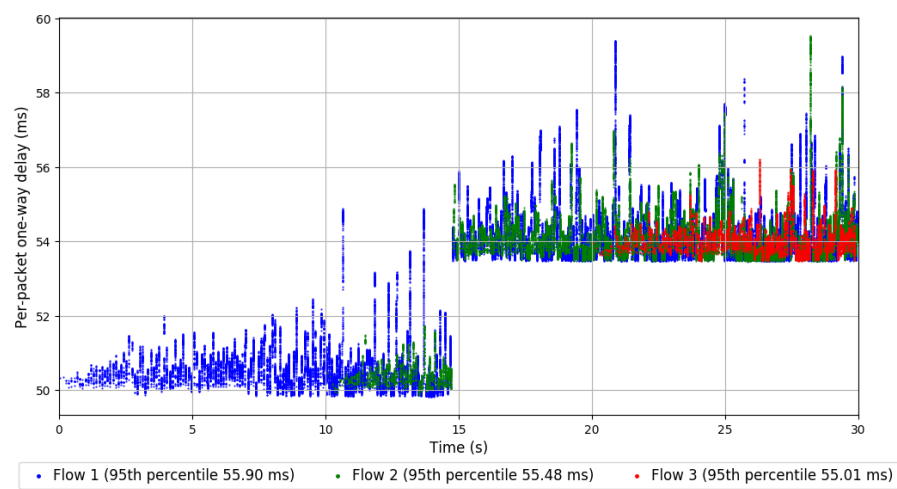
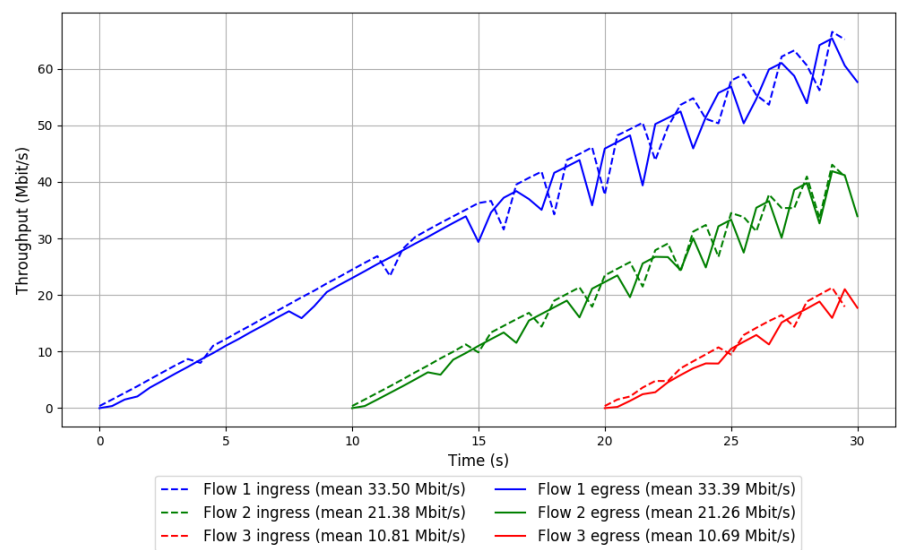


Run 7: Statistics of LEDBAT

Start at: 2018-07-02 06:28:34
End at: 2018-07-02 06:29:04
Local clock offset: -0.129 ms
Remote clock offset: -0.094 ms

```
# Below is generated by plot.py at 2018-07-02 09:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 55.687 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 55.902 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 55.483 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 55.013 ms
Loss rate: 2.13%
```

Run 7: Report of LEDBAT — Data Link

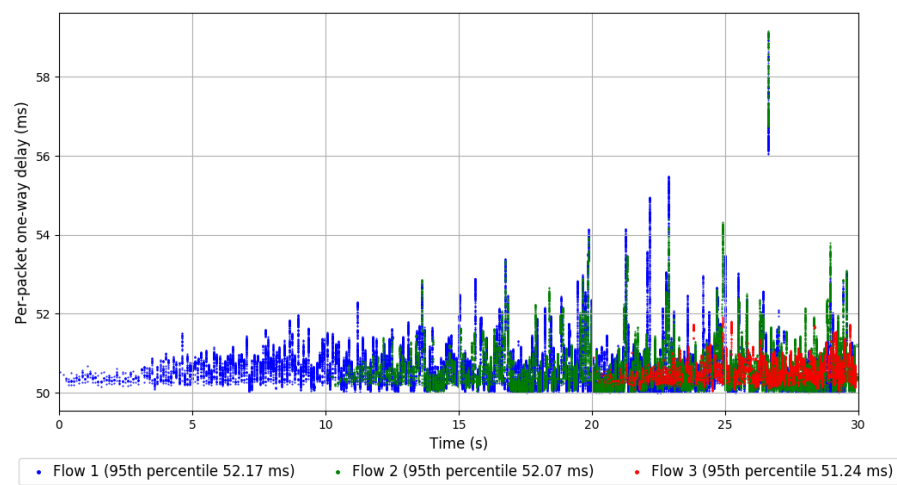
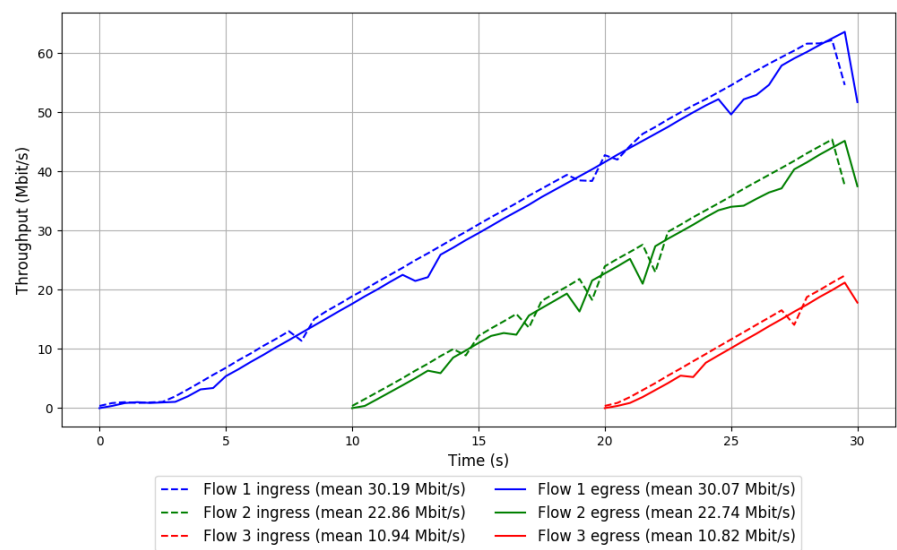


Run 8: Statistics of LEDBAT

Start at: 2018-07-02 06:52:42
End at: 2018-07-02 06:53:12
Local clock offset: 0.025 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 52.076 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 52.170 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 52.073 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 51.245 ms
Loss rate: 2.11%

Run 8: Report of LEDBAT — Data Link

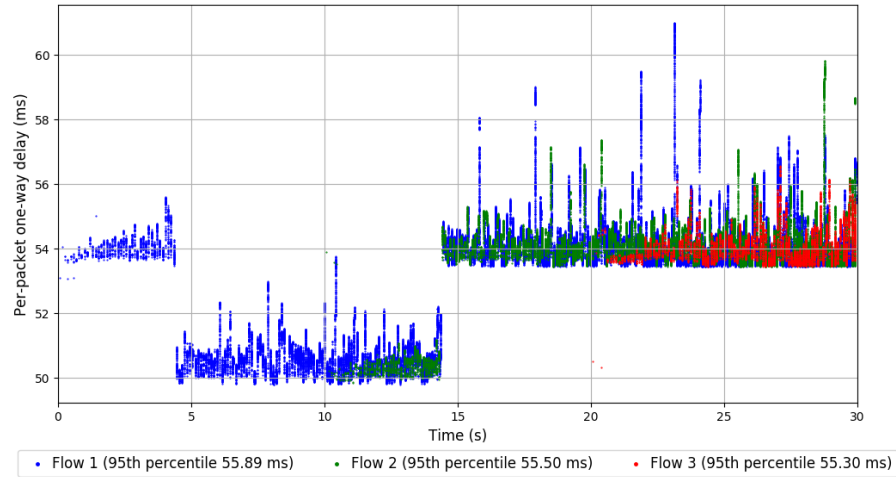
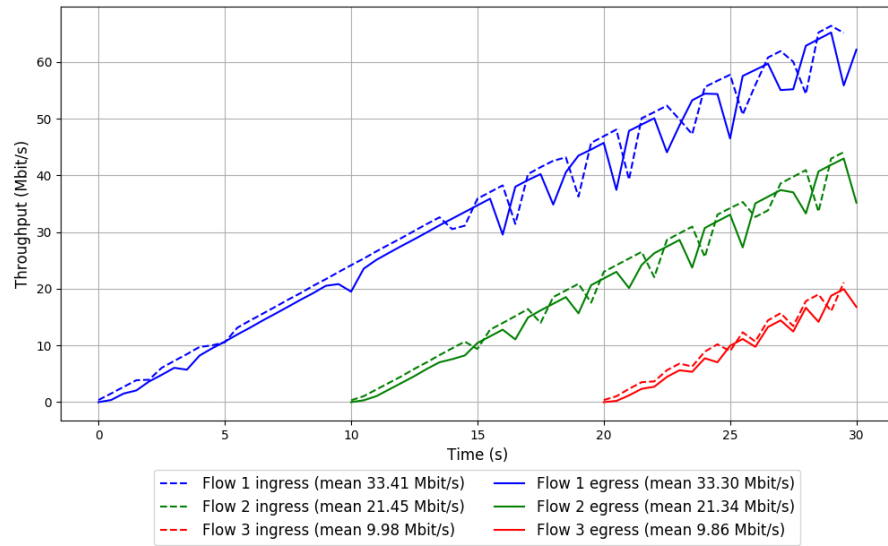


Run 9: Statistics of LEDBAT

Start at: 2018-07-02 07:16:34
End at: 2018-07-02 07:17:04
Local clock offset: -0.102 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-02 09:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 55.727 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 55.887 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 55.500 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 9.86 Mbit/s
95th percentile per-packet one-way delay: 55.304 ms
Loss rate: 2.18%

Run 9: Report of LEDBAT — Data Link

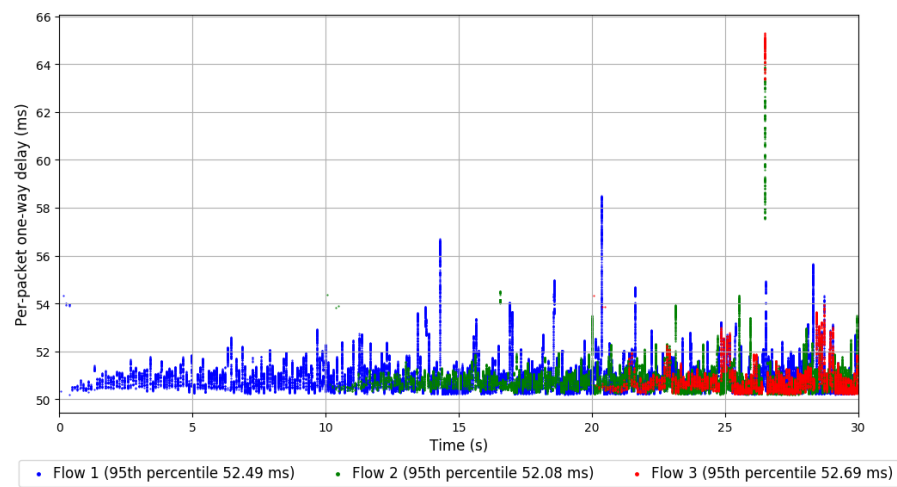
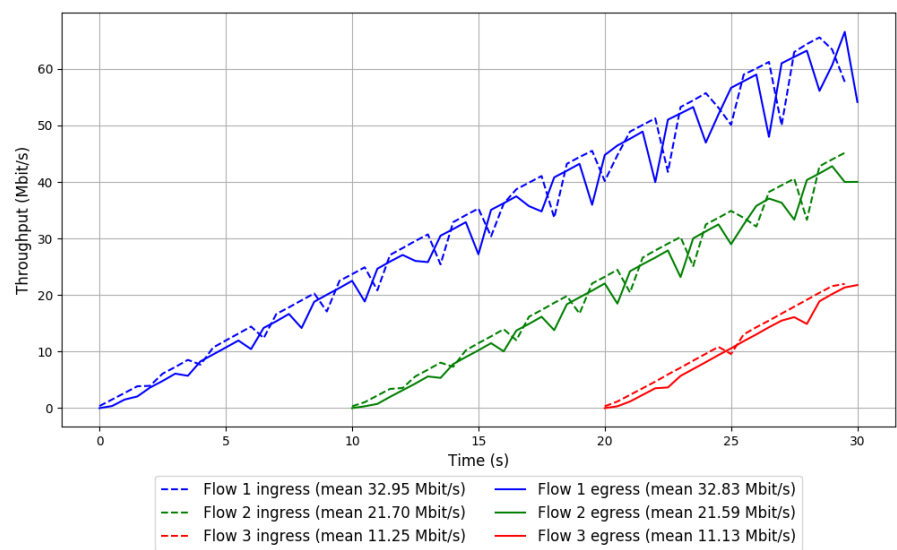


Run 10: Statistics of LEDBAT

Start at: 2018-07-02 07:40:28
End at: 2018-07-02 07:40:58
Local clock offset: -0.094 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-07-02 09:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.79 Mbit/s
95th percentile per-packet one-way delay: 52.403 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 52.494 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 52.081 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 52.693 ms
Loss rate: 2.06%

Run 10: Report of LEDBAT — Data Link

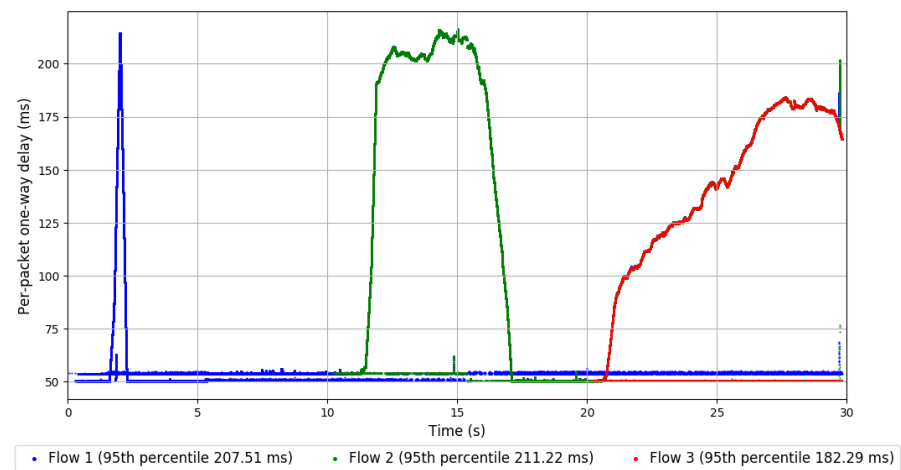
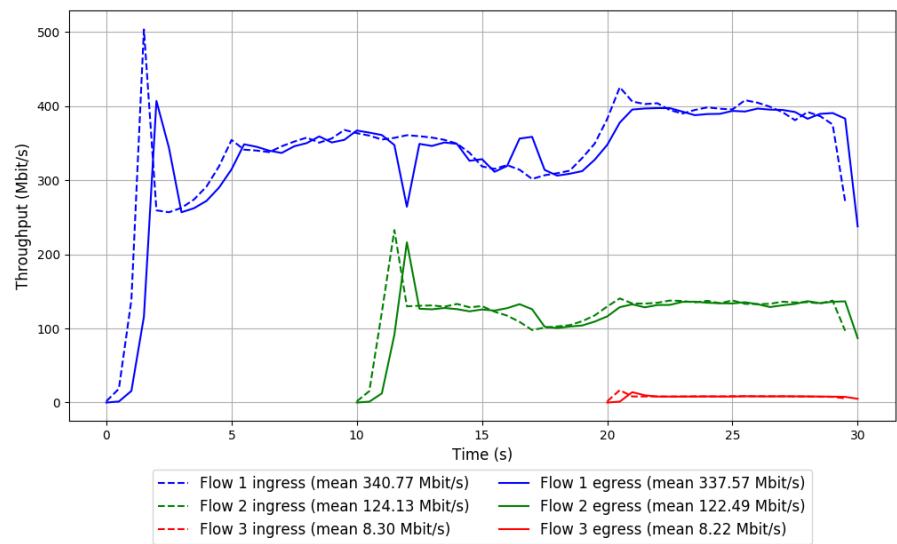


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-02 04:09:23
End at: 2018-07-02 04:09:53
Local clock offset: -0.133 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2018-07-02 09:43:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.50 Mbit/s
95th percentile per-packet one-way delay: 208.074 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 337.57 Mbit/s
95th percentile per-packet one-way delay: 207.511 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 122.49 Mbit/s
95th percentile per-packet one-way delay: 211.225 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 182.288 ms
Loss rate: 2.02%
```

Run 1: Report of PCC-Allegro — Data Link

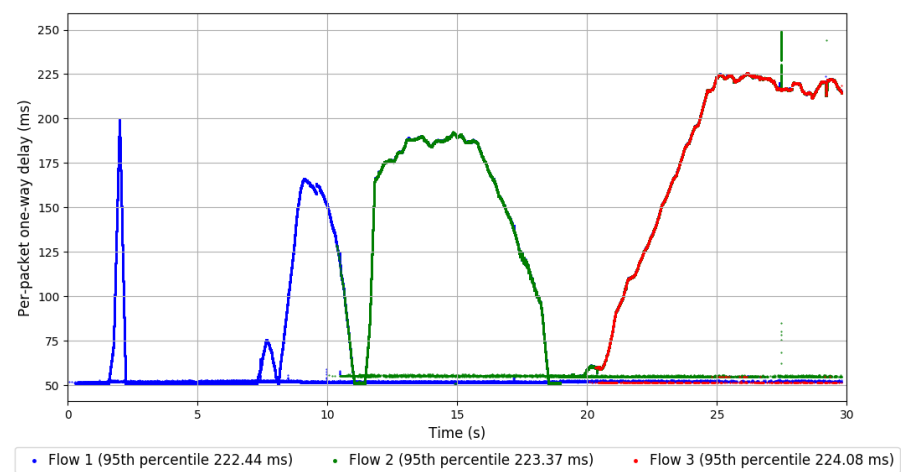
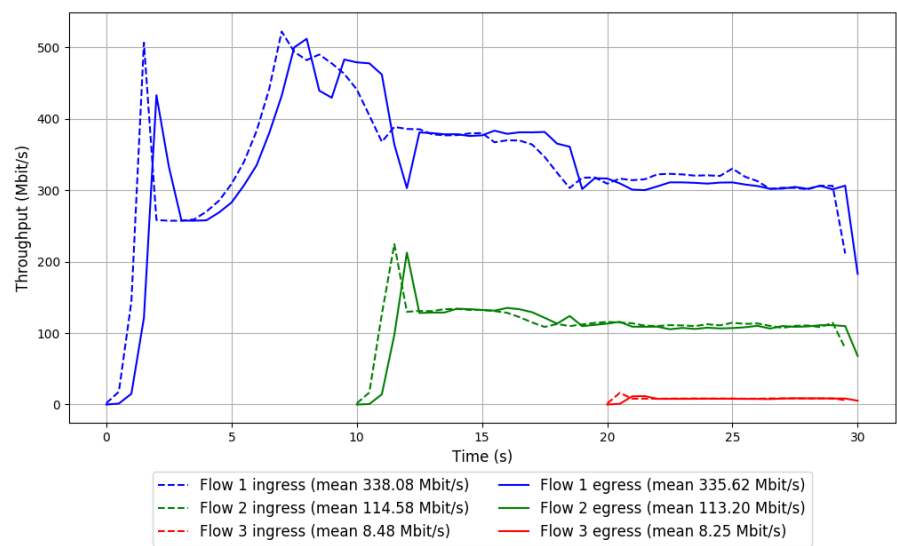


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-02 04:32:59
End at: 2018-07-02 04:33:29
Local clock offset: -0.121 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2018-07-02 09:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.37 Mbit/s
95th percentile per-packet one-way delay: 222.642 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 335.62 Mbit/s
95th percentile per-packet one-way delay: 222.438 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 113.20 Mbit/s
95th percentile per-packet one-way delay: 223.370 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 224.081 ms
Loss rate: 3.68%

Run 2: Report of PCC-Allegro — Data Link

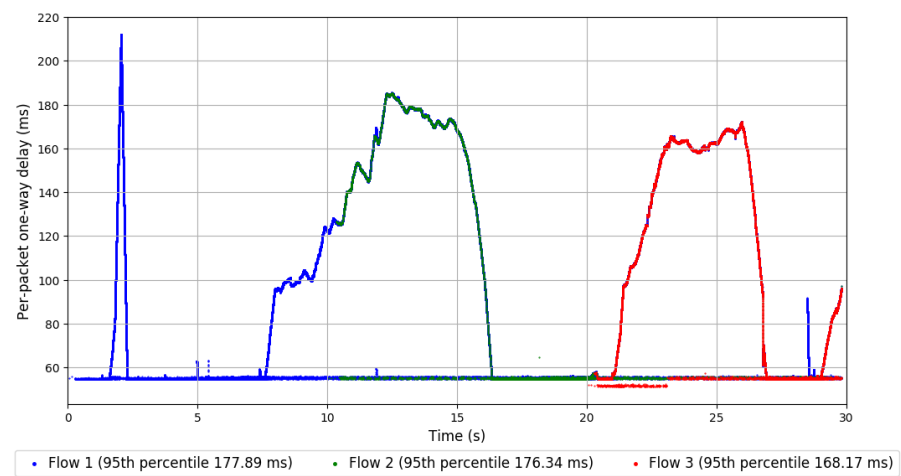
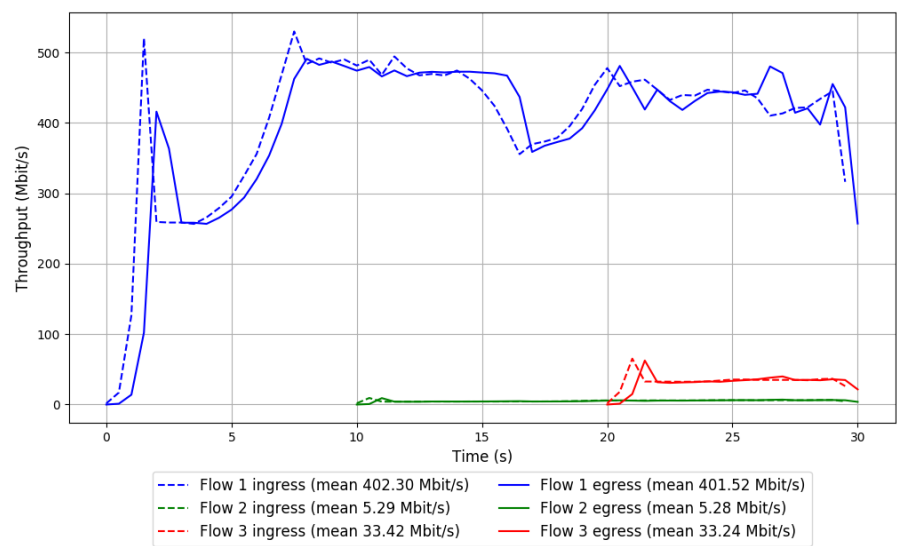


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-02 04:57:05
End at: 2018-07-02 04:57:35
Local clock offset: -0.041 ms
Remote clock offset: -1.315 ms

Below is generated by plot.py at 2018-07-02 09:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.90 Mbit/s
95th percentile per-packet one-way delay: 177.826 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 401.52 Mbit/s
95th percentile per-packet one-way delay: 177.888 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 176.344 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 168.172 ms
Loss rate: 1.61%

Run 3: Report of PCC-Allegro — Data Link

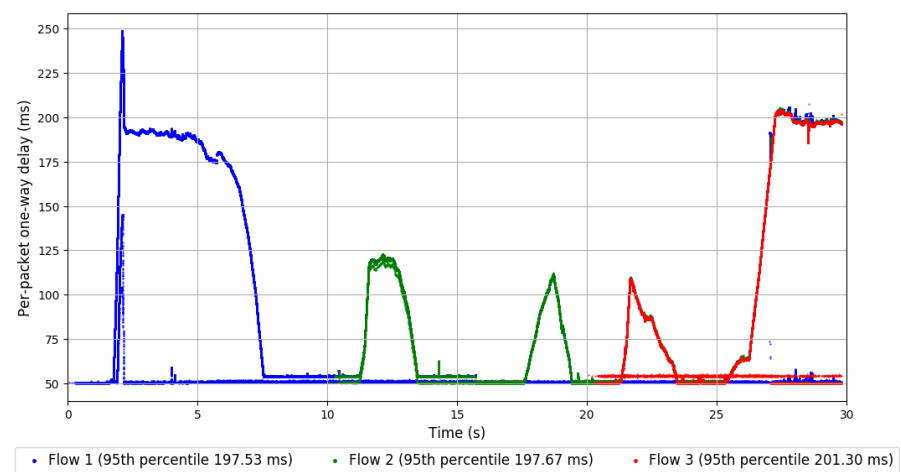
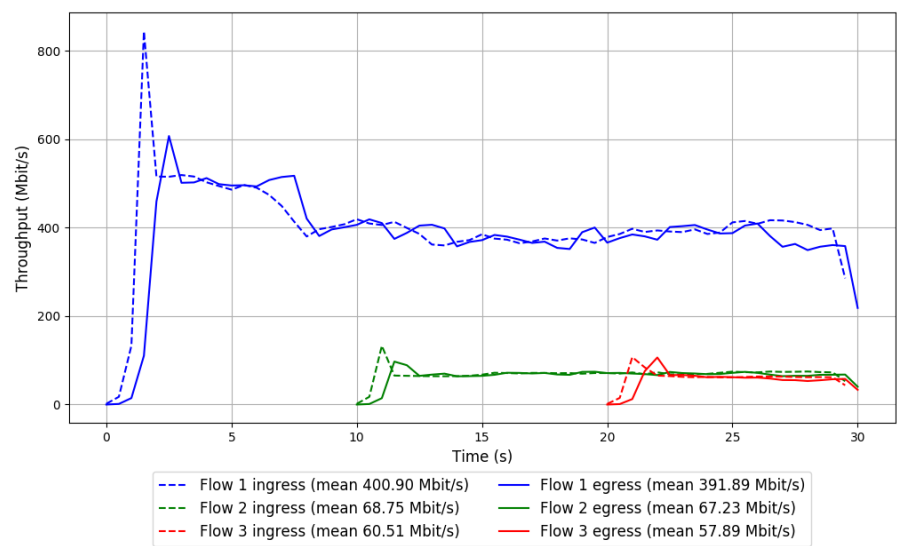


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-02 05:20:32
End at: 2018-07-02 05:21:02
Local clock offset: -0.068 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-02 09:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 455.38 Mbit/s
95th percentile per-packet one-way delay: 197.625 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 391.89 Mbit/s
95th percentile per-packet one-way delay: 197.527 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 197.669 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 201.296 ms
Loss rate: 5.33%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-02 05:44:06

End at: 2018-07-02 05:44:36

Local clock offset: -0.092 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-02 09:43:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.82 Mbit/s

95th percentile per-packet one-way delay: 105.397 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 300.55 Mbit/s

95th percentile per-packet one-way delay: 105.199 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 147.13 Mbit/s

95th percentile per-packet one-way delay: 118.390 ms

Loss rate: 0.68%

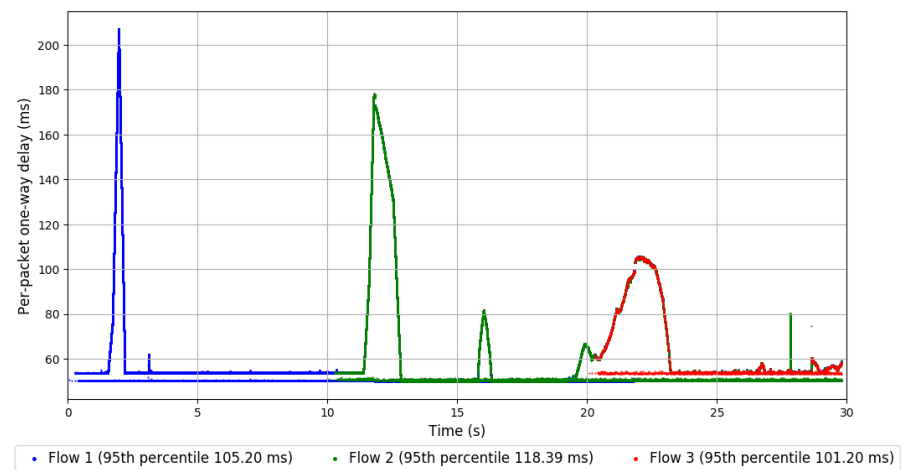
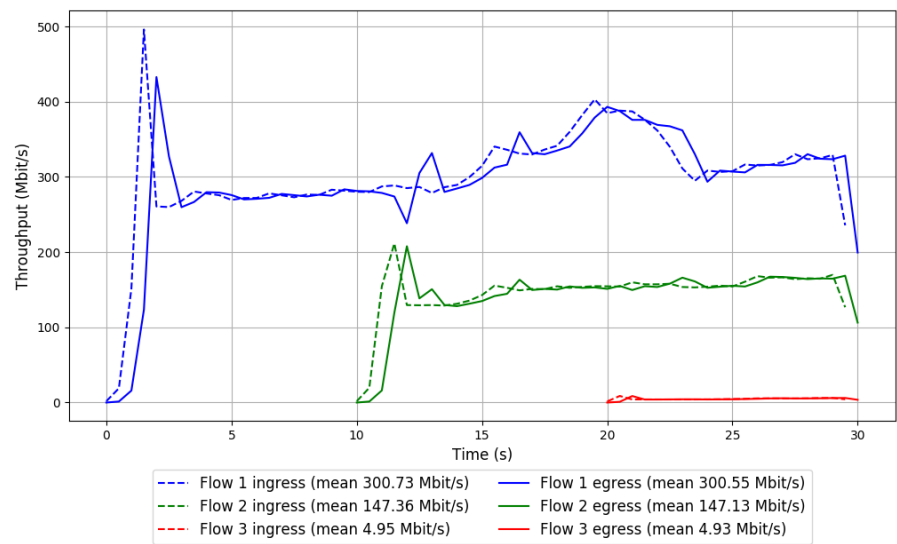
-- Flow 3:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 101.198 ms

Loss rate: 1.40%

Run 5: Report of PCC-Allegro — Data Link

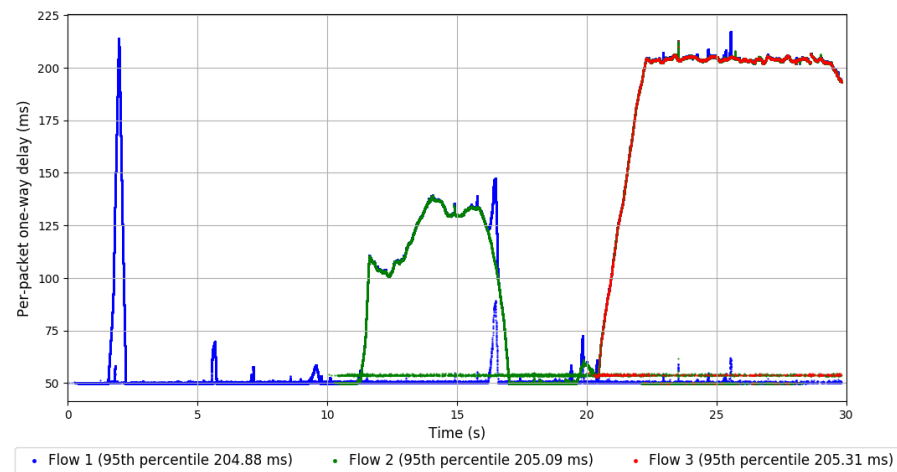
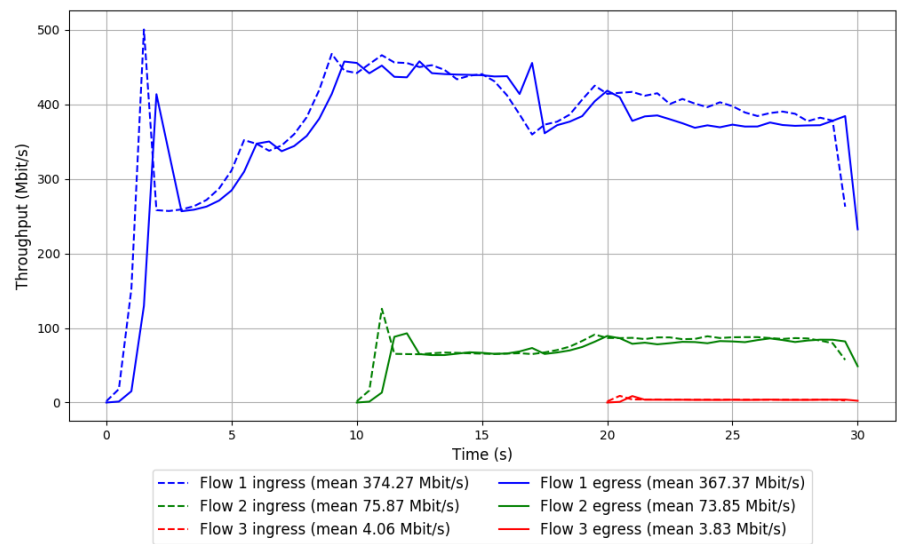


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-02 06:08:00
End at: 2018-07-02 06:08:30
Local clock offset: -0.1 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-02 09:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.62 Mbit/s
95th percentile per-packet one-way delay: 204.926 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 367.37 Mbit/s
95th percentile per-packet one-way delay: 204.882 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 73.85 Mbit/s
95th percentile per-packet one-way delay: 205.085 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 205.306 ms
Loss rate: 6.74%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-02 06:32:02

End at: 2018-07-02 06:32:32

Local clock offset: 0.063 ms

Remote clock offset: 1.17 ms

Below is generated by plot.py at 2018-07-02 09:44:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 463.44 Mbit/s

95th percentile per-packet one-way delay: 212.350 ms

Loss rate: 4.63%

-- Flow 1:

Average throughput: 441.07 Mbit/s

95th percentile per-packet one-way delay: 213.049 ms

Loss rate: 4.65%

-- Flow 2:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 202.708 ms

Loss rate: 3.92%

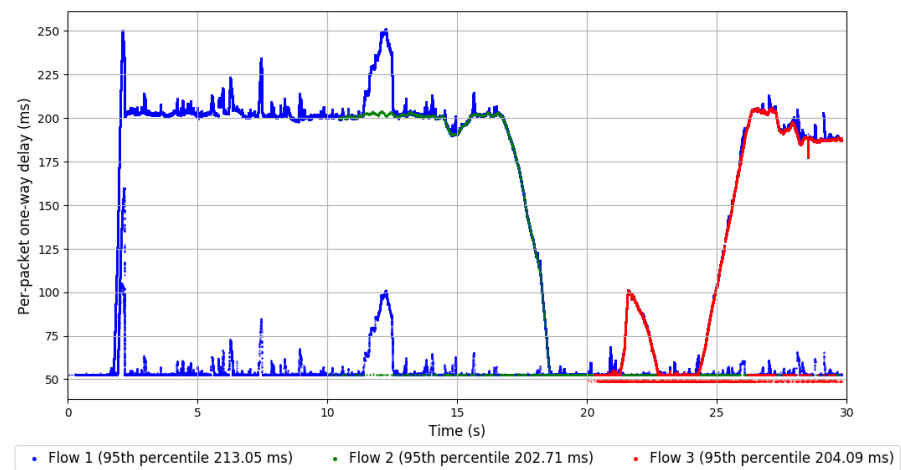
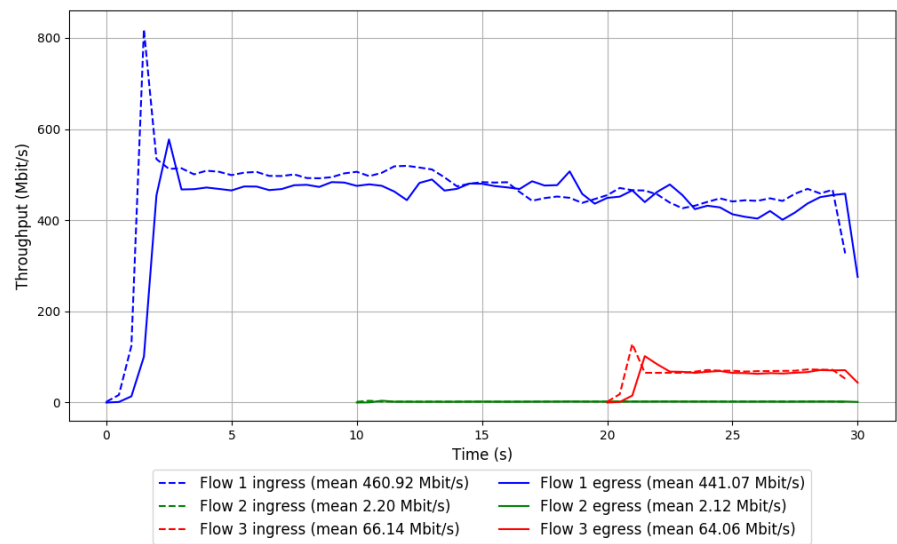
-- Flow 3:

Average throughput: 64.06 Mbit/s

95th percentile per-packet one-way delay: 204.094 ms

Loss rate: 4.16%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-02 06:56:10

End at: 2018-07-02 06:56:40

Local clock offset: -0.135 ms

Remote clock offset: 1.331 ms

Below is generated by plot.py at 2018-07-02 09:44:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.66 Mbit/s

95th percentile per-packet one-way delay: 194.164 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 369.10 Mbit/s

95th percentile per-packet one-way delay: 194.025 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 40.75 Mbit/s

95th percentile per-packet one-way delay: 199.972 ms

Loss rate: 0.66%

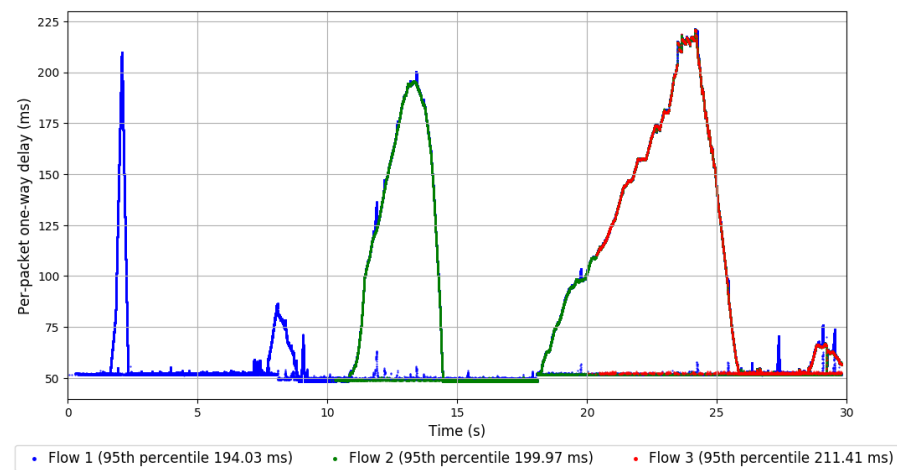
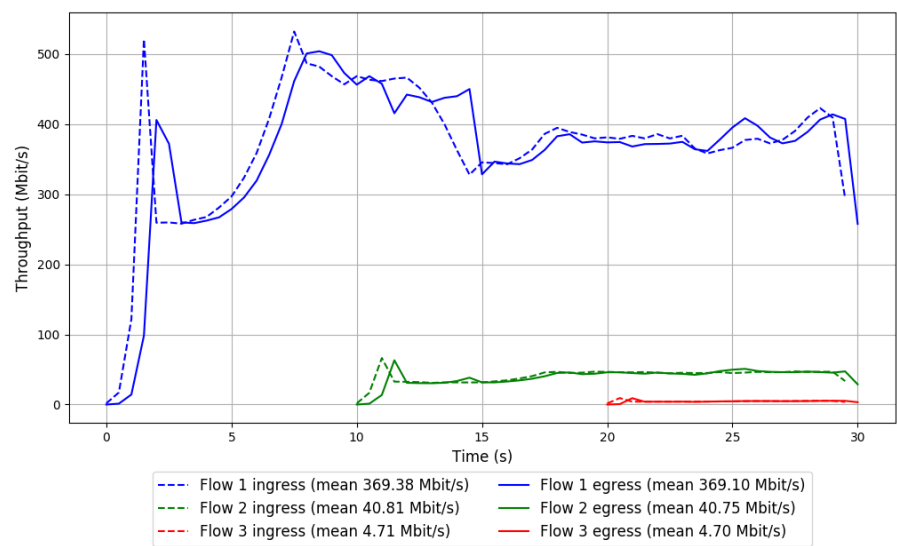
-- Flow 3:

Average throughput: 4.70 Mbit/s

95th percentile per-packet one-way delay: 211.407 ms

Loss rate: 1.29%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-02 07:20:02

End at: 2018-07-02 07:20:32

Local clock offset: -0.2 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-07-02 09:44:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.67 Mbit/s

95th percentile per-packet one-way delay: 230.345 ms

Loss rate: 8.72%

-- Flow 1:

Average throughput: 432.23 Mbit/s

95th percentile per-packet one-way delay: 230.247 ms

Loss rate: 8.38%

-- Flow 2:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 230.118 ms

Loss rate: 9.40%

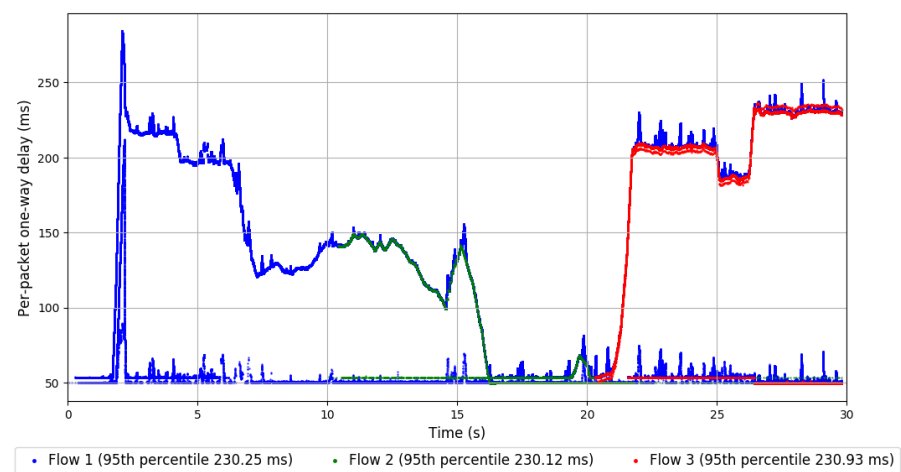
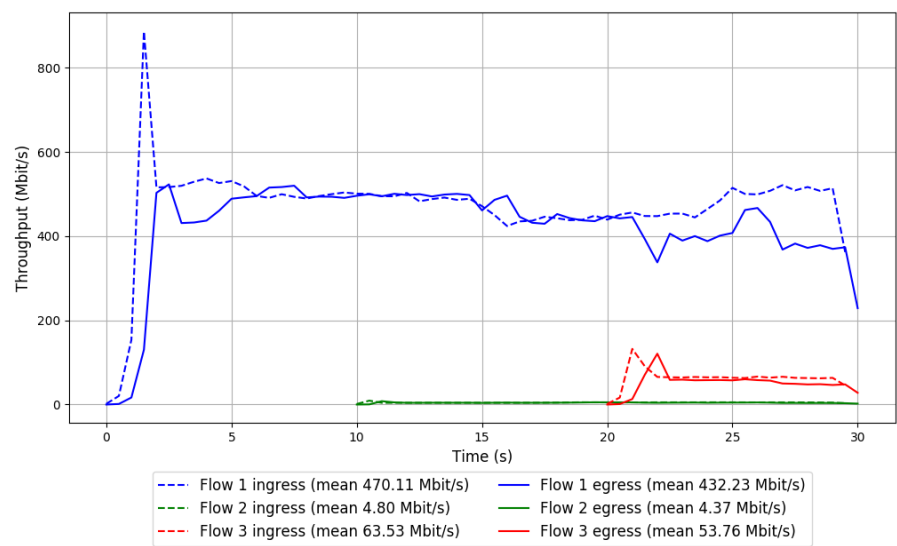
-- Flow 3:

Average throughput: 53.76 Mbit/s

95th percentile per-packet one-way delay: 230.927 ms

Loss rate: 16.30%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-02 07:43:56

End at: 2018-07-02 07:44:26

Local clock offset: -0.063 ms

Remote clock offset: 1.331 ms

Below is generated by plot.py at 2018-07-02 09:44:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 411.22 Mbit/s

95th percentile per-packet one-way delay: 228.240 ms

Loss rate: 5.61%

-- Flow 1:

Average throughput: 400.42 Mbit/s

95th percentile per-packet one-way delay: 228.246 ms

Loss rate: 5.56%

-- Flow 2:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 228.108 ms

Loss rate: 7.26%

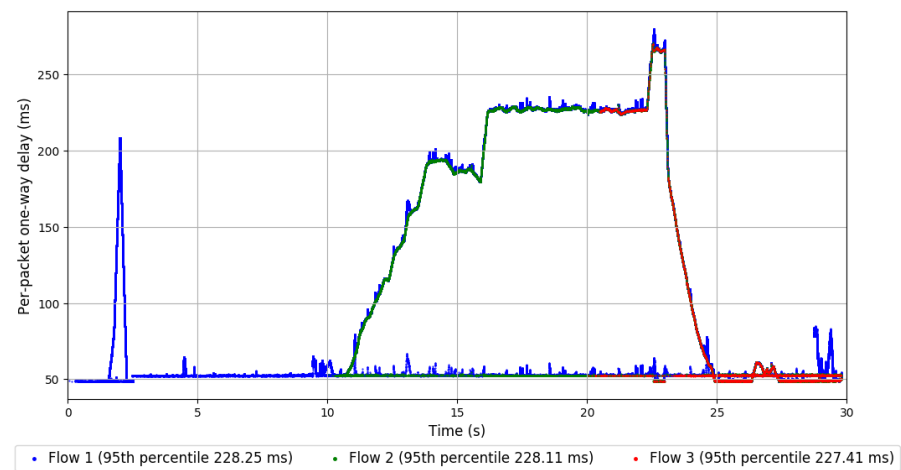
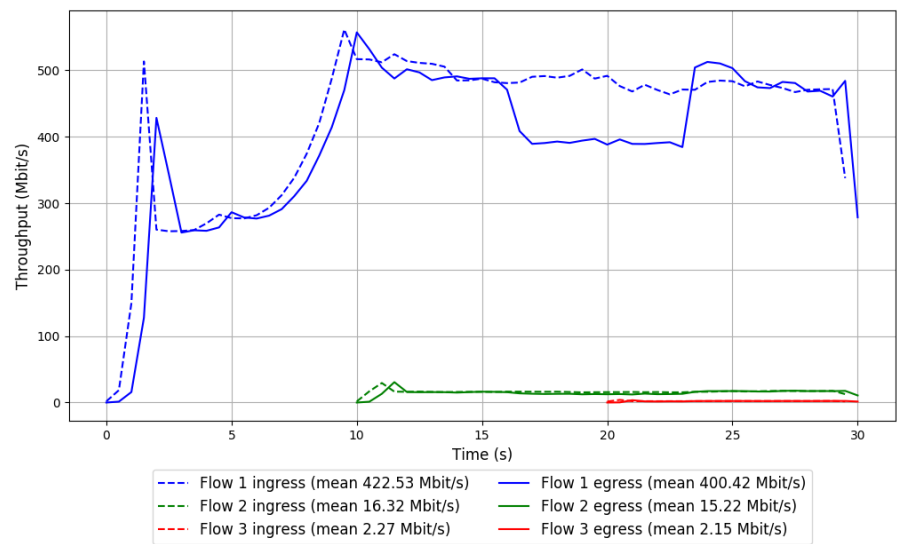
-- Flow 3:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 227.411 ms

Loss rate: 6.48%

Run 10: Report of PCC-Allegro — Data Link

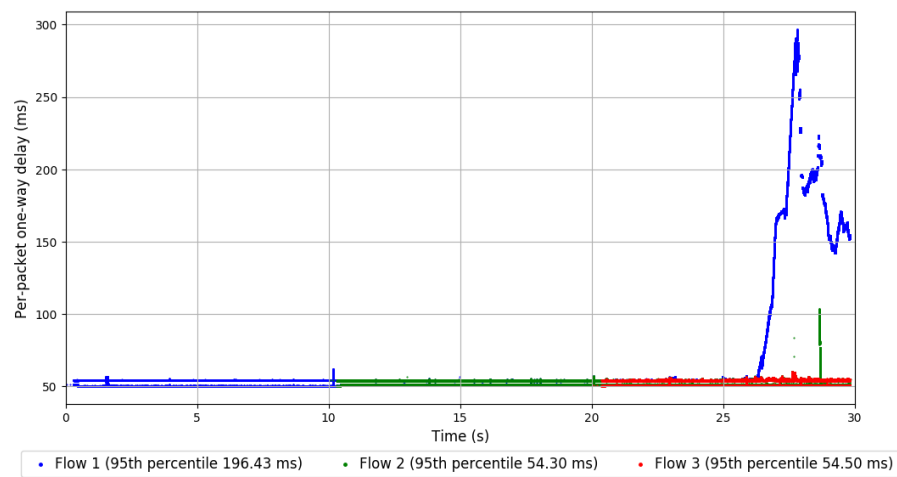
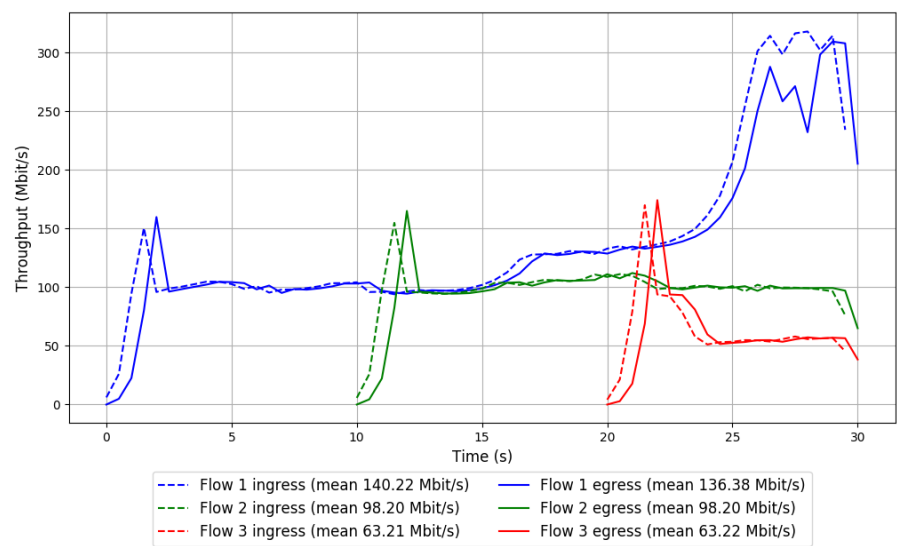


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-02 04:22:58
End at: 2018-07-02 04:23:28
Local clock offset: -0.088 ms
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2018-07-02 09:44:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.28 Mbit/s
95th percentile per-packet one-way delay: 185.386 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 136.38 Mbit/s
95th percentile per-packet one-way delay: 196.428 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 98.20 Mbit/s
95th percentile per-packet one-way delay: 54.295 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 54.500 ms
Loss rate: 1.04%
```


Run 1: Report of PCC-Expr — Data Link

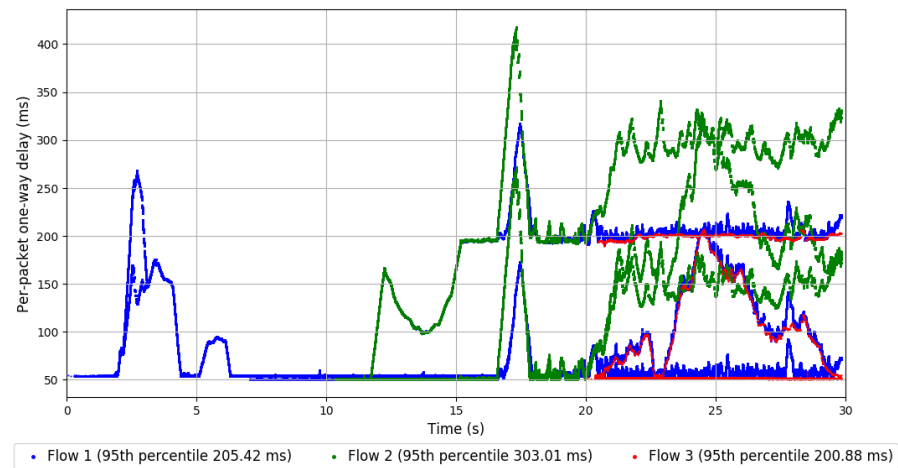
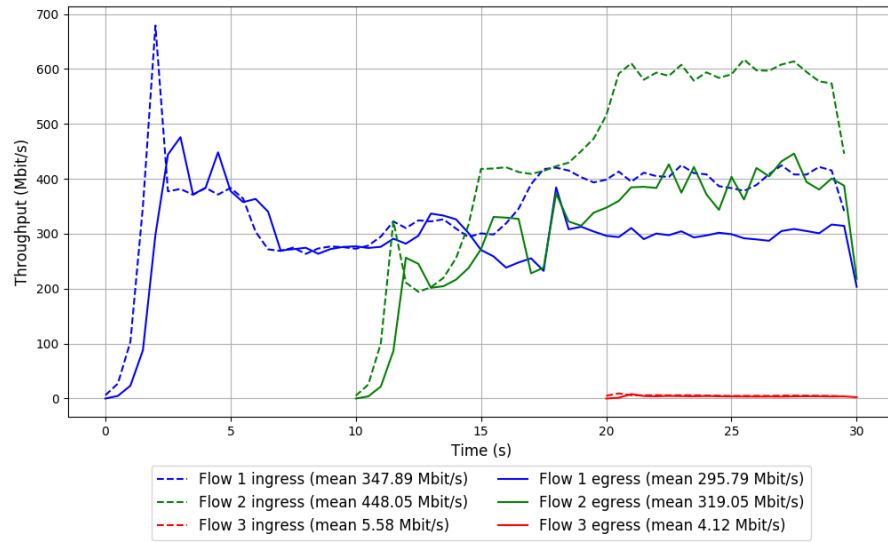


Run 2: Statistics of PCC-Expr

Start at: 2018-07-02 04:46:41
End at: 2018-07-02 04:47:11
Local clock offset: 0.069 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-02 09:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 508.58 Mbit/s
95th percentile per-packet one-way delay: 286.024 ms
Loss rate: 21.70%
-- Flow 1:
Average throughput: 295.79 Mbit/s
95th percentile per-packet one-way delay: 205.423 ms
Loss rate: 15.28%
-- Flow 2:
Average throughput: 319.05 Mbit/s
95th percentile per-packet one-way delay: 303.015 ms
Loss rate: 29.16%
-- Flow 3:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 200.881 ms
Loss rate: 26.85%

Run 2: Report of PCC-Expr — Data Link

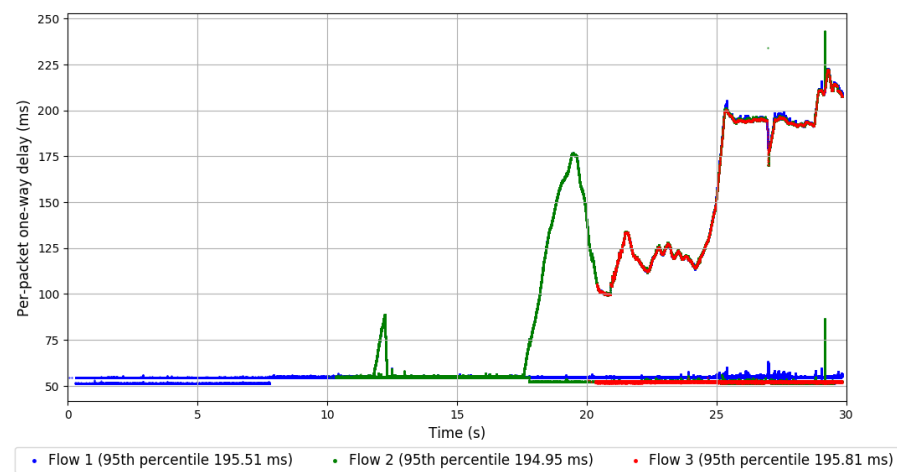
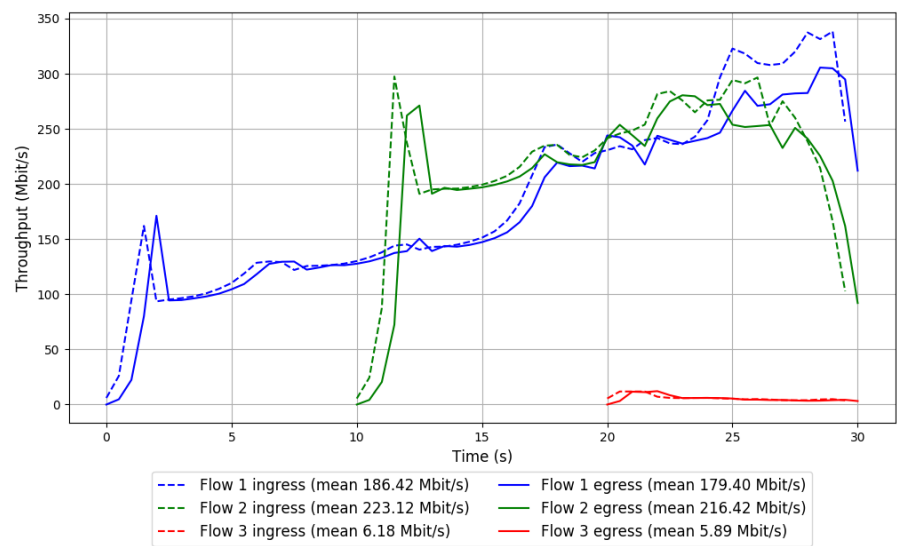


Run 3: Statistics of PCC-Expr

Start at: 2018-07-02 05:10:30
End at: 2018-07-02 05:11:00
Local clock offset: 0.097 ms
Remote clock offset: -1.351 ms

Below is generated by plot.py at 2018-07-02 09:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.05 Mbit/s
95th percentile per-packet one-way delay: 195.226 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 179.40 Mbit/s
95th percentile per-packet one-way delay: 195.510 ms
Loss rate: 4.11%
-- Flow 2:
Average throughput: 216.42 Mbit/s
95th percentile per-packet one-way delay: 194.949 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 195.813 ms
Loss rate: 5.68%

Run 3: Report of PCC-Expr — Data Link

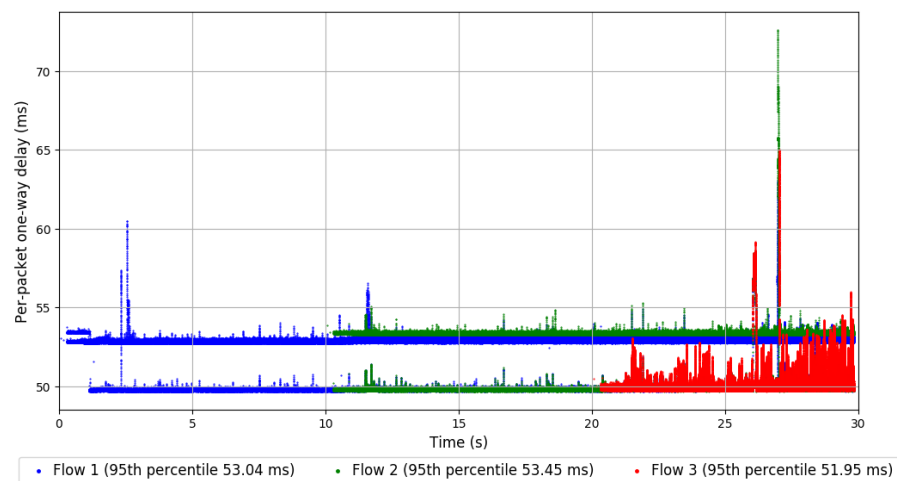
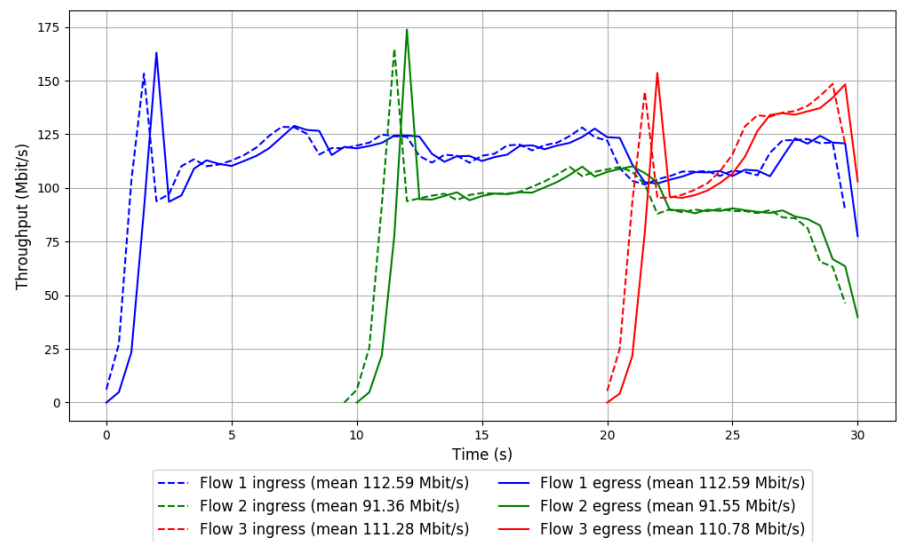


Run 4: Statistics of PCC-Expr

Start at: 2018-07-02 05:34:07
End at: 2018-07-02 05:34:37
Local clock offset: -0.369 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-07-02 09:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.73 Mbit/s
95th percentile per-packet one-way delay: 53.401 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 112.59 Mbit/s
95th percentile per-packet one-way delay: 53.044 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 91.55 Mbit/s
95th percentile per-packet one-way delay: 53.450 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 110.78 Mbit/s
95th percentile per-packet one-way delay: 51.947 ms
Loss rate: 1.50%

Run 4: Report of PCC-Expr — Data Link

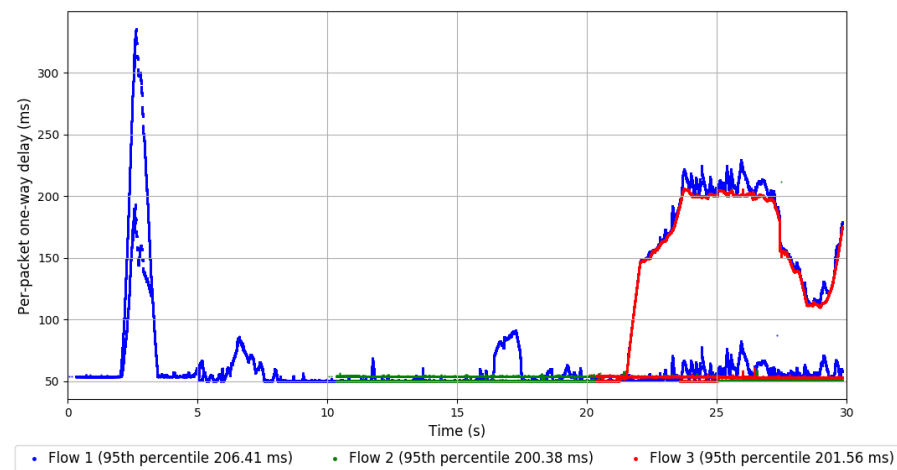
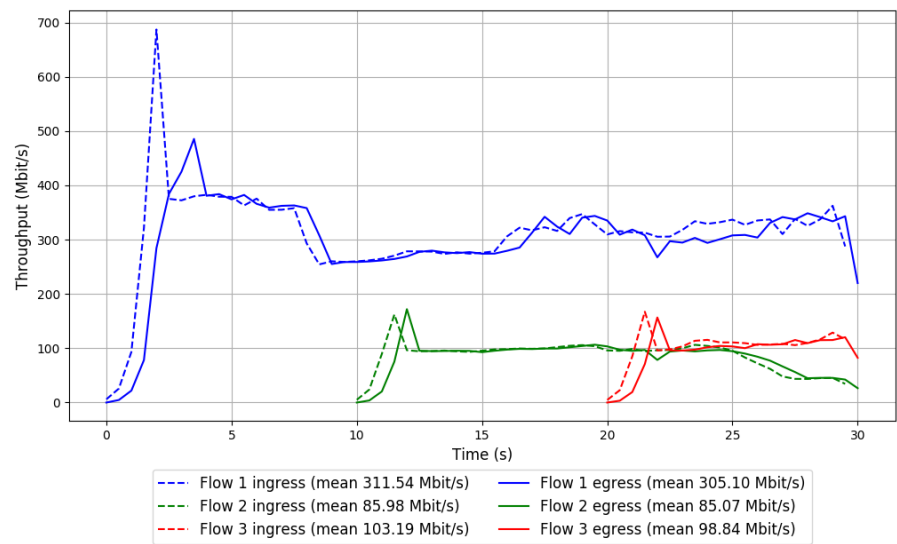


Run 5: Statistics of PCC-Expr

Start at: 2018-07-02 05:57:43
End at: 2018-07-02 05:58:13
Local clock offset: -0.161 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-02 09:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.95 Mbit/s
95th percentile per-packet one-way delay: 203.939 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 305.10 Mbit/s
95th percentile per-packet one-way delay: 206.412 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 200.380 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 98.84 Mbit/s
95th percentile per-packet one-way delay: 201.563 ms
Loss rate: 5.28%

Run 5: Report of PCC-Expr — Data Link

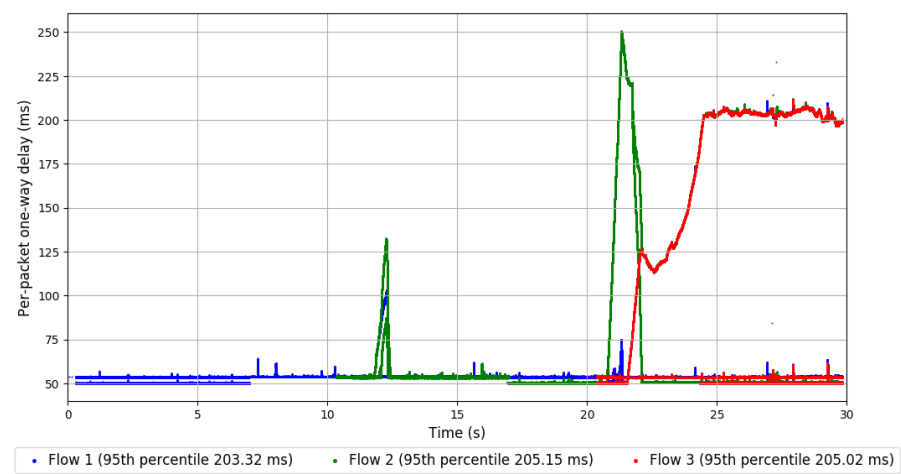
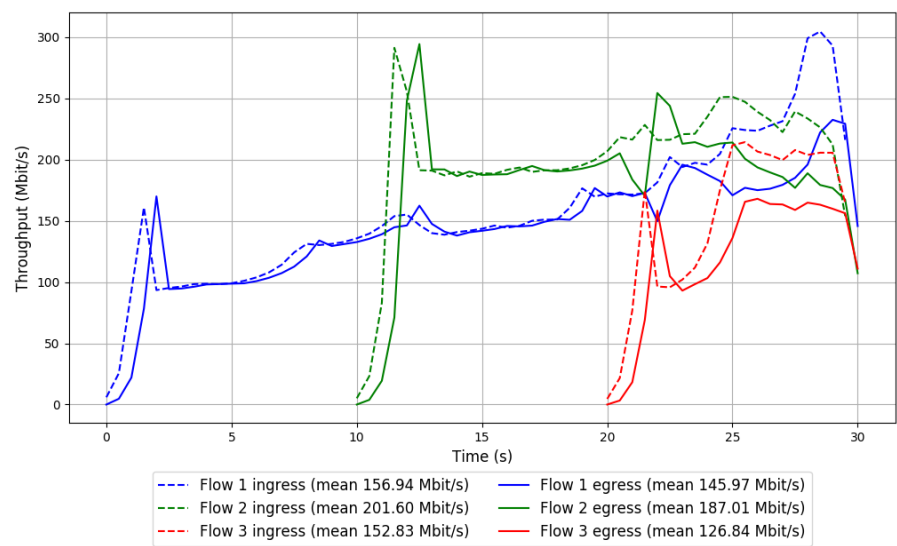


Run 6: Statistics of PCC-Expr

Start at: 2018-07-02 06:21:51
End at: 2018-07-02 06:22:21
Local clock offset: -0.004 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-02 09:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.66 Mbit/s
95th percentile per-packet one-way delay: 204.260 ms
Loss rate: 9.04%
-- Flow 1:
Average throughput: 145.97 Mbit/s
95th percentile per-packet one-way delay: 203.321 ms
Loss rate: 7.32%
-- Flow 2:
Average throughput: 187.01 Mbit/s
95th percentile per-packet one-way delay: 205.149 ms
Loss rate: 7.73%
-- Flow 3:
Average throughput: 126.84 Mbit/s
95th percentile per-packet one-way delay: 205.022 ms
Loss rate: 17.88%

Run 6: Report of PCC-Expr — Data Link

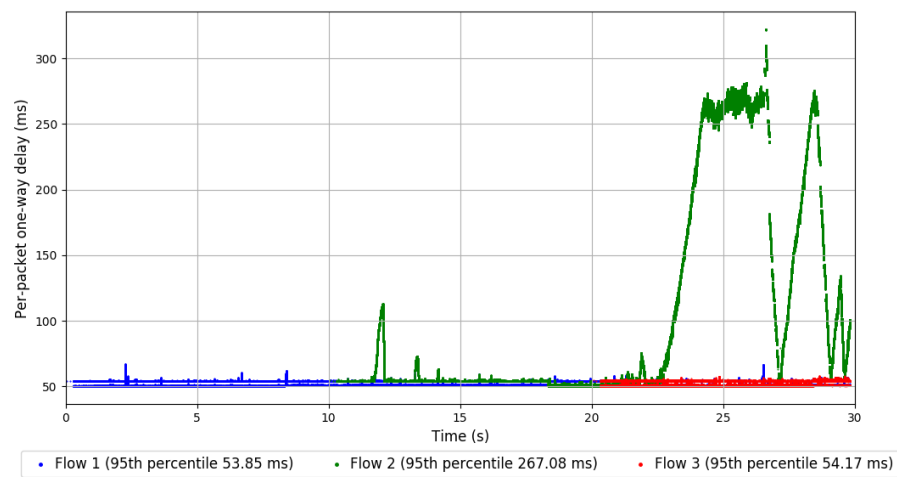
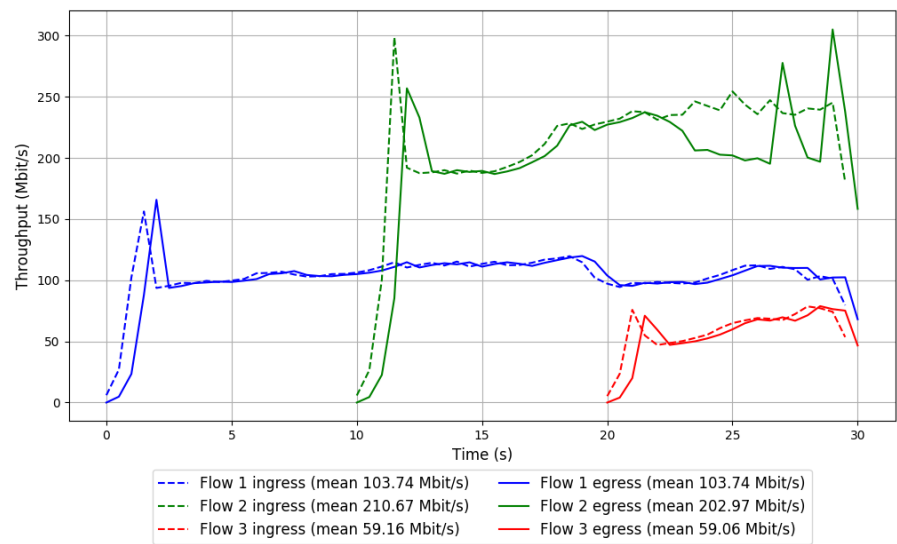


Run 7: Statistics of PCC-Expr

Start at: 2018-07-02 06:46:00
End at: 2018-07-02 06:46:30
Local clock offset: 0.009 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-02 09:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.88 Mbit/s
95th percentile per-packet one-way delay: 261.642 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 103.74 Mbit/s
95th percentile per-packet one-way delay: 53.849 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 202.97 Mbit/s
95th percentile per-packet one-way delay: 267.085 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: 54.169 ms
Loss rate: 1.25%

Run 7: Report of PCC-Expr — Data Link

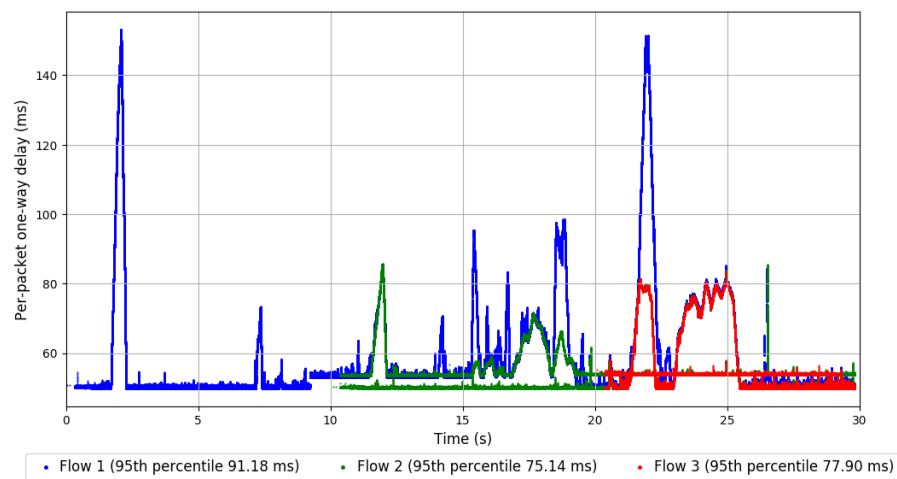
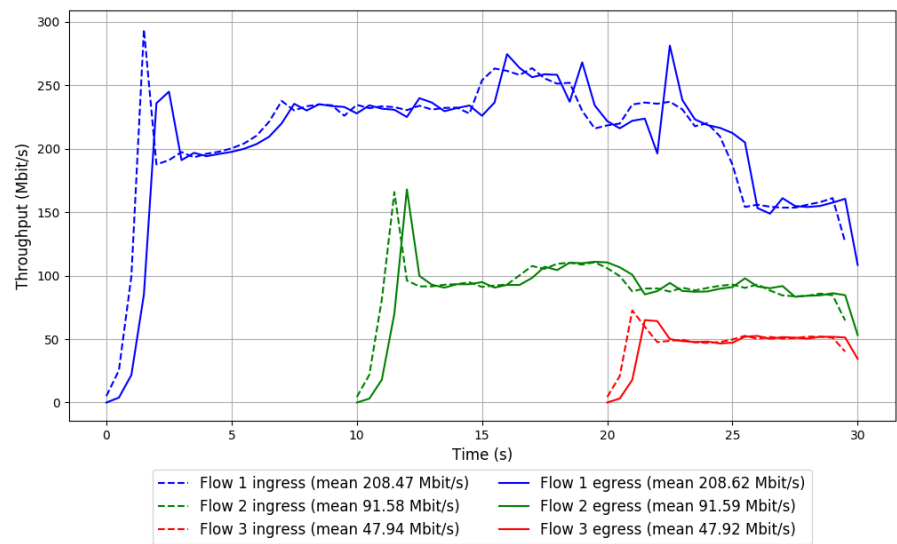


Run 8: Statistics of PCC-Expr

Start at: 2018-07-02 07:09:49
End at: 2018-07-02 07:10:19
Local clock offset: -0.152 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-02 09:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.98 Mbit/s
95th percentile per-packet one-way delay: 82.437 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 208.62 Mbit/s
95th percentile per-packet one-way delay: 91.177 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 75.139 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 47.92 Mbit/s
95th percentile per-packet one-way delay: 77.904 ms
Loss rate: 1.16%

Run 8: Report of PCC-Expr — Data Link

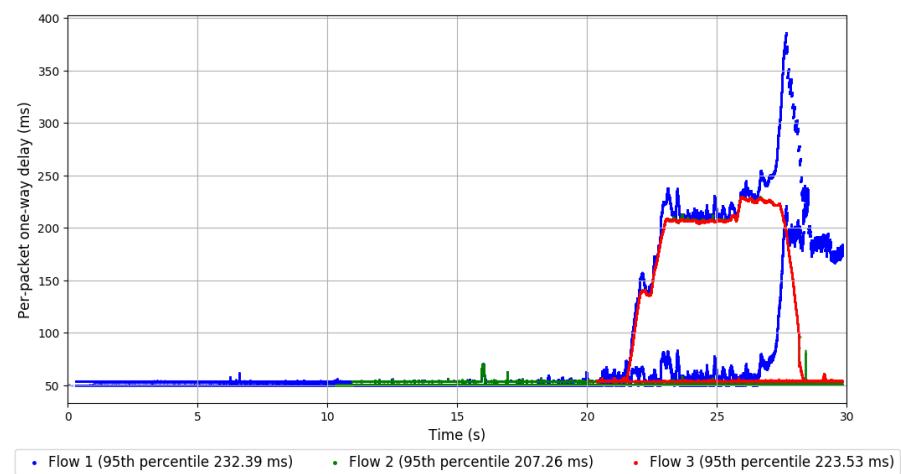
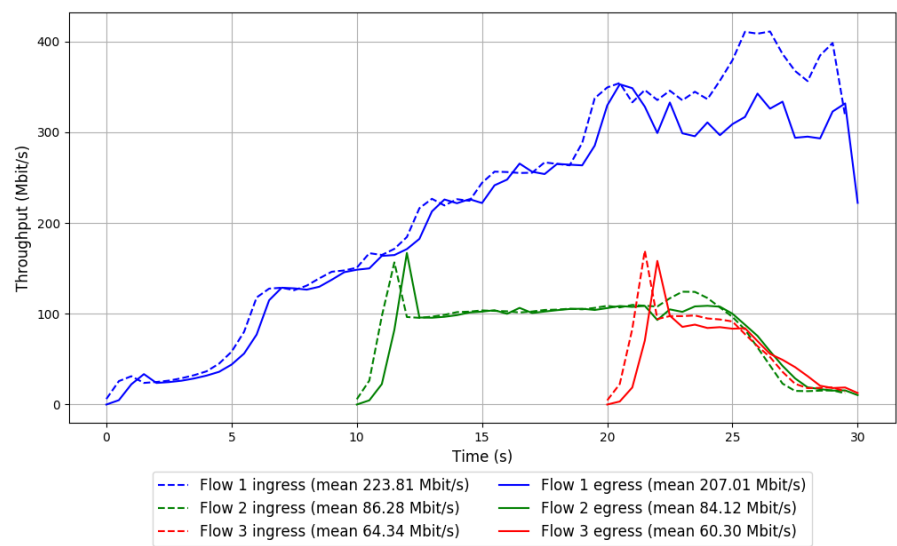


Run 9: Statistics of PCC-Expr

Start at: 2018-07-02 07:33:57
End at: 2018-07-02 07:34:27
Local clock offset: -0.334 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-02 09:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.60 Mbit/s
95th percentile per-packet one-way delay: 226.757 ms
Loss rate: 6.88%
-- Flow 1:
Average throughput: 207.01 Mbit/s
95th percentile per-packet one-way delay: 232.393 ms
Loss rate: 7.83%
-- Flow 2:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 207.259 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 223.529 ms
Loss rate: 7.31%

Run 9: Report of PCC-Expr — Data Link

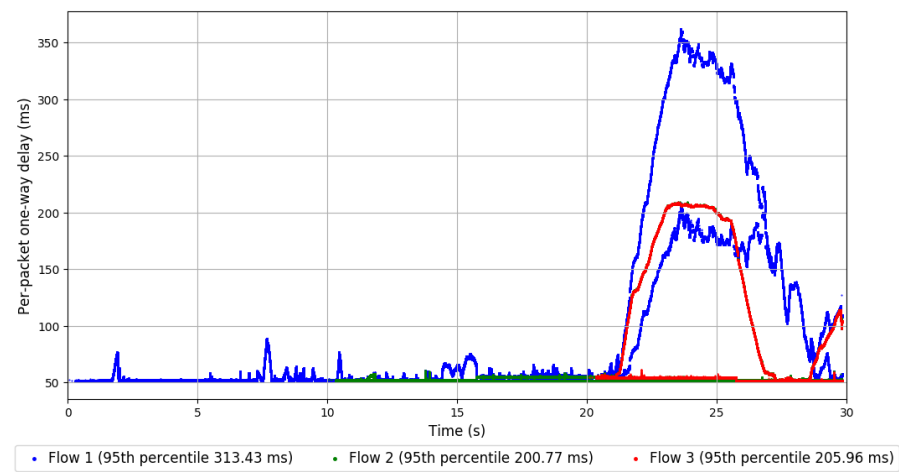
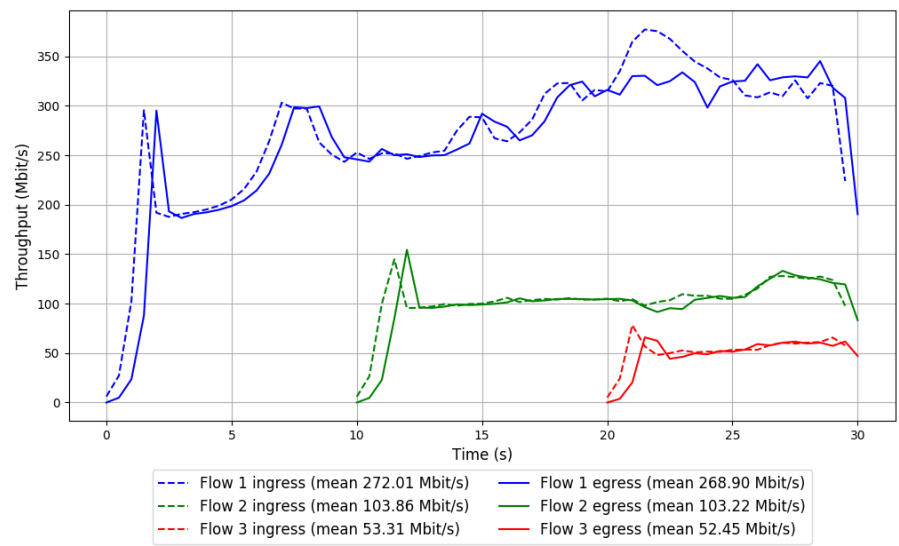


Run 10: Statistics of PCC-Expr

Start at: 2018-07-02 07:57:52
End at: 2018-07-02 07:58:22
Local clock offset: -0.134 ms
Remote clock offset: -1.311 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.60 Mbit/s
95th percentile per-packet one-way delay: 272.167 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 268.90 Mbit/s
95th percentile per-packet one-way delay: 313.432 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 103.22 Mbit/s
95th percentile per-packet one-way delay: 200.773 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 205.960 ms
Loss rate: 2.68%

Run 10: Report of PCC-Expr — Data Link

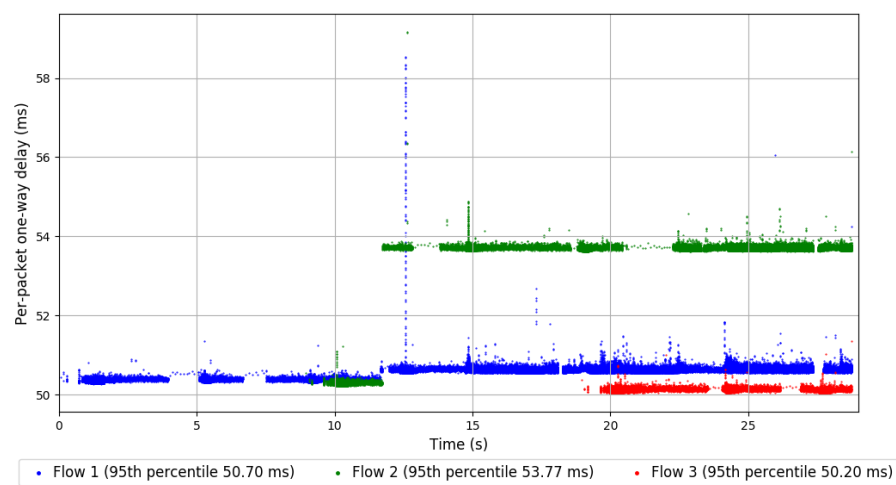
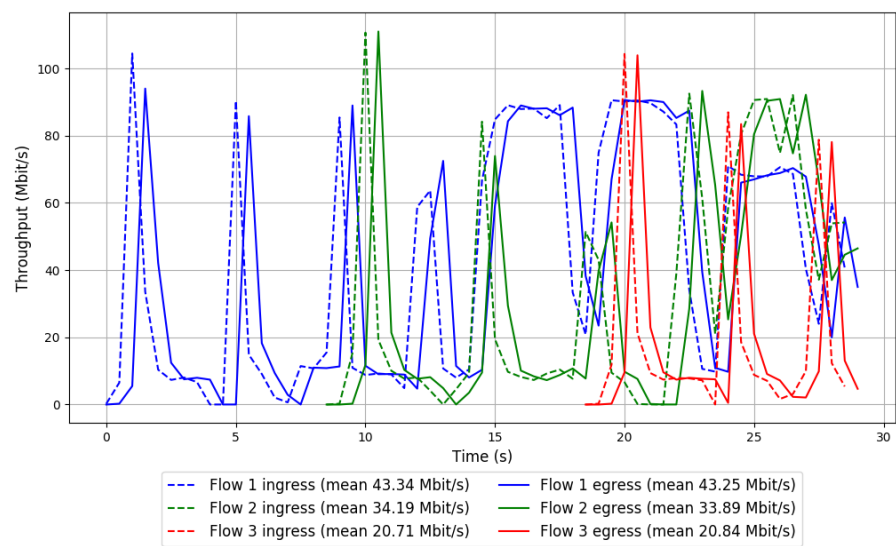


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-02 04:14:55
End at: 2018-07-02 04:15:25
Local clock offset: -0.048 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 53.737 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 50.704 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 53.772 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 50.199 ms
Loss rate: 0.41%

Run 1: Report of QUIC Cubic — Data Link

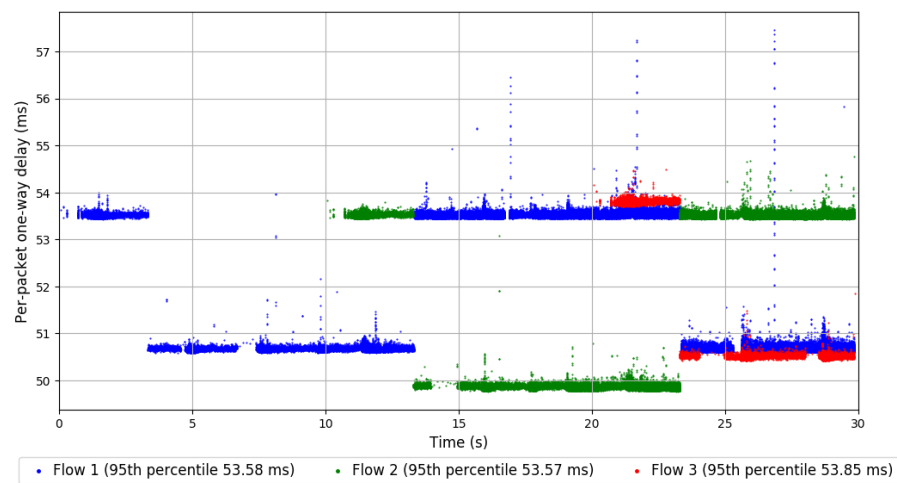
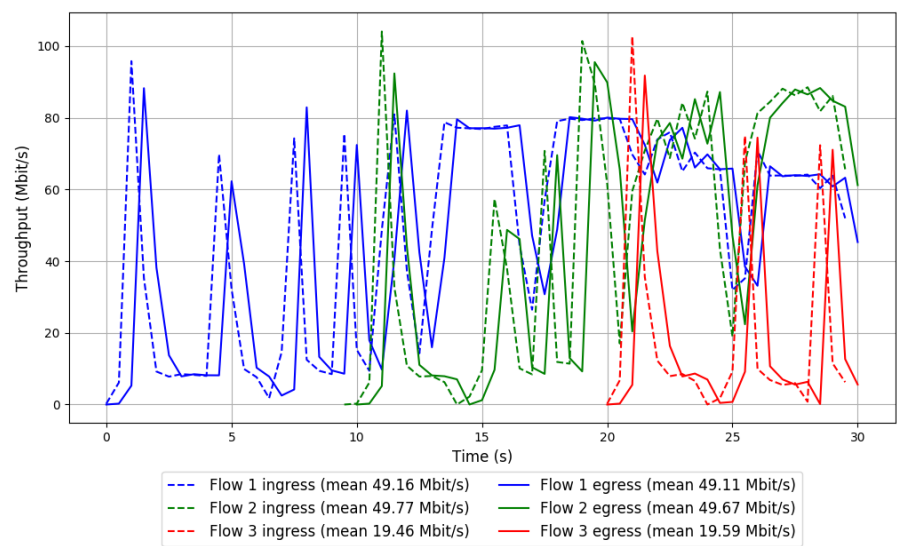


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-02 04:38:35
End at: 2018-07-02 04:39:05
Local clock offset: -0.195 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 53.613 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 53.579 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 53.569 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 53.853 ms
Loss rate: 0.39%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-02 05:02:34

End at: 2018-07-02 05:03:04

Local clock offset: -0.057 ms

Remote clock offset: 1.304 ms

Below is generated by plot.py at 2018-07-02 10:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 52.410 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 45.77 Mbit/s

95th percentile per-packet one-way delay: 52.425 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 32.26 Mbit/s

95th percentile per-packet one-way delay: 52.338 ms

Loss rate: 1.33%

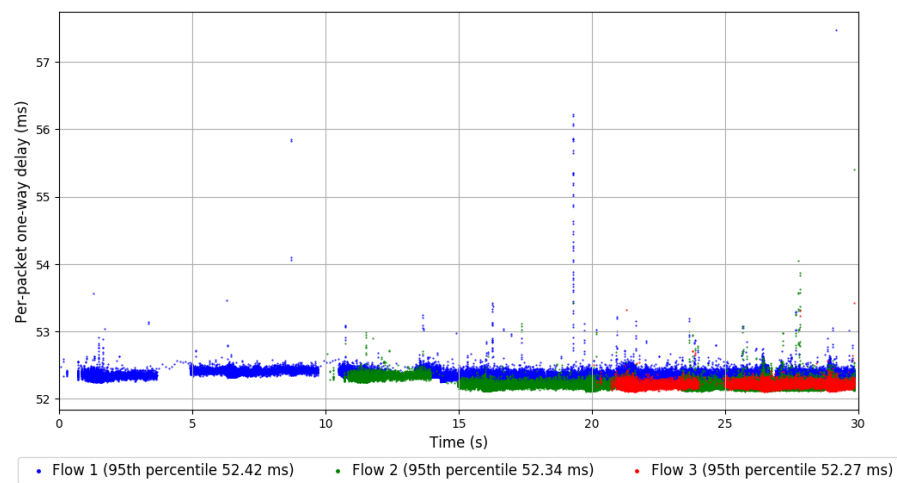
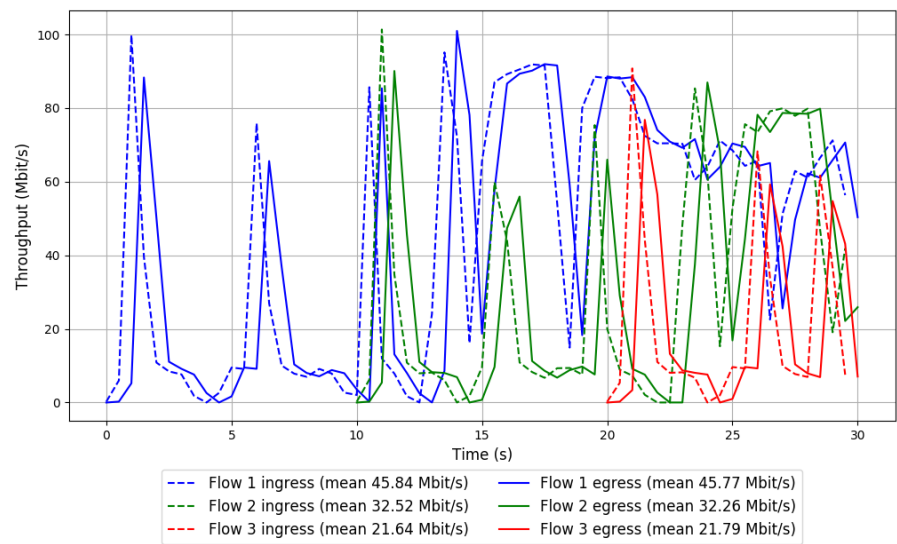
-- Flow 3:

Average throughput: 21.79 Mbit/s

95th percentile per-packet one-way delay: 52.273 ms

Loss rate: 0.41%

Run 3: Report of QUIC Cubic — Data Link

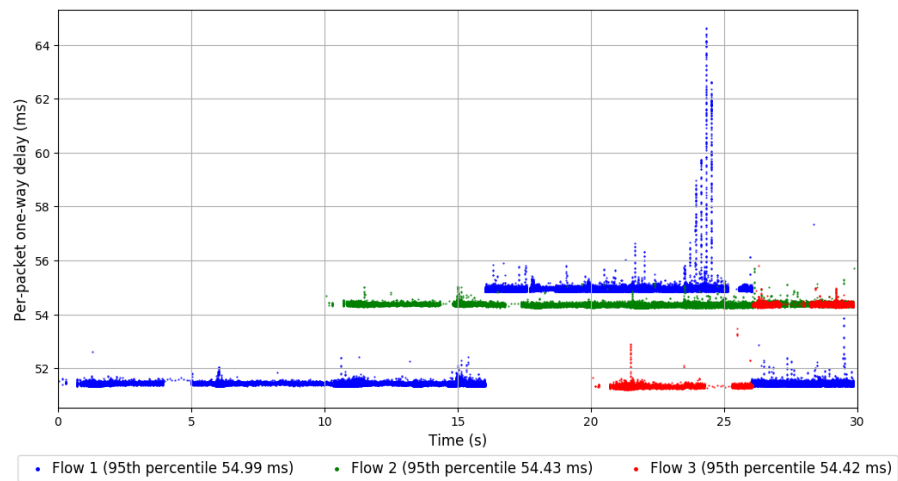
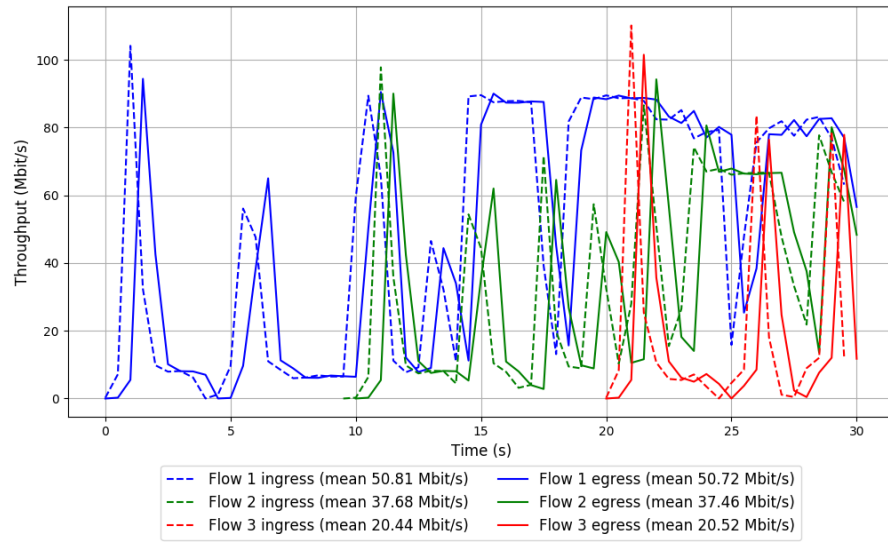


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-02 05:26:12
End at: 2018-07-02 05:26:42
Local clock offset: -0.08 ms
Remote clock offset: -1.411 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 54.972 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 54.991 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 54.428 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 54.420 ms
Loss rate: 0.63%

Run 4: Report of QUIC Cubic — Data Link

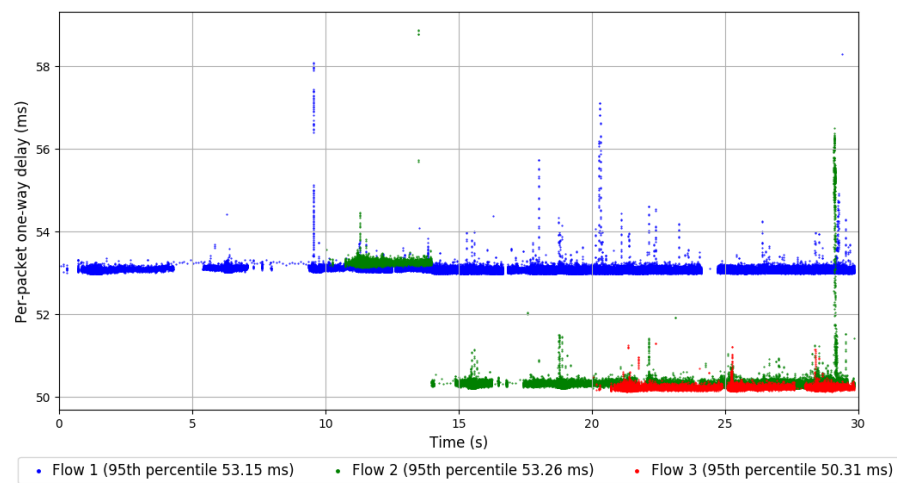
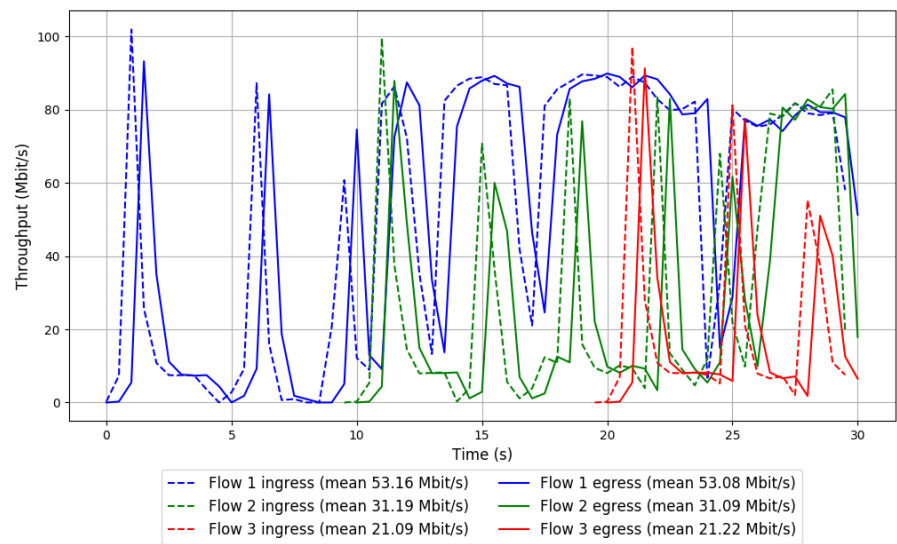


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-02 05:49:34
End at: 2018-07-02 05:50:04
Local clock offset: -0.088 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 53.178 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: 53.148 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 53.263 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 50.307 ms
Loss rate: 0.48%

Run 5: Report of QUIC Cubic — Data Link

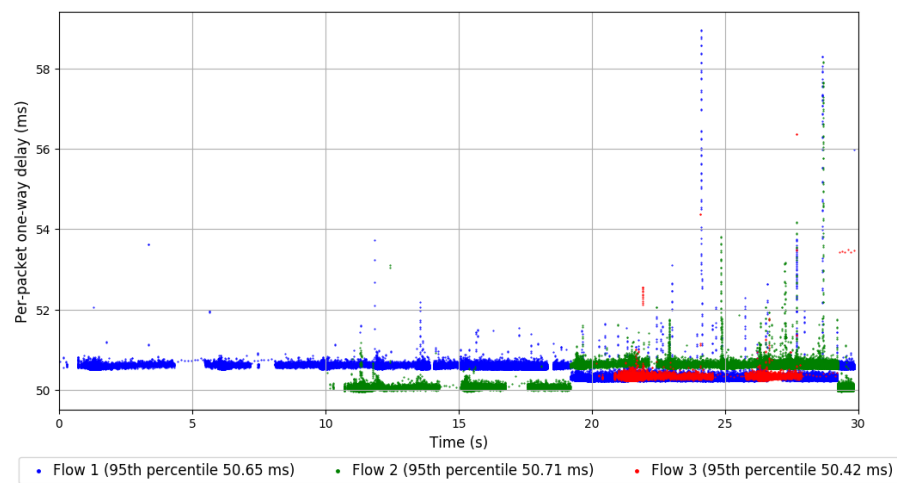
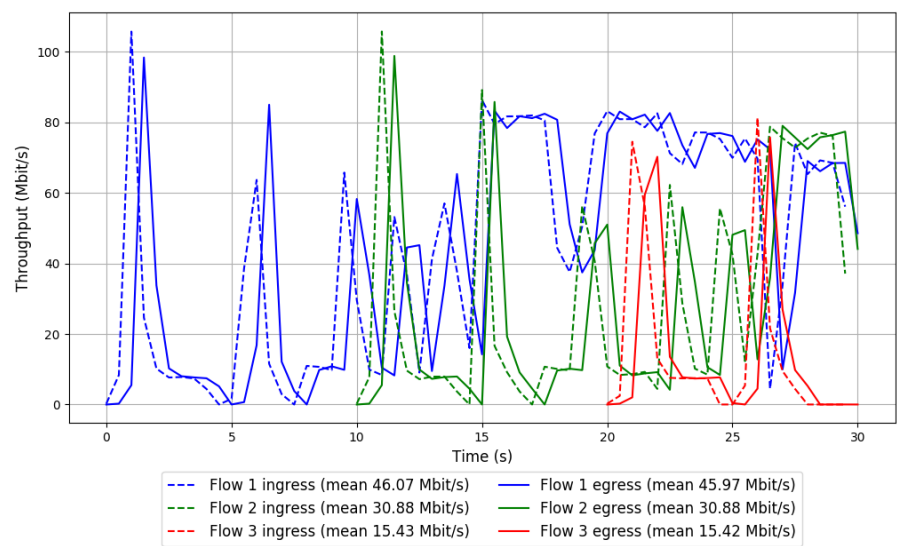


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-02 06:13:39
End at: 2018-07-02 06:14:09
Local clock offset: -0.097 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.44 Mbit/s
95th percentile per-packet one-way delay: 50.670 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 45.97 Mbit/s
95th percentile per-packet one-way delay: 50.647 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 50.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 50.416 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-02 06:37:36

End at: 2018-07-02 06:38:06

Local clock offset: -0.234 ms

Remote clock offset: 1.04 ms

Below is generated by plot.py at 2018-07-02 10:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.02 Mbit/s

95th percentile per-packet one-way delay: 52.321 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 44.34 Mbit/s

95th percentile per-packet one-way delay: 52.316 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 29.57 Mbit/s

95th percentile per-packet one-way delay: 49.225 ms

Loss rate: 1.31%

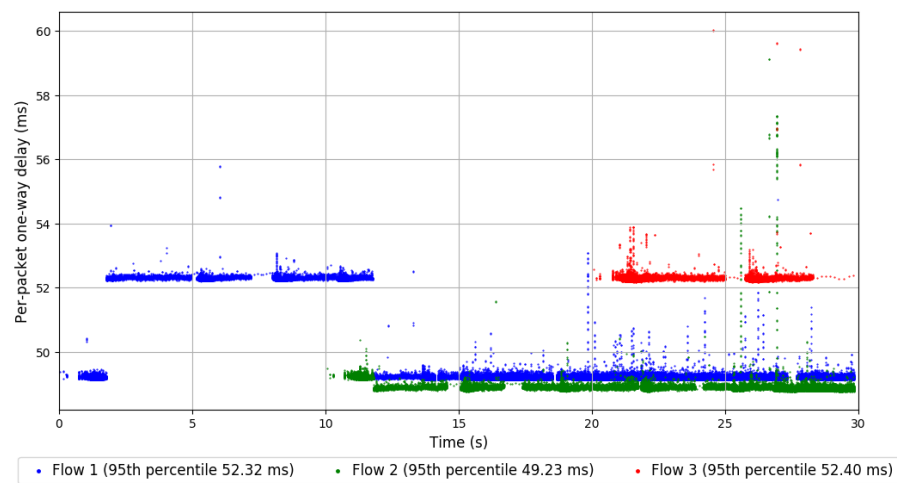
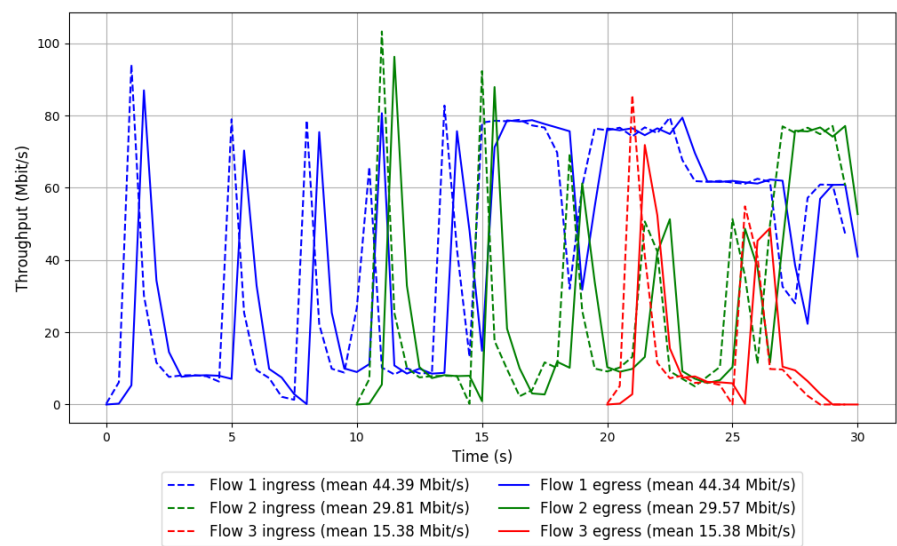
-- Flow 3:

Average throughput: 15.38 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-02 07:01:47

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

Local clock offset: 0.09 ms

Remote clock offset: 1.107 ms

Below is generated by plot.py at 2018-07-02 10:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.35 Mbit/s

95th percentile per-packet one-way delay: 52.786 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 45.53 Mbit/s

95th percentile per-packet one-way delay: 52.798 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 52.762 ms

Loss rate: 1.11%

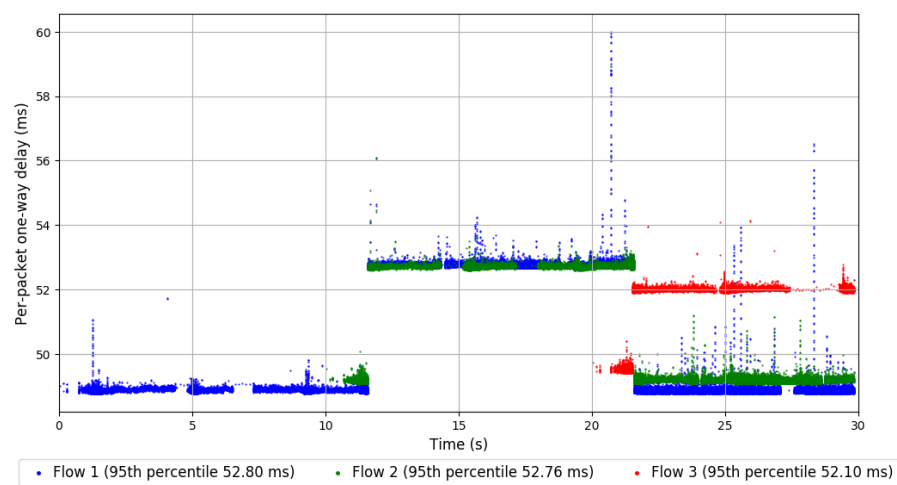
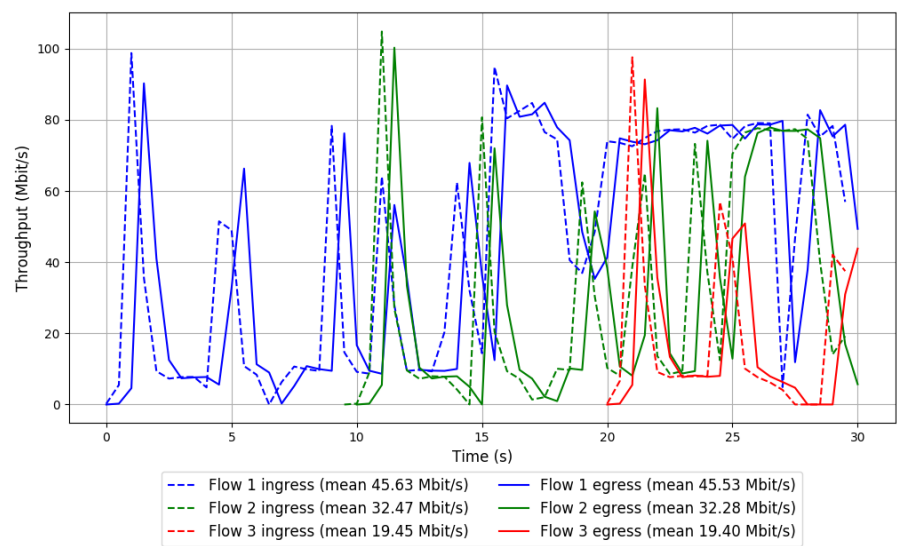
-- Flow 3:

Average throughput: 19.40 Mbit/s

95th percentile per-packet one-way delay: 52.098 ms

Loss rate: 1.25%

Run 8: Report of QUIC Cubic — Data Link

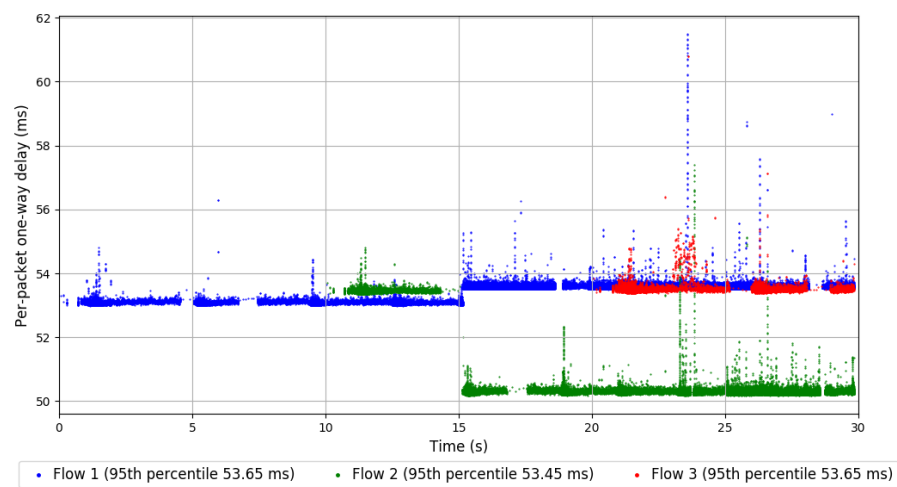
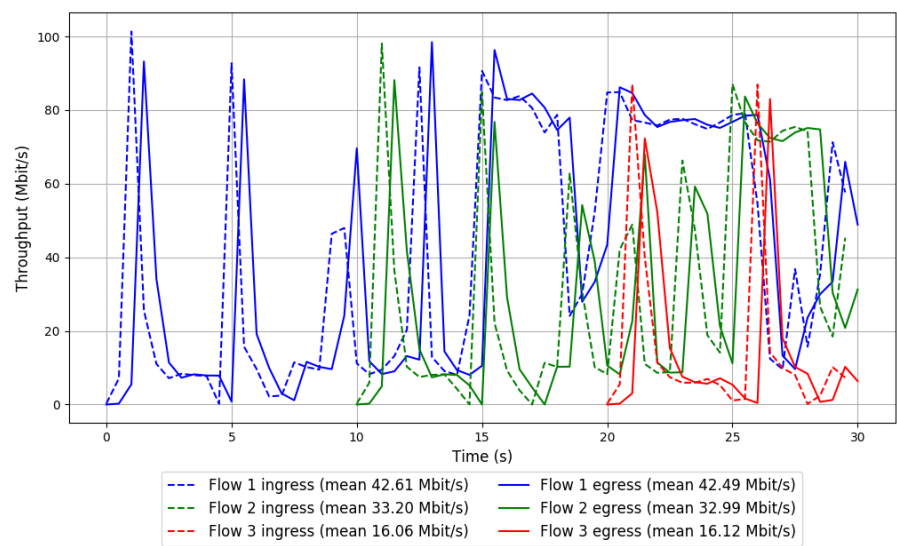


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-02 07:25:43
End at: 2018-07-02 07:26:13
Local clock offset: -0.21 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.69 Mbit/s
95th percentile per-packet one-way delay: 53.636 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 53.651 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 53.446 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 53.646 ms
Loss rate: 0.63%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-02 07:49:46

End at: 2018-07-02 07:50:16

Local clock offset: -0.102 ms

Remote clock offset: 1.095 ms

Below is generated by plot.py at 2018-07-02 10:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.92 Mbit/s

95th percentile per-packet one-way delay: 52.518 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 43.92 Mbit/s

95th percentile per-packet one-way delay: 52.504 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 51.983 ms

Loss rate: 0.17%

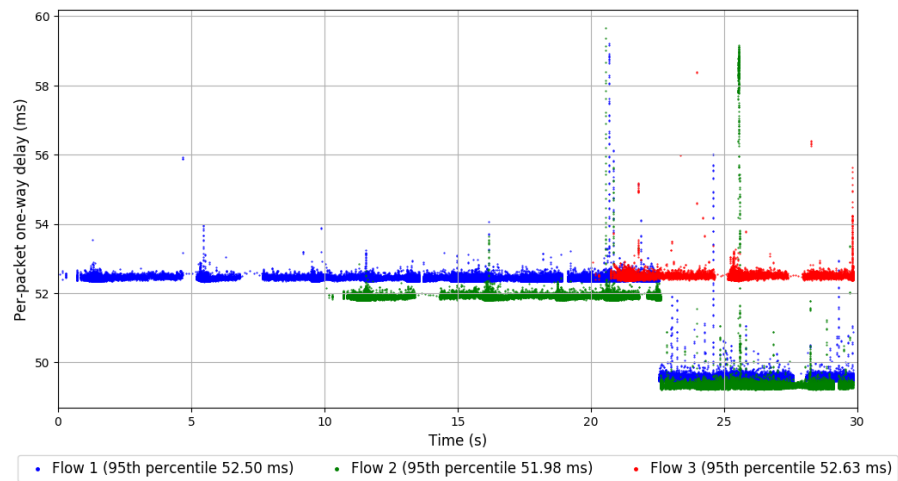
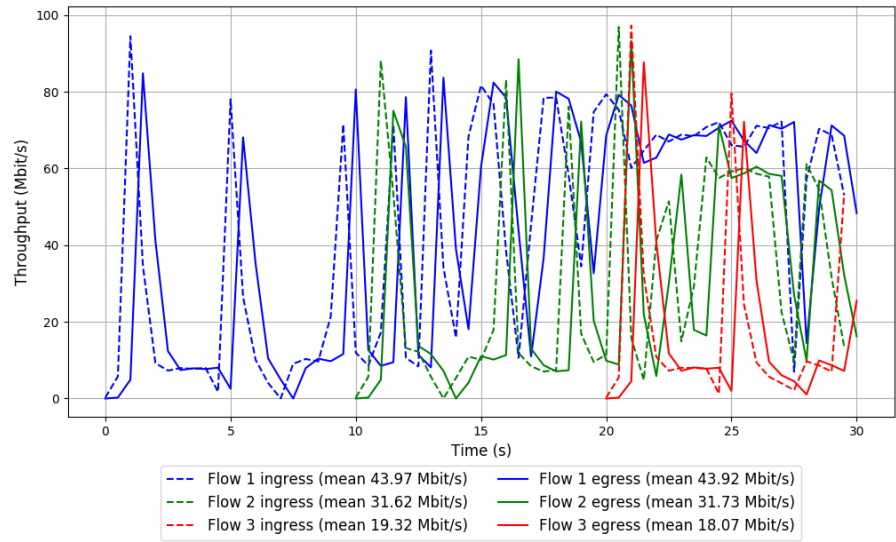
-- Flow 3:

Average throughput: 18.07 Mbit/s

95th percentile per-packet one-way delay: 52.632 ms

Loss rate: 7.47%

Run 10: Report of QUIC Cubic — Data Link

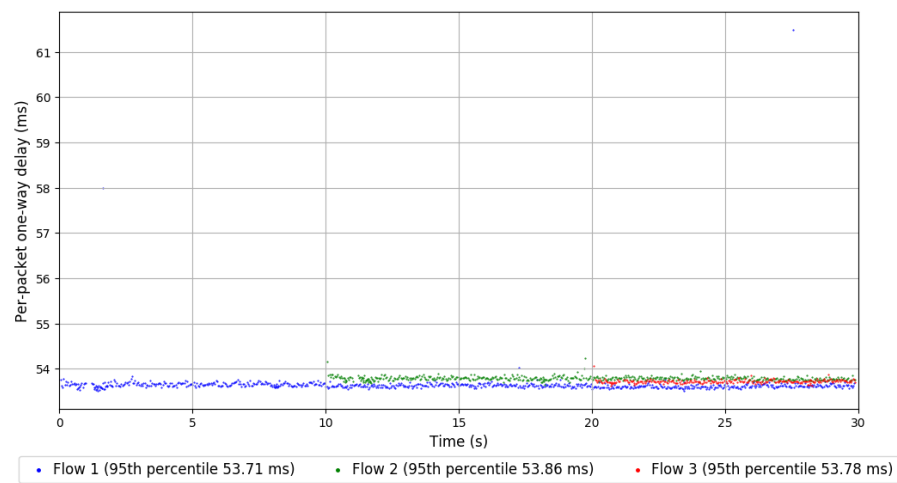
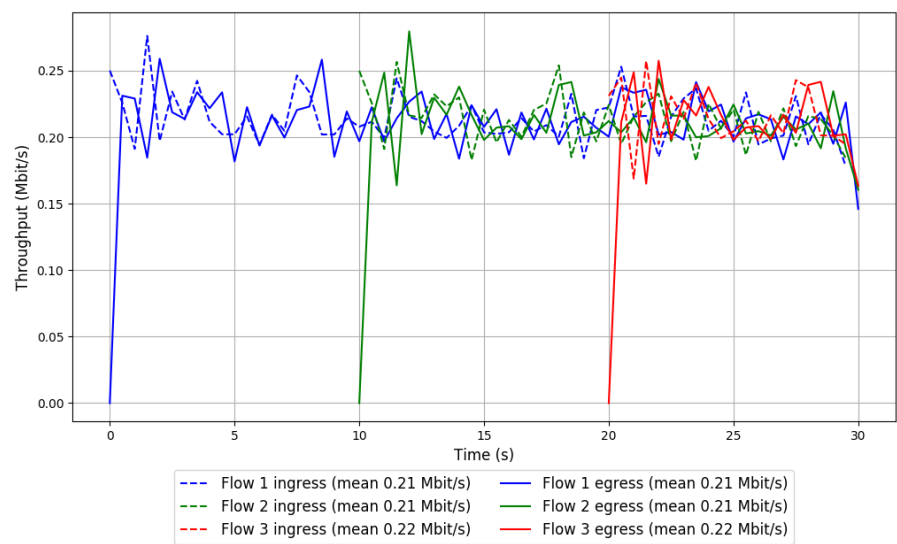


```
Run 1: Statistics of SReAM

Start at: 2018-07-02 04:07:07
End at: 2018-07-02 04:07:37
Local clock offset: -0.197 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-07-02 10:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.832 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.714 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.862 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.776 ms
Loss rate: 1.08%
```


Run 1: Report of SReAM — Data Link

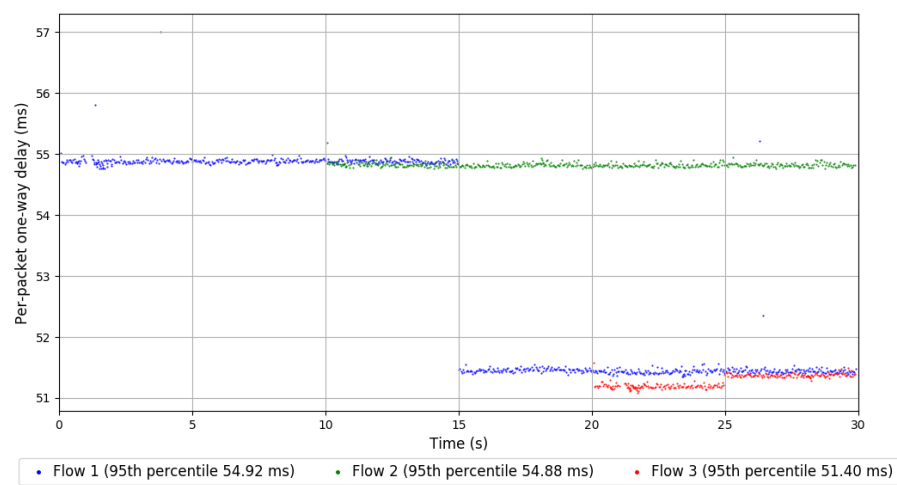
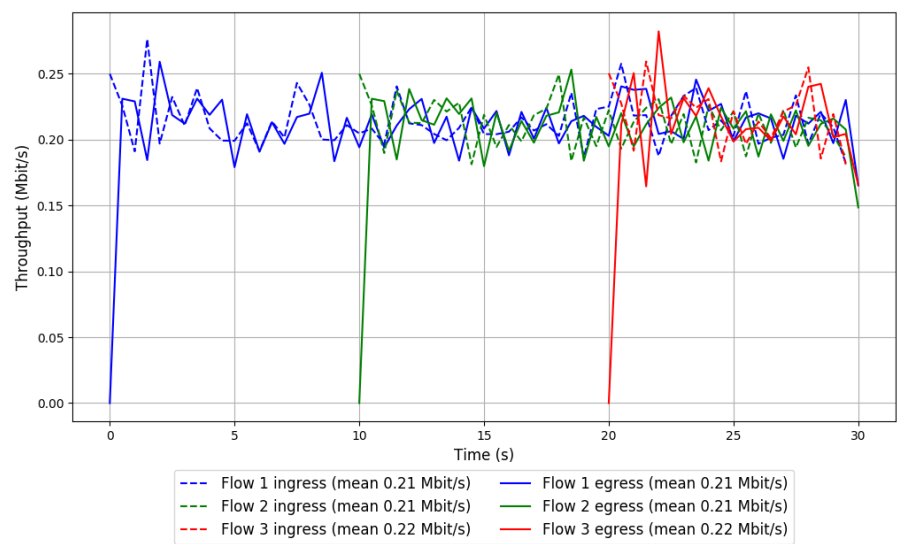


Run 2: Statistics of SReAM

Start at: 2018-07-02 04:30:43
End at: 2018-07-02 04:31:13
Local clock offset: -0.158 ms
Remote clock offset: -1.304 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.907 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.920 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.883 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.404 ms
Loss rate: 1.08%

Run 2: Report of SReAM — Data Link

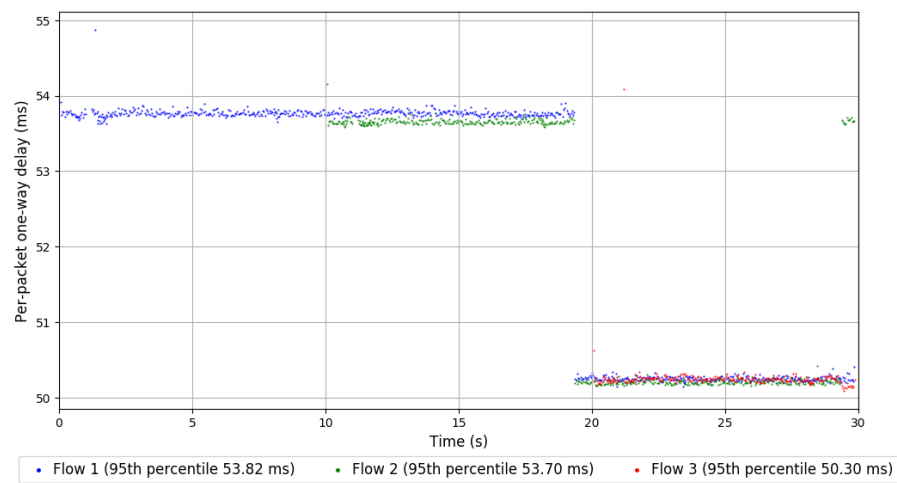
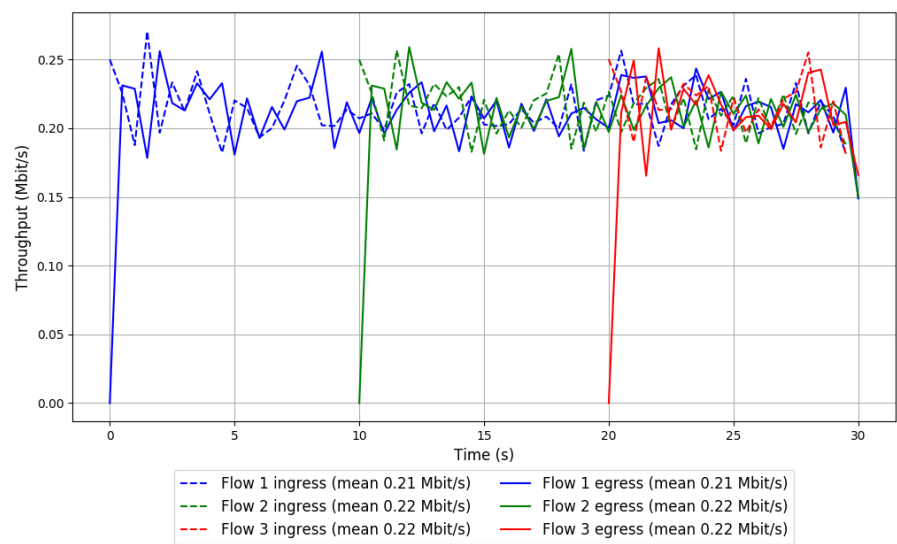


Run 3: Statistics of SReAM

Start at: 2018-07-02 04:54:49
End at: 2018-07-02 04:55:19
Local clock offset: -0.15 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-02 10:03:42
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: 53.820 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.697 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.303 ms
Loss rate: 1.09%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-02 05:18:16

End at: 2018-07-02 05:18:46

Local clock offset: -0.042 ms

Remote clock offset: 1.134 ms

Below is generated by plot.py at 2018-07-02 10:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 52.796 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.819 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.485 ms

Loss rate: 0.61%

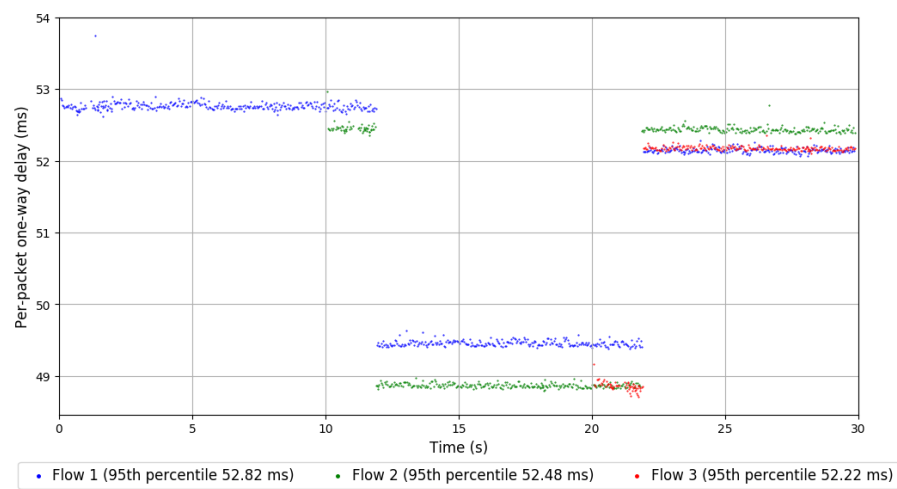
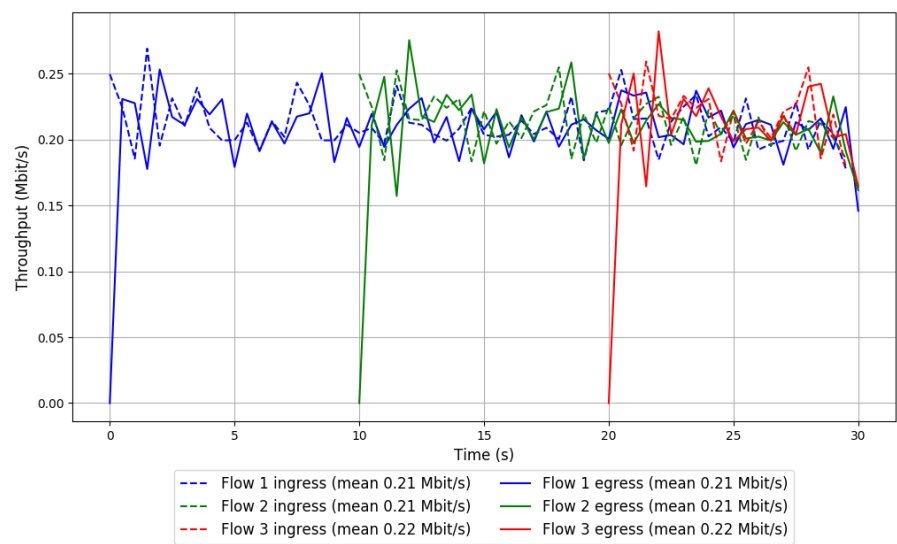
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.216 ms

Loss rate: 1.07%

Run 4: Report of SReAM — Data Link

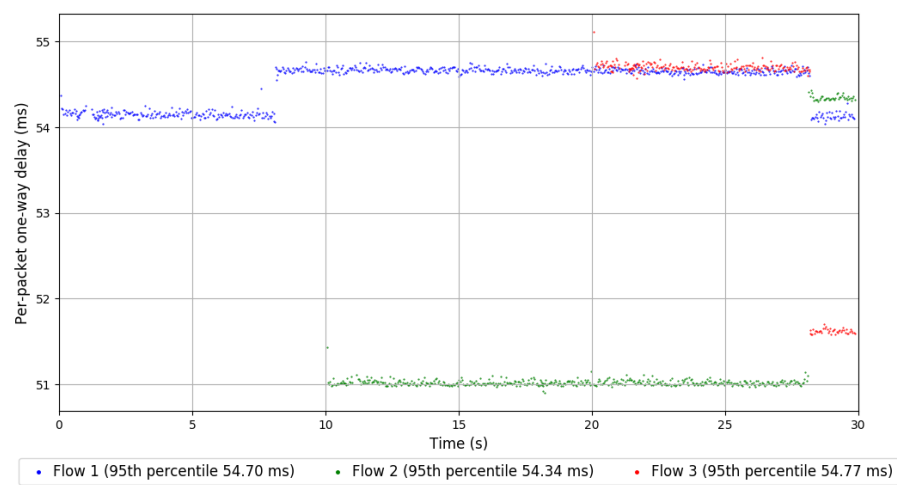
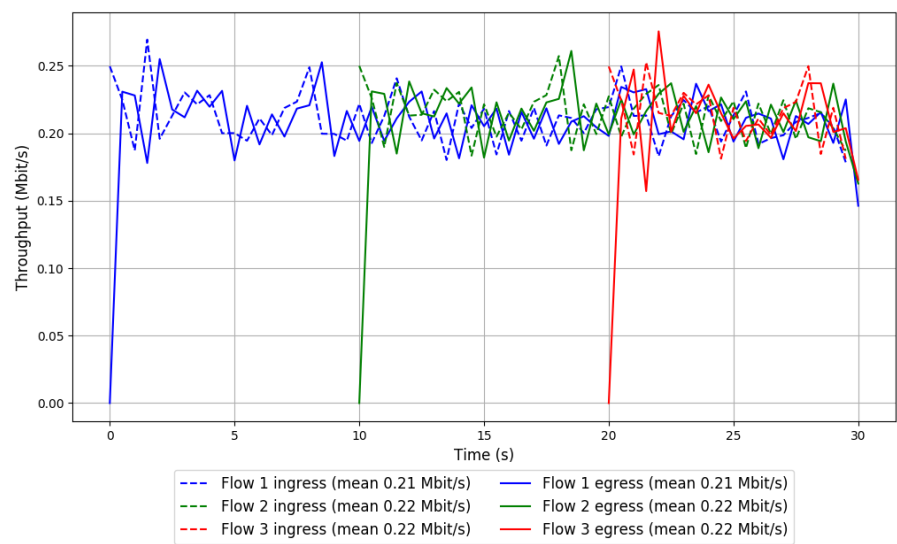


Run 5: Statistics of SReAM

Start at: 2018-07-02 05:41:50
End at: 2018-07-02 05:42:20
Local clock offset: -0.159 ms
Remote clock offset: -1.116 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.722 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.704 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.335 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.767 ms
Loss rate: 1.10%

Run 5: Report of SReAM — Data Link

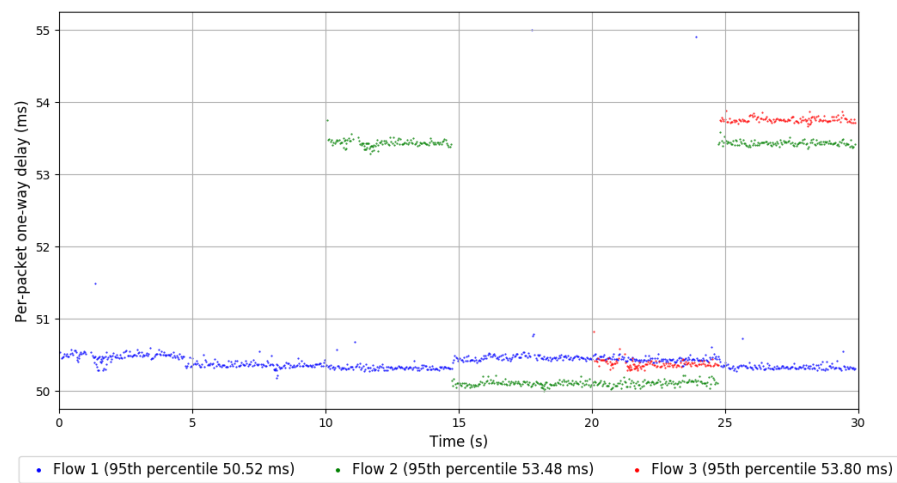
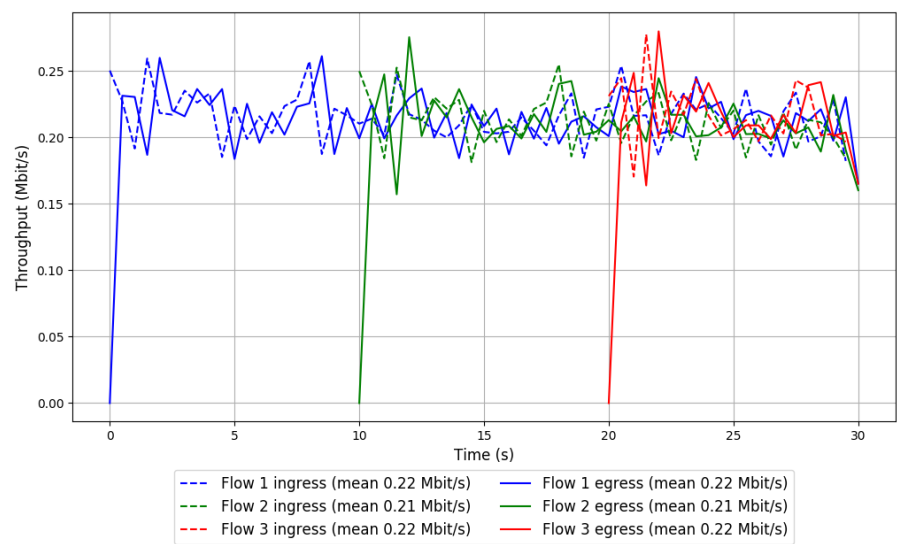


Run 6: Statistics of SReAM

Start at: 2018-07-02 06:05:43
End at: 2018-07-02 06:06:13
Local clock offset: -0.209 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.525 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.476 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.802 ms
Loss rate: 1.08%

Run 6: Report of SReAM — Data Link

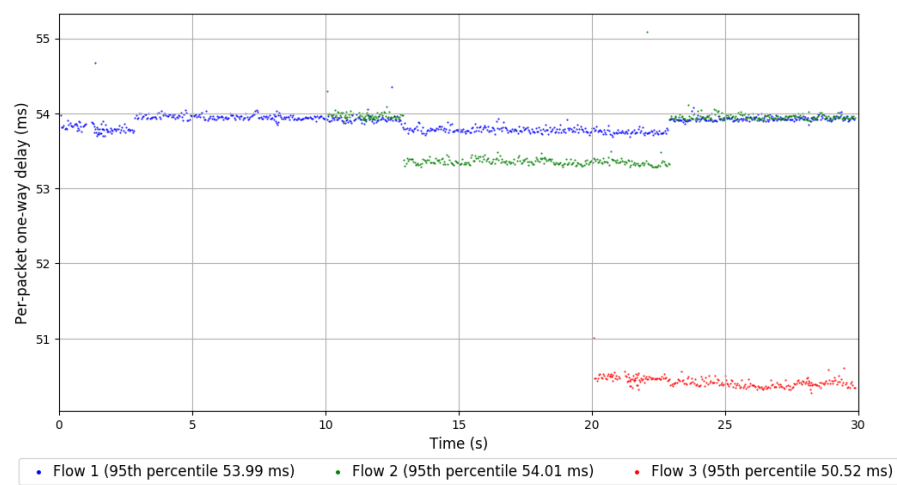
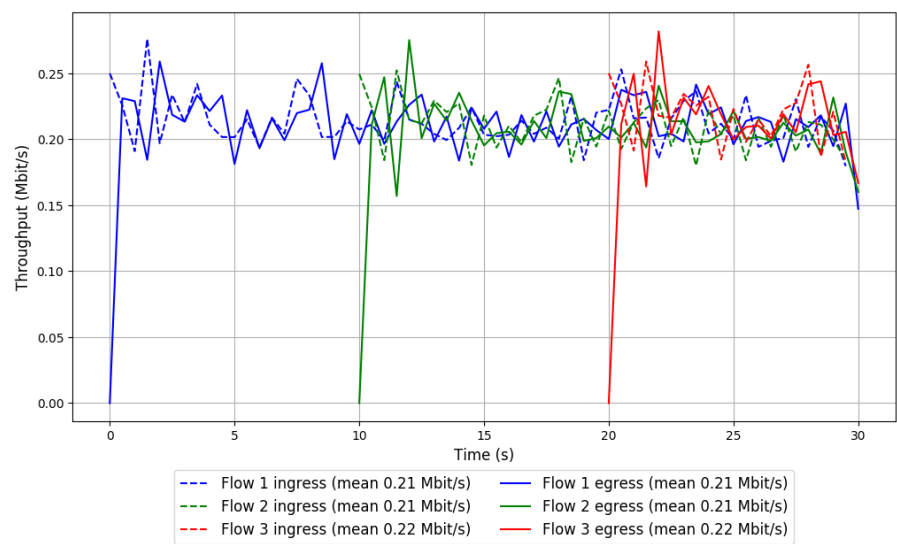


Run 7: Statistics of SReAM

Start at: 2018-07-02 06:29:45
End at: 2018-07-02 06:30:15
Local clock offset: -0.043 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.991 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.987 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.009 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.522 ms
Loss rate: 1.09%

Run 7: Report of SReAM — Data Link

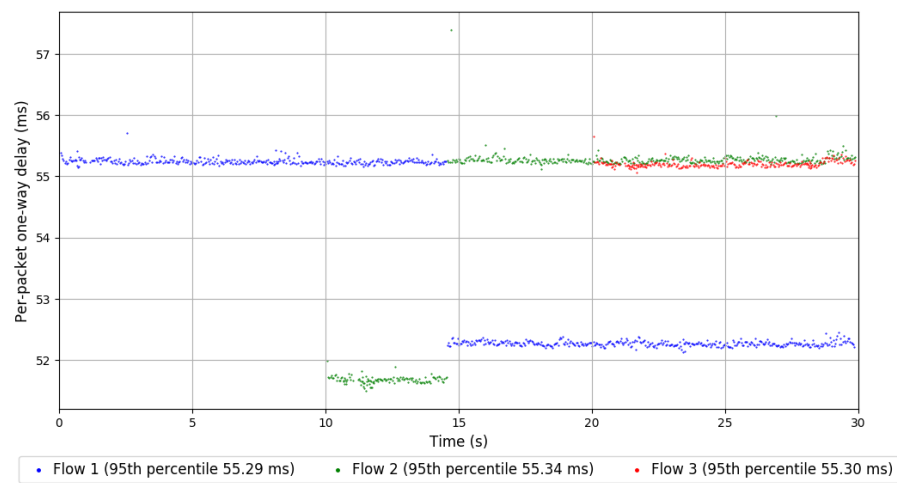
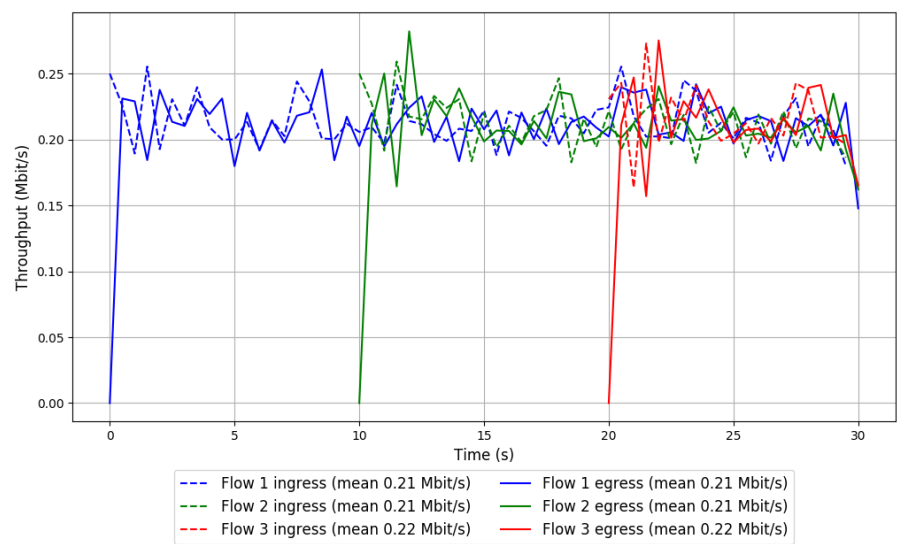


Run 8: Statistics of SReAM

Start at: 2018-07-02 06:53:54
End at: 2018-07-02 06:54:24
Local clock offset: -0.08 ms
Remote clock offset: -1.623 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 55.315 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.294 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.344 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.296 ms
Loss rate: 1.09%

Run 8: Report of SReAM — Data Link

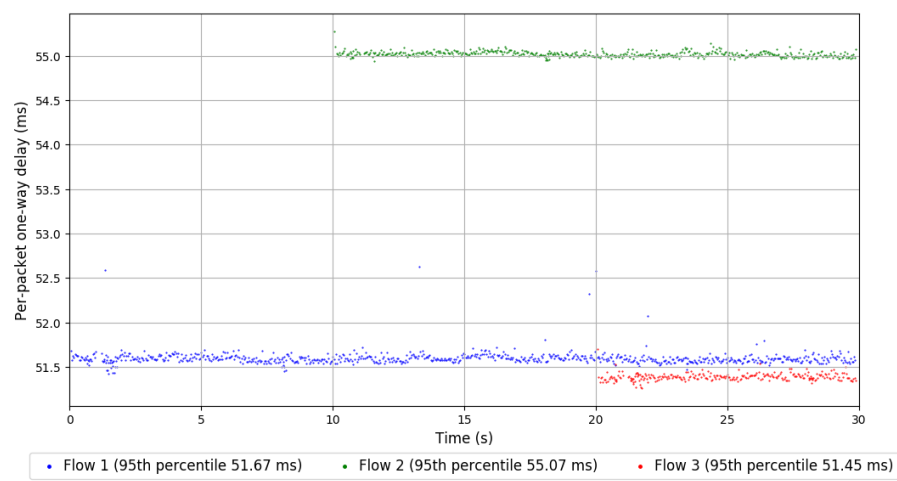
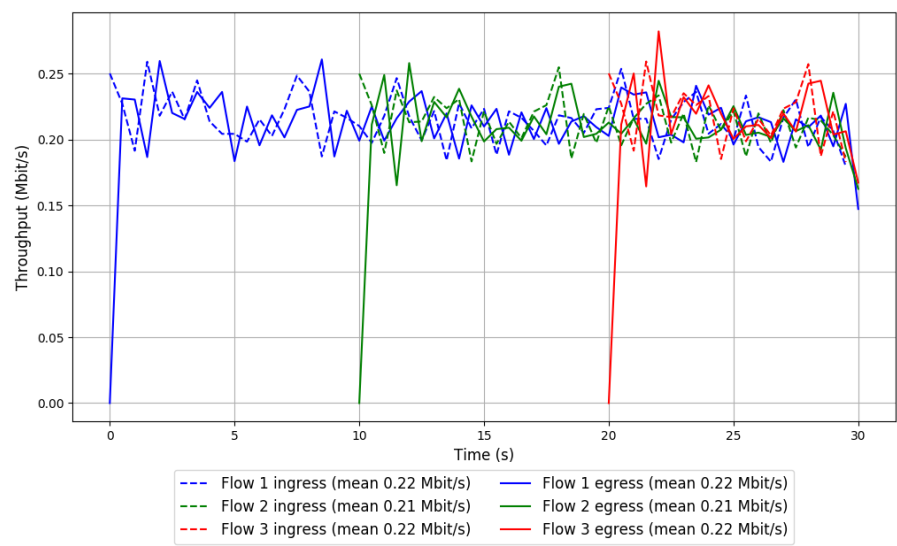


Run 9: Statistics of SReAM

Start at: 2018-07-02 07:17:46
End at: 2018-07-02 07:18:16
Local clock offset: -0.071 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 55.049 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.668 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.073 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.452 ms
Loss rate: 1.09%

Run 9: Report of SReAM — Data Link

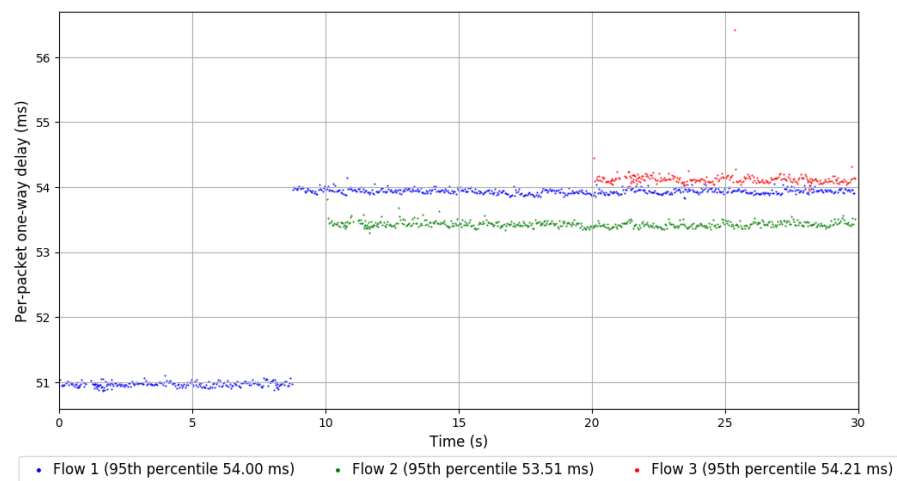
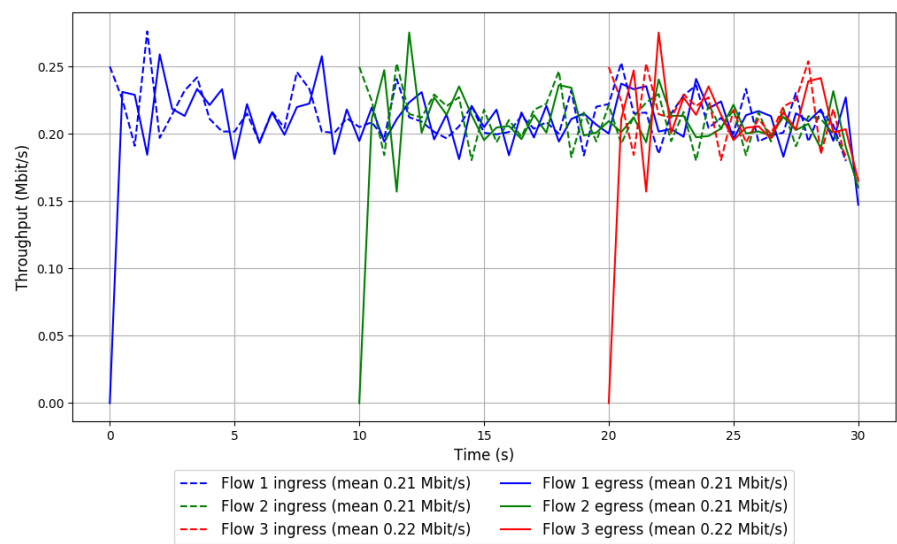


Run 10: Statistics of SReAM

Start at: 2018-07-02 07:41:39
End at: 2018-07-02 07:42:09
Local clock offset: -0.043 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.142 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.998 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.506 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.207 ms
Loss rate: 1.09%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-02 04:20:06

End at: 2018-07-02 04:20:36

Local clock offset: 0.063 ms

Remote clock offset: 0.952 ms

Below is generated by plot.py at 2018-07-02 10:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.18 Mbit/s

95th percentile per-packet one-way delay: 54.112 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 54.110 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 5.79 Mbit/s

95th percentile per-packet one-way delay: 54.218 ms

Loss rate: 0.80%

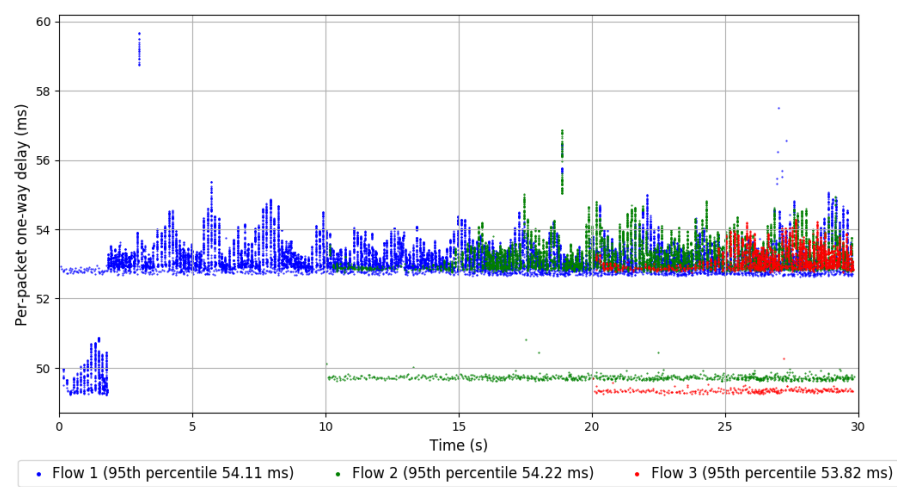
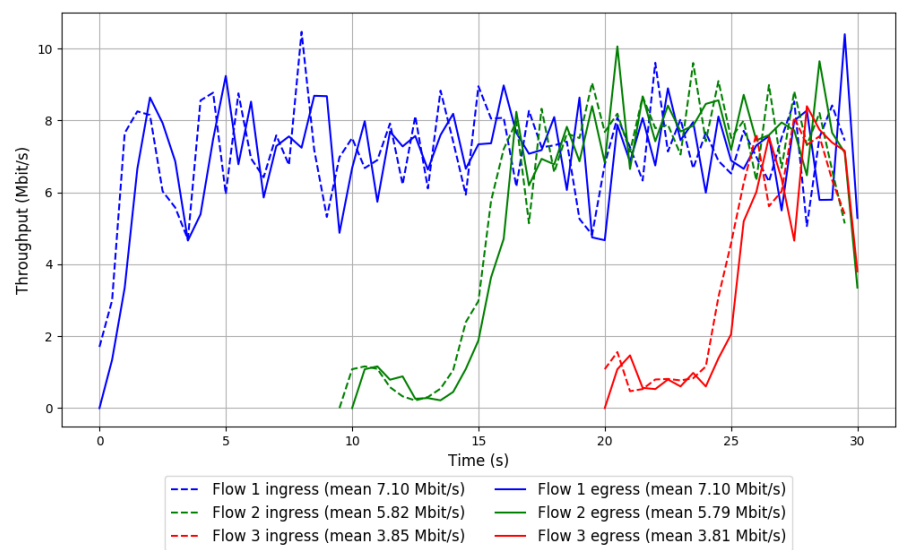
-- Flow 3:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 53.820 ms

Loss rate: 2.09%

Run 1: Report of Sprout — Data Link

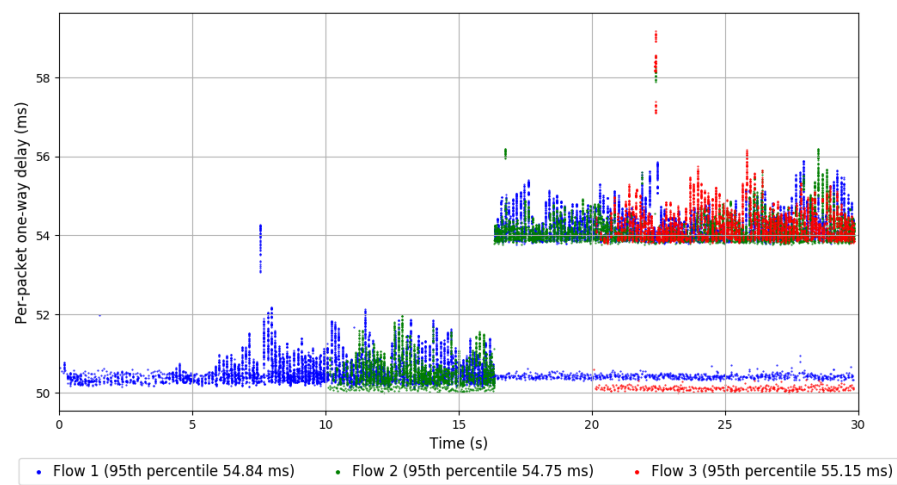
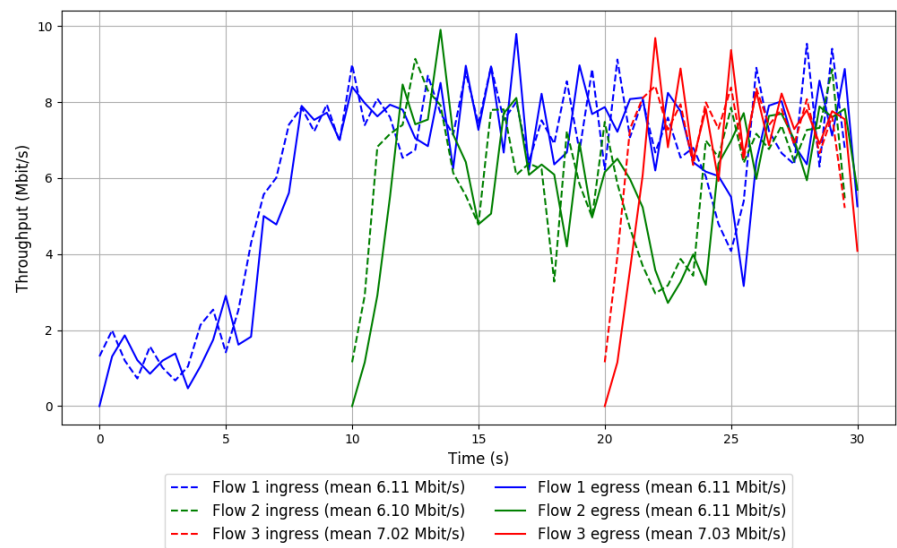


Run 2: Statistics of Sprout

Start at: 2018-07-02 04:43:42
End at: 2018-07-02 04:44:12
Local clock offset: 0.01 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 54.903 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 54.840 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 54.751 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 55.145 ms
Loss rate: 1.13%

Run 2: Report of Sprout — Data Link

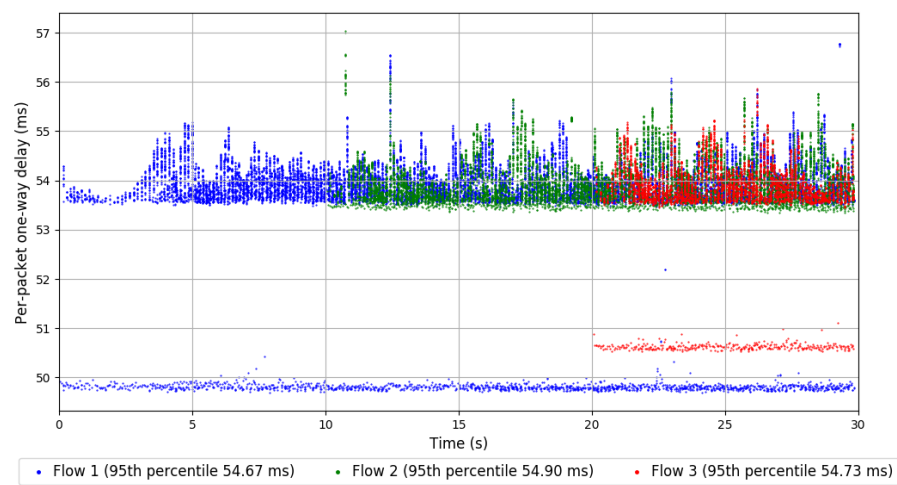
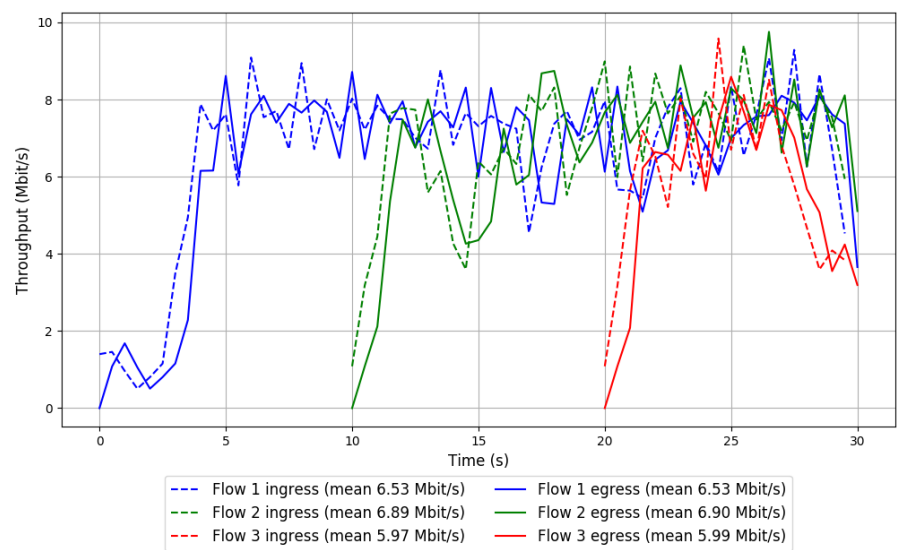


Run 3: Statistics of Sprout

Start at: 2018-07-02 05:07:35
End at: 2018-07-02 05:08:05
Local clock offset: -0.148 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 54.759 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 54.672 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 54.901 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 54.726 ms
Loss rate: 0.91%

Run 3: Report of Sprout — Data Link

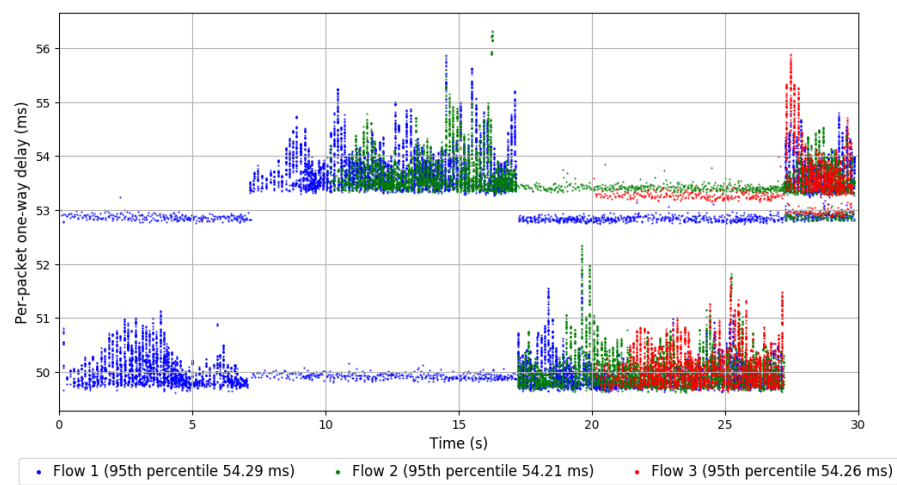
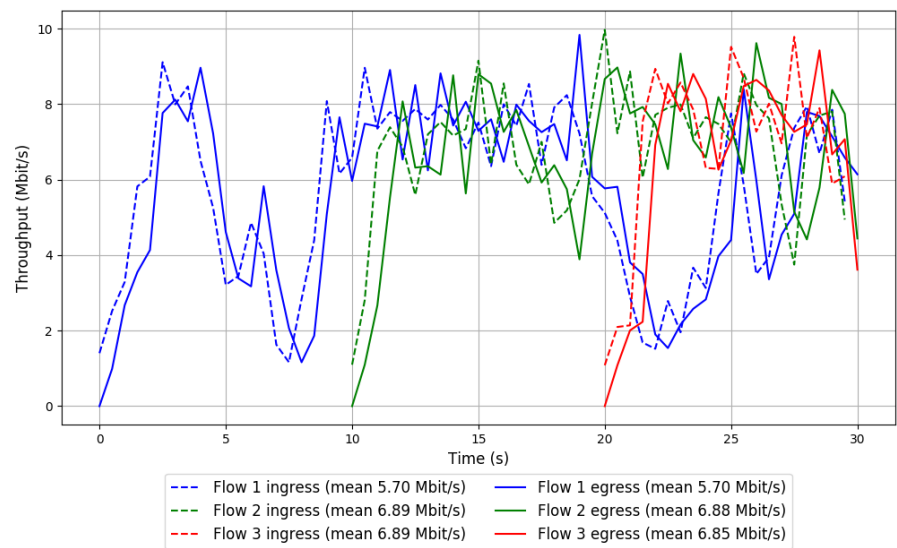


Run 4: Statistics of Sprout

Start at: 2018-07-02 05:31:11
End at: 2018-07-02 05:31:41
Local clock offset: -0.342 ms
Remote clock offset: 0.02 ms

```
# Below is generated by plot.py at 2018-07-02 10:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 54.265 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 54.288 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 54.213 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 54.258 ms
Loss rate: 1.86%
```

Run 4: Report of Sprout — Data Link

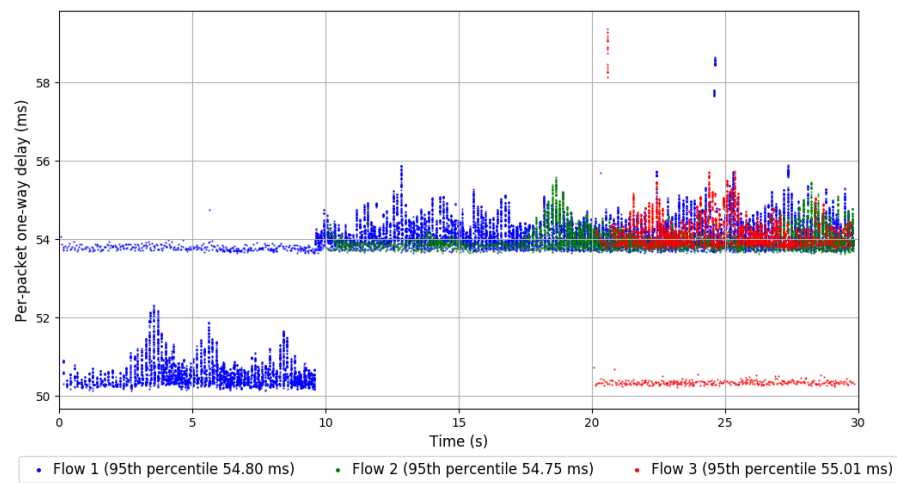
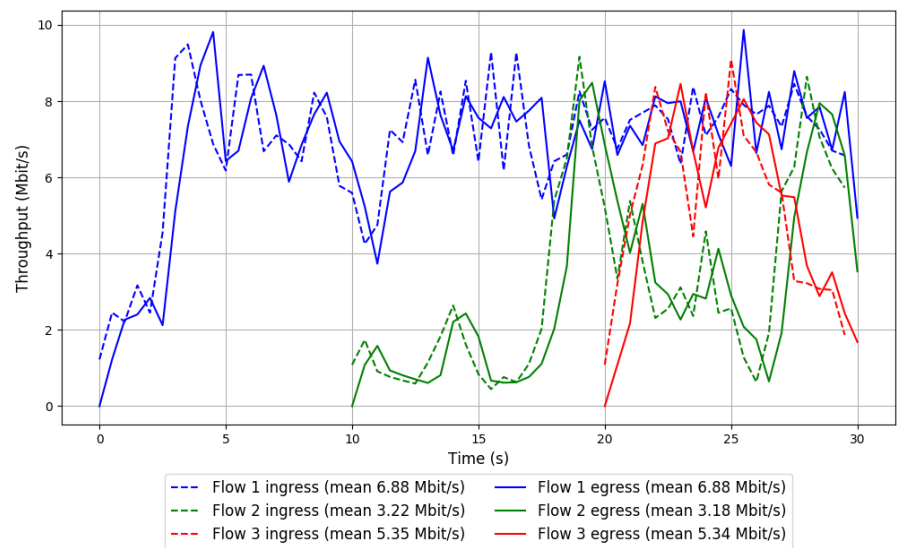


Run 5: Statistics of Sprout

Start at: 2018-07-02 05:54:49
End at: 2018-07-02 05:55:19
Local clock offset: 0.032 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 54.832 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 54.803 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 54.748 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 55.013 ms
Loss rate: 0.89%

Run 5: Report of Sprout — Data Link

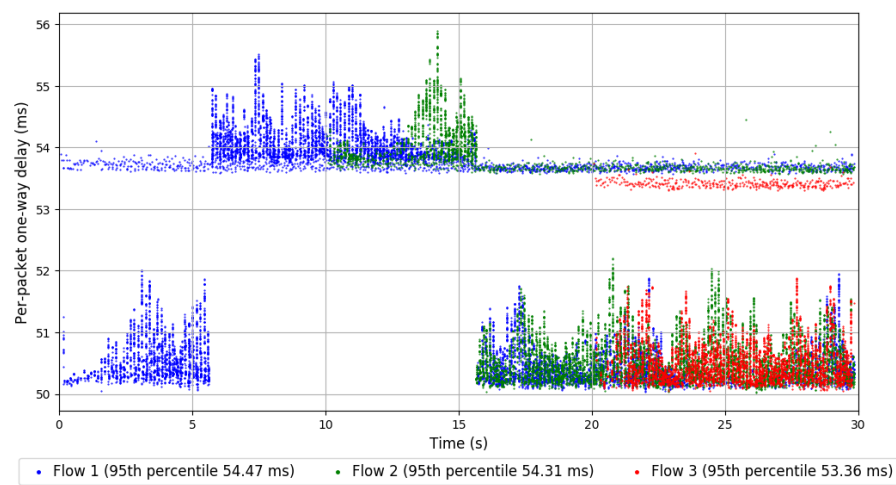
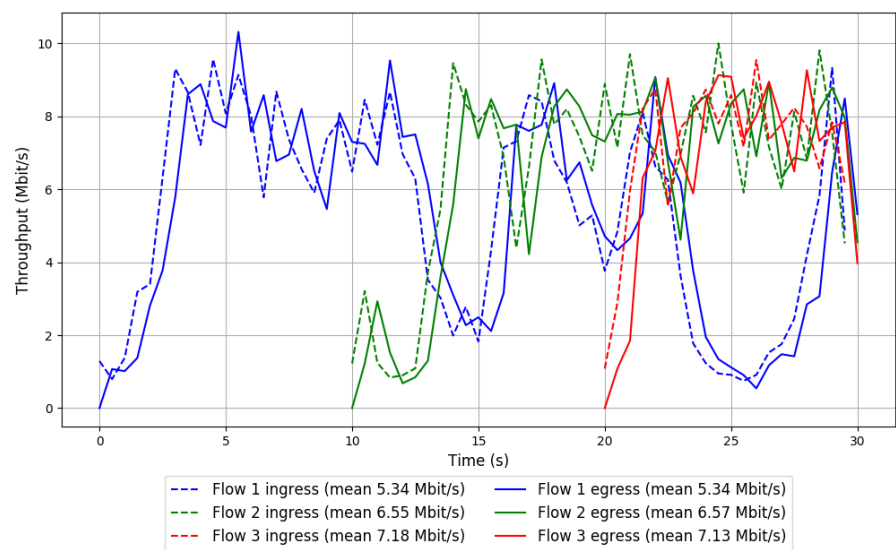


Run 6: Statistics of Sprout

Start at: 2018-07-02 06:18:53
End at: 2018-07-02 06:19:23
Local clock offset: -0.123 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 54.330 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 54.471 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 54.311 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 53.364 ms
Loss rate: 1.55%

Run 6: Report of Sprout — Data Link

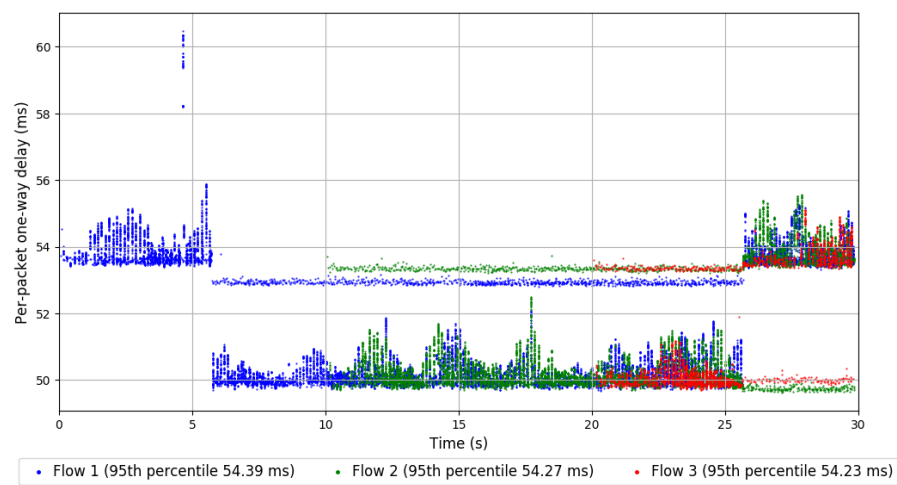
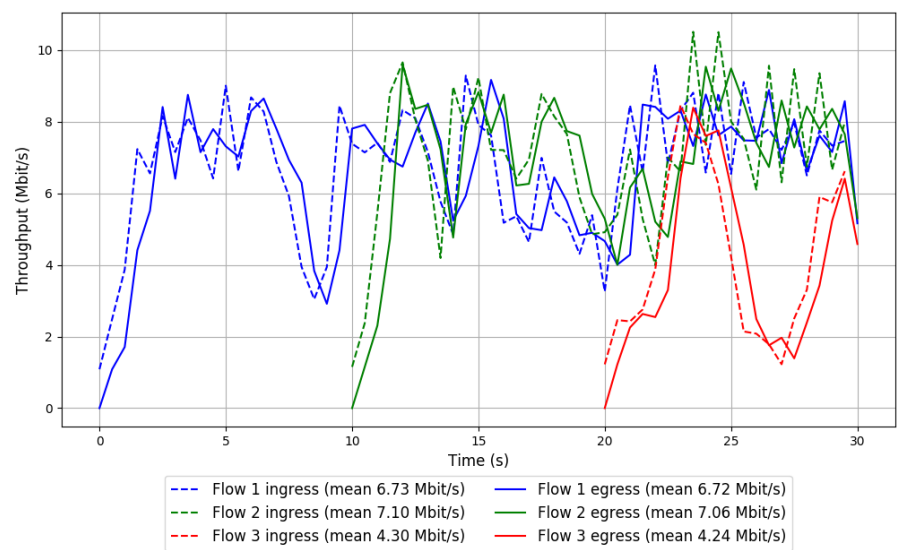


Run 7: Statistics of Sprout

Start at: 2018-07-02 06:43:02
End at: 2018-07-02 06:43:32
Local clock offset: -0.277 ms
Remote clock offset: -0.036 ms

```
# Below is generated by plot.py at 2018-07-02 10:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 54.328 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 54.386 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 54.272 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 54.232 ms
Loss rate: 2.41%
```


Run 7: Report of Sprout — Data Link

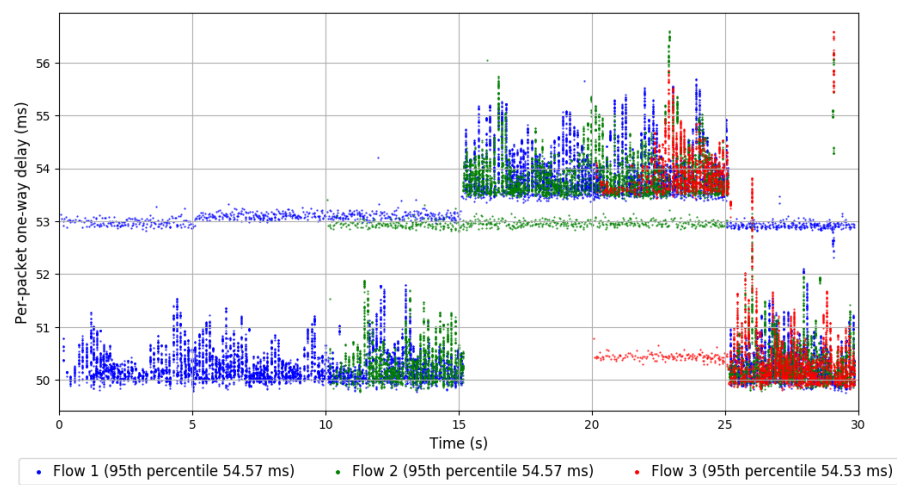
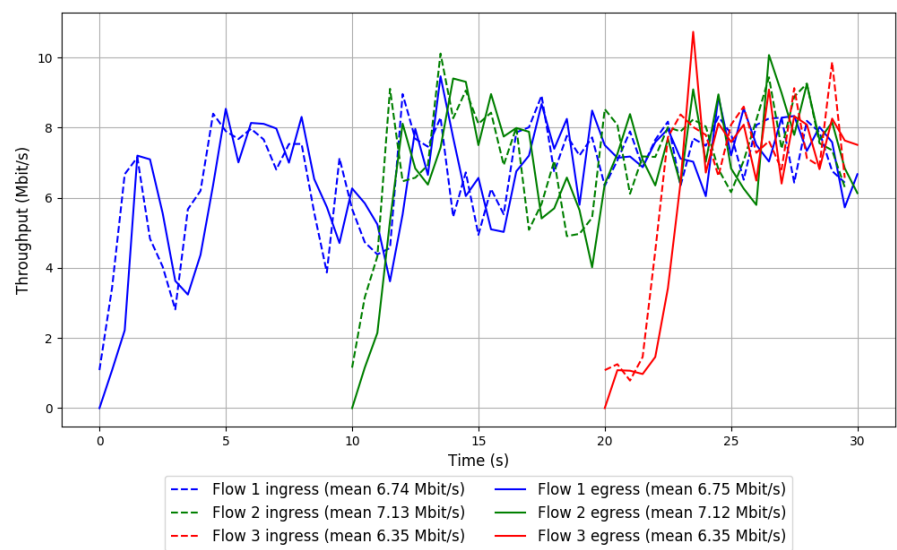


Run 8: Statistics of Sprout

Start at: 2018-07-02 07:06:53
End at: 2018-07-02 07:07:23
Local clock offset: -0.261 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-02 10:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 54.563 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 54.571 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 54.570 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 54.528 ms
Loss rate: 1.03%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-02 07:31:06

End at: 2018-07-02 07:31:36

Local clock offset: -0.277 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-02 10:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.68 Mbit/s

95th percentile per-packet one-way delay: 54.280 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 54.391 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 54.172 ms

Loss rate: 0.54%

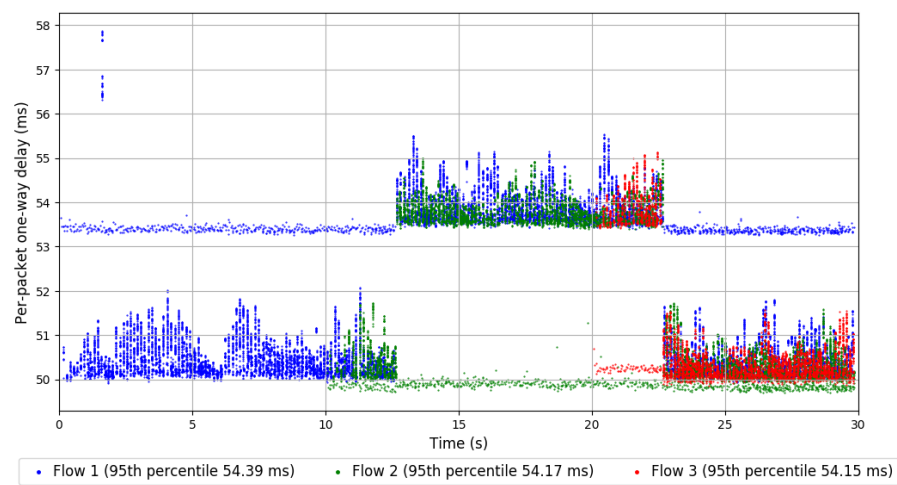
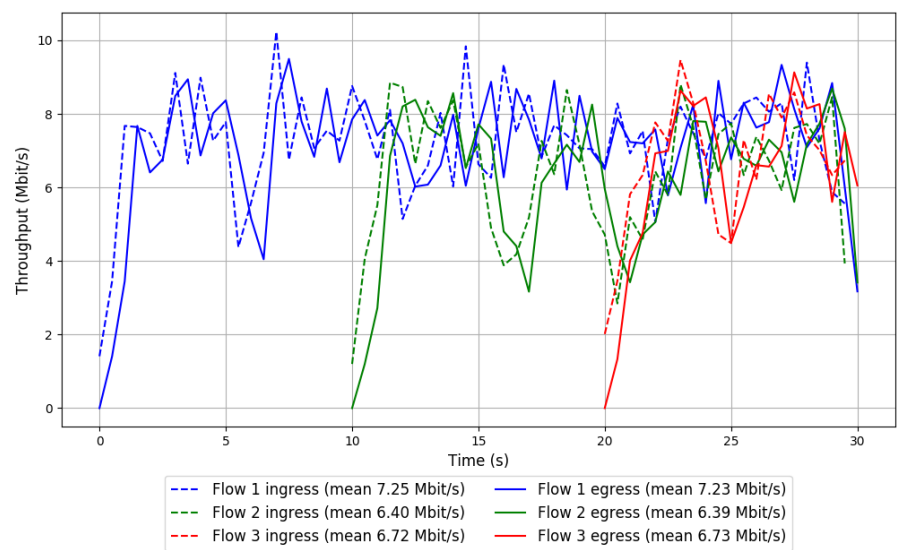
-- Flow 3:

Average throughput: 6.73 Mbit/s

95th percentile per-packet one-way delay: 54.147 ms

Loss rate: 0.77%

Run 9: Report of Sprout — Data Link

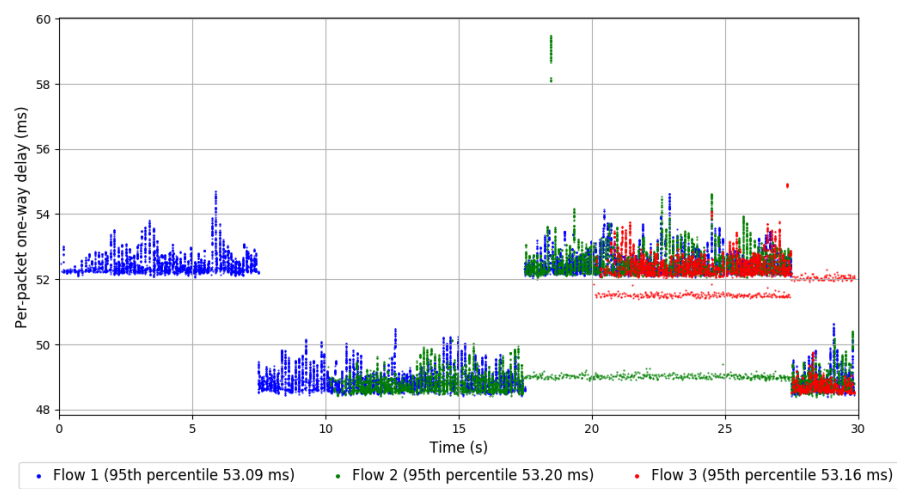
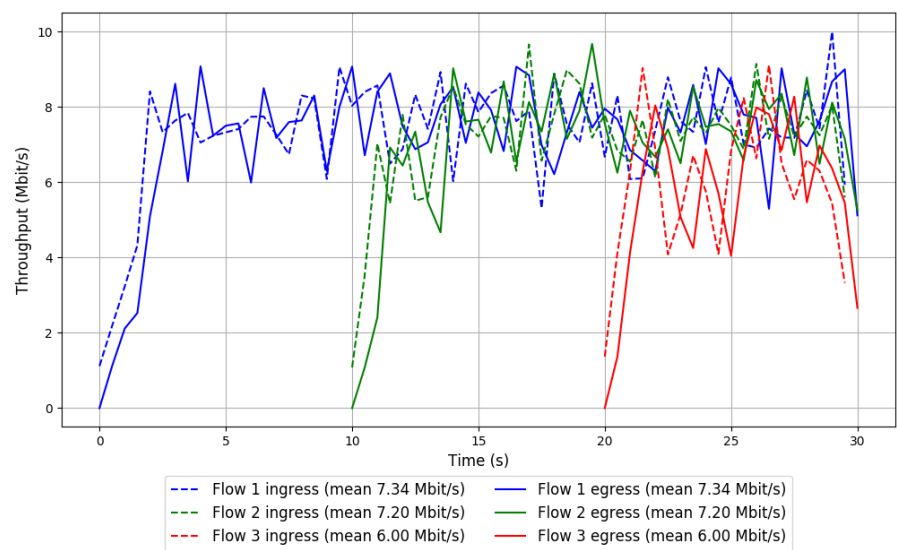


Run 10: Statistics of Sprout

Start at: 2018-07-02 07:55:01
End at: 2018-07-02 07:55:31
Local clock offset: -0.383 ms
Remote clock offset: 1.239 ms

```
# Below is generated by plot.py at 2018-07-02 10:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 53.134 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 53.093 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 53.195 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 6.00 Mbit/s
95th percentile per-packet one-way delay: 53.155 ms
Loss rate: 0.71%
```

Run 10: Report of Sprout — Data Link

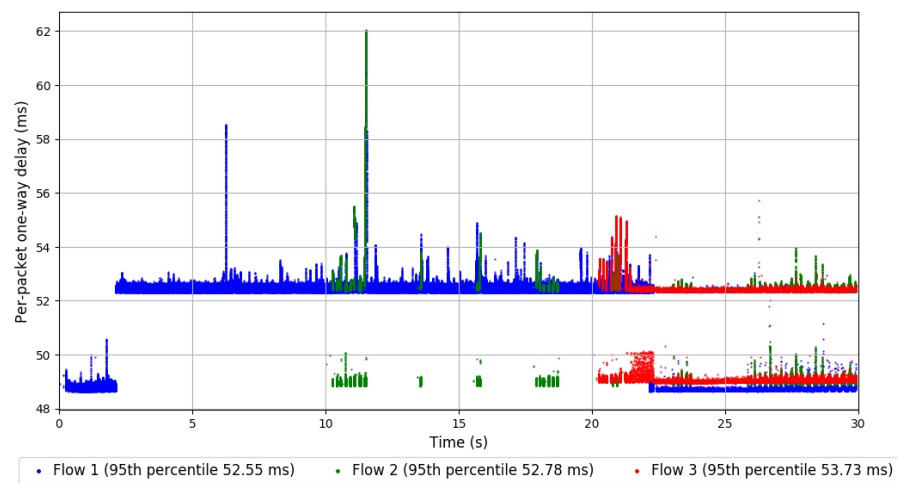
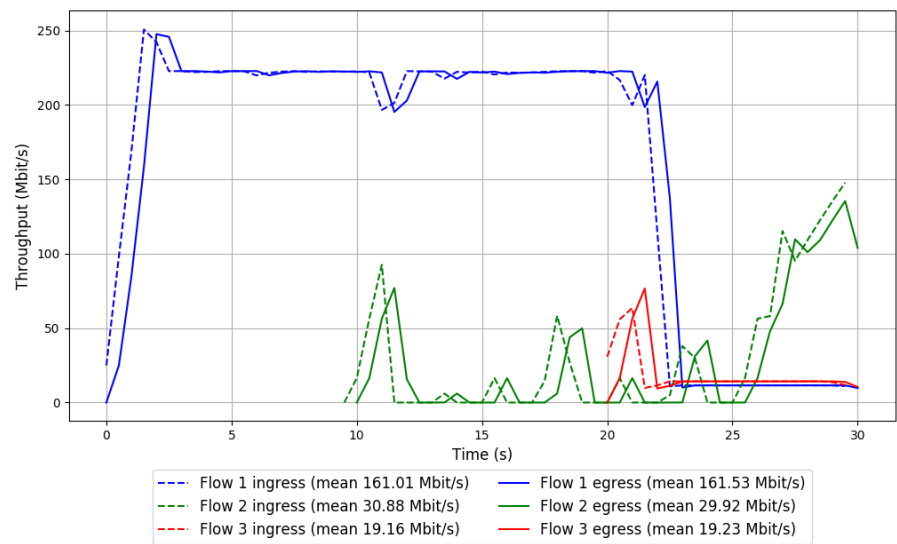


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-02 04:17:16
End at: 2018-07-02 04:17:46
Local clock offset: -0.105 ms
Remote clock offset: 1.191 ms

# Below is generated by plot.py at 2018-07-02 10:05:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 187.78 Mbit/s
95th percentile per-packet one-way delay: 52.570 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 161.53 Mbit/s
95th percentile per-packet one-way delay: 52.555 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 52.785 ms
Loss rate: 3.56%
-- Flow 3:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 53.731 ms
Loss rate: 0.68%
```


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

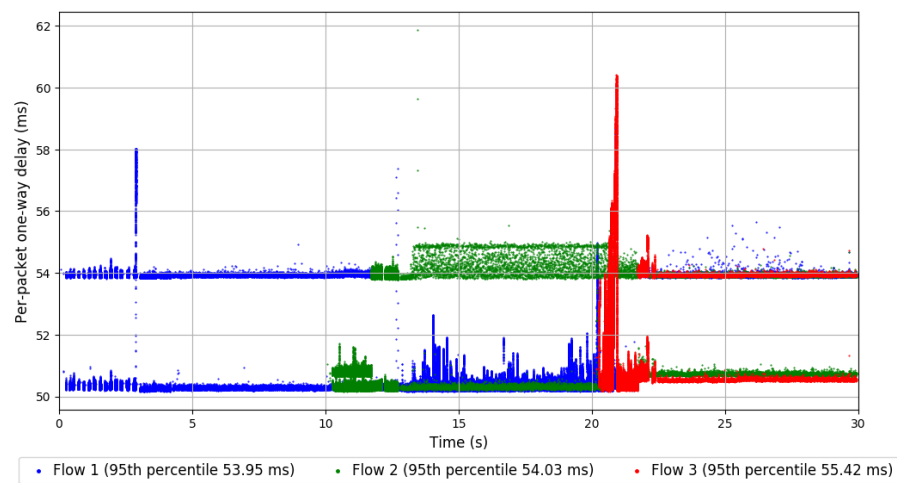
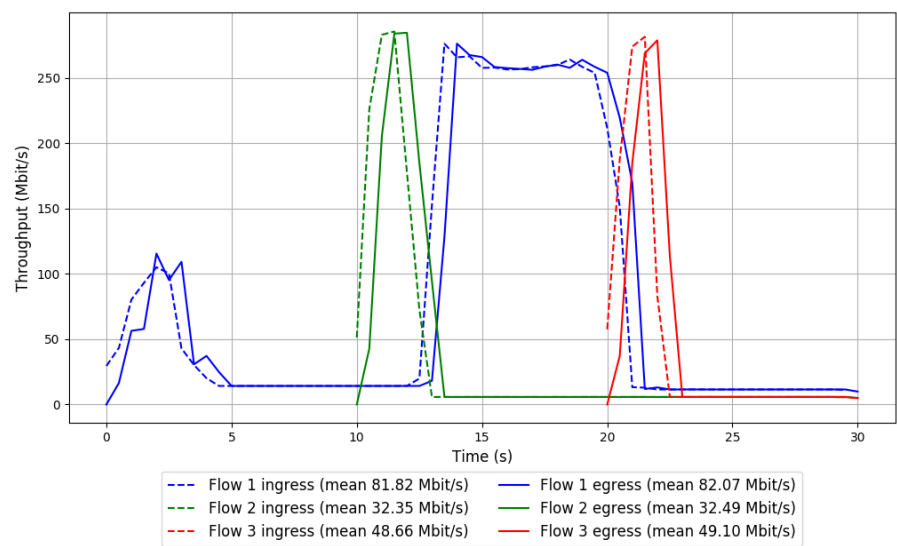


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-02 04:40:56
End at: 2018-07-02 04:41:27
Local clock offset: 0.218 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-02 10:05:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.90 Mbit/s
95th percentile per-packet one-way delay: 53.996 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 82.07 Mbit/s
95th percentile per-packet one-way delay: 53.948 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 54.035 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 49.10 Mbit/s
95th percentile per-packet one-way delay: 55.419 ms
Loss rate: 0.13%

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

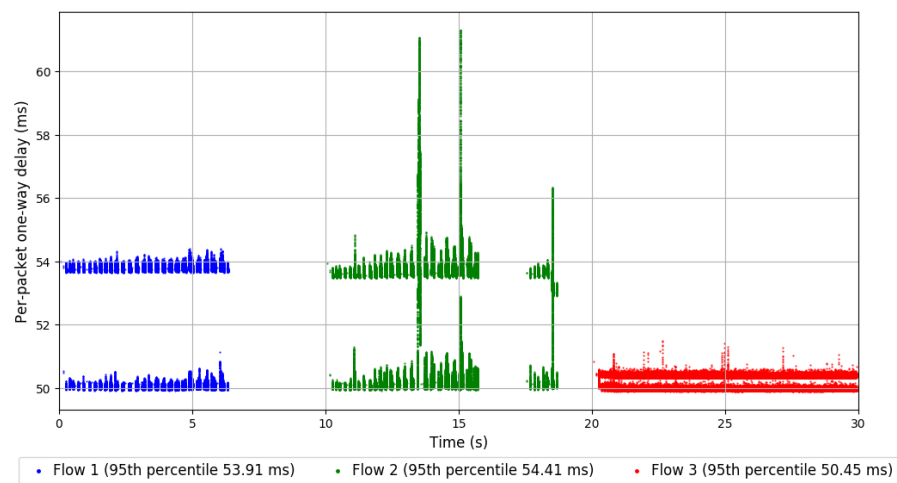
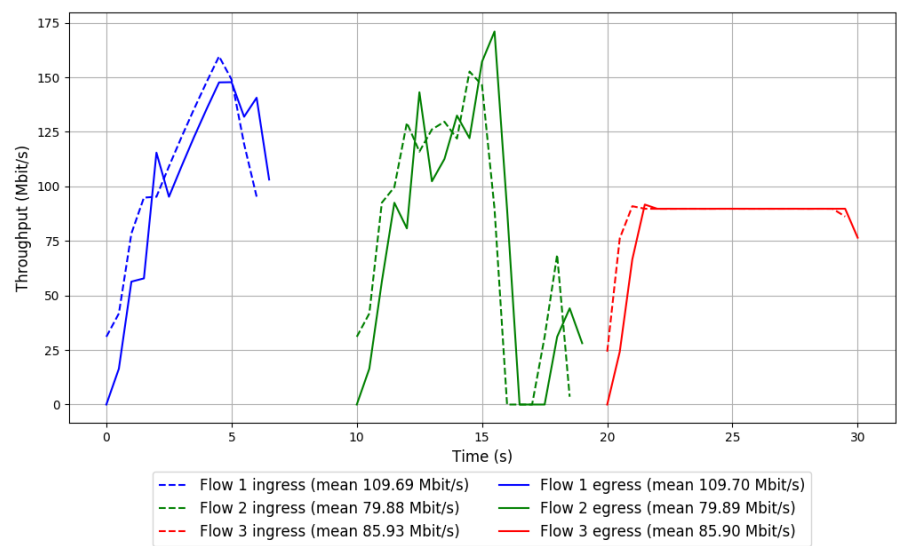


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-02 05:04:55
End at: 2018-07-02 05:05:25
Local clock offset: 0.019 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-02 10:05:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.56 Mbit/s
95th percentile per-packet one-way delay: 53.915 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 109.70 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 54.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 50.448 ms
Loss rate: 1.09%

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

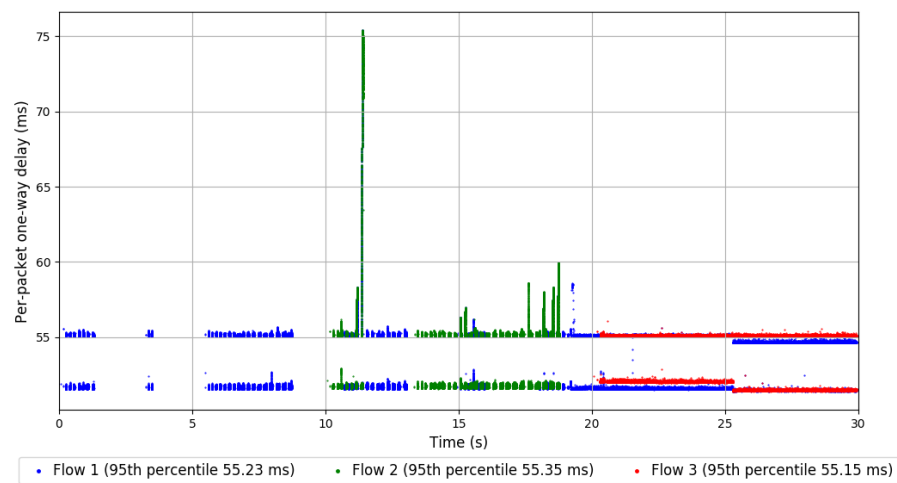
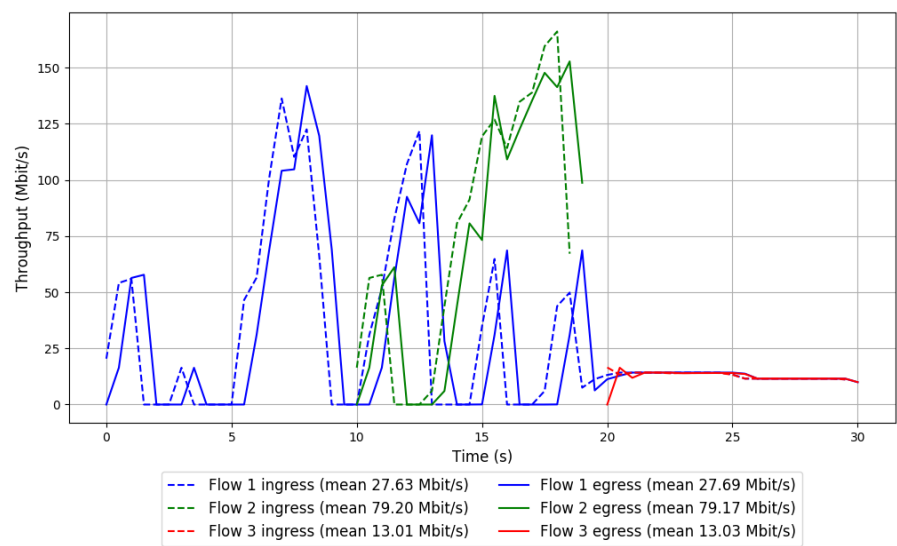


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-02 05:28:33
End at: 2018-07-02 05:29:03
Local clock offset: -0.079 ms
Remote clock offset: -1.524 ms

Below is generated by plot.py at 2018-07-02 10:05:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 55.246 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 55.225 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 55.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 55.147 ms
Loss rate: 0.92%

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

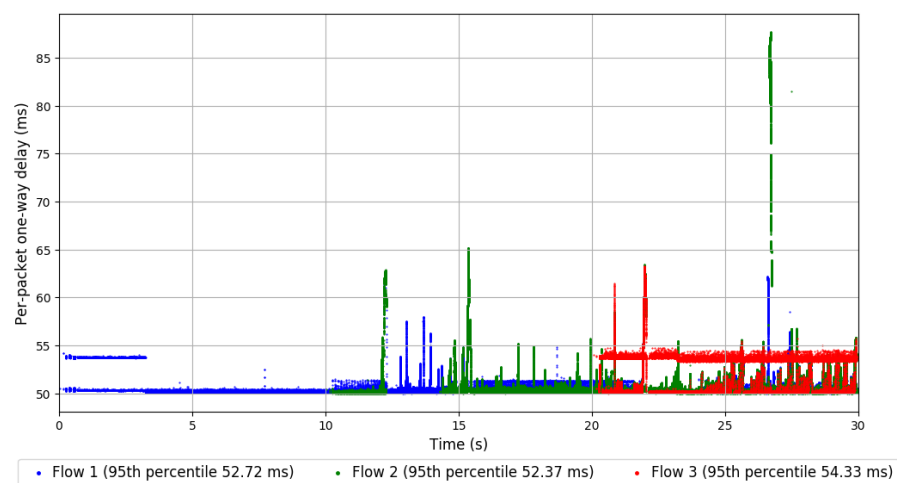
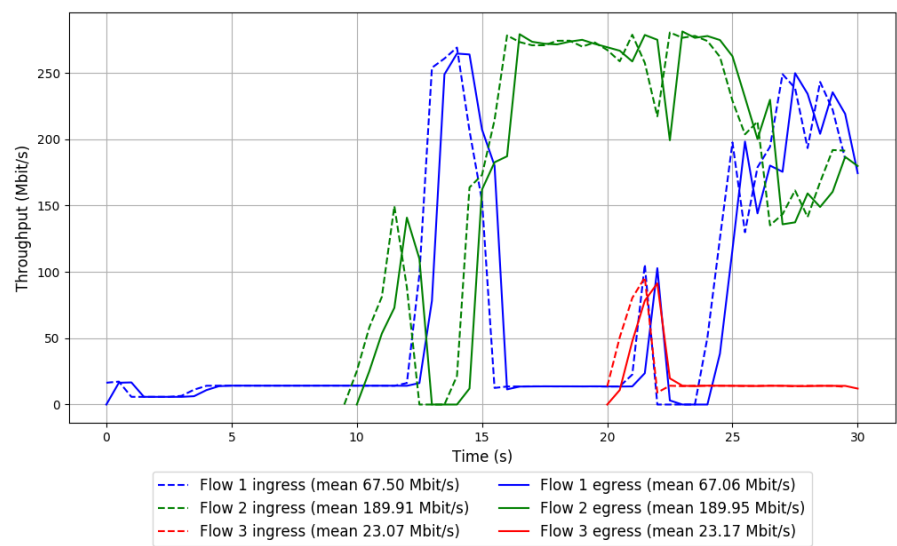


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-02 05:51:55
End at: 2018-07-02 05:52:25
Local clock offset: -0.147 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-07-02 10:05:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 201.09 Mbit/s
95th percentile per-packet one-way delay: 53.463 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 67.06 Mbit/s
95th percentile per-packet one-way delay: 52.721 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 189.95 Mbit/s
95th percentile per-packet one-way delay: 52.370 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 54.333 ms
Loss rate: 0.59%

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

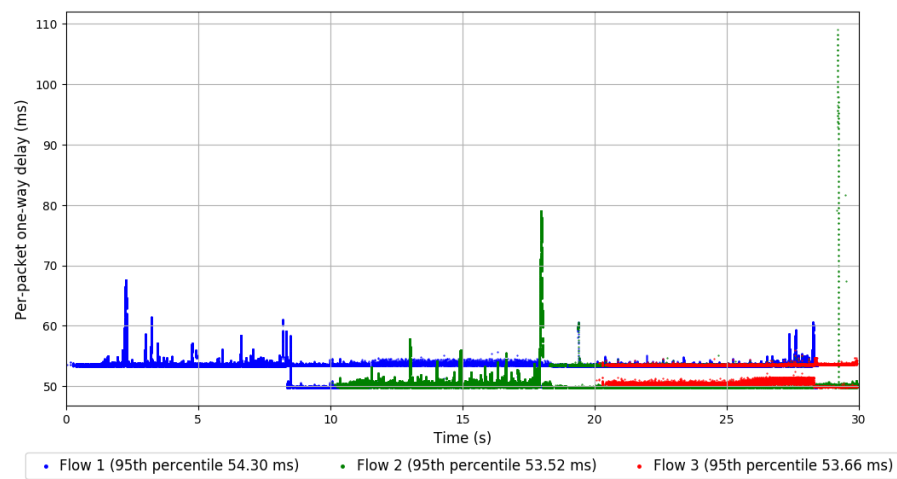
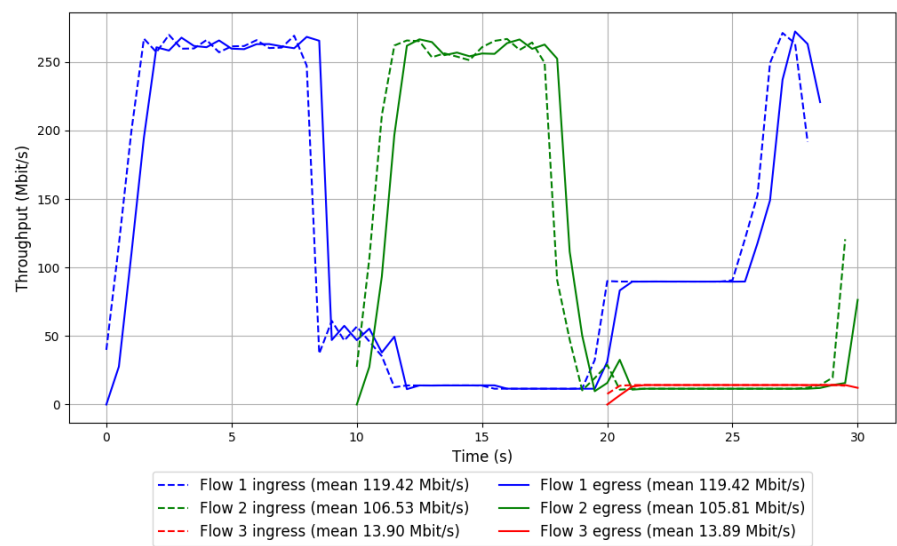


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-02 06:16:00
End at: 2018-07-02 06:16:30
Local clock offset: -0.253 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-02 10:05:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.33 Mbit/s
95th percentile per-packet one-way delay: 53.947 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 119.42 Mbit/s
95th percentile per-packet one-way delay: 54.296 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 105.81 Mbit/s
95th percentile per-packet one-way delay: 53.517 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 53.661 ms
Loss rate: 1.07%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-02 06:39:57

End at: 2018-07-02 06:40:27

Local clock offset: -0.235 ms

Remote clock offset: 1.294 ms

Below is generated by plot.py at 2018-07-02 10:10:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.21 Mbit/s

95th percentile per-packet one-way delay: 60.420 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 182.30 Mbit/s

95th percentile per-packet one-way delay: 60.200 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 151.43 Mbit/s

95th percentile per-packet one-way delay: 60.922 ms

Loss rate: 0.32%

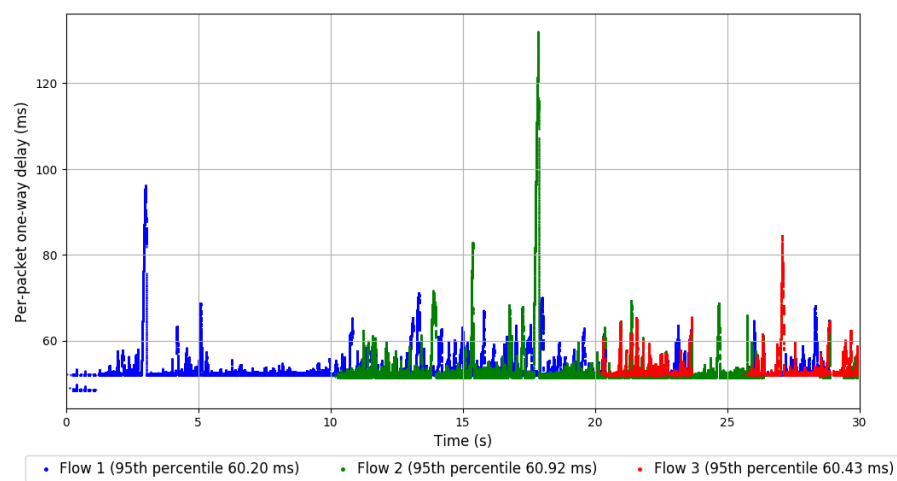
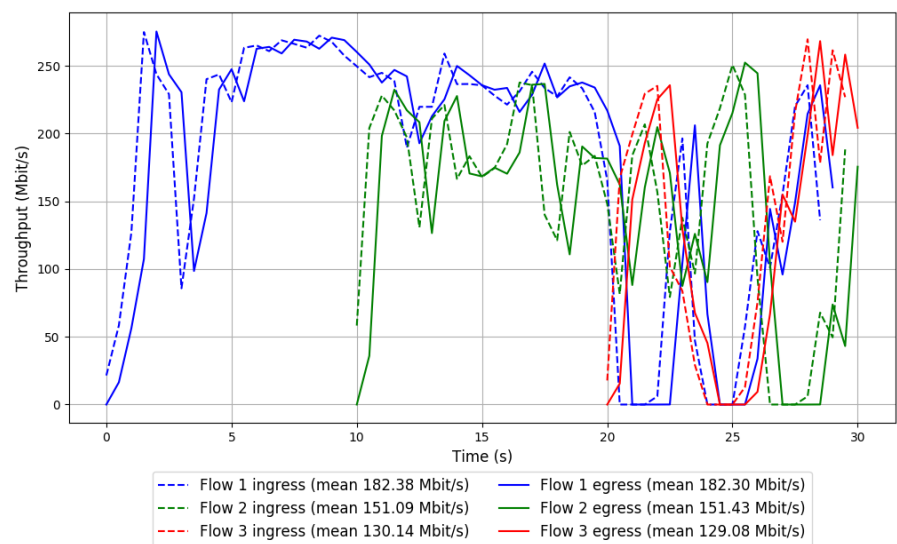
-- Flow 3:

Average throughput: 129.08 Mbit/s

95th percentile per-packet one-way delay: 60.429 ms

Loss rate: 1.90%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-02 07:04:08

End at: 2018-07-02 07:04:38

Local clock offset: -0.053 ms

Remote clock offset: 1.124 ms

Below is generated by plot.py at 2018-07-02 10:10:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.82 Mbit/s

95th percentile per-packet one-way delay: 54.410 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 61.38 Mbit/s

95th percentile per-packet one-way delay: 53.040 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.80 Mbit/s

95th percentile per-packet one-way delay: 52.583 ms

Loss rate: 0.36%

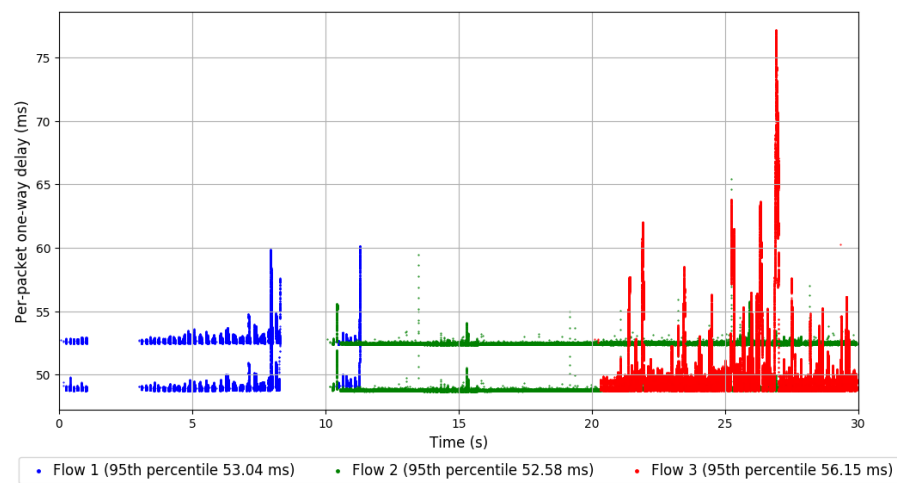
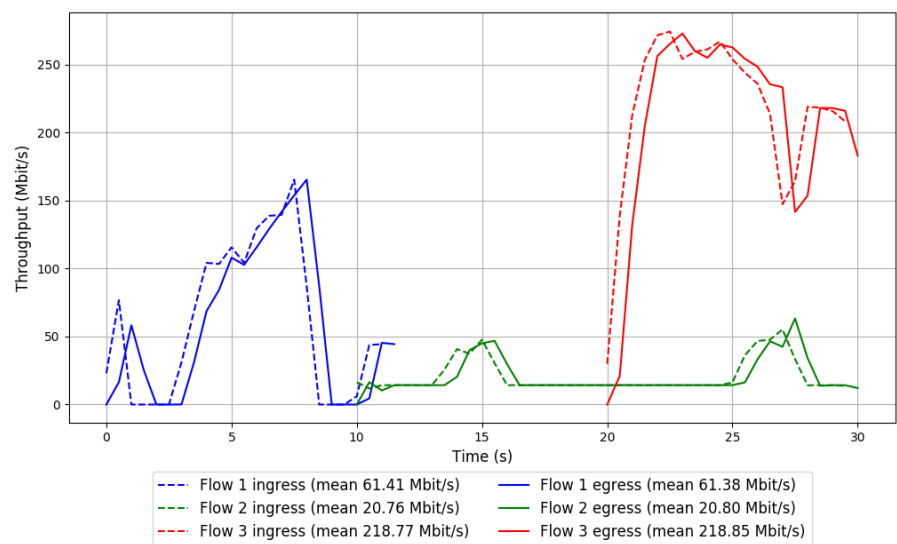
-- Flow 3:

Average throughput: 218.85 Mbit/s

95th percentile per-packet one-way delay: 56.149 ms

Loss rate: 1.08%

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

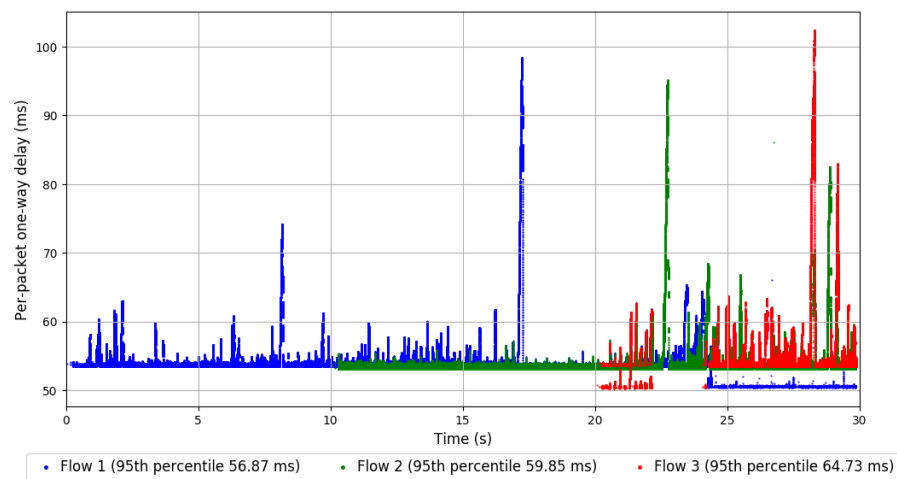
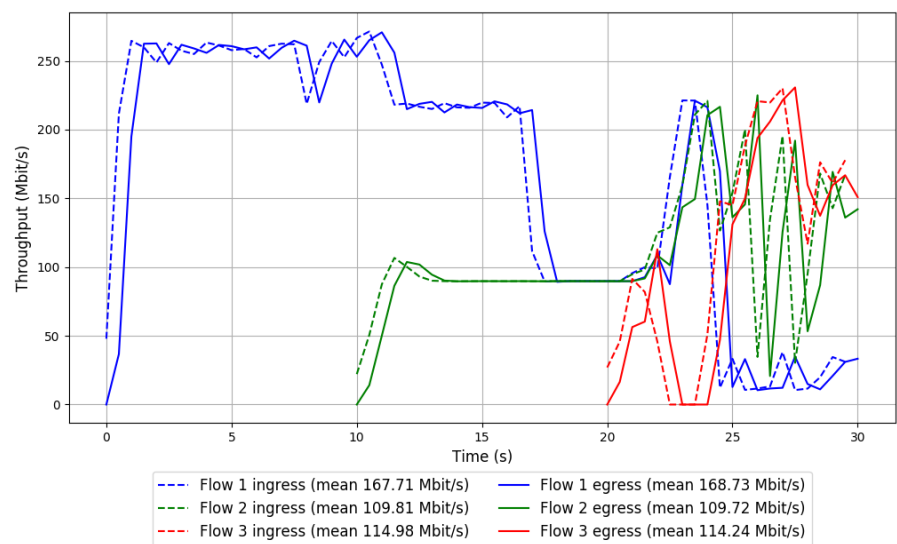


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-02 07:28:04
End at: 2018-07-02 07:28:34
Local clock offset: -0.129 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-02 10:11:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.82 Mbit/s
95th percentile per-packet one-way delay: 59.025 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 168.73 Mbit/s
95th percentile per-packet one-way delay: 56.867 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 109.72 Mbit/s
95th percentile per-packet one-way delay: 59.855 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 114.24 Mbit/s
95th percentile per-packet one-way delay: 64.728 ms
Loss rate: 2.01%

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

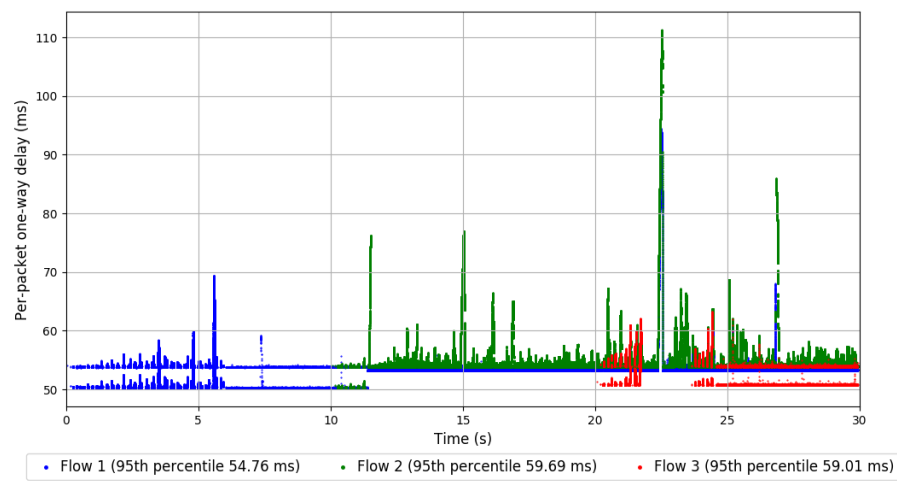
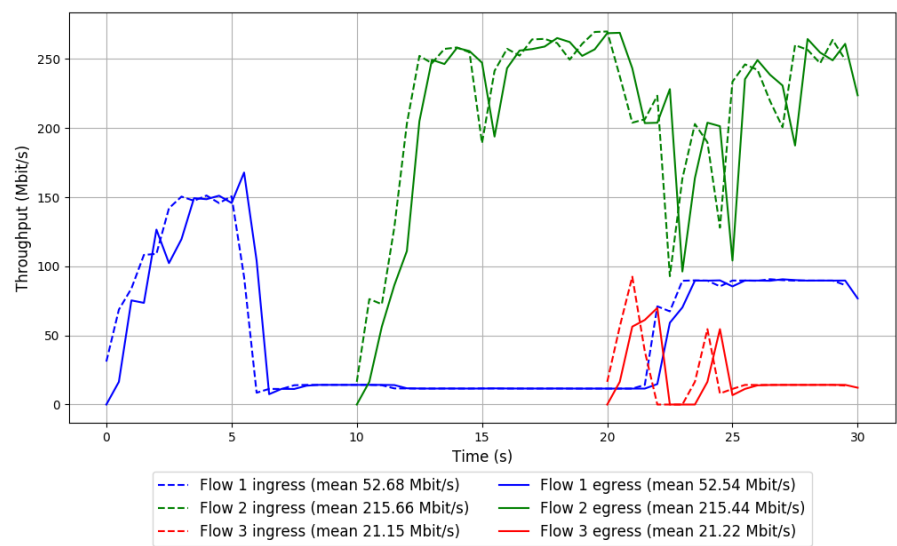


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-02 07:52:07
End at: 2018-07-02 07:52:37
Local clock offset: -0.072 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-07-02 10:11:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.80 Mbit/s
95th percentile per-packet one-way delay: 58.498 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 54.761 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 215.44 Mbit/s
95th percentile per-packet one-way delay: 59.689 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 59.007 ms
Loss rate: 0.72%

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

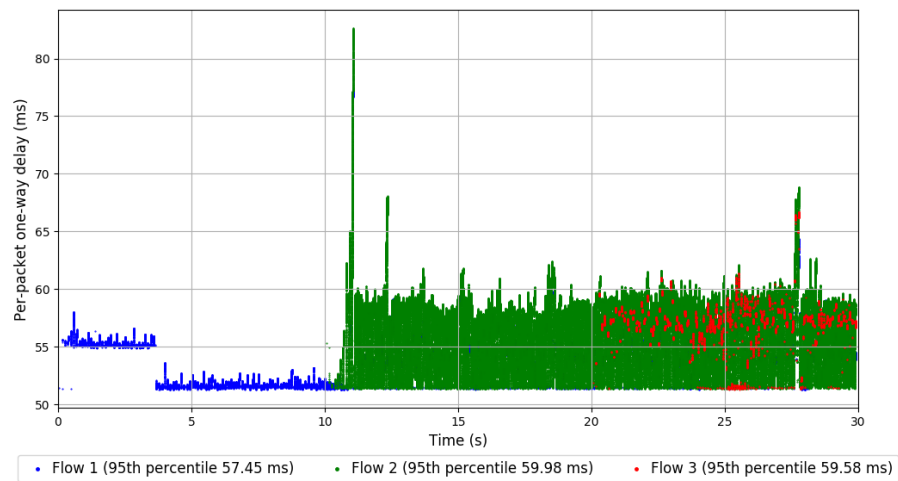
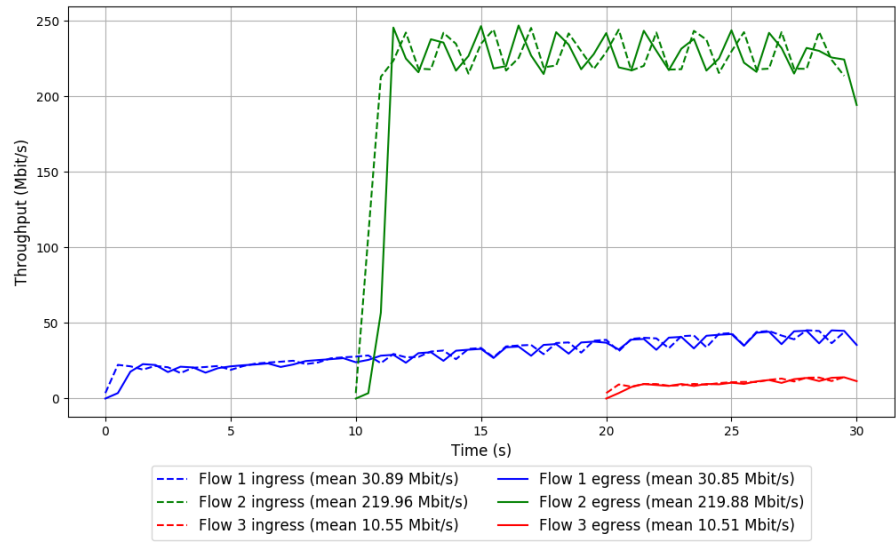


Run 1: Statistics of TCP Vegas

Start at: 2018-07-02 04:12:15
End at: 2018-07-02 04:12:45
Local clock offset: -0.217 ms
Remote clock offset: -1.444 ms

Below is generated by plot.py at 2018-07-02 10:11:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.34 Mbit/s
95th percentile per-packet one-way delay: 59.809 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 57.454 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 219.88 Mbit/s
95th percentile per-packet one-way delay: 59.975 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 59.579 ms
Loss rate: 1.36%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-02 04:35:47

End at: 2018-07-02 04:36:17

Local clock offset: 0.102 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-02 10:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 249.78 Mbit/s

95th percentile per-packet one-way delay: 55.743 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 55.645 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 177.06 Mbit/s

95th percentile per-packet one-way delay: 55.838 ms

Loss rate: 0.52%

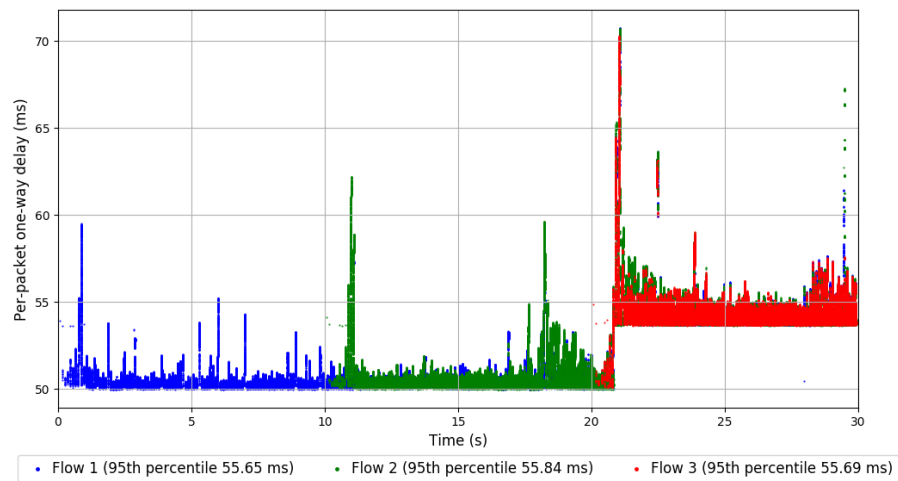
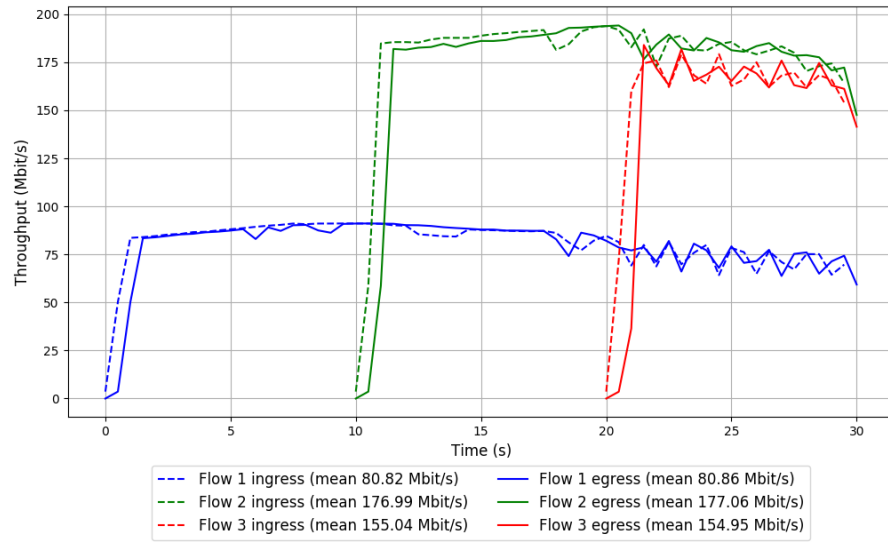
-- Flow 3:

Average throughput: 154.95 Mbit/s

95th percentile per-packet one-way delay: 55.689 ms

Loss rate: 1.14%

Run 2: Report of TCP Vegas — Data Link

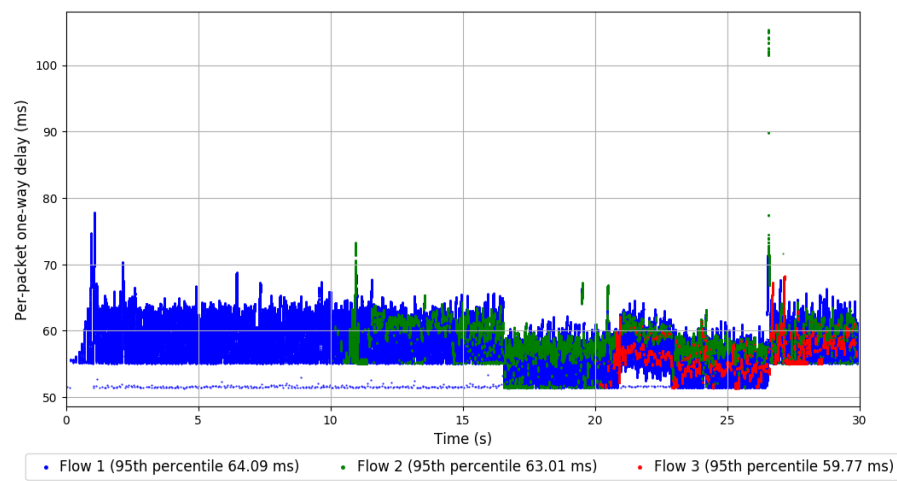
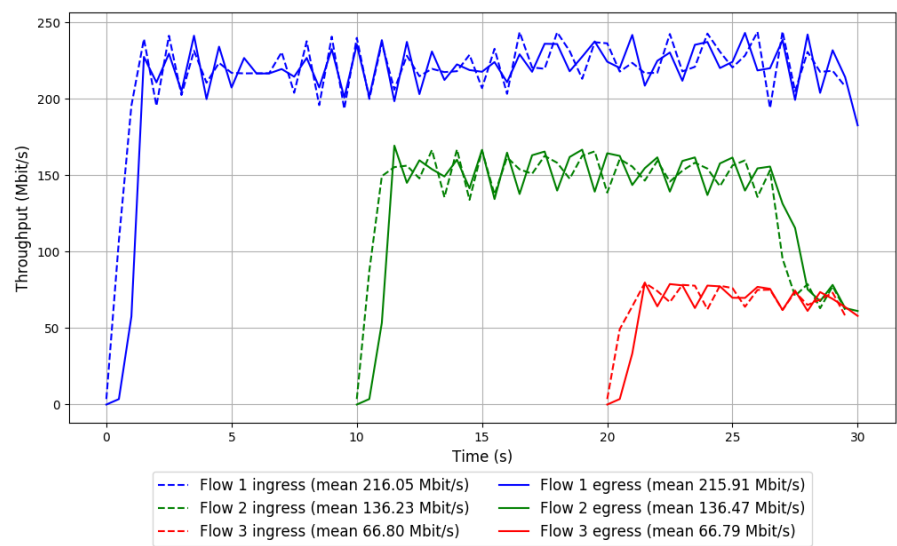


Run 3: Statistics of TCP Vegas

Start at: 2018-07-02 04:59:52
End at: 2018-07-02 05:00:22
Local clock offset: 0.106 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2018-07-02 10:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.56 Mbit/s
95th percentile per-packet one-way delay: 63.843 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 215.91 Mbit/s
95th percentile per-packet one-way delay: 64.091 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 136.47 Mbit/s
95th percentile per-packet one-way delay: 63.009 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 66.79 Mbit/s
95th percentile per-packet one-way delay: 59.771 ms
Loss rate: 1.09%

Run 3: Report of TCP Vegas — Data Link

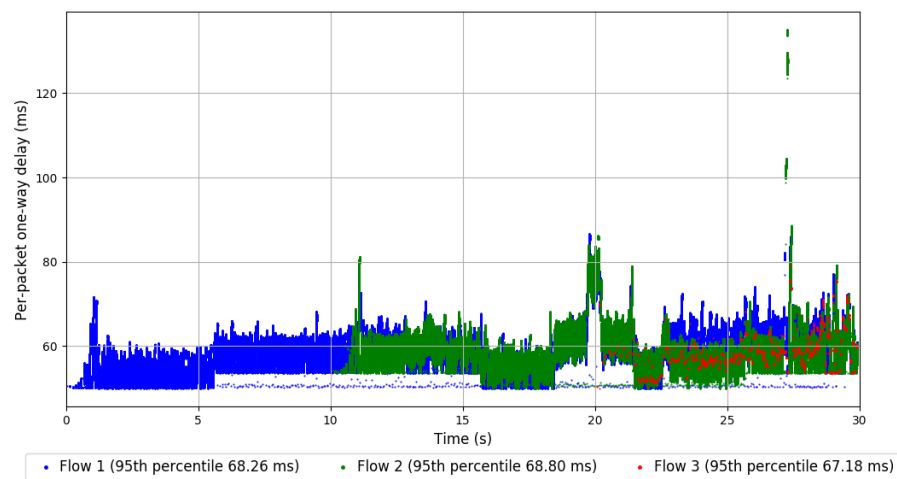
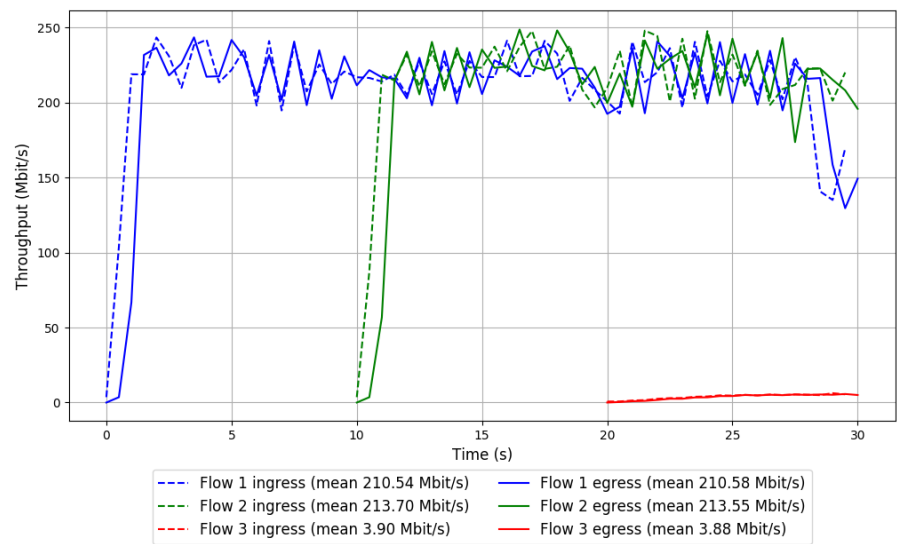


Run 4: Statistics of TCP Vegas

Start at: 2018-07-02 05:23:23
End at: 2018-07-02 05:23:53
Local clock offset: -0.1 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-02 10:12:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.79 Mbit/s
95th percentile per-packet one-way delay: 68.463 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 210.58 Mbit/s
95th percentile per-packet one-way delay: 68.259 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 213.55 Mbit/s
95th percentile per-packet one-way delay: 68.804 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 67.177 ms
Loss rate: 2.01%

Run 4: Report of TCP Vegas — Data Link

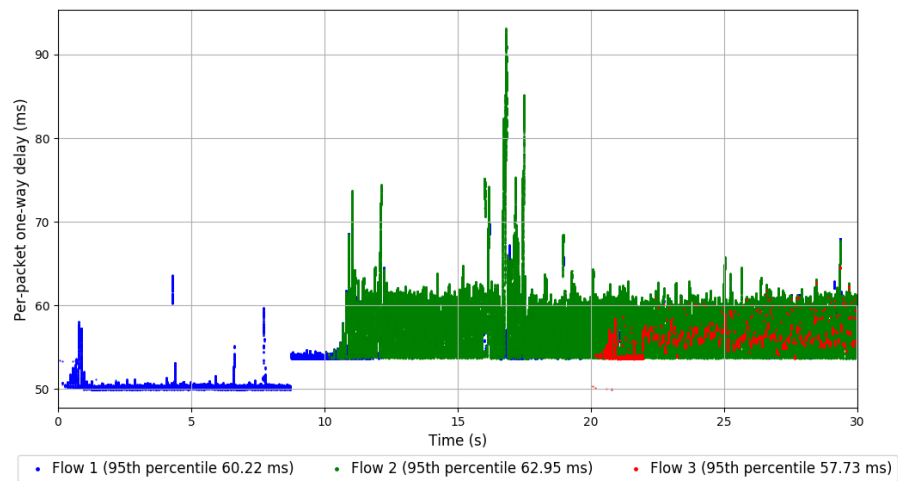
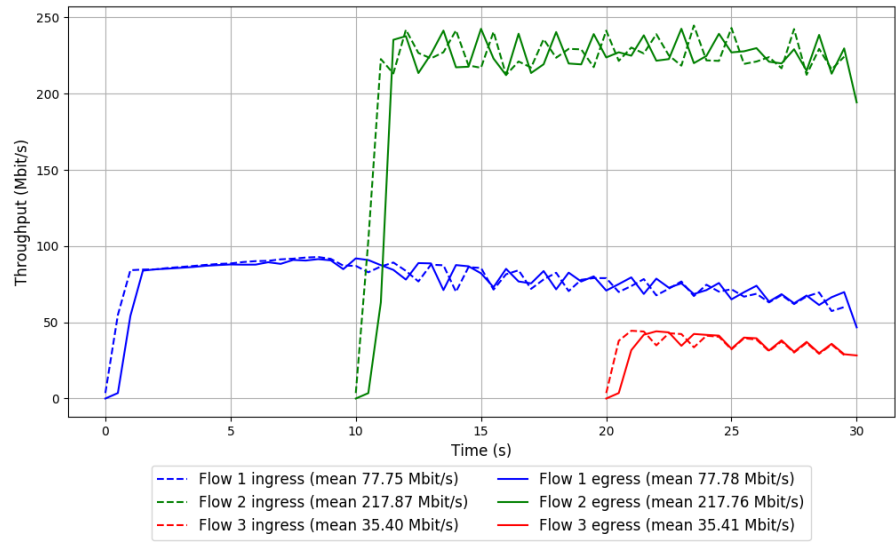


Run 5: Statistics of TCP Vegas

Start at: 2018-07-02 05:46:50
End at: 2018-07-02 05:47:20
Local clock offset: -0.211 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-02 10:12:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.22 Mbit/s
95th percentile per-packet one-way delay: 62.103 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 60.224 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 217.76 Mbit/s
95th percentile per-packet one-way delay: 62.949 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 57.728 ms
Loss rate: 0.99%

Run 5: Report of TCP Vegas — Data Link

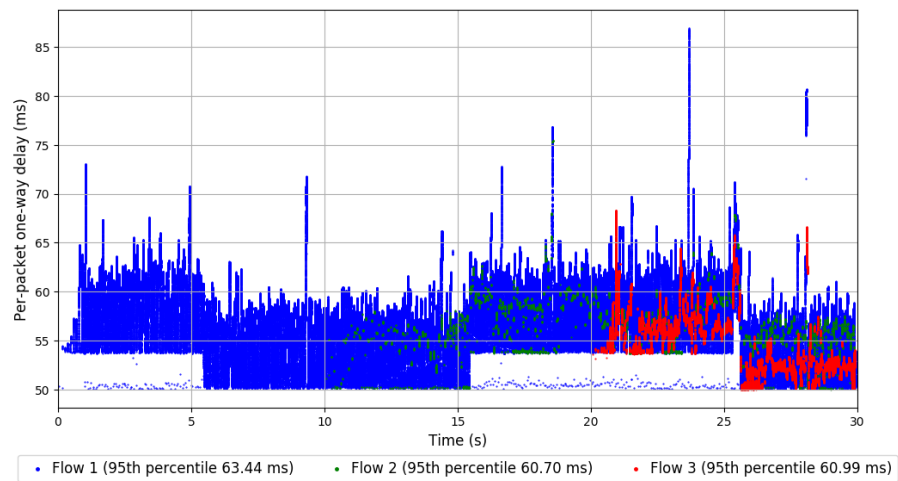
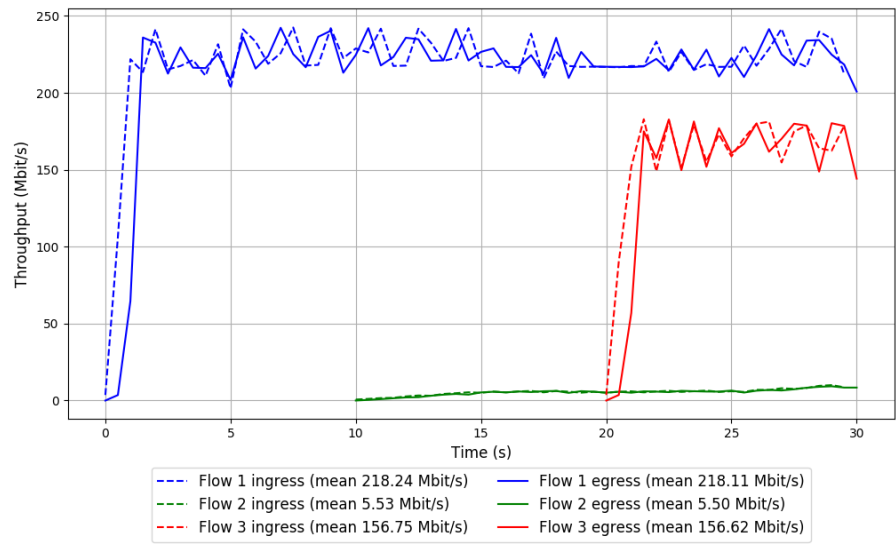


Run 6: Statistics of TCP Vegas

Start at: 2018-07-02 06:10:53
End at: 2018-07-02 06:11:23
Local clock offset: -0.227 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-07-02 10:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.41 Mbit/s
95th percentile per-packet one-way delay: 63.088 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 218.11 Mbit/s
95th percentile per-packet one-way delay: 63.443 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 60.700 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 156.62 Mbit/s
95th percentile per-packet one-way delay: 60.995 ms
Loss rate: 1.15%

Run 6: Report of TCP Vegas — Data Link

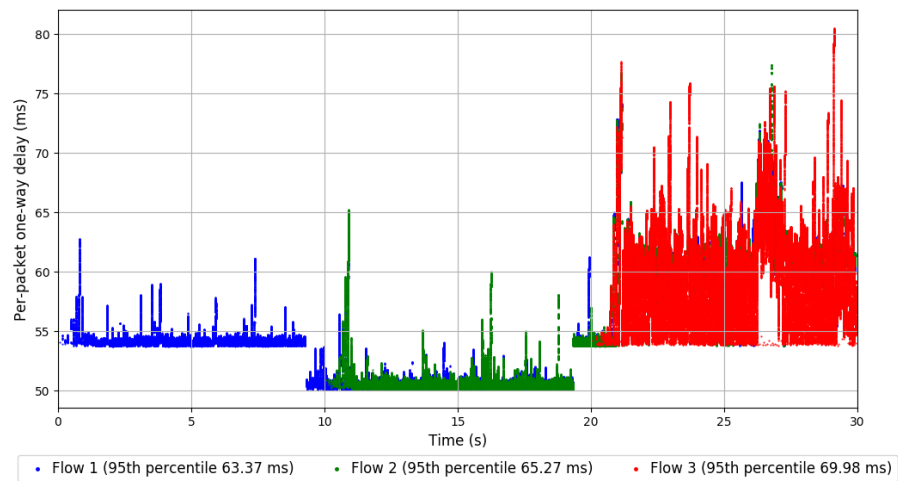
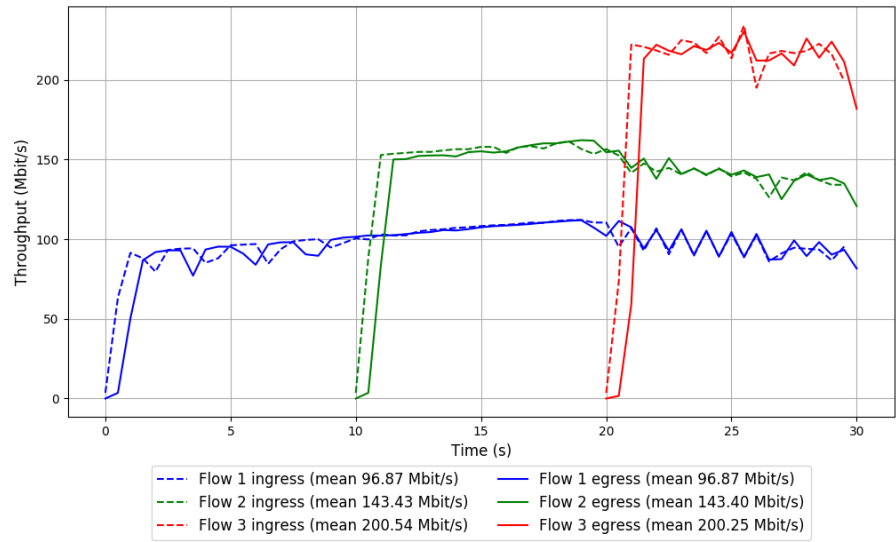


Run 7: Statistics of TCP Vegas

Start at: 2018-07-02 06:34:49
End at: 2018-07-02 06:35:19
Local clock offset: -0.109 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-07-02 10:14:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.21 Mbit/s
95th percentile per-packet one-way delay: 66.656 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 63.367 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 143.40 Mbit/s
95th percentile per-packet one-way delay: 65.273 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 200.25 Mbit/s
95th percentile per-packet one-way delay: 69.981 ms
Loss rate: 1.22%

Run 7: Report of TCP Vegas — Data Link

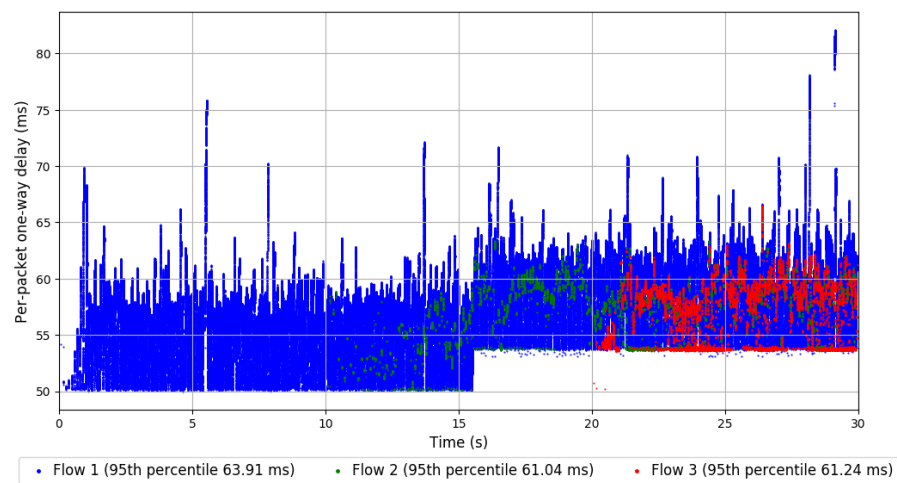
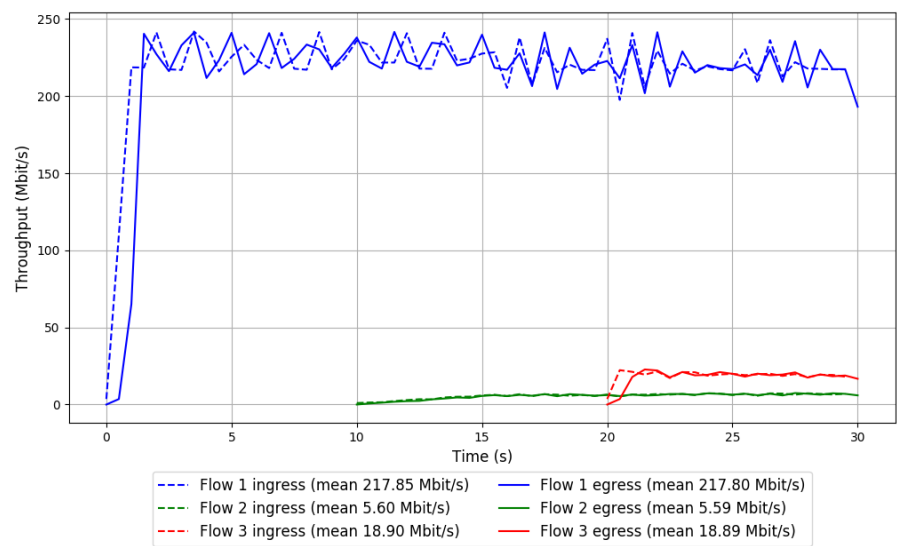


Run 8: Statistics of TCP Vegas

Start at: 2018-07-02 06:59:03
End at: 2018-07-02 06:59:33
Local clock offset: -0.192 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-02 10:14:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.75 Mbit/s
95th percentile per-packet one-way delay: 63.802 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 217.80 Mbit/s
95th percentile per-packet one-way delay: 63.908 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 61.038 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 61.243 ms
Loss rate: 1.08%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-02 07:22:57

End at: 2018-07-02 07:23:27

Local clock offset: -0.07 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-07-02 10:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.11 Mbit/s

95th percentile per-packet one-way delay: 54.827 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 154.00 Mbit/s

95th percentile per-packet one-way delay: 55.124 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 49.95 Mbit/s

95th percentile per-packet one-way delay: 54.399 ms

Loss rate: 0.62%

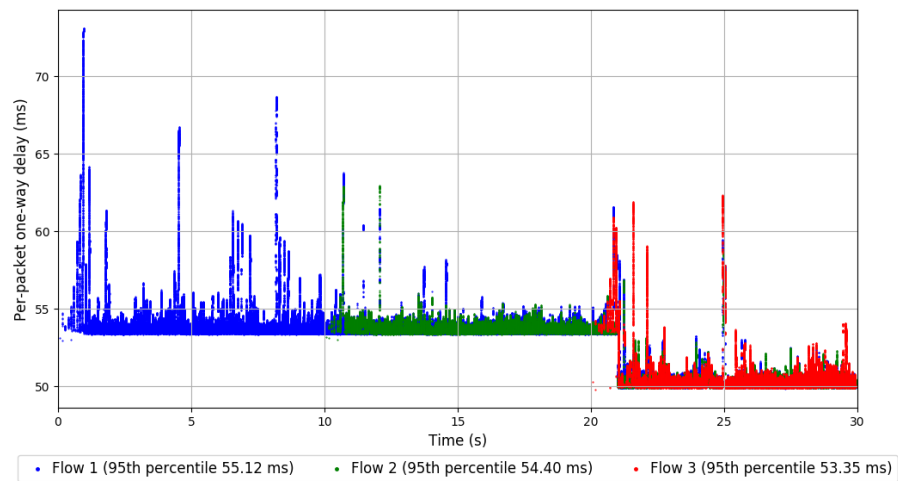
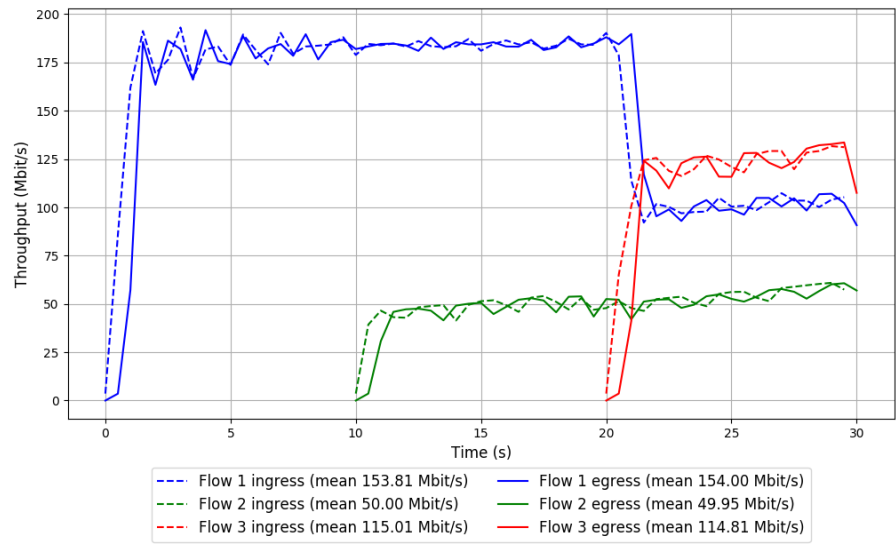
-- Flow 3:

Average throughput: 114.81 Mbit/s

95th percentile per-packet one-way delay: 53.353 ms

Loss rate: 1.16%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-02 07:46:48

End at: 2018-07-02 07:47:18

Local clock offset: -0.097 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2018-07-02 10:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 321.49 Mbit/s

95th percentile per-packet one-way delay: 79.490 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 214.23 Mbit/s

95th percentile per-packet one-way delay: 79.582 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 72.544 ms

Loss rate: 0.55%

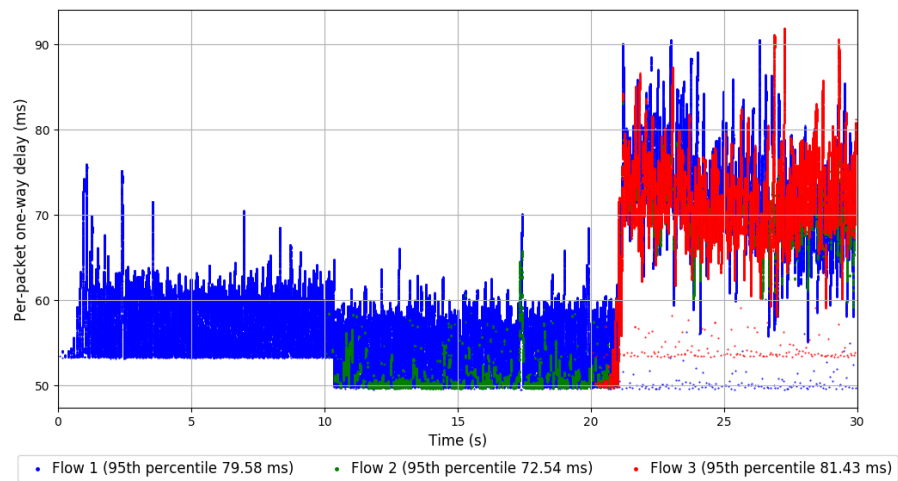
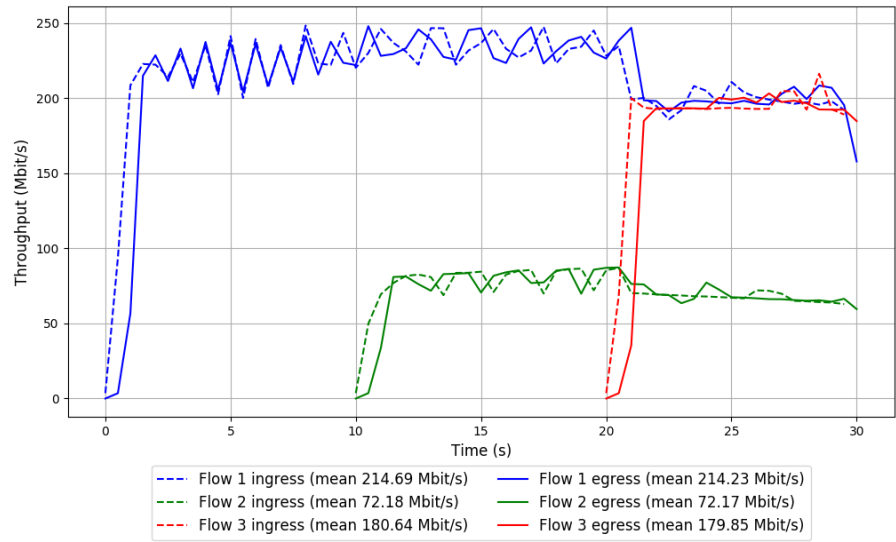
-- Flow 3:

Average throughput: 179.85 Mbit/s

95th percentile per-packet one-way delay: 81.429 ms

Loss rate: 1.46%

Run 10: Report of TCP Vegas — Data Link

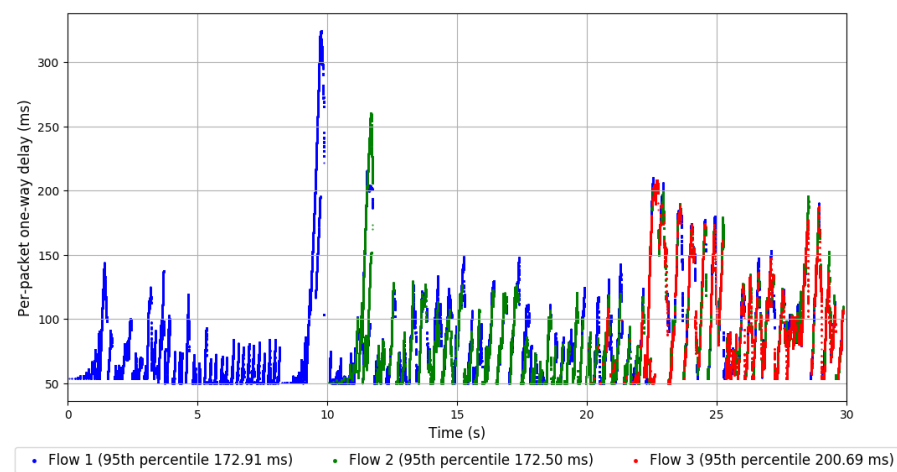
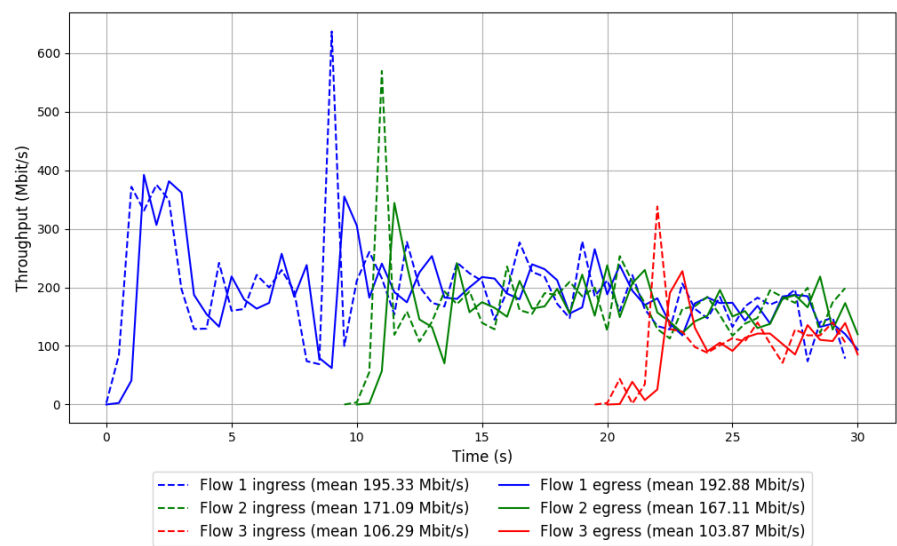


Run 1: Statistics of Verus

Start at: 2018-07-02 04:04:25
End at: 2018-07-02 04:04:55
Local clock offset: -0.32 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-07-02 10:17:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.21 Mbit/s
95th percentile per-packet one-way delay: 177.175 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 192.88 Mbit/s
95th percentile per-packet one-way delay: 172.911 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 167.11 Mbit/s
95th percentile per-packet one-way delay: 172.496 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 103.87 Mbit/s
95th percentile per-packet one-way delay: 200.694 ms
Loss rate: 3.55%

Run 1: Report of Verus — Data Link

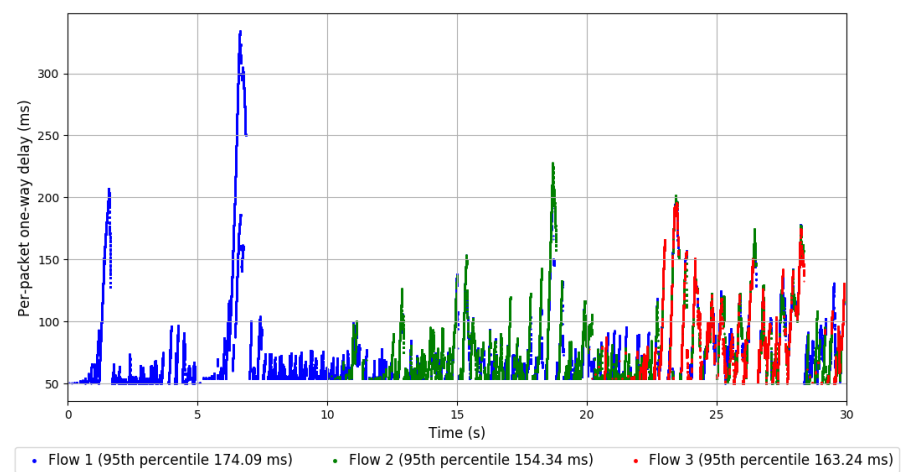
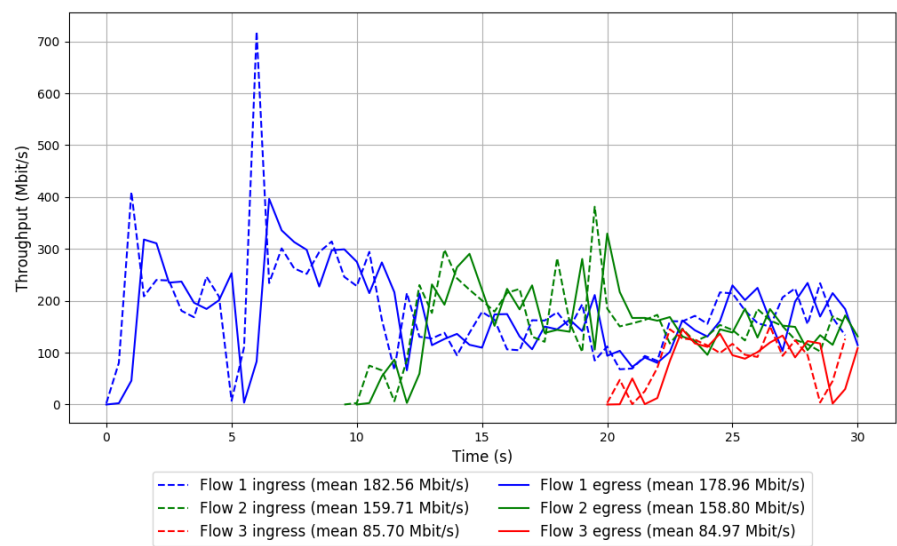


Run 2: Statistics of Verus

Start at: 2018-07-02 04:28:03
End at: 2018-07-02 04:28:33
Local clock offset: -0.065 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-02 10:17:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.34 Mbit/s
95th percentile per-packet one-way delay: 163.993 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 174.093 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 158.80 Mbit/s
95th percentile per-packet one-way delay: 154.335 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 163.242 ms
Loss rate: 2.13%

Run 2: Report of Verus — Data Link

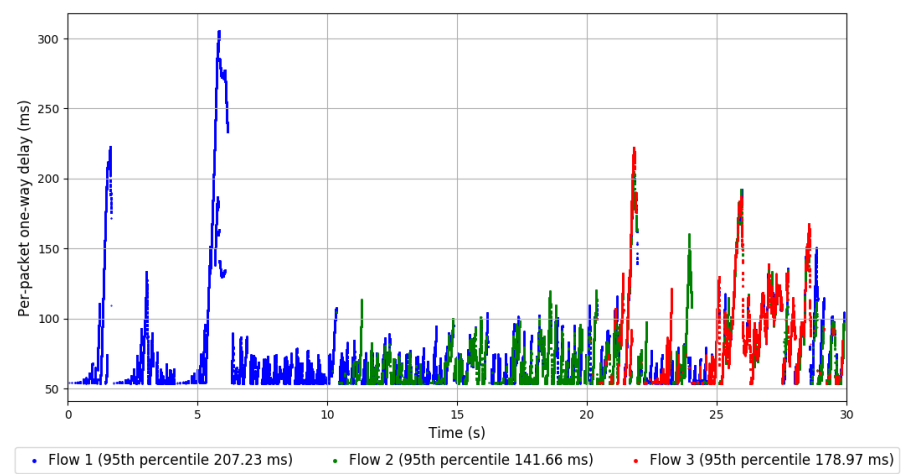
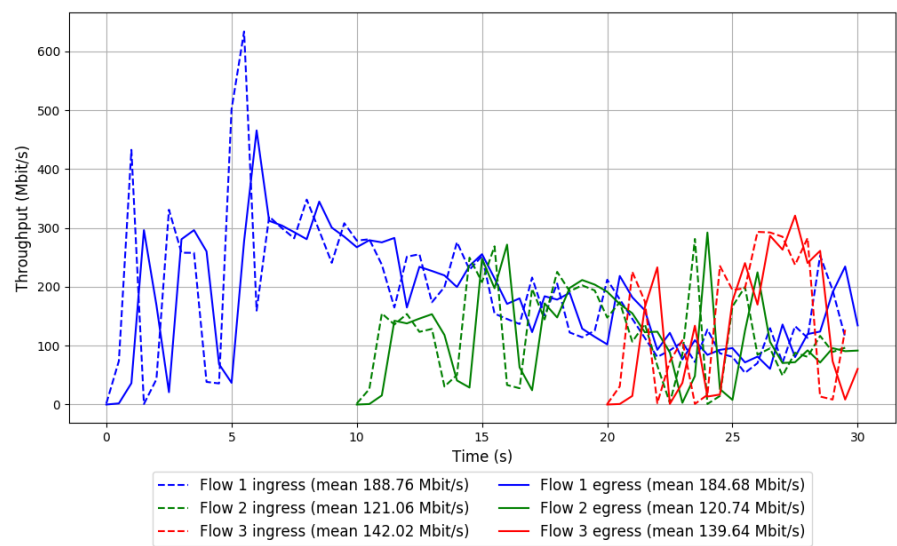


Run 3: Statistics of Verus

Start at: 2018-07-02 04:52:08
End at: 2018-07-02 04:52:38
Local clock offset: 0.035 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-02 10:18:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.44 Mbit/s
95th percentile per-packet one-way delay: 176.753 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 184.68 Mbit/s
95th percentile per-packet one-way delay: 207.234 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 120.74 Mbit/s
95th percentile per-packet one-way delay: 141.660 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 139.64 Mbit/s
95th percentile per-packet one-way delay: 178.967 ms
Loss rate: 3.05%

Run 3: Report of Verus — Data Link

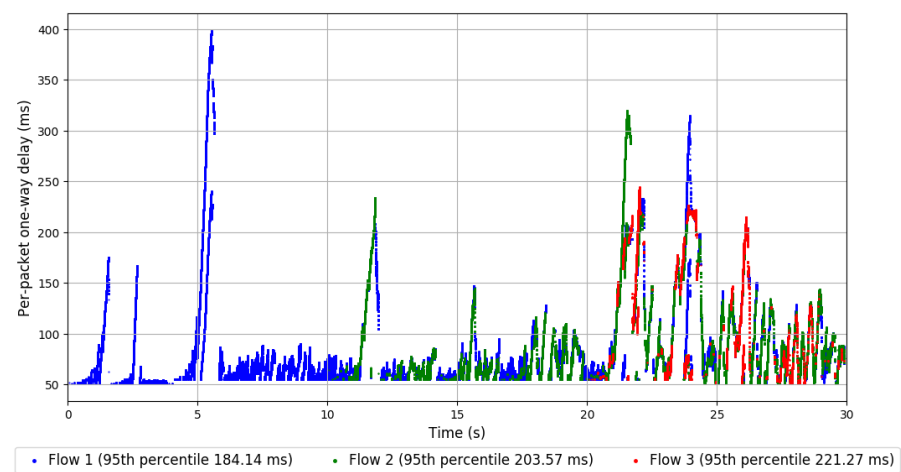
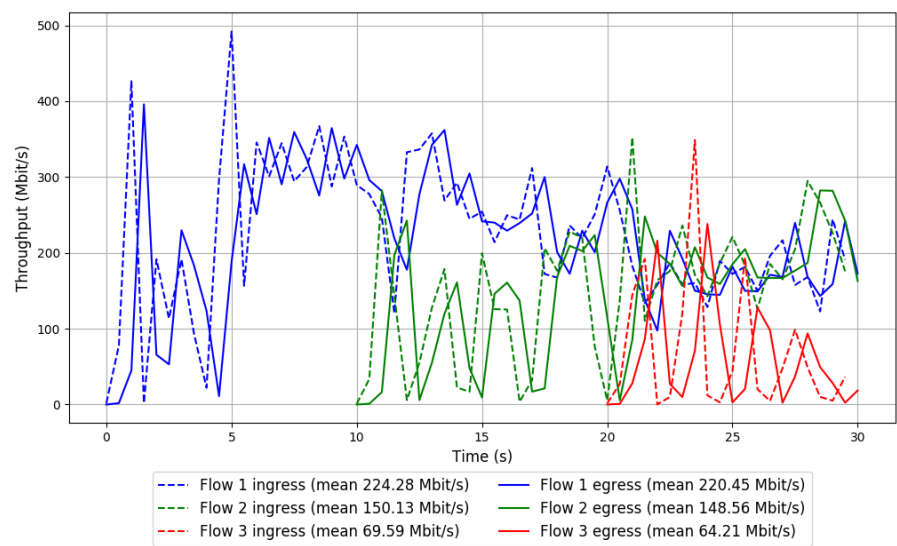


Run 4: Statistics of Verus

Start at: 2018-07-02 05:15:34
End at: 2018-07-02 05:16:04
Local clock offset: 0.082 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2018-07-02 10:19:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.33 Mbit/s
95th percentile per-packet one-way delay: 203.750 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 220.45 Mbit/s
95th percentile per-packet one-way delay: 184.143 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 148.56 Mbit/s
95th percentile per-packet one-way delay: 203.572 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 221.270 ms
Loss rate: 7.79%

Run 4: Report of Verus — Data Link

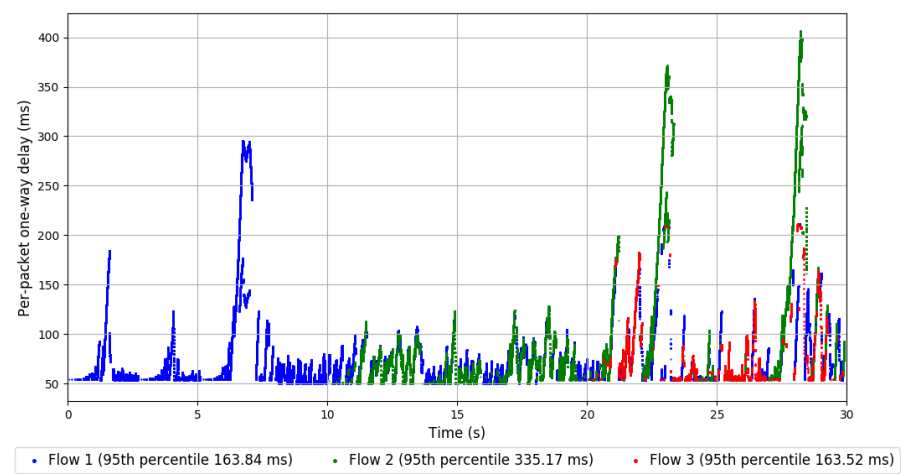
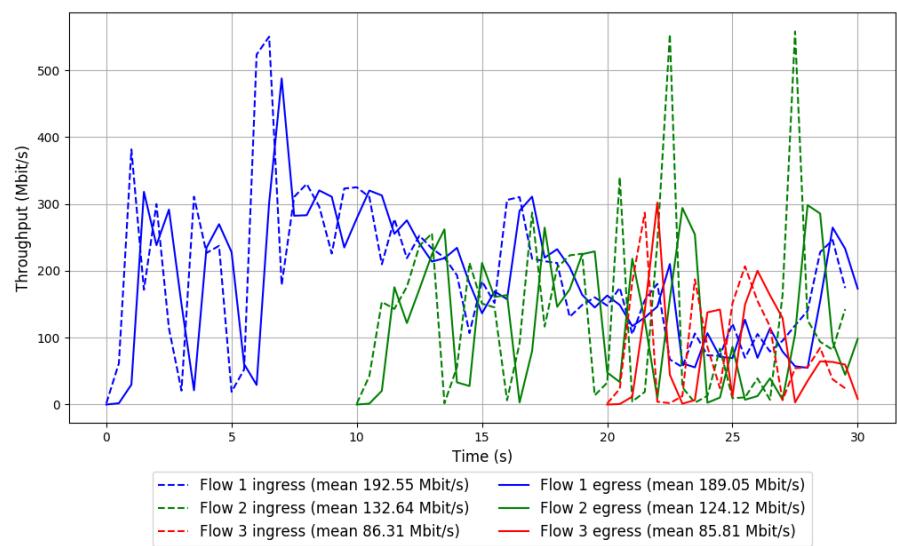


Run 5: Statistics of Verus

Start at: 2018-07-02 05:39:10
End at: 2018-07-02 05:39:40
Local clock offset: 0.113 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-02 10:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.22 Mbit/s
95th percentile per-packet one-way delay: 253.317 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 189.05 Mbit/s
95th percentile per-packet one-way delay: 163.836 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 124.12 Mbit/s
95th percentile per-packet one-way delay: 335.171 ms
Loss rate: 6.91%
-- Flow 3:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 163.521 ms
Loss rate: 1.67%

Run 5: Report of Verus — Data Link

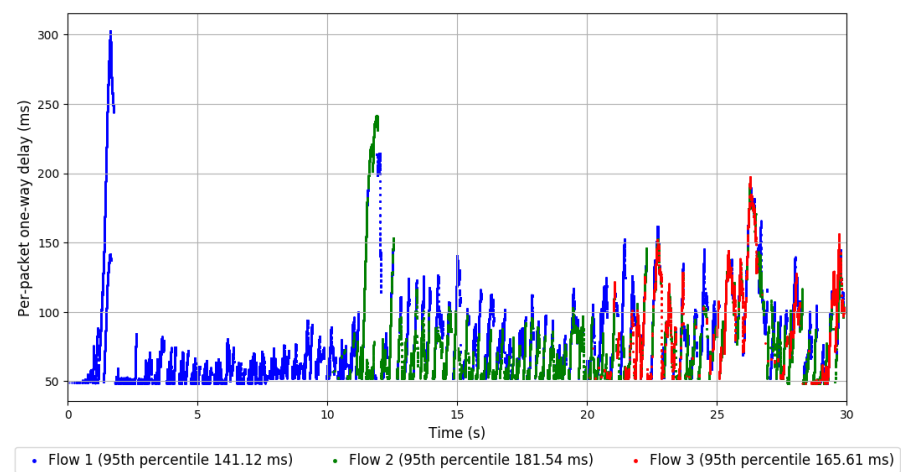
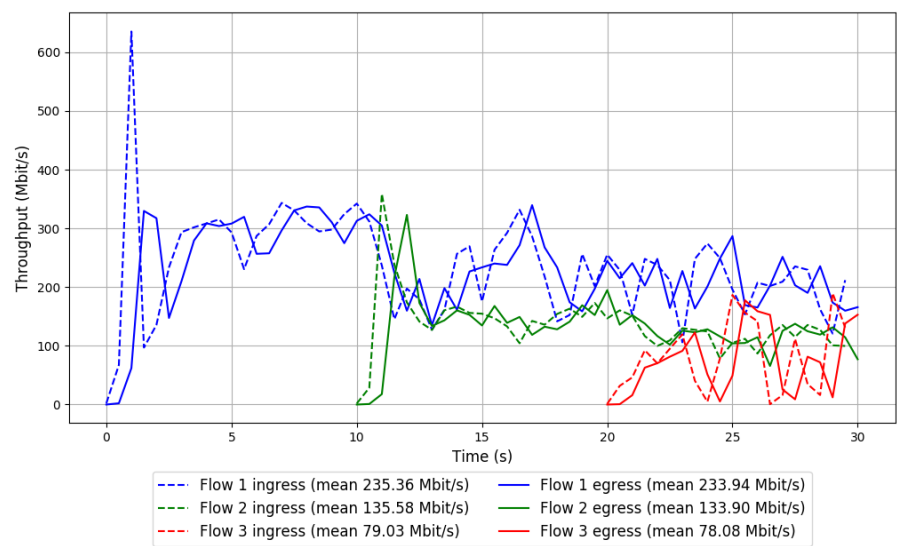


Run 6: Statistics of Verus

Start at: 2018-07-02 06:03:01
End at: 2018-07-02 06:03:31
Local clock offset: -0.256 ms
Remote clock offset: 1.085 ms

Below is generated by plot.py at 2018-07-02 10:21:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.50 Mbit/s
95th percentile per-packet one-way delay: 150.715 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 233.94 Mbit/s
95th percentile per-packet one-way delay: 141.118 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 133.90 Mbit/s
95th percentile per-packet one-way delay: 181.542 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 78.08 Mbit/s
95th percentile per-packet one-way delay: 165.607 ms
Loss rate: 2.20%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-02 06:27:01

End at: 2018-07-02 06:27:31

Local clock offset: -0.198 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-02 10:22:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.54 Mbit/s

95th percentile per-packet one-way delay: 191.026 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 211.71 Mbit/s

95th percentile per-packet one-way delay: 162.391 ms

Loss rate: 2.15%

-- Flow 2:

Average throughput: 128.61 Mbit/s

95th percentile per-packet one-way delay: 213.203 ms

Loss rate: 2.11%

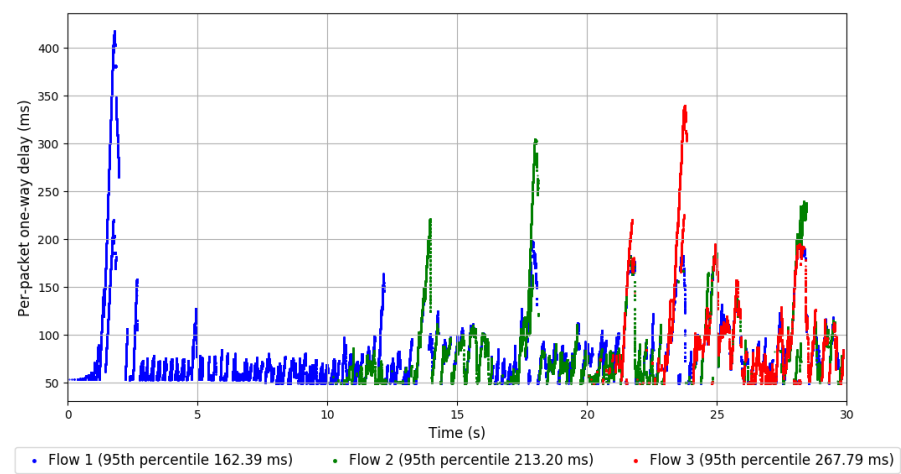
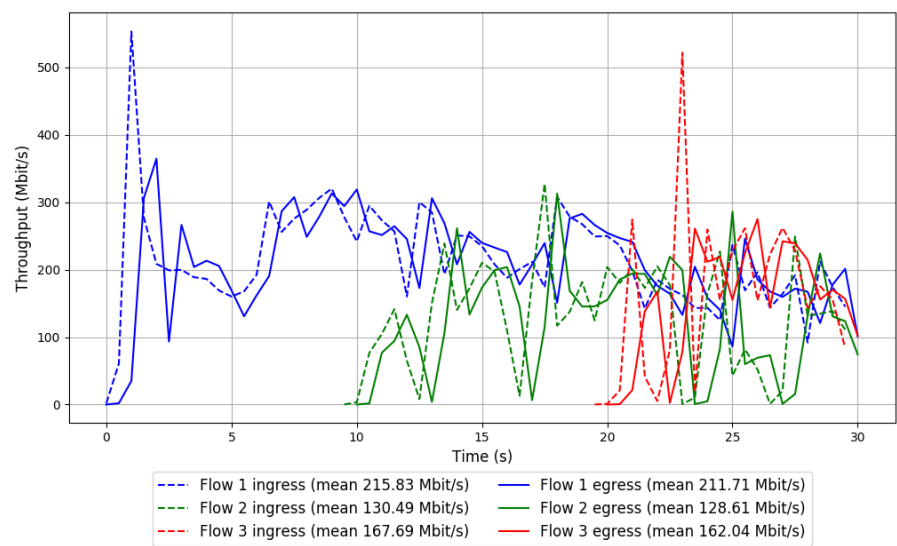
-- Flow 3:

Average throughput: 162.04 Mbit/s

95th percentile per-packet one-way delay: 267.788 ms

Loss rate: 3.52%

Run 7: Report of Verus — Data Link

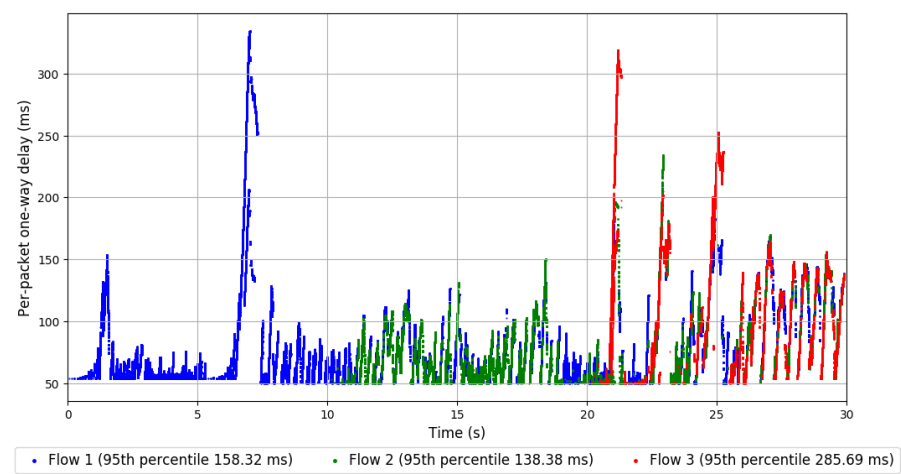
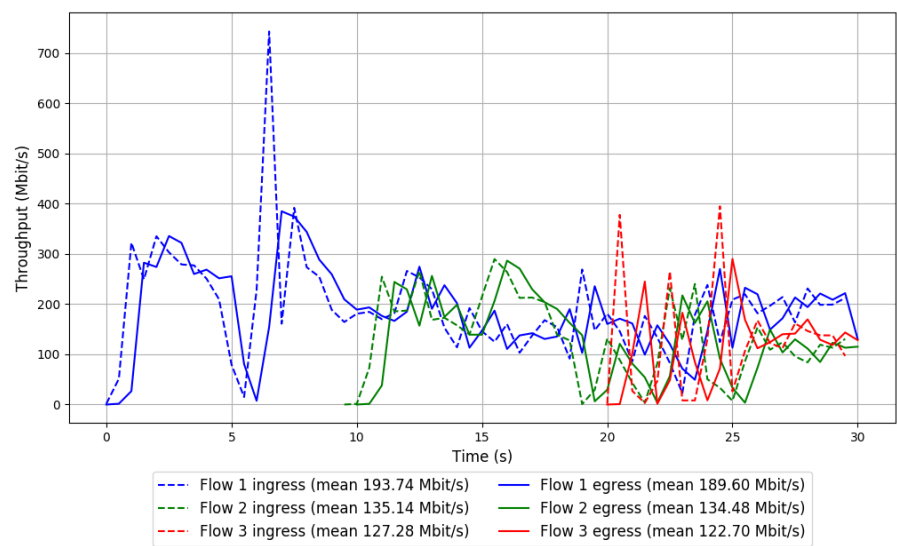


Run 8: Statistics of Verus

Start at: 2018-07-02 06:51:12
End at: 2018-07-02 06:51:42
Local clock offset: -0.07 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-02 10:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.42 Mbit/s
95th percentile per-packet one-way delay: 178.217 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 189.60 Mbit/s
95th percentile per-packet one-way delay: 158.324 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 134.48 Mbit/s
95th percentile per-packet one-way delay: 138.382 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 122.70 Mbit/s
95th percentile per-packet one-way delay: 285.693 ms
Loss rate: 2.79%

Run 8: Report of Verus — Data Link

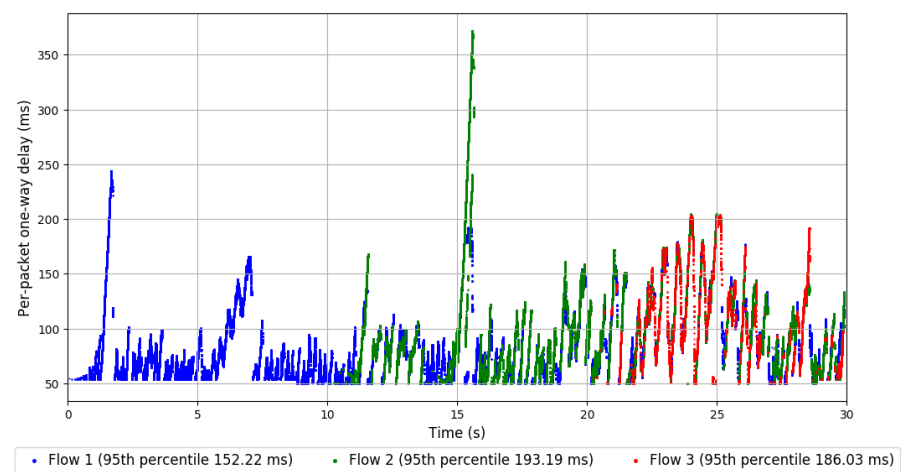
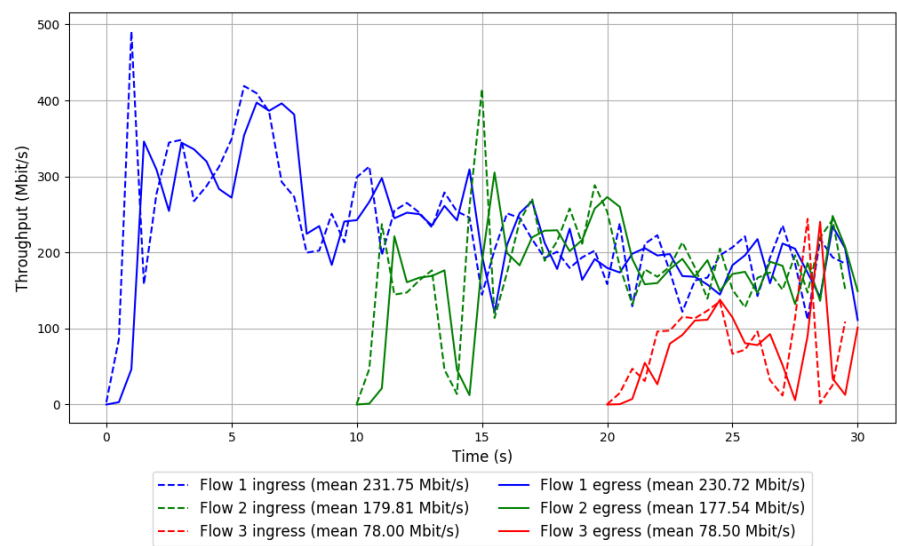


Run 9: Statistics of Verus

Start at: 2018-07-02 07:14:59
End at: 2018-07-02 07:15:29
Local clock offset: -0.131 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-07-02 10:24:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.30 Mbit/s
95th percentile per-packet one-way delay: 168.258 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 230.72 Mbit/s
95th percentile per-packet one-way delay: 152.221 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 177.54 Mbit/s
95th percentile per-packet one-way delay: 193.192 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 186.035 ms
Loss rate: 1.58%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-02 07:38:57

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

Local clock offset: -0.217 ms

Remote clock offset: 1.204 ms

Below is generated by plot.py at 2018-07-02 10:24:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.28 Mbit/s

95th percentile per-packet one-way delay: 165.663 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 188.67 Mbit/s

95th percentile per-packet one-way delay: 163.588 ms

Loss rate: 2.02%

-- Flow 2:

Average throughput: 164.39 Mbit/s

95th percentile per-packet one-way delay: 157.929 ms

Loss rate: 0.15%

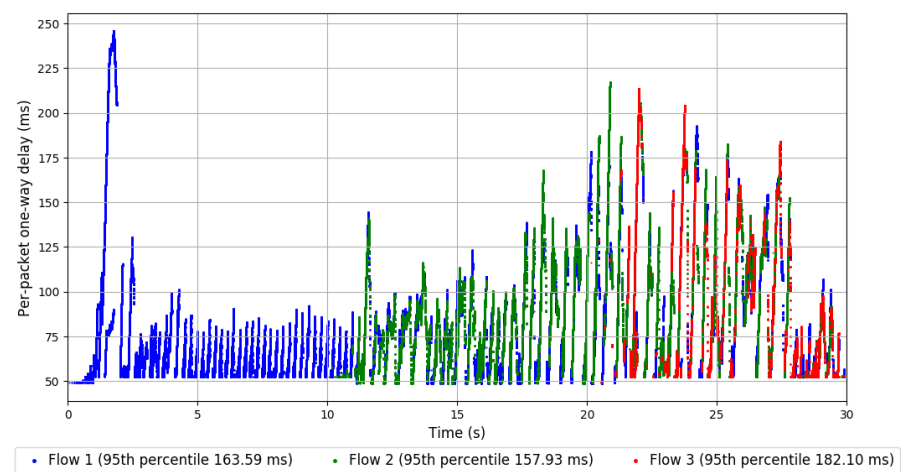
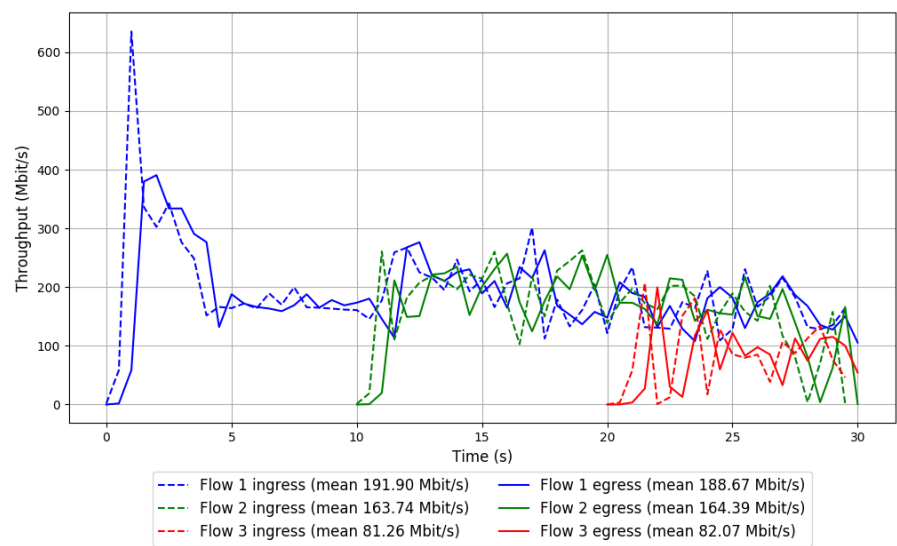
-- Flow 3:

Average throughput: 82.07 Mbit/s

95th percentile per-packet one-way delay: 182.102 ms

Loss rate: 0.72%

Run 10: Report of Verus — Data Link

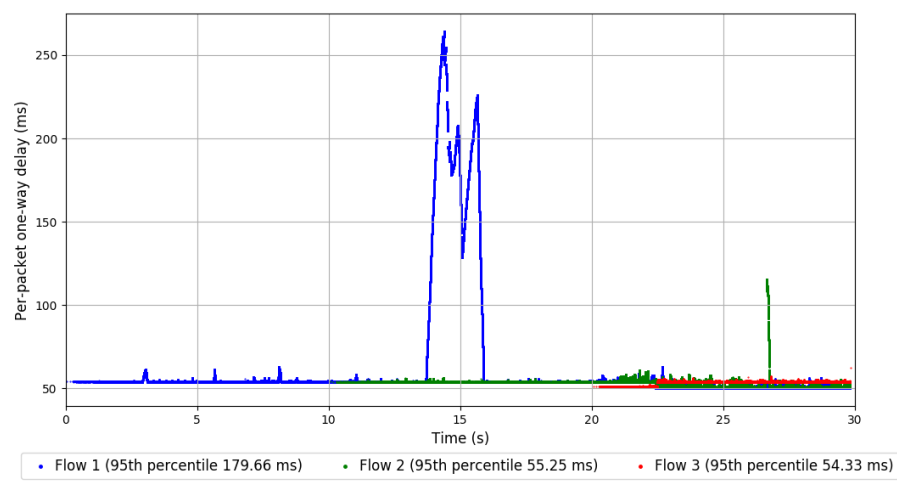
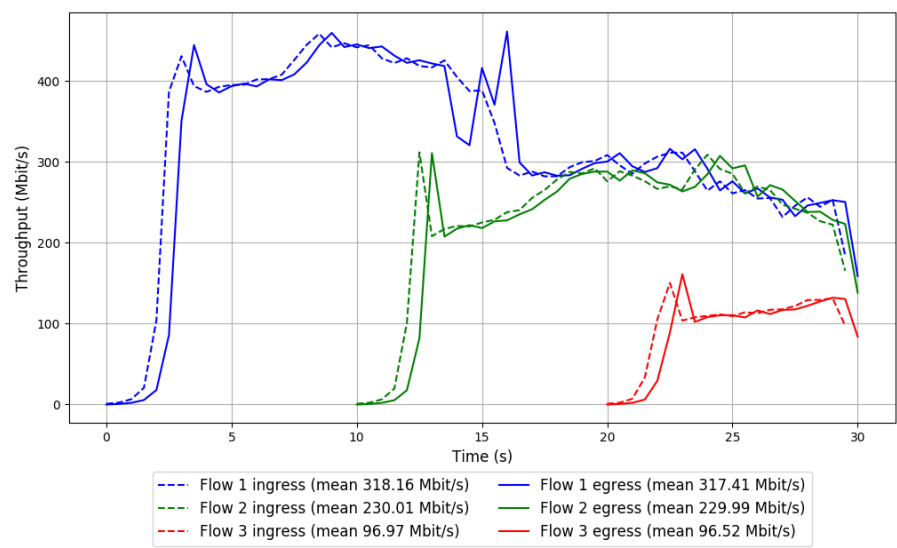


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-02 04:21:16
End at: 2018-07-02 04:21:46
Local clock offset: 0.068 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-02 10:28:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.59 Mbit/s
95th percentile per-packet one-way delay: 108.466 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 317.41 Mbit/s
95th percentile per-packet one-way delay: 179.662 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 229.99 Mbit/s
95th percentile per-packet one-way delay: 55.251 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 54.326 ms
Loss rate: 1.40%

Run 1: Report of PCC-Vivace — Data Link

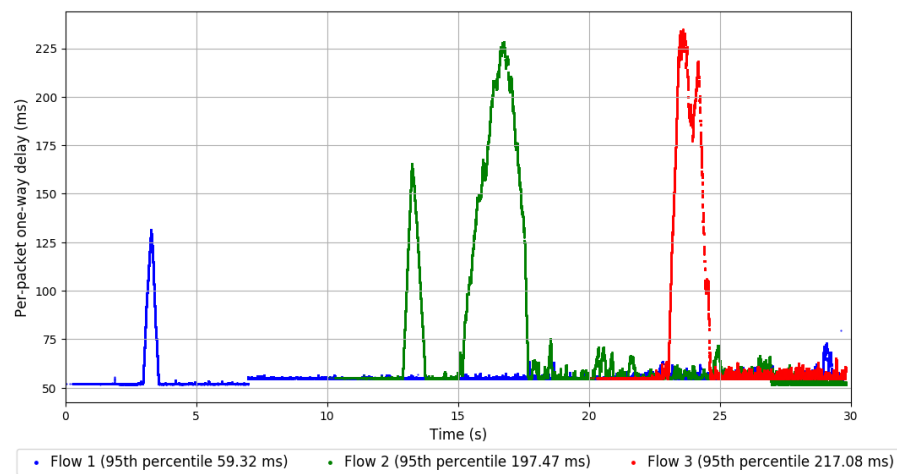
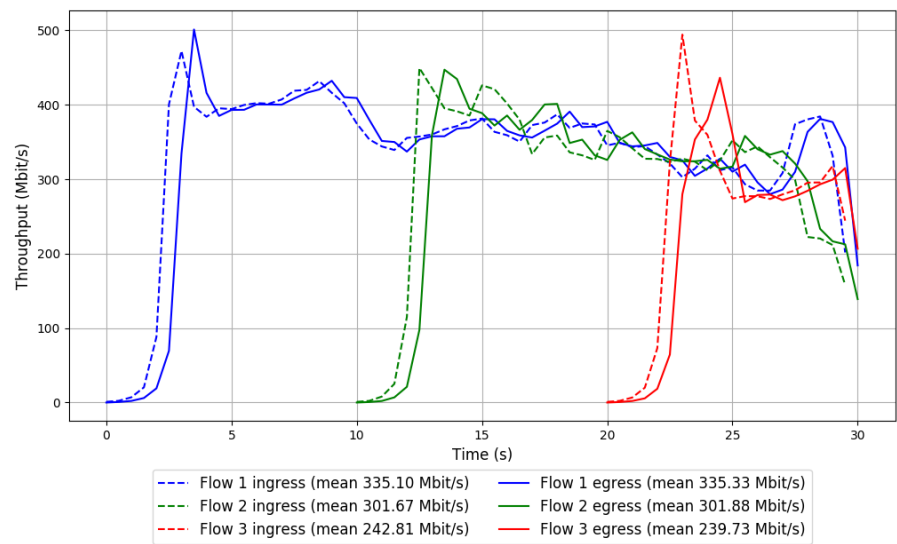


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-02 04:44:51
End at: 2018-07-02 04:45:21
Local clock offset: -0.015 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-07-02 10:31:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 614.13 Mbit/s
95th percentile per-packet one-way delay: 161.946 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 335.33 Mbit/s
95th percentile per-packet one-way delay: 59.317 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 301.88 Mbit/s
95th percentile per-packet one-way delay: 197.473 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 239.73 Mbit/s
95th percentile per-packet one-way delay: 217.081 ms
Loss rate: 2.35%

Run 2: Report of PCC-Vivace — Data Link

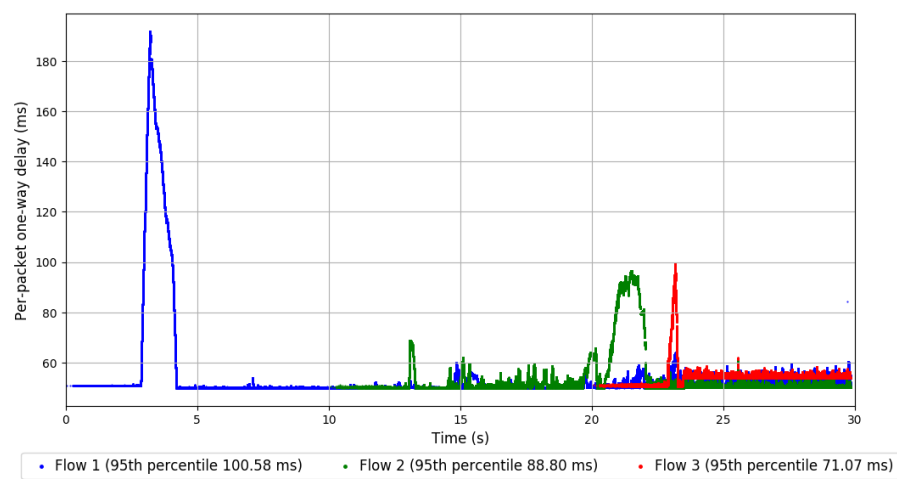
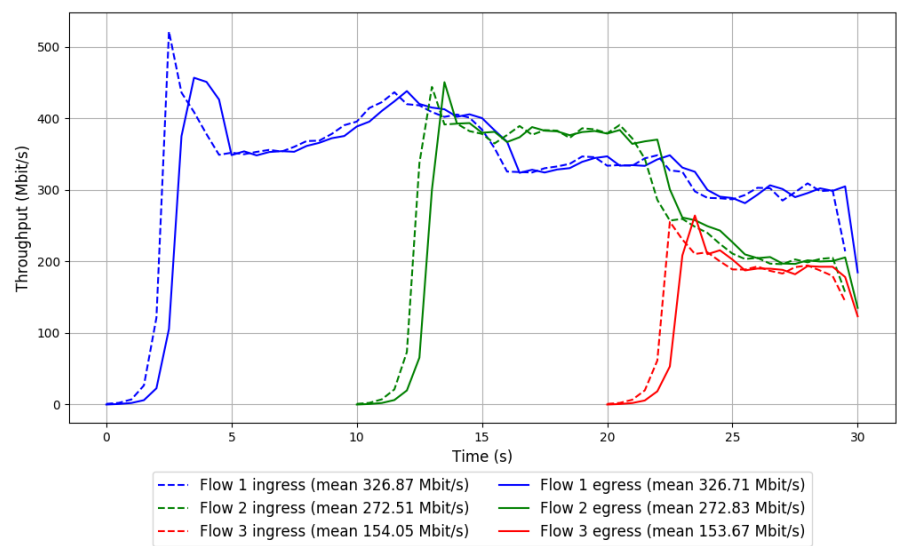


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-02 05:08:45
End at: 2018-07-02 05:09:15
Local clock offset: -0.101 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-07-02 10:31:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 558.26 Mbit/s
95th percentile per-packet one-way delay: 88.112 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 326.71 Mbit/s
95th percentile per-packet one-way delay: 100.577 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 272.83 Mbit/s
95th percentile per-packet one-way delay: 88.800 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 153.67 Mbit/s
95th percentile per-packet one-way delay: 71.069 ms
Loss rate: 1.30%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-02 05:32:20

End at: 2018-07-02 05:32:50

Local clock offset: -0.086 ms

Remote clock offset: 1.361 ms

Below is generated by plot.py at 2018-07-02 10:33:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 577.14 Mbit/s

95th percentile per-packet one-way delay: 60.150 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 353.63 Mbit/s

95th percentile per-packet one-way delay: 70.210 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 296.04 Mbit/s

95th percentile per-packet one-way delay: 53.525 ms

Loss rate: 0.48%

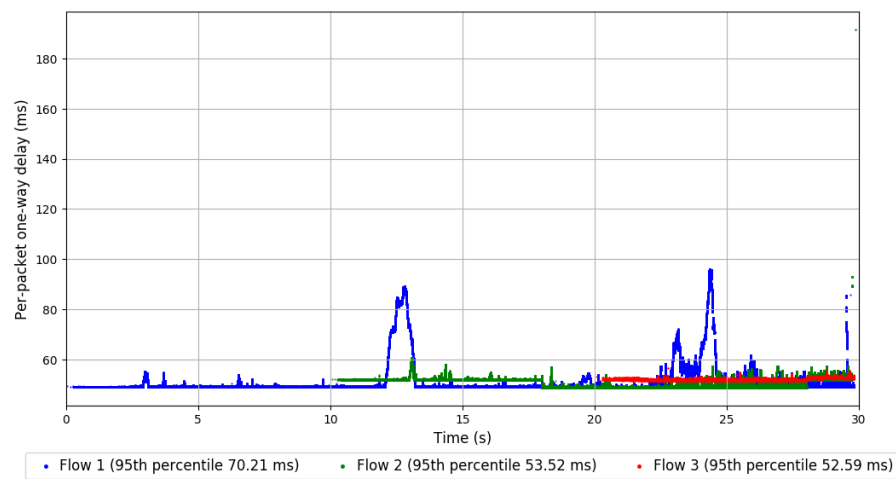
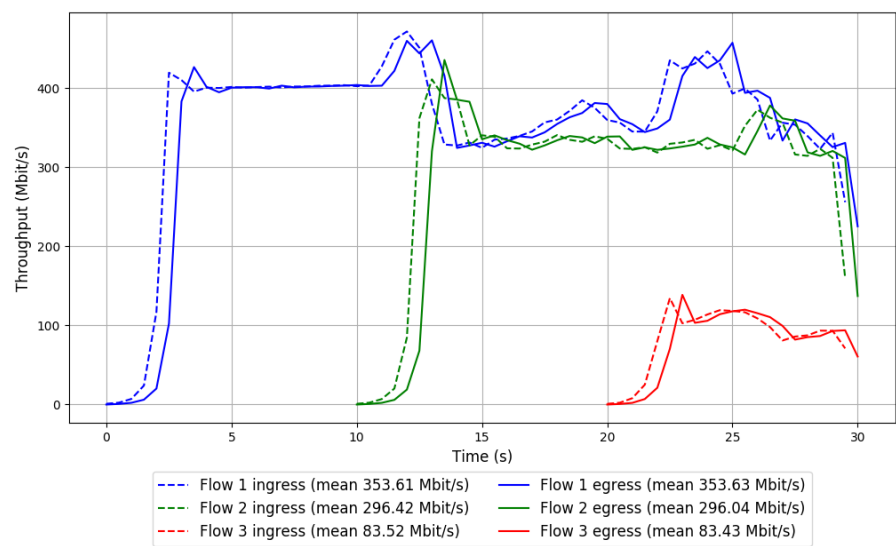
-- Flow 3:

Average throughput: 83.43 Mbit/s

95th percentile per-packet one-way delay: 52.590 ms

Loss rate: 1.20%

Run 4: Report of PCC-Vivace — Data Link

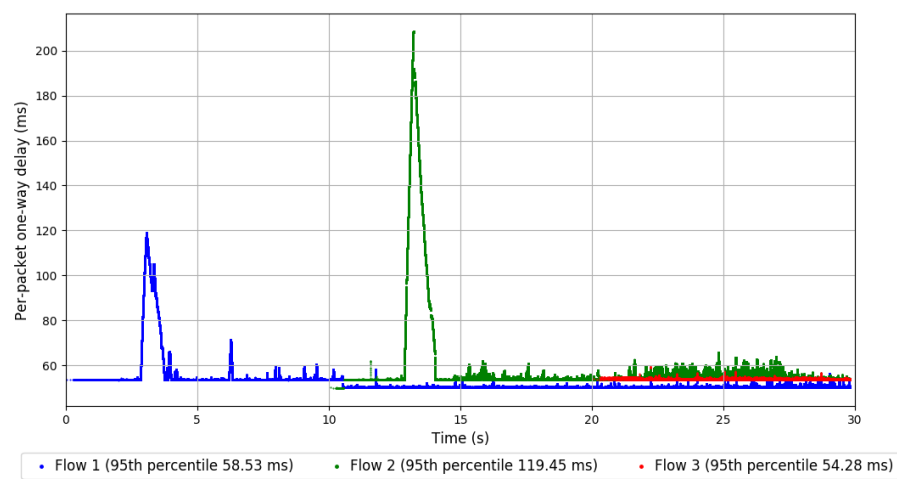
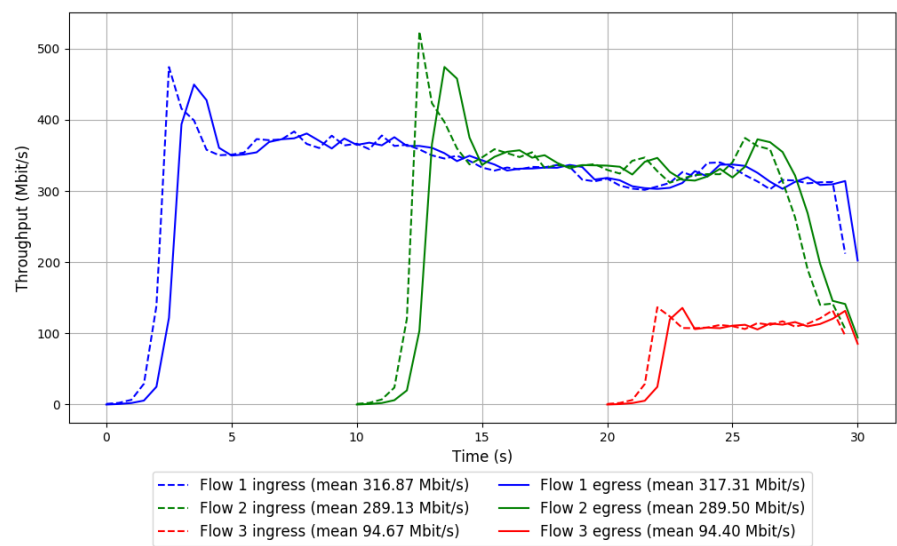


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-02 05:55:58
End at: 2018-07-02 05:56:28
Local clock offset: -0.001 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-02 10:33:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 540.45 Mbit/s
95th percentile per-packet one-way delay: 73.380 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 317.31 Mbit/s
95th percentile per-packet one-way delay: 58.533 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 289.50 Mbit/s
95th percentile per-packet one-way delay: 119.452 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 54.283 ms
Loss rate: 1.38%

Run 5: Report of PCC-Vivace — Data Link

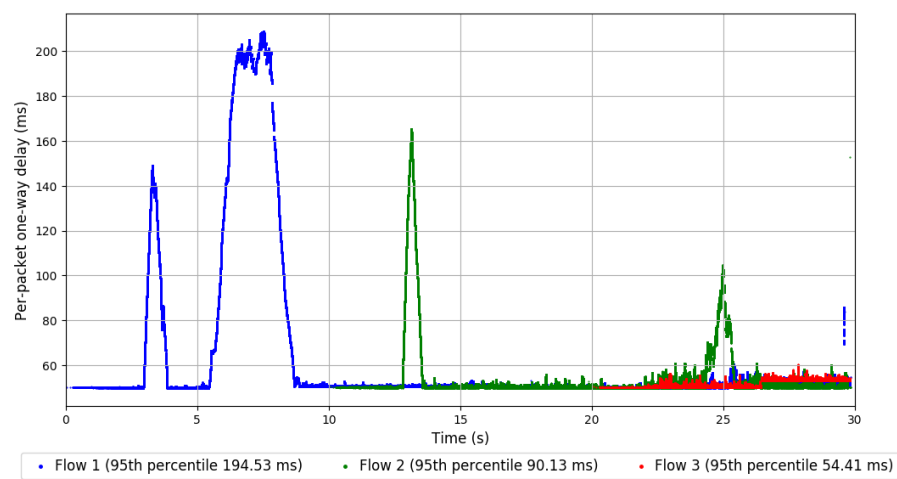
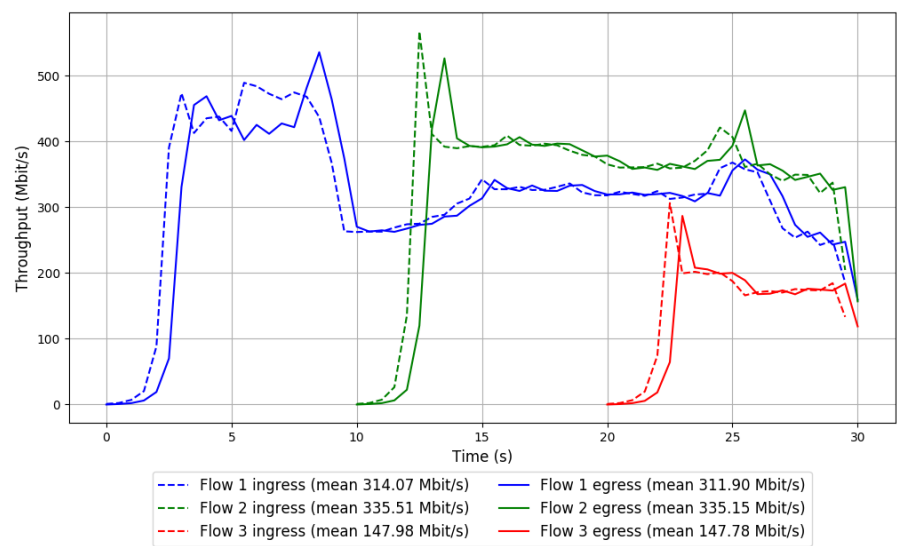


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-02 06:20:02
End at: 2018-07-02 06:20:32
Local clock offset: -0.204 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-07-02 10:34:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 582.82 Mbit/s
95th percentile per-packet one-way delay: 147.804 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 311.90 Mbit/s
95th percentile per-packet one-way delay: 194.534 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 335.15 Mbit/s
95th percentile per-packet one-way delay: 90.129 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 147.78 Mbit/s
95th percentile per-packet one-way delay: 54.408 ms
Loss rate: 1.18%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-02 06:44:12

End at: 2018-07-02 06:44:42

Local clock offset: -0.16 ms

Remote clock offset: 1.063 ms

Below is generated by plot.py at 2018-07-02 10:34:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 561.69 Mbit/s

95th percentile per-packet one-way delay: 182.858 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 317.81 Mbit/s

95th percentile per-packet one-way delay: 57.531 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 285.30 Mbit/s

95th percentile per-packet one-way delay: 203.114 ms

Loss rate: 0.97%

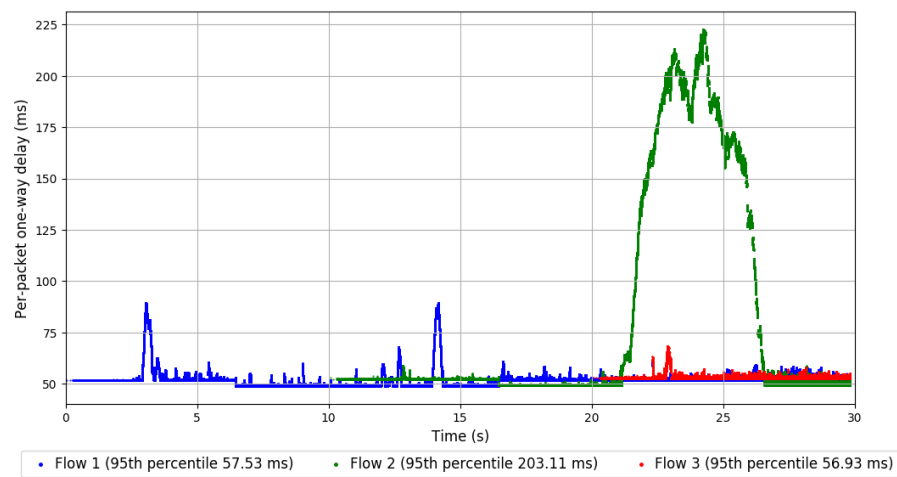
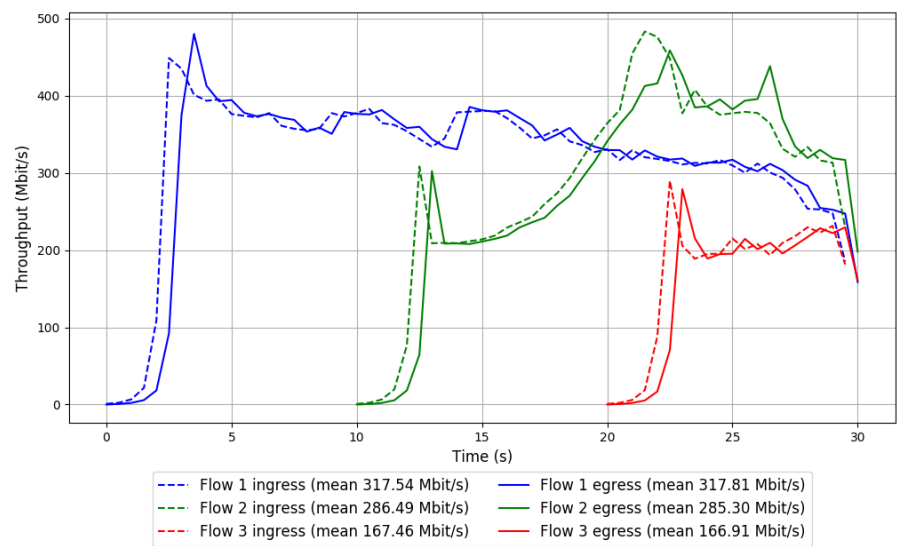
-- Flow 3:

Average throughput: 166.91 Mbit/s

95th percentile per-packet one-way delay: 56.930 ms

Loss rate: 1.43%

Run 7: Report of PCC-Vivace — Data Link

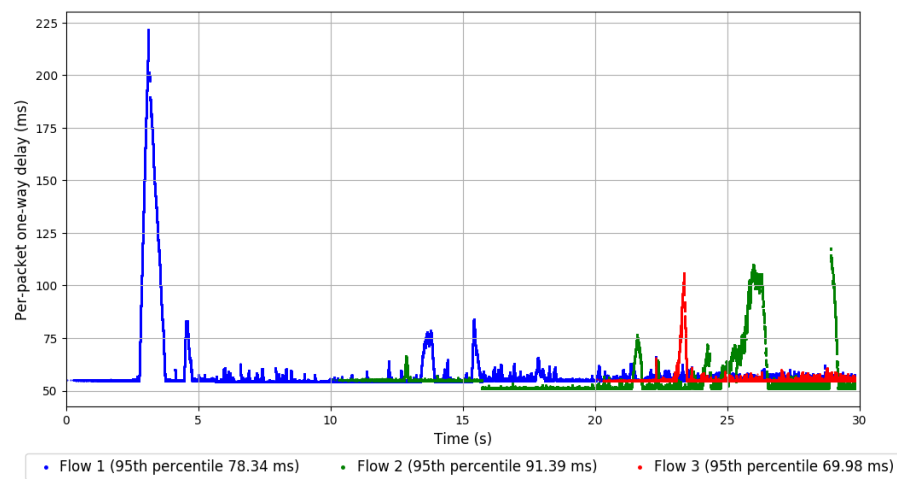
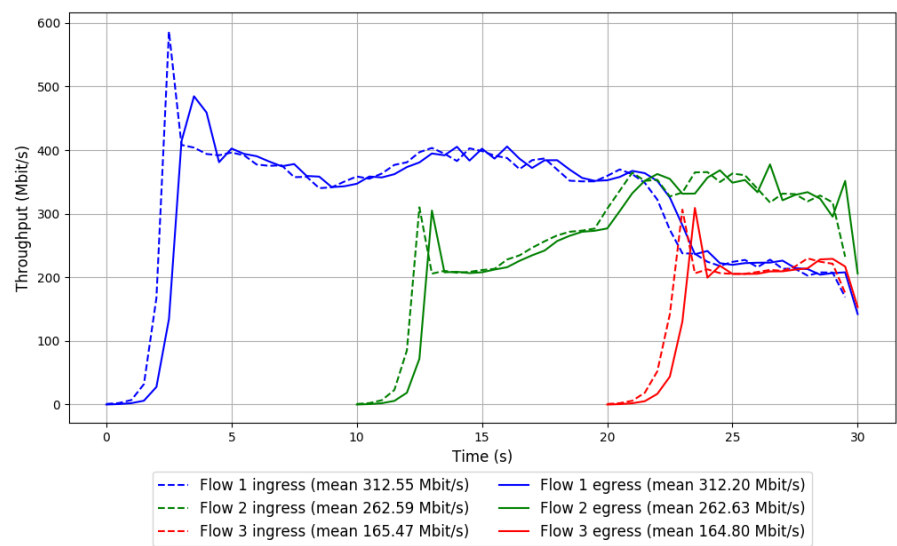


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-02 07:08:02
End at: 2018-07-02 07:08:32
Local clock offset: -0.174 ms
Remote clock offset: -1.409 ms

Below is generated by plot.py at 2018-07-02 10:34:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 540.46 Mbit/s
95th percentile per-packet one-way delay: 80.802 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 312.20 Mbit/s
95th percentile per-packet one-way delay: 78.338 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 262.63 Mbit/s
95th percentile per-packet one-way delay: 91.388 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 164.80 Mbit/s
95th percentile per-packet one-way delay: 69.985 ms
Loss rate: 1.49%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-02 07:32:15

End at: 2018-07-02 07:32:45

Local clock offset: 0.016 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-02 10:35:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.88 Mbit/s

95th percentile per-packet one-way delay: 108.899 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 268.96 Mbit/s

95th percentile per-packet one-way delay: 160.149 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 214.10 Mbit/s

95th percentile per-packet one-way delay: 51.102 ms

Loss rate: 0.63%

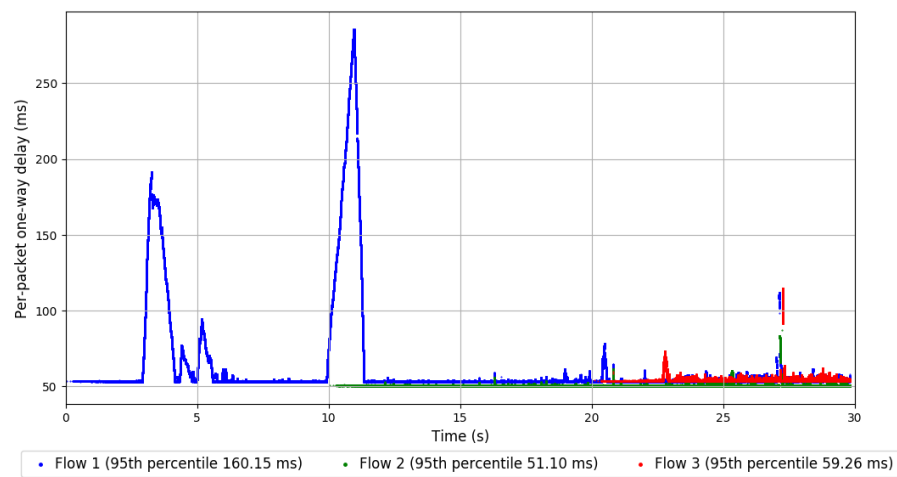
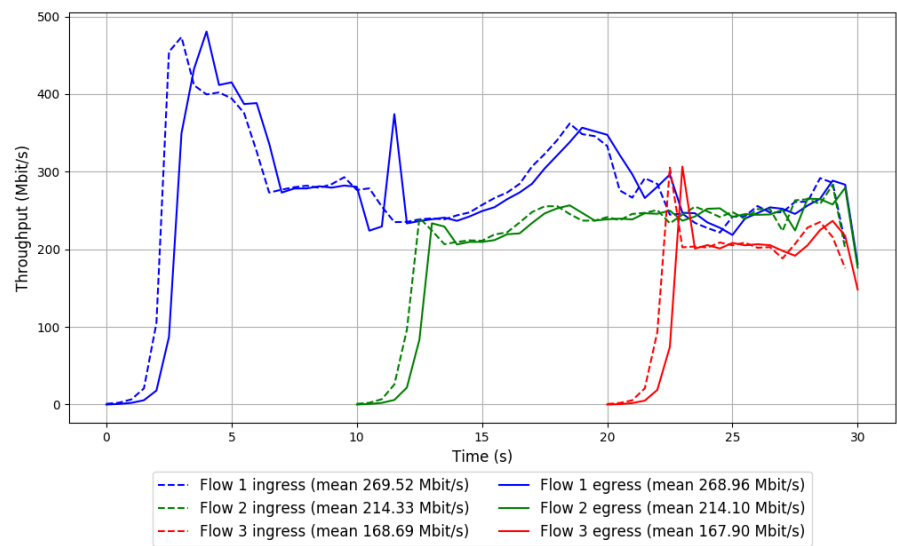
-- Flow 3:

Average throughput: 167.90 Mbit/s

95th percentile per-packet one-way delay: 59.264 ms

Loss rate: 1.56%

Run 9: Report of PCC-Vivace — Data Link

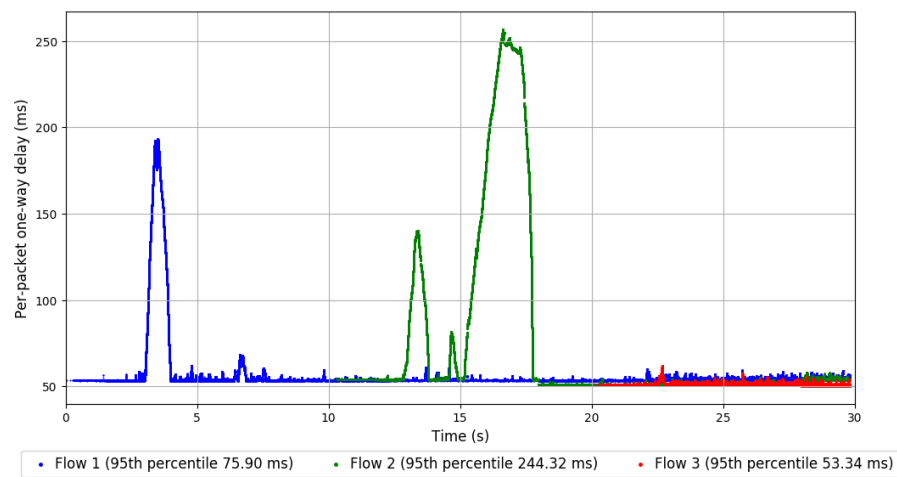
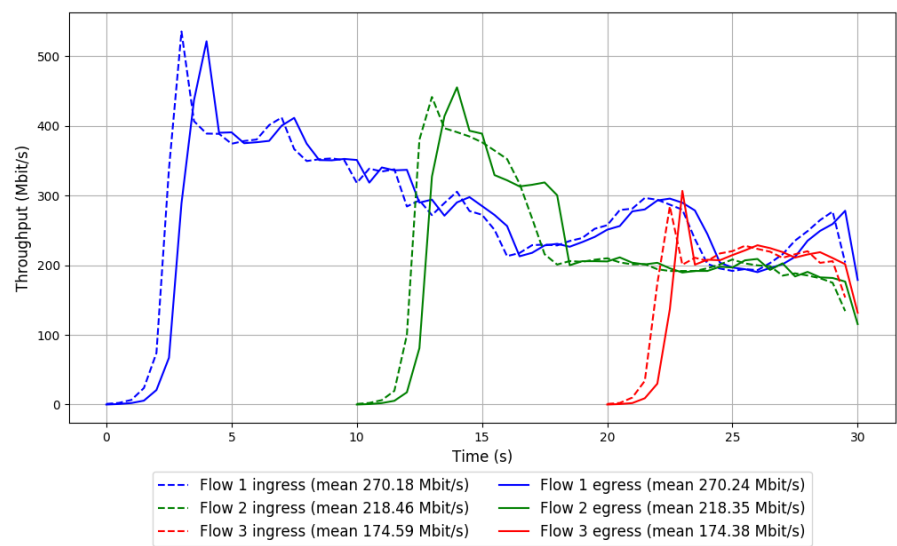


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-02 07:56:10
End at: 2018-07-02 07:56:40
Local clock offset: -0.078 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.24 Mbit/s
95th percentile per-packet one-way delay: 163.015 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 270.24 Mbit/s
95th percentile per-packet one-way delay: 75.903 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 218.35 Mbit/s
95th percentile per-packet one-way delay: 244.324 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 174.38 Mbit/s
95th percentile per-packet one-way delay: 53.340 ms
Loss rate: 1.23%

Run 10: Report of PCC-Vivace — Data Link

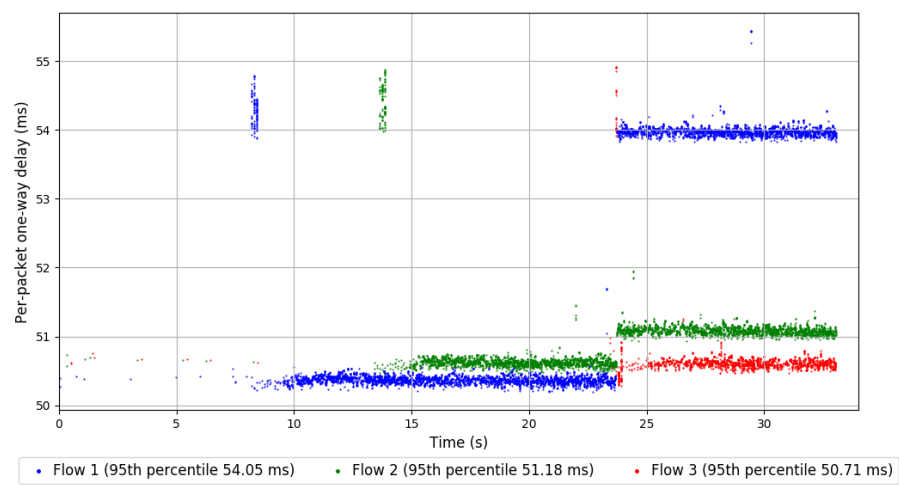
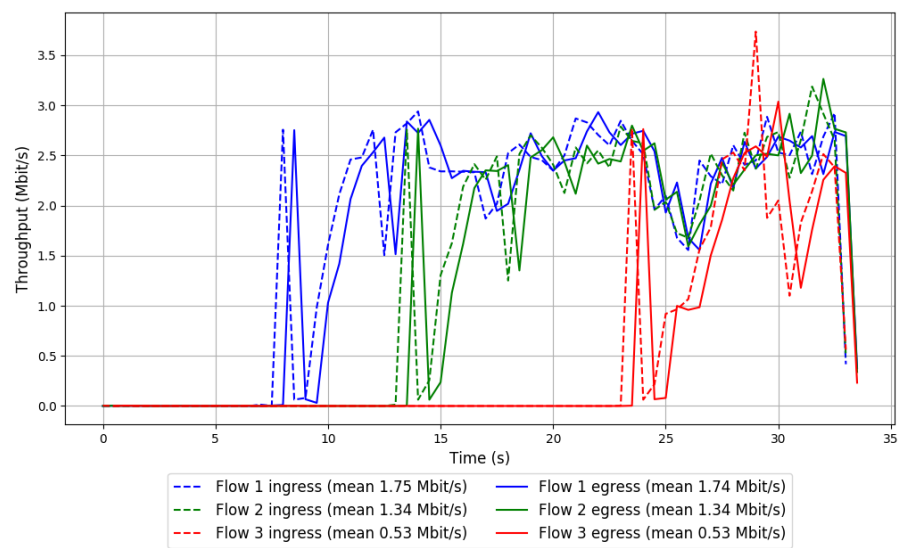


Run 1: Statistics of WebRTC media

Start at: 2018-07-02 04:16:08
End at: 2018-07-02 04:16:38
Local clock offset: 0.052 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 54.019 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 54.046 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 51.180 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.711 ms
Loss rate: 1.61%

Run 1: Report of WebRTC media — Data Link

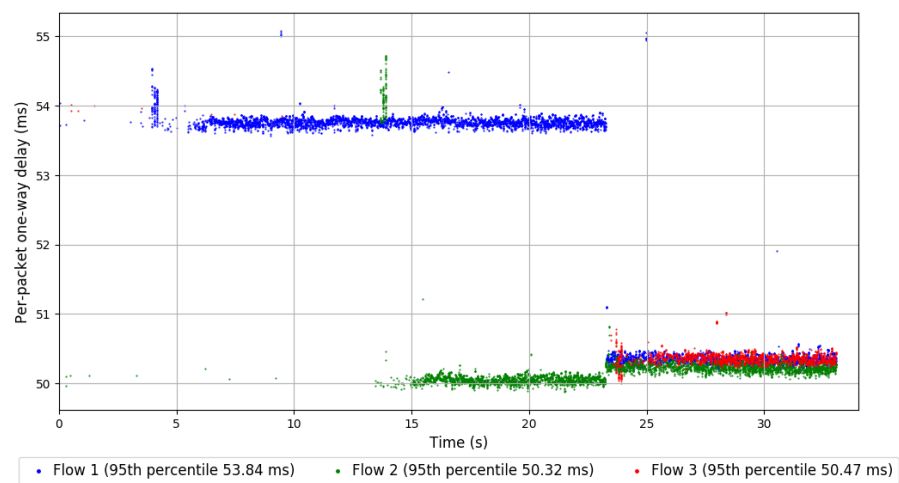
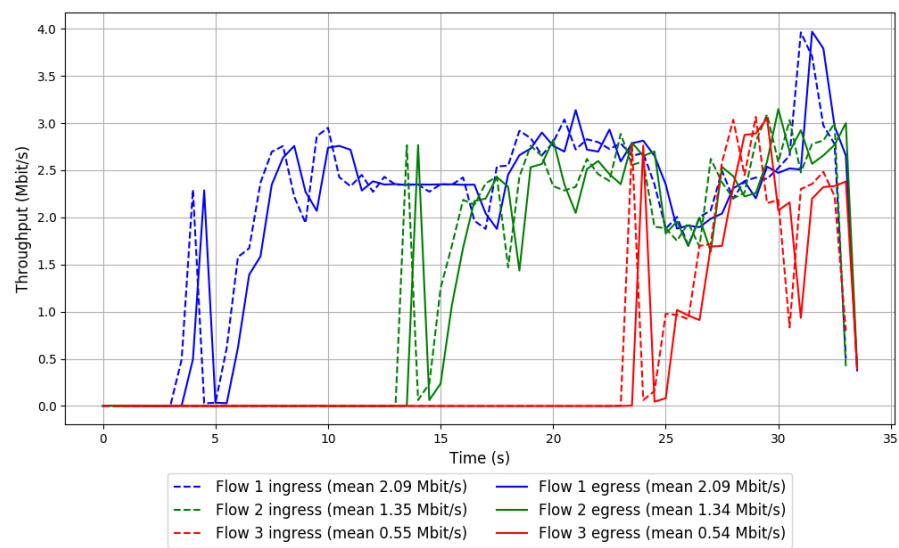


Run 2: Statistics of WebRTC media

Start at: 2018-07-02 04:39:48
End at: 2018-07-02 04:40:18
Local clock offset: 0.0 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 53.823 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 53.842 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.324 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 50.468 ms
Loss rate: 1.74%

Run 2: Report of WebRTC media — Data Link

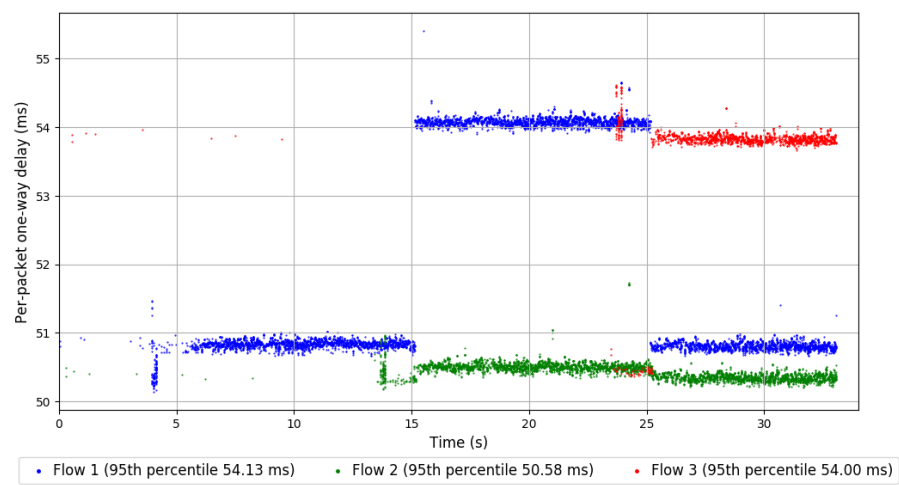
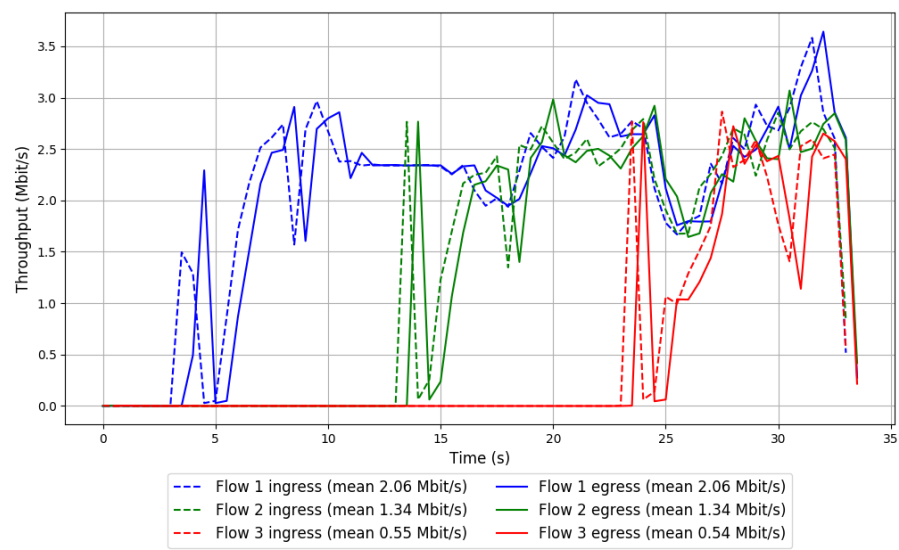


Run 3: Statistics of WebRTC media

Start at: 2018-07-02 05:03:46
End at: 2018-07-02 05:04:16
Local clock offset: 0.156 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 54.112 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 54.129 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.583 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.999 ms
Loss rate: 1.56%

Run 3: Report of WebRTC media — Data Link

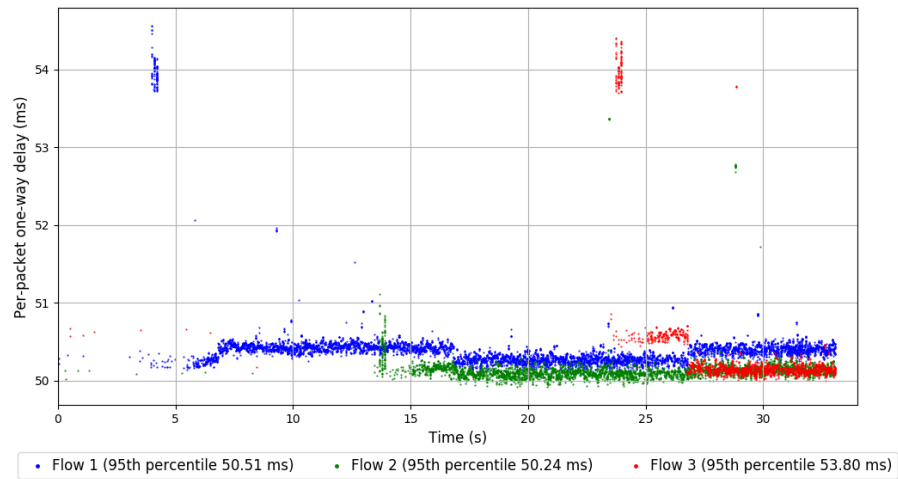
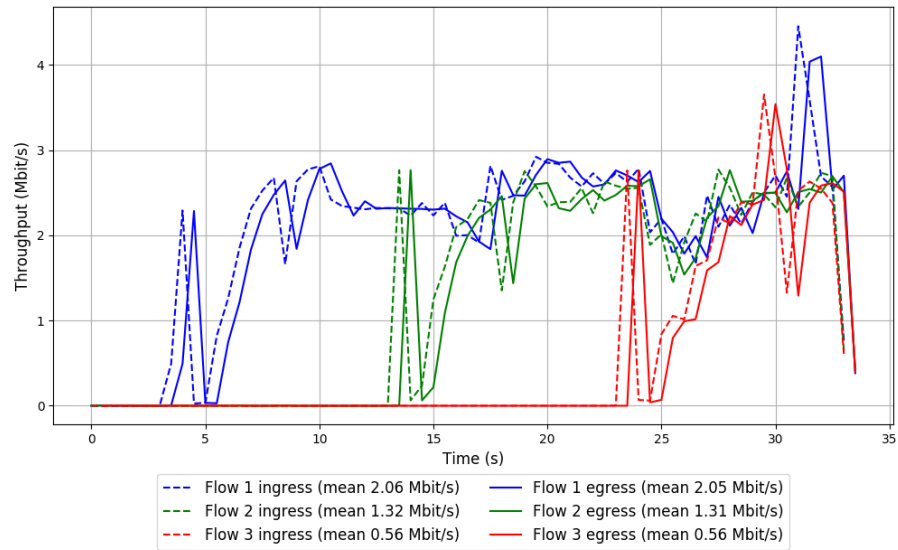


Run 4: Statistics of WebRTC media

Start at: 2018-07-02 05:27:25
End at: 2018-07-02 05:27:55
Local clock offset: -0.032 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 50.513 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.506 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 50.237 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 53.804 ms
Loss rate: 1.17%

Run 4: Report of WebRTC media — Data Link

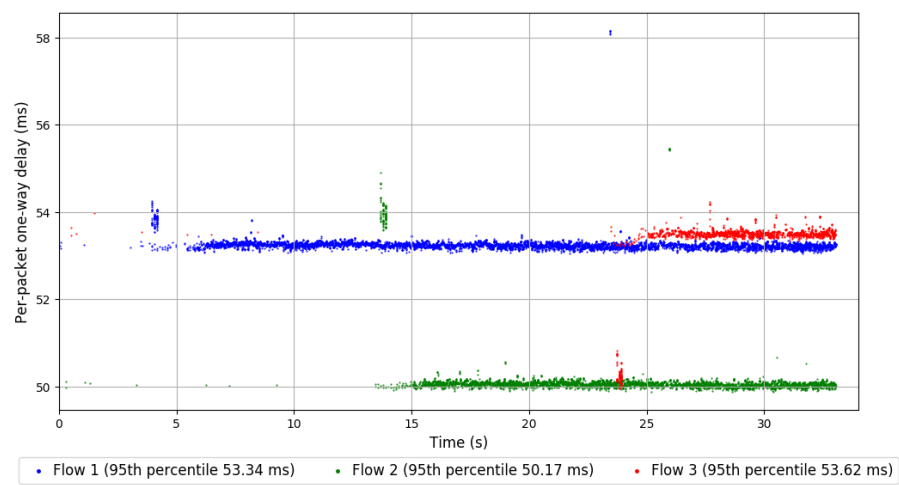
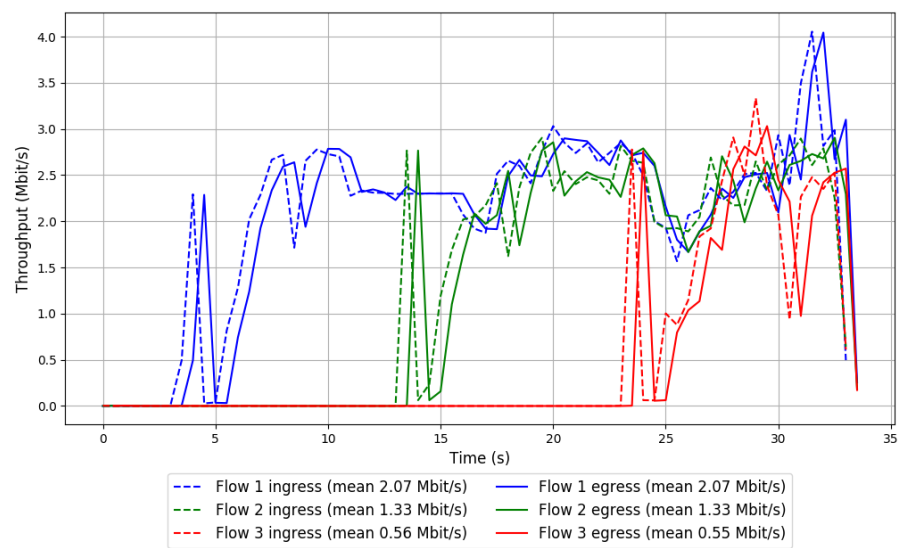


Run 5: Statistics of WebRTC media

Start at: 2018-07-02 05:50:47
End at: 2018-07-02 05:51:17
Local clock offset: -0.122 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 53.535 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 53.336 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 50.169 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 53.623 ms
Loss rate: 1.68%

Run 5: Report of WebRTC media — Data Link

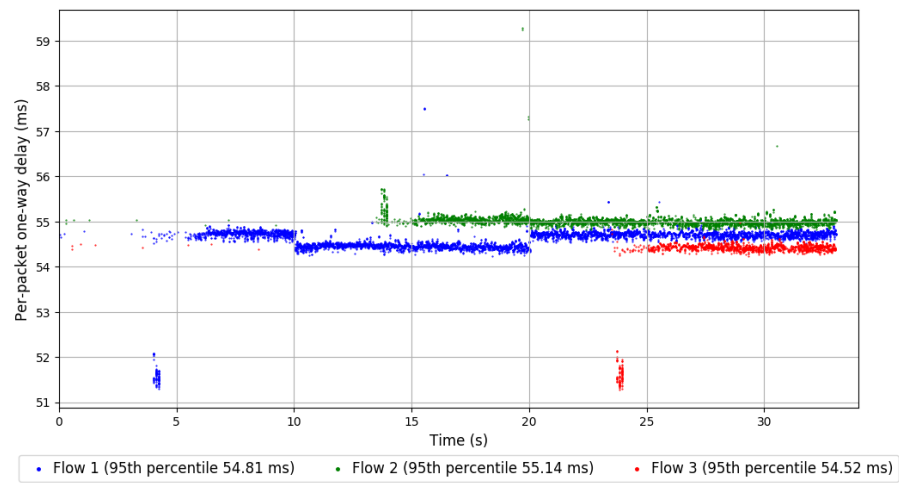
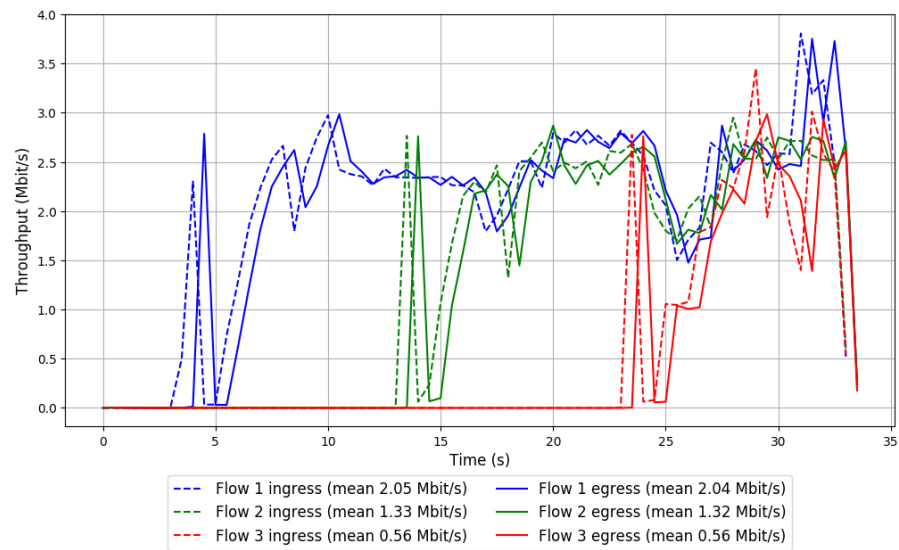


Run 6: Statistics of WebRTC media

Start at: 2018-07-02 06:14:51
End at: 2018-07-02 06:15:21
Local clock offset: -0.225 ms
Remote clock offset: -1.567 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 55.076 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 54.807 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 55.142 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 54.522 ms
Loss rate: 1.49%

Run 6: Report of WebRTC media — Data Link

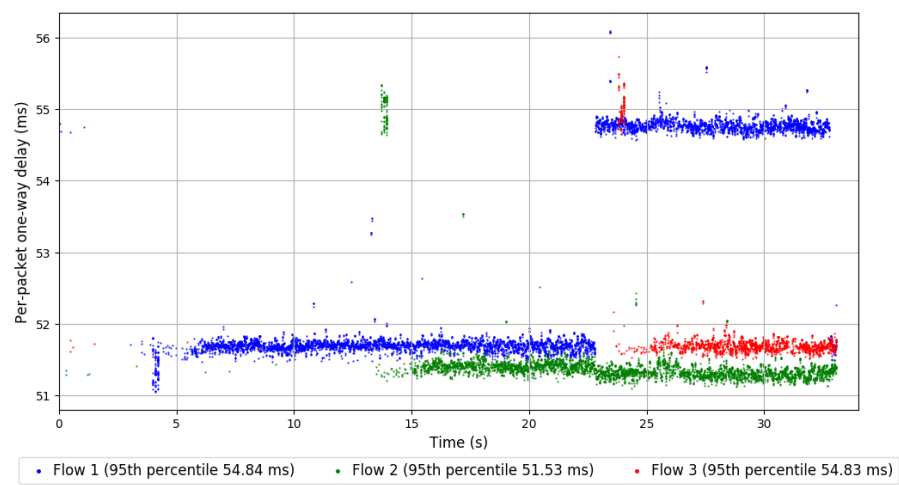
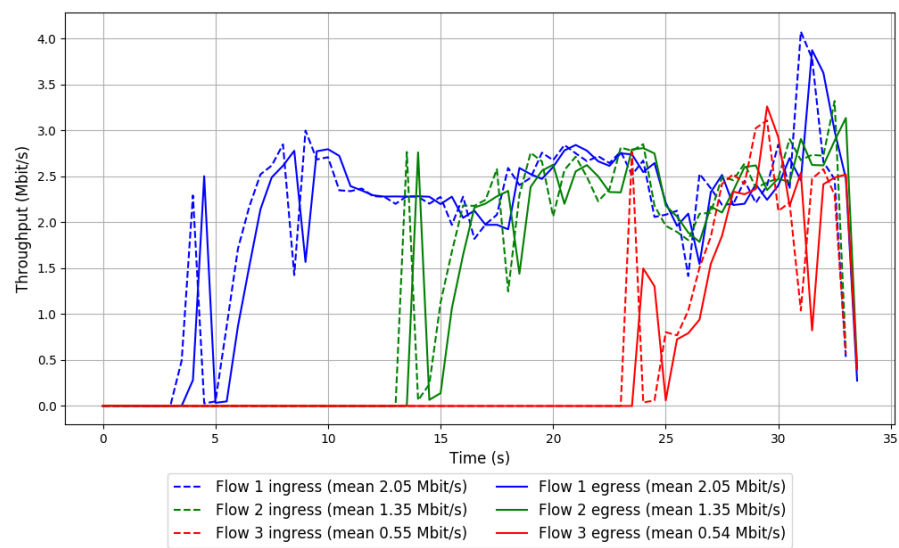


Run 7: Statistics of WebRTC media

Start at: 2018-07-02 06:38:49
End at: 2018-07-02 06:39:19
Local clock offset: -0.305 ms
Remote clock offset: -1.374 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 54.827 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 54.844 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 51.528 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 54.830 ms
Loss rate: 0.98%

Run 7: Report of WebRTC media — Data Link

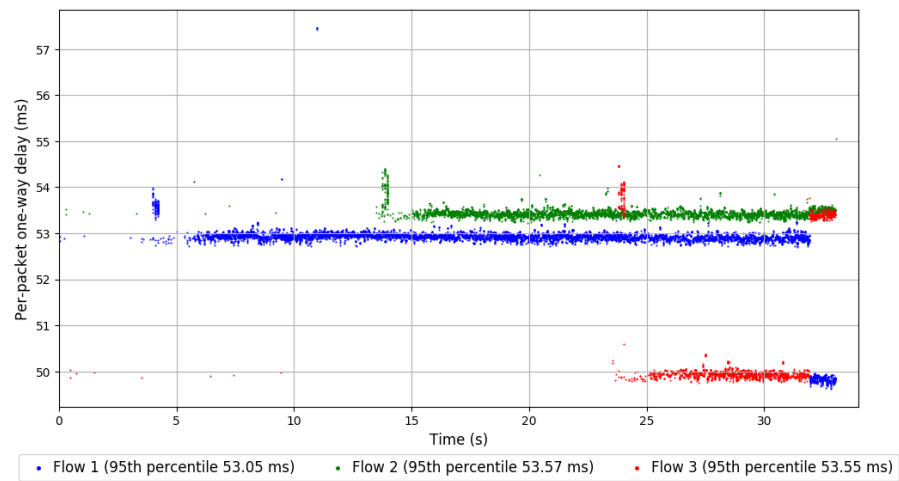
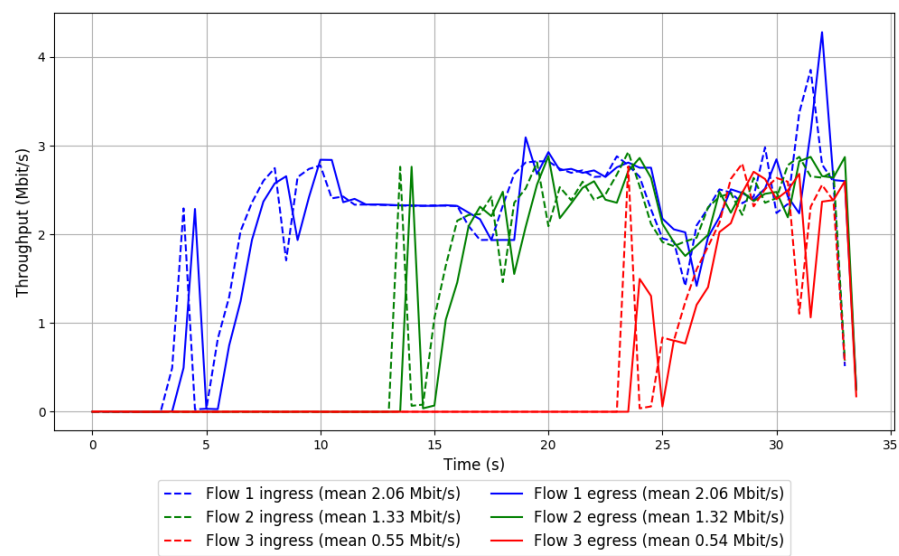


Run 8: Statistics of WebRTC media

Start at: 2018-07-02 07:02:59
End at: 2018-07-02 07:03:29
Local clock offset: -0.387 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-02 10:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 53.523 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 53.048 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 53.569 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.546 ms
Loss rate: 1.53%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-02 07:26:55

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

Local clock offset: -0.1 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-02 10:35:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 53.840 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 51.070 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 53.877 ms

Loss rate: 0.89%

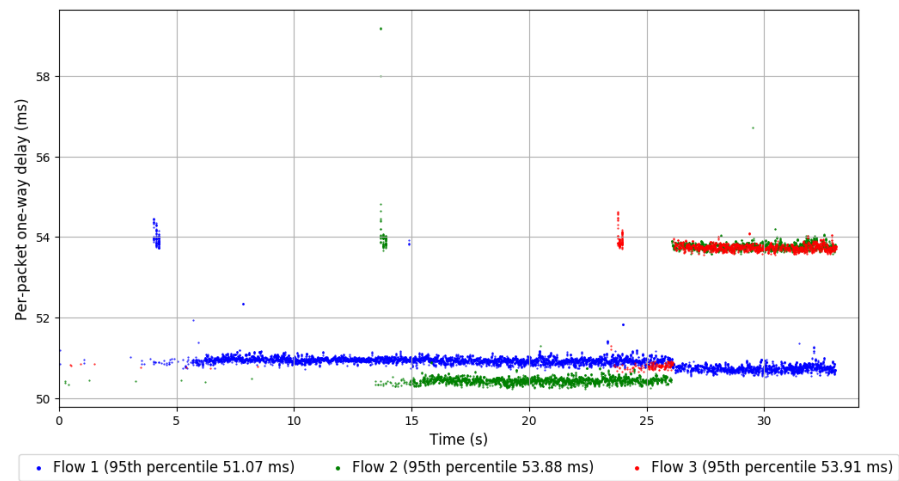
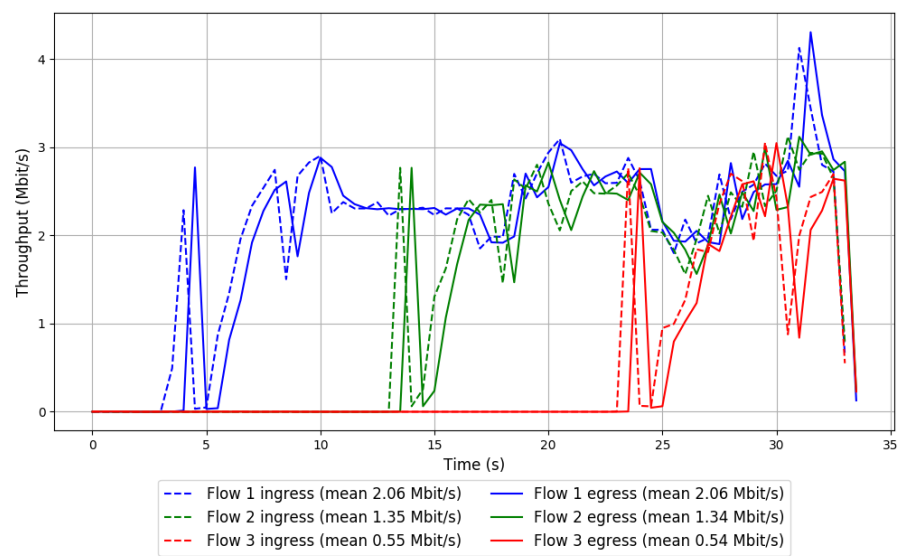
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 53.905 ms

Loss rate: 1.59%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-02 07:50:58

End at: 2018-07-02 07:51:28

Local clock offset: 0.1 ms

Remote clock offset: 1.126 ms

Below is generated by plot.py at 2018-07-02 10:35:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 52.900 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 52.923 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 49.775 ms

Loss rate: 0.49%

-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 49.516 ms

Loss rate: 1.59%

Run 10: Report of WebRTC media — Data Link

