

Pantheon Report

Generated at 2018-05-30 18:46:53 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

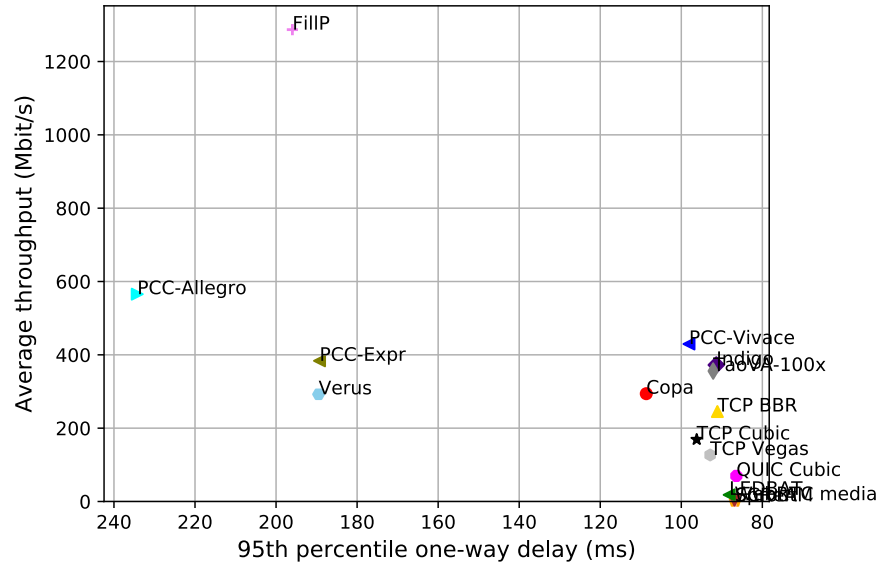
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

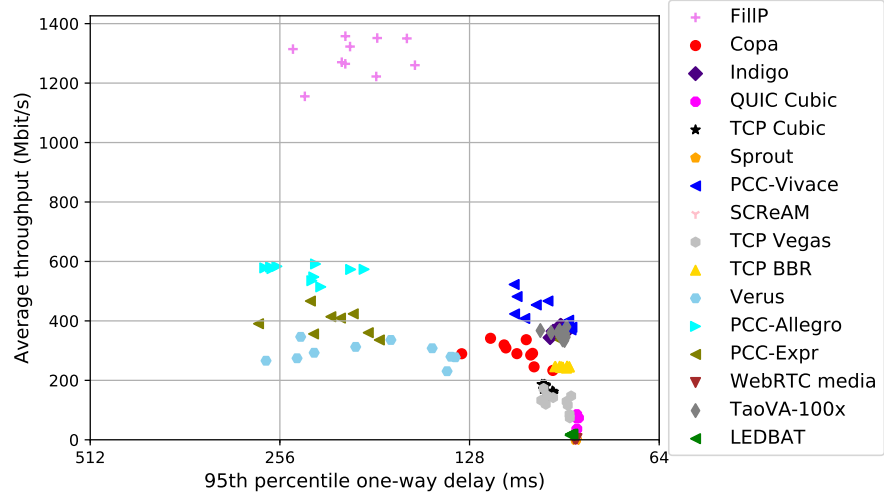
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/llnwd @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



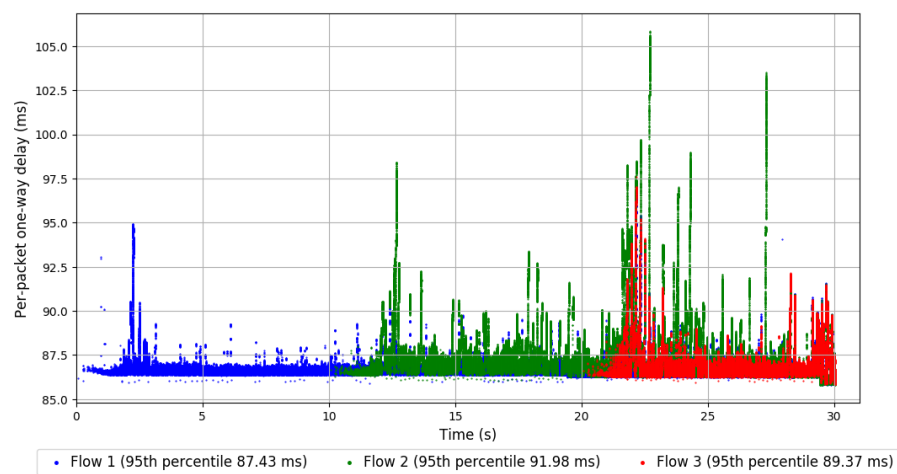
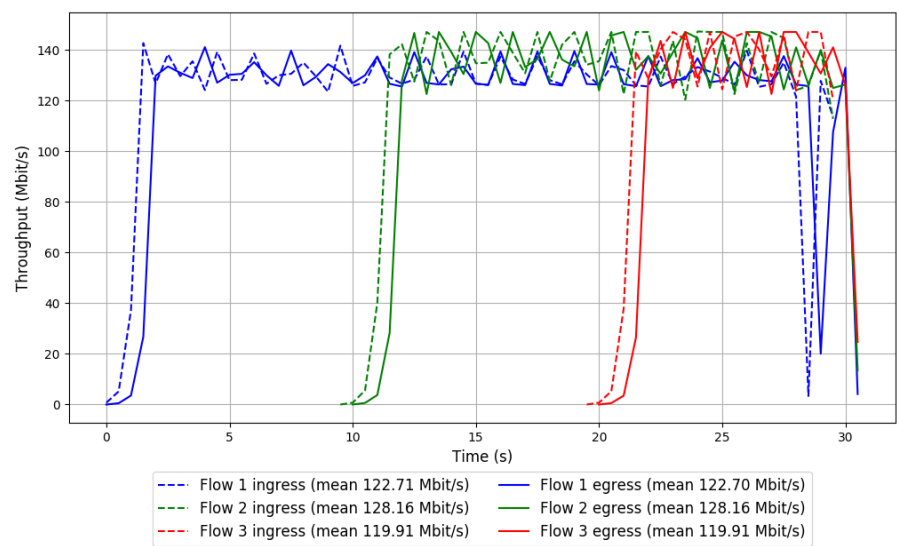
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	125.75	122.21	115.10	90.46	90.77	91.90	0.00	0.00	0.00
Copa	10	171.15	129.42	111.10	105.68	108.81	111.52	0.03	0.01	0.02
TCP Cubic	10	99.07	73.26	64.24	96.50	93.15	95.15	0.03	0.01	0.06
FillP	10	696.61	629.98	515.74	198.09	185.70	167.18	3.44	3.48	2.17
Indigo	10	192.46	190.49	166.31	90.54	92.44	91.77	0.01	0.02	0.02
LEDBAT	10	11.73	7.85	3.51	88.37	87.95	87.55	0.03	0.00	0.00
PCC-Allegro	10	472.74	120.99	37.26	239.42	202.61	200.42	2.71	1.90	2.73
PCC-Expr	10	216.86	198.92	104.43	187.69	155.58	119.51	0.99	1.43	1.12
QUIC Cubic	10	39.81	35.74	19.19	86.28	86.29	86.37	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.68	86.53	86.50	0.00	0.00	0.00
Sprout	10	0.27	0.24	0.31	86.72	86.66	86.71	0.00	0.00	0.00
TaoVA-100x	10	190.63	177.26	148.19	91.15	92.52	94.70	0.01	0.02	0.03
TCP Vegas	10	60.21	69.44	61.59	91.10	92.65	93.44	0.02	0.02	0.03
Verus	10	172.56	143.91	76.65	180.57	190.19	181.97	0.98	1.49	1.76
PCC-Vivace	10	245.13	208.77	138.08	98.70	95.48	114.56	0.02	0.00	0.00
WebRTC media	10	1.99	1.24	0.47	86.74	86.81	86.79	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-30 12:40:09
End at: 2018-05-30 12:40:39
Local clock offset: -0.014 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-05-30 16:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.87 Mbit/s
95th percentile per-packet one-way delay: 89.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.70 Mbit/s
95th percentile per-packet one-way delay: 87.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.16 Mbit/s
95th percentile per-packet one-way delay: 91.980 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.91 Mbit/s
95th percentile per-packet one-way delay: 89.372 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

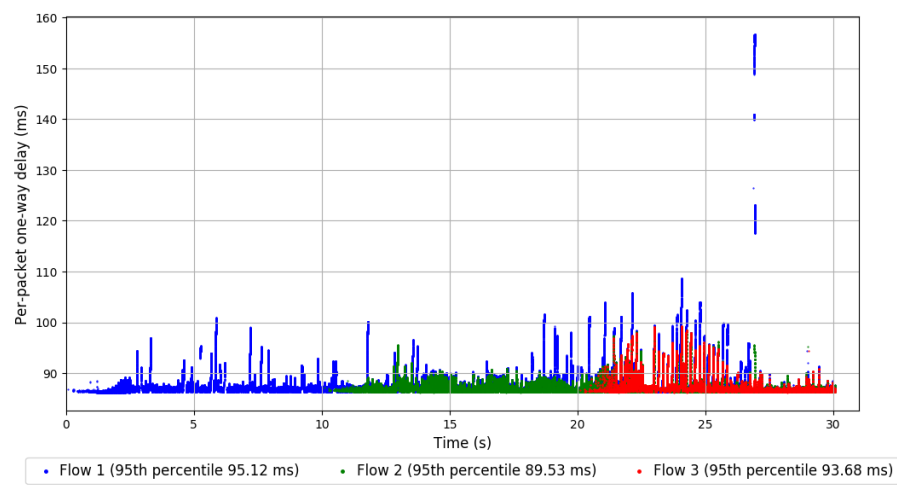
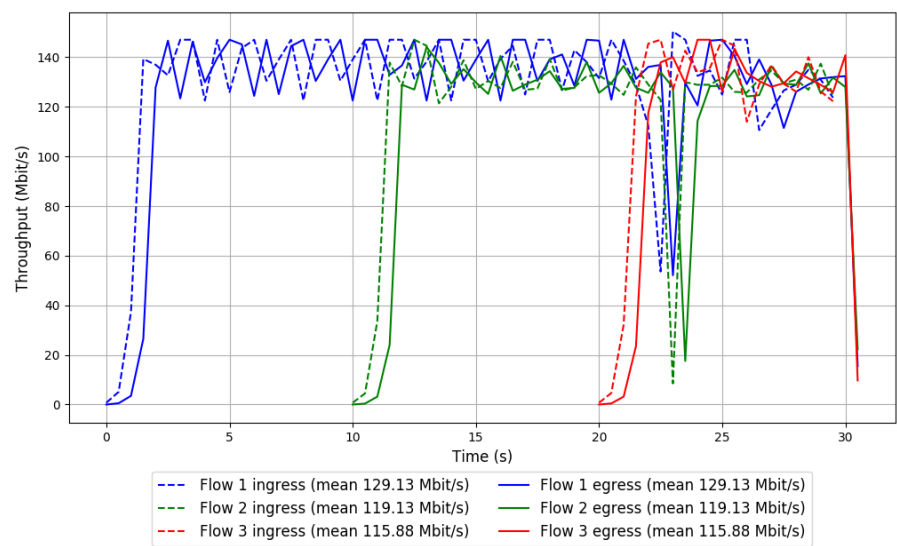


Run 2: Statistics of TCP BBR

Start at: 2018-05-30 13:04:16
End at: 2018-05-30 13:04:46
Local clock offset: -0.267 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-30 16:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.97 Mbit/s
95th percentile per-packet one-way delay: 93.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.13 Mbit/s
95th percentile per-packet one-way delay: 95.122 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.13 Mbit/s
95th percentile per-packet one-way delay: 89.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.88 Mbit/s
95th percentile per-packet one-way delay: 93.684 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

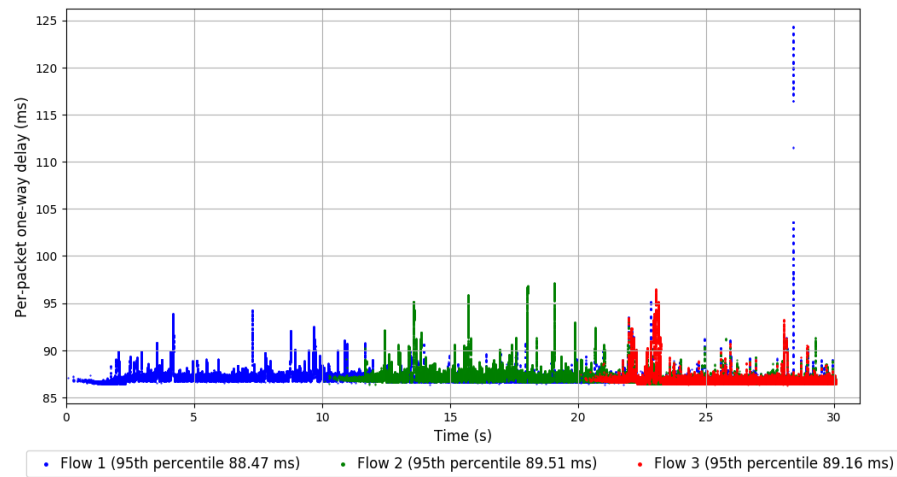
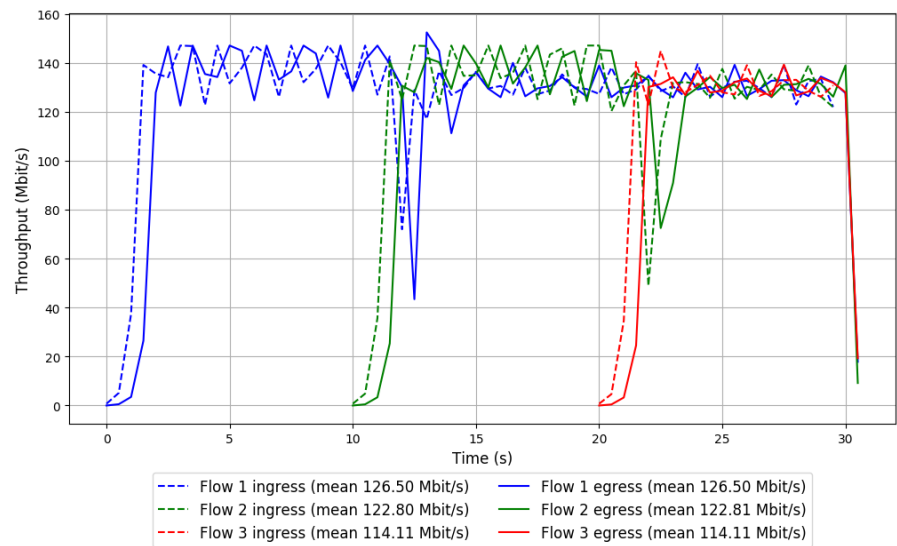


Run 3: Statistics of TCP BBR

Start at: 2018-05-30 13:28:06
End at: 2018-05-30 13:28:36
Local clock offset: -0.318 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-30 16:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.16 Mbit/s
95th percentile per-packet one-way delay: 88.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.50 Mbit/s
95th percentile per-packet one-way delay: 88.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.81 Mbit/s
95th percentile per-packet one-way delay: 89.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.11 Mbit/s
95th percentile per-packet one-way delay: 89.157 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

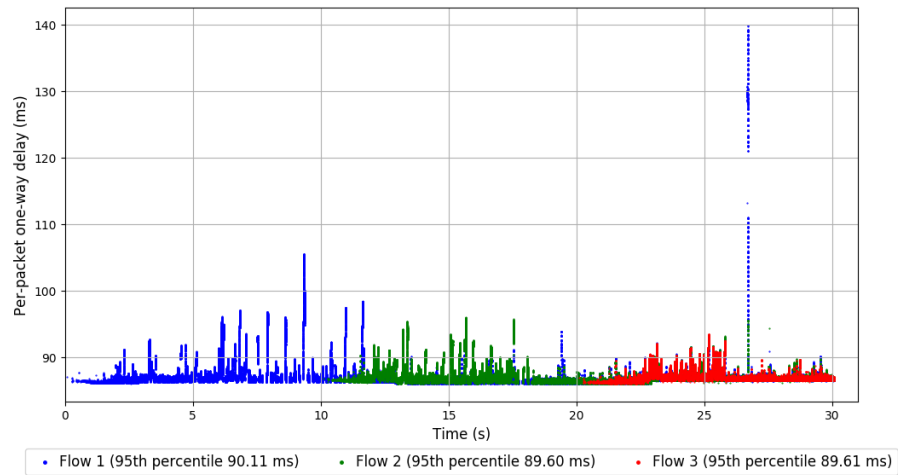
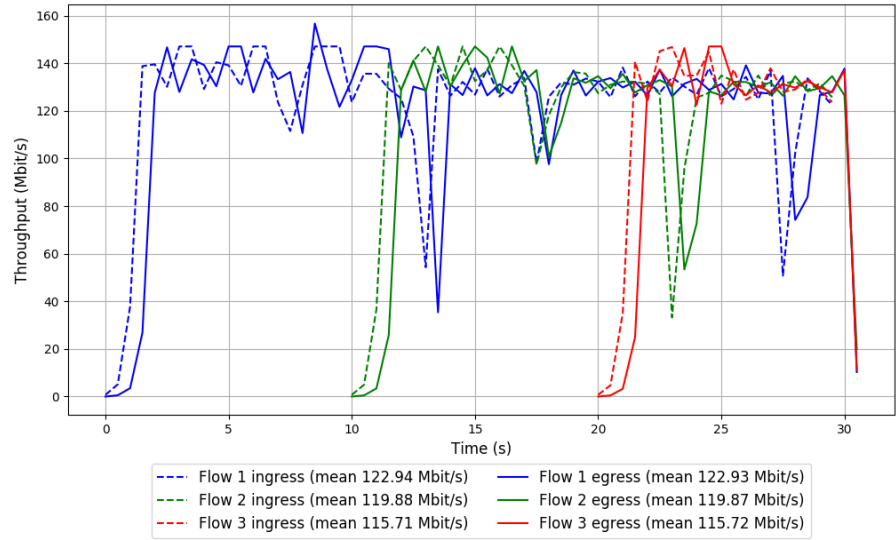


Run 4: Statistics of TCP BBR

Start at: 2018-05-30 13:52:06
End at: 2018-05-30 13:52:36
Local clock offset: -0.176 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-30 16:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.20 Mbit/s
95th percentile per-packet one-way delay: 89.796 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 122.93 Mbit/s
95th percentile per-packet one-way delay: 90.114 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 119.87 Mbit/s
95th percentile per-packet one-way delay: 89.604 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 115.72 Mbit/s
95th percentile per-packet one-way delay: 89.615 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-30 14:15:50

End at: 2018-05-30 14:16:20

Local clock offset: 0.062 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-30 16:51:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.49 Mbit/s

95th percentile per-packet one-way delay: 91.004 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 127.79 Mbit/s

95th percentile per-packet one-way delay: 92.181 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 119.06 Mbit/s

95th percentile per-packet one-way delay: 88.511 ms

Loss rate: 0.02%

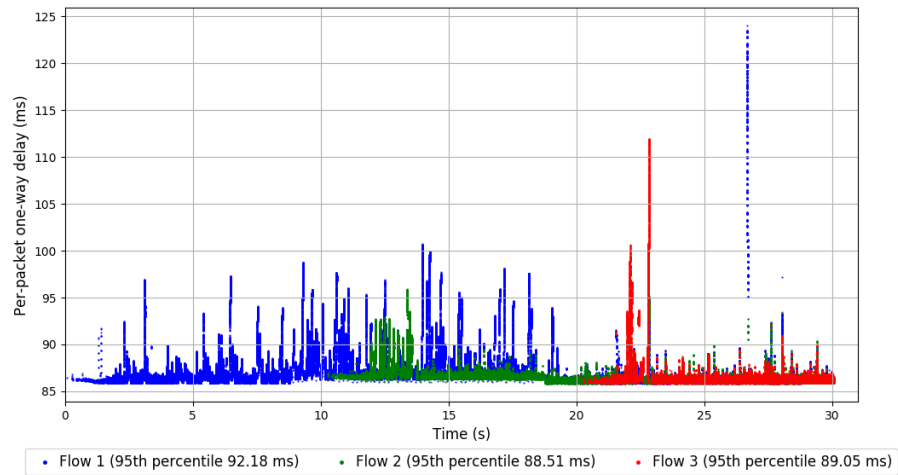
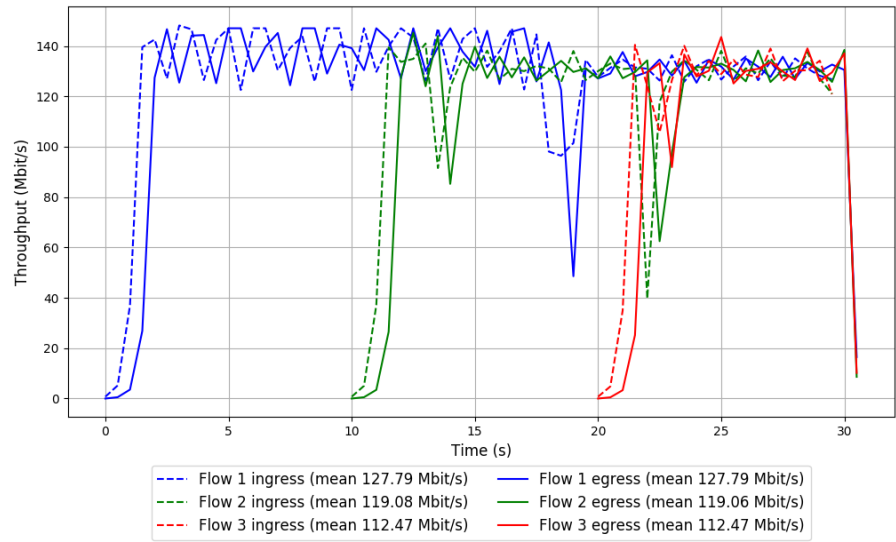
-- Flow 3:

Average throughput: 112.47 Mbit/s

95th percentile per-packet one-way delay: 89.052 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-30 14:39:34

End at: 2018-05-30 14:40:04

Local clock offset: -0.292 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-05-30 16:51:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.83 Mbit/s

95th percentile per-packet one-way delay: 88.916 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 126.41 Mbit/s

95th percentile per-packet one-way delay: 88.832 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 120.47 Mbit/s

95th percentile per-packet one-way delay: 88.893 ms

Loss rate: 0.00%

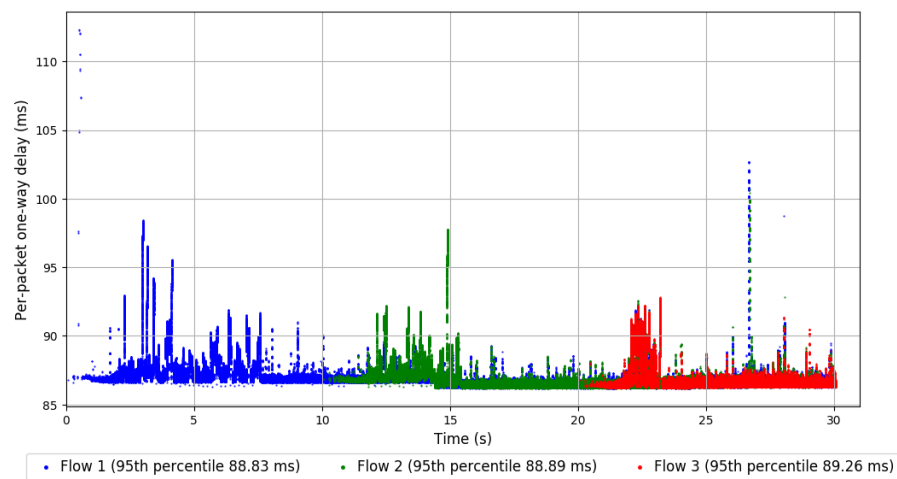
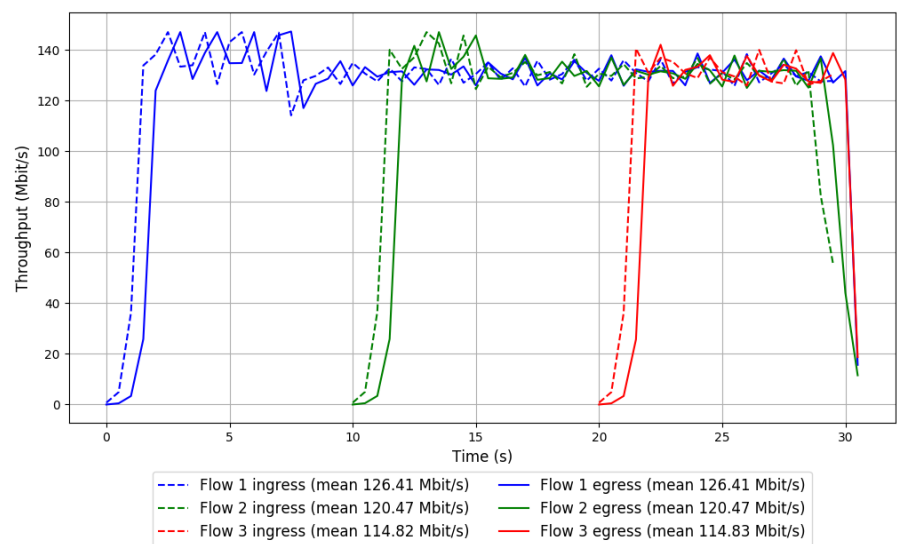
-- Flow 3:

Average throughput: 114.83 Mbit/s

95th percentile per-packet one-way delay: 89.261 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

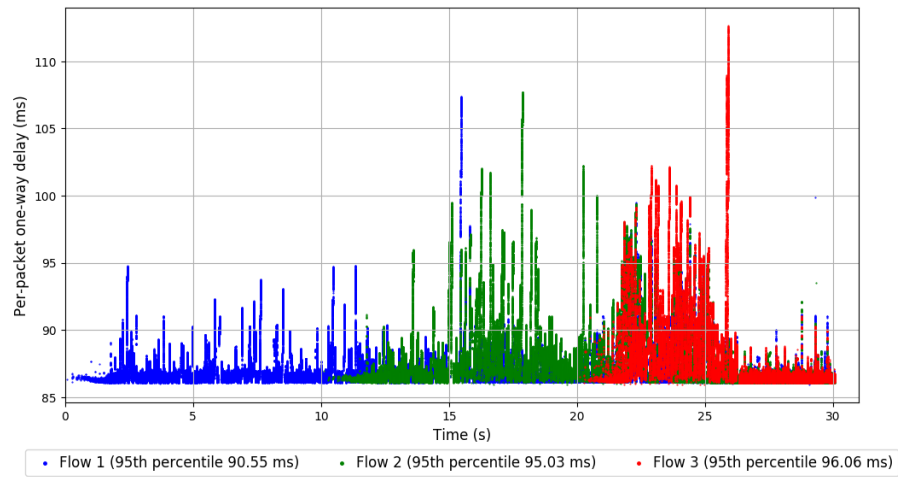
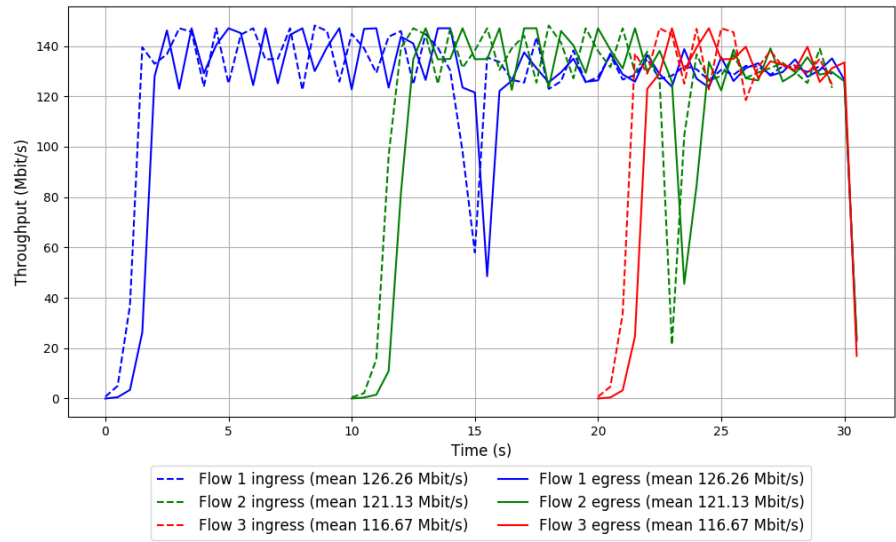


Run 7: Statistics of TCP BBR

Start at: 2018-05-30 15:03:34
End at: 2018-05-30 15:04:04
Local clock offset: -0.085 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-30 16:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.71 Mbit/s
95th percentile per-packet one-way delay: 93.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.26 Mbit/s
95th percentile per-packet one-way delay: 90.549 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.13 Mbit/s
95th percentile per-packet one-way delay: 95.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.67 Mbit/s
95th percentile per-packet one-way delay: 96.065 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-30 15:27:18

End at: 2018-05-30 15:27:48

Local clock offset: -0.079 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-30 16:51:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.87 Mbit/s

95th percentile per-packet one-way delay: 91.551 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 123.51 Mbit/s

95th percentile per-packet one-way delay: 89.052 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 126.97 Mbit/s

95th percentile per-packet one-way delay: 92.373 ms

Loss rate: 0.00%

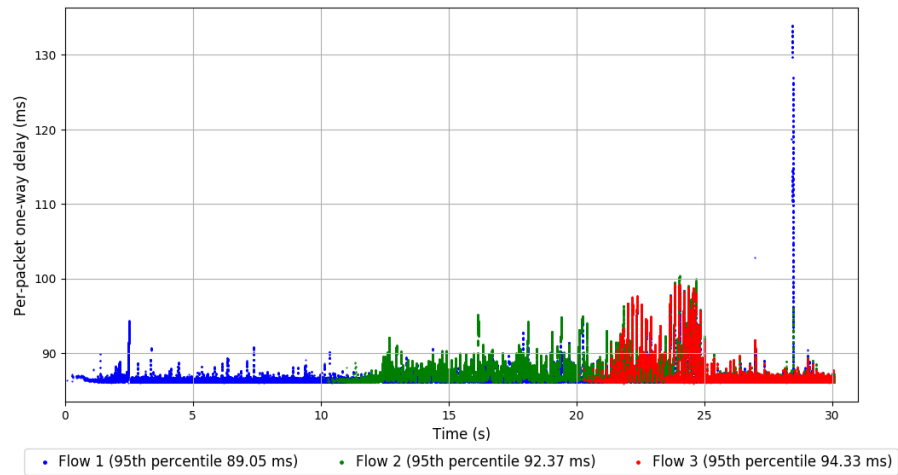
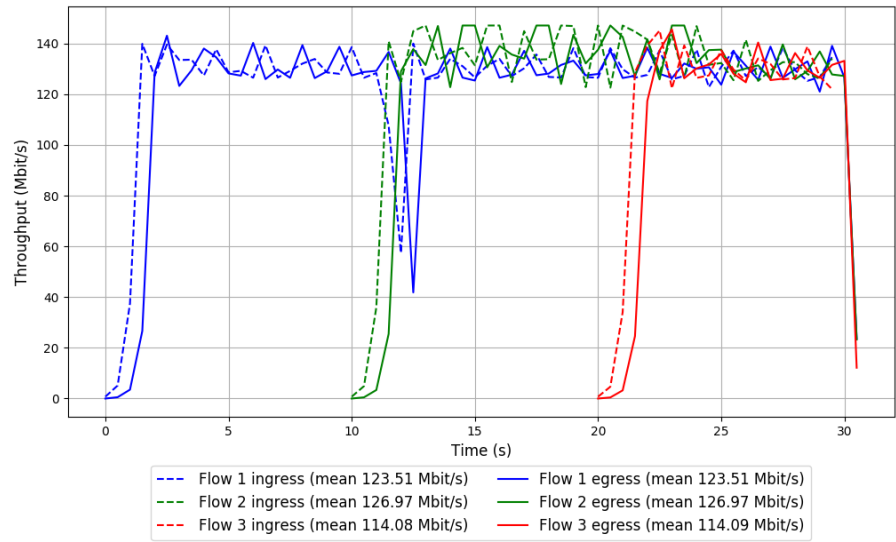
-- Flow 3:

Average throughput: 114.09 Mbit/s

95th percentile per-packet one-way delay: 94.332 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

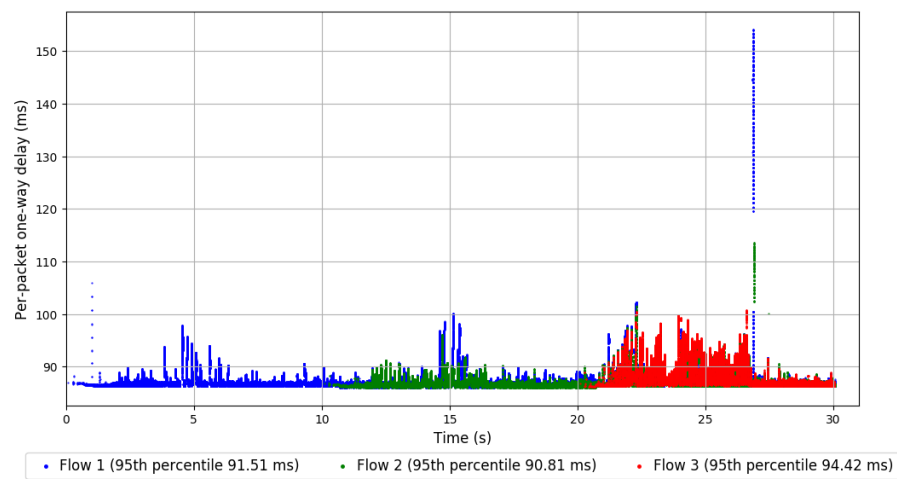
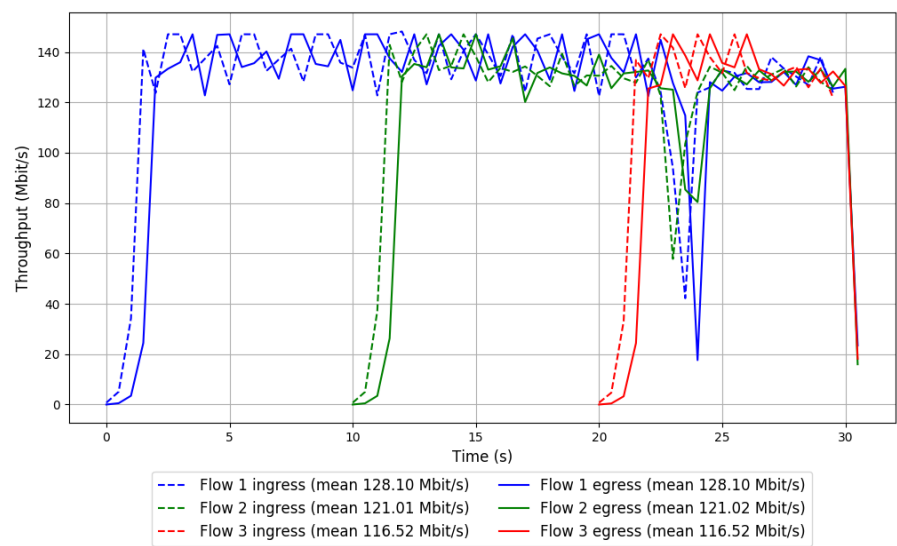


Run 9: Statistics of TCP BBR

Start at: 2018-05-30 15:51:18
End at: 2018-05-30 15:51:48
Local clock offset: -0.231 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-30 16:54:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.41 Mbit/s
95th percentile per-packet one-way delay: 92.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.10 Mbit/s
95th percentile per-packet one-way delay: 91.508 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.02 Mbit/s
95th percentile per-packet one-way delay: 90.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.52 Mbit/s
95th percentile per-packet one-way delay: 94.416 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

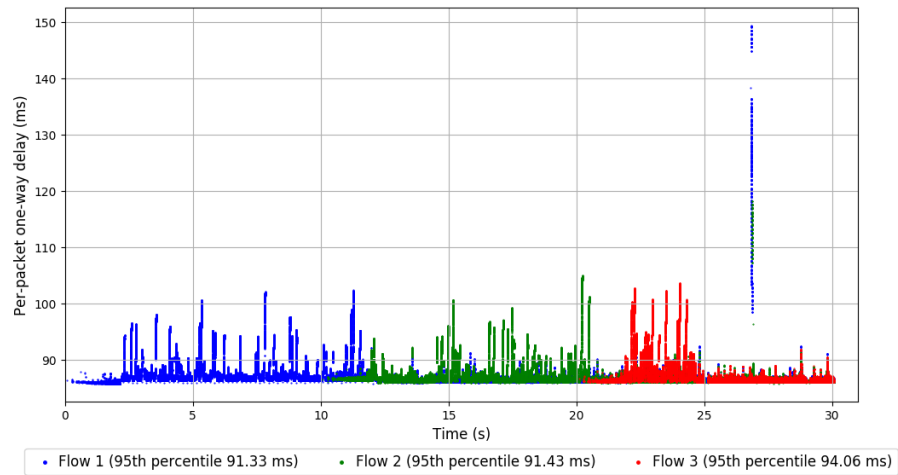
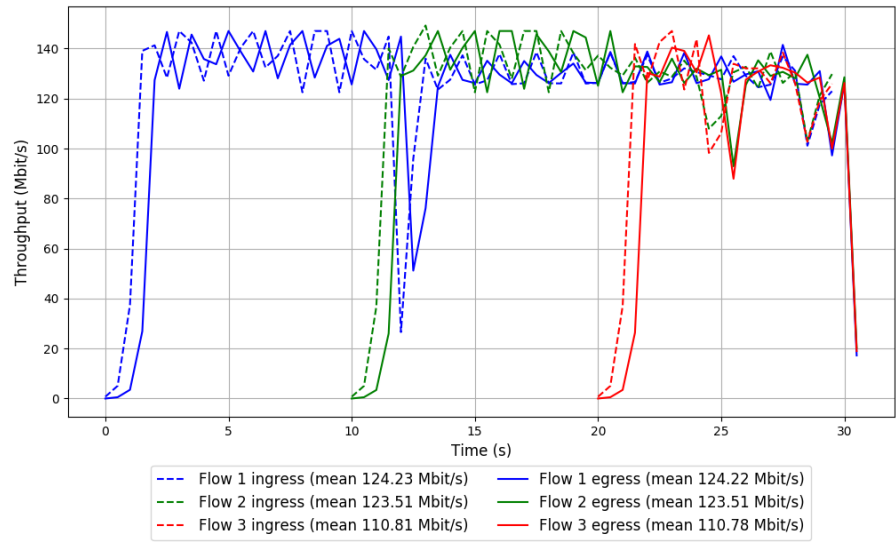


Run 10: Statistics of TCP BBR

Start at: 2018-05-30 16:15:07
End at: 2018-05-30 16:15:37
Local clock offset: 0.041 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-30 16:54:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.35 Mbit/s
95th percentile per-packet one-way delay: 91.761 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 124.22 Mbit/s
95th percentile per-packet one-way delay: 91.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.51 Mbit/s
95th percentile per-packet one-way delay: 91.433 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 110.78 Mbit/s
95th percentile per-packet one-way delay: 94.061 ms
Loss rate: 0.03%

Run 10: Report of TCP BBR — Data Link

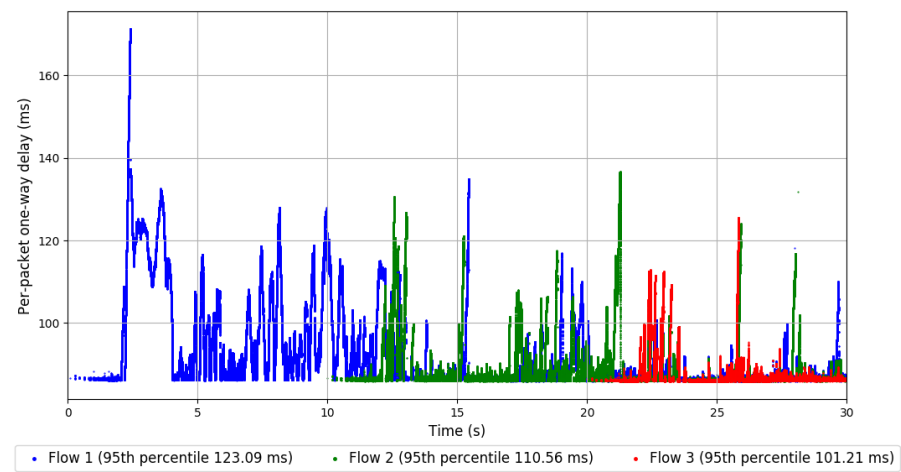
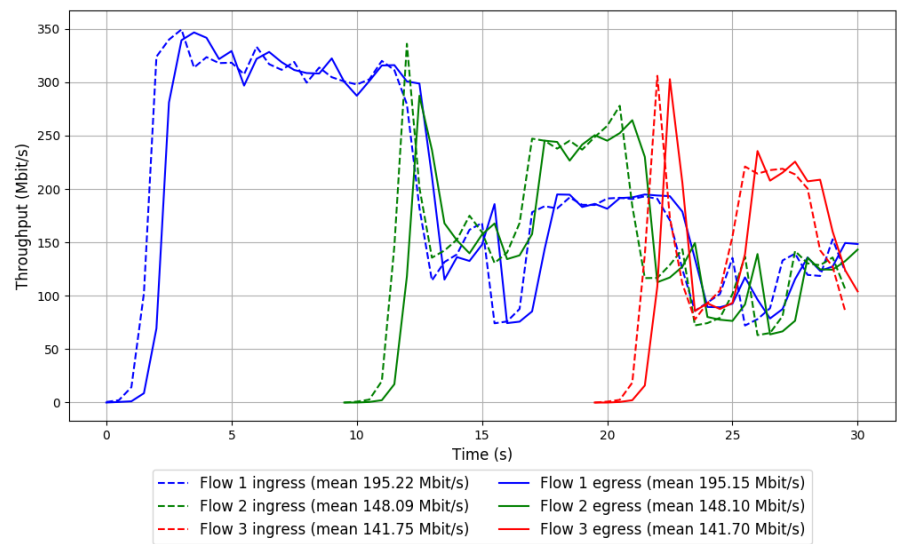


Run 1: Statistics of Copa

Start at: 2018-05-30 12:36:42
End at: 2018-05-30 12:37:12
Local clock offset: -0.129 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-30 17:01:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.47 Mbit/s
95th percentile per-packet one-way delay: 118.543 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 195.15 Mbit/s
95th percentile per-packet one-way delay: 123.091 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 148.10 Mbit/s
95th percentile per-packet one-way delay: 110.557 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 141.70 Mbit/s
95th percentile per-packet one-way delay: 101.213 ms
Loss rate: 0.03%

Run 1: Report of Copa — Data Link

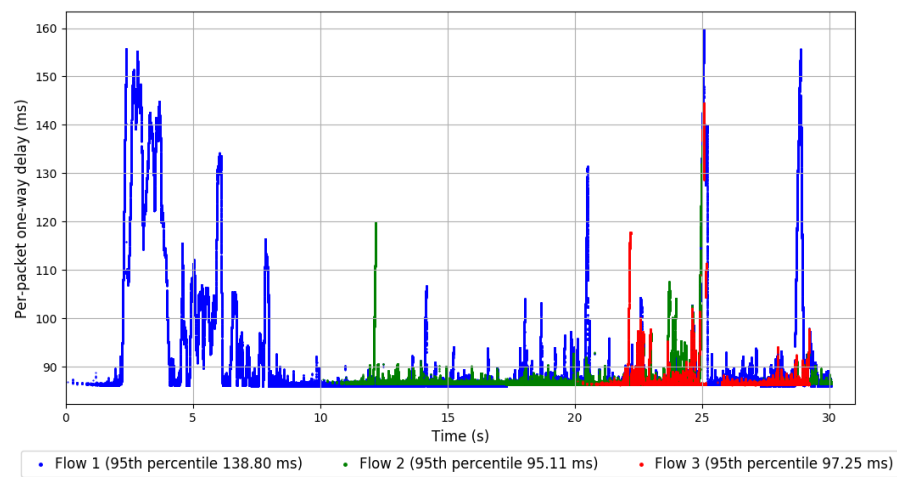
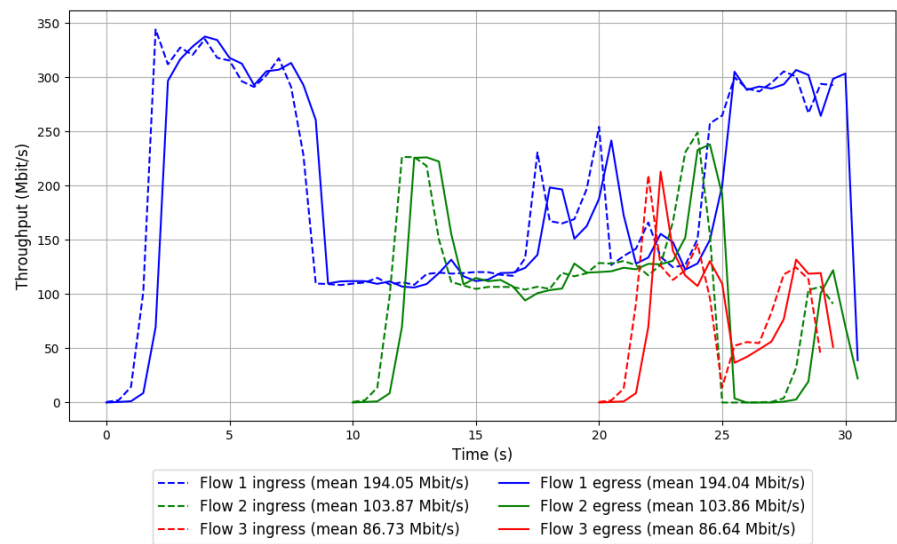


Run 2: Statistics of Copa

Start at: 2018-05-30 13:00:41
End at: 2018-05-30 13:01:11
Local clock offset: -0.138 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-30 17:01:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.56 Mbit/s
95th percentile per-packet one-way delay: 131.729 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 194.04 Mbit/s
95th percentile per-packet one-way delay: 138.801 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 103.86 Mbit/s
95th percentile per-packet one-way delay: 95.105 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 97.245 ms
Loss rate: 0.01%

Run 2: Report of Copa — Data Link

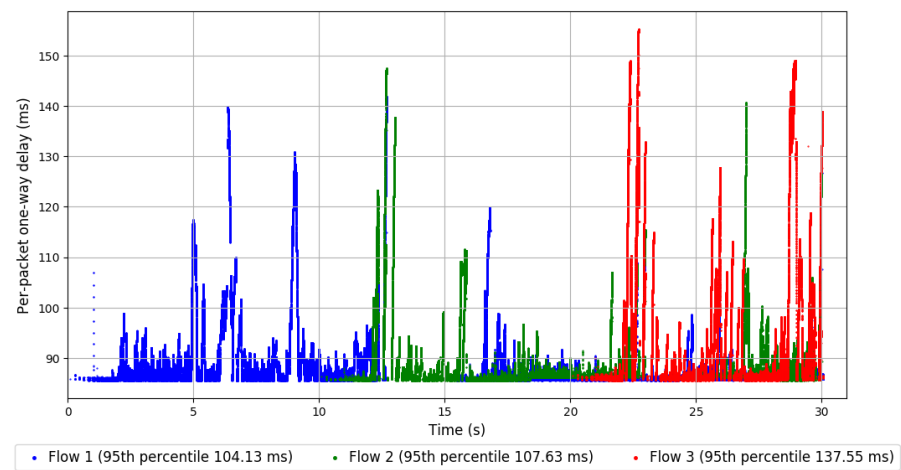
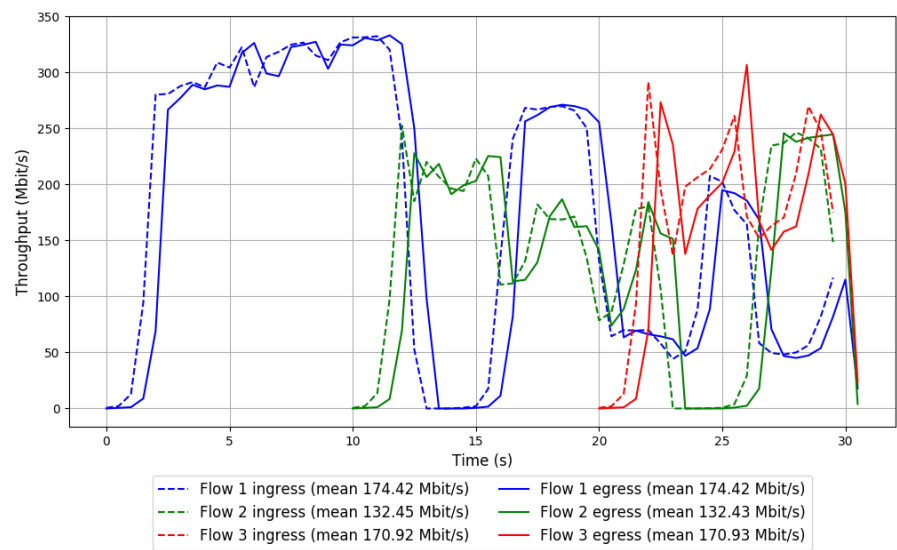


Run 3: Statistics of Copa

Start at: 2018-05-30 13:24:40
End at: 2018-05-30 13:25:10
Local clock offset: 0.35 ms
Remote clock offset: -0.064 ms

```
# Below is generated by plot.py at 2018-05-30 17:01:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 319.22 Mbit/s
95th percentile per-packet one-way delay: 112.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.42 Mbit/s
95th percentile per-packet one-way delay: 104.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 132.43 Mbit/s
95th percentile per-packet one-way delay: 107.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.93 Mbit/s
95th percentile per-packet one-way delay: 137.548 ms
Loss rate: 0.00%
```


Run 3: Report of Copa — Data Link

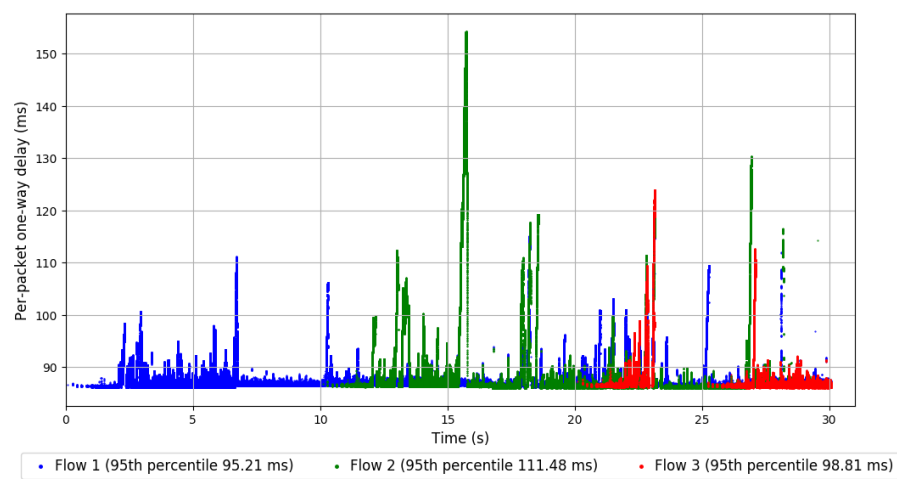
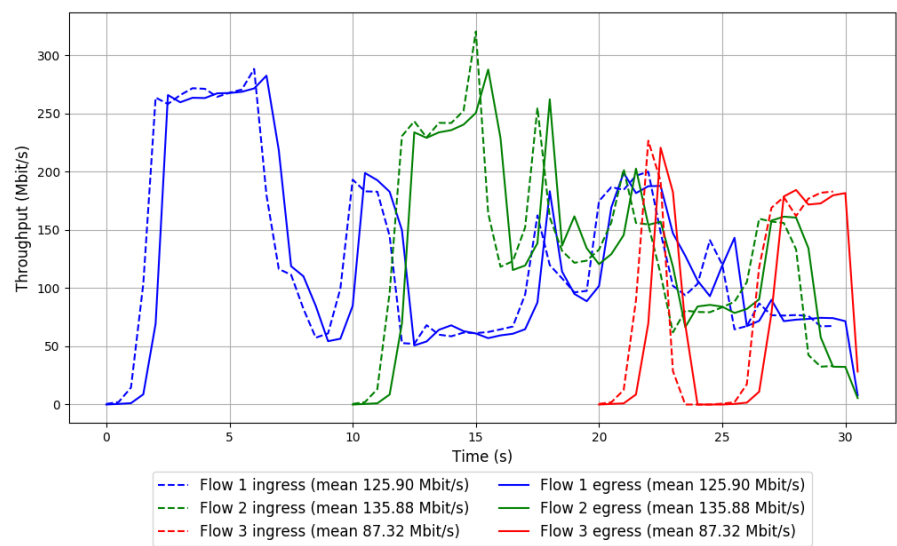


Run 4: Statistics of Copa

Start at: 2018-05-30 13:48:42
End at: 2018-05-30 13:49:12
Local clock offset: -0.166 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-30 17:01:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.42 Mbit/s
95th percentile per-packet one-way delay: 101.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.90 Mbit/s
95th percentile per-packet one-way delay: 95.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 135.88 Mbit/s
95th percentile per-packet one-way delay: 111.485 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 98.812 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

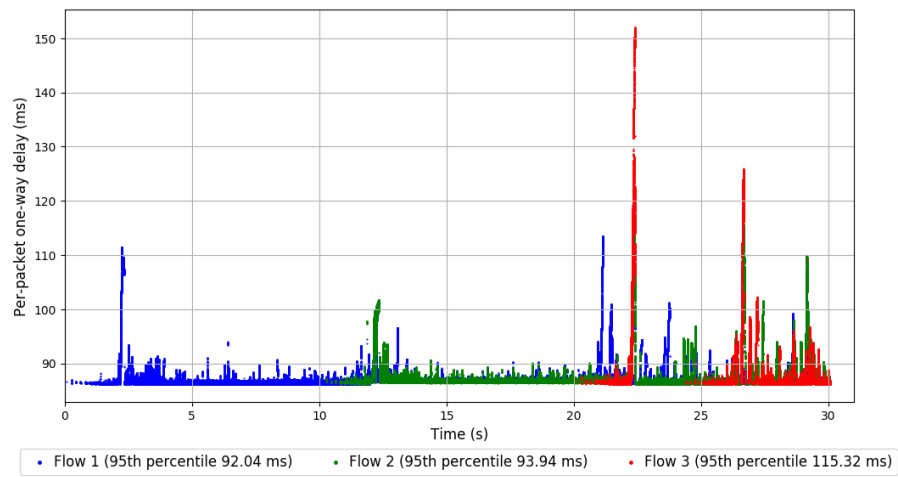
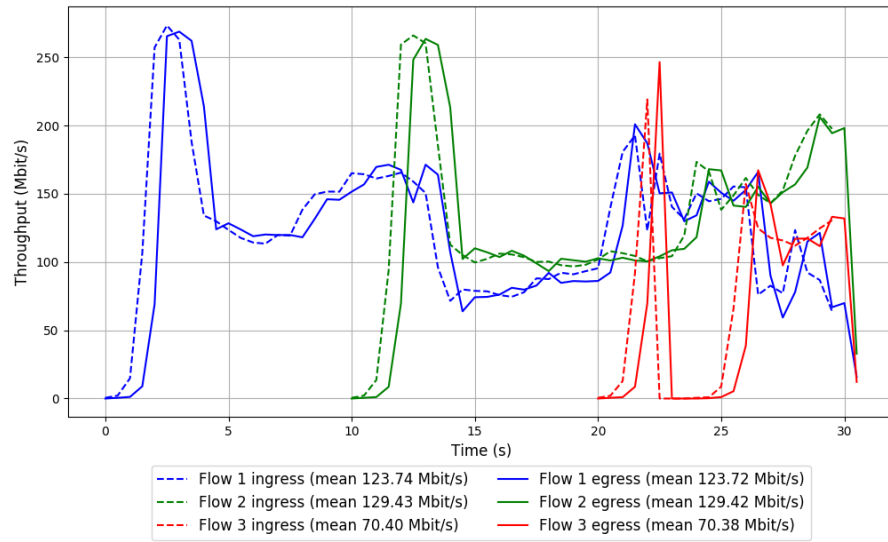


Run 5: Statistics of Copa

Start at: 2018-05-30 14:12:27
End at: 2018-05-30 14:12:57
Local clock offset: -0.362 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-05-30 17:01:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.32 Mbit/s
95th percentile per-packet one-way delay: 94.412 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 123.72 Mbit/s
95th percentile per-packet one-way delay: 92.036 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 129.42 Mbit/s
95th percentile per-packet one-way delay: 93.945 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 115.317 ms
Loss rate: 0.03%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-30 14:36:04

End at: 2018-05-30 14:36:34

Local clock offset: 0.064 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-05-30 17:01:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 285.07 Mbit/s

95th percentile per-packet one-way delay: 102.364 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 191.25 Mbit/s

95th percentile per-packet one-way delay: 103.305 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 97.88 Mbit/s

95th percentile per-packet one-way delay: 100.008 ms

Loss rate: 0.03%

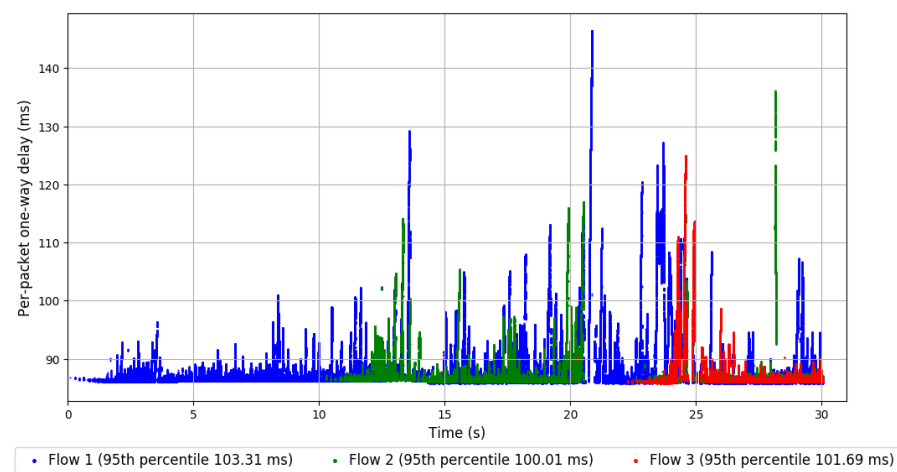
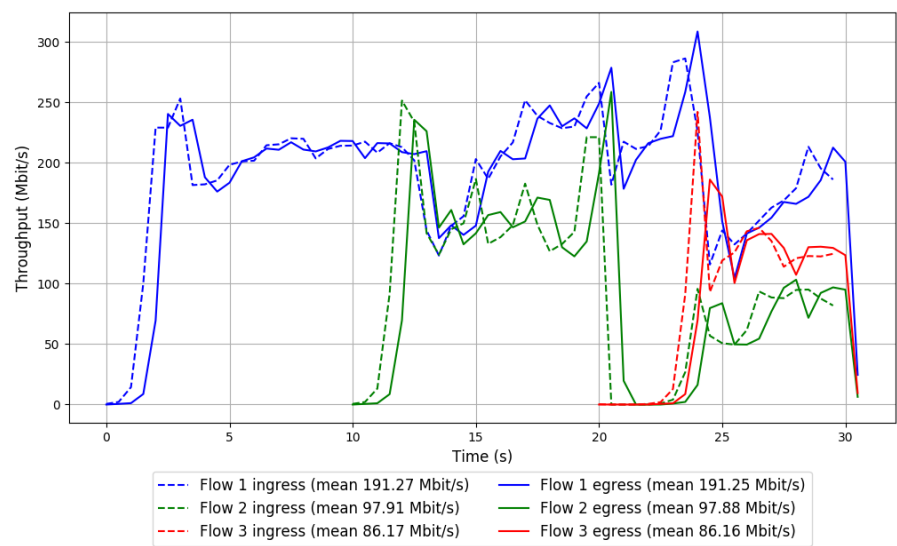
-- Flow 3:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 101.689 ms

Loss rate: 0.01%

Run 6: Report of Copa — Data Link

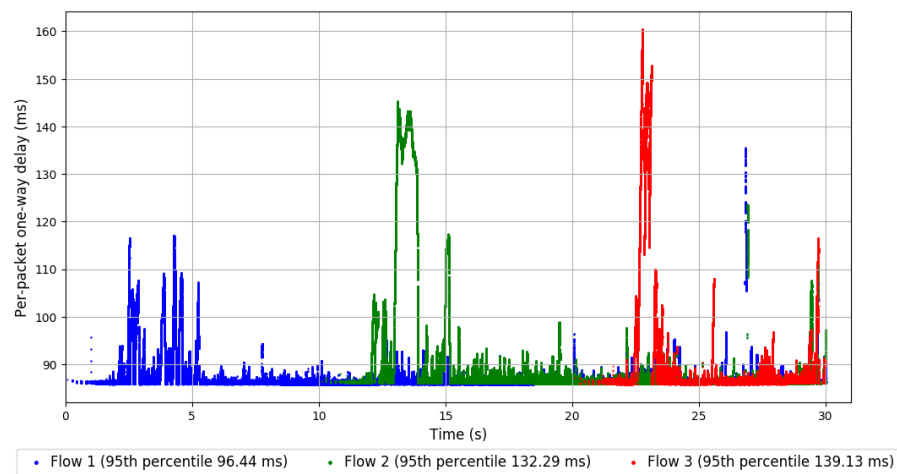
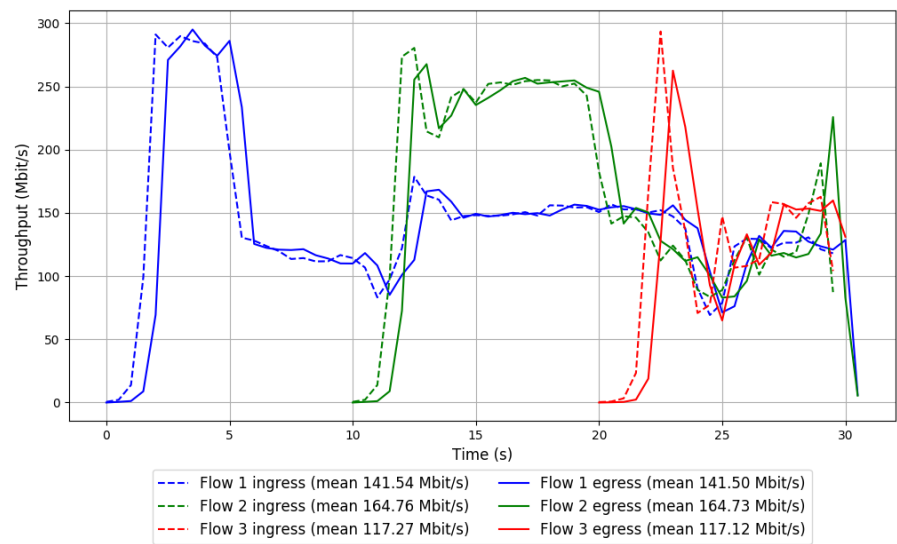


Run 7: Statistics of Copa

Start at: 2018-05-30 15:00:10
End at: 2018-05-30 15:00:40
Local clock offset: -0.058 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-30 17:03:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.81 Mbit/s
95th percentile per-packet one-way delay: 107.658 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 141.50 Mbit/s
95th percentile per-packet one-way delay: 96.442 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 164.73 Mbit/s
95th percentile per-packet one-way delay: 132.286 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 117.12 Mbit/s
95th percentile per-packet one-way delay: 139.127 ms
Loss rate: 0.09%

Run 7: Report of Copa — Data Link

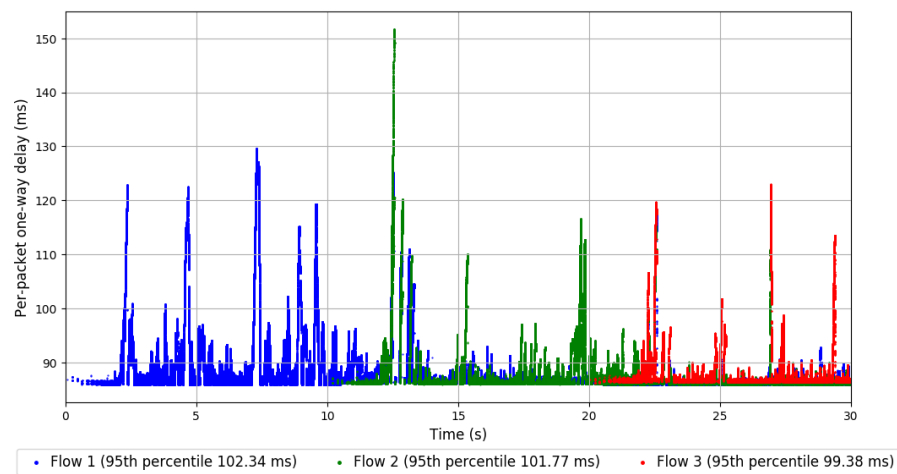
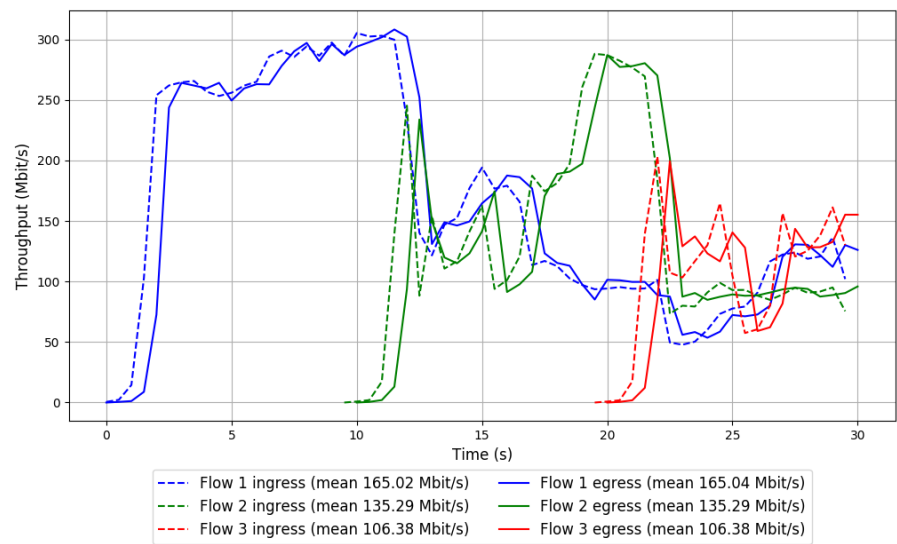


Run 8: Statistics of Copa

Start at: 2018-05-30 15:23:48
End at: 2018-05-30 15:24:18
Local clock offset: -0.152 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-30 17:03:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.81 Mbit/s
95th percentile per-packet one-way delay: 101.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.04 Mbit/s
95th percentile per-packet one-way delay: 102.342 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 135.29 Mbit/s
95th percentile per-packet one-way delay: 101.770 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.38 Mbit/s
95th percentile per-packet one-way delay: 99.378 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

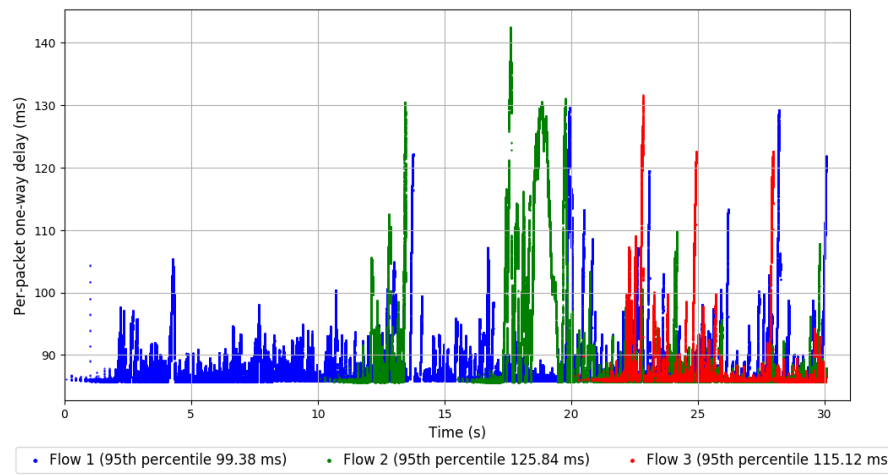
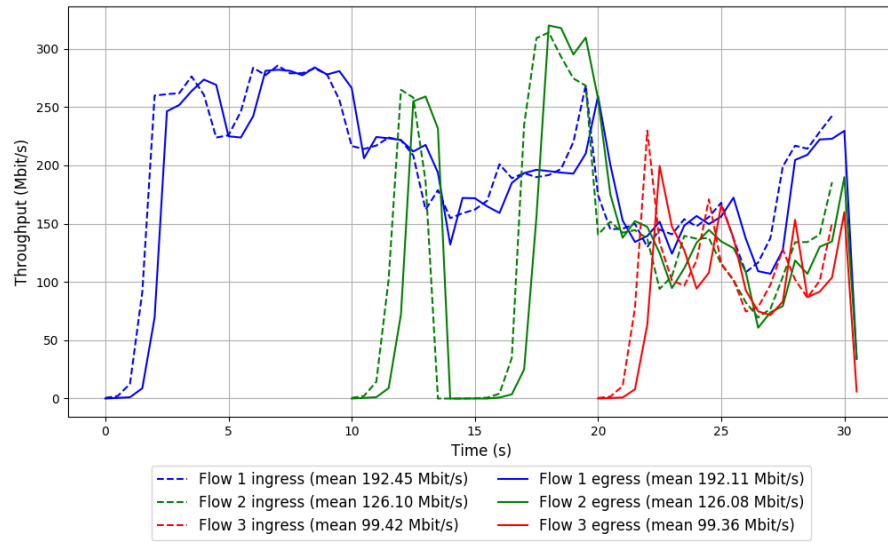


Run 9: Statistics of Copa

Start at: 2018-05-30 15:47:51
End at: 2018-05-30 15:48:21
Local clock offset: 0.109 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-30 17:07:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.05 Mbit/s
95th percentile per-packet one-way delay: 112.075 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 192.11 Mbit/s
95th percentile per-packet one-way delay: 99.381 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 126.08 Mbit/s
95th percentile per-packet one-way delay: 125.837 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 99.36 Mbit/s
95th percentile per-packet one-way delay: 115.118 ms
Loss rate: 0.06%

Run 9: Report of Copa — Data Link

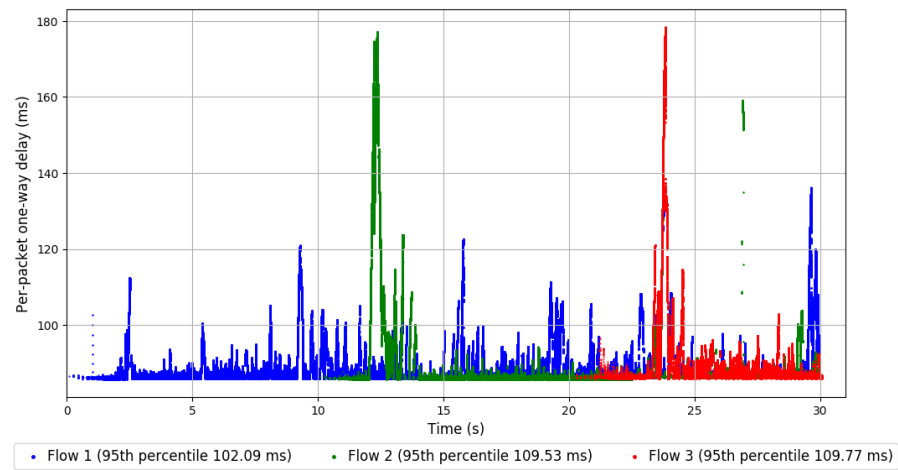
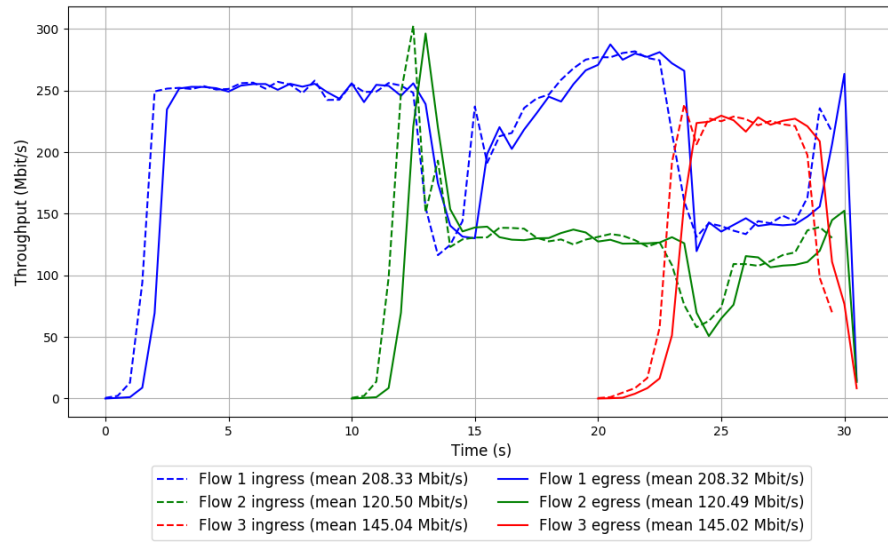


Run 10: Statistics of Copa

Start at: 2018-05-30 16:11:36
End at: 2018-05-30 16:12:06
Local clock offset: 0.119 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.77 Mbit/s
95th percentile per-packet one-way delay: 104.043 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 208.32 Mbit/s
95th percentile per-packet one-way delay: 102.087 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.49 Mbit/s
95th percentile per-packet one-way delay: 109.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.02 Mbit/s
95th percentile per-packet one-way delay: 109.774 ms
Loss rate: 0.01%

Run 10: Report of Copa — Data Link

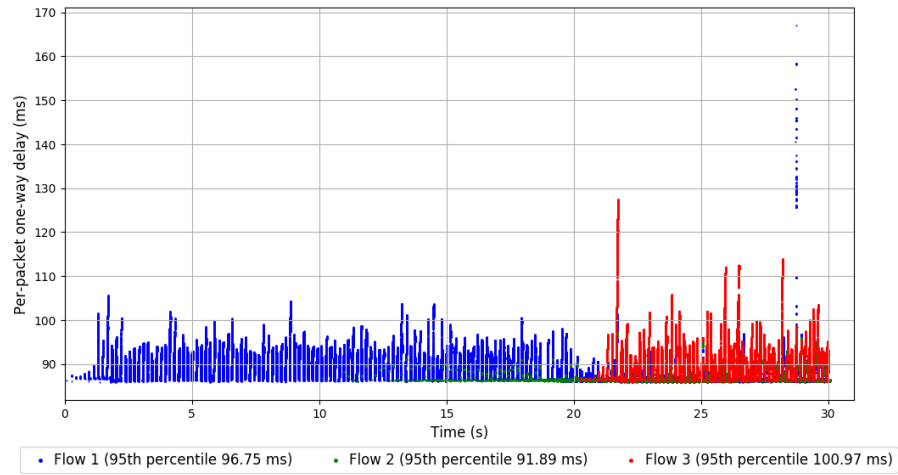
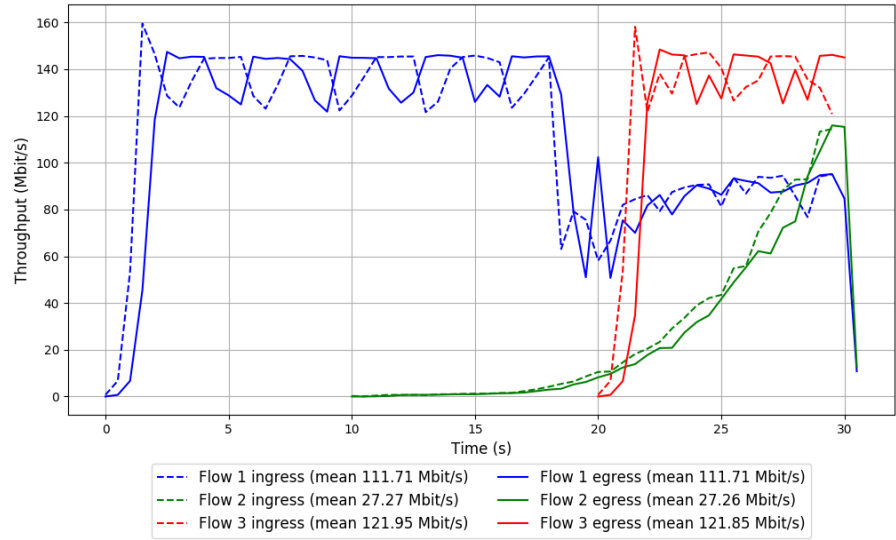


Run 1: Statistics of TCP Cubic

Start at: 2018-05-30 12:56:07
End at: 2018-05-30 12:56:37
Local clock offset: -0.057 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.02 Mbit/s
95th percentile per-packet one-way delay: 97.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.71 Mbit/s
95th percentile per-packet one-way delay: 96.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 91.887 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 121.85 Mbit/s
95th percentile per-packet one-way delay: 100.971 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

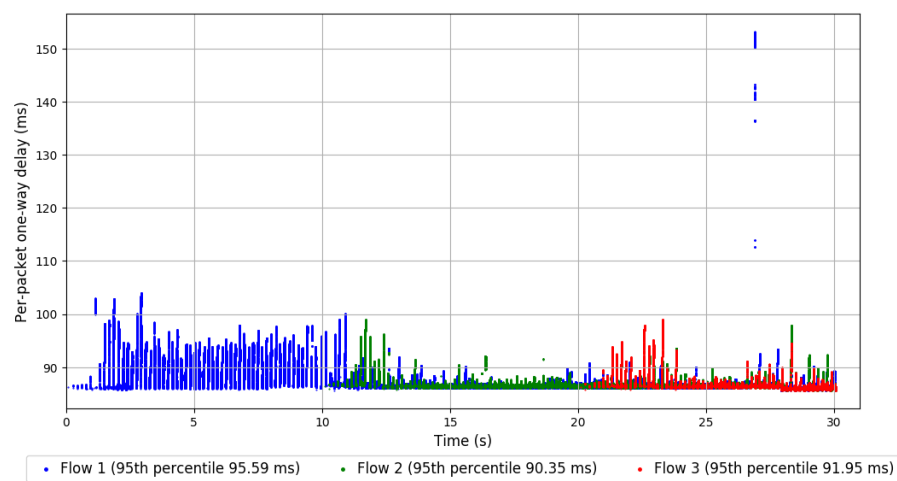
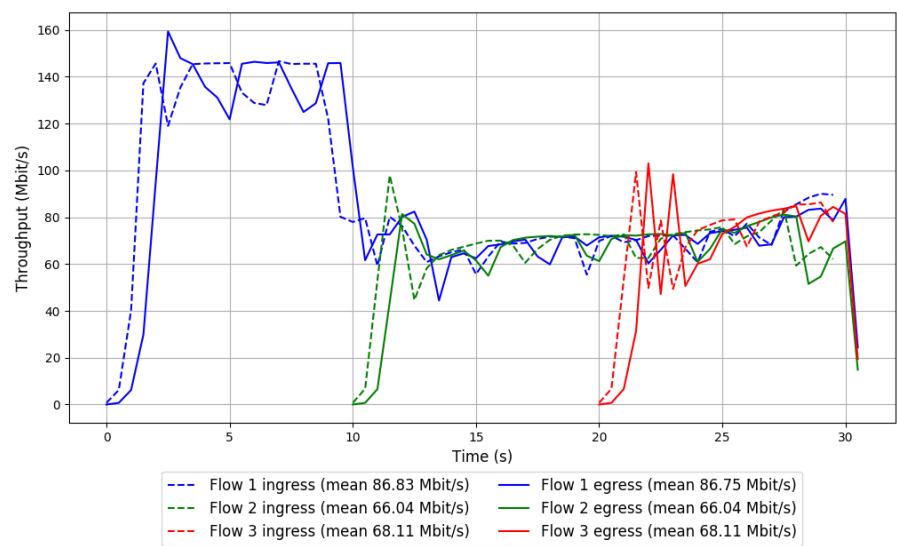


Run 2: Statistics of TCP Cubic

Start at: 2018-05-30 13:20:11
End at: 2018-05-30 13:20:41
Local clock offset: 0.188 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 153.32 Mbit/s
95th percentile per-packet one-way delay: 94.276 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 95.589 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 66.04 Mbit/s
95th percentile per-packet one-way delay: 90.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.11 Mbit/s
95th percentile per-packet one-way delay: 91.954 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

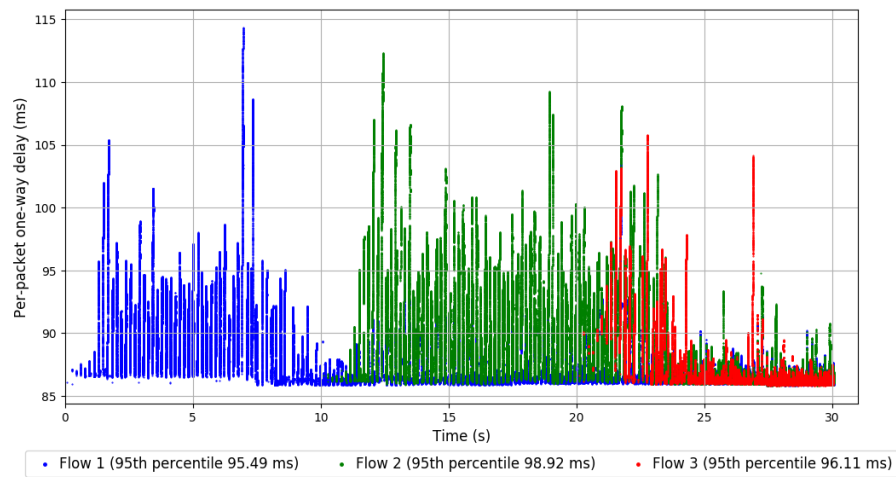
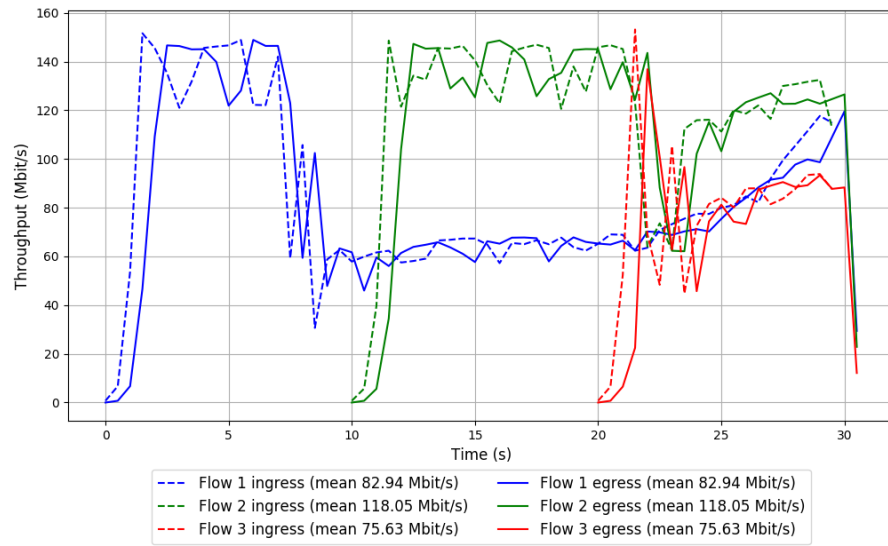


Run 3: Statistics of TCP Cubic

Start at: 2018-05-30 13:44:11
End at: 2018-05-30 13:44:41
Local clock offset: 0.0 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.62 Mbit/s
95th percentile per-packet one-way delay: 97.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 95.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.05 Mbit/s
95th percentile per-packet one-way delay: 98.919 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 96.105 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link

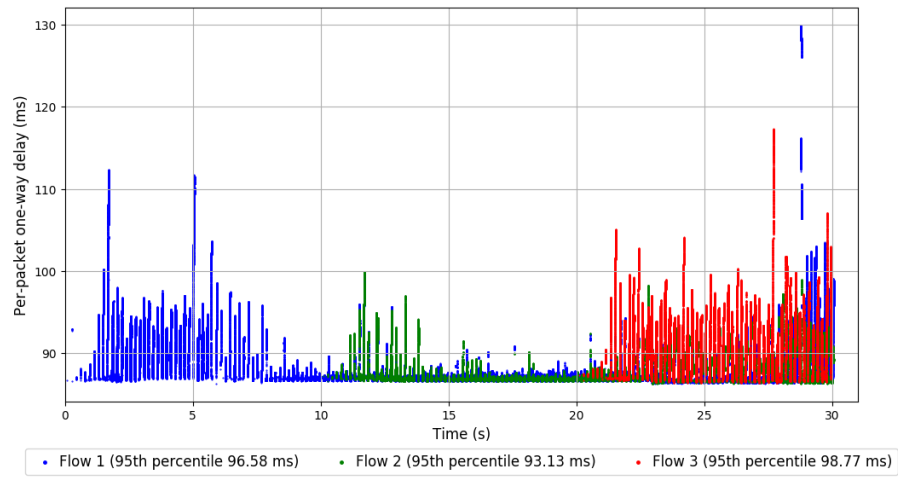
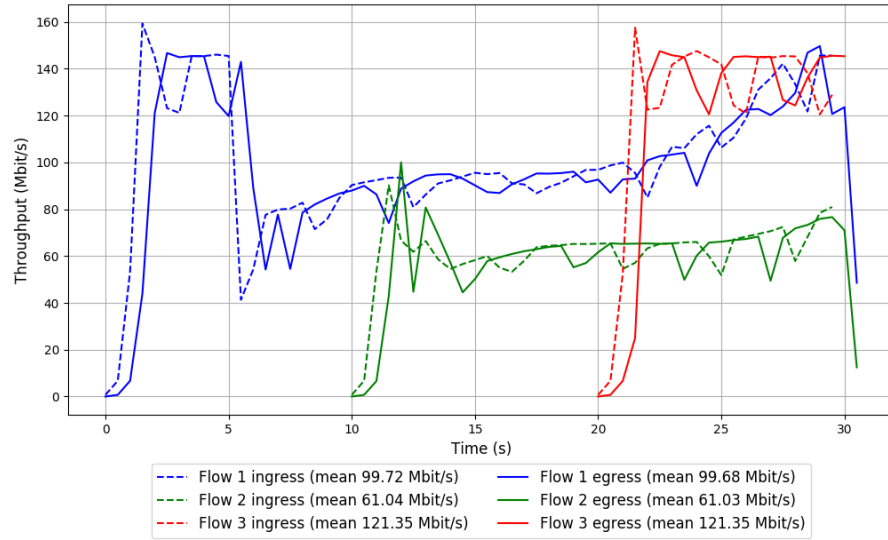


Run 4: Statistics of TCP Cubic

Start at: 2018-05-30 14:07:56
End at: 2018-05-30 14:08:26
Local clock offset: -0.381 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.31 Mbit/s
95th percentile per-packet one-way delay: 96.885 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.68 Mbit/s
95th percentile per-packet one-way delay: 96.579 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.03 Mbit/s
95th percentile per-packet one-way delay: 93.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.35 Mbit/s
95th percentile per-packet one-way delay: 98.766 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

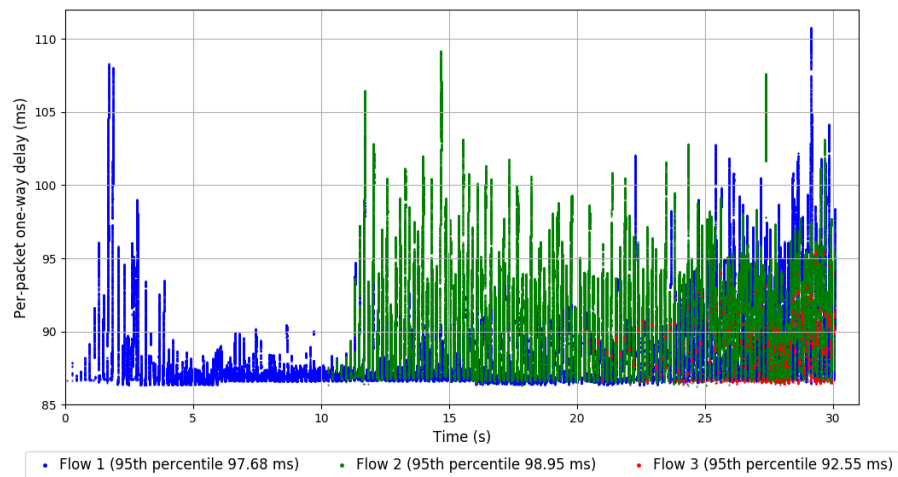
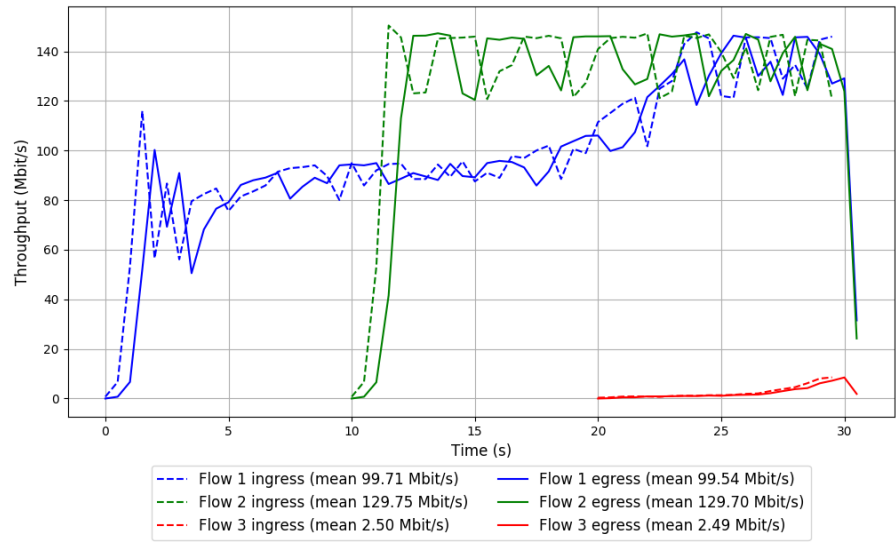


Run 5: Statistics of TCP Cubic

Start at: 2018-05-30 14:31:33
End at: 2018-05-30 14:32:03
Local clock offset: -0.293 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.59 Mbit/s
95th percentile per-packet one-way delay: 98.283 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 97.680 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 129.70 Mbit/s
95th percentile per-packet one-way delay: 98.950 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 92.550 ms
Loss rate: 0.39%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-30 14:55:37

End at: 2018-05-30 14:56:07

Local clock offset: 0.151 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-30 17:08:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 184.66 Mbit/s

95th percentile per-packet one-way delay: 96.949 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 122.21 Mbit/s

95th percentile per-packet one-way delay: 97.659 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.62 Mbit/s

95th percentile per-packet one-way delay: 92.501 ms

Loss rate: 0.05%

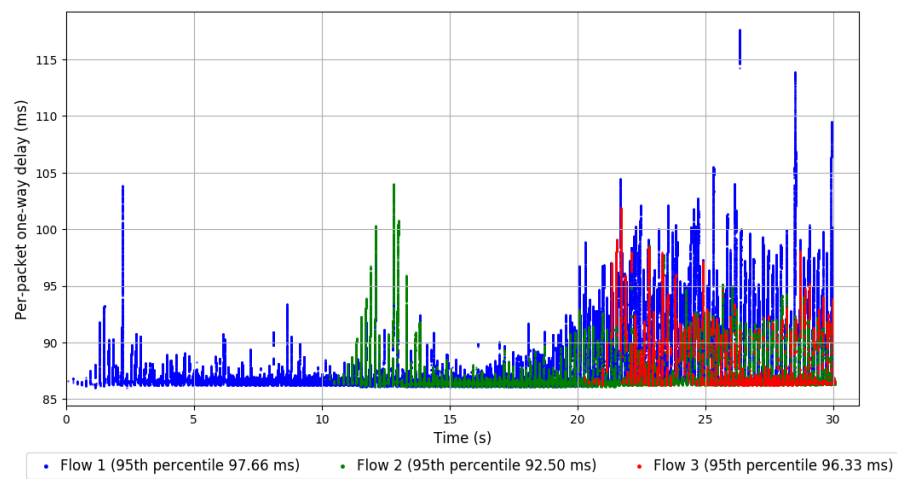
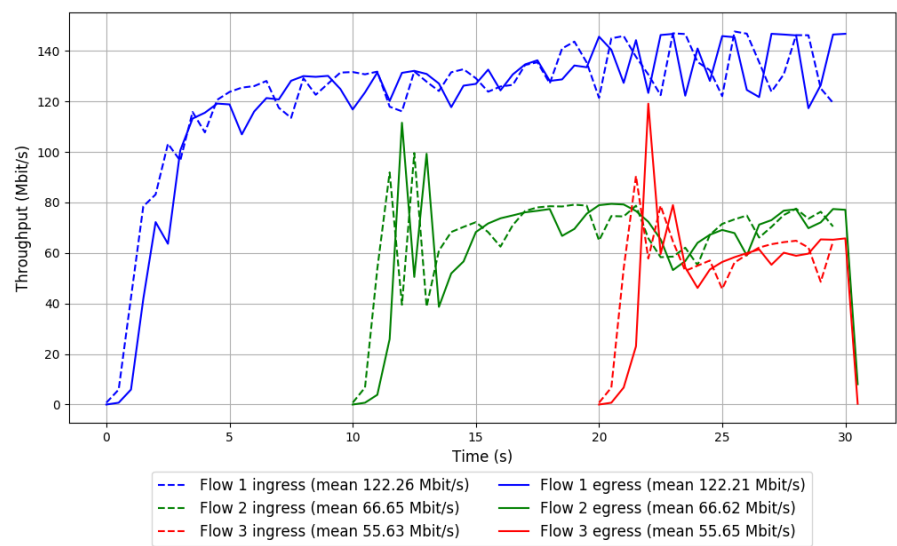
-- Flow 3:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 96.331 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

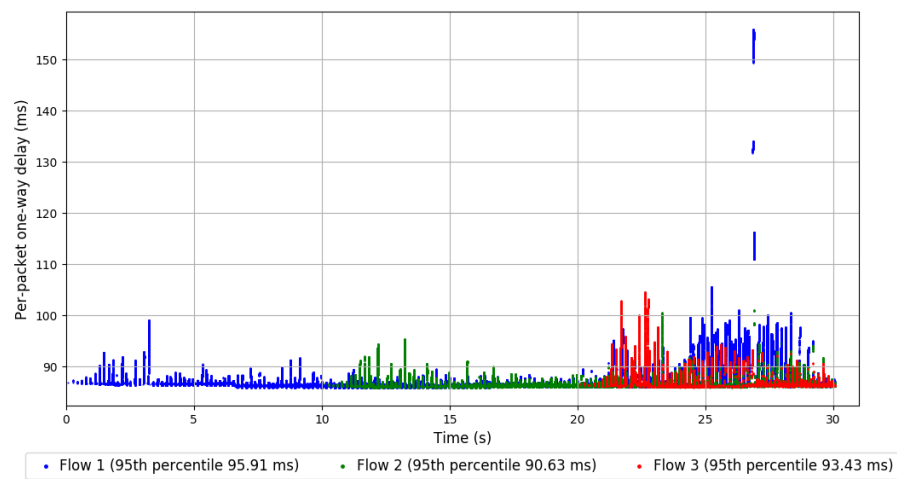
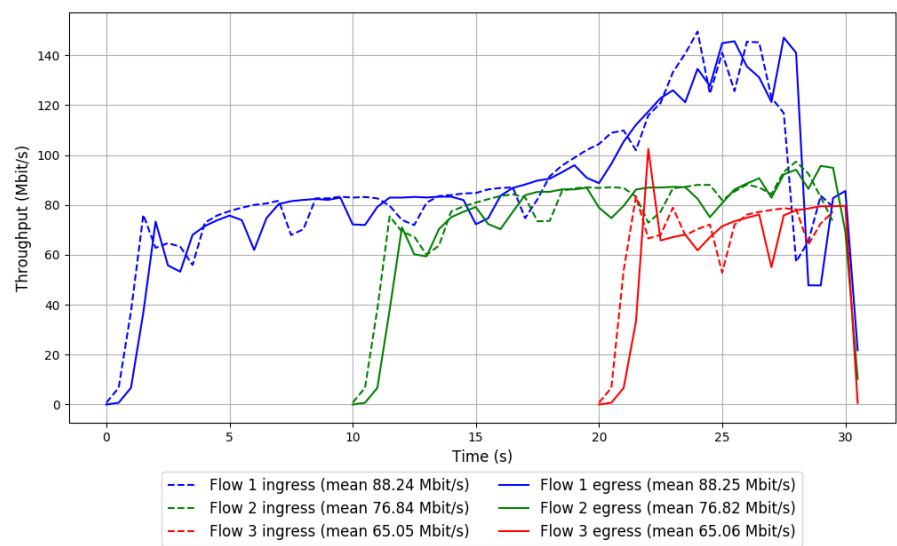


Run 7: Statistics of TCP Cubic

Start at: 2018-05-30 15:19:22
End at: 2018-05-30 15:19:52
Local clock offset: -0.044 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.02 Mbit/s
95th percentile per-packet one-way delay: 94.131 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 95.909 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 90.634 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 93.432 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-30 15:43:20

End at: 2018-05-30 15:43:50

Local clock offset: -0.032 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-05-30 17:08:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 145.60 Mbit/s

95th percentile per-packet one-way delay: 94.772 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 96.136 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 93.399 ms

Loss rate: 0.00%

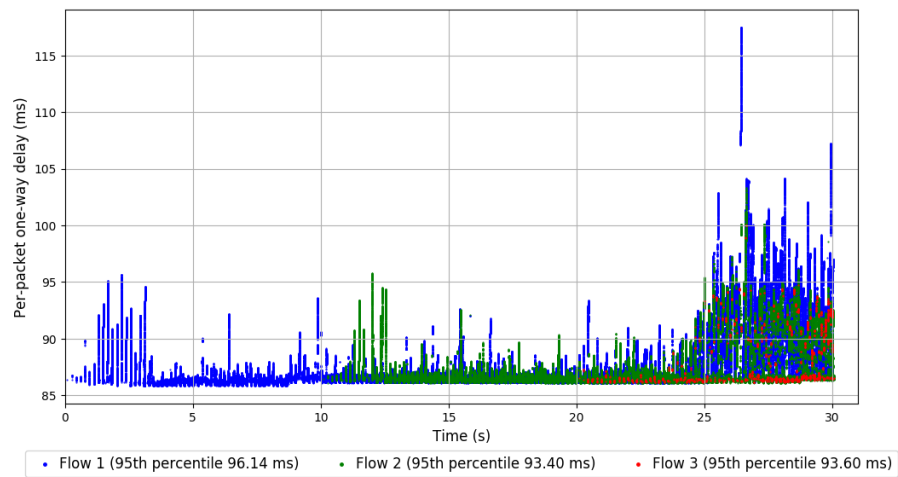
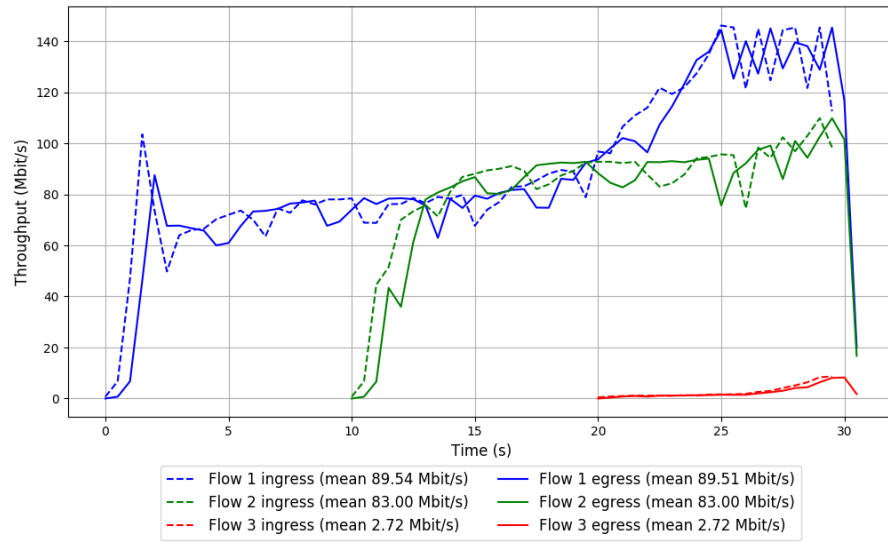
-- Flow 3:

Average throughput: 2.72 Mbit/s

95th percentile per-packet one-way delay: 93.596 ms

Loss rate: 0.22%

Run 8: Report of TCP Cubic — Data Link

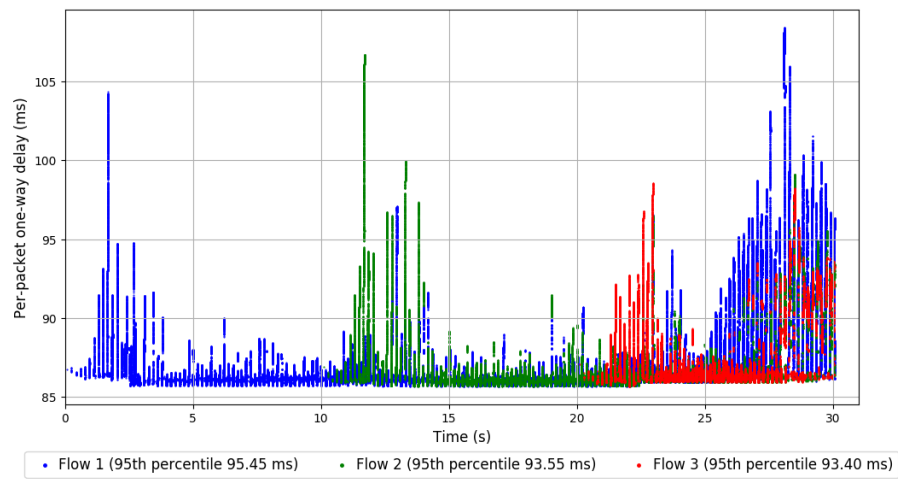
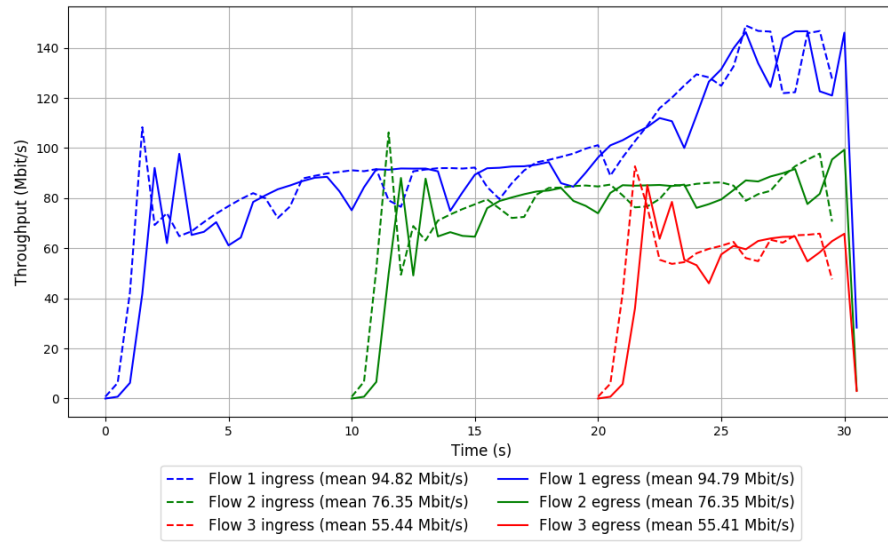


Run 9: Statistics of TCP Cubic

Start at: 2018-05-30 16:07:06
End at: 2018-05-30 16:07:36
Local clock offset: 0.108 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.05 Mbit/s
95th percentile per-packet one-way delay: 94.543 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 95.455 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 93.552 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 93.396 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

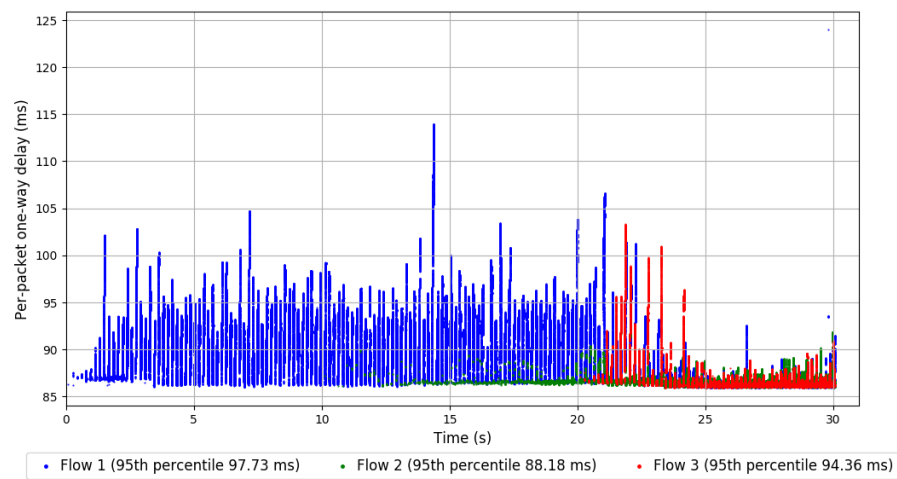
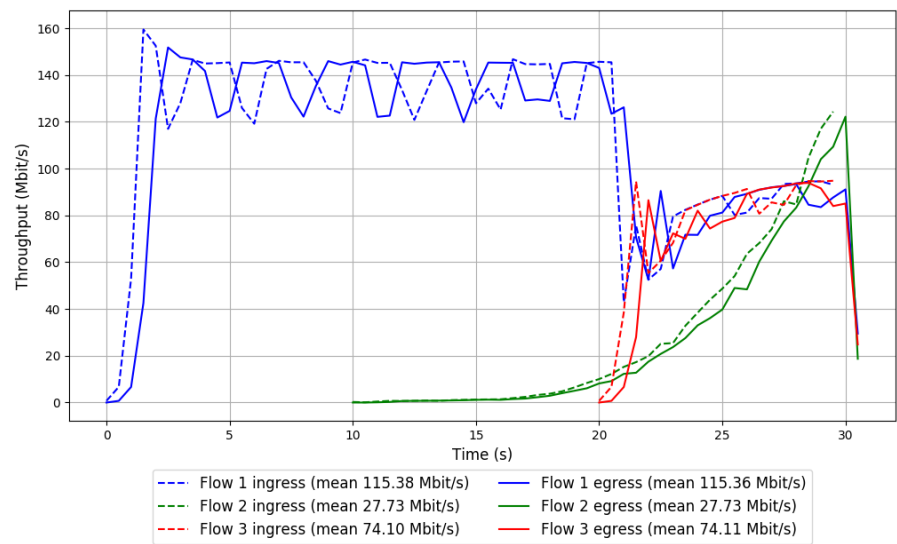


Run 10: Statistics of TCP Cubic

Start at: 2018-05-30 16:31:05
End at: 2018-05-30 16:31:35
Local clock offset: -0.091 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-30 17:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.42 Mbit/s
95th percentile per-packet one-way delay: 97.022 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 115.36 Mbit/s
95th percentile per-packet one-way delay: 97.732 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 88.183 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 94.360 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

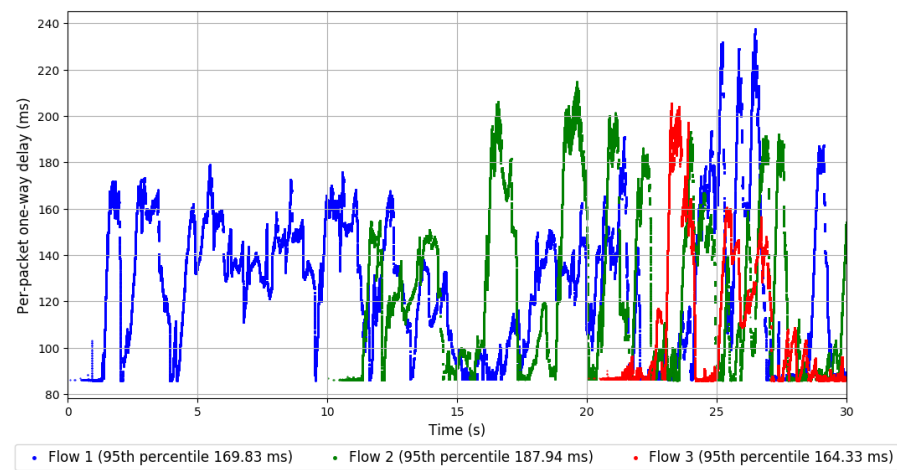
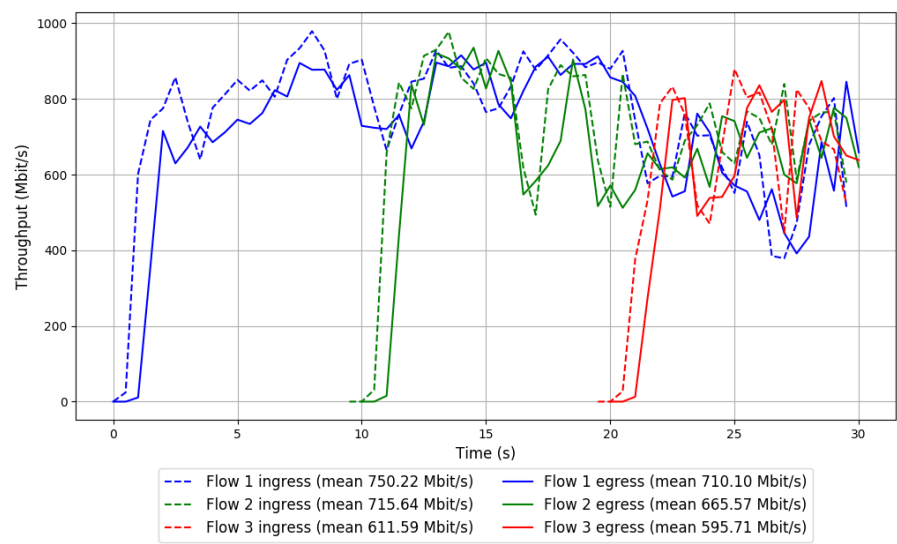


Run 1: Statistics of FillP

Start at: 2018-05-30 12:47:16
End at: 2018-05-30 12:47:46
Local clock offset: -0.013 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-30 17:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 1351.53 Mbit/s
95th percentile per-packet one-way delay: 179.364 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 710.10 Mbit/s
95th percentile per-packet one-way delay: 169.829 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 665.57 Mbit/s
95th percentile per-packet one-way delay: 187.943 ms
Loss rate: 6.99%
-- Flow 3:
Average throughput: 595.71 Mbit/s
95th percentile per-packet one-way delay: 164.330 ms
Loss rate: 2.60%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-30 13:11:18

End at: 2018-05-30 13:11:48

Local clock offset: -0.251 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-30 17:30:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1264.74 Mbit/s

95th percentile per-packet one-way delay: 201.569 ms

Loss rate: 6.24%

-- Flow 1:

Average throughput: 683.62 Mbit/s

95th percentile per-packet one-way delay: 169.767 ms

Loss rate: 6.73%

-- Flow 2:

Average throughput: 615.37 Mbit/s

95th percentile per-packet one-way delay: 223.639 ms

Loss rate: 6.65%

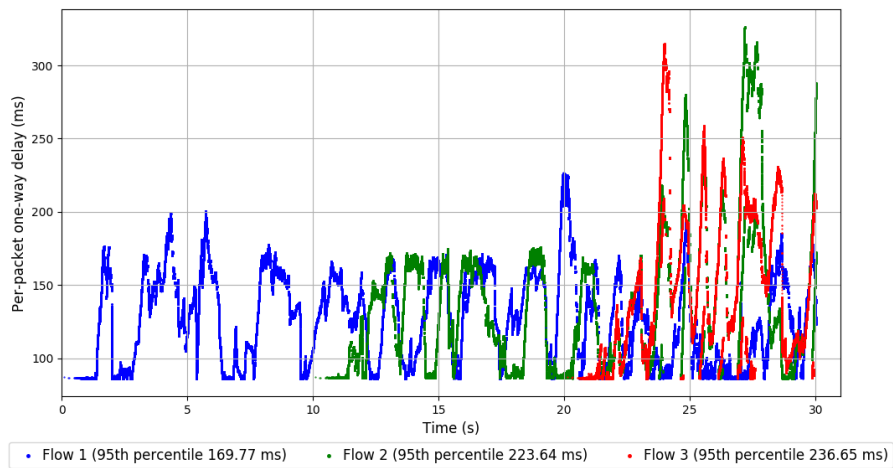
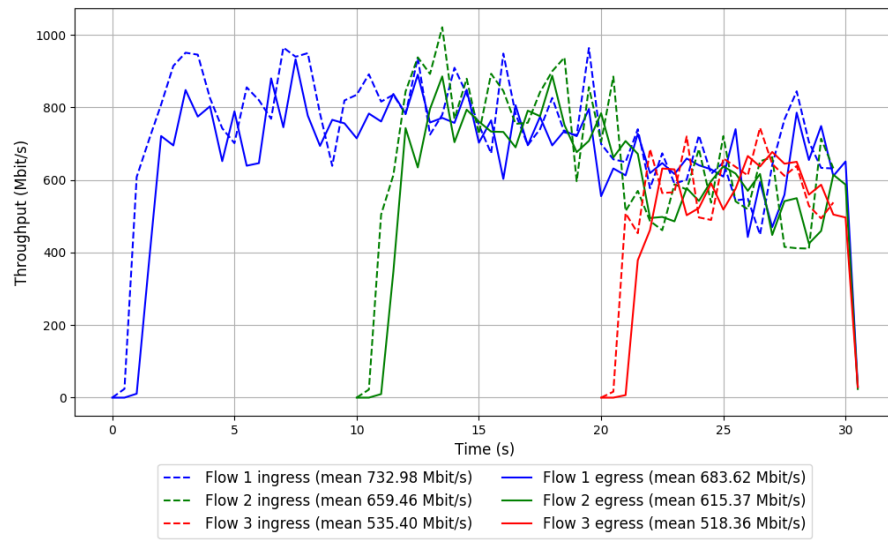
-- Flow 3:

Average throughput: 518.36 Mbit/s

95th percentile per-packet one-way delay: 236.647 ms

Loss rate: 3.16%

Run 2: Report of FillP — Data Link

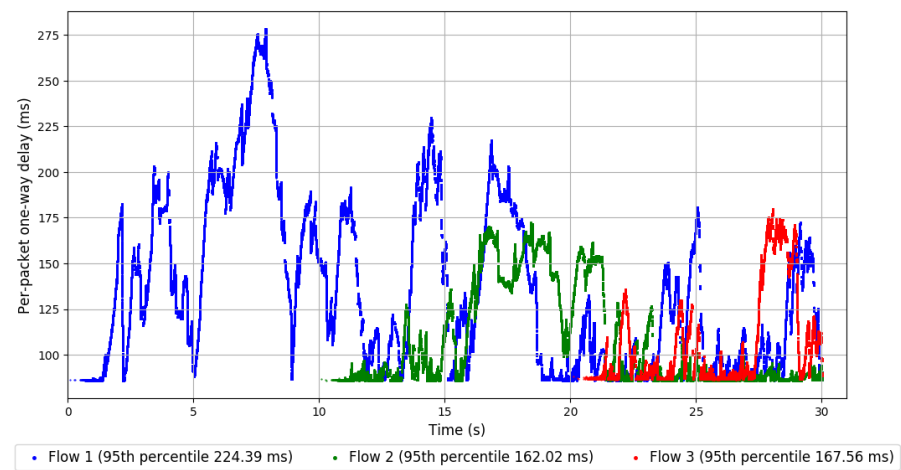
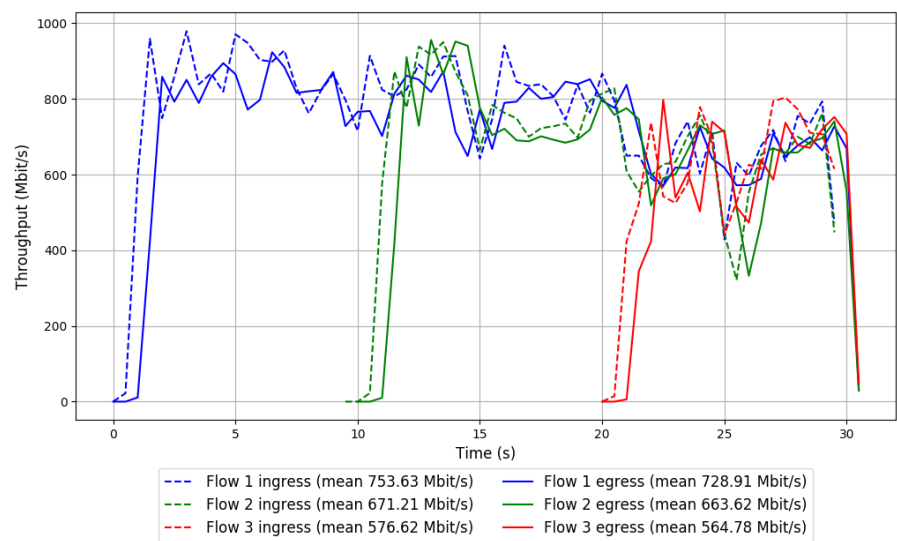


Run 3: Statistics of FillP

Start at: 2018-05-30 13:35:19
End at: 2018-05-30 13:35:49
Local clock offset: -0.033 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-30 17:31:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1357.78 Mbit/s
95th percentile per-packet one-way delay: 201.501 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 728.91 Mbit/s
95th percentile per-packet one-way delay: 224.394 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 663.62 Mbit/s
95th percentile per-packet one-way delay: 162.022 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 564.78 Mbit/s
95th percentile per-packet one-way delay: 167.561 ms
Loss rate: 2.04%

Run 3: Report of FillP — Data Link

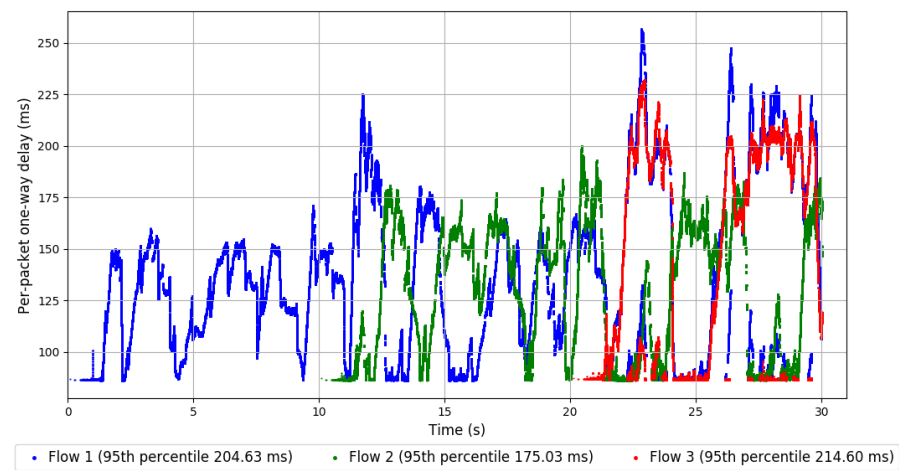
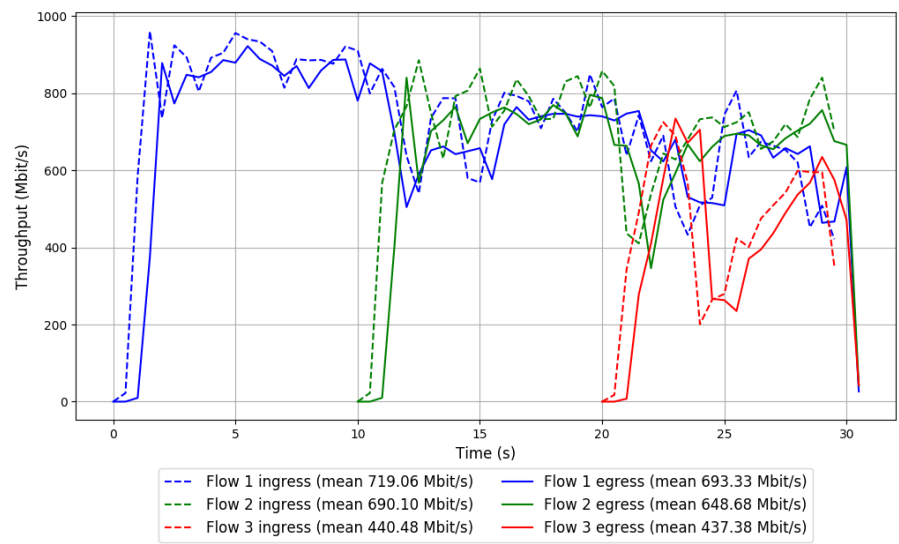


Run 4: Statistics of FillP

Start at: 2018-05-30 13:59:07
End at: 2018-05-30 13:59:38
Local clock offset: -0.166 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-30 17:31:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1270.18 Mbit/s
95th percentile per-packet one-way delay: 204.185 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 693.33 Mbit/s
95th percentile per-packet one-way delay: 204.635 ms
Loss rate: 3.58%
-- Flow 2:
Average throughput: 648.68 Mbit/s
95th percentile per-packet one-way delay: 175.030 ms
Loss rate: 6.01%
-- Flow 3:
Average throughput: 437.38 Mbit/s
95th percentile per-packet one-way delay: 214.604 ms
Loss rate: 0.73%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-30 14:22:51

End at: 2018-05-30 14:23:21

Local clock offset: -0.012 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-05-30 17:31:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1155.39 Mbit/s

95th percentile per-packet one-way delay: 233.684 ms

Loss rate: 2.71%

-- Flow 1:

Average throughput: 625.64 Mbit/s

95th percentile per-packet one-way delay: 237.968 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 533.88 Mbit/s

95th percentile per-packet one-way delay: 239.148 ms

Loss rate: 3.01%

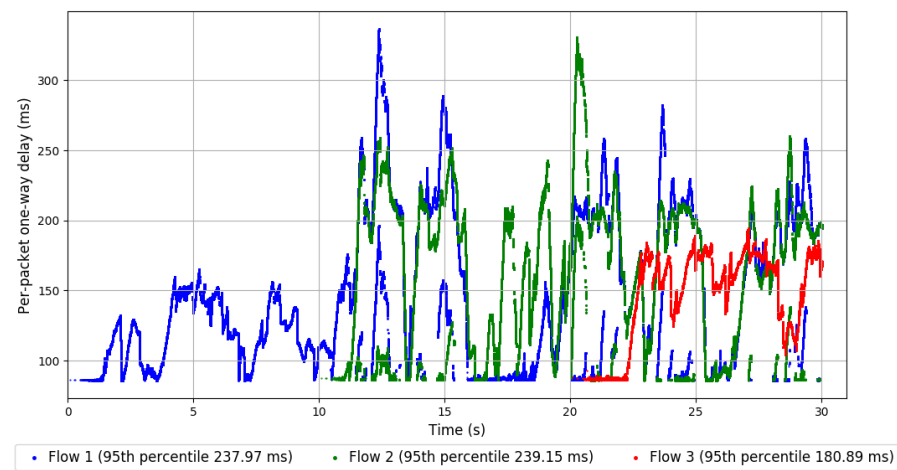
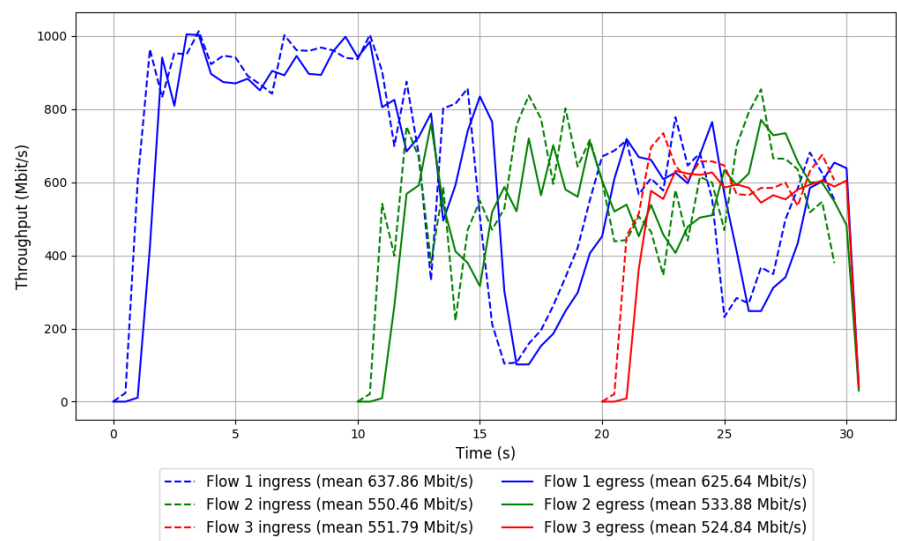
-- Flow 3:

Average throughput: 524.84 Mbit/s

95th percentile per-packet one-way delay: 180.894 ms

Loss rate: 4.88%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-30 14:46:45

End at: 2018-05-30 14:47:15

Local clock offset: -0.095 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-05-30 17:31:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1322.87 Mbit/s

95th percentile per-packet one-way delay: 198.094 ms

Loss rate: 2.96%

-- Flow 1:

Average throughput: 721.07 Mbit/s

95th percentile per-packet one-way delay: 222.007 ms

Loss rate: 3.38%

-- Flow 2:

Average throughput: 636.45 Mbit/s

95th percentile per-packet one-way delay: 168.424 ms

Loss rate: 3.31%

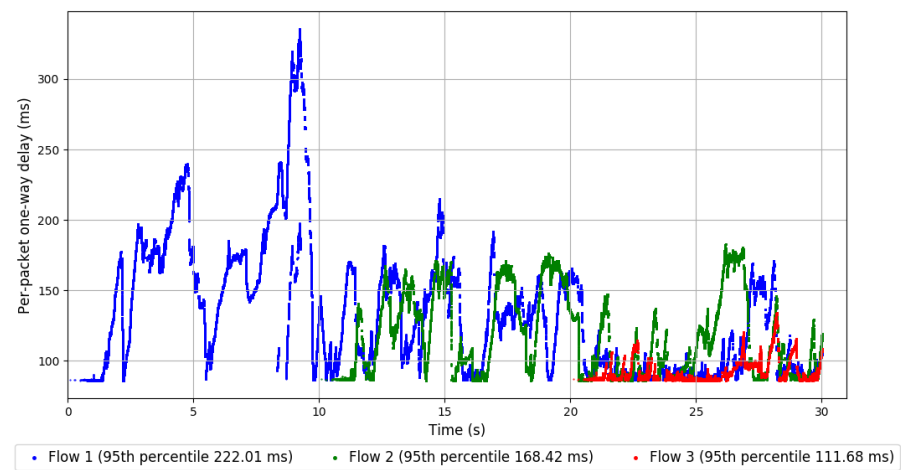
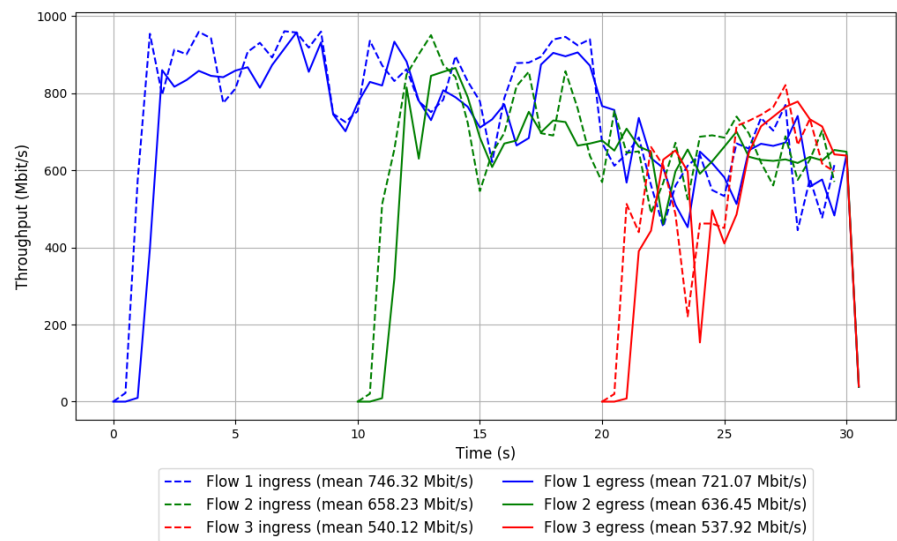
-- Flow 3:

Average throughput: 537.92 Mbit/s

95th percentile per-packet one-way delay: 111.682 ms

Loss rate: 0.39%

Run 6: Report of FillP — Data Link

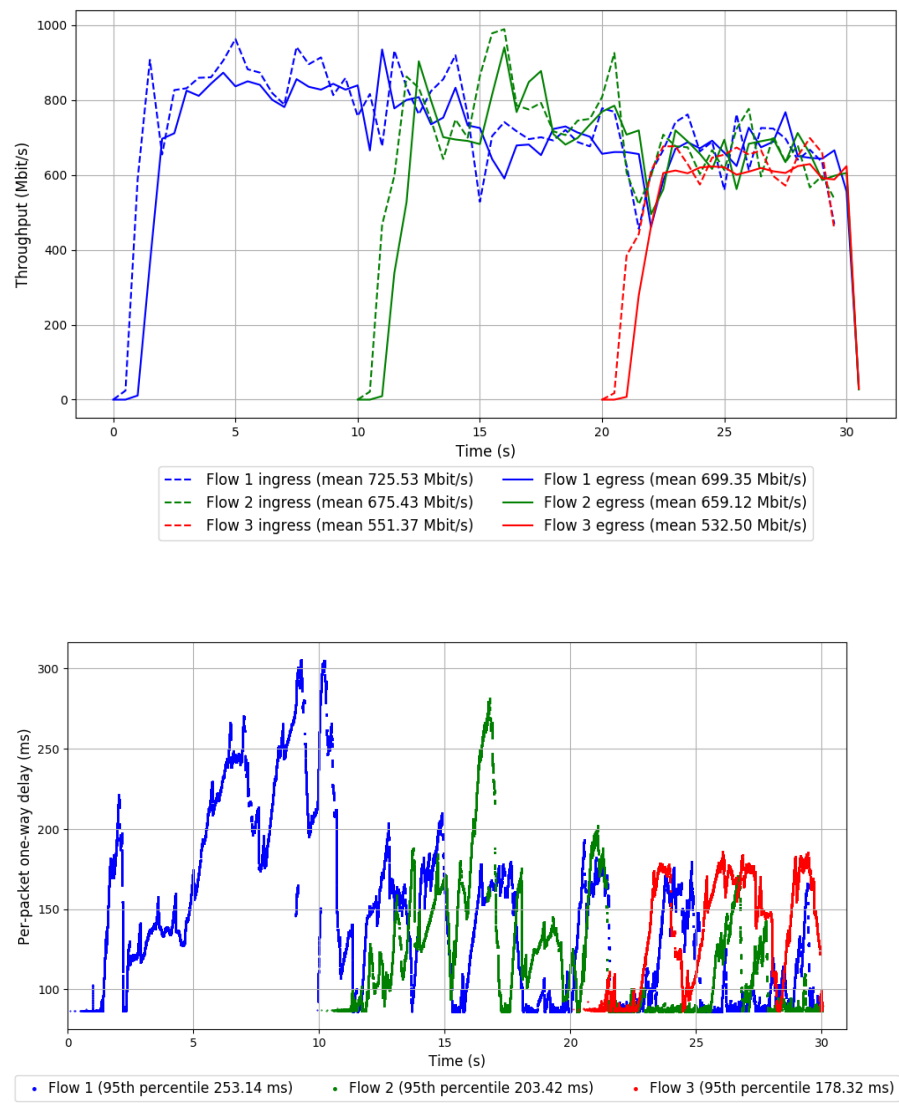


Run 7: Statistics of FillP

Start at: 2018-05-30 15:10:33
End at: 2018-05-30 15:11:03
Local clock offset: -0.355 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-30 17:32:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 1314.32 Mbit/s
95th percentile per-packet one-way delay: 244.055 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 699.35 Mbit/s
95th percentile per-packet one-way delay: 253.140 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 659.12 Mbit/s
95th percentile per-packet one-way delay: 203.420 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 532.50 Mbit/s
95th percentile per-packet one-way delay: 178.325 ms
Loss rate: 3.42%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-30 15:34:25

End at: 2018-05-30 15:34:55

Local clock offset: -0.286 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-05-30 17:34:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1350.20 Mbit/s

95th percentile per-packet one-way delay: 160.945 ms

Loss rate: 1.70%

-- Flow 1:

Average throughput: 743.20 Mbit/s

95th percentile per-packet one-way delay: 162.804 ms

Loss rate: 1.36%

-- Flow 2:

Average throughput: 701.70 Mbit/s

95th percentile per-packet one-way delay: 160.488 ms

Loss rate: 2.60%

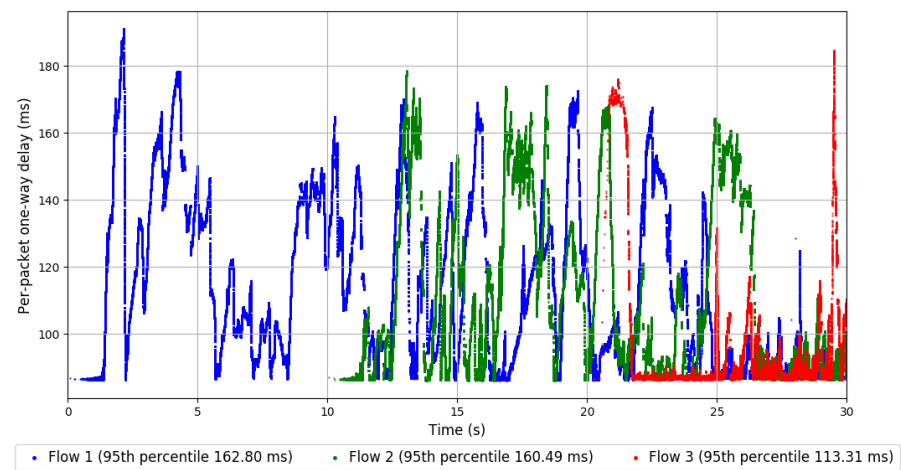
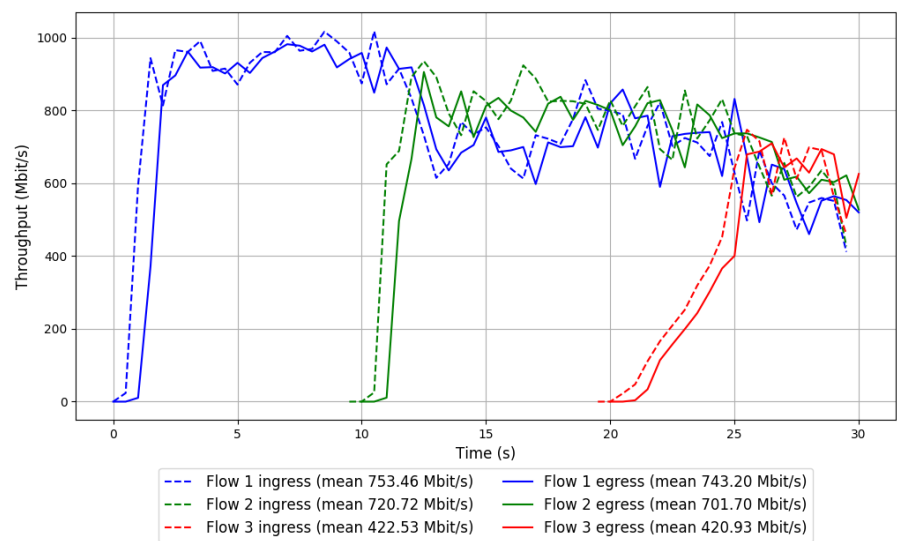
-- Flow 3:

Average throughput: 420.93 Mbit/s

95th percentile per-packet one-way delay: 113.314 ms

Loss rate: 0.40%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-30 15:58:21

End at: 2018-05-30 15:58:51

Local clock offset: -0.067 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-05-30 17:52:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 1222.20 Mbit/s

95th percentile per-packet one-way delay: 180.009 ms

Loss rate: 3.24%

-- Flow 1:

Average throughput: 673.89 Mbit/s

95th percentile per-packet one-way delay: 175.297 ms

Loss rate: 3.49%

-- Flow 2:

Average throughput: 575.46 Mbit/s

95th percentile per-packet one-way delay: 188.258 ms

Loss rate: 2.45%

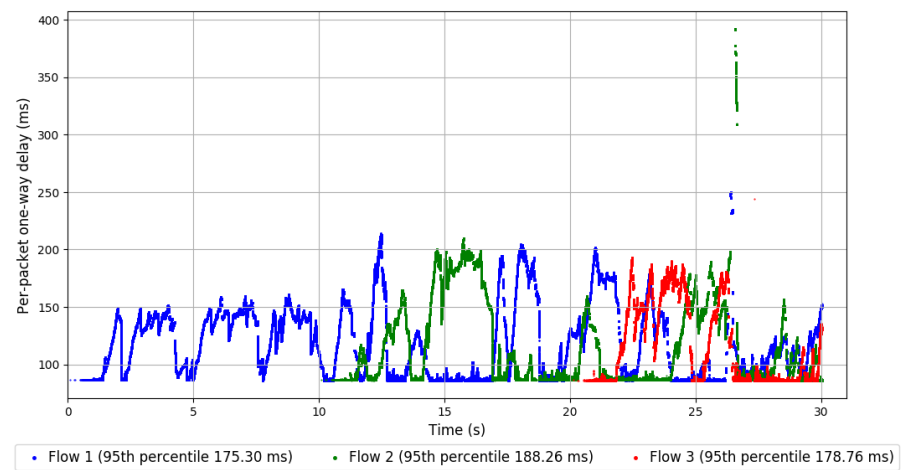
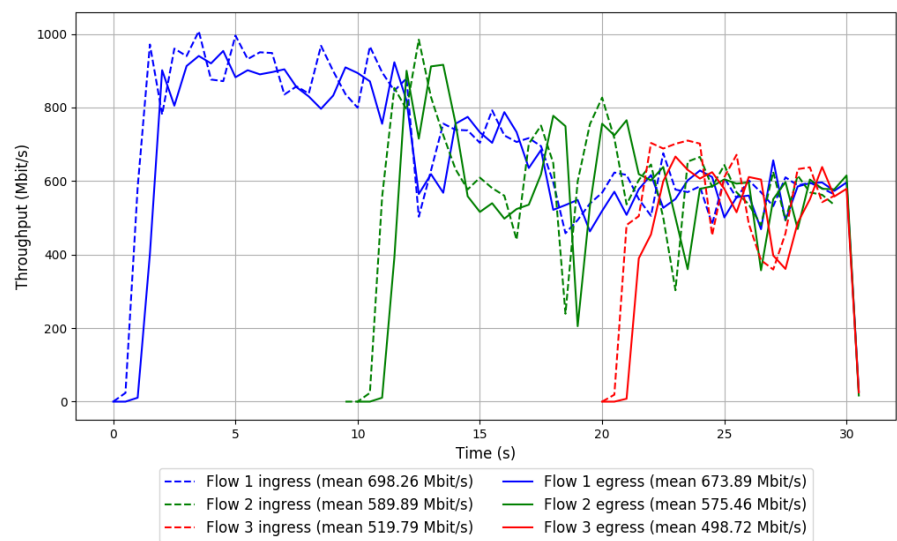
-- Flow 3:

Average throughput: 498.72 Mbit/s

95th percentile per-packet one-way delay: 178.764 ms

Loss rate: 4.04%

Run 9: Report of FillP — Data Link

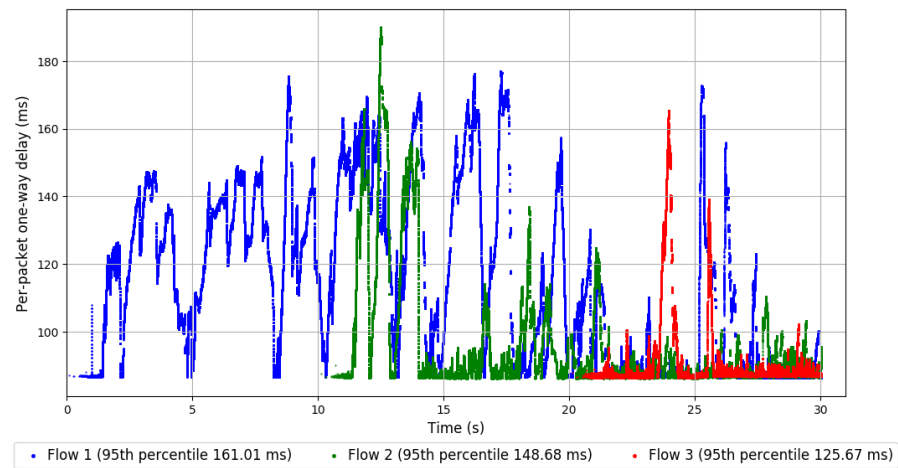
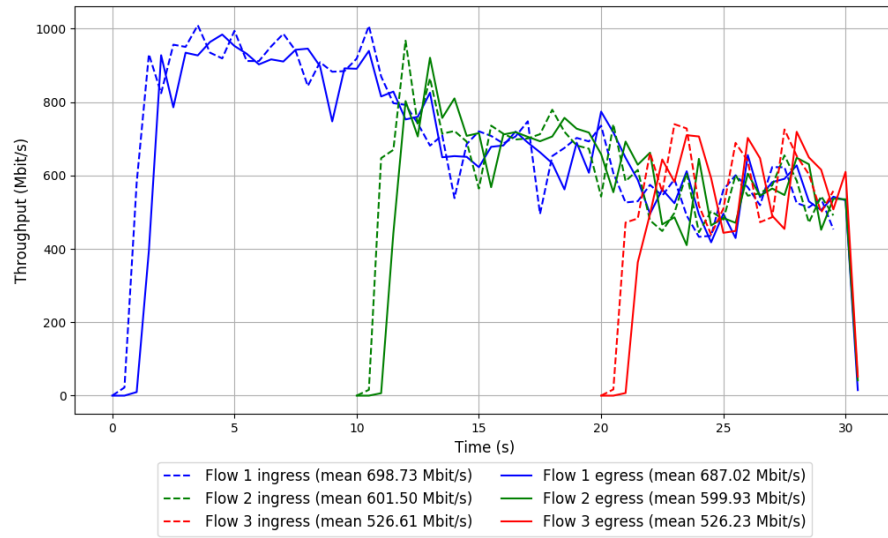


Run 10: Statistics of FillP

Start at: 2018-05-30 16:22:14
End at: 2018-05-30 16:22:44
Local clock offset: -0.264 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1260.23 Mbit/s
95th percentile per-packet one-way delay: 156.274 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 687.02 Mbit/s
95th percentile per-packet one-way delay: 161.013 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 599.93 Mbit/s
95th percentile per-packet one-way delay: 148.675 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 526.23 Mbit/s
95th percentile per-packet one-way delay: 125.674 ms
Loss rate: 0.08%

Run 10: Report of FillP — Data Link

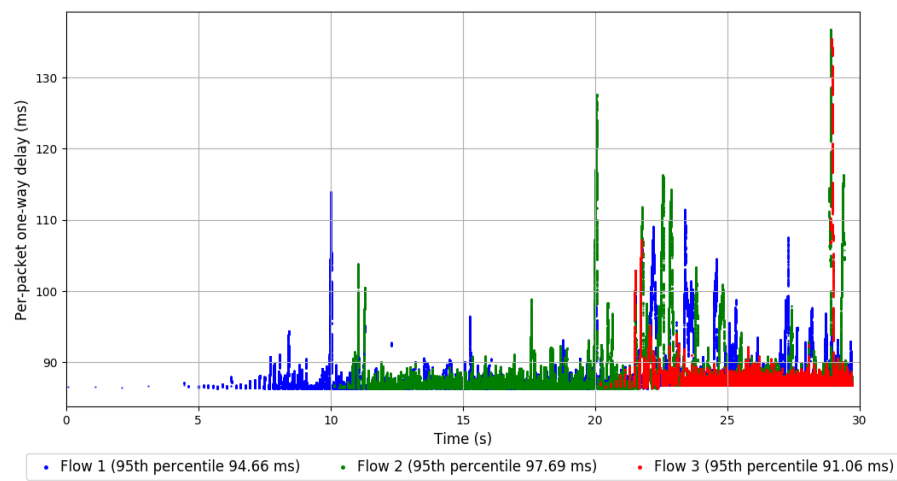
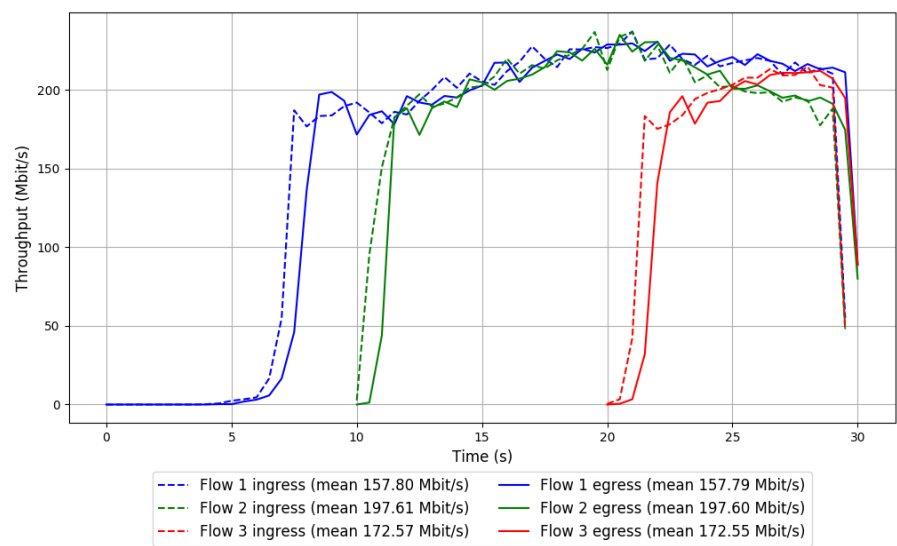


```
Run 1: Statistics of Indigo

Start at: 2018-05-30 12:35:06
End at: 2018-05-30 12:35:36
Local clock offset: -0.442 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-05-30 17:53:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 343.78 Mbit/s
95th percentile per-packet one-way delay: 95.363 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 157.79 Mbit/s
95th percentile per-packet one-way delay: 94.658 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 197.60 Mbit/s
95th percentile per-packet one-way delay: 97.692 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 172.55 Mbit/s
95th percentile per-packet one-way delay: 91.059 ms
Loss rate: 0.01%
```


Run 1: Report of Indigo — Data Link

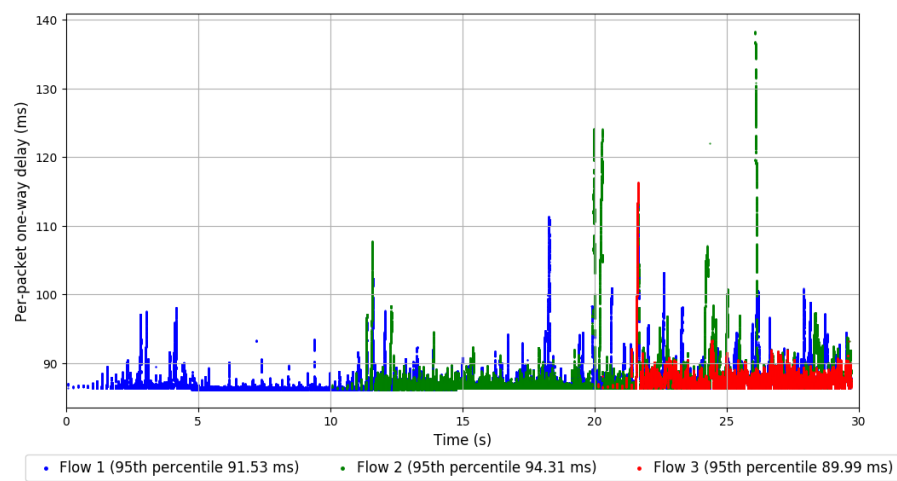
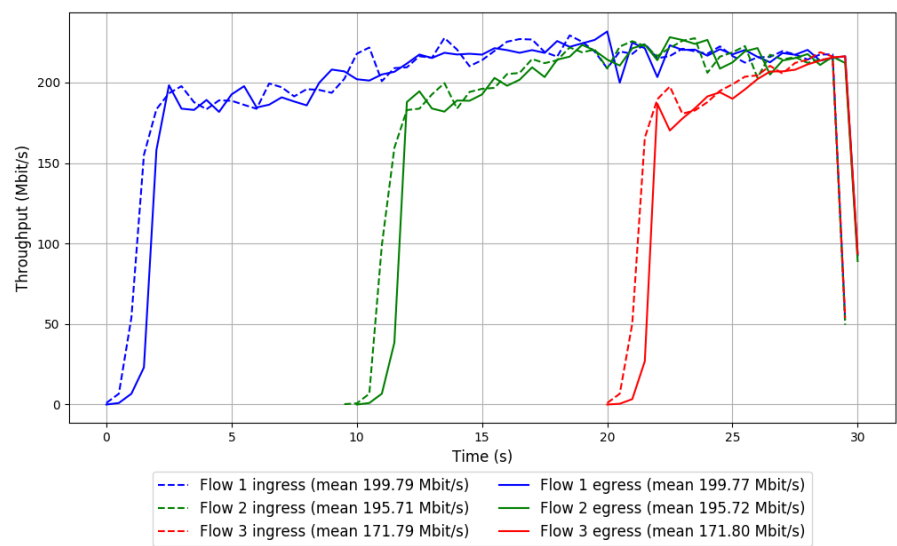


Run 2: Statistics of Indigo

Start at: 2018-05-30 12:59:04
End at: 2018-05-30 12:59:34
Local clock offset: -0.089 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.06 Mbit/s
95th percentile per-packet one-way delay: 91.799 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 199.77 Mbit/s
95th percentile per-packet one-way delay: 91.533 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 195.72 Mbit/s
95th percentile per-packet one-way delay: 94.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 171.80 Mbit/s
95th percentile per-packet one-way delay: 89.994 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

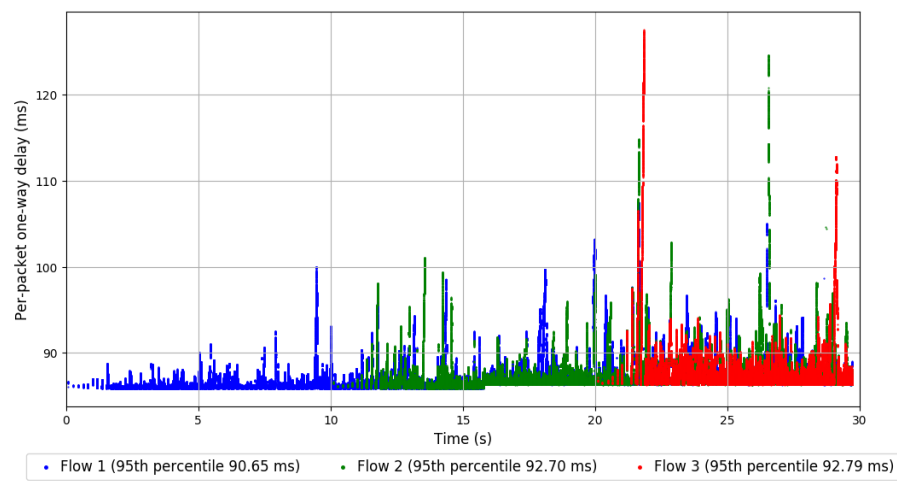
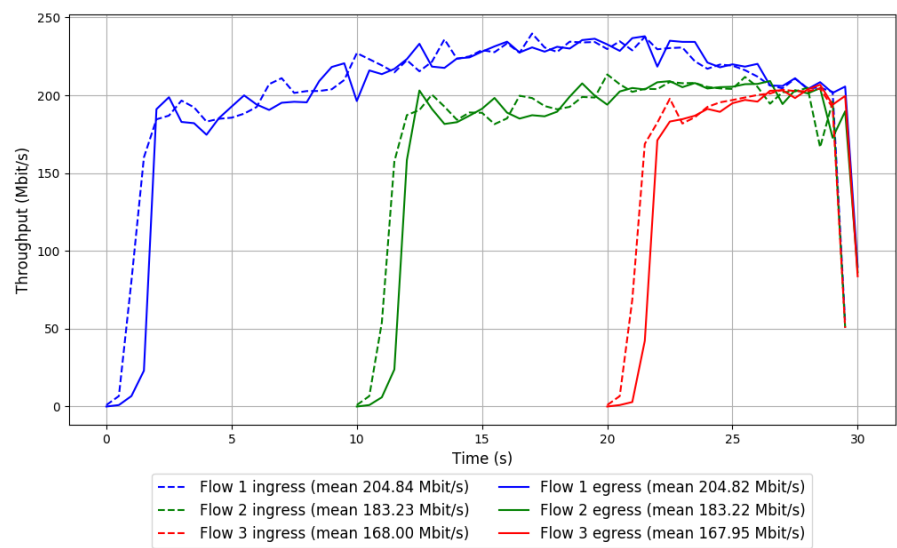


Run 3: Statistics of Indigo

Start at: 2018-05-30 13:23:03
End at: 2018-05-30 13:23:33
Local clock offset: -0.04 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 380.70 Mbit/s
95th percentile per-packet one-way delay: 91.765 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 204.82 Mbit/s
95th percentile per-packet one-way delay: 90.651 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 183.22 Mbit/s
95th percentile per-packet one-way delay: 92.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.95 Mbit/s
95th percentile per-packet one-way delay: 92.792 ms
Loss rate: 0.04%

Run 3: Report of Indigo — Data Link

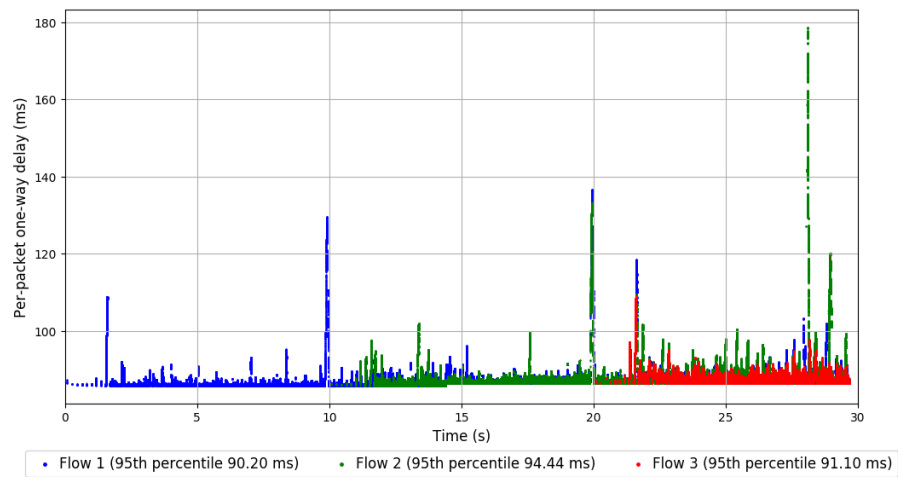
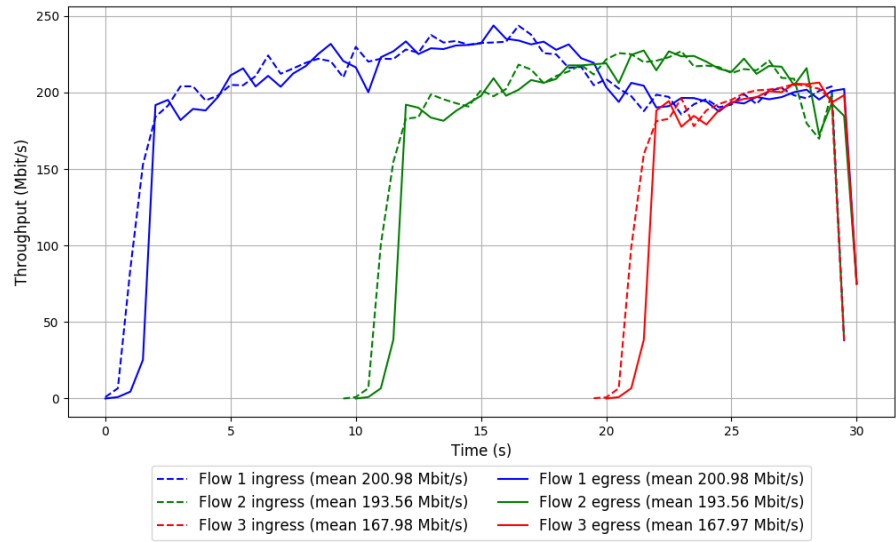


Run 4: Statistics of Indigo

Start at: 2018-05-30 13:47:04
End at: 2018-05-30 13:47:34
Local clock offset: -0.039 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.69 Mbit/s
95th percentile per-packet one-way delay: 91.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.98 Mbit/s
95th percentile per-packet one-way delay: 90.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 193.56 Mbit/s
95th percentile per-packet one-way delay: 94.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.97 Mbit/s
95th percentile per-packet one-way delay: 91.103 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-30 14:10:49

End at: 2018-05-30 14:11:19

Local clock offset: 0.25 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.89 Mbit/s

95th percentile per-packet one-way delay: 89.661 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 197.55 Mbit/s

95th percentile per-packet one-way delay: 89.395 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 190.62 Mbit/s

95th percentile per-packet one-way delay: 89.605 ms

Loss rate: 0.03%

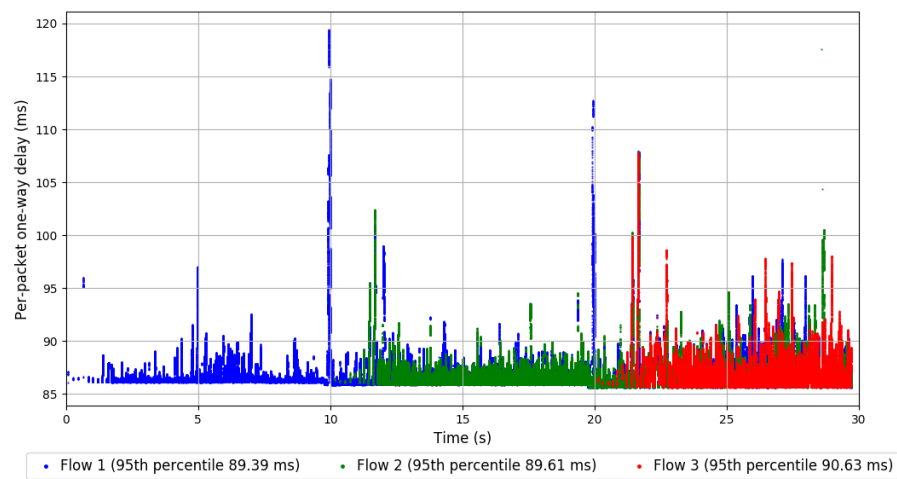
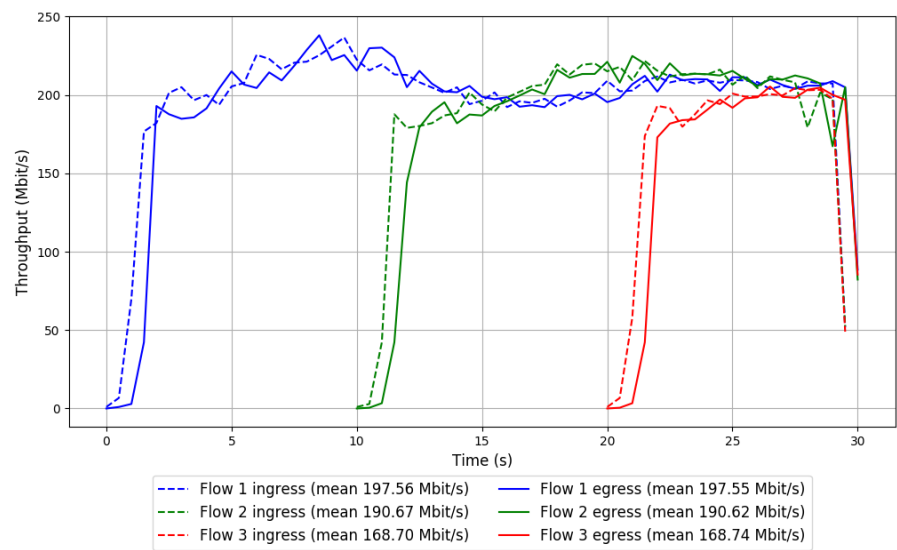
-- Flow 3:

Average throughput: 168.74 Mbit/s

95th percentile per-packet one-way delay: 90.634 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-30 14:34:27

End at: 2018-05-30 14:34:57

Local clock offset: -0.013 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.16 Mbit/s

95th percentile per-packet one-way delay: 89.514 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 190.00 Mbit/s

95th percentile per-packet one-way delay: 89.026 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 191.22 Mbit/s

95th percentile per-packet one-way delay: 90.139 ms

Loss rate: 0.01%

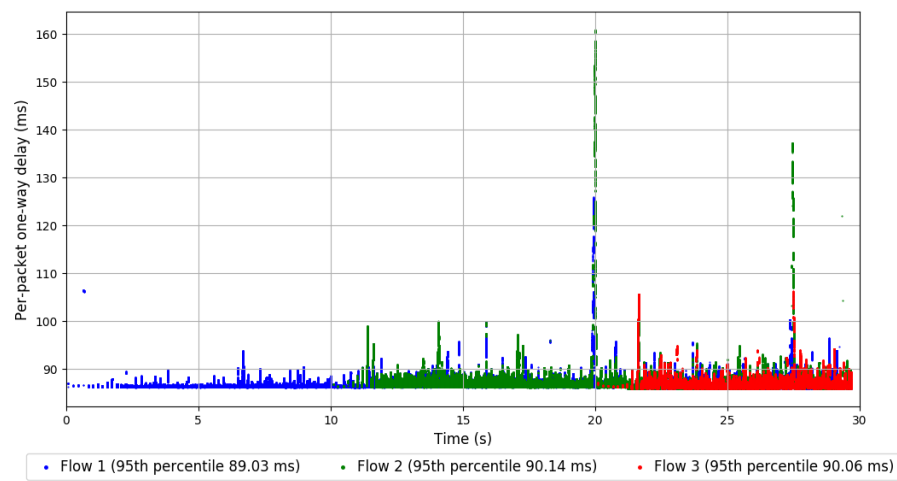
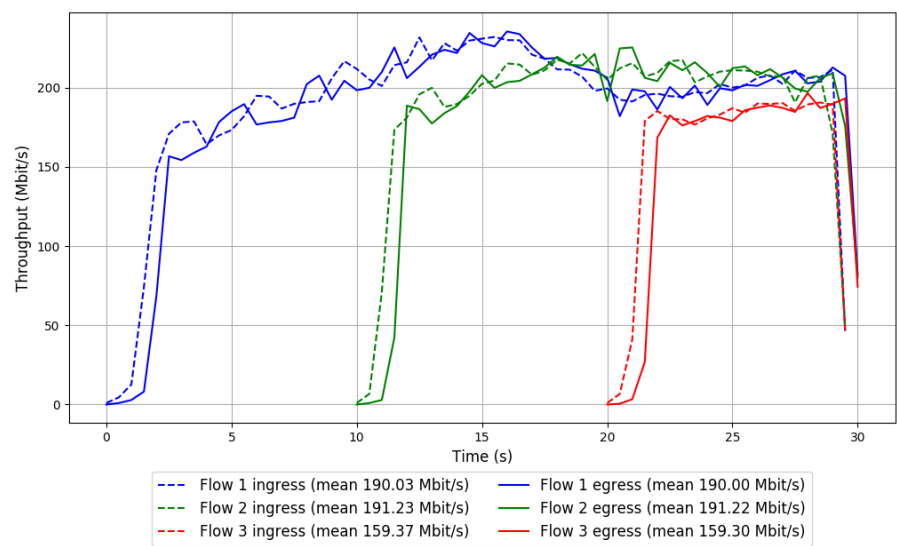
-- Flow 3:

Average throughput: 159.30 Mbit/s

95th percentile per-packet one-way delay: 90.055 ms

Loss rate: 0.04%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-30 14:58:33

End at: 2018-05-30 14:59:03

Local clock offset: 0.198 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.05 Mbit/s

95th percentile per-packet one-way delay: 94.317 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 186.97 Mbit/s

95th percentile per-packet one-way delay: 91.841 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 191.13 Mbit/s

95th percentile per-packet one-way delay: 95.594 ms

Loss rate: 0.03%

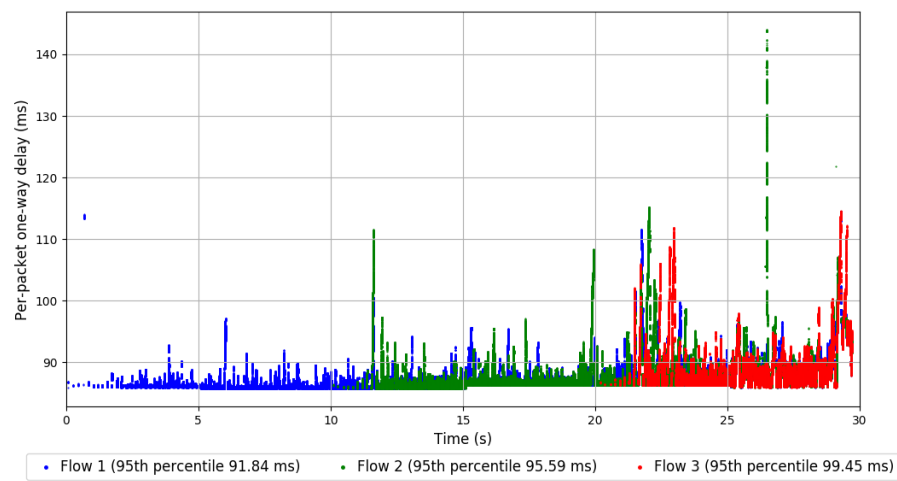
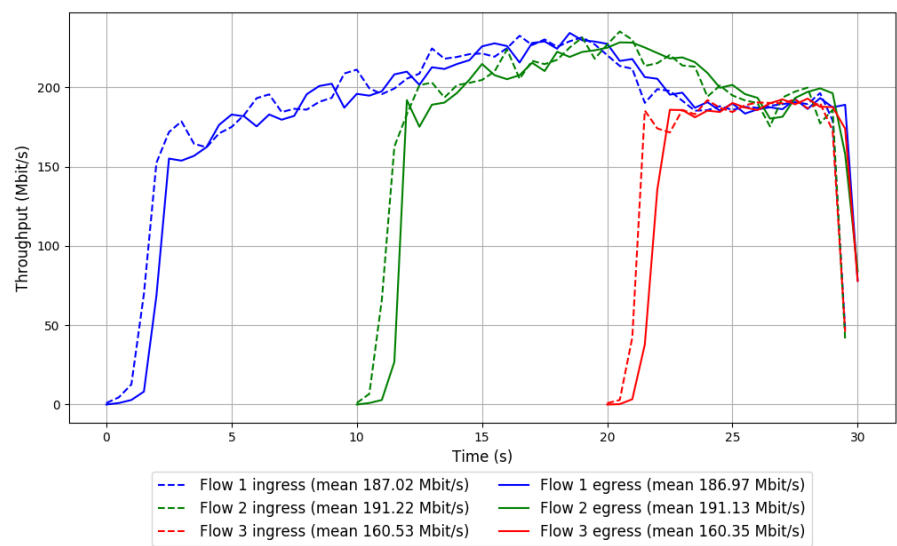
-- Flow 3:

Average throughput: 160.35 Mbit/s

95th percentile per-packet one-way delay: 99.446 ms

Loss rate: 0.08%

Run 7: Report of Indigo — Data Link

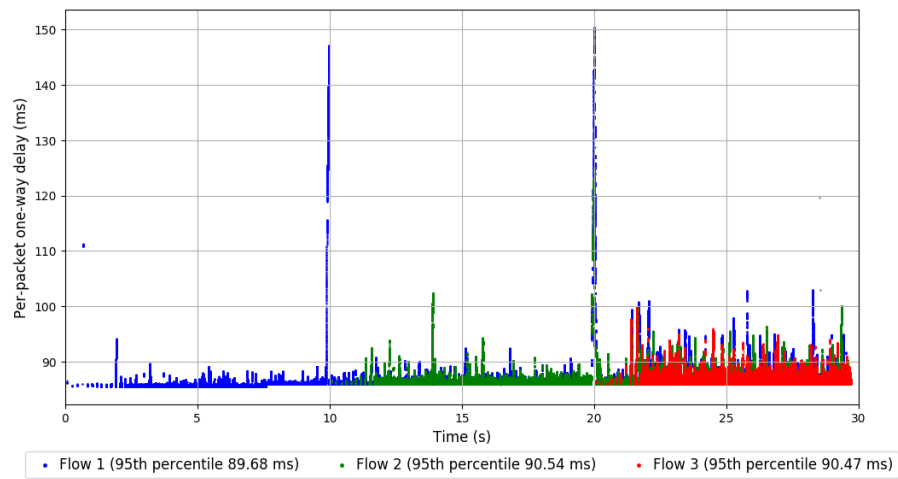
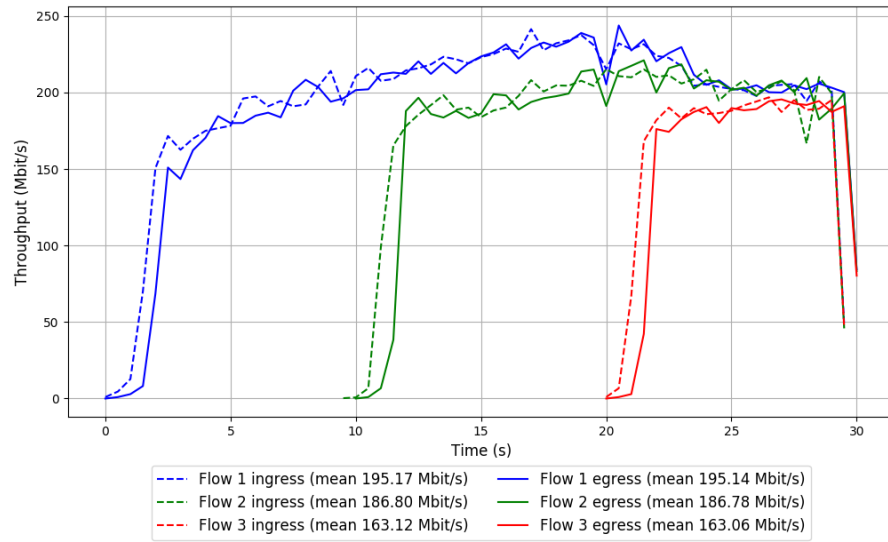


Run 8: Statistics of Indigo

Start at: 2018-05-30 15:22:11
End at: 2018-05-30 15:22:41
Local clock offset: 0.294 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.81 Mbit/s
95th percentile per-packet one-way delay: 90.148 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 195.14 Mbit/s
95th percentile per-packet one-way delay: 89.679 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 186.78 Mbit/s
95th percentile per-packet one-way delay: 90.536 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 163.06 Mbit/s
95th percentile per-packet one-way delay: 90.468 ms
Loss rate: 0.04%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-30 15:46:13

End at: 2018-05-30 15:46:43

Local clock offset: -0.097 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.61 Mbit/s

95th percentile per-packet one-way delay: 90.285 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 195.84 Mbit/s

95th percentile per-packet one-way delay: 89.631 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 190.81 Mbit/s

95th percentile per-packet one-way delay: 89.992 ms

Loss rate: 0.00%

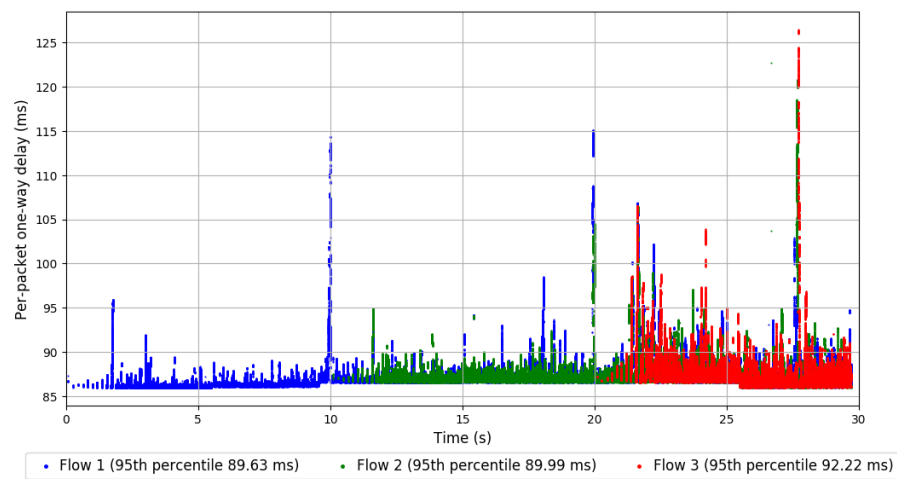
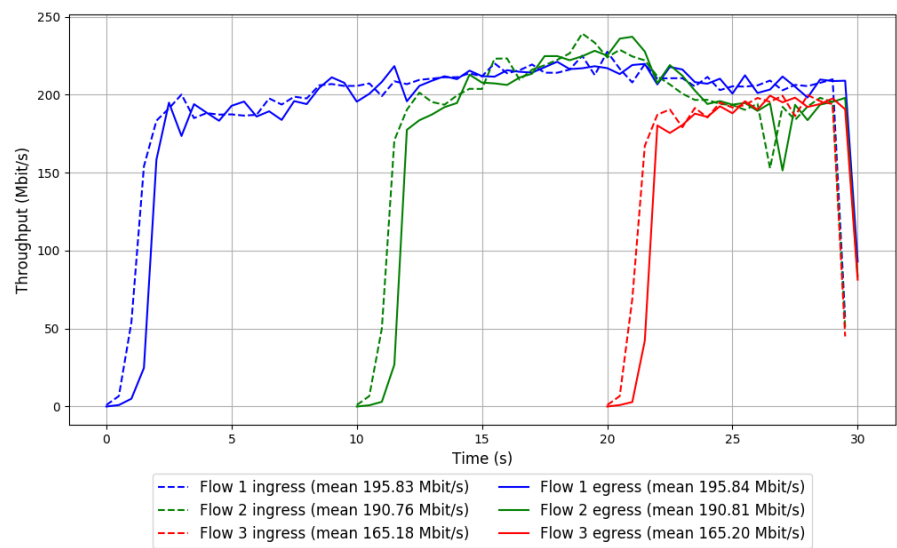
-- Flow 3:

Average throughput: 165.20 Mbit/s

95th percentile per-packet one-way delay: 92.219 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

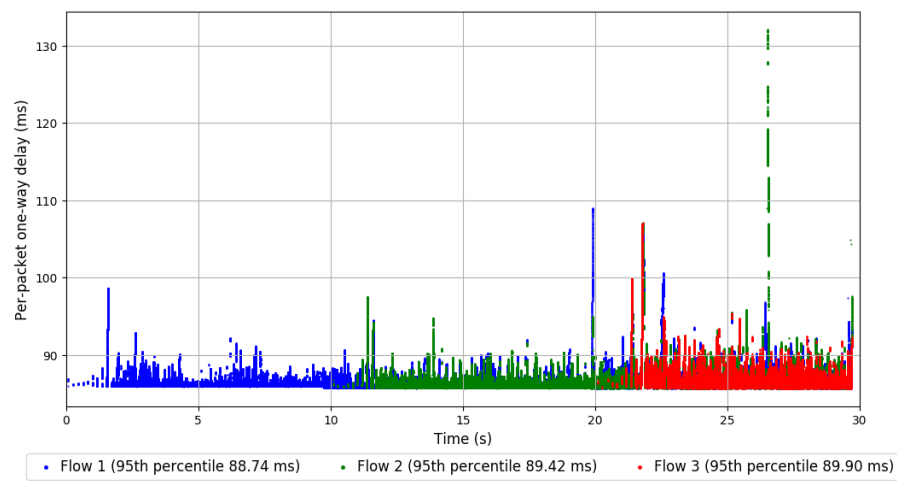
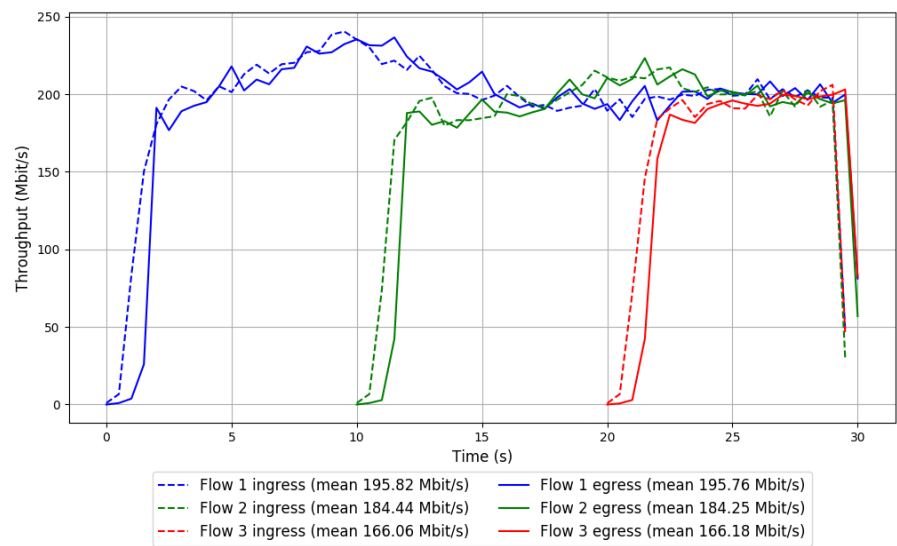


Run 10: Statistics of Indigo

Start at: 2018-05-30 16:09:59
End at: 2018-05-30 16:10:29
Local clock offset: 0.031 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.65 Mbit/s
95th percentile per-packet one-way delay: 89.207 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 195.76 Mbit/s
95th percentile per-packet one-way delay: 88.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.25 Mbit/s
95th percentile per-packet one-way delay: 89.423 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 166.18 Mbit/s
95th percentile per-packet one-way delay: 89.899 ms
Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

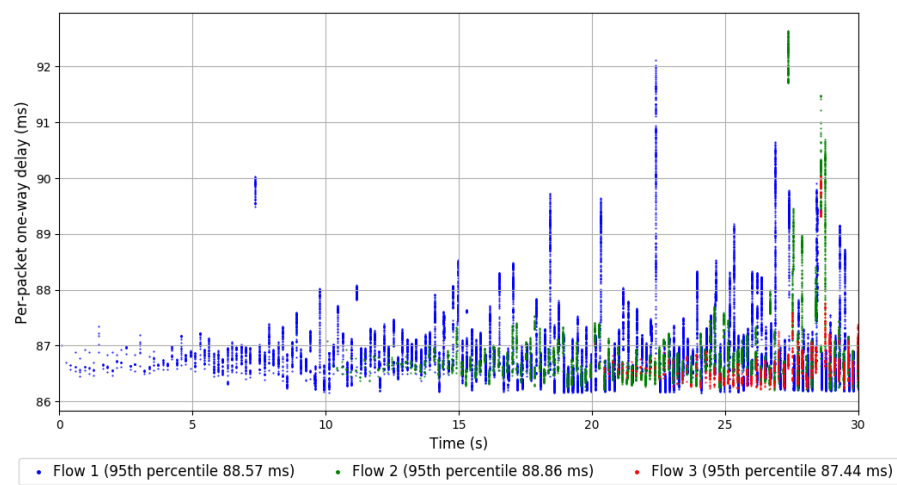
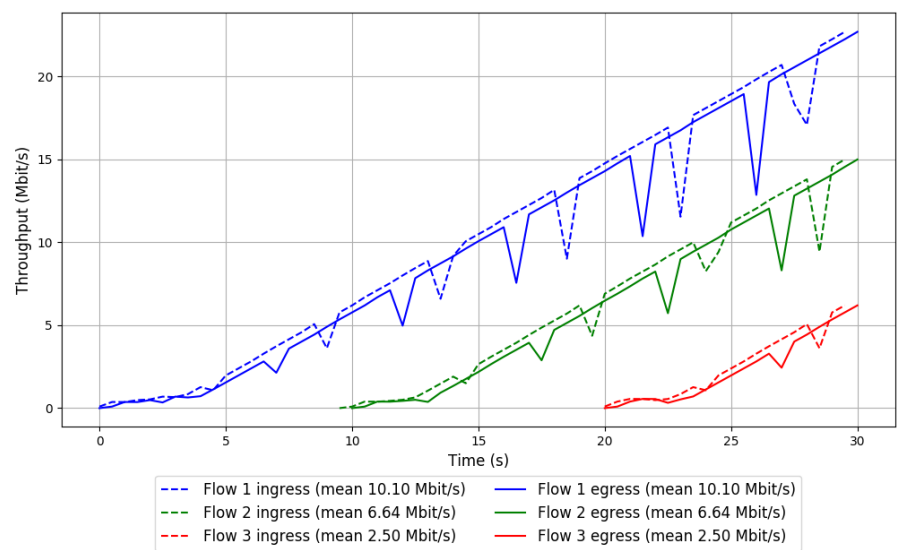


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-30 12:52:23
End at: 2018-05-30 12:52:53
Local clock offset: -0.342 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-05-30 17:53:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 88.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 88.568 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 88.865 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 87.440 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

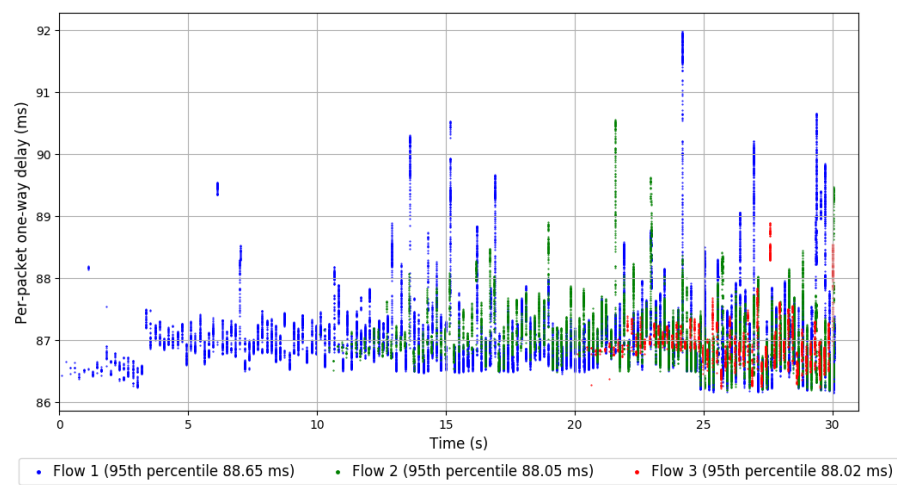
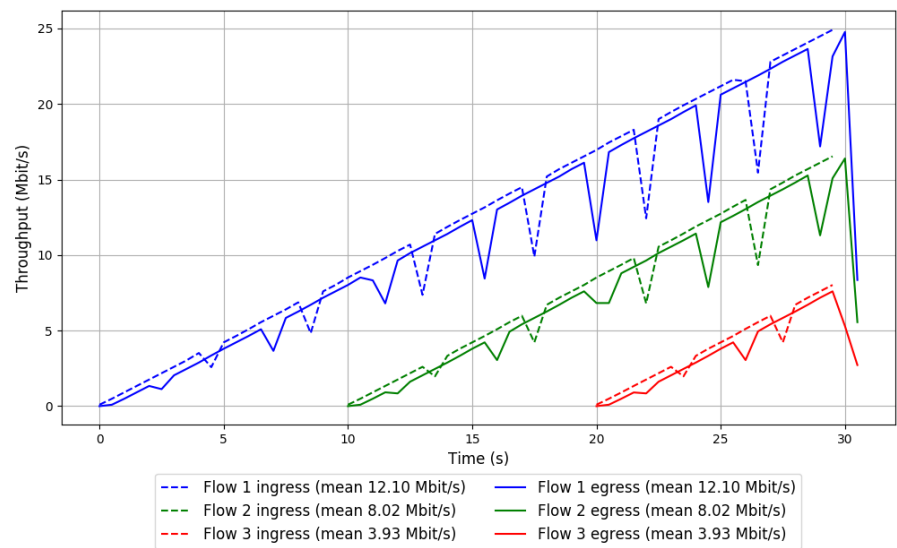


Run 2: Statistics of LEDBAT

Start at: 2018-05-30 13:16:24
End at: 2018-05-30 13:16:54
Local clock offset: -0.206 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 88.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 88.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 88.048 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 88.018 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

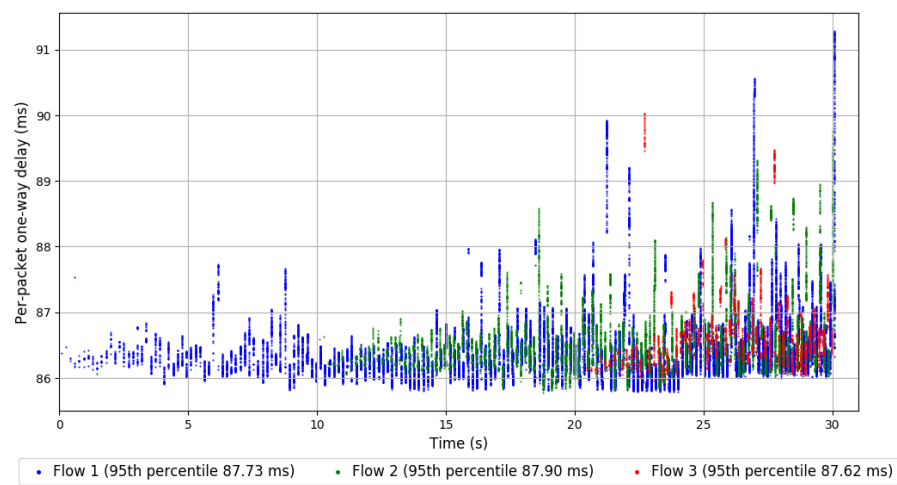
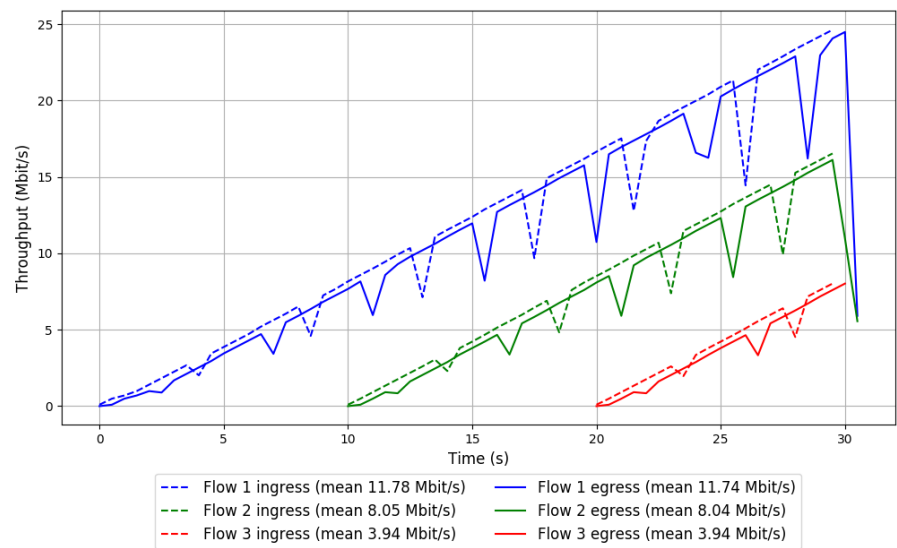


Run 3: Statistics of LEDBAT

Start at: 2018-05-30 13:40:25
End at: 2018-05-30 13:40:55
Local clock offset: 0.015 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 87.757 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 87.728 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 87.899 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.622 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

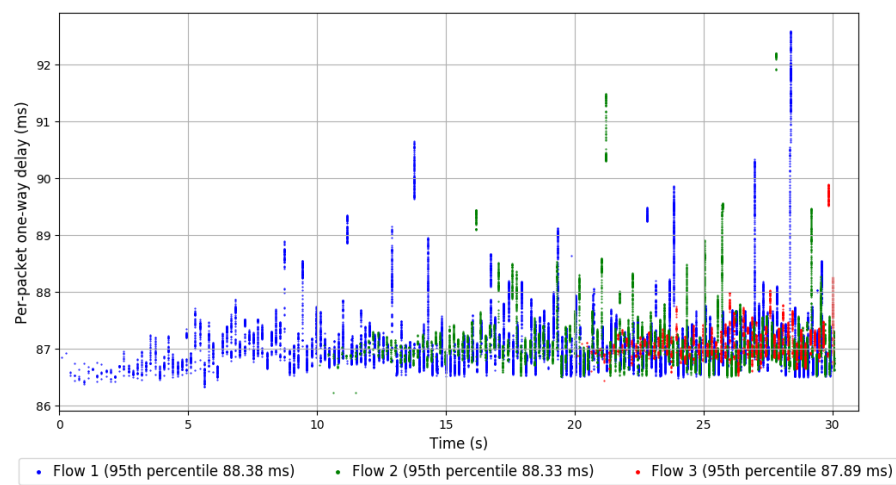
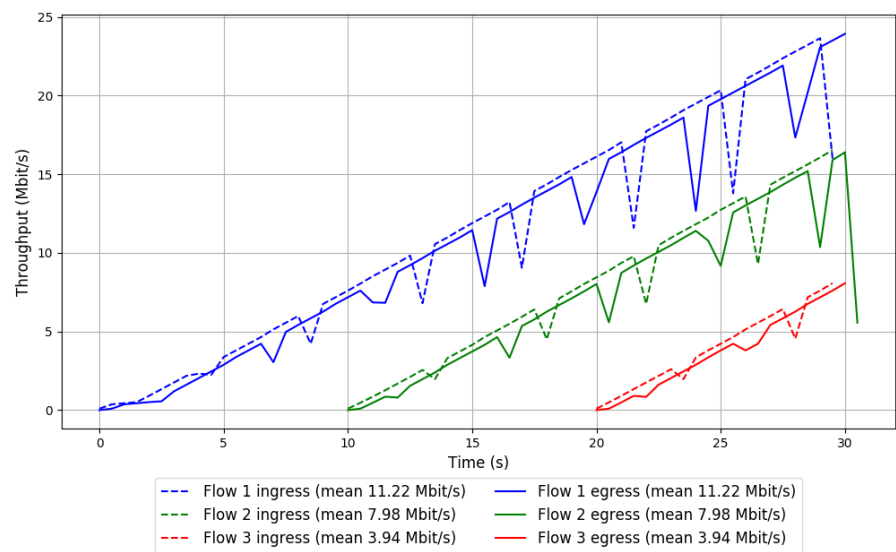


Run 4: Statistics of LEDBAT

Start at: 2018-05-30 14:04:13
End at: 2018-05-30 14:04:43
Local clock offset: -0.086 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 88.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 88.378 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 88.331 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.887 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-30 14:27:47

End at: 2018-05-30 14:28:17

Local clock offset: -0.301 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.17 Mbit/s

95th percentile per-packet one-way delay: 88.490 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 88.735 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 87.852 ms

Loss rate: 0.00%

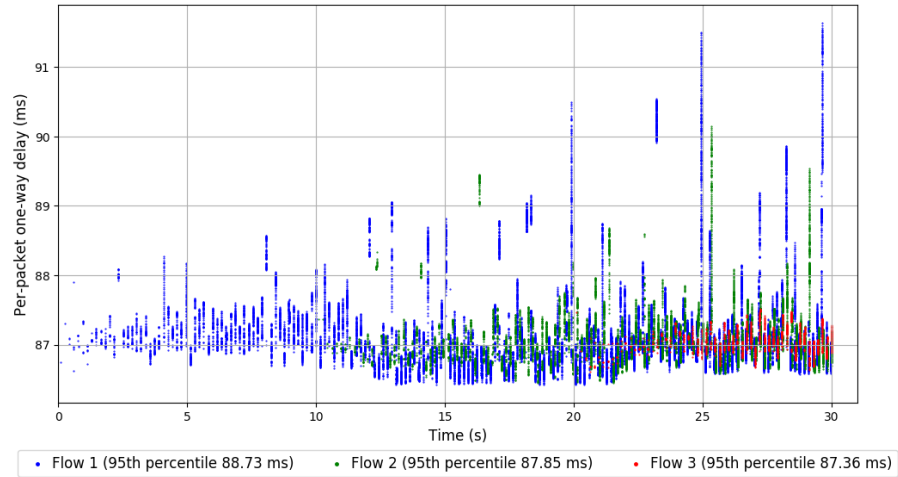
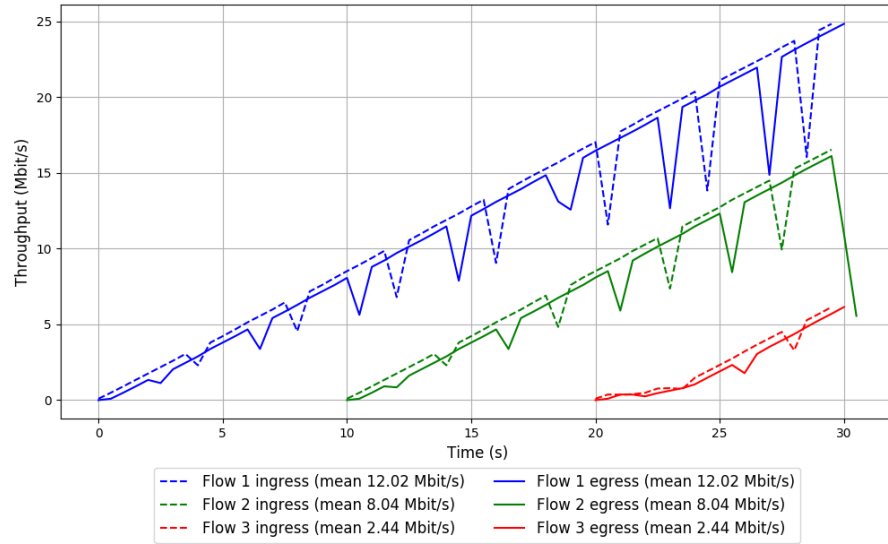
-- Flow 3:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 87.359 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-30 14:51:50

End at: 2018-05-30 14:52:20

Local clock offset: 0.029 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.48 Mbit/s

95th percentile per-packet one-way delay: 87.993 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 88.194 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 87.533 ms

Loss rate: 0.00%

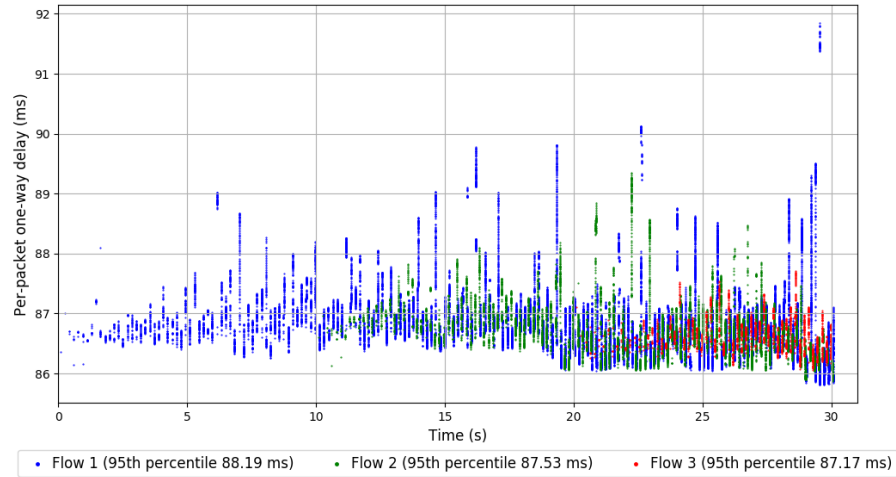
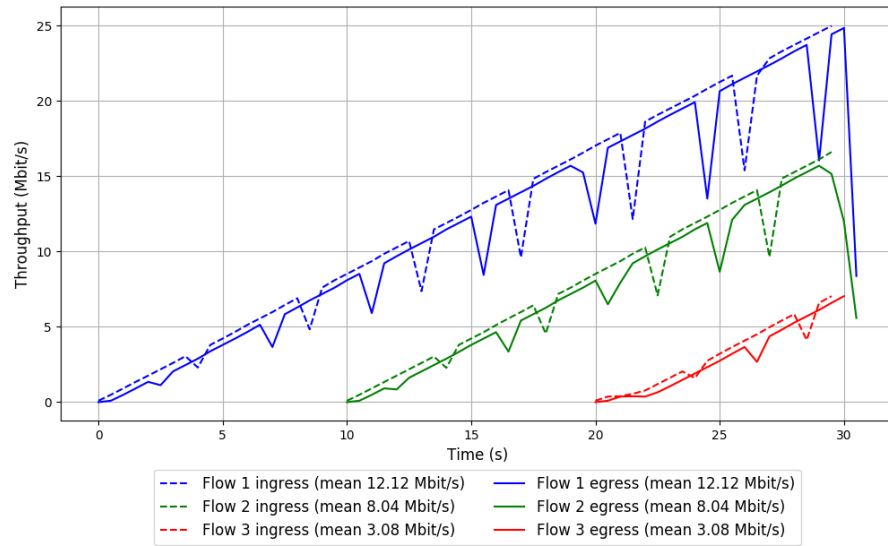
-- Flow 3:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 87.175 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-30 15:15:38

End at: 2018-05-30 15:16:08

Local clock offset: -0.167 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.57 Mbit/s

95th percentile per-packet one-way delay: 87.953 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 88.419 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 87.460 ms

Loss rate: 0.00%

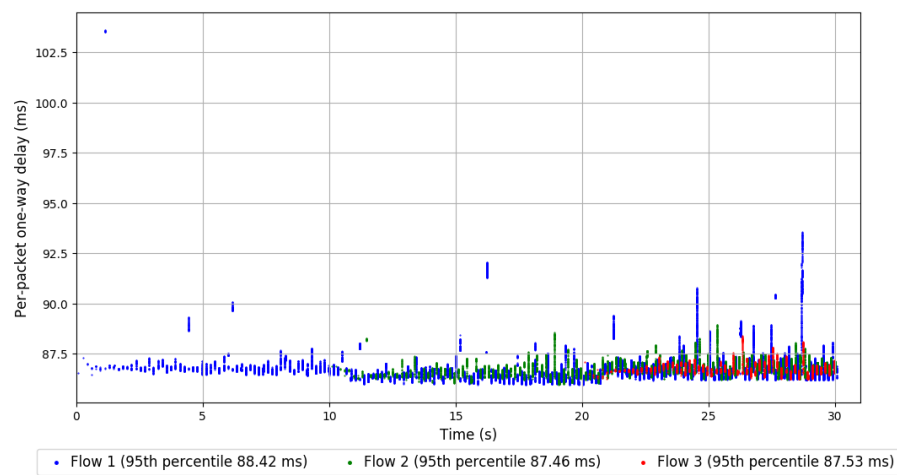
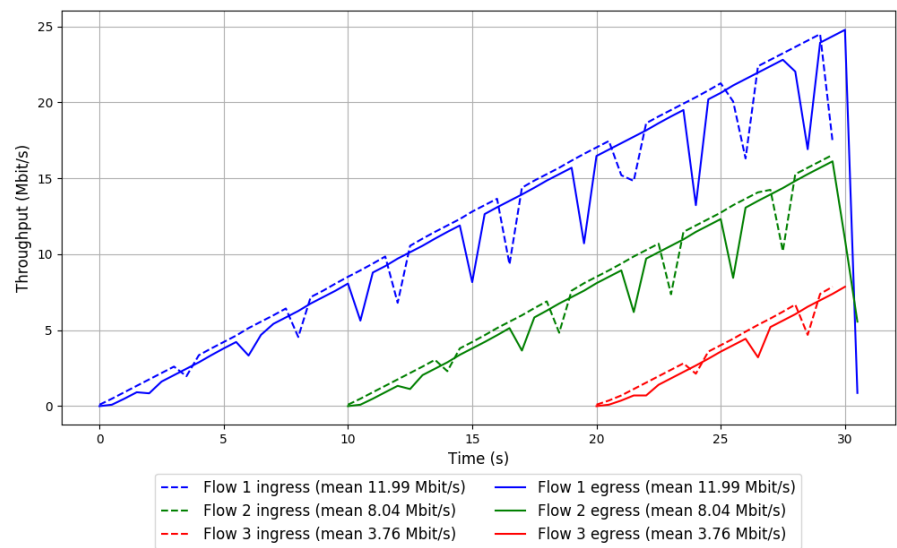
-- Flow 3:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: 87.529 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

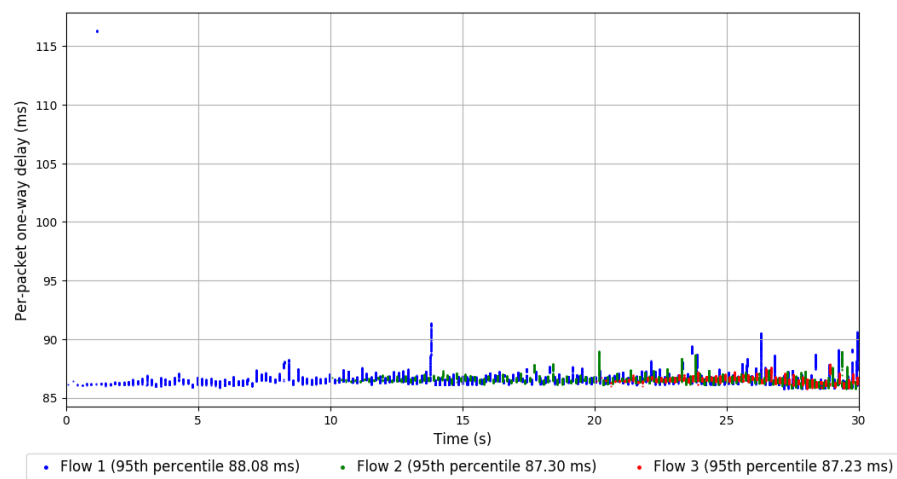
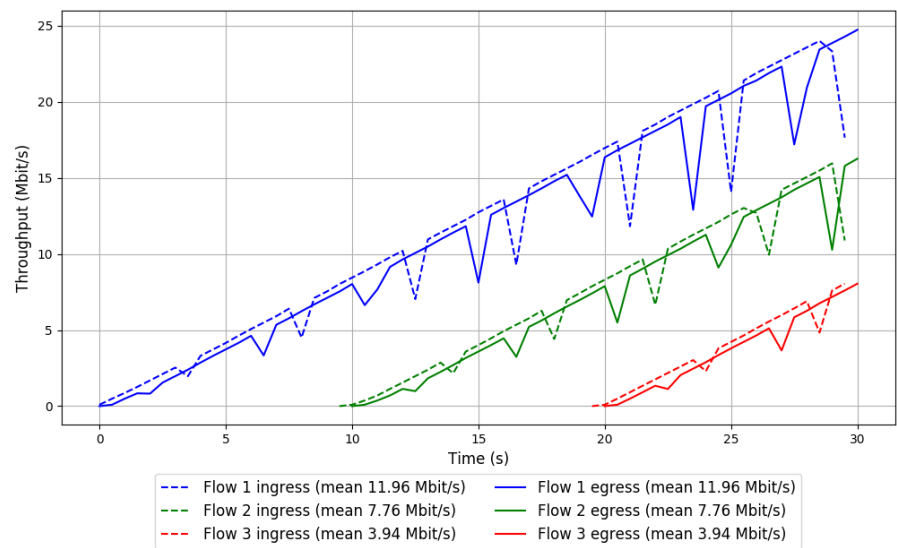


Run 8: Statistics of LEDBAT

Start at: 2018-05-30 15:39:32
End at: 2018-05-30 15:40:02
Local clock offset: 0.248 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 87.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 88.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 87.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.234 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-30 16:03:21

End at: 2018-05-30 16:03:51

Local clock offset: 0.036 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.46 Mbit/s

95th percentile per-packet one-way delay: 88.009 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 88.331 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 87.581 ms

Loss rate: 0.00%

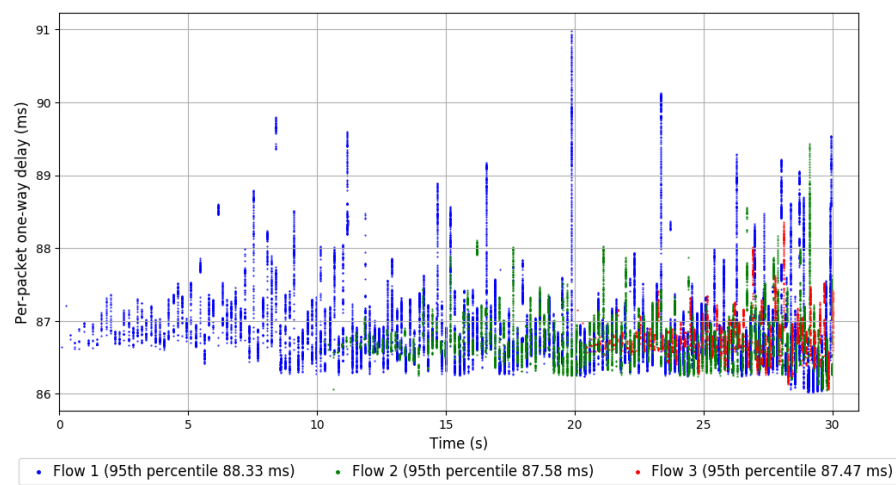
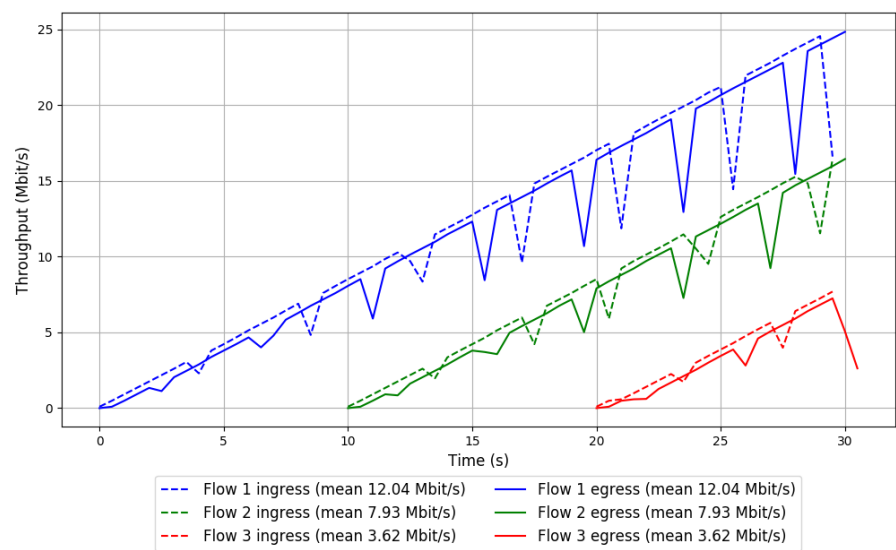
-- Flow 3:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 87.471 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

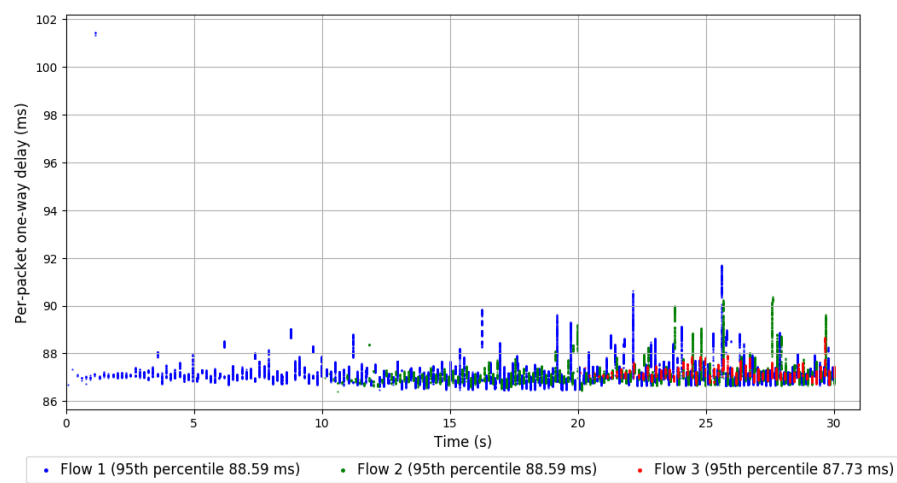
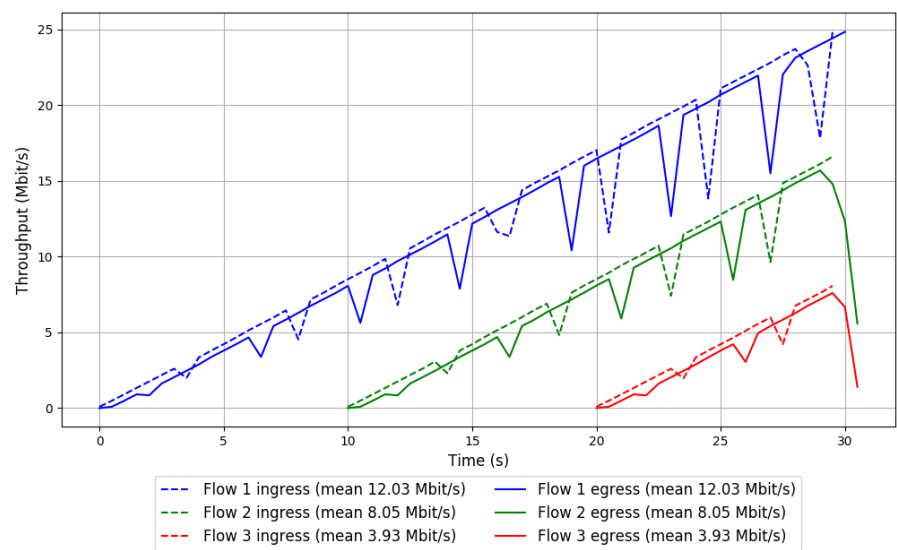


Run 10: Statistics of LEDBAT

Start at: 2018-05-30 16:27:19
End at: 2018-05-30 16:27:49
Local clock offset: -0.397 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 88.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 88.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 88.587 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.734 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

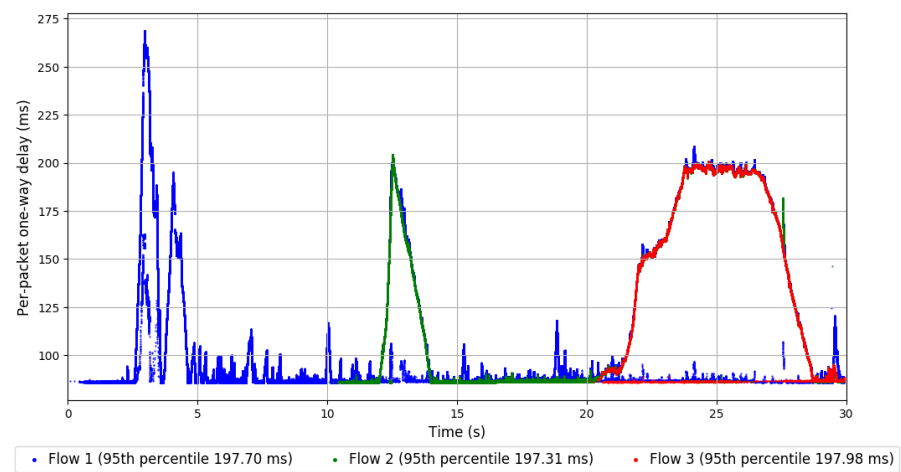
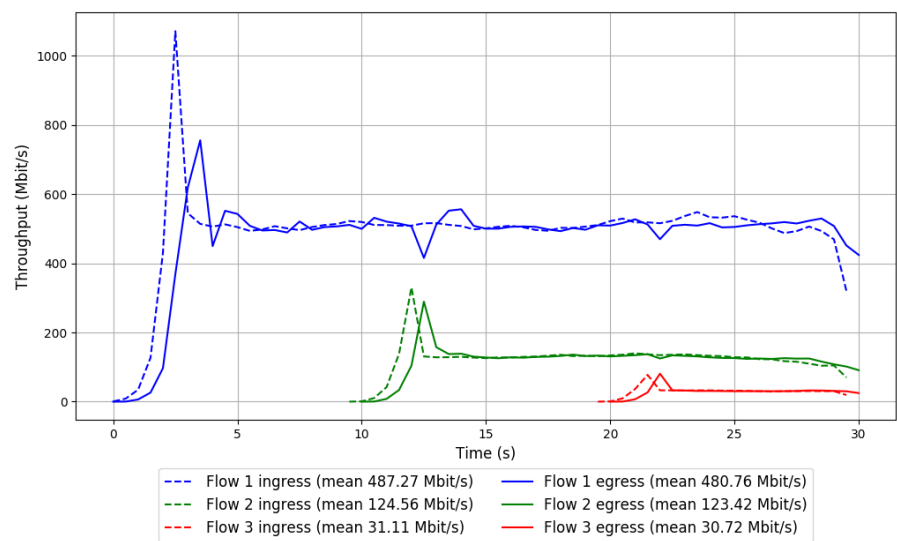


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-30 12:45:42
End at: 2018-05-30 12:46:12
Local clock offset: 0.096 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 573.06 Mbit/s
95th percentile per-packet one-way delay: 197.647 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 480.76 Mbit/s
95th percentile per-packet one-way delay: 197.703 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 123.42 Mbit/s
95th percentile per-packet one-way delay: 197.309 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 197.984 ms
Loss rate: 1.32%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-30 13:09:45

End at: 2018-05-30 13:10:15

Local clock offset: 0.272 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 573.45 Mbit/s

95th percentile per-packet one-way delay: 188.168 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 486.91 Mbit/s

95th percentile per-packet one-way delay: 188.154 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 128.06 Mbit/s

95th percentile per-packet one-way delay: 188.312 ms

Loss rate: 0.77%

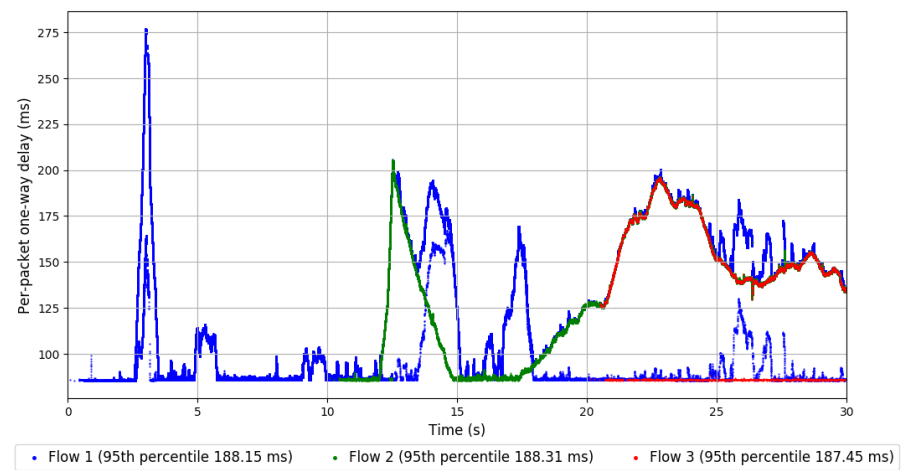
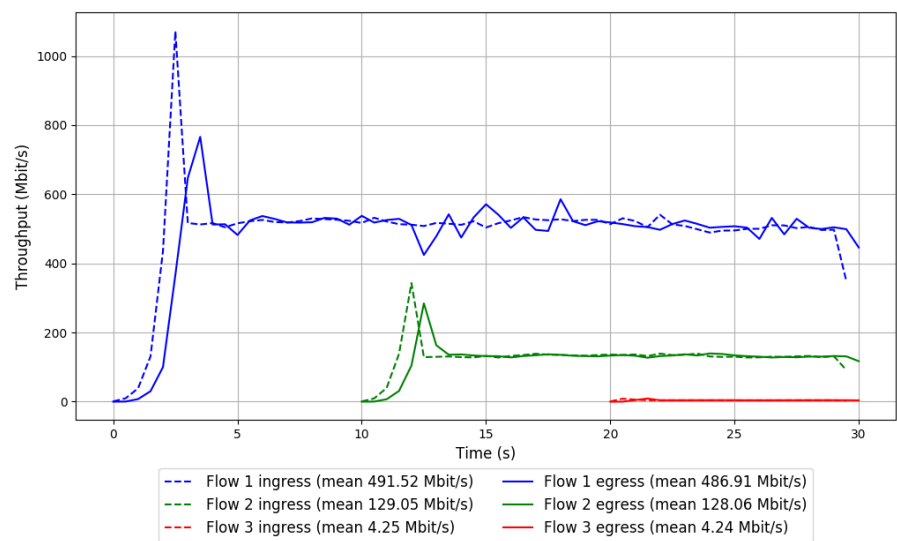
-- Flow 3:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 187.448 ms

Loss rate: 0.46%

Run 2: Report of PCC-Allegro — Data Link

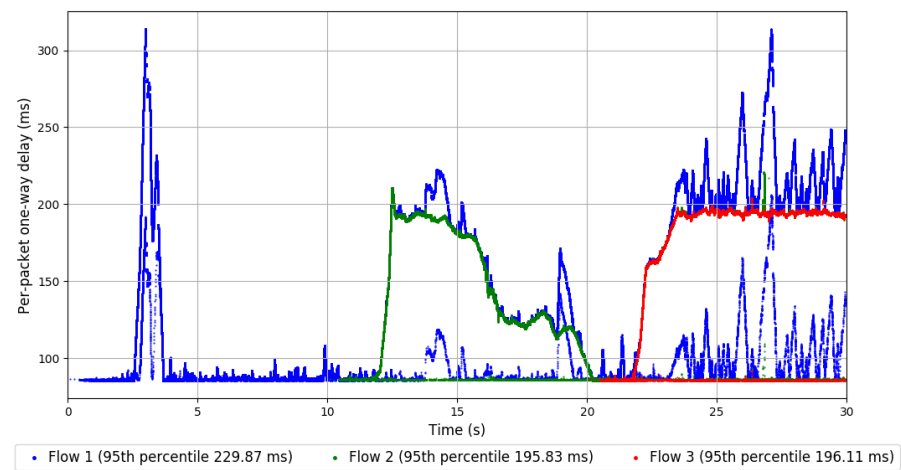
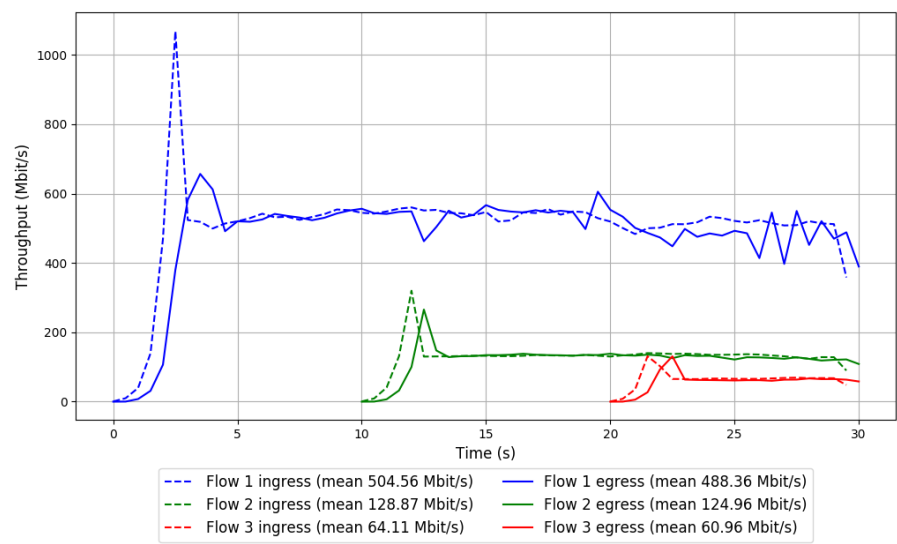


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-30 13:33:44
End at: 2018-05-30 13:34:14
Local clock offset: 0.403 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-30 17:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 591.50 Mbit/s
95th percentile per-packet one-way delay: 224.717 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 488.36 Mbit/s
95th percentile per-packet one-way delay: 229.872 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 124.96 Mbit/s
95th percentile per-packet one-way delay: 195.831 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 196.109 ms
Loss rate: 4.93%

Run 3: Report of PCC-Allegro — Data Link

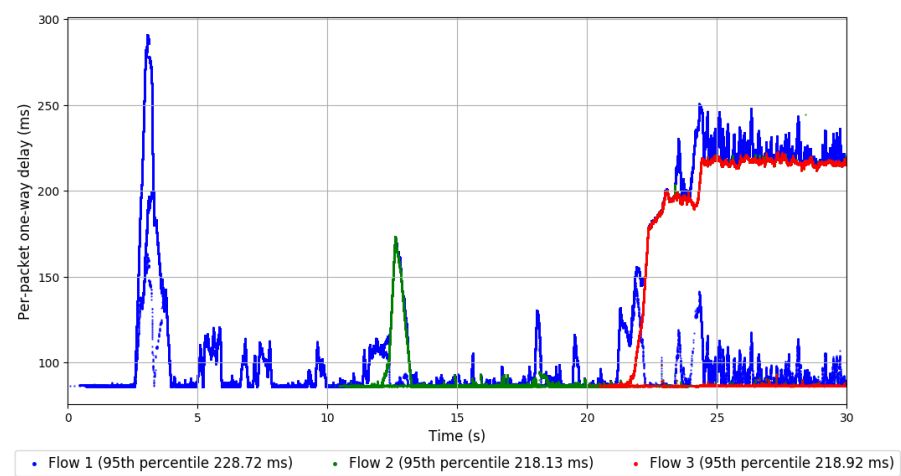
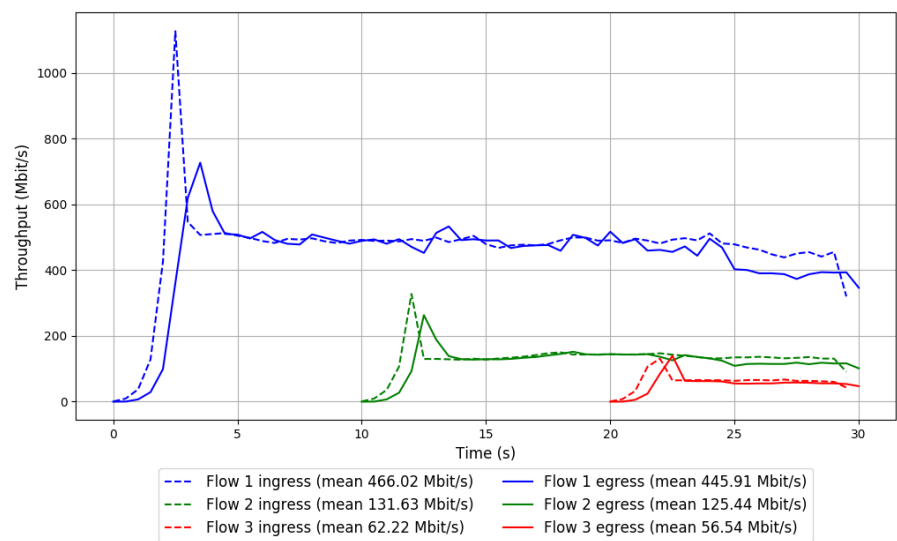


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-30 13:57:34
End at: 2018-05-30 13:58:04
Local clock offset: -0.319 ms
Remote clock offset: -0.015 ms

```
# Below is generated by plot.py at 2018-05-30 17:53:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 547.87 Mbit/s
95th percentile per-packet one-way delay: 226.148 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 445.91 Mbit/s
95th percentile per-packet one-way delay: 228.718 ms
Loss rate: 4.32%
-- Flow 2:
Average throughput: 125.44 Mbit/s
95th percentile per-packet one-way delay: 218.133 ms
Loss rate: 4.69%
-- Flow 3:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 218.923 ms
Loss rate: 9.13%
```

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-30 14:21:17

End at: 2018-05-30 14:21:47

Local clock offset: 0.151 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 575.87 Mbit/s

95th percentile per-packet one-way delay: 263.513 ms

Loss rate: 2.62%

-- Flow 1:

Average throughput: 472.58 Mbit/s

95th percentile per-packet one-way delay: 269.732 ms

Loss rate: 2.99%

-- Flow 2:

Average throughput: 140.19 Mbit/s

95th percentile per-packet one-way delay: 194.016 ms

Loss rate: 0.84%

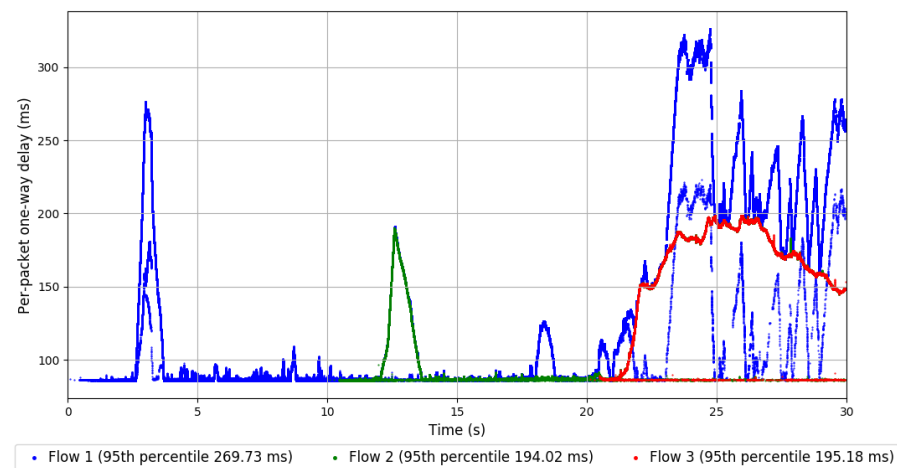
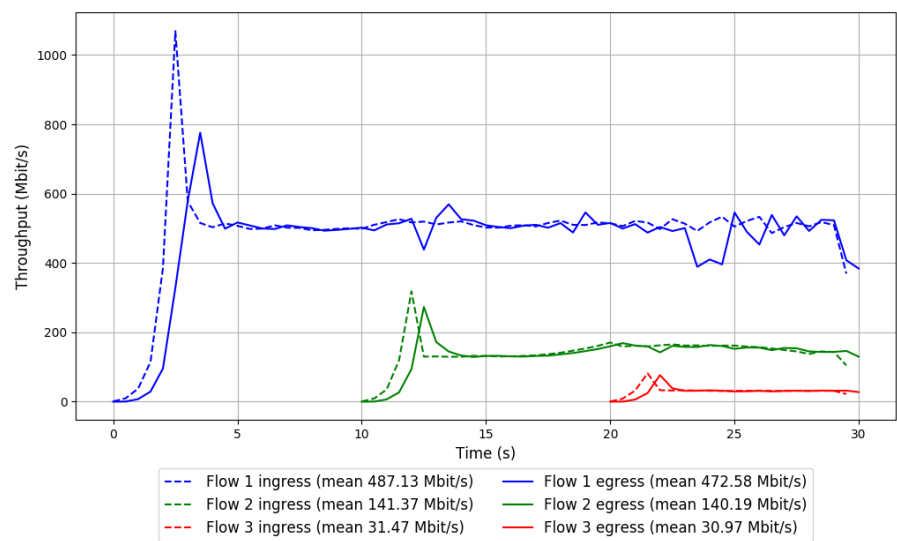
-- Flow 3:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 195.184 ms

Loss rate: 1.56%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-30 14:45:11

End at: 2018-05-30 14:45:41

Local clock offset: -0.031 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-30 17:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 581.27 Mbit/s

95th percentile per-packet one-way delay: 264.767 ms

Loss rate: 2.29%

-- Flow 1:

Average throughput: 478.27 Mbit/s

95th percentile per-packet one-way delay: 266.587 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 124.68 Mbit/s

95th percentile per-packet one-way delay: 197.412 ms

Loss rate: 1.09%

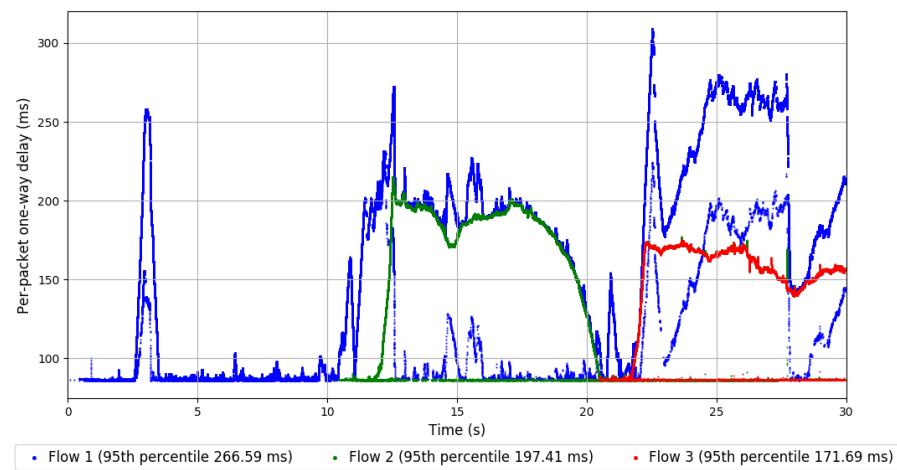
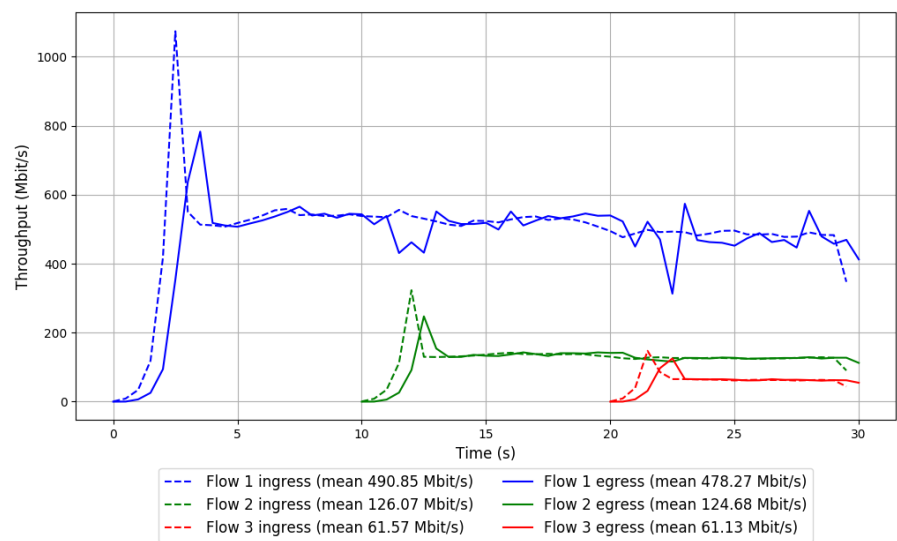
-- Flow 3:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 171.691 ms

Loss rate: 0.71%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-30 15:09:01

End at: 2018-05-30 15:09:31

Local clock offset: 0.234 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-05-30 17:58:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 514.44 Mbit/s

95th percentile per-packet one-way delay: 220.461 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 417.64 Mbit/s

95th percentile per-packet one-way delay: 220.584 ms

Loss rate: 1.84%

-- Flow 2:

Average throughput: 144.53 Mbit/s

95th percentile per-packet one-way delay: 220.124 ms

Loss rate: 1.31%

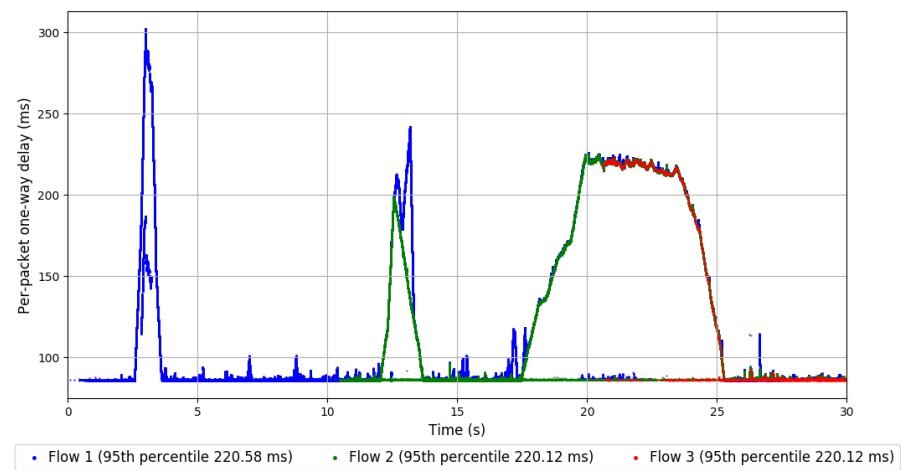
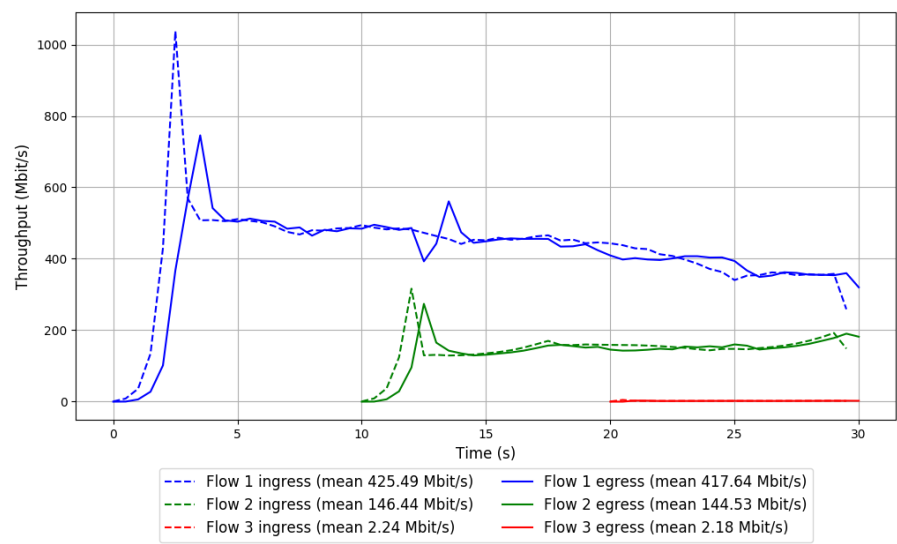
-- Flow 3:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 220.125 ms

Loss rate: 2.62%

Run 7: Report of PCC-Allegro — Data Link

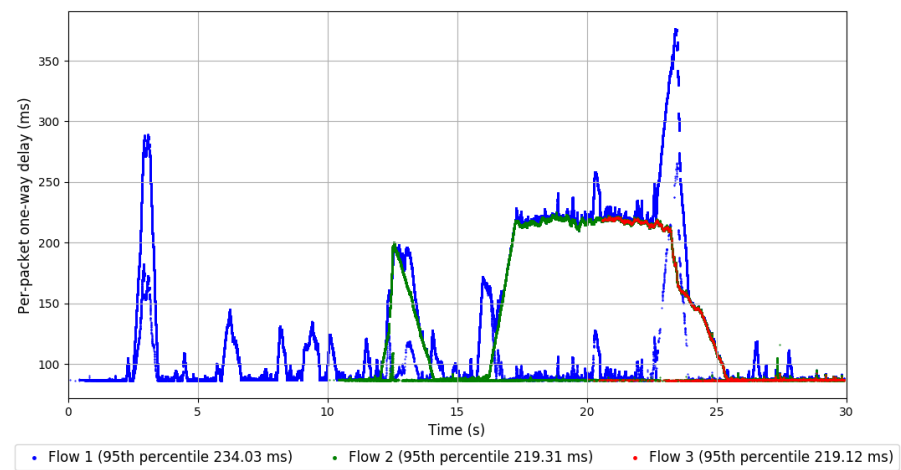
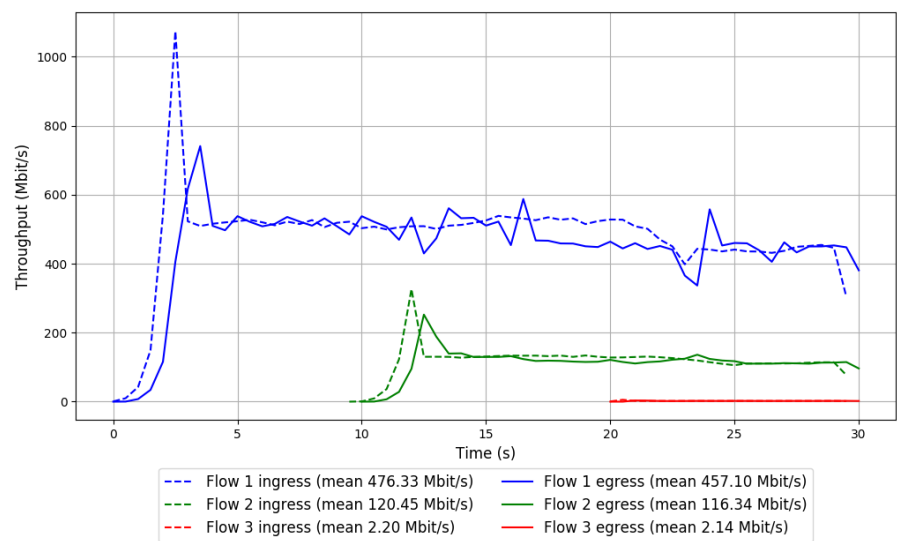


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-30 15:32:52
End at: 2018-05-30 15:33:22
Local clock offset: -0.465 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-30 17:58:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 535.21 Mbit/s
95th percentile per-packet one-way delay: 227.772 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 457.10 Mbit/s
95th percentile per-packet one-way delay: 234.026 ms
Loss rate: 4.04%
-- Flow 2:
Average throughput: 116.34 Mbit/s
95th percentile per-packet one-way delay: 219.310 ms
Loss rate: 3.41%
-- Flow 3:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 219.124 ms
Loss rate: 2.72%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-30 15:56:48

End at: 2018-05-30 15:57:18

Local clock offset: -0.312 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-30 17:59:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 578.27 Mbit/s

95th percentile per-packet one-way delay: 270.525 ms

Loss rate: 2.77%

-- Flow 1:

Average throughput: 477.46 Mbit/s

95th percentile per-packet one-way delay: 295.037 ms

Loss rate: 3.03%

-- Flow 2:

Average throughput: 121.17 Mbit/s

95th percentile per-packet one-way delay: 201.258 ms

Loss rate: 1.66%

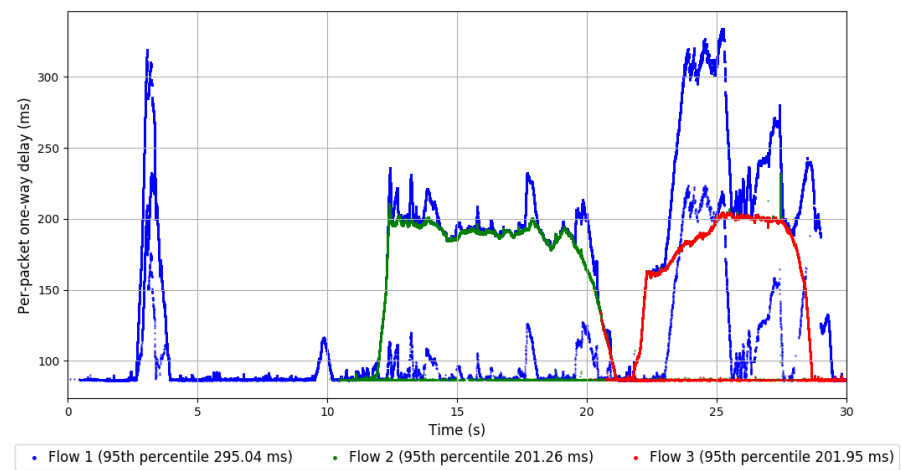
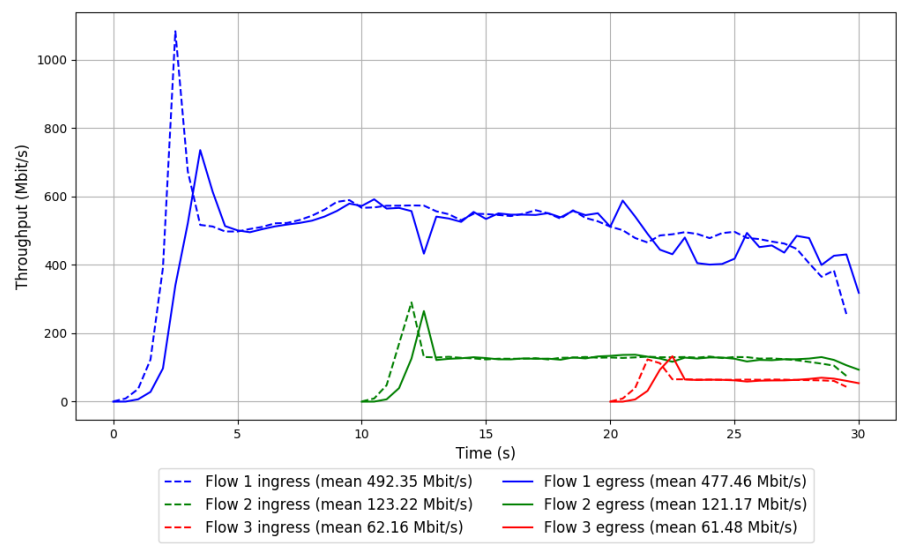
-- Flow 3:

Average throughput: 61.48 Mbit/s

95th percentile per-packet one-way delay: 201.952 ms

Loss rate: 1.10%

Run 9: Report of PCC-Allegro — Data Link

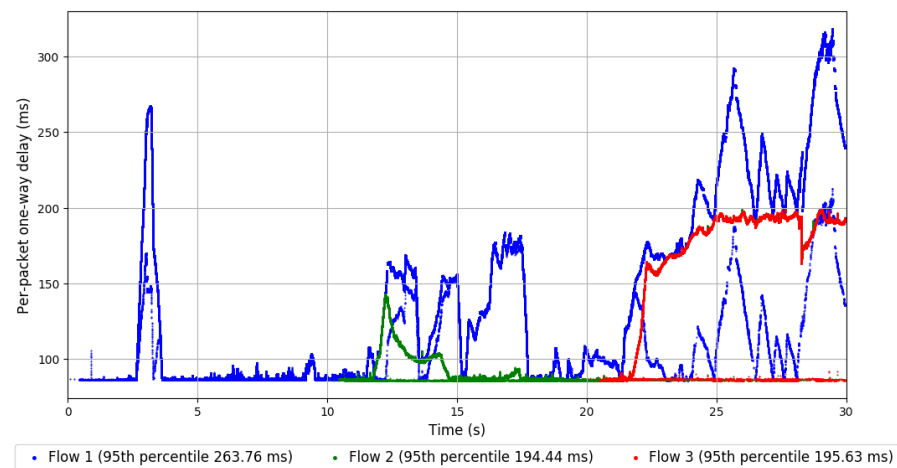
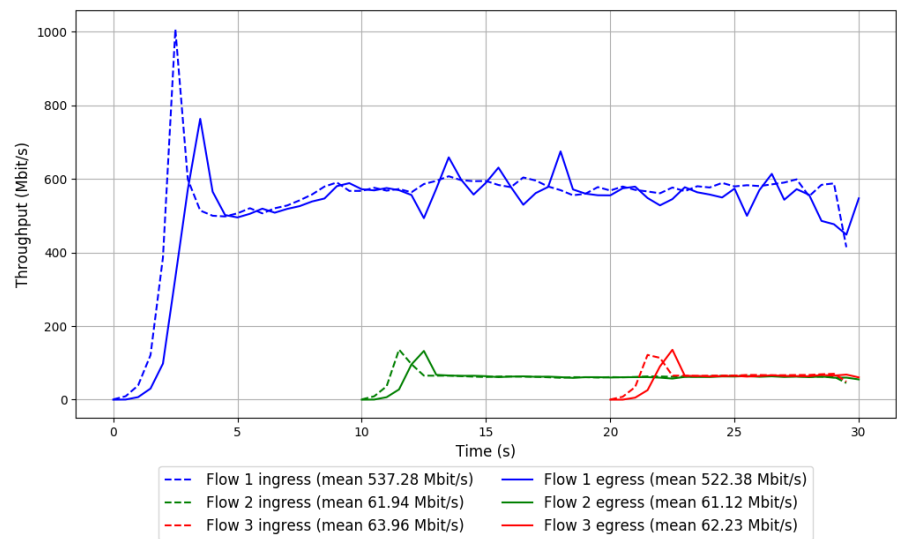


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-30 16:20:40
End at: 2018-05-30 16:21:10
Local clock offset: -0.033 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-30 18:00:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 583.49 Mbit/s
95th percentile per-packet one-way delay: 258.793 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 522.38 Mbit/s
95th percentile per-packet one-way delay: 263.763 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 194.438 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 195.628 ms
Loss rate: 2.73%

Run 10: Report of PCC-Allegro — Data Link

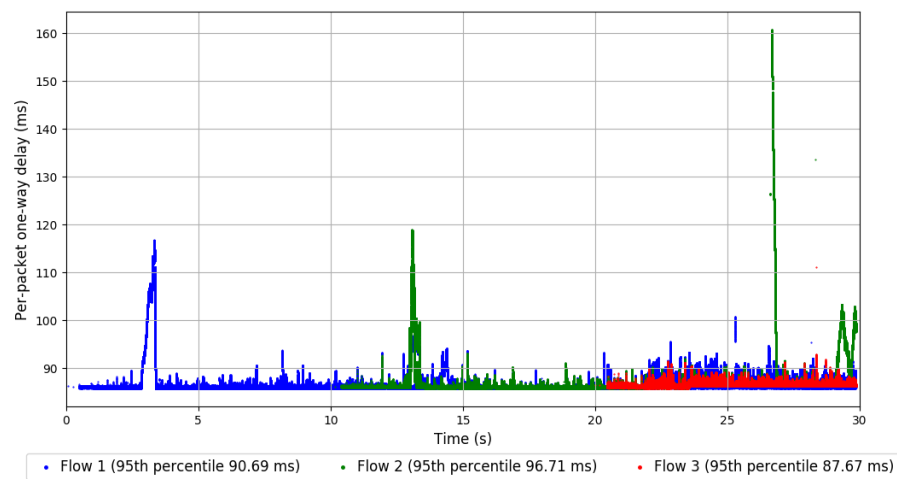
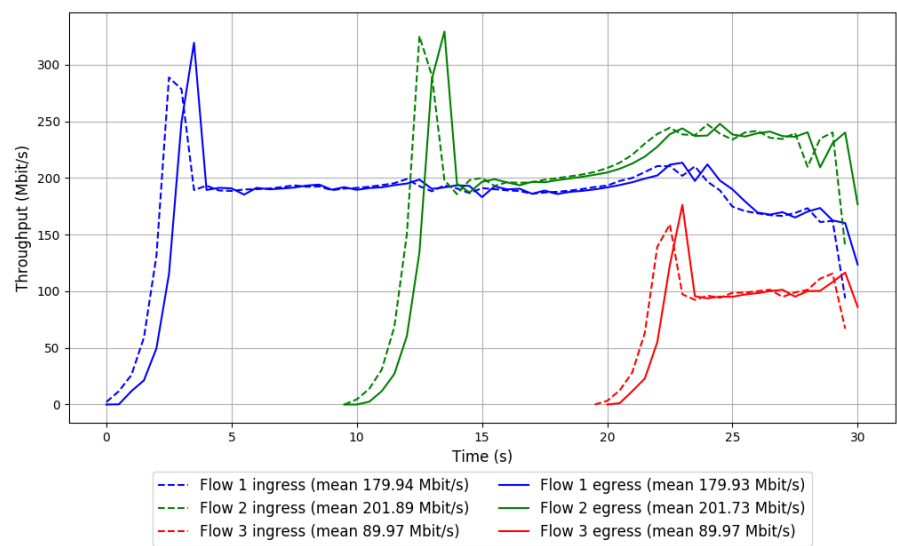


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-30 12:38:25
End at: 2018-05-30 12:38:55
Local clock offset: 0.037 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-05-30 18:02:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.34 Mbit/s
95th percentile per-packet one-way delay: 91.879 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 179.93 Mbit/s
95th percentile per-packet one-way delay: 90.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.73 Mbit/s
95th percentile per-packet one-way delay: 96.713 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 87.670 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

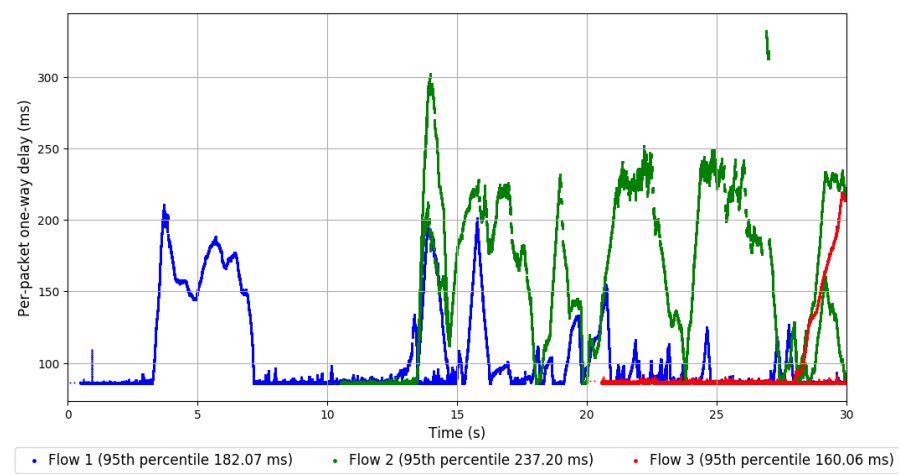
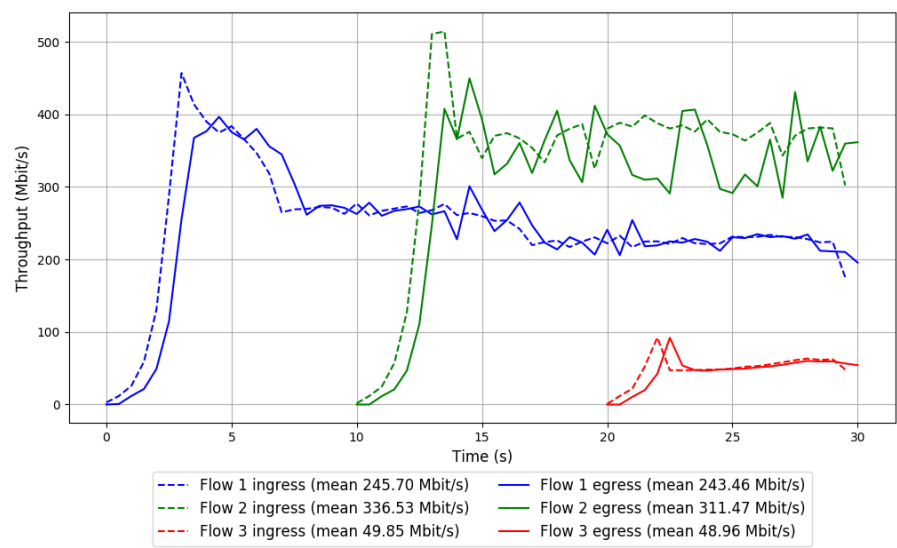


Run 2: Statistics of PCC-Expr

Start at: 2018-05-30 13:02:21
End at: 2018-05-30 13:02:51
Local clock offset: -0.026 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-30 18:06:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 466.73 Mbit/s
95th percentile per-packet one-way delay: 229.009 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 243.46 Mbit/s
95th percentile per-packet one-way delay: 182.068 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 311.47 Mbit/s
95th percentile per-packet one-way delay: 237.201 ms
Loss rate: 7.45%
-- Flow 3:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 160.063 ms
Loss rate: 1.79%

Run 2: Report of PCC-Expr — Data Link

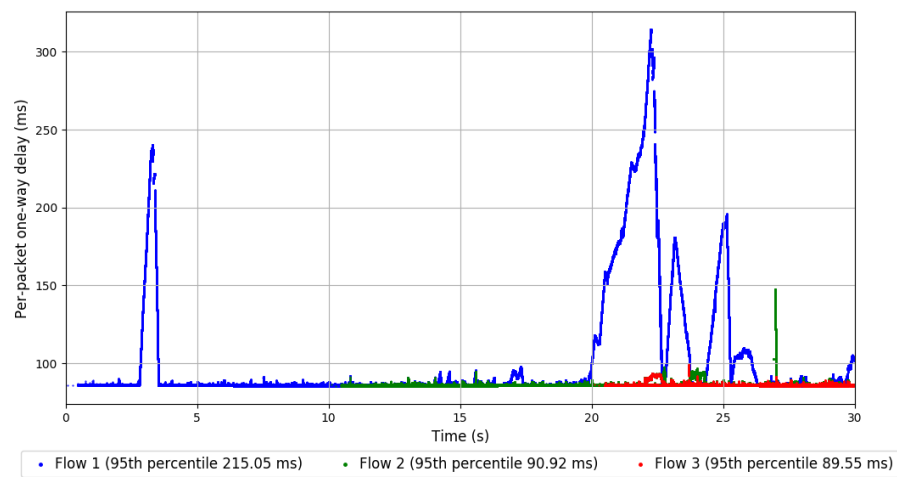
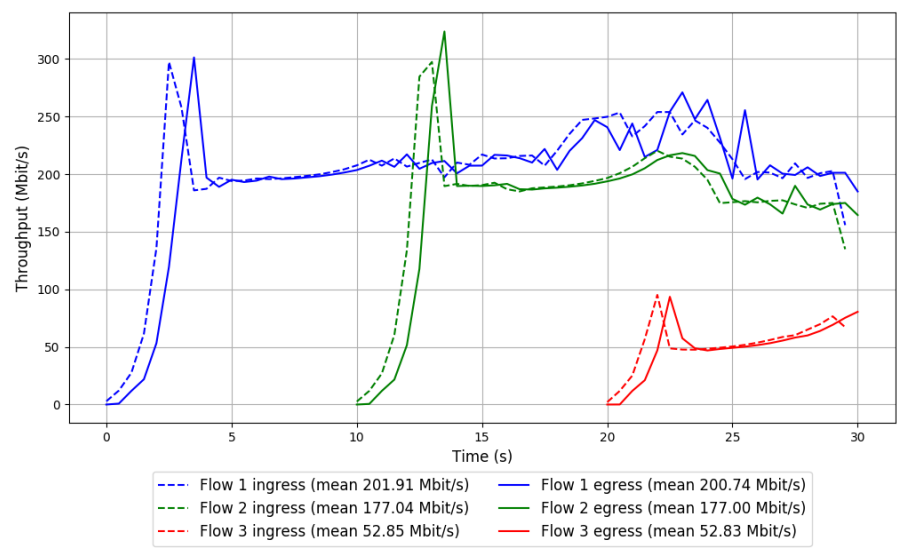


Run 3: Statistics of PCC-Expr

Start at: 2018-05-30 13:26:22
End at: 2018-05-30 13:26:52
Local clock offset: 0.404 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-30 18:06:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.86 Mbit/s
95th percentile per-packet one-way delay: 177.994 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 200.74 Mbit/s
95th percentile per-packet one-way delay: 215.052 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 177.00 Mbit/s
95th percentile per-packet one-way delay: 90.921 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 89.554 ms
Loss rate: 0.05%

Run 3: Report of PCC-Expr — Data Link

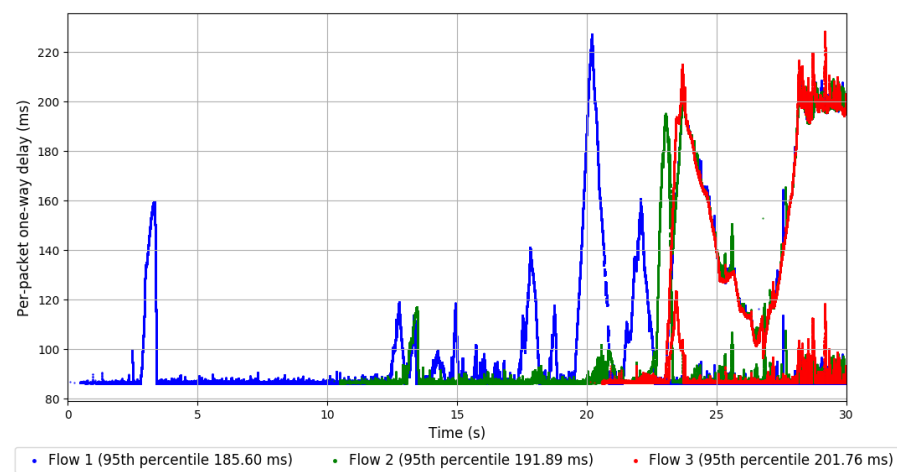
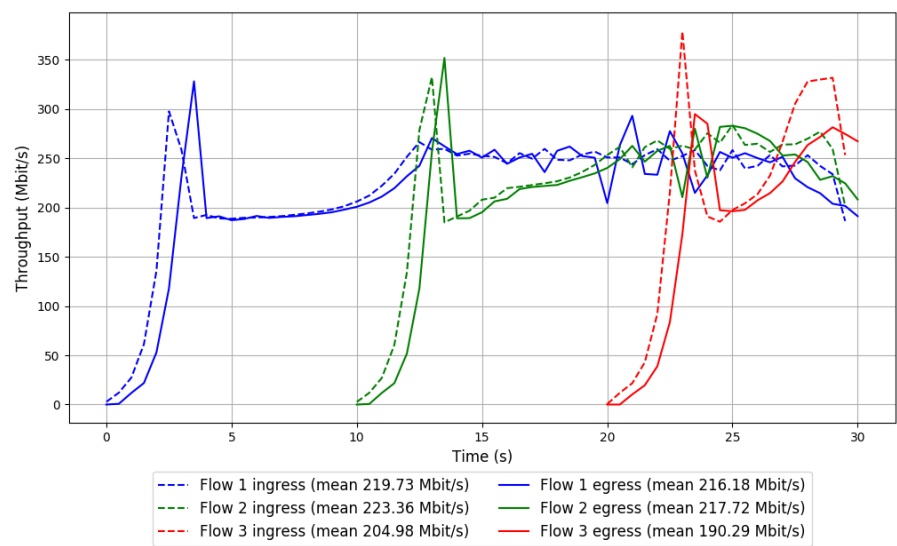


Run 4: Statistics of PCC-Expr

Start at: 2018-05-30 13:50:18
End at: 2018-05-30 13:50:48
Local clock offset: -0.309 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-30 18:06:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.74 Mbit/s
95th percentile per-packet one-way delay: 195.802 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 216.18 Mbit/s
95th percentile per-packet one-way delay: 185.600 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 217.72 Mbit/s
95th percentile per-packet one-way delay: 191.891 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 190.29 Mbit/s
95th percentile per-packet one-way delay: 201.764 ms
Loss rate: 7.19%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-30 14:14:01

End at: 2018-05-30 14:14:31

Local clock offset: -0.231 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-05-30 18:11:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.09 Mbit/s

95th percentile per-packet one-way delay: 212.503 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 239.85 Mbit/s

95th percentile per-packet one-way delay: 233.706 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 193.08 Mbit/s

95th percentile per-packet one-way delay: 193.854 ms

Loss rate: 0.81%

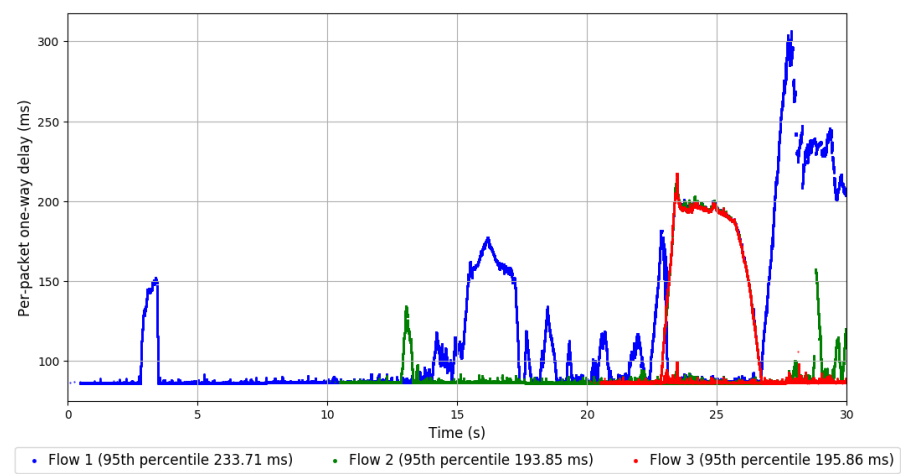
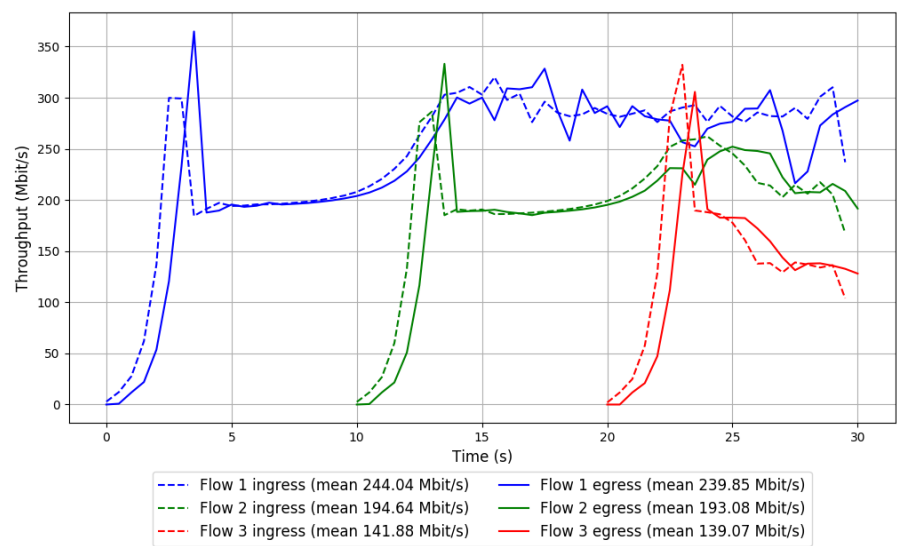
-- Flow 3:

Average throughput: 139.07 Mbit/s

95th percentile per-packet one-way delay: 195.858 ms

Loss rate: 2.01%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-30 14:37:43

End at: 2018-05-30 14:38:13

Local clock offset: -0.441 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-05-30 18:11:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 409.50 Mbit/s

95th percentile per-packet one-way delay: 205.161 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 232.45 Mbit/s

95th percentile per-packet one-way delay: 208.265 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 181.54 Mbit/s

95th percentile per-packet one-way delay: 129.858 ms

Loss rate: 0.24%

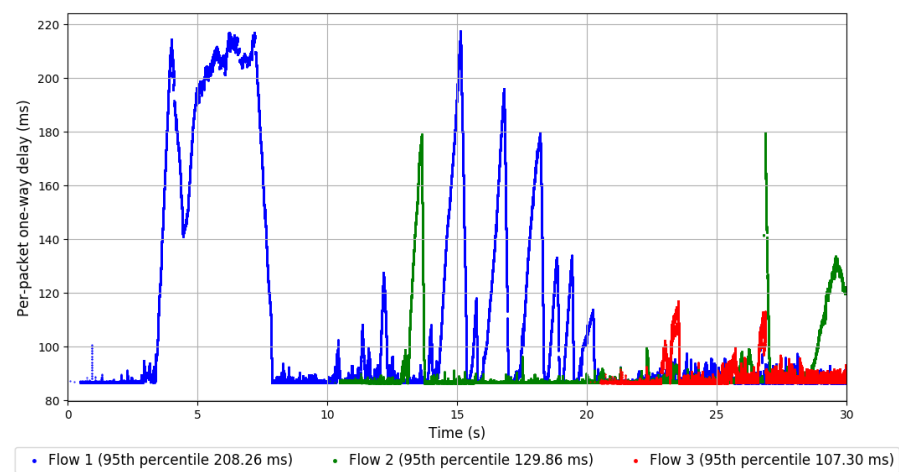
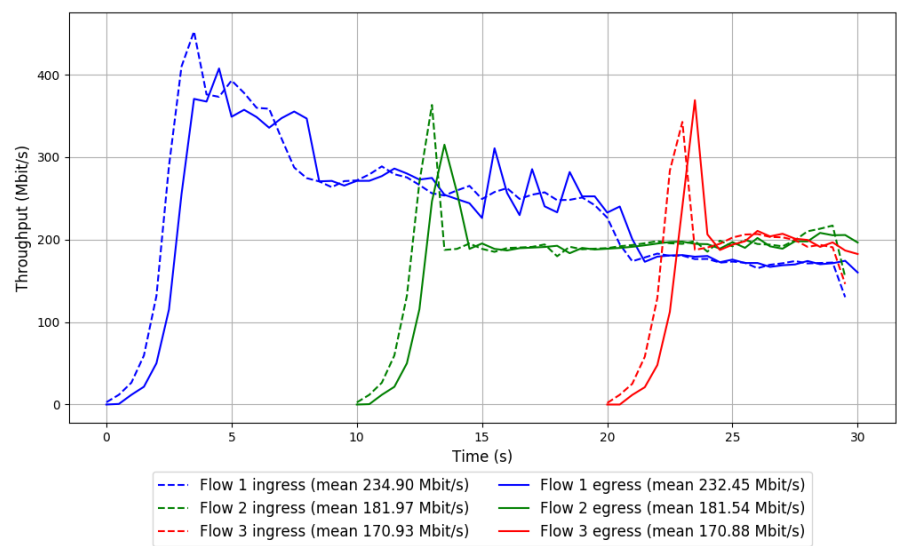
-- Flow 3:

Average throughput: 170.88 Mbit/s

95th percentile per-packet one-way delay: 107.302 ms

Loss rate: 0.02%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-30 15:01:50

End at: 2018-05-30 15:02:20

Local clock offset: 0.244 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-30 18:11:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 335.24 Mbit/s

95th percentile per-packet one-way delay: 91.884 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 189.73 Mbit/s

95th percentile per-packet one-way delay: 91.915 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 175.01 Mbit/s

95th percentile per-packet one-way delay: 93.356 ms

Loss rate: 0.02%

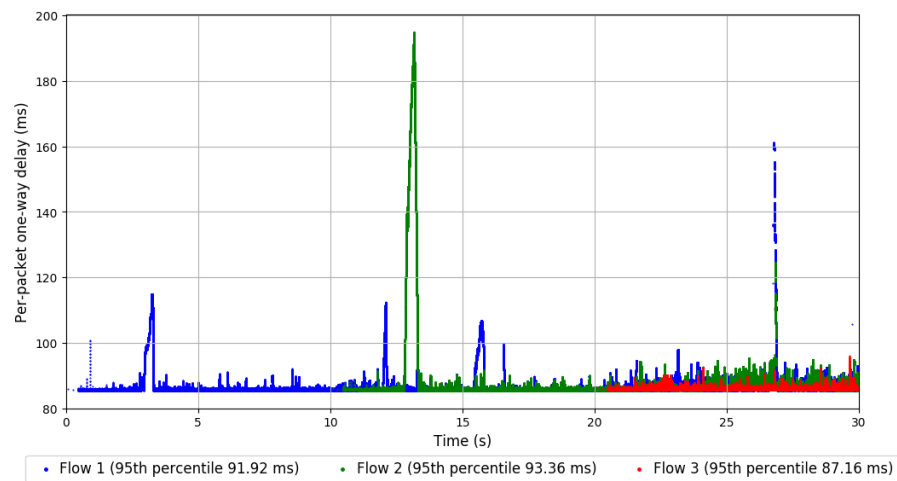
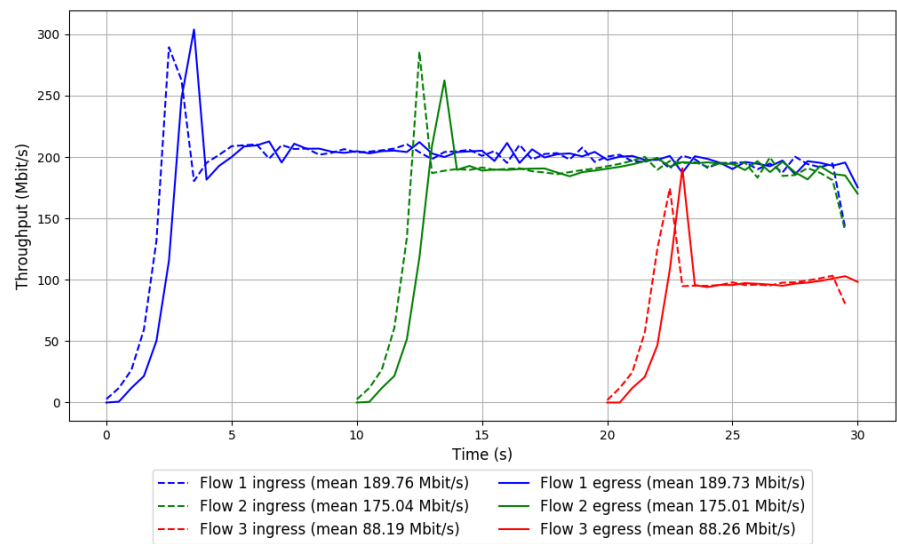
-- Flow 3:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 87.156 ms

Loss rate: 0.01%

Run 7: Report of PCC-Expr — Data Link

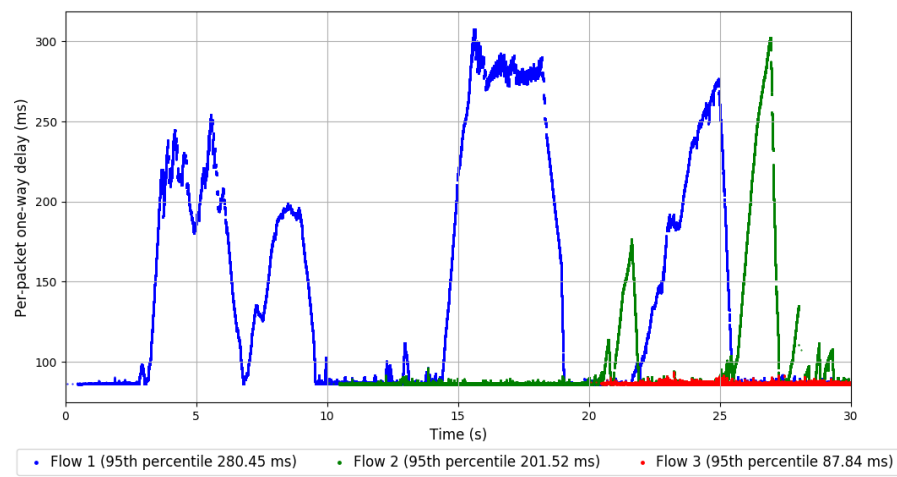
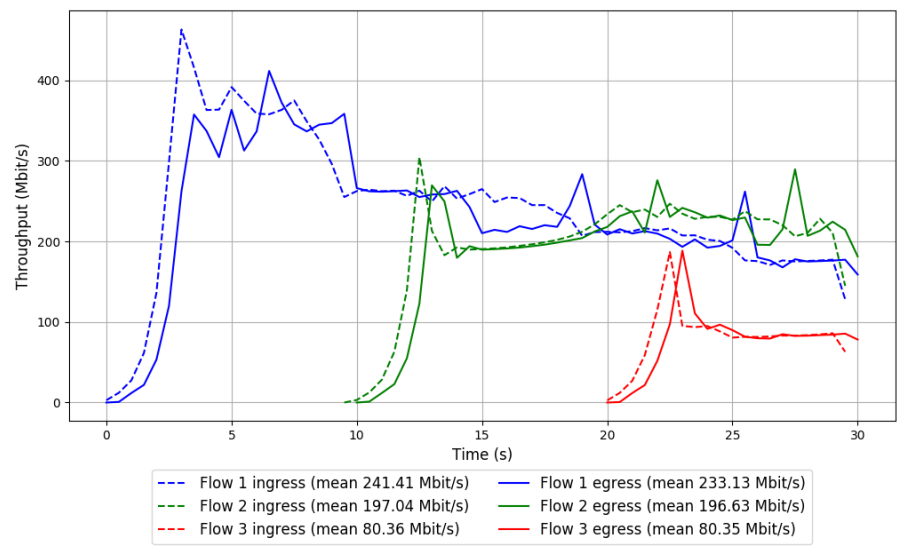


Run 8: Statistics of PCC-Expr

Start at: 2018-05-30 15:25:28
End at: 2018-05-30 15:25:58
Local clock offset: -0.152 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-30 18:13:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.52 Mbit/s
95th percentile per-packet one-way delay: 276.813 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 233.13 Mbit/s
95th percentile per-packet one-way delay: 280.450 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 196.63 Mbit/s
95th percentile per-packet one-way delay: 201.523 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 87.836 ms
Loss rate: 0.04%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-30 15:49:31

End at: 2018-05-30 15:50:01

Local clock offset: 0.022 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-30 18:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.14 Mbit/s

95th percentile per-packet one-way delay: 226.383 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 182.06 Mbit/s

95th percentile per-packet one-way delay: 196.530 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 216.45 Mbit/s

95th percentile per-packet one-way delay: 233.945 ms

Loss rate: 2.90%

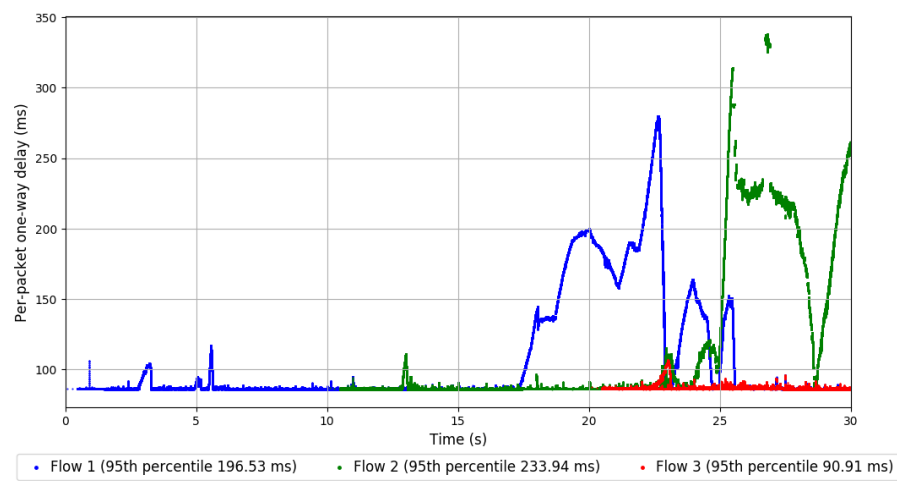
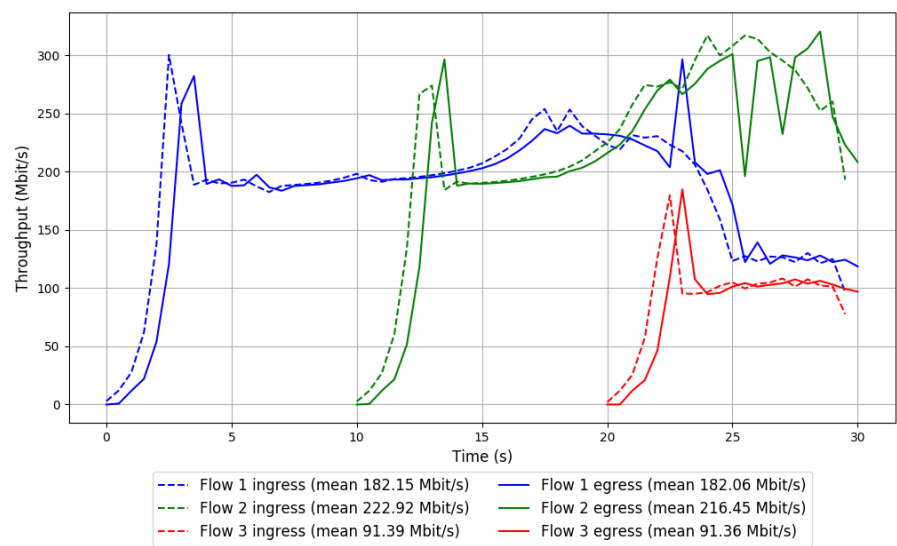
-- Flow 3:

Average throughput: 91.36 Mbit/s

95th percentile per-packet one-way delay: 90.905 ms

Loss rate: 0.03%

Run 9: Report of PCC-Expr — Data Link

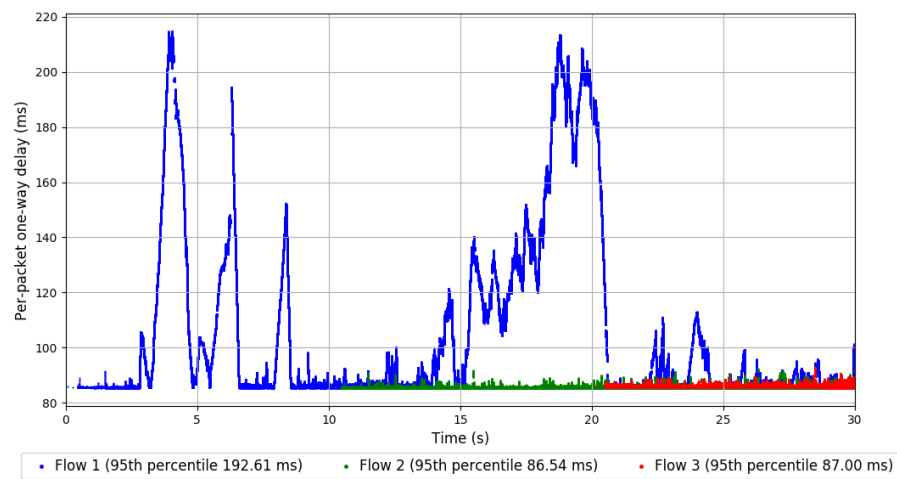
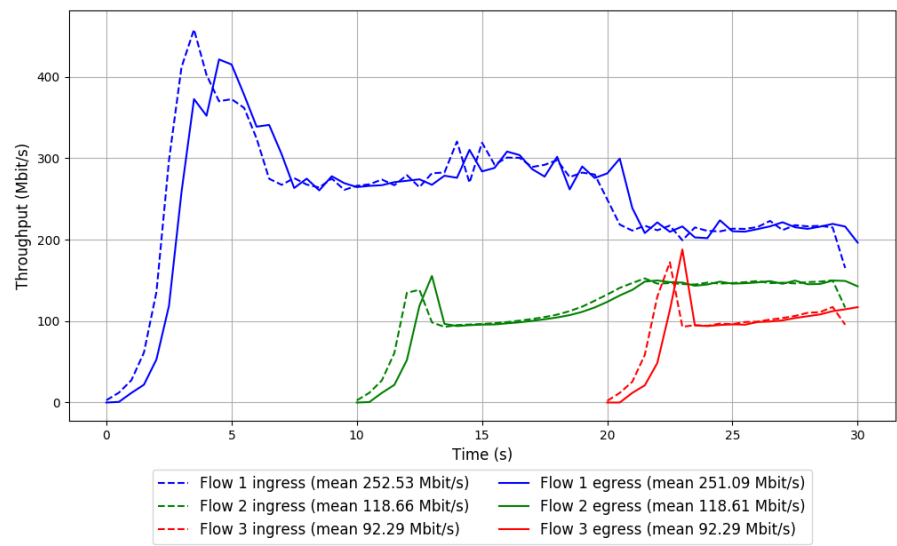


Run 10: Statistics of PCC-Expr

Start at: 2018-05-30 16:13:20
End at: 2018-05-30 16:13:50
Local clock offset: 0.312 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.35 Mbit/s
95th percentile per-packet one-way delay: 185.351 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 251.09 Mbit/s
95th percentile per-packet one-way delay: 192.614 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 118.61 Mbit/s
95th percentile per-packet one-way delay: 86.543 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 86.999 ms
Loss rate: 0.02%

Run 10: Report of PCC-Expr — Data Link

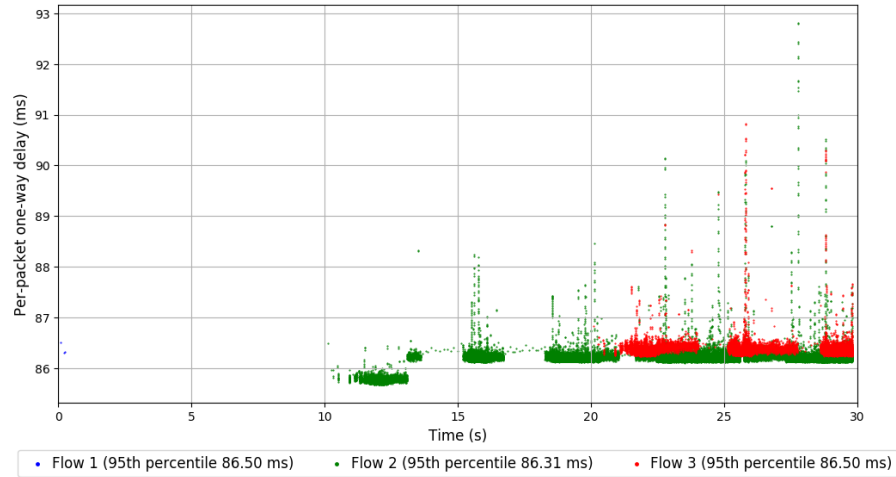
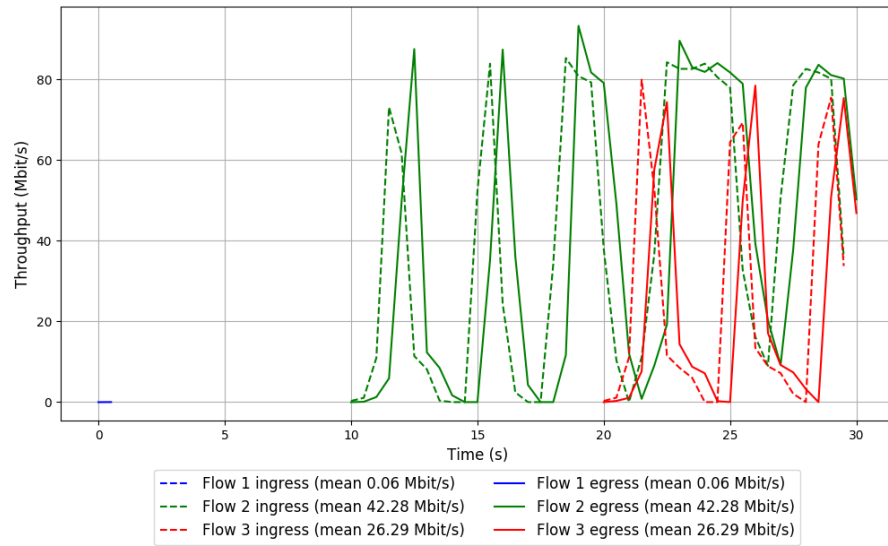


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-30 12:53:35
End at: 2018-05-30 12:54:05
Local clock offset: 0.105 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 86.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 86.305 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 86.495 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

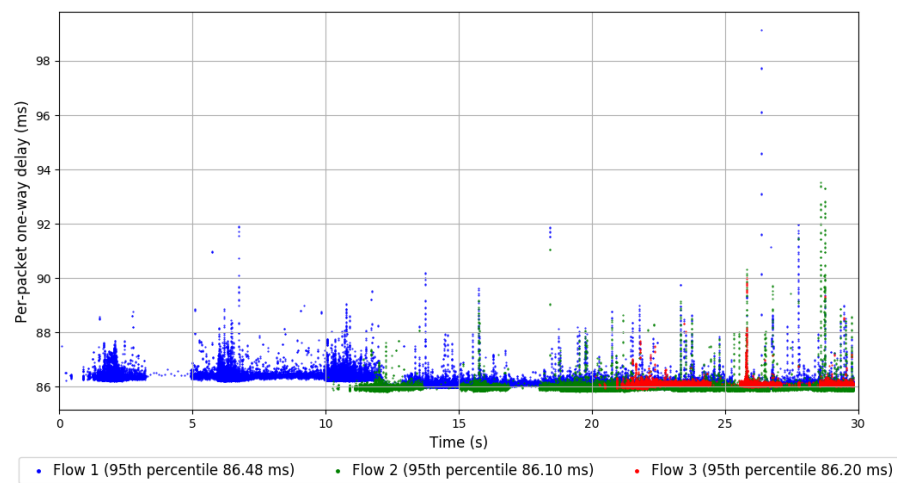
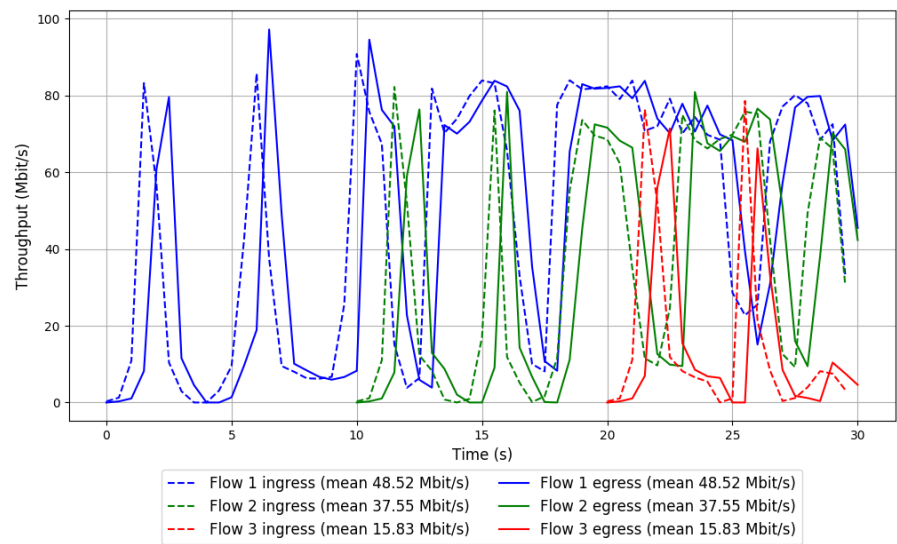


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-30 13:17:36
End at: 2018-05-30 13:18:06
Local clock offset: 0.012 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 86.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 86.485 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 86.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 86.200 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-30 13:41:37

End at: 2018-05-30 13:42:07

Local clock offset: -0.079 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-30 18:15:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.03 Mbit/s

95th percentile per-packet one-way delay: 86.552 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.221 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 0.00%

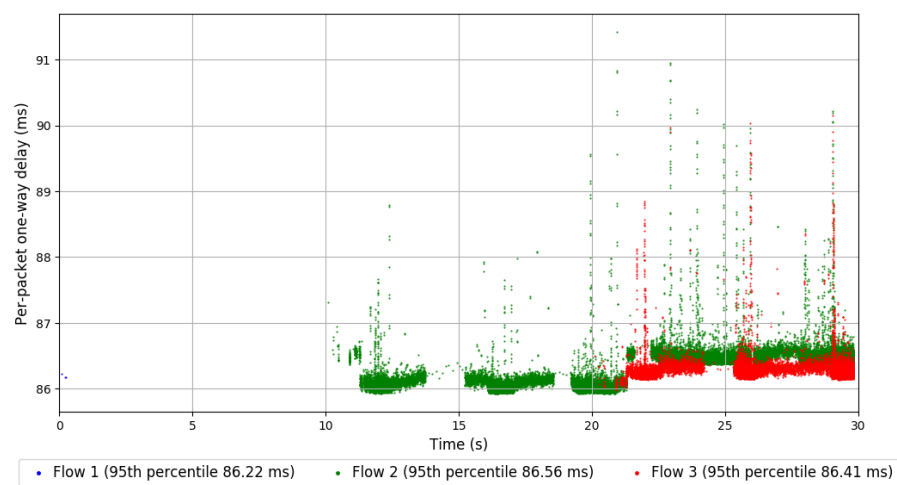
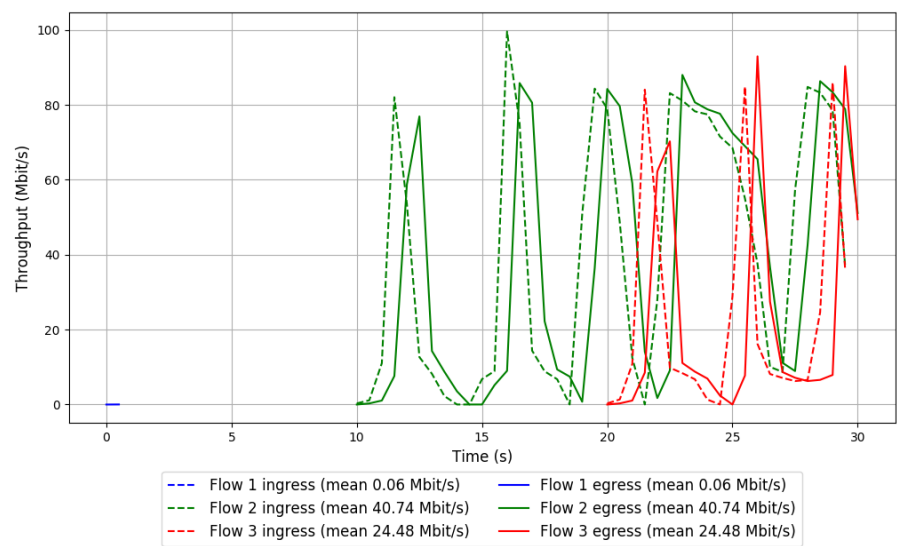
-- Flow 3:

Average throughput: 24.48 Mbit/s

95th percentile per-packet one-way delay: 86.412 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

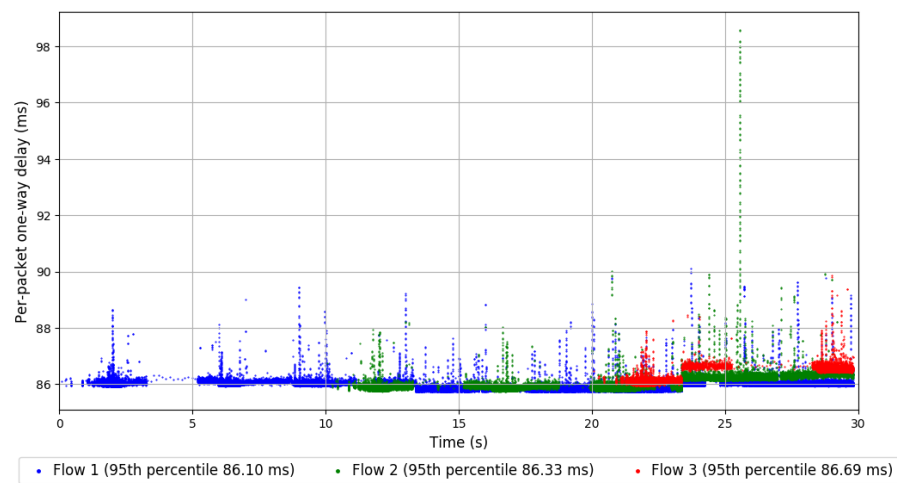
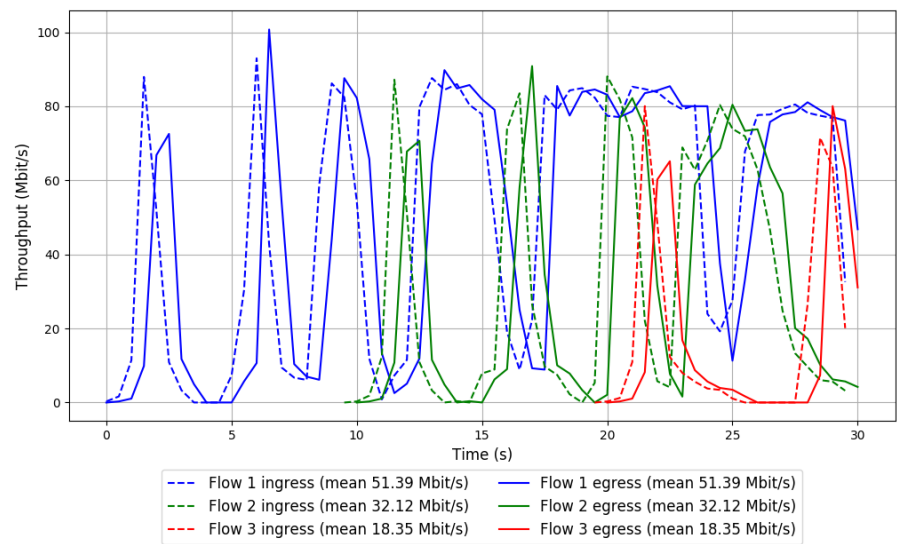


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-30 14:05:25
End at: 2018-05-30 14:05:55
Local clock offset: 0.136 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 86.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 86.098 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 86.327 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 86.685 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-30 14:29:00

End at: 2018-05-30 14:29:30

Local clock offset: 0.078 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-05-30 18:15:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.02 Mbit/s

95th percentile per-packet one-way delay: 86.417 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 86.416 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 86.429 ms

Loss rate: 0.00%

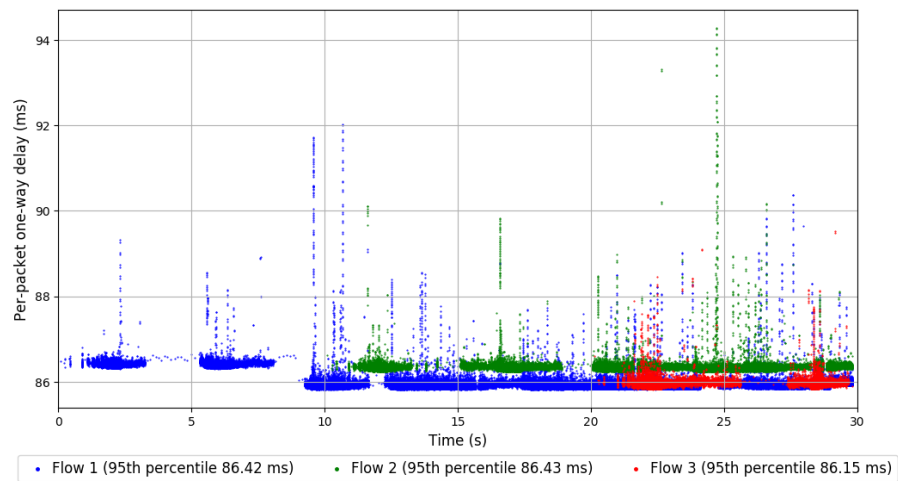
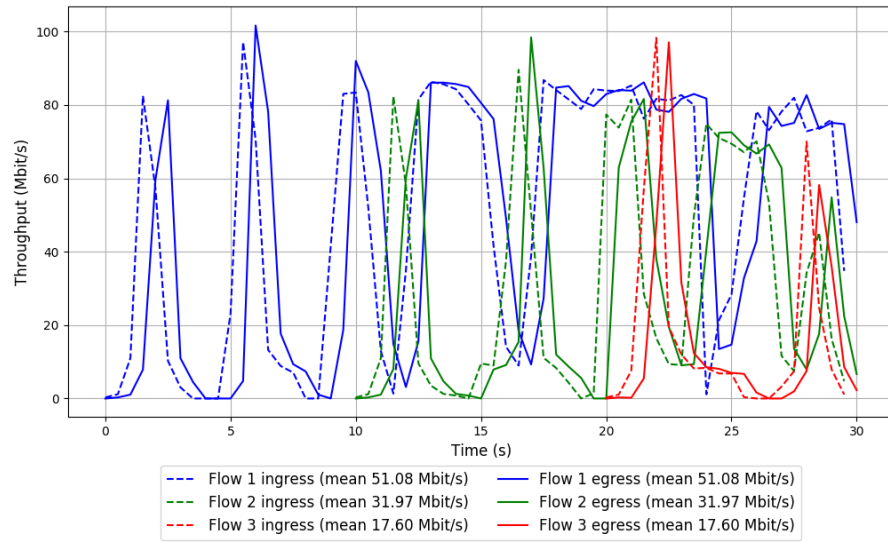
-- Flow 3:

Average throughput: 17.60 Mbit/s

95th percentile per-packet one-way delay: 86.151 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-30 14:53:02

End at: 2018-05-30 14:53:32

Local clock offset: 0.214 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-05-30 18:15:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 85.890 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.14 Mbit/s

95th percentile per-packet one-way delay: 85.878 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.70 Mbit/s

95th percentile per-packet one-way delay: 85.921 ms

Loss rate: 0.00%

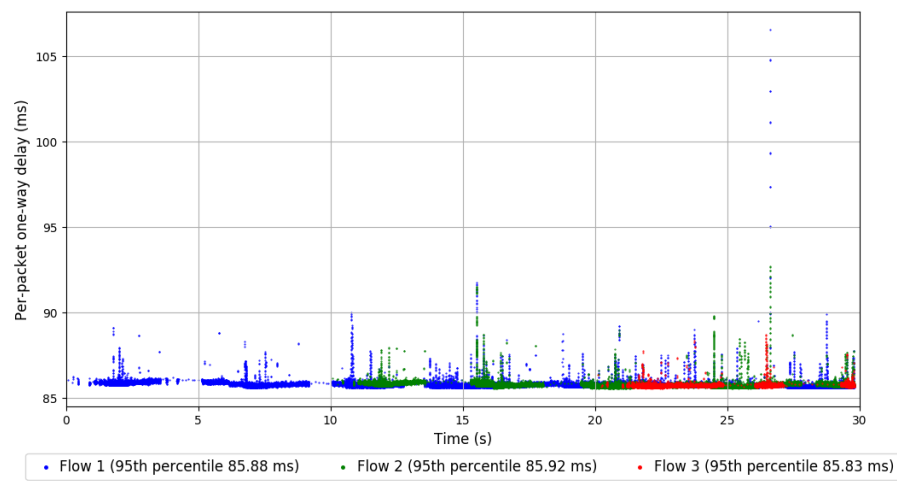
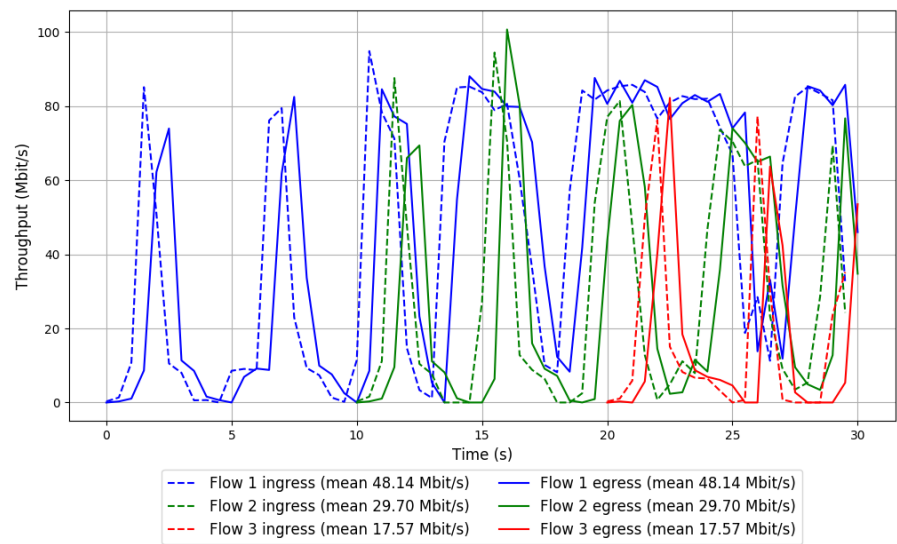
-- Flow 3:

Average throughput: 17.57 Mbit/s

95th percentile per-packet one-way delay: 85.828 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

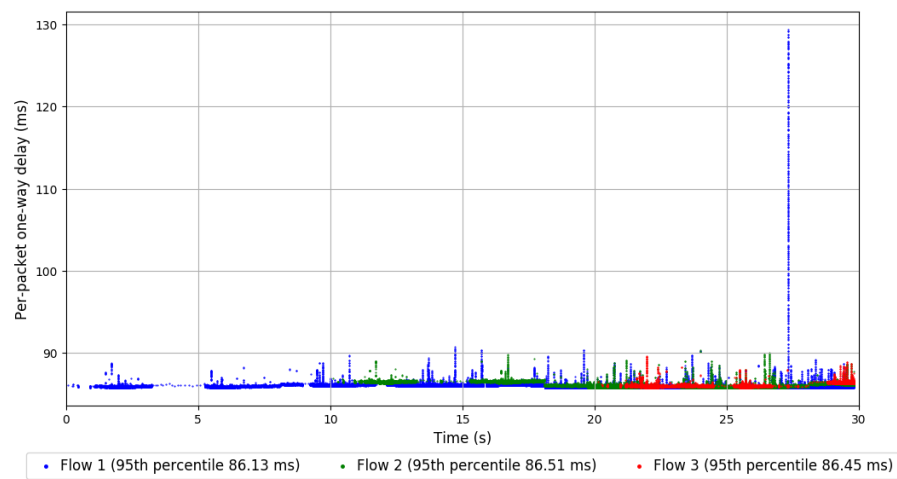
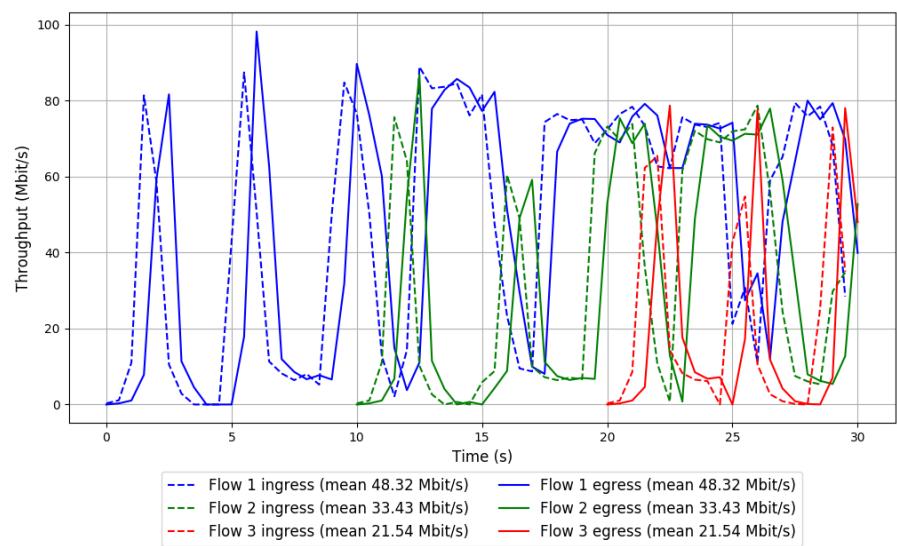


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-30 15:16:50
End at: 2018-05-30 15:17:20
Local clock offset: 0.005 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.49 Mbit/s
95th percentile per-packet one-way delay: 86.423 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 86.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 86.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

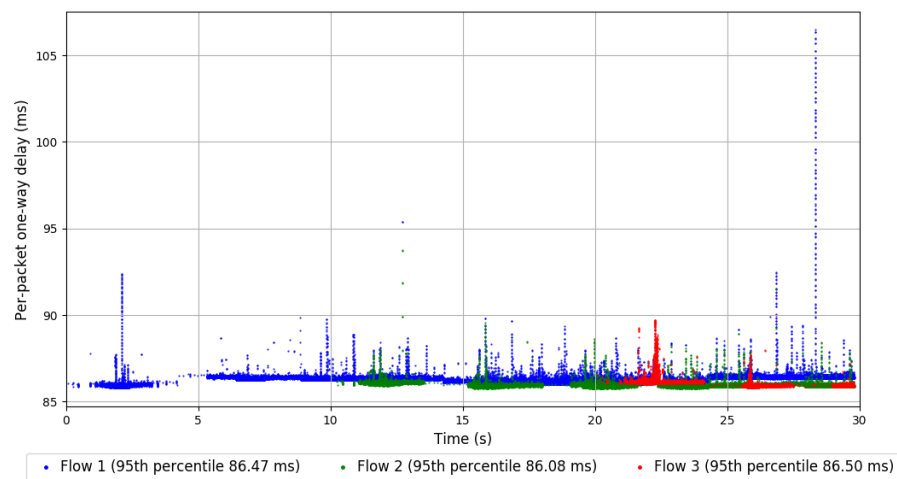
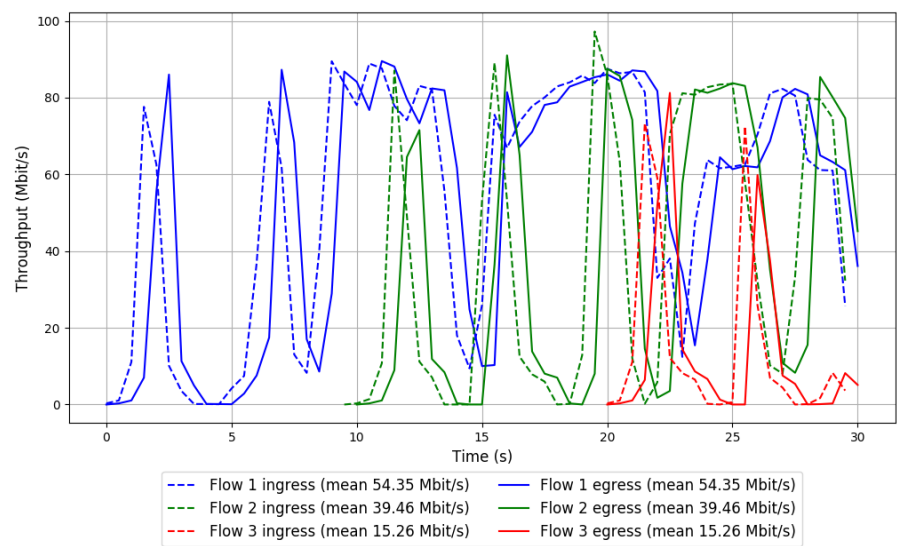


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-30 15:40:44
End at: 2018-05-30 15:41:14
Local clock offset: -0.022 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 86.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 86.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 86.497 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

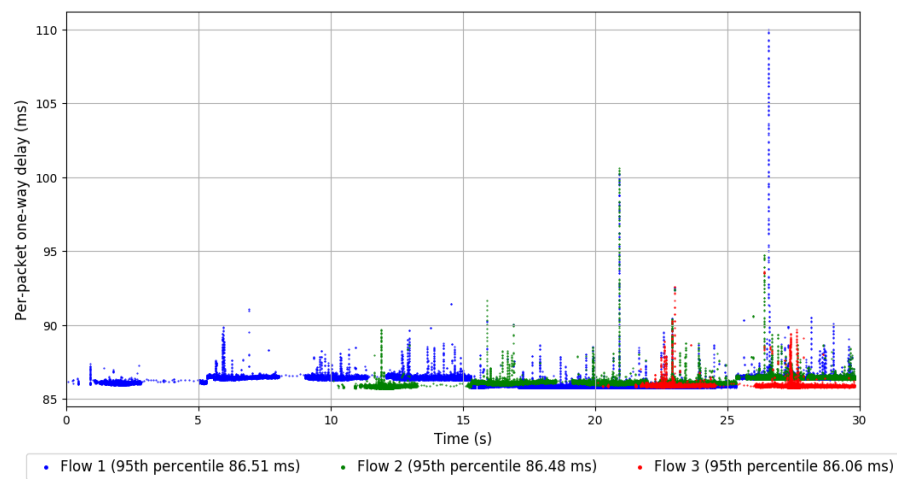
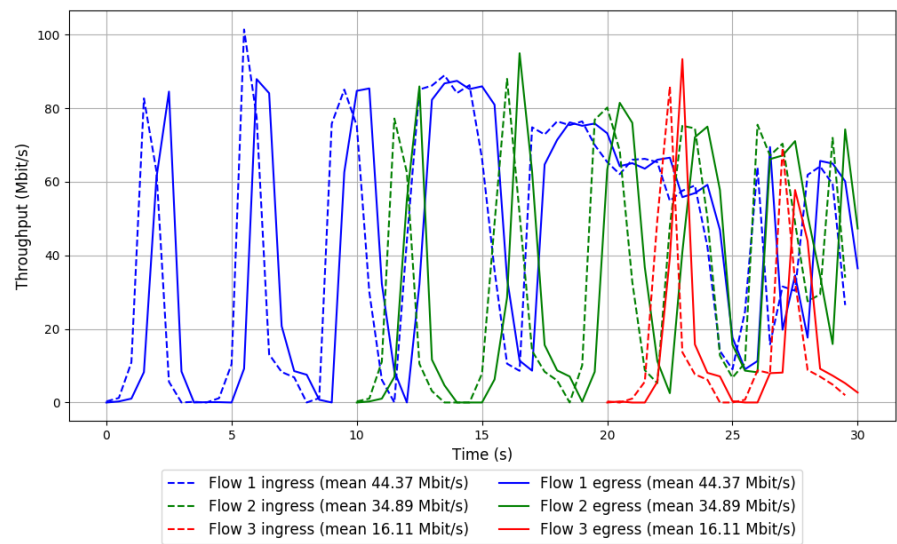


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-30 16:04:33
End at: 2018-05-30 16:05:03
Local clock offset: 0.057 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.76 Mbit/s
95th percentile per-packet one-way delay: 86.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 86.507 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 86.485 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 86.056 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

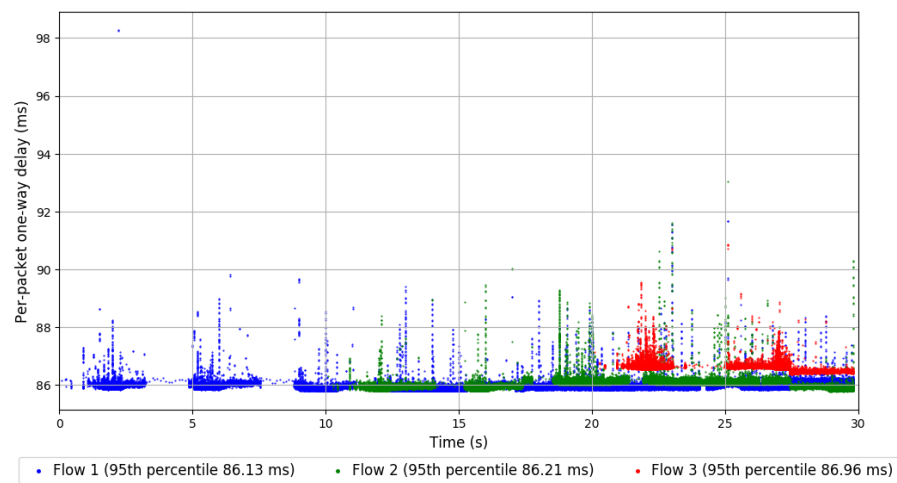
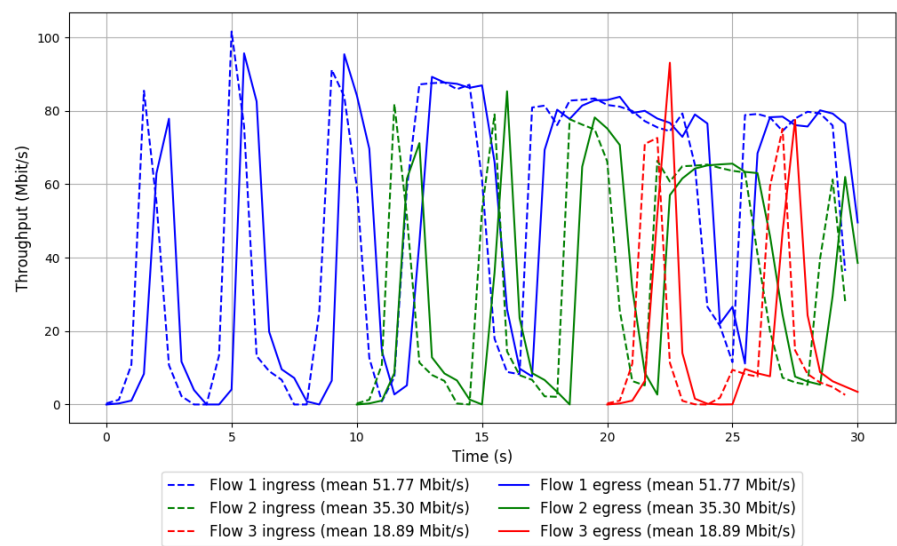


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-30 16:28:31
End at: 2018-05-30 16:29:01
Local clock offset: 0.008 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: 86.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 86.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 86.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 86.959 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

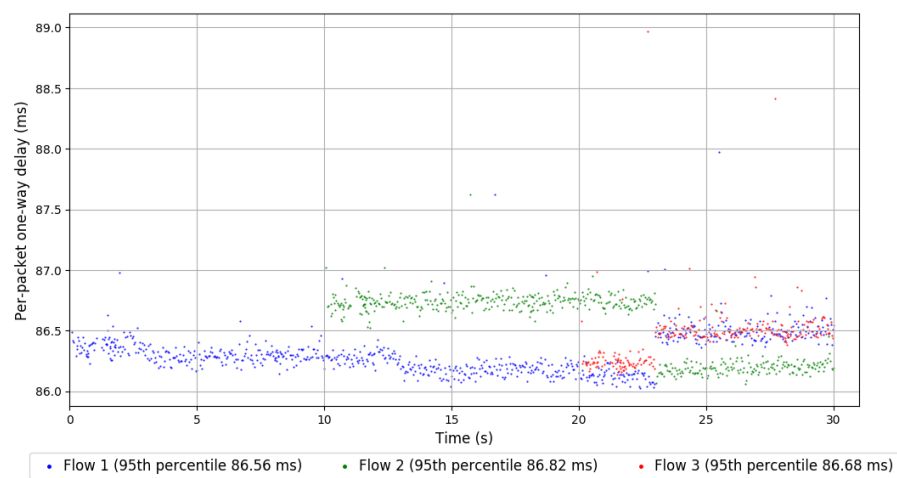
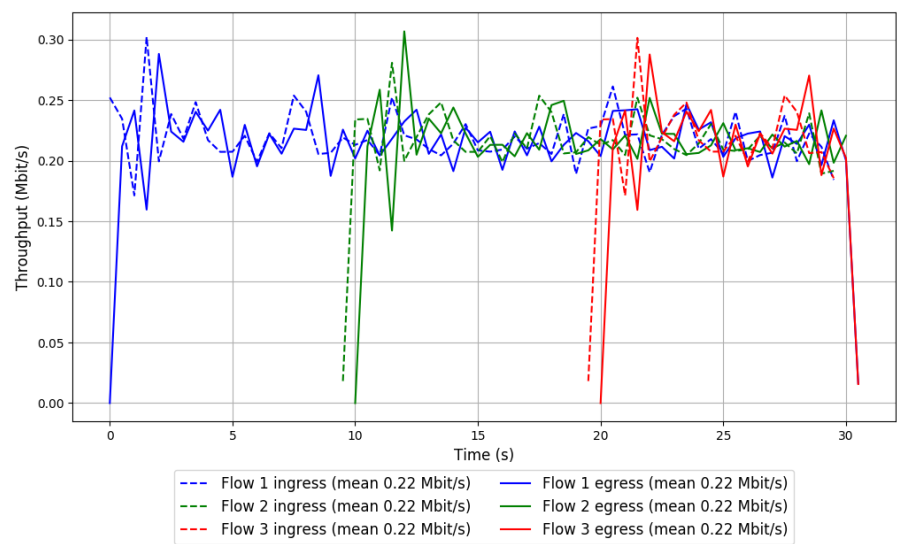


```
Run 1: Statistics of SReAM

Start at: 2018-05-30 12:49:26
End at: 2018-05-30 12:49:56
Local clock offset: -0.072 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-05-30 18:15:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.561 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.683 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

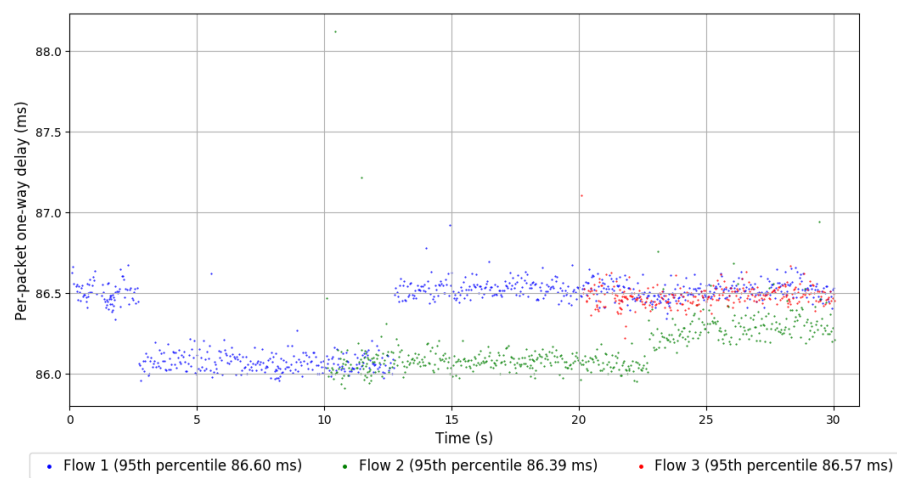
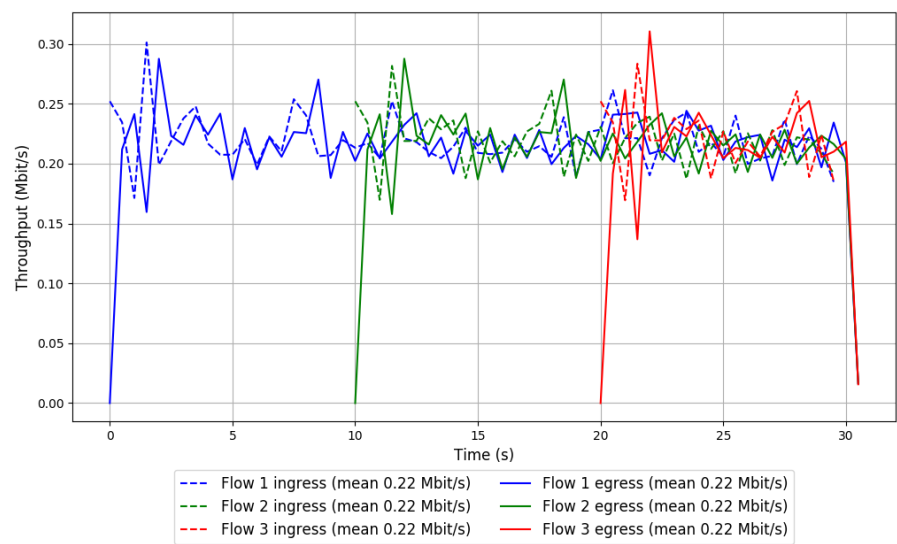


Run 2: Statistics of SReAM

Start at: 2018-05-30 13:13:26
End at: 2018-05-30 13:13:56
Local clock offset: 0.095 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.573 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

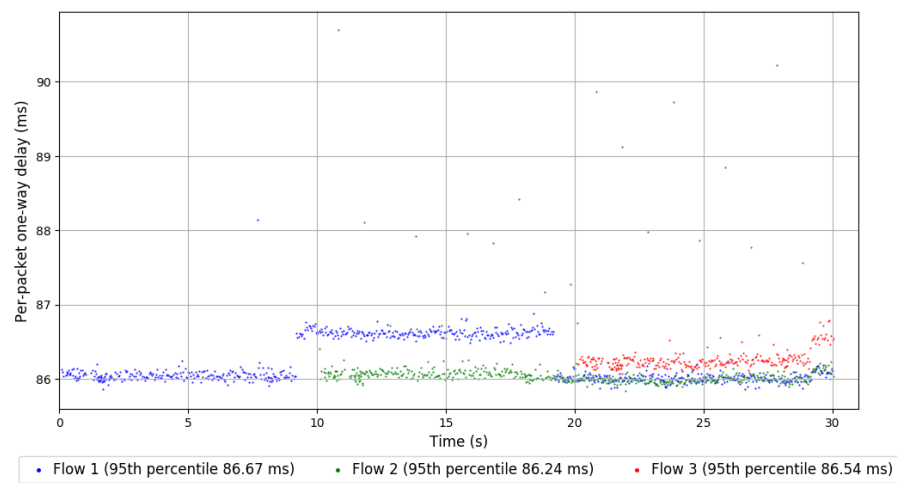
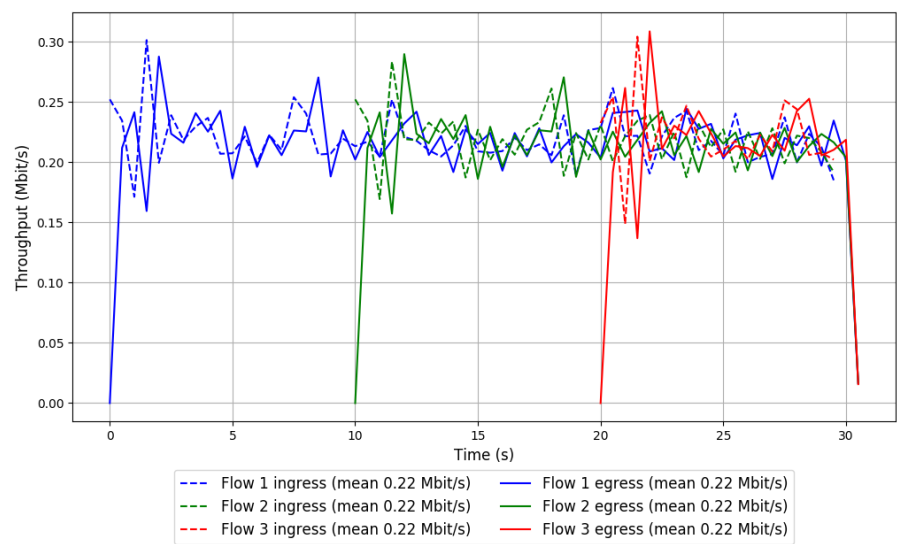


Run 3: Statistics of SReAM

Start at: 2018-05-30 13:37:30
End at: 2018-05-30 13:38:00
Local clock offset: 0.126 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.667 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.543 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

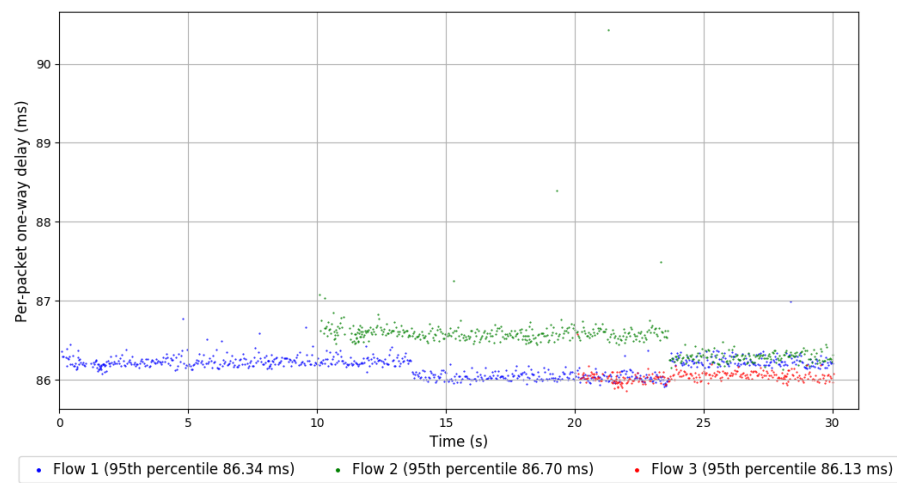
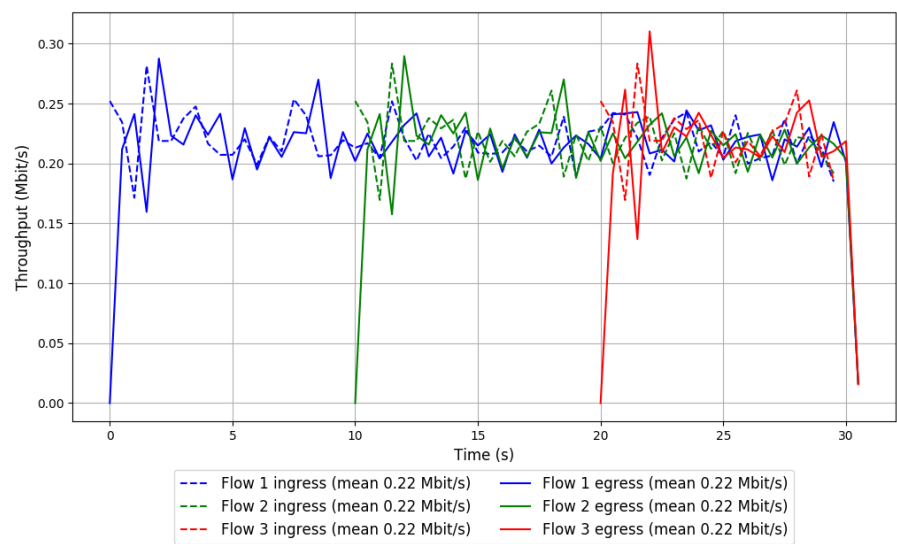


Run 4: Statistics of SReAM

Start at: 2018-05-30 14:01:15
End at: 2018-05-30 14:01:45
Local clock offset: 0.068 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.126 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-05-30 14:24:53

End at: 2018-05-30 14:25:23

Local clock offset: 0.213 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-30 18:15:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.520 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.548 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.115 ms

Loss rate: 0.00%

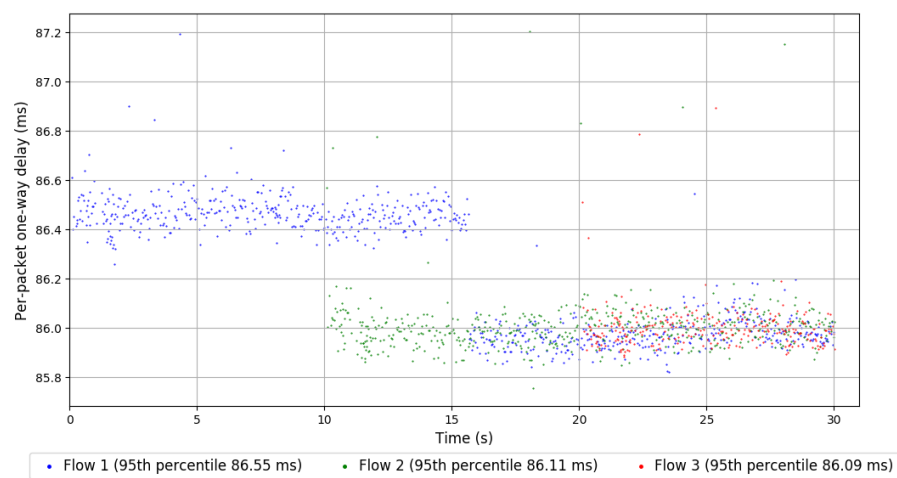
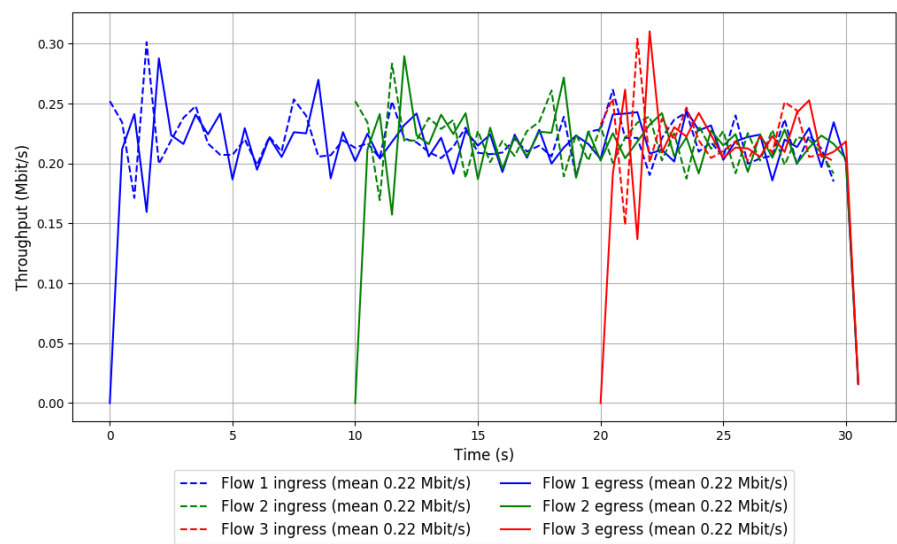
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.087 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-05-30 14:48:55

End at: 2018-05-30 14:49:25

Local clock offset: 0.1 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-05-30 18:15:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.737 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.776 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

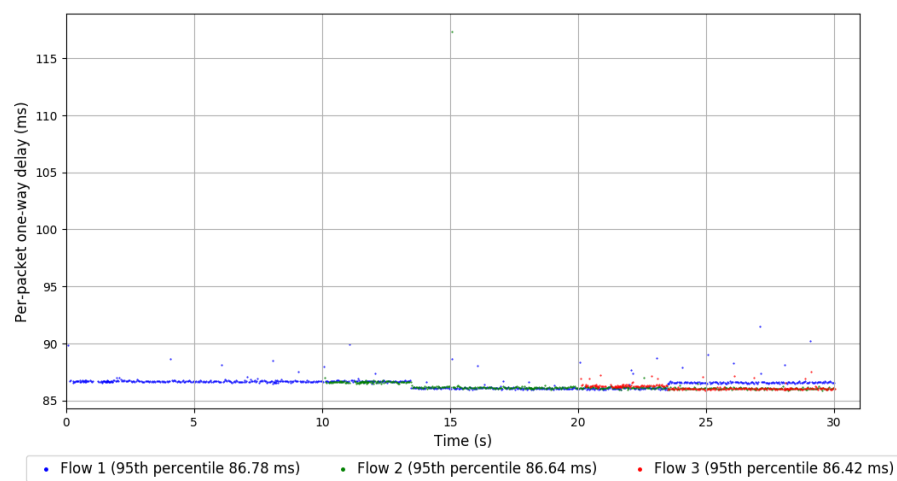
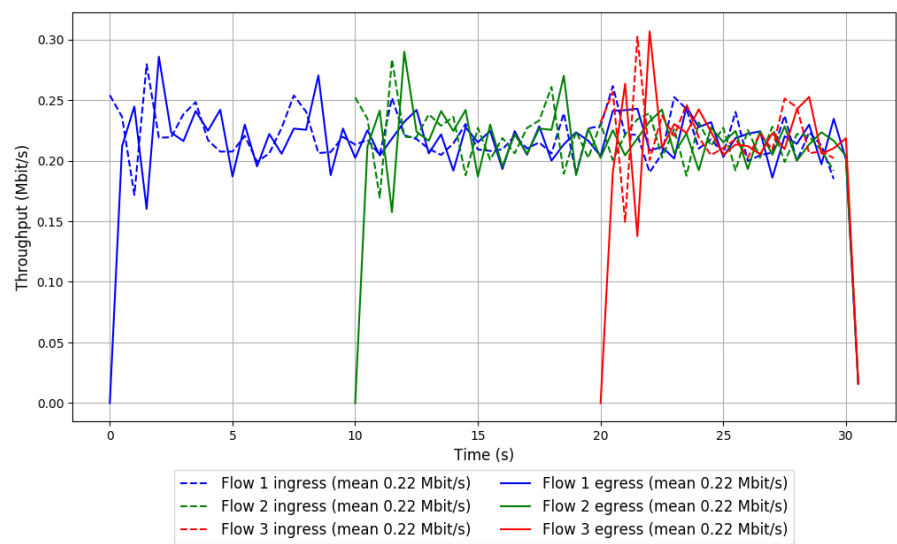
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.419 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

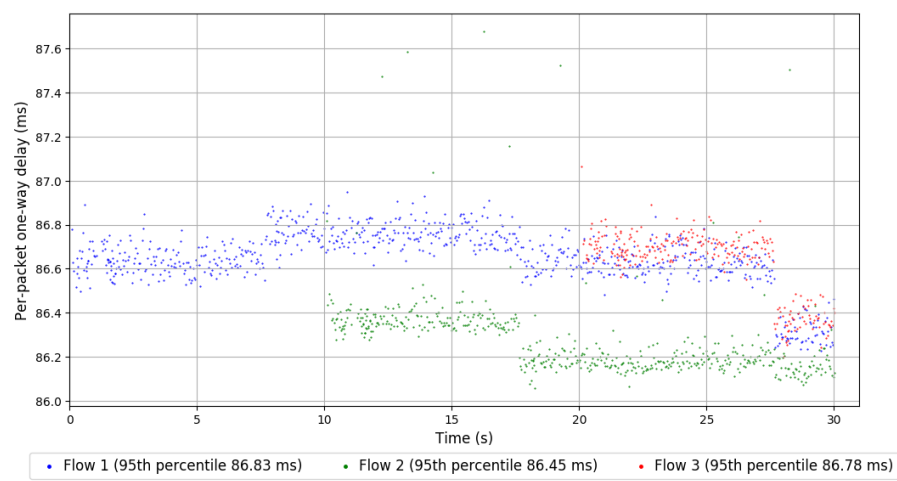
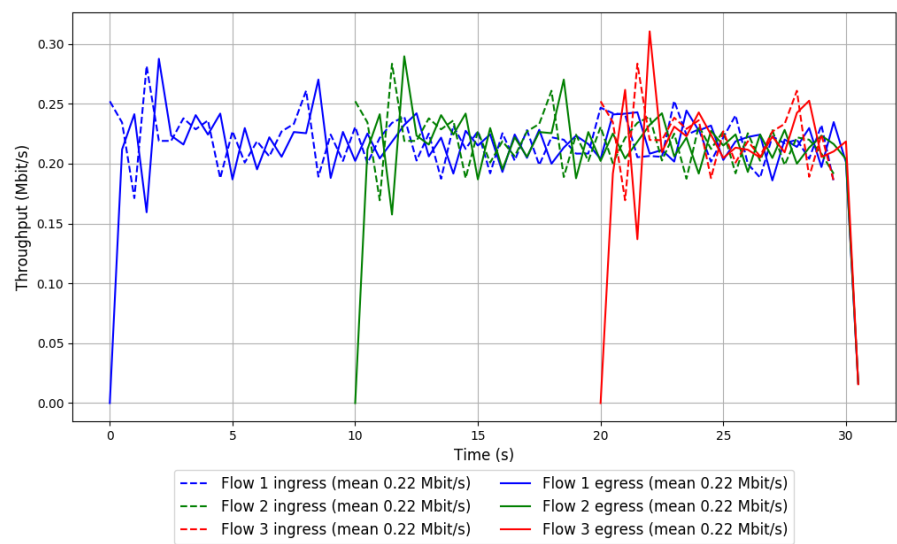


Run 7: Statistics of SReAM

Start at: 2018-05-30 15:12:41
End at: 2018-05-30 15:13:11
Local clock offset: -0.122 ms
Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-05-30 18:15:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.832 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.451 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.785 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-05-30 15:36:35

End at: 2018-05-30 15:37:05

Local clock offset: 0.097 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-05-30 18:15:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.656 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.690 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.544 ms

Loss rate: 0.00%

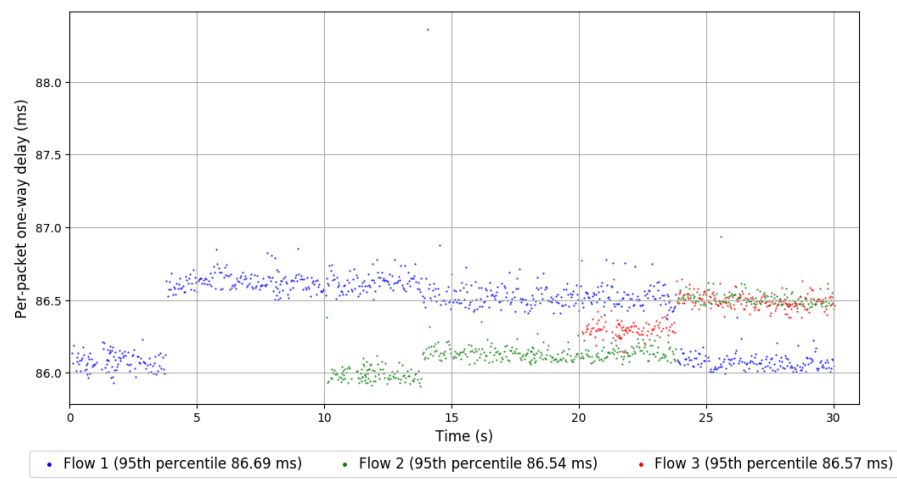
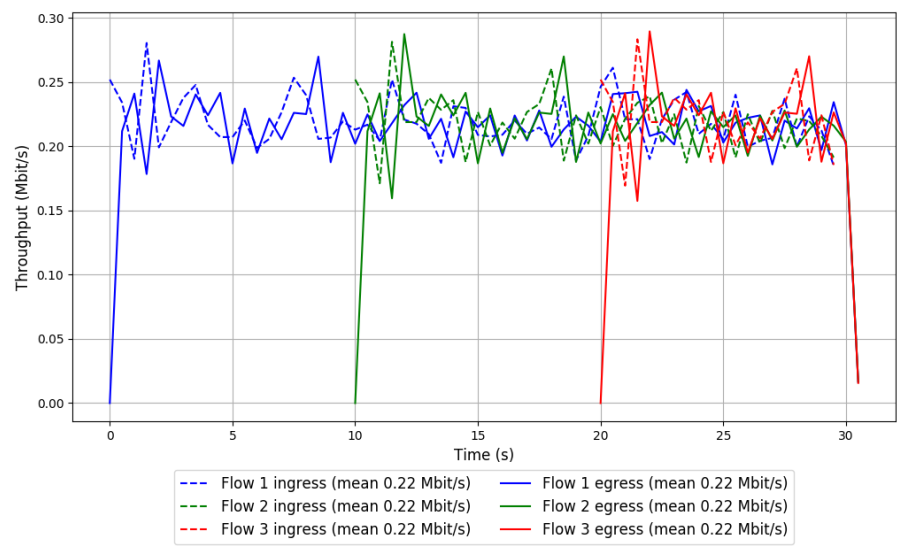
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.572 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

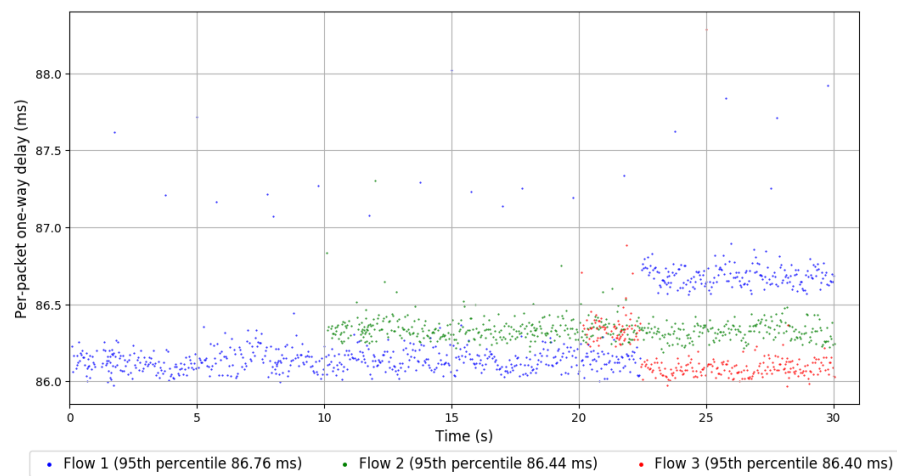
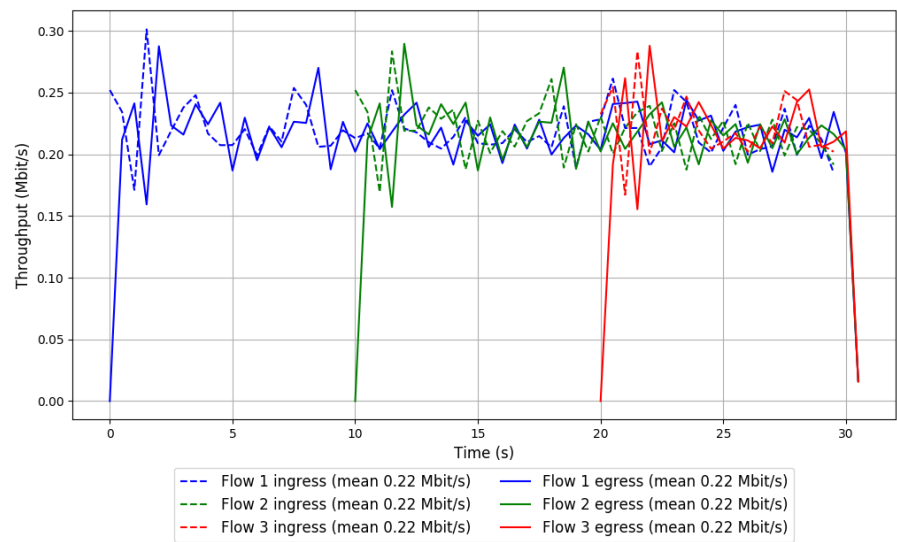


Run 9: Statistics of SReAM

Start at: 2018-05-30 16:00:26
End at: 2018-05-30 16:00:56
Local clock offset: -0.056 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-30 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.761 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.436 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.397 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

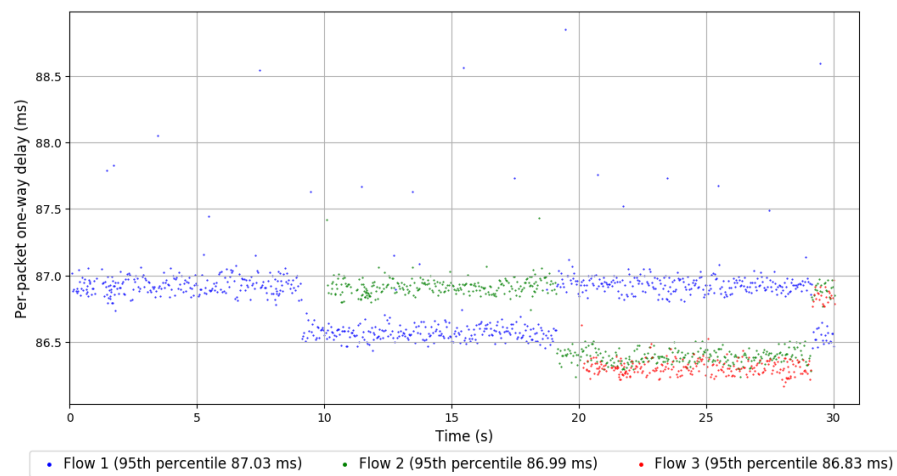
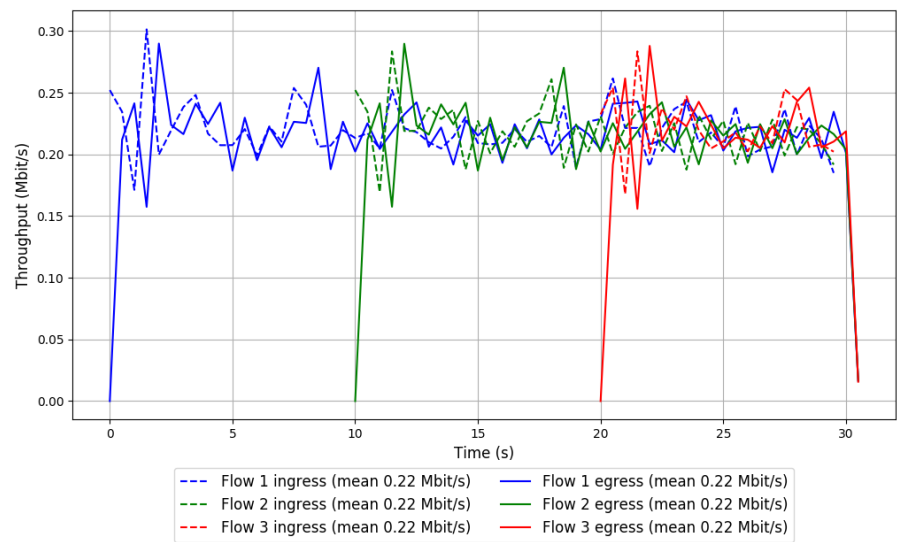


Run 10: Statistics of SReAM

Start at: 2018-05-30 16:24:20
End at: 2018-05-30 16:24:50
Local clock offset: -0.23 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-30 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.035 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.986 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.833 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

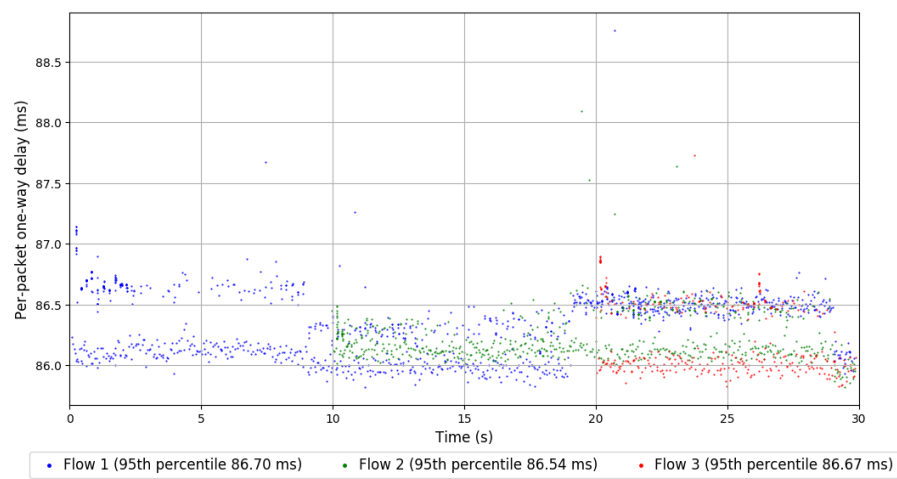
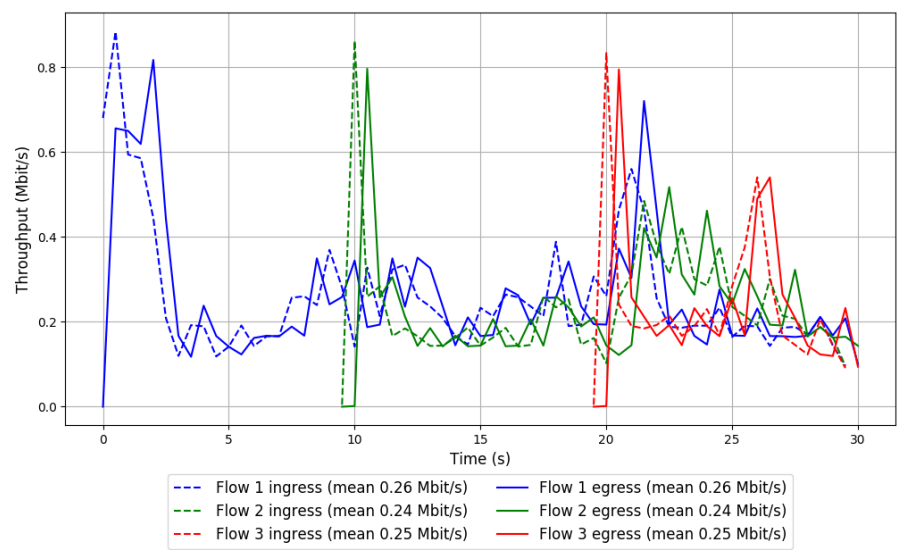


Run 1: Statistics of Sprout

Start at: 2018-05-30 12:43:20
End at: 2018-05-30 12:43:50
Local clock offset: 0.123 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-30 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 86.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.673 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

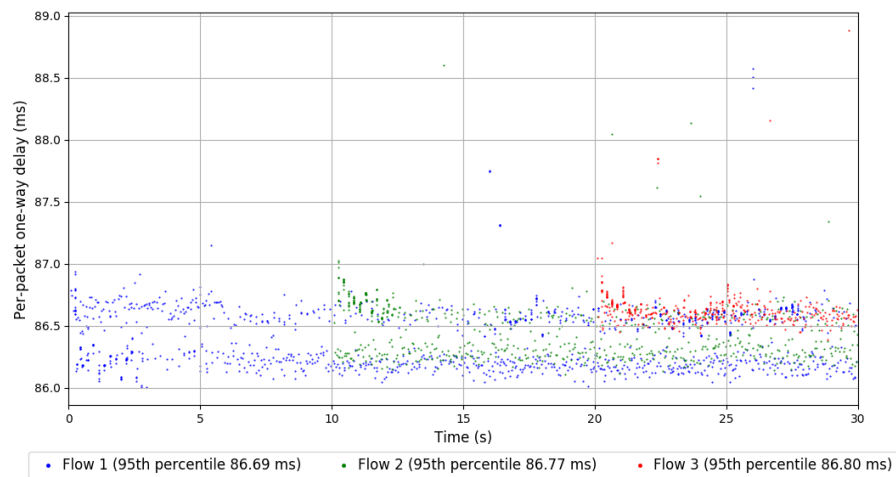
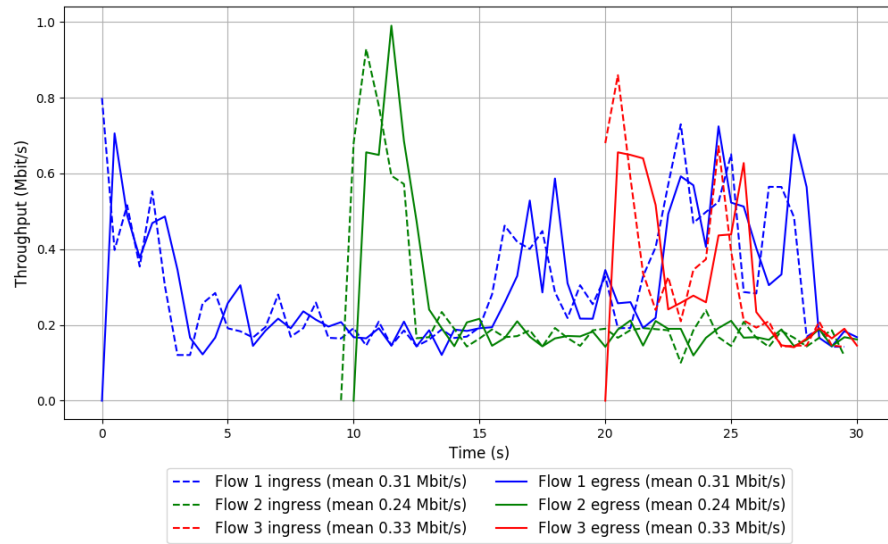


Run 2: Statistics of Sprout

Start at: 2018-05-30 13:07:23
End at: 2018-05-30 13:07:53
Local clock offset: 0.042 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-30 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.765 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.798 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

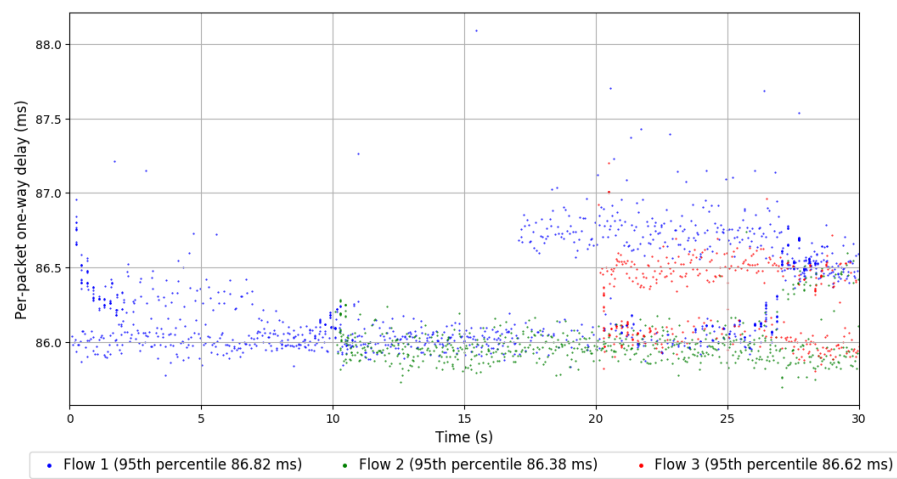
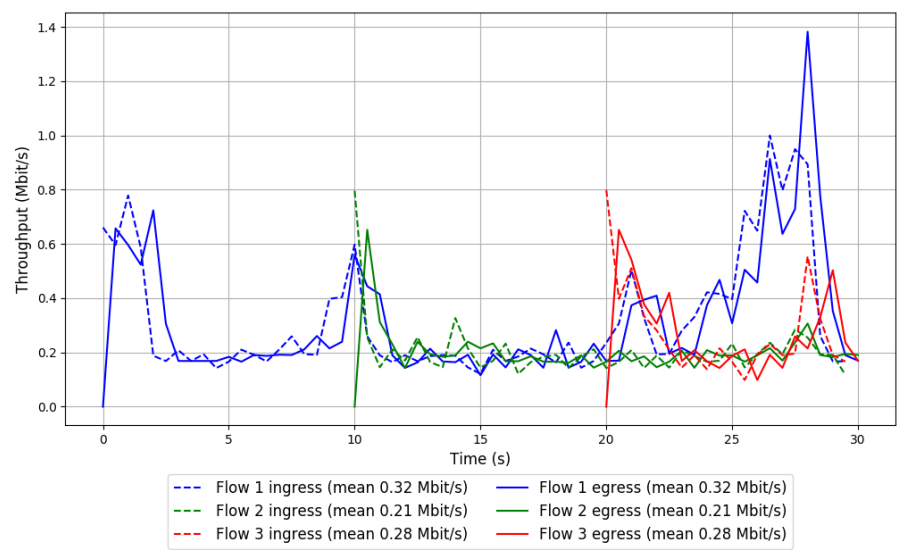


Run 3: Statistics of Sprout

Start at: 2018-05-30 13:31:22
End at: 2018-05-30 13:31:52
Local clock offset: 0.162 ms
Remote clock offset: -0.073 ms

```
# Below is generated by plot.py at 2018-05-30 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 86.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.818 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.618 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

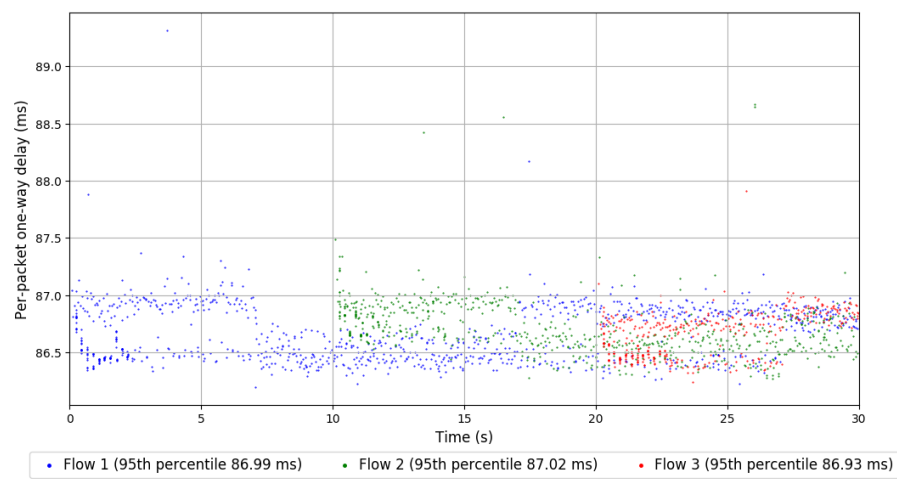
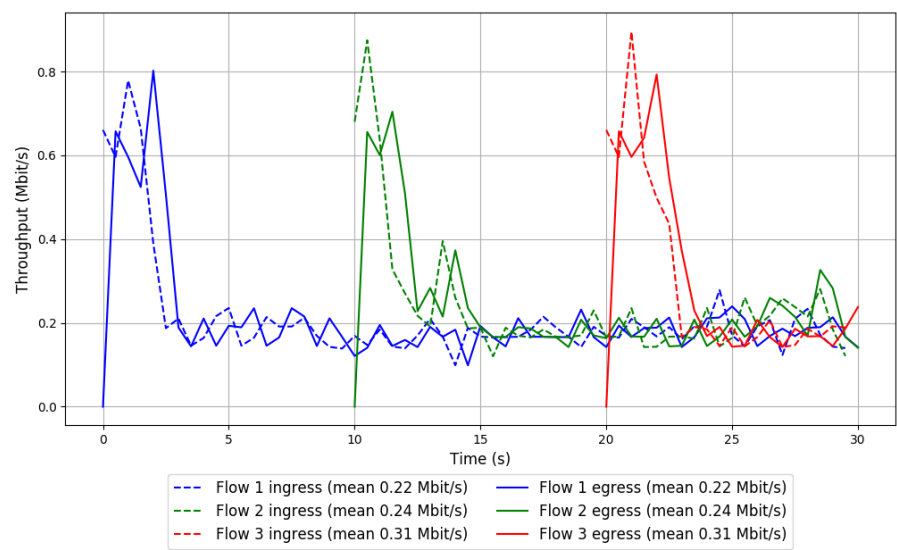


Run 4: Statistics of Sprout

Start at: 2018-05-30 13:55:12
End at: 2018-05-30 13:55:42
Local clock offset: -0.221 ms
Remote clock offset: -0.027 ms

```
# Below is generated by plot.py at 2018-05-30 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 86.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 87.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.927 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-30 14:18:54

End at: 2018-05-30 14:19:24

Local clock offset: 0.006 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-30 18:15:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 86.695 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.701 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.614 ms

Loss rate: 0.00%

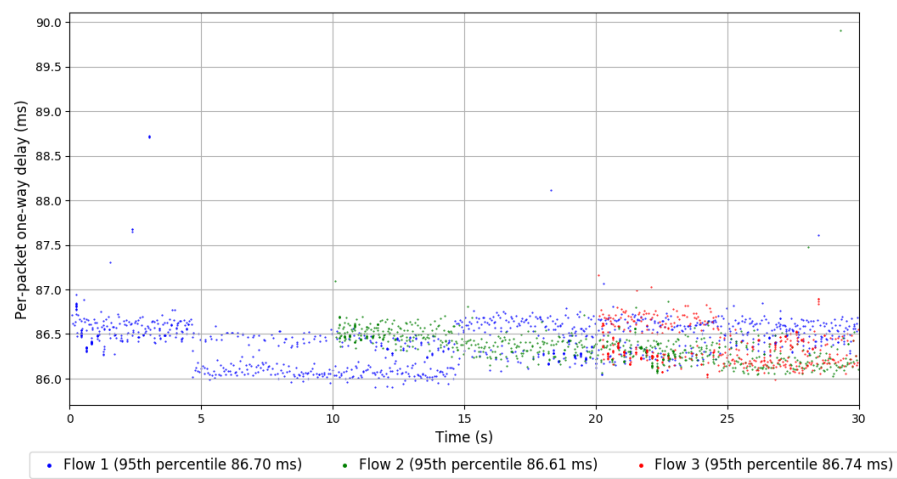
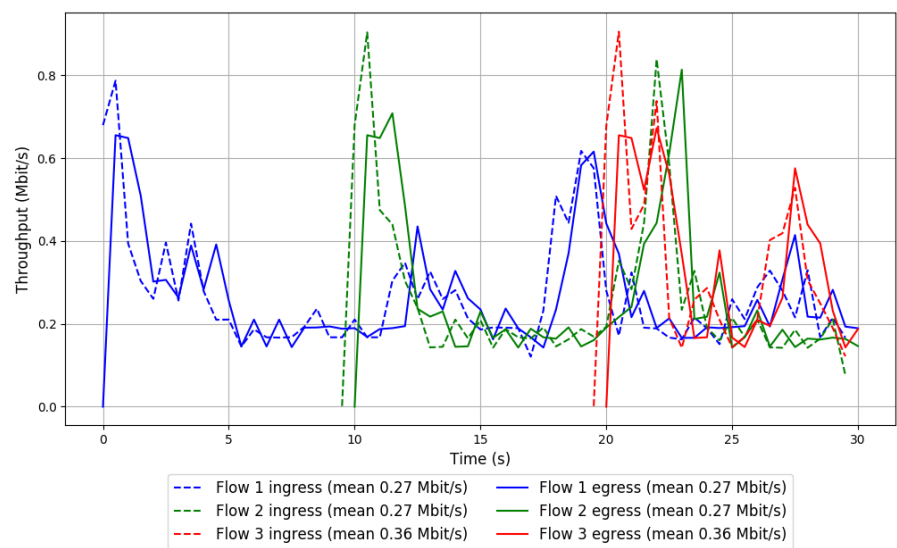
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 86.743 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

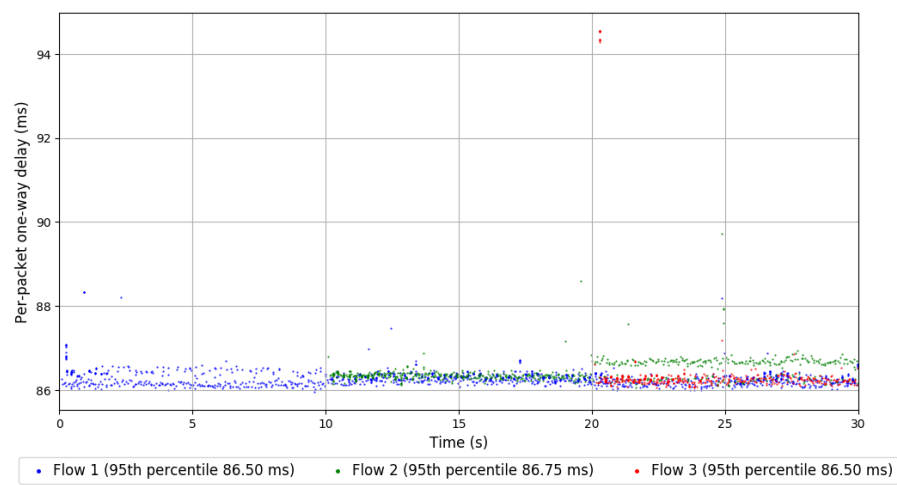
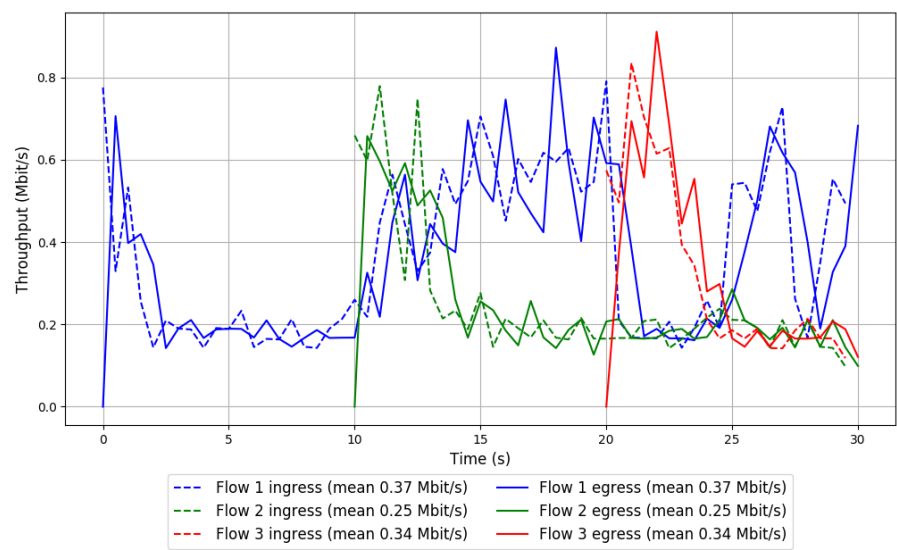


Run 6: Statistics of Sprout

Start at: 2018-05-30 14:42:49
End at: 2018-05-30 14:43:19
Local clock offset: -0.045 ms
Remote clock offset: 0.018 ms

```
# Below is generated by plot.py at 2018-05-30 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 86.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.495 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

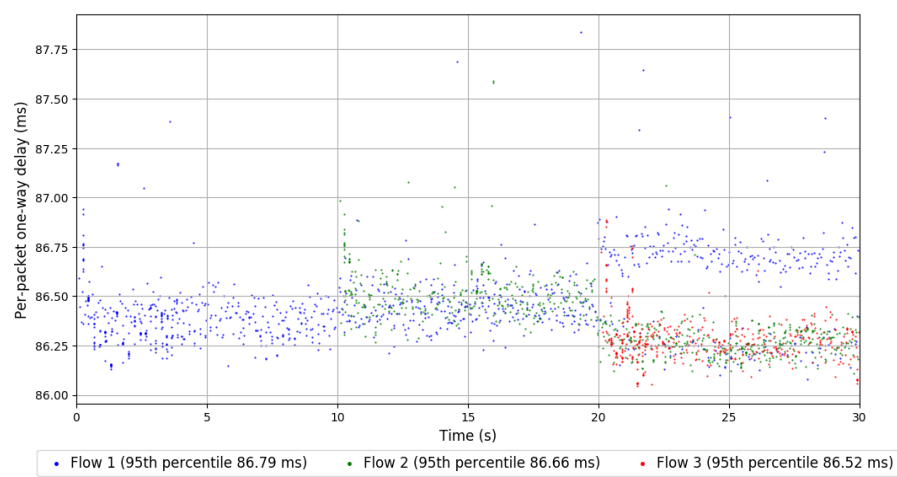
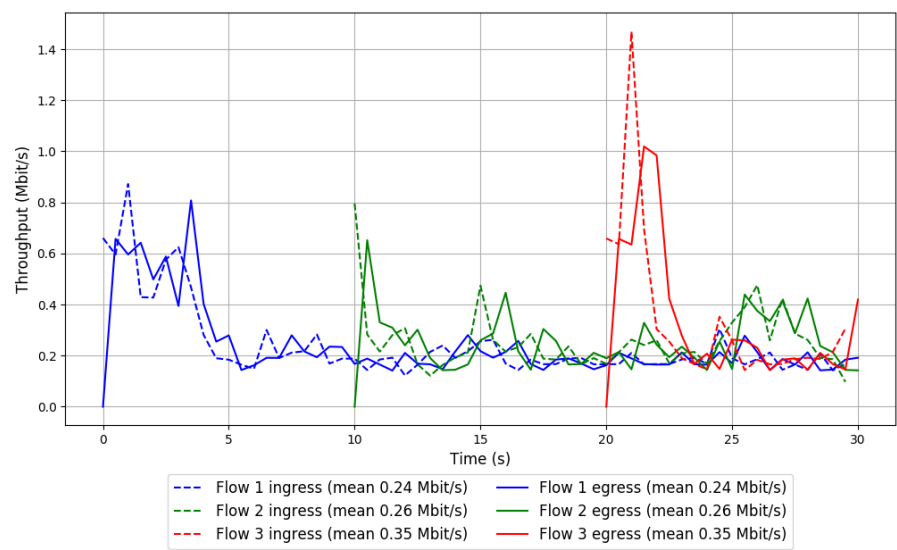


Run 7: Statistics of Sprout

Start at: 2018-05-30 15:06:39
End at: 2018-05-30 15:07:09
Local clock offset: -0.151 ms
Remote clock offset: -0.007 ms

```
# Below is generated by plot.py at 2018-05-30 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.658 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.524 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-30 15:30:30

End at: 2018-05-30 15:31:00

Local clock offset: 0.17 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-05-30 18:15:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 86.605 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 86.596 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.25 Mbit/s

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

Loss rate: 0.00%

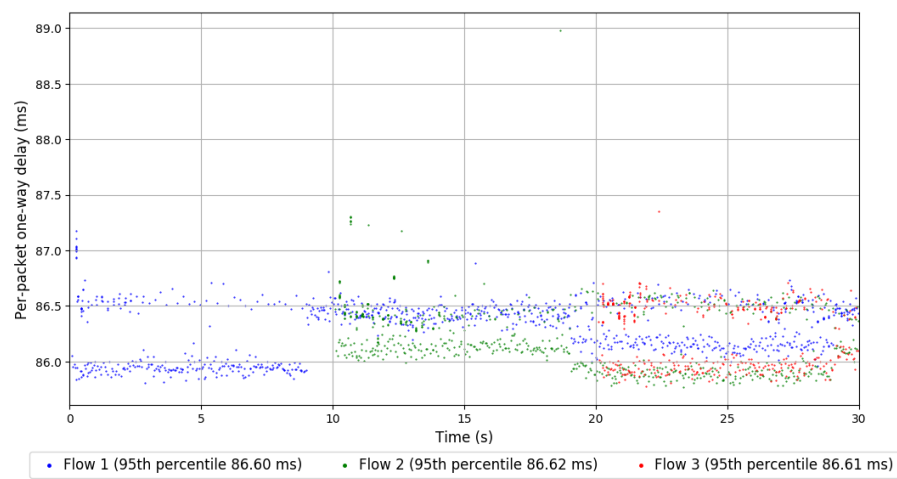
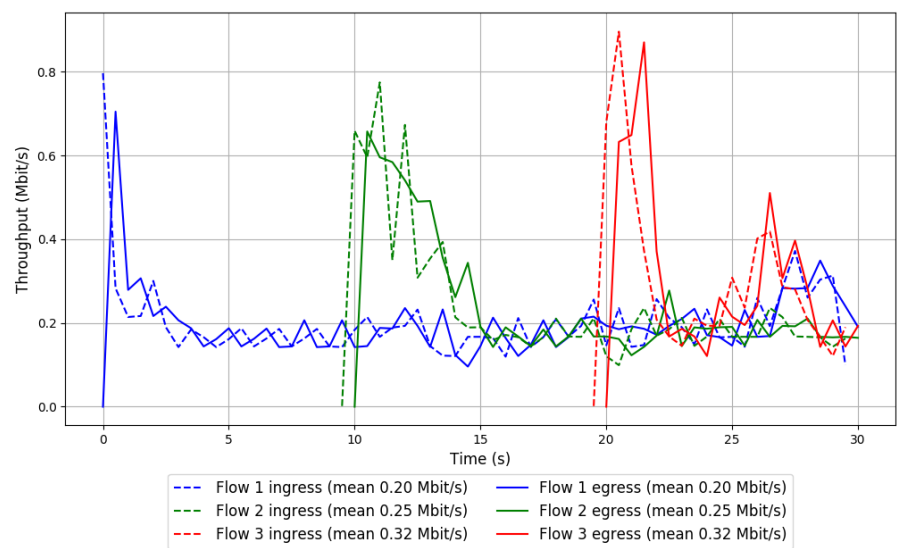
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.607 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

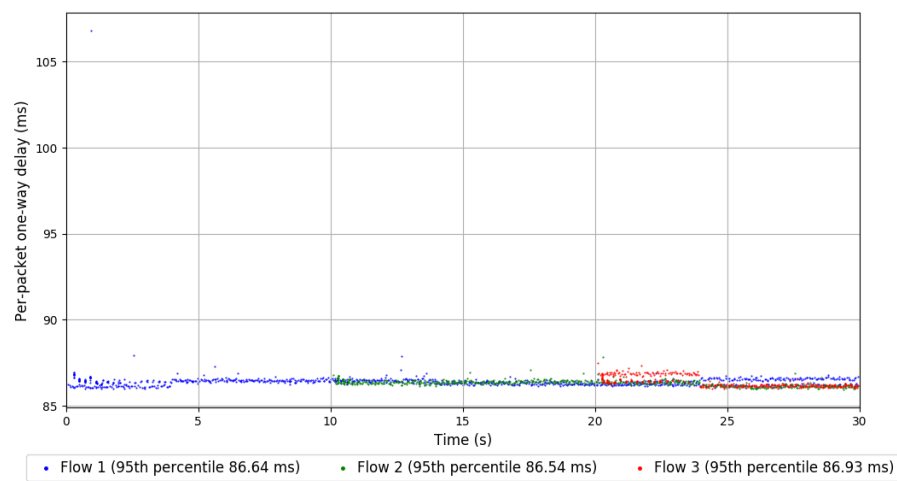
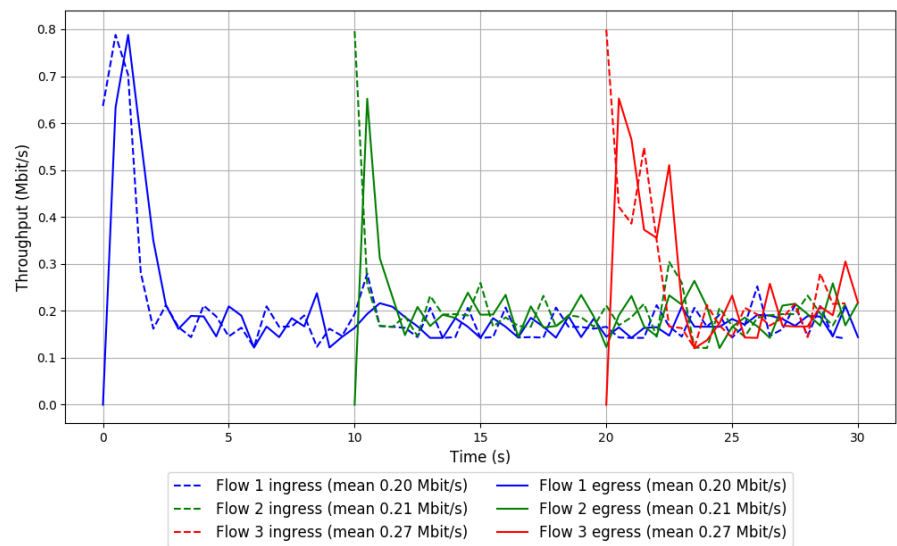


Run 9: Statistics of Sprout

Start at: 2018-05-30 15:54:25
End at: 2018-05-30 15:54:55
Local clock offset: -0.049 ms
Remote clock offset: -0.028 ms

```
# Below is generated by plot.py at 2018-05-30 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 86.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.932 ms
Loss rate: 0.00%
```


Run 9: Report of Sprout — Data Link

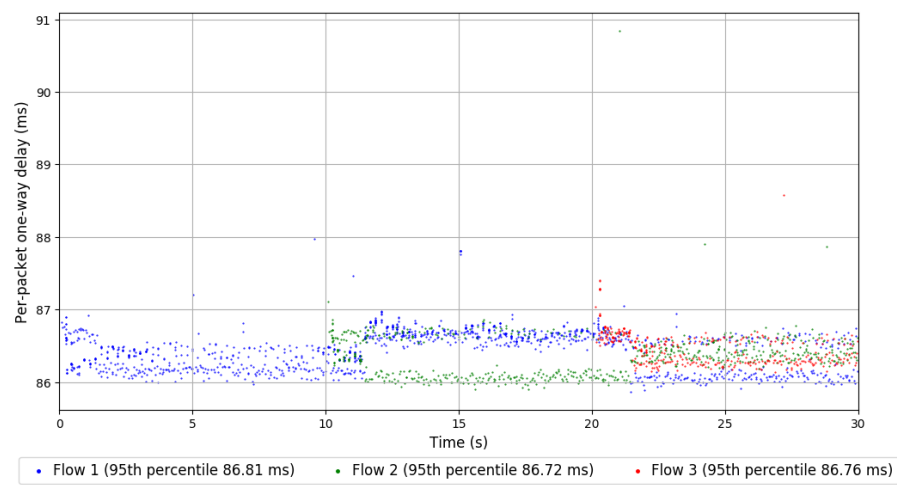
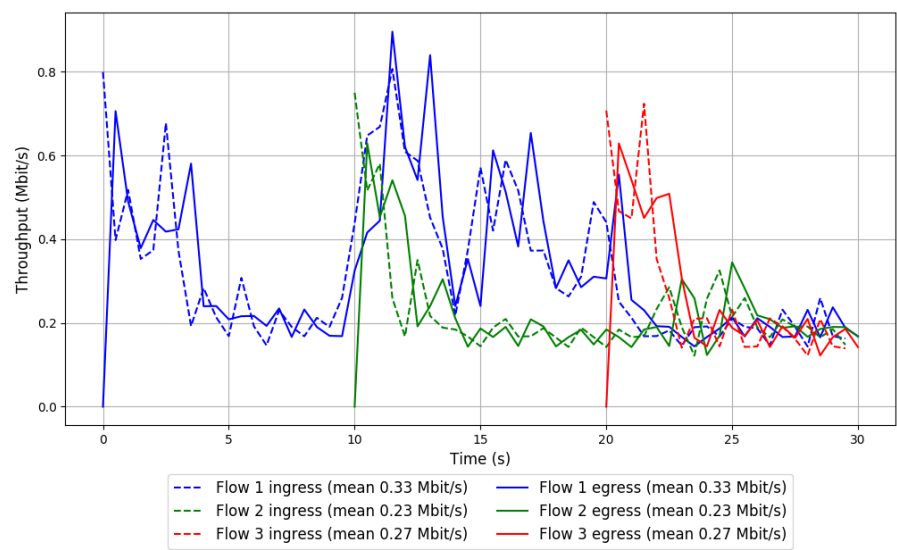


Run 10: Statistics of Sprout

Start at: 2018-05-30 16:18:17
End at: 2018-05-30 16:18:47
Local clock offset: -0.037 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-30 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 86.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.725 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.757 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

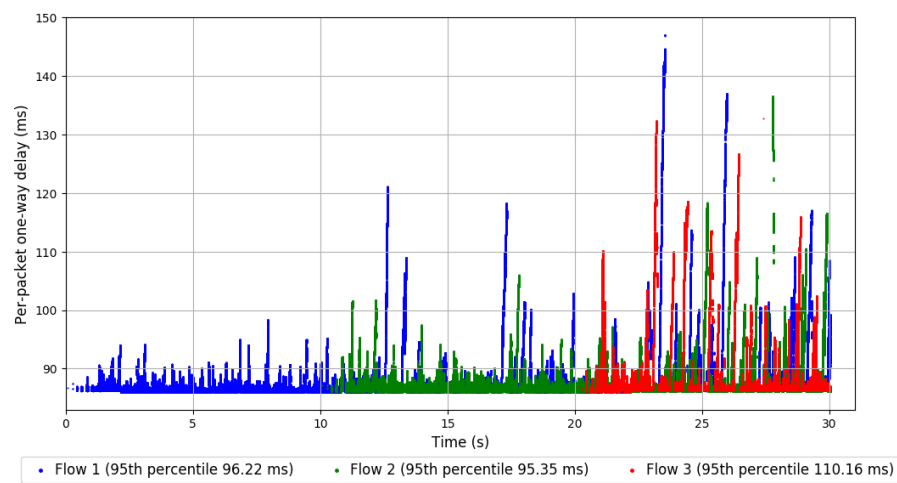
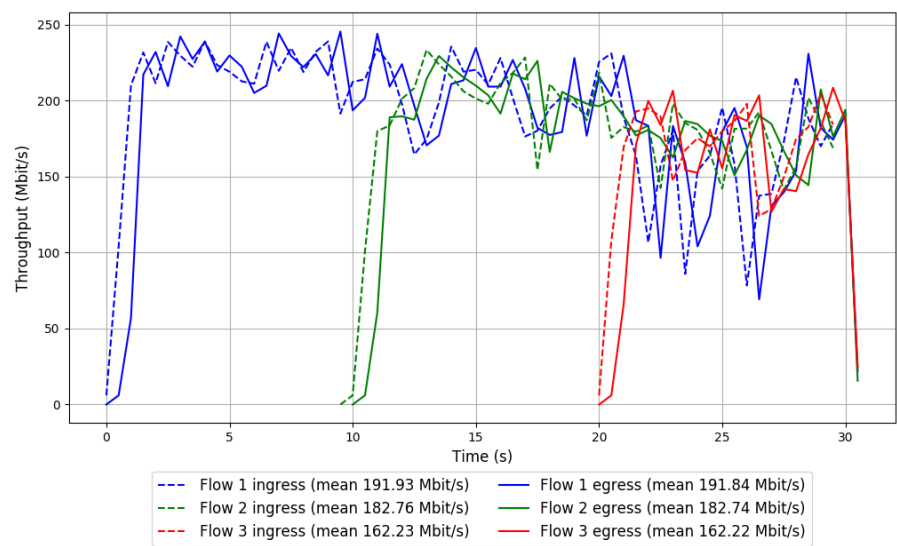


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-30 12:50:37
End at: 2018-05-30 12:51:07
Local clock offset: -0.227 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-30 18:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 367.53 Mbit/s
95th percentile per-packet one-way delay: 98.810 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 191.84 Mbit/s
95th percentile per-packet one-way delay: 96.219 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 182.74 Mbit/s
95th percentile per-packet one-way delay: 95.346 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 162.22 Mbit/s
95th percentile per-packet one-way delay: 110.163 ms
Loss rate: 0.01%
```

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

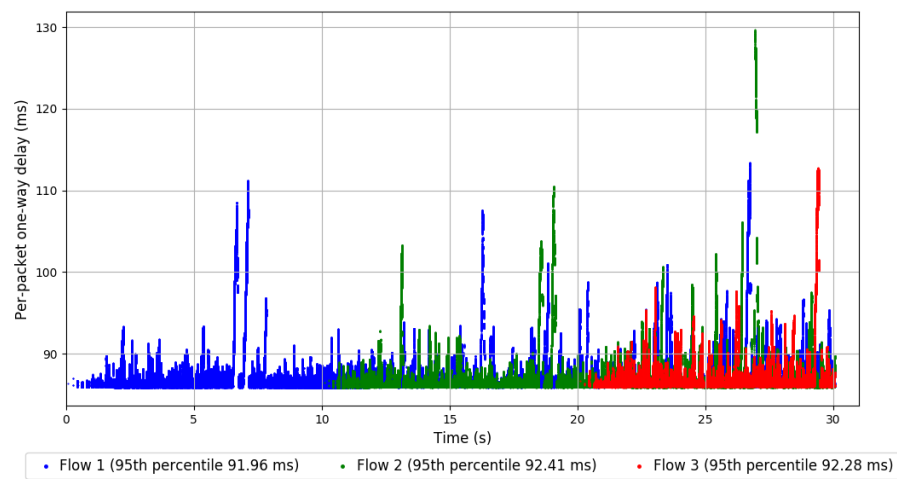
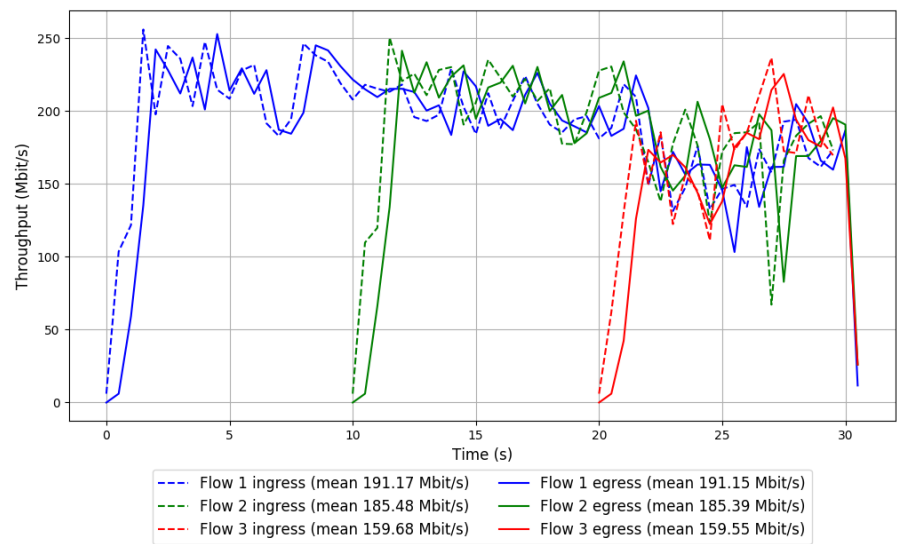


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-05-30 13:14:37
End at: 2018-05-30 13:15:07
Local clock offset: -0.037 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-05-30 18:23:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 367.65 Mbit/s
95th percentile per-packet one-way delay: 92.139 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 191.15 Mbit/s
95th percentile per-packet one-way delay: 91.958 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 185.39 Mbit/s
95th percentile per-packet one-way delay: 92.413 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 159.55 Mbit/s
95th percentile per-packet one-way delay: 92.277 ms
Loss rate: 0.07%
```

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

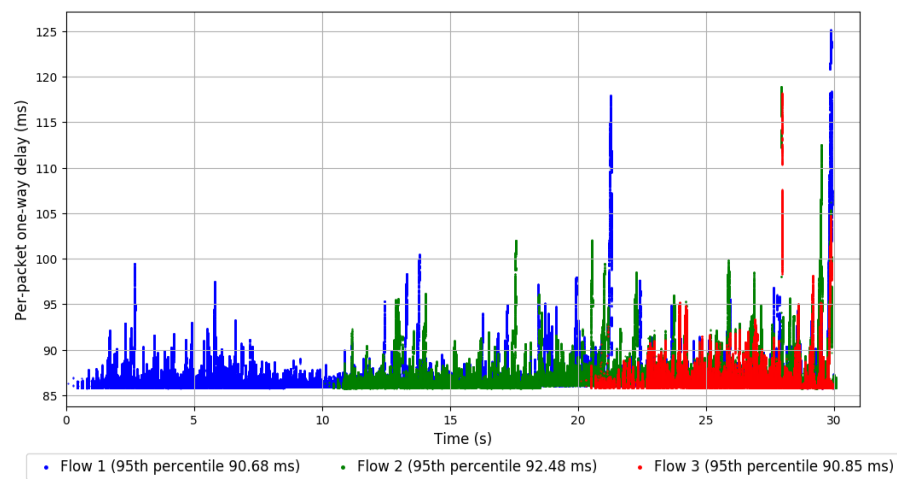
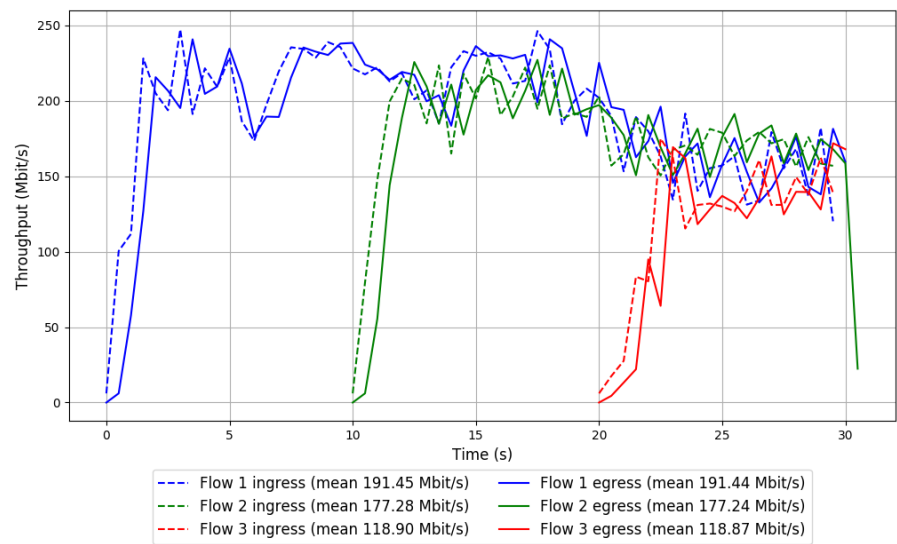


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-30 13:38:40
End at: 2018-05-30 13:39:10
Local clock offset: 0.106 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-30 18:23:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.89 Mbit/s
95th percentile per-packet one-way delay: 91.288 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.44 Mbit/s
95th percentile per-packet one-way delay: 90.684 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.24 Mbit/s
95th percentile per-packet one-way delay: 92.480 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 118.87 Mbit/s
95th percentile per-packet one-way delay: 90.847 ms
Loss rate: 0.04%

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

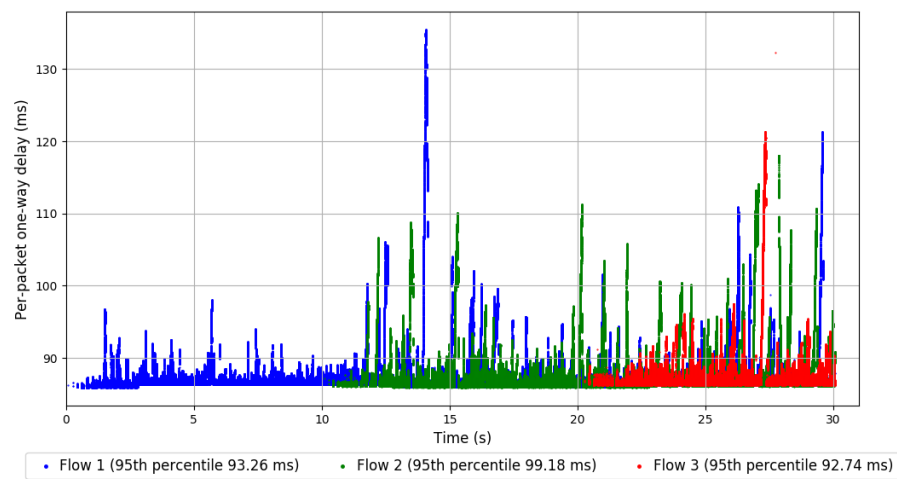
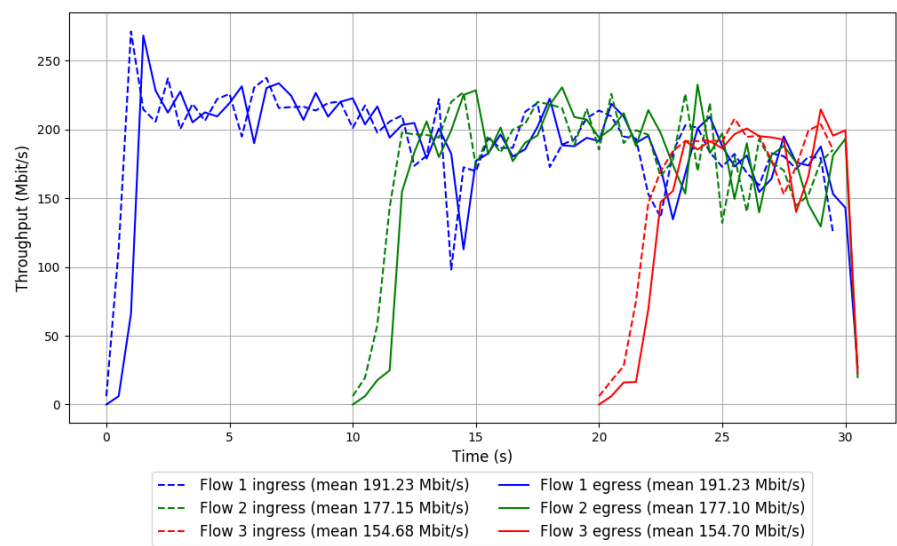


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-30 14:02:26
End at: 2018-05-30 14:02:56
Local clock offset: -0.055 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-30 18:24:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.60 Mbit/s
95th percentile per-packet one-way delay: 94.990 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.23 Mbit/s
95th percentile per-packet one-way delay: 93.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.10 Mbit/s
95th percentile per-packet one-way delay: 99.177 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 154.70 Mbit/s
95th percentile per-packet one-way delay: 92.744 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-30 14:26:04

End at: 2018-05-30 14:26:34

Local clock offset: -0.113 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-05-30 18:24:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.31 Mbit/s

95th percentile per-packet one-way delay: 91.082 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 189.06 Mbit/s

95th percentile per-packet one-way delay: 89.944 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 185.30 Mbit/s

95th percentile per-packet one-way delay: 92.138 ms

Loss rate: 0.01%

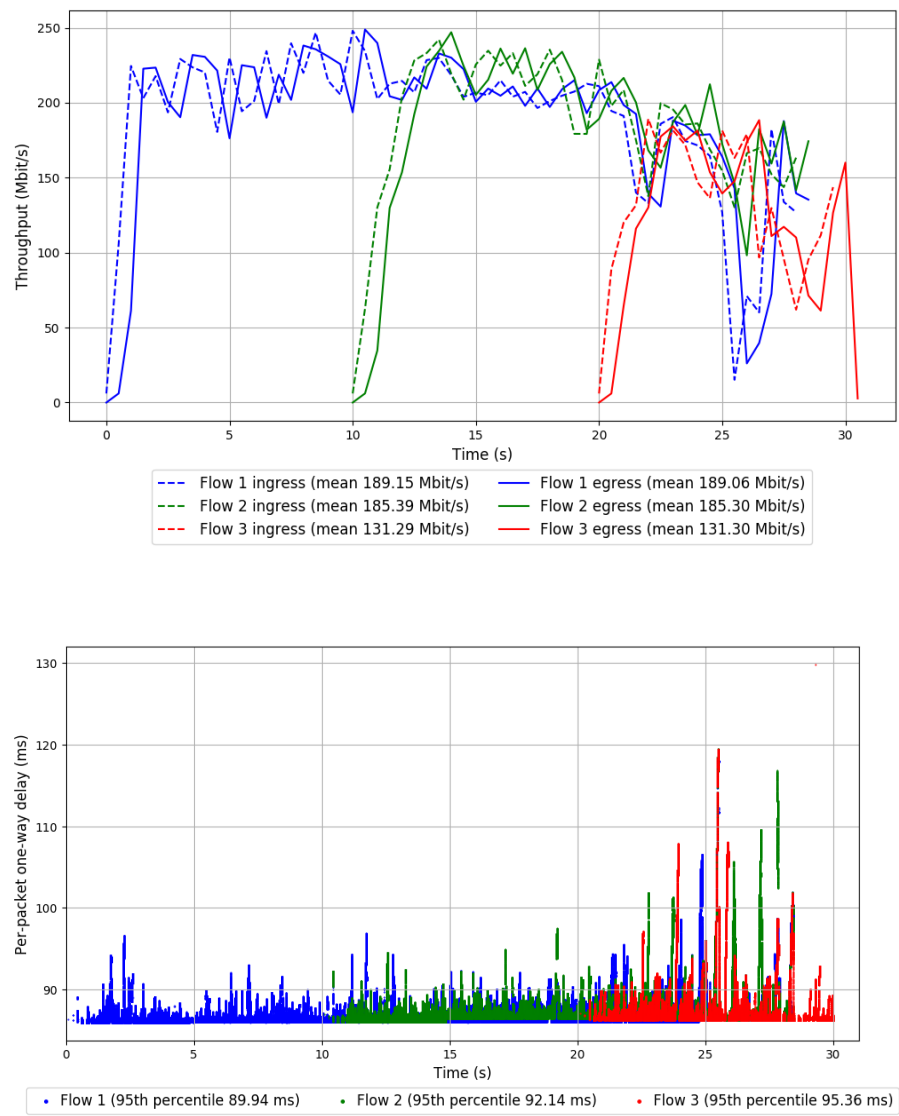
-- Flow 3:

Average throughput: 131.30 Mbit/s

95th percentile per-packet one-way delay: 95.357 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-30 14:50:06

End at: 2018-05-30 14:50:36

Local clock offset: -0.013 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-05-30 18:24:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.41 Mbit/s

95th percentile per-packet one-way delay: 89.997 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 189.96 Mbit/s

95th percentile per-packet one-way delay: 89.716 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 174.06 Mbit/s

95th percentile per-packet one-way delay: 90.029 ms

Loss rate: 0.03%

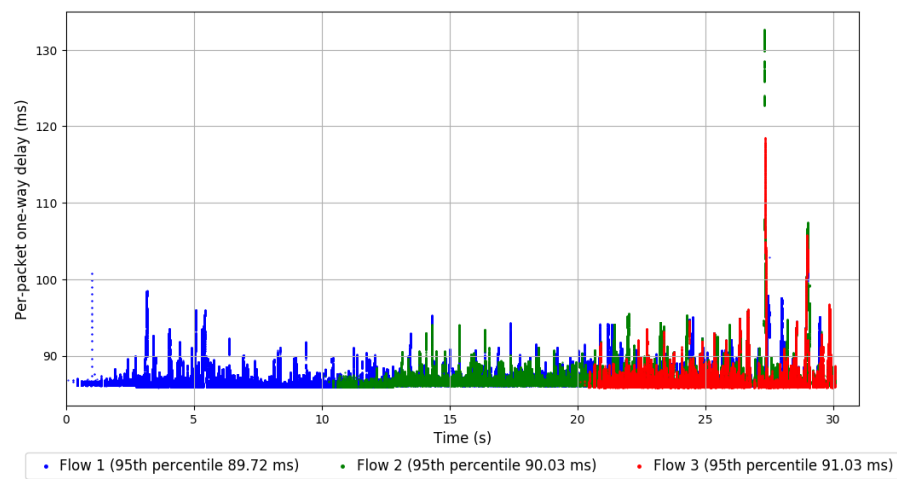
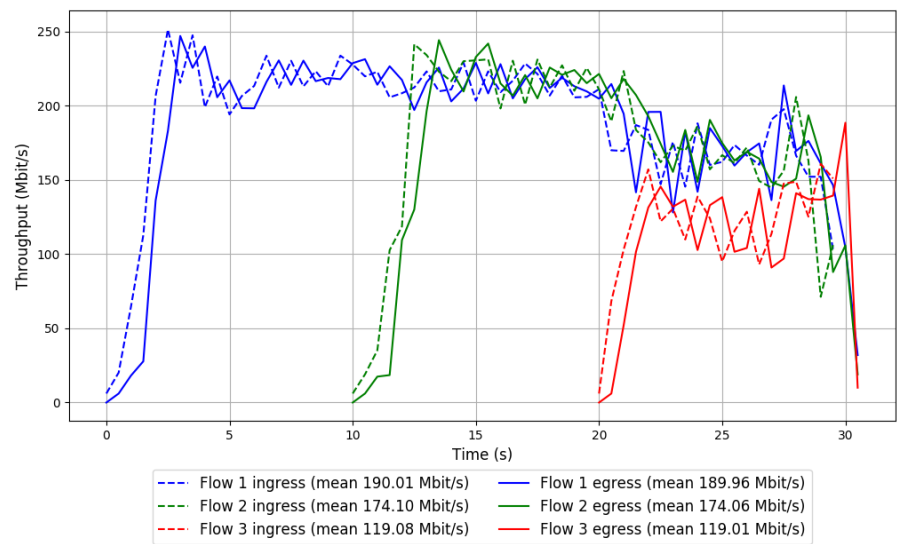
-- Flow 3:

Average throughput: 119.01 Mbit/s

95th percentile per-packet one-way delay: 91.027 ms

Loss rate: 0.05%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-30 15:13:52

End at: 2018-05-30 15:14:22

Local clock offset: 0.093 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-05-30 18:26:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.69 Mbit/s

95th percentile per-packet one-way delay: 90.179 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 199.14 Mbit/s

95th percentile per-packet one-way delay: 89.664 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 162.37 Mbit/s

95th percentile per-packet one-way delay: 90.764 ms

Loss rate: 0.03%

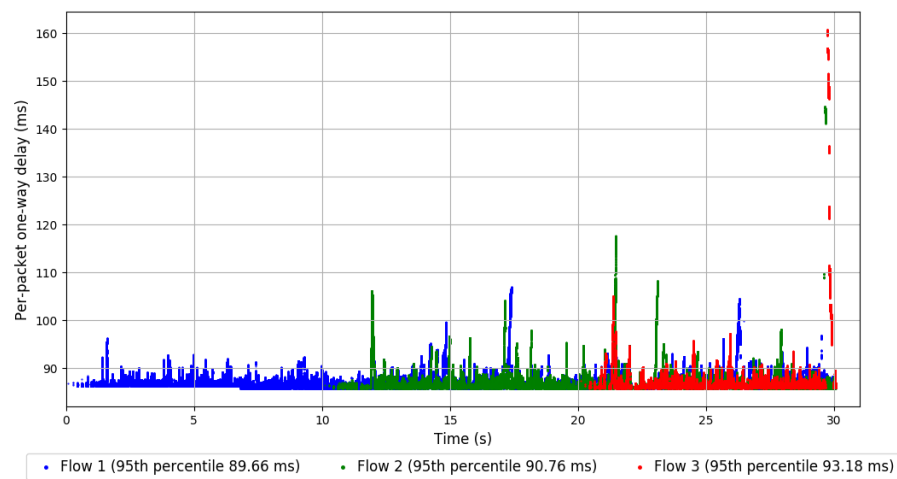
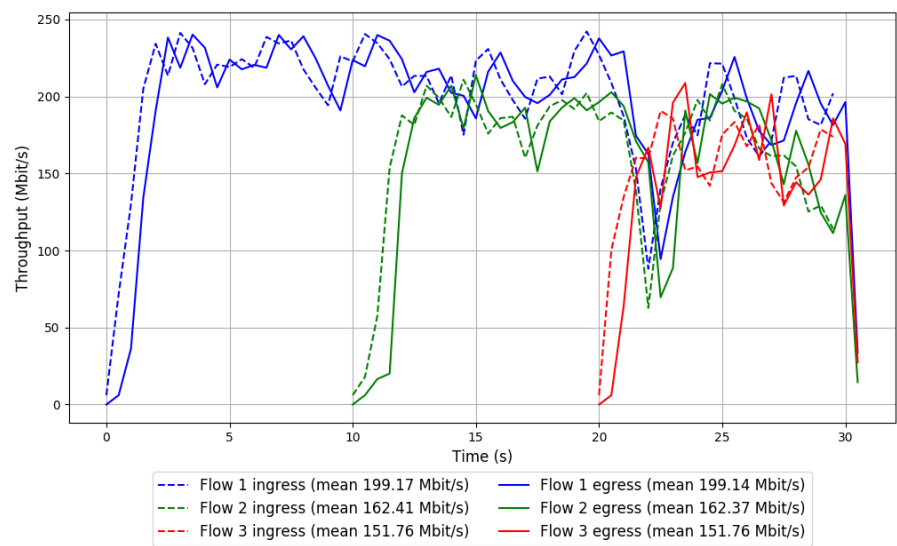
-- Flow 3:

Average throughput: 151.76 Mbit/s

95th percentile per-packet one-way delay: 93.178 ms

Loss rate: 0.01%

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

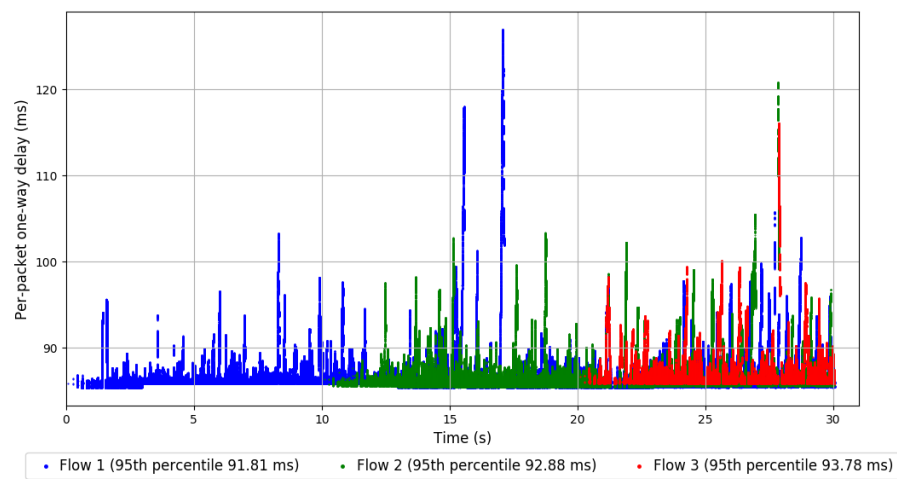
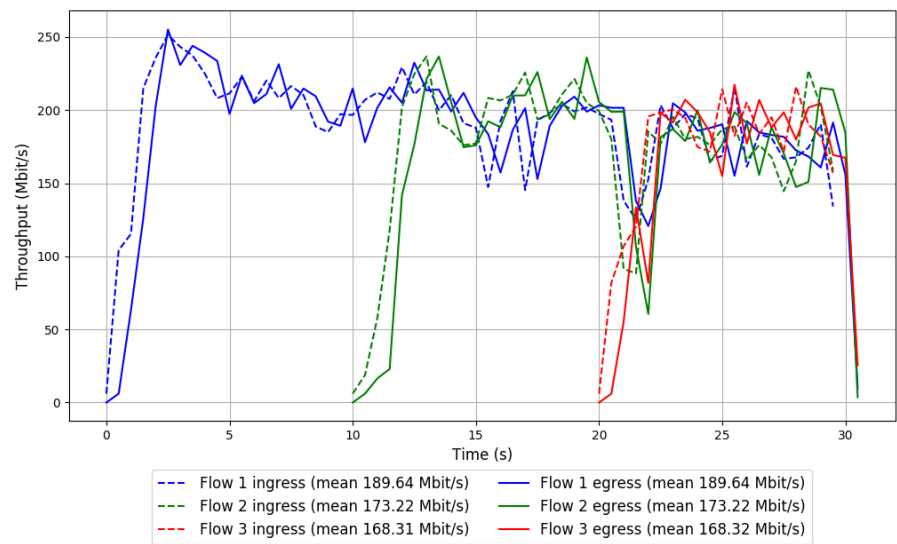


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-30 15:37:46
End at: 2018-05-30 15:38:16
Local clock offset: 0.354 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-30 18:27:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.74 Mbit/s
95th percentile per-packet one-way delay: 92.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.64 Mbit/s
95th percentile per-packet one-way delay: 91.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.22 Mbit/s
95th percentile per-packet one-way delay: 92.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.32 Mbit/s
95th percentile per-packet one-way delay: 93.784 ms
Loss rate: 0.00%

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

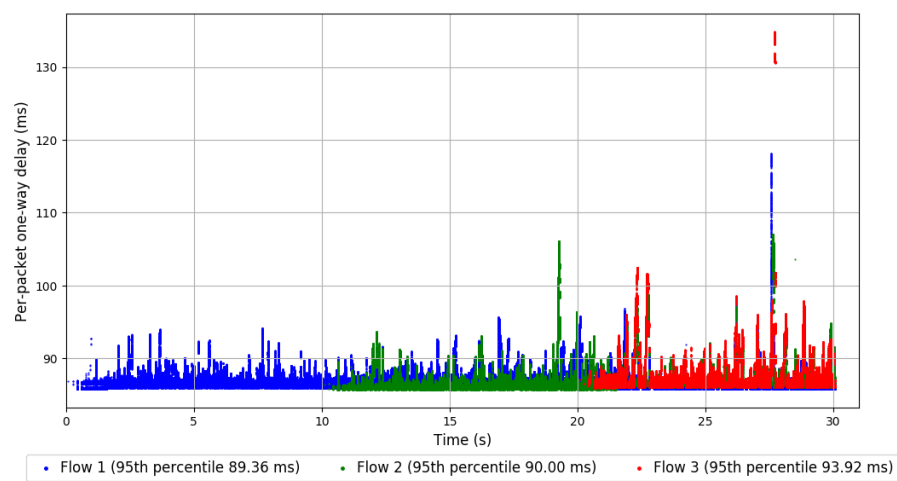
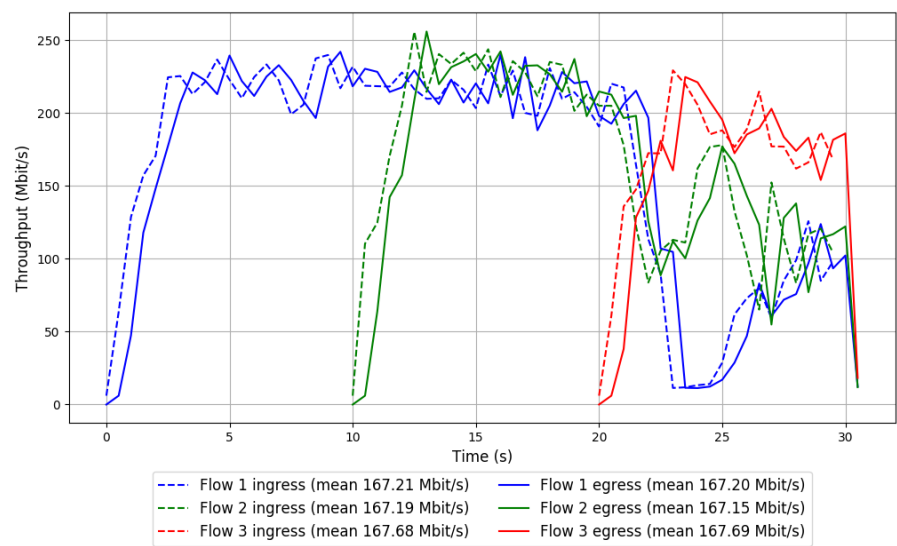


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-30 16:01:37
End at: 2018-05-30 16:02:07
Local clock offset: 0.066 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-30 18:34:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.19 Mbit/s
95th percentile per-packet one-way delay: 90.466 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 167.20 Mbit/s
95th percentile per-packet one-way delay: 89.356 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 167.15 Mbit/s
95th percentile per-packet one-way delay: 90.003 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 167.69 Mbit/s
95th percentile per-packet one-way delay: 93.915 ms
Loss rate: 0.00%

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

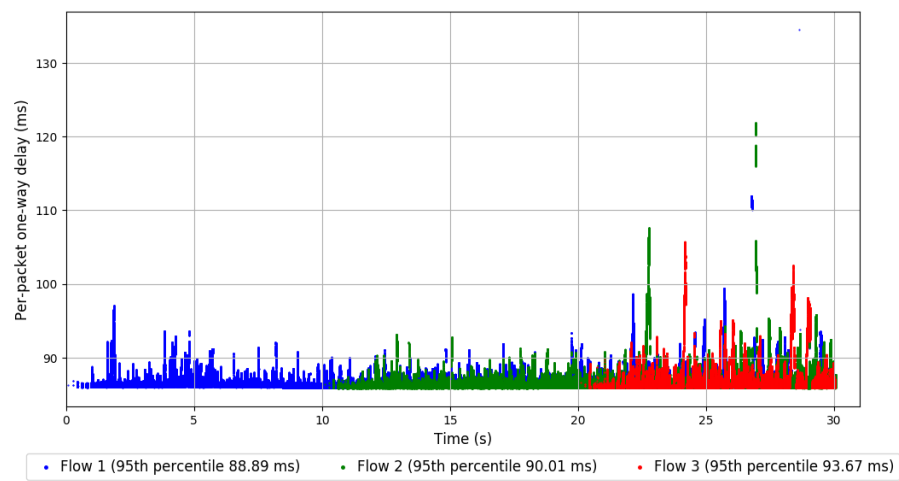
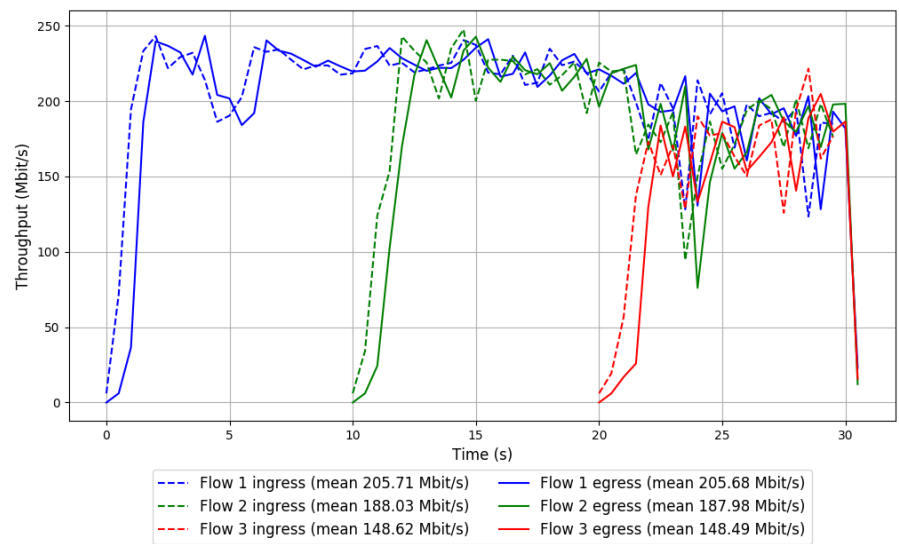


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-30 16:25:30
End at: 2018-05-30 16:26:00
Local clock offset: -0.048 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 380.00 Mbit/s
95th percentile per-packet one-way delay: 89.767 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 205.68 Mbit/s
95th percentile per-packet one-way delay: 88.892 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 187.98 Mbit/s
95th percentile per-packet one-way delay: 90.012 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 148.49 Mbit/s
95th percentile per-packet one-way delay: 93.675 ms
Loss rate: 0.09%

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

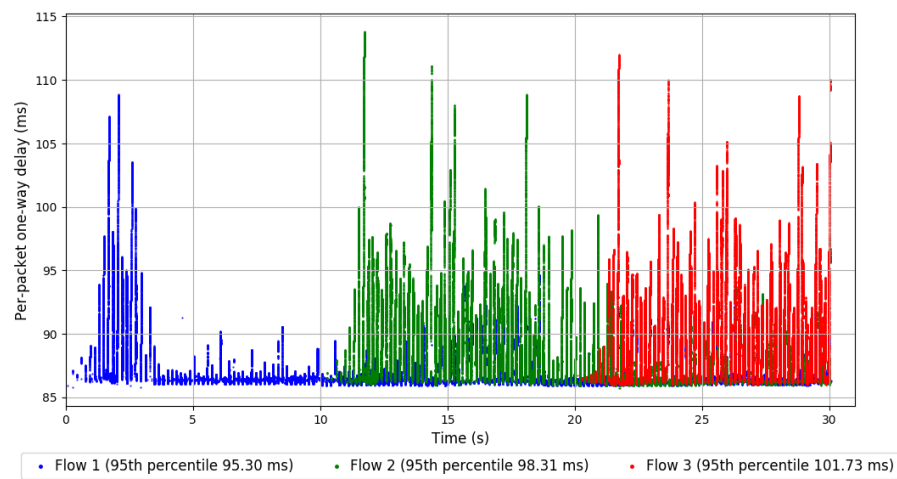
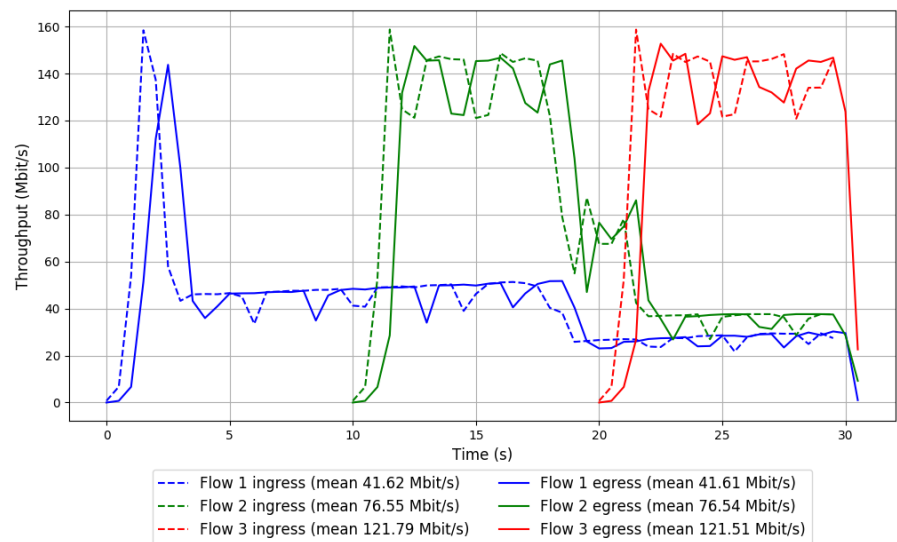


Run 1: Statistics of TCP Vegas

Start at: 2018-05-30 12:54:49
End at: 2018-05-30 12:55:19
Local clock offset: 0.357 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.76 Mbit/s
95th percentile per-packet one-way delay: 98.477 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 41.61 Mbit/s
95th percentile per-packet one-way delay: 95.304 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 98.309 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 121.51 Mbit/s
95th percentile per-packet one-way delay: 101.728 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

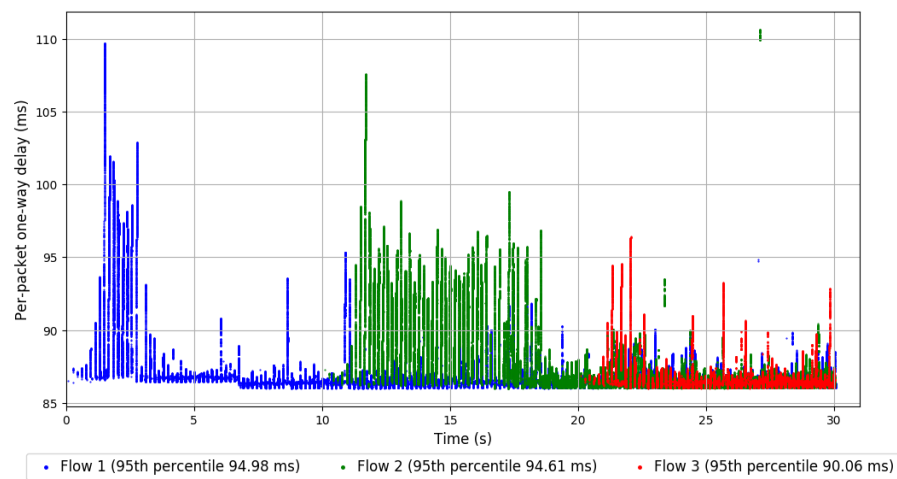
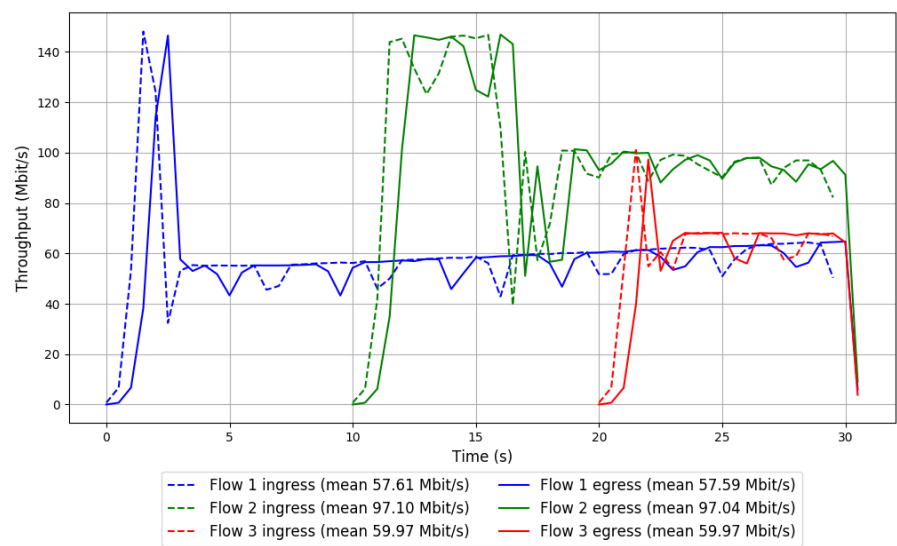


Run 2: Statistics of TCP Vegas

Start at: 2018-05-30 13:18:52
End at: 2018-05-30 13:19:22
Local clock offset: -0.169 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.07 Mbit/s
95th percentile per-packet one-way delay: 94.316 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 94.977 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 94.613 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 90.065 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

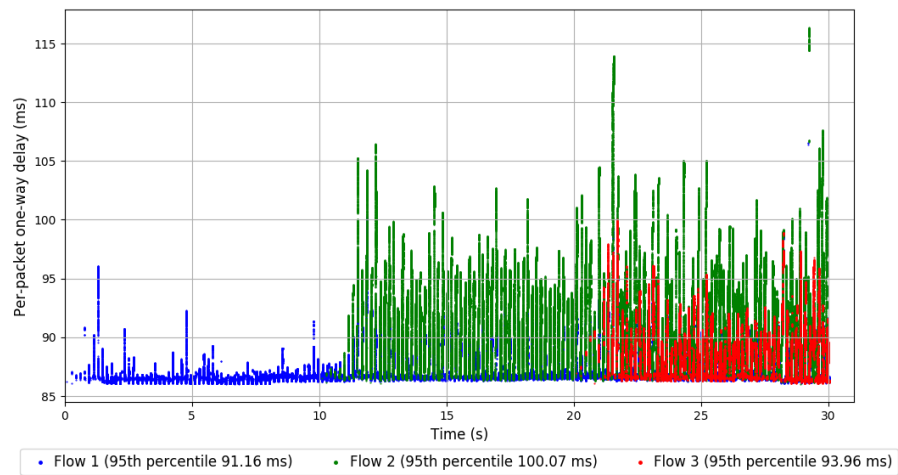
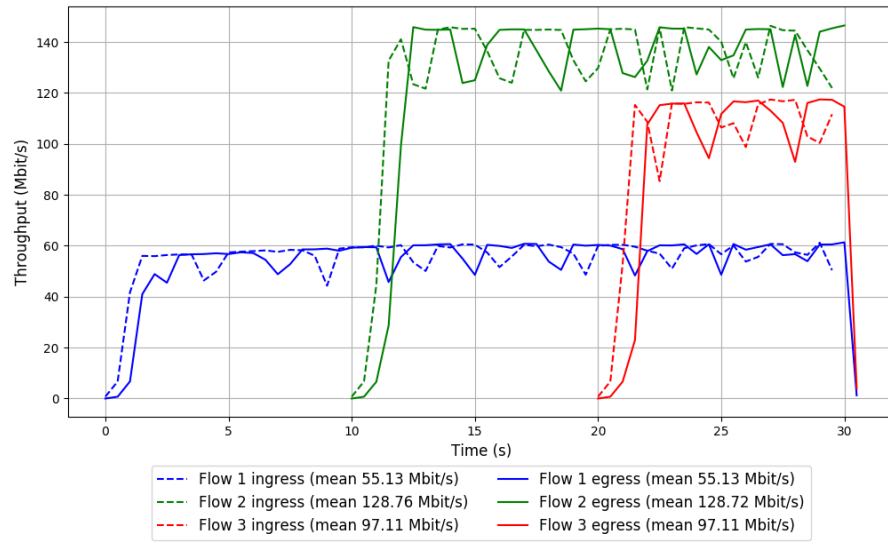


Run 3: Statistics of TCP Vegas

Start at: 2018-05-30 13:42:51
End at: 2018-05-30 13:43:21
Local clock offset: 0.058 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.76 Mbit/s
95th percentile per-packet one-way delay: 97.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.13 Mbit/s
95th percentile per-packet one-way delay: 91.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.72 Mbit/s
95th percentile per-packet one-way delay: 100.072 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 93.960 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

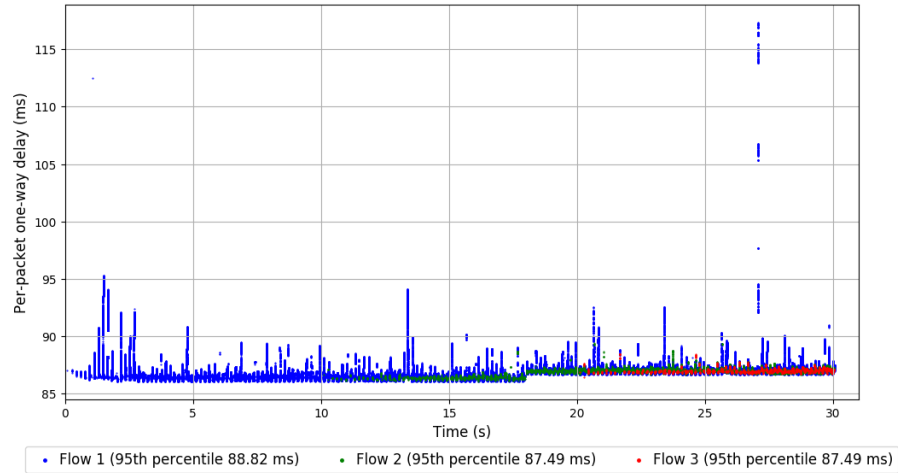
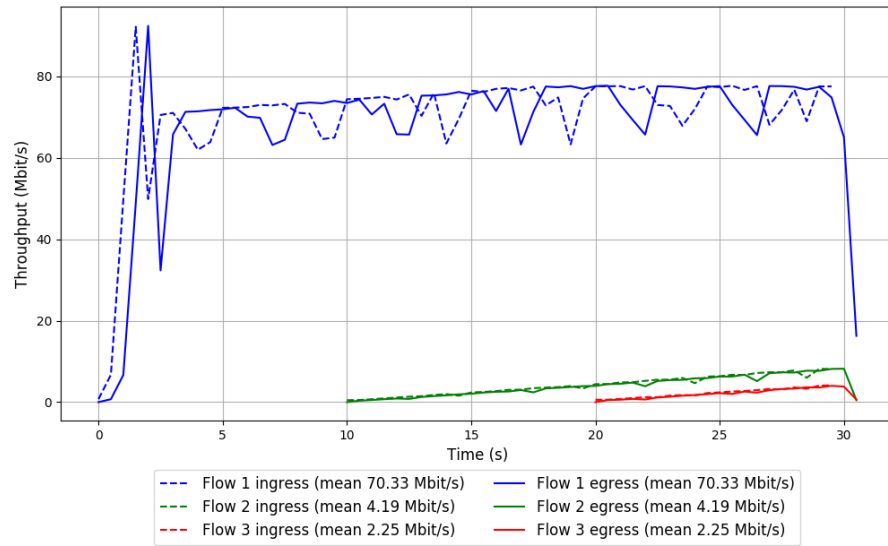


Run 4: Statistics of TCP Vegas

Start at: 2018-05-30 14:06:41
End at: 2018-05-30 14:07:11
Local clock offset: -0.206 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 88.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 88.818 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 87.488 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 87.486 ms
Loss rate: 0.16%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-30 14:30:15

End at: 2018-05-30 14:30:45

Local clock offset: -0.149 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-30 18:35:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.51 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.92 Mbit/s

95th percentile per-packet one-way delay: 88.757 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.62 Mbit/s

95th percentile per-packet one-way delay: 88.718 ms

Loss rate: 0.00%

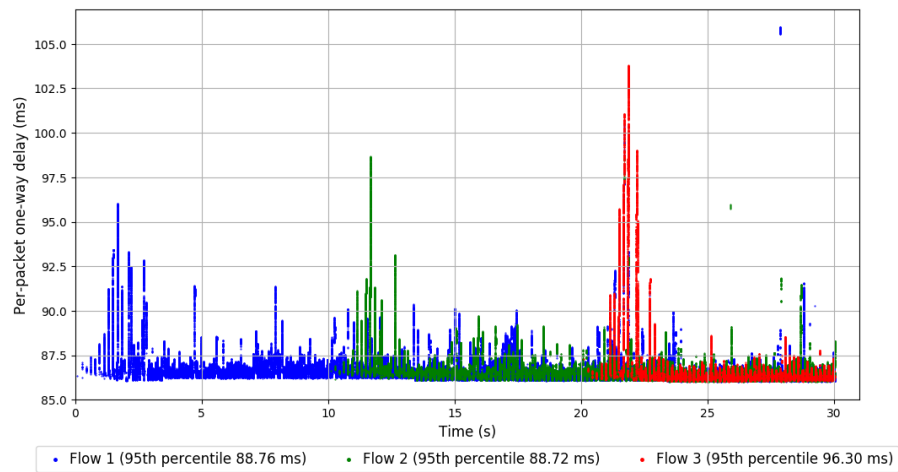
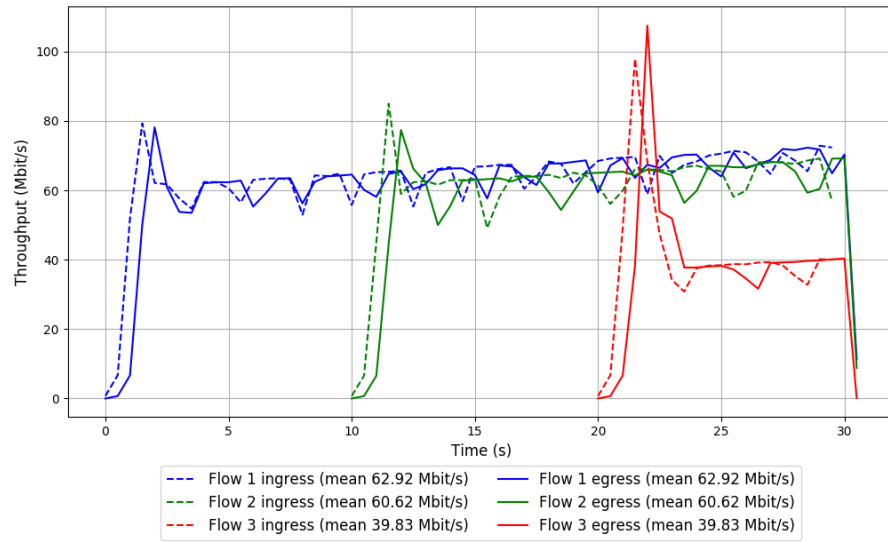
-- Flow 3:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 96.297 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-30 14:54:18

End at: 2018-05-30 14:54:48

Local clock offset: 0.261 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-30 18:35:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.52 Mbit/s

95th percentile per-packet one-way delay: 96.447 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.90 Mbit/s

95th percentile per-packet one-way delay: 91.534 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 120.62 Mbit/s

95th percentile per-packet one-way delay: 97.694 ms

Loss rate: 0.00%

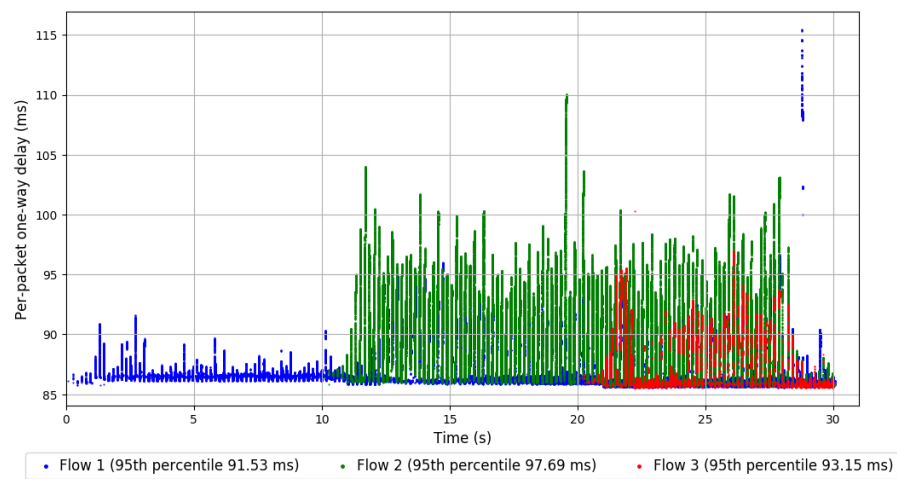
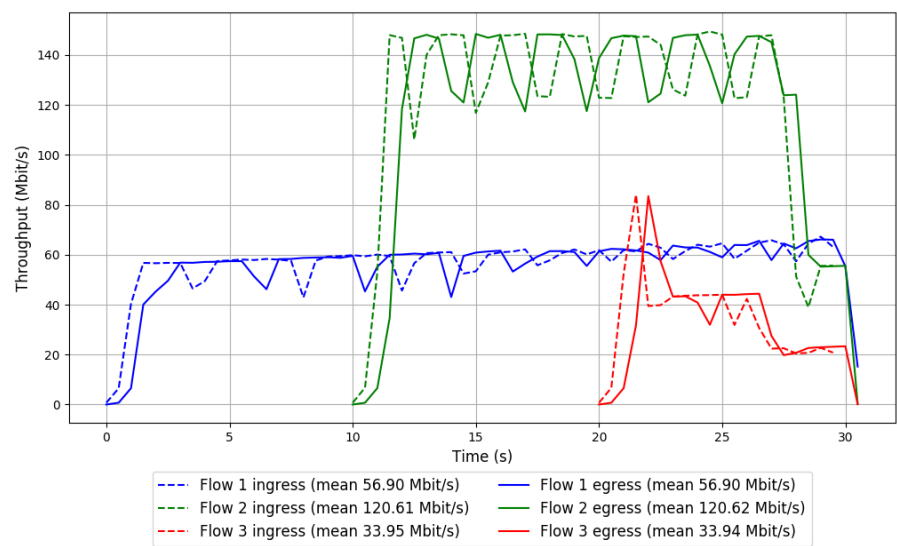
-- Flow 3:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 93.148 ms

Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

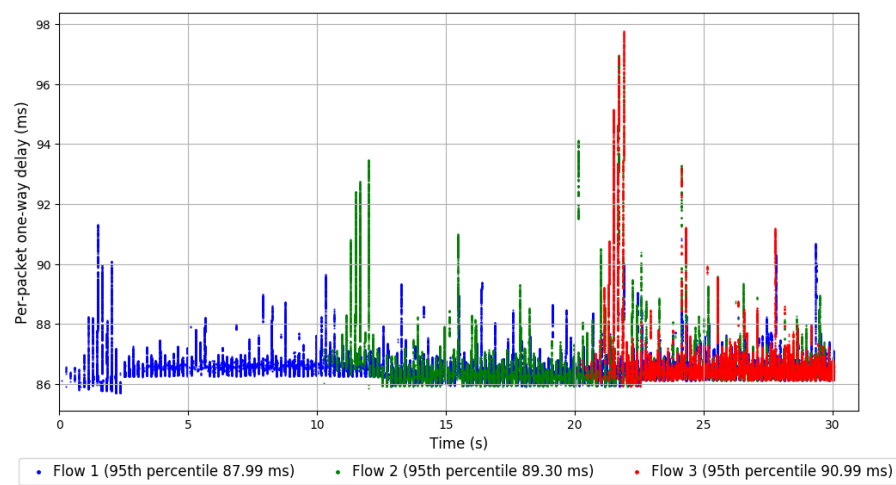
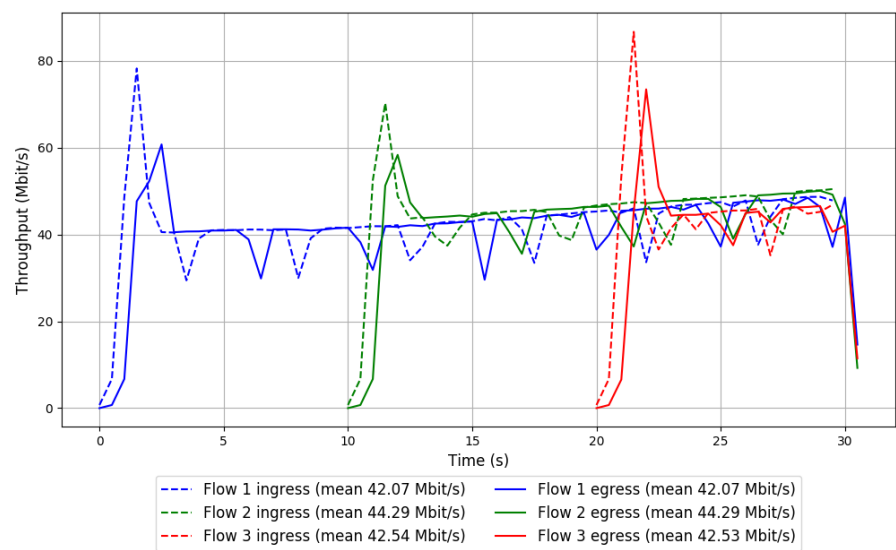


Run 7: Statistics of TCP Vegas

Start at: 2018-05-30 15:18:06
End at: 2018-05-30 15:18:36
Local clock offset: 0.082 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 88.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 87.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.29 Mbit/s
95th percentile per-packet one-way delay: 89.300 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.53 Mbit/s
95th percentile per-packet one-way delay: 90.988 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-30 15:42:01

End at: 2018-05-30 15:42:31

Local clock offset: 0.131 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-30 18:35:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.40 Mbit/s

95th percentile per-packet one-way delay: 88.294 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 109.43 Mbit/s

95th percentile per-packet one-way delay: 88.202 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 88.901 ms

Loss rate: 0.00%

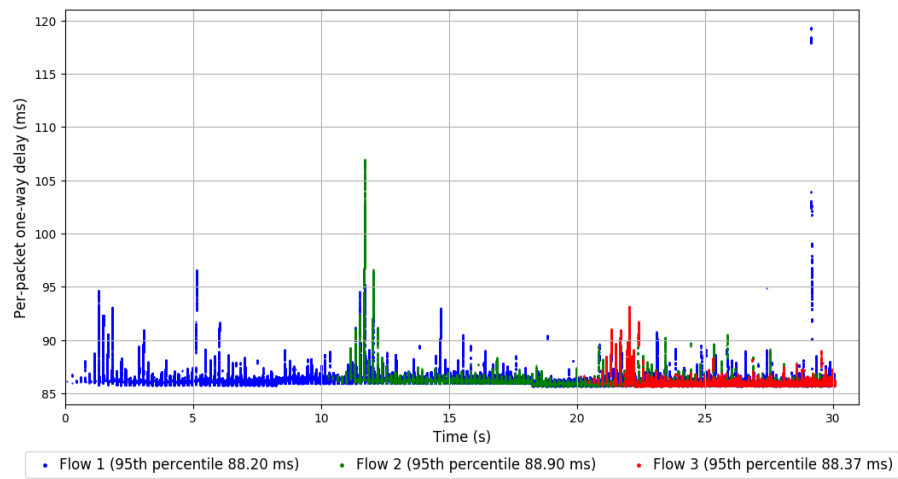
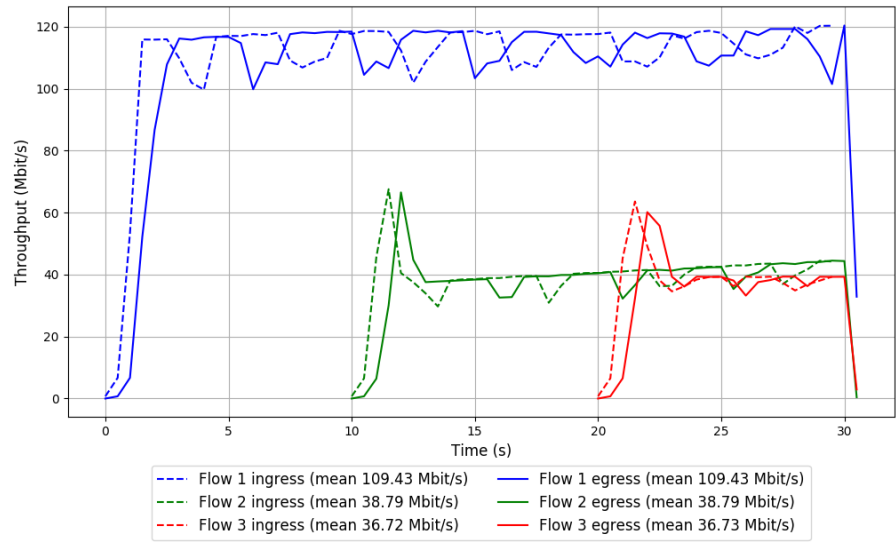
-- Flow 3:

Average throughput: 36.73 Mbit/s

95th percentile per-packet one-way delay: 88.370 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

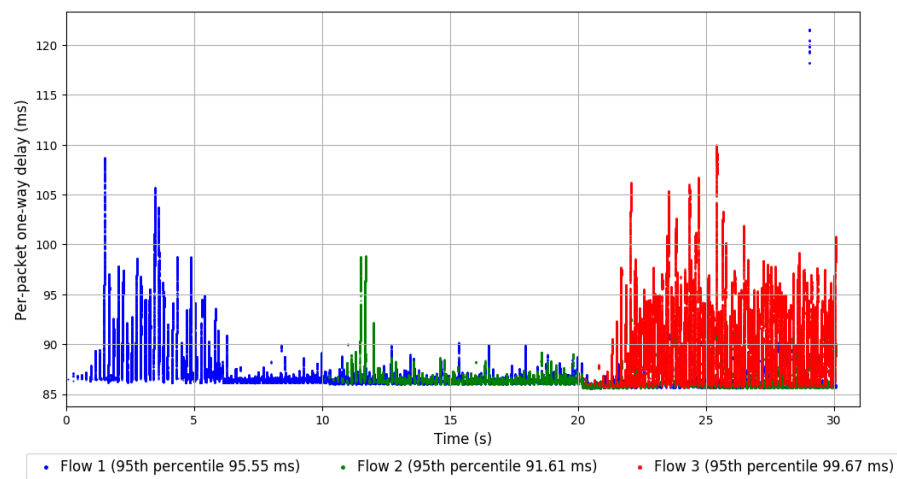
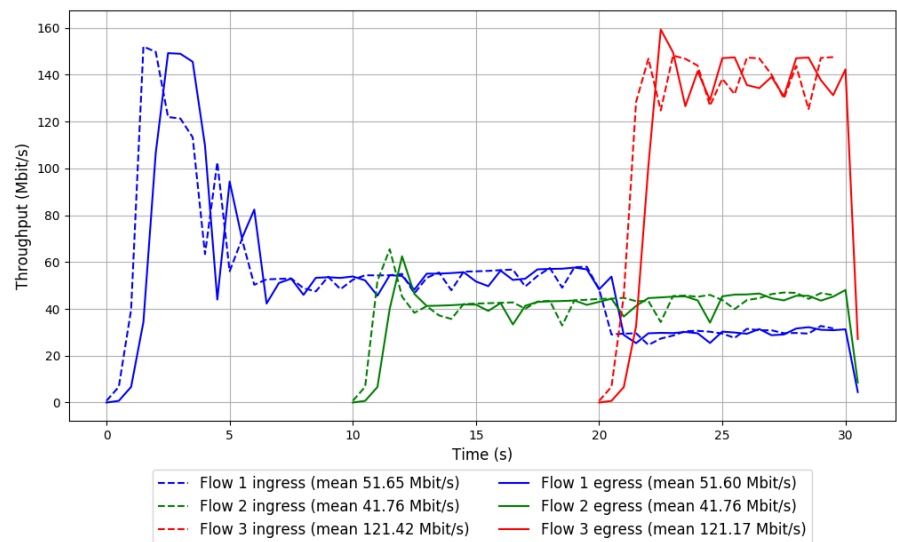


Run 9: Statistics of TCP Vegas

Start at: 2018-05-30 16:05:49
End at: 2018-05-30 16:06:19
Local clock offset: 0.232 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.66 Mbit/s
95th percentile per-packet one-way delay: 96.882 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.60 Mbit/s
95th percentile per-packet one-way delay: 95.549 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 91.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.17 Mbit/s
95th percentile per-packet one-way delay: 99.667 ms
Loss rate: 0.11%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-30 16:29:47

End at: 2018-05-30 16:30:17

Local clock offset: 0.097 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-30 18:35:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 129.12 Mbit/s

95th percentile per-packet one-way delay: 89.773 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.47 Mbit/s

95th percentile per-packet one-way delay: 88.664 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 81.79 Mbit/s

95th percentile per-packet one-way delay: 89.749 ms

Loss rate: 0.01%

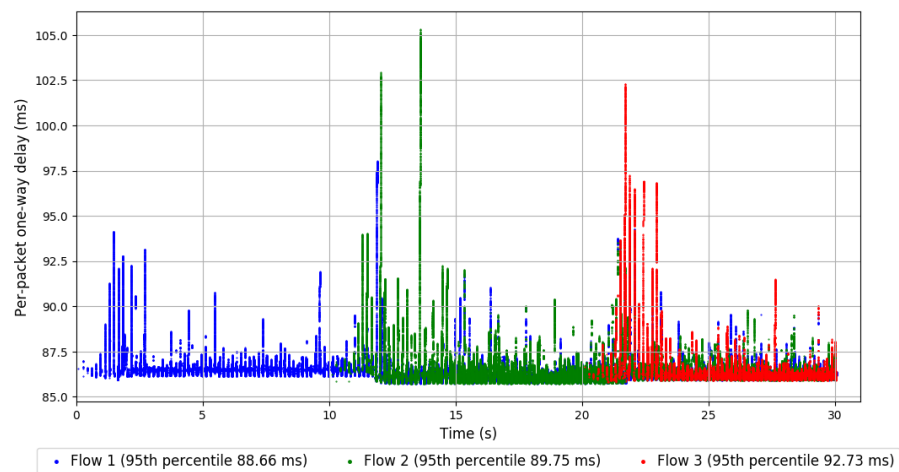
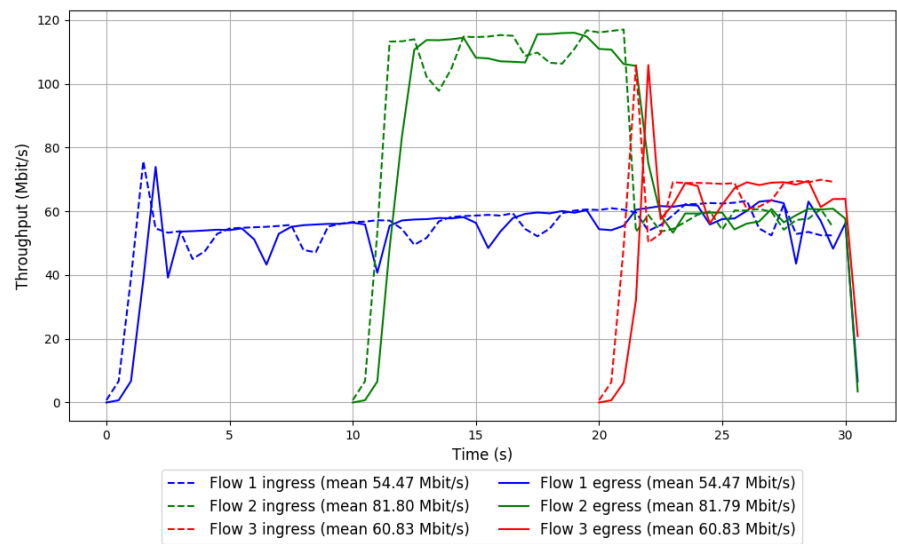
-- Flow 3:

Average throughput: 60.83 Mbit/s

95th percentile per-packet one-way delay: 92.733 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

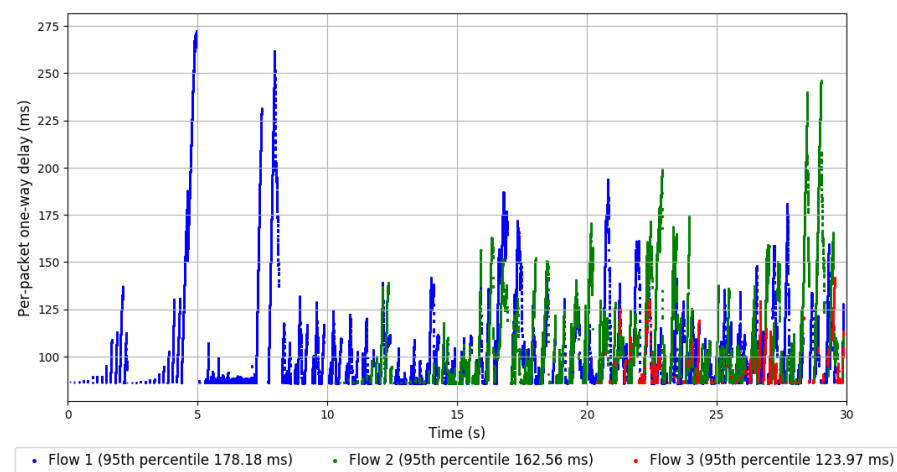
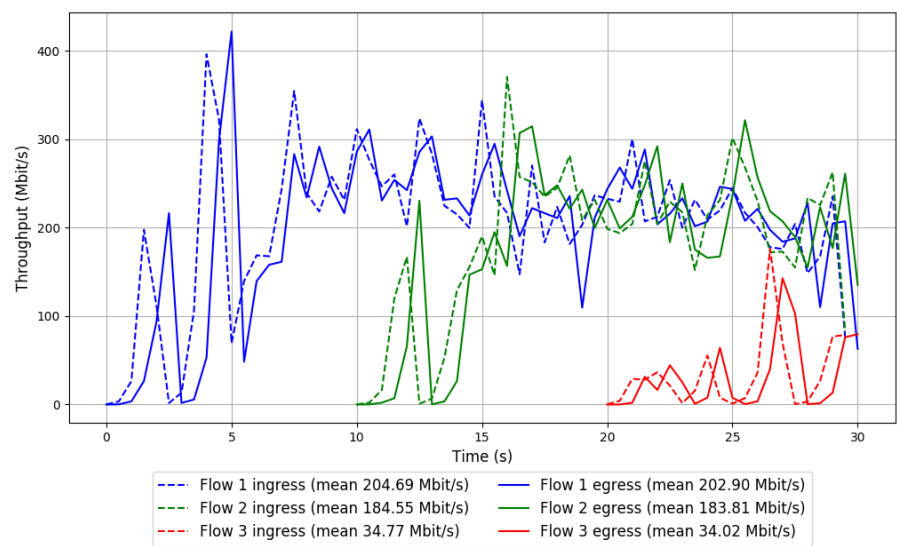


Run 1: Statistics of Verus

Start at: 2018-05-30 12:33:30
End at: 2018-05-30 12:34:00
Local clock offset: 0.027 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.90 Mbit/s
95th percentile per-packet one-way delay: 170.622 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 202.90 Mbit/s
95th percentile per-packet one-way delay: 178.178 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 183.81 Mbit/s
95th percentile per-packet one-way delay: 162.562 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 123.967 ms
Loss rate: 2.26%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-30 12:57:28

End at: 2018-05-30 12:57:58

Local clock offset: 0.293 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-30 18:35:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.33 Mbit/s

95th percentile per-packet one-way delay: 237.257 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 198.34 Mbit/s

95th percentile per-packet one-way delay: 170.631 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 195.10 Mbit/s

95th percentile per-packet one-way delay: 265.299 ms

Loss rate: 2.53%

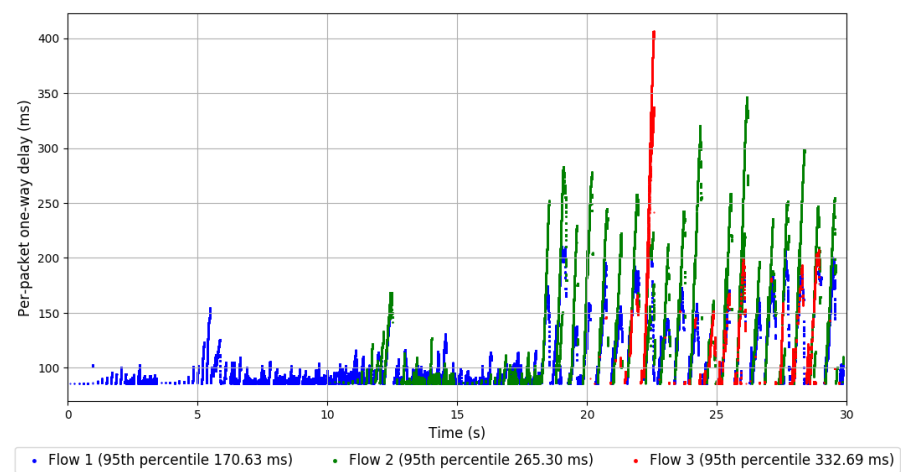
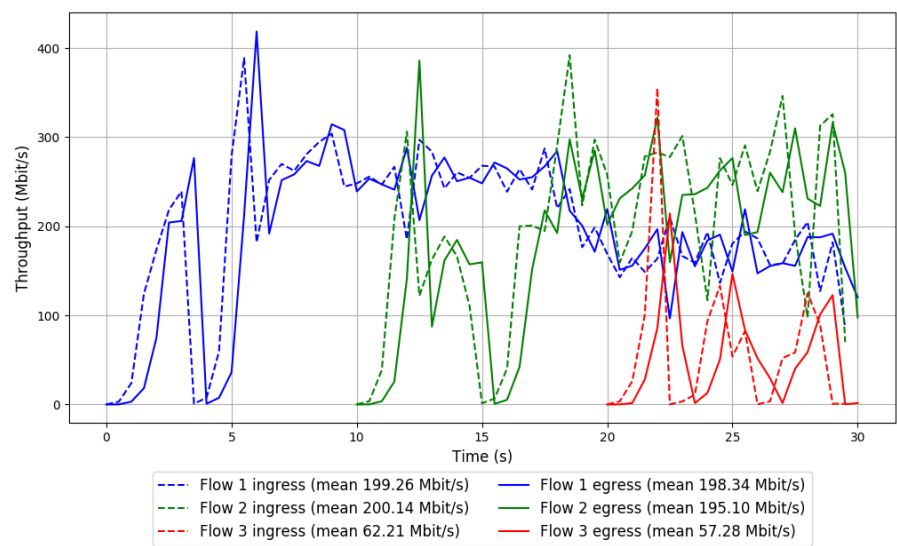
-- Flow 3:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 332.687 ms

Loss rate: 7.95%

Run 2: Report of Verus — Data Link

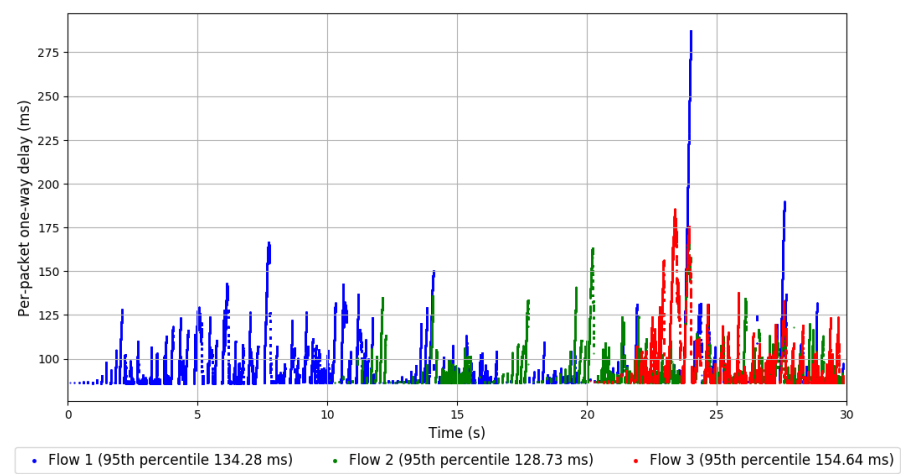
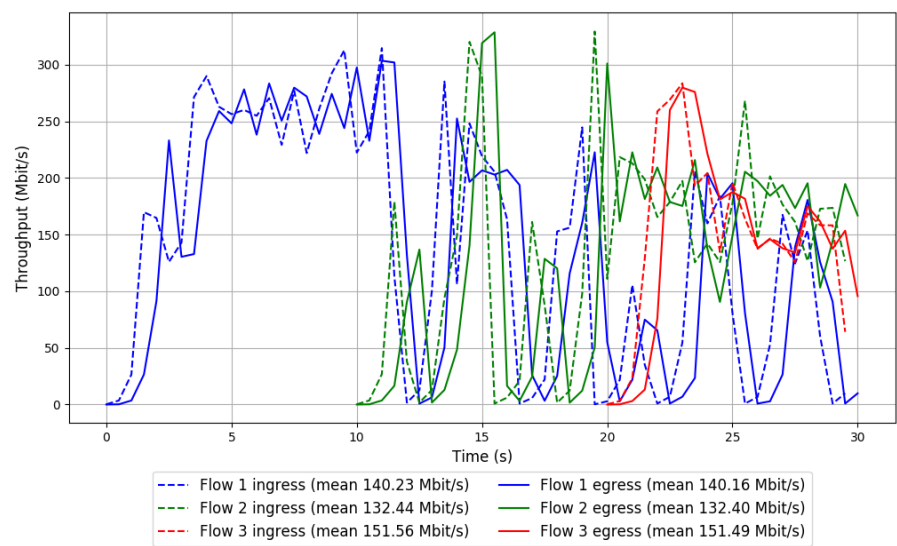


Run 3: Statistics of Verus

Start at: 2018-05-30 13:21:31
End at: 2018-05-30 13:22:01
Local clock offset: -0.016 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.65 Mbit/s
95th percentile per-packet one-way delay: 134.838 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 140.16 Mbit/s
95th percentile per-packet one-way delay: 134.277 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 132.40 Mbit/s
95th percentile per-packet one-way delay: 128.730 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 151.49 Mbit/s
95th percentile per-packet one-way delay: 154.644 ms
Loss rate: 0.04%

Run 3: Report of Verus — Data Link

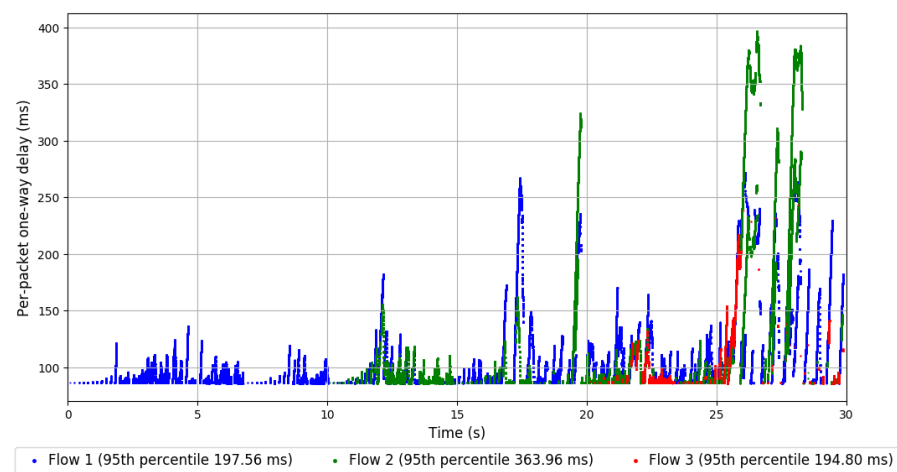
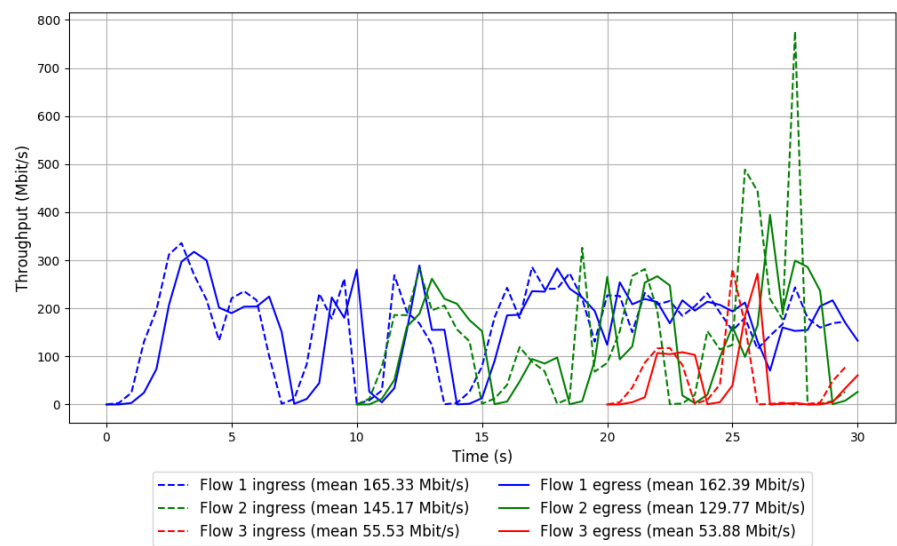


Run 4: Statistics of Verus

Start at: 2018-05-30 13:45:33
End at: 2018-05-30 13:46:03
Local clock offset: 0.121 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-30 18:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.03 Mbit/s
95th percentile per-packet one-way delay: 269.290 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 162.39 Mbit/s
95th percentile per-packet one-way delay: 197.565 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 129.77 Mbit/s
95th percentile per-packet one-way delay: 363.962 ms
Loss rate: 10.34%
-- Flow 3:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 194.801 ms
Loss rate: 2.97%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-30 14:09:17

End at: 2018-05-30 14:09:47

Local clock offset: 0.086 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-05-30 18:35:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.33 Mbit/s

95th percentile per-packet one-way delay: 240.437 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 155.35 Mbit/s

95th percentile per-packet one-way delay: 269.667 ms

Loss rate: 2.98%

-- Flow 2:

Average throughput: 130.82 Mbit/s

95th percentile per-packet one-way delay: 181.026 ms

Loss rate: 1.06%

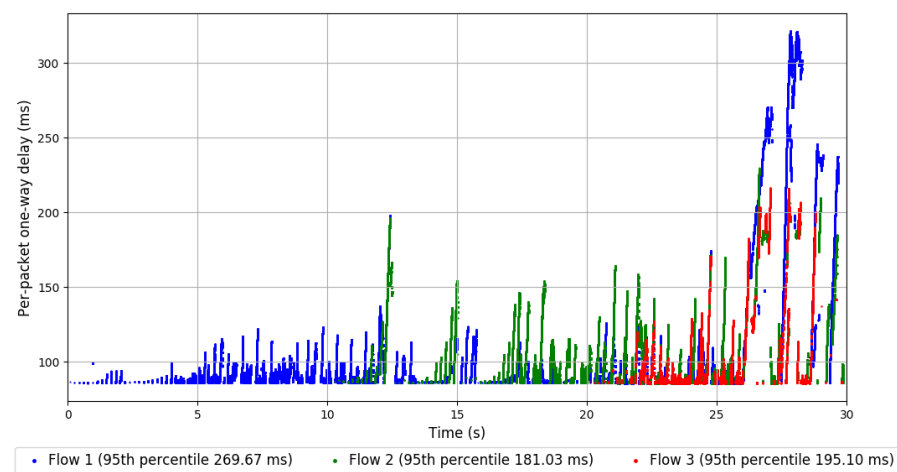
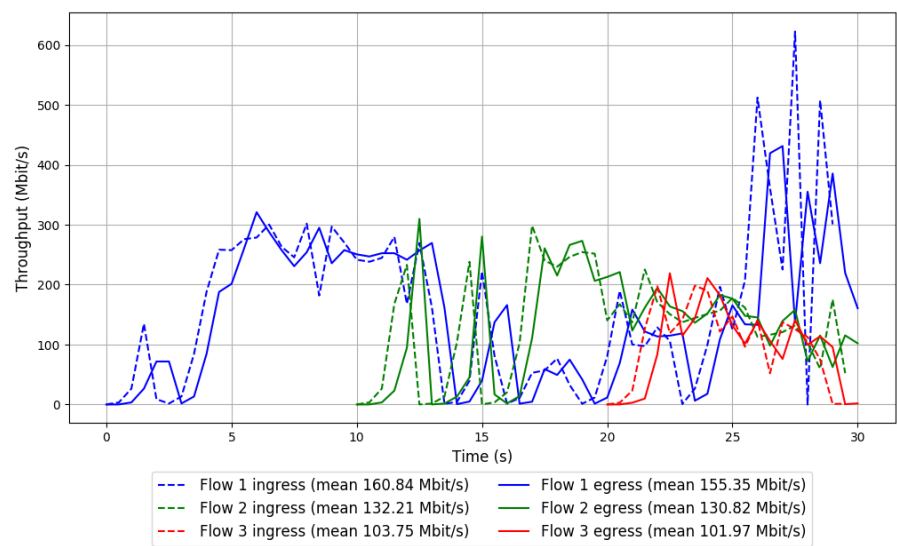
-- Flow 3:

Average throughput: 101.97 Mbit/s

95th percentile per-packet one-way delay: 195.098 ms

Loss rate: 1.72%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-30 14:32:55

End at: 2018-05-30 14:33:25

Local clock offset: 0.132 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-05-30 18:35:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.84 Mbit/s

95th percentile per-packet one-way delay: 225.852 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 202.78 Mbit/s

95th percentile per-packet one-way delay: 248.593 ms

Loss rate: 2.97%

-- Flow 2:

Average throughput: 115.11 Mbit/s

95th percentile per-packet one-way delay: 194.091 ms

Loss rate: 0.48%

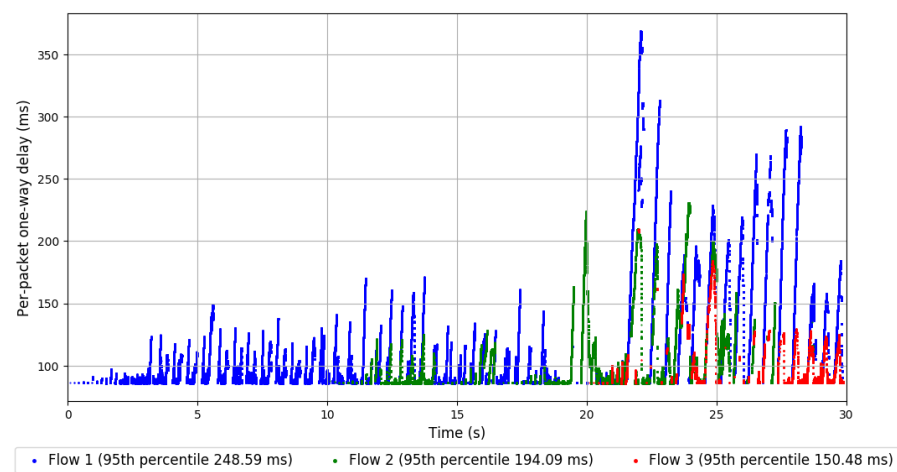
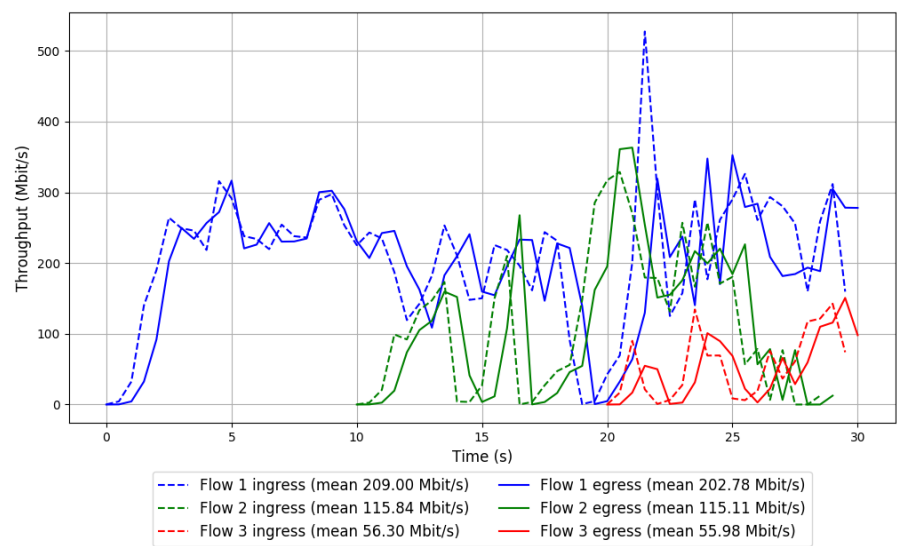
-- Flow 3:

Average throughput: 55.98 Mbit/s

95th percentile per-packet one-way delay: 150.478 ms

Loss rate: 0.62%

Run 6: Report of Verus — Data Link

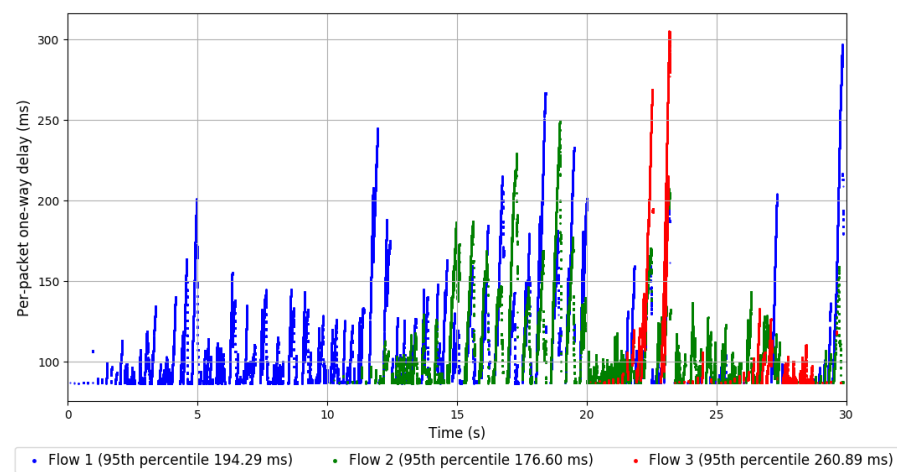
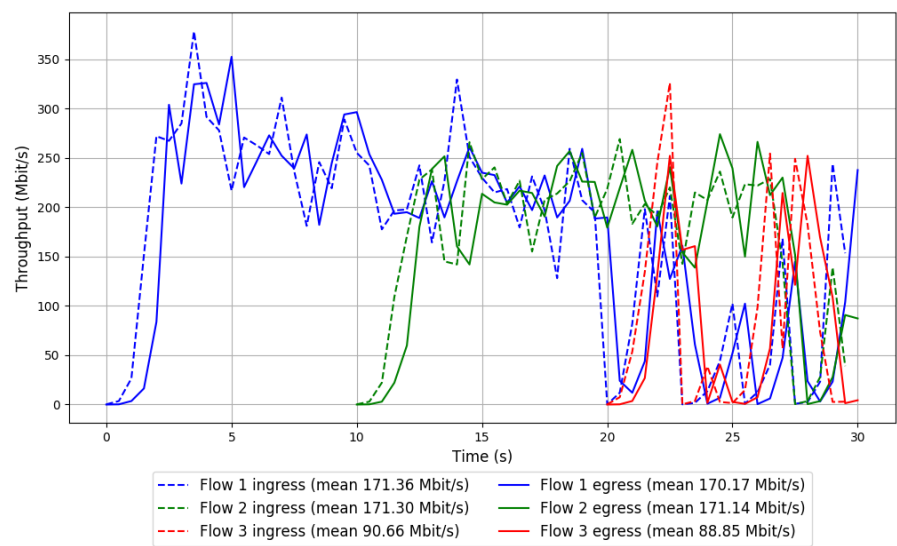


Run 7: Statistics of Verus

Start at: 2018-05-30 14:57:00
End at: 2018-05-30 14:57:30
Local clock offset: -0.176 ms
Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-05-30 18:38:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.57 Mbit/s
95th percentile per-packet one-way delay: 194.063 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 170.17 Mbit/s
95th percentile per-packet one-way delay: 194.293 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 171.14 Mbit/s
95th percentile per-packet one-way delay: 176.601 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 260.895 ms
Loss rate: 2.00%

Run 7: Report of Verus — Data Link

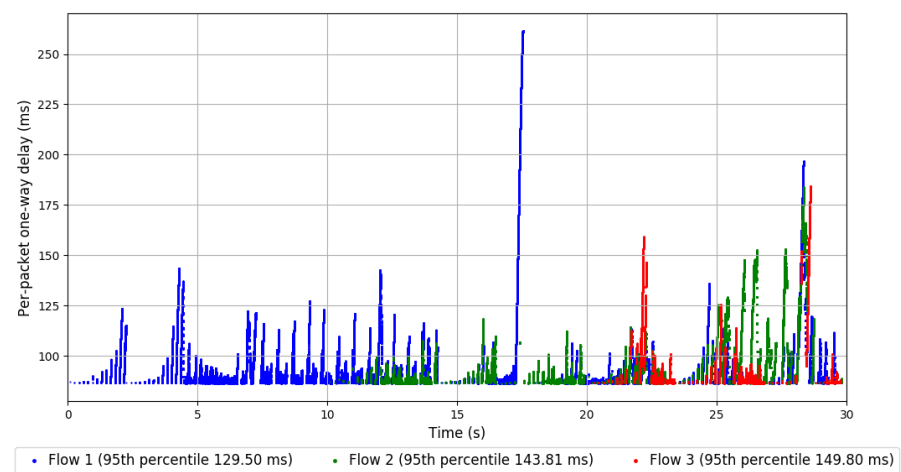
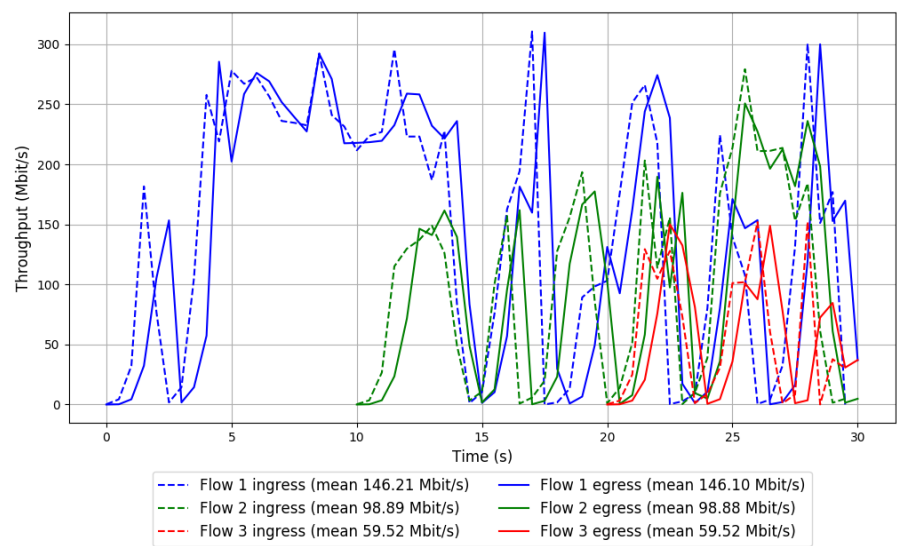


Run 8: Statistics of Verus

Start at: 2018-05-30 15:20:43
End at: 2018-05-30 15:21:13
Local clock offset: -0.376 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-30 18:38:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.76 Mbit/s
95th percentile per-packet one-way delay: 138.949 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 146.10 Mbit/s
95th percentile per-packet one-way delay: 129.497 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 98.88 Mbit/s
95th percentile per-packet one-way delay: 143.811 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 149.798 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

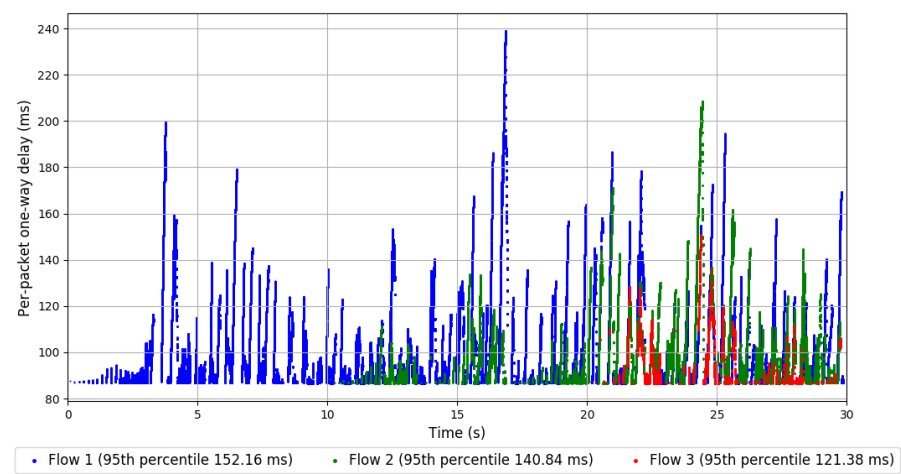
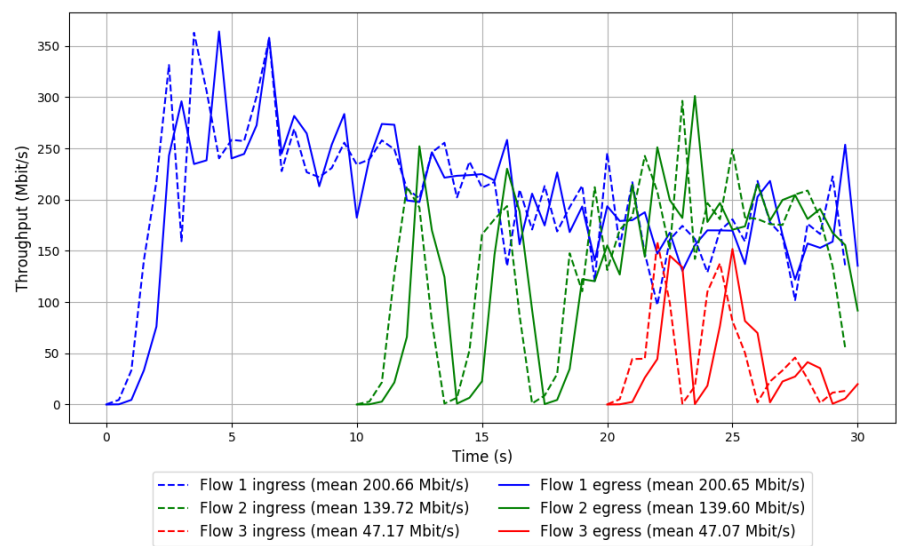


Run 9: Statistics of Verus

Start at: 2018-05-30 15:44:39
End at: 2018-05-30 15:45:09
Local clock offset: -0.242 ms
Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-05-30 18:38:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.01 Mbit/s
95th percentile per-packet one-way delay: 146.734 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.65 Mbit/s
95th percentile per-packet one-way delay: 152.158 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 139.60 Mbit/s
95th percentile per-packet one-way delay: 140.841 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 121.375 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

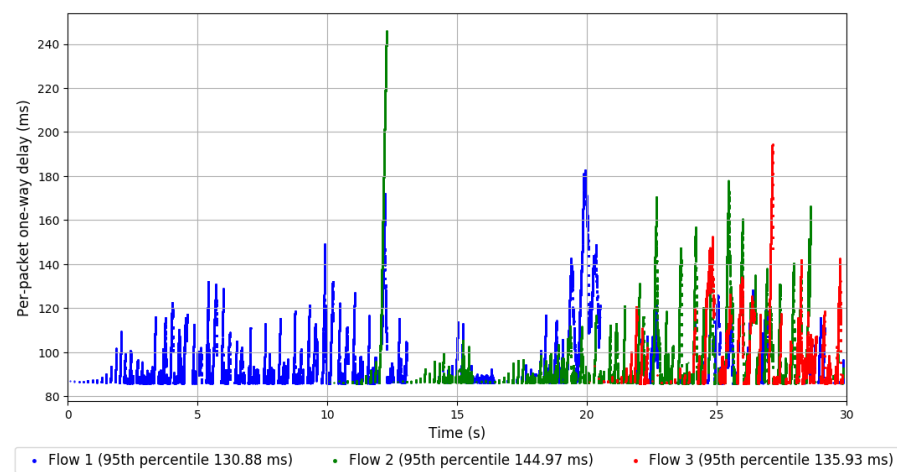
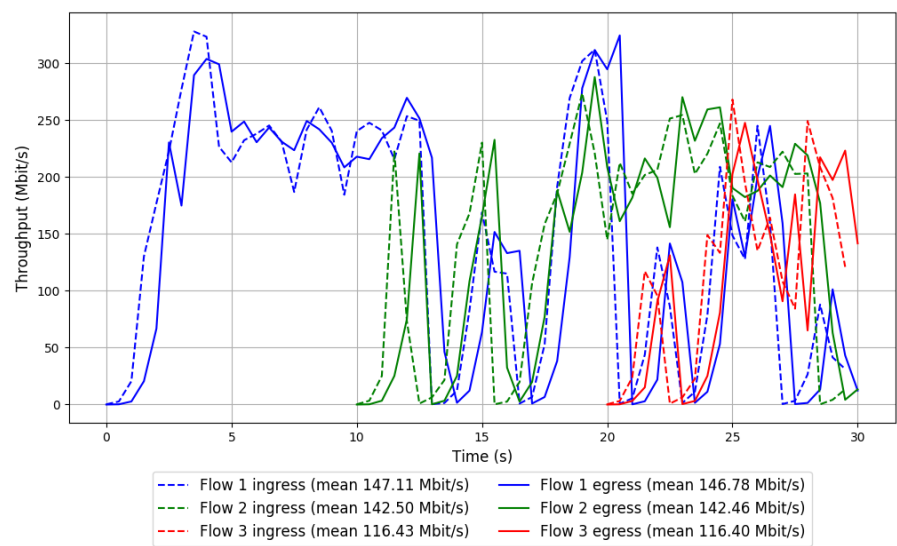


Run 10: Statistics of Verus

Start at: 2018-05-30 16:08:27
End at: 2018-05-30 16:08:57
Local clock offset: -0.041 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-30 18:38:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.40 Mbit/s
95th percentile per-packet one-way delay: 137.017 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 146.78 Mbit/s
95th percentile per-packet one-way delay: 130.878 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 142.46 Mbit/s
95th percentile per-packet one-way delay: 144.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.40 Mbit/s
95th percentile per-packet one-way delay: 135.934 ms
Loss rate: 0.03%

Run 10: Report of Verus — Data Link

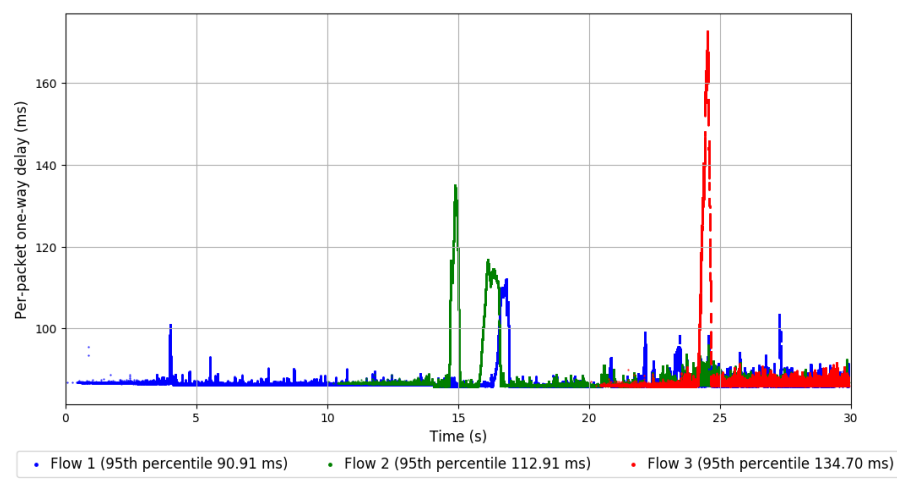
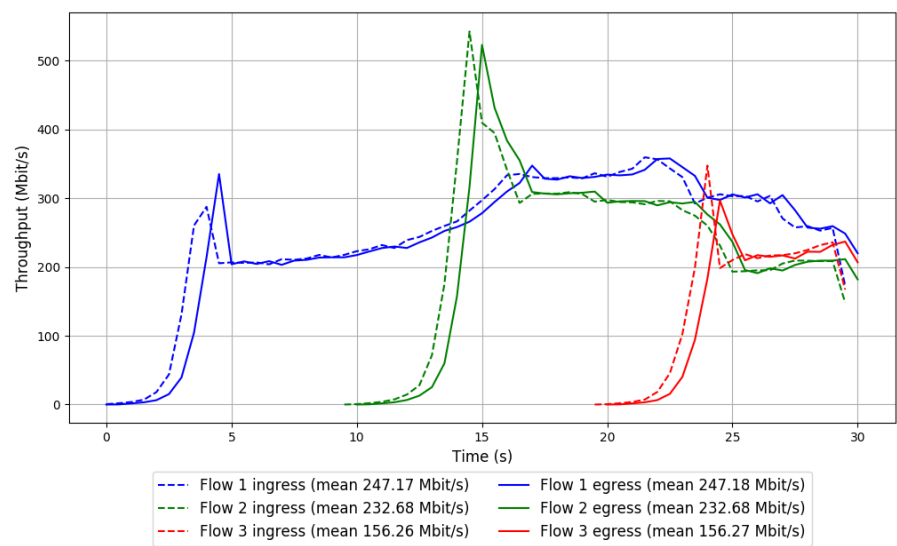


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-30 12:41:35
End at: 2018-05-30 12:42:05
Local clock offset: -0.055 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-30 18:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.71 Mbit/s
95th percentile per-packet one-way delay: 100.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 247.18 Mbit/s
95th percentile per-packet one-way delay: 90.907 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 232.68 Mbit/s
95th percentile per-packet one-way delay: 112.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.27 Mbit/s
95th percentile per-packet one-way delay: 134.697 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

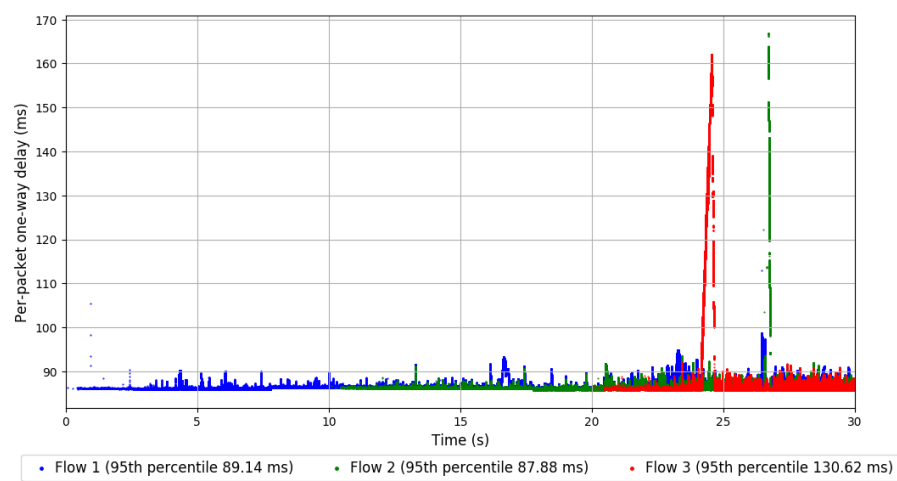
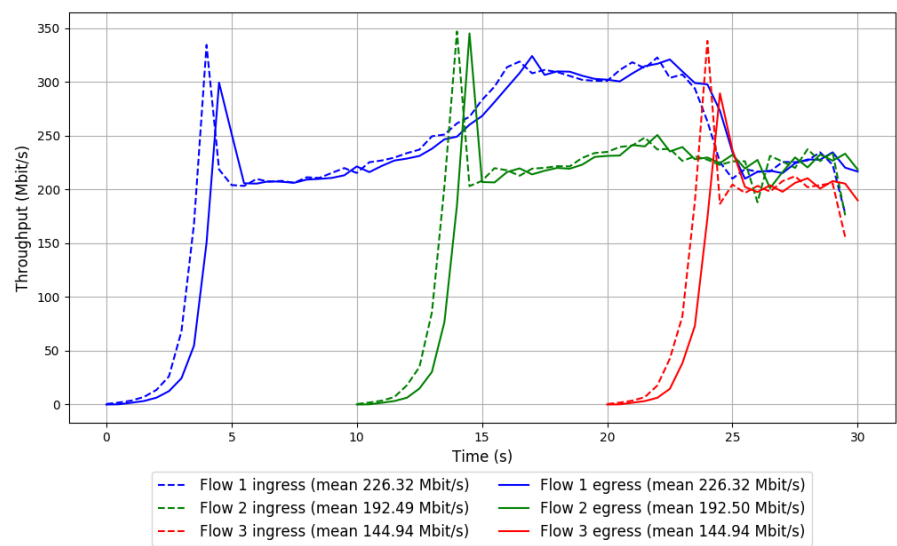


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-30 13:05:41
End at: 2018-05-30 13:06:11
Local clock offset: 0.02 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-30 18:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 402.21 Mbit/s
95th percentile per-packet one-way delay: 89.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.32 Mbit/s
95th percentile per-packet one-way delay: 89.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.50 Mbit/s
95th percentile per-packet one-way delay: 87.882 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.94 Mbit/s
95th percentile per-packet one-way delay: 130.617 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-30 13:29:31

End at: 2018-05-30 13:30:01

Local clock offset: -0.085 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-05-30 18:44:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 522.53 Mbit/s

95th percentile per-packet one-way delay: 108.756 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 311.28 Mbit/s

95th percentile per-packet one-way delay: 111.101 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 244.85 Mbit/s

95th percentile per-packet one-way delay: 106.174 ms

Loss rate: 0.00%

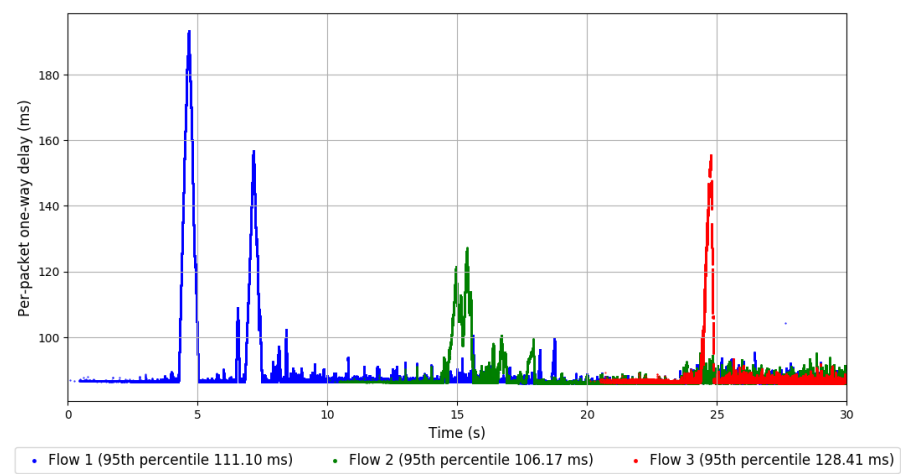
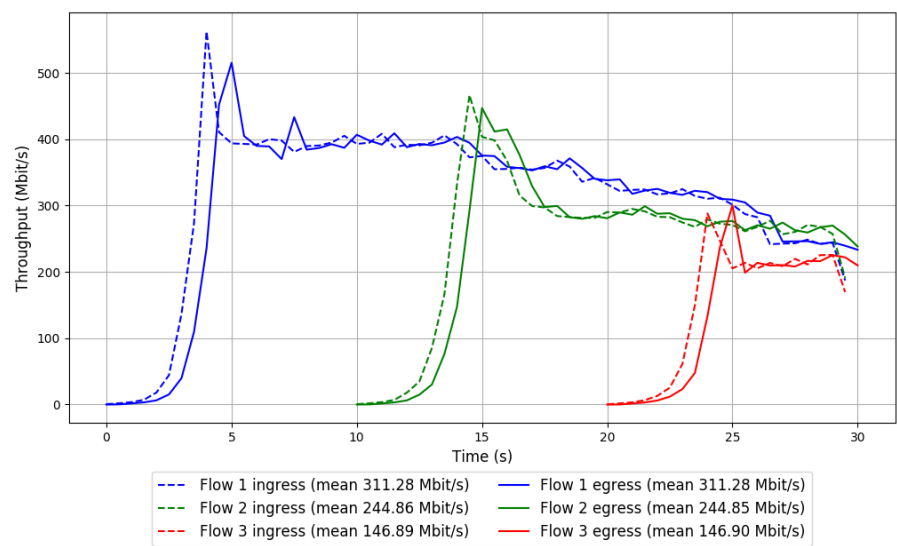
-- Flow 3:

Average throughput: 146.90 Mbit/s

95th percentile per-packet one-way delay: 128.407 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

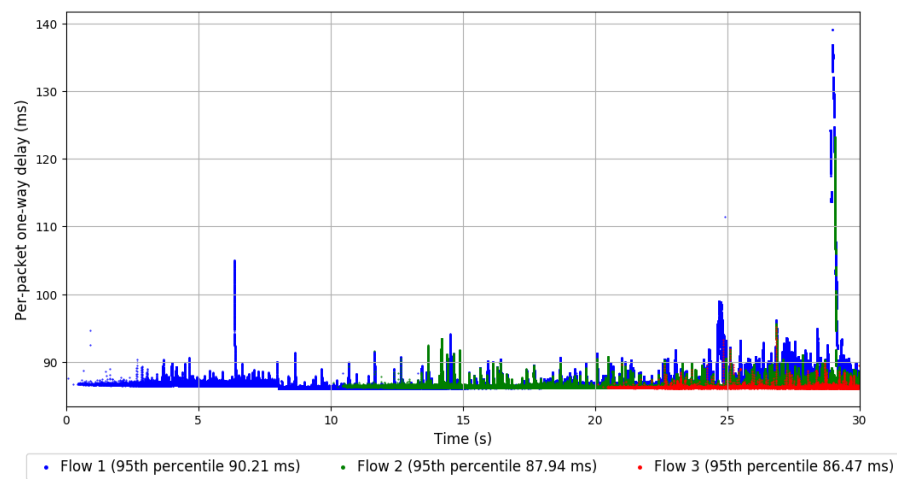
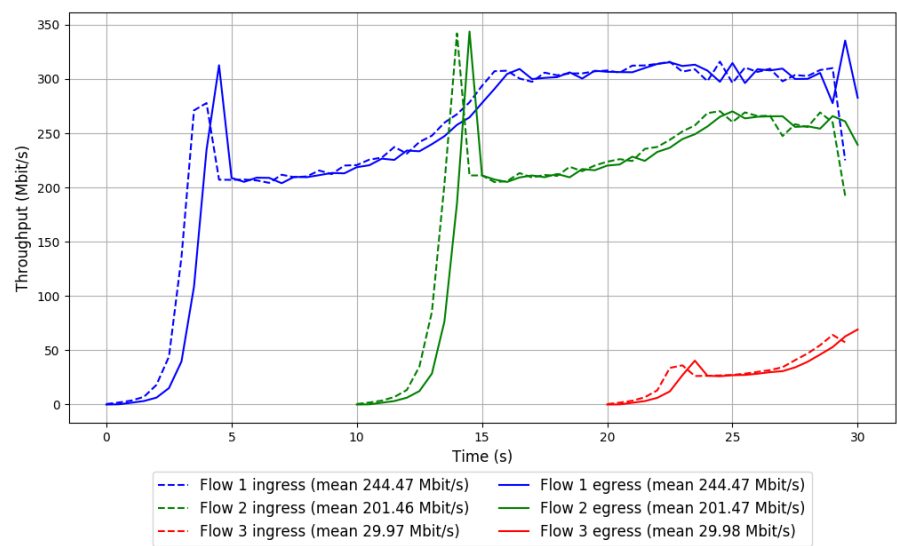


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-30 13:53:31
End at: 2018-05-30 13:54:01
Local clock offset: -0.246 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-30 18:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.34 Mbit/s
95th percentile per-packet one-way delay: 89.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 244.47 Mbit/s
95th percentile per-packet one-way delay: 90.214 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.47 Mbit/s
95th percentile per-packet one-way delay: 87.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 86.474 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-30 14:17:15

End at: 2018-05-30 14:17:45

Local clock offset: 0.165 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-05-30 18:44:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.86 Mbit/s

95th percentile per-packet one-way delay: 88.336 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.84 Mbit/s

95th percentile per-packet one-way delay: 87.880 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 191.61 Mbit/s

95th percentile per-packet one-way delay: 88.136 ms

Loss rate: 0.00%

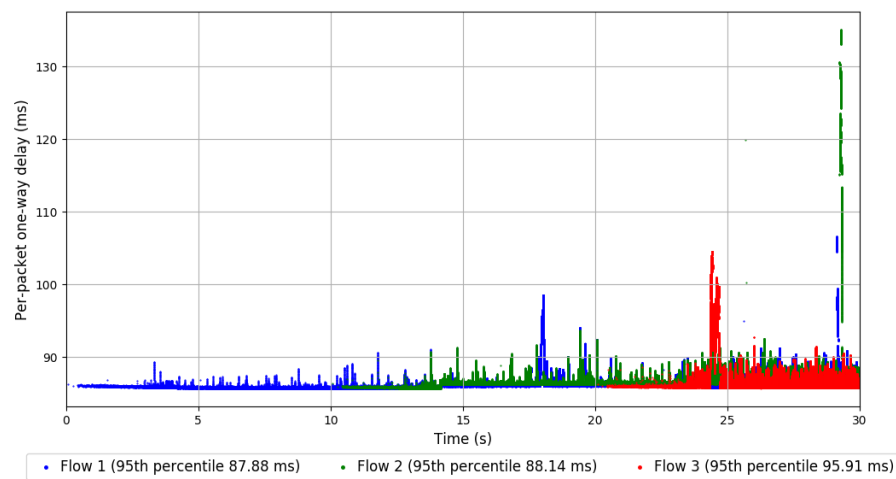
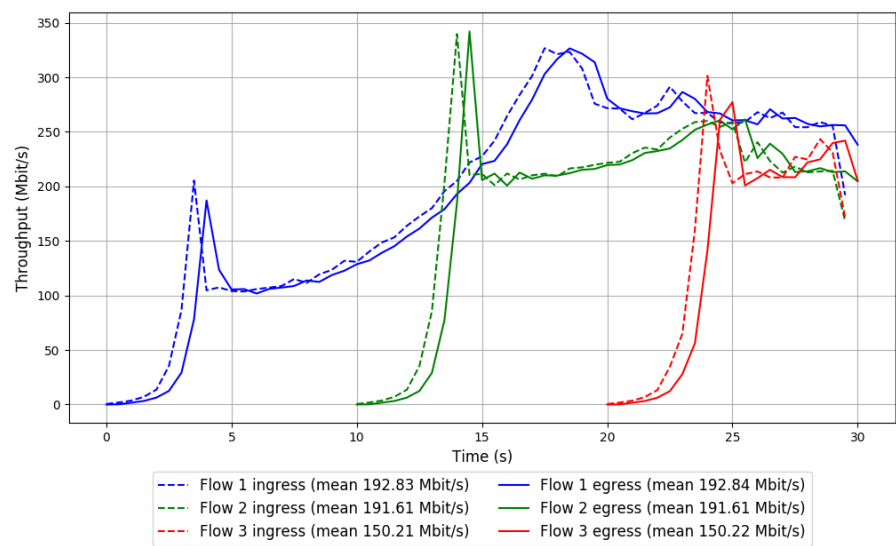
-- Flow 3:

Average throughput: 150.22 Mbit/s

95th percentile per-packet one-way delay: 95.913 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-30 14:40:59

End at: 2018-05-30 14:41:29

Local clock offset: 0.011 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-05-30 18:46:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 466.89 Mbit/s

95th percentile per-packet one-way delay: 96.111 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 287.81 Mbit/s

95th percentile per-packet one-way delay: 103.960 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 194.93 Mbit/s

95th percentile per-packet one-way delay: 87.441 ms

Loss rate: 0.00%

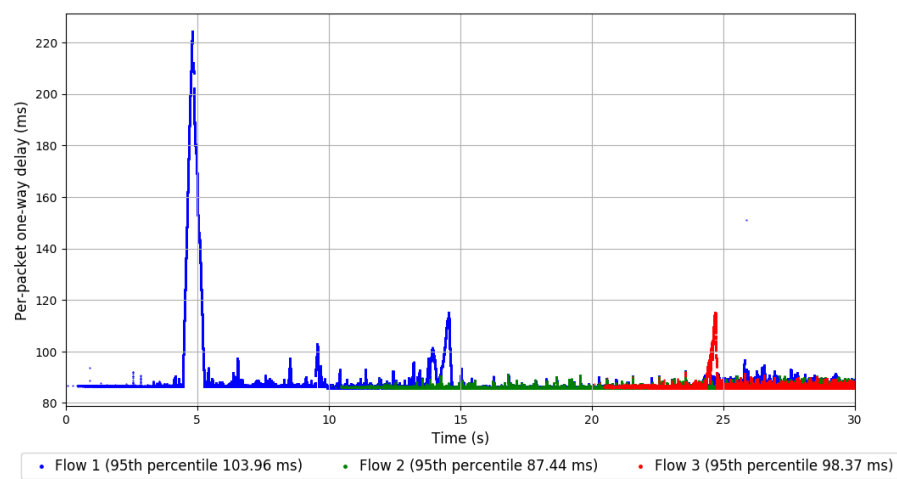
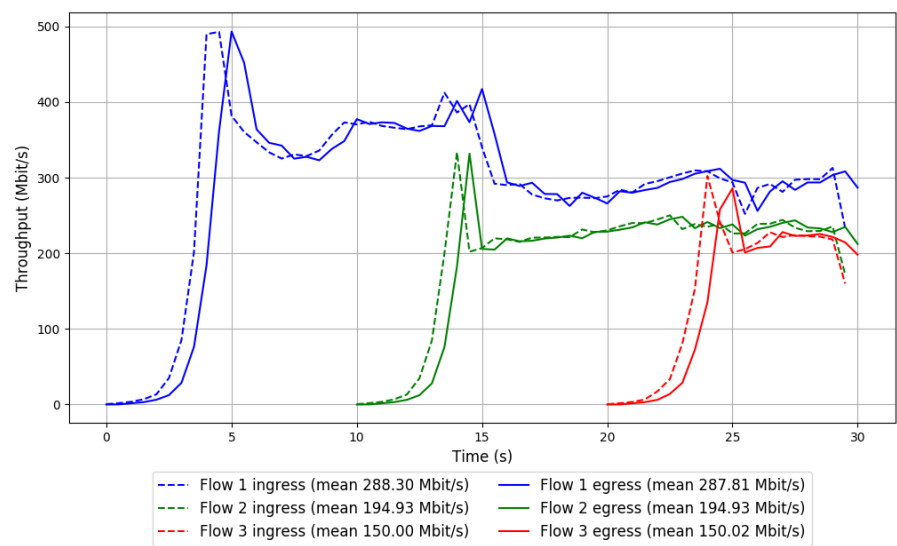
-- Flow 3:

Average throughput: 150.02 Mbit/s

95th percentile per-packet one-way delay: 98.374 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-30 15:04:58

End at: 2018-05-30 15:05:28

Local clock offset: 0.165 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-30 18:46:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 378.66 Mbit/s

95th percentile per-packet one-way delay: 88.067 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 198.01 Mbit/s

95th percentile per-packet one-way delay: 87.314 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 197.06 Mbit/s

95th percentile per-packet one-way delay: 88.017 ms

Loss rate: 0.01%

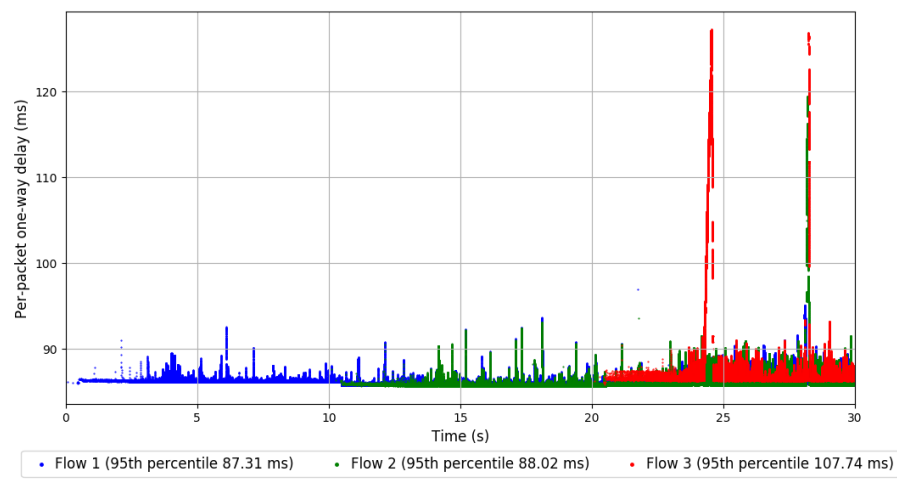
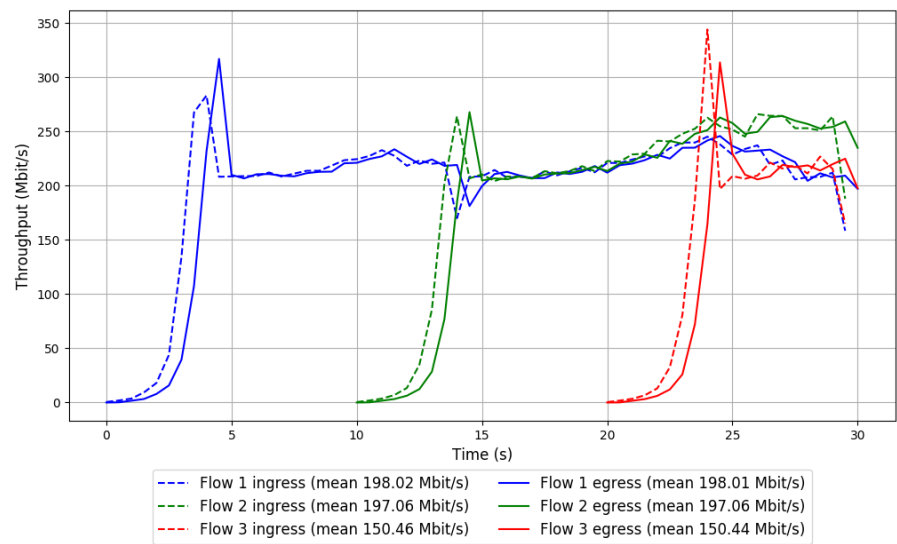
-- Flow 3:

Average throughput: 150.44 Mbit/s

95th percentile per-packet one-way delay: 107.739 ms

Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-30 15:28:43

End at: 2018-05-30 15:29:13

Local clock offset: -0.347 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-05-30 18:46:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.81 Mbit/s

95th percentile per-packet one-way delay: 107.591 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 305.67 Mbit/s

95th percentile per-packet one-way delay: 114.223 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 195.80 Mbit/s

95th percentile per-packet one-way delay: 89.049 ms

Loss rate: 0.00%

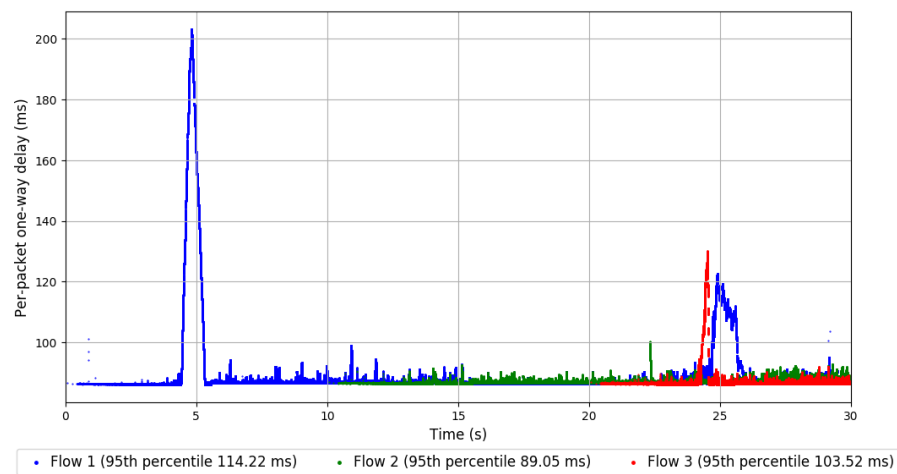
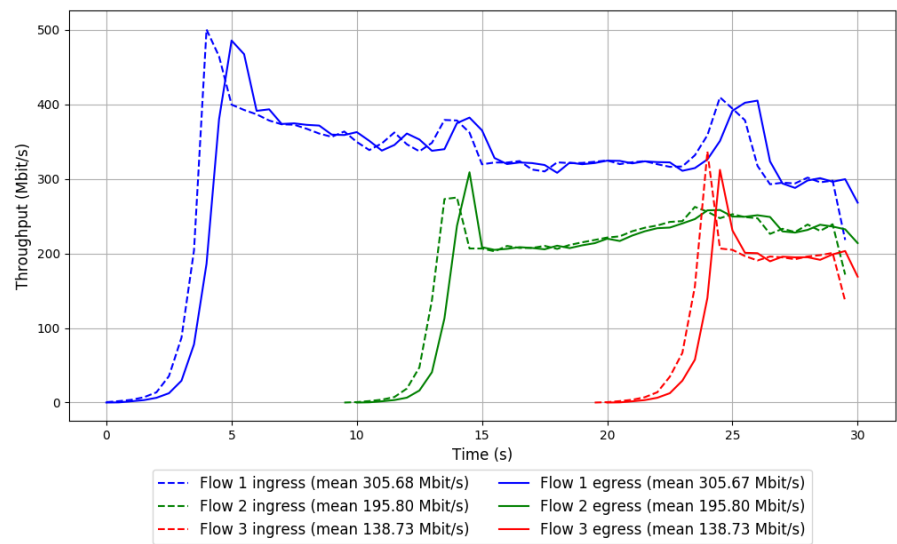
-- Flow 3:

Average throughput: 138.73 Mbit/s

95th percentile per-packet one-way delay: 103.522 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

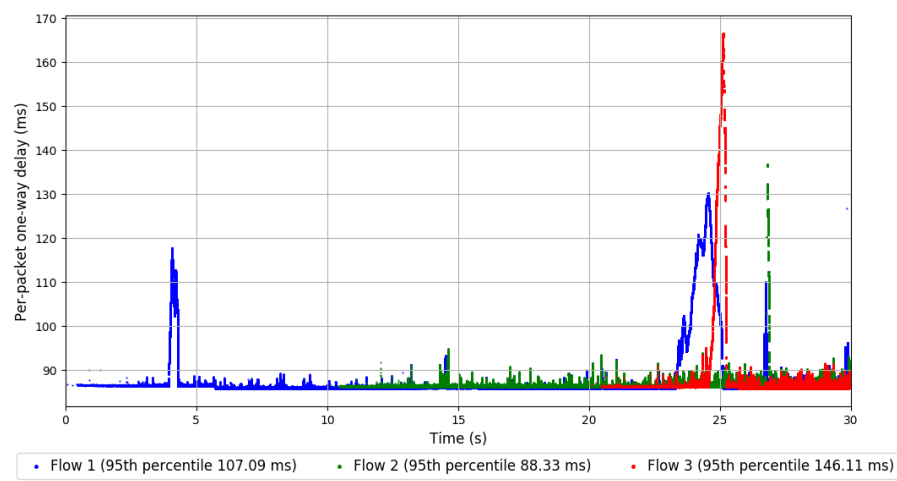
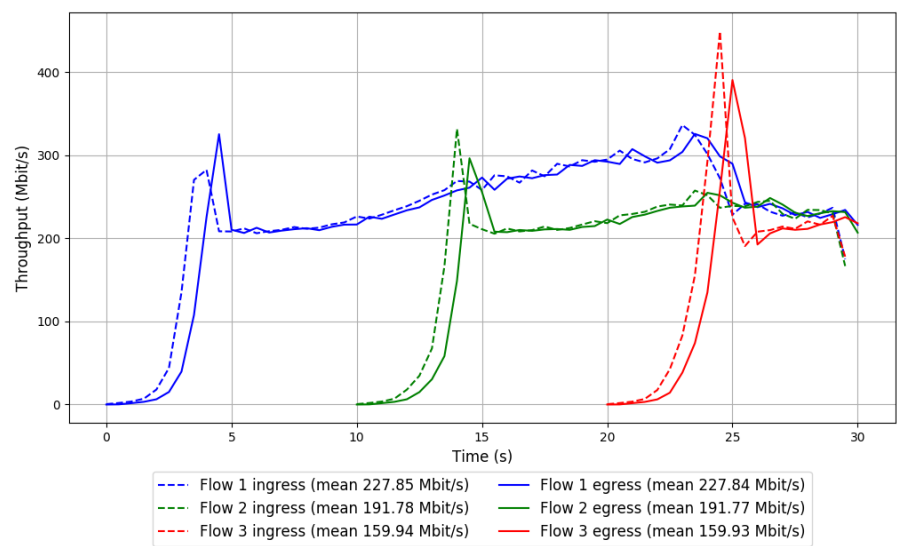


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-30 15:52:43
End at: 2018-05-30 15:53:13
Local clock offset: 0.055 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-30 18:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.12 Mbit/s
95th percentile per-packet one-way delay: 104.609 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 227.84 Mbit/s
95th percentile per-packet one-way delay: 107.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.77 Mbit/s
95th percentile per-packet one-way delay: 88.325 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 159.93 Mbit/s
95th percentile per-packet one-way delay: 146.113 ms
Loss rate: 0.01%

Run 9: Report of PCC-Vivace — Data Link

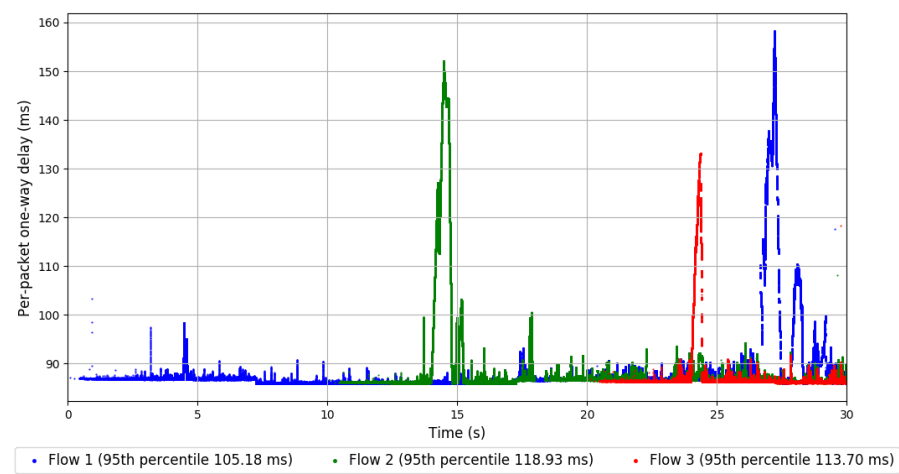
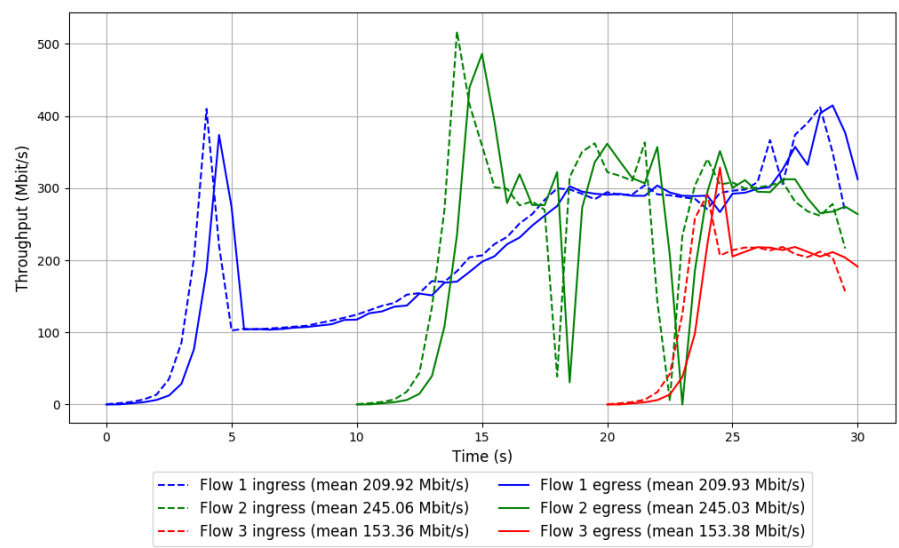


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-30 16:16:32
End at: 2018-05-30 16:17:02
Local clock offset: -0.028 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-30 18:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.42 Mbit/s
95th percentile per-packet one-way delay: 108.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.93 Mbit/s
95th percentile per-packet one-way delay: 105.180 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 245.03 Mbit/s
95th percentile per-packet one-way delay: 118.930 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 153.38 Mbit/s
95th percentile per-packet one-way delay: 113.705 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

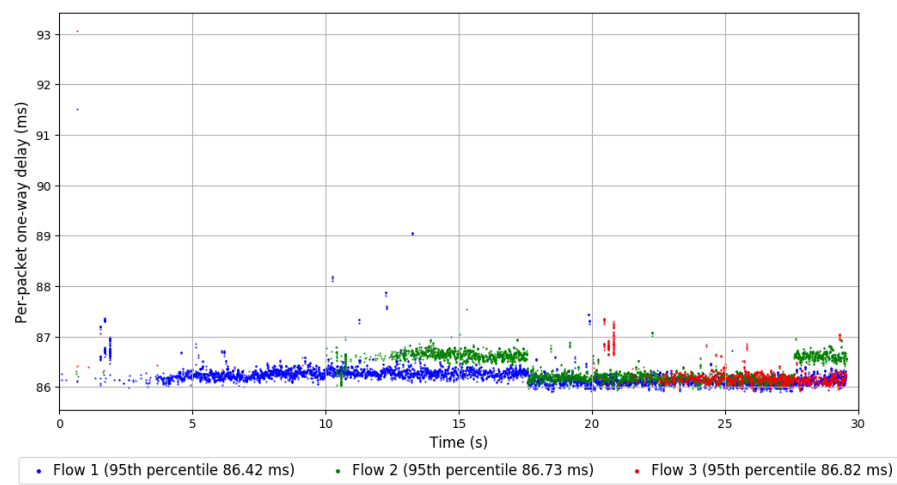
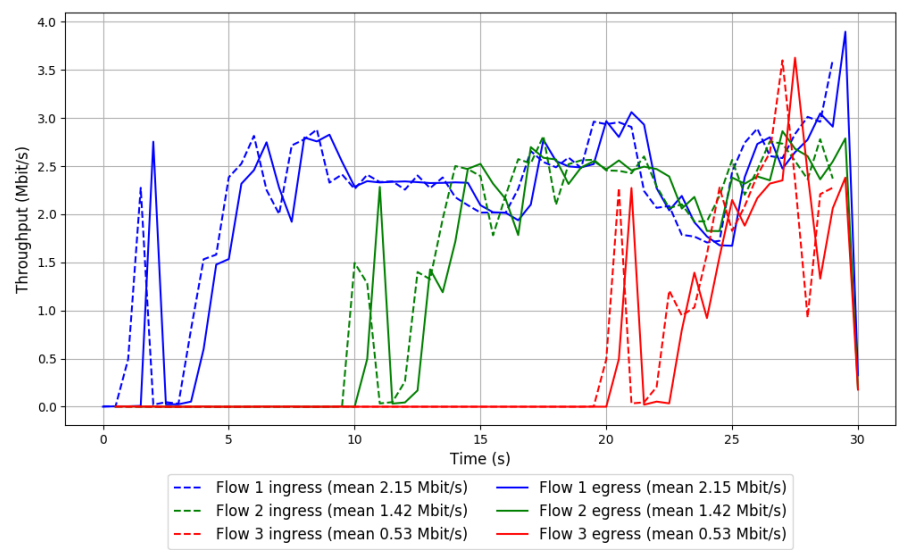


Run 1: Statistics of WebRTC media

Start at: 2018-05-30 12:44:31
End at: 2018-05-30 12:45:01
Local clock offset: -0.092 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-30 18:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 86.418 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 86.726 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.818 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

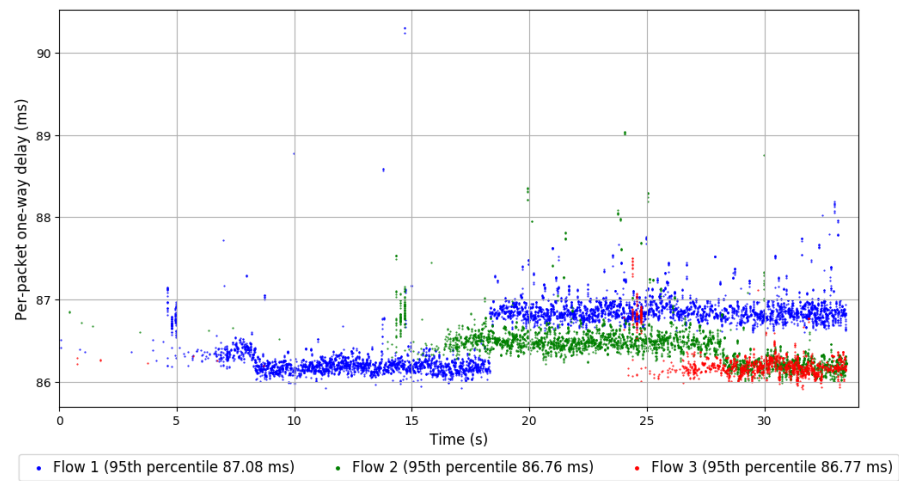
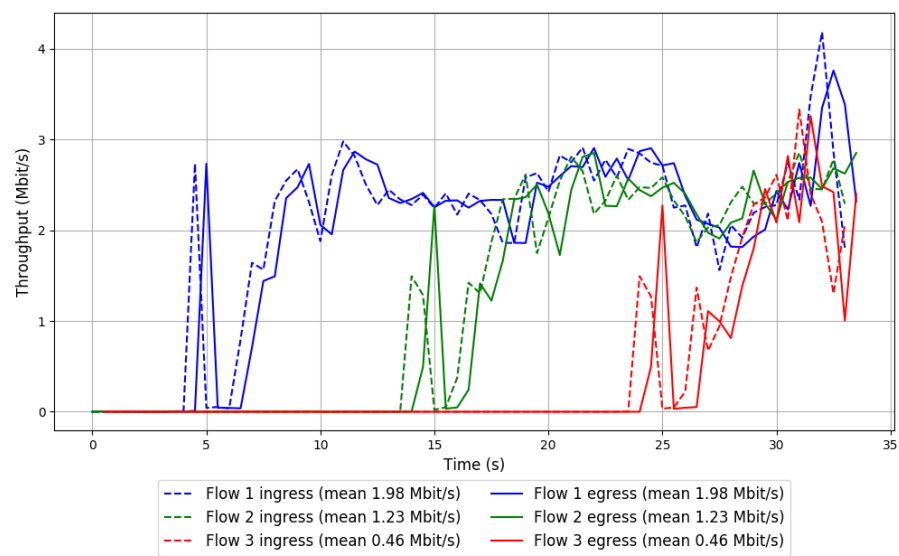


Run 2: Statistics of WebRTC media

Start at: 2018-05-30 13:08:34
End at: 2018-05-30 13:09:04
Local clock offset: -0.031 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-30 18:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 87.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 87.079 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 86.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.773 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

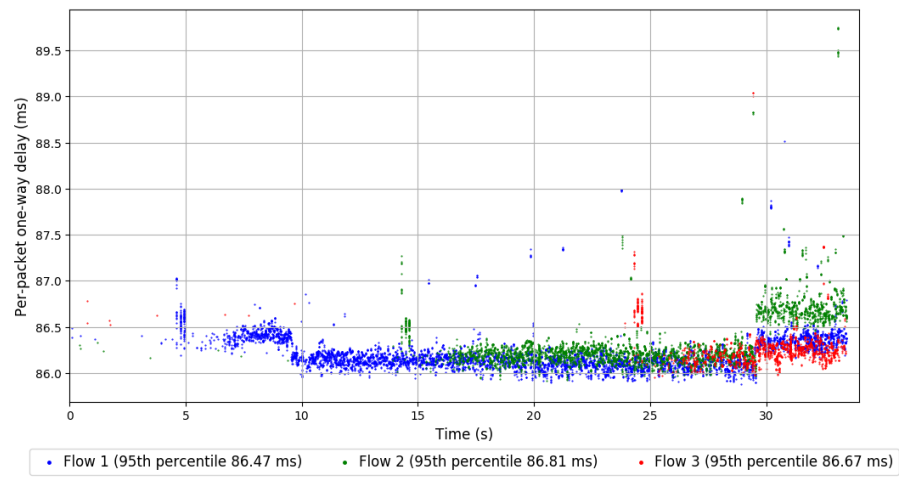
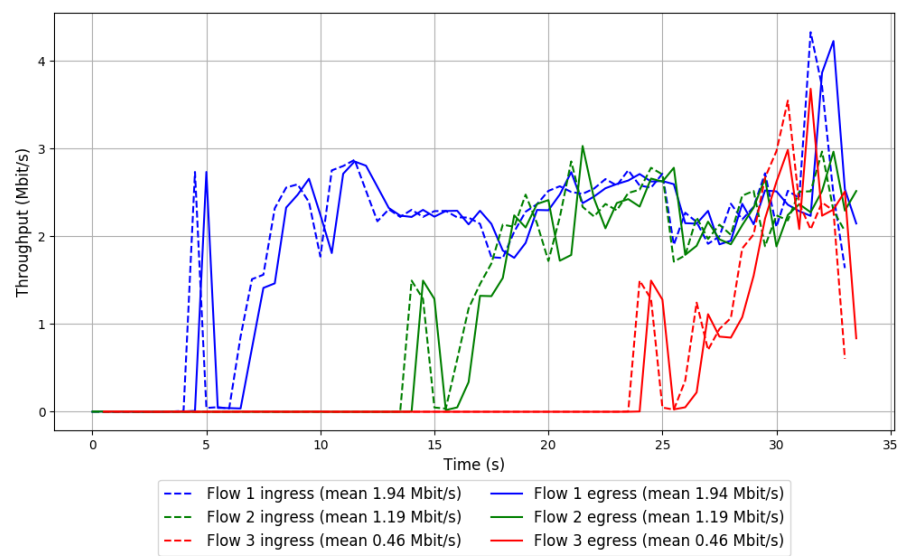


Run 3: Statistics of WebRTC media

Start at: 2018-05-30 13:32:33
End at: 2018-05-30 13:33:03
Local clock offset: -0.069 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-05-30 18:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 86.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.468 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 86.811 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.671 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

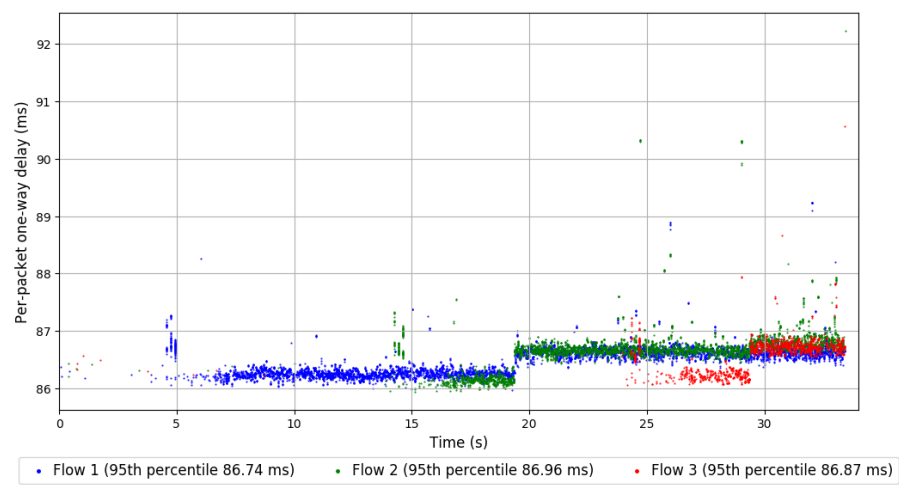
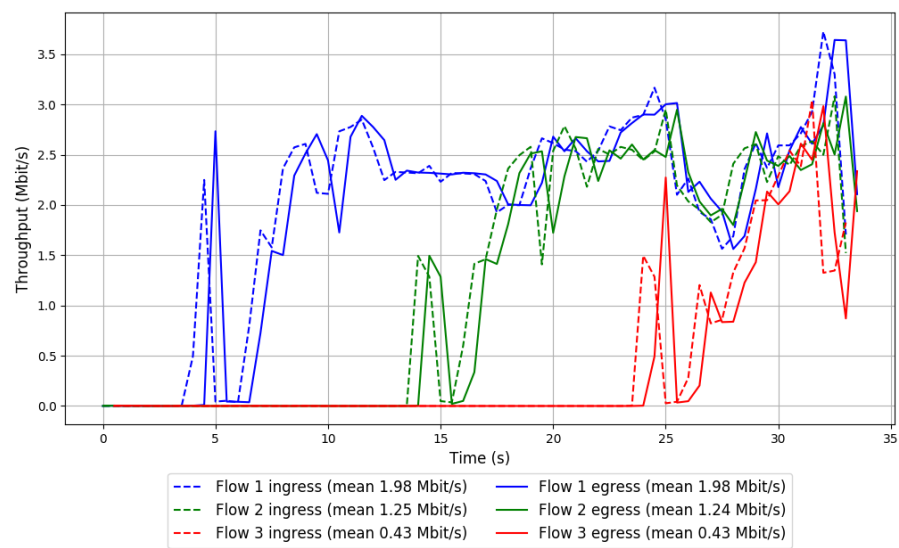


Run 4: Statistics of WebRTC media

Start at: 2018-05-30 13:56:23
End at: 2018-05-30 13:56:53
Local clock offset: -0.035 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-30 18:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 86.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.744 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 86.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.871 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-30 14:20:05

End at: 2018-05-30 14:20:35

Local clock offset: -0.196 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-05-30 18:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 86.949 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 86.977 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

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

Loss rate: 0.02%

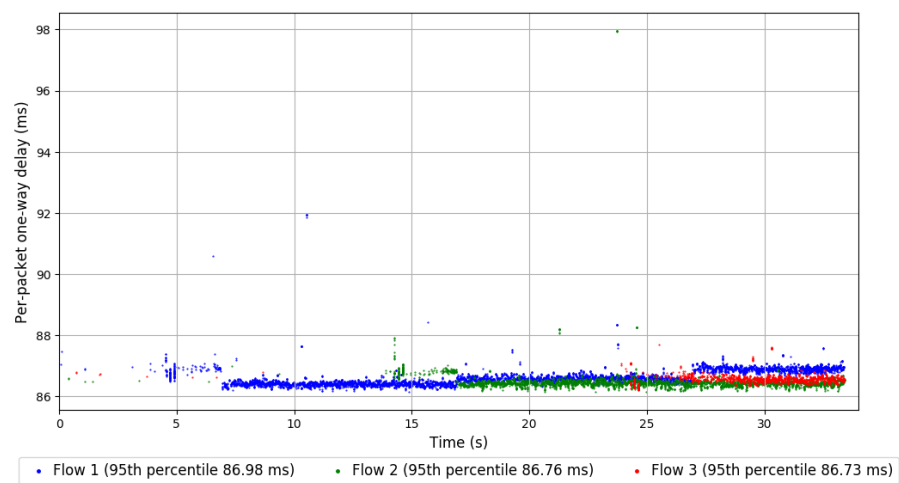
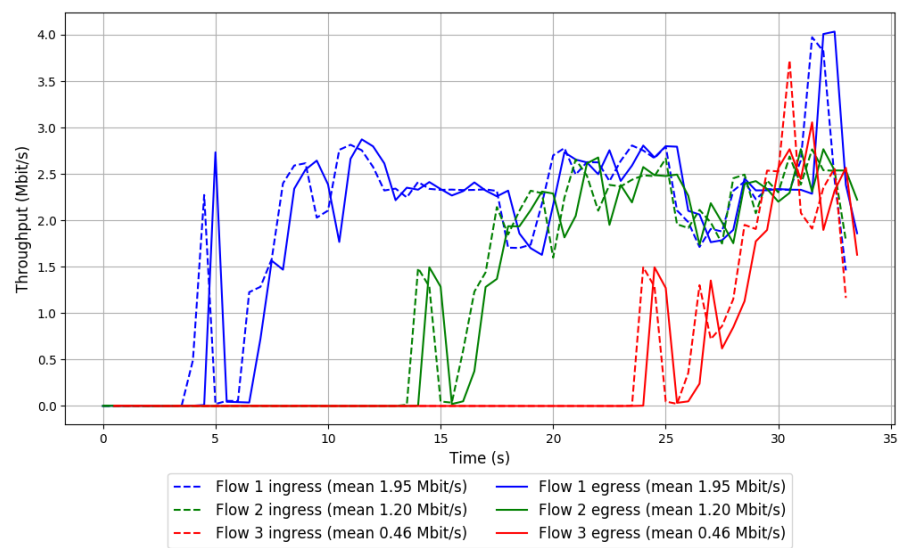
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.733 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-30 14:44:00

End at: 2018-05-30 14:44:30

Local clock offset: -0.184 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-05-30 18:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 86.982 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 86.865 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 86.961 ms

Loss rate: 0.00%

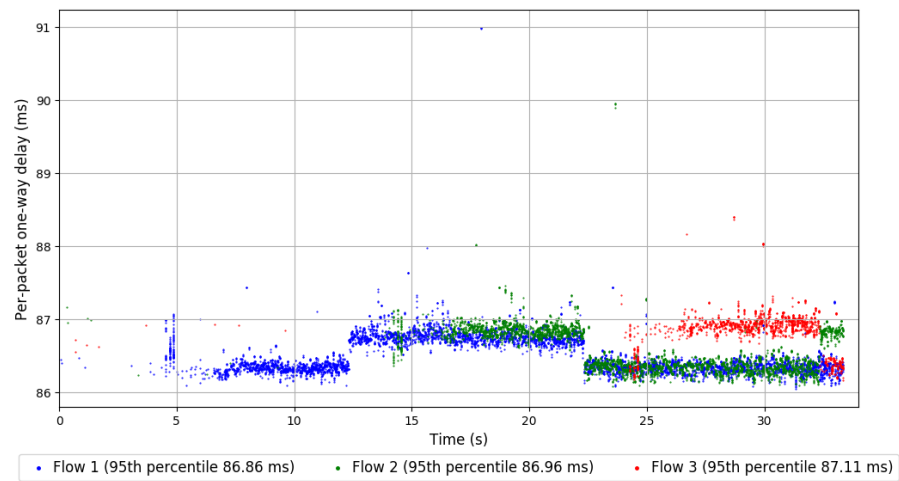
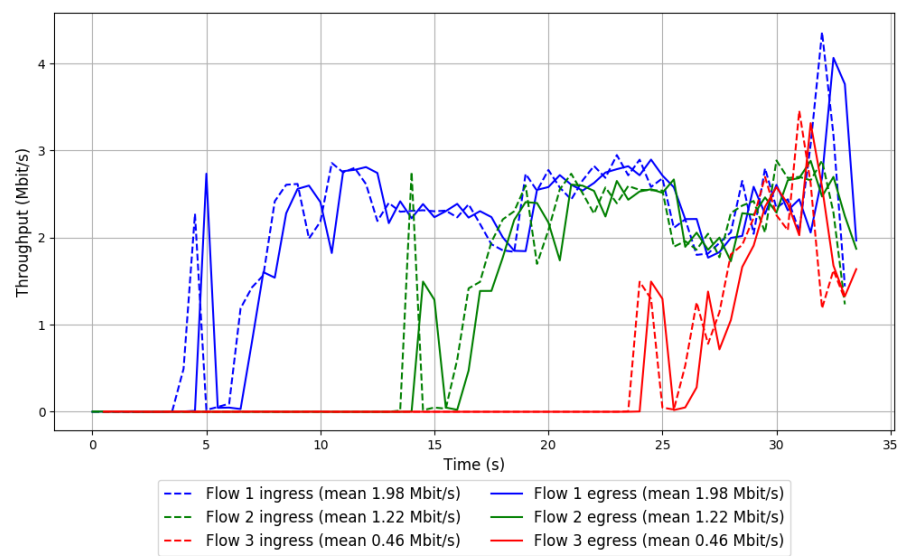
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 87.113 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-30 15:07:50

End at: 2018-05-30 15:08:20

Local clock offset: -0.074 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-30 18:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.63 Mbit/s

95th percentile per-packet one-way delay: 86.912 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.950 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 86.549 ms

Loss rate: 0.00%

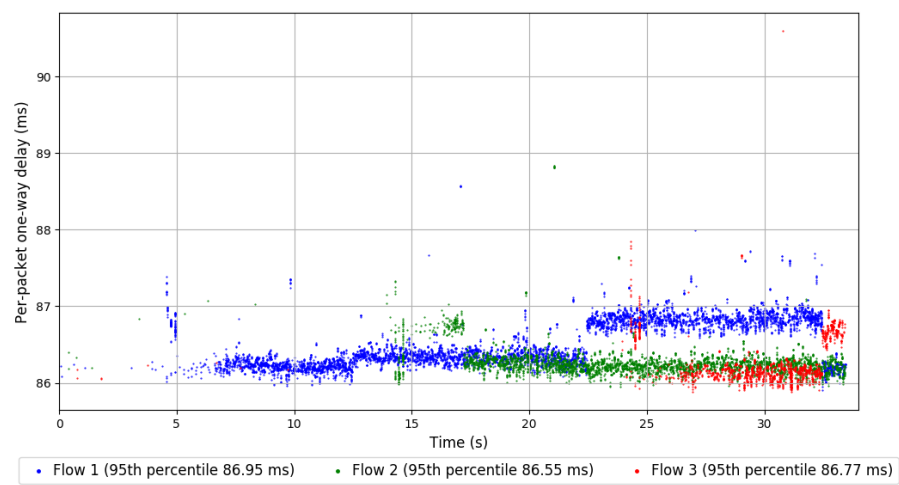
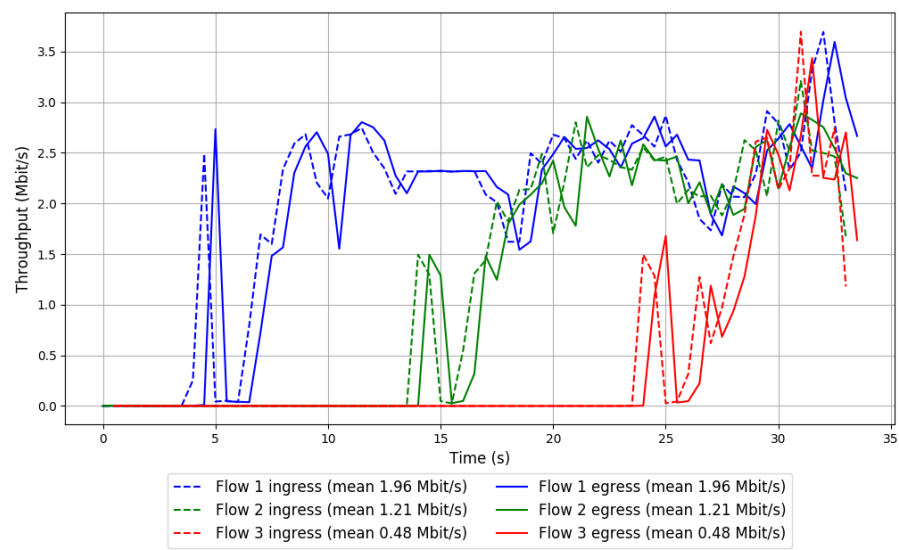
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 86.768 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

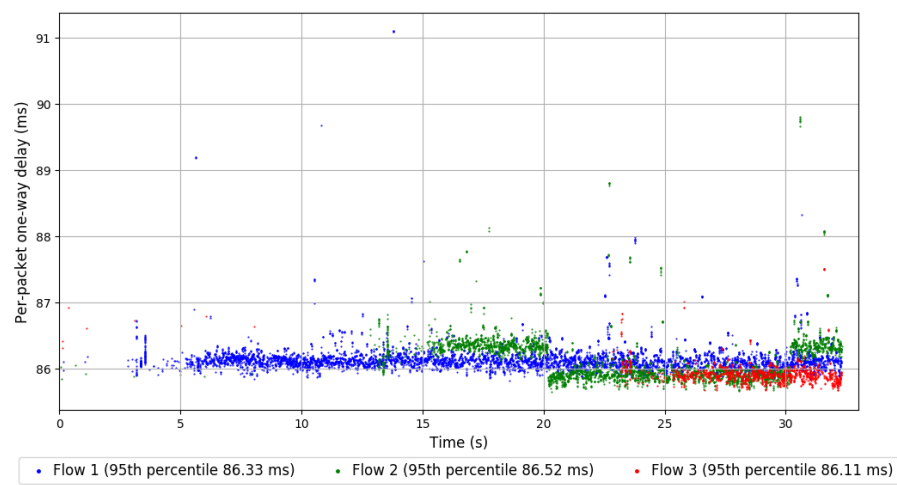
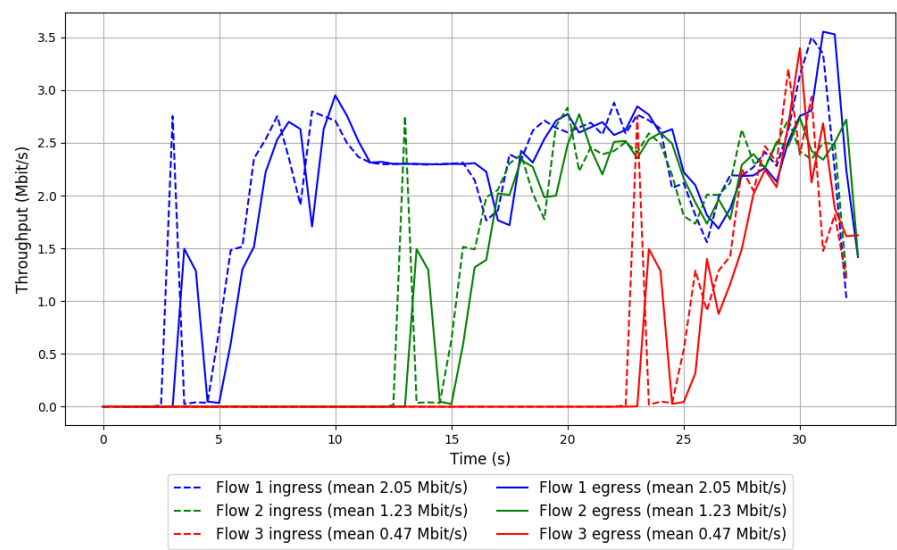


Run 8: Statistics of WebRTC media

Start at: 2018-05-30 15:31:41
End at: 2018-05-30 15:32:11
Local clock offset: 0.182 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-30 18:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 86.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 86.334 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 86.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.113 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-30 15:55:36

End at: 2018-05-30 15:56:06

Local clock offset: -0.109 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-05-30 18:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.62 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.923 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 86.621 ms

Loss rate: 0.00%

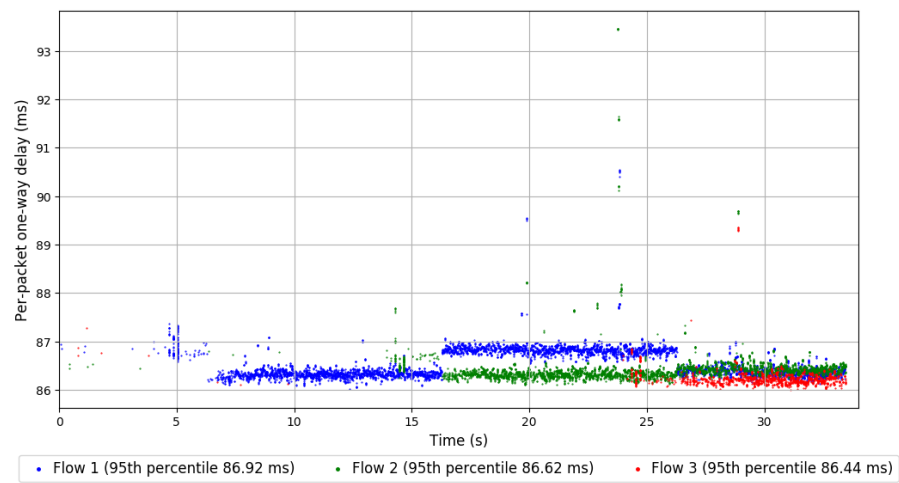
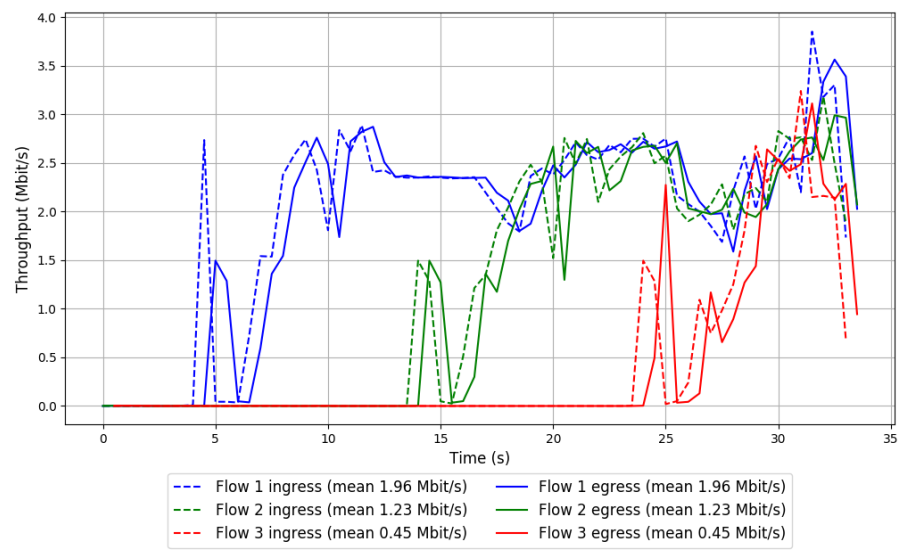
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.436 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-30 16:19:28

End at: 2018-05-30 16:19:58

Local clock offset: -0.24 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-30 18:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 87.316 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 86.596 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 87.404 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 87.622 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

