

Pantheon Report

Generated at 2018-07-26 12:11:47 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

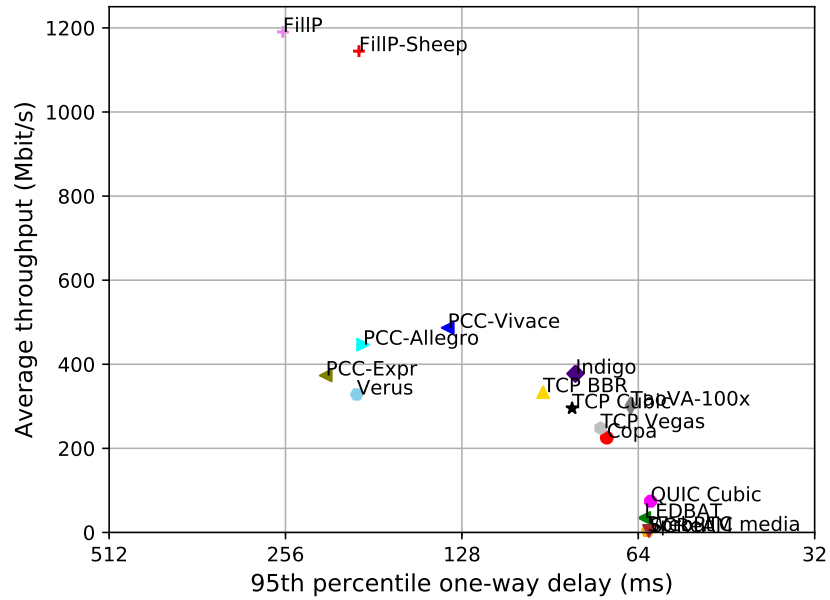
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

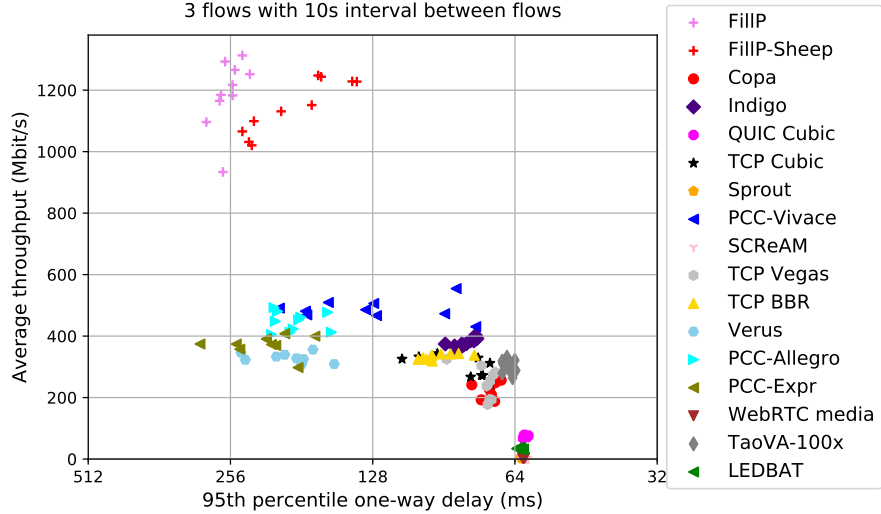
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	172.50	167.15	152.03	90.73	93.36	95.97	0.41	0.71	1.57
Copa	10	136.72	96.48	83.92	72.89	72.82	69.91	0.35	0.63	1.41
TCP Cubic	10	170.57	126.95	123.48	81.63	83.32	83.83	0.47	1.28	2.25
FillP	10	600.26	617.10	547.80	264.33	256.42	198.74	5.90	6.88	7.38
FillP-Sheep	10	599.87	548.15	549.46	182.56	191.24	158.80	1.11	1.85	2.25
Indigo	10	205.02	198.27	119.57	79.72	82.51	85.50	0.41	0.61	1.43
LEDBAT	10	22.16	14.97	7.62	62.59	62.44	62.07	0.83	1.27	2.51
PCC-Allegro	10	416.64	37.80	14.91	188.55	175.71	159.41	1.63	1.82	2.68
PCC-Expr	10	259.93	154.72	32.94	223.05	179.42	181.60	3.93	2.19	4.15
QUIC Cubic	10	45.49	33.78	18.54	60.92	60.92	61.18	0.64	1.01	3.11
SCReAM	10	0.22	0.22	0.22	61.15	61.02	60.99	0.38	0.61	1.15
Sprout	10	1.19	1.78	1.21	61.57	61.68	61.55	0.20	0.29	0.48
TaoVA-100x	10	189.15	121.17	114.56	65.27	66.30	68.02	0.40	0.54	1.17
TCP Vegas	10	141.95	134.81	50.56	72.74	73.61	78.07	0.43	0.49	2.27
Verus	10	200.54	143.10	99.81	166.73	191.89	249.49	1.58	2.46	5.38
PCC-Vivace	10	290.45	238.73	115.51	140.93	114.08	71.32	0.67	0.71	1.74
WebRTC media	10	1.95	1.29	0.52	61.36	61.33	61.35	0.48	0.74	1.79

Run 1: Statistics of TCP BBR

Start at: 2018-07-26 04:51:21

End at: 2018-07-26 04:51:51

Local clock offset: -0.031 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-07-26 09:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 341.86 Mbit/s

95th percentile per-packet one-way delay: 87.558 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 176.24 Mbit/s

95th percentile per-packet one-way delay: 85.923 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 170.12 Mbit/s

95th percentile per-packet one-way delay: 87.770 ms

Loss rate: 0.72%

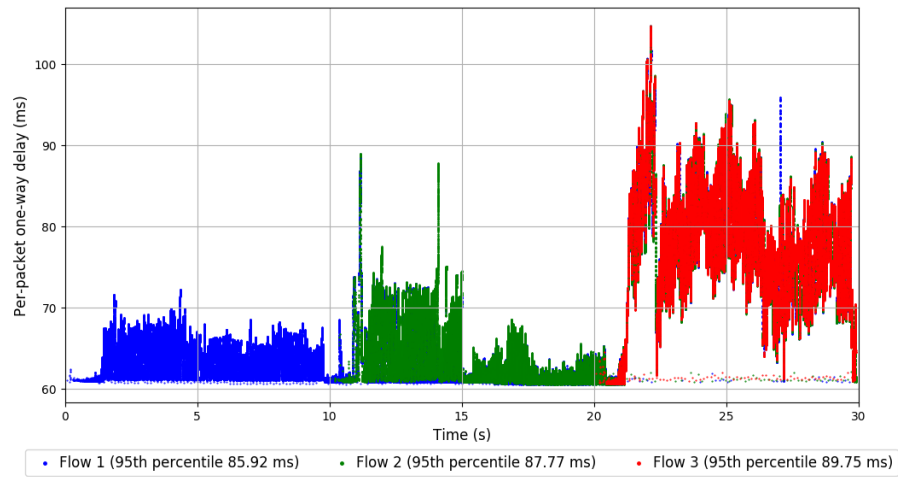
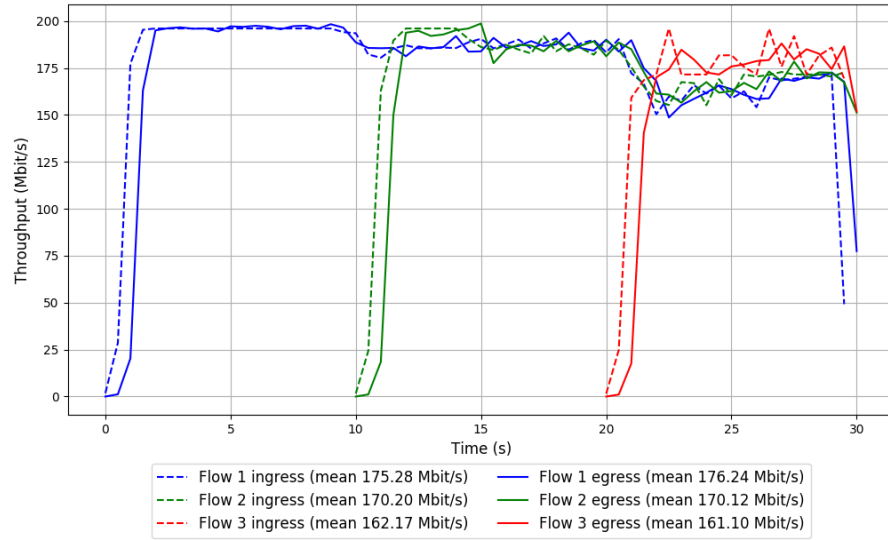
-- Flow 3:

Average throughput: 161.10 Mbit/s

95th percentile per-packet one-way delay: 89.752 ms

Loss rate: 1.51%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-26 05:16:46

End at: 2018-07-26 05:17:16

Local clock offset: -0.049 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-07-26 09:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.53 Mbit/s

95th percentile per-packet one-way delay: 98.497 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 167.95 Mbit/s

95th percentile per-packet one-way delay: 96.366 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 160.00 Mbit/s

95th percentile per-packet one-way delay: 98.780 ms

Loss rate: 0.66%

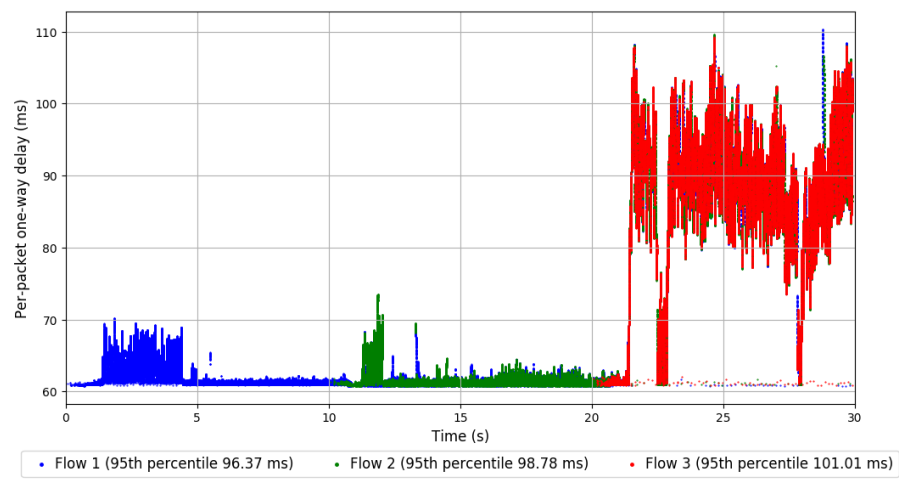
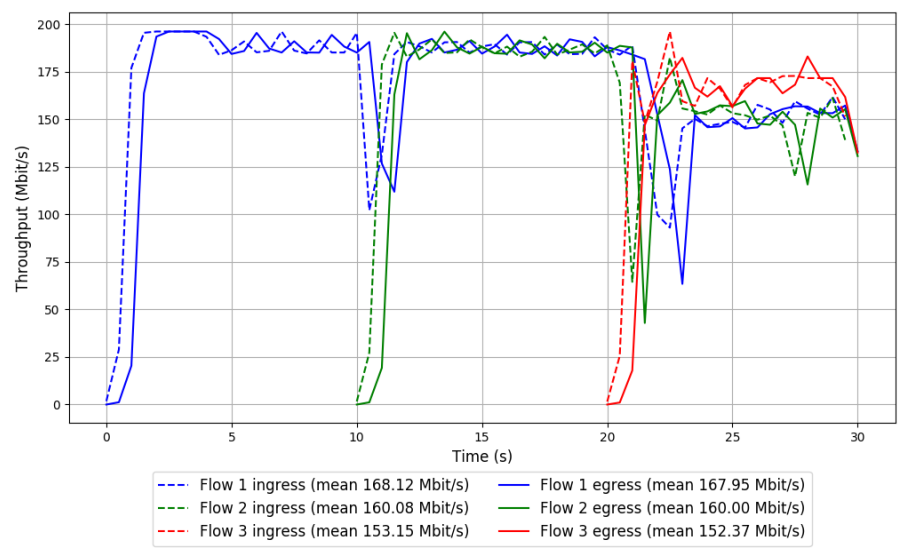
-- Flow 3:

Average throughput: 152.37 Mbit/s

95th percentile per-packet one-way delay: 101.007 ms

Loss rate: 1.61%

Run 2: Report of TCP BBR — Data Link

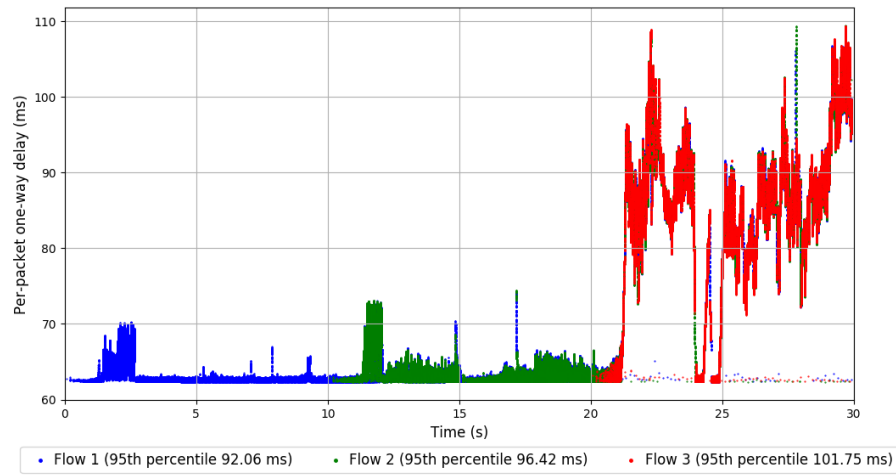
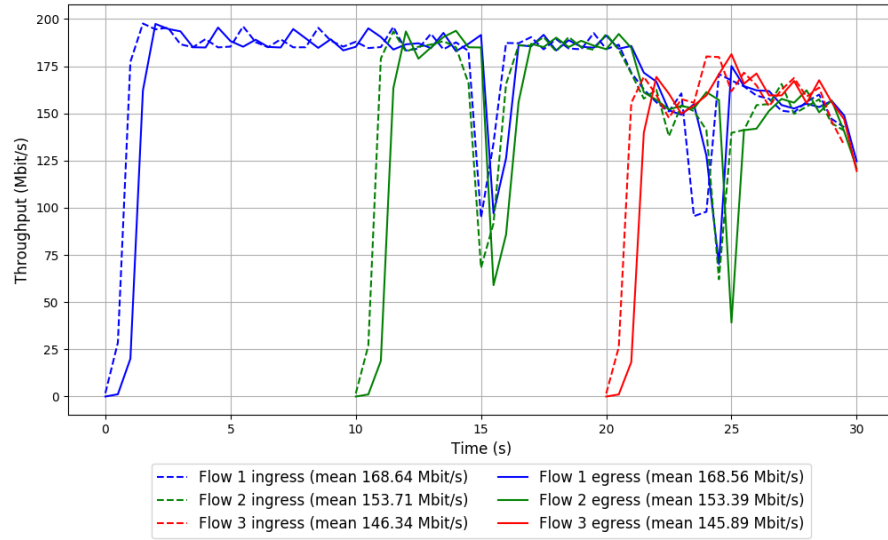


Run 3: Statistics of TCP BBR

Start at: 2018-07-26 05:41:43
End at: 2018-07-26 05:42:13
Local clock offset: 0.016 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2018-07-26 09:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.62 Mbit/s
95th percentile per-packet one-way delay: 95.780 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 168.56 Mbit/s
95th percentile per-packet one-way delay: 92.064 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 153.39 Mbit/s
95th percentile per-packet one-way delay: 96.417 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 145.89 Mbit/s
95th percentile per-packet one-way delay: 101.747 ms
Loss rate: 1.54%

Run 3: Report of TCP BBR — Data Link

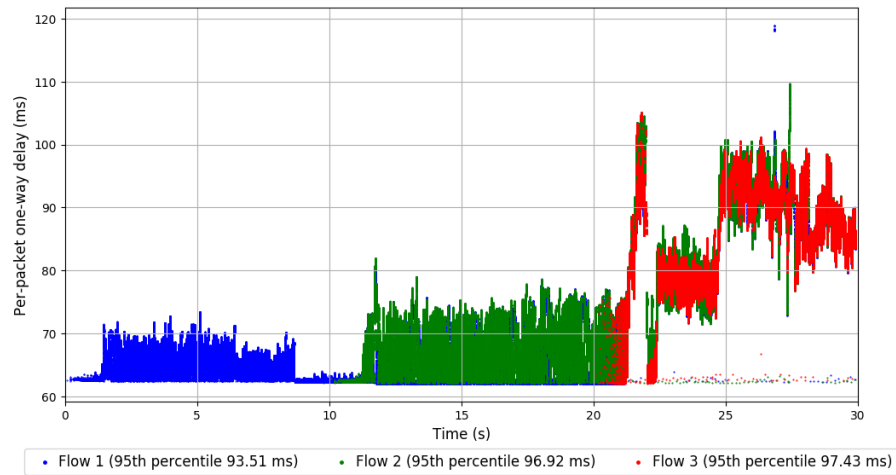
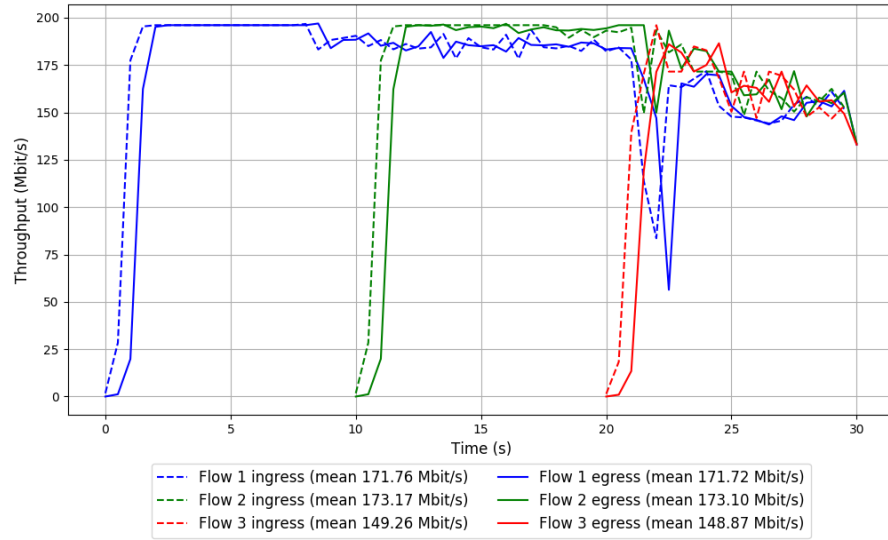


Run 4: Statistics of TCP BBR

Start at: 2018-07-26 06:06:45
End at: 2018-07-26 06:07:15
Local clock offset: 0.066 ms
Remote clock offset: -1.267 ms

Below is generated by plot.py at 2018-07-26 09:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.82 Mbit/s
95th percentile per-packet one-way delay: 95.882 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 171.72 Mbit/s
95th percentile per-packet one-way delay: 93.513 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 173.10 Mbit/s
95th percentile per-packet one-way delay: 96.918 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 97.430 ms
Loss rate: 1.50%

Run 4: Report of TCP BBR — Data Link

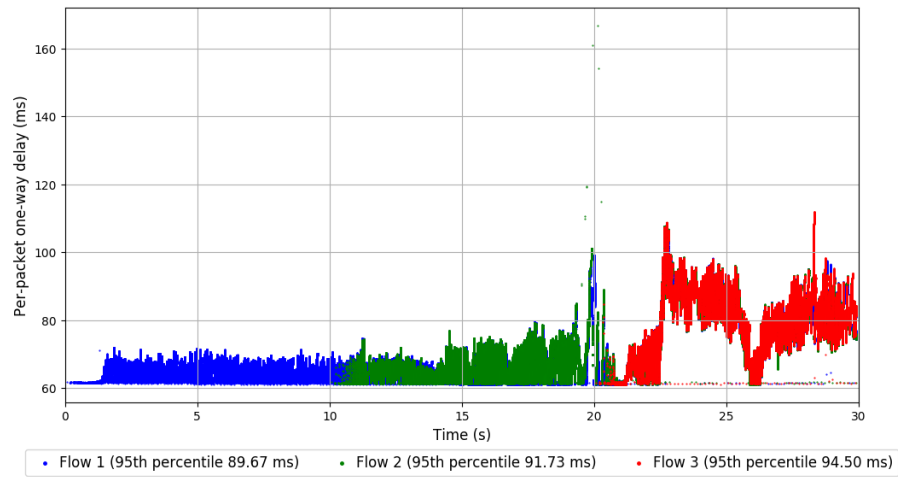
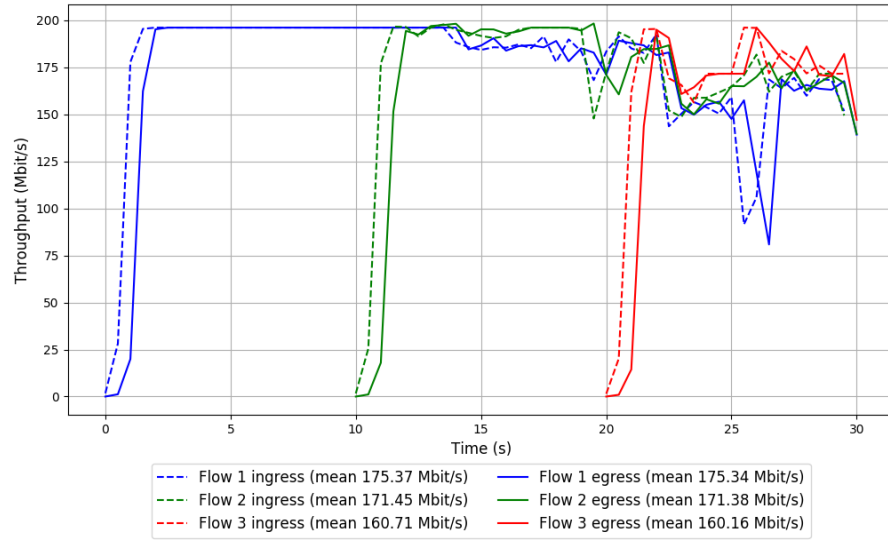


Run 5: Statistics of TCP BBR

Start at: 2018-07-26 06:31:52
End at: 2018-07-26 06:32:22
Local clock offset: 0.133 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-07-26 09:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.98 Mbit/s
95th percentile per-packet one-way delay: 91.791 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 175.34 Mbit/s
95th percentile per-packet one-way delay: 89.665 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 171.38 Mbit/s
95th percentile per-packet one-way delay: 91.733 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 160.16 Mbit/s
95th percentile per-packet one-way delay: 94.502 ms
Loss rate: 1.53%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-26 06:57:03

End at: 2018-07-26 06:57:33

Local clock offset: 0.204 ms

Remote clock offset: 1.437 ms

Below is generated by plot.py at 2018-07-26 09:12:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.14 Mbit/s

95th percentile per-packet one-way delay: 84.248 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 177.13 Mbit/s

95th percentile per-packet one-way delay: 82.874 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 168.21 Mbit/s

95th percentile per-packet one-way delay: 84.710 ms

Loss rate: 0.73%

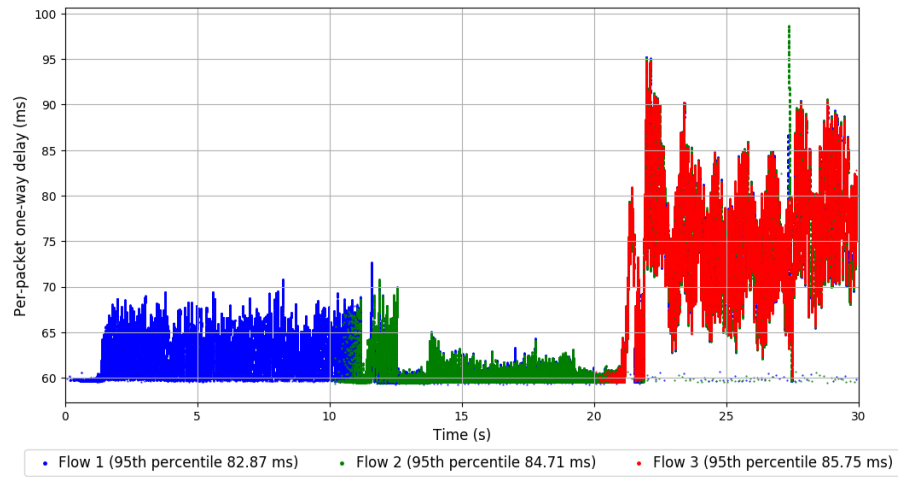
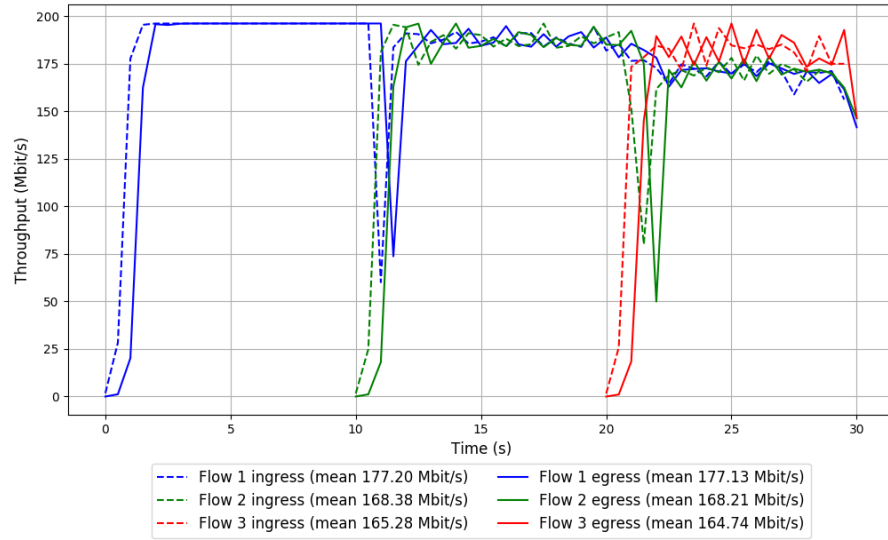
-- Flow 3:

Average throughput: 164.74 Mbit/s

95th percentile per-packet one-way delay: 85.755 ms

Loss rate: 1.52%

Run 6: Report of TCP BBR — Data Link

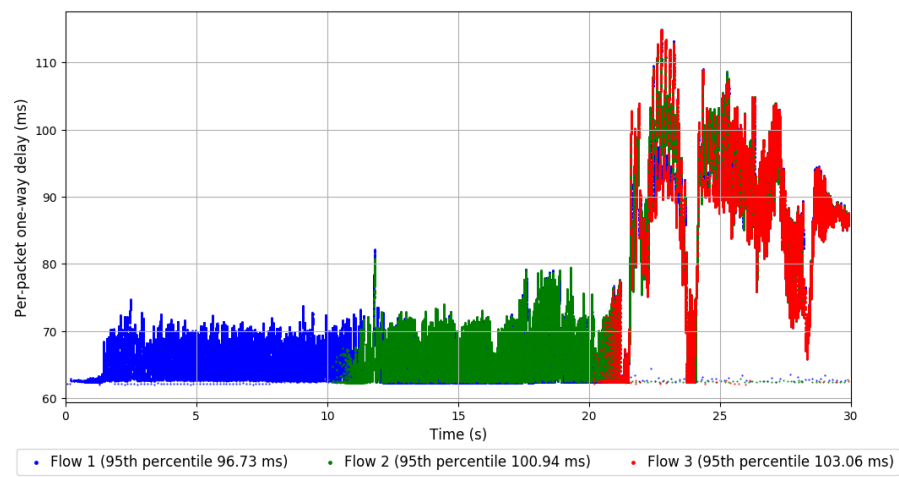
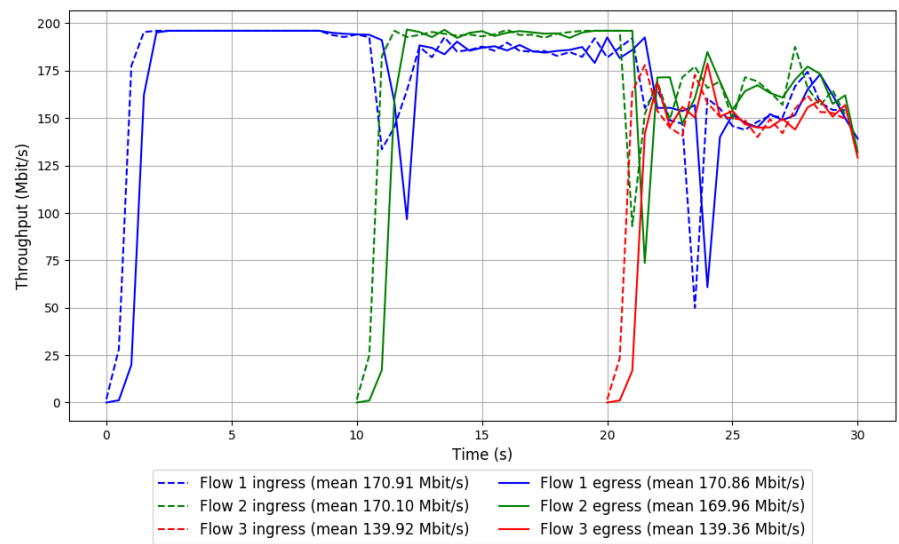


Run 7: Statistics of TCP BBR

Start at: 2018-07-26 07:22:19
End at: 2018-07-26 07:22:49
Local clock offset: 0.239 ms
Remote clock offset: -1.391 ms

Below is generated by plot.py at 2018-07-26 09:12:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.74 Mbit/s
95th percentile per-packet one-way delay: 100.183 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 170.86 Mbit/s
95th percentile per-packet one-way delay: 96.727 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 169.96 Mbit/s
95th percentile per-packet one-way delay: 100.936 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 139.36 Mbit/s
95th percentile per-packet one-way delay: 103.065 ms
Loss rate: 1.62%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-26 07:47:33

End at: 2018-07-26 07:48:03

Local clock offset: 0.266 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-26 09:12:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.34 Mbit/s

95th percentile per-packet one-way delay: 95.976 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 174.66 Mbit/s

95th percentile per-packet one-way delay: 93.000 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 168.89 Mbit/s

95th percentile per-packet one-way delay: 95.548 ms

Loss rate: 0.71%

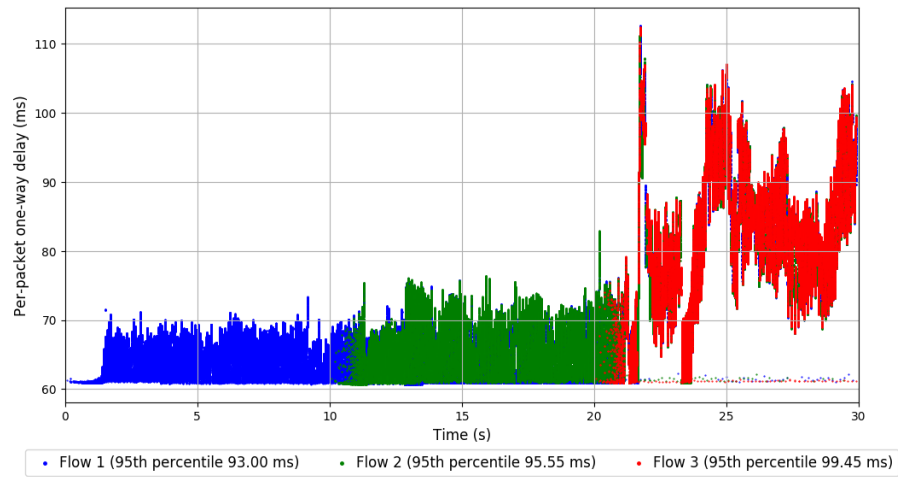
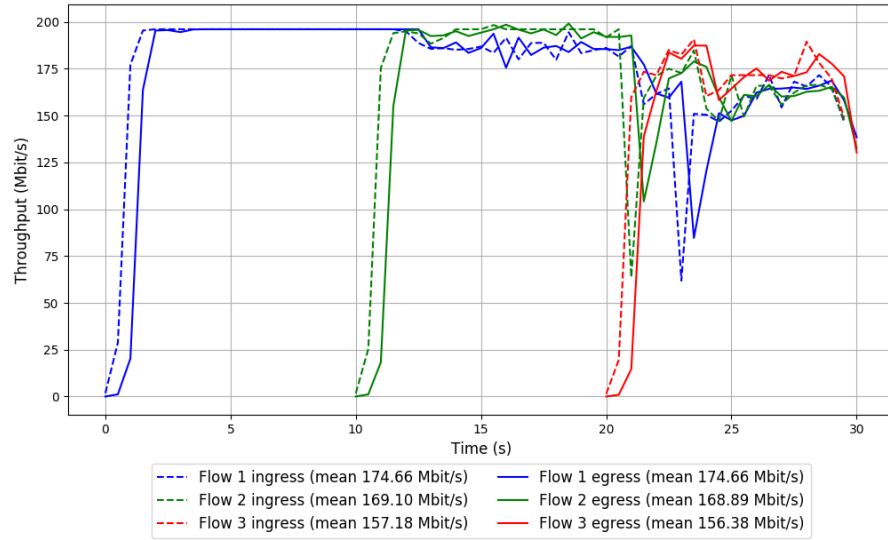
-- Flow 3:

Average throughput: 156.38 Mbit/s

95th percentile per-packet one-way delay: 99.449 ms

Loss rate: 1.57%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-26 08:12:41

End at: 2018-07-26 08:13:11

Local clock offset: 0.267 ms

Remote clock offset: 1.294 ms

Below is generated by plot.py at 2018-07-26 09:17:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.52 Mbit/s

95th percentile per-packet one-way delay: 102.561 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 168.91 Mbit/s

95th percentile per-packet one-way delay: 100.755 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 164.77 Mbit/s

95th percentile per-packet one-way delay: 102.934 ms

Loss rate: 0.74%

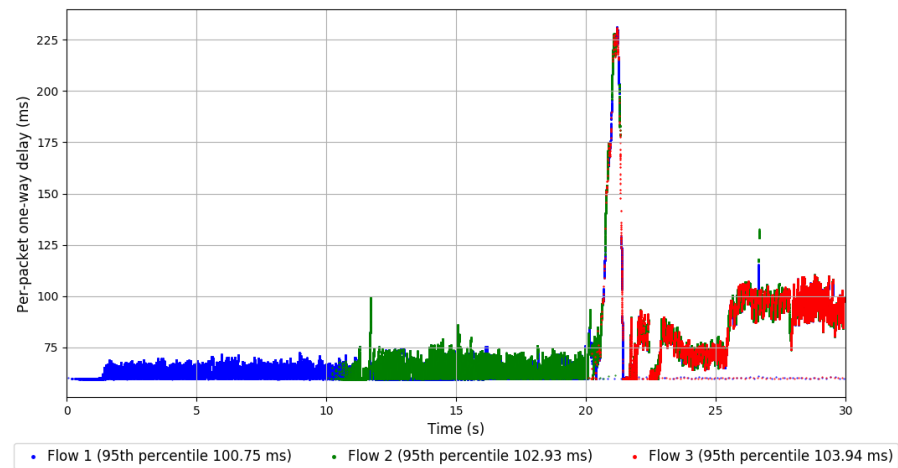
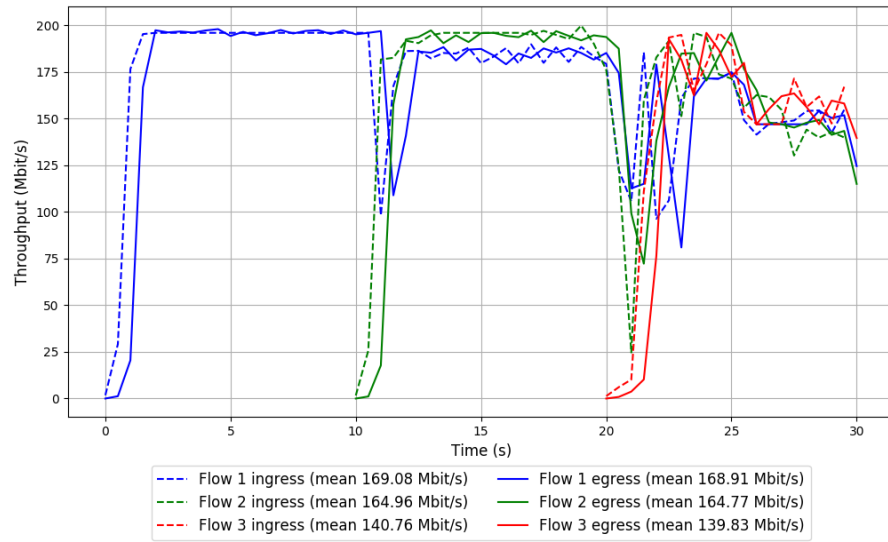
-- Flow 3:

Average throughput: 139.83 Mbit/s

95th percentile per-packet one-way delay: 103.942 ms

Loss rate: 1.88%

Run 9: Report of TCP BBR — Data Link

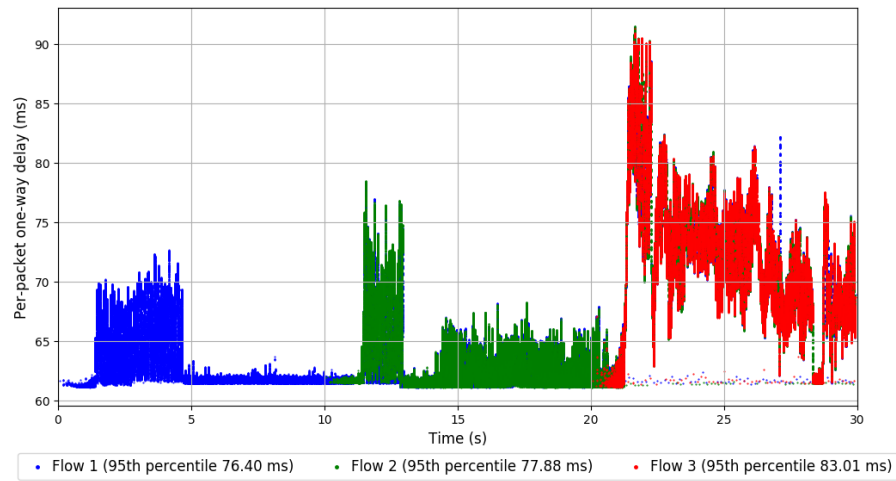
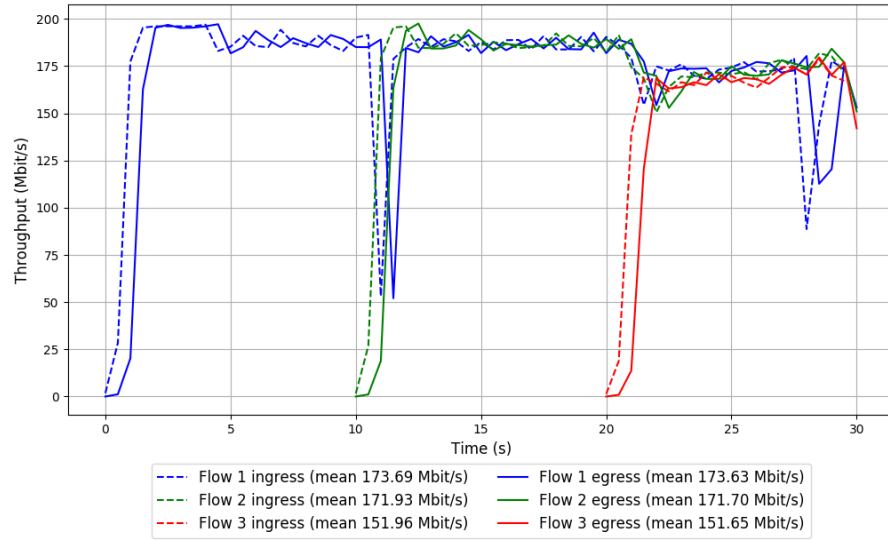


Run 10: Statistics of TCP BBR

Start at: 2018-07-26 08:37:44
End at: 2018-07-26 08:38:14
Local clock offset: 0.305 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-07-26 09:18:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.76 Mbit/s
95th percentile per-packet one-way delay: 78.035 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 173.63 Mbit/s
95th percentile per-packet one-way delay: 76.402 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 171.70 Mbit/s
95th percentile per-packet one-way delay: 77.878 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 151.65 Mbit/s
95th percentile per-packet one-way delay: 83.009 ms
Loss rate: 1.44%

Run 10: Report of TCP BBR — Data Link

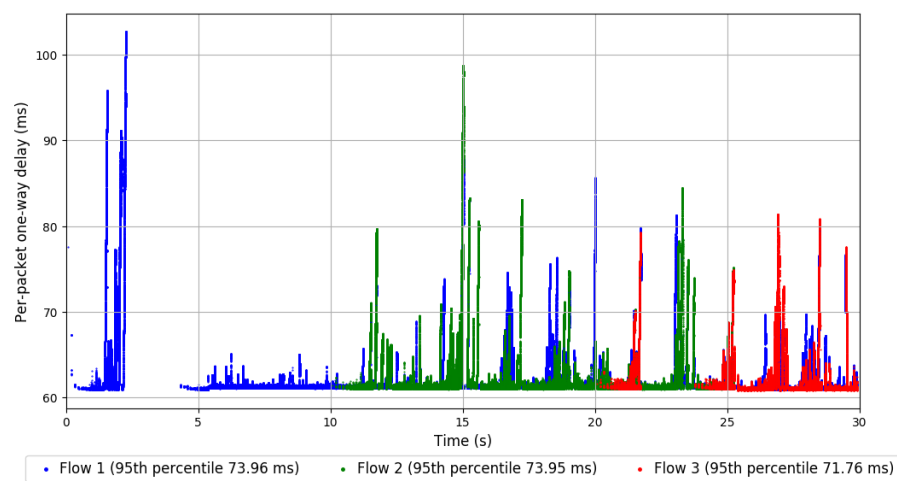
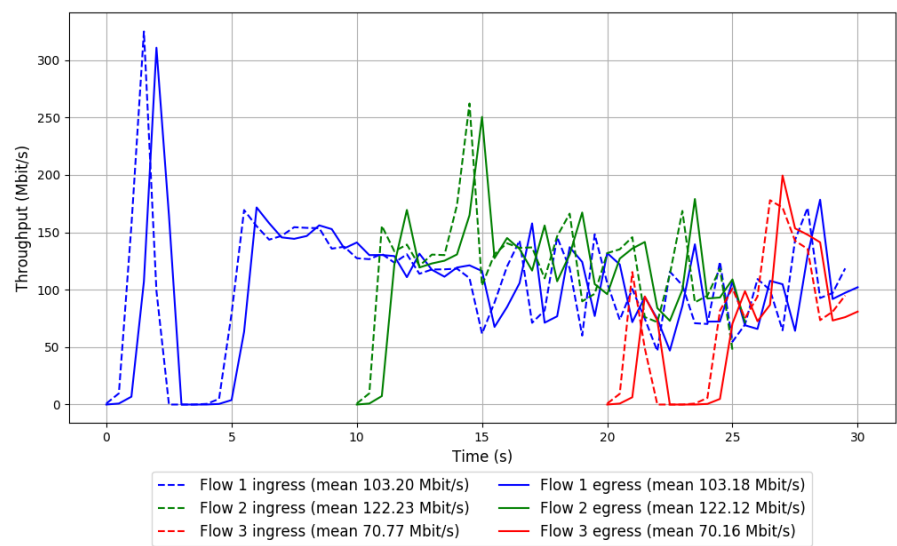


Run 1: Statistics of Copa

Start at: 2018-07-26 04:36:22
End at: 2018-07-26 04:36:52
Local clock offset: -0.068 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-26 09:18:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.39 Mbit/s
95th percentile per-packet one-way delay: 73.633 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 103.18 Mbit/s
95th percentile per-packet one-way delay: 73.959 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 122.12 Mbit/s
95th percentile per-packet one-way delay: 73.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 71.762 ms
Loss rate: 2.08%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-26 05:01:28

End at: 2018-07-26 05:01:58

Local clock offset: 0.003 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-26 09:20:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.44 Mbit/s

95th percentile per-packet one-way delay: 70.441 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 153.12 Mbit/s

95th percentile per-packet one-way delay: 70.778 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 112.53 Mbit/s

95th percentile per-packet one-way delay: 69.175 ms

Loss rate: 0.21%

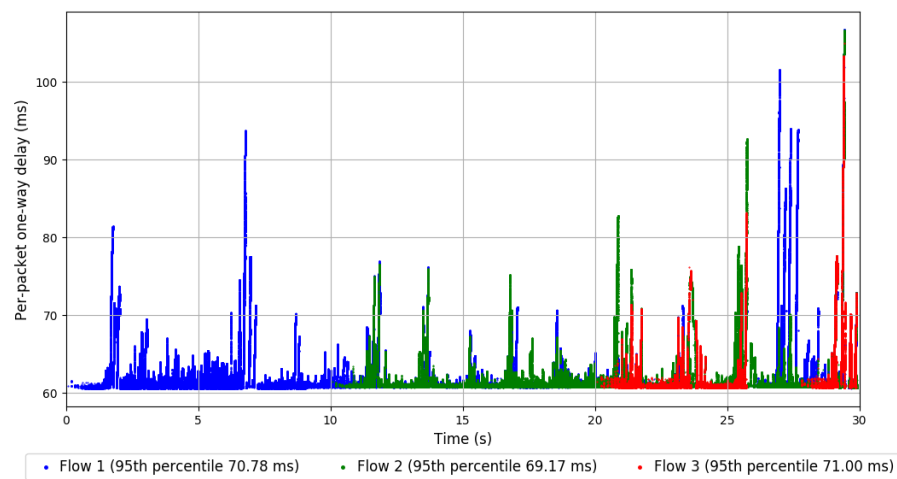
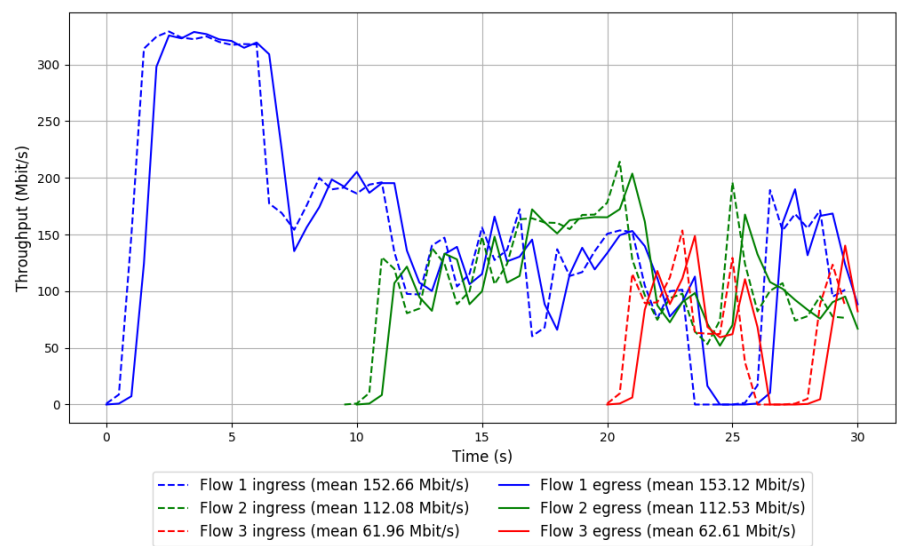
-- Flow 3:

Average throughput: 62.61 Mbit/s

95th percentile per-packet one-way delay: 71.004 ms

Loss rate: 0.37%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-26 05:26:40

End at: 2018-07-26 05:27:10

Local clock offset: -0.085 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-07-26 09:20:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.31 Mbit/s

95th percentile per-packet one-way delay: 71.791 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 128.13 Mbit/s

95th percentile per-packet one-way delay: 70.935 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 77.039 ms

Loss rate: 0.70%

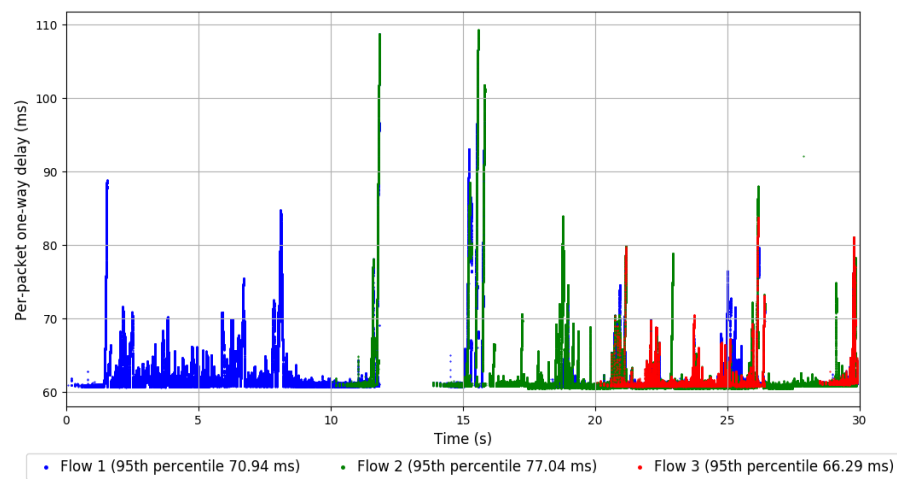
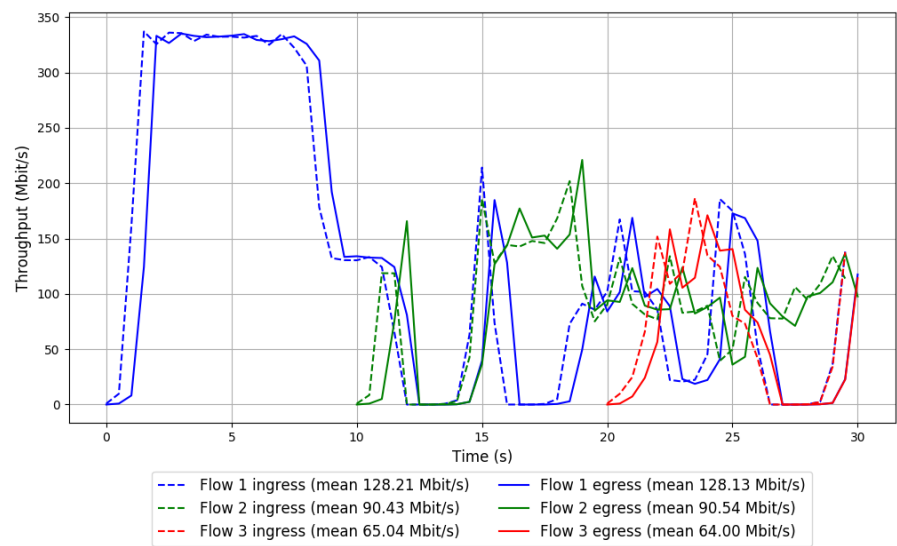
-- Flow 3:

Average throughput: 64.00 Mbit/s

95th percentile per-packet one-way delay: 66.293 ms

Loss rate: 2.77%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-26 05:51:37

End at: 2018-07-26 05:52:07

Local clock offset: 0.055 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-07-26 09:20:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.15 Mbit/s

95th percentile per-packet one-way delay: 72.506 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 138.50 Mbit/s

95th percentile per-packet one-way delay: 73.311 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 84.65 Mbit/s

95th percentile per-packet one-way delay: 74.306 ms

Loss rate: 0.66%

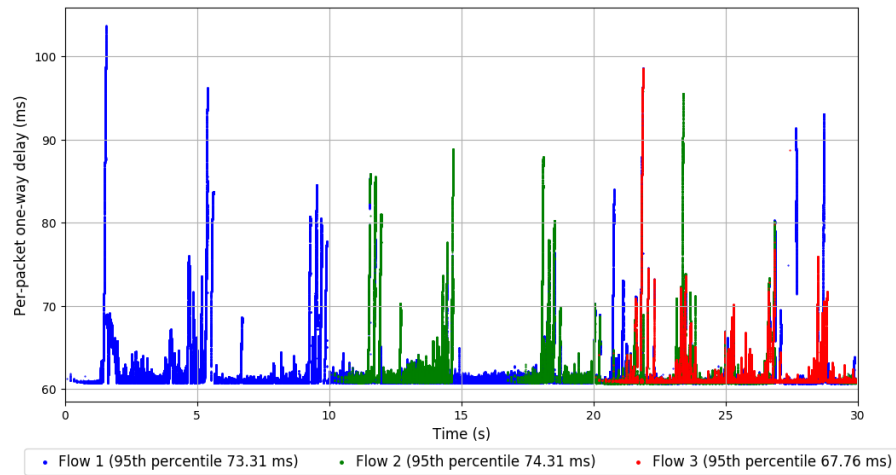
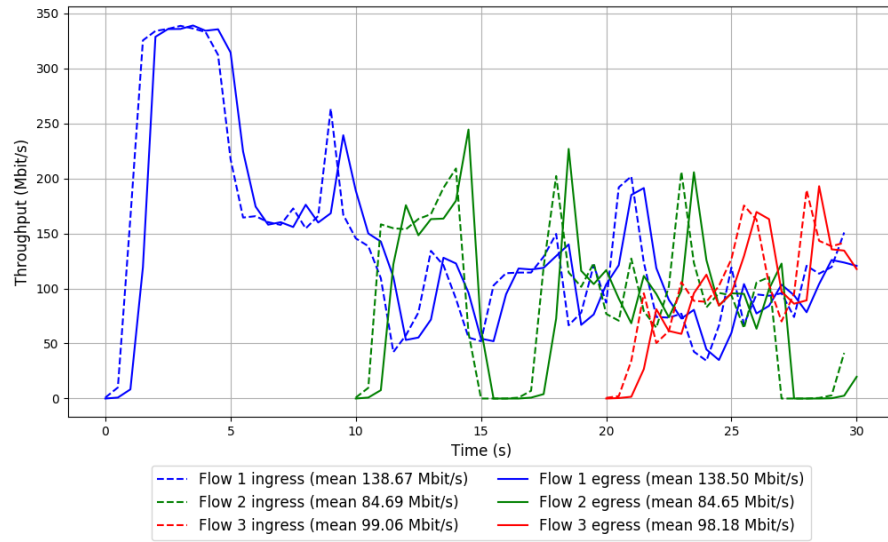
-- Flow 3:

Average throughput: 98.18 Mbit/s

95th percentile per-packet one-way delay: 67.762 ms

Loss rate: 2.11%

Run 4: Report of Copa — Data Link

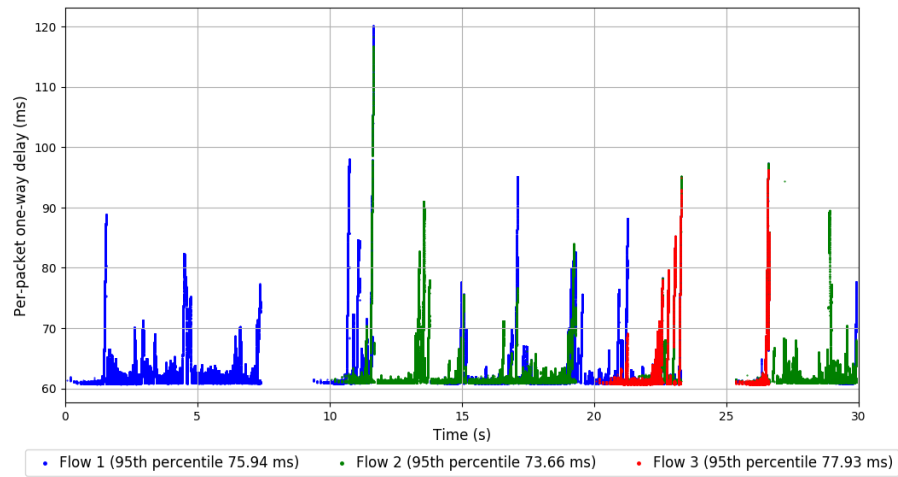
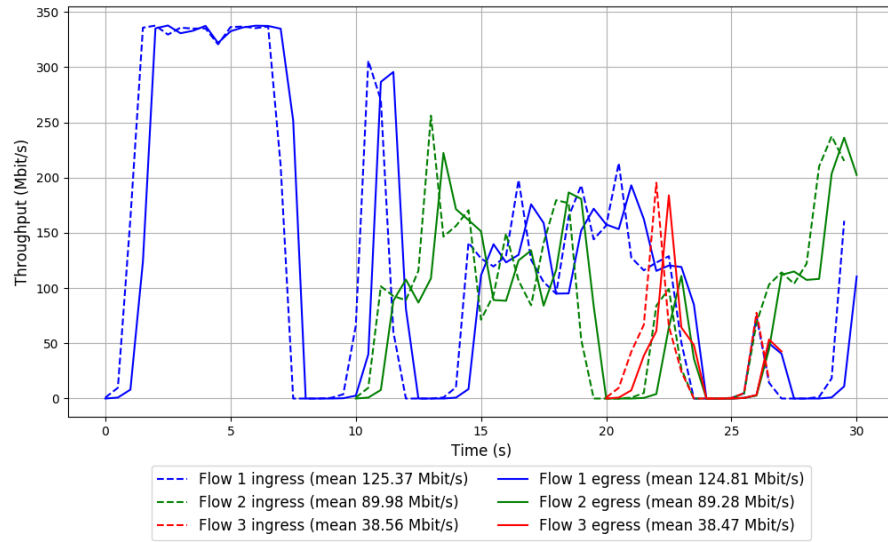


Run 5: Statistics of Copa

Start at: 2018-07-26 06:16:44
End at: 2018-07-26 06:17:14
Local clock offset: 0.11 ms
Remote clock offset: -0.052 ms

```
# Below is generated by plot.py at 2018-07-26 09:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 192.62 Mbit/s
95th percentile per-packet one-way delay: 75.424 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 124.81 Mbit/s
95th percentile per-packet one-way delay: 75.939 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 89.28 Mbit/s
95th percentile per-packet one-way delay: 73.658 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 77.934 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

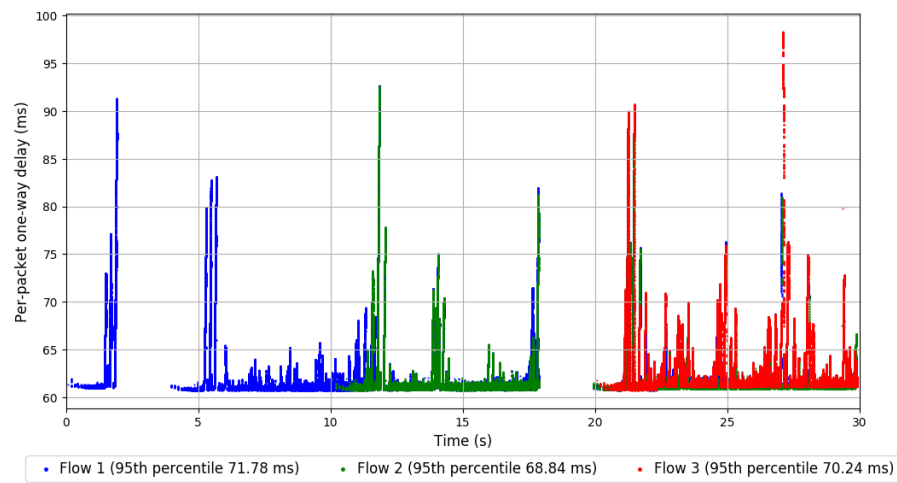
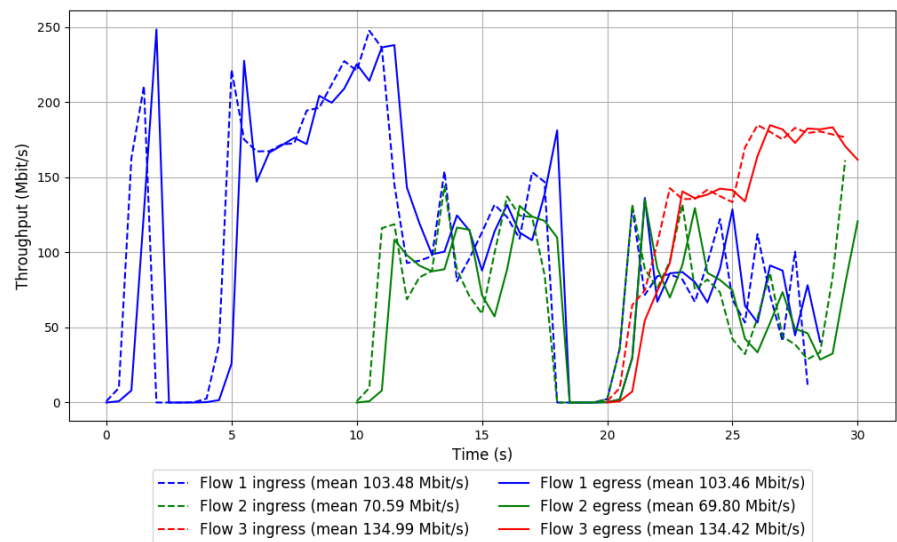


Run 6: Statistics of Copa

Start at: 2018-07-26 06:41:55
End at: 2018-07-26 06:42:25
Local clock offset: 0.18 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-26 09:20:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.82 Mbit/s
95th percentile per-packet one-way delay: 70.655 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 103.46 Mbit/s
95th percentile per-packet one-way delay: 71.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 68.838 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 134.42 Mbit/s
95th percentile per-packet one-way delay: 70.242 ms
Loss rate: 1.64%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

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

End at: 2018-07-26 07:07:36

Local clock offset: 0.235 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-07-26 09:28:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.67 Mbit/s

95th percentile per-packet one-way delay: 70.100 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 175.82 Mbit/s

95th percentile per-packet one-way delay: 70.142 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 73.138 ms

Loss rate: 0.55%

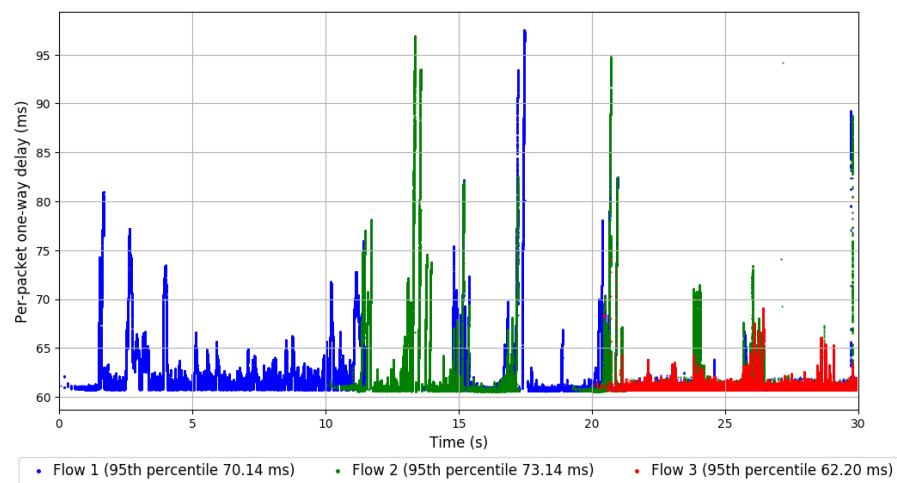
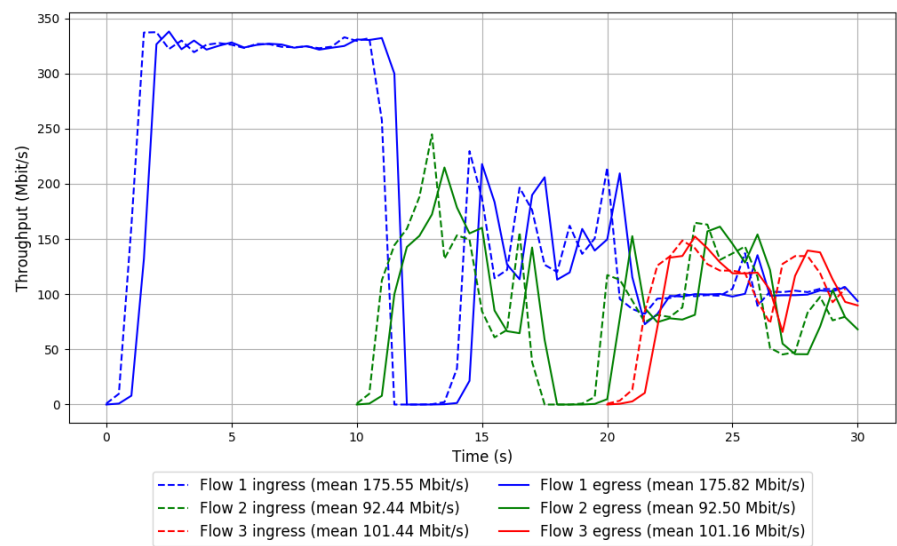
-- Flow 3:

Average throughput: 101.16 Mbit/s

95th percentile per-packet one-way delay: 62.198 ms

Loss rate: 1.51%

Run 7: Report of Copa — Data Link

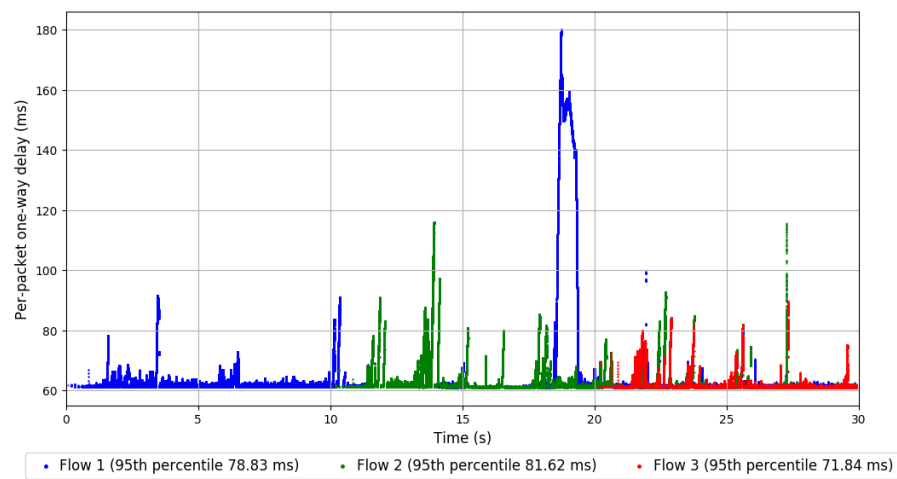
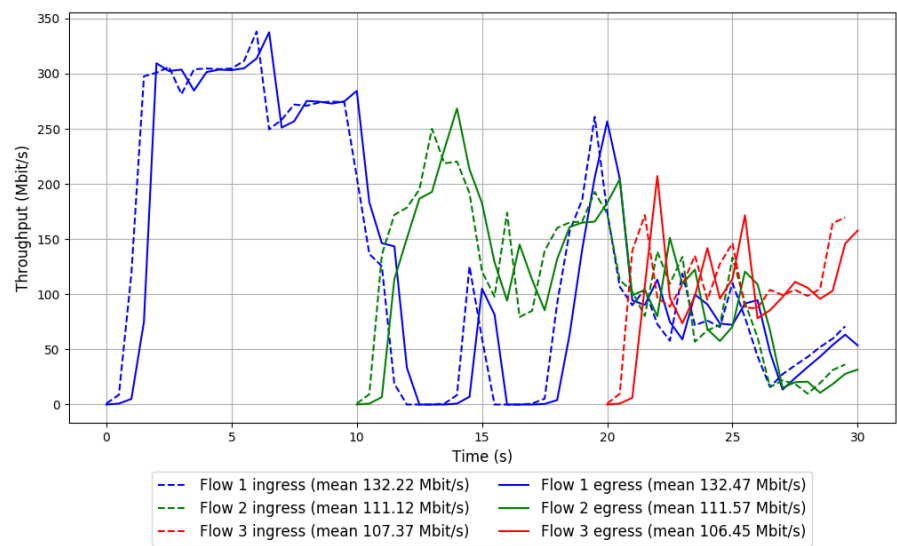


Run 8: Statistics of Copa

Start at: 2018-07-26 07:32:24
End at: 2018-07-26 07:32:54
Local clock offset: 0.303 ms
Remote clock offset: -0.144 ms

```
# Below is generated by plot.py at 2018-07-26 09:28:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 241.53 Mbit/s
95th percentile per-packet one-way delay: 78.989 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 132.47 Mbit/s
95th percentile per-packet one-way delay: 78.828 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 111.57 Mbit/s
95th percentile per-packet one-way delay: 81.617 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 106.45 Mbit/s
95th percentile per-packet one-way delay: 71.842 ms
Loss rate: 2.08%
```

Run 8: Report of Copa — Data Link

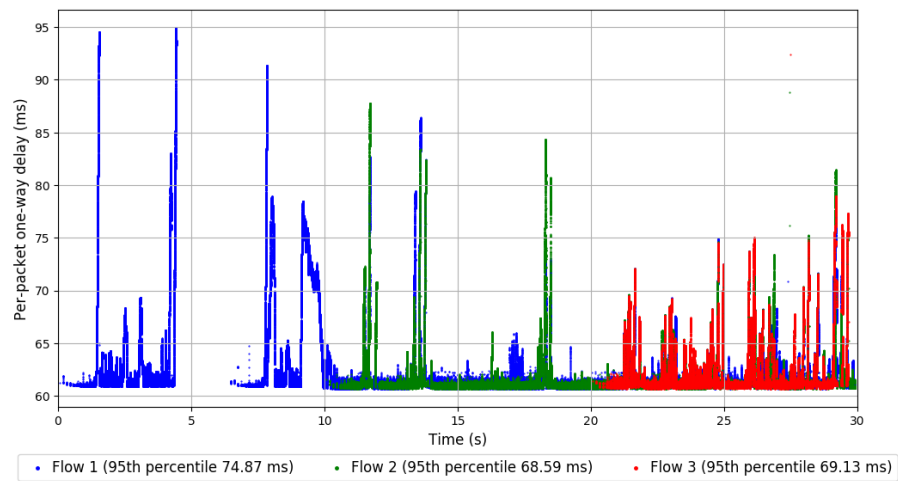
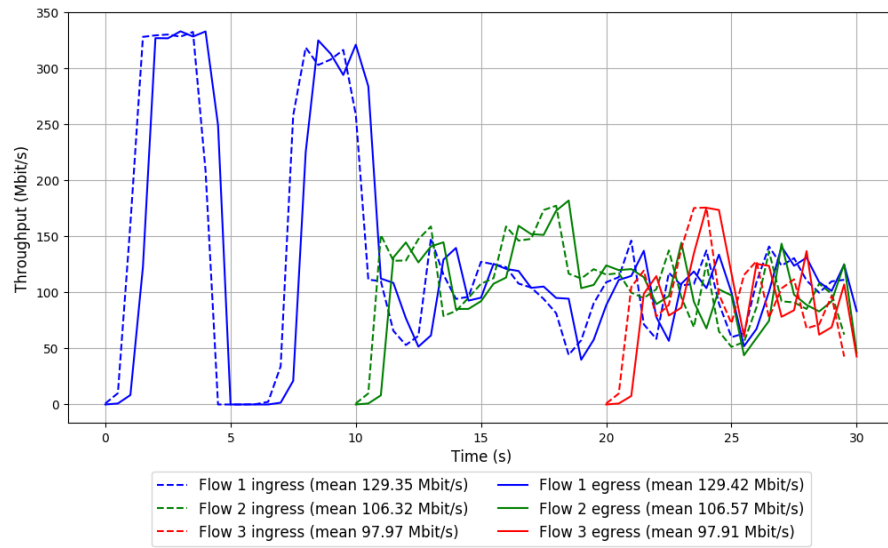


Run 9: Statistics of Copa

Start at: 2018-07-26 07:57:28
End at: 2018-07-26 07:57:58
Local clock offset: 0.249 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-26 09:28:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.70 Mbit/s
95th percentile per-packet one-way delay: 72.349 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 129.42 Mbit/s
95th percentile per-packet one-way delay: 74.870 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 106.57 Mbit/s
95th percentile per-packet one-way delay: 68.593 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 97.91 Mbit/s
95th percentile per-packet one-way delay: 69.134 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

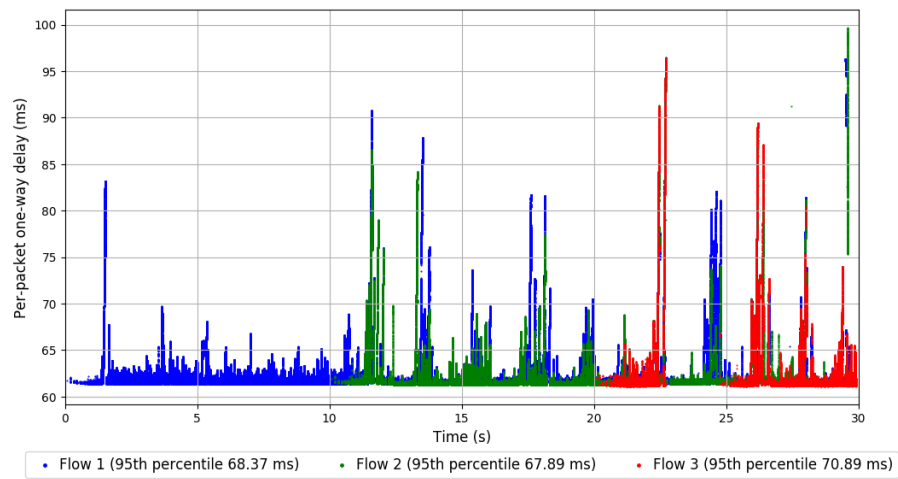
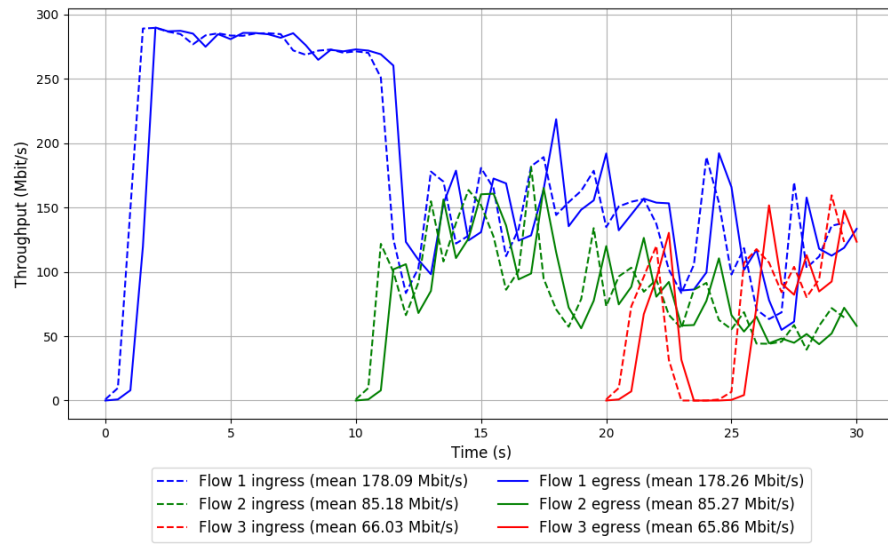


Run 10: Statistics of Copa

Start at: 2018-07-26 08:22:45
End at: 2018-07-26 08:23:15
Local clock offset: 0.311 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-07-26 09:28:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.63 Mbit/s
95th percentile per-packet one-way delay: 68.444 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 178.26 Mbit/s
95th percentile per-packet one-way delay: 68.366 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 67.885 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 70.885 ms
Loss rate: 1.59%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-26 04:52:48

End at: 2018-07-26 04:53:18

Local clock offset: -0.006 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-26 09:28:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.88 Mbit/s

95th percentile per-packet one-way delay: 72.296 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 187.59 Mbit/s

95th percentile per-packet one-way delay: 72.480 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 185.06 Mbit/s

95th percentile per-packet one-way delay: 72.046 ms

Loss rate: 0.66%

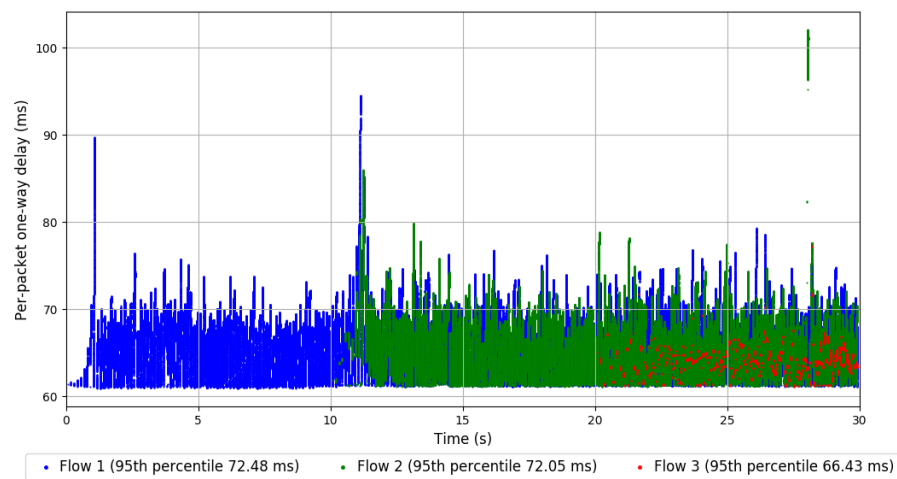
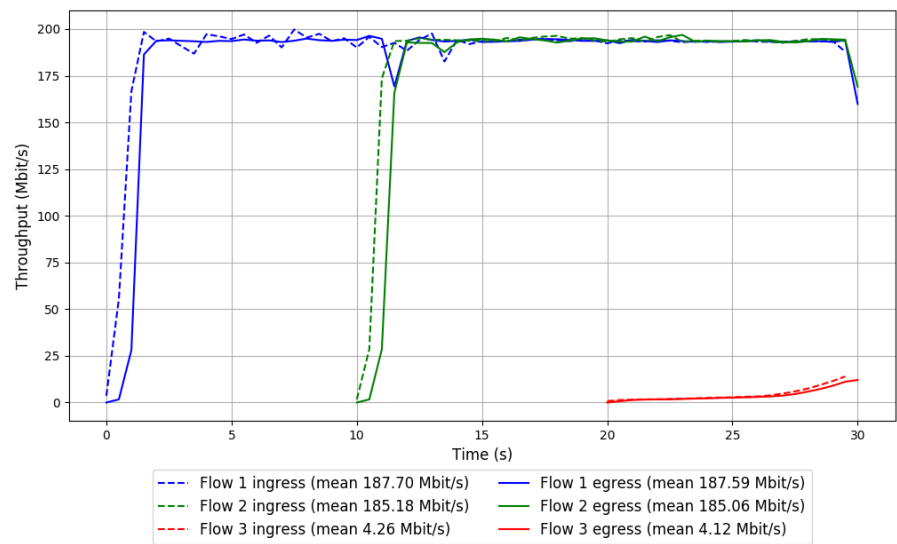
-- Flow 3:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 66.428 ms

Loss rate: 4.47%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-26 05:18:13

End at: 2018-07-26 05:18:43

Local clock offset: -0.032 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-26 09:28:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.02 Mbit/s

95th percentile per-packet one-way delay: 72.287 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 119.36 Mbit/s

95th percentile per-packet one-way delay: 70.246 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 186.11 Mbit/s

95th percentile per-packet one-way delay: 73.980 ms

Loss rate: 0.66%

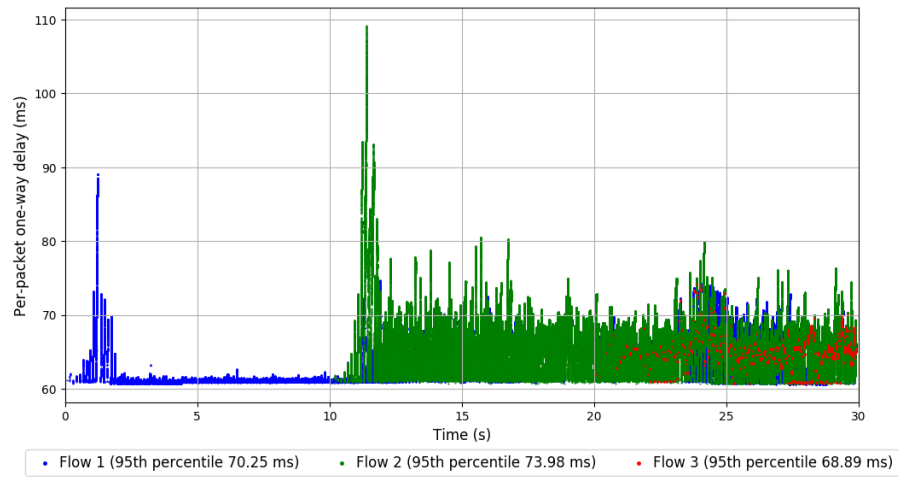
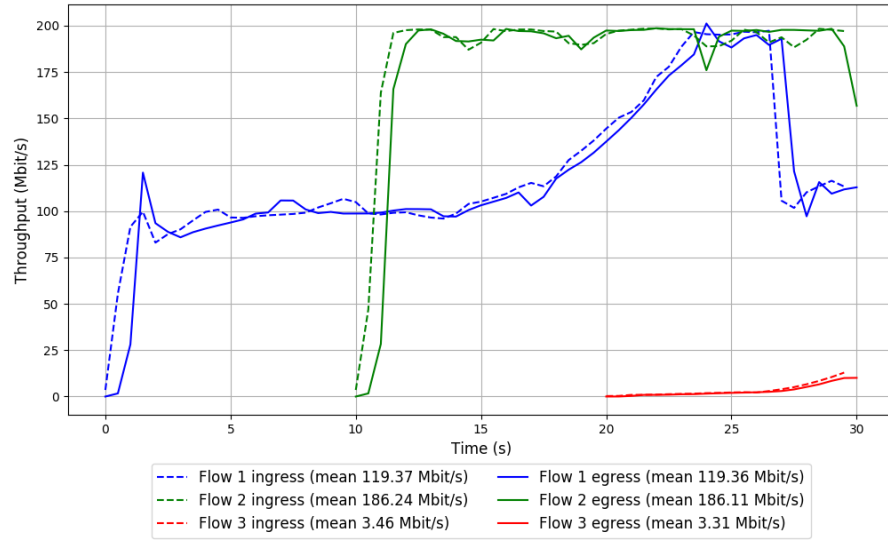
-- Flow 3:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 68.892 ms

Loss rate: 5.44%

Run 2: Report of TCP Cubic — Data Link

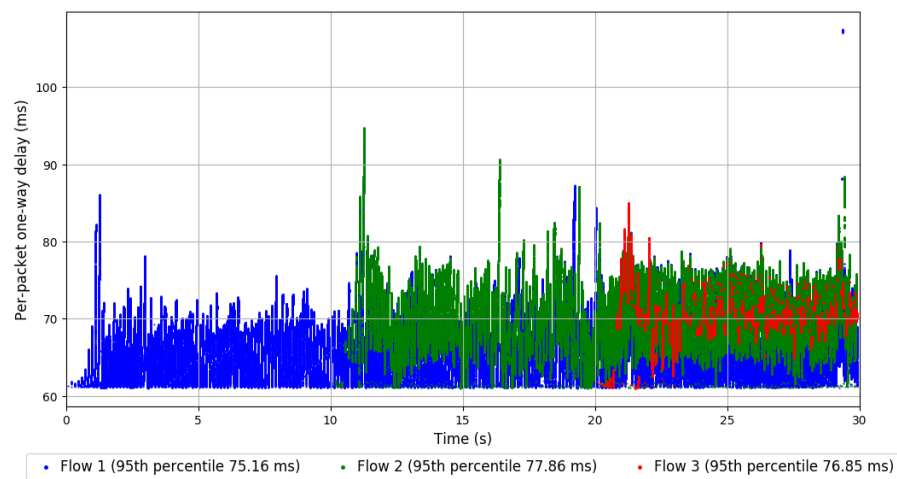
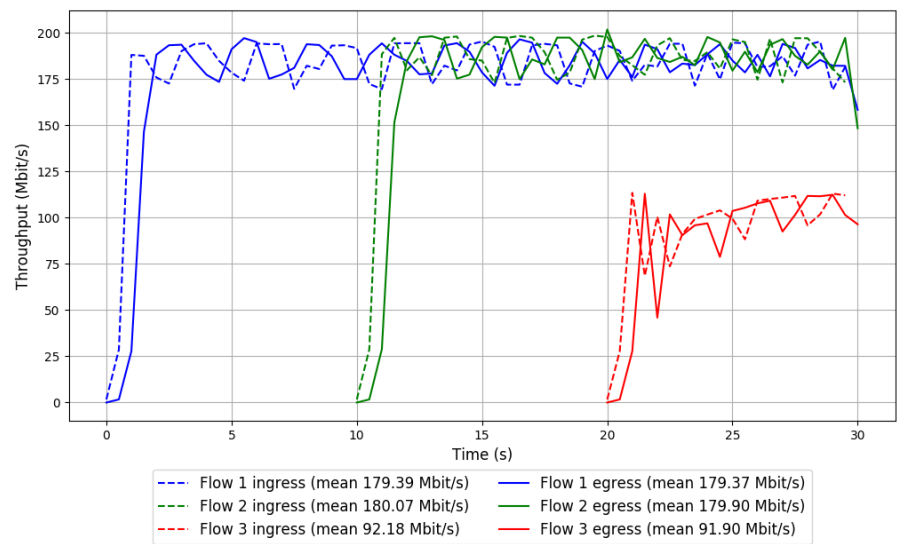


Run 3: Statistics of TCP Cubic

Start at: 2018-07-26 05:43:08
End at: 2018-07-26 05:43:39
Local clock offset: -0.0 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-26 09:28:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.95 Mbit/s
95th percentile per-packet one-way delay: 76.556 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 179.37 Mbit/s
95th percentile per-packet one-way delay: 75.157 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 179.90 Mbit/s
95th percentile per-packet one-way delay: 77.865 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 91.90 Mbit/s
95th percentile per-packet one-way delay: 76.850 ms
Loss rate: 1.54%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-26 06:08:12

End at: 2018-07-26 06:08:42

Local clock offset: 0.088 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-26 09:28:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.70 Mbit/s

95th percentile per-packet one-way delay: 102.255 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 177.31 Mbit/s

95th percentile per-packet one-way delay: 101.387 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 161.09 Mbit/s

95th percentile per-packet one-way delay: 101.720 ms

Loss rate: 0.41%

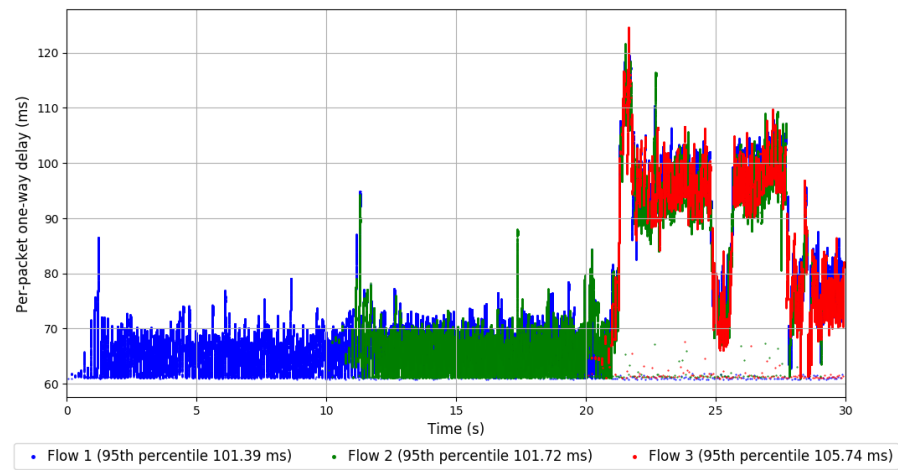
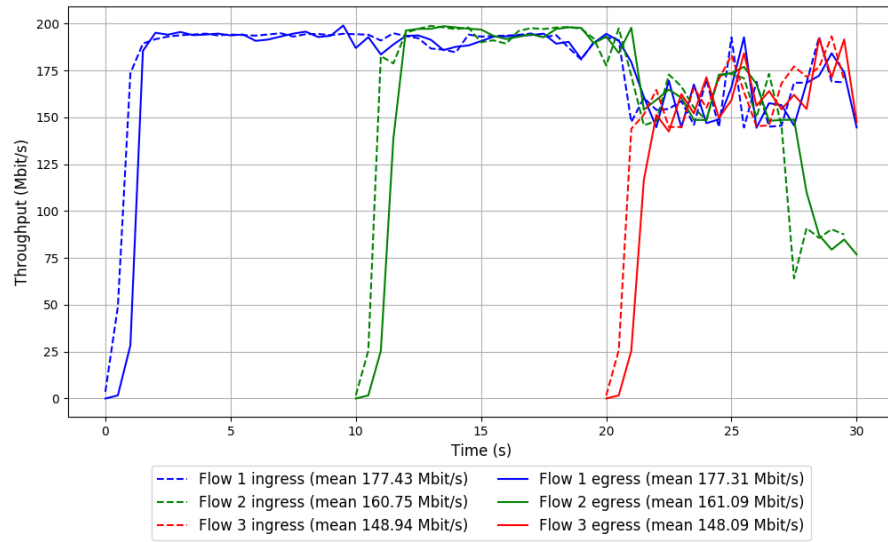
-- Flow 3:

Average throughput: 148.09 Mbit/s

95th percentile per-packet one-way delay: 105.742 ms

Loss rate: 1.79%

Run 4: Report of TCP Cubic — Data Link

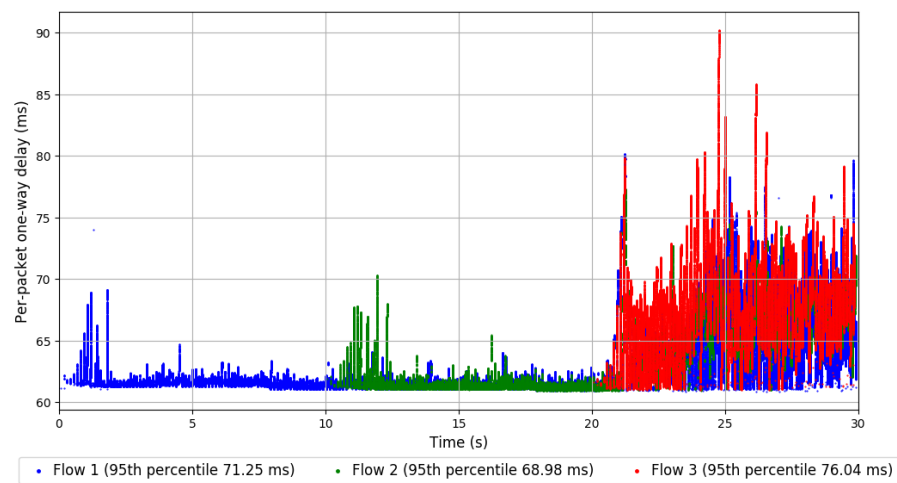
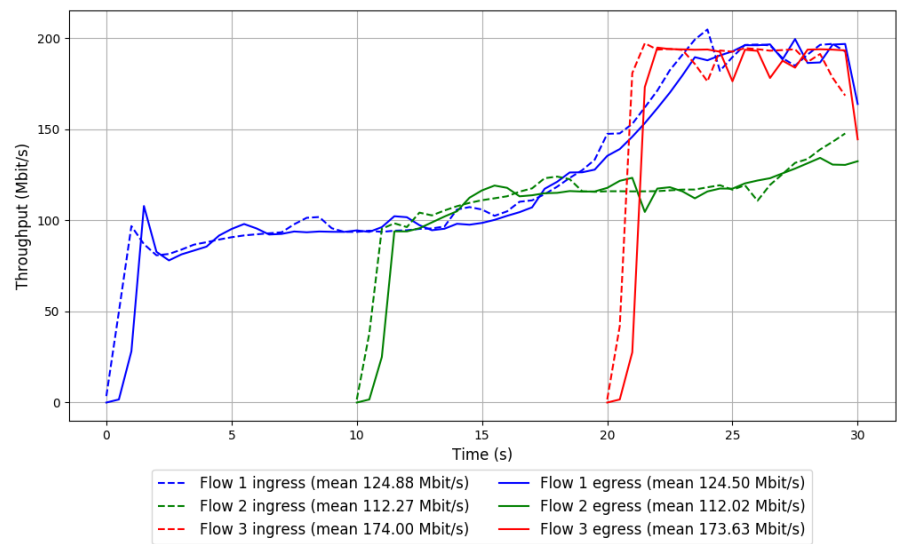


Run 5: Statistics of TCP Cubic

Start at: 2018-07-26 06:33:19
End at: 2018-07-26 06:33:49
Local clock offset: 0.135 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-26 09:29:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.78 Mbit/s
95th percentile per-packet one-way delay: 72.596 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 124.50 Mbit/s
95th percentile per-packet one-way delay: 71.246 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 112.02 Mbit/s
95th percentile per-packet one-way delay: 68.978 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 173.63 Mbit/s
95th percentile per-packet one-way delay: 76.037 ms
Loss rate: 1.40%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-26 06:58:30

End at: 2018-07-26 06:59:00

Local clock offset: 0.188 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-07-26 09:32:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.12 Mbit/s

95th percentile per-packet one-way delay: 93.415 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 181.31 Mbit/s

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

Loss rate: 0.44%

-- Flow 2:

Average throughput: 165.20 Mbit/s

95th percentile per-packet one-way delay: 95.277 ms

Loss rate: 0.40%

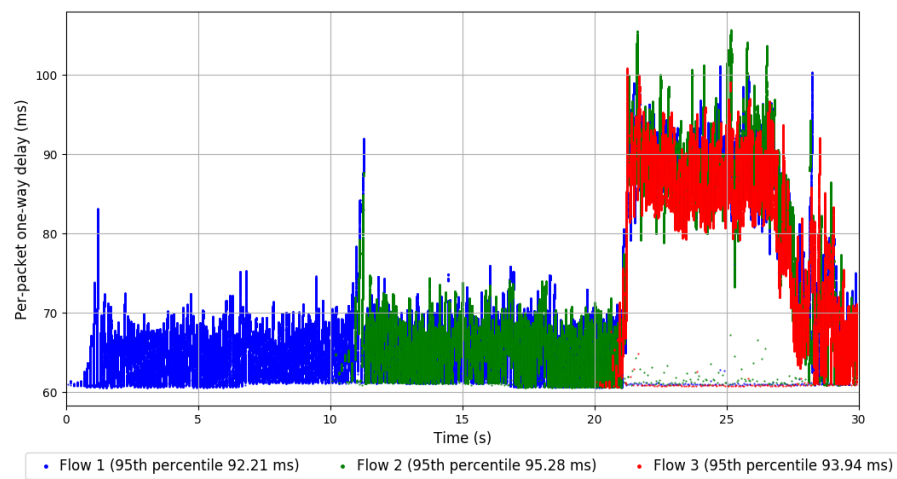
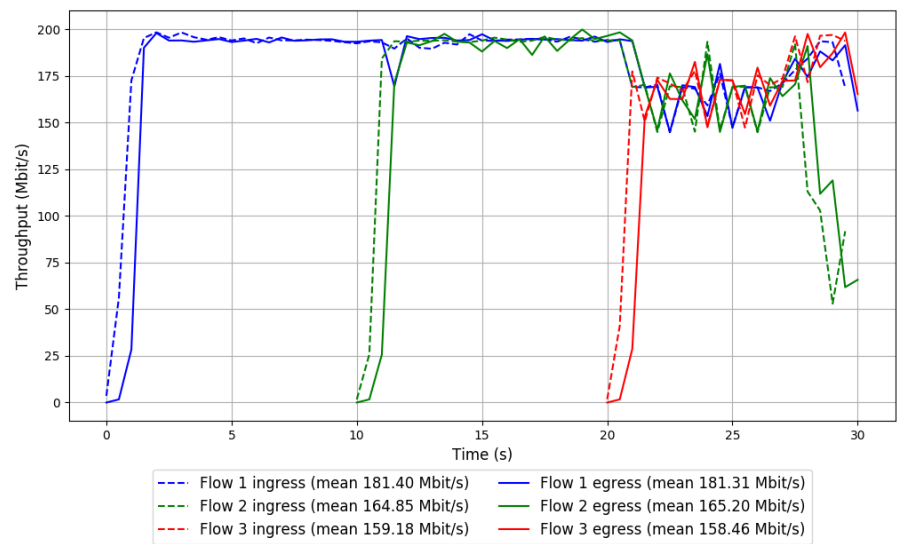
-- Flow 3:

Average throughput: 158.46 Mbit/s

95th percentile per-packet one-way delay: 93.938 ms

Loss rate: 1.67%

Run 6: Report of TCP Cubic — Data Link

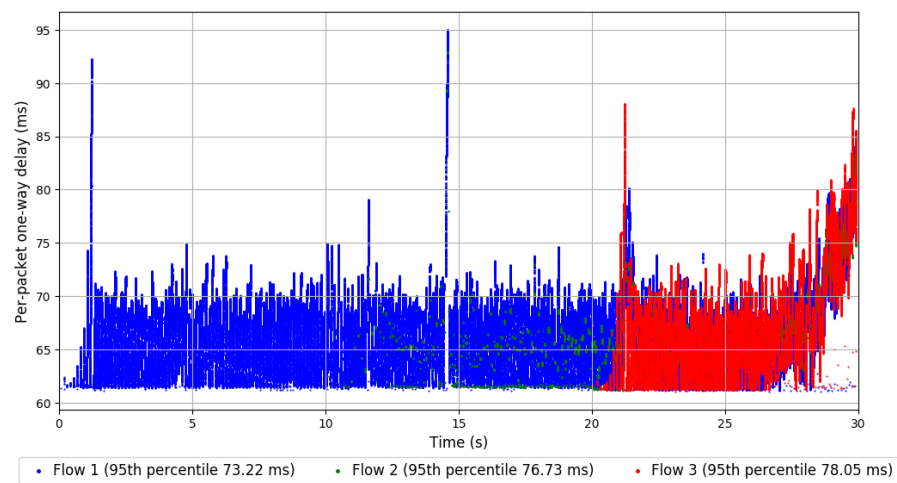
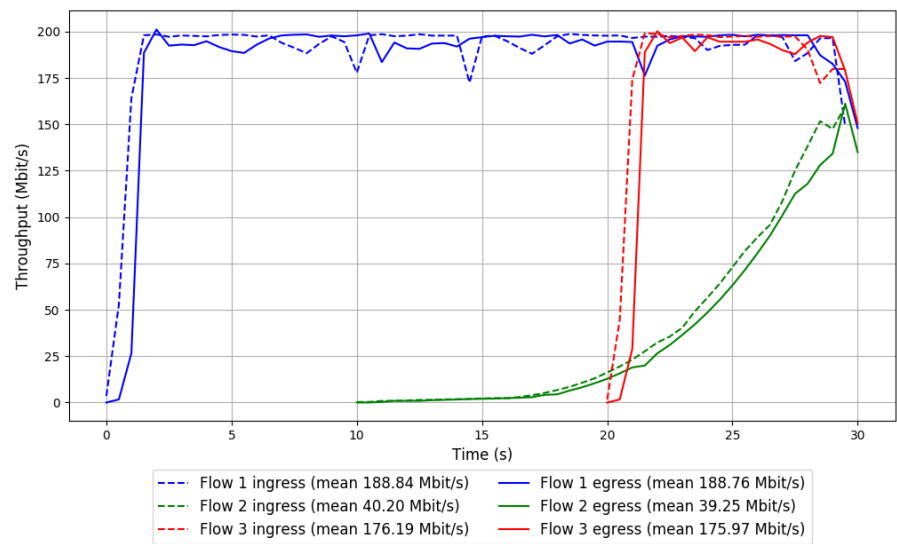


Run 7: Statistics of TCP Cubic

Start at: 2018-07-26 07:23:47
End at: 2018-07-26 07:24:17
Local clock offset: 0.263 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-07-26 09:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.51 Mbit/s
95th percentile per-packet one-way delay: 75.383 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 188.76 Mbit/s
95th percentile per-packet one-way delay: 73.221 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 76.733 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 175.97 Mbit/s
95th percentile per-packet one-way delay: 78.045 ms
Loss rate: 1.36%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-26 07:49:00

End at: 2018-07-26 07:49:30

Local clock offset: 0.279 ms

Remote clock offset: 1.332 ms

Below is generated by plot.py at 2018-07-26 09:32:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.17 Mbit/s

95th percentile per-packet one-way delay: 79.417 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 186.33 Mbit/s

95th percentile per-packet one-way delay: 75.628 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 37.31 Mbit/s

95th percentile per-packet one-way delay: 82.642 ms

Loss rate: 3.00%

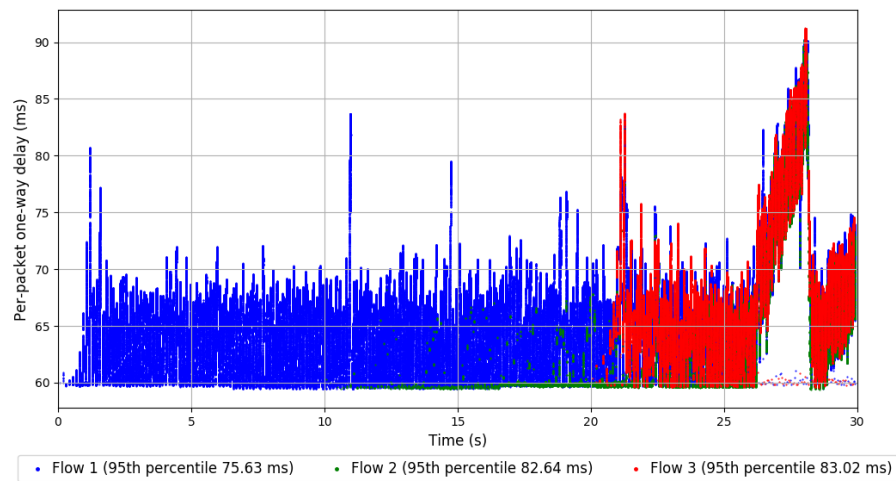
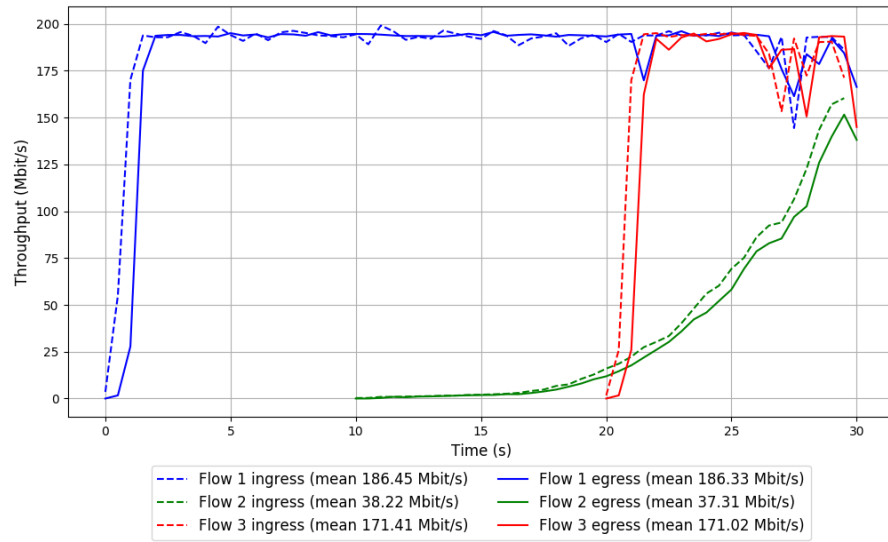
-- Flow 3:

Average throughput: 171.02 Mbit/s

95th percentile per-packet one-way delay: 83.024 ms

Loss rate: 1.41%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-26 08:14:07

End at: 2018-07-26 08:14:37

Local clock offset: 0.262 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-07-26 09:33:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.40 Mbit/s

95th percentile per-packet one-way delay: 110.951 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 174.45 Mbit/s

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

Loss rate: 0.46%

-- Flow 2:

Average throughput: 161.95 Mbit/s

95th percentile per-packet one-way delay: 110.178 ms

Loss rate: 0.45%

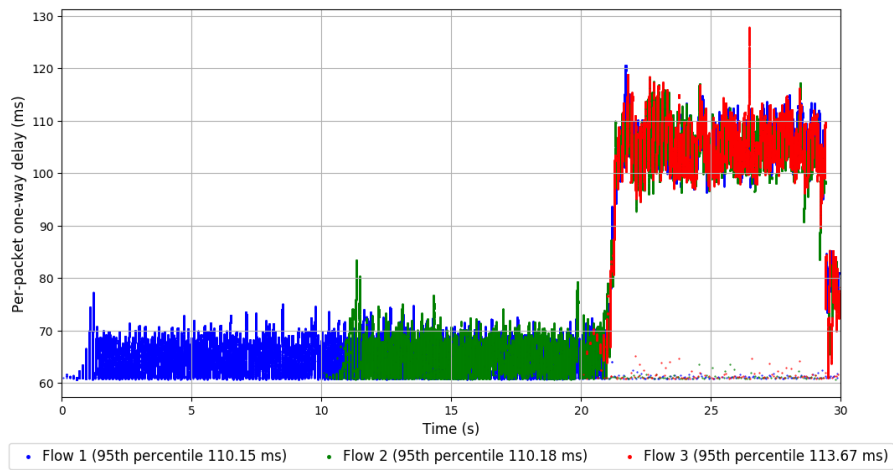
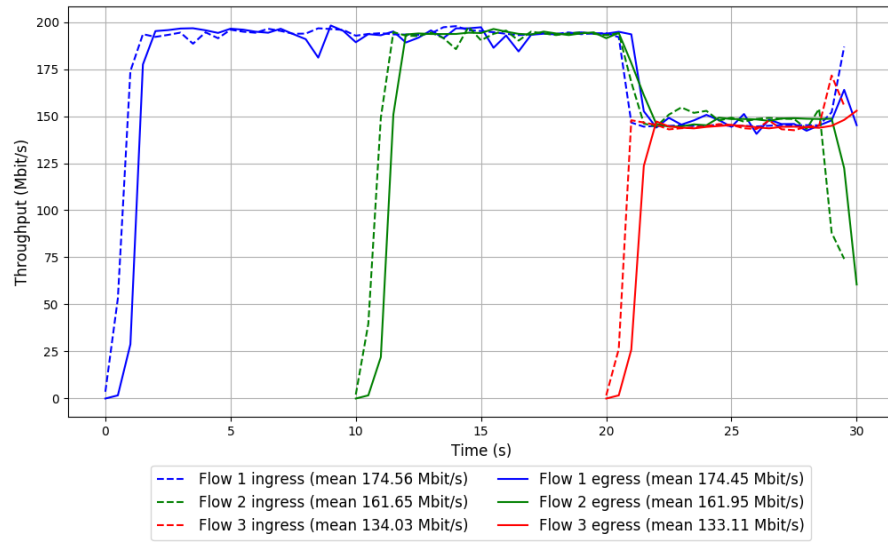
-- Flow 3:

Average throughput: 133.11 Mbit/s

95th percentile per-packet one-way delay: 113.674 ms

Loss rate: 1.91%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-26 08:39:11

End at: 2018-07-26 08:39:41

Local clock offset: 0.319 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-26 09:33:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 271.96 Mbit/s

95th percentile per-packet one-way delay: 74.841 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 186.70 Mbit/s

95th percentile per-packet one-way delay: 74.585 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 41.61 Mbit/s

95th percentile per-packet one-way delay: 73.802 ms

Loss rate: 2.79%

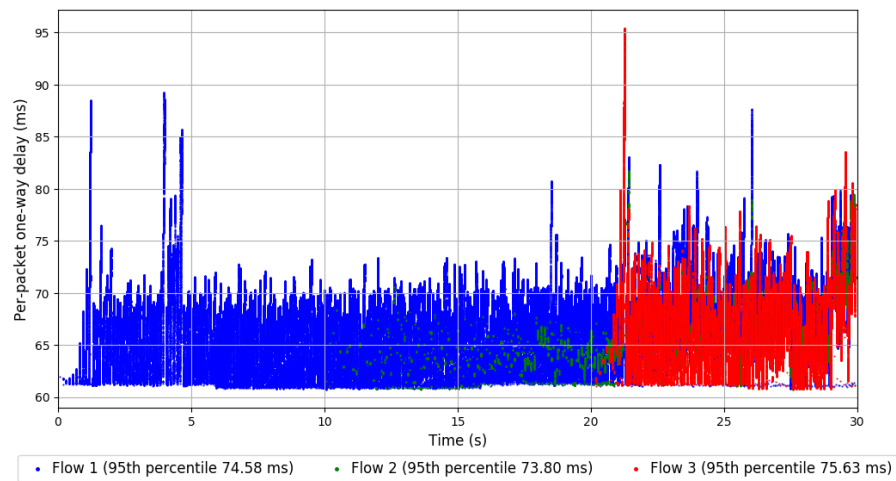
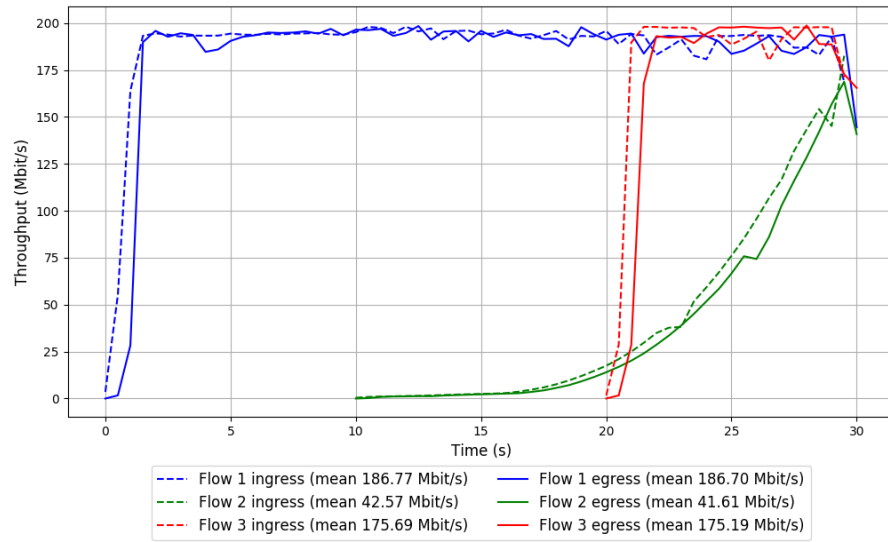
-- Flow 3:

Average throughput: 175.19 Mbit/s

95th percentile per-packet one-way delay: 75.628 ms

Loss rate: 1.52%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-26 04:43:19

End at: 2018-07-26 04:43:49

Local clock offset: -0.046 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-07-26 09:55:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 1182.79 Mbit/s

95th percentile per-packet one-way delay: 253.317 ms

Loss rate: 8.70%

-- Flow 1:

Average throughput: 581.60 Mbit/s

95th percentile per-packet one-way delay: 275.572 ms

Loss rate: 9.64%

-- Flow 2:

Average throughput: 645.10 Mbit/s

95th percentile per-packet one-way delay: 235.699 ms

Loss rate: 6.29%

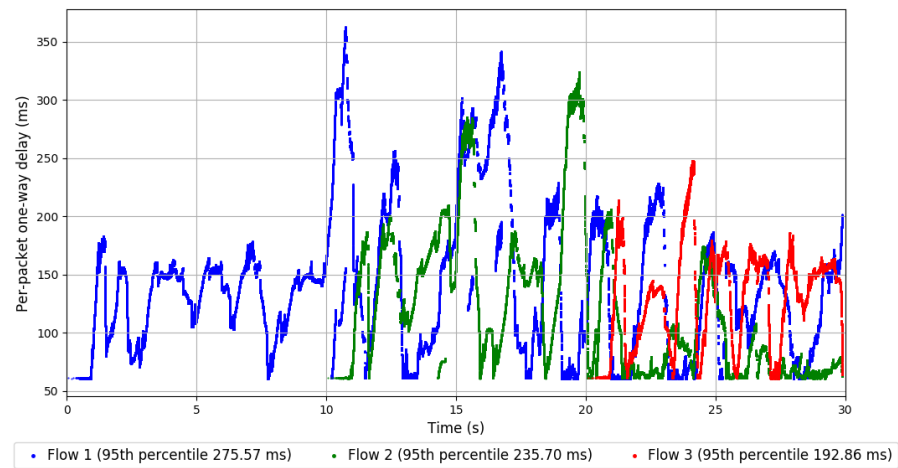
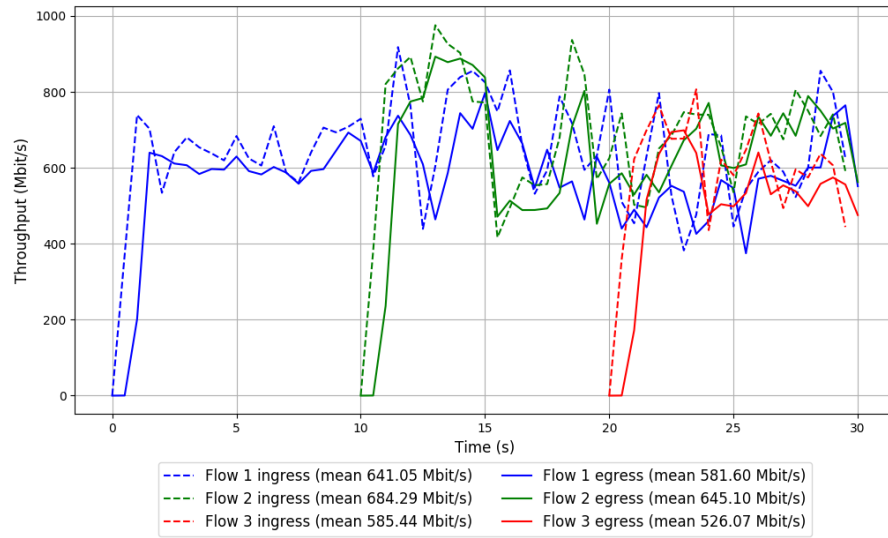
-- Flow 3:

Average throughput: 526.07 Mbit/s

95th percentile per-packet one-way delay: 192.862 ms

Loss rate: 11.27%

Run 1: Report of FillP — Data Link

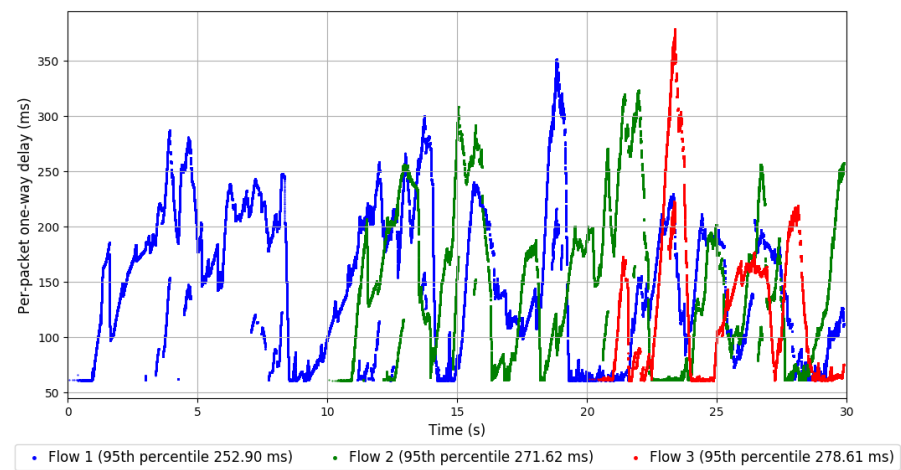
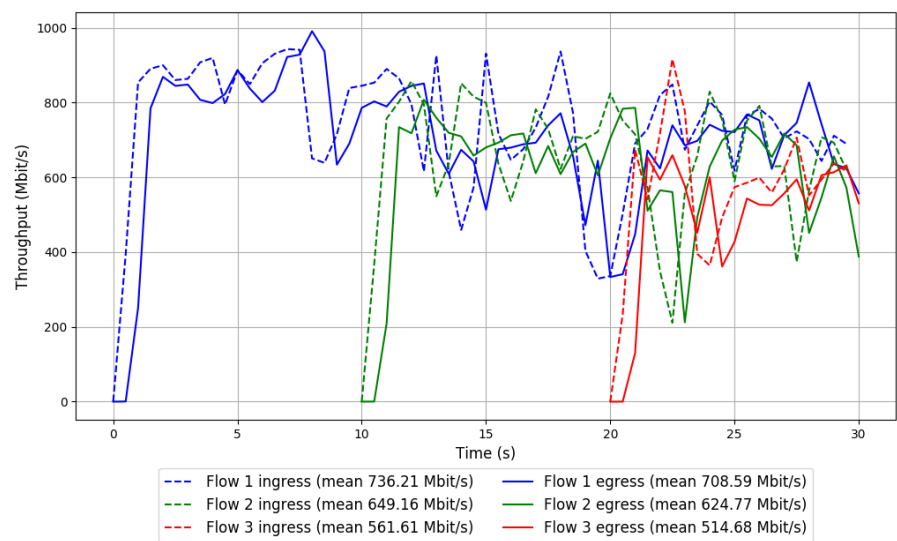


Run 2: Statistics of FillP

Start at: 2018-07-26 05:08:35
End at: 2018-07-26 05:09:05
Local clock offset: 0.04 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-26 09:59:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 1293.06 Mbit/s
95th percentile per-packet one-way delay: 262.803 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 708.59 Mbit/s
95th percentile per-packet one-way delay: 252.904 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 624.77 Mbit/s
95th percentile per-packet one-way delay: 271.625 ms
Loss rate: 4.34%
-- Flow 3:
Average throughput: 514.68 Mbit/s
95th percentile per-packet one-way delay: 278.607 ms
Loss rate: 9.50%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-26 05:33:36

End at: 2018-07-26 05:34:06

Local clock offset: -0.01 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-26 10:02:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 1312.97 Mbit/s

95th percentile per-packet one-way delay: 241.596 ms

Loss rate: 5.08%

-- Flow 1:

Average throughput: 671.11 Mbit/s

95th percentile per-packet one-way delay: 251.814 ms

Loss rate: 6.05%

-- Flow 2:

Average throughput: 658.55 Mbit/s

95th percentile per-packet one-way delay: 241.103 ms

Loss rate: 4.46%

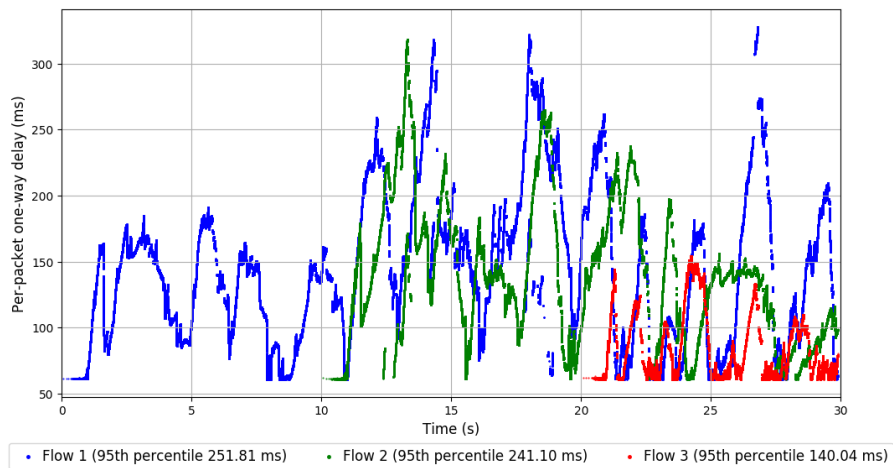
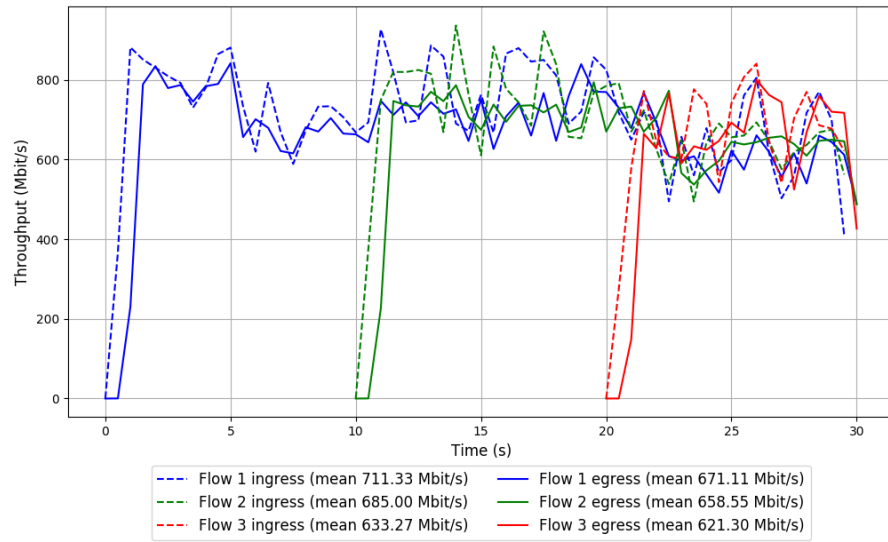
-- Flow 3:

Average throughput: 621.30 Mbit/s

95th percentile per-packet one-way delay: 140.041 ms

Loss rate: 3.13%

Run 3: Report of FillP — Data Link

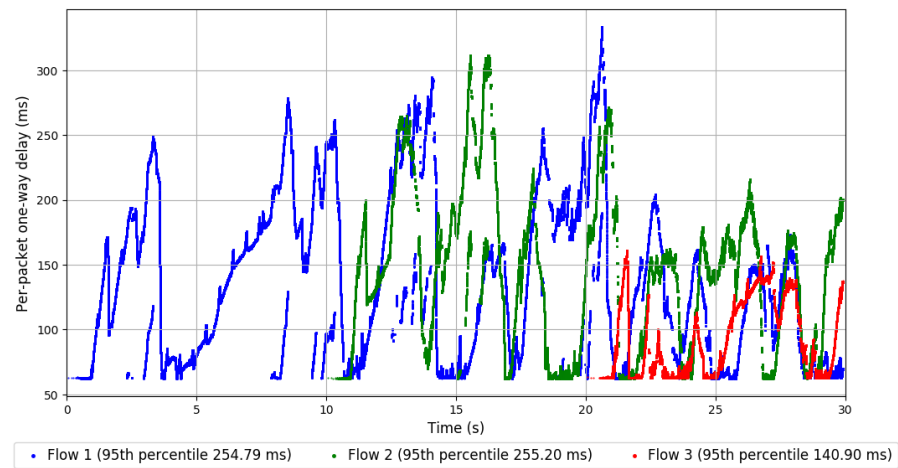
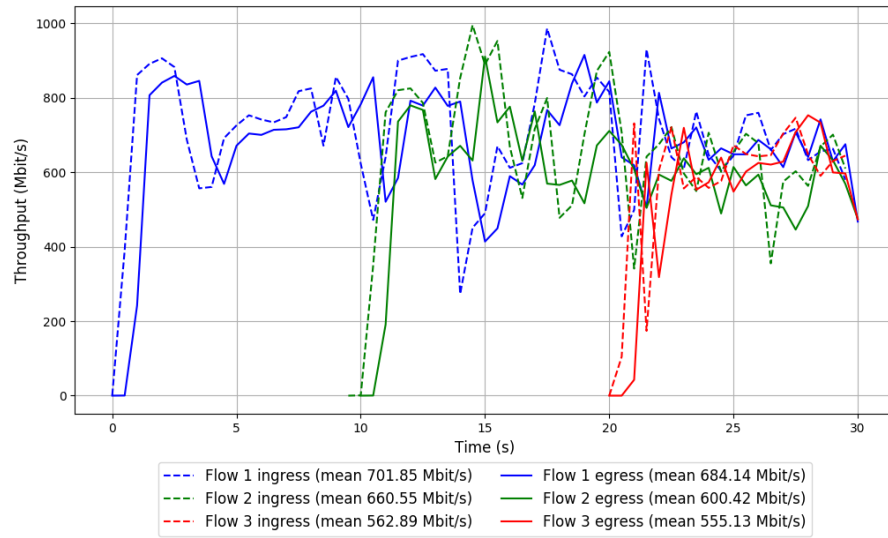


Run 4: Statistics of FillP

Start at: 2018-07-26 05:58:41
End at: 2018-07-26 05:59:11
Local clock offset: 0.095 ms
Remote clock offset: -1.451 ms

Below is generated by plot.py at 2018-07-26 10:02:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1265.90 Mbit/s
95th percentile per-packet one-way delay: 250.647 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 684.14 Mbit/s
95th percentile per-packet one-way delay: 254.786 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 600.42 Mbit/s
95th percentile per-packet one-way delay: 255.197 ms
Loss rate: 9.66%
-- Flow 3:
Average throughput: 555.13 Mbit/s
95th percentile per-packet one-way delay: 140.897 ms
Loss rate: 2.59%

Run 4: Report of FillP — Data Link

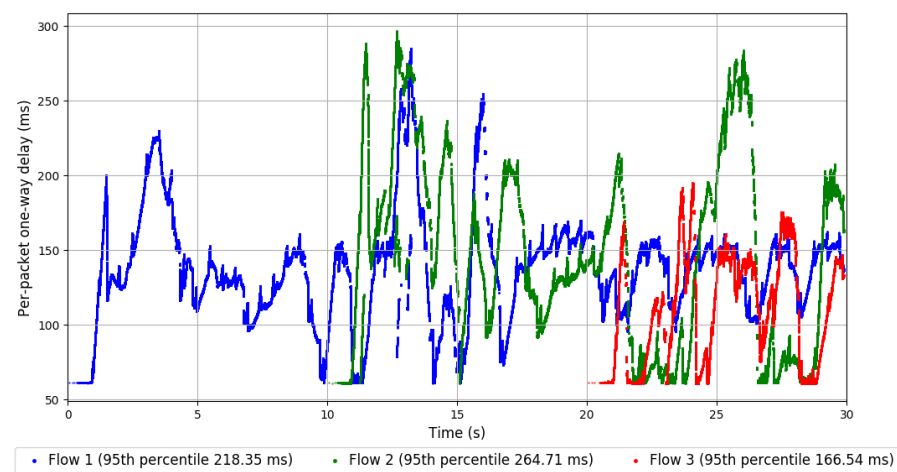
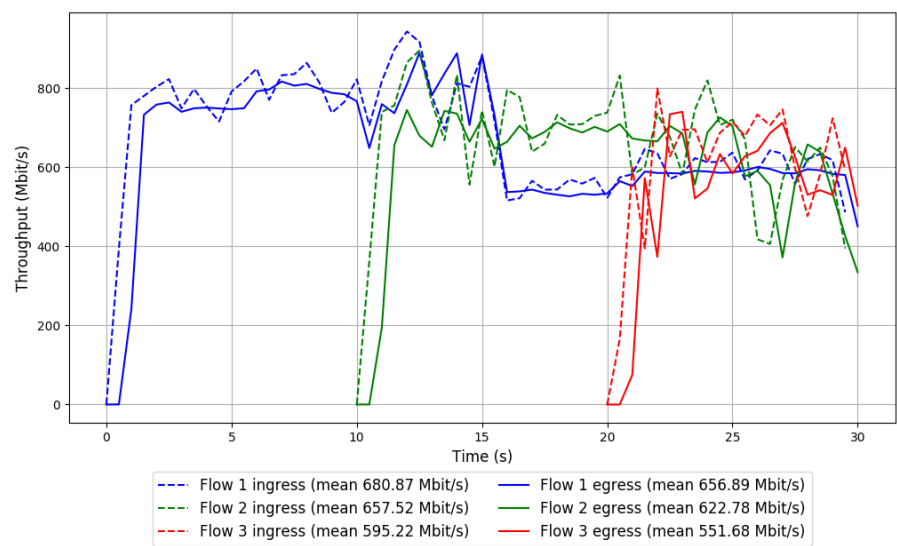


Run 5: Statistics of FillP

Start at: 2018-07-26 06:23:43
End at: 2018-07-26 06:24:13
Local clock offset: 0.099 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-26 10:02:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1252.08 Mbit/s
95th percentile per-packet one-way delay: 232.909 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 656.89 Mbit/s
95th percentile per-packet one-way delay: 218.346 ms
Loss rate: 3.91%
-- Flow 2:
Average throughput: 622.78 Mbit/s
95th percentile per-packet one-way delay: 264.713 ms
Loss rate: 5.87%
-- Flow 3:
Average throughput: 551.68 Mbit/s
95th percentile per-packet one-way delay: 166.540 ms
Loss rate: 8.46%

Run 5: Report of FillP — Data Link

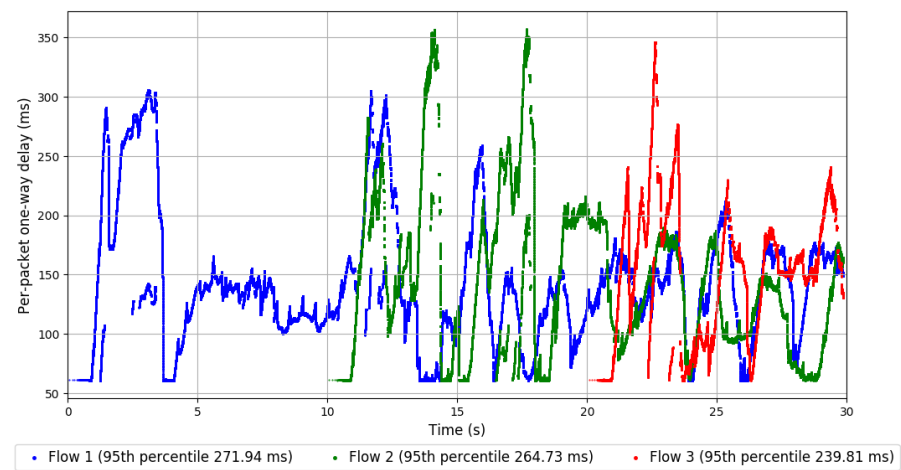
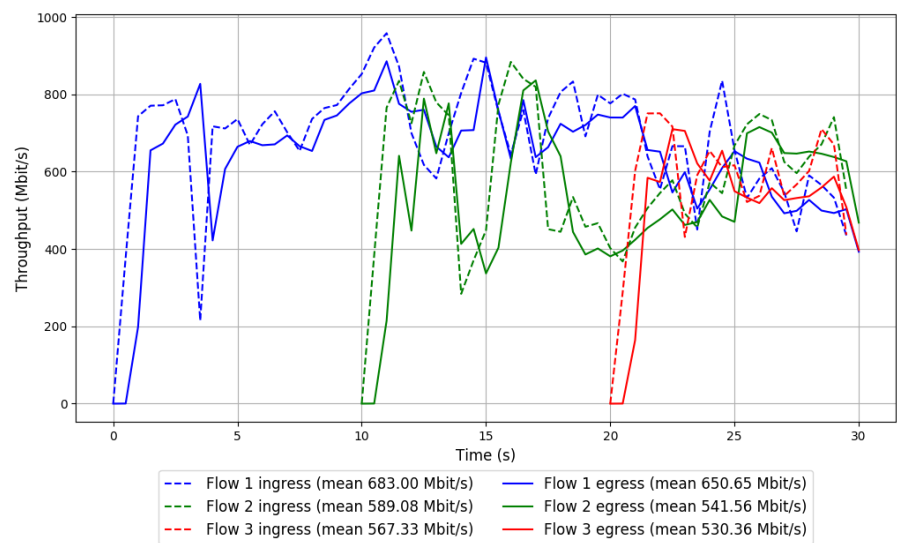


Run 6: Statistics of FillP

Start at: 2018-07-26 06:48:56
End at: 2018-07-26 06:49:26
Local clock offset: 0.148 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-26 10:02:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1184.79 Mbit/s
95th percentile per-packet one-way delay: 268.141 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 650.65 Mbit/s
95th percentile per-packet one-way delay: 271.944 ms
Loss rate: 5.13%
-- Flow 2:
Average throughput: 541.56 Mbit/s
95th percentile per-packet one-way delay: 264.732 ms
Loss rate: 8.63%
-- Flow 3:
Average throughput: 530.36 Mbit/s
95th percentile per-packet one-way delay: 239.813 ms
Loss rate: 7.66%

Run 6: Report of FillP — Data Link

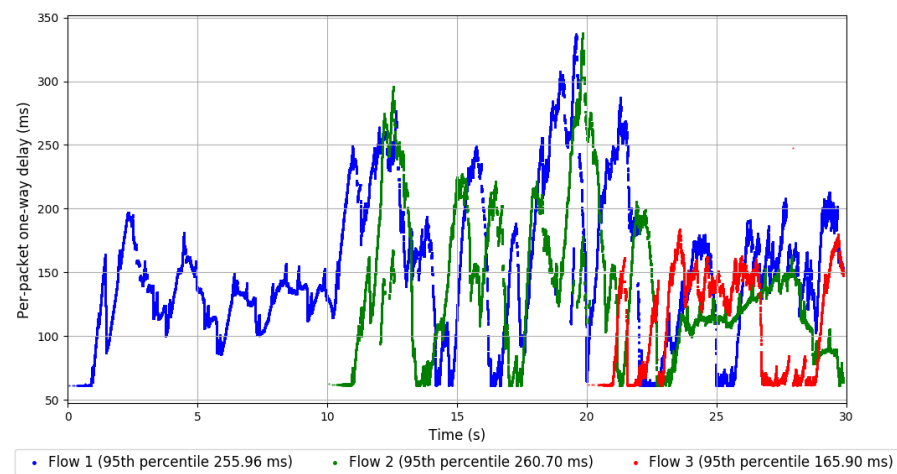
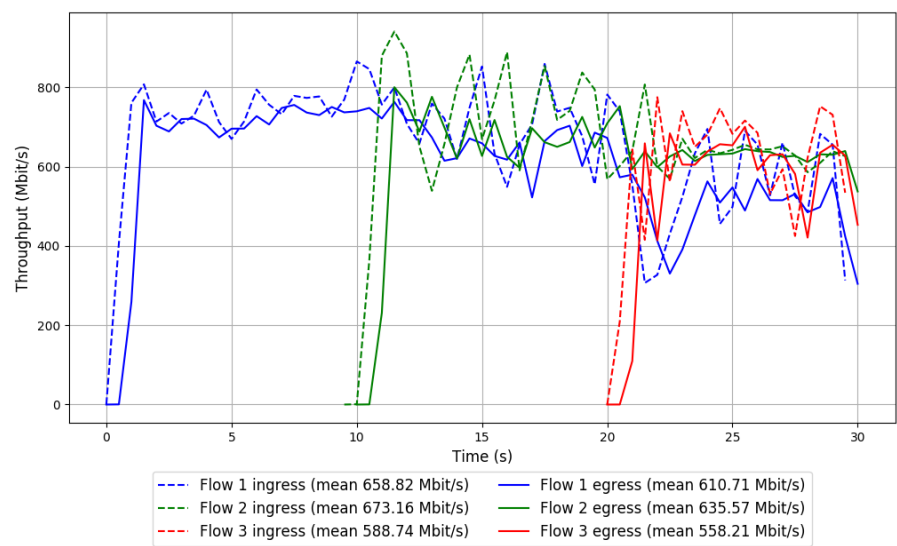


Run 7: Statistics of FillP

Start at: 2018-07-26 07:14:11
End at: 2018-07-26 07:14:41
Local clock offset: 0.223 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-07-26 10:02:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1216.77 Mbit/s
95th percentile per-packet one-way delay: 253.385 ms
Loss rate: 6.97%
-- Flow 1:
Average throughput: 610.71 Mbit/s
95th percentile per-packet one-way delay: 255.955 ms
Loss rate: 7.69%
-- Flow 2:
Average throughput: 635.57 Mbit/s
95th percentile per-packet one-way delay: 260.699 ms
Loss rate: 6.18%
-- Flow 3:
Average throughput: 558.21 Mbit/s
95th percentile per-packet one-way delay: 165.903 ms
Loss rate: 6.38%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-26 07:39:27

End at: 2018-07-26 07:39:57

Local clock offset: 0.264 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-07-26 10:02:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 1165.42 Mbit/s

95th percentile per-packet one-way delay: 269.971 ms

Loss rate: 6.84%

-- Flow 1:

Average throughput: 588.40 Mbit/s

95th percentile per-packet one-way delay: 246.131 ms

Loss rate: 6.82%

-- Flow 2:

Average throughput: 590.51 Mbit/s

95th percentile per-packet one-way delay: 298.678 ms

Loss rate: 7.01%

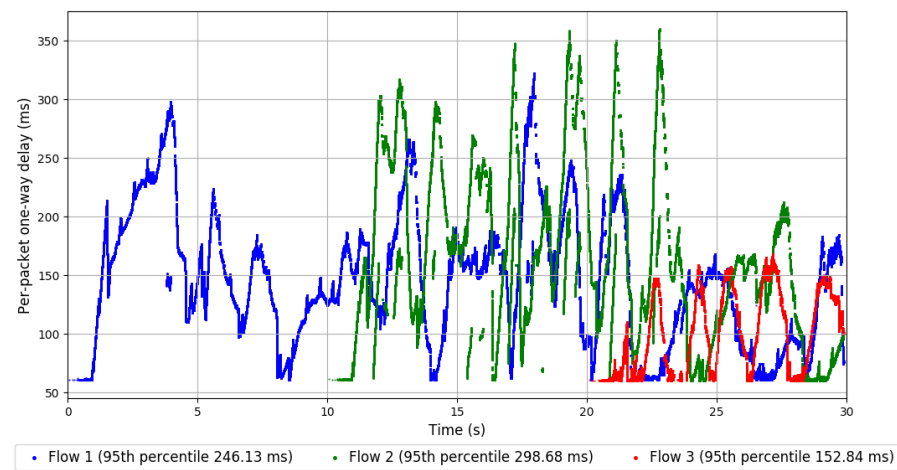
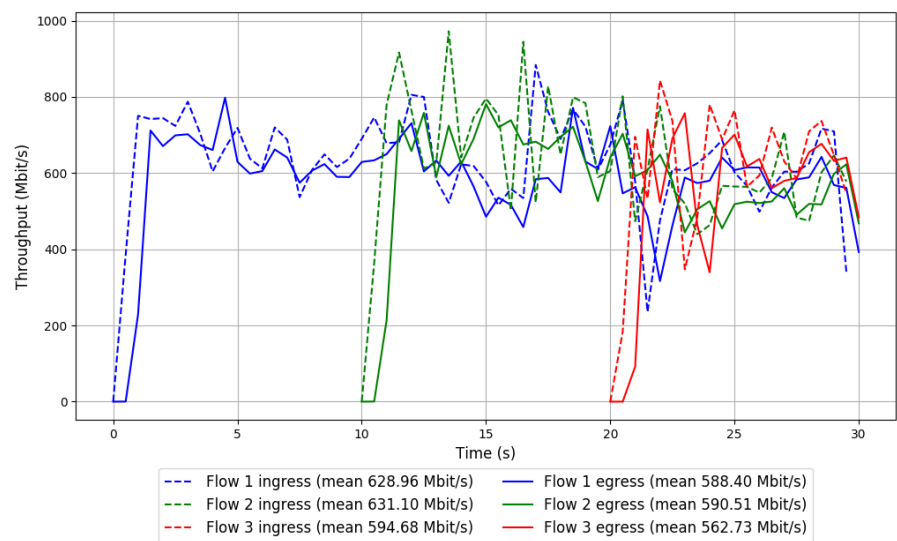
-- Flow 3:

Average throughput: 562.73 Mbit/s

95th percentile per-packet one-way delay: 152.843 ms

Loss rate: 6.55%

Run 8: Report of FillP — Data Link

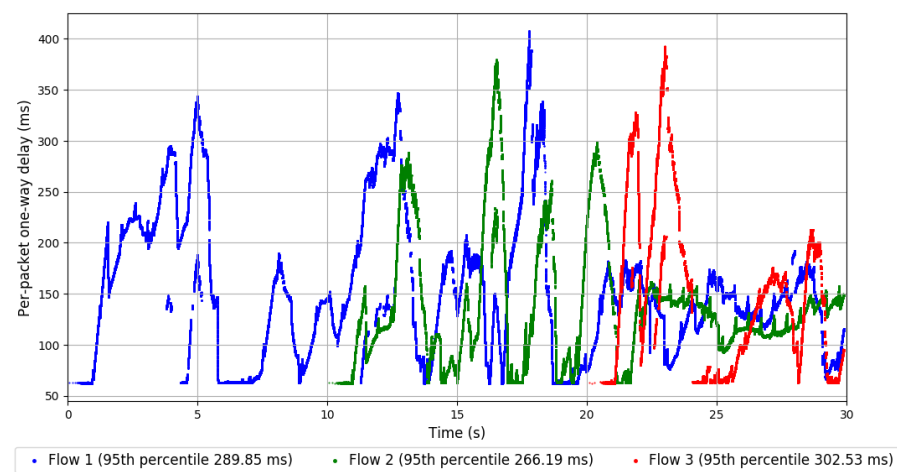
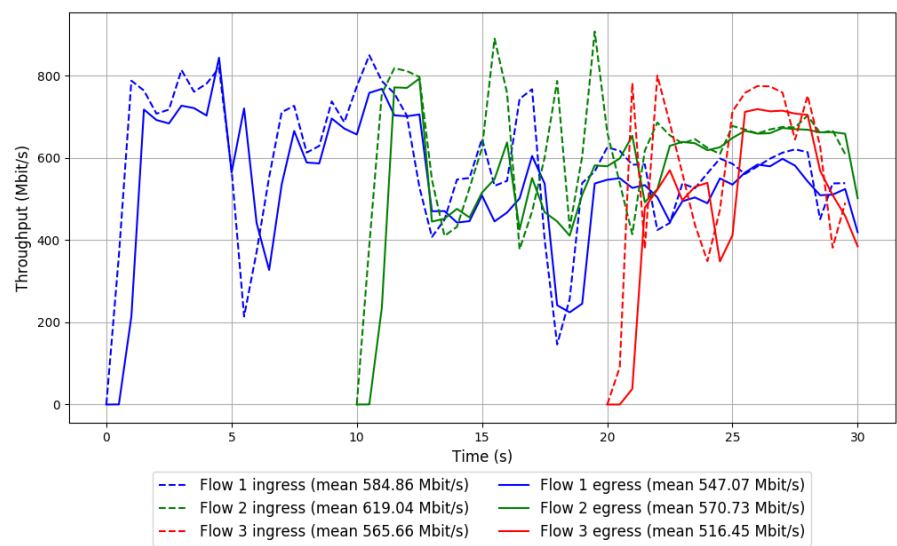


Run 9: Statistics of FillP

Start at: 2018-07-26 08:04:35
End at: 2018-07-26 08:05:05
Local clock offset: 0.294 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-07-26 10:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 1096.17 Mbit/s
95th percentile per-packet one-way delay: 287.898 ms
Loss rate: 7.85%
-- Flow 1:
Average throughput: 547.07 Mbit/s
95th percentile per-packet one-way delay: 289.850 ms
Loss rate: 6.84%
-- Flow 2:
Average throughput: 570.73 Mbit/s
95th percentile per-packet one-way delay: 266.187 ms
Loss rate: 8.37%
-- Flow 3:
Average throughput: 516.45 Mbit/s
95th percentile per-packet one-way delay: 302.529 ms
Loss rate: 9.84%

Run 9: Report of FillP — Data Link

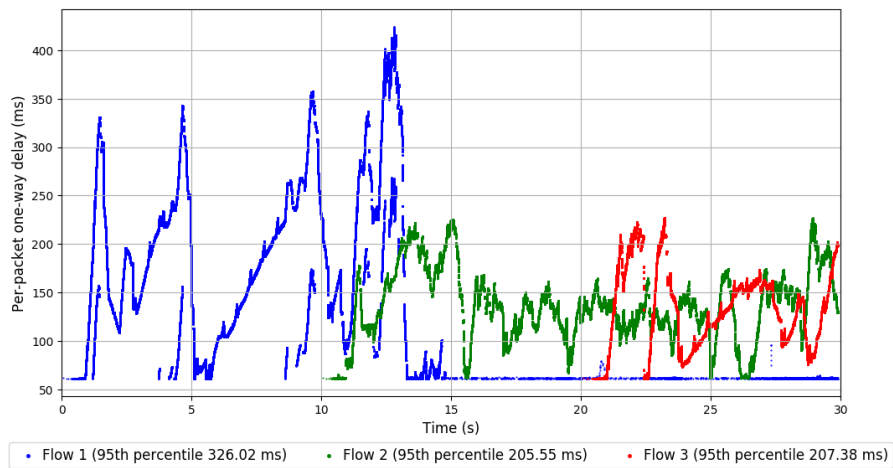
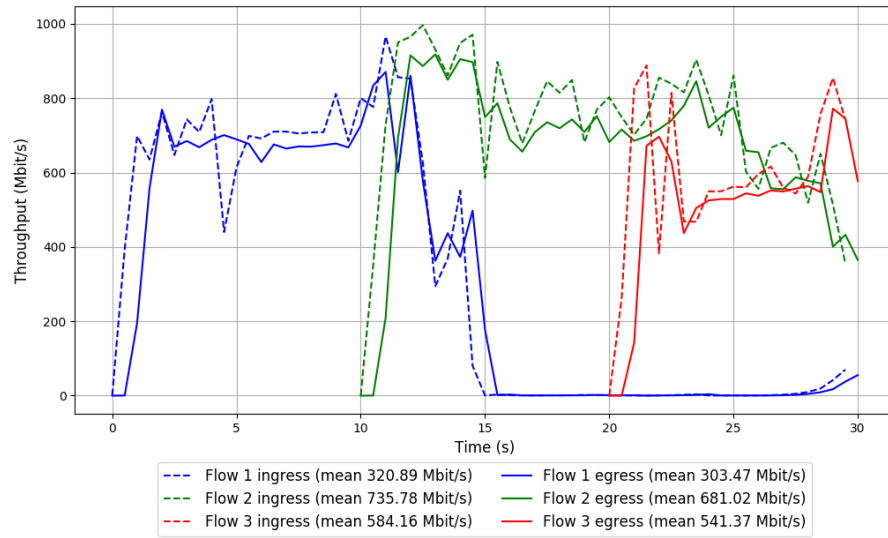


Run 10: Statistics of FillP

Start at: 2018-07-26 08:29:51
End at: 2018-07-26 08:30:21
Local clock offset: 0.277 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-26 10:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 933.88 Mbit/s
95th percentile per-packet one-way delay: 265.566 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 303.47 Mbit/s
95th percentile per-packet one-way delay: 326.018 ms
Loss rate: 5.82%
-- Flow 2:
Average throughput: 681.02 Mbit/s
95th percentile per-packet one-way delay: 205.551 ms
Loss rate: 8.01%
-- Flow 3:
Average throughput: 541.37 Mbit/s
95th percentile per-packet one-way delay: 207.384 ms
Loss rate: 8.47%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-26 04:58:02

End at: 2018-07-26 04:58:32

Local clock offset: -0.031 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-07-26 10:31:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1243.45 Mbit/s

95th percentile per-packet one-way delay: 164.531 ms

Loss rate: 2.09%

-- Flow 1:

Average throughput: 658.32 Mbit/s

95th percentile per-packet one-way delay: 161.079 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 593.61 Mbit/s

95th percentile per-packet one-way delay: 167.885 ms

Loss rate: 2.93%

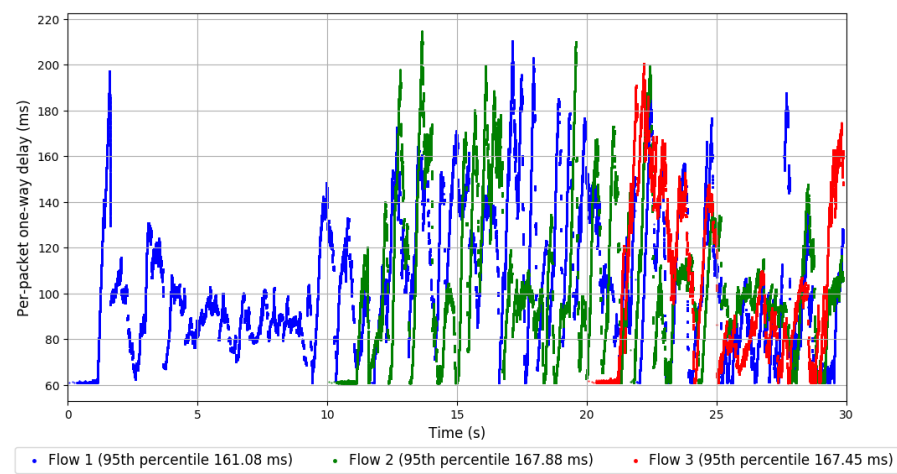
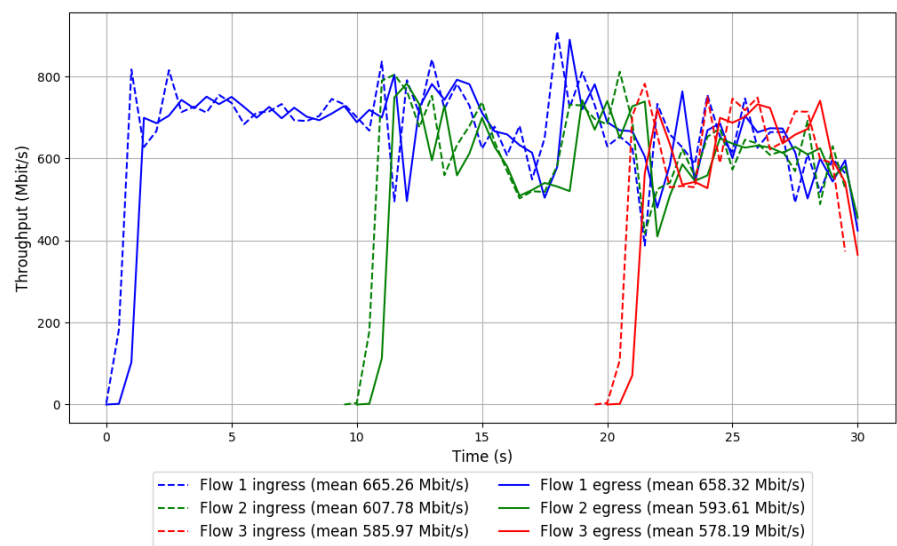
-- Flow 3:

Average throughput: 578.19 Mbit/s

95th percentile per-packet one-way delay: 167.450 ms

Loss rate: 2.55%

Run 1: Report of FillP-Sheep — Data Link

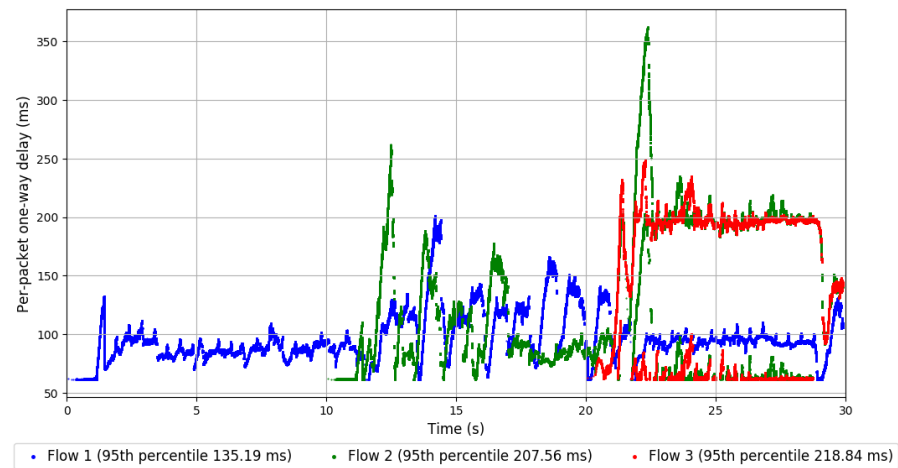
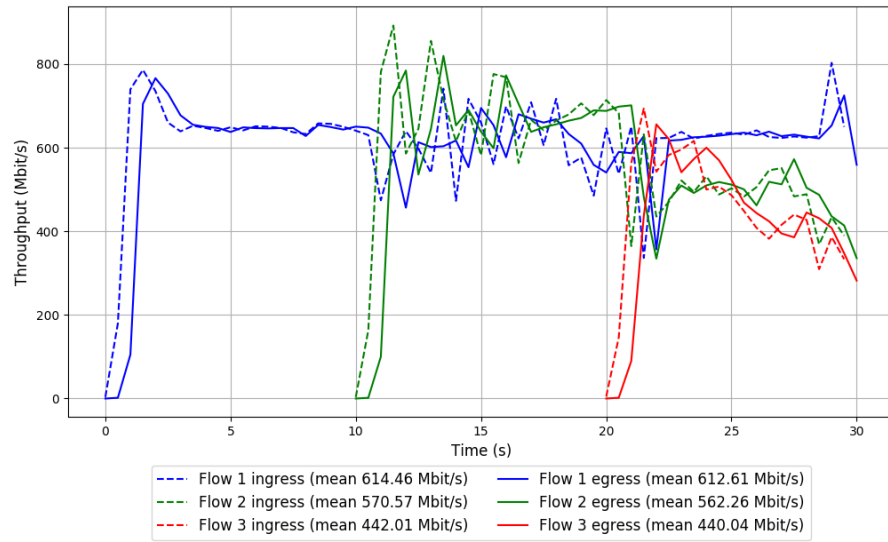


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-26 05:23:16
End at: 2018-07-26 05:23:46
Local clock offset: -0.051 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-07-26 10:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1131.06 Mbit/s
95th percentile per-packet one-way delay: 199.970 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 612.61 Mbit/s
95th percentile per-packet one-way delay: 135.187 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 562.26 Mbit/s
95th percentile per-packet one-way delay: 207.557 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 440.04 Mbit/s
95th percentile per-packet one-way delay: 218.844 ms
Loss rate: 1.67%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-26 05:48:17

End at: 2018-07-26 05:48:47

Local clock offset: 0.061 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-07-26 10:31:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1020.61 Mbit/s

95th percentile per-packet one-way delay: 230.789 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 619.58 Mbit/s

95th percentile per-packet one-way delay: 233.020 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 303.68 Mbit/s

95th percentile per-packet one-way delay: 236.733 ms

Loss rate: 1.87%

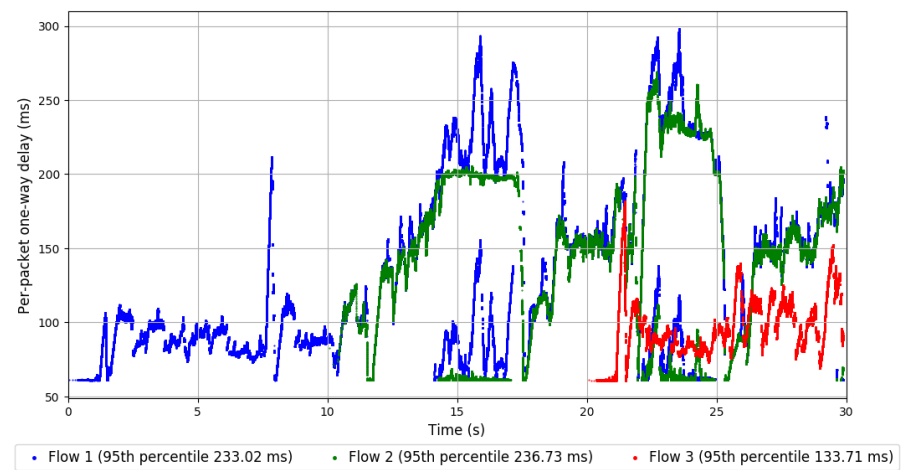
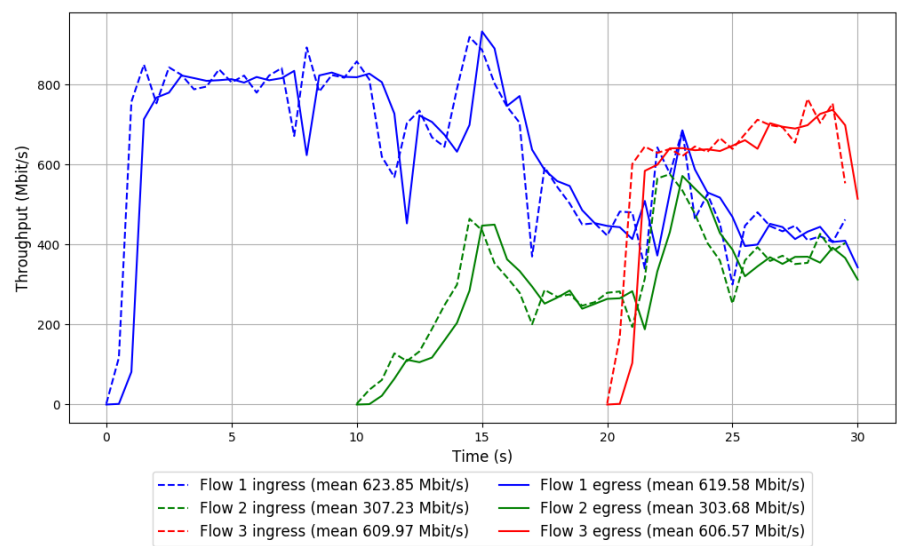
-- Flow 3:

Average throughput: 606.57 Mbit/s

95th percentile per-packet one-way delay: 133.709 ms

Loss rate: 1.73%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-26 06:13:23

End at: 2018-07-26 06:13:53

Local clock offset: 0.126 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-07-26 10:31:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1031.42 Mbit/s

95th percentile per-packet one-way delay: 233.973 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 541.58 Mbit/s

95th percentile per-packet one-way delay: 230.390 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 435.34 Mbit/s

95th percentile per-packet one-way delay: 260.533 ms

Loss rate: 2.54%

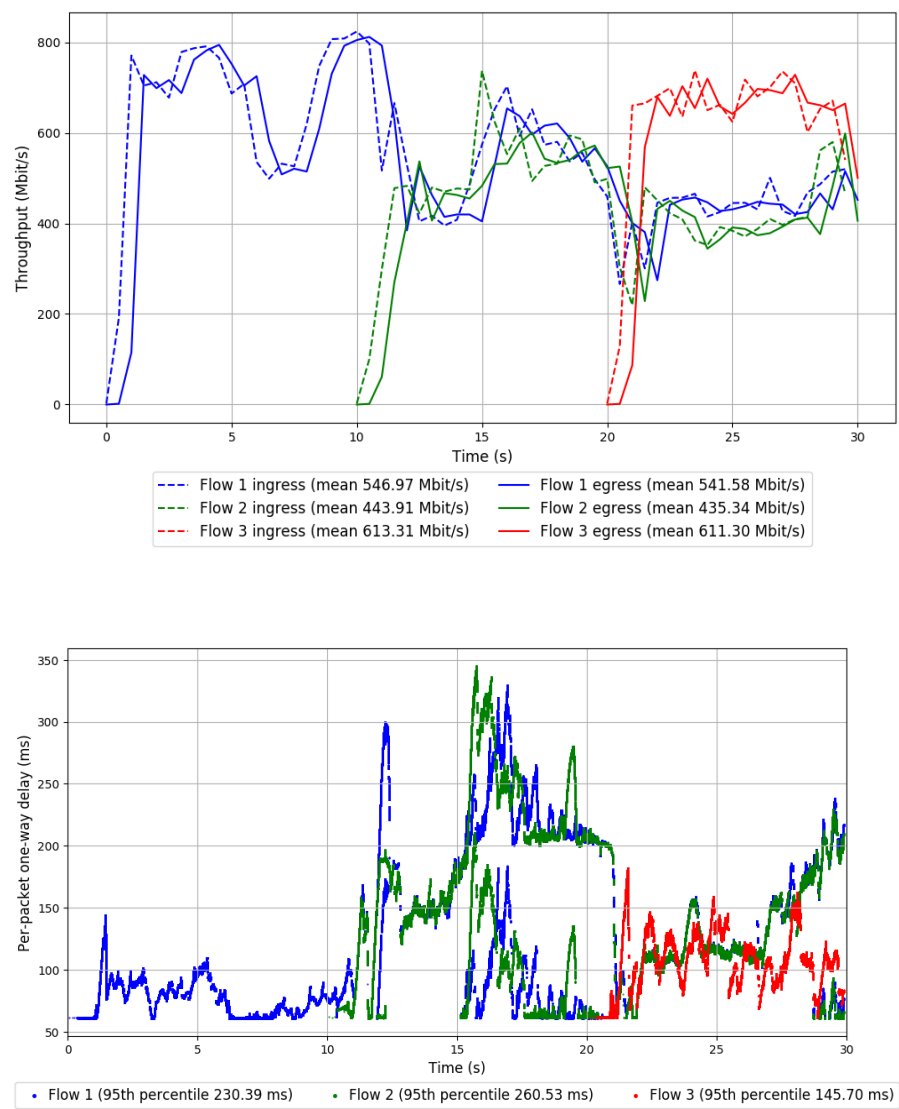
-- Flow 3:

Average throughput: 611.30 Mbit/s

95th percentile per-packet one-way delay: 145.704 ms

Loss rate: 1.56%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-26 06:38:29

End at: 2018-07-26 06:38:59

Local clock offset: 0.18 ms

Remote clock offset: 1.263 ms

Below is generated by plot.py at 2018-07-26 10:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1247.82 Mbit/s

95th percentile per-packet one-way delay: 166.969 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 635.77 Mbit/s

95th percentile per-packet one-way delay: 161.956 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 625.03 Mbit/s

95th percentile per-packet one-way delay: 172.481 ms

Loss rate: 1.87%

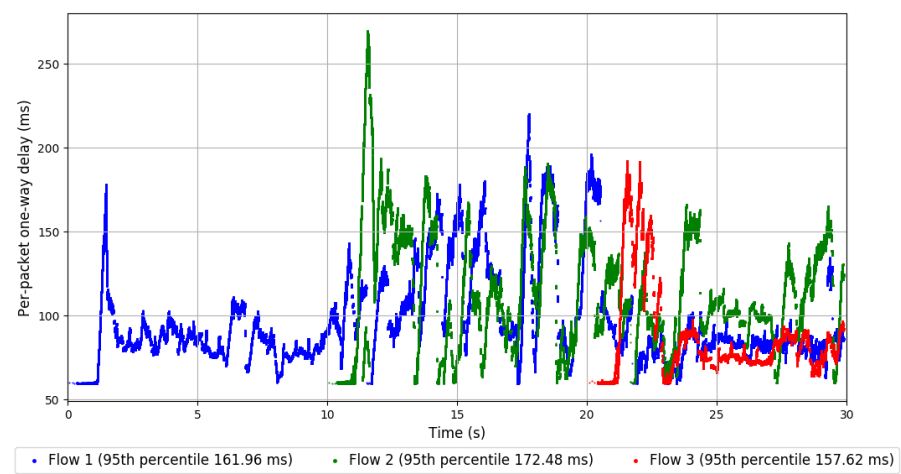
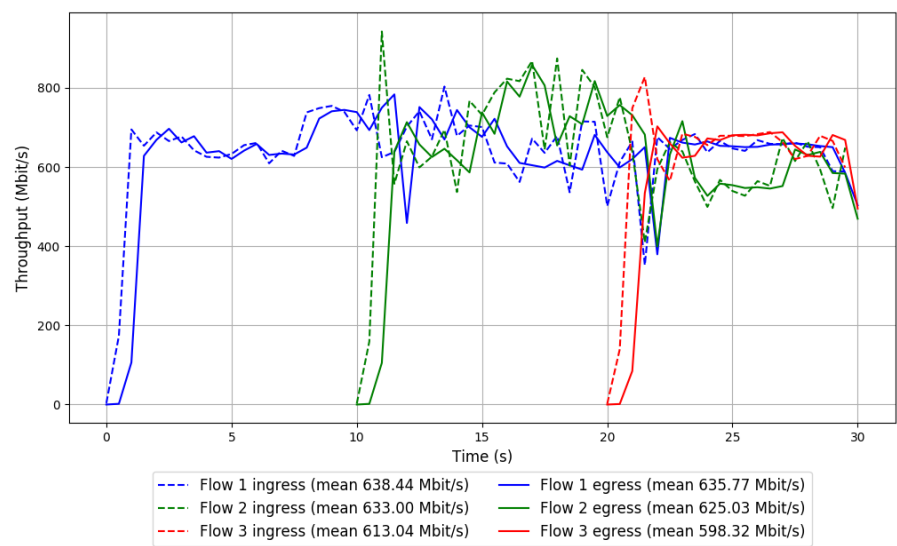
-- Flow 3:

Average throughput: 598.32 Mbit/s

95th percentile per-packet one-way delay: 157.620 ms

Loss rate: 3.59%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-26 07:03:43

End at: 2018-07-26 07:04:13

Local clock offset: 0.228 ms

Remote clock offset: 1.325 ms

Below is generated by plot.py at 2018-07-26 10:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1151.47 Mbit/s

95th percentile per-packet one-way delay: 172.305 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 591.58 Mbit/s

95th percentile per-packet one-way delay: 168.506 ms

Loss rate: 2.38%

-- Flow 2:

Average throughput: 586.45 Mbit/s

95th percentile per-packet one-way delay: 185.649 ms

Loss rate: 2.60%

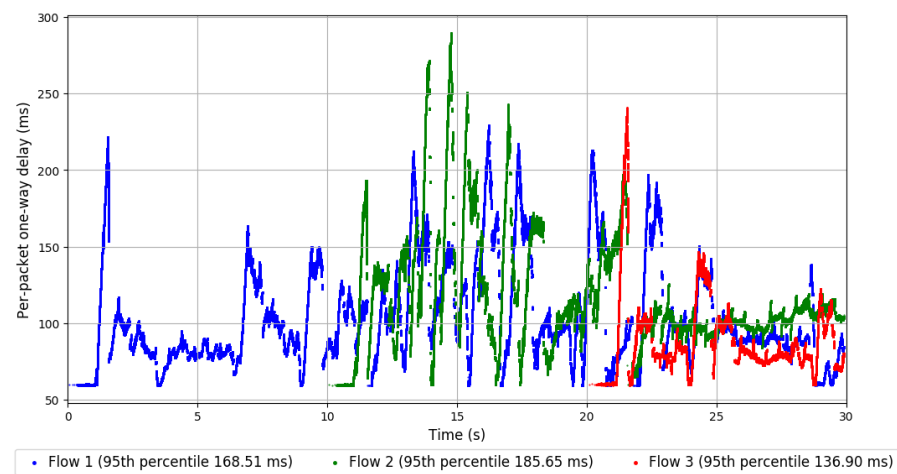
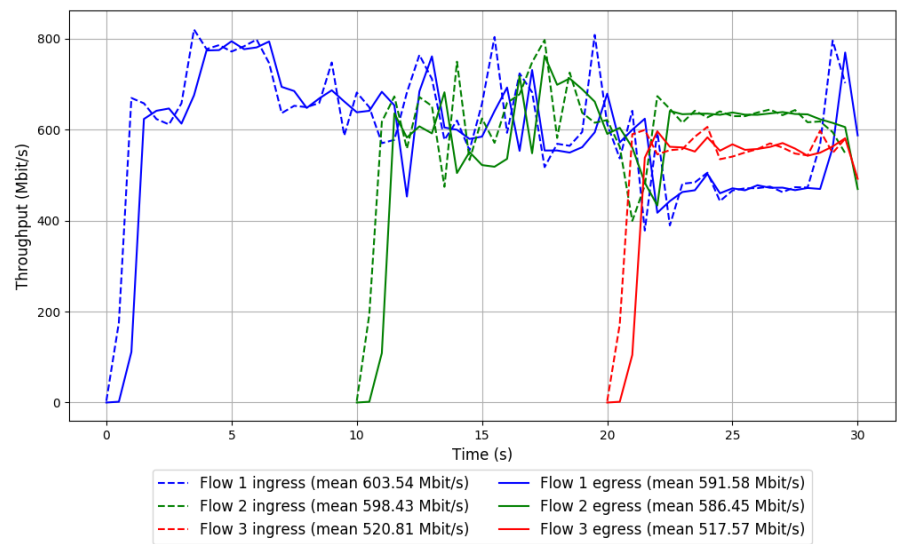
-- Flow 3:

Average throughput: 517.57 Mbit/s

95th percentile per-packet one-way delay: 136.903 ms

Loss rate: 1.84%

Run 6: Report of FillP-Sheep — Data Link

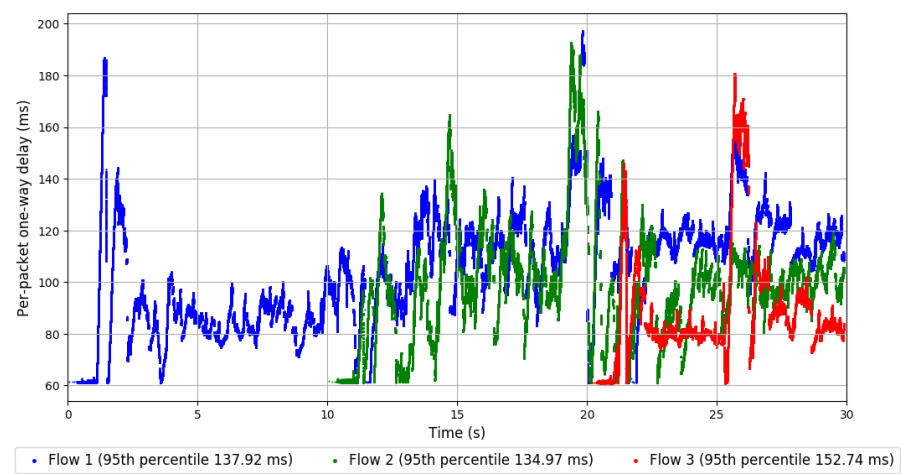
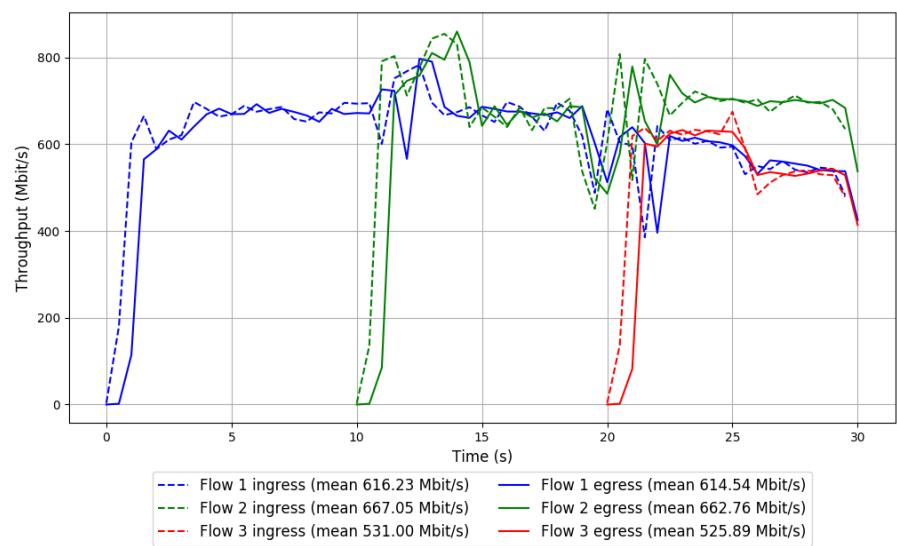


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-26 07:28:57
End at: 2018-07-26 07:29:27
Local clock offset: 0.235 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-26 10:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1227.84 Mbit/s
95th percentile per-packet one-way delay: 138.305 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 614.54 Mbit/s
95th percentile per-packet one-way delay: 137.921 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 662.76 Mbit/s
95th percentile per-packet one-way delay: 134.971 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 525.89 Mbit/s
95th percentile per-packet one-way delay: 152.741 ms
Loss rate: 2.19%

Run 7: Report of FillP-Sheep — Data Link

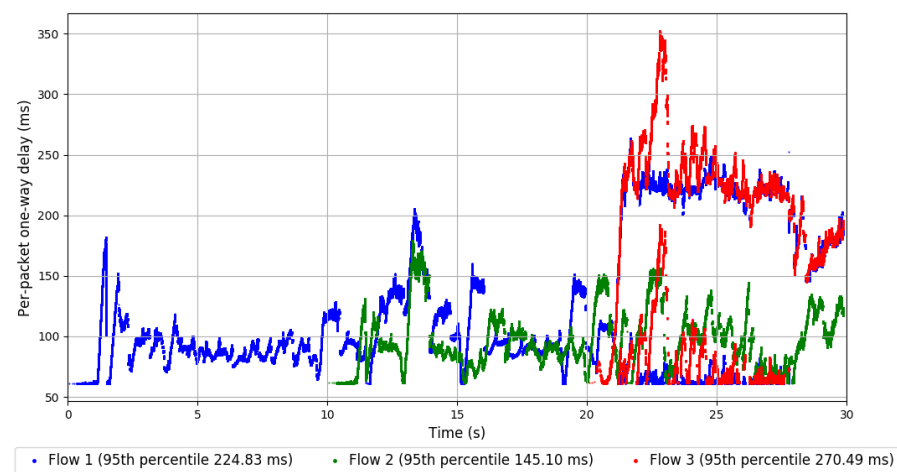
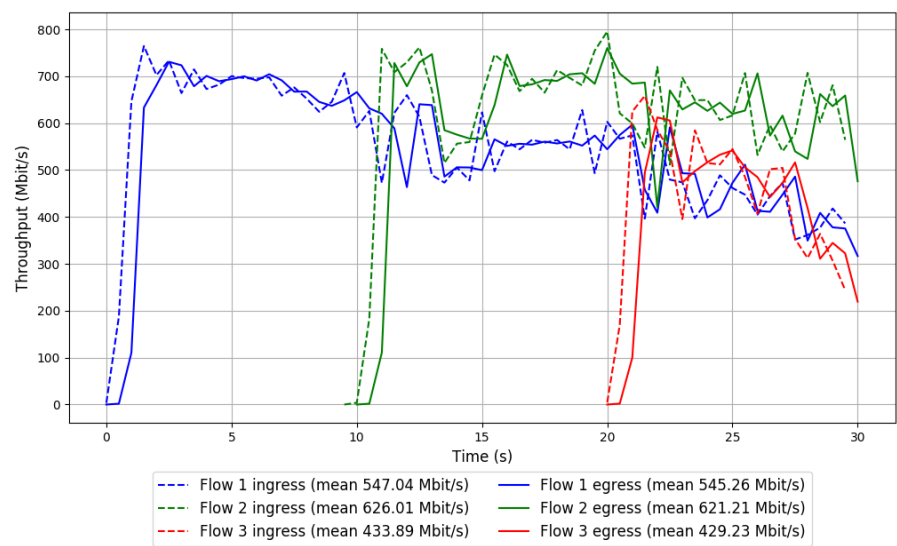


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-26 07:54:06
End at: 2018-07-26 07:54:36
Local clock offset: 0.291 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-26 10:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1099.24 Mbit/s
95th percentile per-packet one-way delay: 228.381 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 545.26 Mbit/s
95th percentile per-packet one-way delay: 224.826 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 621.21 Mbit/s
95th percentile per-packet one-way delay: 145.096 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 429.23 Mbit/s
95th percentile per-packet one-way delay: 270.487 ms
Loss rate: 2.32%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-26 08:19:23

End at: 2018-07-26 08:19:53

Local clock offset: 0.262 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-07-26 10:55:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1065.85 Mbit/s

95th percentile per-packet one-way delay: 241.603 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 529.76 Mbit/s

95th percentile per-packet one-way delay: 231.679 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 499.55 Mbit/s

95th percentile per-packet one-way delay: 256.634 ms

Loss rate: 1.28%

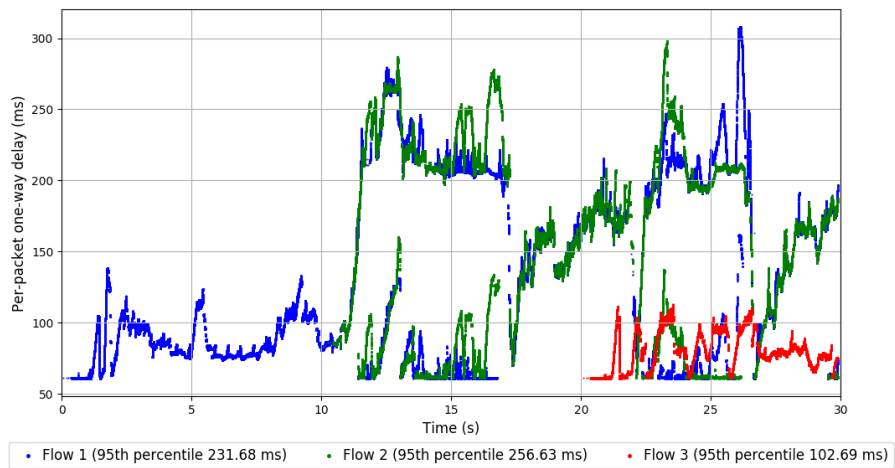
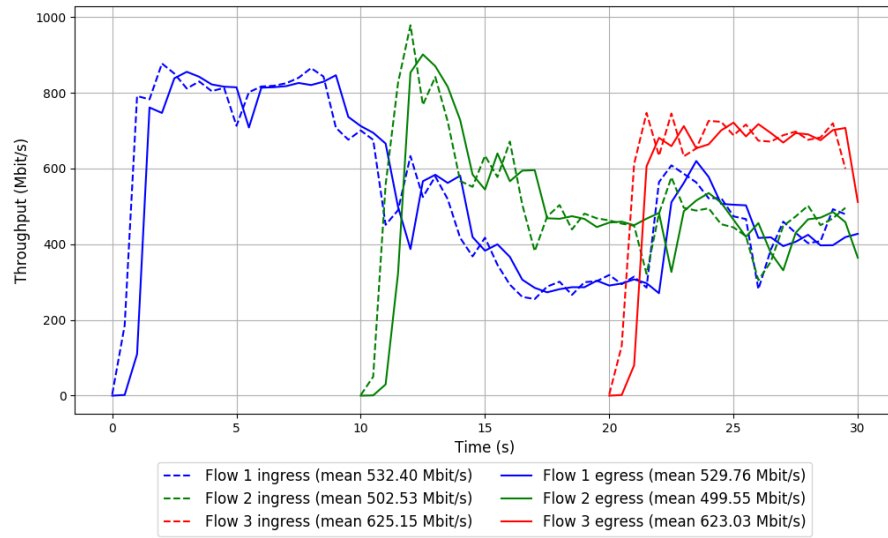
-- Flow 3:

Average throughput: 623.03 Mbit/s

95th percentile per-packet one-way delay: 102.690 ms

Loss rate: 1.58%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-26 08:44:20

End at: 2018-07-26 08:44:50

Local clock offset: 0.35 ms

Remote clock offset: 1.207 ms

Below is generated by plot.py at 2018-07-26 10:59:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1228.47 Mbit/s

95th percentile per-packet one-way delay: 141.440 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 649.68 Mbit/s

95th percentile per-packet one-way delay: 141.068 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 591.63 Mbit/s

95th percentile per-packet one-way delay: 144.819 ms

Loss rate: 0.76%

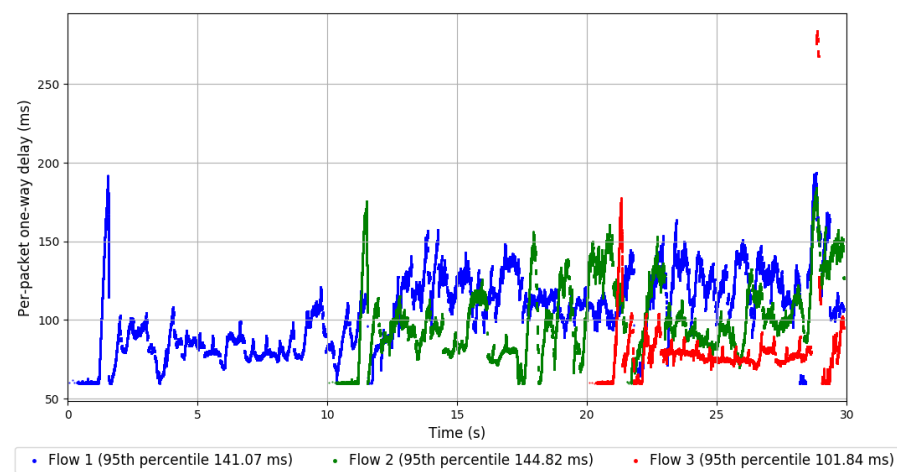
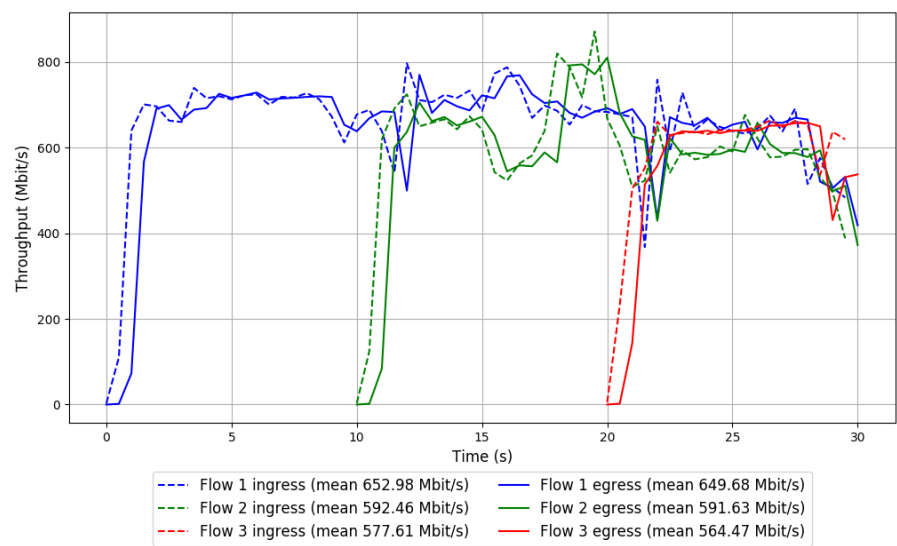
-- Flow 3:

Average throughput: 564.47 Mbit/s

95th percentile per-packet one-way delay: 101.837 ms

Loss rate: 3.50%

Run 10: Report of FillP-Sheep — Data Link

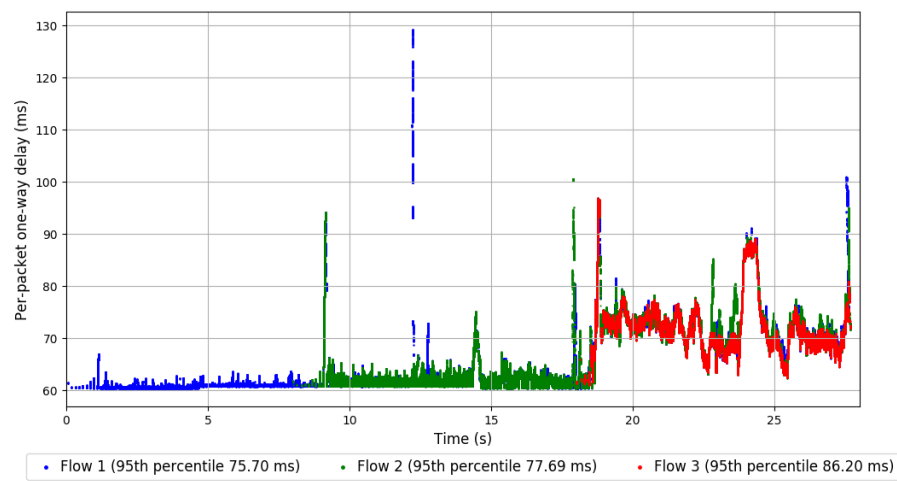
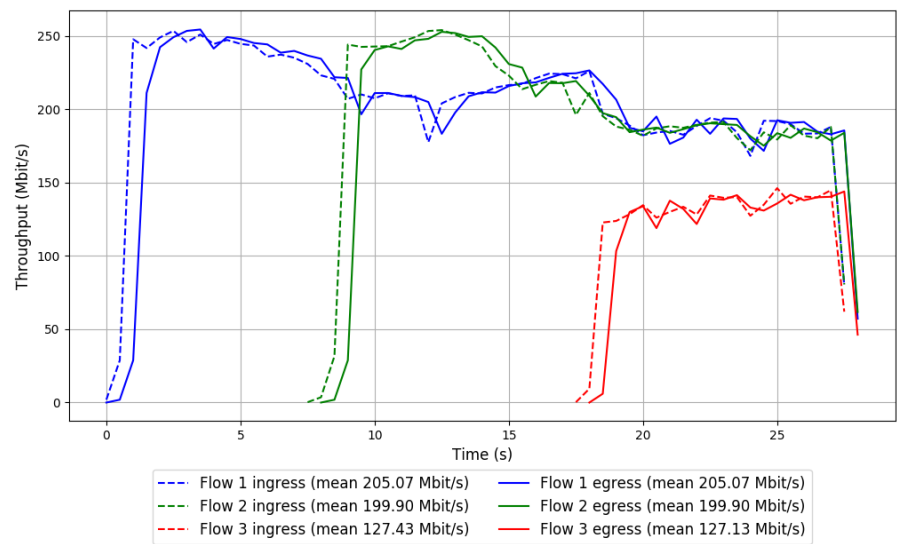


```
Run 1: Statistics of Indigo

Start at: 2018-07-26 04:45:20
End at: 2018-07-26 04:45:50
Local clock offset: -0.088 ms
Remote clock offset: 0.228 ms

# Below is generated by plot.py at 2018-07-26 10:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.71 Mbit/s
95th percentile per-packet one-way delay: 77.047 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 205.07 Mbit/s
95th percentile per-packet one-way delay: 75.705 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 199.90 Mbit/s
95th percentile per-packet one-way delay: 77.691 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 127.13 Mbit/s
95th percentile per-packet one-way delay: 86.197 ms
Loss rate: 1.48%
```

Run 1: Report of Indigo — Data Link

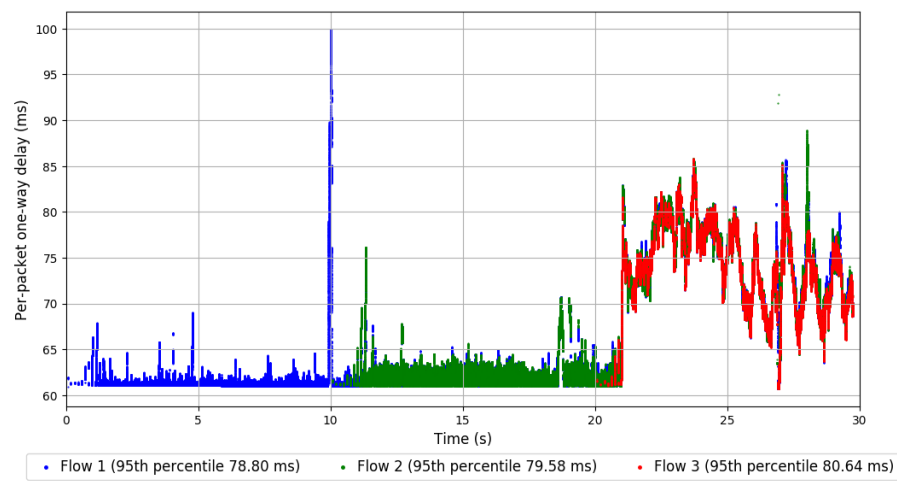
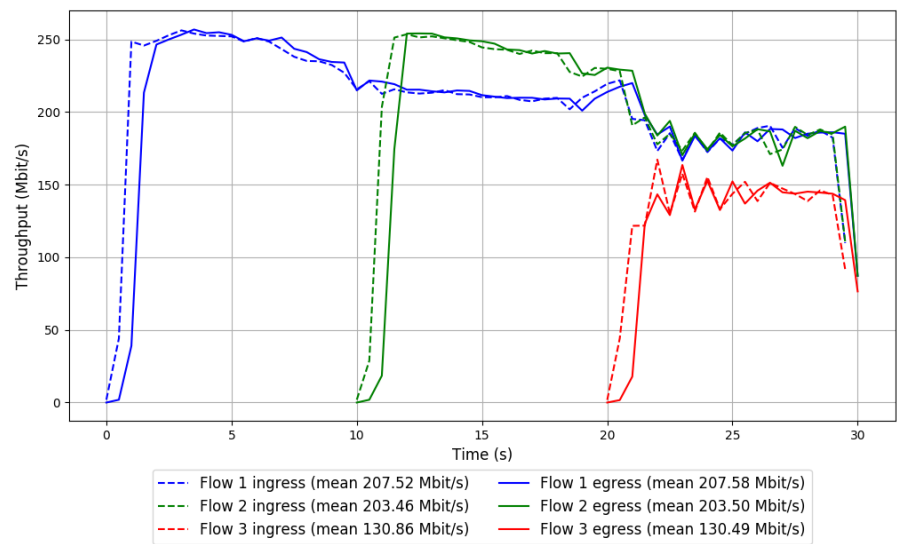


Run 2: Statistics of Indigo

Start at: 2018-07-26 05:10:41
End at: 2018-07-26 05:11:11
Local clock offset: -0.037 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-26 10:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.79 Mbit/s
95th percentile per-packet one-way delay: 79.524 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 207.58 Mbit/s
95th percentile per-packet one-way delay: 78.802 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 203.50 Mbit/s
95th percentile per-packet one-way delay: 79.577 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 130.49 Mbit/s
95th percentile per-packet one-way delay: 80.637 ms
Loss rate: 1.52%

Run 2: Report of Indigo — Data Link

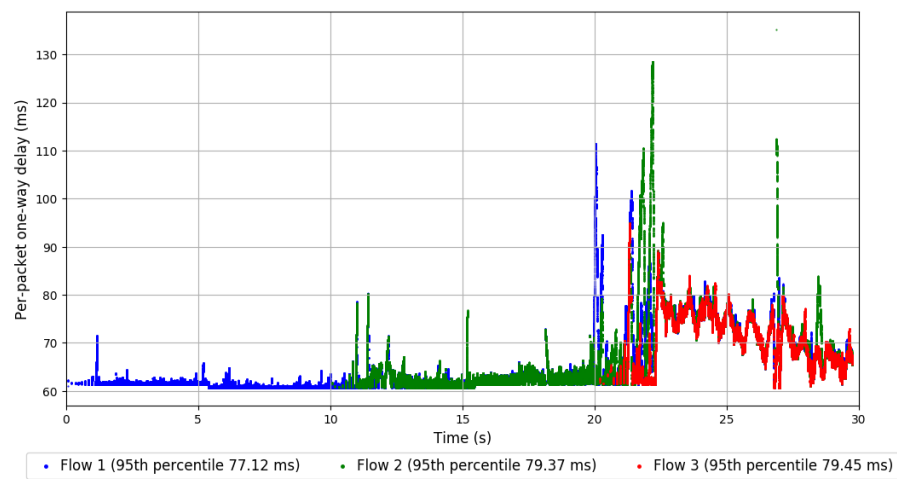
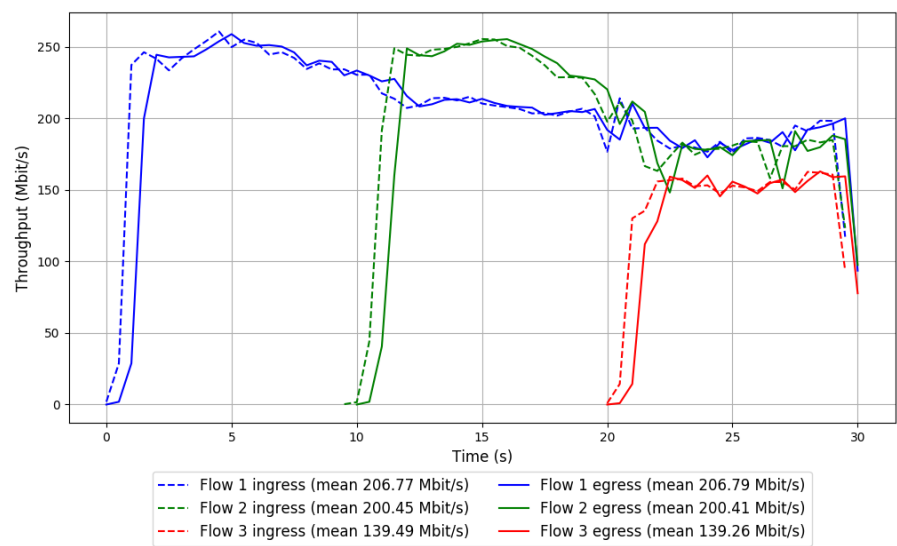


Run 3: Statistics of Indigo

Start at: 2018-07-26 05:35:41
End at: 2018-07-26 05:36:11
Local clock offset: -0.016 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-26 10:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.52 Mbit/s
95th percentile per-packet one-way delay: 78.147 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 206.79 Mbit/s
95th percentile per-packet one-way delay: 77.118 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 200.41 Mbit/s
95th percentile per-packet one-way delay: 79.371 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 139.26 Mbit/s
95th percentile per-packet one-way delay: 79.448 ms
Loss rate: 1.44%

Run 3: Report of Indigo — Data Link

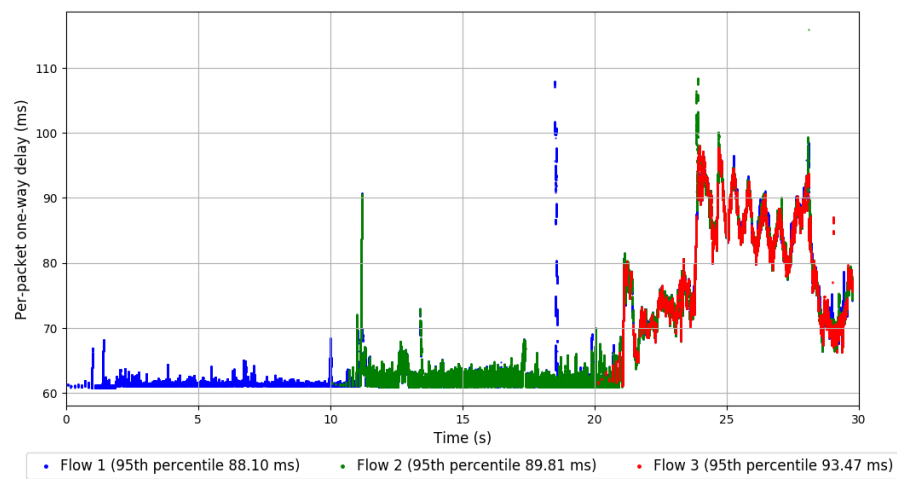
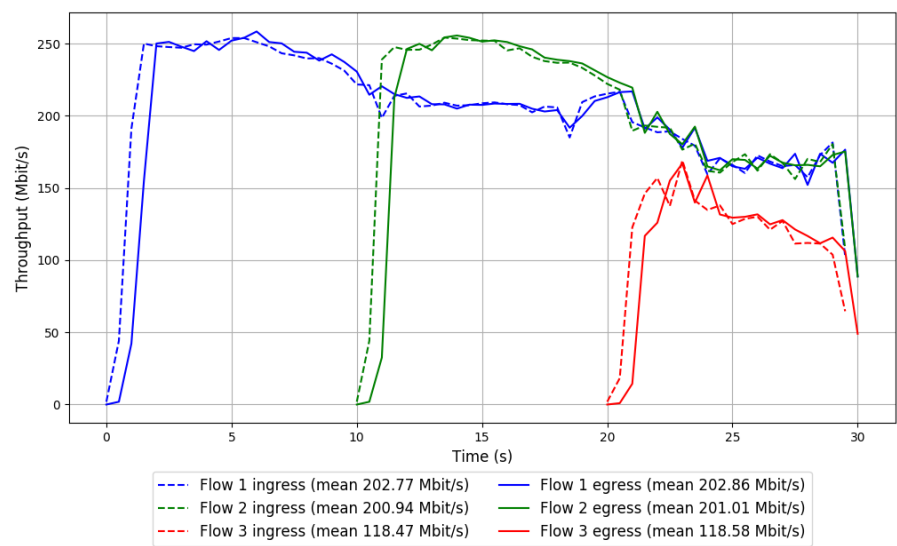


Run 4: Statistics of Indigo

Start at: 2018-07-26 06:00:45
End at: 2018-07-26 06:01:15
Local clock offset: 0.068 ms
Remote clock offset: -0.098 ms

```
# Below is generated by plot.py at 2018-07-26 10:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 374.44 Mbit/s
95th percentile per-packet one-way delay: 89.871 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 202.86 Mbit/s
95th percentile per-packet one-way delay: 88.098 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 201.01 Mbit/s
95th percentile per-packet one-way delay: 89.814 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 118.58 Mbit/s
95th percentile per-packet one-way delay: 93.465 ms
Loss rate: 1.18%
```

Run 4: Report of Indigo — Data Link

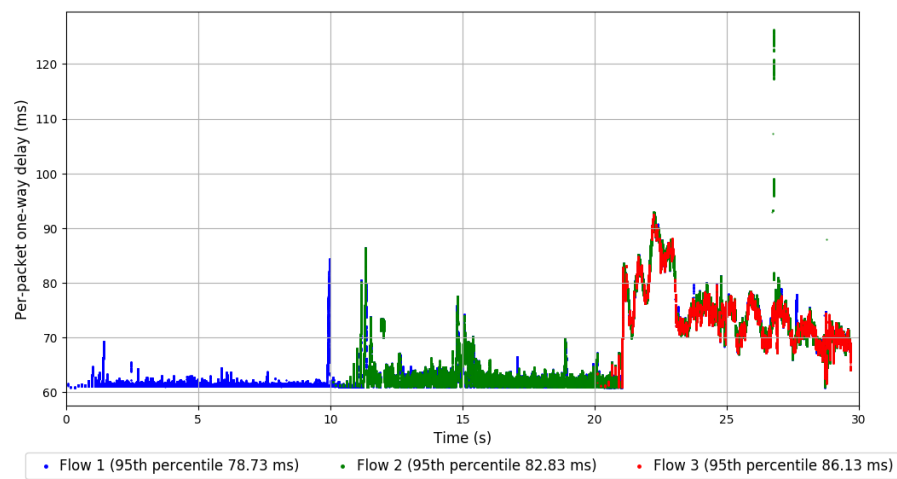
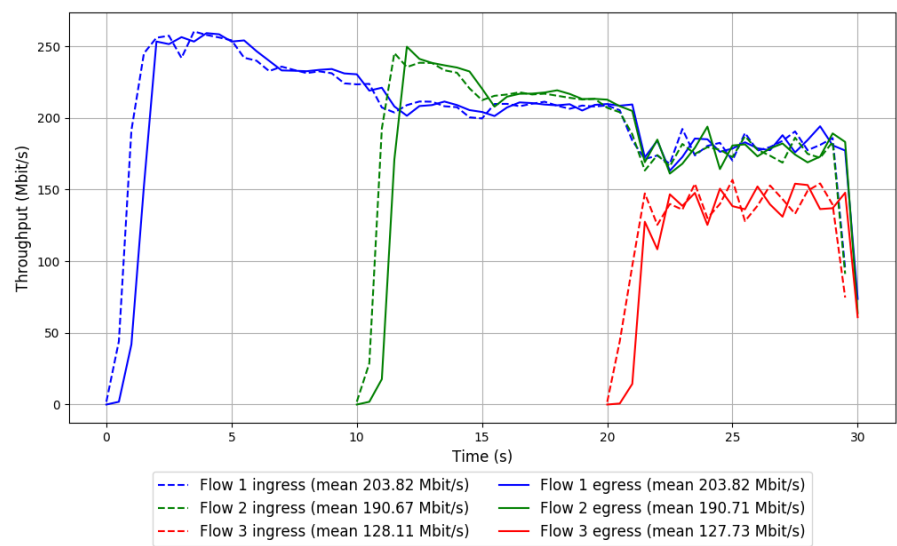


Run 5: Statistics of Indigo

Start at: 2018-07-26 06:25:46
End at: 2018-07-26 06:26:16
Local clock offset: 0.1 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-26 10:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.28 Mbit/s
95th percentile per-packet one-way delay: 82.133 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 203.82 Mbit/s
95th percentile per-packet one-way delay: 78.730 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 190.71 Mbit/s
95th percentile per-packet one-way delay: 82.832 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 127.73 Mbit/s
95th percentile per-packet one-way delay: 86.131 ms
Loss rate: 1.57%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-26 06:50:57

End at: 2018-07-26 06:51:27

Local clock offset: 0.173 ms

Remote clock offset: 0.328 ms

Below is generated by plot.py at 2018-07-26 10:59:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.07 Mbit/s

95th percentile per-packet one-way delay: 77.562 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 211.10 Mbit/s

95th percentile per-packet one-way delay: 76.361 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 202.46 Mbit/s

95th percentile per-packet one-way delay: 77.748 ms

Loss rate: 0.50%

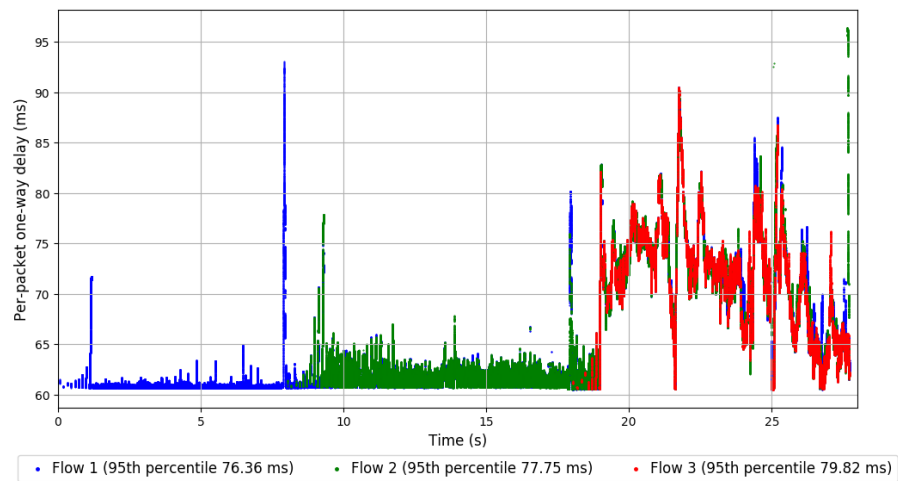
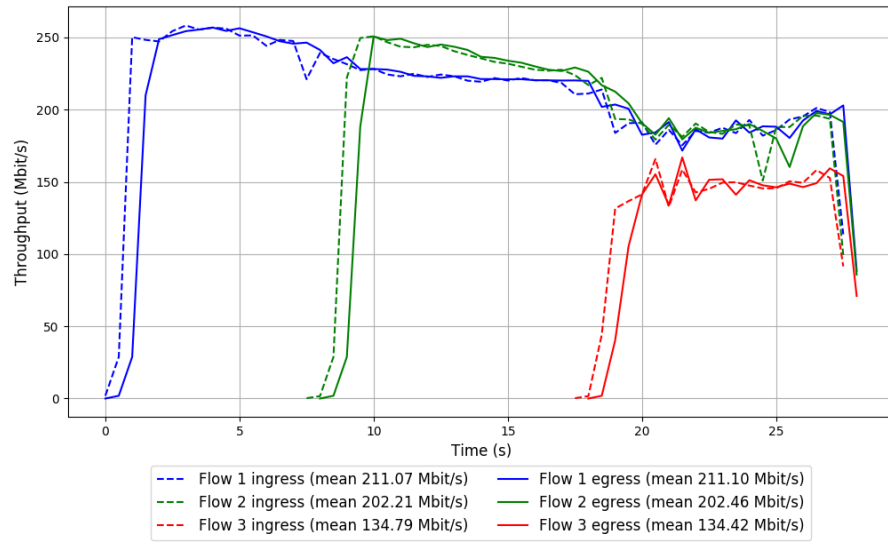
-- Flow 3:

Average throughput: 134.42 Mbit/s

95th percentile per-packet one-way delay: 79.822 ms

Loss rate: 1.52%

Run 6: Report of Indigo — Data Link

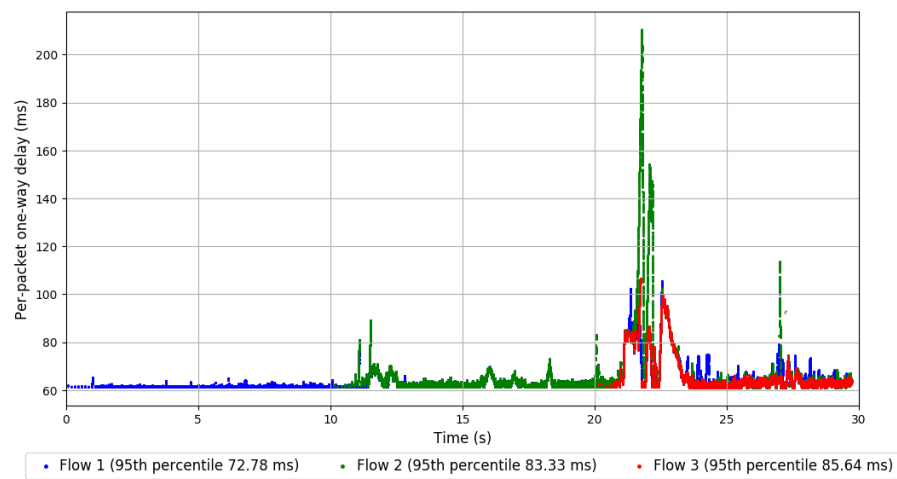
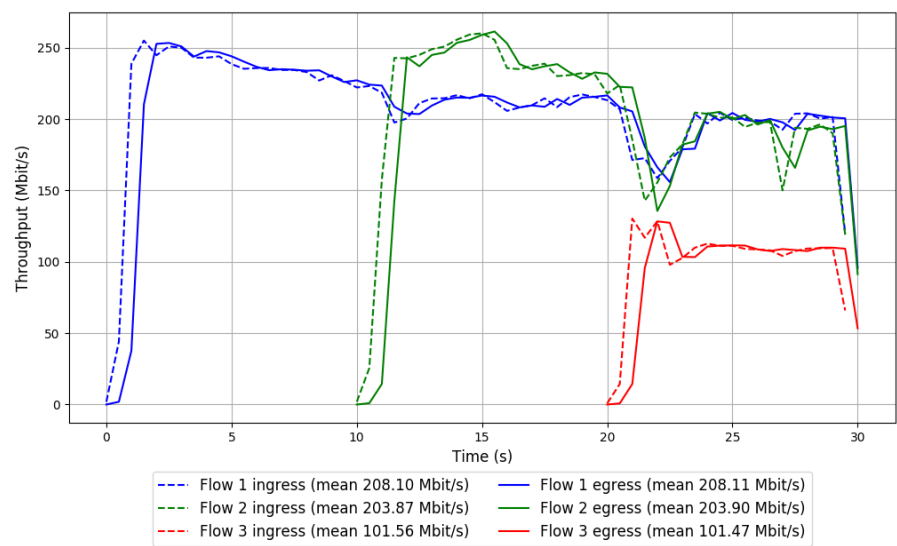


Run 7: Statistics of Indigo

Start at: 2018-07-26 07:16:14
End at: 2018-07-26 07:16:44
Local clock offset: 0.243 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-07-26 10:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.49 Mbit/s
95th percentile per-packet one-way delay: 81.039 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 208.11 Mbit/s
95th percentile per-packet one-way delay: 72.784 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 203.90 Mbit/s
95th percentile per-packet one-way delay: 83.330 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 101.47 Mbit/s
95th percentile per-packet one-way delay: 85.639 ms
Loss rate: 1.35%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-26 07:41:27

End at: 2018-07-26 07:41:57

Local clock offset: 0.212 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-07-26 10:59:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.84 Mbit/s

95th percentile per-packet one-way delay: 85.904 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 198.80 Mbit/s

95th percentile per-packet one-way delay: 83.771 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 192.96 Mbit/s

95th percentile per-packet one-way delay: 86.475 ms

Loss rate: 0.60%

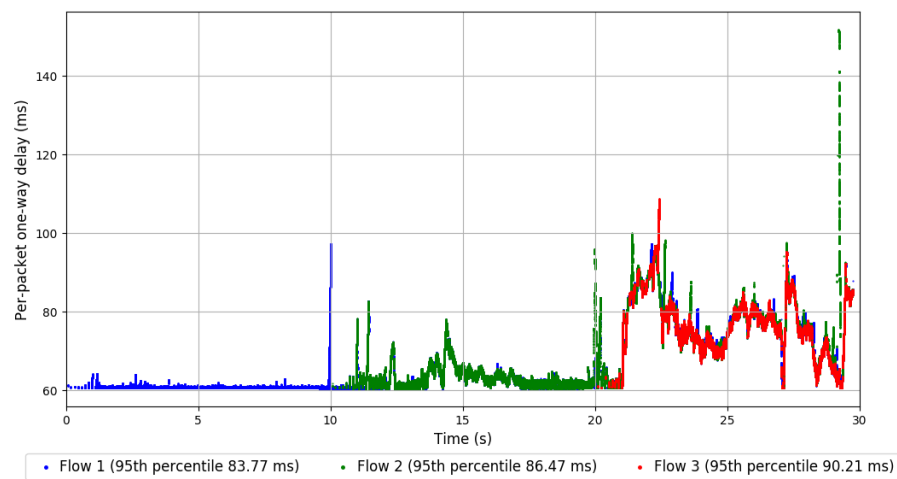
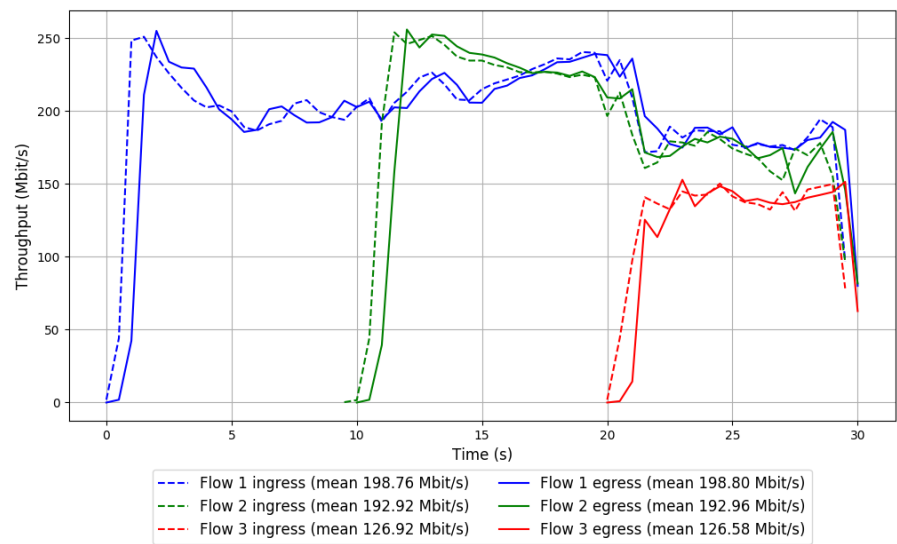
-- Flow 3:

Average throughput: 126.58 Mbit/s

95th percentile per-packet one-way delay: 90.214 ms

Loss rate: 1.51%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-26 08:06:32

End at: 2018-07-26 08:07:02

Local clock offset: 0.281 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-26 10:59:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.81 Mbit/s

95th percentile per-packet one-way delay: 84.968 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 199.89 Mbit/s

95th percentile per-packet one-way delay: 83.682 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 182.46 Mbit/s

95th percentile per-packet one-way delay: 85.116 ms

Loss rate: 0.68%

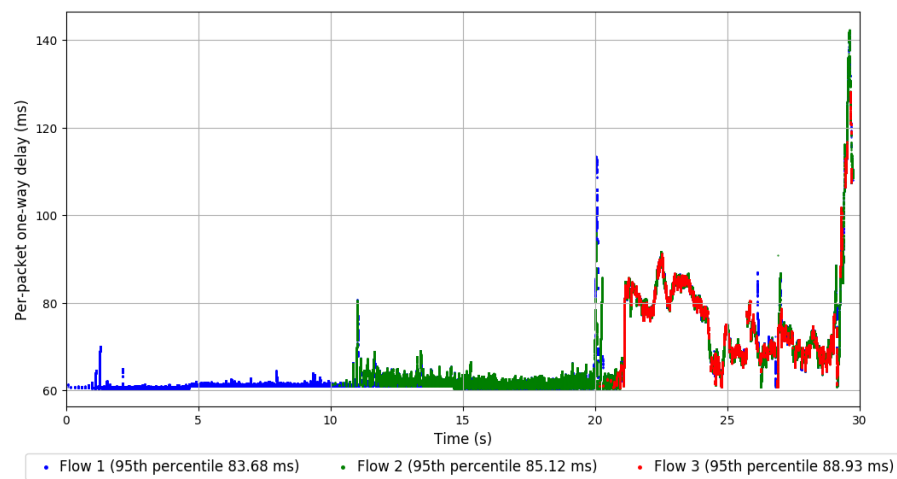
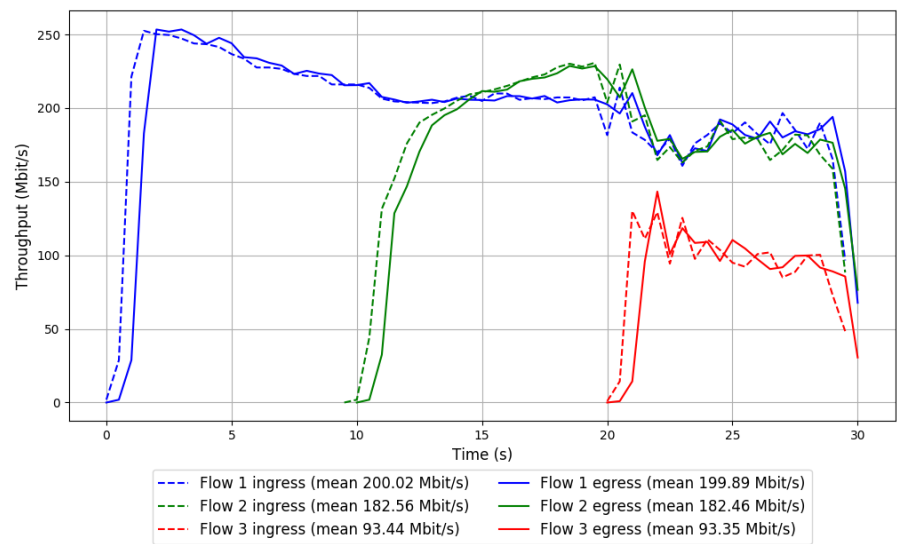
-- Flow 3:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 88.934 ms

Loss rate: 1.37%

Run 9: Report of Indigo — Data Link

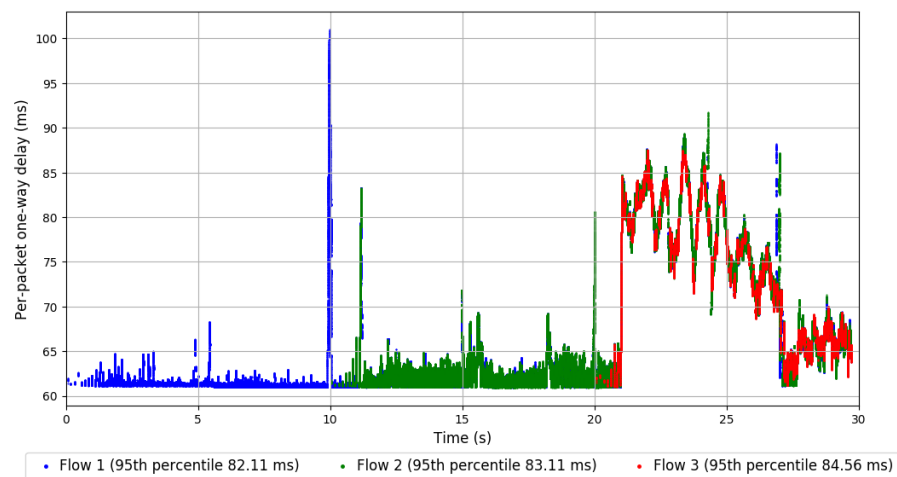
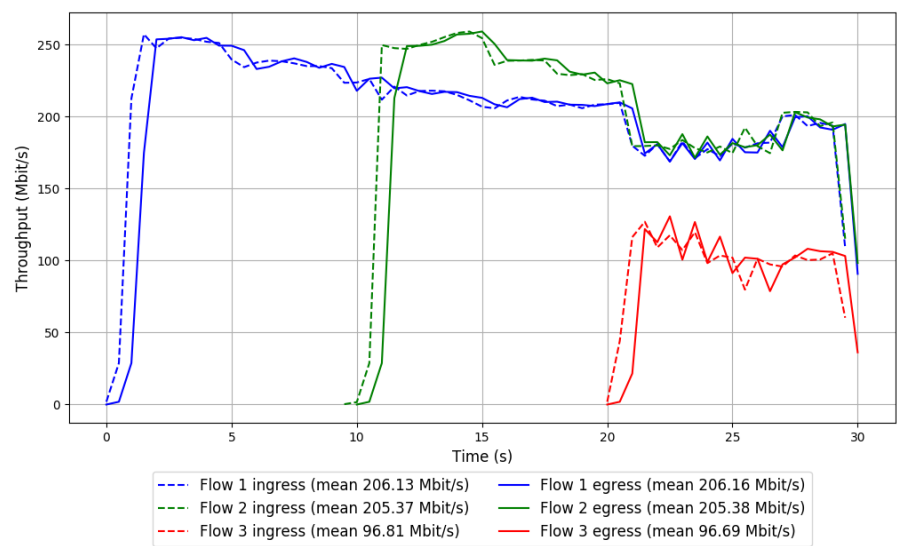


Run 10: Statistics of Indigo

Start at: 2018-07-26 08:31:41
End at: 2018-07-26 08:32:11
Local clock offset: 0.316 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-26 10:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.76 Mbit/s
95th percentile per-packet one-way delay: 82.986 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 206.16 Mbit/s
95th percentile per-packet one-way delay: 82.107 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 205.38 Mbit/s
95th percentile per-packet one-way delay: 83.110 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 84.555 ms
Loss rate: 1.37%

Run 10: Report of Indigo — Data Link

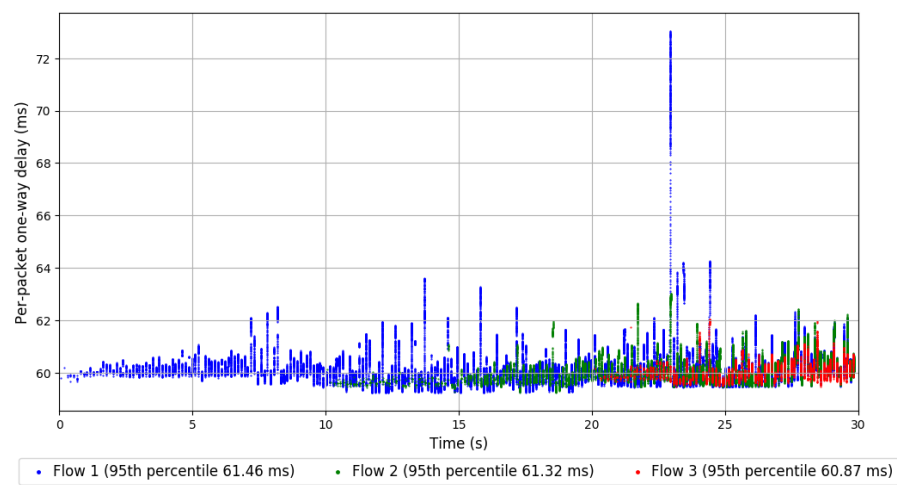
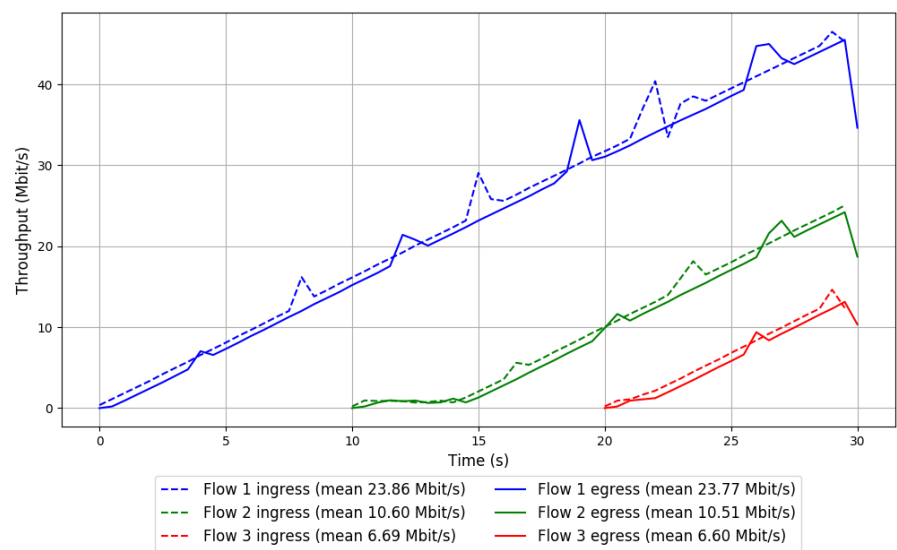


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-26 04:39:27
End at: 2018-07-26 04:39:57
Local clock offset: -0.059 ms
Remote clock offset: 1.471 ms

# Below is generated by plot.py at 2018-07-26 10:59:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 61.398 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 61.463 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 61.318 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 60.870 ms
Loss rate: 2.69%
```


Run 1: Report of LEDBAT — Data Link

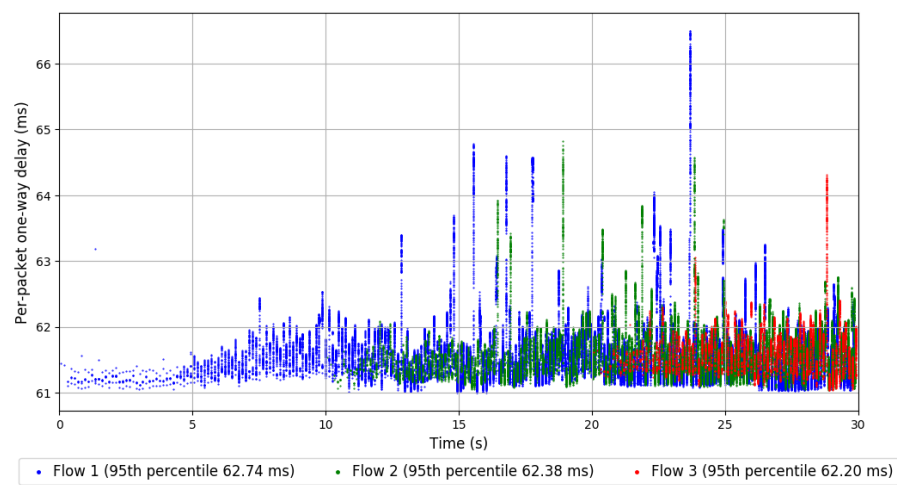
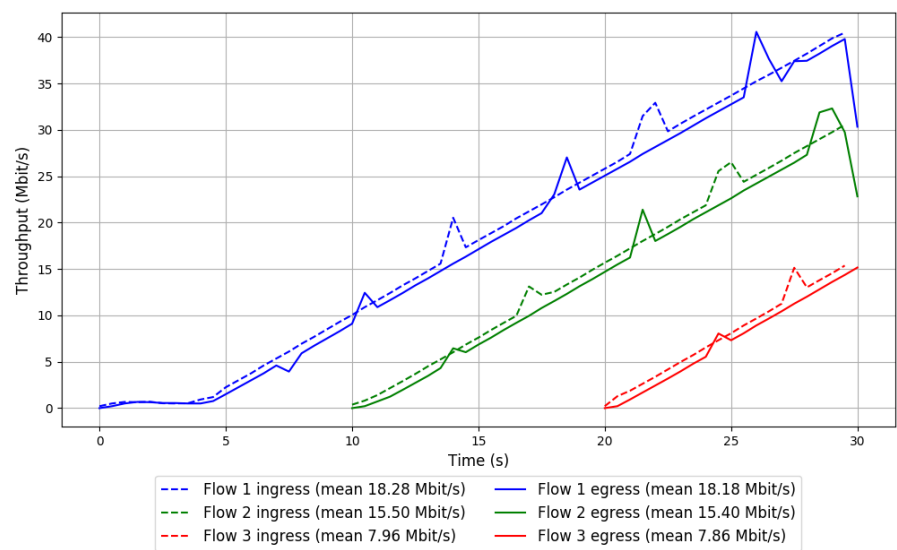


Run 2: Statistics of LEDBAT

Start at: 2018-07-26 05:04:41
End at: 2018-07-26 05:05:11
Local clock offset: -0.063 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-26 10:59:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 62.563 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 62.743 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 62.382 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 62.201 ms
Loss rate: 2.47%

Run 2: Report of LEDBAT — Data Link

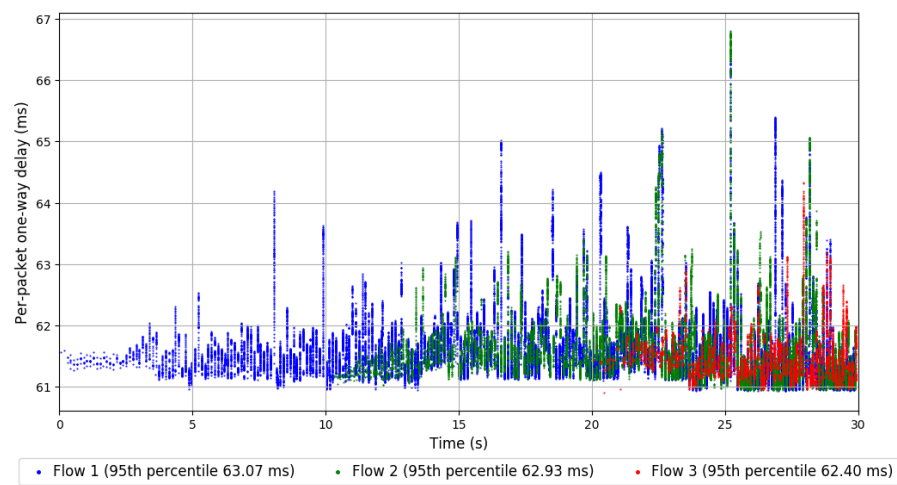
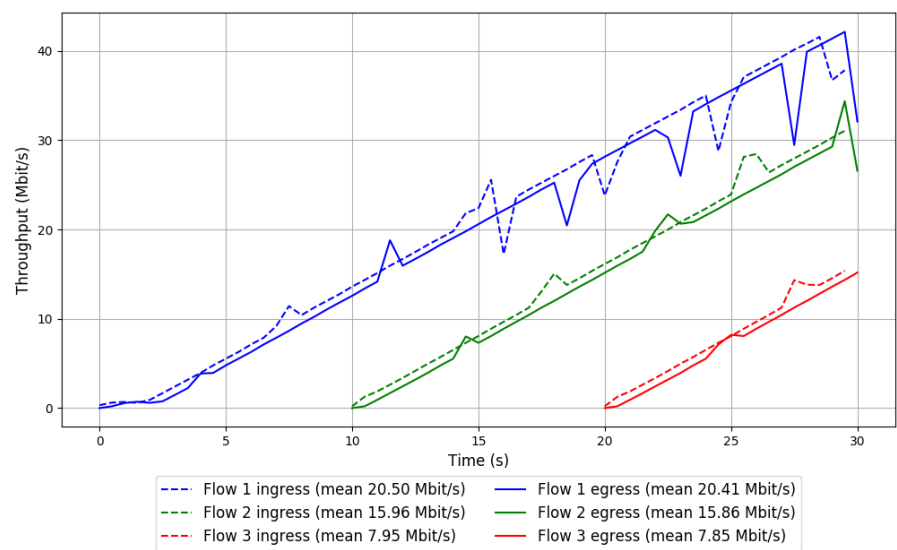


Run 3: Statistics of LEDBAT

Start at: 2018-07-26 05:29:43
End at: 2018-07-26 05:30:13
Local clock offset: -0.043 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-26 10:59:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 62.972 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 63.073 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 62.931 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 62.399 ms
Loss rate: 2.48%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-26 05:54:47

End at: 2018-07-26 05:55:17

Local clock offset: 0.081 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-26 10:59:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.45 Mbit/s

95th percentile per-packet one-way delay: 62.638 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 62.424 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 15.86 Mbit/s

95th percentile per-packet one-way delay: 62.946 ms

Loss rate: 1.23%

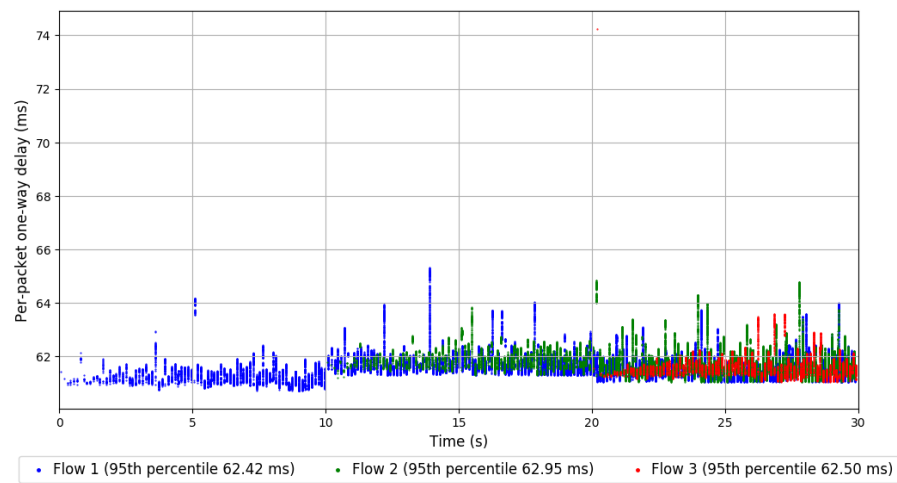
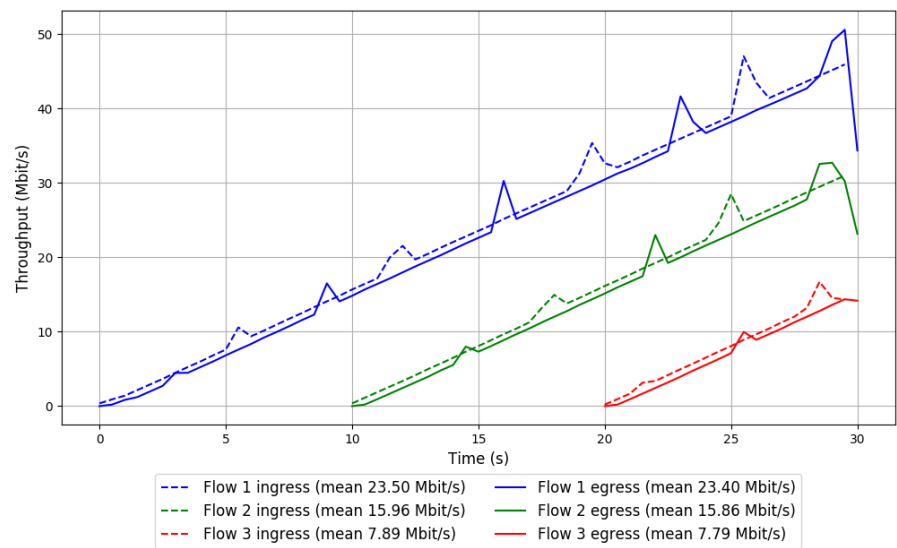
-- Flow 3:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 62.497 ms

Loss rate: 2.46%

Run 4: Report of LEDBAT — Data Link

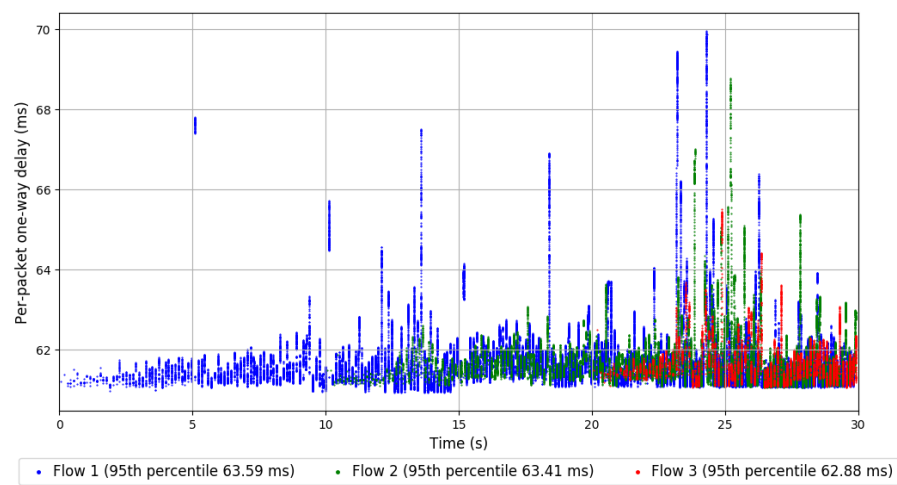
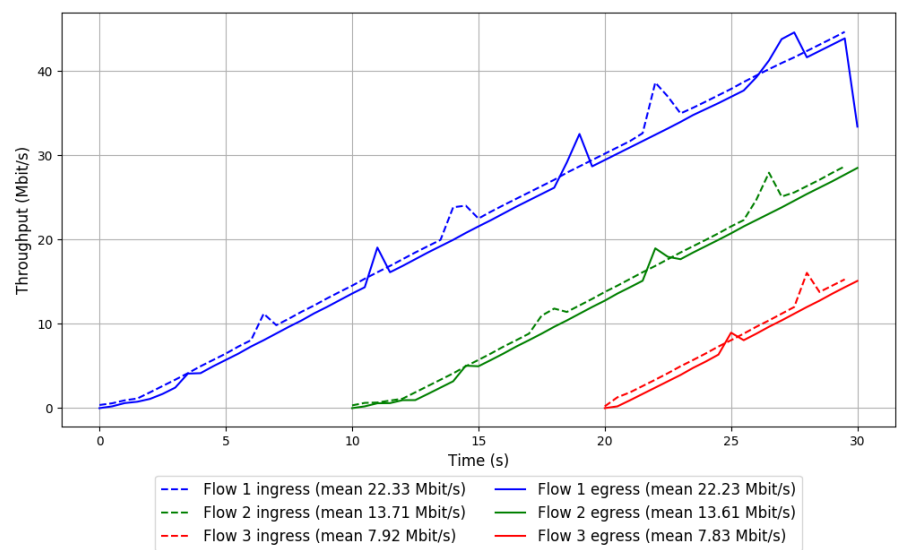


Run 5: Statistics of LEDBAT

Start at: 2018-07-26 06:19:52
End at: 2018-07-26 06:20:22
Local clock offset: 0.141 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-26 10:59:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 63.464 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 63.592 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 63.413 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 62.882 ms
Loss rate: 2.47%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-26 06:45:03

End at: 2018-07-26 06:45:33

Local clock offset: 0.183 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-07-26 10:59:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.83 Mbit/s

95th percentile per-packet one-way delay: 62.467 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 23.73 Mbit/s

95th percentile per-packet one-way delay: 62.576 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 15.87 Mbit/s

95th percentile per-packet one-way delay: 62.321 ms

Loss rate: 1.23%

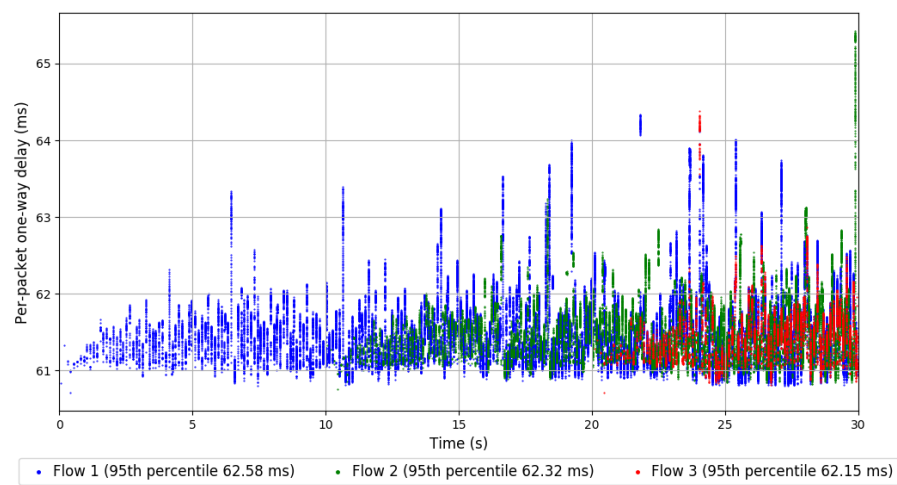
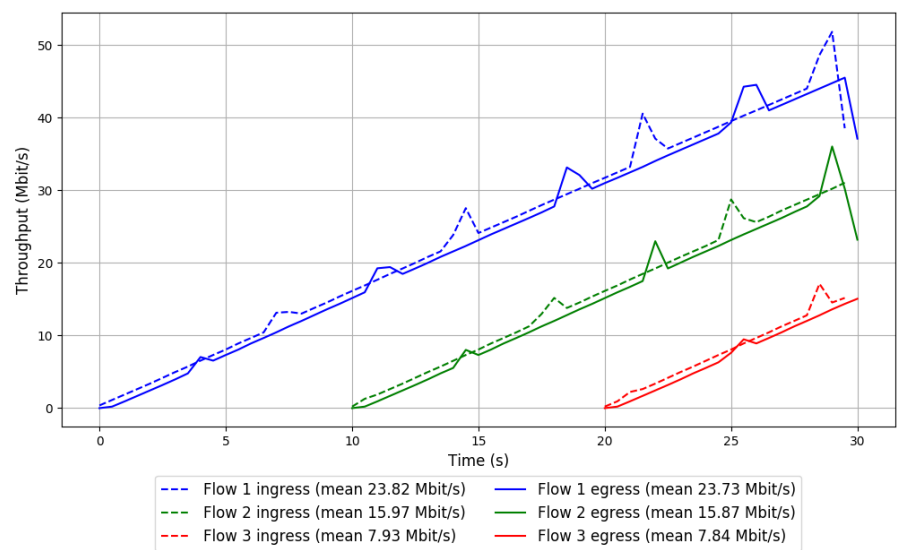
-- Flow 3:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 62.153 ms

Loss rate: 2.42%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-26 07:10:18

End at: 2018-07-26 07:10:48

Local clock offset: 0.218 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-26 10:59:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 62.057 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 18.29 Mbit/s

95th percentile per-packet one-way delay: 62.162 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 61.921 ms

Loss rate: 1.22%

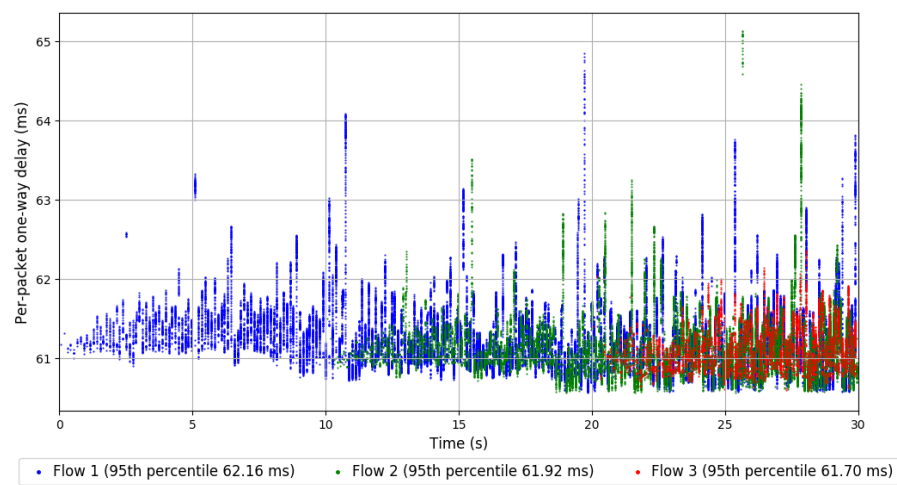
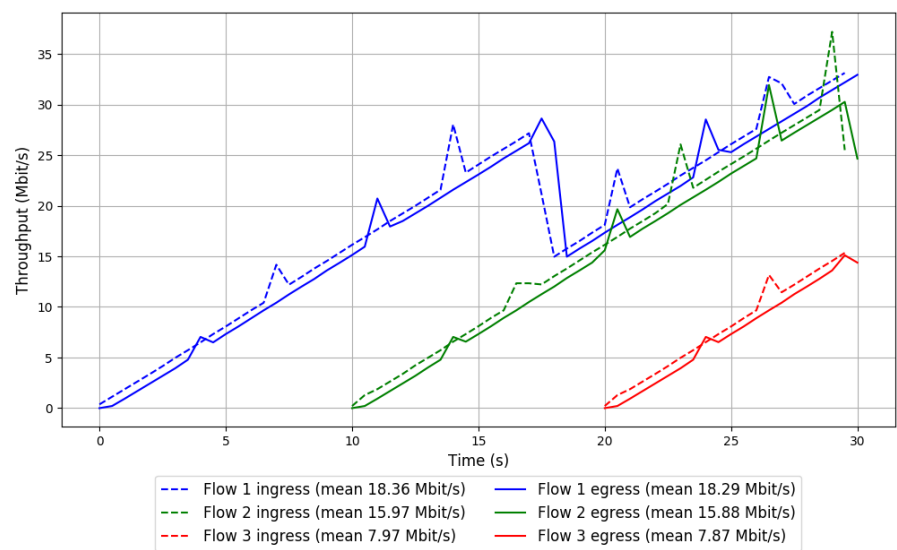
-- Flow 3:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 61.702 ms

Loss rate: 2.48%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-26 07:35:35

End at: 2018-07-26 07:36:05

Local clock offset: 0.272 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-26 10:59:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.84 Mbit/s

95th percentile per-packet one-way delay: 62.257 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 62.320 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 16.04 Mbit/s

95th percentile per-packet one-way delay: 62.123 ms

Loss rate: 1.22%

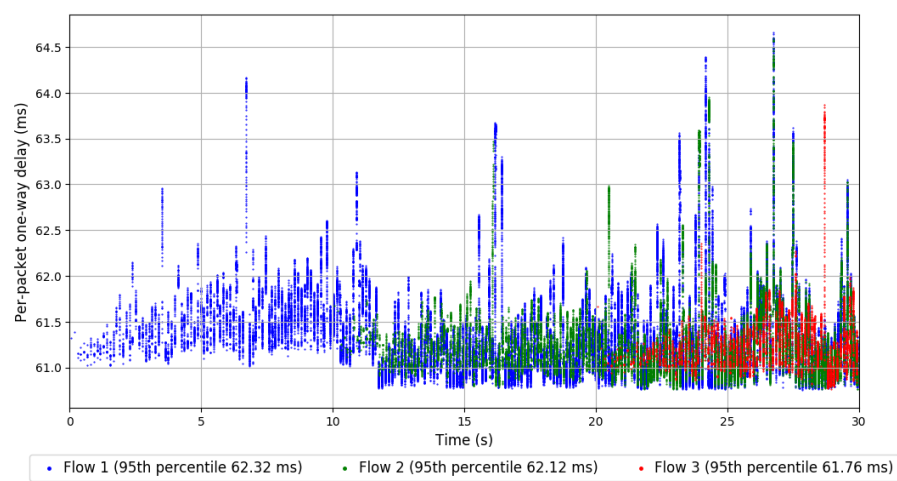
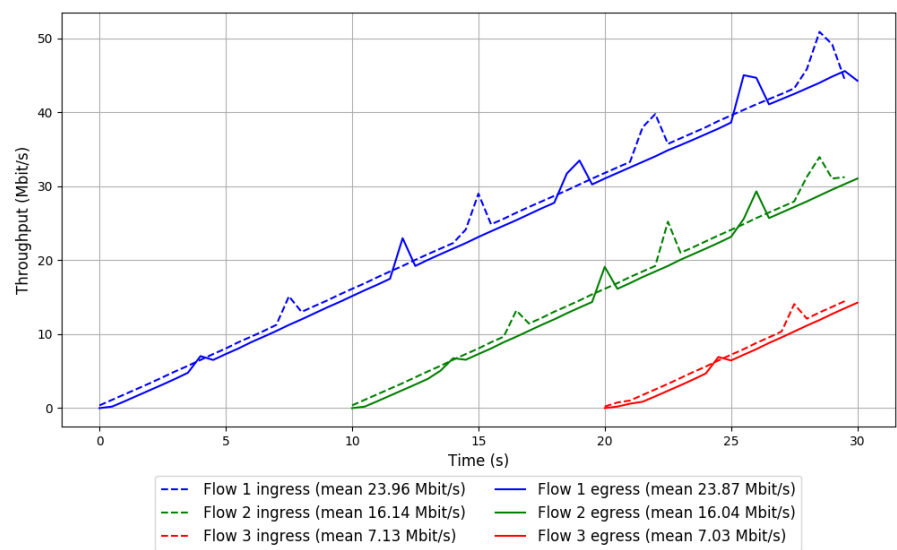
-- Flow 3:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 61.756 ms

Loss rate: 2.61%

Run 8: Report of LEDBAT — Data Link

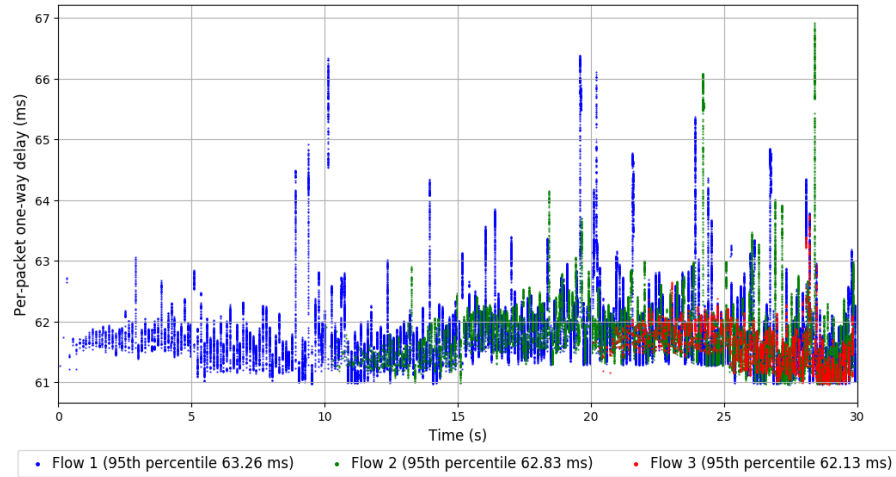
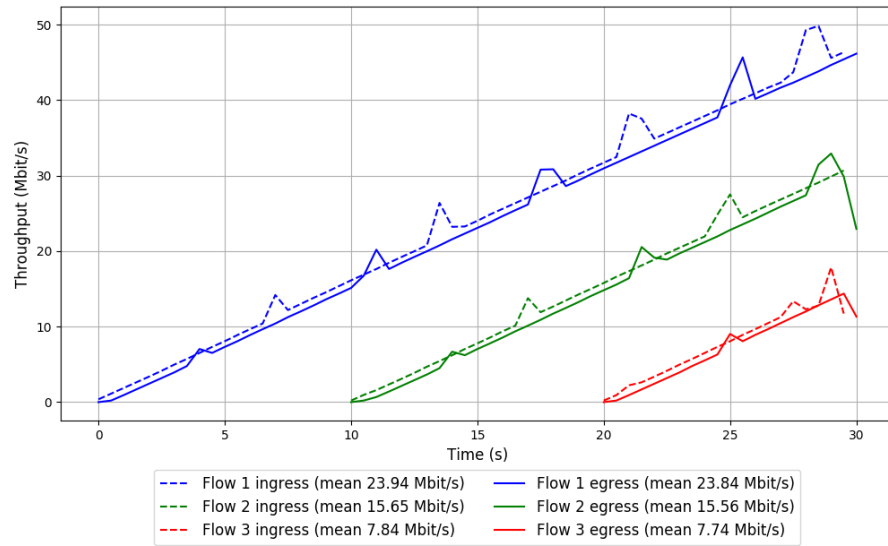


Run 9: Statistics of LEDBAT

Start at: 2018-07-26 08:00:42
End at: 2018-07-26 08:01:12
Local clock offset: 0.227 ms
Remote clock offset: -0.373 ms

Below is generated by plot.py at 2018-07-26 10:59:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 63.065 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 63.261 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 62.831 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 62.127 ms
Loss rate: 2.51%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-26 08:25:58

End at: 2018-07-26 08:26:28

Local clock offset: 0.282 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-26 10:59:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.51 Mbit/s

95th percentile per-packet one-way delay: 62.263 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 23.90 Mbit/s

95th percentile per-packet one-way delay: 62.306 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 15.11 Mbit/s

95th percentile per-packet one-way delay: 62.218 ms

Loss rate: 1.26%

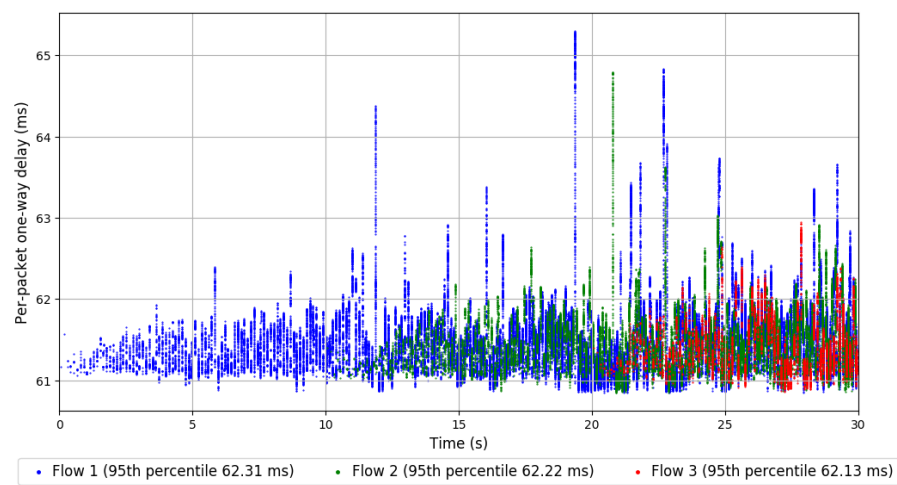
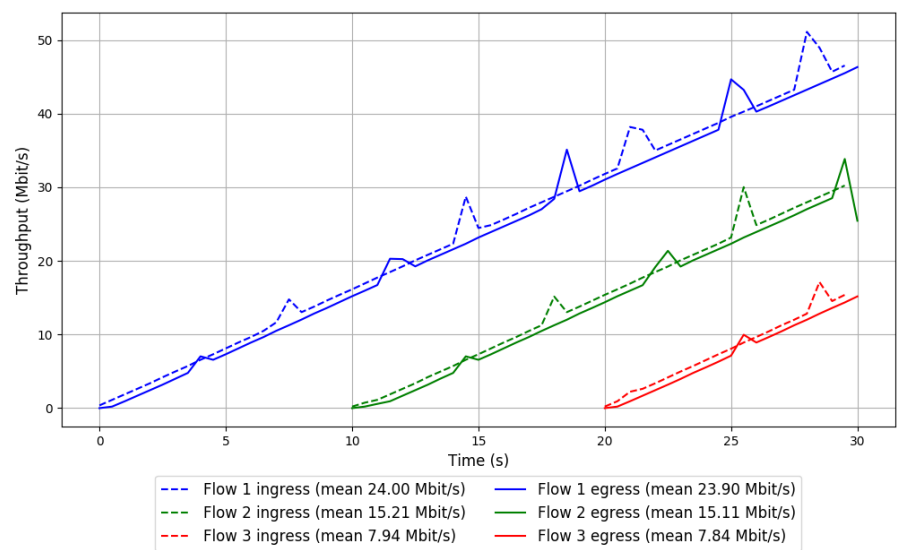
-- Flow 3:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 62.128 ms

Loss rate: 2.47%

Run 10: Report of LEDBAT — Data Link

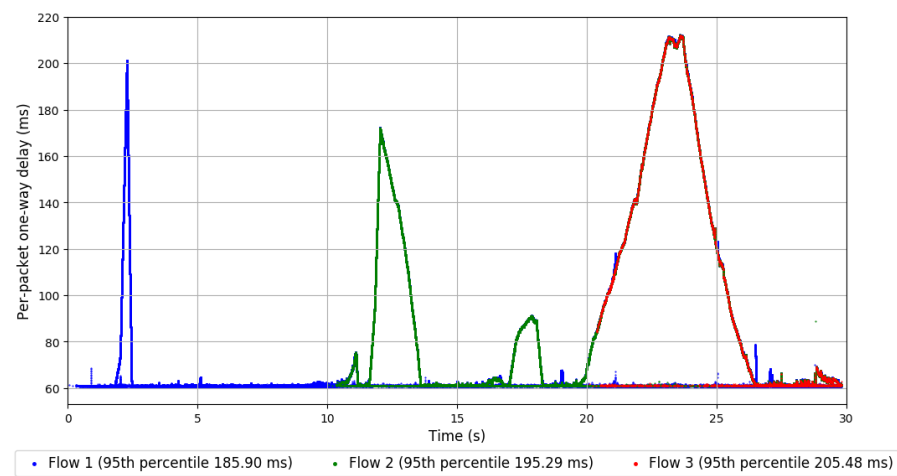
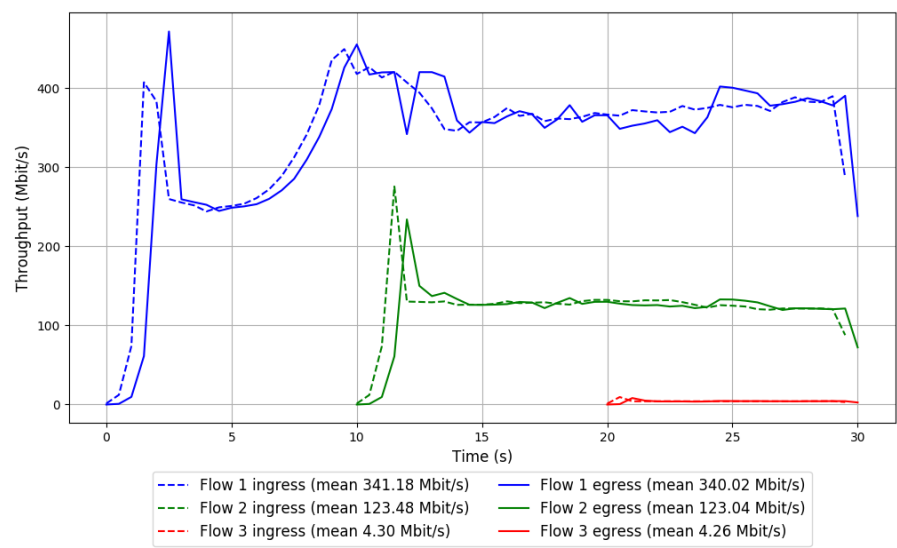


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-26 04:34:57
End at: 2018-07-26 04:35:27
Local clock offset: -0.072 ms
Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2018-07-26 11:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.98 Mbit/s
95th percentile per-packet one-way delay: 188.607 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 340.02 Mbit/s
95th percentile per-packet one-way delay: 185.897 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 123.04 Mbit/s
95th percentile per-packet one-way delay: 195.295 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 205.478 ms
Loss rate: 2.16%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-26 05:00:03

End at: 2018-07-26 05:00:33

Local clock offset: -0.033 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-26 11:01:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.39 Mbit/s

95th percentile per-packet one-way delay: 156.556 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 384.11 Mbit/s

95th percentile per-packet one-way delay: 156.473 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 157.188 ms

Loss rate: 1.45%

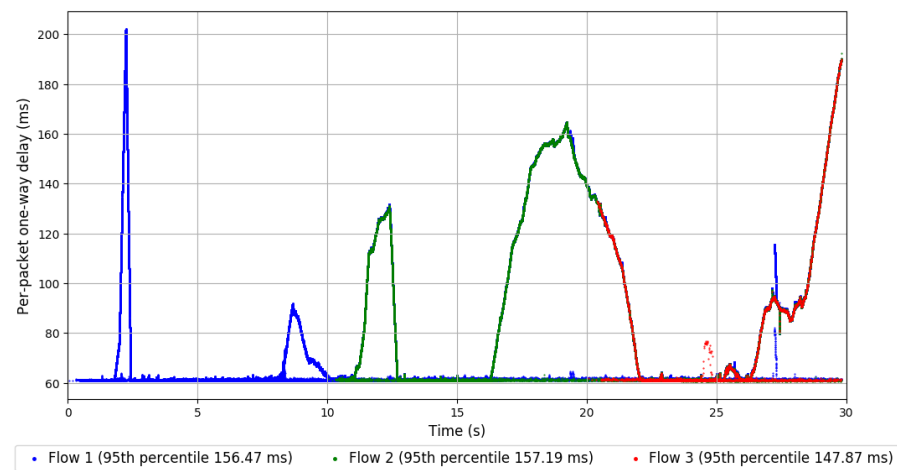
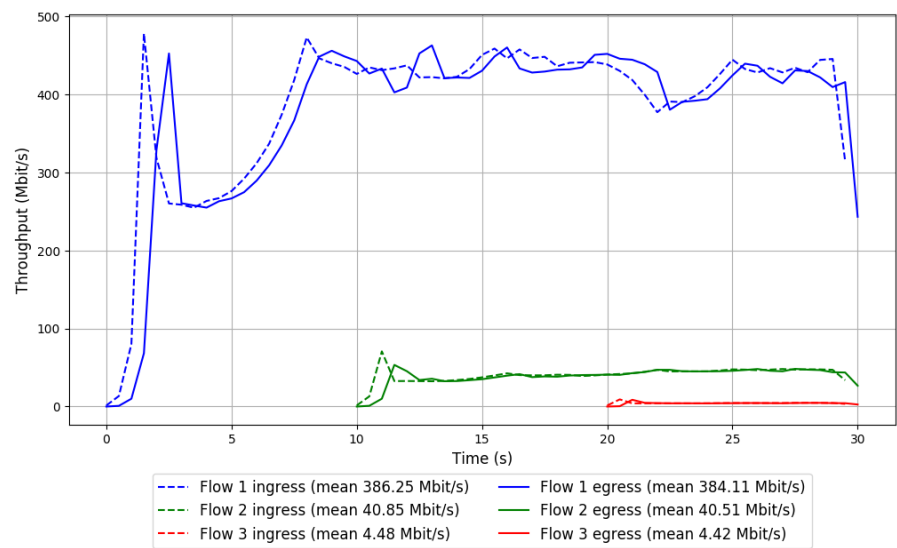
-- Flow 3:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 147.874 ms

Loss rate: 2.67%

Run 2: Report of PCC-Allegro — Data Link

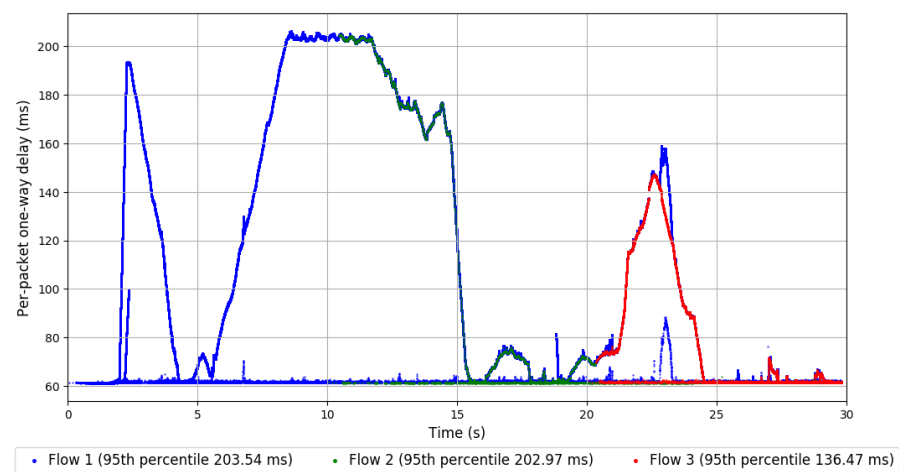
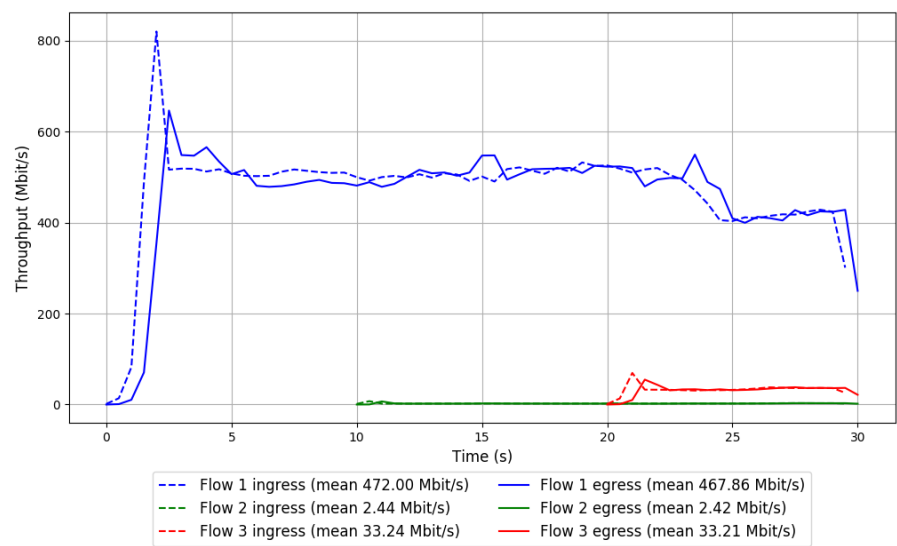


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-26 05:25:13
End at: 2018-07-26 05:25:43
Local clock offset: -0.063 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-26 11:03:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 480.31 Mbit/s
95th percentile per-packet one-way delay: 203.517 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 467.86 Mbit/s
95th percentile per-packet one-way delay: 203.540 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 202.973 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 136.471 ms
Loss rate: 1.32%

Run 3: Report of PCC-Allegro — Data Link

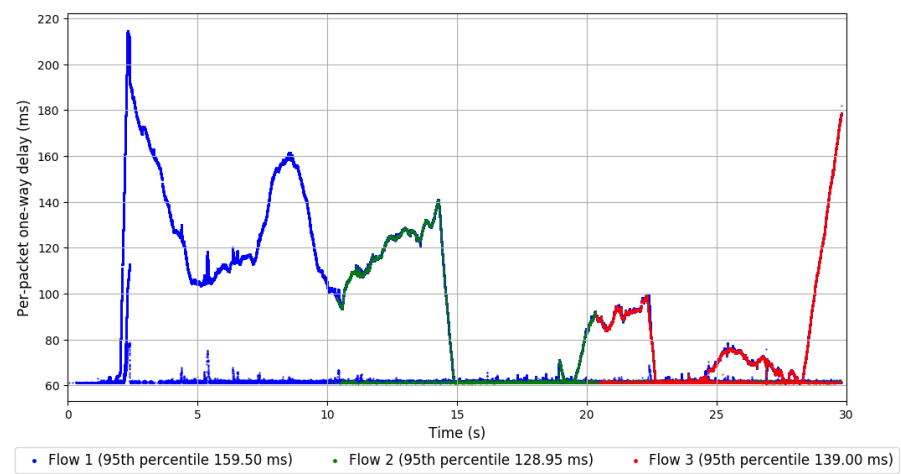
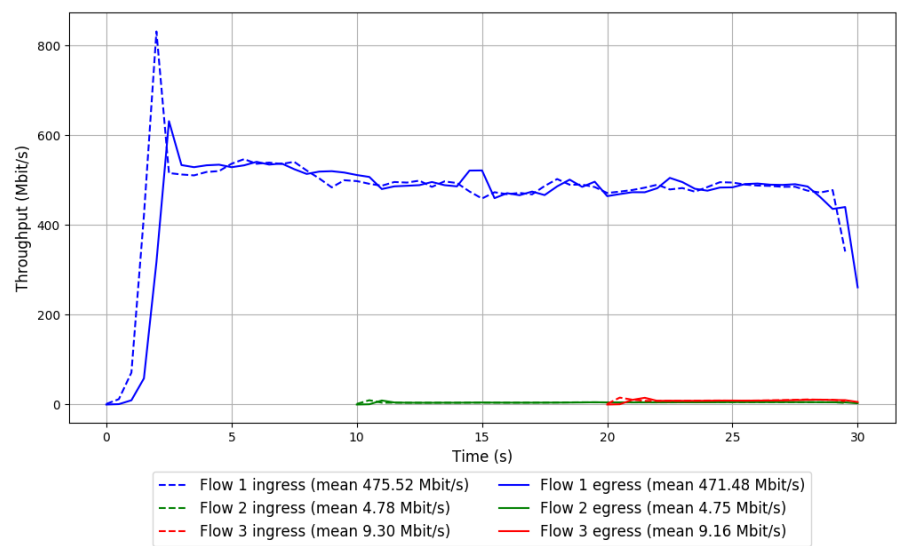


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-26 05:50:10
End at: 2018-07-26 05:50:40
Local clock offset: 0.061 ms
Remote clock offset: -0.131 ms

```
# Below is generated by plot.py at 2018-07-26 11:03:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 477.57 Mbit/s
95th percentile per-packet one-way delay: 159.422 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 471.48 Mbit/s
95th percentile per-packet one-way delay: 159.497 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 128.946 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 139.005 ms
Loss rate: 2.75%
```

Run 4: Report of PCC-Allegro — Data Link

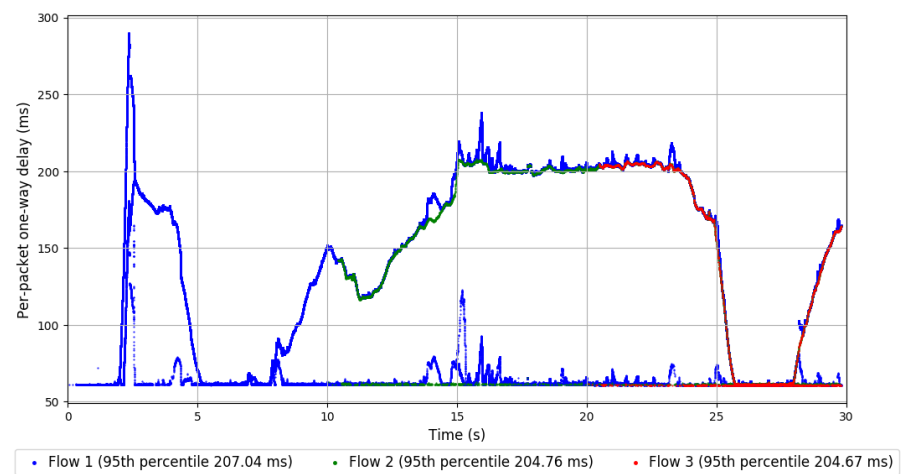
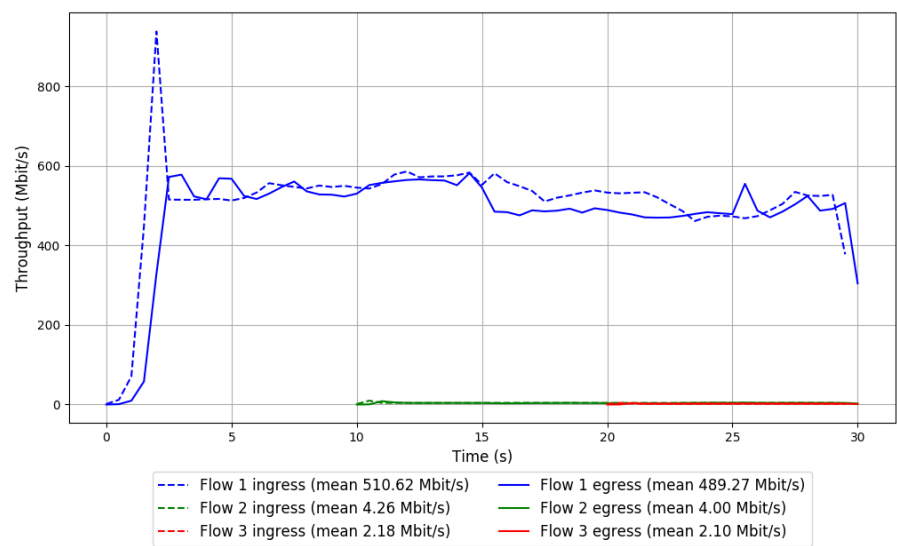


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-26 06:15:17
End at: 2018-07-26 06:15:47
Local clock offset: 0.099 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-26 11:05:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.61 Mbit/s
95th percentile per-packet one-way delay: 206.996 ms
Loss rate: 4.59%
-- Flow 1:
Average throughput: 489.27 Mbit/s
95th percentile per-packet one-way delay: 207.044 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 204.759 ms
Loss rate: 6.59%
-- Flow 3:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 204.672 ms
Loss rate: 4.98%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-26 06:40:30

End at: 2018-07-26 06:41:00

Local clock offset: 0.152 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2018-07-26 11:05:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 405.05 Mbit/s

95th percentile per-packet one-way delay: 209.662 ms

Loss rate: 1.87%

-- Flow 1:

Average throughput: 358.93 Mbit/s

95th percentile per-packet one-way delay: 209.552 ms

Loss rate: 1.81%

-- Flow 2:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 209.912 ms

Loss rate: 2.22%

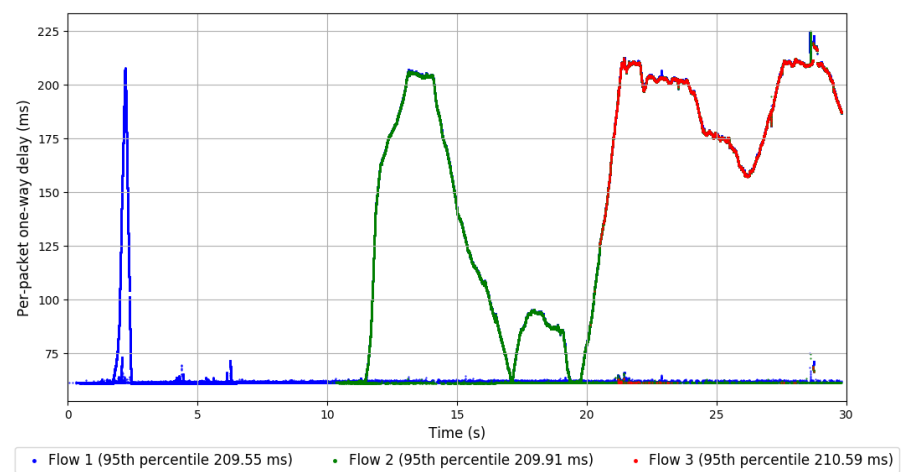
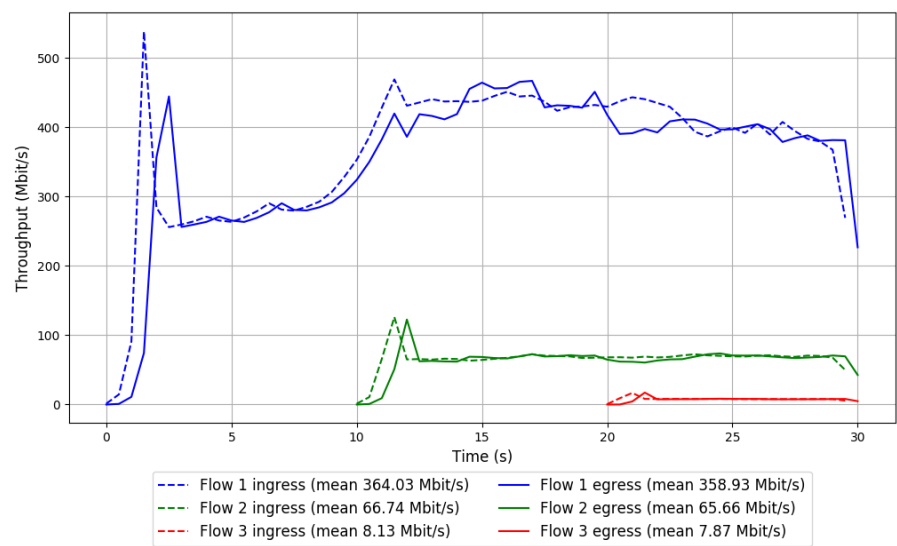
-- Flow 3:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 210.591 ms

Loss rate: 4.67%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-26 07:05:41

End at: 2018-07-26 07:06:11

Local clock offset: 0.227 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-26 11:05:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.23 Mbit/s

95th percentile per-packet one-way delay: 191.554 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 407.49 Mbit/s

95th percentile per-packet one-way delay: 191.656 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 4.98 Mbit/s

95th percentile per-packet one-way delay: 188.862 ms

Loss rate: 1.04%

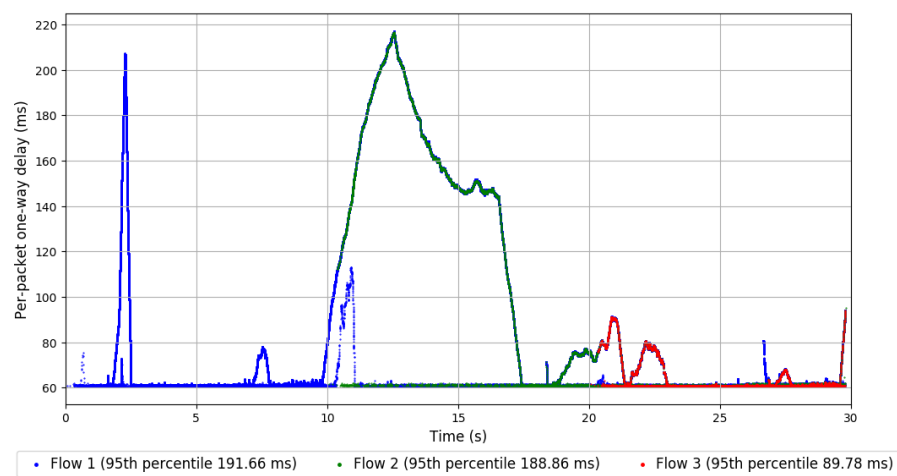
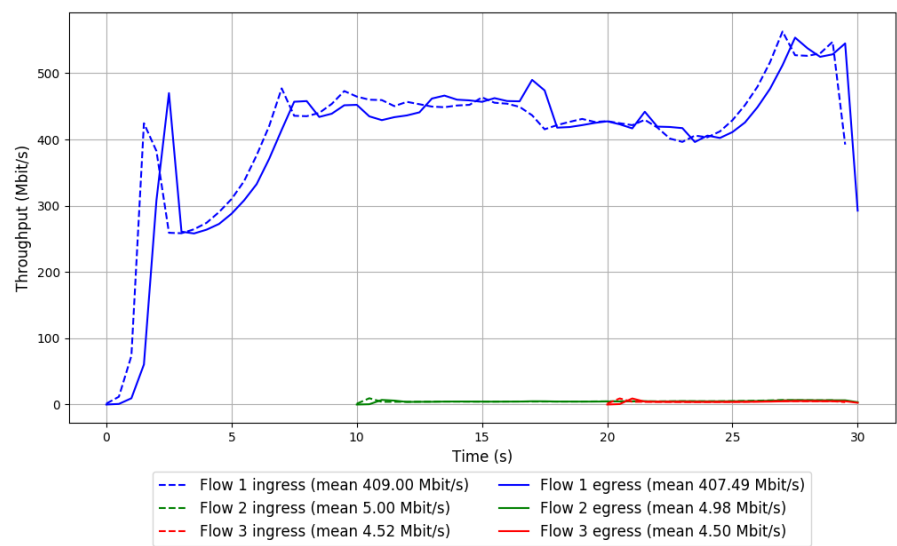
-- Flow 3:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 89.783 ms

Loss rate: 1.81%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-26 07:30:57

End at: 2018-07-26 07:31:27

Local clock offset: 0.248 ms

Remote clock offset: 1.417 ms

Below is generated by plot.py at 2018-07-26 11:09:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.33 Mbit/s

95th percentile per-packet one-way delay: 181.716 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 357.39 Mbit/s

95th percentile per-packet one-way delay: 181.767 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 125.75 Mbit/s

95th percentile per-packet one-way delay: 181.847 ms

Loss rate: 1.30%

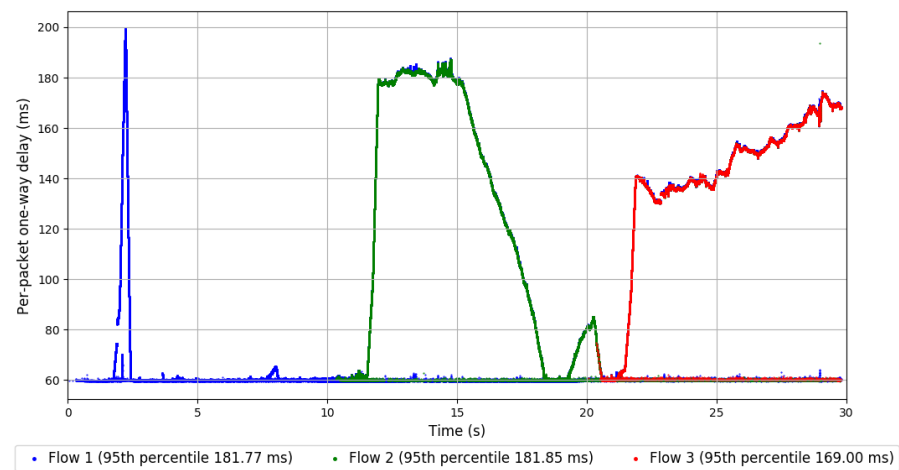
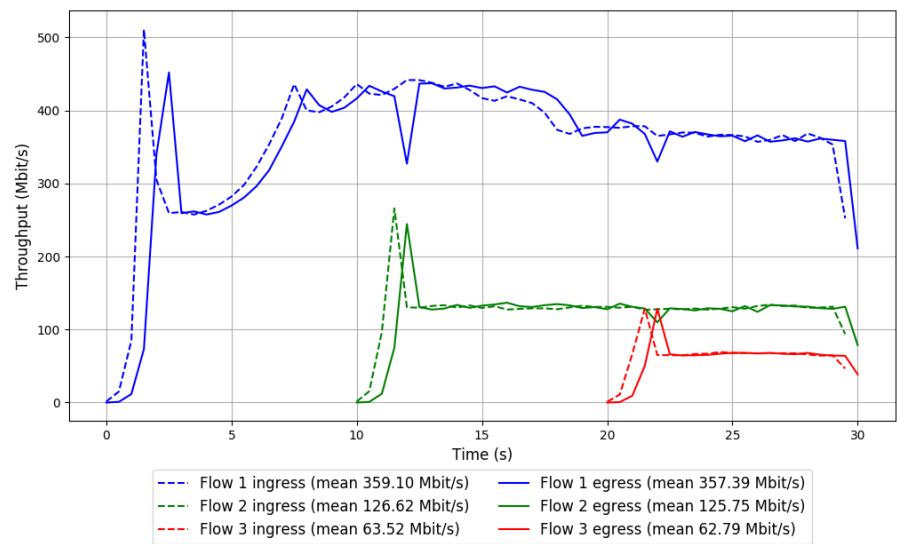
-- Flow 3:

Average throughput: 62.79 Mbit/s

95th percentile per-packet one-way delay: 168.995 ms

Loss rate: 2.39%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-26 07:56:02

End at: 2018-07-26 07:56:32

Local clock offset: 0.29 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-26 11:09:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 448.12 Mbit/s

95th percentile per-packet one-way delay: 205.738 ms

Loss rate: 2.55%

-- Flow 1:

Average throughput: 441.18 Mbit/s

95th percentile per-packet one-way delay: 205.766 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 154.799 ms

Loss rate: 1.25%

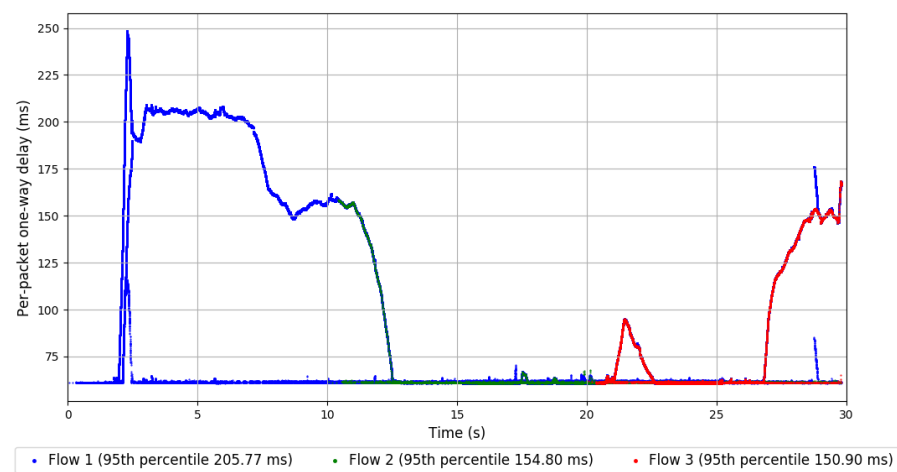
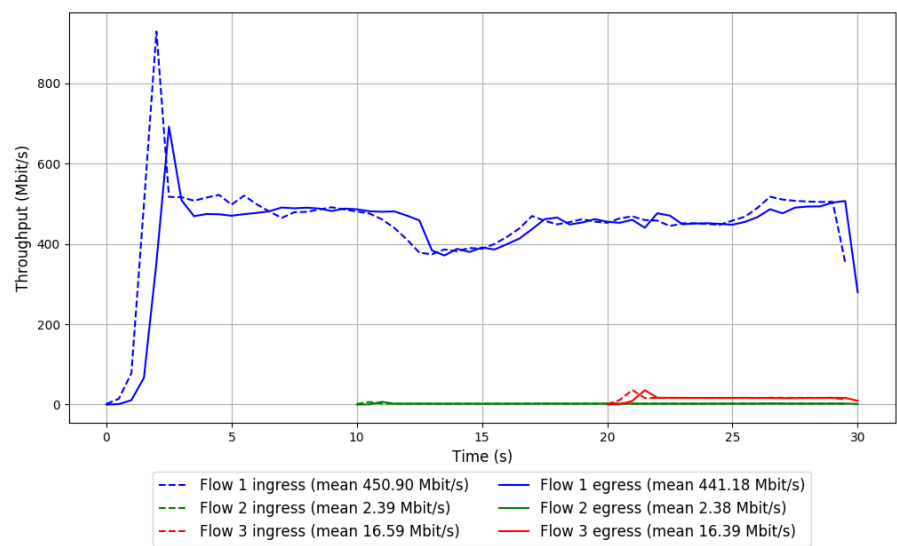
-- Flow 3:

Average throughput: 16.39 Mbit/s

95th percentile per-packet one-way delay: 150.897 ms

Loss rate: 2.42%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-26 08:21:18

End at: 2018-07-26 08:21:48

Local clock offset: 0.296 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-26 11:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.98 Mbit/s

95th percentile per-packet one-way delay: 183.616 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 448.62 Mbit/s

95th percentile per-packet one-way delay: 184.349 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 132.494 ms

Loss rate: 0.83%

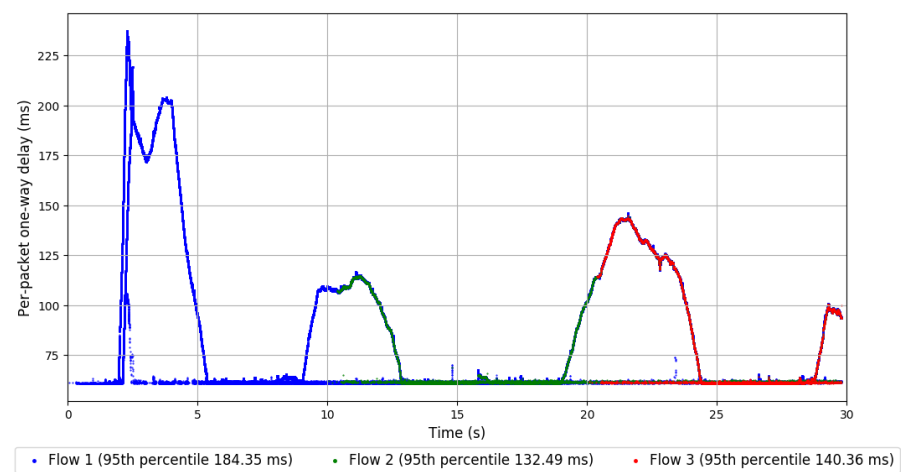
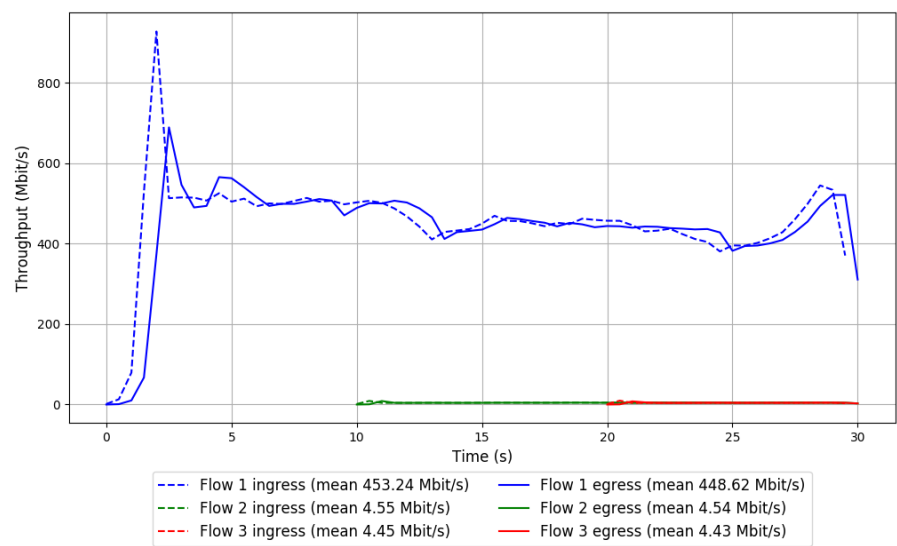
-- Flow 3:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 140.363 ms

Loss rate: 1.59%

Run 10: Report of PCC-Allegro — Data Link

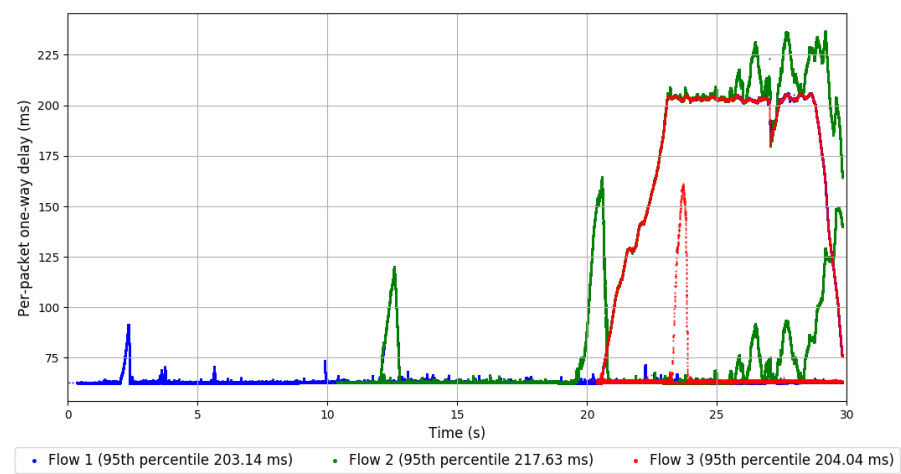
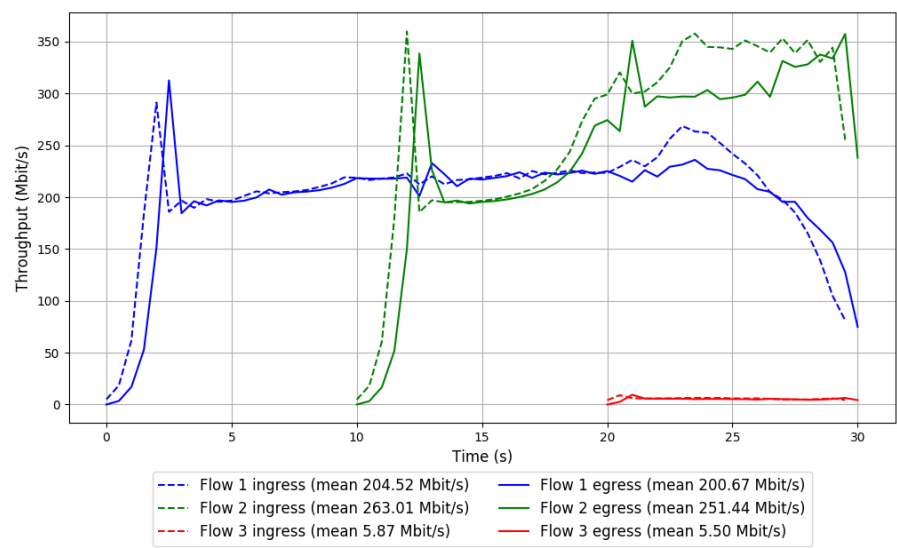


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-26 04:37:48
End at: 2018-07-26 04:38:18
Local clock offset: -0.092 ms
Remote clock offset: -1.472 ms

# Below is generated by plot.py at 2018-07-26 11:17:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.41 Mbit/s
95th percentile per-packet one-way delay: 205.358 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 200.67 Mbit/s
95th percentile per-packet one-way delay: 203.144 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 251.44 Mbit/s
95th percentile per-packet one-way delay: 217.627 ms
Loss rate: 4.99%
-- Flow 3:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 204.039 ms
Loss rate: 7.59%
```


Run 1: Report of PCC-Expr — Data Link

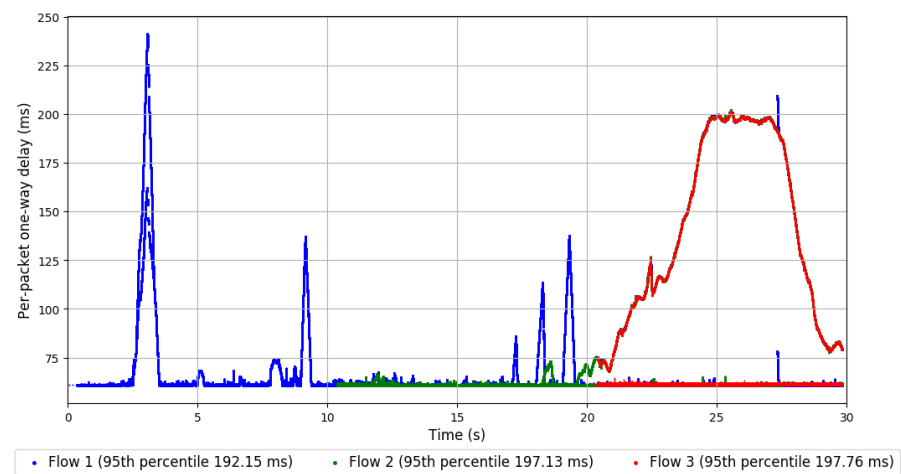
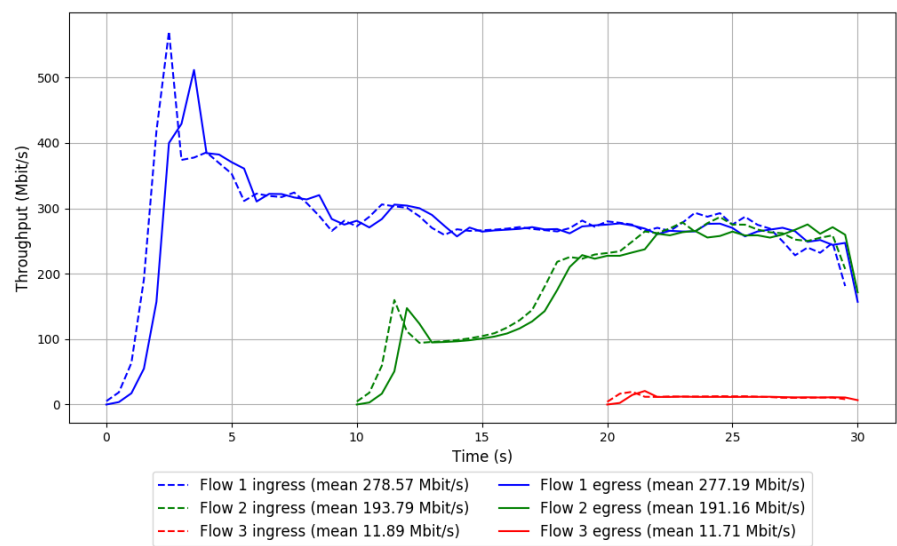


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-26 05:02:59
End at: 2018-07-26 05:03:29
Local clock offset: -0.059 ms
Remote clock offset: 0.196 ms

# Below is generated by plot.py at 2018-07-26 11:18:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 407.92 Mbit/s
95th percentile per-packet one-way delay: 196.521 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 277.19 Mbit/s
95th percentile per-packet one-way delay: 192.153 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 191.16 Mbit/s
95th percentile per-packet one-way delay: 197.126 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 197.765 ms
Loss rate: 2.75%
```

Run 2: Report of PCC-Expr — Data Link

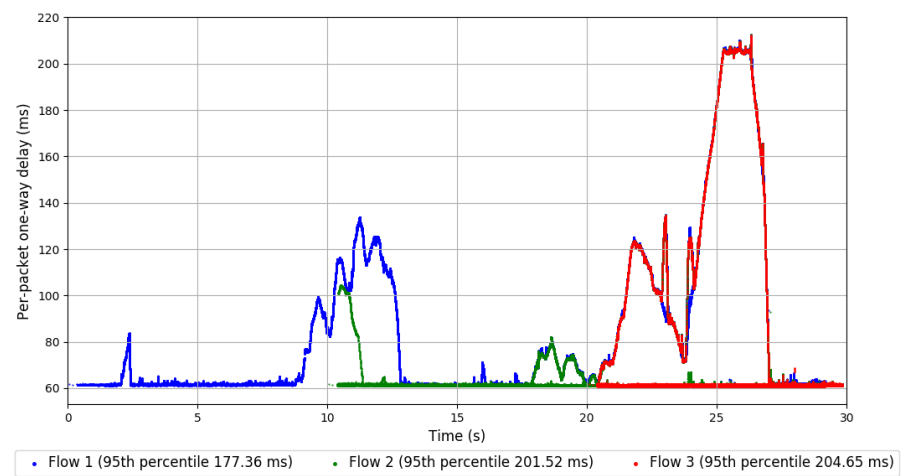
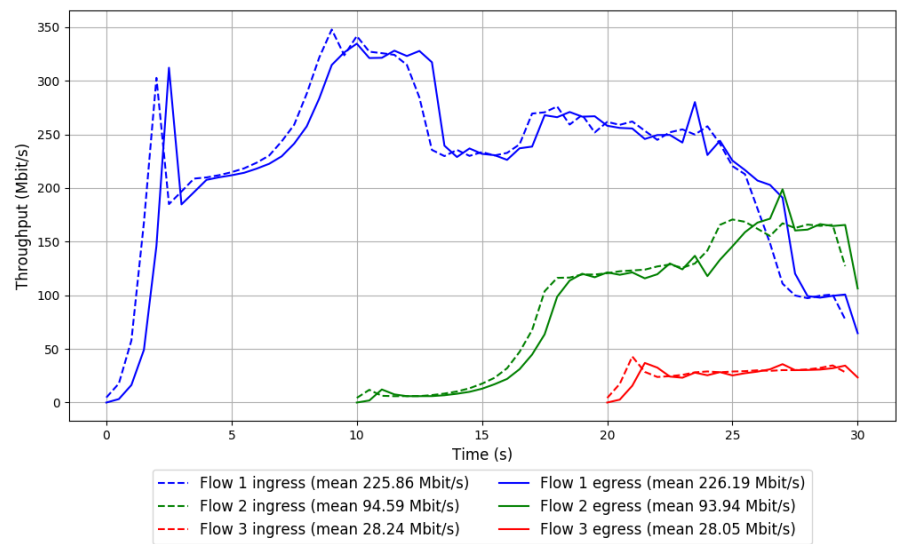


Run 3: Statistics of PCC-Expr

Start at: 2018-07-26 05:28:08
End at: 2018-07-26 05:28:38
Local clock offset: -0.052 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-26 11:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.69 Mbit/s
95th percentile per-packet one-way delay: 184.198 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 226.19 Mbit/s
95th percentile per-packet one-way delay: 177.361 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 201.522 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 204.648 ms
Loss rate: 1.93%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-26 05:53:06

End at: 2018-07-26 05:53:36

Local clock offset: 0.068 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-07-26 11:19:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.93 Mbit/s

95th percentile per-packet one-way delay: 248.909 ms

Loss rate: 5.65%

-- Flow 1:

Average throughput: 270.50 Mbit/s

95th percentile per-packet one-way delay: 267.499 ms

Loss rate: 6.71%

-- Flow 2:

Average throughput: 116.50 Mbit/s

95th percentile per-packet one-way delay: 193.384 ms

Loss rate: 2.42%

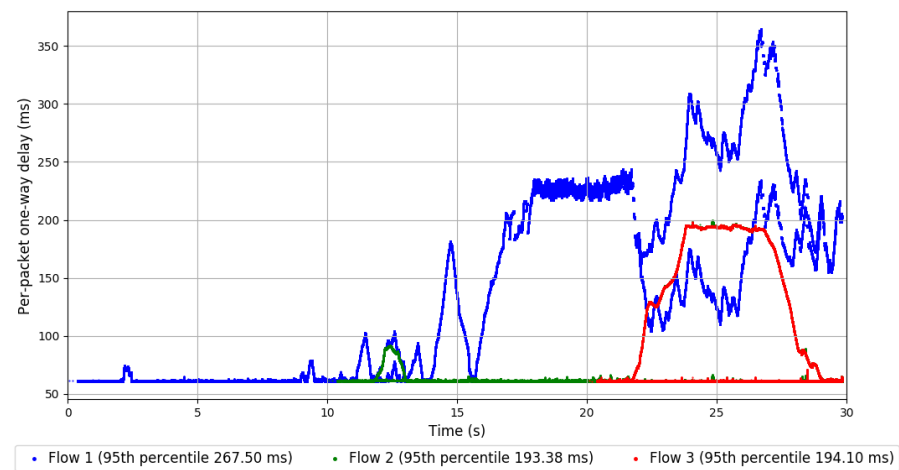
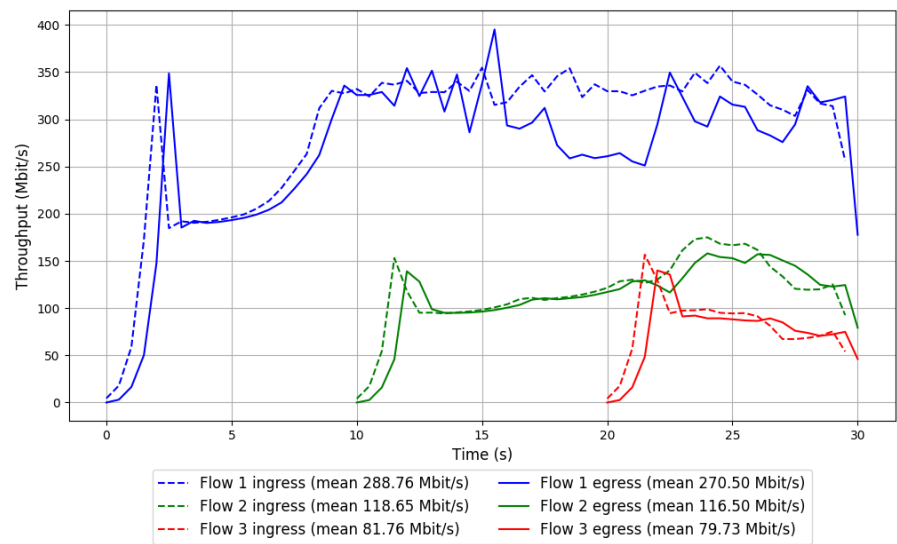
-- Flow 3:

Average throughput: 79.73 Mbit/s

95th percentile per-packet one-way delay: 194.102 ms

Loss rate: 3.69%

Run 4: Report of PCC-Expr — Data Link

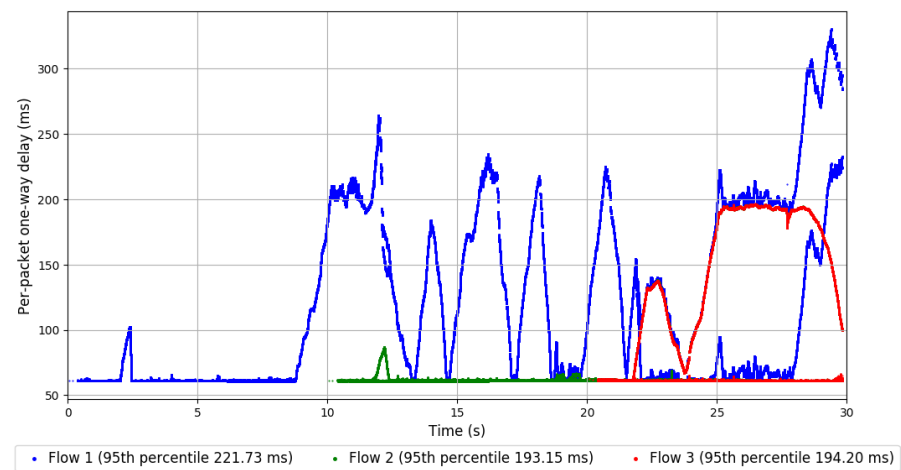
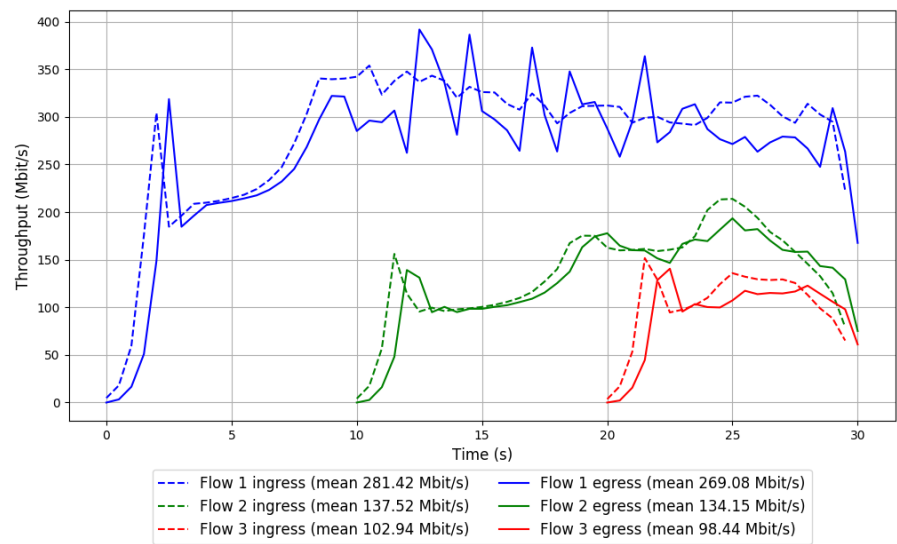


Run 5: Statistics of PCC-Expr

Start at: 2018-07-26 06:18:11
End at: 2018-07-26 06:18:41
Local clock offset: 0.091 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-26 11:21:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.30 Mbit/s
95th percentile per-packet one-way delay: 214.849 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 269.08 Mbit/s
95th percentile per-packet one-way delay: 221.731 ms
Loss rate: 4.77%
-- Flow 2:
Average throughput: 134.15 Mbit/s
95th percentile per-packet one-way delay: 193.148 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 98.44 Mbit/s
95th percentile per-packet one-way delay: 194.199 ms
Loss rate: 5.57%

Run 5: Report of PCC-Expr — Data Link

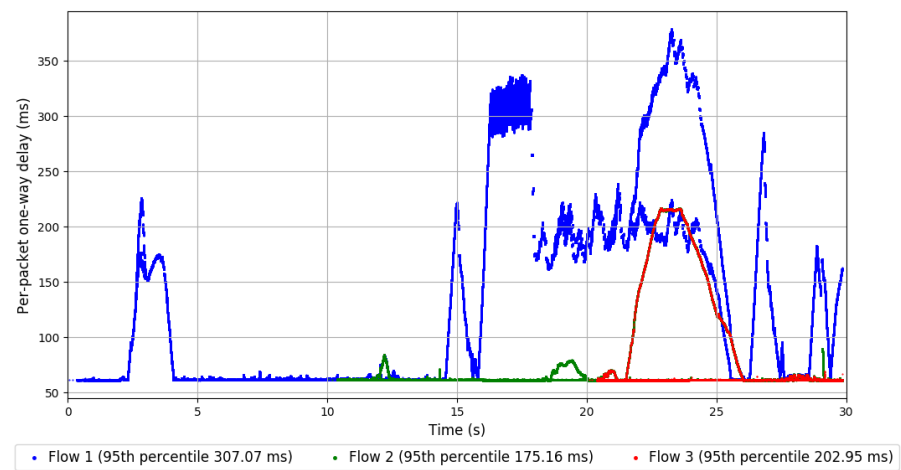
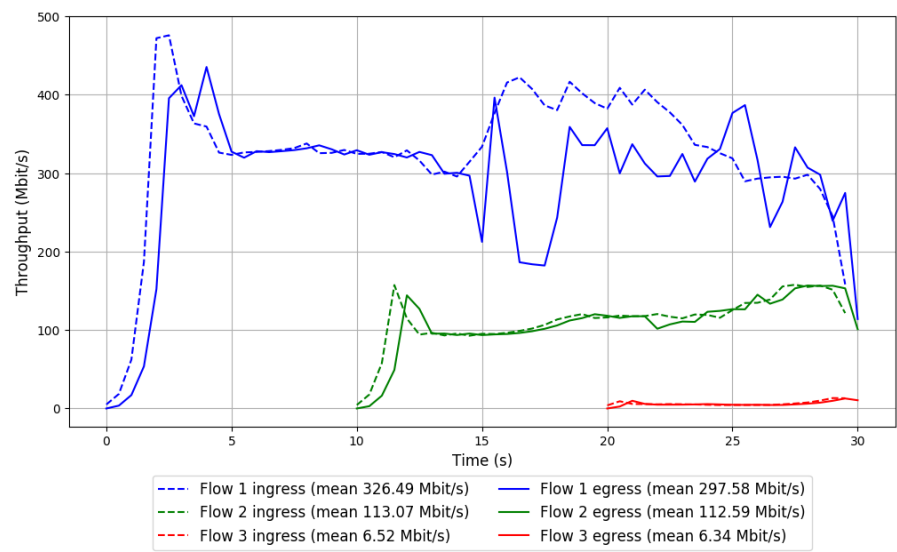


Run 6: Statistics of PCC-Expr

Start at: 2018-07-26 06:43:21
End at: 2018-07-26 06:43:51
Local clock offset: 0.15 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-26 11:25:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.32 Mbit/s
95th percentile per-packet one-way delay: 297.080 ms
Loss rate: 7.69%
-- Flow 1:
Average throughput: 297.58 Mbit/s
95th percentile per-packet one-way delay: 307.075 ms
Loss rate: 9.24%
-- Flow 2:
Average throughput: 112.59 Mbit/s
95th percentile per-packet one-way delay: 175.156 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 202.954 ms
Loss rate: 3.94%

Run 6: Report of PCC-Expr — Data Link

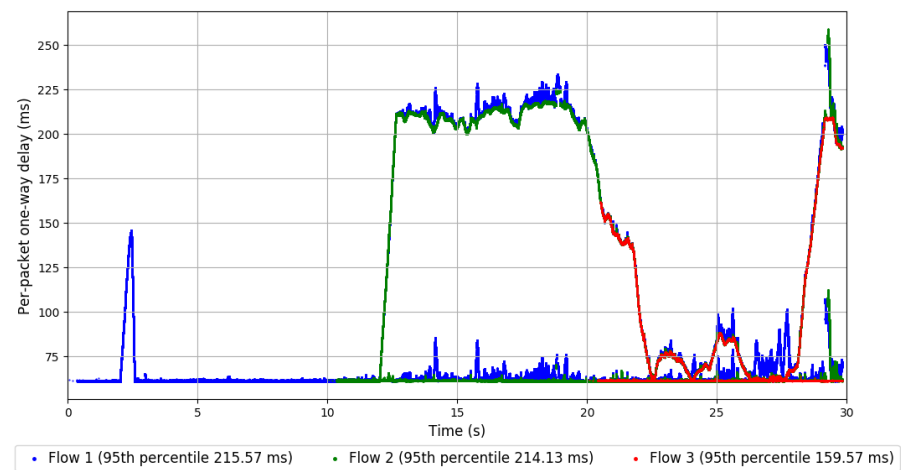
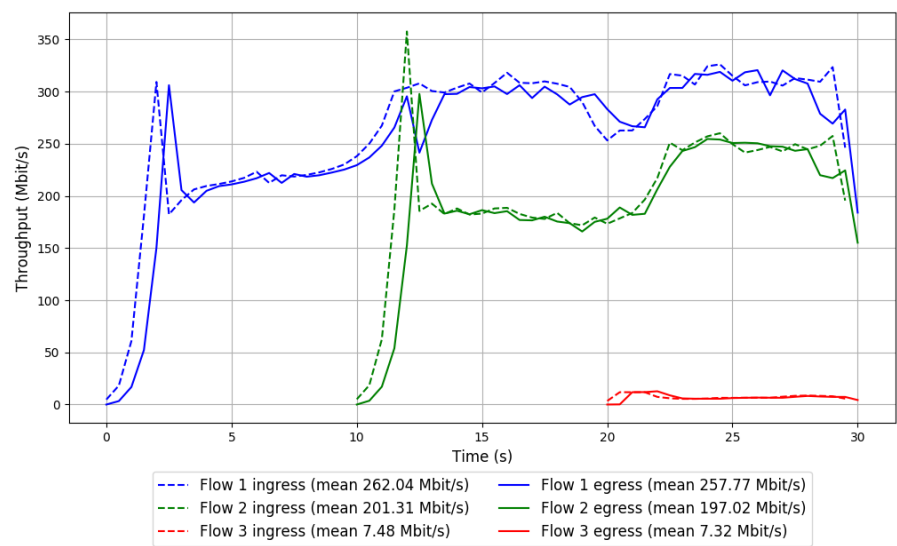


Run 7: Statistics of PCC-Expr

Start at: 2018-07-26 07:08:40
End at: 2018-07-26 07:09:10
Local clock offset: 0.185 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-26 11:26:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.94 Mbit/s
95th percentile per-packet one-way delay: 214.925 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 257.77 Mbit/s
95th percentile per-packet one-way delay: 215.573 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 197.02 Mbit/s
95th percentile per-packet one-way delay: 214.134 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 159.571 ms
Loss rate: 3.38%

Run 7: Report of PCC-Expr — Data Link

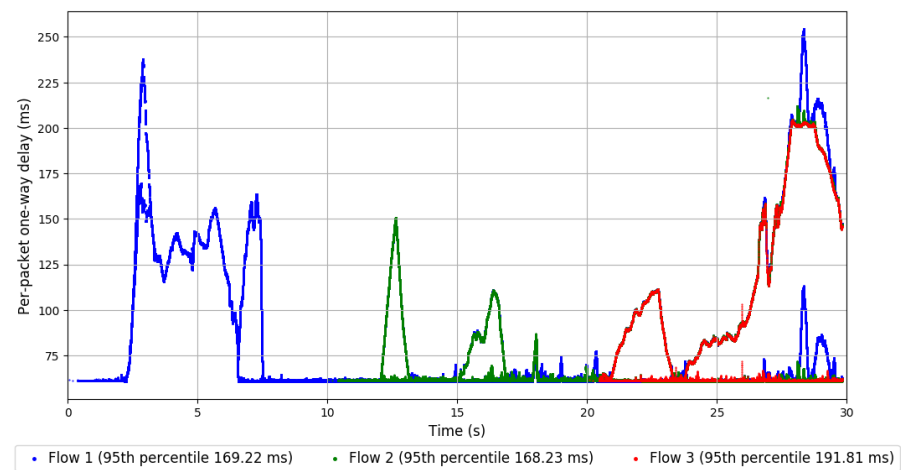
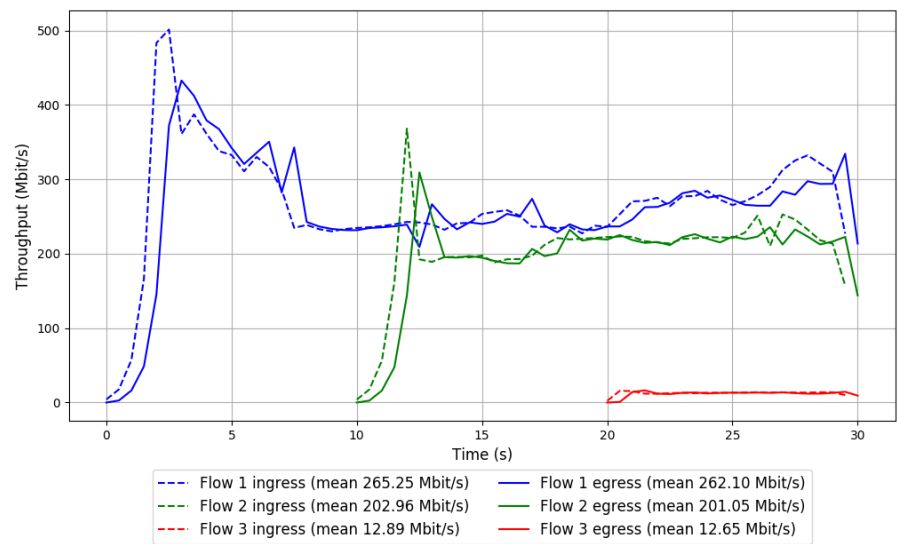


Run 8: Statistics of PCC-Expr

Start at: 2018-07-26 07:33:55
End at: 2018-07-26 07:34:25
Local clock offset: 0.242 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-26 11:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.69 Mbit/s
95th percentile per-packet one-way delay: 169.679 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 262.10 Mbit/s
95th percentile per-packet one-way delay: 169.220 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 201.05 Mbit/s
95th percentile per-packet one-way delay: 168.229 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 191.809 ms
Loss rate: 3.11%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-26 07:58:59

End at: 2018-07-26 07:59:29

Local clock offset: 0.214 ms

Remote clock offset: 1.004 ms

Below is generated by plot.py at 2018-07-26 11:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.61 Mbit/s

95th percentile per-packet one-way delay: 209.662 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 264.00 Mbit/s

95th percentile per-packet one-way delay: 218.494 ms

Loss rate: 2.78%

-- Flow 2:

Average throughput: 129.56 Mbit/s

95th percentile per-packet one-way delay: 64.823 ms

Loss rate: 0.96%

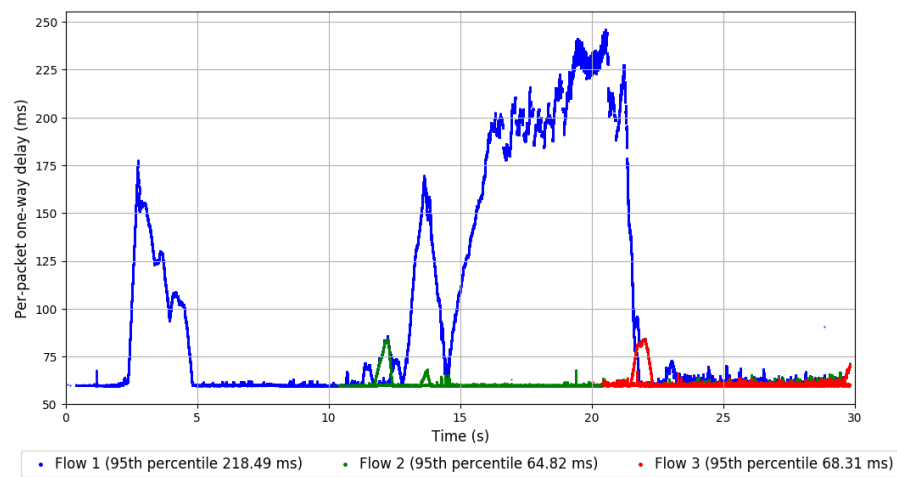
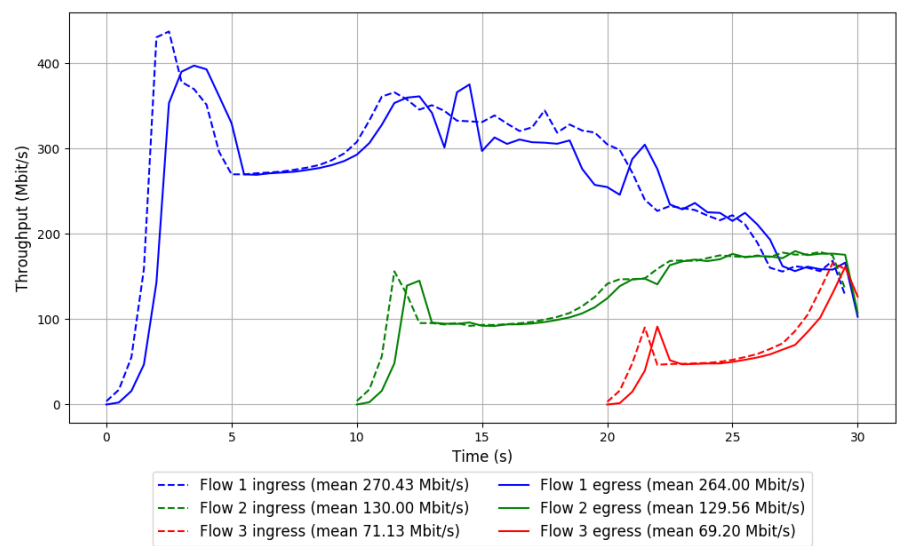
-- Flow 3:

Average throughput: 69.20 Mbit/s

95th percentile per-packet one-way delay: 68.309 ms

Loss rate: 3.94%

Run 9: Report of PCC-Expr — Data Link

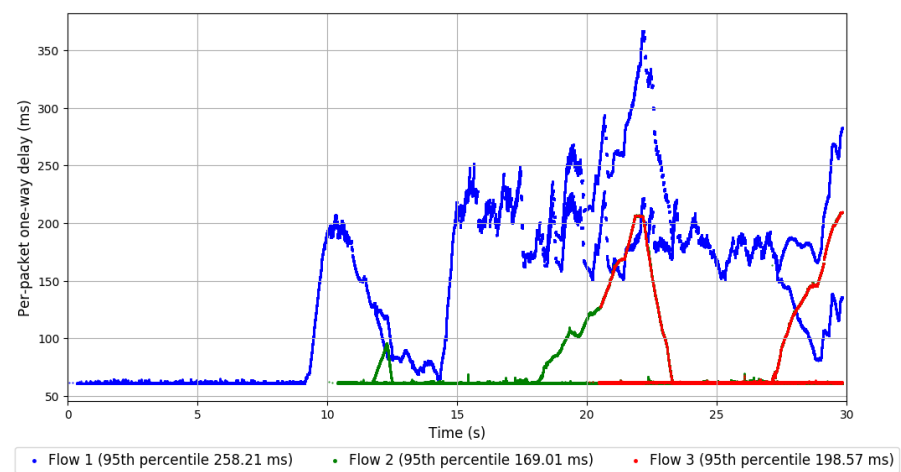
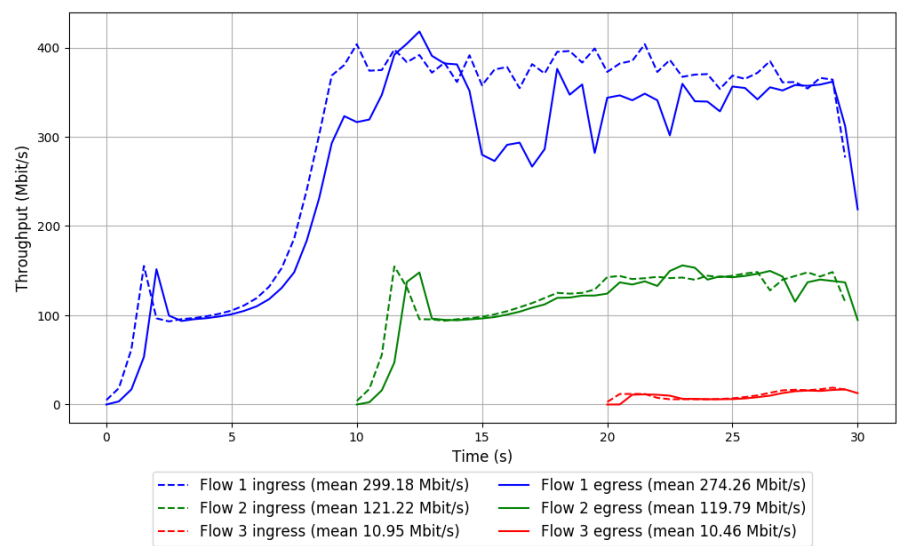


Run 10: Statistics of PCC-Expr

Start at: 2018-07-26 08:24:17
End at: 2018-07-26 08:24:47
Local clock offset: 0.29 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-26 11:32:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.19 Mbit/s
95th percentile per-packet one-way delay: 244.694 ms
Loss rate: 7.22%
-- Flow 1:
Average throughput: 274.26 Mbit/s
95th percentile per-packet one-way delay: 258.211 ms
Loss rate: 8.71%
-- Flow 2:
Average throughput: 119.79 Mbit/s
95th percentile per-packet one-way delay: 169.012 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 198.566 ms
Loss rate: 5.63%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-26 04:56:49

End at: 2018-07-26 04:57:19

Local clock offset: -0.026 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-26 11:32:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 61.062 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 61.020 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 36.76 Mbit/s

95th percentile per-packet one-way delay: 61.104 ms

Loss rate: 0.95%

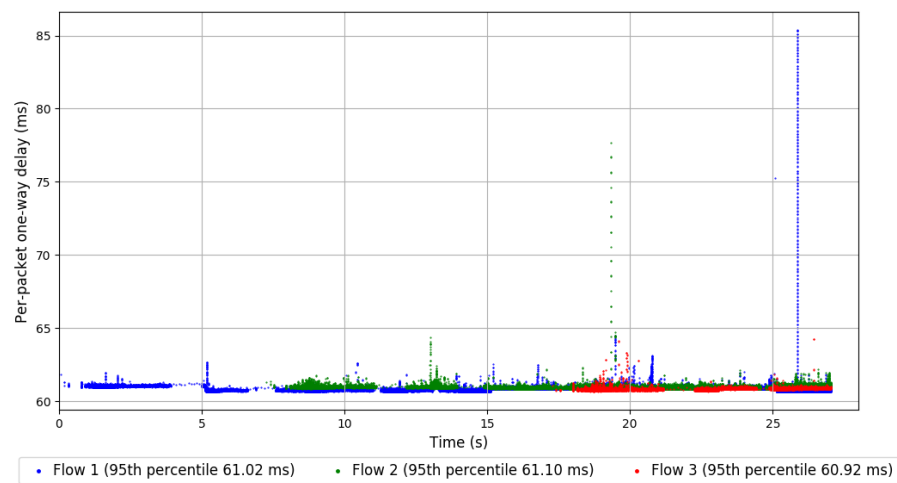
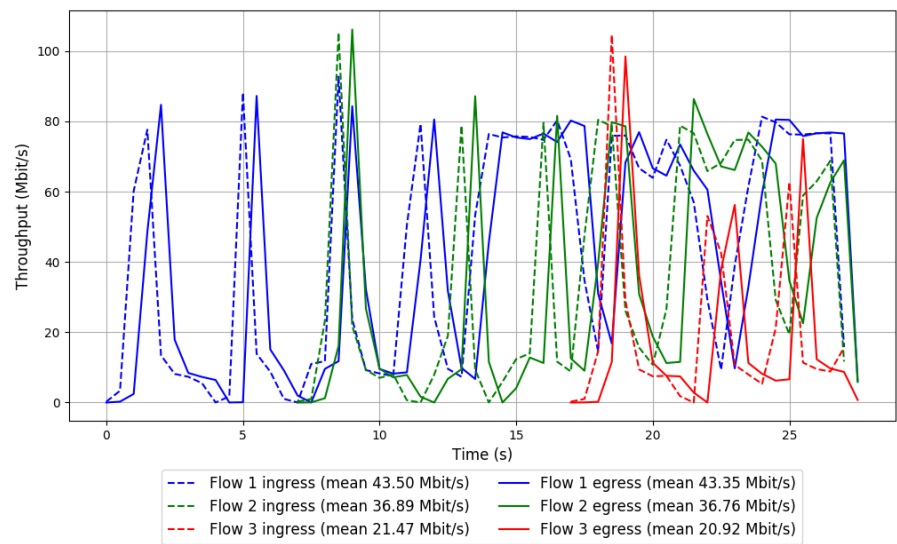
-- Flow 3:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 60.918 ms

Loss rate: 3.80%

Run 1: Report of QUIC Cubic — Data Link

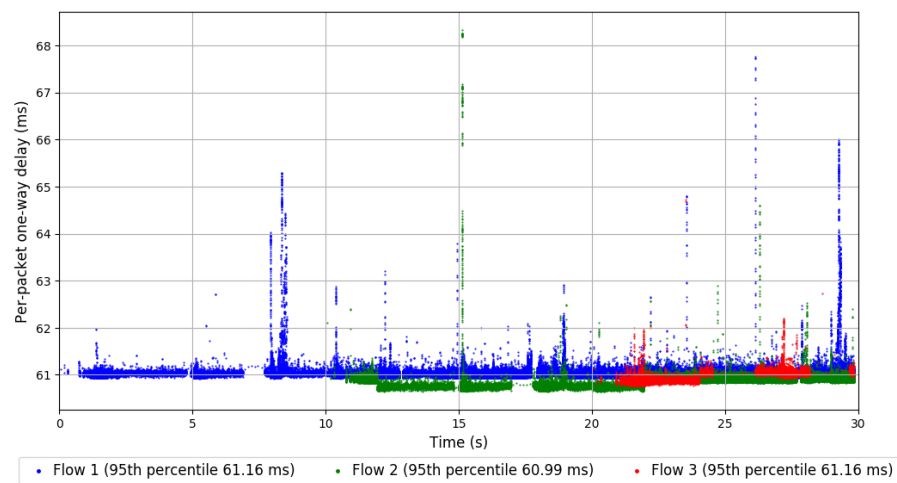
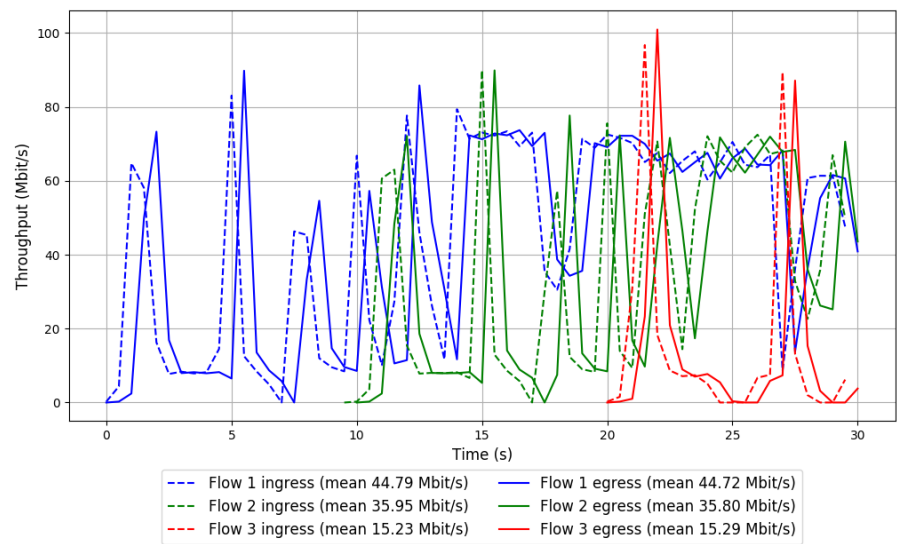


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-26 05:22:03
End at: 2018-07-26 05:22:33
Local clock offset: -0.051 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-26 11:32:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.51 Mbit/s
95th percentile per-packet one-way delay: 61.134 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 61.164 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 60.994 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 61.160 ms
Loss rate: 0.80%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-26 05:47:04

End at: 2018-07-26 05:47:34

Local clock offset: 0.072 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-26 11:32:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 61.279 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 61.218 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 29.94 Mbit/s

95th percentile per-packet one-way delay: 61.313 ms

Loss rate: 1.30%

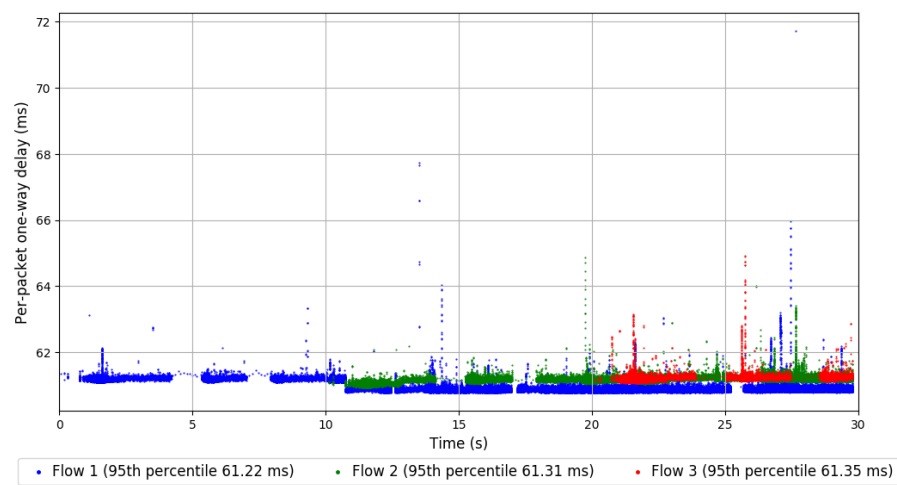
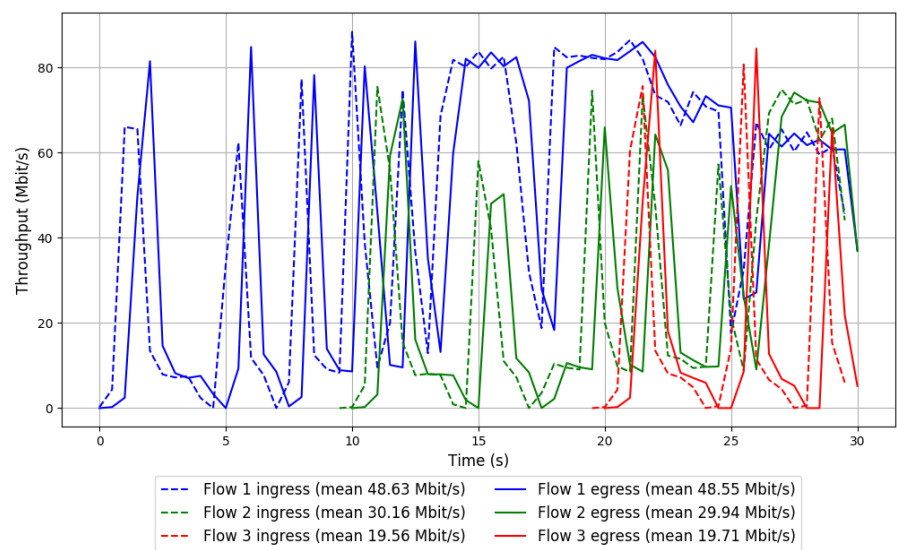
-- Flow 3:

Average throughput: 19.71 Mbit/s

95th percentile per-packet one-way delay: 61.349 ms

Loss rate: 0.51%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-26 06:12:10

End at: 2018-07-26 06:12:40

Local clock offset: 0.063 ms

Remote clock offset: 1.172 ms

Below is generated by plot.py at 2018-07-26 11:32:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.40 Mbit/s

95th percentile per-packet one-way delay: 60.214 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 40.32 Mbit/s

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

Loss rate: 0.63%

-- Flow 2:

Average throughput: 36.56 Mbit/s

95th percentile per-packet one-way delay: 59.641 ms

Loss rate: 1.26%

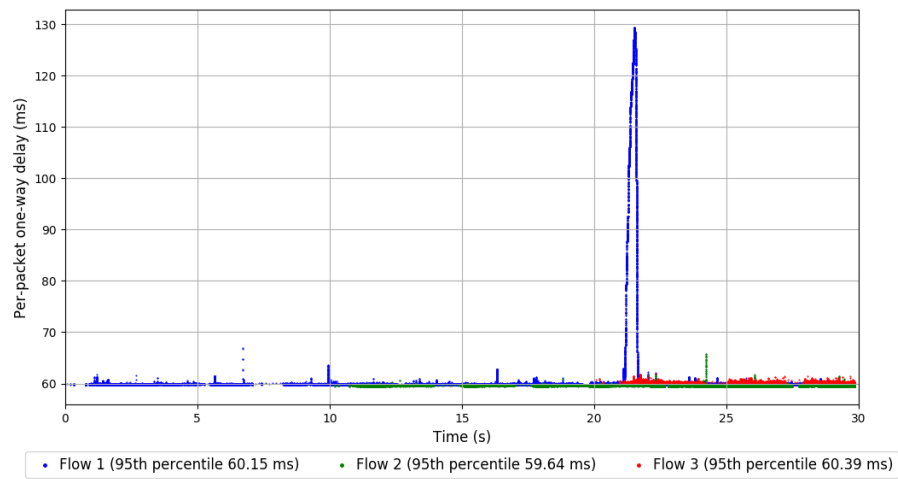
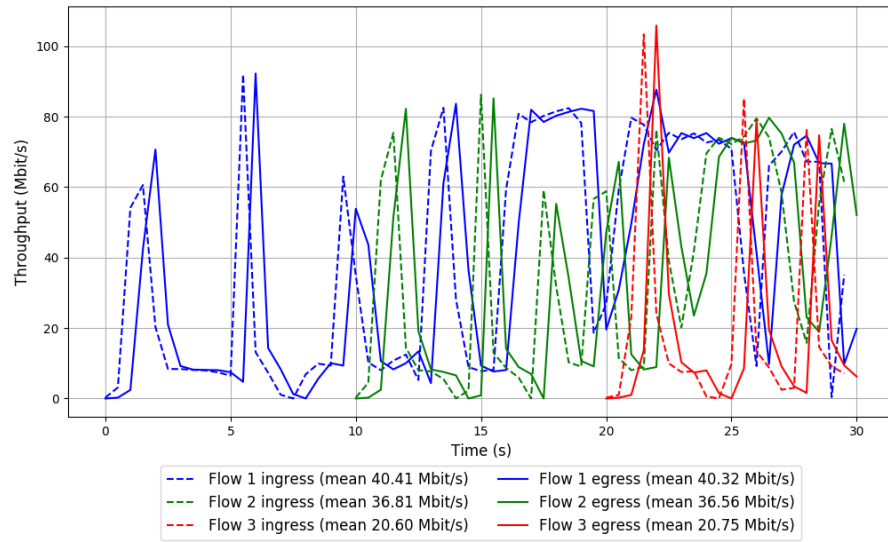
-- Flow 3:

Average throughput: 20.75 Mbit/s

95th percentile per-packet one-way delay: 60.391 ms

Loss rate: 0.49%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-26 06:37:15

End at: 2018-07-26 06:37:45

Local clock offset: 0.155 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-07-26 11:32:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.74 Mbit/s

95th percentile per-packet one-way delay: 61.136 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 52.26 Mbit/s

95th percentile per-packet one-way delay: 60.949 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 29.82 Mbit/s

95th percentile per-packet one-way delay: 60.919 ms

Loss rate: 1.11%

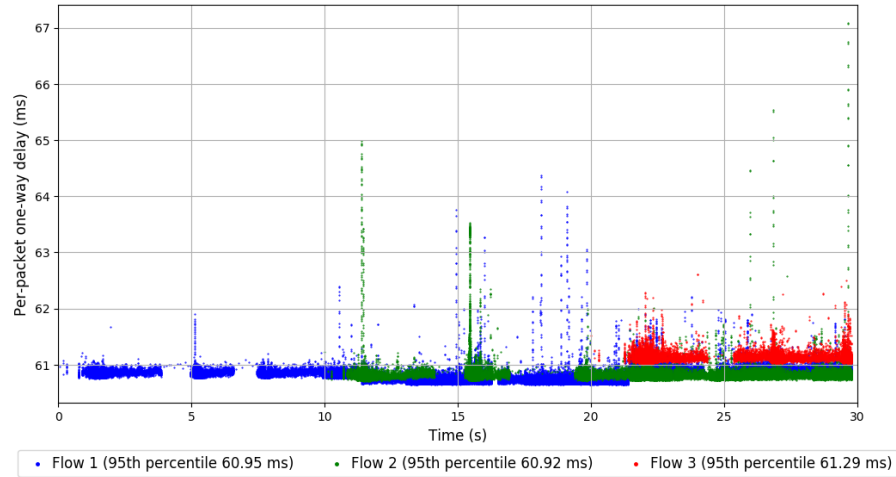
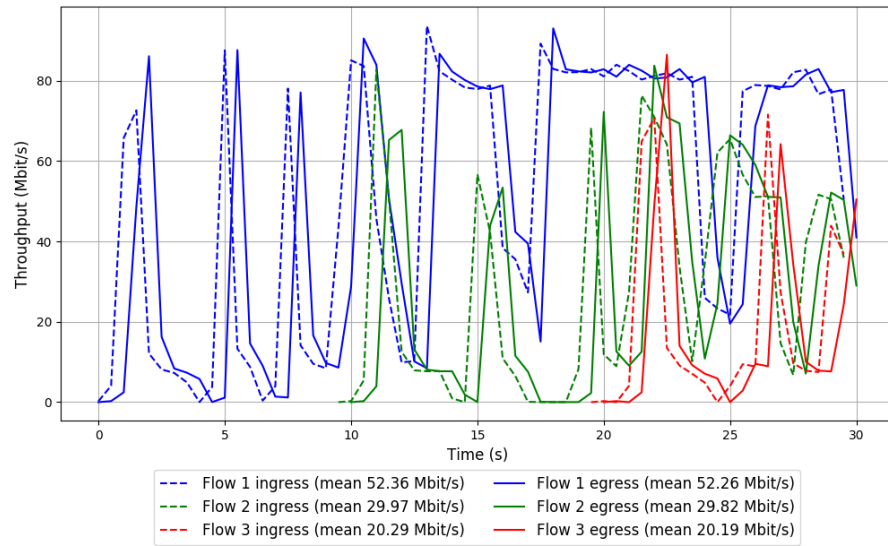
-- Flow 3:

Average throughput: 20.19 Mbit/s

95th percentile per-packet one-way delay: 61.291 ms

Loss rate: 1.73%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-26 07:02:30

End at: 2018-07-26 07:03:00

Local clock offset: 0.185 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-07-26 11:32:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 61.134 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 45.54 Mbit/s

95th percentile per-packet one-way delay: 60.953 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 35.41 Mbit/s

95th percentile per-packet one-way delay: 61.223 ms

Loss rate: 1.02%

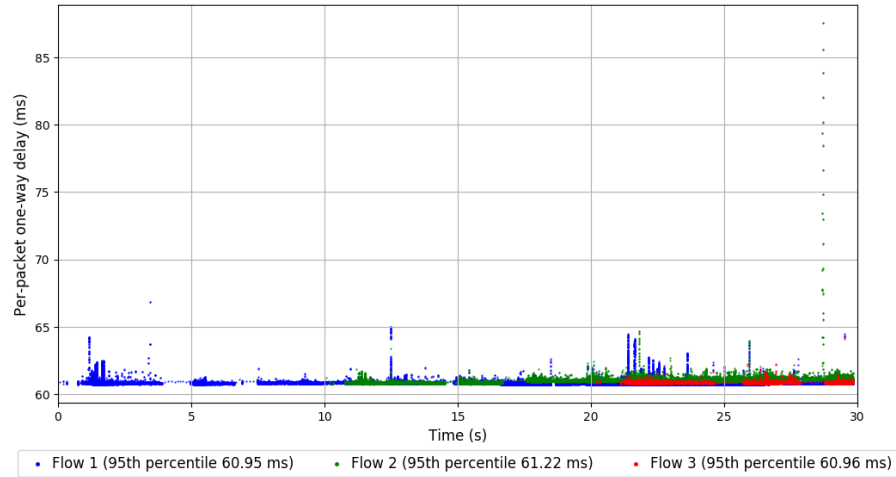
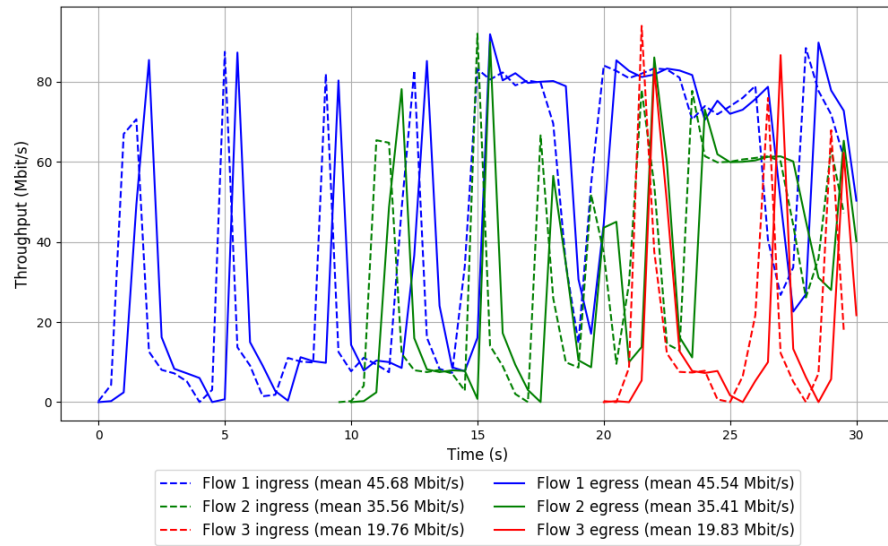
-- Flow 3:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 60.962 ms

Loss rate: 0.85%

Run 6: Report of QUIC Cubic — Data Link

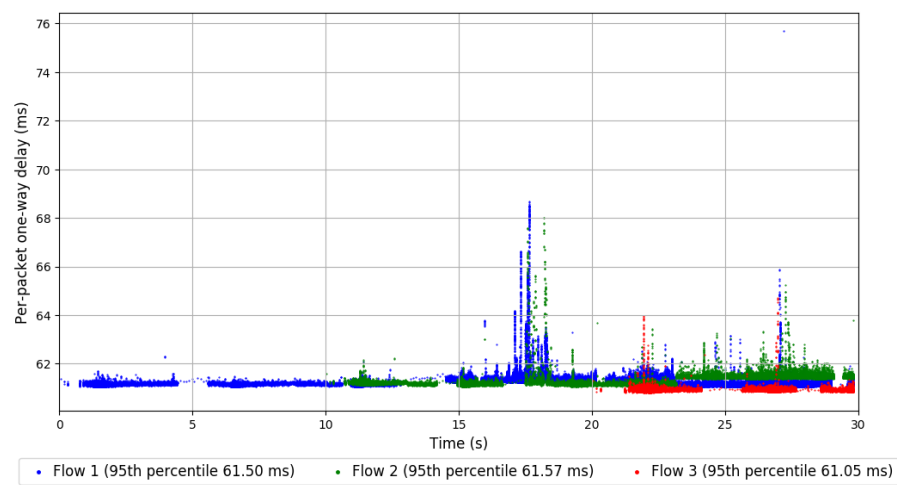
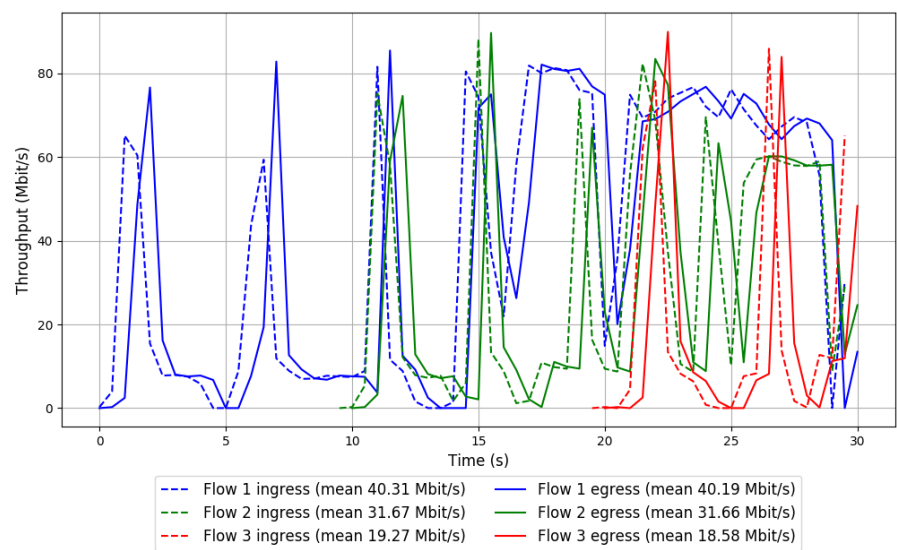


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-26 07:27:44
End at: 2018-07-26 07:28:14
Local clock offset: 0.227 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-26 11:32:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.33 Mbit/s
95th percentile per-packet one-way delay: 61.535 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 61.504 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 61.050 ms
Loss rate: 4.79%

Run 7: Report of QUIC Cubic — Data Link

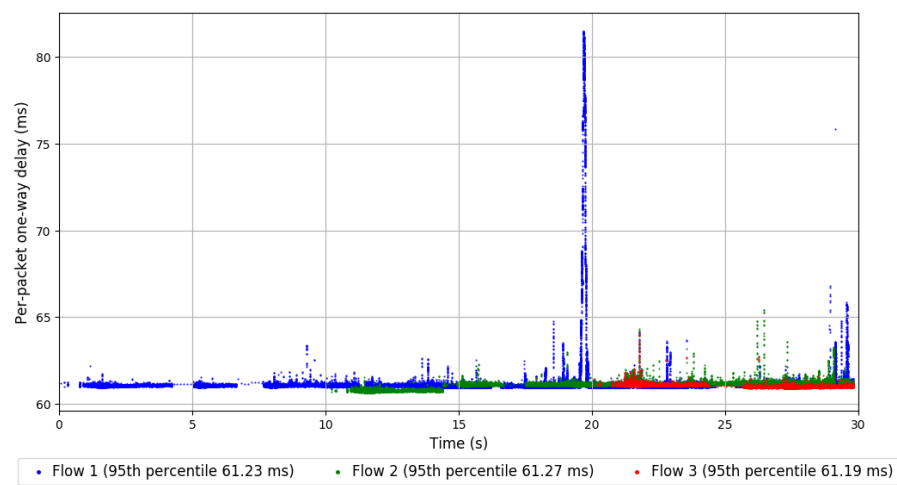
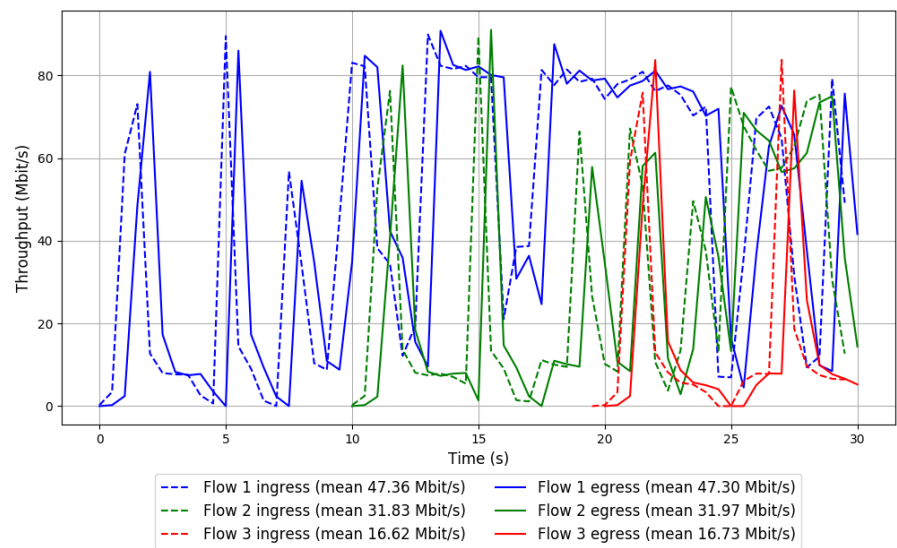


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-26 07:52:52
End at: 2018-07-26 07:53:22
Local clock offset: 0.291 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.97 Mbit/s
95th percentile per-packet one-way delay: 61.251 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 61.229 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 61.274 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 16.73 Mbit/s
95th percentile per-packet one-way delay: 61.189 ms
Loss rate: 0.61%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-26 08:18:10

End at: 2018-07-26 08:18:40

Local clock offset: 0.282 ms

Remote clock offset: 1.195 ms

Below is generated by plot.py at 2018-07-26 11:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 59.947 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 59.926 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 33.98 Mbit/s

95th percentile per-packet one-way delay: 59.923 ms

Loss rate: 1.31%

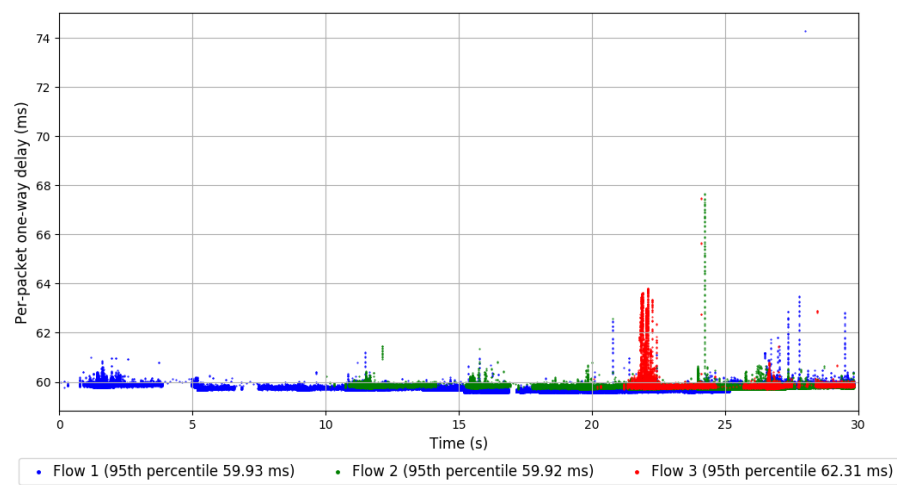
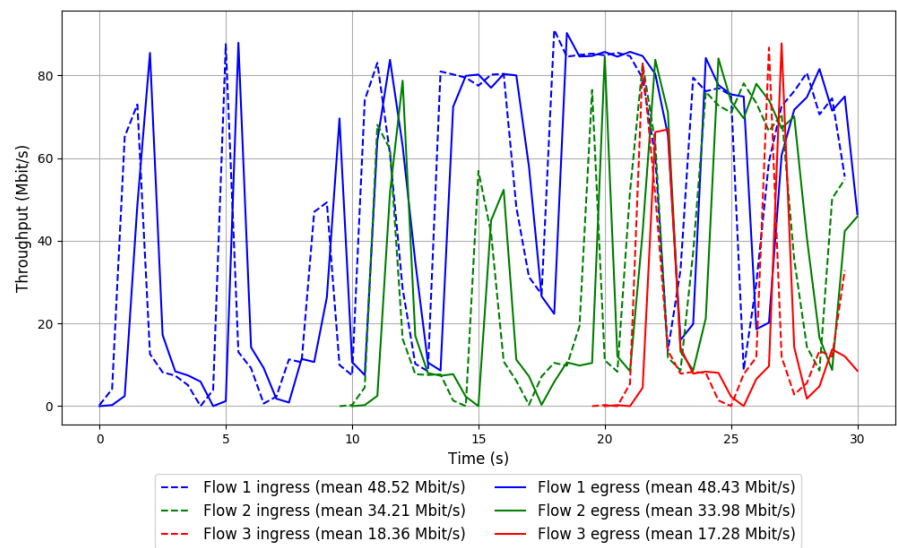
-- Flow 3:

Average throughput: 17.28 Mbit/s

95th percentile per-packet one-way delay: 62.313 ms

Loss rate: 7.07%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-26 08:43:06

End at: 2018-07-26 08:43:36

Local clock offset: 0.305 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-26 11:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.30 Mbit/s

95th percentile per-packet one-way delay: 61.181 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 44.22 Mbit/s

95th percentile per-packet one-way delay: 61.042 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 35.89 Mbit/s

95th percentile per-packet one-way delay: 61.265 ms

Loss rate: 1.26%

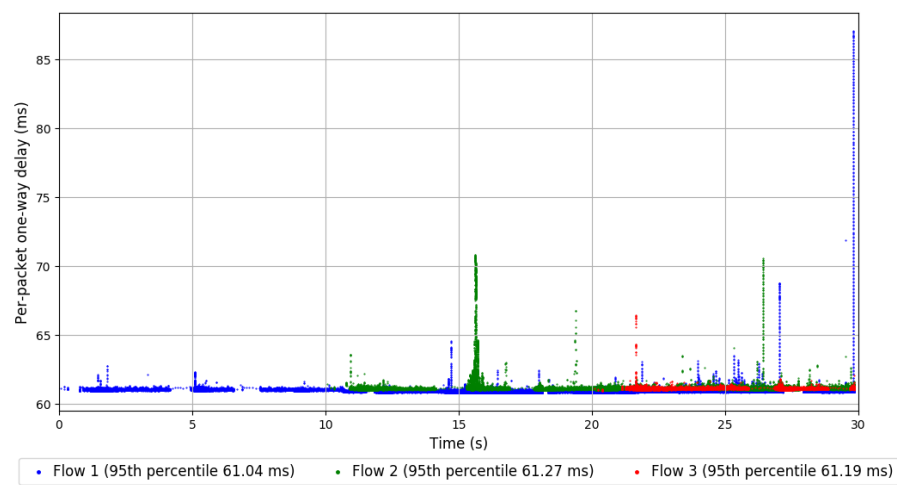
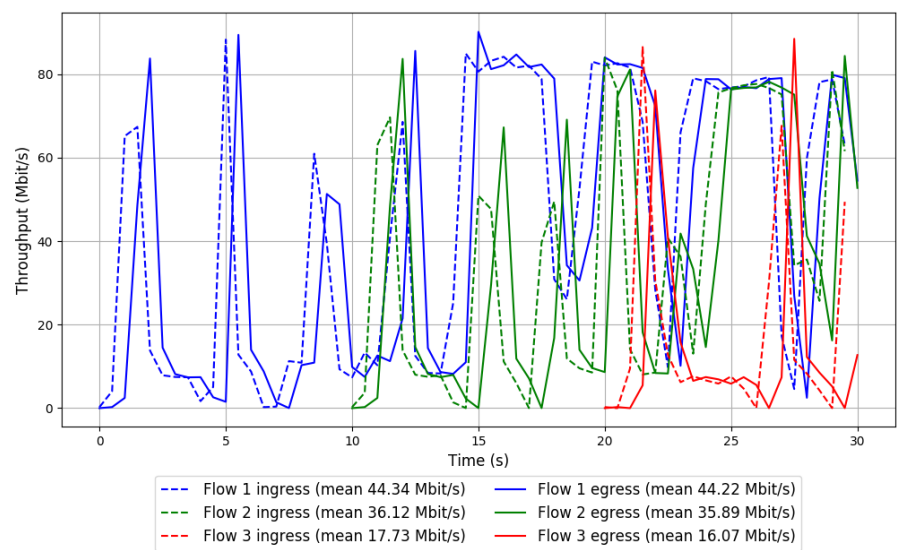
-- Flow 3:

Average throughput: 16.07 Mbit/s

95th percentile per-packet one-way delay: 61.192 ms

Loss rate: 10.50%

Run 10: Report of QUIC Cubic — Data Link

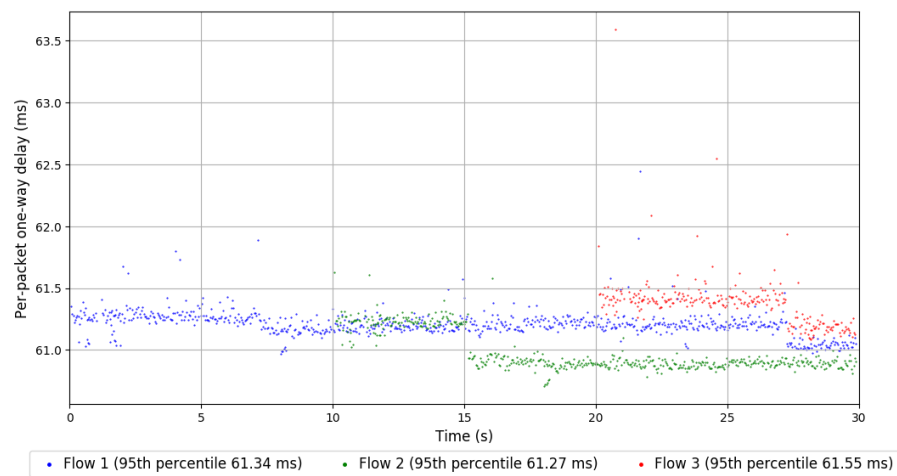
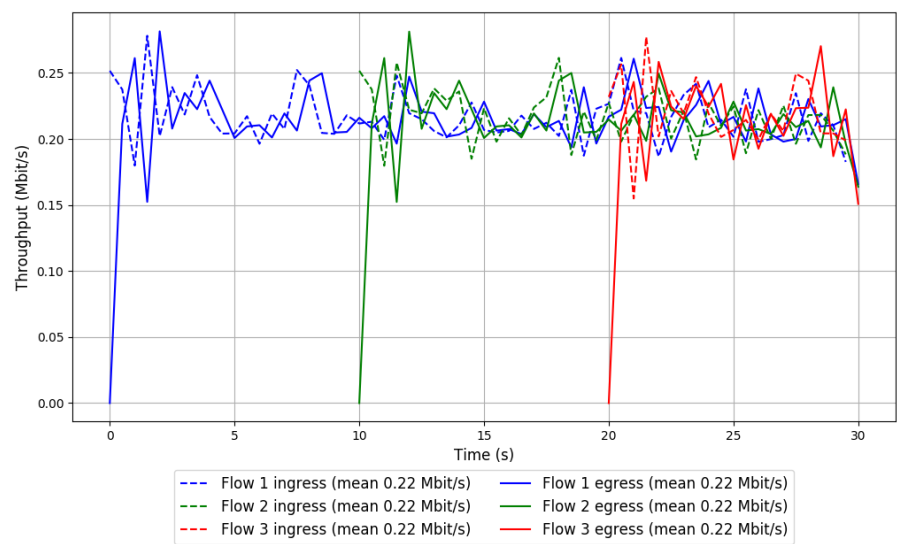


```
Run 1: Statistics of SReAM

Start at: 2018-07-26 04:48:30
End at: 2018-07-26 04:49:00
Local clock offset: -0.018 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-07-26 11:32:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.440 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.342 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.271 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.548 ms
Loss rate: 1.45%
```


Run 1: Report of SReAM — Data Link

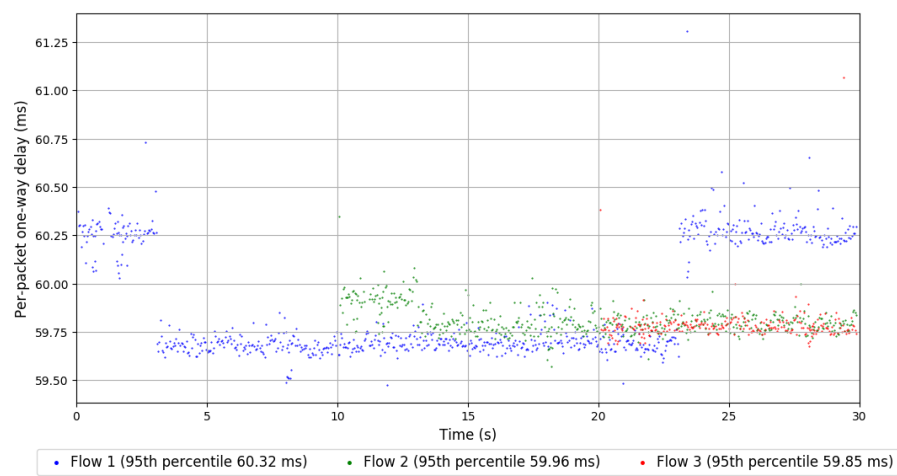
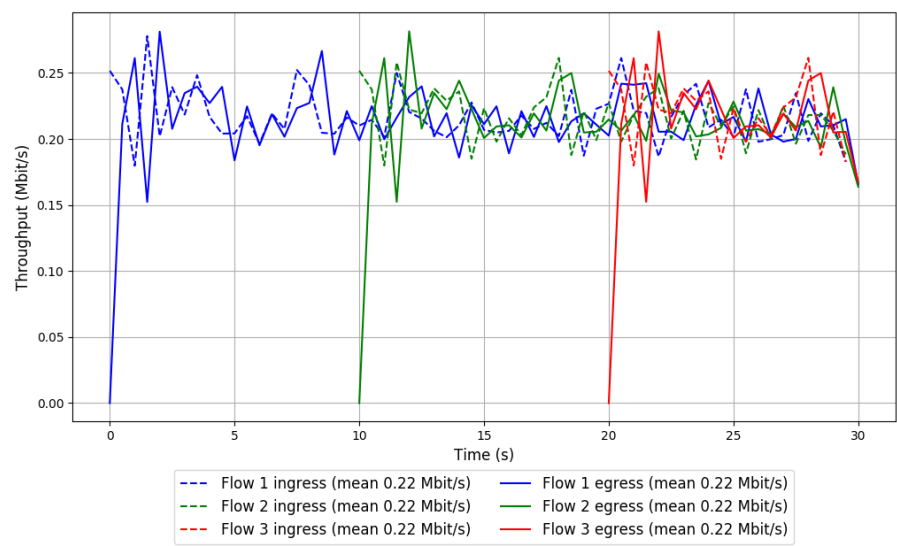


```
Run 2: Statistics of SReAM

Start at: 2018-07-26 05:13:54
End at: 2018-07-26 05:14:24
Local clock offset: -0.035 ms
Remote clock offset: 1.25 ms

# Below is generated by plot.py at 2018-07-26 11:32:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 60.295 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.321 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.958 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.850 ms
Loss rate: 1.08%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-26 05:38:51

End at: 2018-07-26 05:39:21

Local clock offset: 0.028 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-26 11:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.395 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.395 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.416 ms

Loss rate: 0.61%

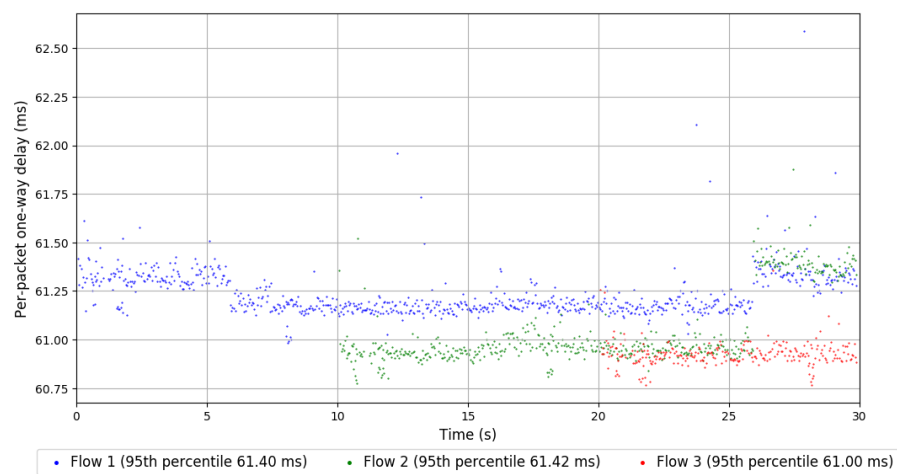
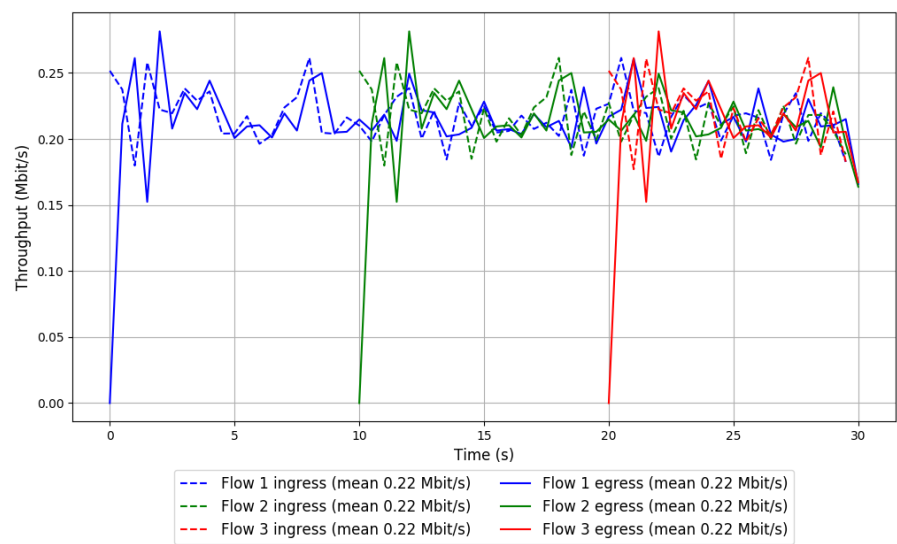
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.997 ms

Loss rate: 1.08%

Run 3: Report of SCReAM — Data Link

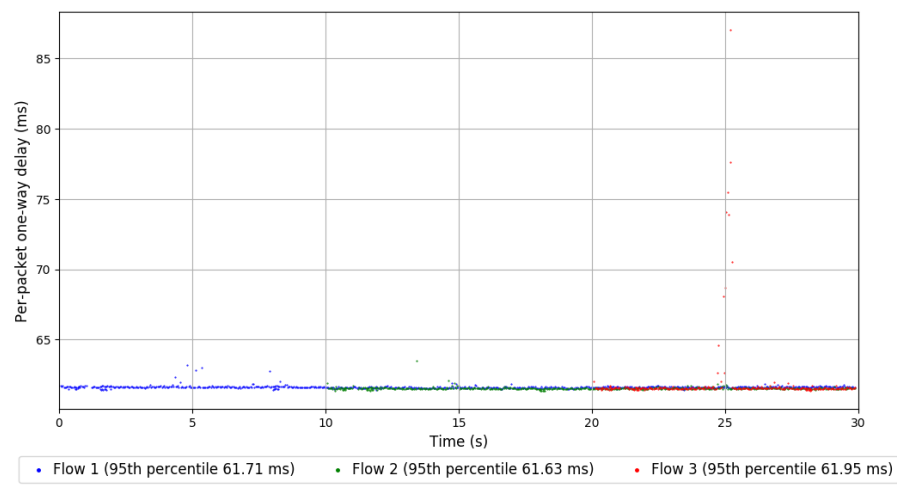
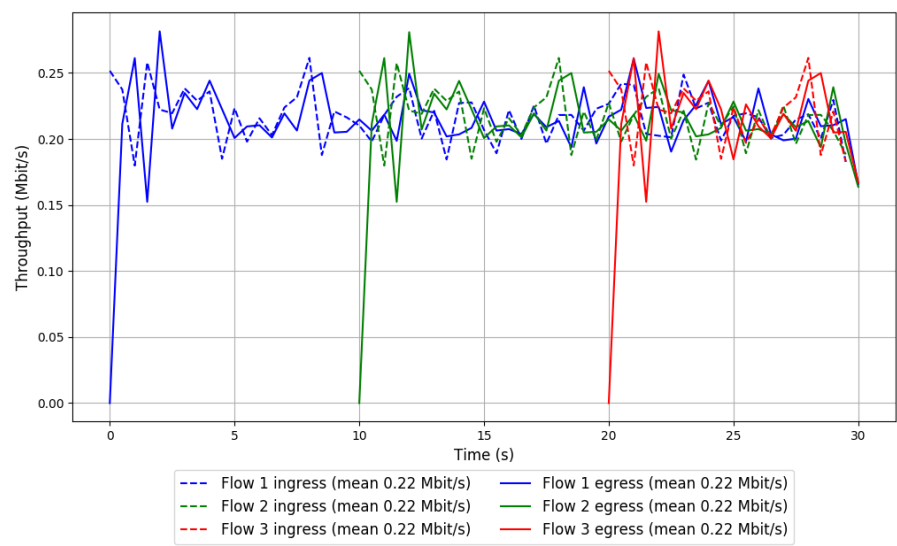


Run 4: Statistics of SReAM

Start at: 2018-07-26 06:03:57
End at: 2018-07-26 06:04:27
Local clock offset: 0.102 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.702 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.707 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.634 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.954 ms
Loss rate: 1.08%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-26 06:28:55

End at: 2018-07-26 06:29:25

Local clock offset: 0.148 ms

Remote clock offset: 1.124 ms

Below is generated by plot.py at 2018-07-26 11:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 60.285 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.329 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.249 ms

Loss rate: 0.61%

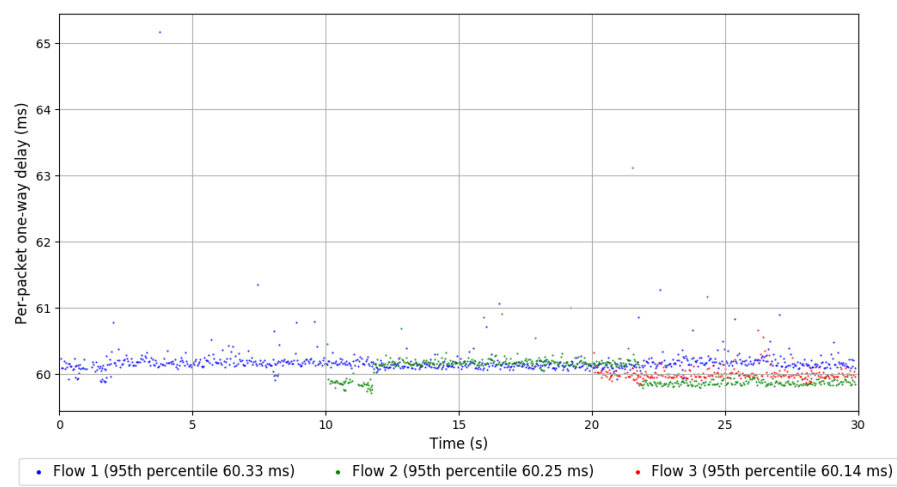
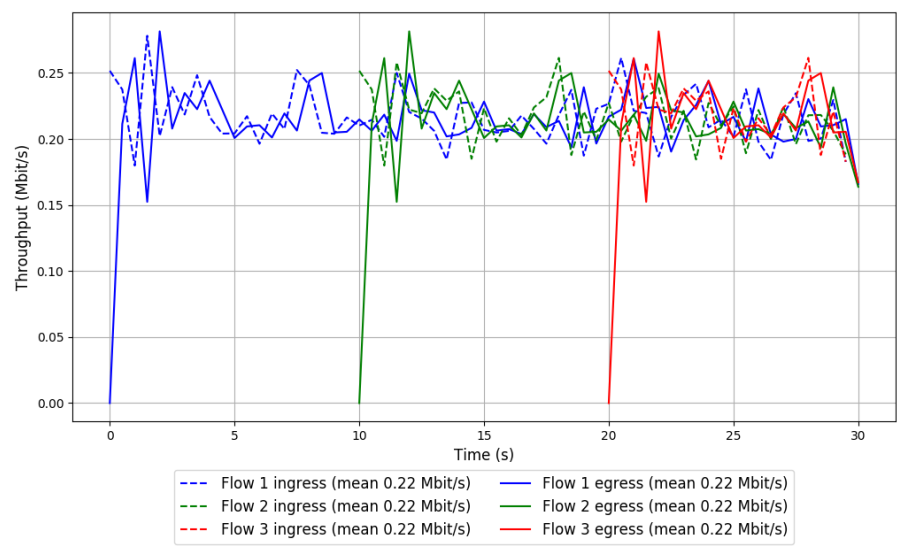
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.144 ms

Loss rate: 1.08%

Run 5: Report of SReAM — Data Link

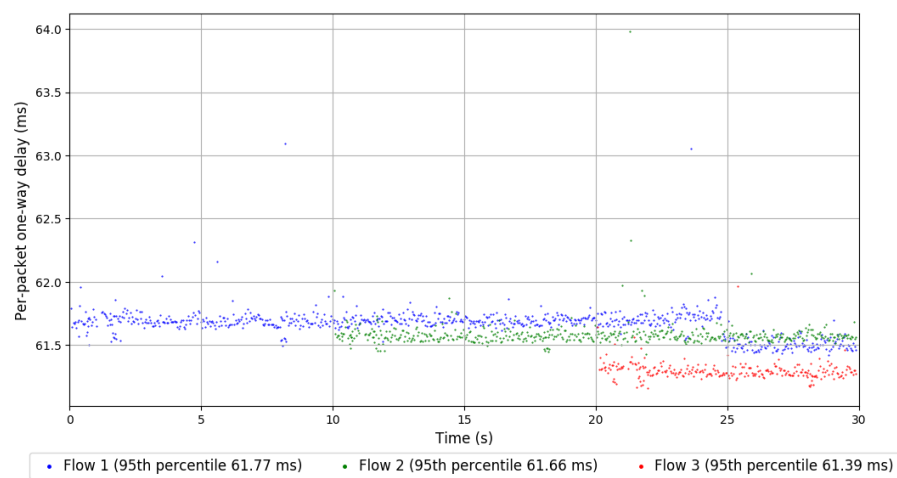
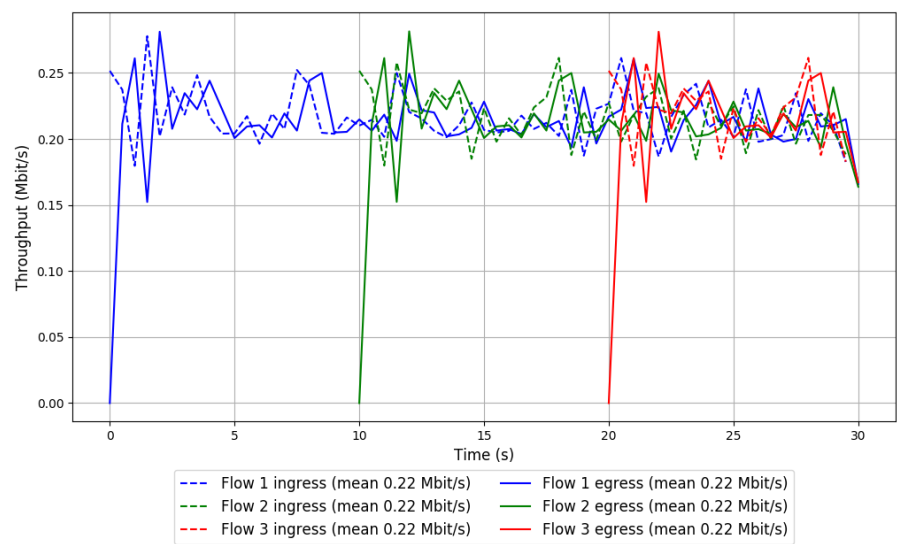


Run 6: Statistics of SReAM

Start at: 2018-07-26 06:54:10
End at: 2018-07-26 06:54:40
Local clock offset: 0.197 ms
Remote clock offset: -0.472 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.754 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.768 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.664 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.389 ms
Loss rate: 1.08%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-26 07:19:27

End at: 2018-07-26 07:19:57

Local clock offset: 0.269 ms

Remote clock offset: 1.333 ms

Below is generated by plot.py at 2018-07-26 11:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 59.980 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.000 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 59.844 ms

Loss rate: 0.61%

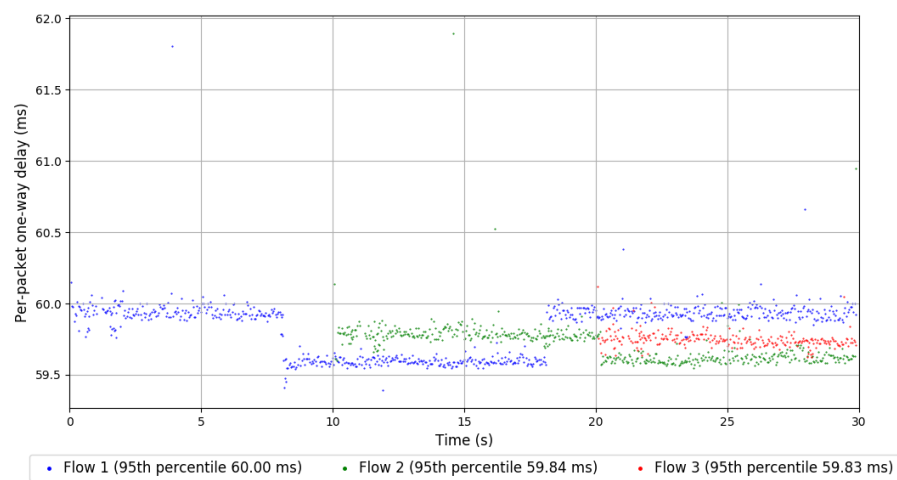
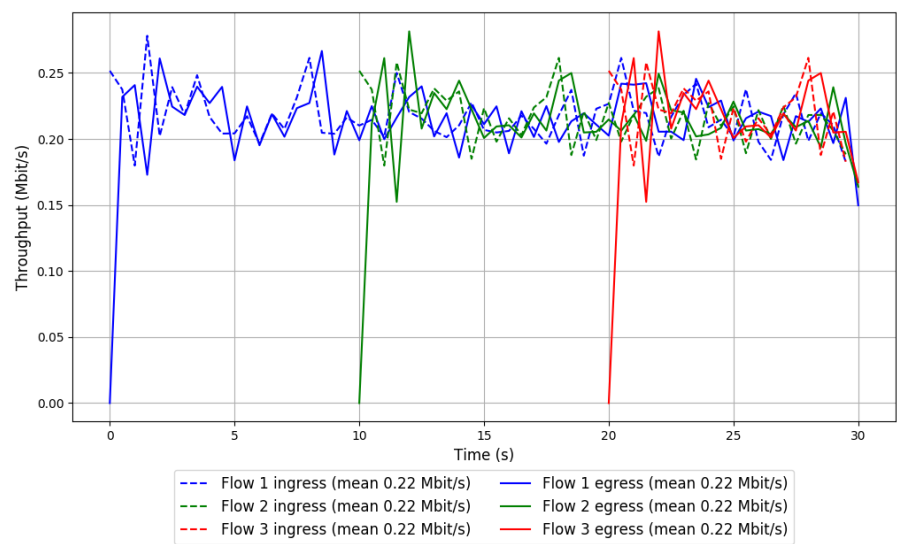
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 59.827 ms

Loss rate: 1.08%

Run 7: Report of SReAM — Data Link

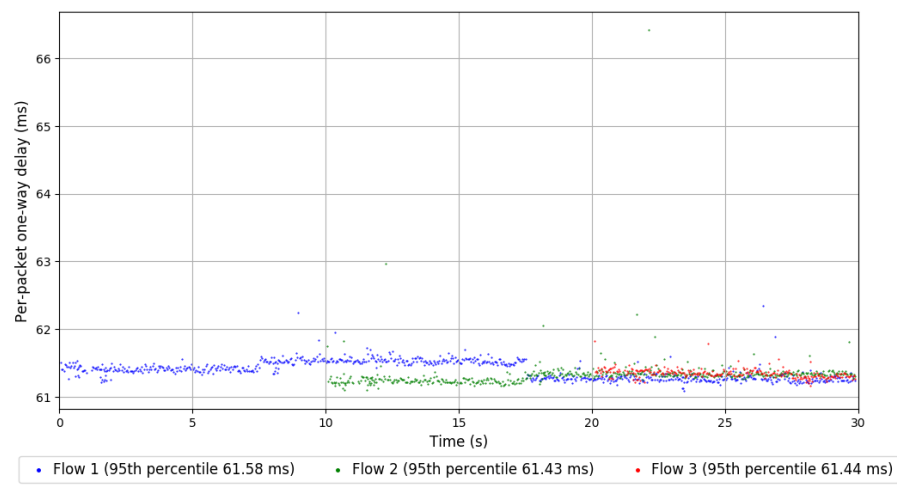
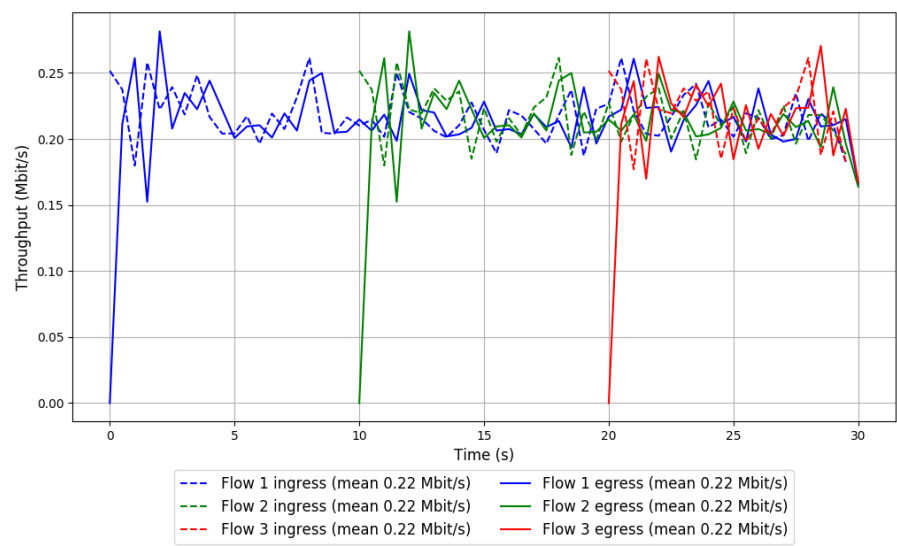


Run 8: Statistics of SReAM

Start at: 2018-07-26 07:44:39
End at: 2018-07-26 07:45:09
Local clock offset: 0.294 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.561 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.579 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.427 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.436 ms
Loss rate: 1.08%

Run 8: Report of SReAM — Data Link

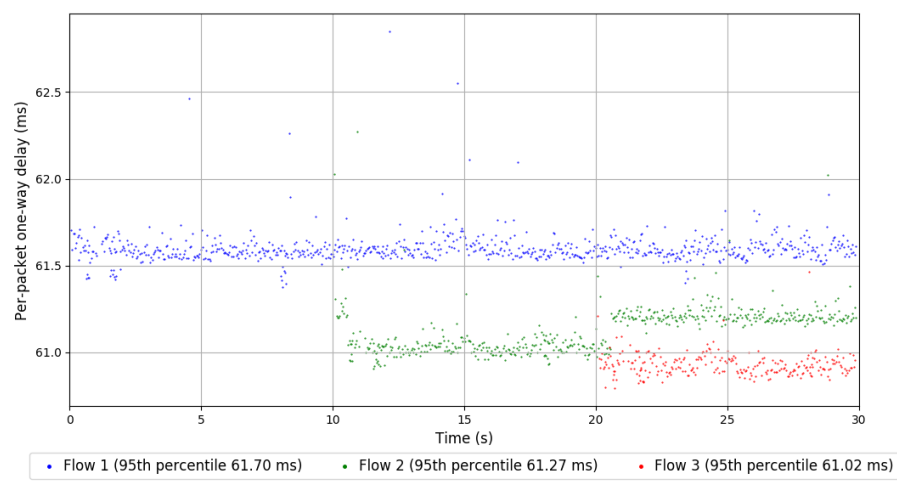
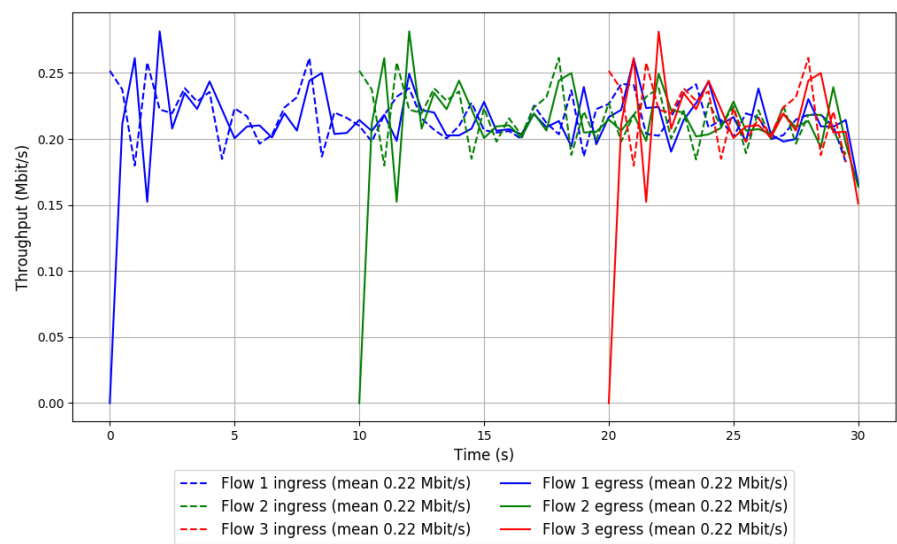


Run 9: Statistics of SReAM

Start at: 2018-07-26 08:09:46
End at: 2018-07-26 08:10:16
Local clock offset: 0.275 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.671 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.704 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.274 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.016 ms
Loss rate: 1.45%

Run 9: Report of SReAM — Data Link

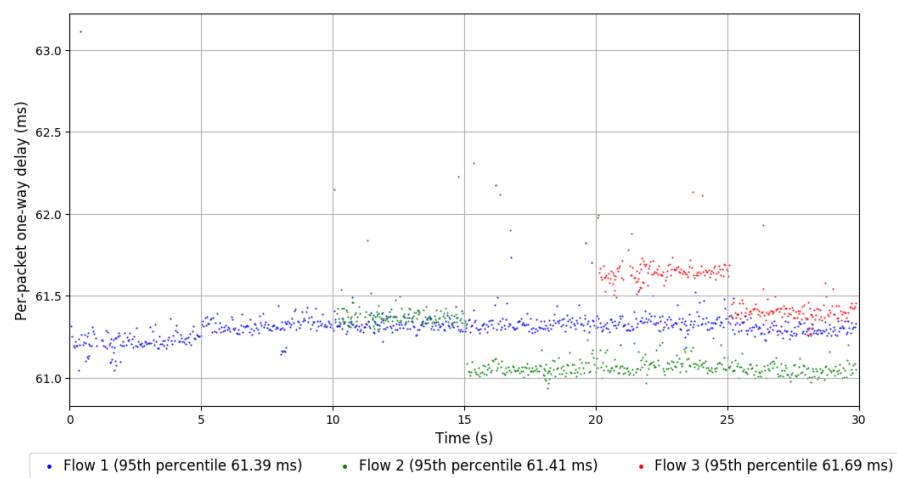
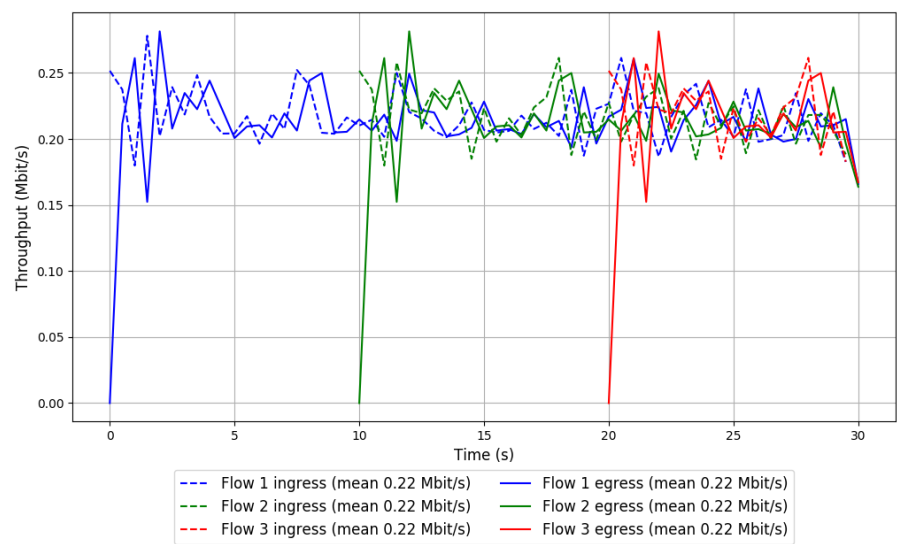


Run 10: Statistics of SReAM

Start at: 2018-07-26 08:34:52
End at: 2018-07-26 08:35:22
Local clock offset: 0.281 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.645 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.394 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.414 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.692 ms
Loss rate: 1.08%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-26 04:55:40

End at: 2018-07-26 04:56:10

Local clock offset: 0.012 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-26 11:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 61.498 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 61.511 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 61.414 ms

Loss rate: 0.58%

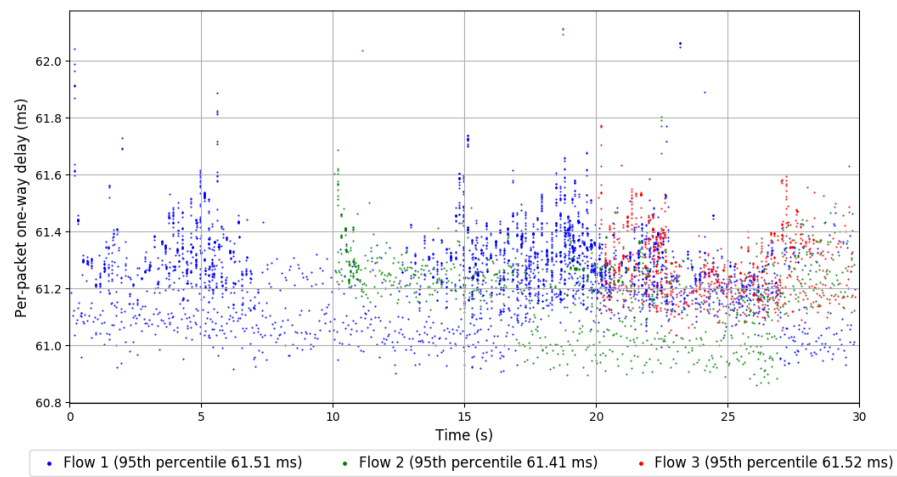
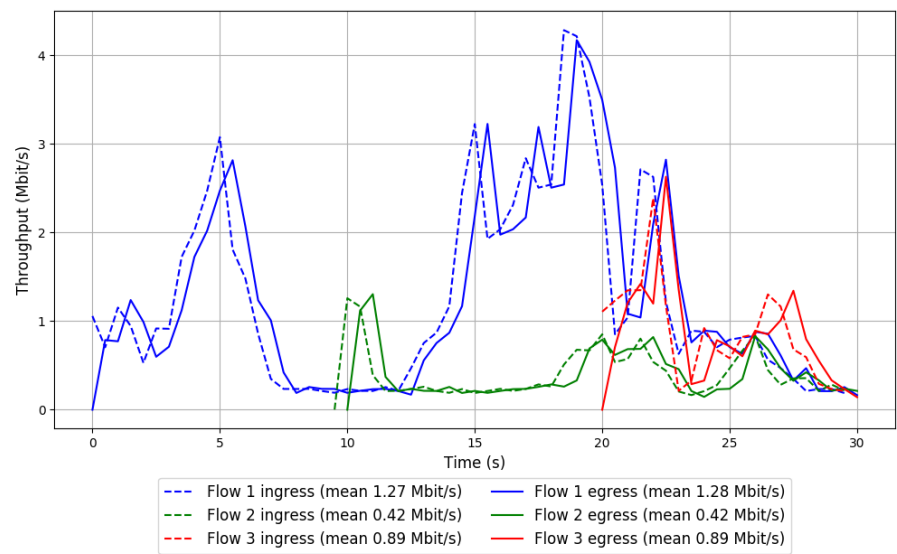
-- Flow 3:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 61.516 ms

Loss rate: 0.40%

Run 1: Report of Sprout — Data Link

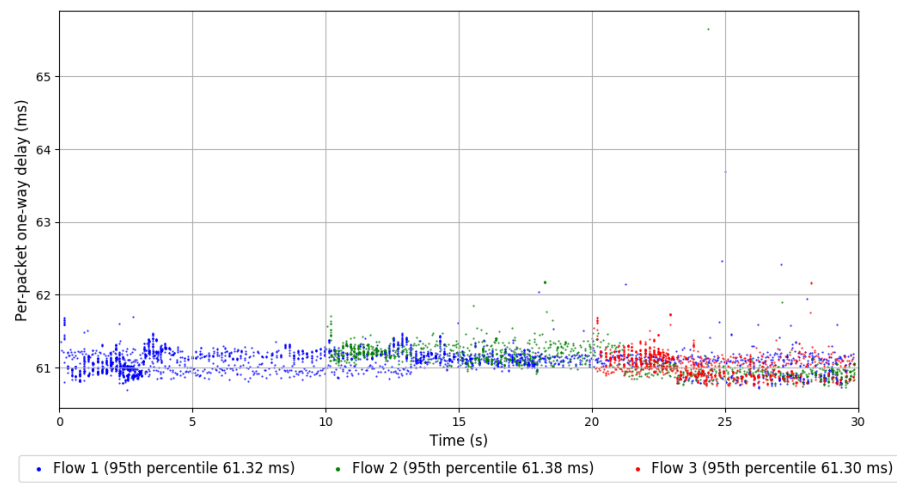
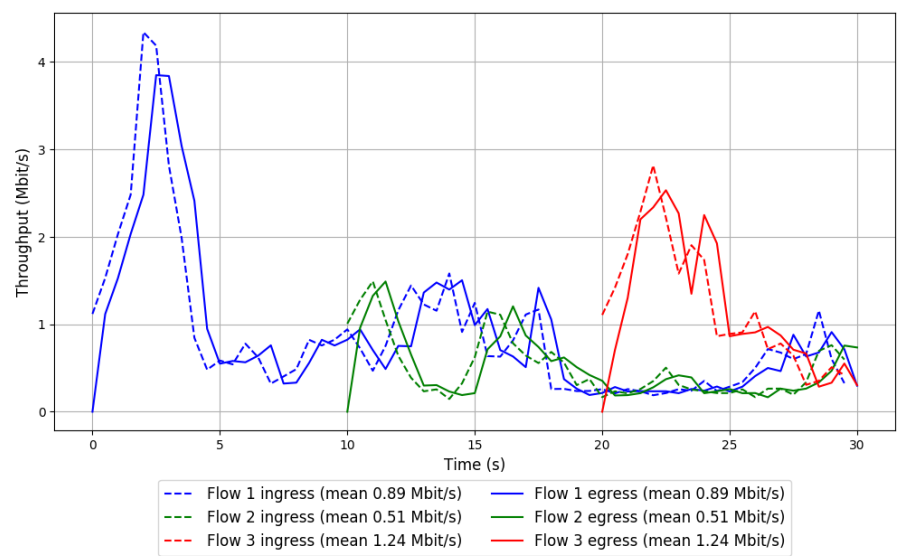


Run 2: Statistics of Sprout

Start at: 2018-07-26 05:20:54
End at: 2018-07-26 05:21:24
Local clock offset: -0.081 ms
Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 61.337 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 61.323 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 61.376 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 61.296 ms
Loss rate: 0.76%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-26 05:45:55

End at: 2018-07-26 05:46:25

Local clock offset: 0.046 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-26 11:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 61.908 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 61.476 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 4.62 Mbit/s

95th percentile per-packet one-way delay: 61.944 ms

Loss rate: 0.09%

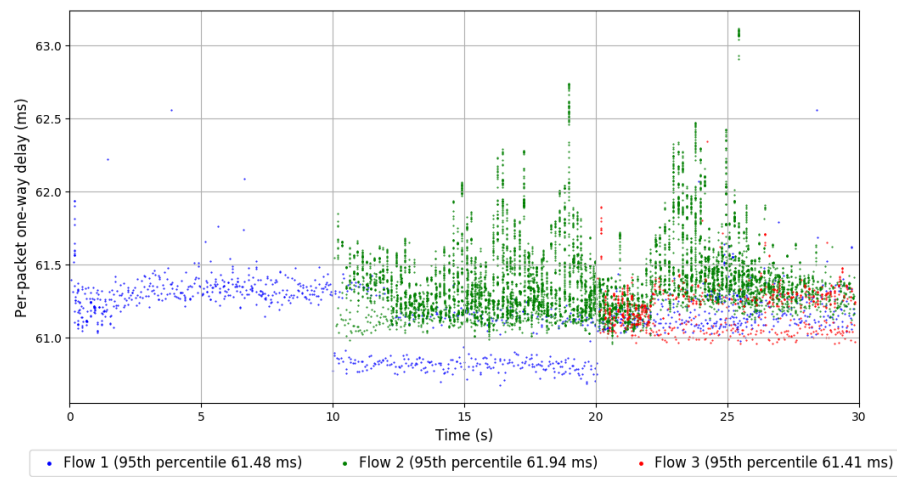
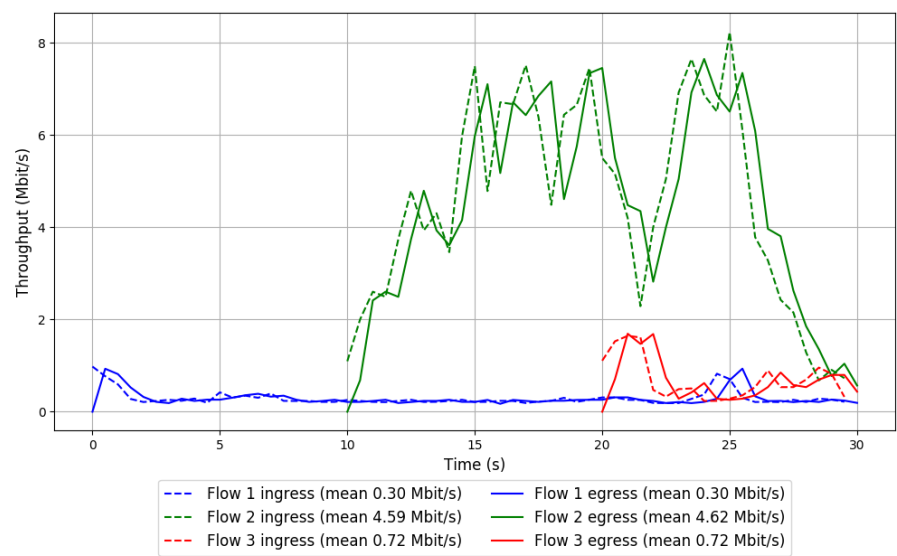
-- Flow 3:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 61.410 ms

Loss rate: 0.51%

Run 3: Report of Sprout — Data Link

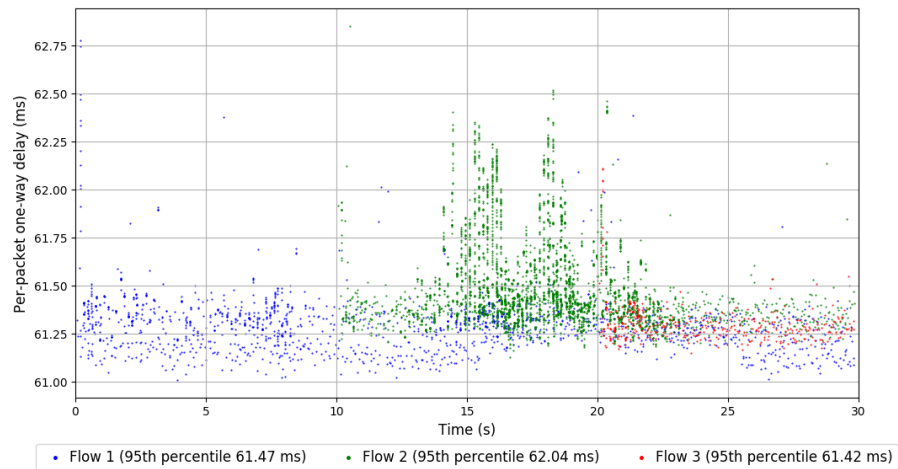
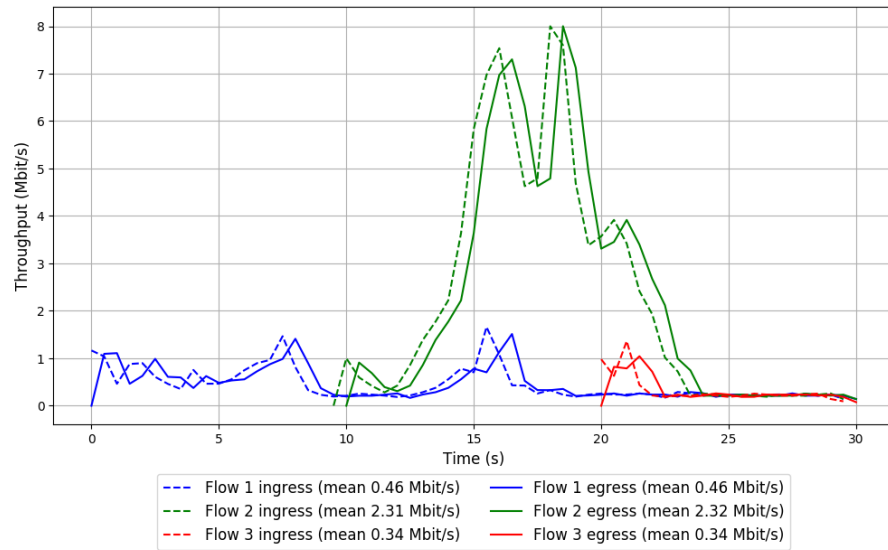


Run 4: Statistics of Sprout

Start at: 2018-07-26 06:11:01
End at: 2018-07-26 06:11:31
Local clock offset: 0.104 ms
Remote clock offset: -0.082 ms

```
# Below is generated by plot.py at 2018-07-26 11:32:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 61.951 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 61.468 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 62.041 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 61.418 ms
Loss rate: 0.31%
```

Run 4: Report of Sprout — Data Link

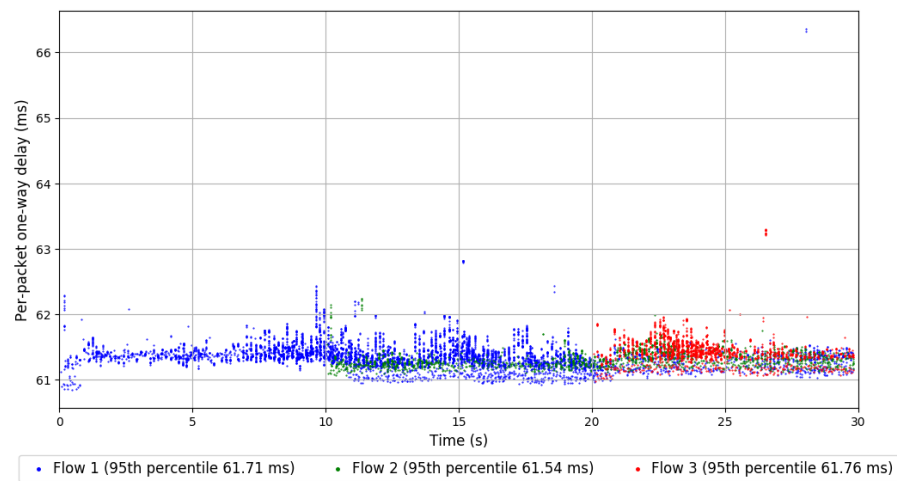
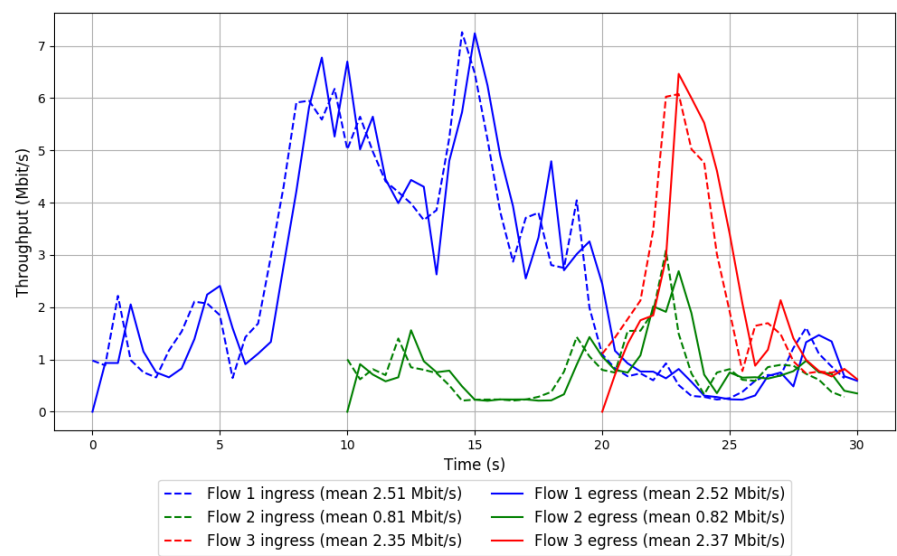


Run 5: Statistics of Sprout

Start at: 2018-07-26 06:36:06
End at: 2018-07-26 06:36:36
Local clock offset: 0.179 ms
Remote clock offset: -0.094 ms

```
# Below is generated by plot.py at 2018-07-26 11:32:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 61.701 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 61.708 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 61.542 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 61.757 ms
Loss rate: 0.50%
```

Run 5: Report of Sprout — Data Link

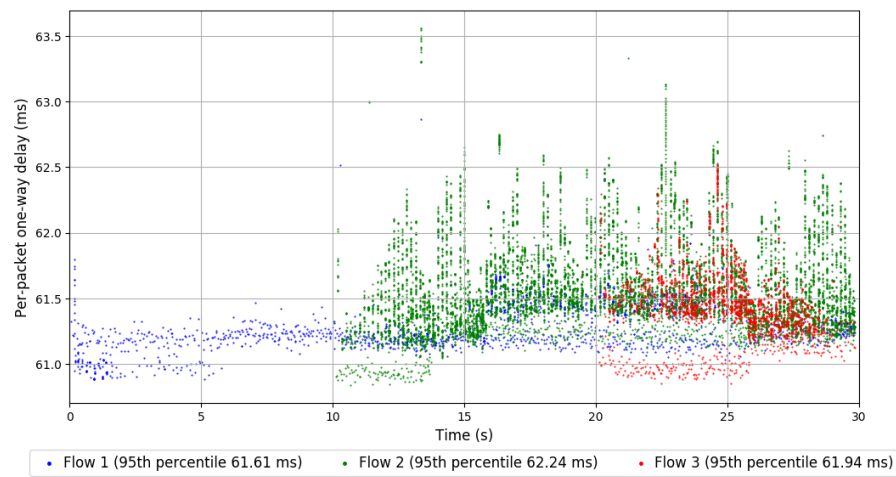
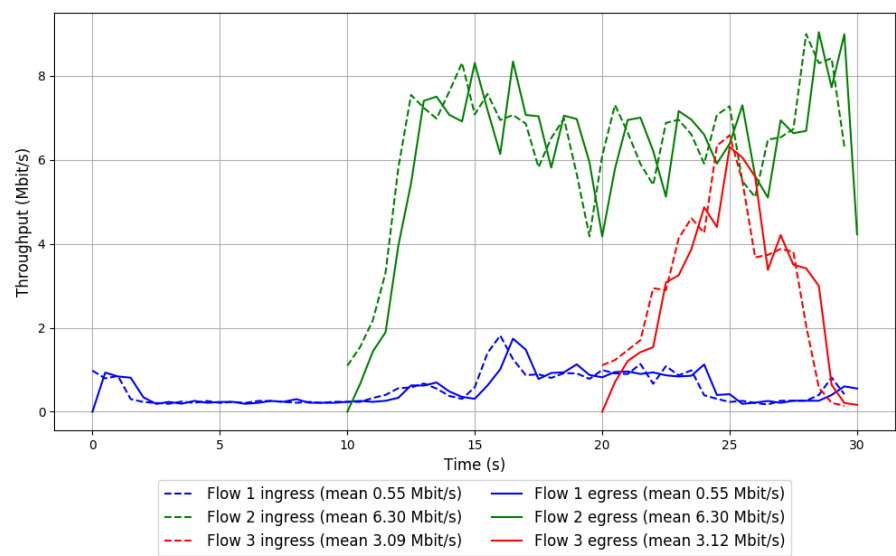


Run 6: Statistics of Sprout

Start at: 2018-07-26 07:01:21
End at: 2018-07-26 07:01:51
Local clock offset: 0.195 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 62.188 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 61.608 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 62.245 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 61.941 ms
Loss rate: 0.04%

Run 6: Report of Sprout — Data Link

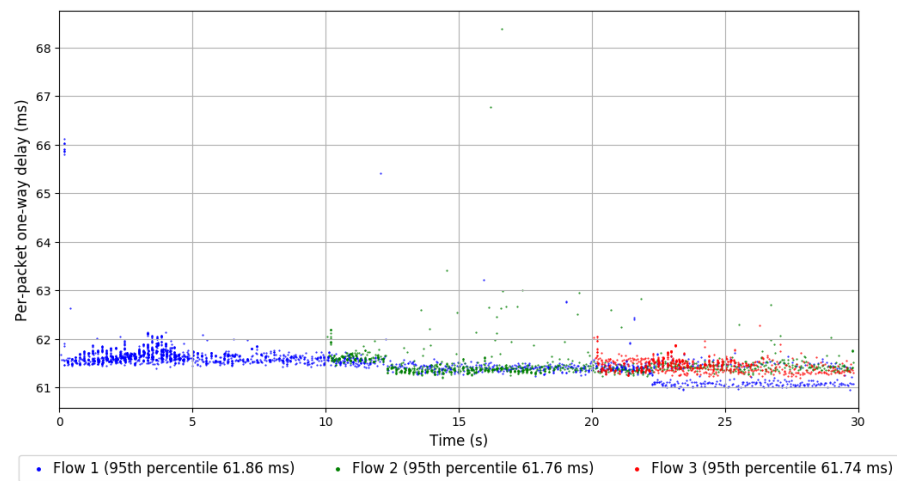
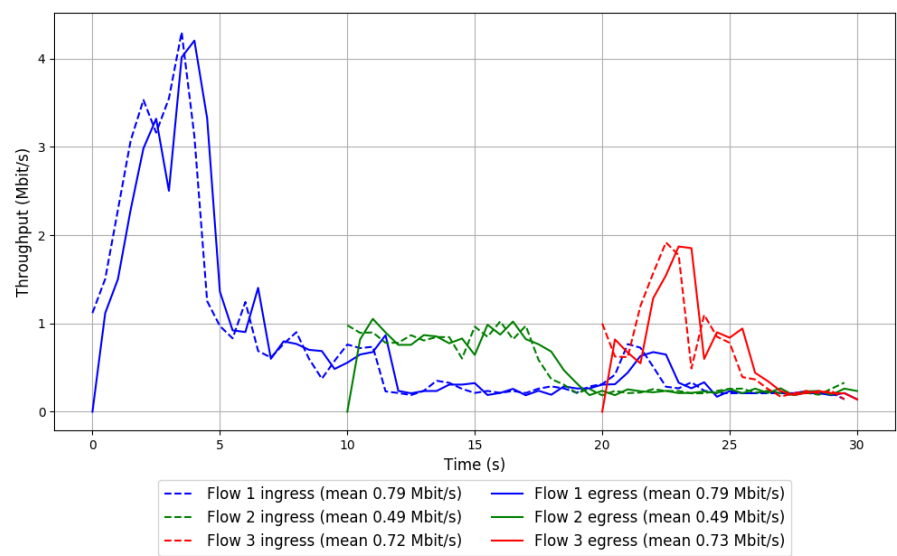


Run 7: Statistics of Sprout

Start at: 2018-07-26 07:26:35
End at: 2018-07-26 07:27:05
Local clock offset: 0.271 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 61.831 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 61.862 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.764 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 61.740 ms
Loss rate: 0.35%

Run 7: Report of Sprout — Data Link

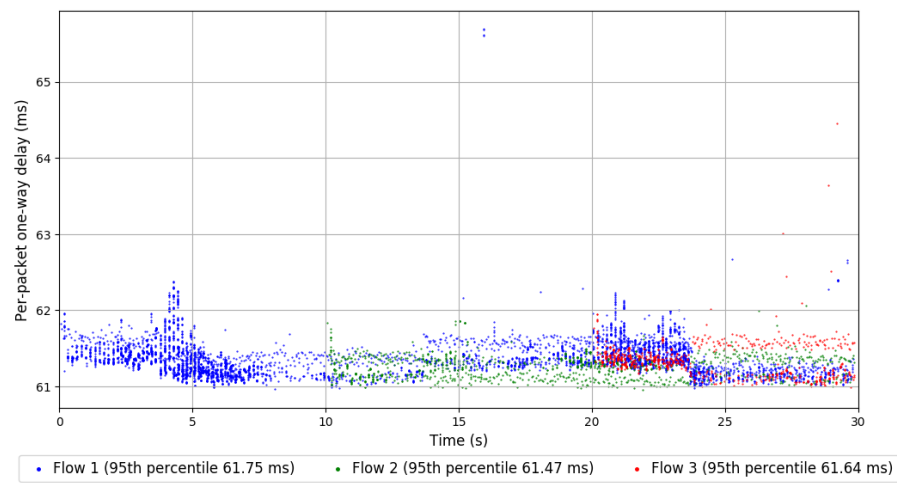
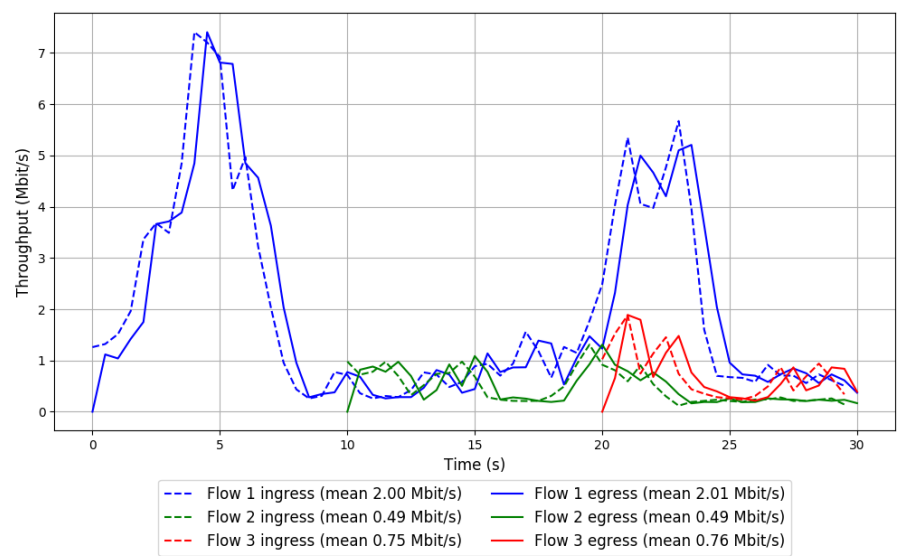


Run 8: Statistics of Sprout

Start at: 2018-07-26 07:51:43
End at: 2018-07-26 07:52:13
Local clock offset: 0.289 ms
Remote clock offset: -0.214 ms

```
# Below is generated by plot.py at 2018-07-26 11:32:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 61.725 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 61.753 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.467 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 61.643 ms
Loss rate: 0.15%
```

Run 8: Report of Sprout — Data Link

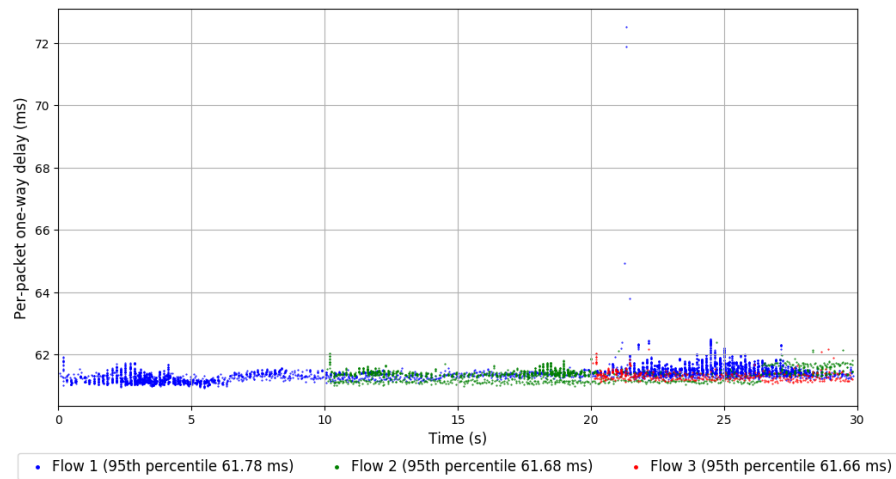
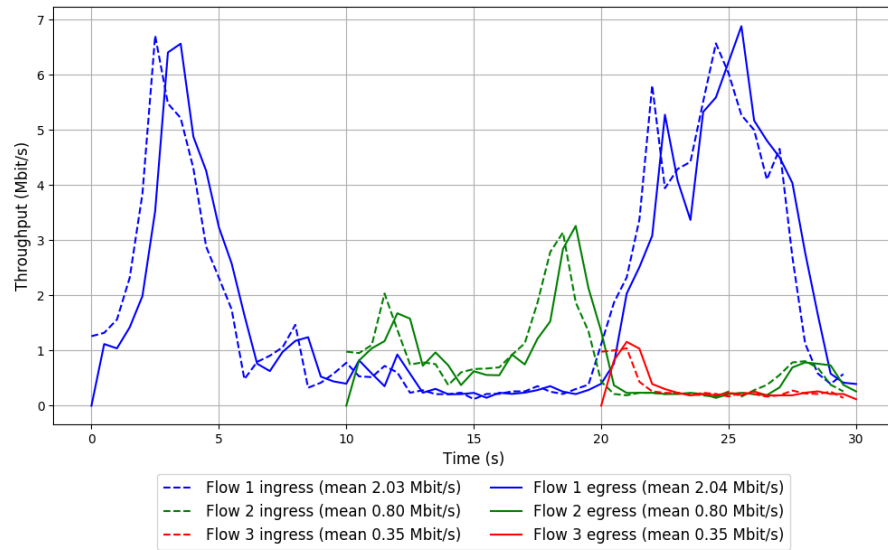


Run 9: Statistics of Sprout

Start at: 2018-07-26 08:17:01
End at: 2018-07-26 08:17:31
Local clock offset: 0.301 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-26 11:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 61.747 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.783 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 61.681 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 61.661 ms
Loss rate: 0.99%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-26 08:41:57

End at: 2018-07-26 08:42:27

Local clock offset: 0.308 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-07-26 11:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 61.253 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 61.177 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 61.360 ms

Loss rate: 0.01%

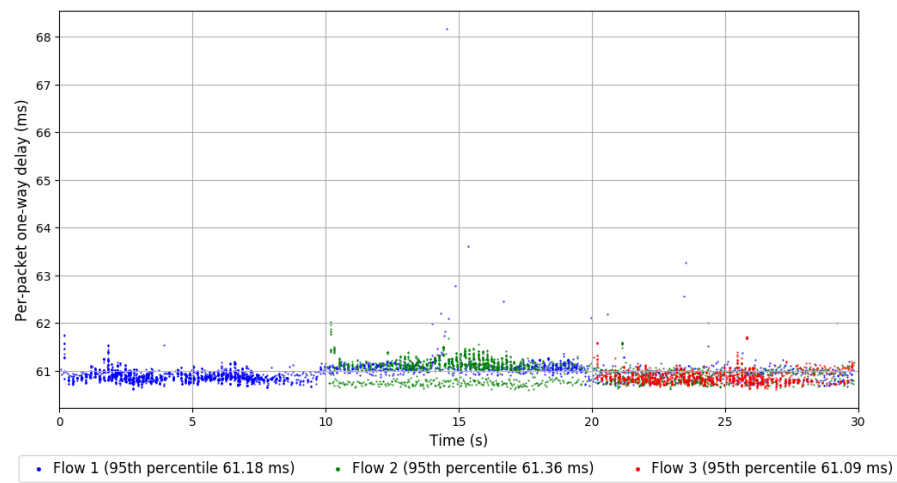
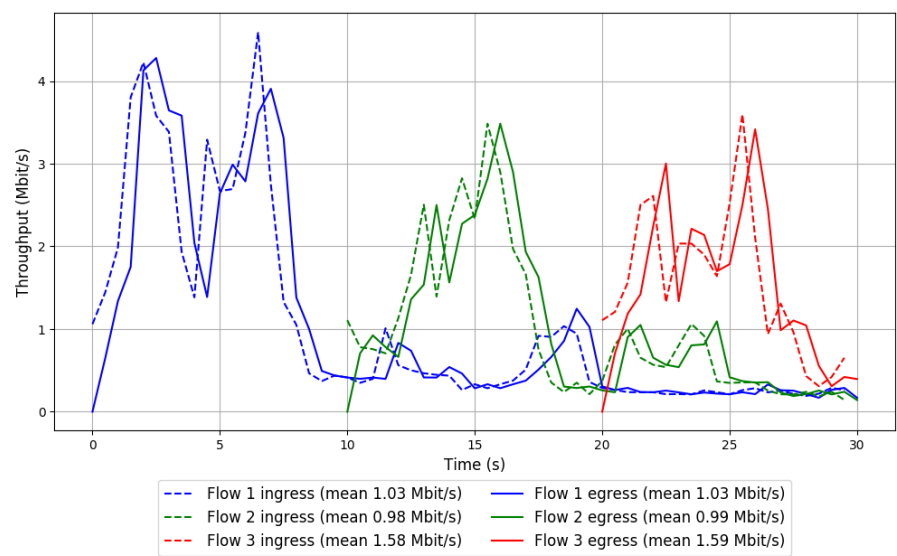
-- Flow 3:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 61.094 ms

Loss rate: 0.83%

Run 10: Report of Sprout — Data Link

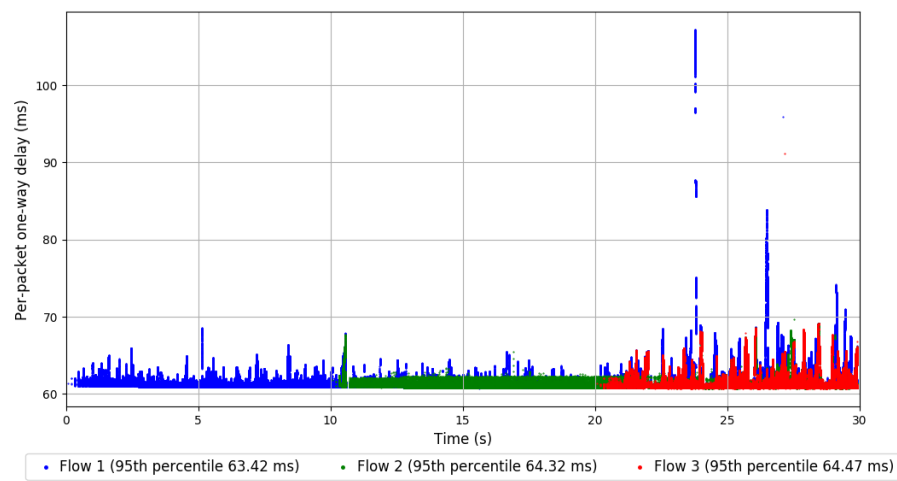
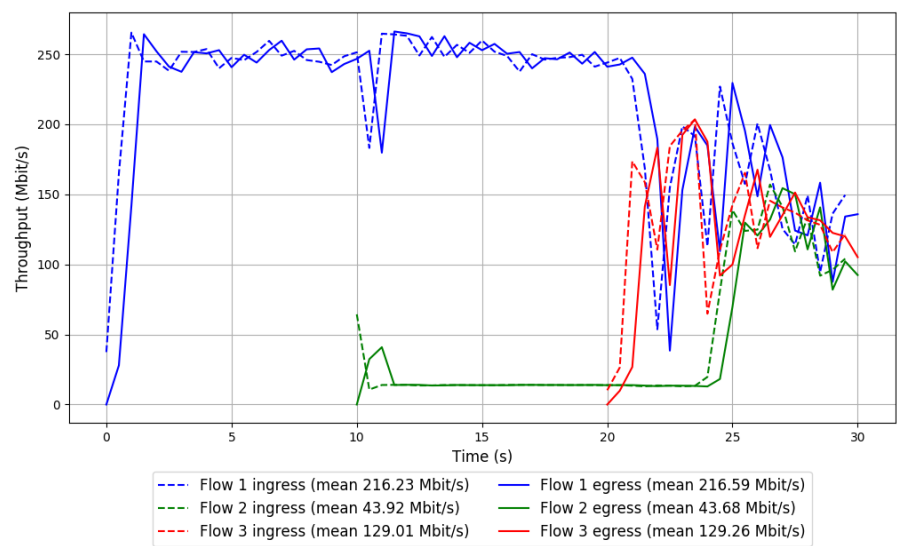


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-26 04:46:54
End at: 2018-07-26 04:47:24
Local clock offset: -0.041 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-07-26 11:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 288.21 Mbit/s
95th percentile per-packet one-way delay: 63.745 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 216.59 Mbit/s
95th percentile per-packet one-way delay: 63.416 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 64.316 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 129.26 Mbit/s
95th percentile per-packet one-way delay: 64.465 ms
Loss rate: 1.04%
```


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

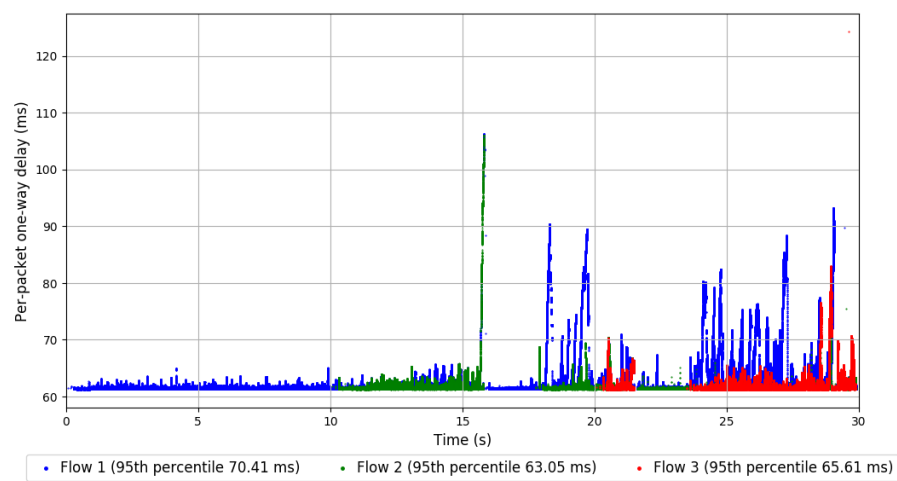
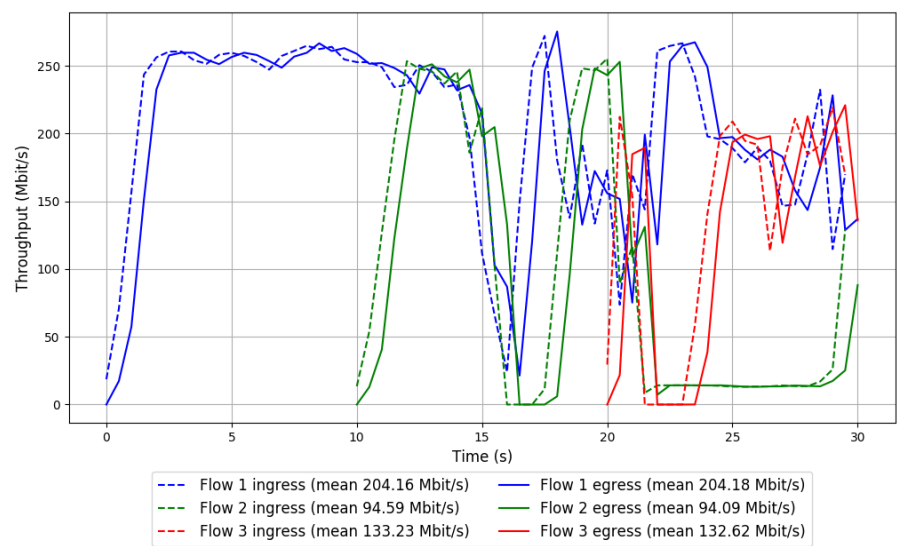


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-26 05:12:16
End at: 2018-07-26 05:12:46
Local clock offset: -0.038 ms
Remote clock offset: -0.311 ms

# Below is generated by plot.py at 2018-07-26 11:38:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.23 Mbit/s
95th percentile per-packet one-way delay: 67.902 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 204.18 Mbit/s
95th percentile per-packet one-way delay: 70.407 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 63.053 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 132.62 Mbit/s
95th percentile per-packet one-way delay: 65.605 ms
Loss rate: 2.06%
```

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

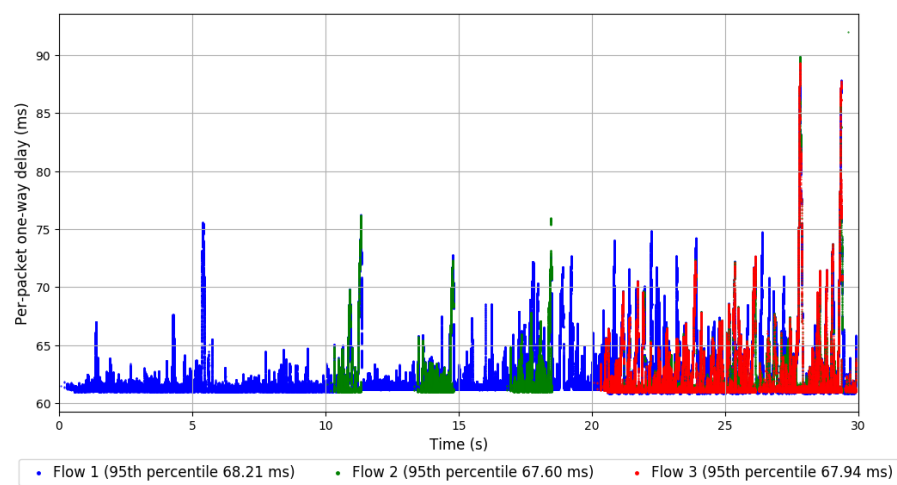
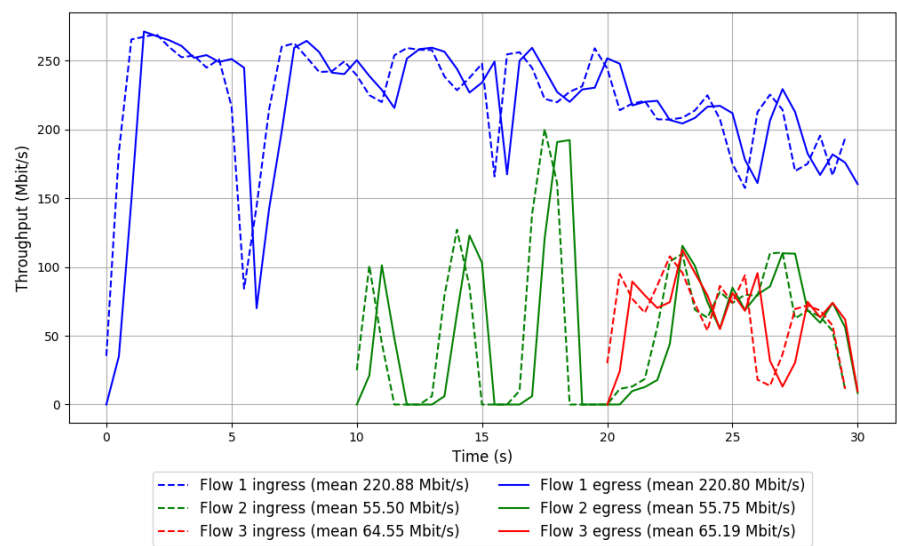


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-26 05:37:16
End at: 2018-07-26 05:37:46
Local clock offset: -0.012 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-26 11:38:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.35 Mbit/s
95th percentile per-packet one-way delay: 68.113 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 220.80 Mbit/s
95th percentile per-packet one-way delay: 68.206 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 67.599 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 65.19 Mbit/s
95th percentile per-packet one-way delay: 67.936 ms
Loss rate: 0.26%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-26 06:02:20

End at: 2018-07-26 06:02:50

Local clock offset: 0.073 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-26 11:38:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.64 Mbit/s

95th percentile per-packet one-way delay: 64.856 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 152.45 Mbit/s

95th percentile per-packet one-way delay: 63.121 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 153.14 Mbit/s

95th percentile per-packet one-way delay: 66.458 ms

Loss rate: 0.44%

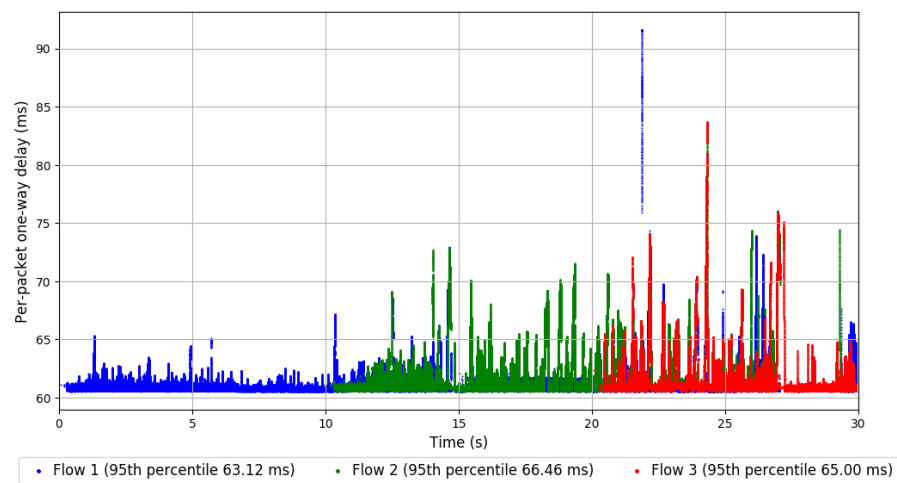
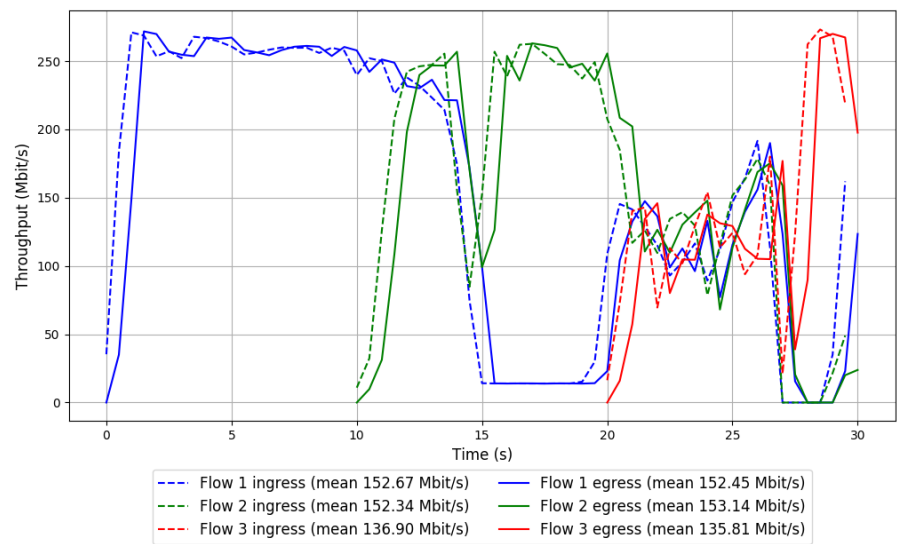
-- Flow 3:

Average throughput: 135.81 Mbit/s

95th percentile per-packet one-way delay: 65.004 ms

Loss rate: 2.04%

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

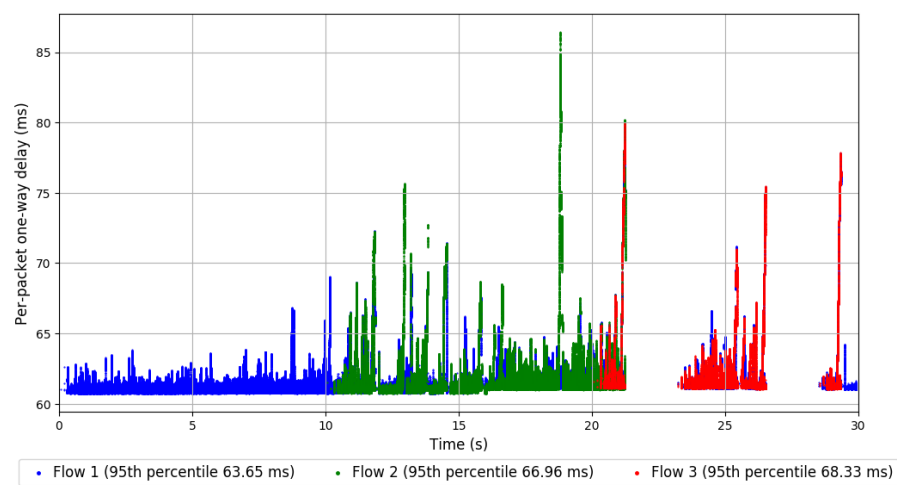
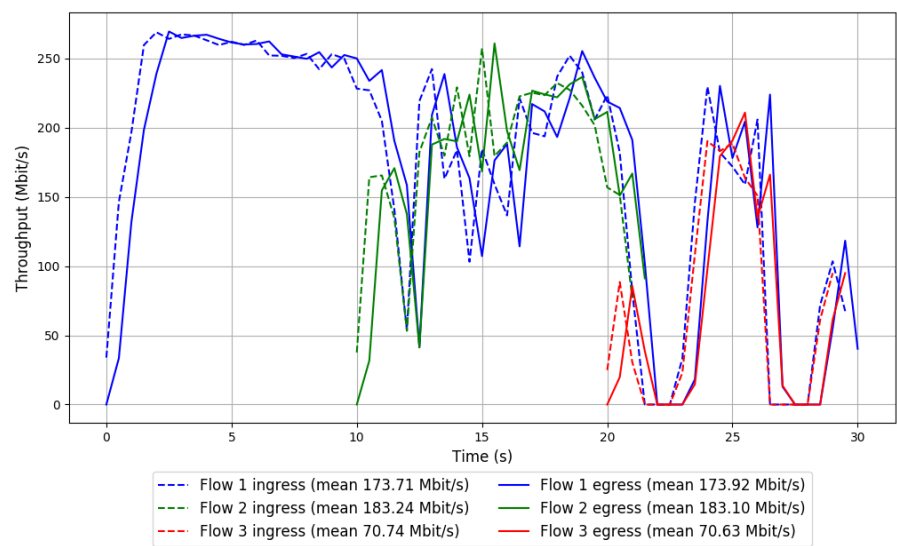


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-26 06:27:21
End at: 2018-07-26 06:27:51
Local clock offset: 0.13 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-26 11:38:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.38 Mbit/s
95th percentile per-packet one-way delay: 64.737 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 173.92 Mbit/s
95th percentile per-packet one-way delay: 63.649 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 183.10 Mbit/s
95th percentile per-packet one-way delay: 66.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 68.334 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-26 06:52:32

End at: 2018-07-26 06:53:02

Local clock offset: 0.178 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-07-26 11:39:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 321.27 Mbit/s

95th percentile per-packet one-way delay: 64.050 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 186.15 Mbit/s

95th percentile per-packet one-way delay: 63.263 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 143.98 Mbit/s

95th percentile per-packet one-way delay: 64.348 ms

Loss rate: 0.32%

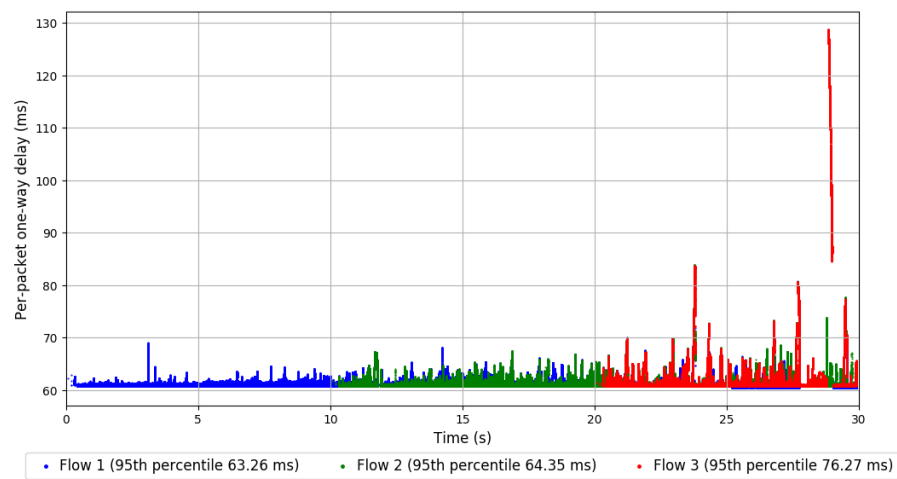
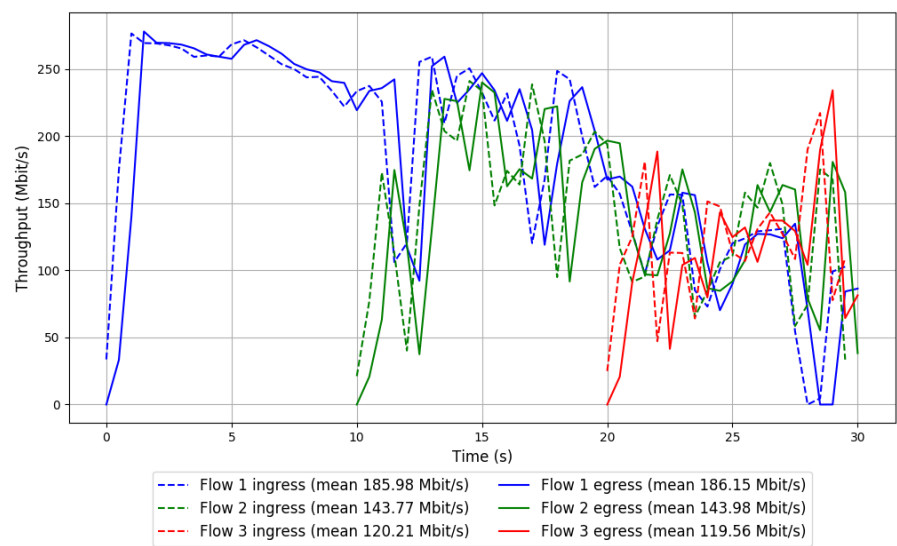
-- Flow 3:

Average throughput: 119.56 Mbit/s

95th percentile per-packet one-way delay: 76.265 ms

Loss rate: 1.77%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-26 07:17:49

End at: 2018-07-26 07:18:19

Local clock offset: 0.253 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-07-26 11:43:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.70 Mbit/s

95th percentile per-packet one-way delay: 68.085 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 184.26 Mbit/s

95th percentile per-packet one-way delay: 65.467 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 123.47 Mbit/s

95th percentile per-packet one-way delay: 67.484 ms

Loss rate: 0.07%

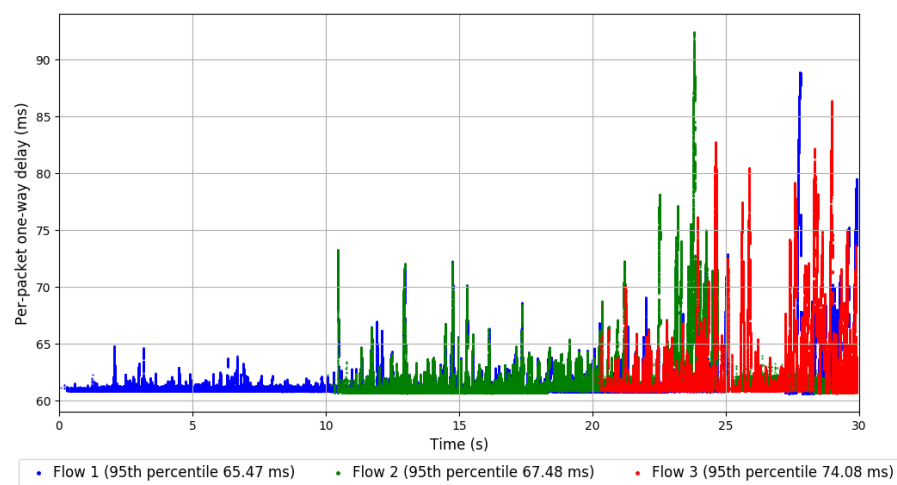
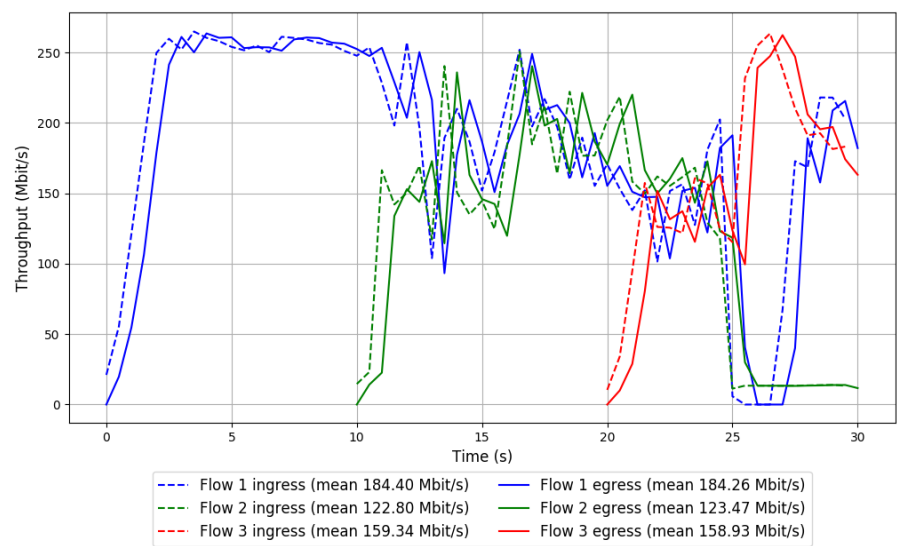
-- Flow 3:

Average throughput: 158.93 Mbit/s

95th percentile per-packet one-way delay: 74.079 ms

Loss rate: 1.50%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-26 07:43:01

End at: 2018-07-26 07:43:31

Local clock offset: 0.235 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-26 11:45:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.99 Mbit/s

95th percentile per-packet one-way delay: 65.632 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 198.02 Mbit/s

95th percentile per-packet one-way delay: 65.051 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 140.64 Mbit/s

95th percentile per-packet one-way delay: 66.776 ms

Loss rate: 0.68%

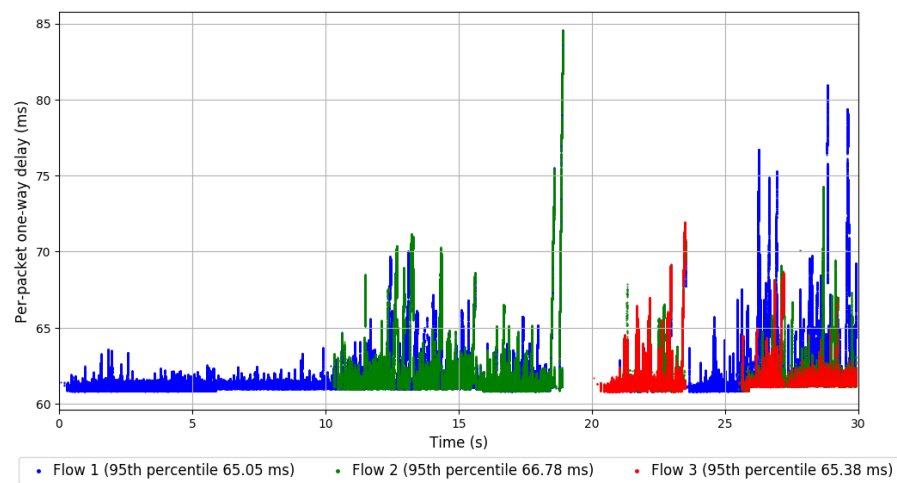
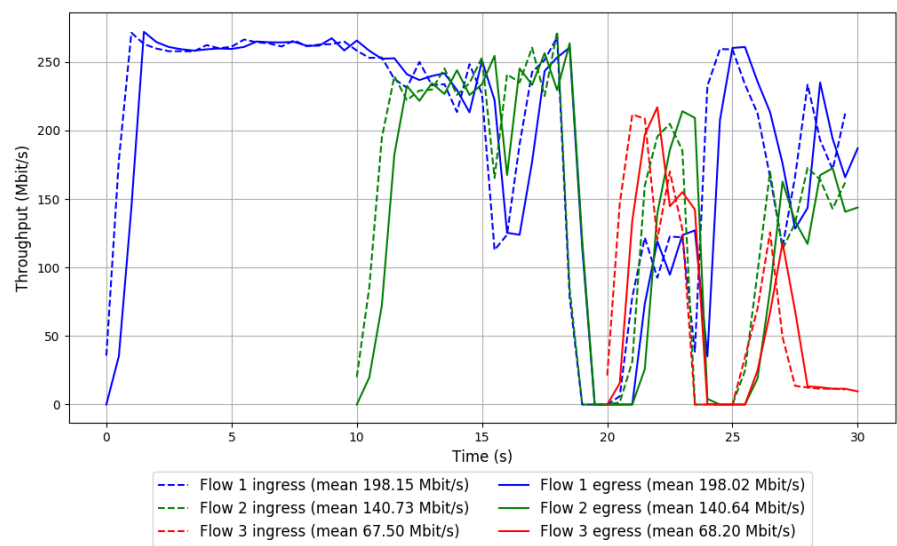
-- Flow 3:

Average throughput: 68.20 Mbit/s

95th percentile per-packet one-way delay: 65.379 ms

Loss rate: 0.21%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-26 08:08:05

End at: 2018-07-26 08:08:35

Local clock offset: 0.269 ms

Remote clock offset: 1.062 ms

Below is generated by plot.py at 2018-07-26 11:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.31 Mbit/s

95th percentile per-packet one-way delay: 66.545 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 200.63 Mbit/s

95th percentile per-packet one-way delay: 65.302 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 132.54 Mbit/s

95th percentile per-packet one-way delay: 68.939 ms

Loss rate: 0.78%

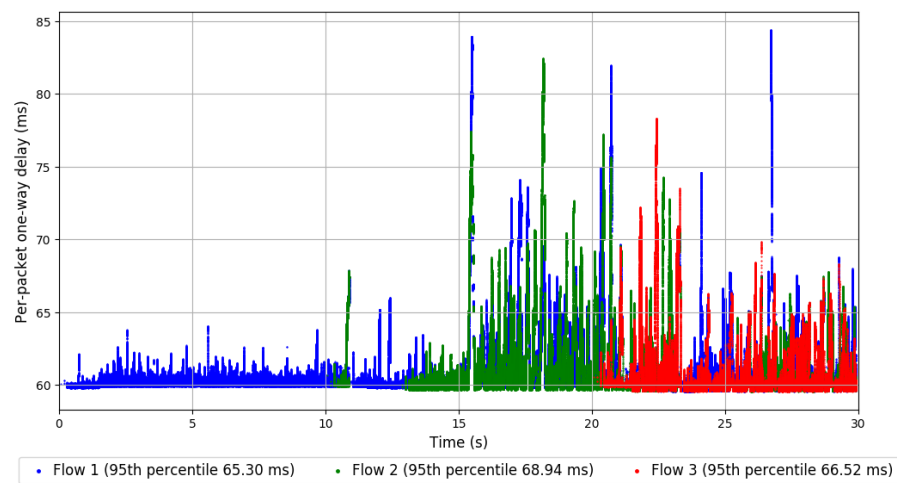
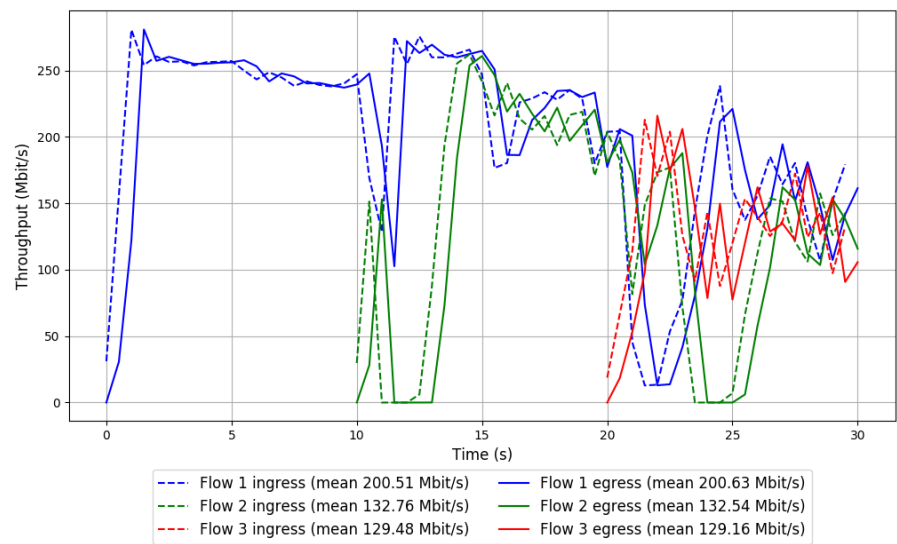
-- Flow 3:

Average throughput: 129.16 Mbit/s

95th percentile per-packet one-way delay: 66.521 ms

Loss rate: 1.48%

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

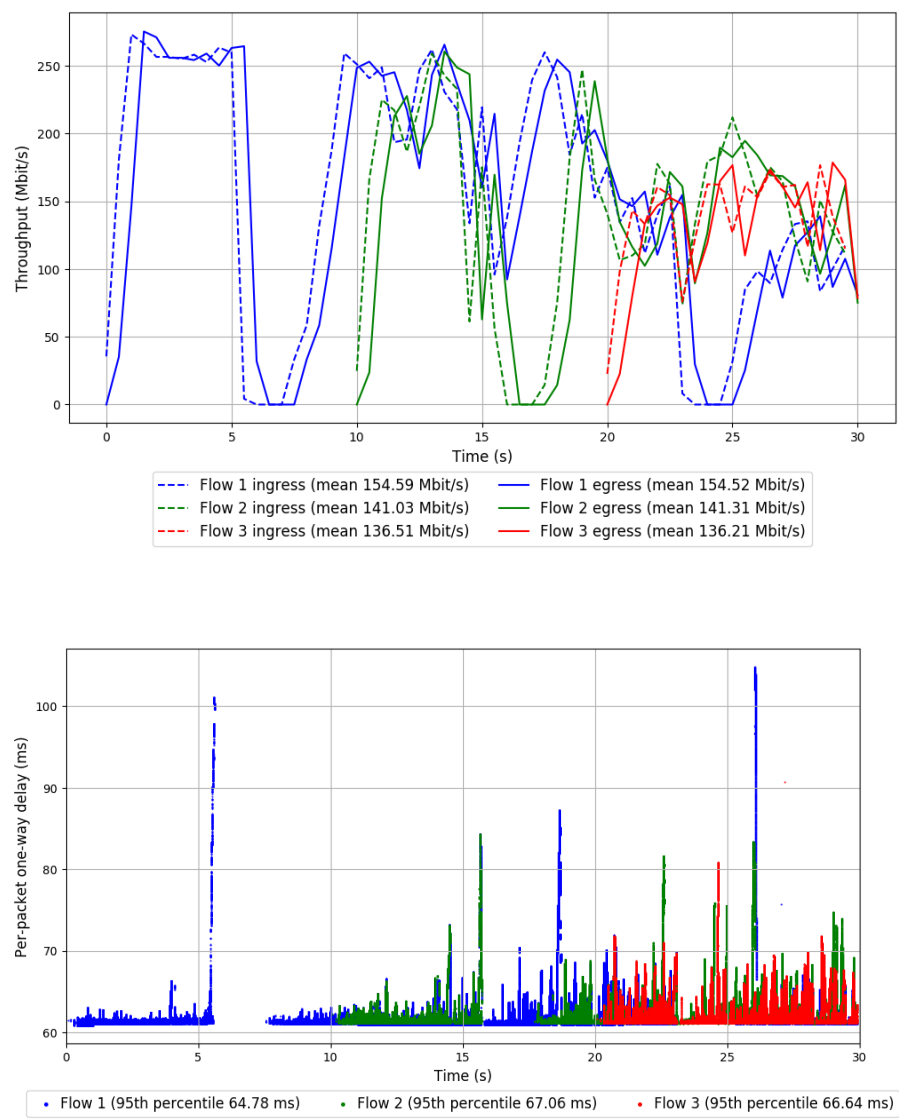


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-26 08:33:16
End at: 2018-07-26 08:33:46
Local clock offset: 0.303 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-26 11:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.17 Mbit/s
95th percentile per-packet one-way delay: 65.981 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 154.52 Mbit/s
95th percentile per-packet one-way delay: 64.783 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 141.31 Mbit/s
95th percentile per-packet one-way delay: 67.061 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 136.21 Mbit/s
95th percentile per-packet one-way delay: 66.641 ms
Loss rate: 1.35%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-26 04:54:13

End at: 2018-07-26 04:54:43

Local clock offset: -0.022 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-07-26 11:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.47 Mbit/s

95th percentile per-packet one-way delay: 89.309 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 181.75 Mbit/s

95th percentile per-packet one-way delay: 90.164 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 137.30 Mbit/s

95th percentile per-packet one-way delay: 87.526 ms

Loss rate: 0.67%

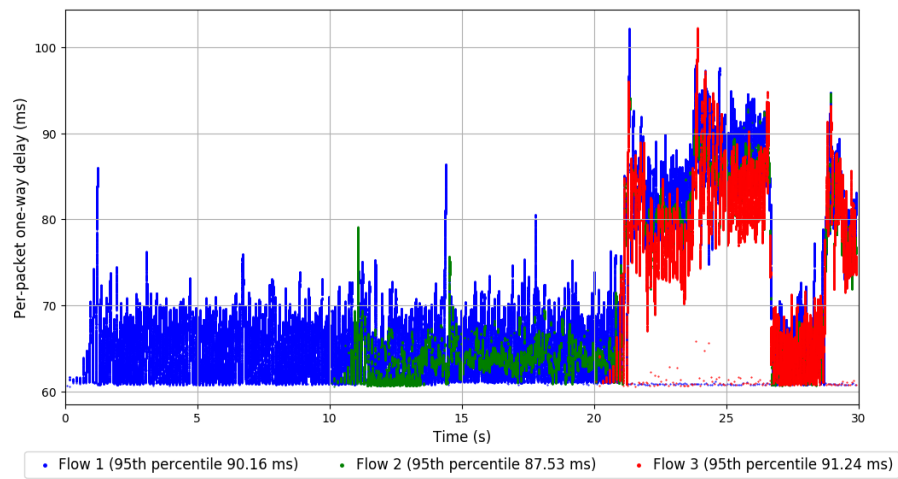
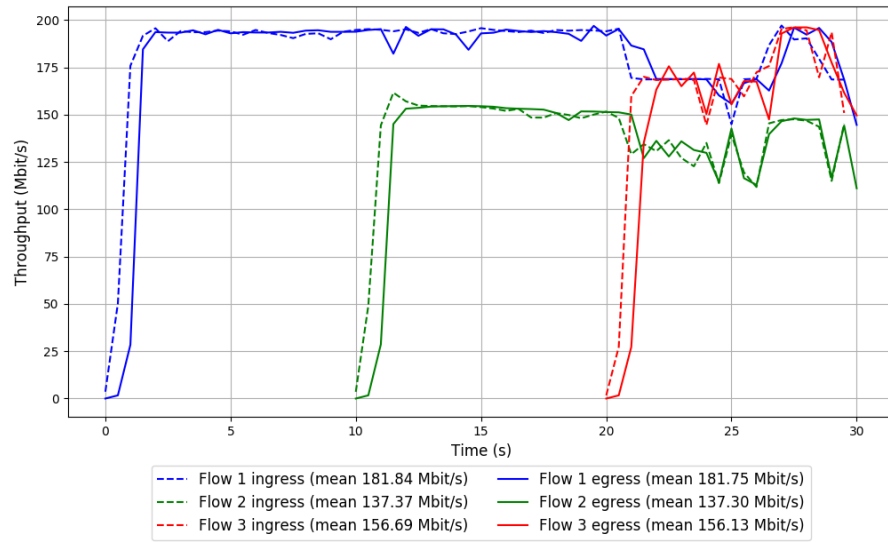
-- Flow 3:

Average throughput: 156.13 Mbit/s

95th percentile per-packet one-way delay: 91.243 ms

Loss rate: 1.59%

Run 1: Report of TCP Vegas — Data Link

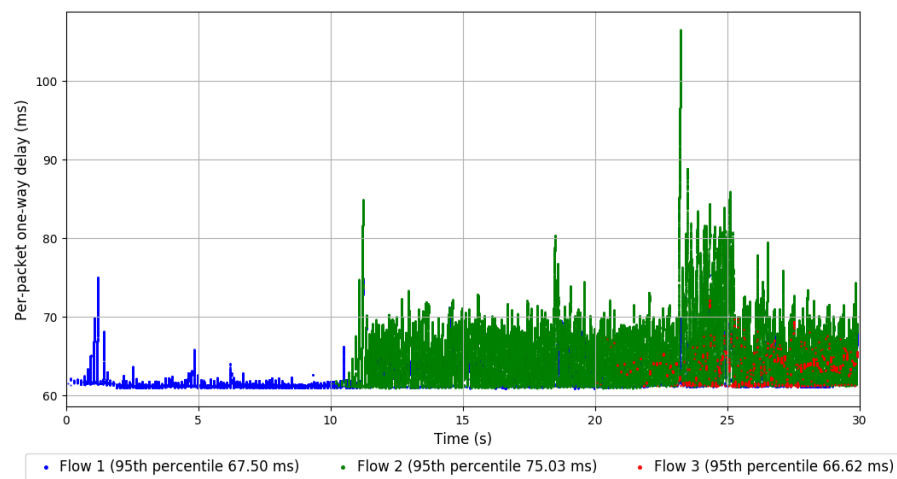
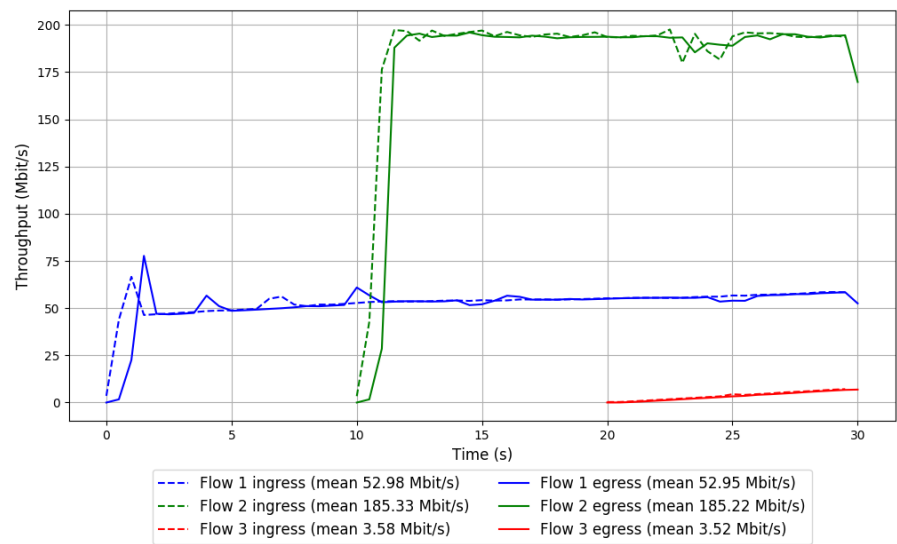


Run 2: Statistics of TCP Vegas

Start at: 2018-07-26 05:19:35
End at: 2018-07-26 05:20:05
Local clock offset: -0.05 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-26 11:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.16 Mbit/s
95th percentile per-packet one-way delay: 73.126 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 67.502 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 185.22 Mbit/s
95th percentile per-packet one-way delay: 75.025 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 66.622 ms
Loss rate: 2.90%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-26 05:44:36

End at: 2018-07-26 05:45:06

Local clock offset: 0.034 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-07-26 11:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 193.13 Mbit/s

95th percentile per-packet one-way delay: 71.717 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 187.75 Mbit/s

95th percentile per-packet one-way delay: 71.769 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 66.198 ms

Loss rate: 0.94%

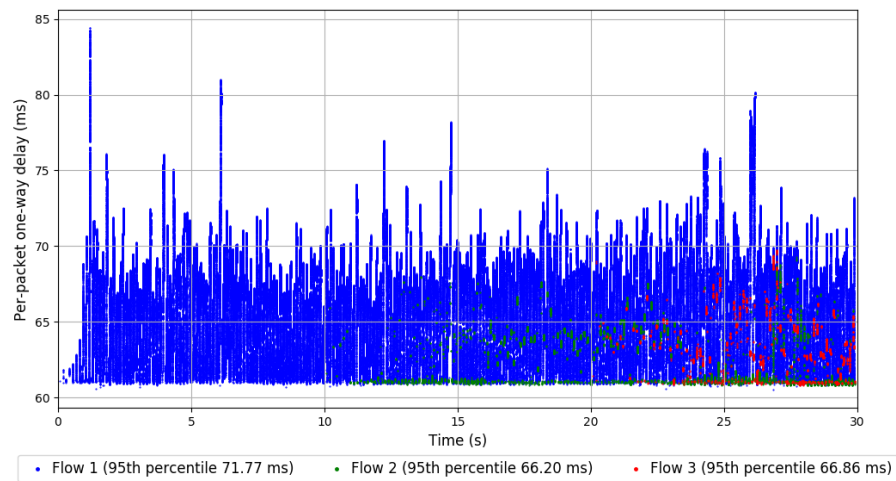
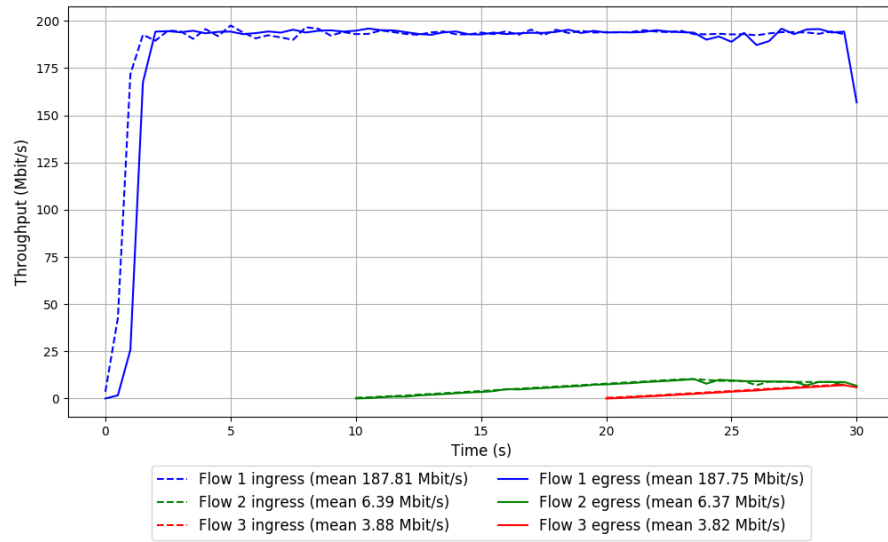
-- Flow 3:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 66.857 ms

Loss rate: 2.74%

Run 3: Report of TCP Vegas — Data Link

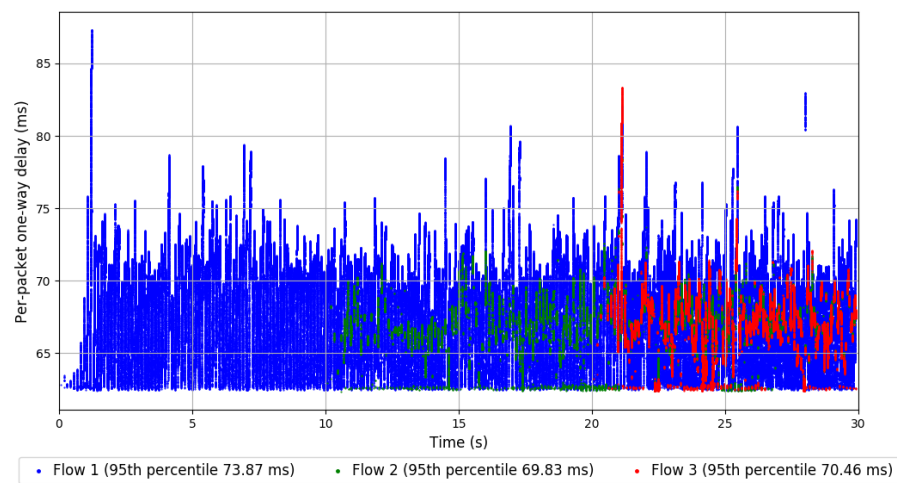
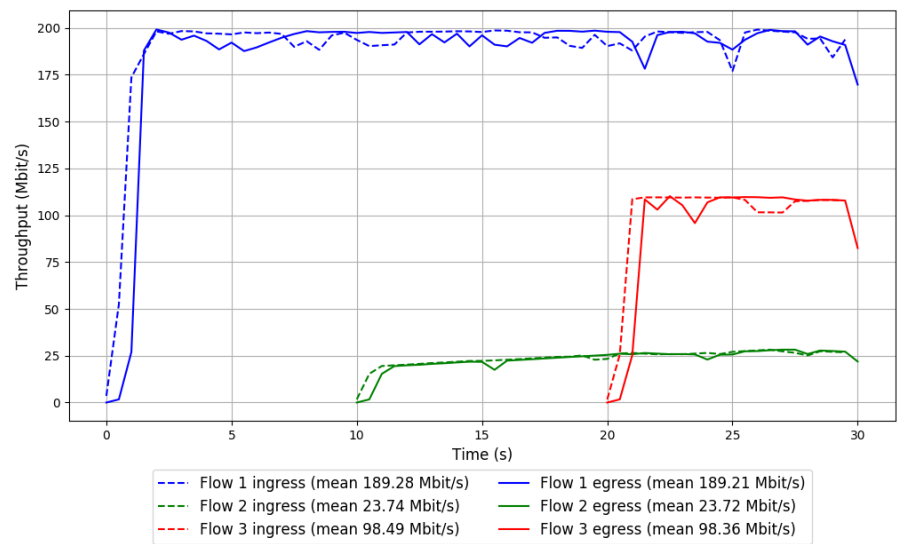


Run 4: Statistics of TCP Vegas

Start at: 2018-07-26 06:09:40
End at: 2018-07-26 06:10:10
Local clock offset: 0.119 ms
Remote clock offset: -1.308 ms

Below is generated by plot.py at 2018-07-26 11:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.31 Mbit/s
95th percentile per-packet one-way delay: 73.504 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 189.21 Mbit/s
95th percentile per-packet one-way delay: 73.873 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 69.833 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 98.36 Mbit/s
95th percentile per-packet one-way delay: 70.456 ms
Loss rate: 1.37%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-26 06:34:42

End at: 2018-07-26 06:35:12

Local clock offset: 0.138 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-07-26 11:50:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 273.72 Mbit/s

95th percentile per-packet one-way delay: 71.161 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 187.83 Mbit/s

95th percentile per-packet one-way delay: 71.512 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 127.75 Mbit/s

95th percentile per-packet one-way delay: 70.102 ms

Loss rate: 0.28%

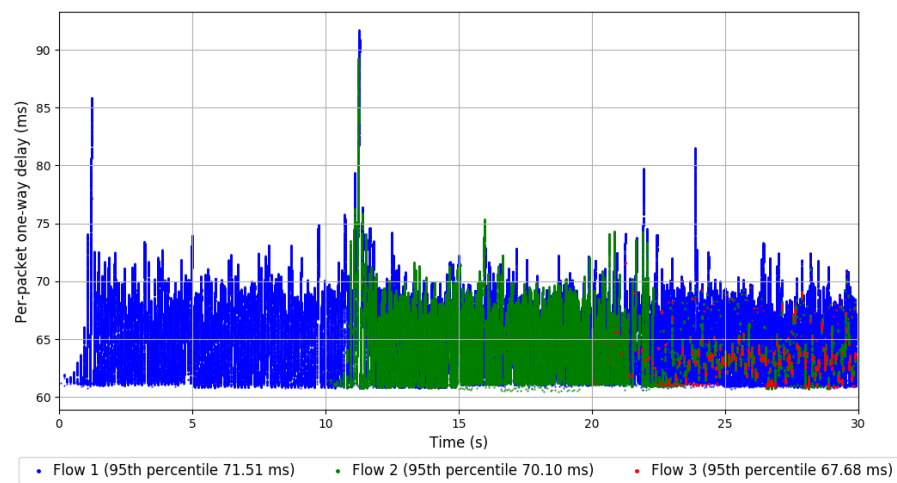
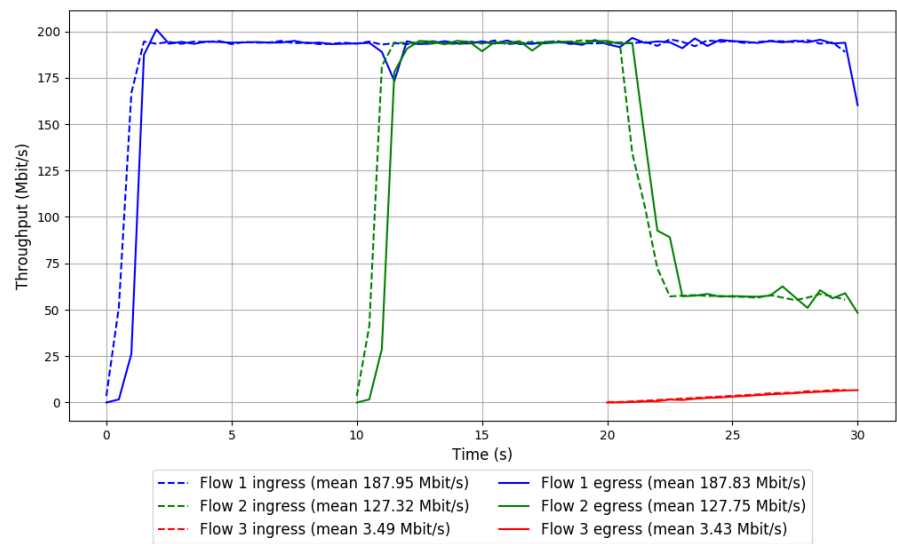
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 67.683 ms

Loss rate: 2.95%

Run 5: Report of TCP Vegas — Data Link

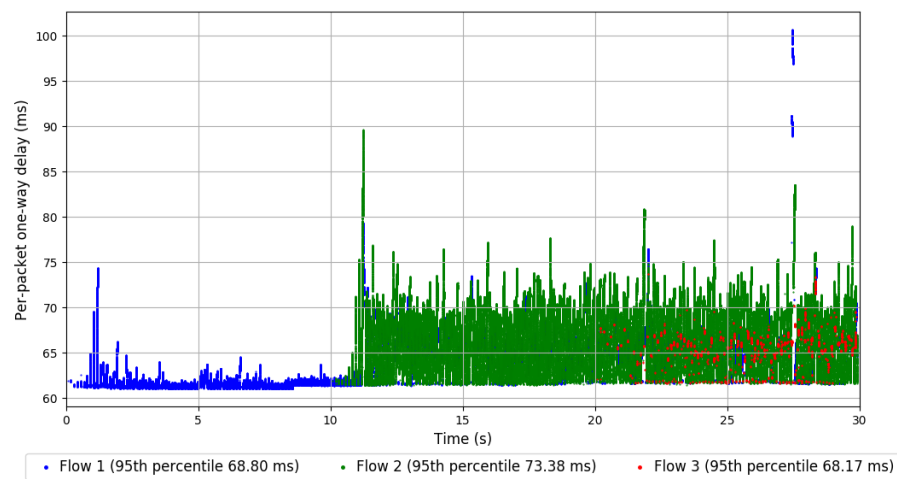
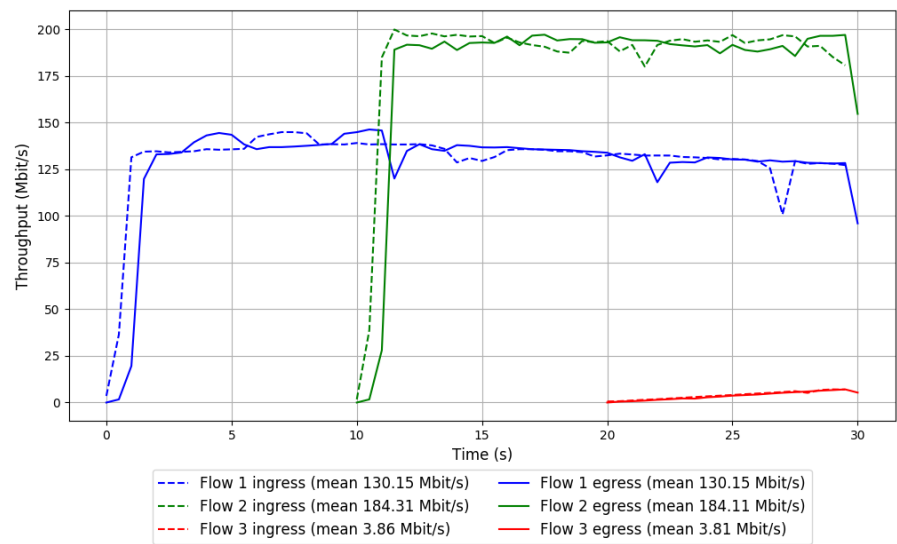


Run 6: Statistics of TCP Vegas

Start at: 2018-07-26 06:59:58
End at: 2018-07-26 07:00:28
Local clock offset: 0.199 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-26 11:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.79 Mbit/s
95th percentile per-packet one-way delay: 72.249 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 130.15 Mbit/s
95th percentile per-packet one-way delay: 68.797 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 184.11 Mbit/s
95th percentile per-packet one-way delay: 73.380 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 68.167 ms
Loss rate: 2.41%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-26 07:25:10

End at: 2018-07-26 07:25:40

Local clock offset: 0.217 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at 2018-07-26 11:50:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.18 Mbit/s

95th percentile per-packet one-way delay: 70.382 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 155.69 Mbit/s

95th percentile per-packet one-way delay: 69.503 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 162.46 Mbit/s

95th percentile per-packet one-way delay: 70.863 ms

Loss rate: 0.30%

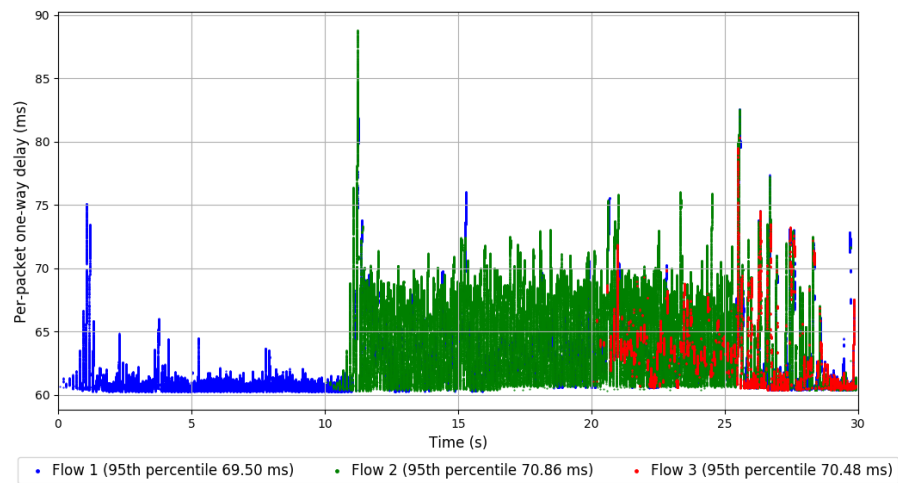
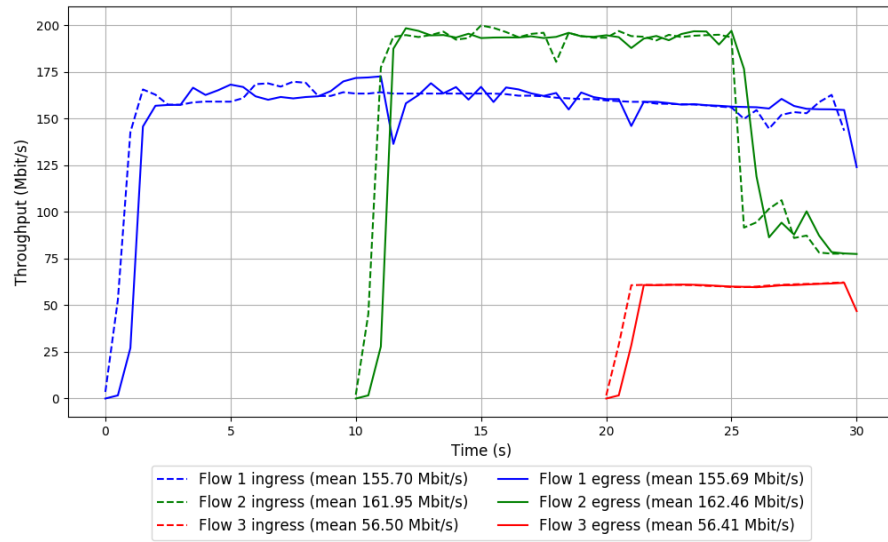
-- Flow 3:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 70.480 ms

Loss rate: 1.39%

Run 7: Report of TCP Vegas — Data Link

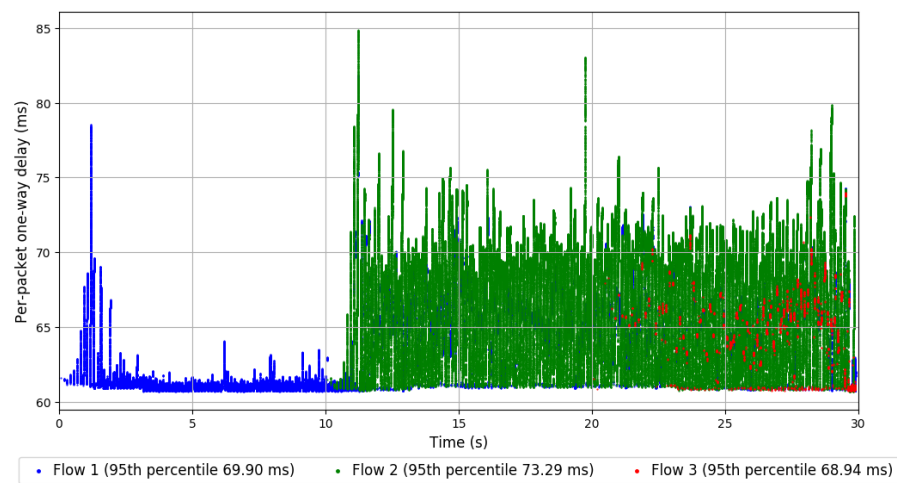
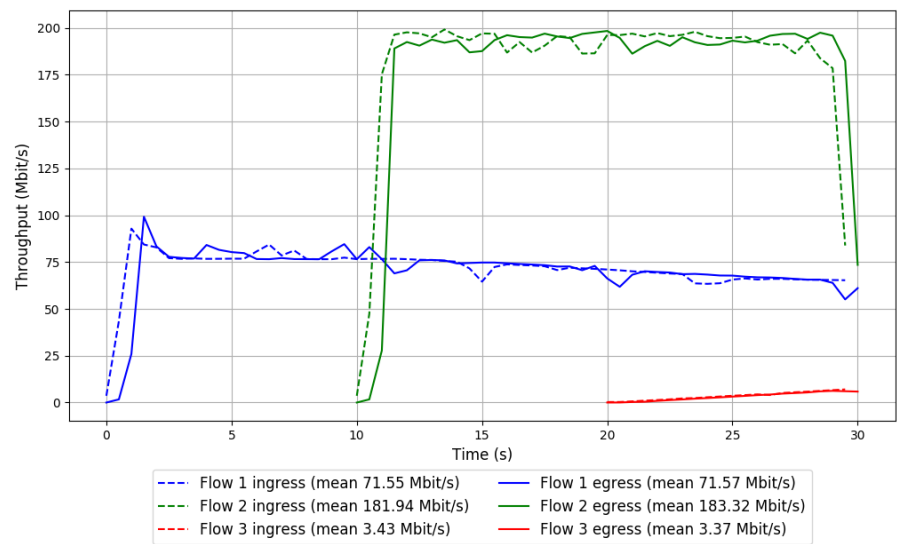


Run 8: Statistics of TCP Vegas

Start at: 2018-07-26 07:50:24
End at: 2018-07-26 07:50:54
Local clock offset: 0.288 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-26 11:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.18 Mbit/s
95th percentile per-packet one-way delay: 72.511 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 69.900 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 183.32 Mbit/s
95th percentile per-packet one-way delay: 73.293 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 68.935 ms
Loss rate: 2.96%

Run 8: Report of TCP Vegas — Data Link

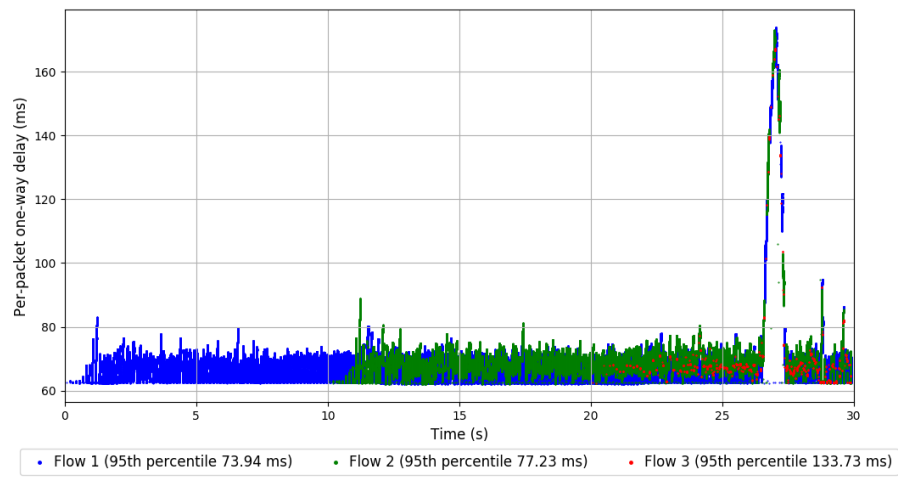
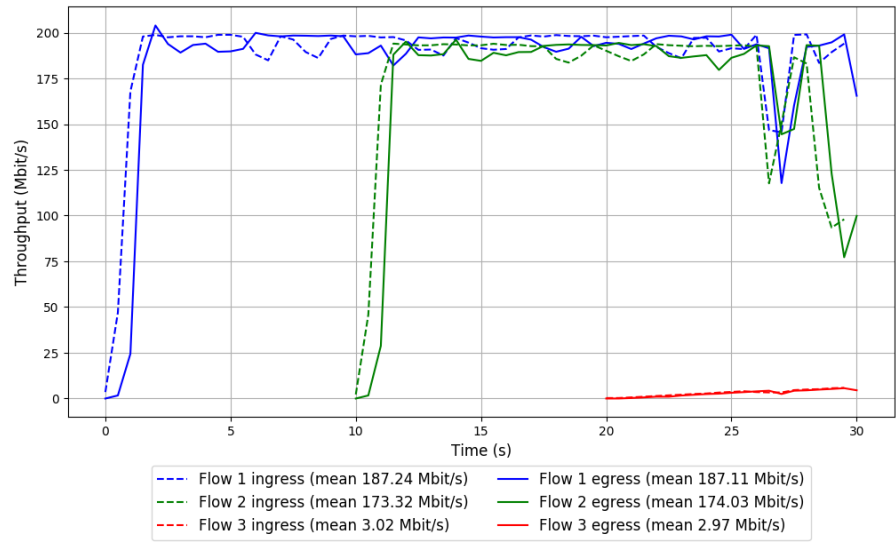


Run 9: Statistics of TCP Vegas

Start at: 2018-07-26 08:15:35
End at: 2018-07-26 08:16:05
Local clock offset: 0.266 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-07-26 11:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.58 Mbit/s
95th percentile per-packet one-way delay: 75.404 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 187.11 Mbit/s
95th percentile per-packet one-way delay: 73.943 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 174.03 Mbit/s
95th percentile per-packet one-way delay: 77.229 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 133.727 ms
Loss rate: 2.88%

Run 9: Report of TCP Vegas — Data Link

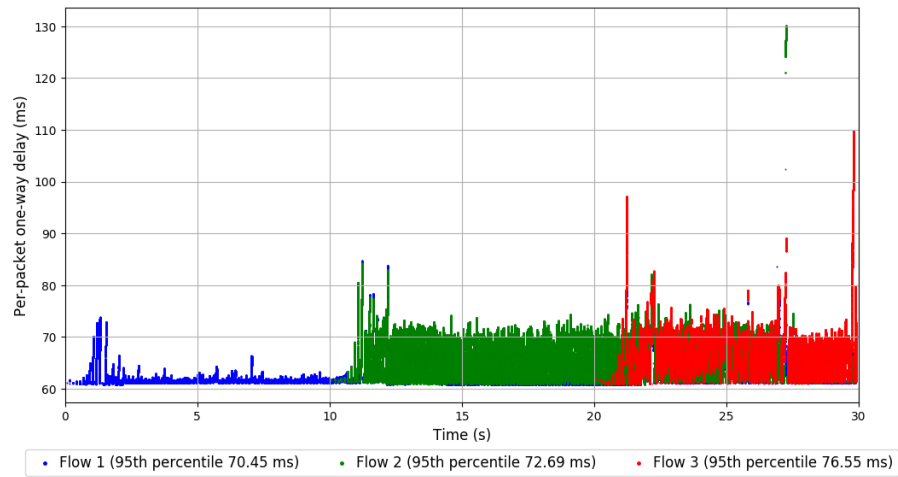
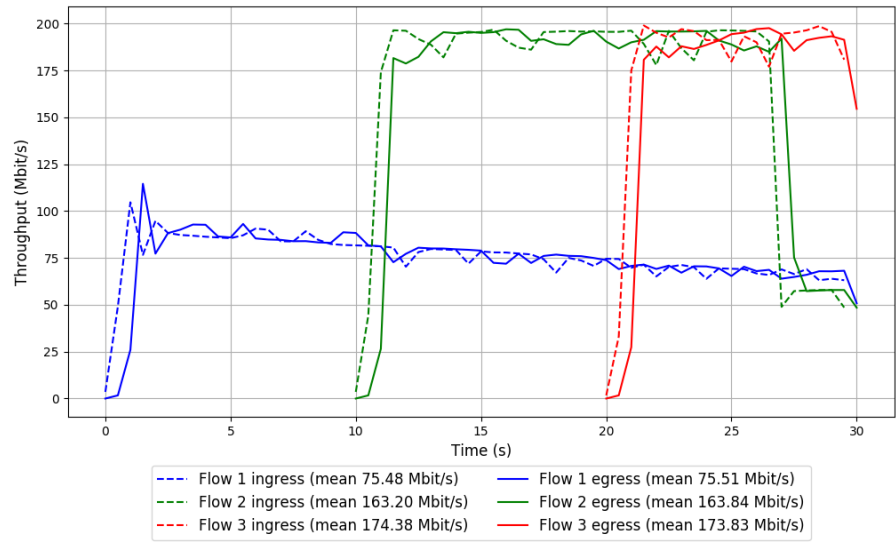


Run 10: Statistics of TCP Vegas

Start at: 2018-07-26 08:40:35
End at: 2018-07-26 08:41:05
Local clock offset: 0.304 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-26 11:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.62 Mbit/s
95th percentile per-packet one-way delay: 73.058 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 75.51 Mbit/s
95th percentile per-packet one-way delay: 70.447 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 163.84 Mbit/s
95th percentile per-packet one-way delay: 72.691 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 173.83 Mbit/s
95th percentile per-packet one-way delay: 76.550 ms
Loss rate: 1.53%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-26 04:41:48

End at: 2018-07-26 04:42:18

Local clock offset: -0.046 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-26 11:54:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.59 Mbit/s

95th percentile per-packet one-way delay: 181.056 ms

Loss rate: 3.83%

-- Flow 1:

Average throughput: 194.32 Mbit/s

95th percentile per-packet one-way delay: 190.215 ms

Loss rate: 4.49%

-- Flow 2:

Average throughput: 120.27 Mbit/s

95th percentile per-packet one-way delay: 171.396 ms

Loss rate: 1.58%

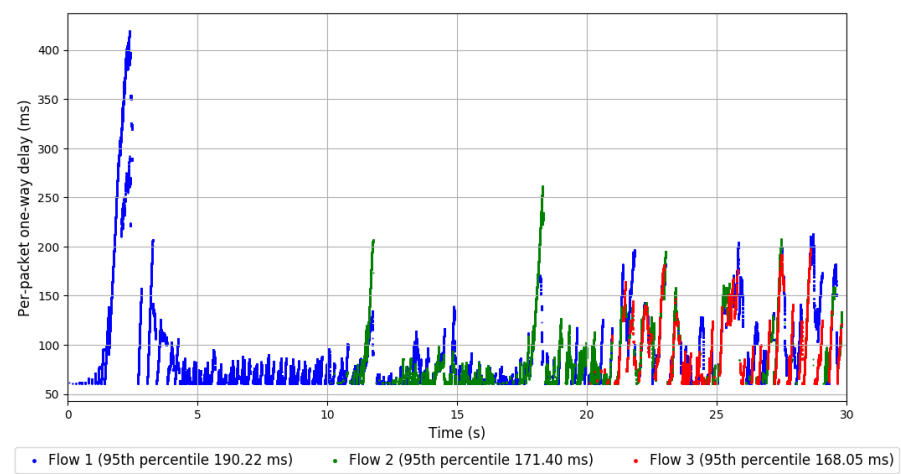
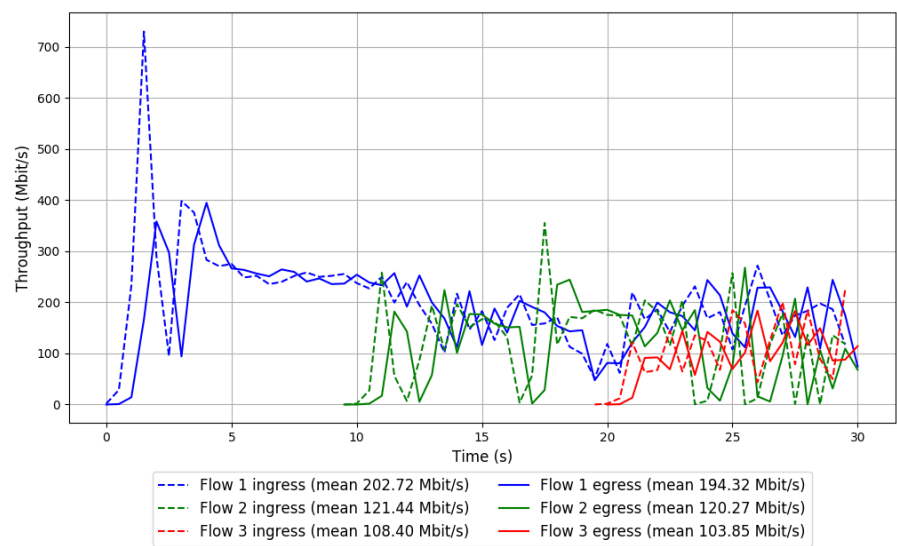
-- Flow 3:

Average throughput: 103.85 Mbit/s

95th percentile per-packet one-way delay: 168.052 ms

Loss rate: 5.23%

Run 1: Report of Verus — Data Link

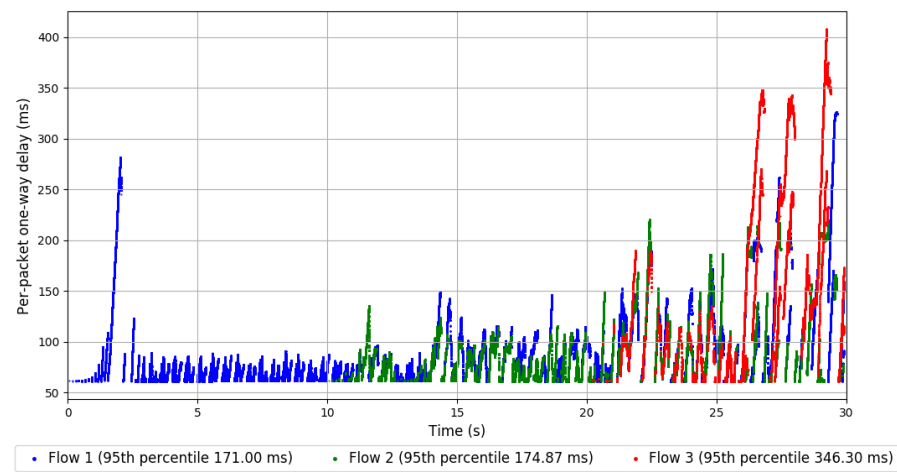
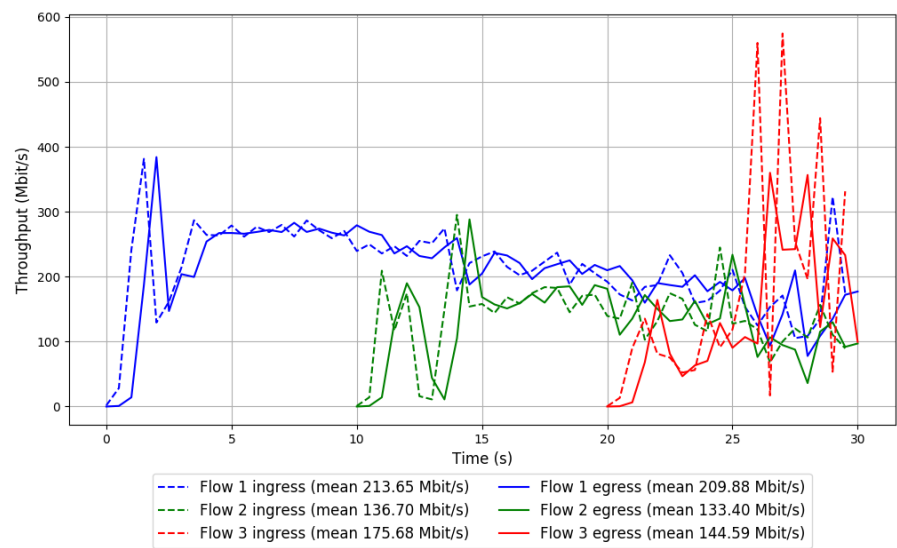


Run 2: Statistics of Verus

Start at: 2018-07-26 05:07:01
End at: 2018-07-26 05:07:31
Local clock offset: -0.061 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-26 11:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.99 Mbit/s
95th percentile per-packet one-way delay: 243.153 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 209.88 Mbit/s
95th percentile per-packet one-way delay: 170.999 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 133.40 Mbit/s
95th percentile per-packet one-way delay: 174.869 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 144.59 Mbit/s
95th percentile per-packet one-way delay: 346.295 ms
Loss rate: 18.72%

Run 2: Report of Verus — Data Link

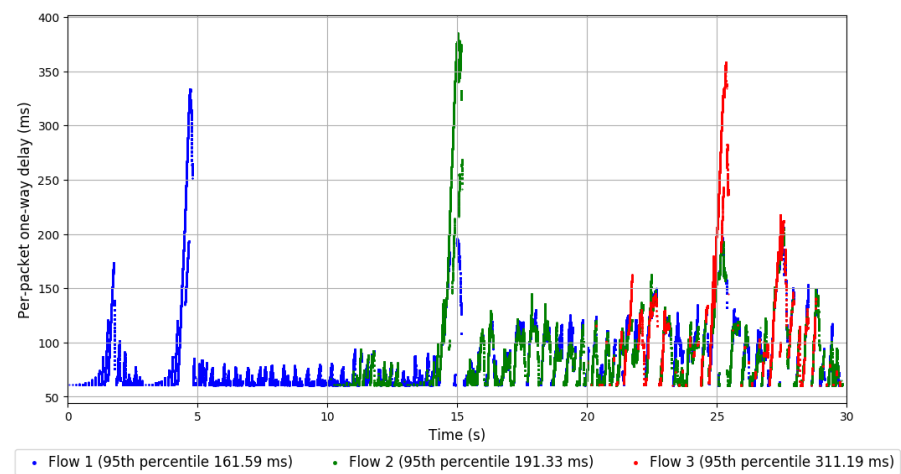
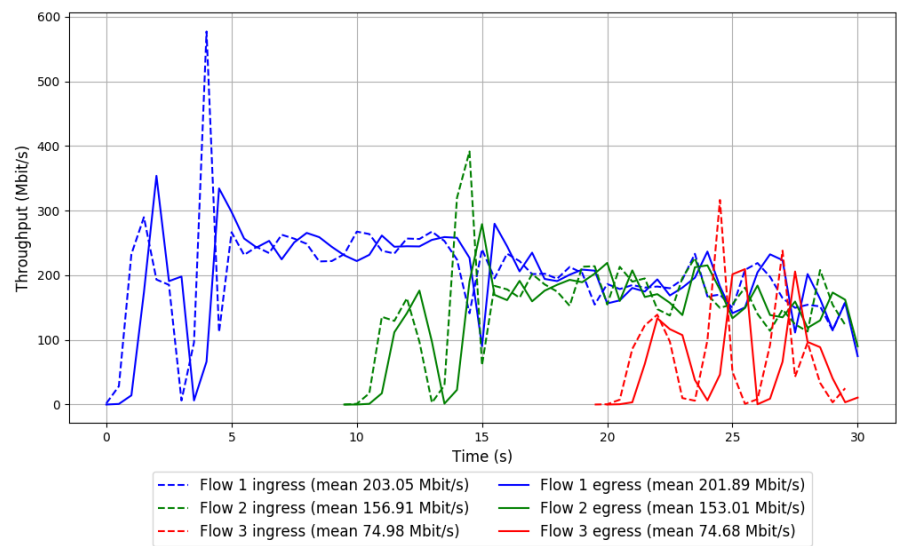


Run 3: Statistics of Verus

Start at: 2018-07-26 05:32:04
End at: 2018-07-26 05:32:34
Local clock offset: -0.034 ms
Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-26 11:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.65 Mbit/s
95th percentile per-packet one-way delay: 185.580 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 201.89 Mbit/s
95th percentile per-packet one-way delay: 161.595 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 153.01 Mbit/s
95th percentile per-packet one-way delay: 191.328 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 311.195 ms
Loss rate: 1.87%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-26 05:57:07

End at: 2018-07-26 05:57:37

Local clock offset: 0.127 ms

Remote clock offset: 1.038 ms

Below is generated by plot.py at 2018-07-26 11:56:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.04 Mbit/s

95th percentile per-packet one-way delay: 171.273 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 210.44 Mbit/s

95th percentile per-packet one-way delay: 145.816 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 174.13 Mbit/s

95th percentile per-packet one-way delay: 162.564 ms

Loss rate: 0.73%

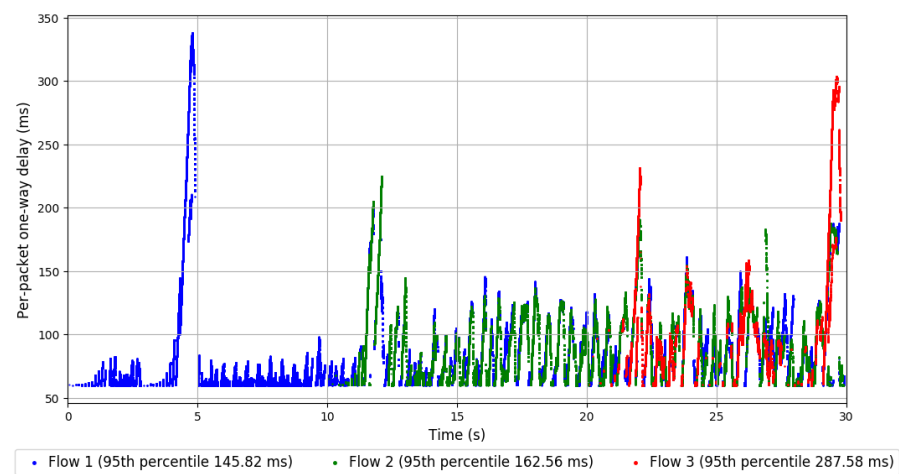
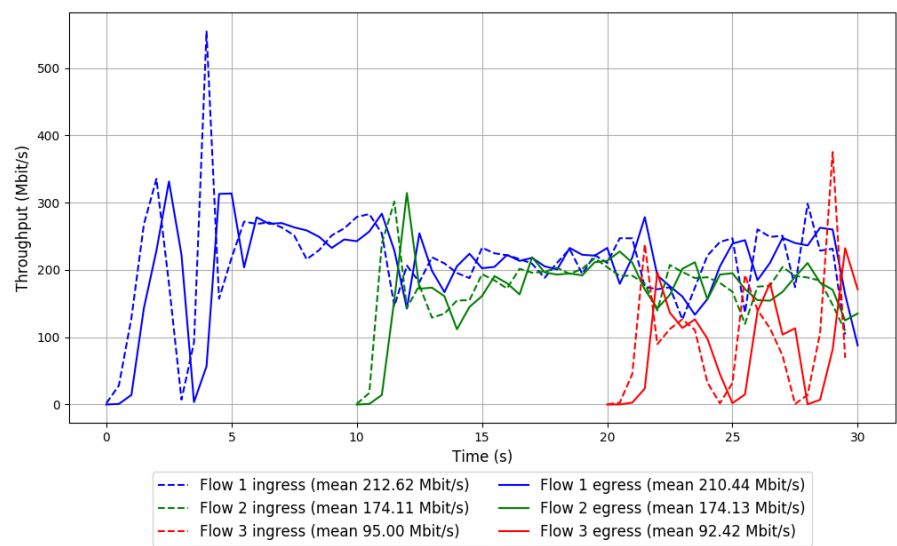
-- Flow 3:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 287.581 ms

Loss rate: 4.72%

Run 4: Report of Verus — Data Link

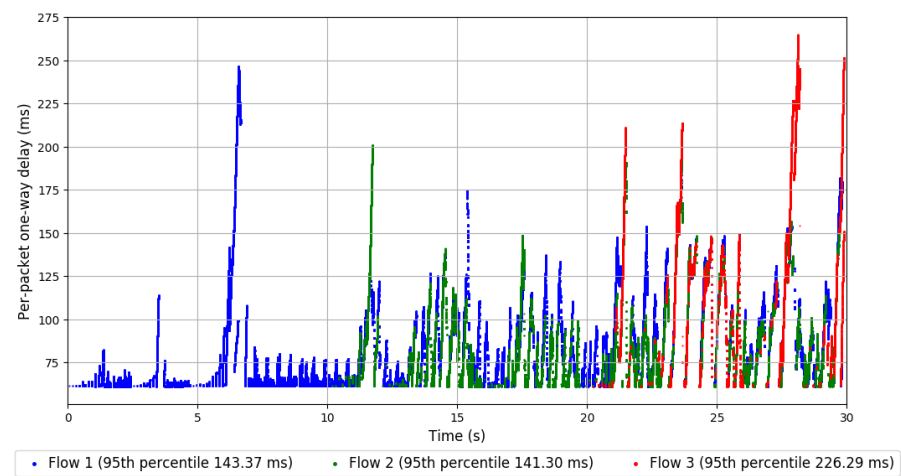
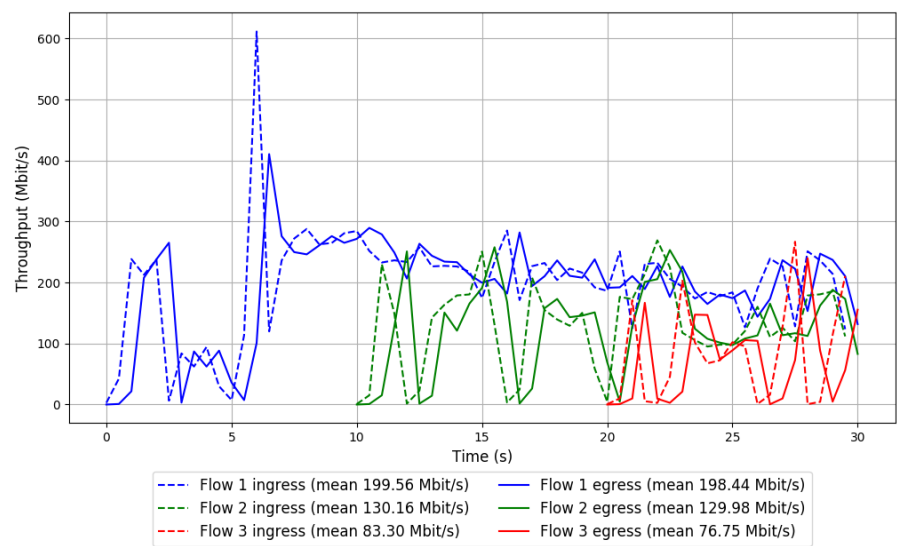


Run 5: Statistics of Verus

Start at: 2018-07-26 06:22:13
End at: 2018-07-26 06:22:43
Local clock offset: 0.107 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-26 11:56:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.08 Mbit/s
95th percentile per-packet one-way delay: 154.390 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 198.44 Mbit/s
95th percentile per-packet one-way delay: 143.368 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 129.98 Mbit/s
95th percentile per-packet one-way delay: 141.300 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 226.291 ms
Loss rate: 6.98%

Run 5: Report of Verus — Data Link

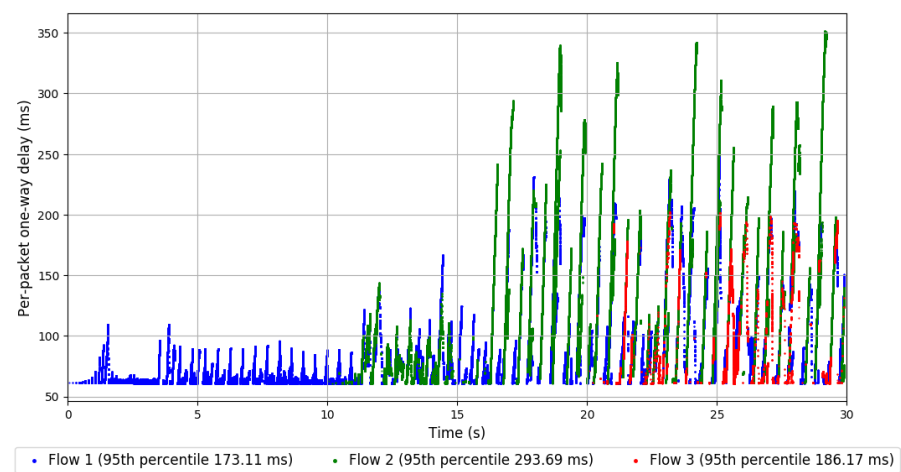
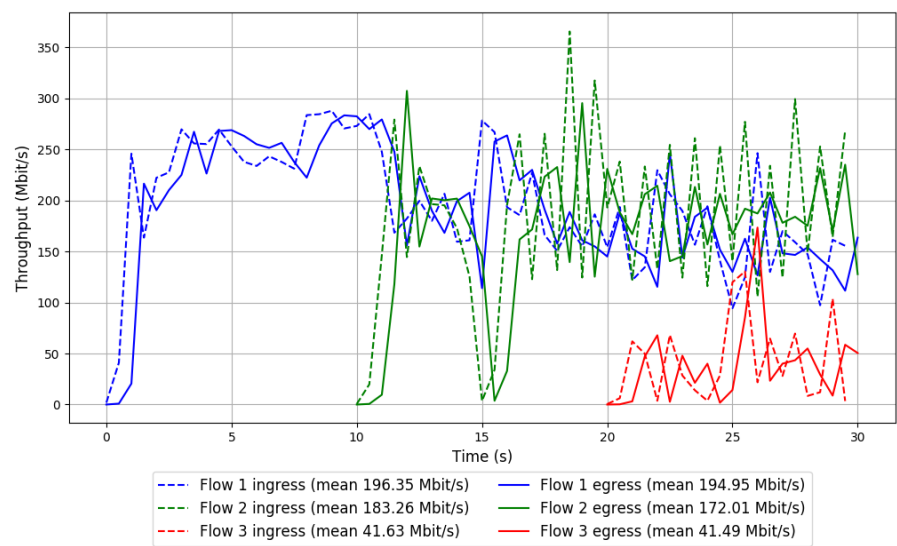


Run 6: Statistics of Verus

Start at: 2018-07-26 06:47:24
End at: 2018-07-26 06:47:54
Local clock offset: 0.175 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-26 11:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.89 Mbit/s
95th percentile per-packet one-way delay: 238.069 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 194.95 Mbit/s
95th percentile per-packet one-way delay: 173.110 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 172.01 Mbit/s
95th percentile per-packet one-way delay: 293.694 ms
Loss rate: 6.30%
-- Flow 3:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 186.173 ms
Loss rate: 1.53%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-26 07:12:39

End at: 2018-07-26 07:13:09

Local clock offset: 0.213 ms

Remote clock offset: 1.209 ms

Below is generated by plot.py at 2018-07-26 11:57:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.16 Mbit/s

95th percentile per-packet one-way delay: 204.731 ms

Loss rate: 2.67%

-- Flow 1:

Average throughput: 212.15 Mbit/s

95th percentile per-packet one-way delay: 202.561 ms

Loss rate: 2.65%

-- Flow 2:

Average throughput: 103.22 Mbit/s

95th percentile per-packet one-way delay: 192.520 ms

Loss rate: 2.14%

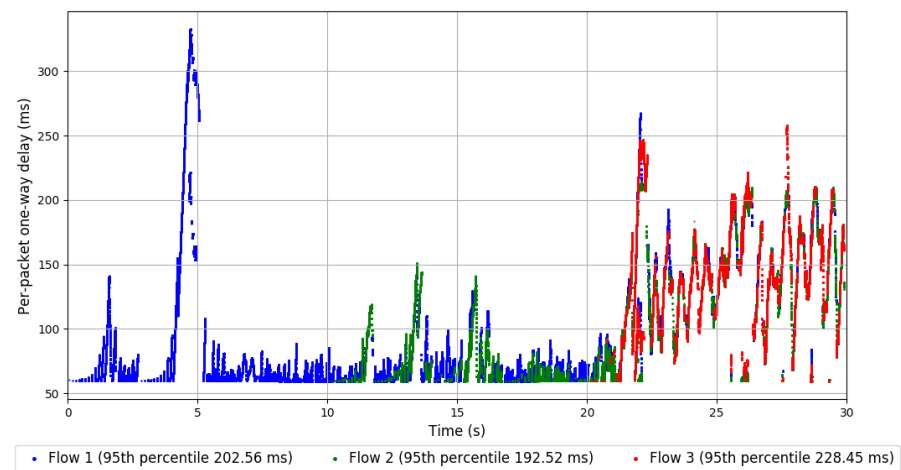
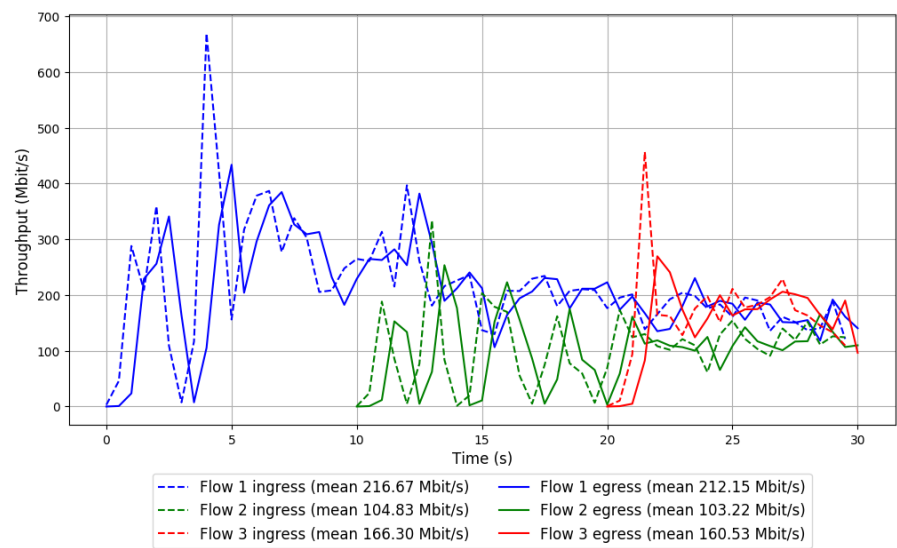
-- Flow 3:

Average throughput: 160.53 Mbit/s

95th percentile per-packet one-way delay: 228.449 ms

Loss rate: 3.44%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-26 07:37:56

End at: 2018-07-26 07:38:26

Local clock offset: 0.225 ms

Remote clock offset: 1.176 ms

Below is generated by plot.py at 2018-07-26 11:58:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.62 Mbit/s

95th percentile per-packet one-way delay: 181.035 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 195.14 Mbit/s

95th percentile per-packet one-way delay: 158.939 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 132.73 Mbit/s

95th percentile per-packet one-way delay: 225.680 ms

Loss rate: 3.03%

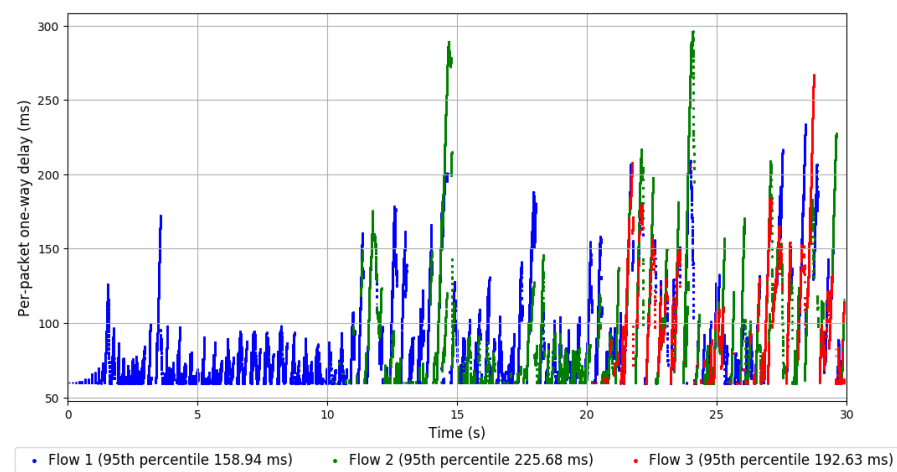
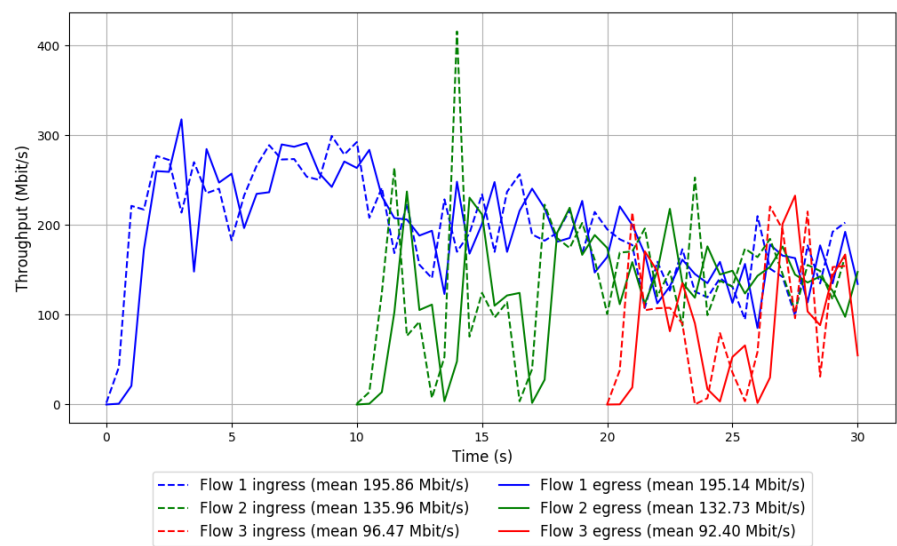
-- Flow 3:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 192.630 ms

Loss rate: 5.47%

Run 8: Report of Verus — Data Link

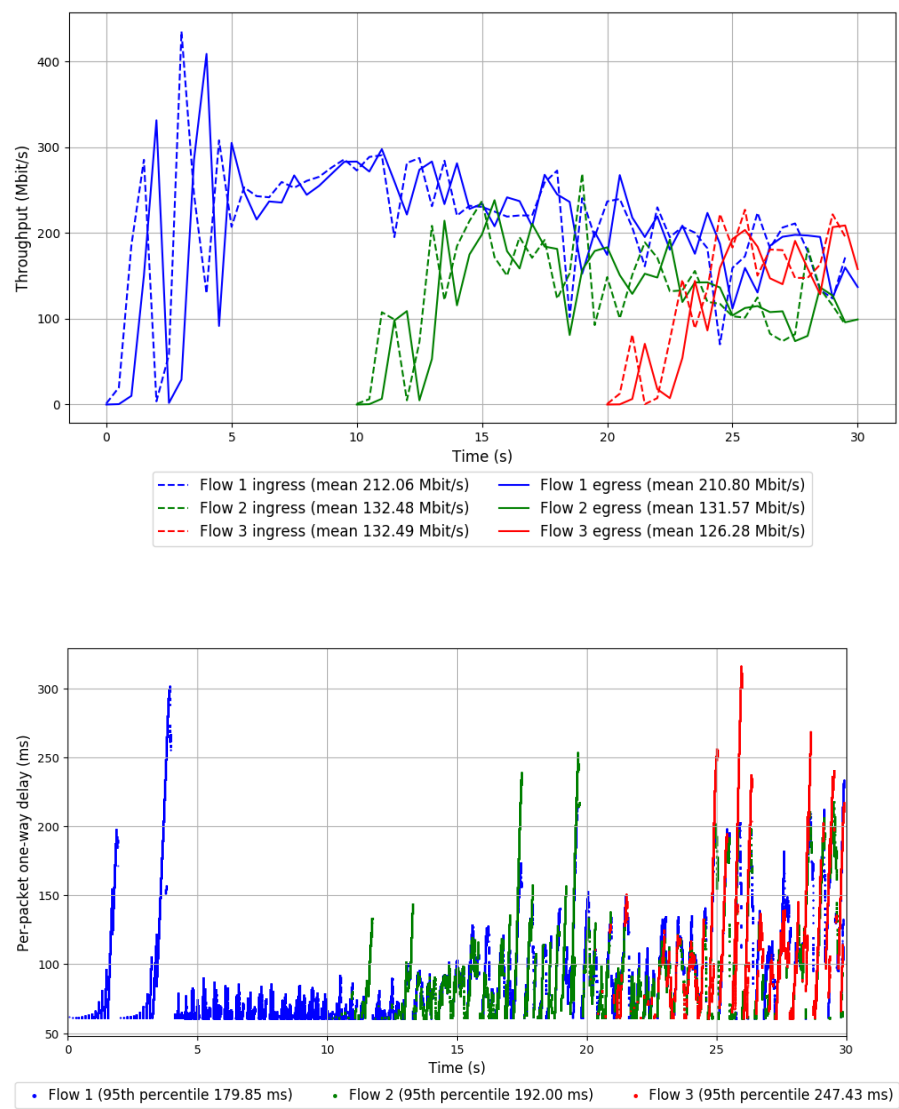


Run 9: Statistics of Verus

Start at: 2018-07-26 08:03:02
End at: 2018-07-26 08:03:33
Local clock offset: 0.289 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-26 12:01:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.31 Mbit/s
95th percentile per-packet one-way delay: 196.472 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 210.80 Mbit/s
95th percentile per-packet one-way delay: 179.854 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 131.57 Mbit/s
95th percentile per-packet one-way delay: 192.000 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 126.28 Mbit/s
95th percentile per-packet one-way delay: 247.431 ms
Loss rate: 3.87%

Run 9: Report of Verus — Data Link

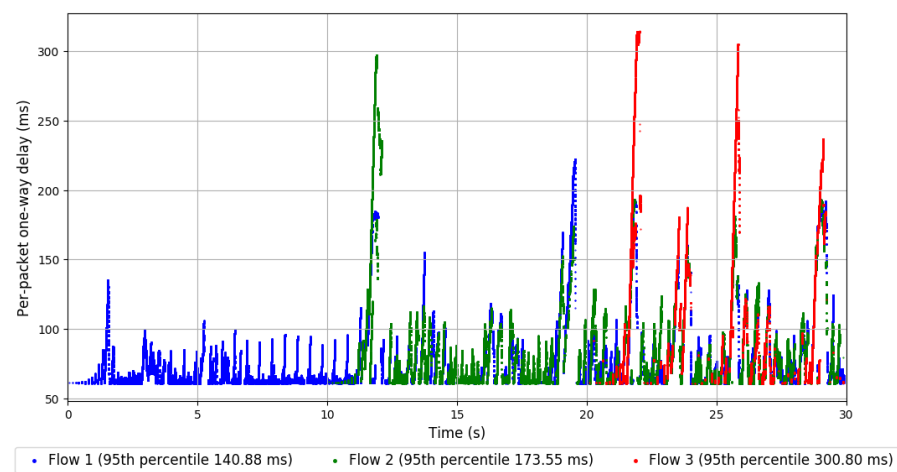
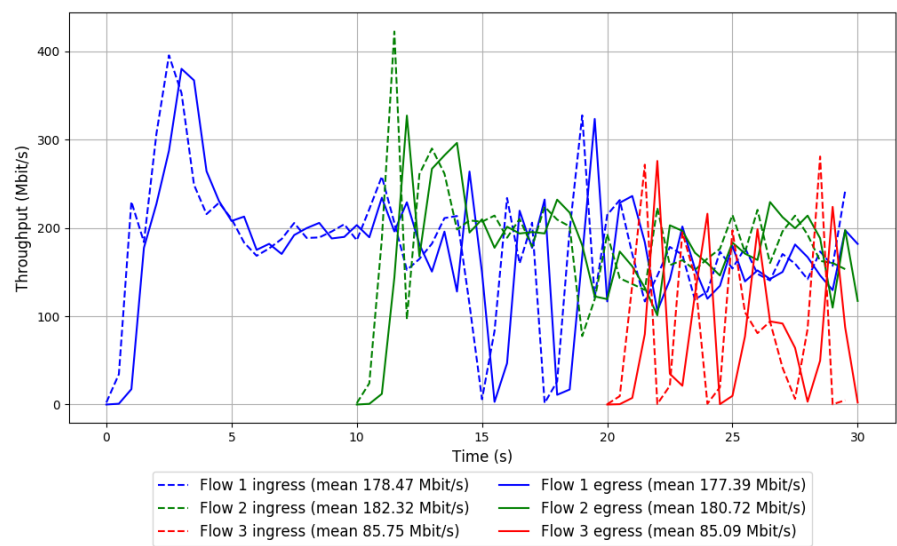


Run 10: Statistics of Verus

Start at: 2018-07-26 08:28:19
End at: 2018-07-26 08:28:49
Local clock offset: 0.31 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-26 12:01:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.28 Mbit/s
95th percentile per-packet one-way delay: 179.253 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 177.39 Mbit/s
95th percentile per-packet one-way delay: 140.884 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 180.72 Mbit/s
95th percentile per-packet one-way delay: 173.549 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 300.800 ms
Loss rate: 2.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-26 04:49:38

End at: 2018-07-26 04:50:08

Local clock offset: -0.008 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-07-26 12:05:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 466.70 Mbit/s

95th percentile per-packet one-way delay: 125.682 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 293.73 Mbit/s

95th percentile per-packet one-way delay: 123.656 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 233.06 Mbit/s

95th percentile per-packet one-way delay: 160.395 ms

Loss rate: 0.78%

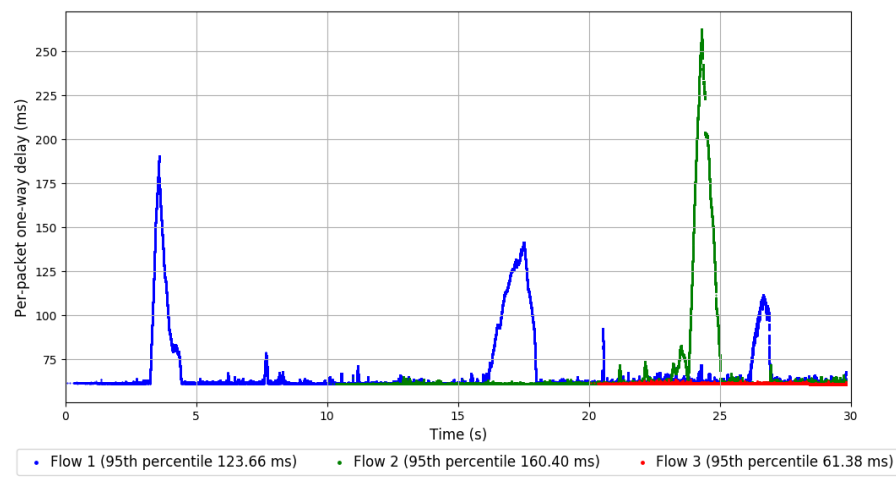
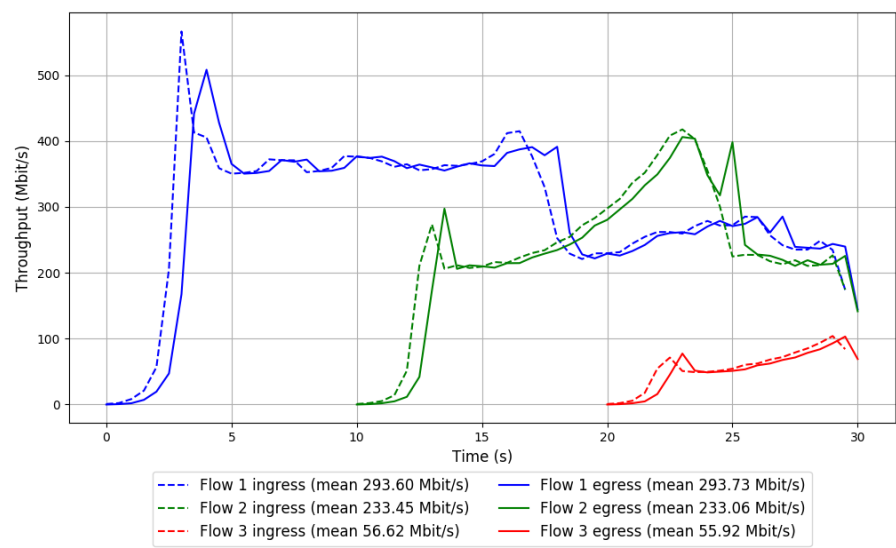
-- Flow 3:

Average throughput: 55.92 Mbit/s

95th percentile per-packet one-way delay: 61.377 ms

Loss rate: 2.46%

Run 1: Report of PCC-Vivace — Data Link

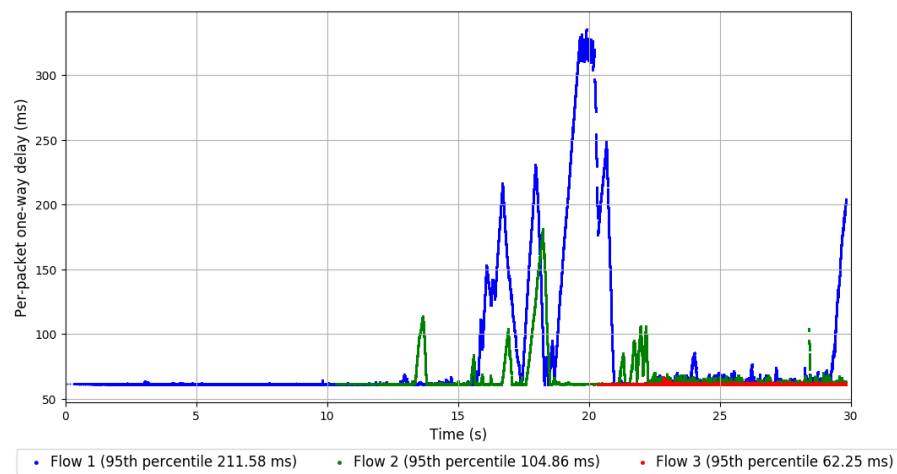
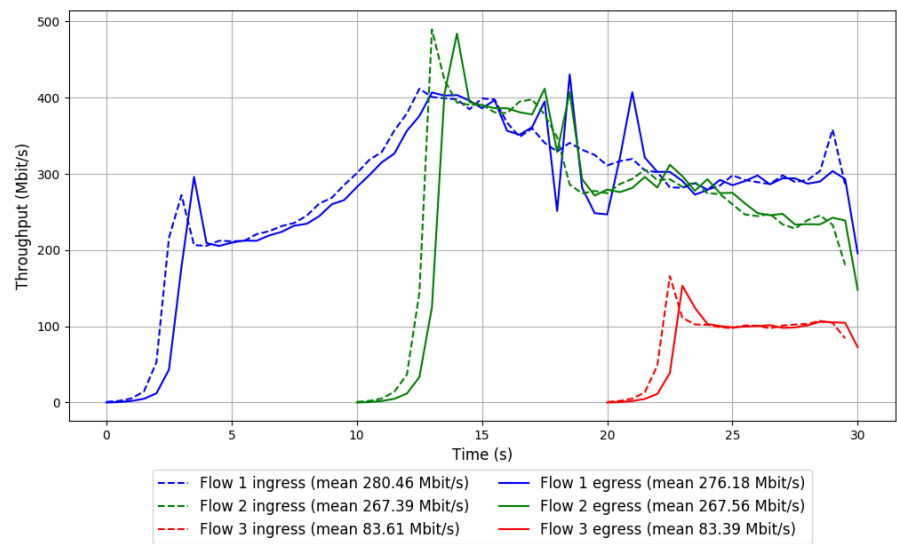


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-26 05:15:03
End at: 2018-07-26 05:15:33
Local clock offset: -0.019 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-07-26 12:06:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 481.04 Mbit/s
95th percentile per-packet one-way delay: 177.668 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 276.18 Mbit/s
95th percentile per-packet one-way delay: 211.579 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 267.56 Mbit/s
95th percentile per-packet one-way delay: 104.857 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 62.246 ms
Loss rate: 1.52%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-26 05:40:00

End at: 2018-07-26 05:40:30

Local clock offset: -0.004 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-26 12:06:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 469.01 Mbit/s

95th percentile per-packet one-way delay: 176.491 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 268.89 Mbit/s

95th percentile per-packet one-way delay: 214.233 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 220.23 Mbit/s

95th percentile per-packet one-way delay: 67.312 ms

Loss rate: 0.68%

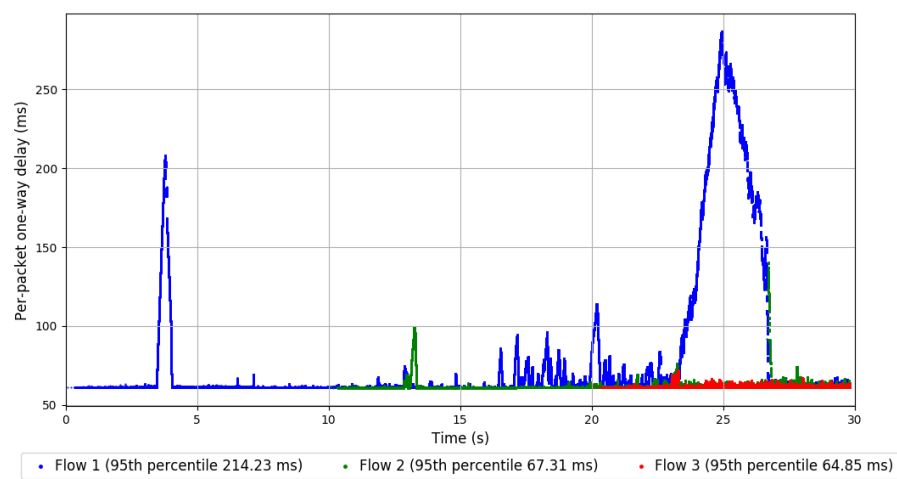
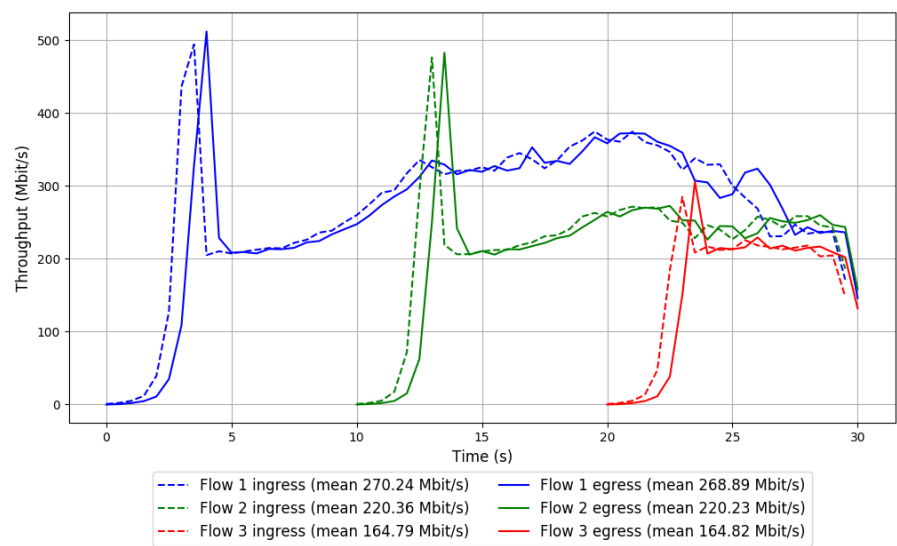
-- Flow 3:

Average throughput: 164.82 Mbit/s

95th percentile per-packet one-way delay: 64.847 ms

Loss rate: 1.25%

Run 3: Report of PCC-Vivace — Data Link

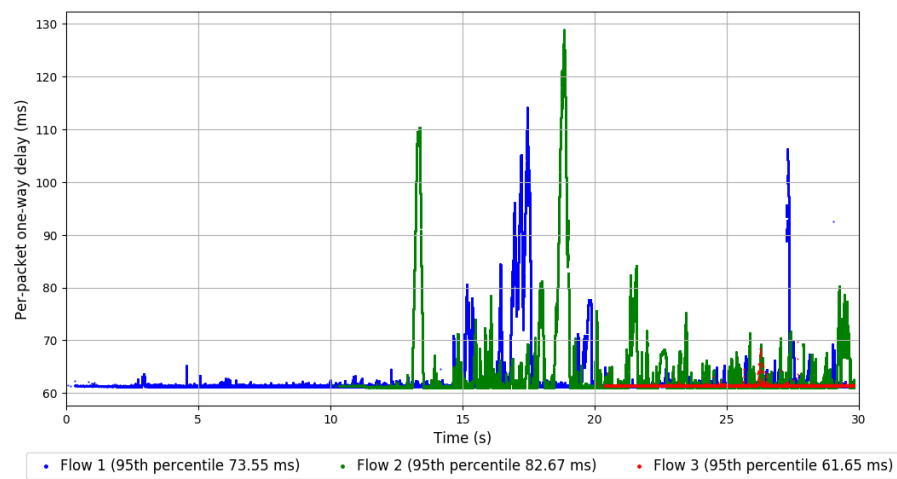
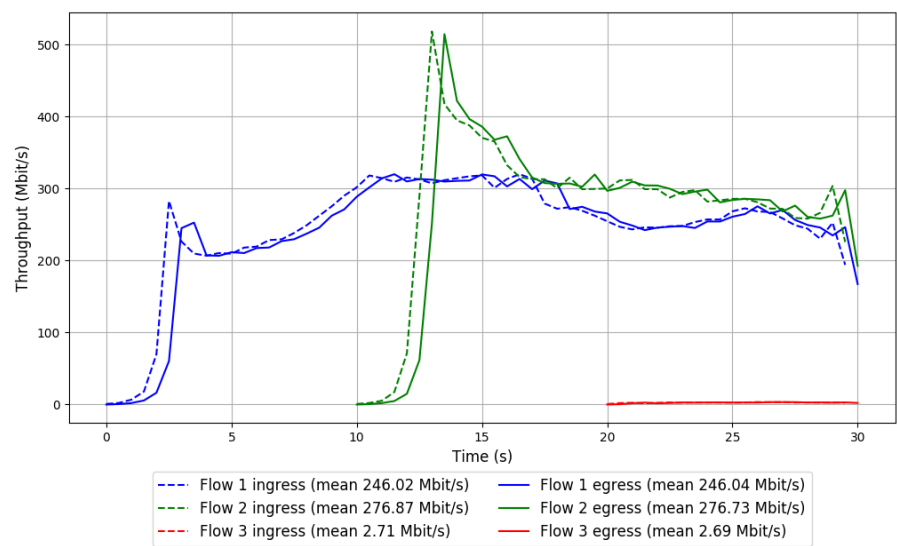


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-26 06:05:06
End at: 2018-07-26 06:05:36
Local clock offset: 0.083 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-26 12:06:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.57 Mbit/s
95th percentile per-packet one-way delay: 77.488 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 246.04 Mbit/s
95th percentile per-packet one-way delay: 73.546 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 276.73 Mbit/s
95th percentile per-packet one-way delay: 82.669 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 61.649 ms
Loss rate: 1.71%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-26 06:30:04

End at: 2018-07-26 06:30:34

Local clock offset: 0.134 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-26 12:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 554.57 Mbit/s

95th percentile per-packet one-way delay: 85.257 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 319.97 Mbit/s

95th percentile per-packet one-way delay: 69.031 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 273.61 Mbit/s

95th percentile per-packet one-way delay: 144.415 ms

Loss rate: 1.04%

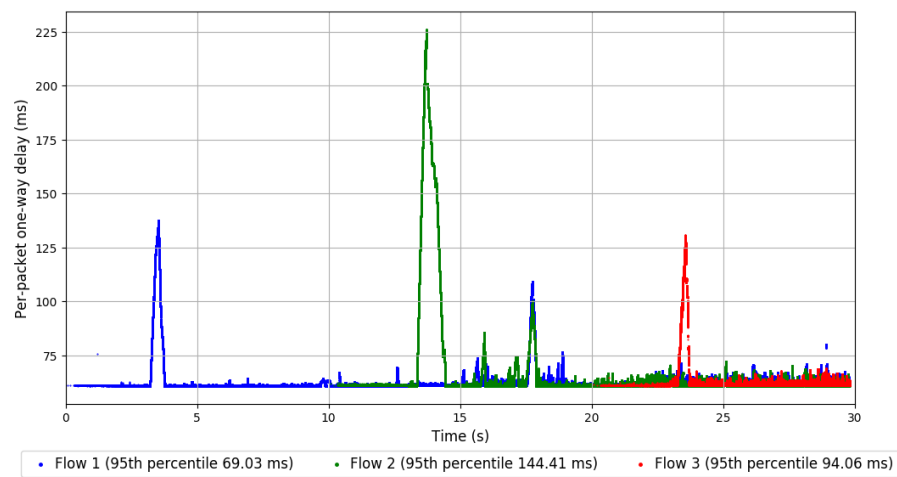
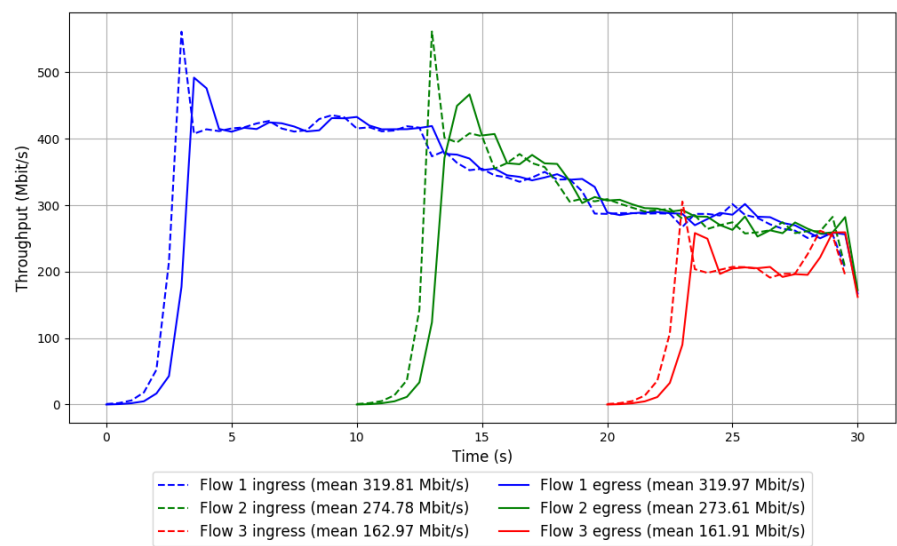
-- Flow 3:

Average throughput: 161.91 Mbit/s

95th percentile per-packet one-way delay: 94.065 ms

Loss rate: 1.89%

Run 5: Report of PCC-Vivace — Data Link

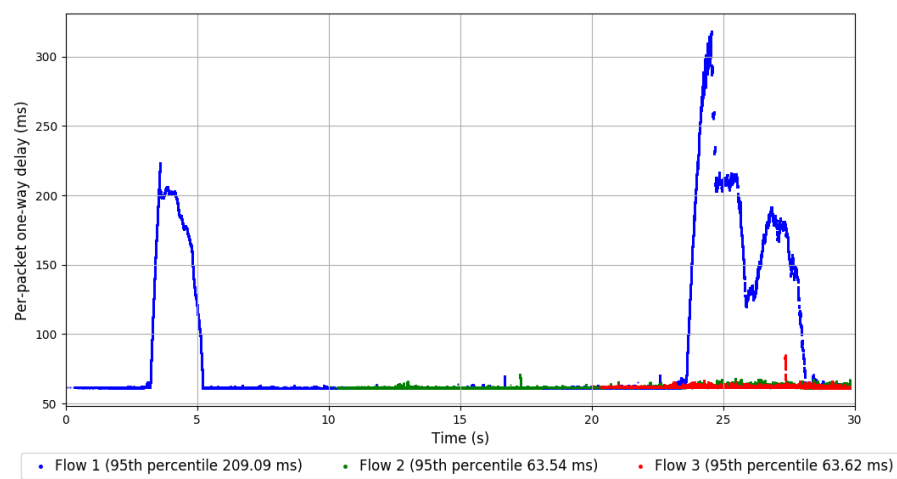
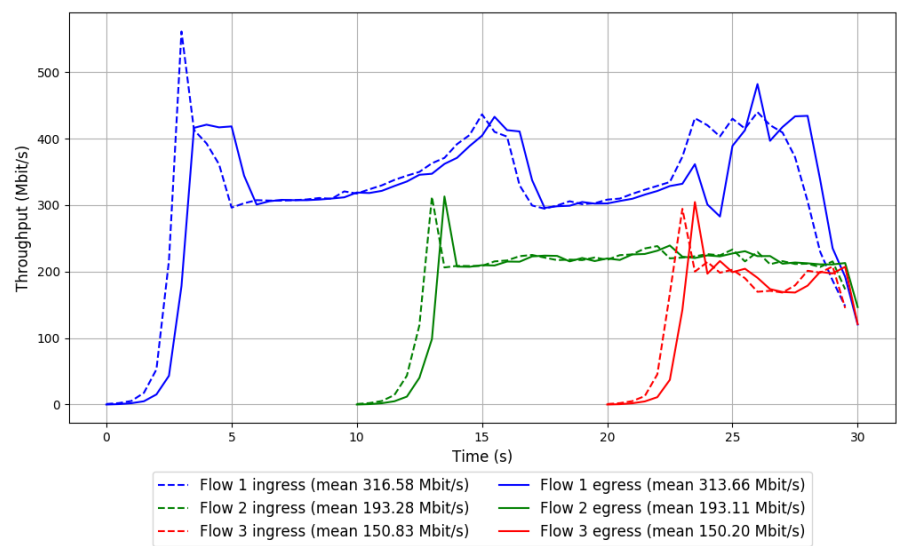


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-26 06:55:19
End at: 2018-07-26 06:55:49
Local clock offset: 0.181 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-26 12:09:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.94 Mbit/s
95th percentile per-packet one-way delay: 201.780 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 313.66 Mbit/s
95th percentile per-packet one-way delay: 209.088 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 193.11 Mbit/s
95th percentile per-packet one-way delay: 63.538 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 150.20 Mbit/s
95th percentile per-packet one-way delay: 63.621 ms
Loss rate: 1.67%

Run 6: Report of PCC-Vivace — Data Link

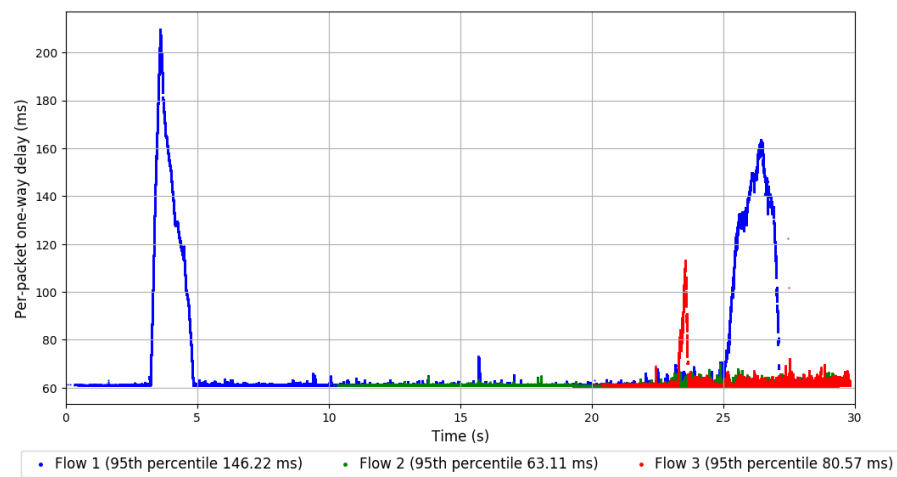
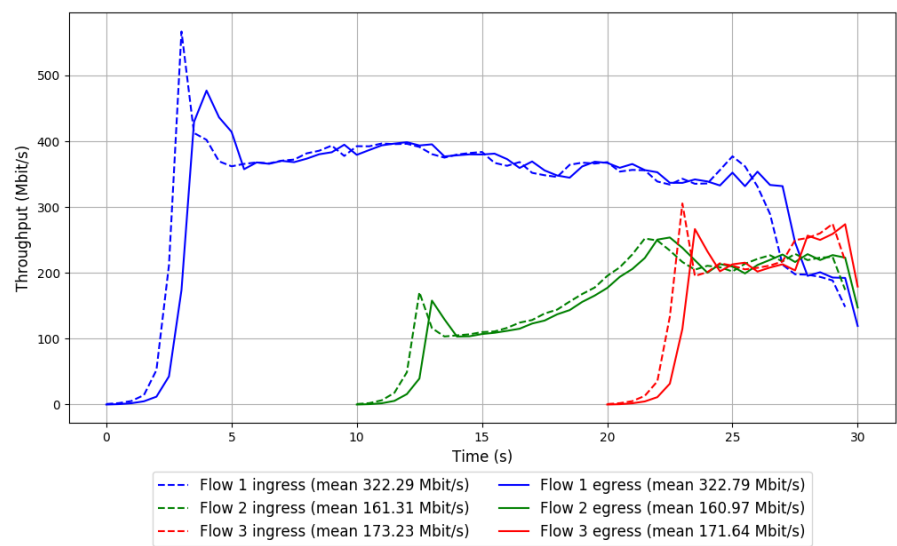


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-26 07:20:35
End at: 2018-07-26 07:21:05
Local clock offset: 0.255 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-26 12:10:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.74 Mbit/s
95th percentile per-packet one-way delay: 132.510 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 322.79 Mbit/s
95th percentile per-packet one-way delay: 146.221 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 160.97 Mbit/s
95th percentile per-packet one-way delay: 63.109 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 171.64 Mbit/s
95th percentile per-packet one-way delay: 80.566 ms
Loss rate: 2.16%

Run 7: Report of PCC-Vivace — Data Link

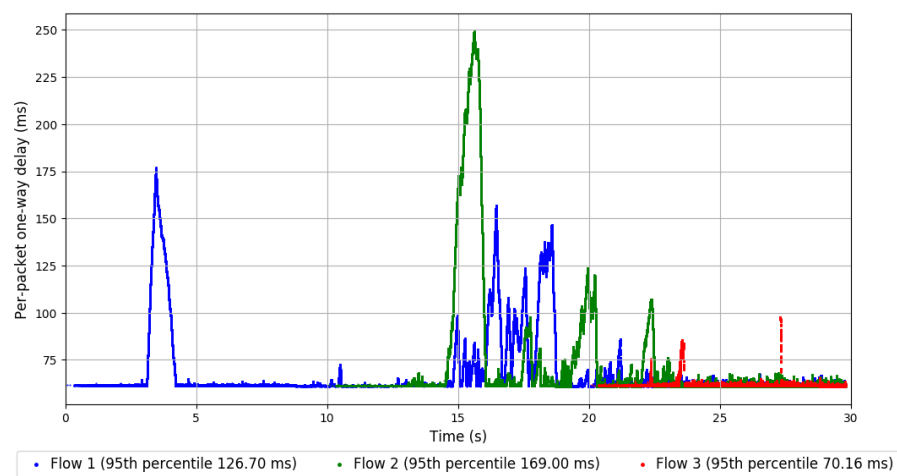
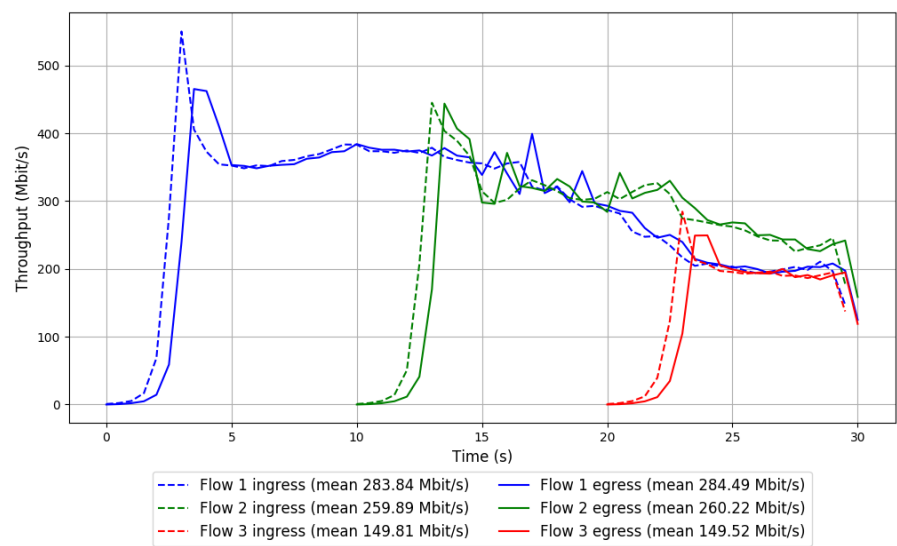


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-26 07:45:48
End at: 2018-07-26 07:46:18
Local clock offset: 0.256 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-26 12:11:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.05 Mbit/s
95th percentile per-packet one-way delay: 127.401 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 284.49 Mbit/s
95th percentile per-packet one-way delay: 126.702 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 260.22 Mbit/s
95th percentile per-packet one-way delay: 168.999 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 149.52 Mbit/s
95th percentile per-packet one-way delay: 70.156 ms
Loss rate: 1.43%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-26 08:10:55

End at: 2018-07-26 08:11:25

Local clock offset: 0.29 ms

Remote clock offset: 1.442 ms

Below is generated by plot.py at 2018-07-26 12:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 509.34 Mbit/s

95th percentile per-packet one-way delay: 158.928 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 292.39 Mbit/s

95th percentile per-packet one-way delay: 146.654 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 242.60 Mbit/s

95th percentile per-packet one-way delay: 175.343 ms

Loss rate: 0.49%

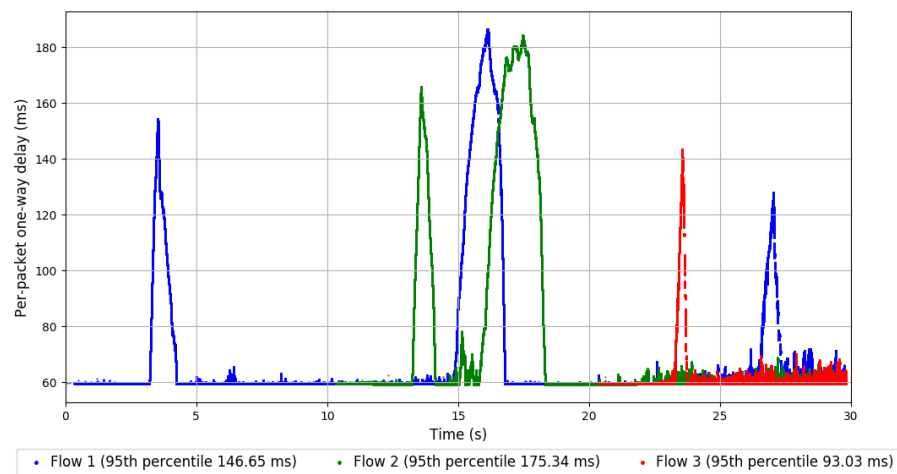
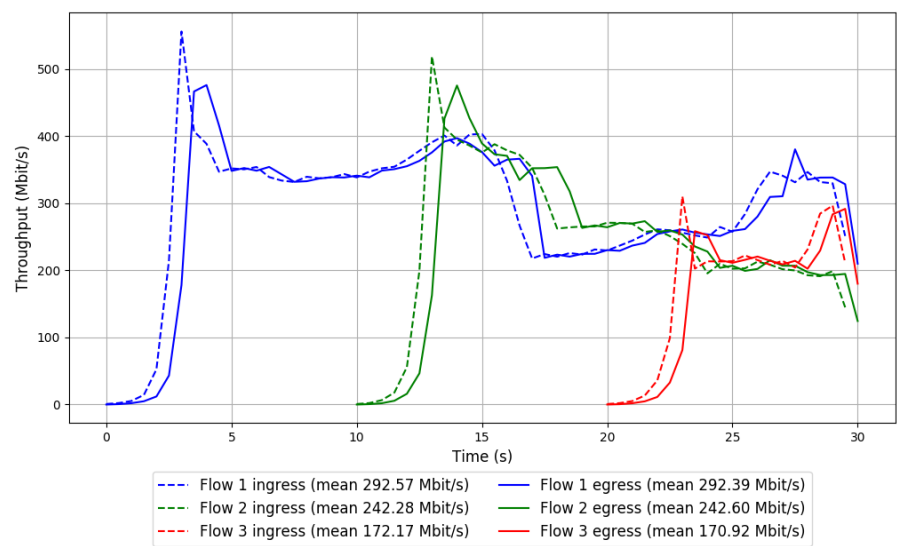
-- Flow 3:

Average throughput: 170.92 Mbit/s

95th percentile per-packet one-way delay: 93.027 ms

Loss rate: 1.97%

Run 9: Report of PCC-Vivace — Data Link

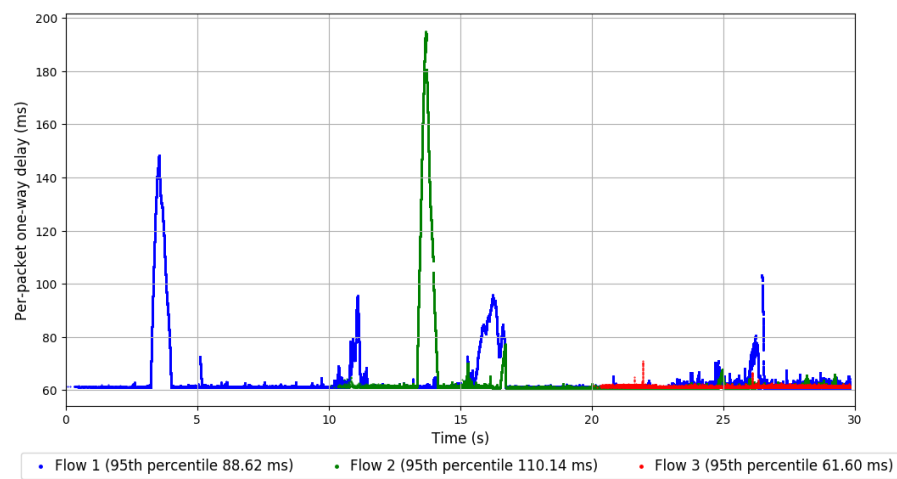
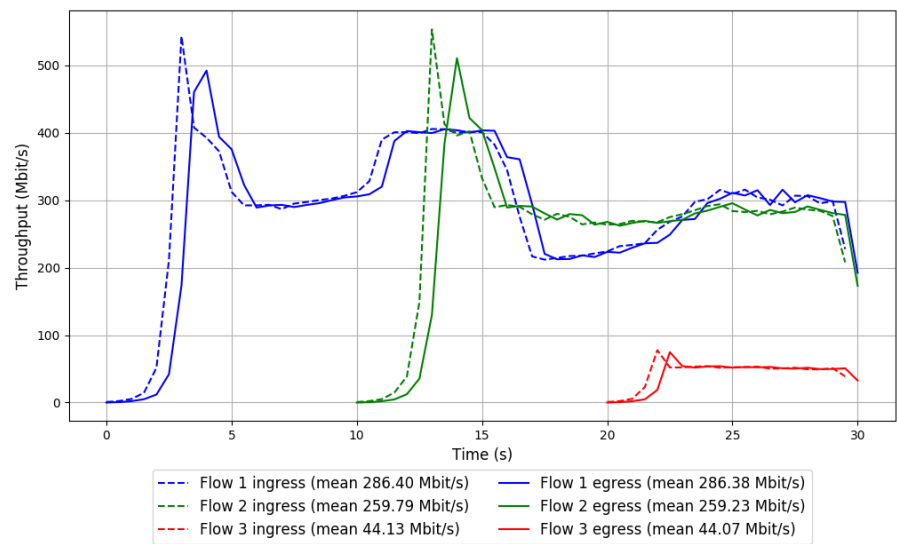


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-26 08:36:01
End at: 2018-07-26 08:36:31
Local clock offset: 0.295 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-26 12:11:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.79 Mbit/s
95th percentile per-packet one-way delay: 90.169 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 286.38 Mbit/s
95th percentile per-packet one-way delay: 88.619 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 259.23 Mbit/s
95th percentile per-packet one-way delay: 110.142 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 44.07 Mbit/s
95th percentile per-packet one-way delay: 61.600 ms
Loss rate: 1.39%

Run 10: Report of PCC-Vivace — Data Link

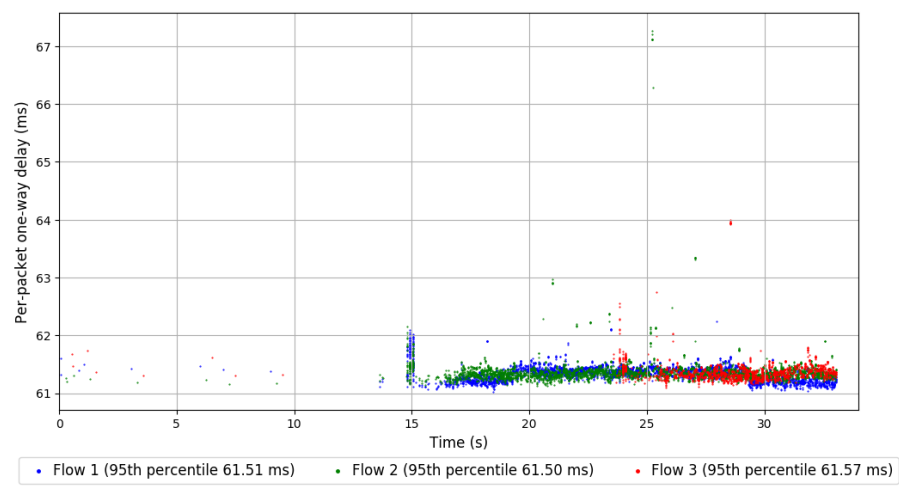
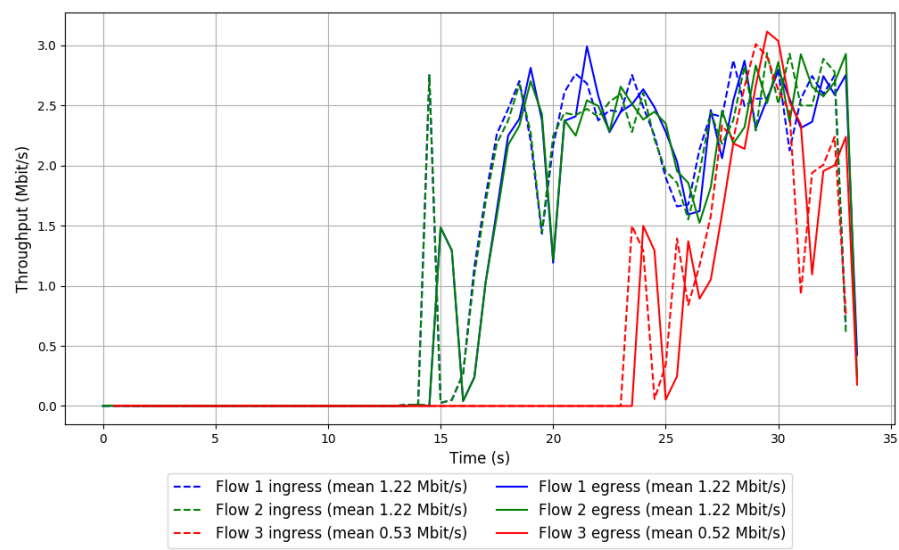


Run 1: Statistics of WebRTC media

Start at: 2018-07-26 04:40:39
End at: 2018-07-26 04:41:09
Local clock offset: -0.08 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-26 12:11:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 61.517 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 61.507 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 61.502 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.571 ms
Loss rate: 2.23%

Run 1: Report of WebRTC media — Data Link

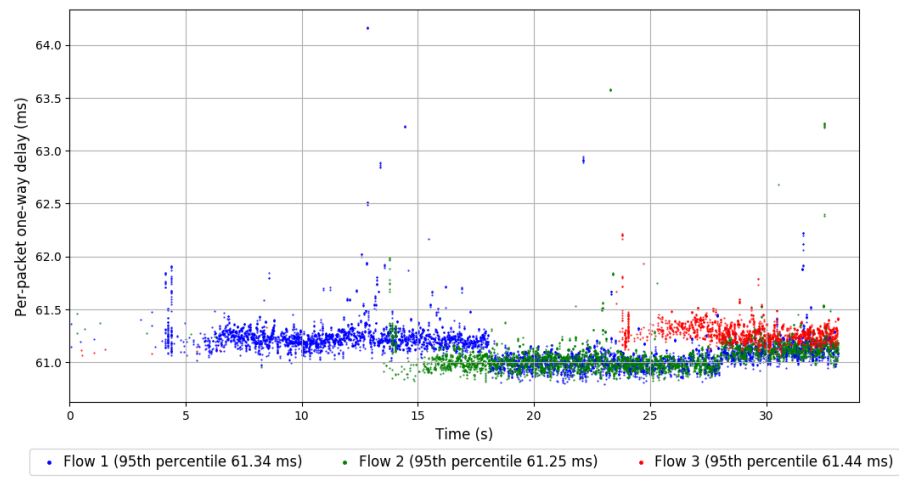
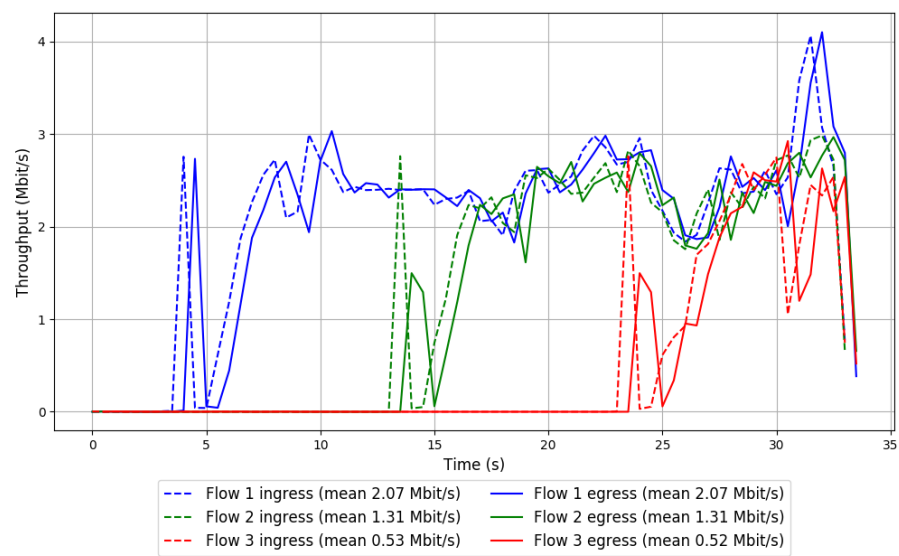


Run 2: Statistics of WebRTC media

Start at: 2018-07-26 05:05:52
End at: 2018-07-26 05:06:22
Local clock offset: -0.068 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-26 12:11:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 61.357 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 61.340 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 61.248 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.438 ms
Loss rate: 1.66%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-26 05:30:55

End at: 2018-07-26 05:31:25

Local clock offset: -0.079 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-26 12:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 61.185 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.195 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.197 ms

Loss rate: 0.70%

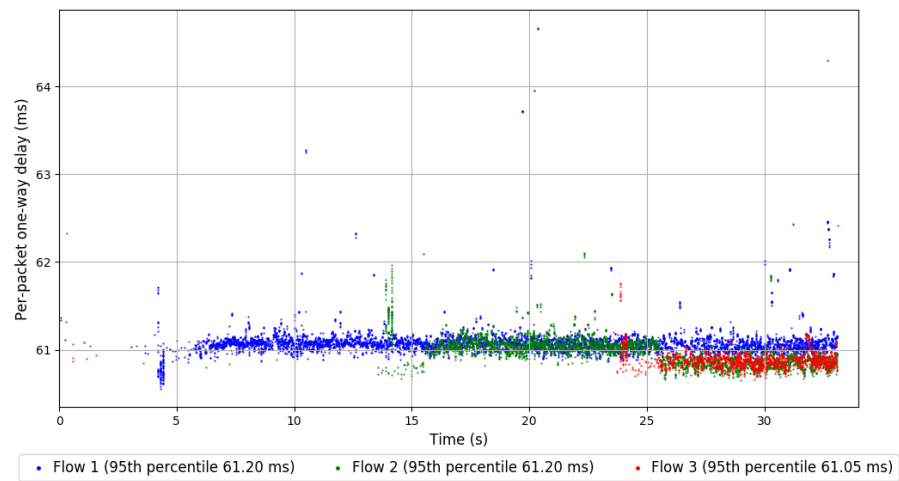
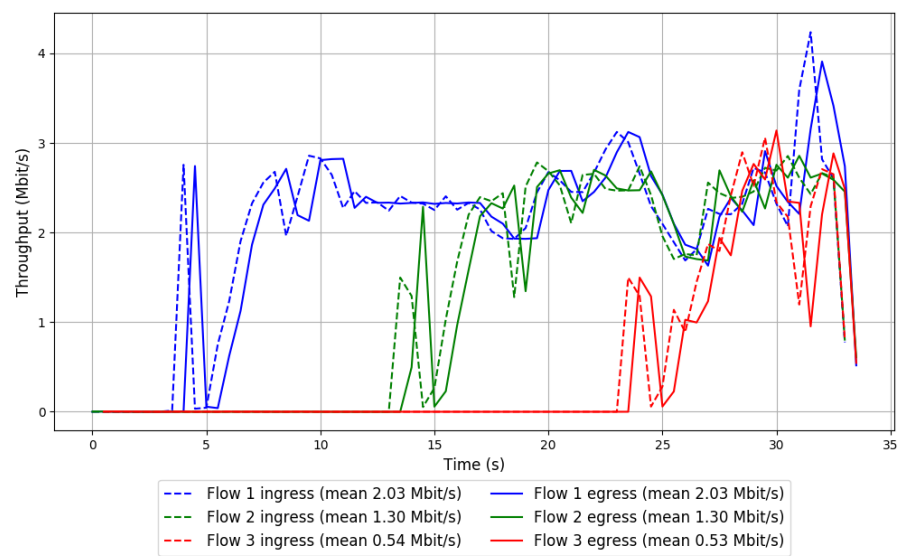
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 61.050 ms

Loss rate: 1.70%

Run 3: Report of WebRTC media — Data Link

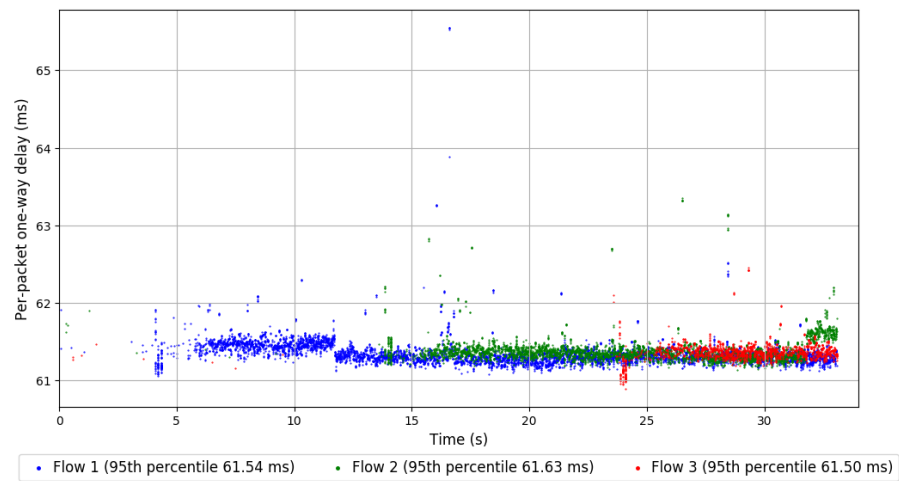
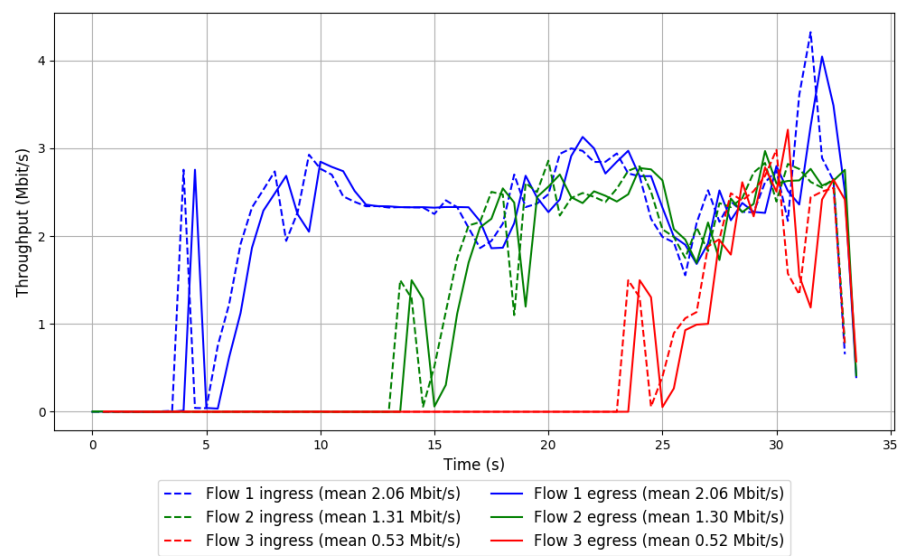


Run 4: Statistics of WebRTC media

Start at: 2018-07-26 05:55:58
End at: 2018-07-26 05:56:28
Local clock offset: 0.045 ms
Remote clock offset: -0.164 ms

```
# Below is generated by plot.py at 2018-07-26 12:11:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 61.568 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 61.537 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 61.633 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.496 ms
Loss rate: 1.51%
```

Run 4: Report of WebRTC media — Data Link

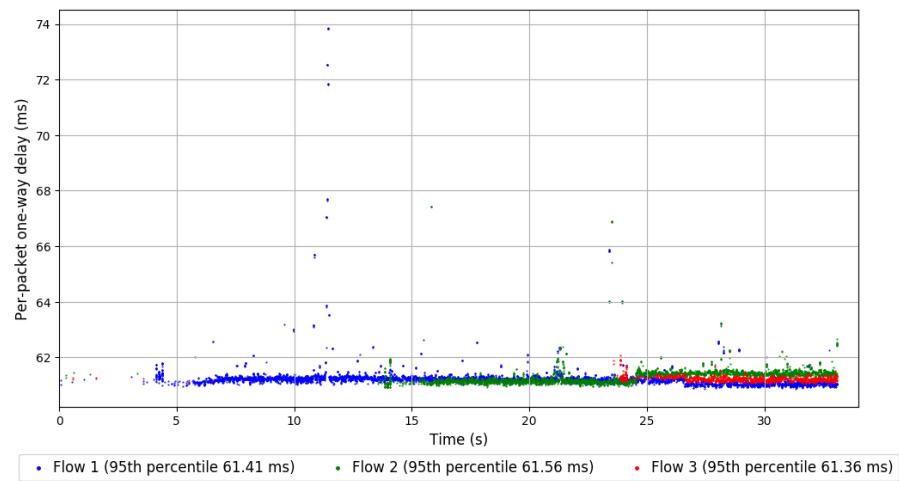
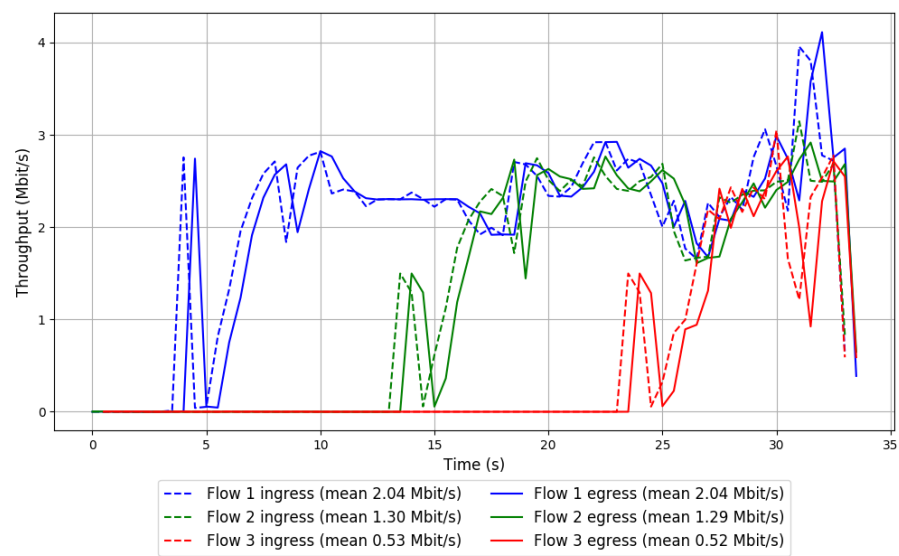


Run 5: Statistics of WebRTC media

Start at: 2018-07-26 06:21:04
End at: 2018-07-26 06:21:34
Local clock offset: 0.106 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-26 12:11:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 61.511 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.409 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.564 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.356 ms
Loss rate: 1.19%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-26 06:46:15

End at: 2018-07-26 06:46:45

Local clock offset: 0.178 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-26 12:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 61.316 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.327 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.281 ms

Loss rate: 0.71%

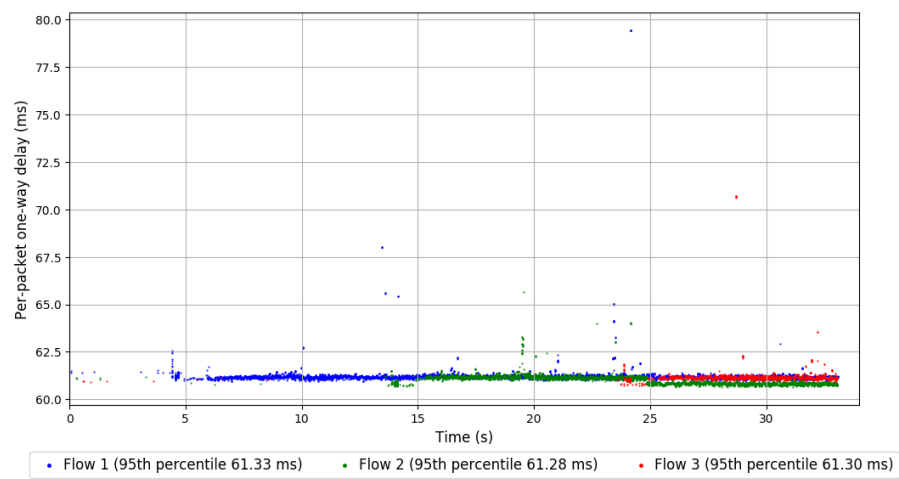
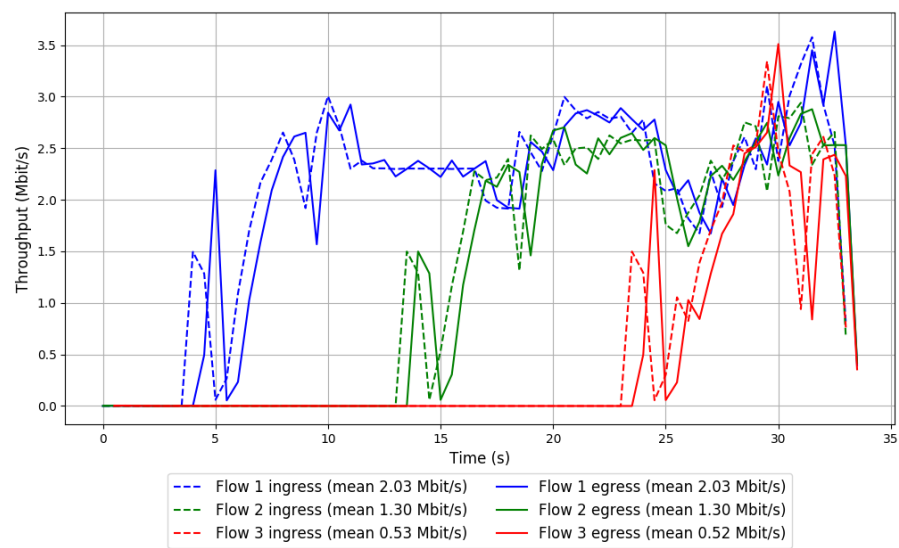
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.296 ms

Loss rate: 2.21%

Run 6: Report of WebRTC media — Data Link

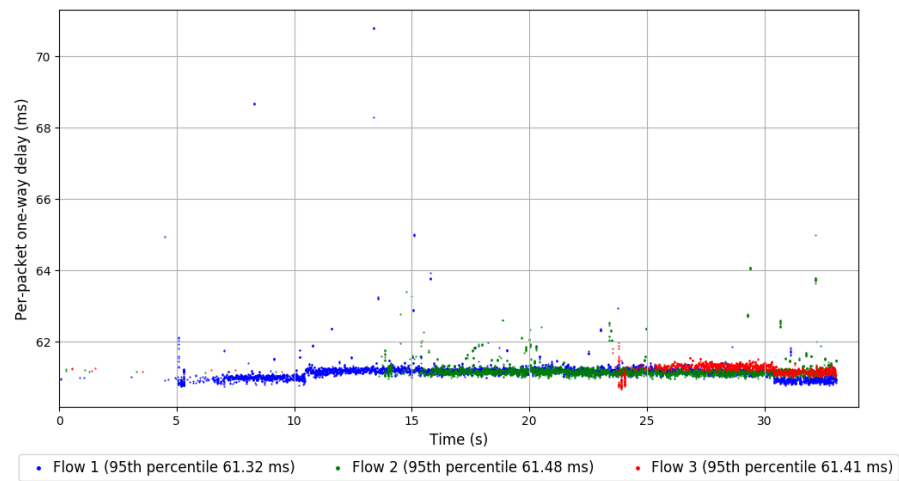
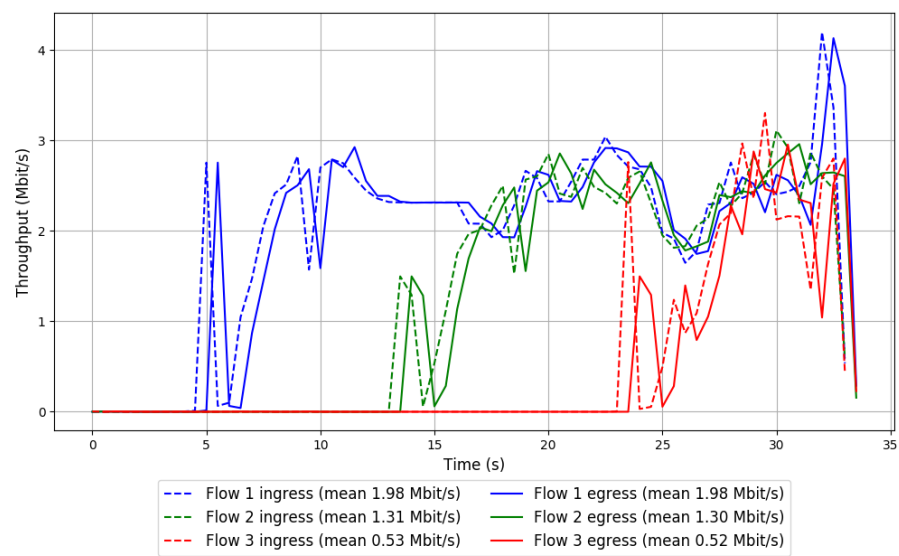


Run 7: Statistics of WebRTC media

Start at: 2018-07-26 07:11:30
End at: 2018-07-26 07:12:00
Local clock offset: 0.211 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-26 12:11:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 61.373 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 61.324 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 61.475 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.414 ms
Loss rate: 1.80%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-26 07:36:47

End at: 2018-07-26 07:37:17

Local clock offset: 0.251 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-26 12:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 61.103 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.046 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 60.927 ms

Loss rate: 0.70%

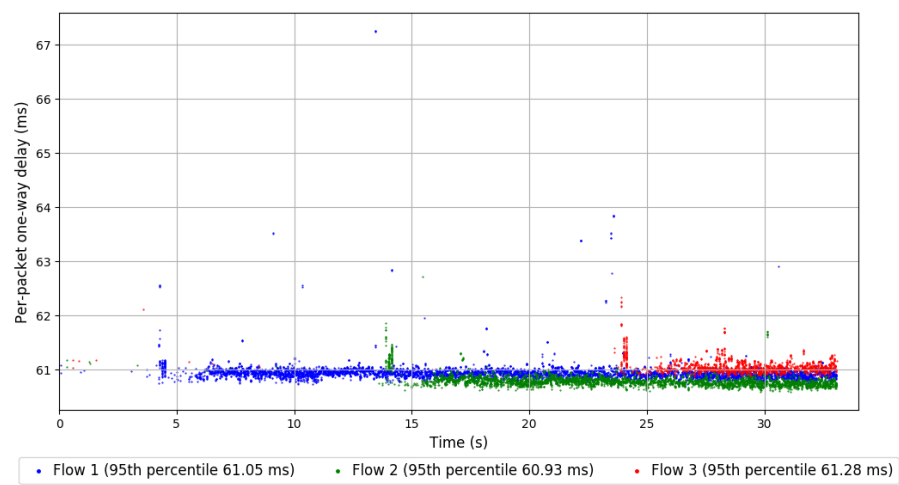
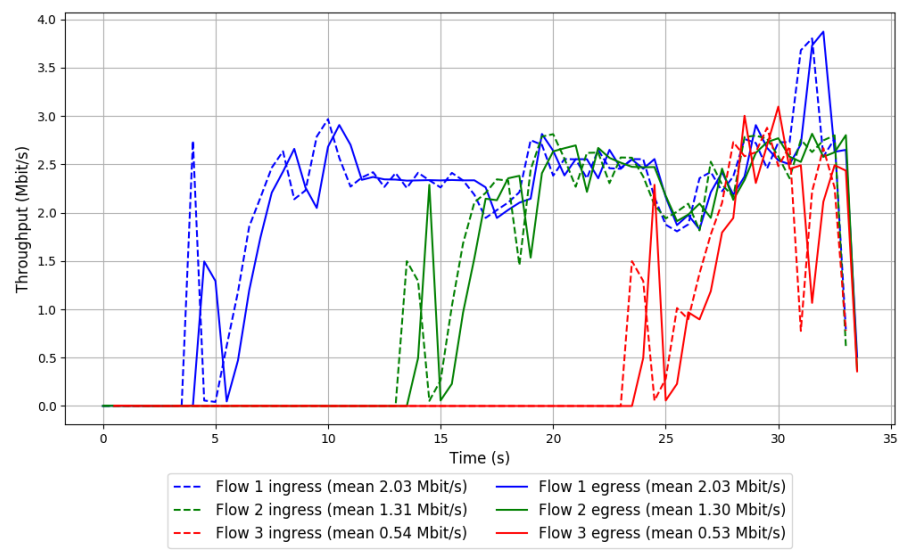
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 61.277 ms

Loss rate: 1.72%

Run 8: Report of WebRTC media — Data Link

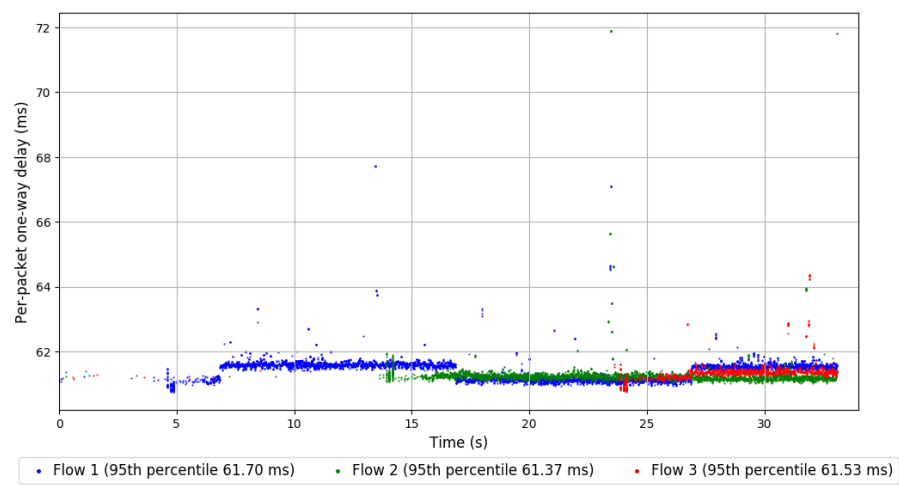
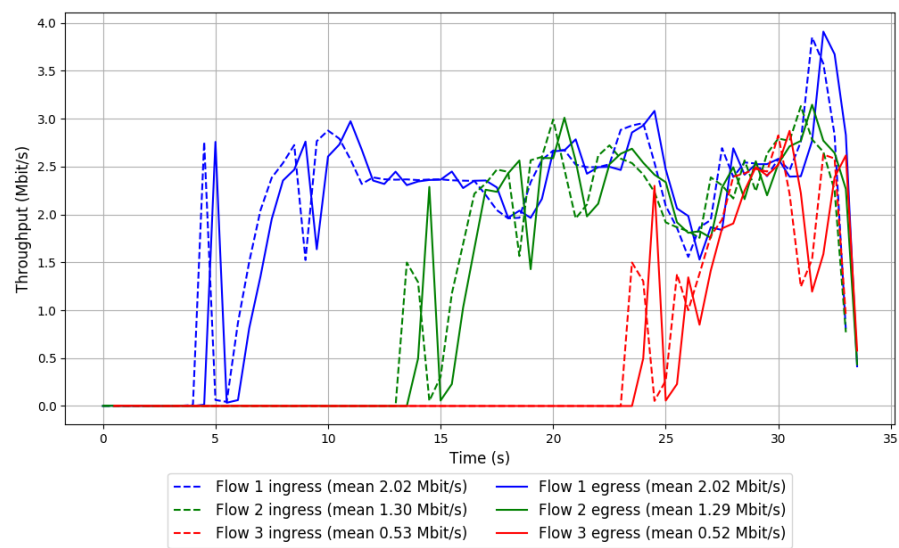


Run 9: Statistics of WebRTC media

Start at: 2018-07-26 08:01:53
End at: 2018-07-26 08:02:23
Local clock offset: 0.297 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-26 12:11:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 61.667 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 61.699 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.371 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 2.14%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-26 08:27:09

End at: 2018-07-26 08:27:39

Local clock offset: 0.303 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-07-26 12:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 61.149 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.168 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.116 ms

Loss rate: 0.97%

-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 61.100 ms

Loss rate: 1.77%

Run 10: Report of WebRTC media — Data Link

