

Pantheon Report

Generated at 2018-05-30 18:14:58 (UTC).

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

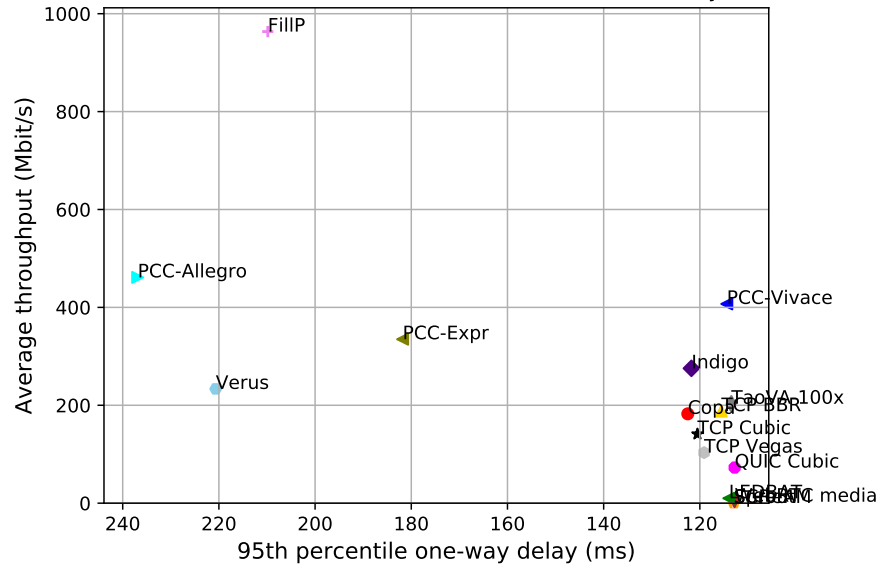
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

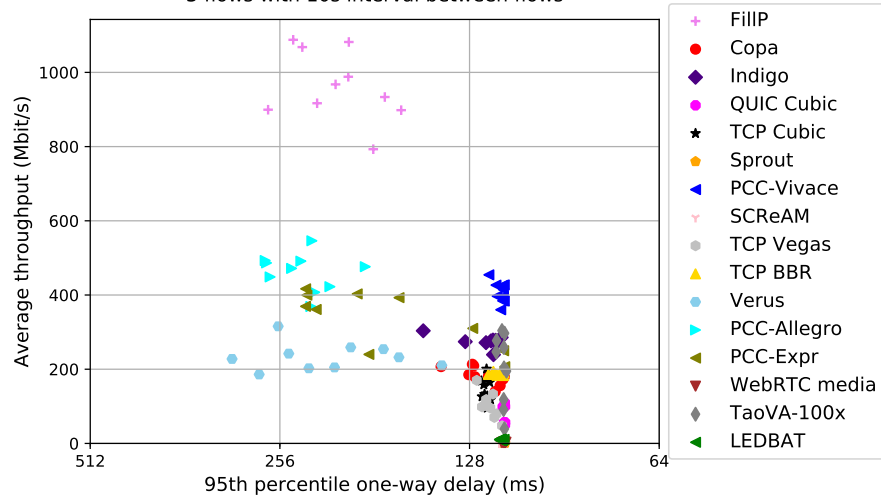
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ 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-quic @ 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 Tokyo to GCE London, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



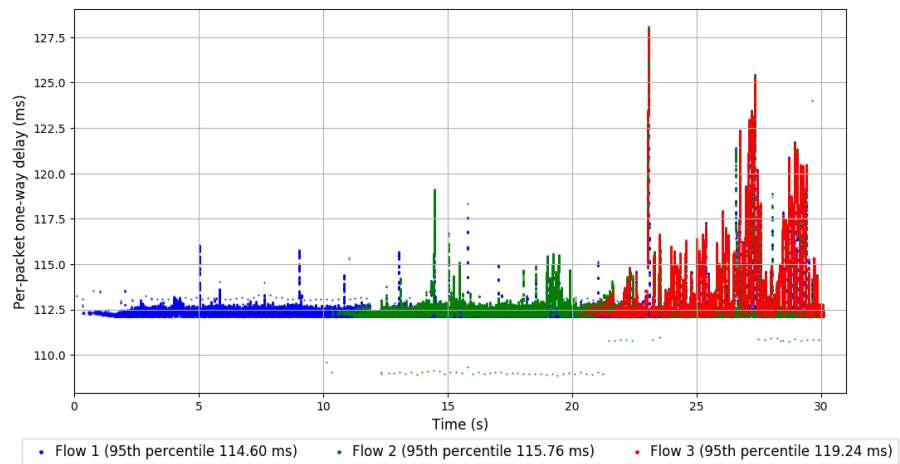
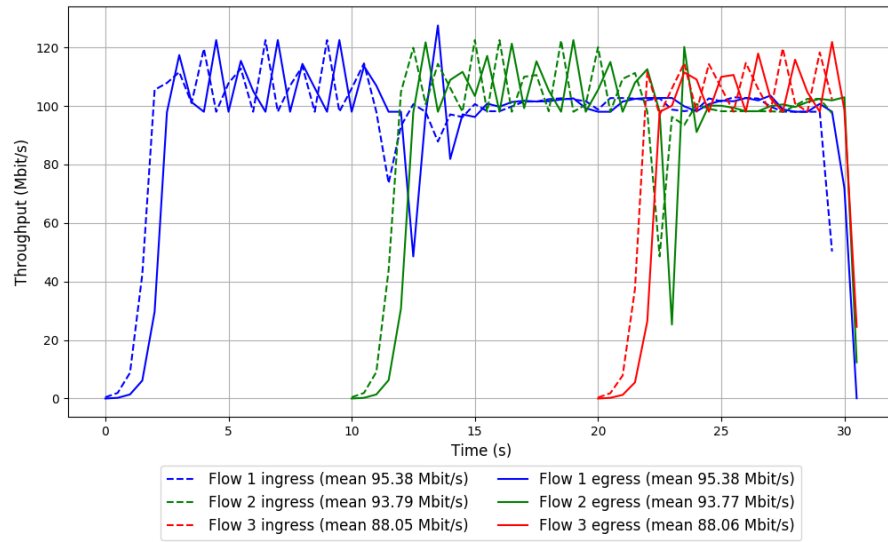
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	96.97	94.45	84.86	114.03	115.92	117.63	0.00	0.02	0.02
Copa	10	103.89	81.29	75.55	123.36	117.34	121.09	0.02	0.00	0.02
TCP Cubic	10	82.09	59.34	59.54	120.54	120.13	119.79	0.00	0.00	0.04
FillP	10	564.49	437.14	327.43	225.34	165.07	124.77	1.17	0.73	0.04
Indigo	10	140.29	143.85	123.97	119.47	121.93	122.95	0.01	0.01	0.03
LEDBAT	10	6.56	4.09	2.08	114.04	113.75	113.43	0.06	0.00	0.00
PCC-Allegro	10	415.45	46.27	45.76	236.68	235.64	223.30	2.64	2.57	1.85
PCC-Expr	10	232.48	114.49	79.75	181.93	147.76	156.49	1.01	0.33	0.81
QUIC Cubic	10	23.48	55.09	39.60	112.03	112.38	111.79	0.00	0.00	0.01
SCReAM	10	0.21	0.22	0.22	112.03	112.46	111.74	0.00	0.00	0.00
Sprout	10	0.20	0.24	0.26	112.88	112.73	112.89	0.02	0.00	0.00
TaoVA-100x	10	109.24	93.06	96.19	113.11	113.39	113.95	0.00	0.00	0.01
TCP Vegas	10	65.59	40.36	32.93	118.68	118.48	117.51	0.02	0.04	0.52
Verus	10	152.96	88.83	72.21	203.95	207.90	214.85	1.06	0.67	0.86
PCC-Vivace	10	246.99	183.60	115.21	120.51	111.97	117.27	0.18	0.00	0.00
WebRTC media	10	1.67	0.95	0.37	111.80	112.21	112.56	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-05-30 12:55:55
End at: 2018-05-30 12:56:25
Local clock offset: -0.282 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-05-30 16:44:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.92 Mbit/s
95th percentile per-packet one-way delay: 116.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 114.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 115.761 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 119.241 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-30 13:19:22

End at: 2018-05-30 13:19:52

Local clock offset: -0.329 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-05-30 16:44:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.07 Mbit/s

95th percentile per-packet one-way delay: 119.486 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 115.620 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.18 Mbit/s

95th percentile per-packet one-way delay: 121.269 ms

Loss rate: 0.01%

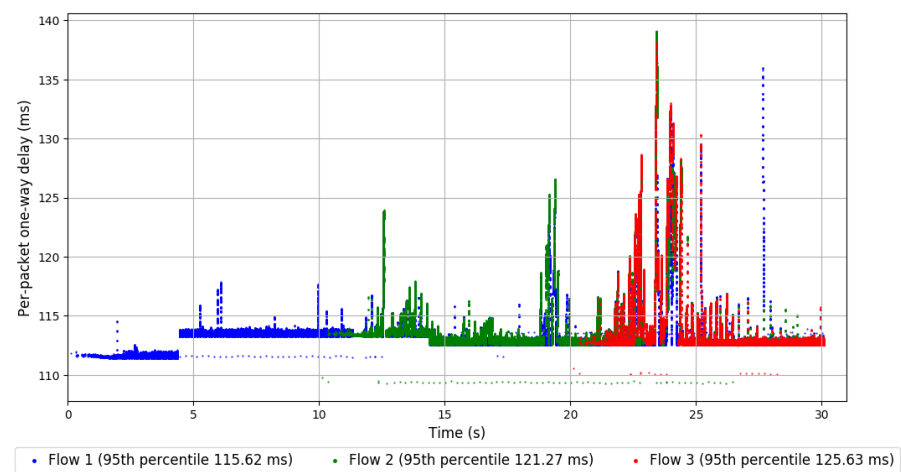
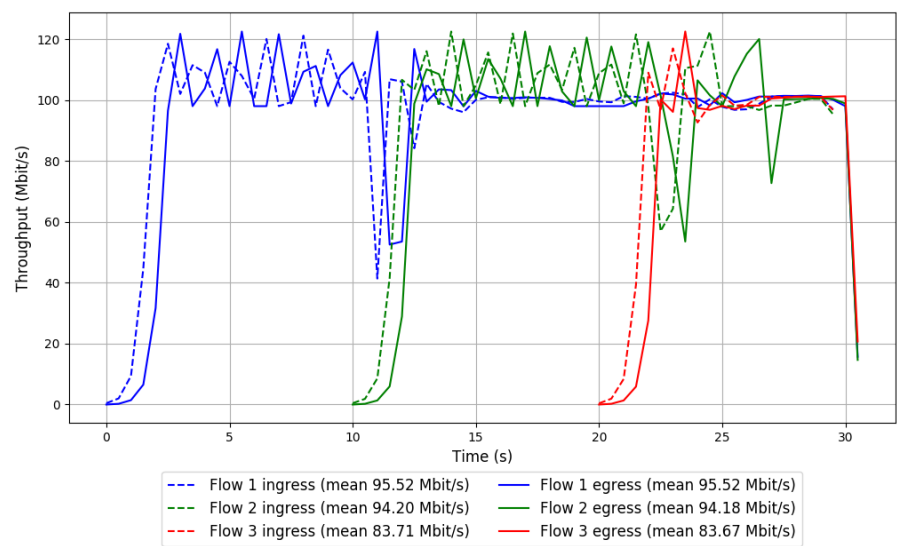
-- Flow 3:

Average throughput: 83.67 Mbit/s

95th percentile per-packet one-way delay: 125.628 ms

Loss rate: 0.03%

Run 2: Report of TCP BBR — Data Link

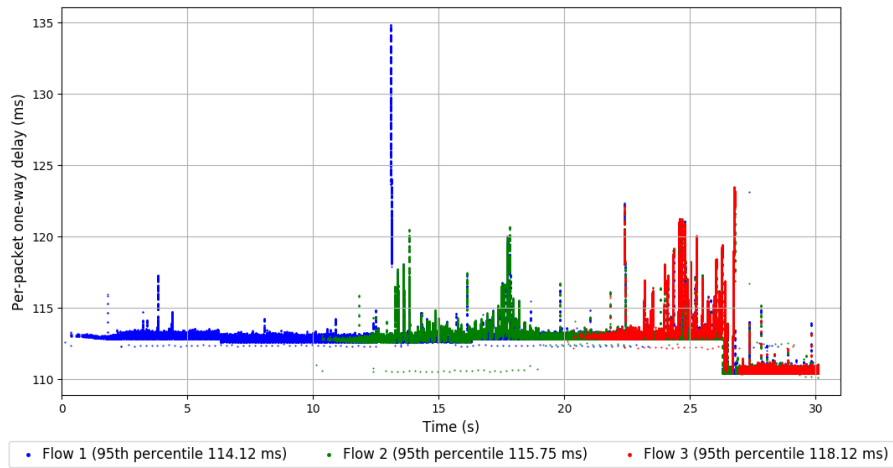
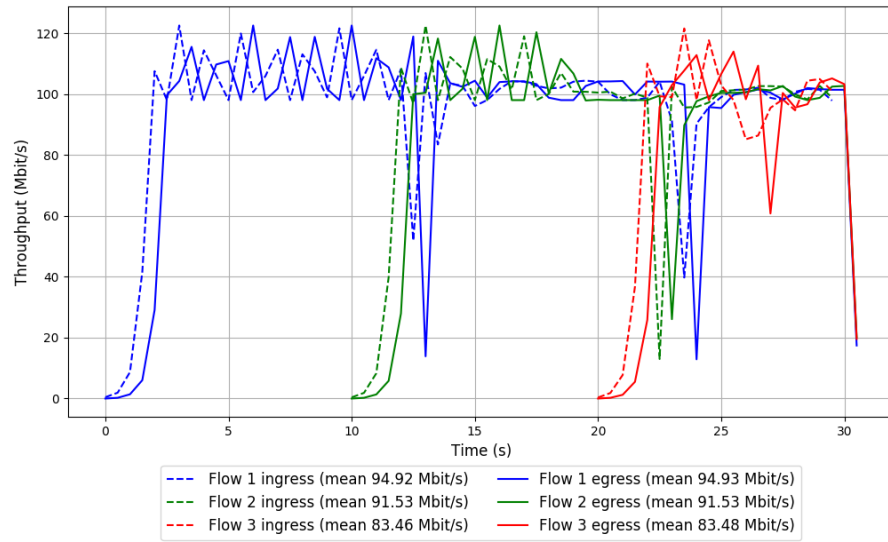


Run 3: Statistics of TCP BBR

Start at: 2018-05-30 13:43:01
End at: 2018-05-30 13:43:31
Local clock offset: -0.077 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-30 16:44:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.65 Mbit/s
95th percentile per-packet one-way delay: 115.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 114.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 115.748 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 118.123 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

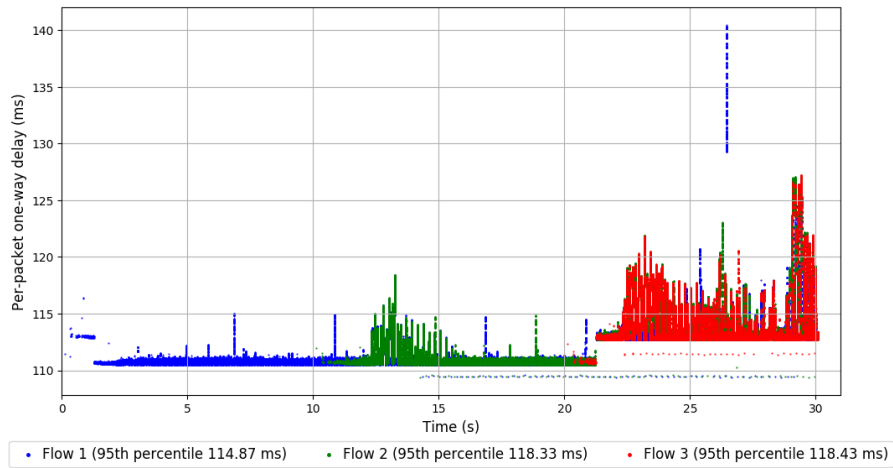
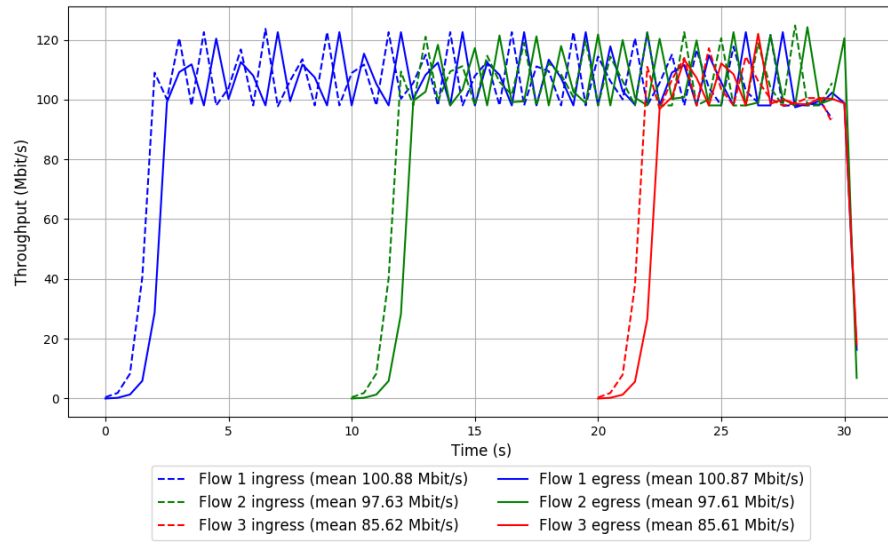


Run 4: Statistics of TCP BBR

Start at: 2018-05-30 14:06:26
End at: 2018-05-30 14:06:56
Local clock offset: -0.173 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-30 16:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.20 Mbit/s
95th percentile per-packet one-way delay: 117.324 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 100.87 Mbit/s
95th percentile per-packet one-way delay: 114.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.61 Mbit/s
95th percentile per-packet one-way delay: 118.330 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 118.431 ms
Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link

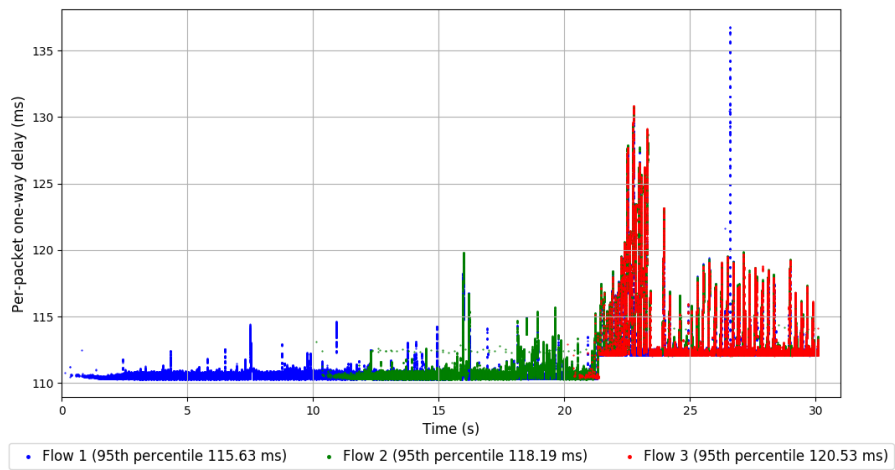
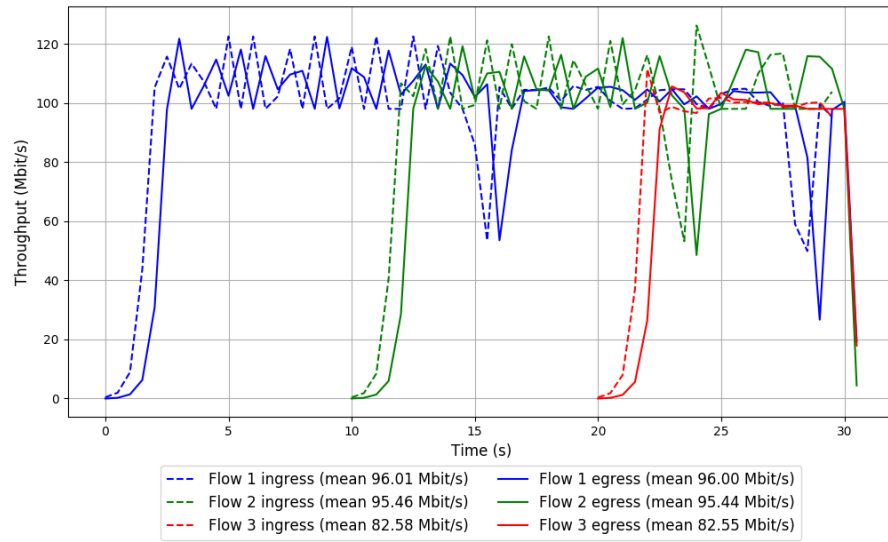


Run 5: Statistics of TCP BBR

Start at: 2018-05-30 14:29:55
End at: 2018-05-30 14:30:25
Local clock offset: 0.134 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-30 16:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.98 Mbit/s
95th percentile per-packet one-way delay: 117.580 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 115.632 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 118.189 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 82.55 Mbit/s
95th percentile per-packet one-way delay: 120.526 ms
Loss rate: 0.05%

Run 5: Report of TCP BBR — Data Link

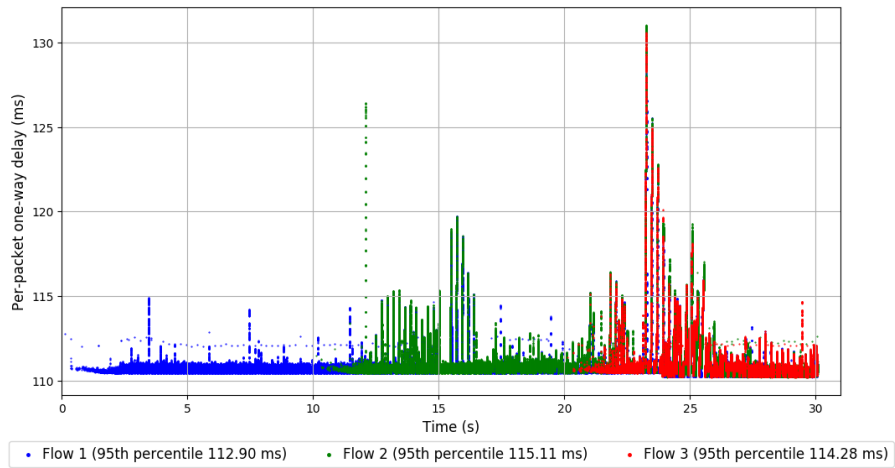
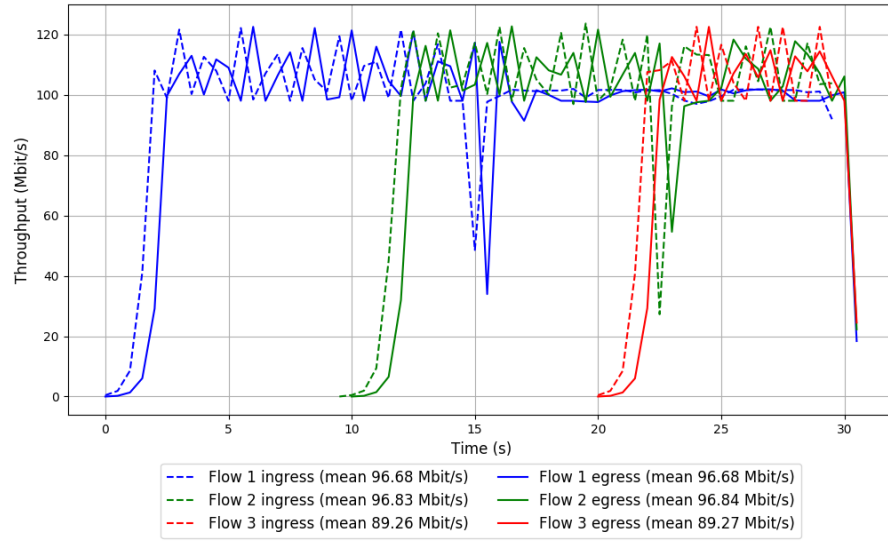


Run 6: Statistics of TCP BBR

Start at: 2018-05-30 14:53:43
End at: 2018-05-30 14:54:13
Local clock offset: 0.084 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-30 16:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.85 Mbit/s
95th percentile per-packet one-way delay: 114.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 112.900 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 115.109 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 114.275 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

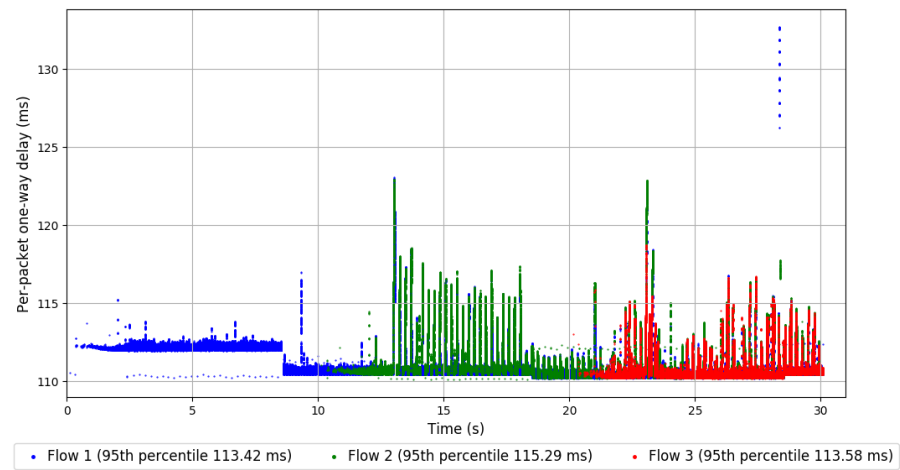
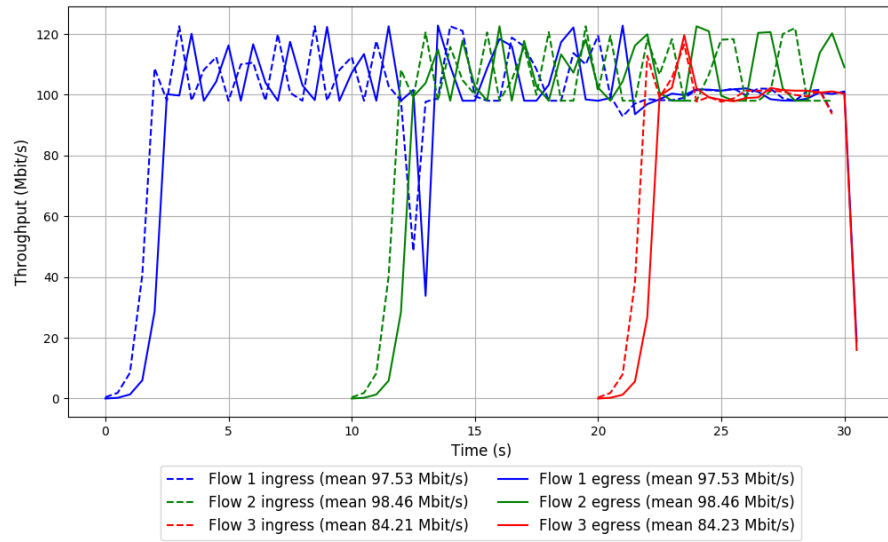


Run 7: Statistics of TCP BBR

Start at: 2018-05-30 15:17:18
End at: 2018-05-30 15:17:48
Local clock offset: 0.052 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-05-30 16:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.67 Mbit/s
95th percentile per-packet one-way delay: 114.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.53 Mbit/s
95th percentile per-packet one-way delay: 113.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.46 Mbit/s
95th percentile per-packet one-way delay: 115.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 113.575 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

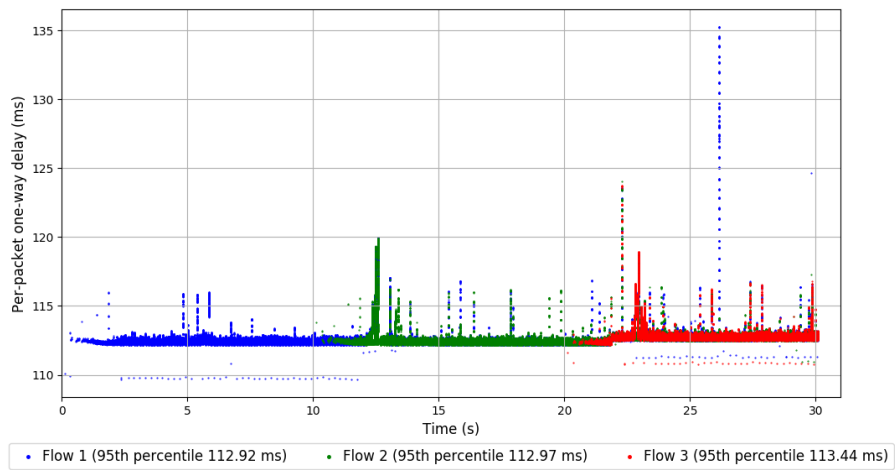
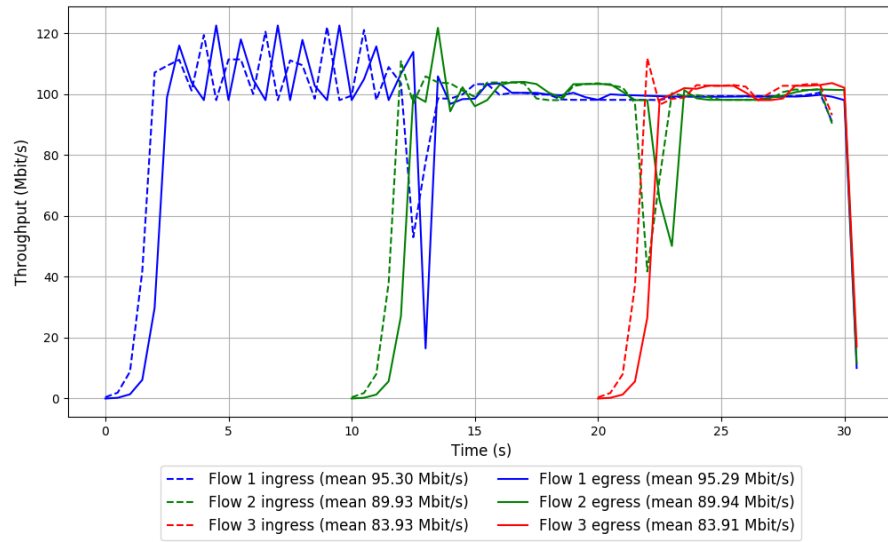


Run 8: Statistics of TCP BBR

Start at: 2018-05-30 15:40:35
End at: 2018-05-30 15:41:05
Local clock offset: -0.195 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-05-30 16:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.04 Mbit/s
95th percentile per-packet one-way delay: 112.992 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 112.918 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 112.972 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 113.441 ms
Loss rate: 0.02%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-30 16:04:26

End at: 2018-05-30 16:04:56

Local clock offset: -0.097 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-30 16:46:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.53 Mbit/s

95th percentile per-packet one-way delay: 114.461 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 113.472 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 114.961 ms

Loss rate: 0.09%

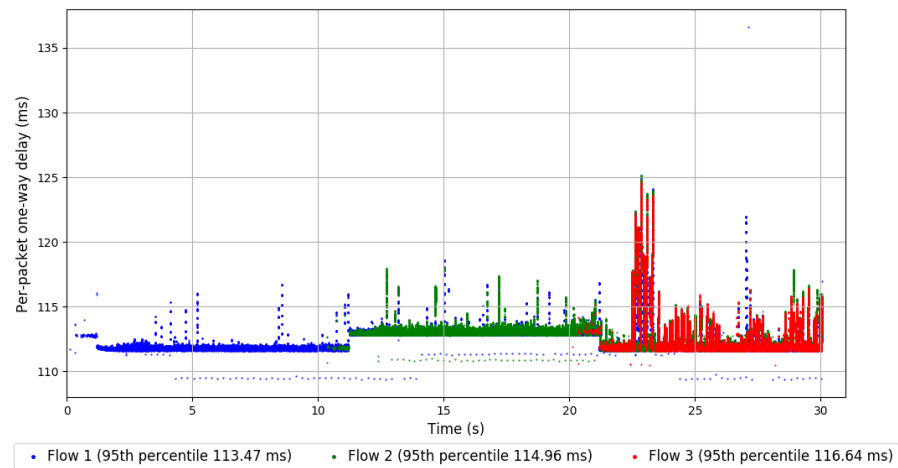
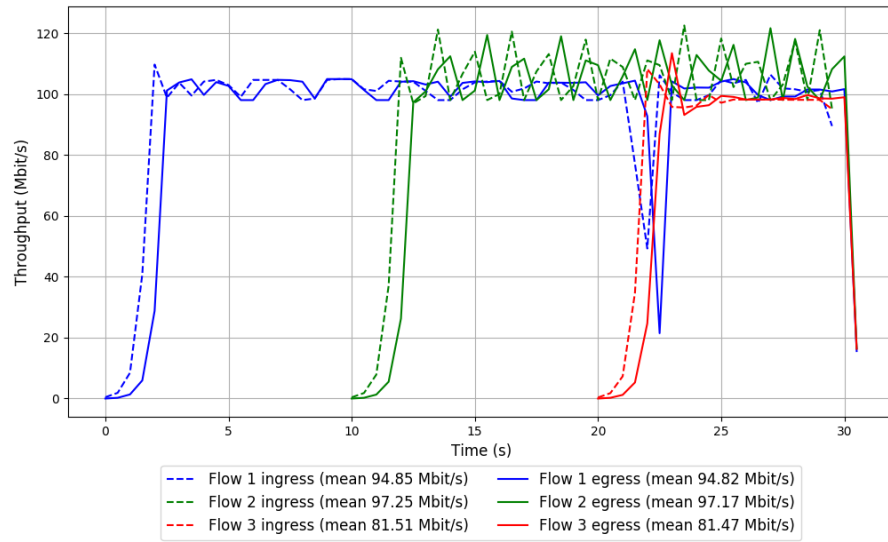
-- Flow 3:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 116.642 ms

Loss rate: 0.07%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-30 16:28:12

End at: 2018-05-30 16:28:42

Local clock offset: -0.131 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-05-30 16:46:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.77 Mbit/s

95th percentile per-packet one-way delay: 112.840 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.66 Mbit/s

95th percentile per-packet one-way delay: 112.789 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 111.562 ms

Loss rate: 0.00%

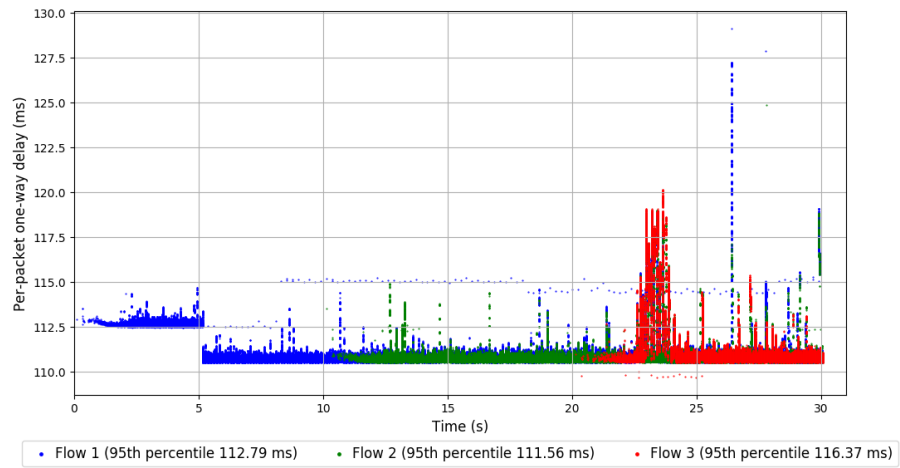
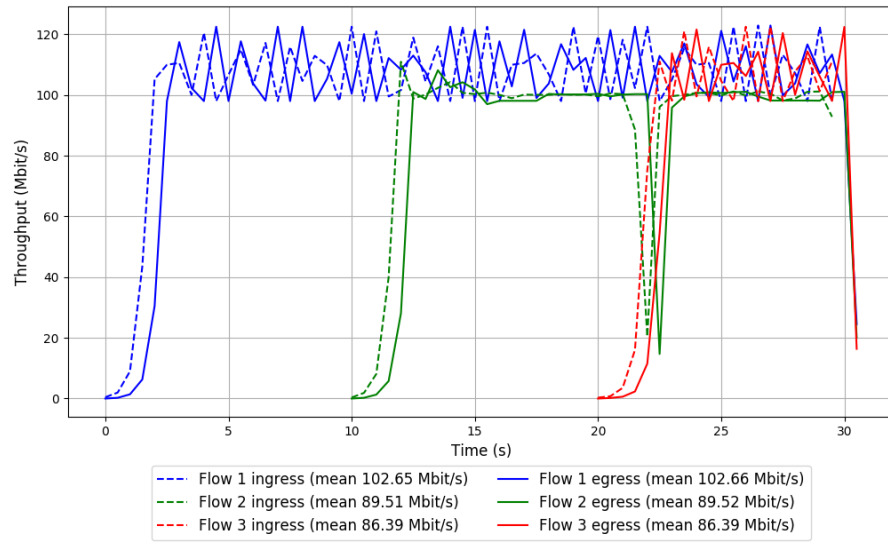
-- Flow 3:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 116.372 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

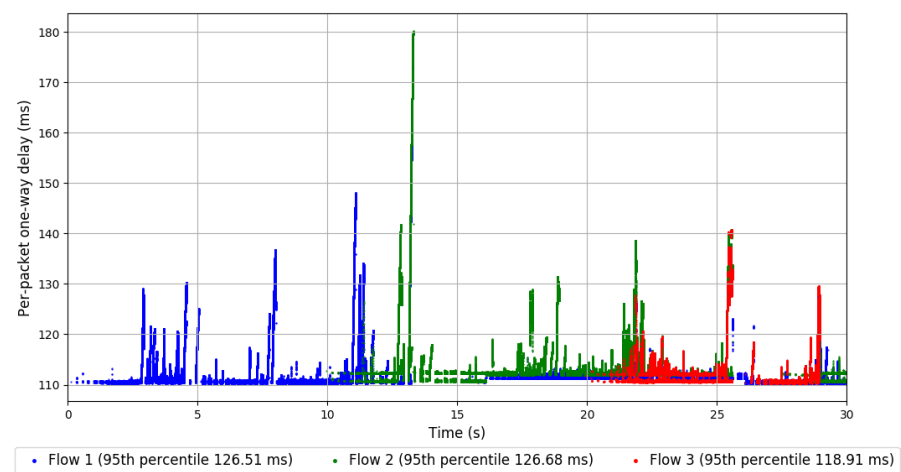
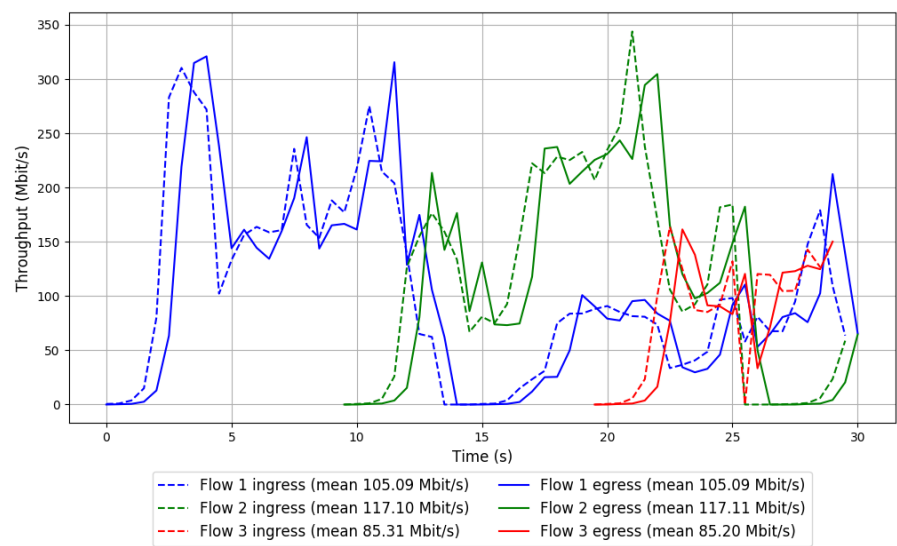


Run 1: Statistics of Copa

Start at: 2018-05-30 12:33:31
End at: 2018-05-30 12:34:01
Local clock offset: -0.148 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-05-30 16:50:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.26 Mbit/s
95th percentile per-packet one-way delay: 126.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.09 Mbit/s
95th percentile per-packet one-way delay: 126.506 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.11 Mbit/s
95th percentile per-packet one-way delay: 126.680 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 118.910 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

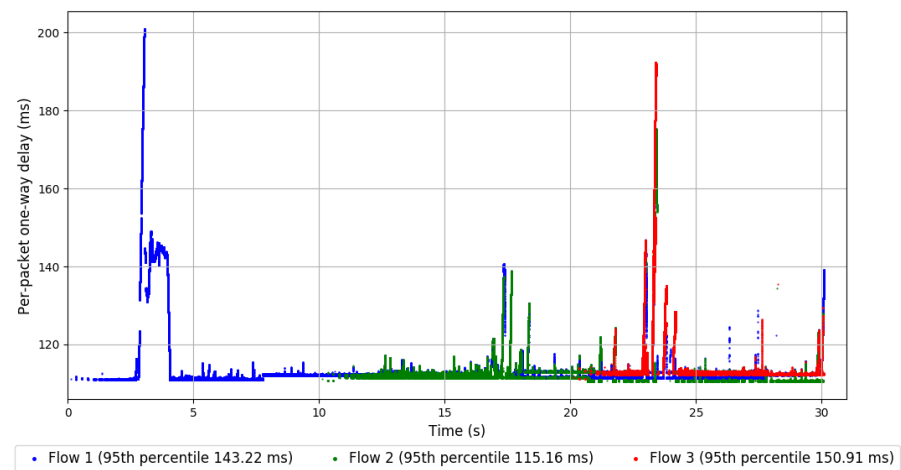
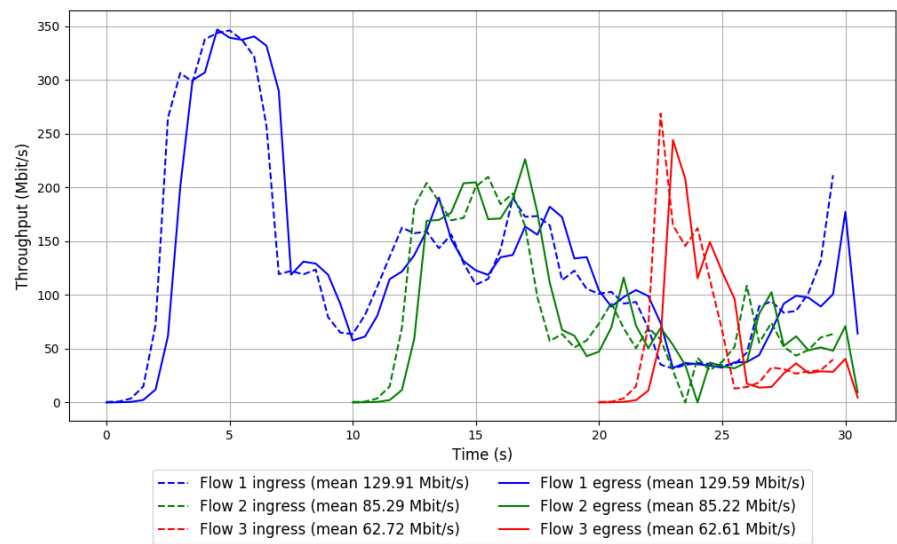


Run 2: Statistics of Copa

Start at: 2018-05-30 12:57:19
End at: 2018-05-30 12:57:49
Local clock offset: -0.183 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-05-30 16:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.05 Mbit/s
95th percentile per-packet one-way delay: 142.034 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 129.59 Mbit/s
95th percentile per-packet one-way delay: 143.217 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 115.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 150.908 ms
Loss rate: 0.17%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-30 13:20:46

End at: 2018-05-30 13:21:16

Local clock offset: 0.102 ms

Remote clock offset: 0.258 ms

Below is generated by plot.py at 2018-05-30 16:50:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.72 Mbit/s

95th percentile per-packet one-way delay: 125.544 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 135.015 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.75 Mbit/s

95th percentile per-packet one-way delay: 116.112 ms

Loss rate: 0.01%

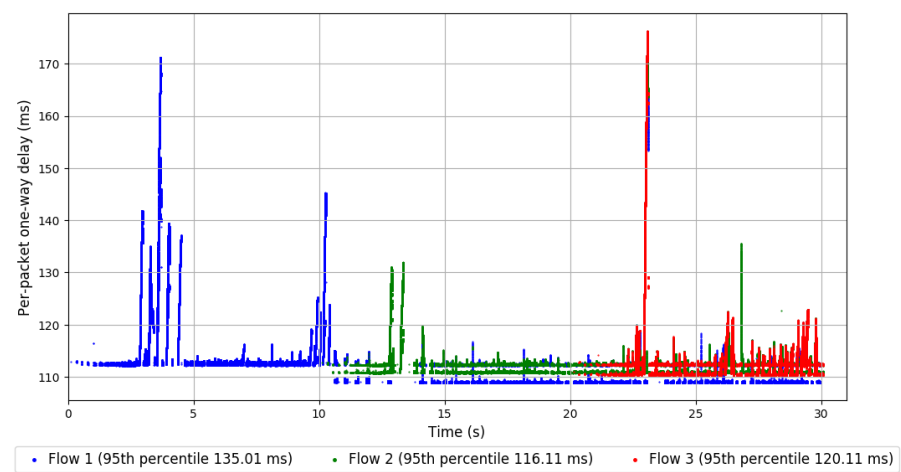
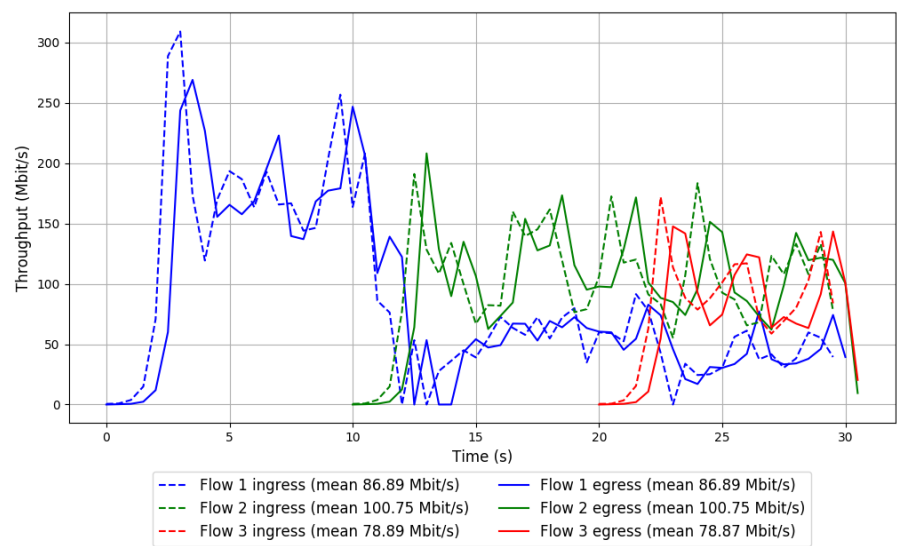
-- Flow 3:

Average throughput: 78.87 Mbit/s

95th percentile per-packet one-way delay: 120.114 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-30 13:44:25

End at: 2018-05-30 13:44:55

Local clock offset: 0.106 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-05-30 16:50:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.26 Mbit/s

95th percentile per-packet one-way delay: 128.357 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 131.74 Mbit/s

95th percentile per-packet one-way delay: 129.971 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.76 Mbit/s

95th percentile per-packet one-way delay: 118.642 ms

Loss rate: 0.00%

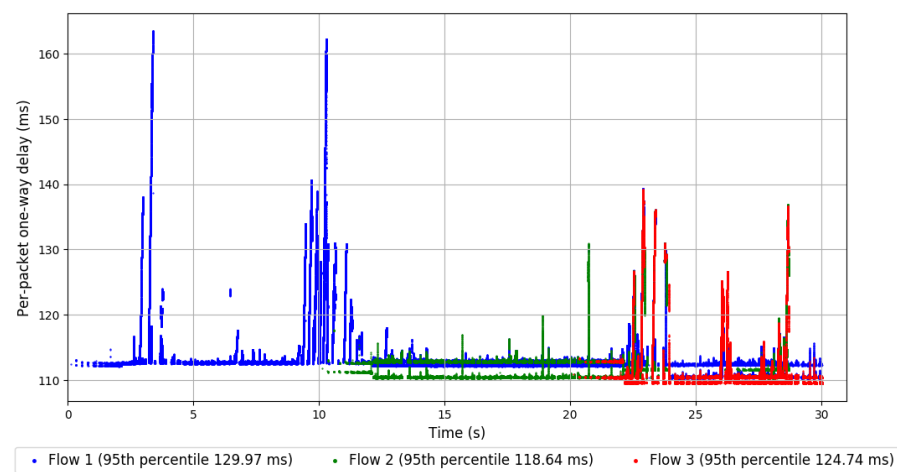
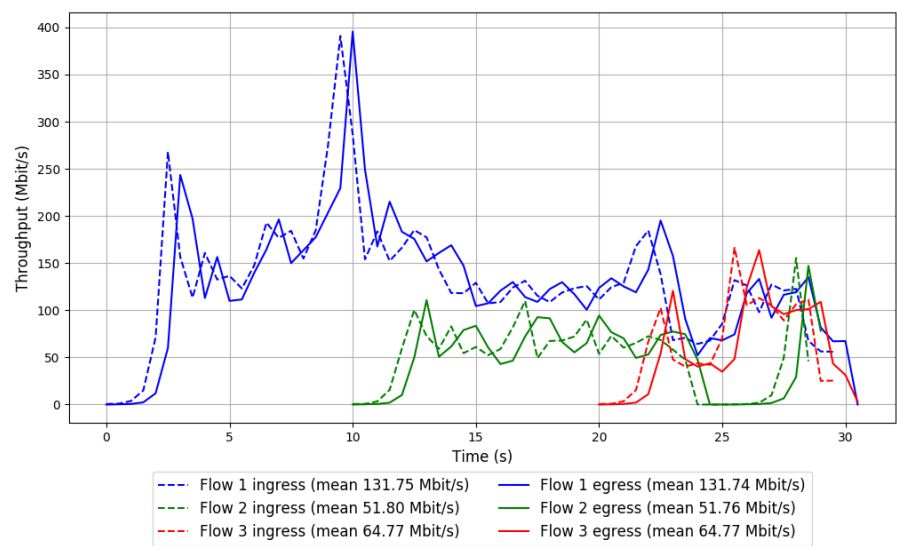
-- Flow 3:

Average throughput: 64.77 Mbit/s

95th percentile per-packet one-way delay: 124.744 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

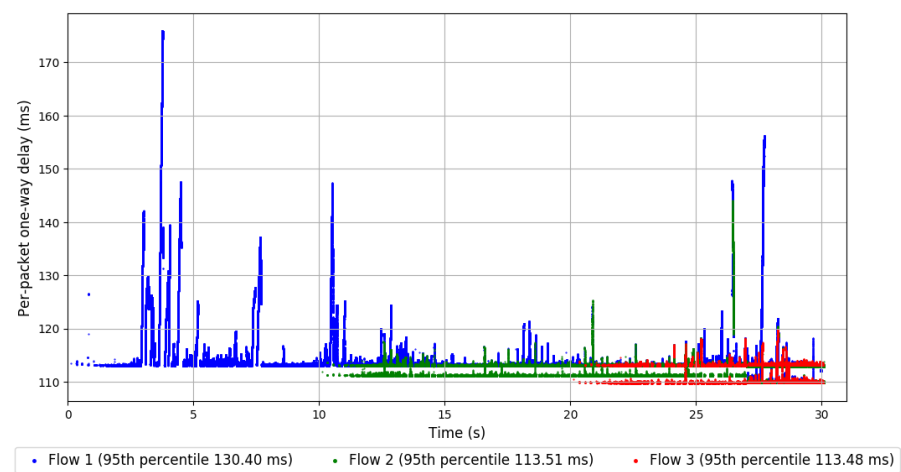
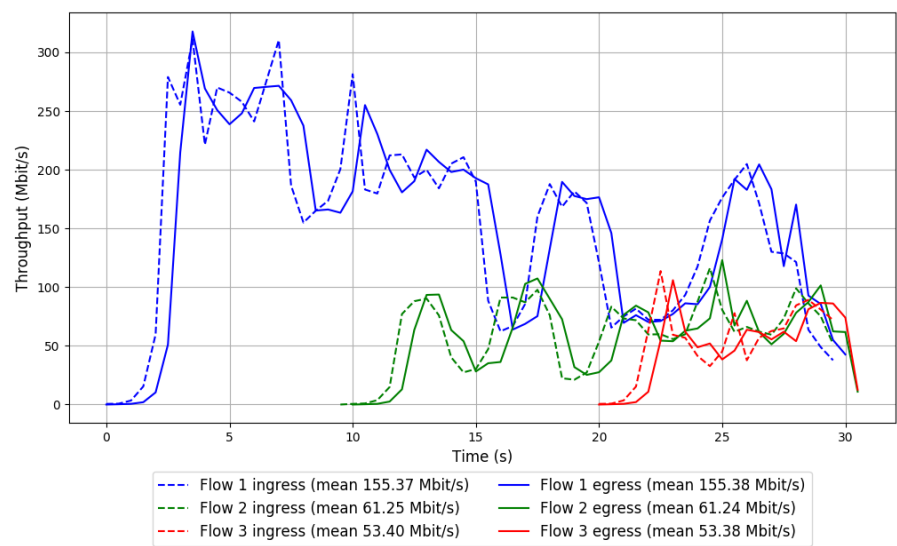


Run 5: Statistics of Copa

Start at: 2018-05-30 14:07:50
End at: 2018-05-30 14:08:20
Local clock offset: -0.089 ms
Remote clock offset: 0.325 ms

```
# Below is generated by plot.py at 2018-05-30 16:50:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 213.33 Mbit/s
95th percentile per-packet one-way delay: 126.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.38 Mbit/s
95th percentile per-packet one-way delay: 130.401 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.24 Mbit/s
95th percentile per-packet one-way delay: 113.506 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: 113.483 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

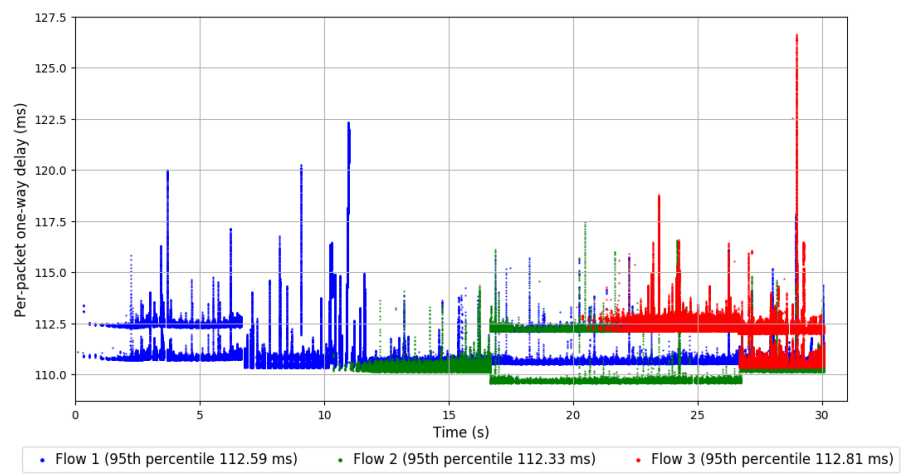
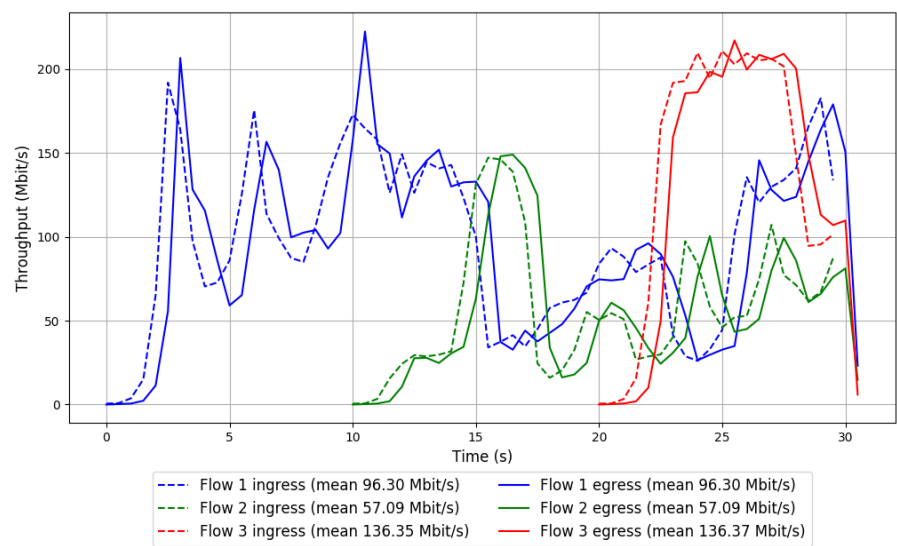


Run 6: Statistics of Copa

Start at: 2018-05-30 14:31:20
End at: 2018-05-30 14:31:50
Local clock offset: 0.079 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-30 16:50:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.49 Mbit/s
95th percentile per-packet one-way delay: 112.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 112.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 112.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.37 Mbit/s
95th percentile per-packet one-way delay: 112.813 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

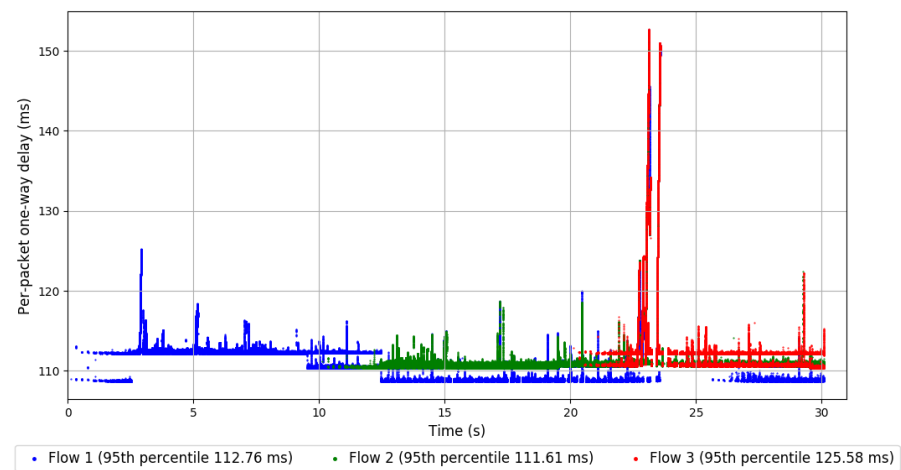
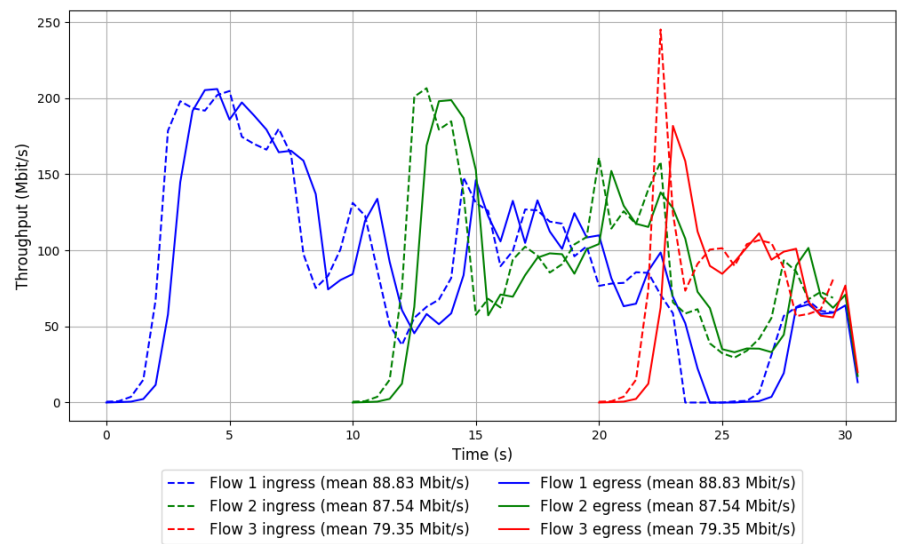


Run 7: Statistics of Copa

Start at: 2018-05-30 14:55:07
End at: 2018-05-30 14:55:37
Local clock offset: -0.04 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-30 16:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 173.48 Mbit/s
95th percentile per-packet one-way delay: 113.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.83 Mbit/s
95th percentile per-packet one-way delay: 112.764 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 111.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.35 Mbit/s
95th percentile per-packet one-way delay: 125.578 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

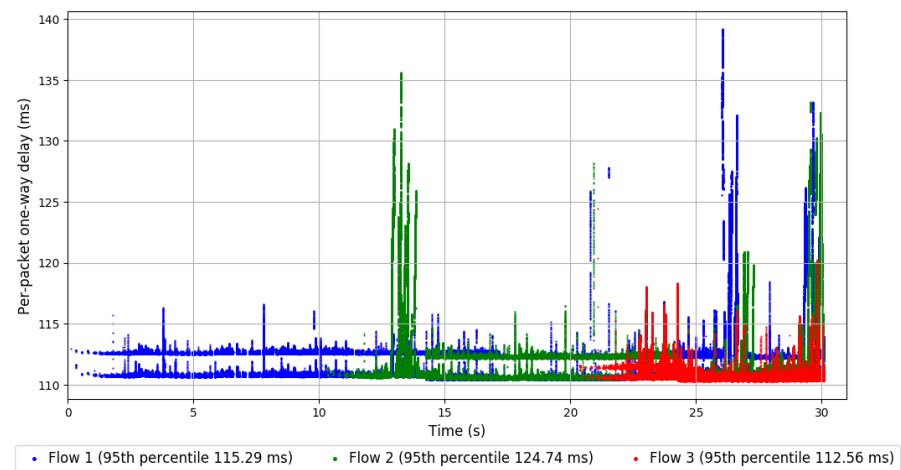
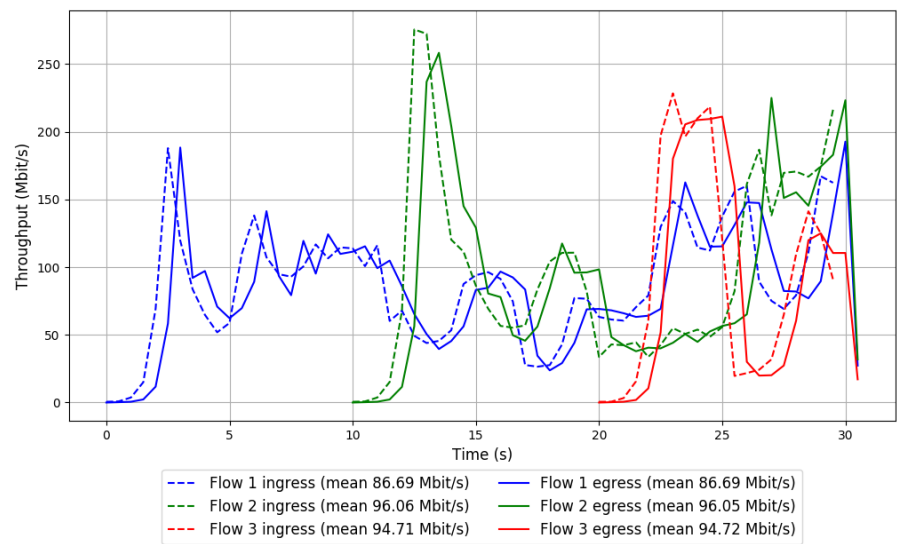


Run 8: Statistics of Copa

Start at: 2018-05-30 15:18:43
End at: 2018-05-30 15:19:13
Local clock offset: -0.118 ms
Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-05-30 16:53:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.01 Mbit/s
95th percentile per-packet one-way delay: 119.454 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 115.289 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 124.738 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 112.556 ms
Loss rate: 0.01%

Run 8: Report of Copa — Data Link

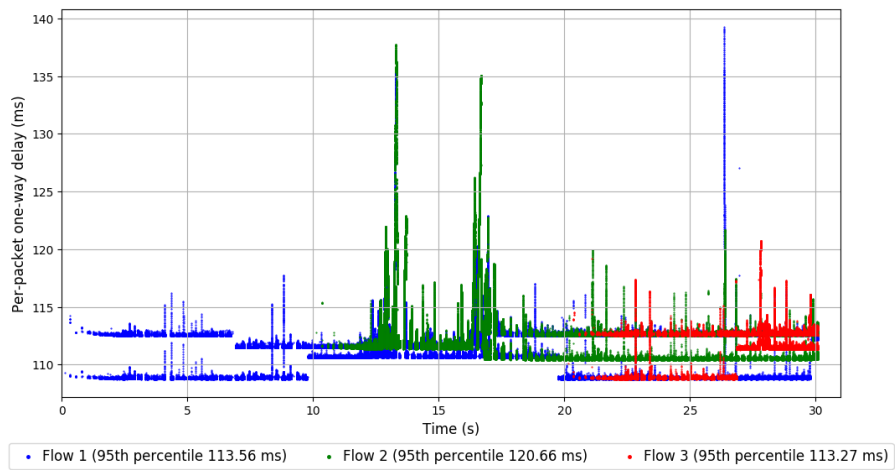
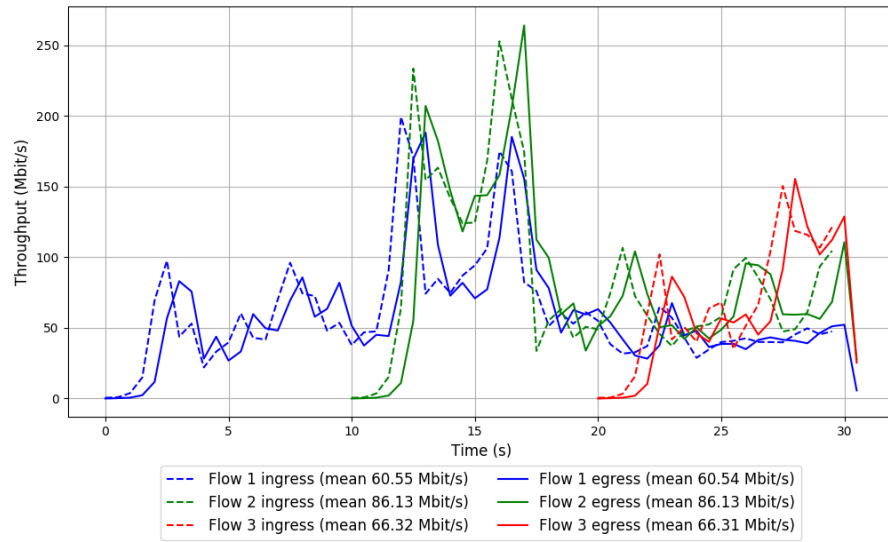


Run 9: Statistics of Copa

Start at: 2018-05-30 15:42:00
End at: 2018-05-30 15:42:30
Local clock offset: -0.222 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-05-30 16:54:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.87 Mbit/s
95th percentile per-packet one-way delay: 116.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 113.561 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 120.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.31 Mbit/s
95th percentile per-packet one-way delay: 113.268 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

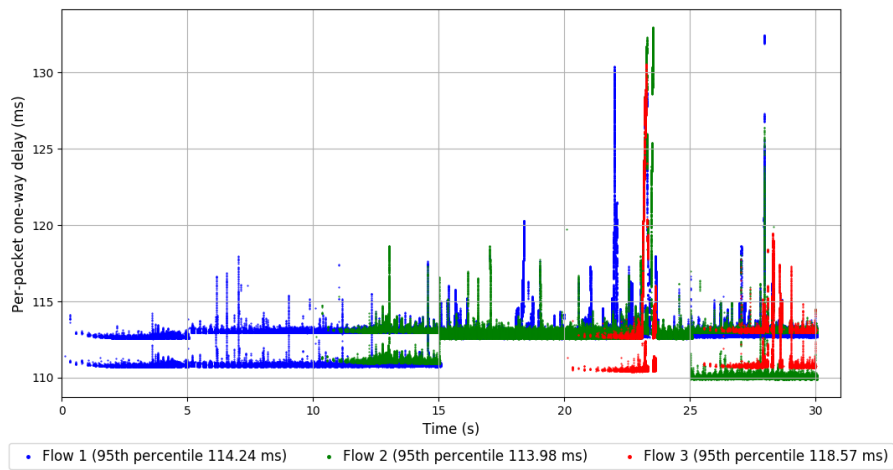
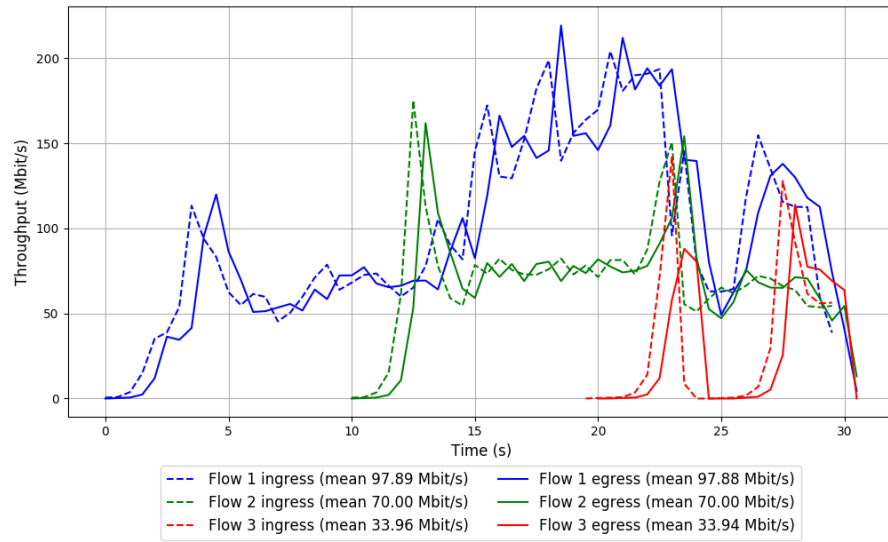


Run 10: Statistics of Copa

Start at: 2018-05-30 16:05:52
End at: 2018-05-30 16:06:22
Local clock offset: -0.336 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-30 16:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.75 Mbit/s
95th percentile per-packet one-way delay: 114.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.88 Mbit/s
95th percentile per-packet one-way delay: 114.242 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 113.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 118.568 ms
Loss rate: 0.03%

Run 10: Report of Copa — Data Link

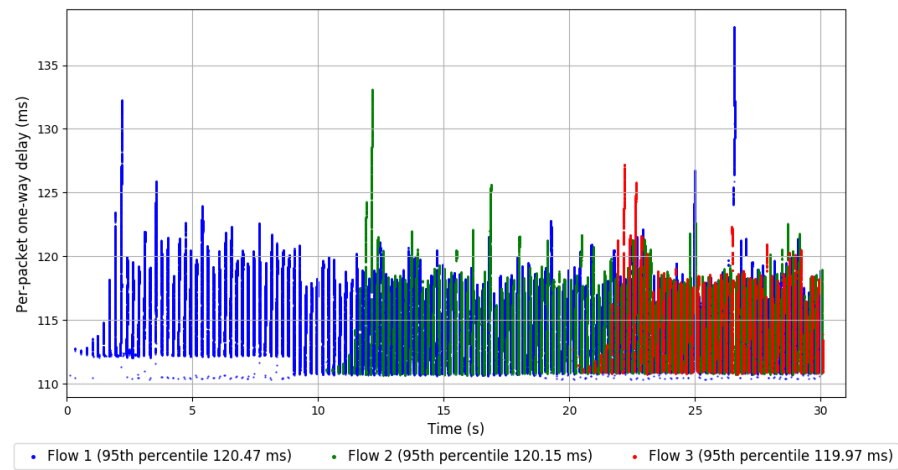
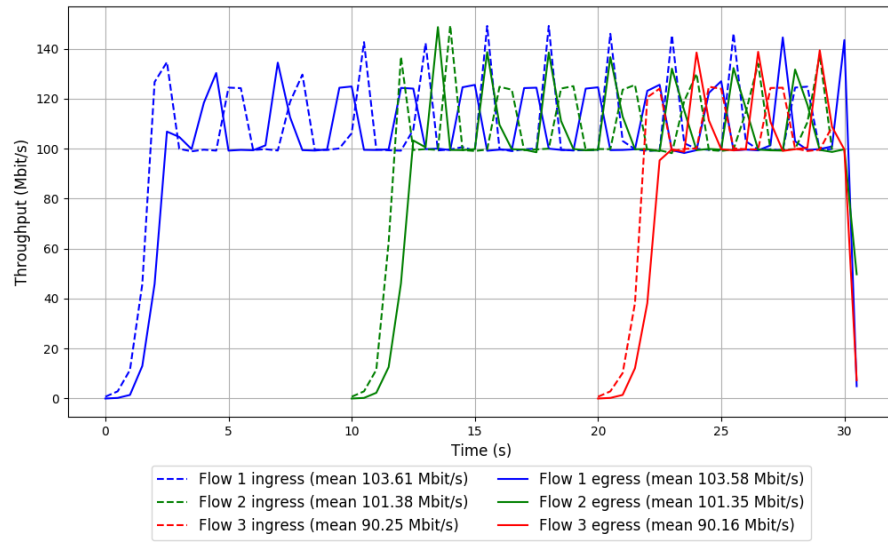


Run 1: Statistics of TCP Cubic

Start at: 2018-05-30 12:44:58
End at: 2018-05-30 12:45:28
Local clock offset: -0.123 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-05-30 16:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.67 Mbit/s
95th percentile per-packet one-way delay: 120.295 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 103.58 Mbit/s
95th percentile per-packet one-way delay: 120.471 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.35 Mbit/s
95th percentile per-packet one-way delay: 120.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 119.975 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link

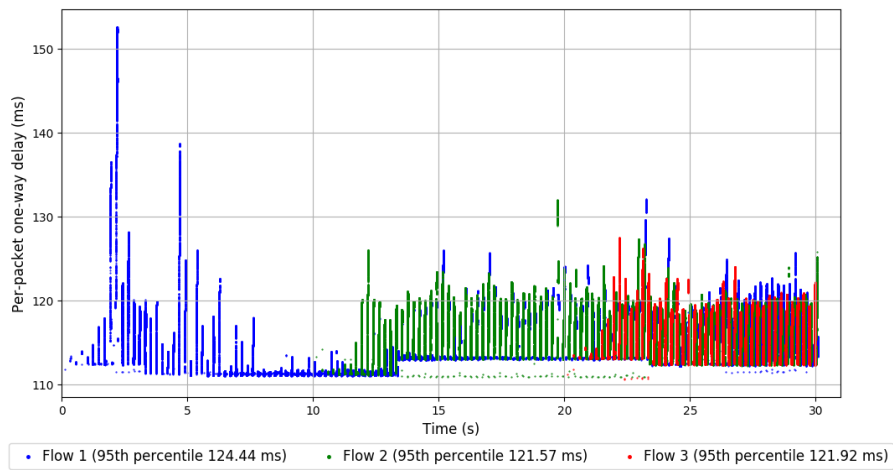
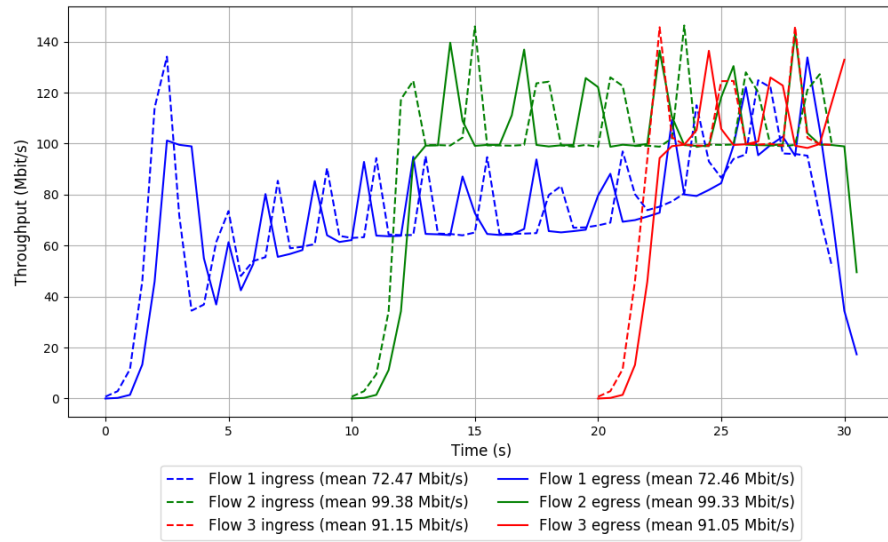


Run 2: Statistics of TCP Cubic

Start at: 2018-05-30 13:08:43
End at: 2018-05-30 13:09:13
Local clock offset: -0.404 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-05-30 16:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.51 Mbit/s
95th percentile per-packet one-way delay: 122.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 124.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.33 Mbit/s
95th percentile per-packet one-way delay: 121.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 121.918 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-30 13:32:04

End at: 2018-05-30 13:32:34

Local clock offset: -0.076 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-05-30 16:54:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.89 Mbit/s

95th percentile per-packet one-way delay: 119.953 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 120.240 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.49 Mbit/s

95th percentile per-packet one-way delay: 119.639 ms

Loss rate: 0.00%

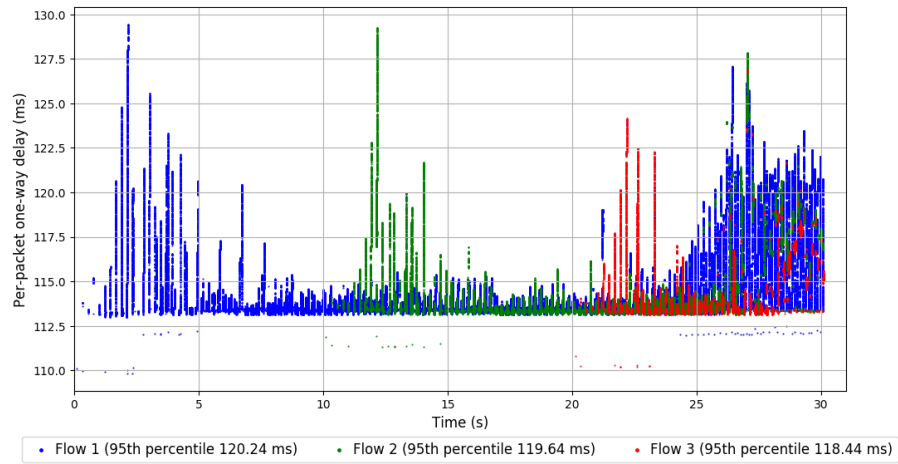
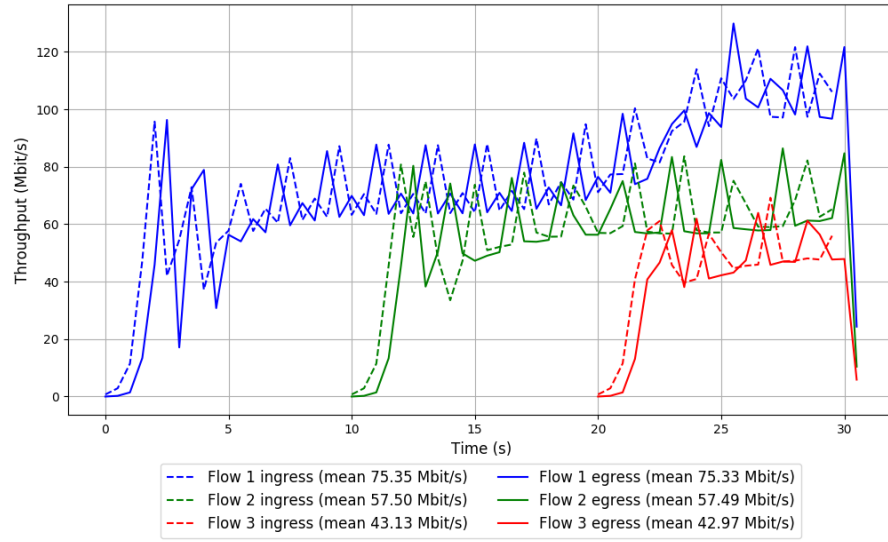
-- Flow 3:

Average throughput: 42.97 Mbit/s

95th percentile per-packet one-way delay: 118.445 ms

Loss rate: 0.34%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-30 13:55:46

End at: 2018-05-30 13:56:16

Local clock offset: -0.109 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-05-30 16:54:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.75 Mbit/s

95th percentile per-packet one-way delay: 118.935 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 105.39 Mbit/s

95th percentile per-packet one-way delay: 119.107 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.14 Mbit/s

95th percentile per-packet one-way delay: 119.628 ms

Loss rate: 0.00%

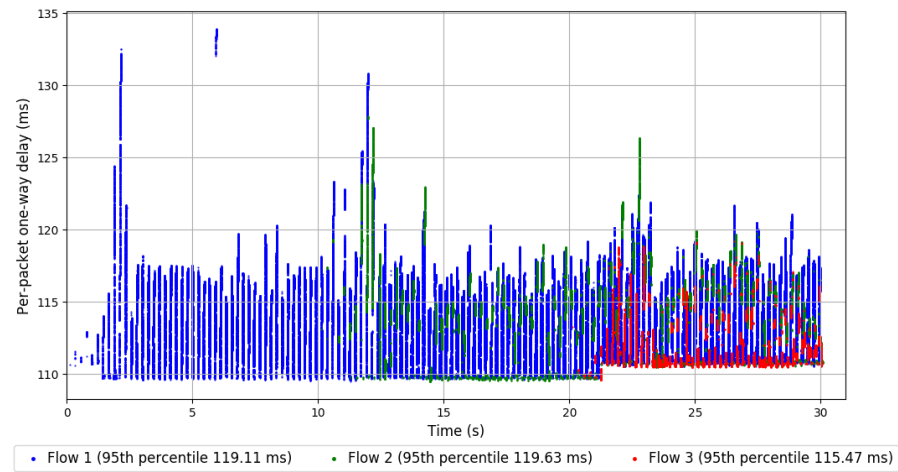
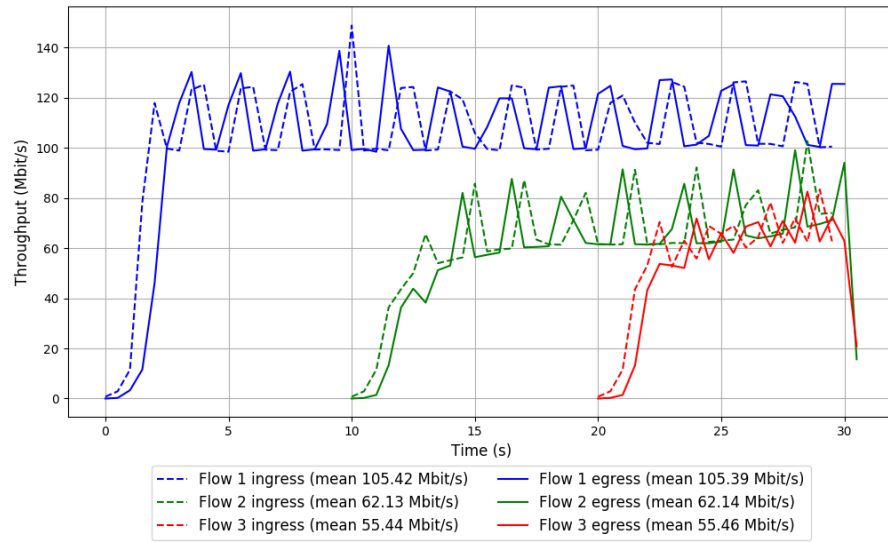
-- Flow 3:

Average throughput: 55.46 Mbit/s

95th percentile per-packet one-way delay: 115.474 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

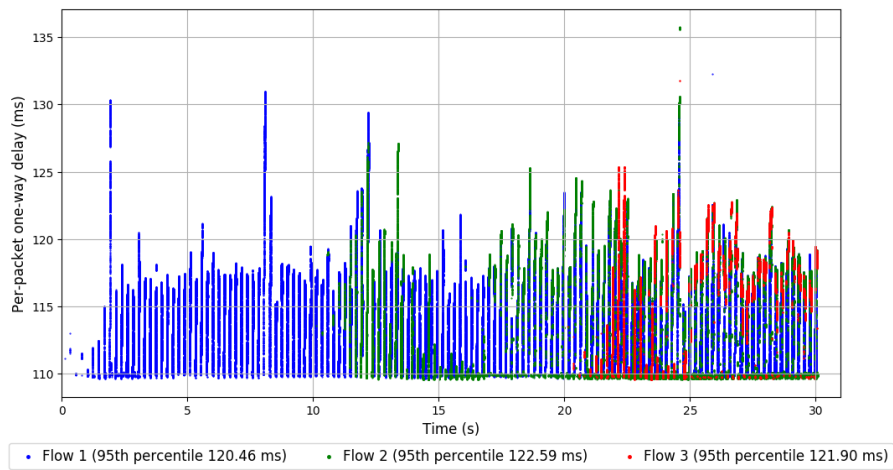
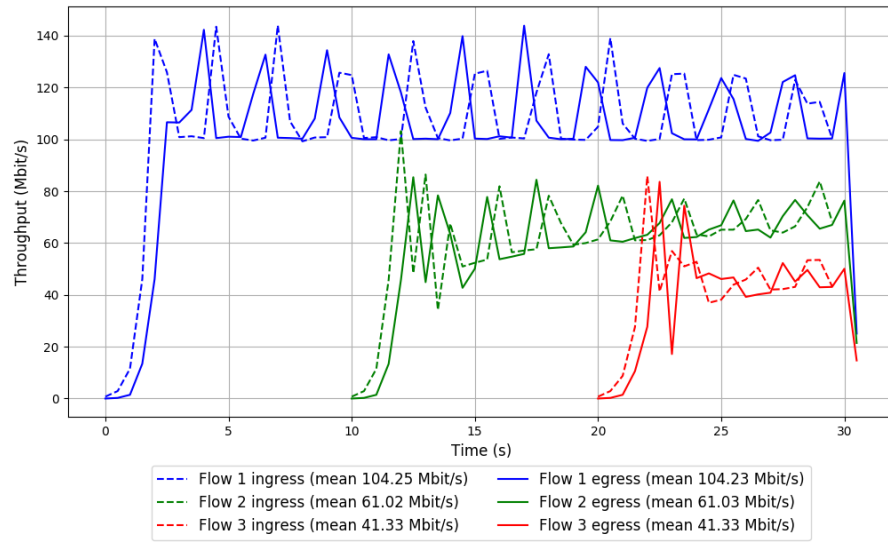


Run 5: Statistics of TCP Cubic

Start at: 2018-05-30 14:19:06
End at: 2018-05-30 14:19:36
Local clock offset: -0.278 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-30 16:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.41 Mbit/s
95th percentile per-packet one-way delay: 121.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.23 Mbit/s
95th percentile per-packet one-way delay: 120.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.03 Mbit/s
95th percentile per-packet one-way delay: 122.591 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 121.898 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

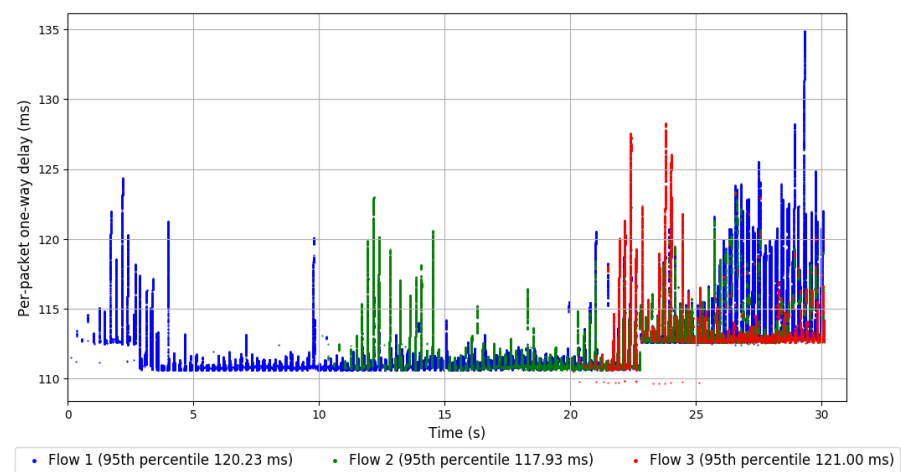
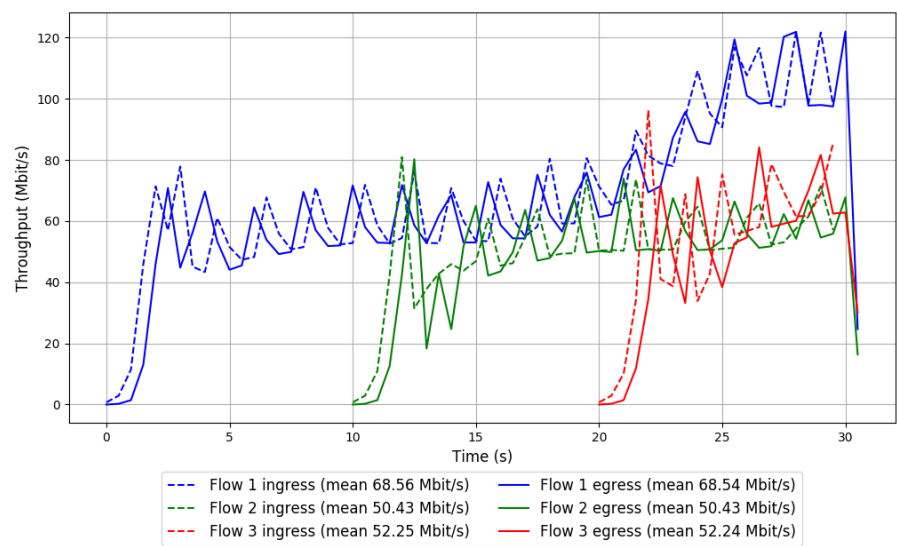


Run 6: Statistics of TCP Cubic

Start at: 2018-05-30 14:42:54
End at: 2018-05-30 14:43:24
Local clock offset: -0.211 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-30 16:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.34 Mbit/s
95th percentile per-packet one-way delay: 119.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.54 Mbit/s
95th percentile per-packet one-way delay: 120.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 117.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.24 Mbit/s
95th percentile per-packet one-way delay: 120.997 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

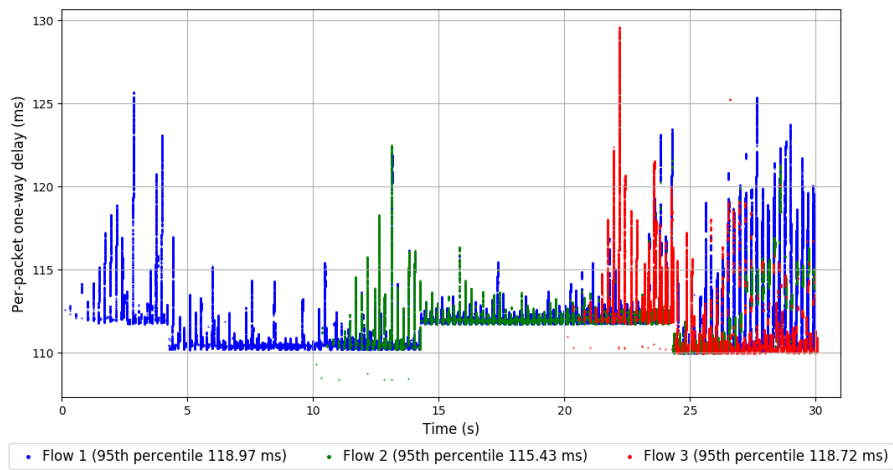
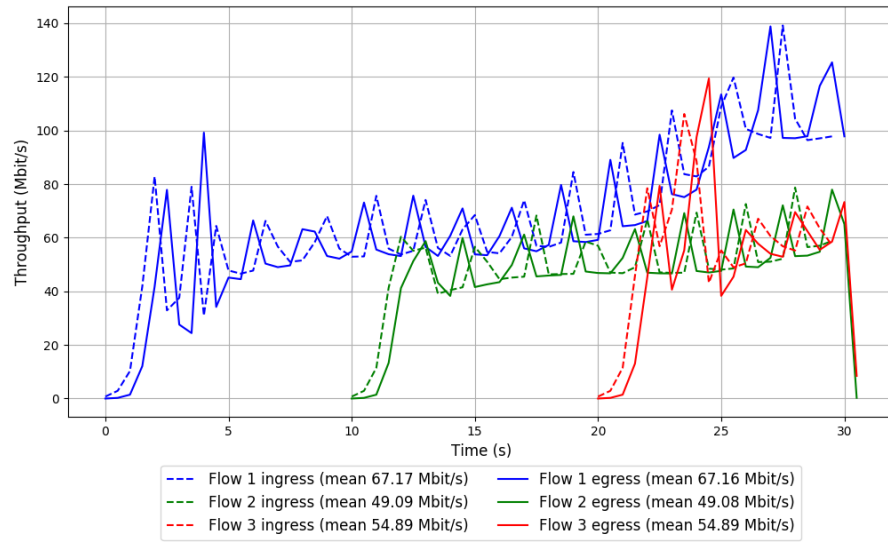


Run 7: Statistics of TCP Cubic

Start at: 2018-05-30 15:06:33
End at: 2018-05-30 15:07:03
Local clock offset: -0.092 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-05-30 16:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 117.74 Mbit/s
95th percentile per-packet one-way delay: 118.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.16 Mbit/s
95th percentile per-packet one-way delay: 118.974 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.08 Mbit/s
95th percentile per-packet one-way delay: 115.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.89 Mbit/s
95th percentile per-packet one-way delay: 118.716 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

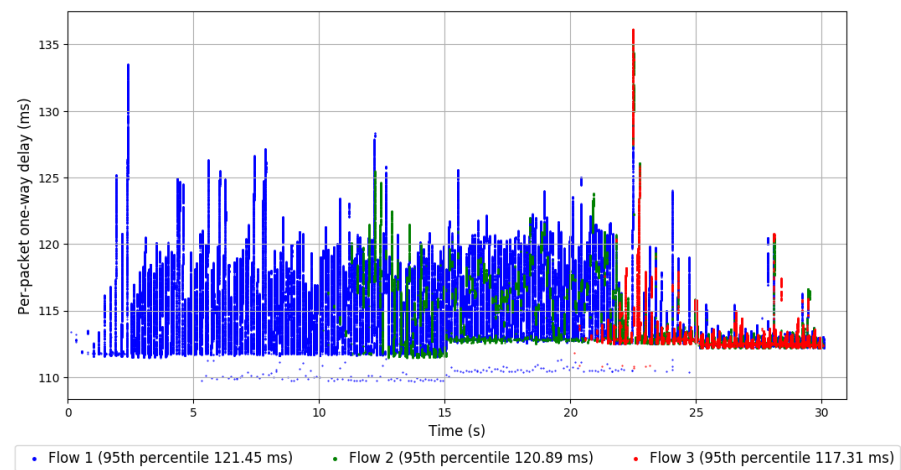
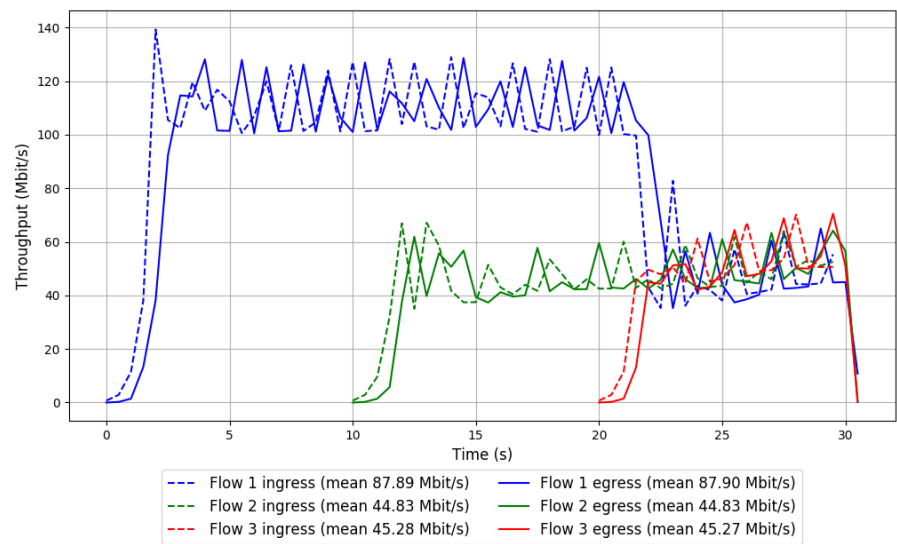


Run 8: Statistics of TCP Cubic

Start at: 2018-05-30 15:30:02
End at: 2018-05-30 15:30:32
Local clock offset: -0.209 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-05-30 16:55:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.70 Mbit/s
95th percentile per-packet one-way delay: 121.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.90 Mbit/s
95th percentile per-packet one-way delay: 121.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 120.888 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 117.309 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

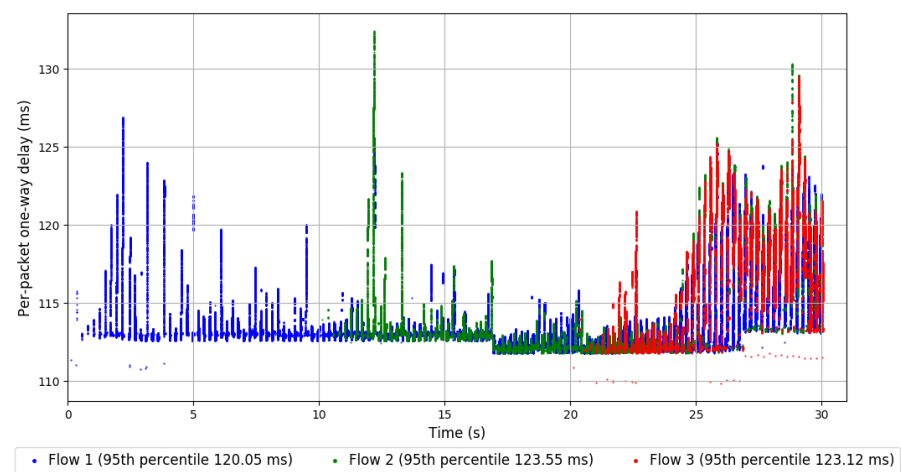
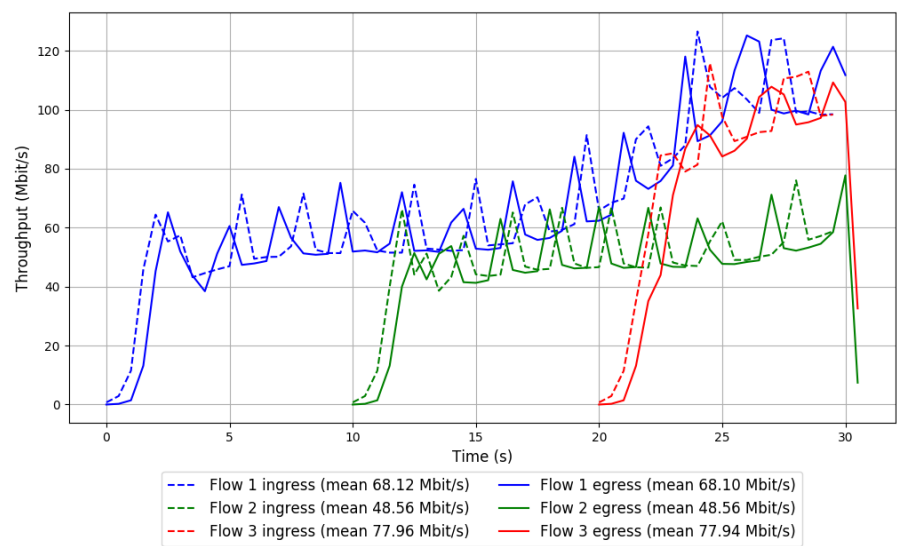


Run 9: Statistics of TCP Cubic

Start at: 2018-05-30 15:53:30
End at: 2018-05-30 15:54:00
Local clock offset: -0.319 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-05-30 16:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.10 Mbit/s
95th percentile per-packet one-way delay: 122.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.10 Mbit/s
95th percentile per-packet one-way delay: 120.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 123.552 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 123.120 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

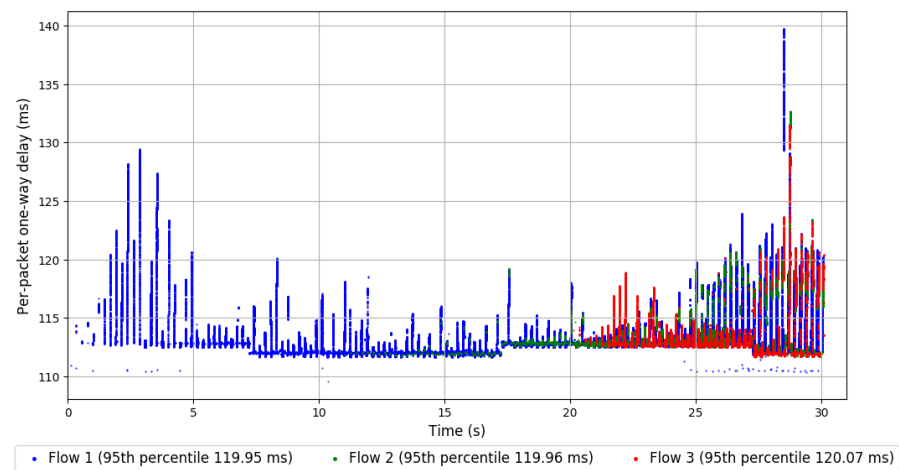
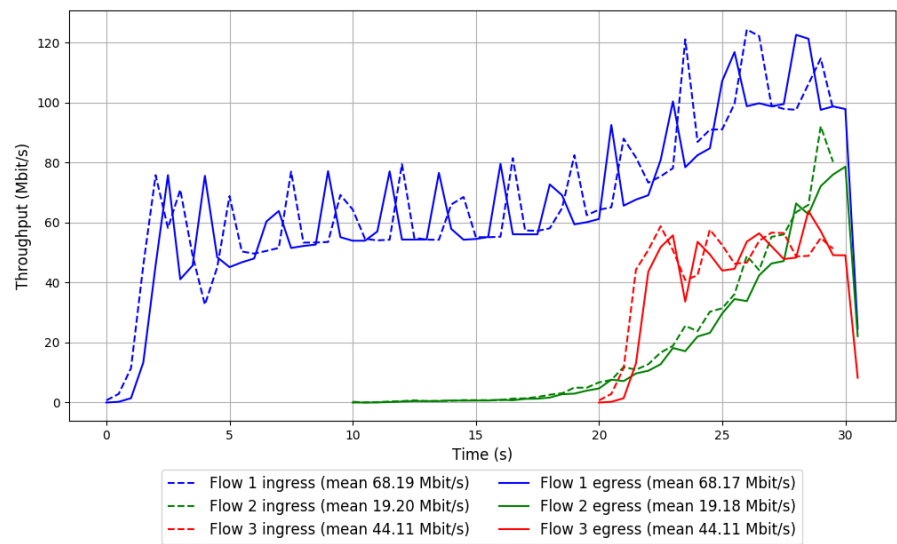


Run 10: Statistics of TCP Cubic

Start at: 2018-05-30 16:17:30
End at: 2018-05-30 16:18:00
Local clock offset: -0.285 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-30 16:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 119.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.17 Mbit/s
95th percentile per-packet one-way delay: 119.949 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 119.964 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 44.11 Mbit/s
95th percentile per-packet one-way delay: 120.071 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

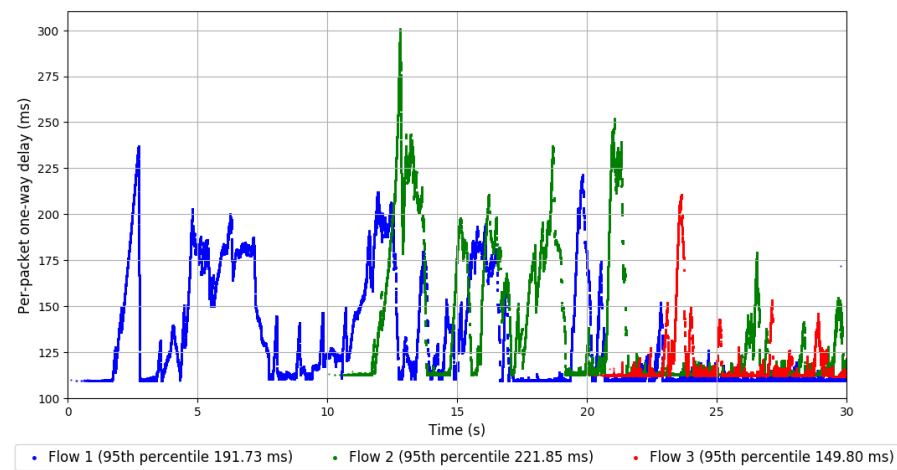
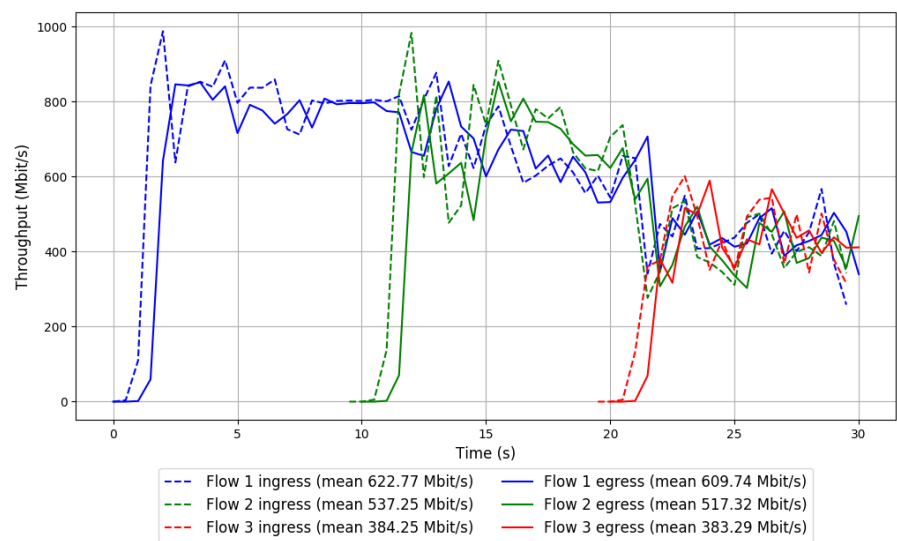


Run 1: Statistics of FillP

Start at: 2018-05-30 12:48:10
End at: 2018-05-30 12:48:40
Local clock offset: -0.209 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-05-30 17:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1081.91 Mbit/s
95th percentile per-packet one-way delay: 198.982 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 609.74 Mbit/s
95th percentile per-packet one-way delay: 191.727 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 517.32 Mbit/s
95th percentile per-packet one-way delay: 221.849 ms
Loss rate: 3.67%
-- Flow 3:
Average throughput: 383.29 Mbit/s
95th percentile per-packet one-way delay: 149.803 ms
Loss rate: 0.26%

Run 1: Report of FillP — Data Link

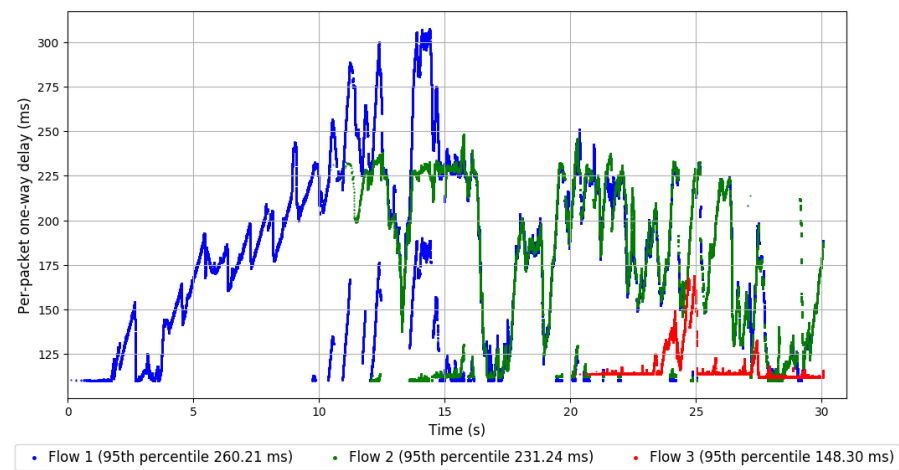
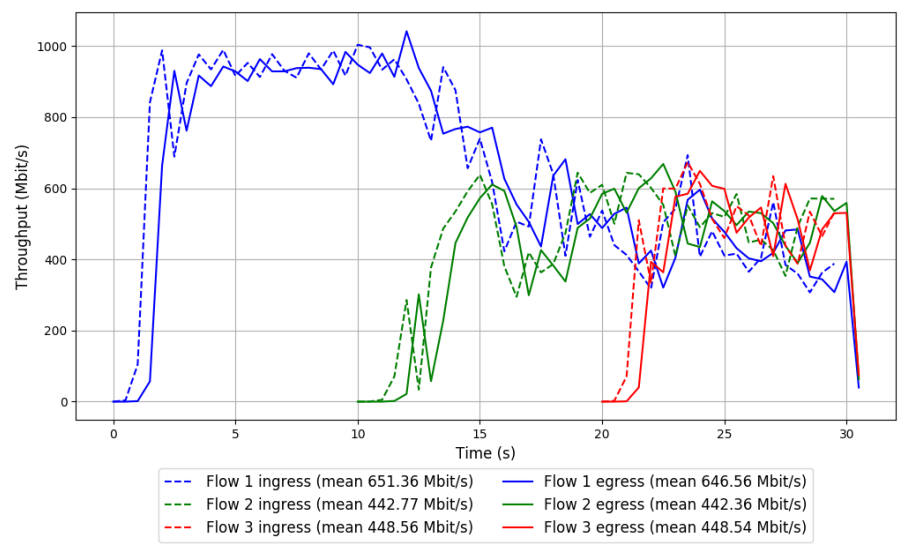


Run 2: Statistics of FillP

Start at: 2018-05-30 13:11:52
End at: 2018-05-30 13:12:22
Local clock offset: -0.139 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-05-30 17:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 1087.80 Mbit/s
95th percentile per-packet one-way delay: 243.843 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 646.56 Mbit/s
95th percentile per-packet one-way delay: 260.210 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 442.36 Mbit/s
95th percentile per-packet one-way delay: 231.243 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 448.54 Mbit/s
95th percentile per-packet one-way delay: 148.300 ms
Loss rate: 0.05%

Run 2: Report of FillP — Data Link

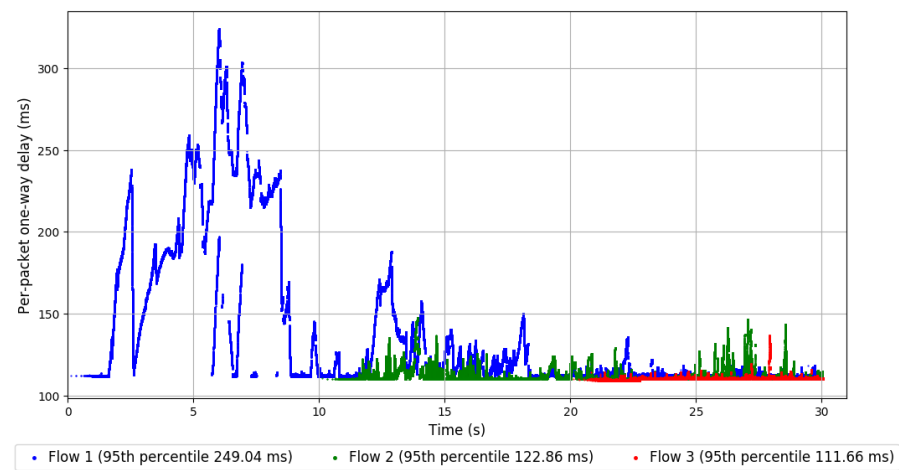
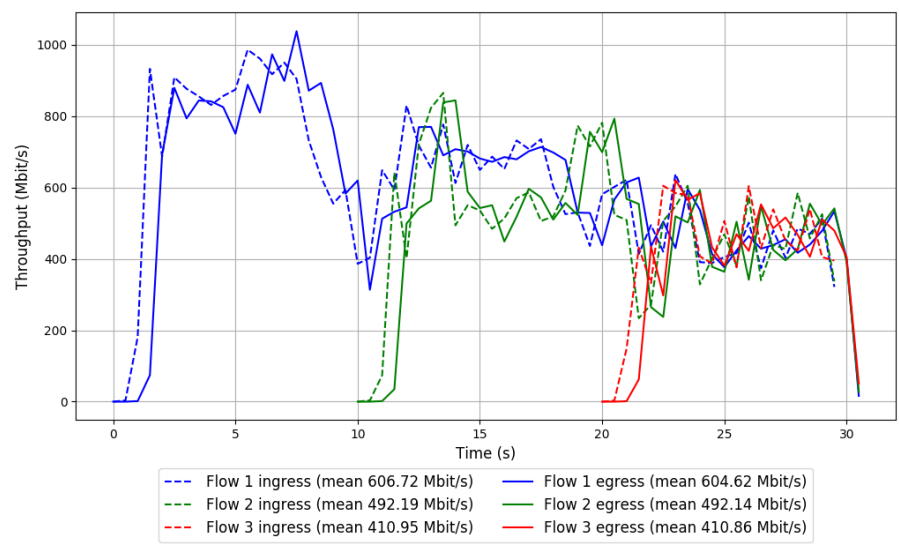


Run 3: Statistics of FillP

Start at: 2018-05-30 13:35:14
End at: 2018-05-30 13:35:44
Local clock offset: 0.064 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-30 17:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 1068.15 Mbit/s
95th percentile per-packet one-way delay: 235.863 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 604.62 Mbit/s
95th percentile per-packet one-way delay: 249.045 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 492.14 Mbit/s
95th percentile per-packet one-way delay: 122.859 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 410.86 Mbit/s
95th percentile per-packet one-way delay: 111.655 ms
Loss rate: 0.04%

Run 3: Report of FillP — Data Link

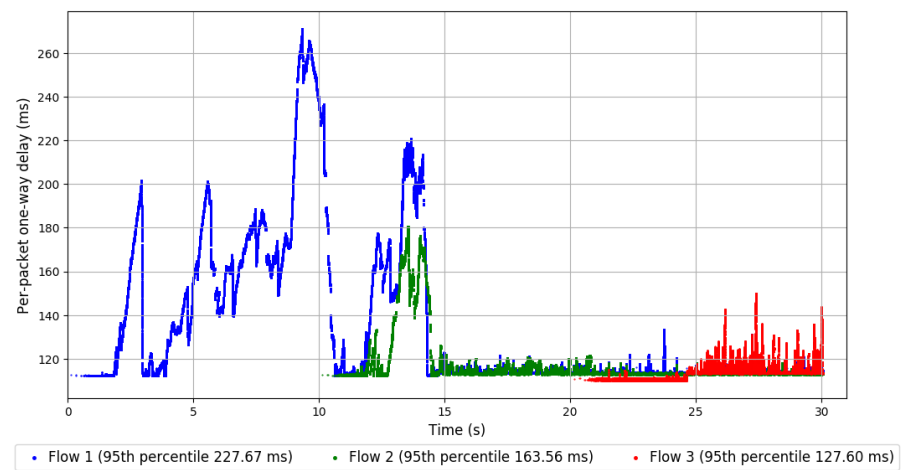
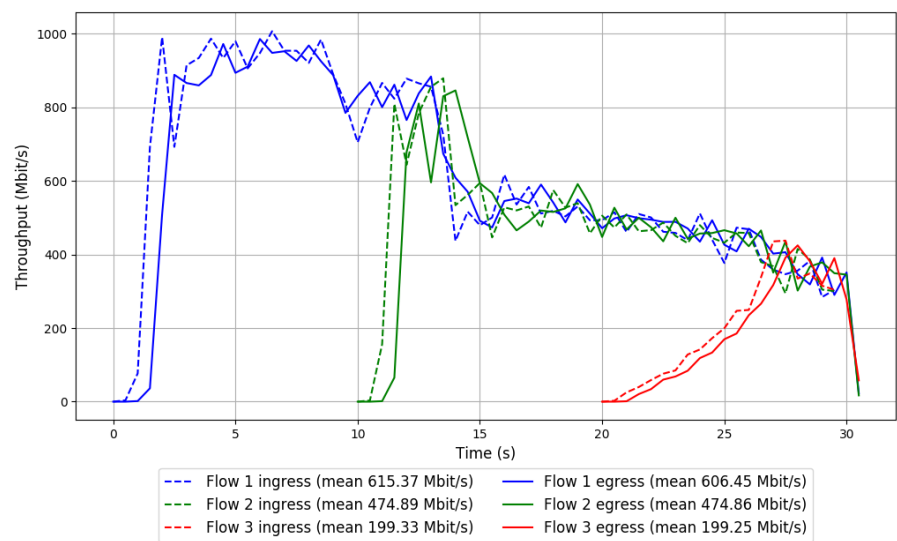


Run 4: Statistics of FillP

Start at: 2018-05-30 13:58:52
End at: 2018-05-30 13:59:22
Local clock offset: -0.304 ms
Remote clock offset: 0.386 ms

Below is generated by plot.py at 2018-05-30 17:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 988.21 Mbit/s
95th percentile per-packet one-way delay: 199.373 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 606.45 Mbit/s
95th percentile per-packet one-way delay: 227.673 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 474.86 Mbit/s
95th percentile per-packet one-way delay: 163.560 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 199.25 Mbit/s
95th percentile per-packet one-way delay: 127.599 ms
Loss rate: 0.05%

Run 4: Report of FillP — Data Link

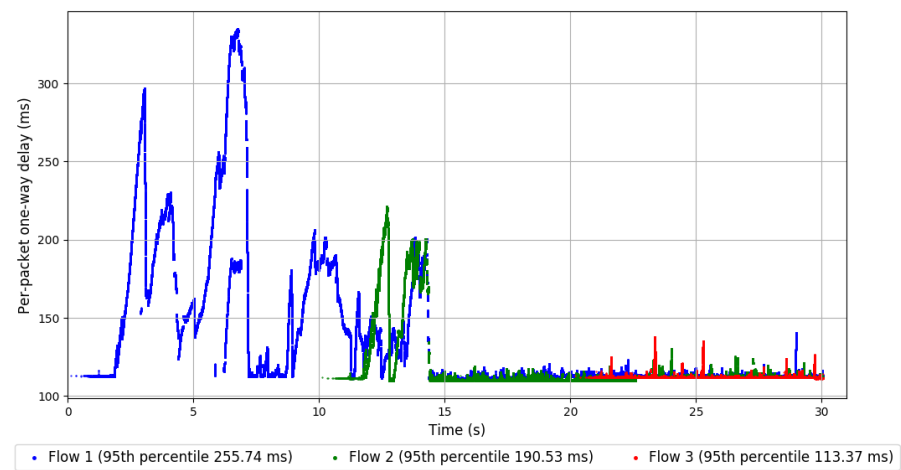
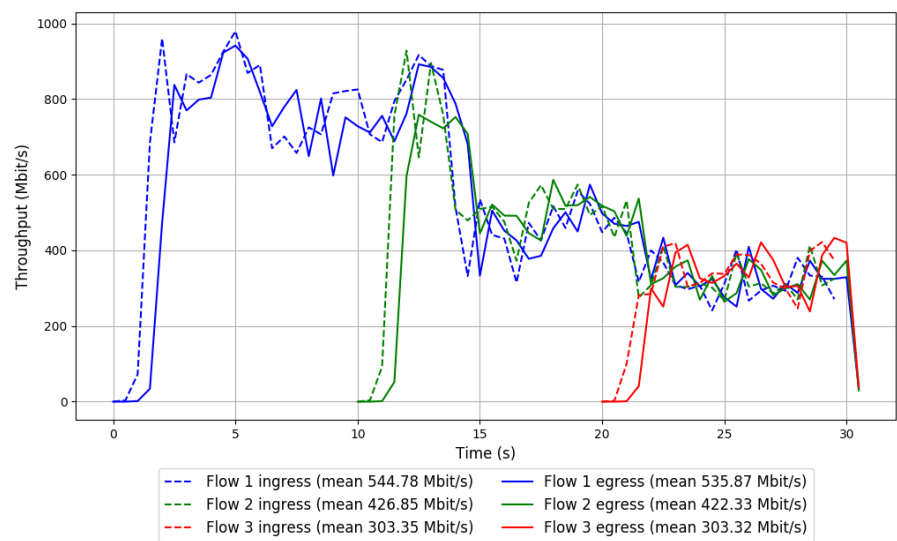


Run 5: Statistics of FillP

Start at: 2018-05-30 14:22:17
End at: 2018-05-30 14:22:47
Local clock offset: -0.121 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-30 17:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 916.85 Mbit/s
95th percentile per-packet one-way delay: 223.425 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 535.87 Mbit/s
95th percentile per-packet one-way delay: 255.735 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 422.33 Mbit/s
95th percentile per-packet one-way delay: 190.527 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 303.32 Mbit/s
95th percentile per-packet one-way delay: 113.374 ms
Loss rate: 0.00%

Run 5: Report of FillP — Data Link

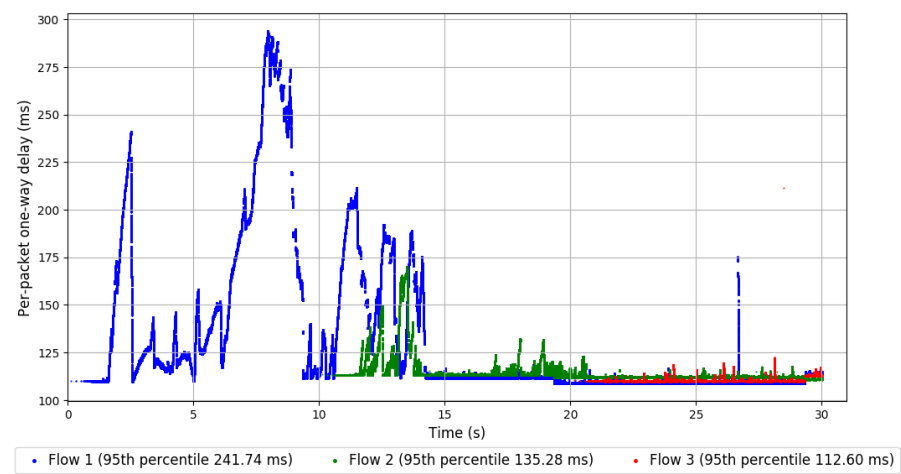
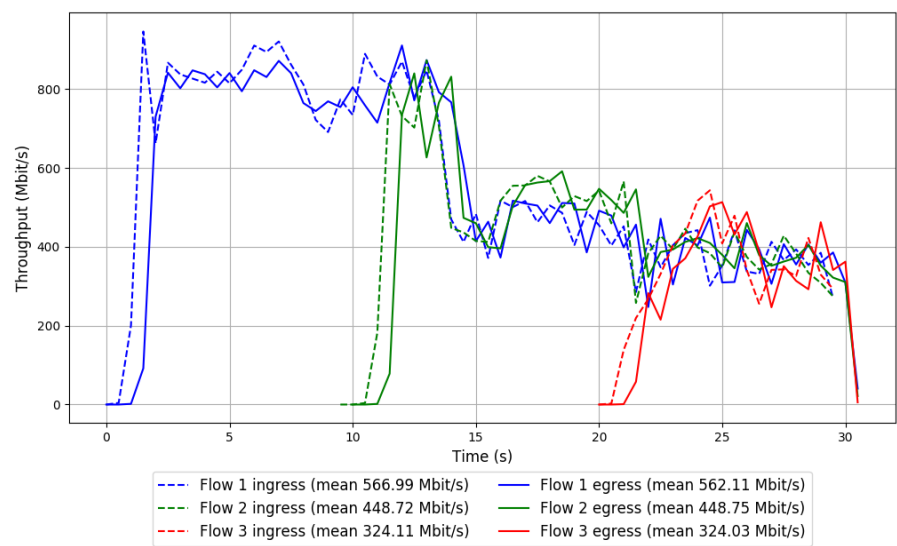


Run 6: Statistics of FillP

Start at: 2018-05-30 14:46:00
End at: 2018-05-30 14:46:30
Local clock offset: -0.062 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-30 17:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 967.66 Mbit/s
95th percentile per-packet one-way delay: 208.856 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 562.11 Mbit/s
95th percentile per-packet one-way delay: 241.736 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 448.75 Mbit/s
95th percentile per-packet one-way delay: 135.285 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 324.03 Mbit/s
95th percentile per-packet one-way delay: 112.603 ms
Loss rate: 0.00%

Run 6: Report of FillP — Data Link

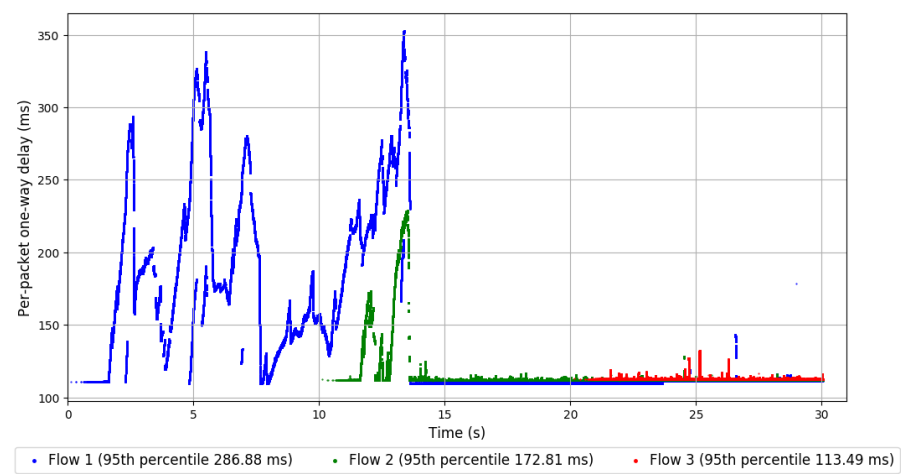
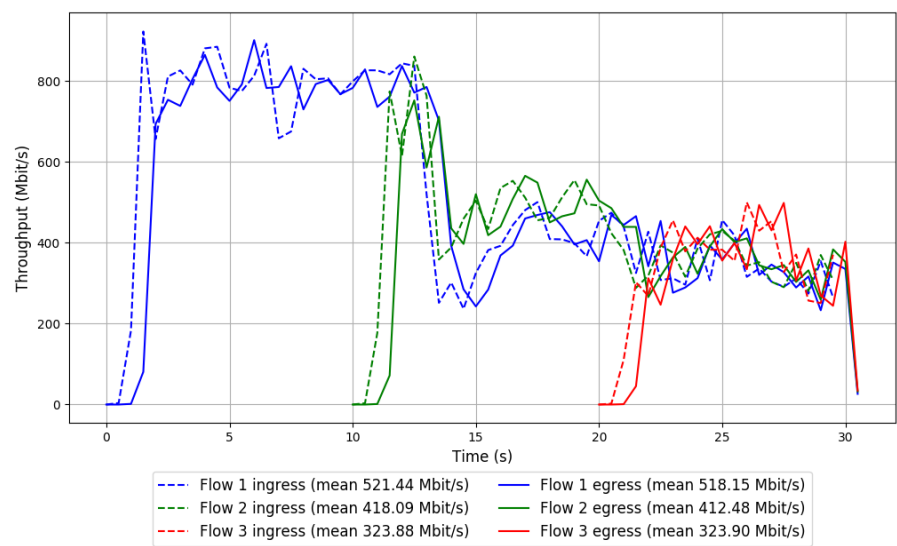


Run 7: Statistics of FillP

Start at: 2018-05-30 15:09:36
End at: 2018-05-30 15:10:06
Local clock offset: -0.264 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-30 17:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 899.40 Mbit/s
95th percentile per-packet one-way delay: 267.270 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 518.15 Mbit/s
95th percentile per-packet one-way delay: 286.875 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 412.48 Mbit/s
95th percentile per-packet one-way delay: 172.807 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 323.90 Mbit/s
95th percentile per-packet one-way delay: 113.493 ms
Loss rate: 0.00%

Run 7: Report of FillP — Data Link

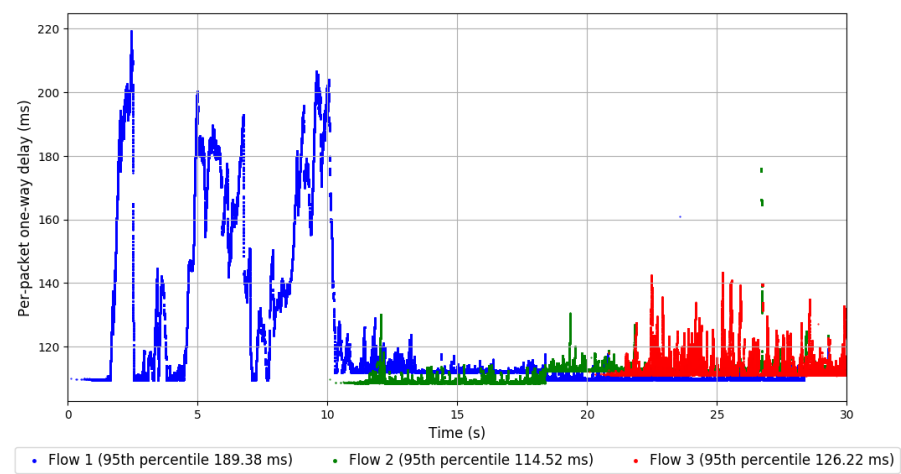
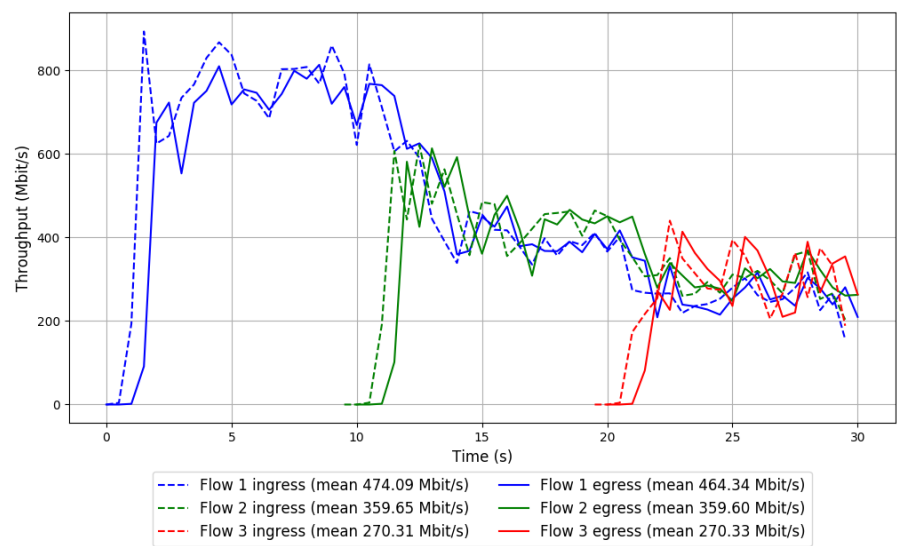


Run 8: Statistics of FillP

Start at: 2018-05-30 15:33:08
End at: 2018-05-30 15:33:38
Local clock offset: 0.056 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-05-30 17:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 792.92 Mbit/s
95th percentile per-packet one-way delay: 181.977 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 464.34 Mbit/s
95th percentile per-packet one-way delay: 189.376 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 359.60 Mbit/s
95th percentile per-packet one-way delay: 114.515 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 270.33 Mbit/s
95th percentile per-packet one-way delay: 126.215 ms
Loss rate: 0.00%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-30 15:56:40

End at: 2018-05-30 15:57:10

Local clock offset: -0.233 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-05-30 17:30:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 898.18 Mbit/s

95th percentile per-packet one-way delay: 164.326 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 532.13 Mbit/s

95th percentile per-packet one-way delay: 173.553 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 409.43 Mbit/s

95th percentile per-packet one-way delay: 121.906 ms

Loss rate: 0.00%

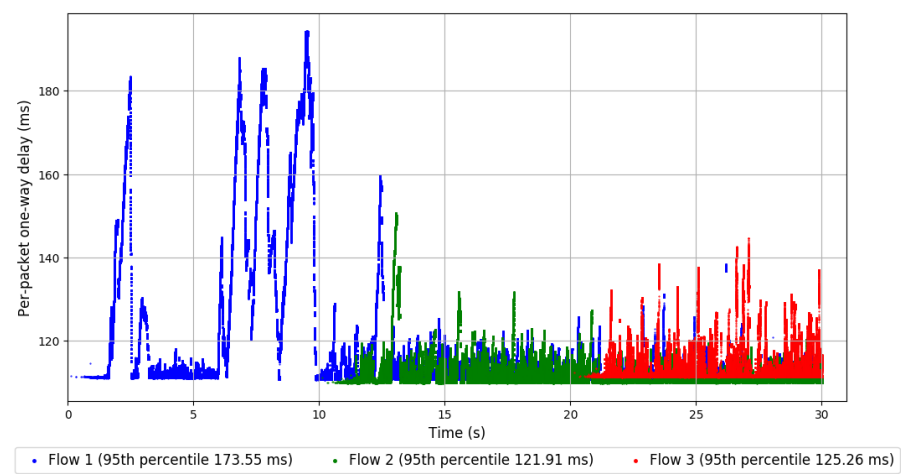
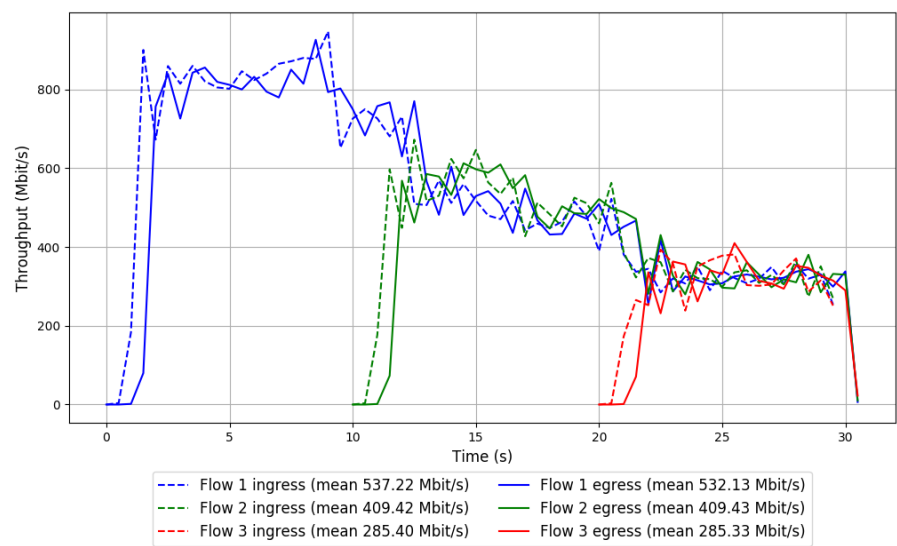
-- Flow 3:

Average throughput: 285.33 Mbit/s

95th percentile per-packet one-way delay: 125.261 ms

Loss rate: 0.00%

Run 9: Report of FillP — Data Link

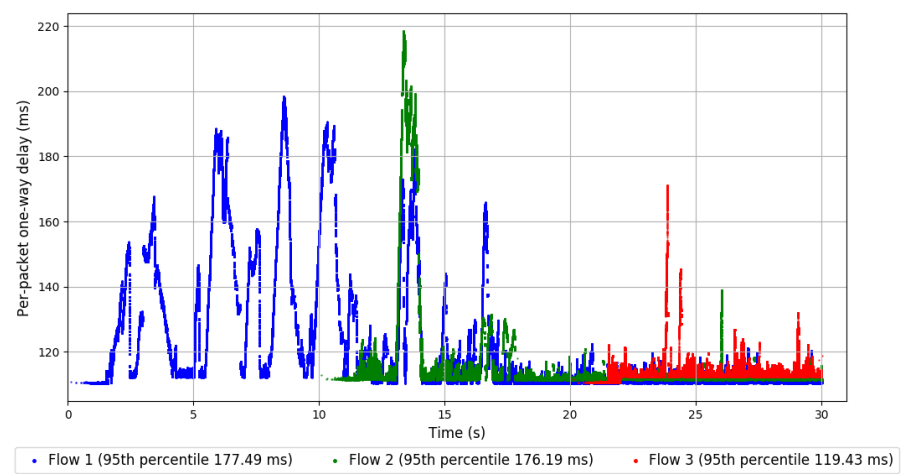
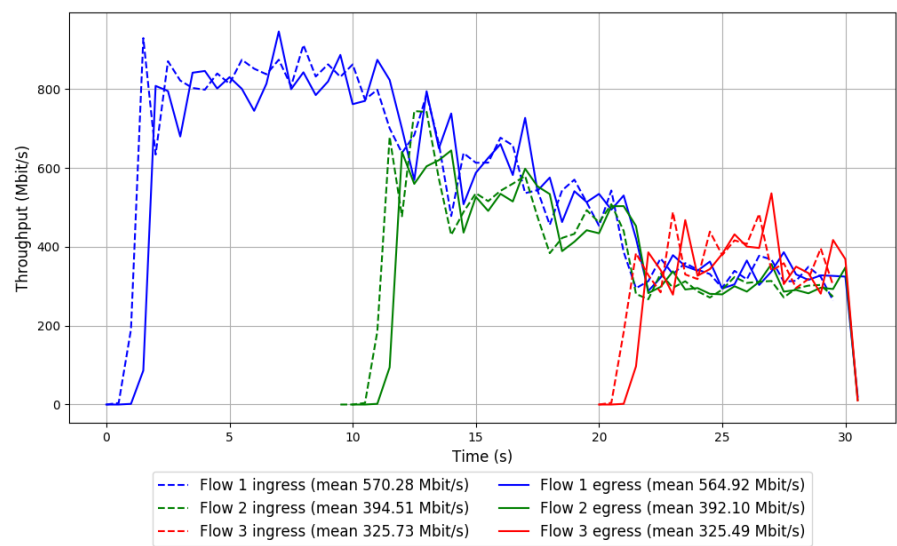


Run 10: Statistics of FillP

Start at: 2018-05-30 16:20:35
End at: 2018-05-30 16:21:05
Local clock offset: -0.325 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 933.59 Mbit/s
95th percentile per-packet one-way delay: 174.452 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 564.92 Mbit/s
95th percentile per-packet one-way delay: 177.485 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 392.10 Mbit/s
95th percentile per-packet one-way delay: 176.185 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 325.49 Mbit/s
95th percentile per-packet one-way delay: 119.434 ms
Loss rate: 0.00%

Run 10: Report of FillP — Data Link

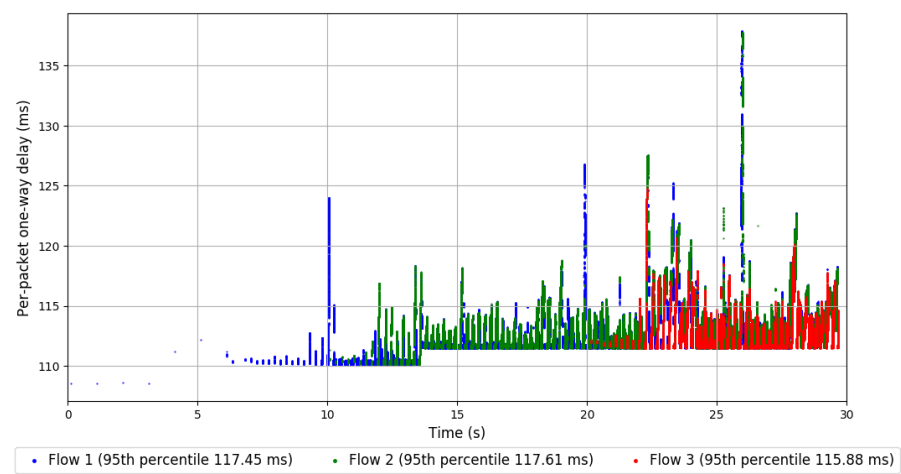
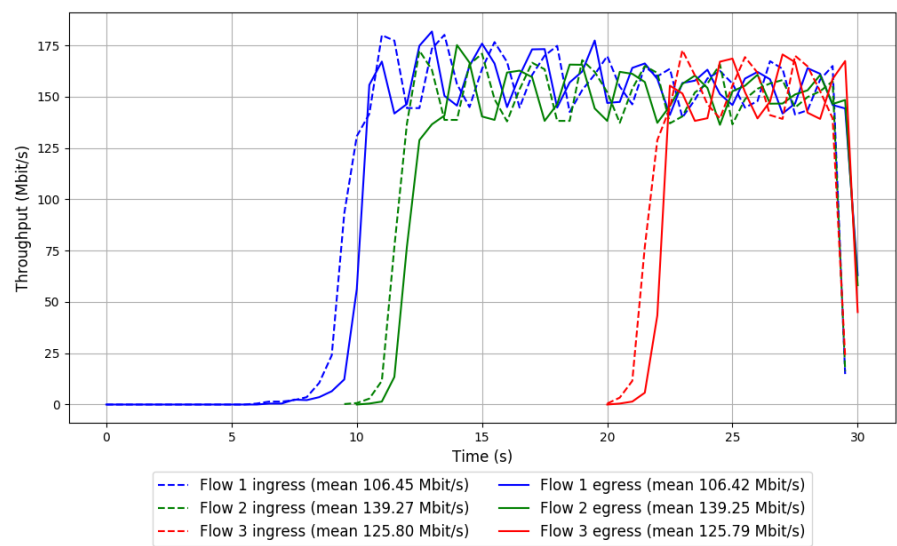


```
Run 1: Statistics of Indigo

Start at: 2018-05-30 12:42:13
End at: 2018-05-30 12:42:43
Local clock offset: -0.089 ms
Remote clock offset: -0.558 ms

# Below is generated by plot.py at 2018-05-30 17:32:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 239.19 Mbit/s
95th percentile per-packet one-way delay: 117.283 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 106.42 Mbit/s
95th percentile per-packet one-way delay: 117.454 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 139.25 Mbit/s
95th percentile per-packet one-way delay: 117.612 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.79 Mbit/s
95th percentile per-packet one-way delay: 115.877 ms
Loss rate: 0.02%
```


Run 1: Report of Indigo — Data Link

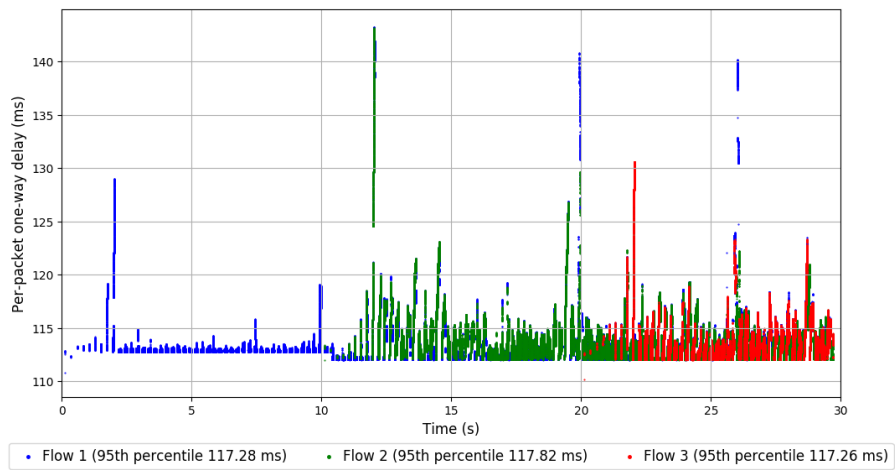
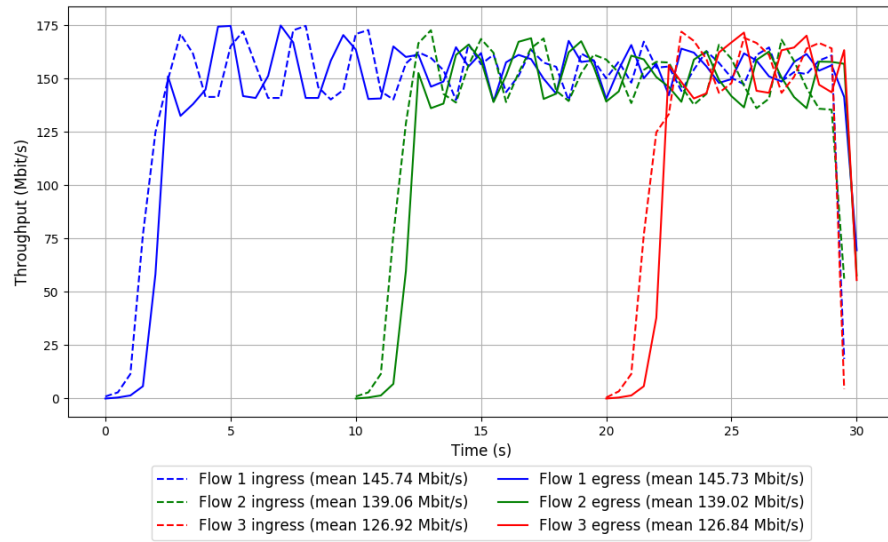


Run 2: Statistics of Indigo

Start at: 2018-05-30 13:05:56
End at: 2018-05-30 13:06:26
Local clock offset: -0.193 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.63 Mbit/s
95th percentile per-packet one-way delay: 117.488 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 145.73 Mbit/s
95th percentile per-packet one-way delay: 117.284 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.02 Mbit/s
95th percentile per-packet one-way delay: 117.820 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 126.84 Mbit/s
95th percentile per-packet one-way delay: 117.261 ms
Loss rate: 0.04%

Run 2: Report of Indigo — Data Link

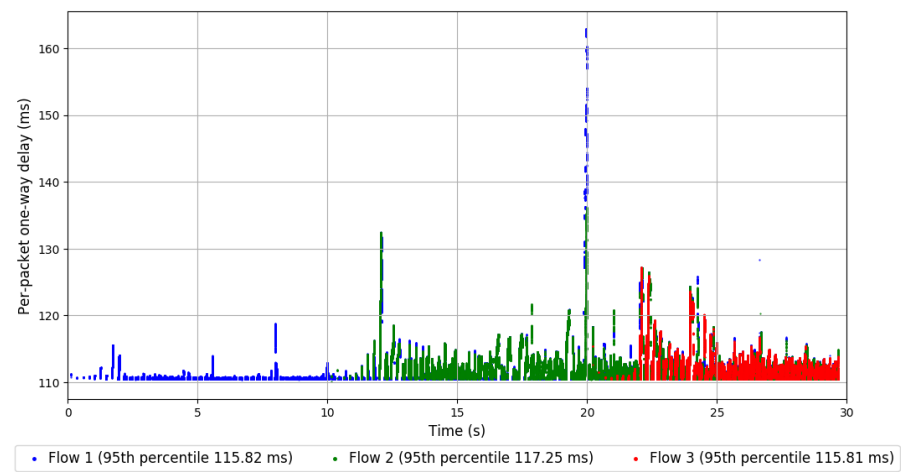
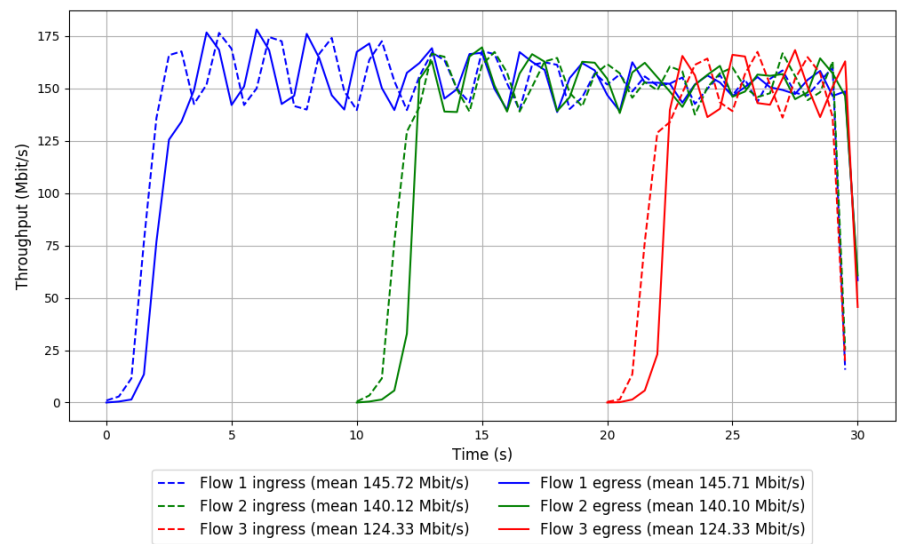


Run 3: Statistics of Indigo

Start at: 2018-05-30 13:29:16
End at: 2018-05-30 13:29:46
Local clock offset: -0.135 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.00 Mbit/s
95th percentile per-packet one-way delay: 116.355 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 145.71 Mbit/s
95th percentile per-packet one-way delay: 115.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 140.10 Mbit/s
95th percentile per-packet one-way delay: 117.248 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 124.33 Mbit/s
95th percentile per-packet one-way delay: 115.805 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-30 13:52:59

End at: 2018-05-30 13:53:29

Local clock offset: 0.063 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2018-05-30 17:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.21 Mbit/s

95th percentile per-packet one-way delay: 130.016 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 142.19 Mbit/s

95th percentile per-packet one-way delay: 124.638 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.41 Mbit/s

95th percentile per-packet one-way delay: 130.054 ms

Loss rate: 0.00%

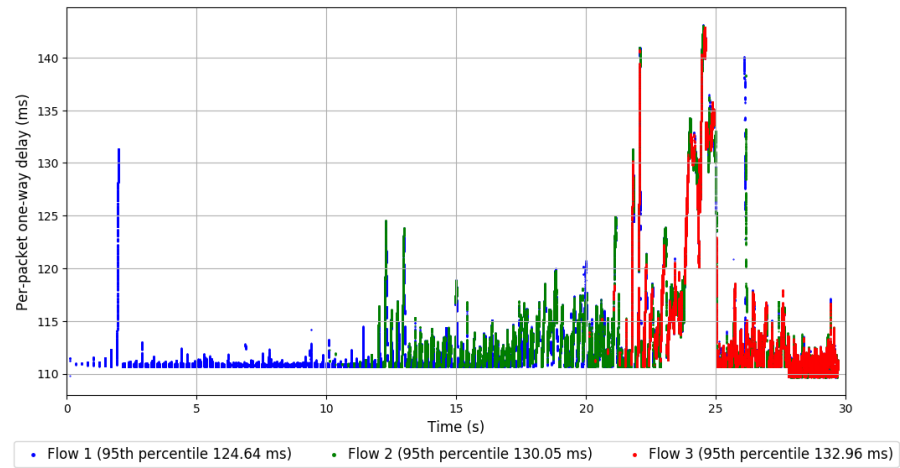
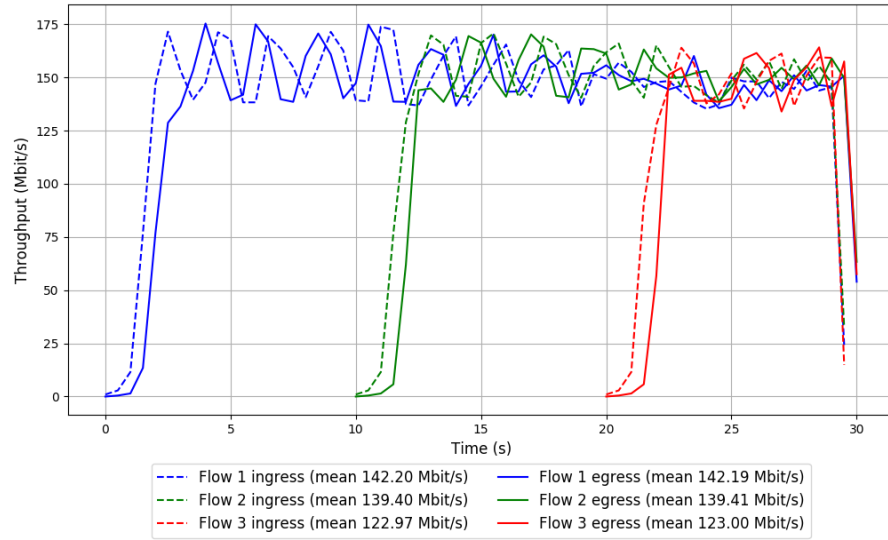
-- Flow 3:

Average throughput: 123.00 Mbit/s

95th percentile per-packet one-way delay: 132.961 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

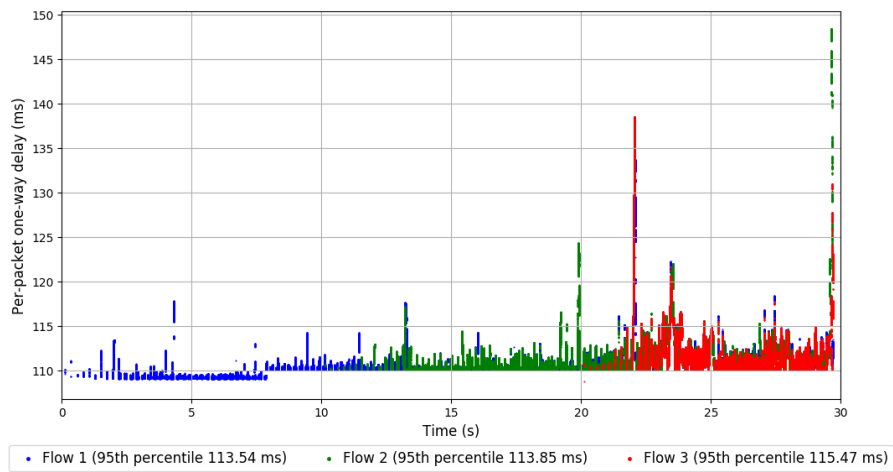
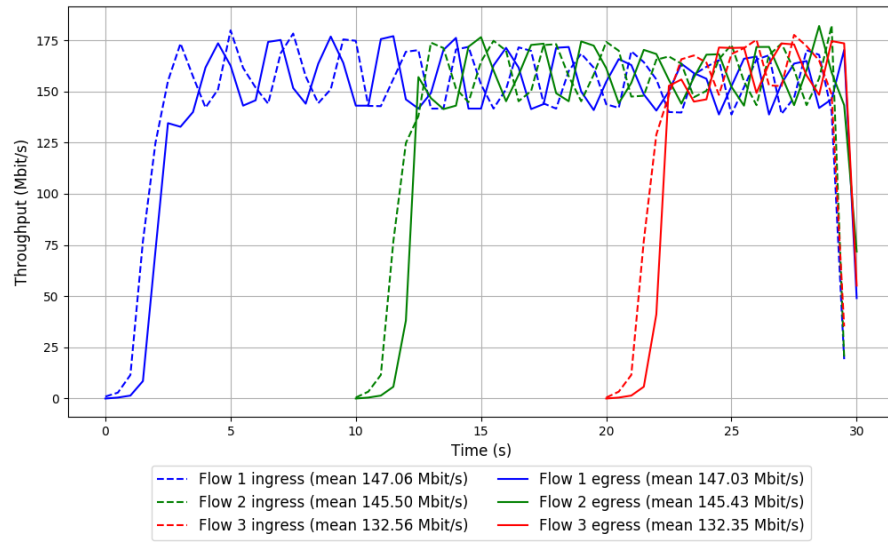


Run 5: Statistics of Indigo

Start at: 2018-05-30 14:16:19
End at: 2018-05-30 14:16:49
Local clock offset: -0.144 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.80 Mbit/s
95th percentile per-packet one-way delay: 114.002 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 147.03 Mbit/s
95th percentile per-packet one-way delay: 113.536 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 145.43 Mbit/s
95th percentile per-packet one-way delay: 113.850 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.35 Mbit/s
95th percentile per-packet one-way delay: 115.465 ms
Loss rate: 0.12%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

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

End at: 2018-05-30 14:40:35

Local clock offset: -0.115 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-30 17:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.31 Mbit/s

95th percentile per-packet one-way delay: 118.363 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 145.70 Mbit/s

95th percentile per-packet one-way delay: 118.002 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 137.72 Mbit/s

95th percentile per-packet one-way delay: 118.865 ms

Loss rate: 0.01%

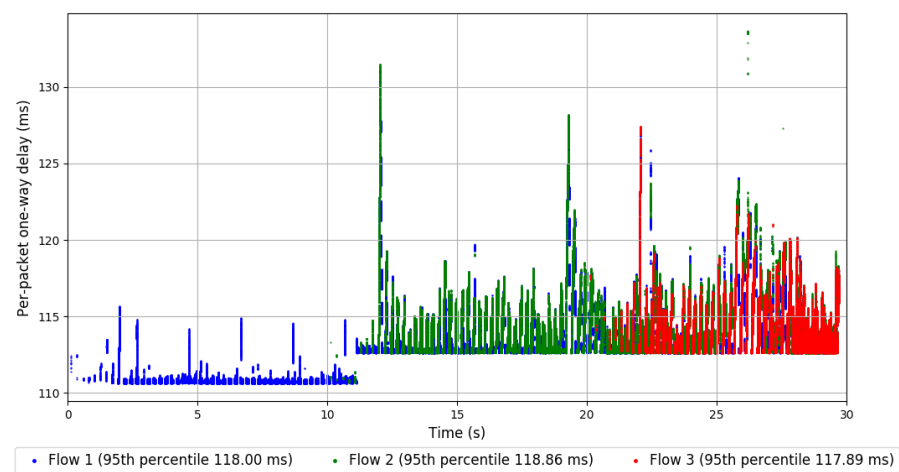
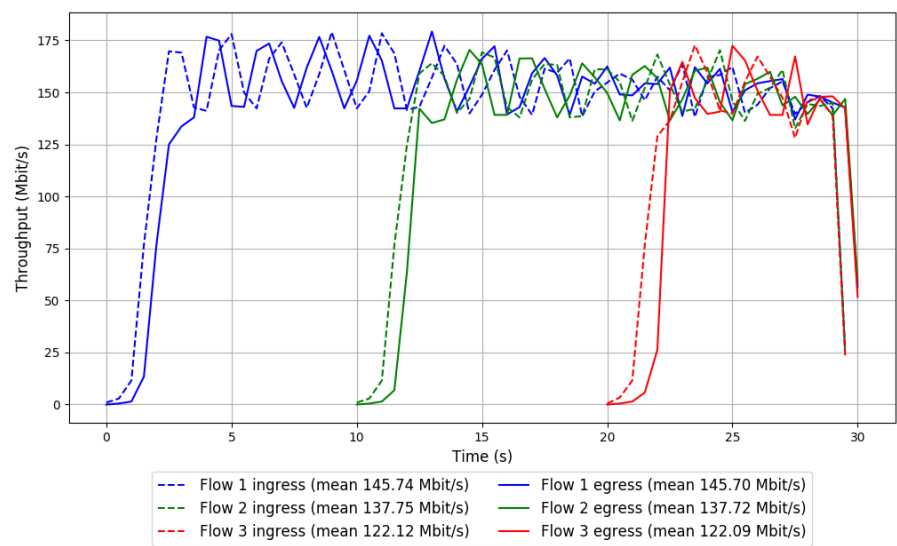
-- Flow 3:

Average throughput: 122.09 Mbit/s

95th percentile per-packet one-way delay: 117.890 ms

Loss rate: 0.03%

Run 6: Report of Indigo — Data Link

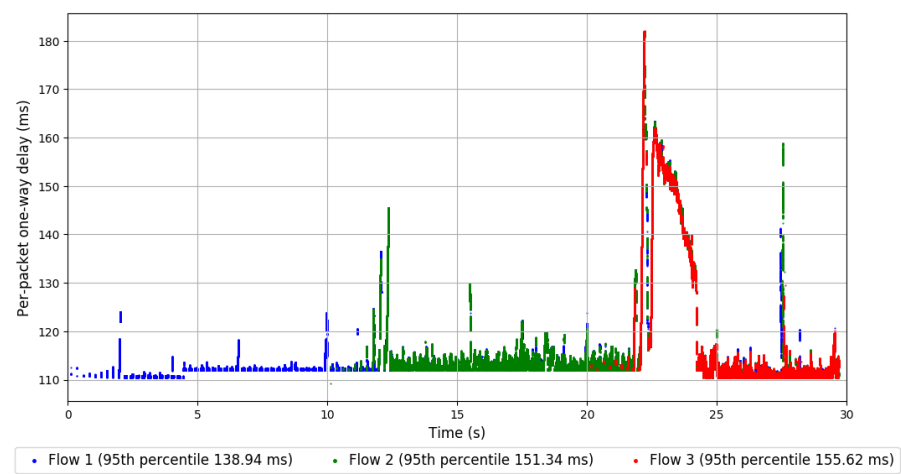
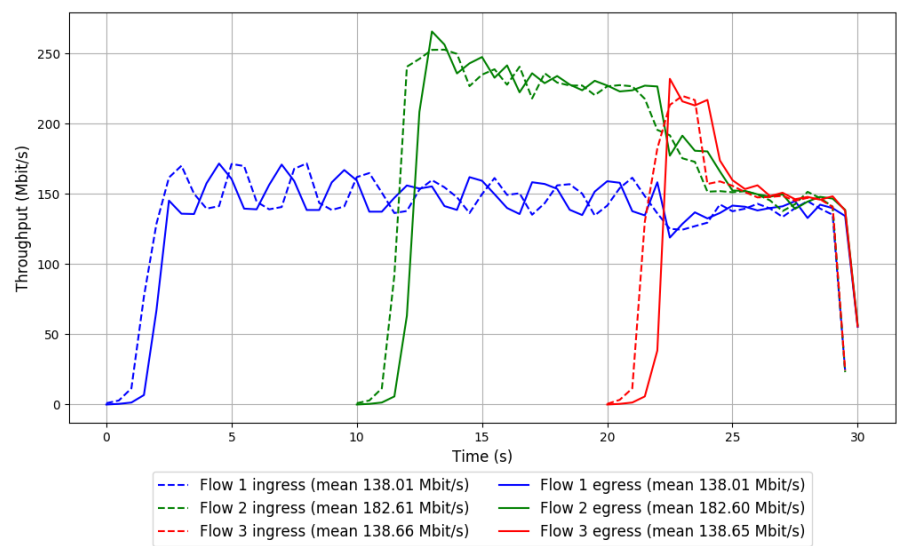


Run 7: Statistics of Indigo

Start at: 2018-05-30 15:03:42
End at: 2018-05-30 15:04:12
Local clock offset: -0.018 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.61 Mbit/s
95th percentile per-packet one-way delay: 151.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.01 Mbit/s
95th percentile per-packet one-way delay: 138.943 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.60 Mbit/s
95th percentile per-packet one-way delay: 151.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 138.65 Mbit/s
95th percentile per-packet one-way delay: 155.619 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

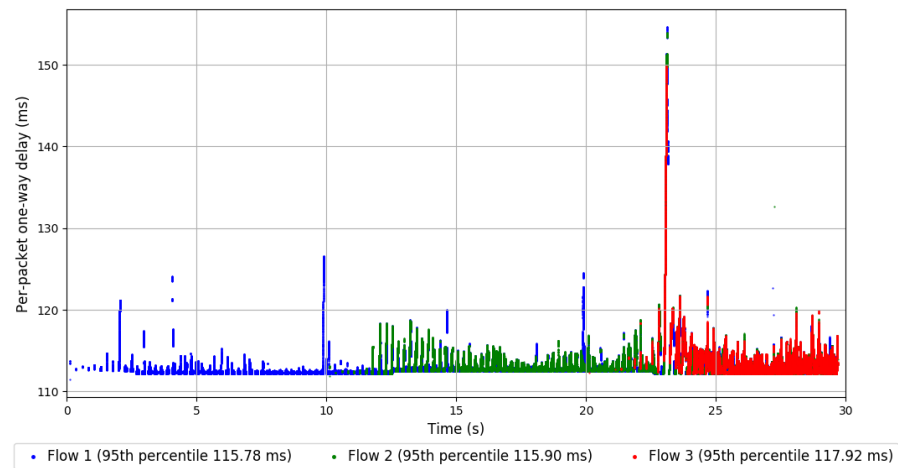
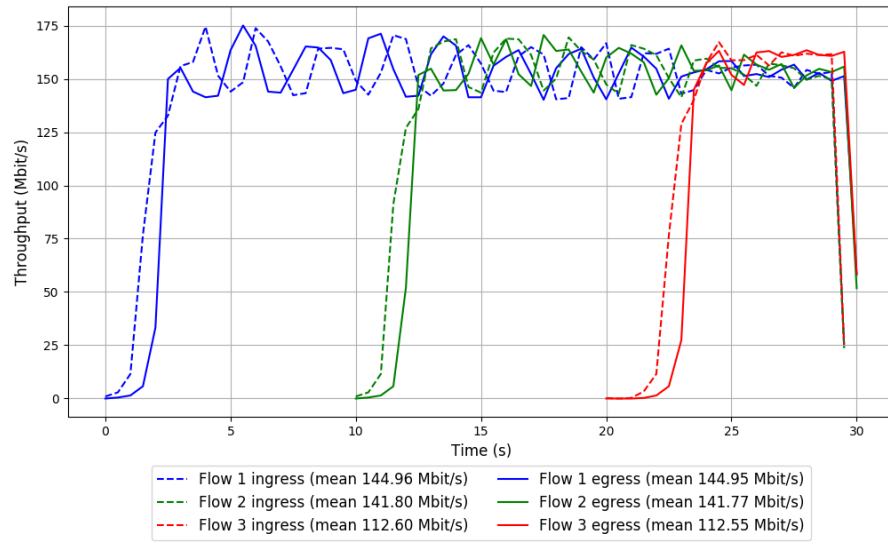


Run 8: Statistics of Indigo

Start at: 2018-05-30 15:27:14
End at: 2018-05-30 15:27:44
Local clock offset: -0.124 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.15 Mbit/s
95th percentile per-packet one-way delay: 116.249 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 144.95 Mbit/s
95th percentile per-packet one-way delay: 115.778 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.77 Mbit/s
95th percentile per-packet one-way delay: 115.902 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 112.55 Mbit/s
95th percentile per-packet one-way delay: 117.915 ms
Loss rate: 0.05%

Run 8: Report of Indigo — Data Link

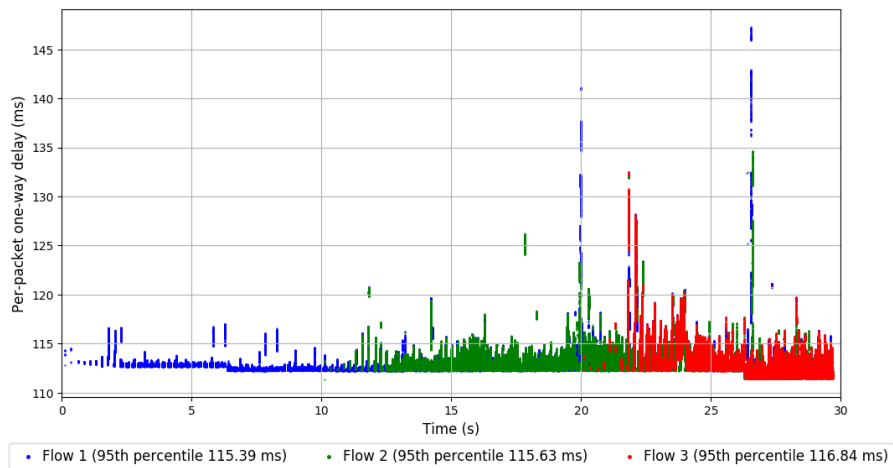
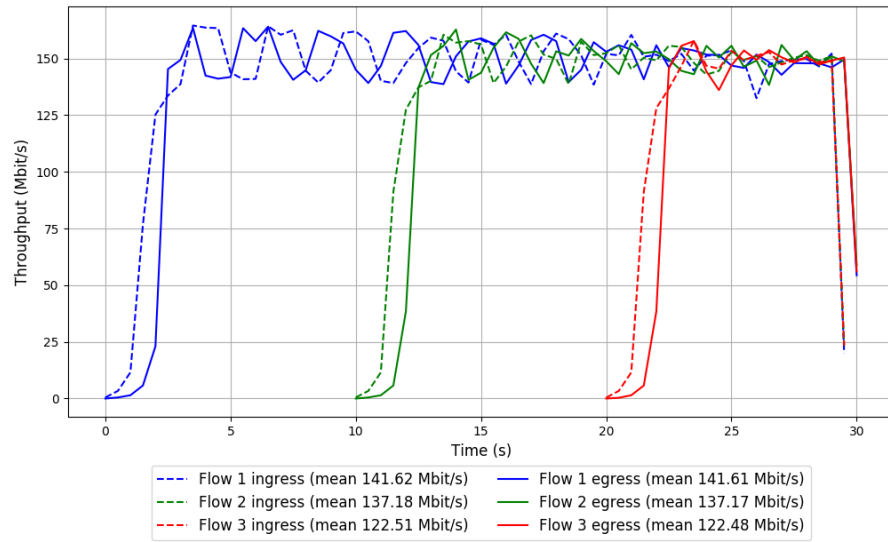


Run 9: Statistics of Indigo

Start at: 2018-05-30 15:50:40
End at: 2018-05-30 15:51:10
Local clock offset: -0.026 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.95 Mbit/s
95th percentile per-packet one-way delay: 115.692 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 141.61 Mbit/s
95th percentile per-packet one-way delay: 115.386 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 137.17 Mbit/s
95th percentile per-packet one-way delay: 115.633 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 122.48 Mbit/s
95th percentile per-packet one-way delay: 116.843 ms
Loss rate: 0.03%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-30 16:14:40

End at: 2018-05-30 16:15:10

Local clock offset: -0.476 ms

Remote clock offset: 0.322 ms

Below is generated by plot.py at 2018-05-30 17:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 271.58 Mbit/s

95th percentile per-packet one-way delay: 120.525 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 145.51 Mbit/s

95th percentile per-packet one-way delay: 117.909 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 136.05 Mbit/s

95th percentile per-packet one-way delay: 120.971 ms

Loss rate: 0.00%

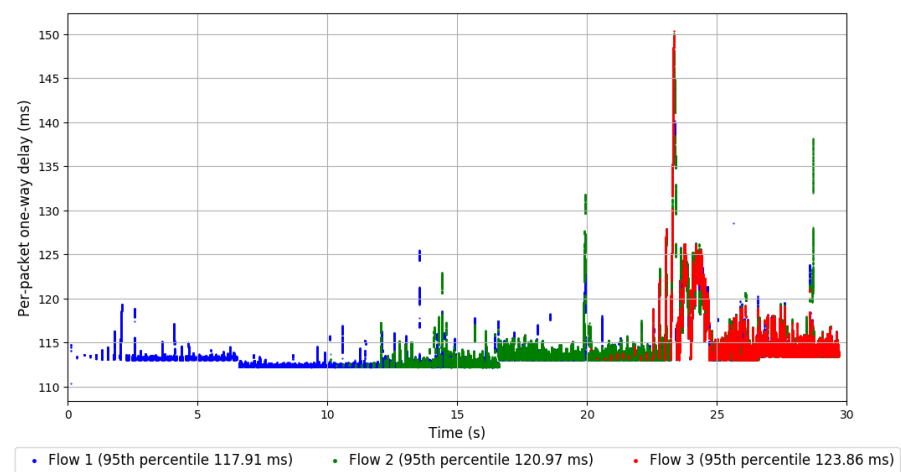
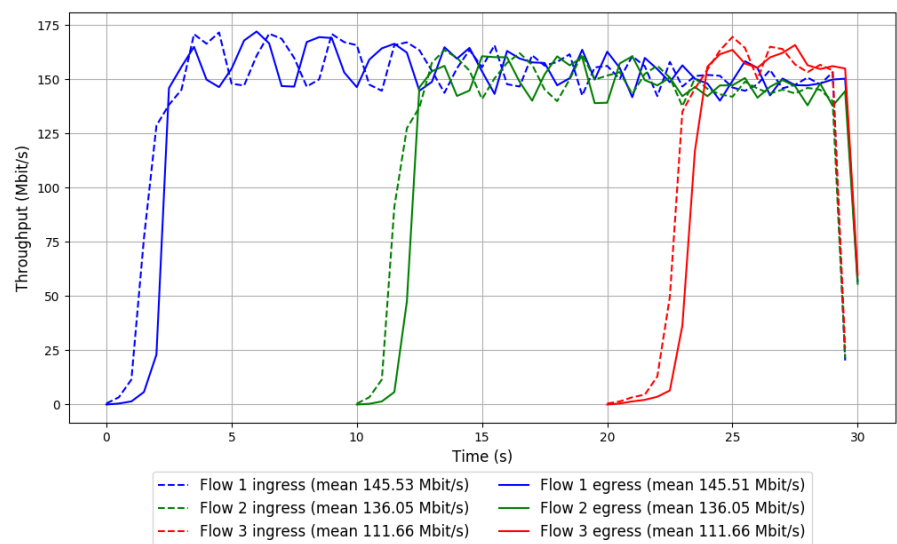
-- Flow 3:

Average throughput: 111.66 Mbit/s

95th percentile per-packet one-way delay: 123.855 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

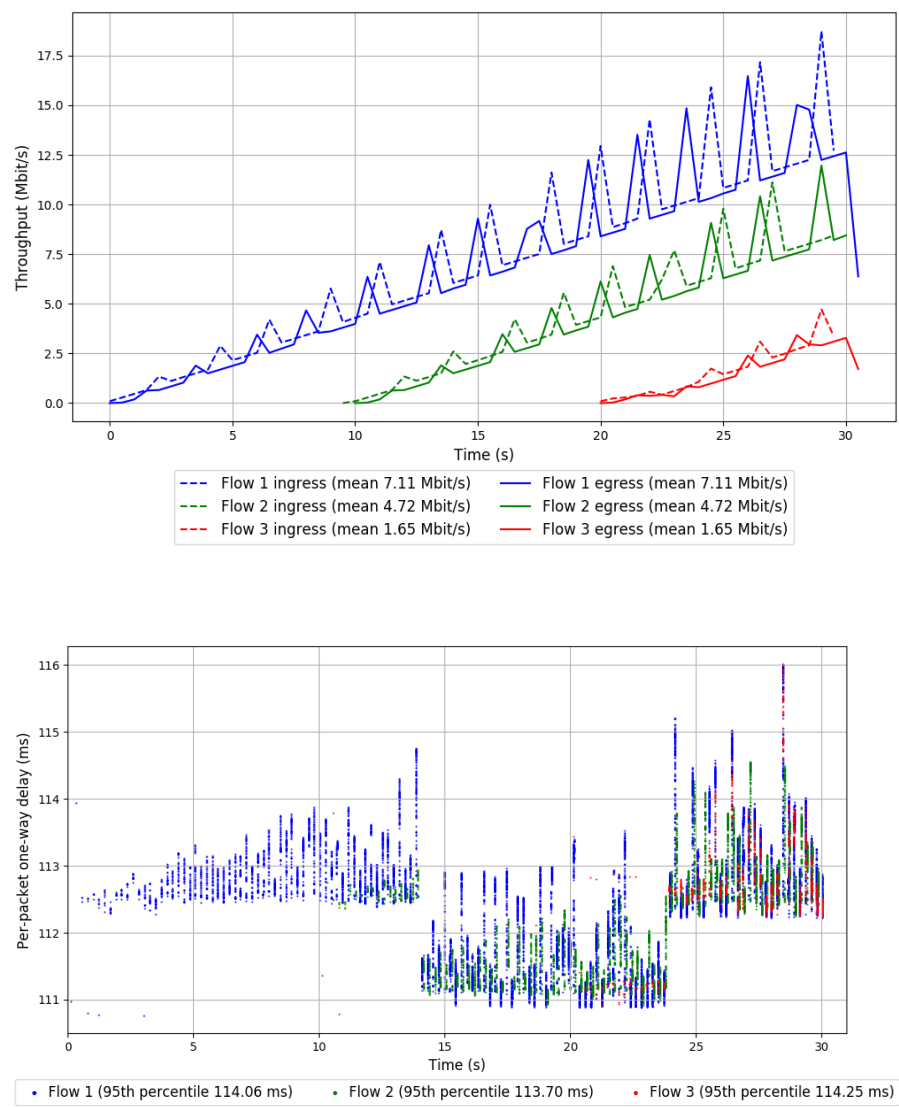


Run 1: Statistics of LEDBAT

Start at: 2018-05-30 12:50:13
End at: 2018-05-30 12:50:43
Local clock offset: -0.409 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 113.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 114.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 113.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 114.251 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-30 13:13:56

End at: 2018-05-30 13:14:26

Local clock offset: 0.078 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-05-30 17:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.81 Mbit/s

95th percentile per-packet one-way delay: 112.828 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 113.004 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 112.478 ms

Loss rate: 0.00%

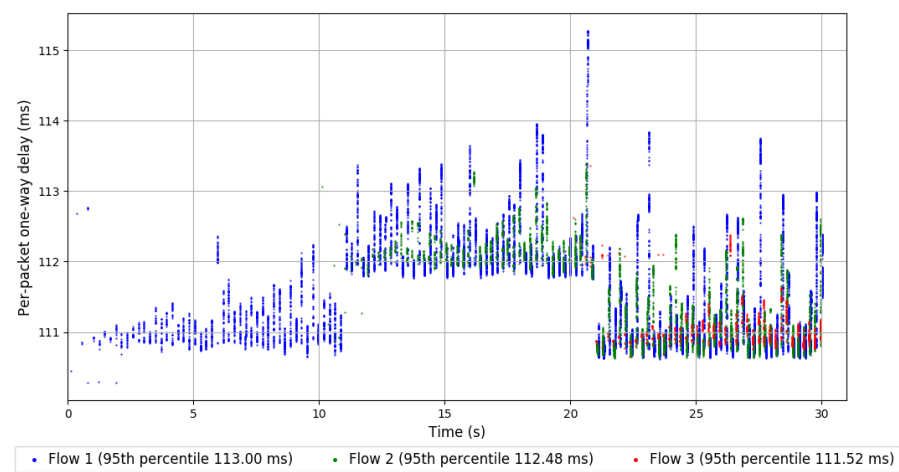
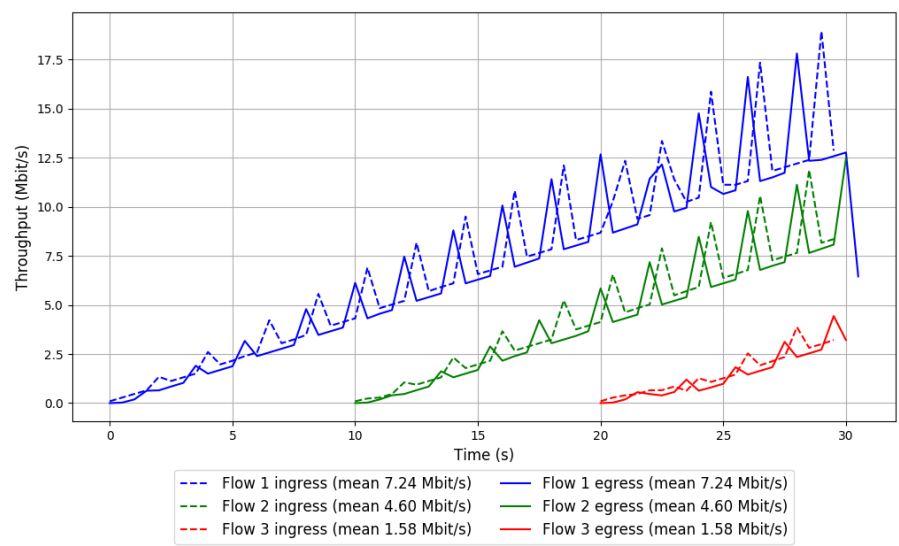
-- Flow 3:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 111.517 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

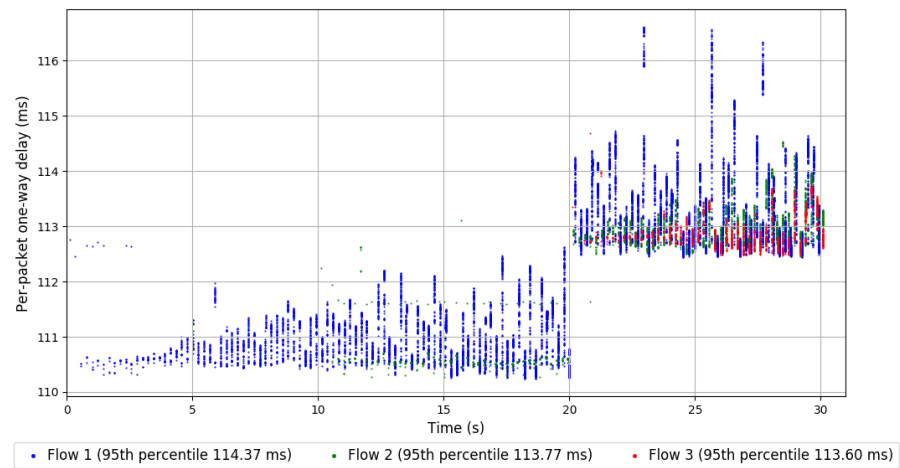
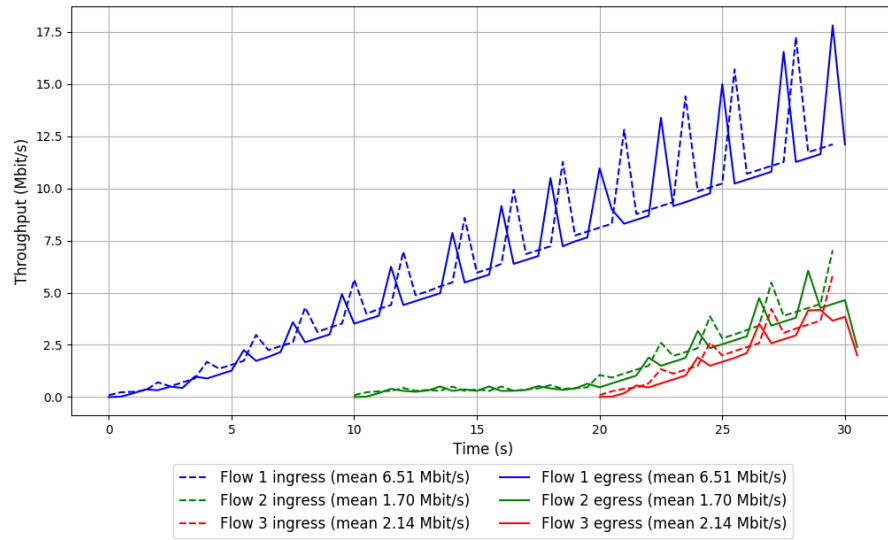


Run 3: Statistics of LEDBAT

Start at: 2018-05-30 13:37:17
End at: 2018-05-30 13:37:47
Local clock offset: 0.068 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 114.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 114.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 113.766 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 113.600 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

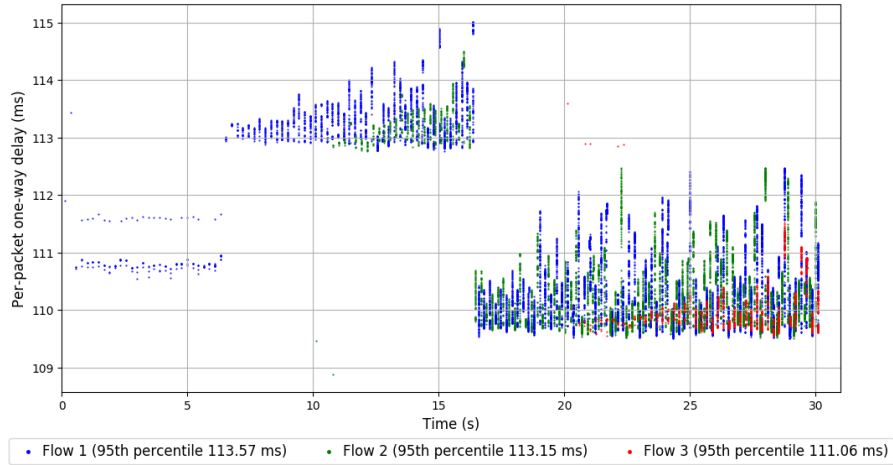
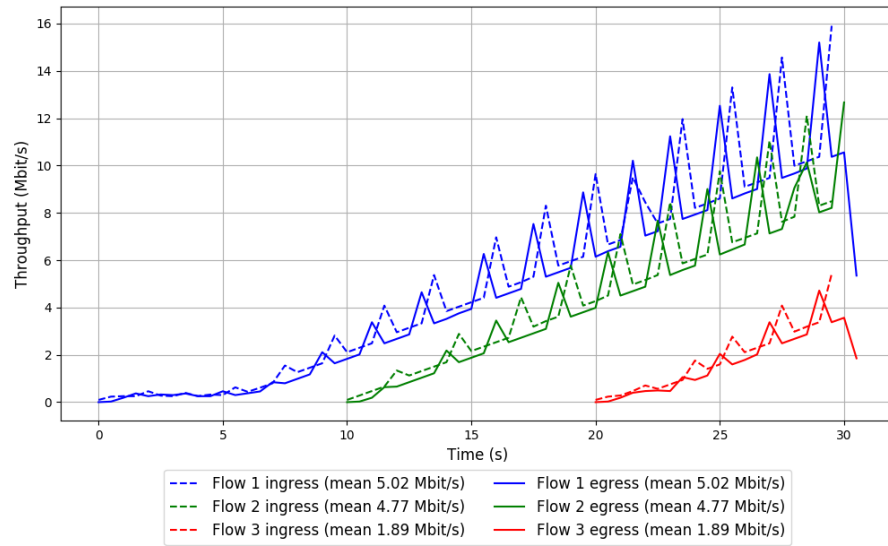


Run 4: Statistics of LEDBAT

Start at: 2018-05-30 14:00:50
End at: 2018-05-30 14:01:20
Local clock offset: -0.132 ms
Remote clock offset: 0.003 ms

```
# Below is generated by plot.py at 2018-05-30 17:32:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 113.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 113.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 113.148 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 111.055 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

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

End at: 2018-05-30 14:24:44

Local clock offset: -0.307 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-05-30 17:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.76 Mbit/s

95th percentile per-packet one-way delay: 114.777 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 115.005 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 114.099 ms

Loss rate: 0.00%

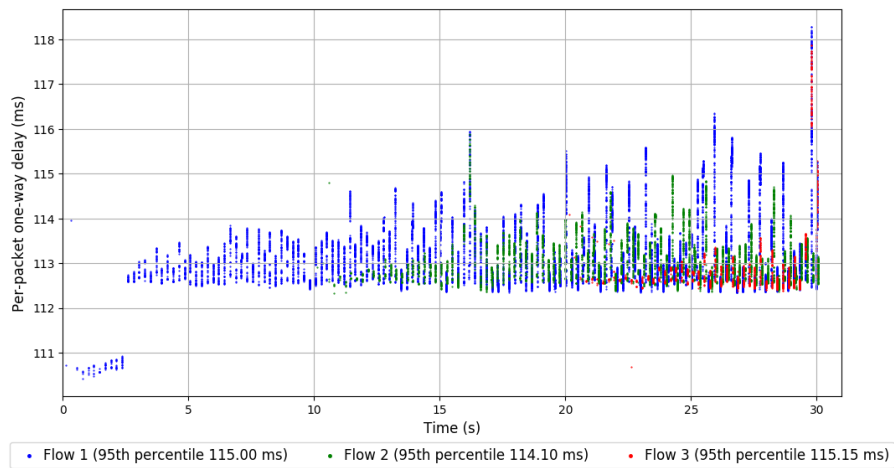
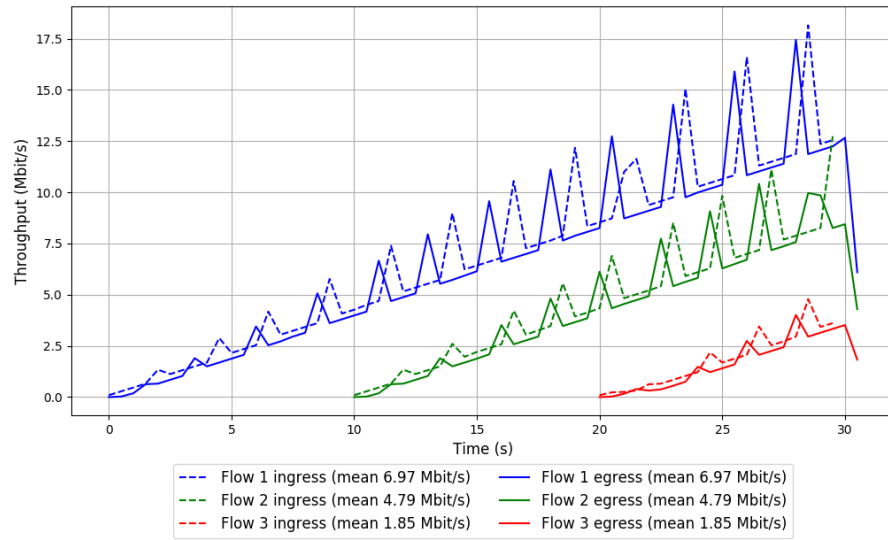
-- Flow 3:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 115.153 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

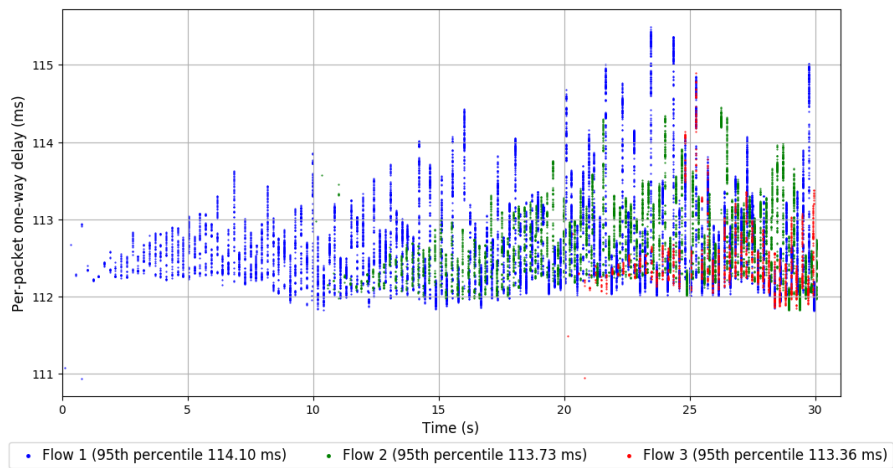
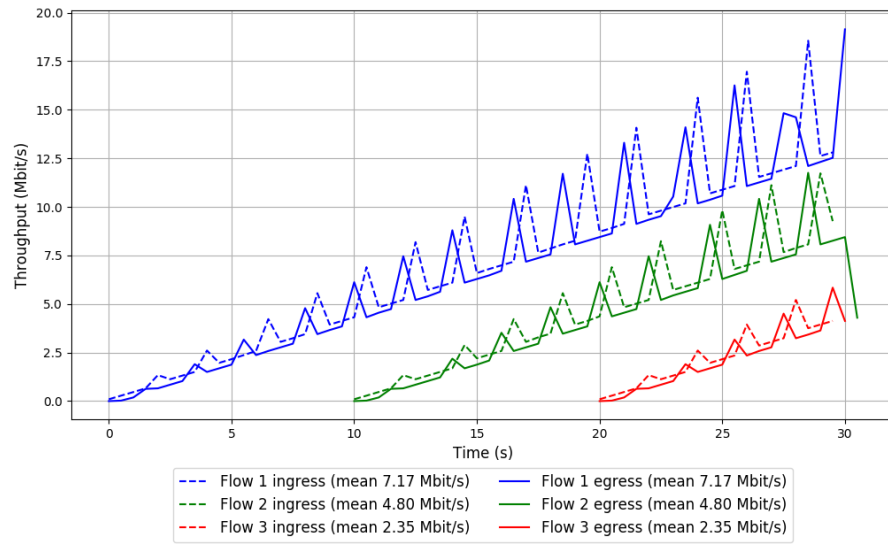


Run 6: Statistics of LEDBAT

Start at: 2018-05-30 14:47:59
End at: 2018-05-30 14:48:29
Local clock offset: -0.025 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 113.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 114.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 113.734 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 113.361 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

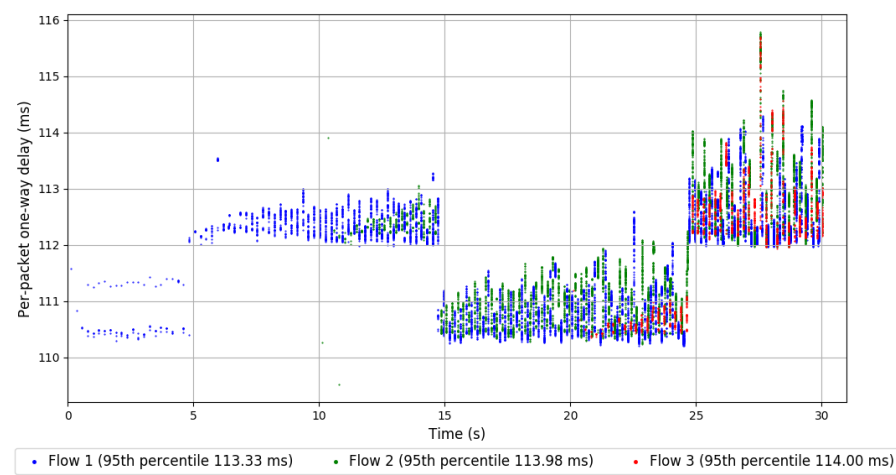
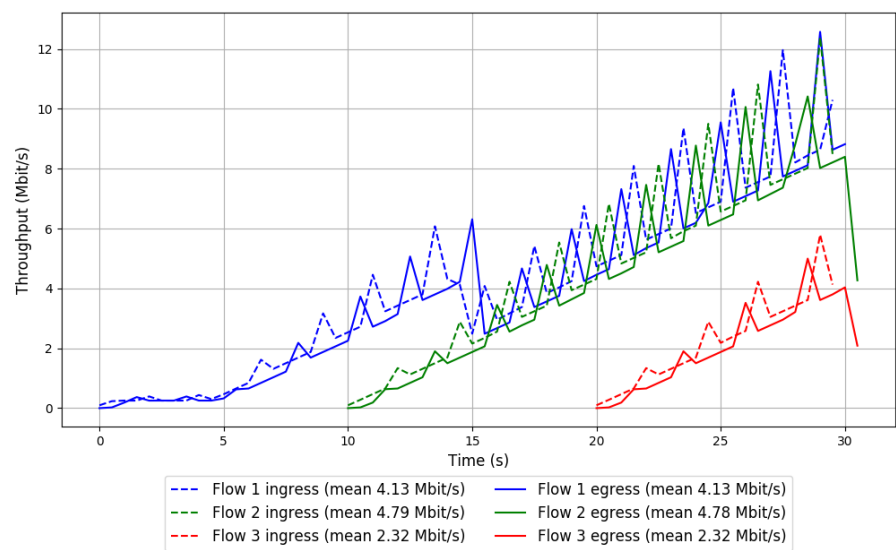


Run 7: Statistics of LEDBAT

Start at: 2018-05-30 15:11:32
End at: 2018-05-30 15:12:02
Local clock offset: 0.062 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 113.676 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 113.327 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 113.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 113.998 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

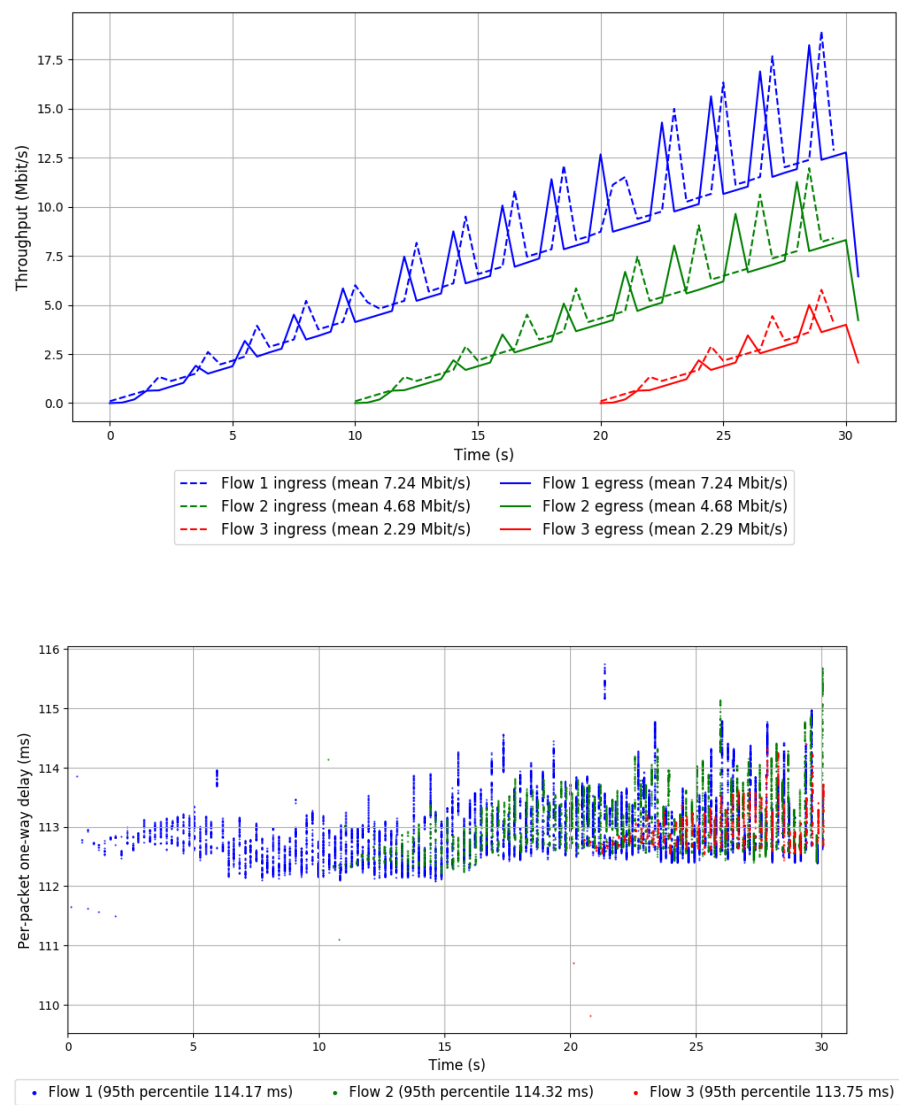


Run 8: Statistics of LEDBAT

Start at: 2018-05-30 15:35:01
End at: 2018-05-30 15:35:31
Local clock offset: -0.151 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 114.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 114.173 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 114.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 113.750 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-30 15:58:37

End at: 2018-05-30 15:59:07

Local clock offset: -0.038 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-05-30 17:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.75 Mbit/s

95th percentile per-packet one-way delay: 114.544 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 114.561 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 114.281 ms

Loss rate: 0.00%

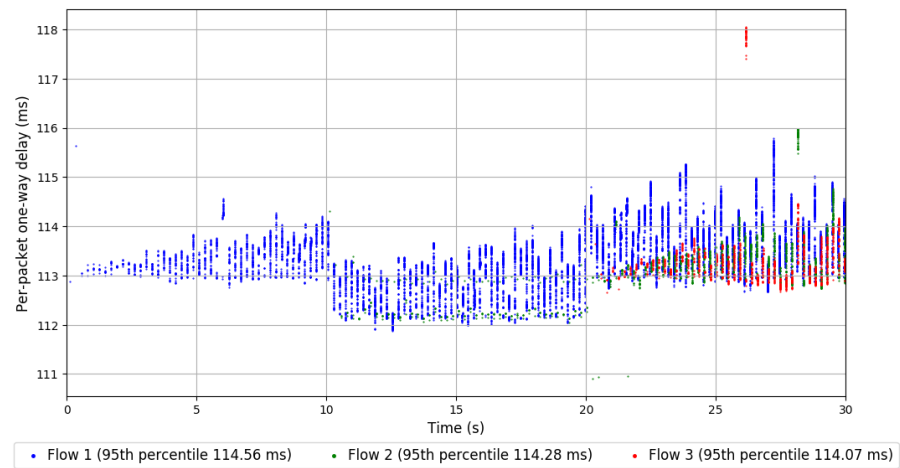
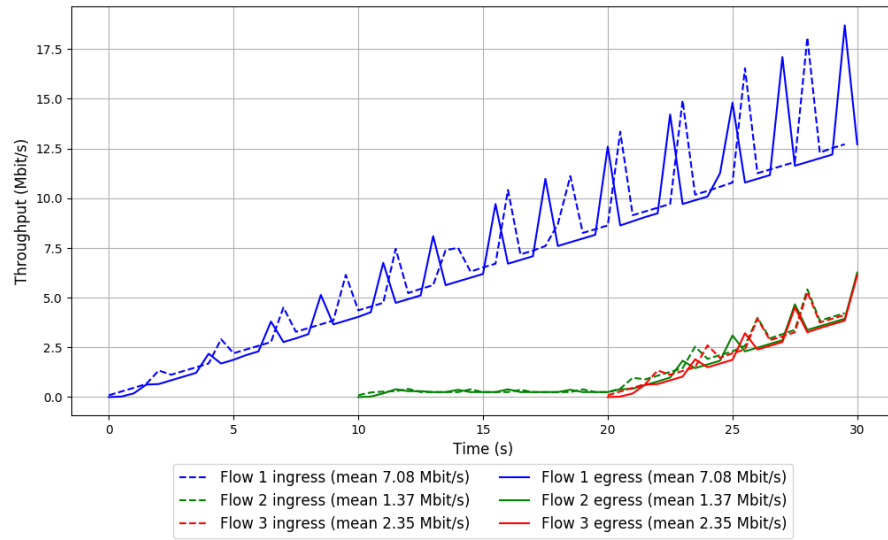
-- Flow 3:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 114.074 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-30 16:22:33

End at: 2018-05-30 16:23:03

Local clock offset: -0.322 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-05-30 17:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 114.151 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 114.246 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 113.955 ms

Loss rate: 0.00%

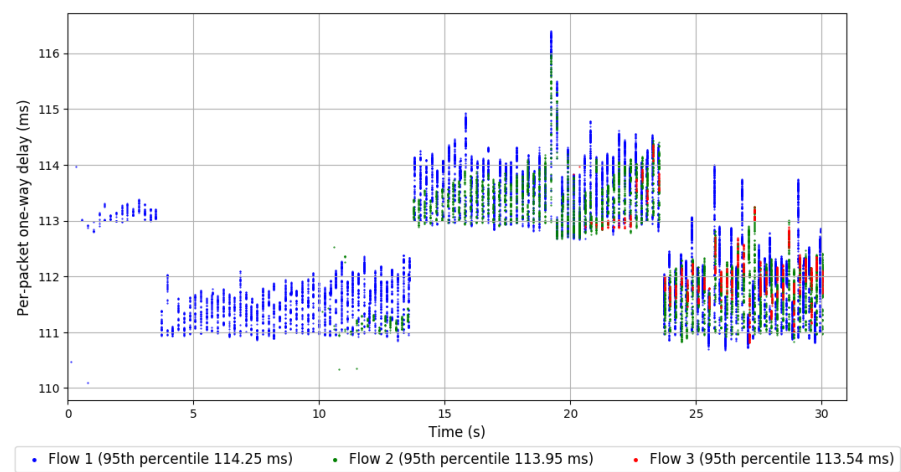
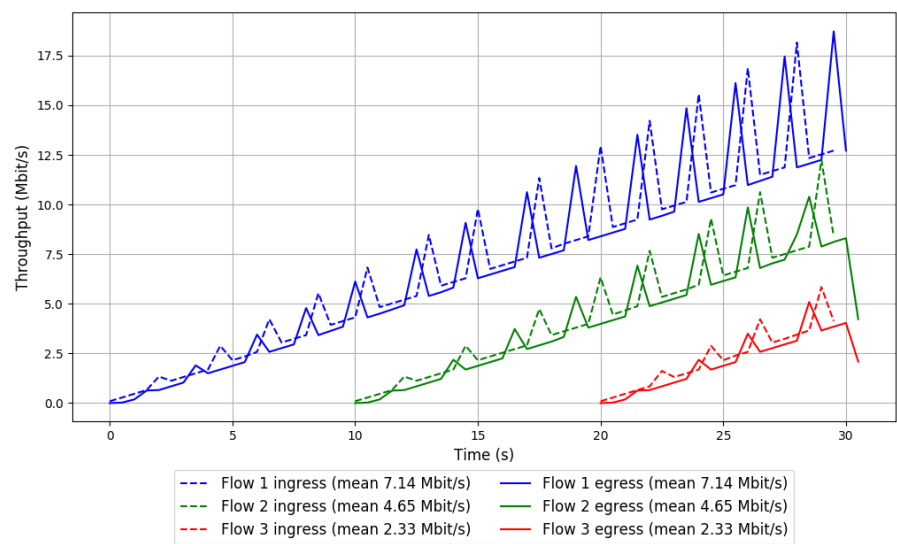
-- Flow 3:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 113.544 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

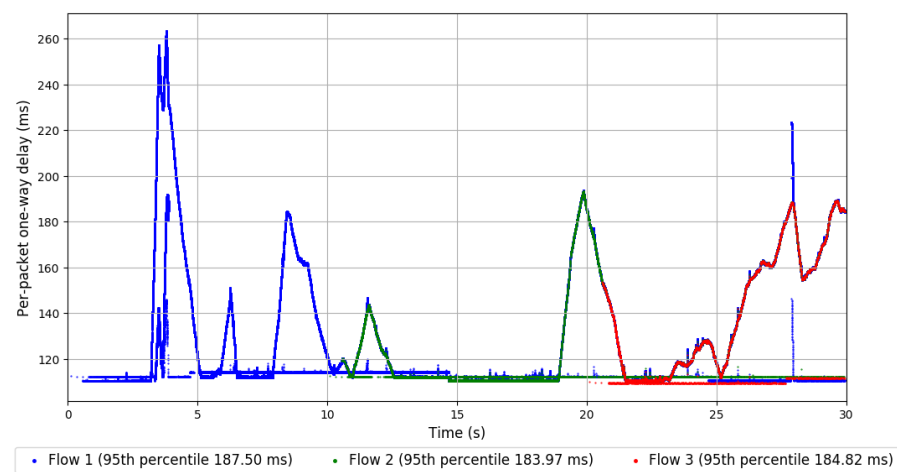
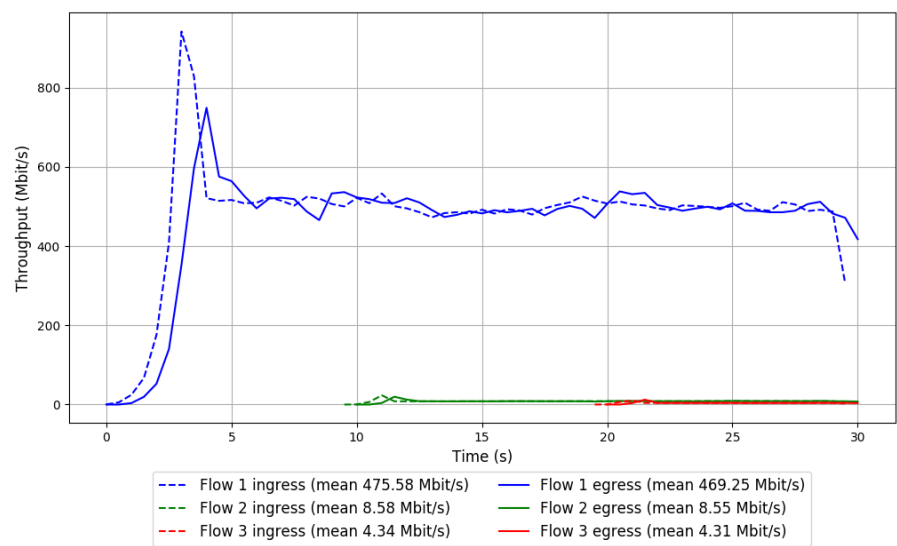


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-30 12:38:52
End at: 2018-05-30 12:39:22
Local clock offset: -0.031 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.36 Mbit/s
95th percentile per-packet one-way delay: 187.357 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 469.25 Mbit/s
95th percentile per-packet one-way delay: 187.500 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 183.972 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 184.816 ms
Loss rate: 0.70%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-30 13:02:39

End at: 2018-05-30 13:03:09

Local clock offset: -0.085 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-05-30 17:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 471.72 Mbit/s

95th percentile per-packet one-way delay: 245.273 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 447.90 Mbit/s

95th percentile per-packet one-way delay: 246.436 ms

Loss rate: 2.23%

-- Flow 2:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 198.760 ms

Loss rate: 0.06%

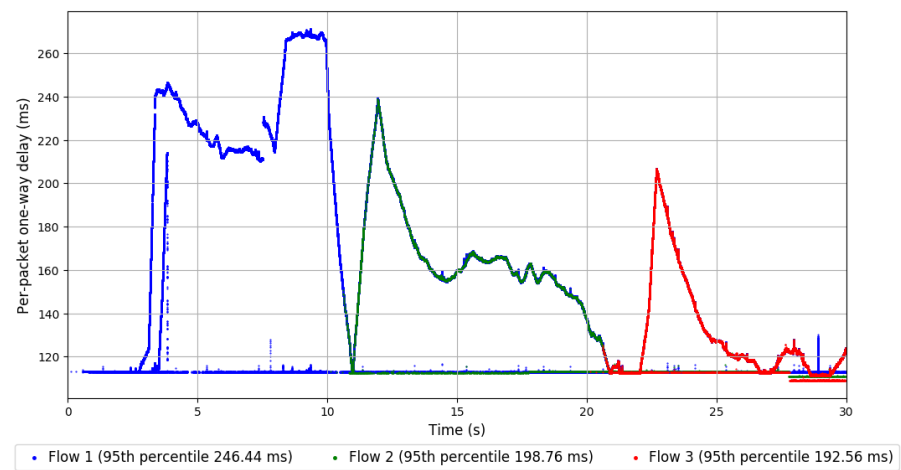
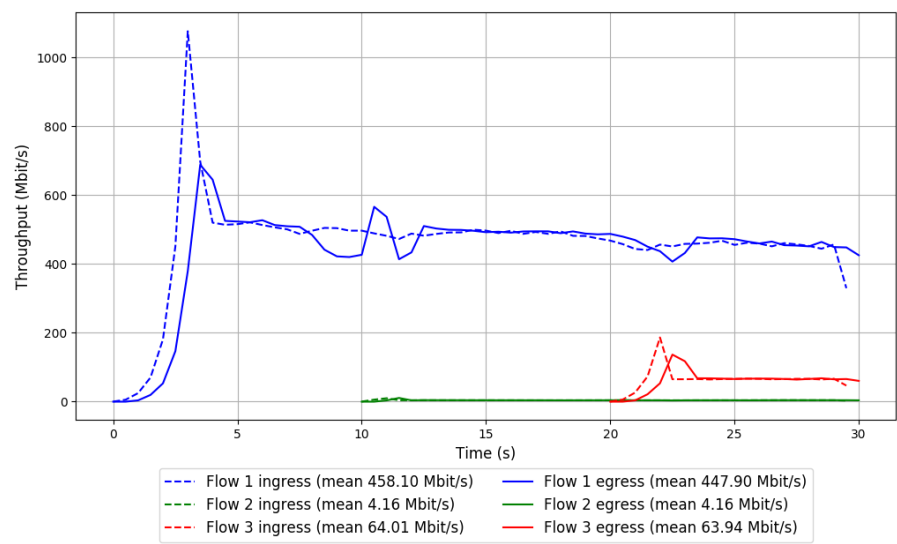
-- Flow 3:

Average throughput: 63.94 Mbit/s

95th percentile per-packet one-way delay: 192.556 ms

Loss rate: 0.12%

Run 2: Report of PCC-Allegro — Data Link

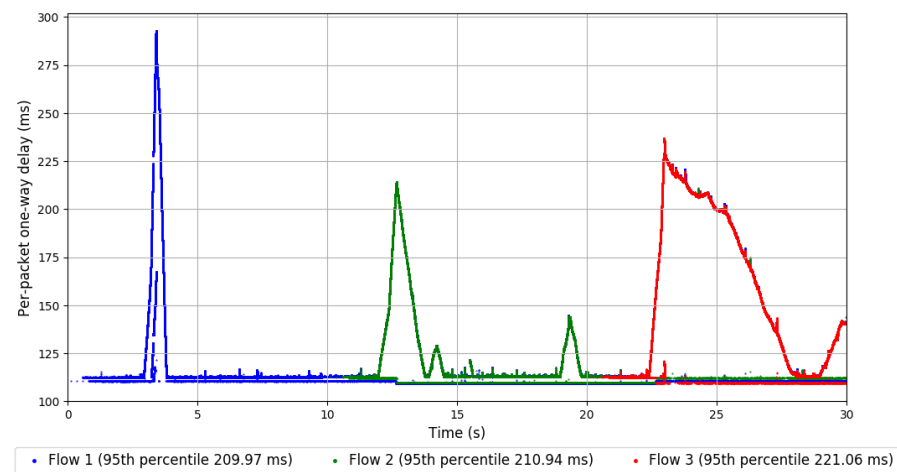
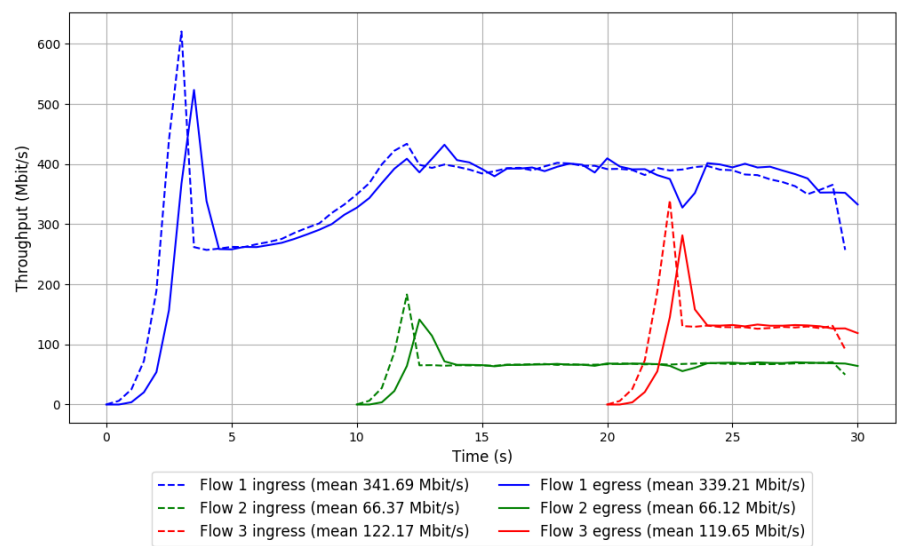


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-30 13:26:07
End at: 2018-05-30 13:26:37
Local clock offset: 0.059 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.48 Mbit/s
95th percentile per-packet one-way delay: 213.210 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 339.21 Mbit/s
95th percentile per-packet one-way delay: 209.972 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 210.938 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 119.65 Mbit/s
95th percentile per-packet one-way delay: 221.058 ms
Loss rate: 2.07%

Run 3: Report of PCC-Allegro — Data Link

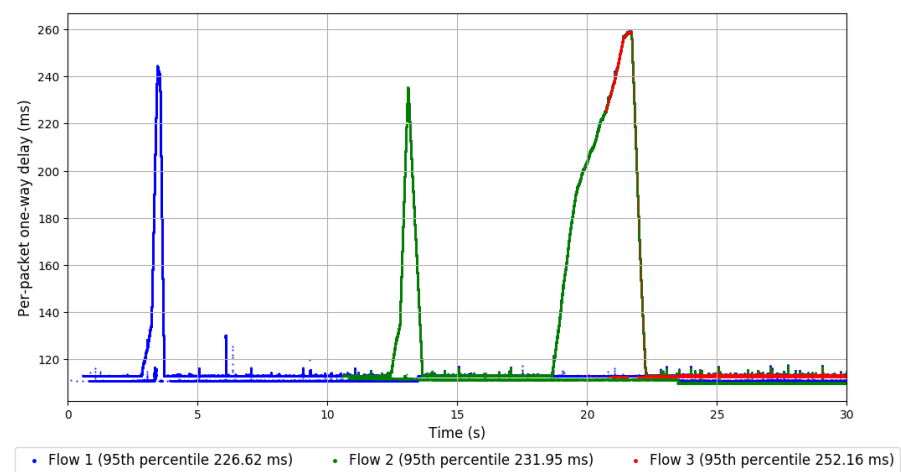
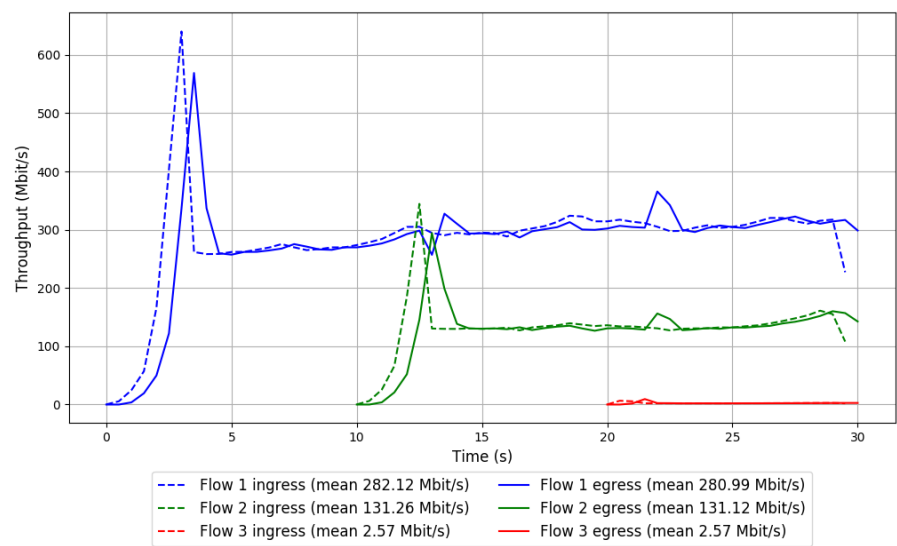


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-30 13:49:43
End at: 2018-05-30 13:50:13
Local clock offset: -0.327 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.00 Mbit/s
95th percentile per-packet one-way delay: 228.614 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 280.99 Mbit/s
95th percentile per-packet one-way delay: 226.621 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 131.12 Mbit/s
95th percentile per-packet one-way delay: 231.954 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 252.164 ms
Loss rate: 0.05%

Run 4: Report of PCC-Allegro — Data Link

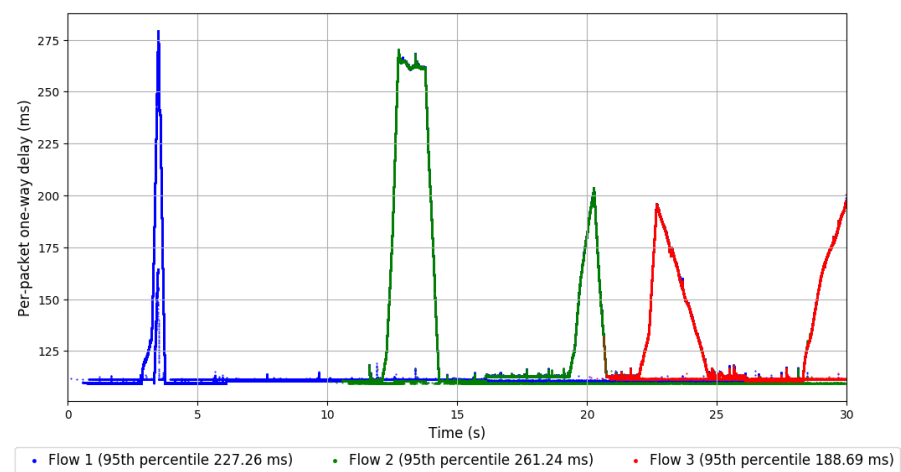
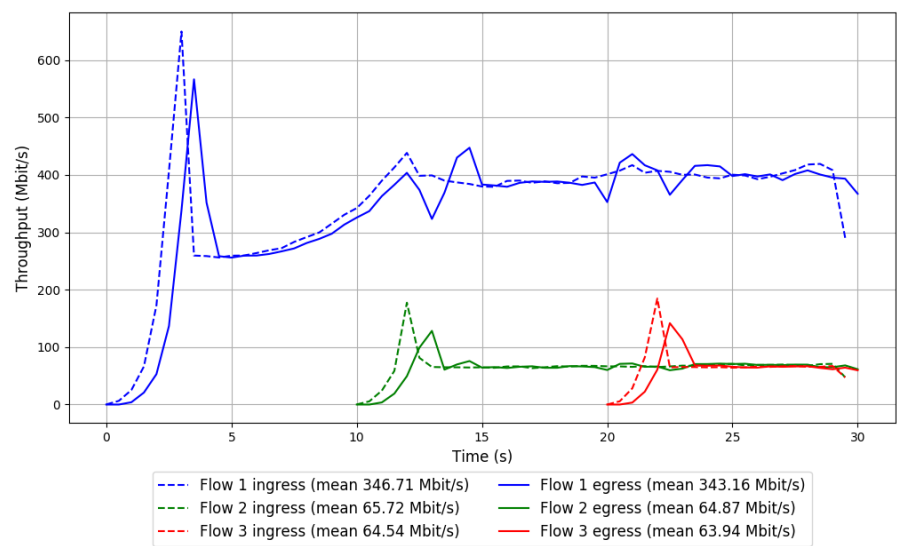


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-30 14:13:11
End at: 2018-05-30 14:13:41
Local clock offset: -0.173 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-05-30 17:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.28 Mbit/s
95th percentile per-packet one-way delay: 225.375 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 343.16 Mbit/s
95th percentile per-packet one-way delay: 227.257 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 261.244 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 63.94 Mbit/s
95th percentile per-packet one-way delay: 188.690 ms
Loss rate: 0.90%

Run 5: Report of PCC-Allegro — Data Link

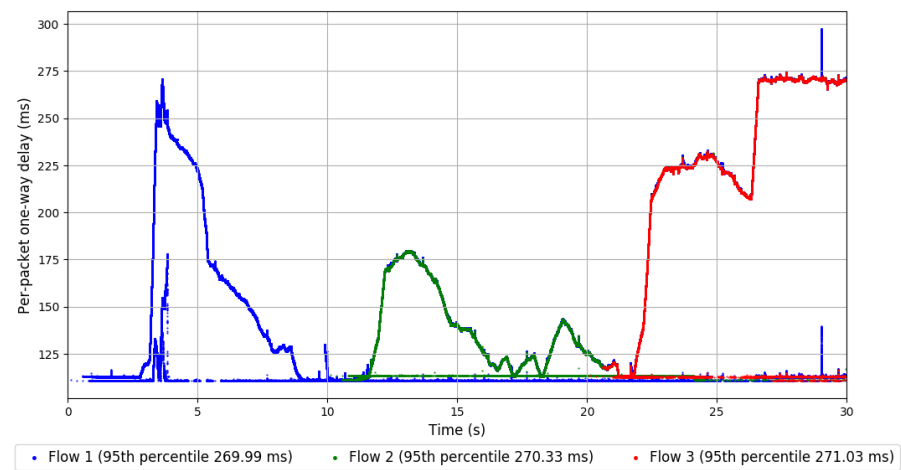
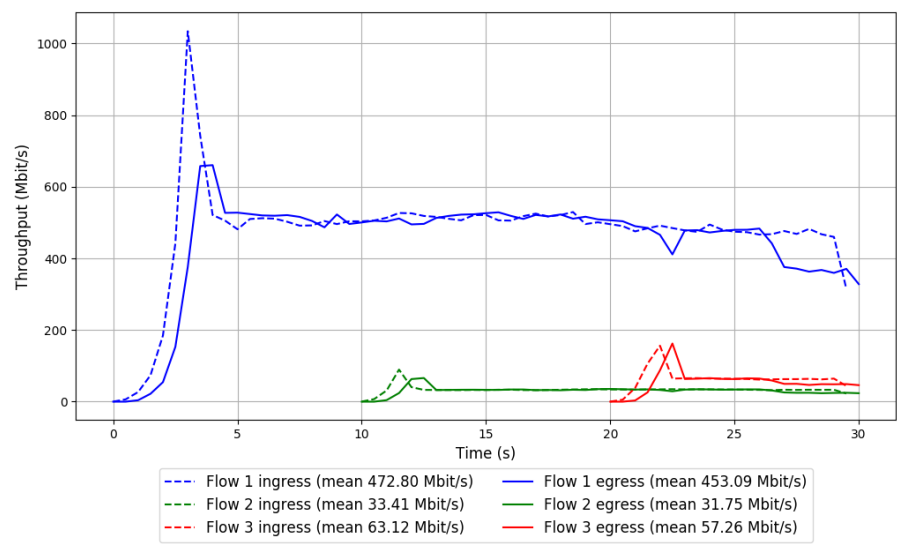


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-30 14:36:43
End at: 2018-05-30 14:37:13
Local clock offset: -0.431 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-30 17:33:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.00 Mbit/s
95th percentile per-packet one-way delay: 270.107 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 453.09 Mbit/s
95th percentile per-packet one-way delay: 269.989 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 270.331 ms
Loss rate: 4.96%
-- Flow 3:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 271.028 ms
Loss rate: 9.30%

Run 6: Report of PCC-Allegro — Data Link

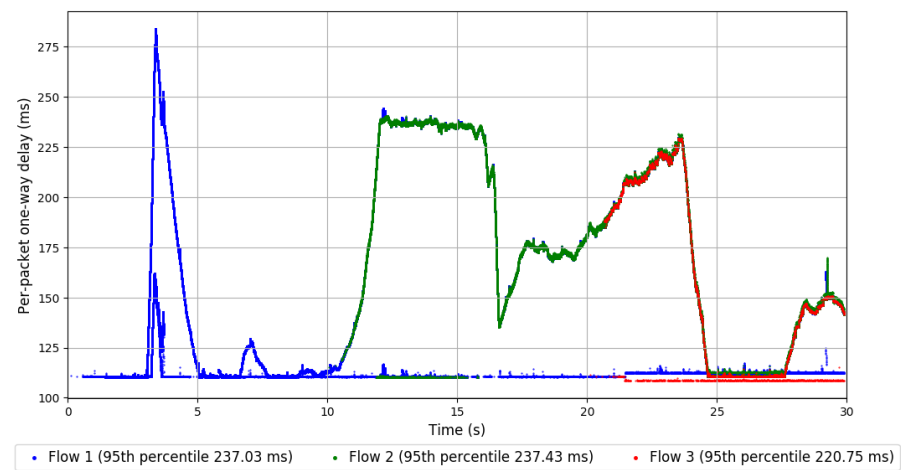
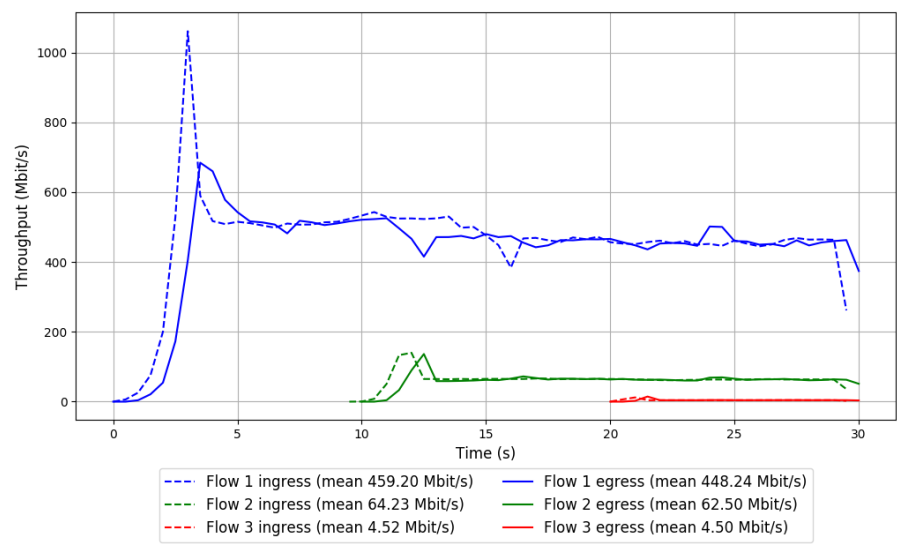


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-30 15:00:25
End at: 2018-05-30 15:00:55
Local clock offset: 0.06 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-30 17:37:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 491.25 Mbit/s
95th percentile per-packet one-way delay: 237.075 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 448.24 Mbit/s
95th percentile per-packet one-way delay: 237.032 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 237.428 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 220.753 ms
Loss rate: 0.27%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-30 15:24:04

End at: 2018-05-30 15:24:34

Local clock offset: -0.204 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-05-30 17:37:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 486.51 Mbit/s

95th percentile per-packet one-way delay: 268.785 ms

Loss rate: 4.58%

-- Flow 1:

Average throughput: 426.67 Mbit/s

95th percentile per-packet one-way delay: 268.965 ms

Loss rate: 4.80%

-- Flow 2:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 269.080 ms

Loss rate: 5.08%

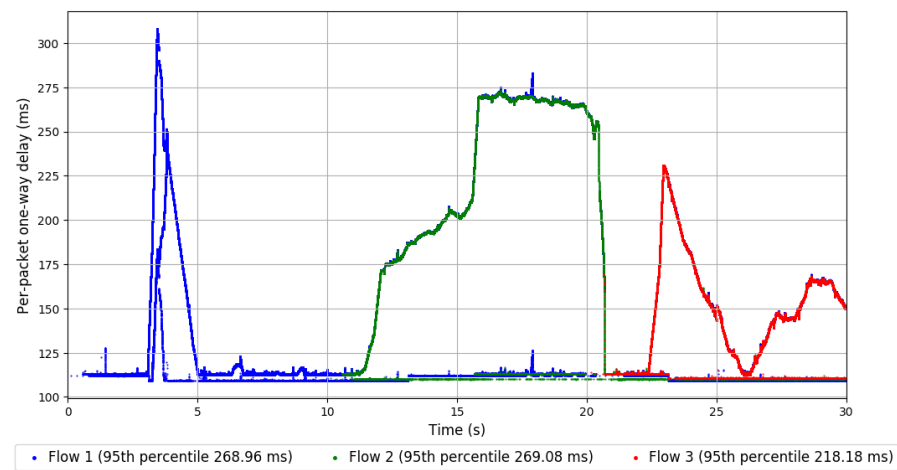
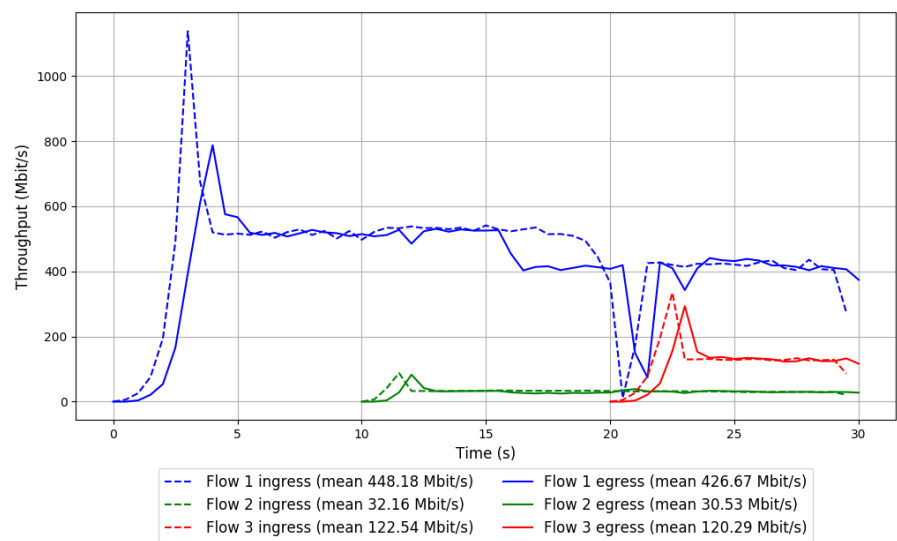
-- Flow 3:

Average throughput: 120.29 Mbit/s

95th percentile per-packet one-way delay: 218.181 ms

Loss rate: 1.87%

Run 8: Report of PCC-Allegro — Data Link

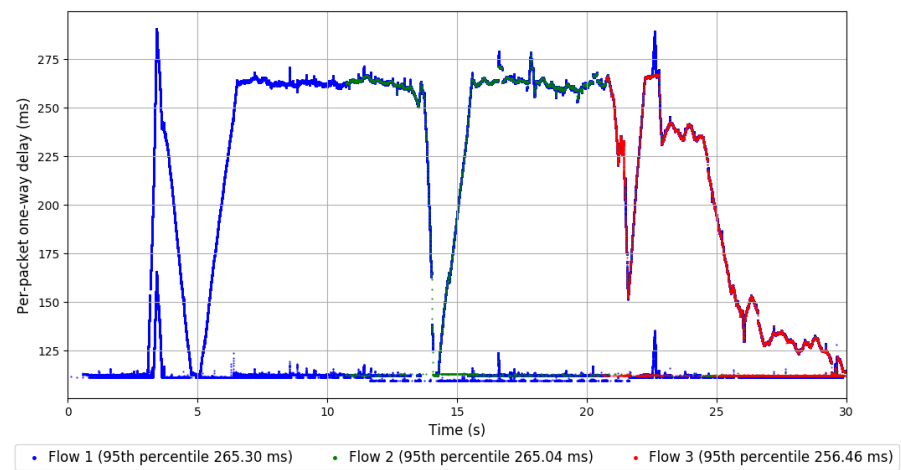
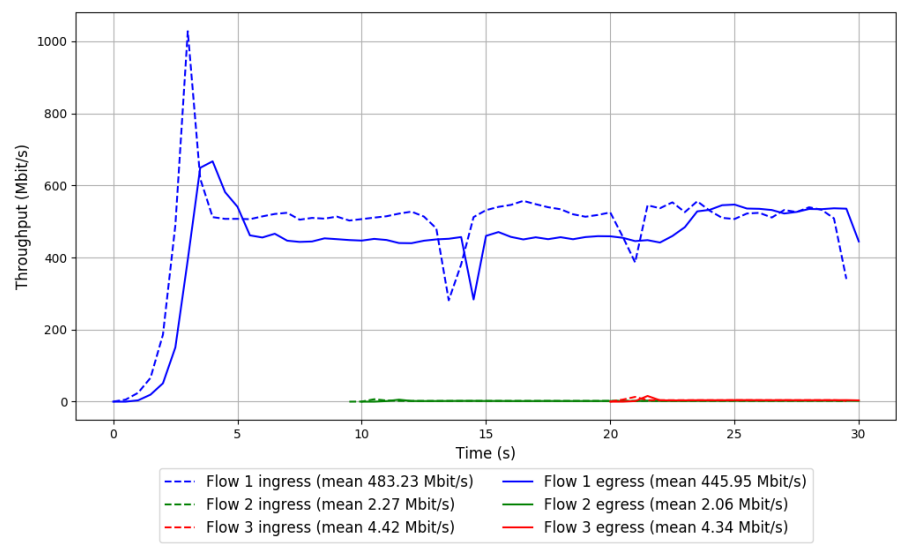


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-30 15:47:15
End at: 2018-05-30 15:47:45
Local clock offset: -0.157 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-05-30 17:37:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 448.75 Mbit/s
95th percentile per-packet one-way delay: 265.301 ms
Loss rate: 7.70%
-- Flow 1:
Average throughput: 445.95 Mbit/s
95th percentile per-packet one-way delay: 265.304 ms
Loss rate: 7.72%
-- Flow 2:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 265.037 ms
Loss rate: 9.24%
-- Flow 3:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 256.459 ms
Loss rate: 1.80%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-30 16:11:09

End at: 2018-05-30 16:11:39

Local clock offset: -0.185 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-05-30 17:38:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 546.17 Mbit/s

95th percentile per-packet one-way delay: 227.741 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 500.07 Mbit/s

95th percentile per-packet one-way delay: 227.756 ms

Loss rate: 1.66%

-- Flow 2:

Average throughput: 61.08 Mbit/s

95th percentile per-packet one-way delay: 227.630 ms

Loss rate: 1.49%

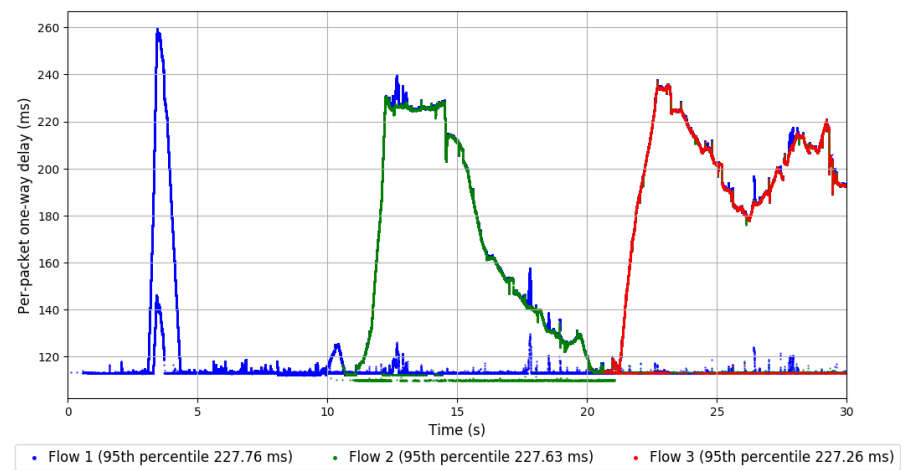
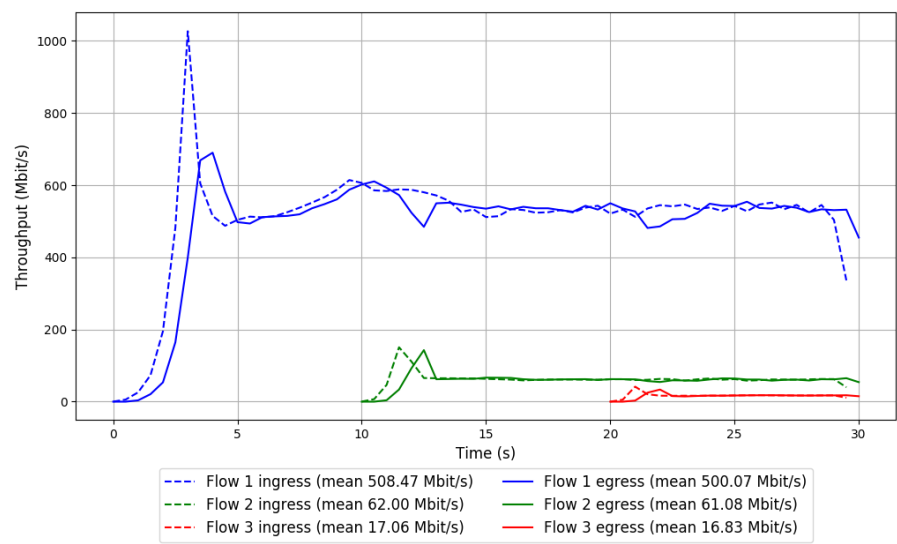
-- Flow 3:

Average throughput: 16.83 Mbit/s

95th percentile per-packet one-way delay: 227.261 ms

Loss rate: 1.42%

Run 10: Report of PCC-Allegro — Data Link

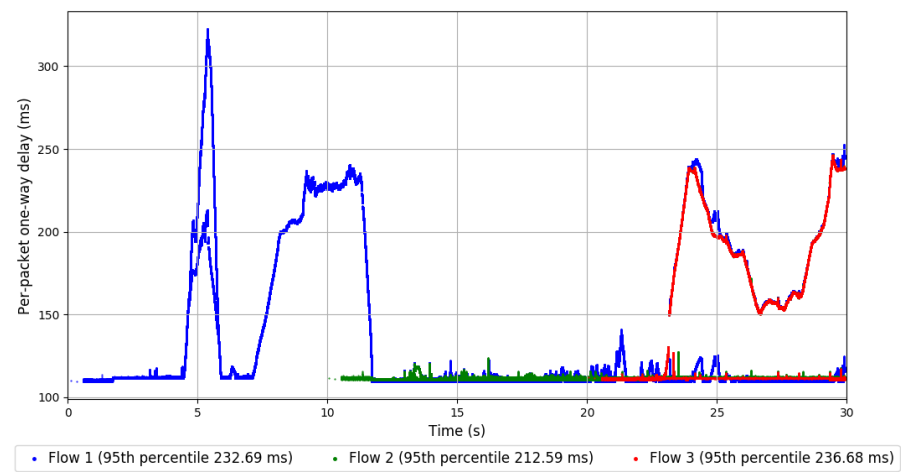
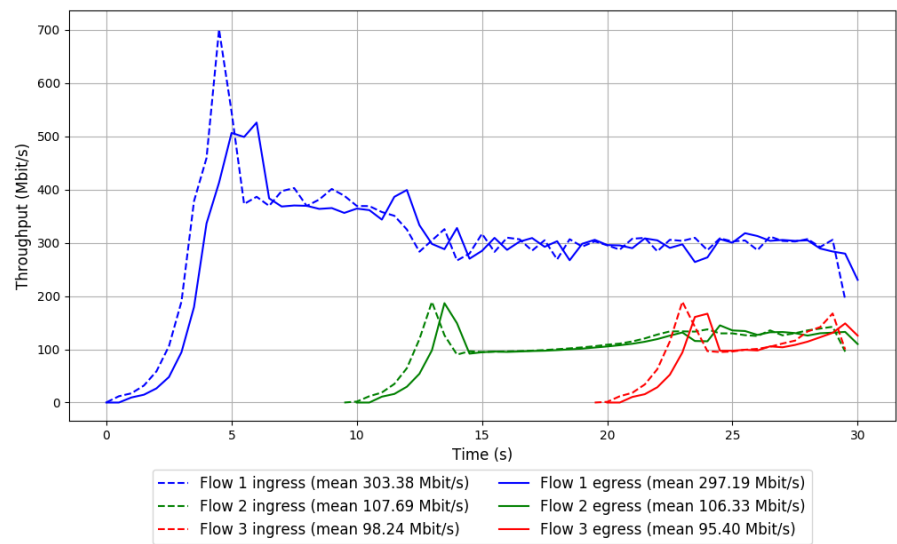


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-30 12:40:25
End at: 2018-05-30 12:40:55
Local clock offset: -0.138 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2018-05-30 17:42:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.60 Mbit/s
95th percentile per-packet one-way delay: 231.963 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 297.19 Mbit/s
95th percentile per-packet one-way delay: 232.688 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 106.33 Mbit/s
95th percentile per-packet one-way delay: 212.588 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 236.680 ms
Loss rate: 2.88%
```

Run 1: Report of PCC-Expr — Data Link

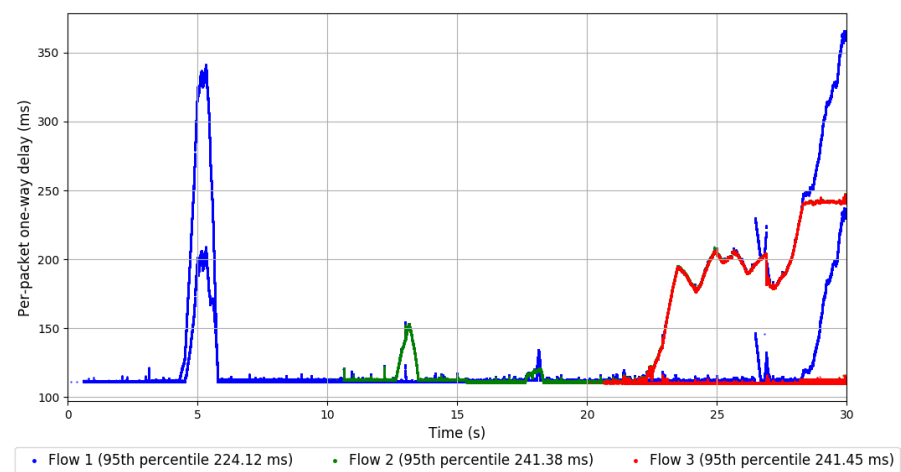
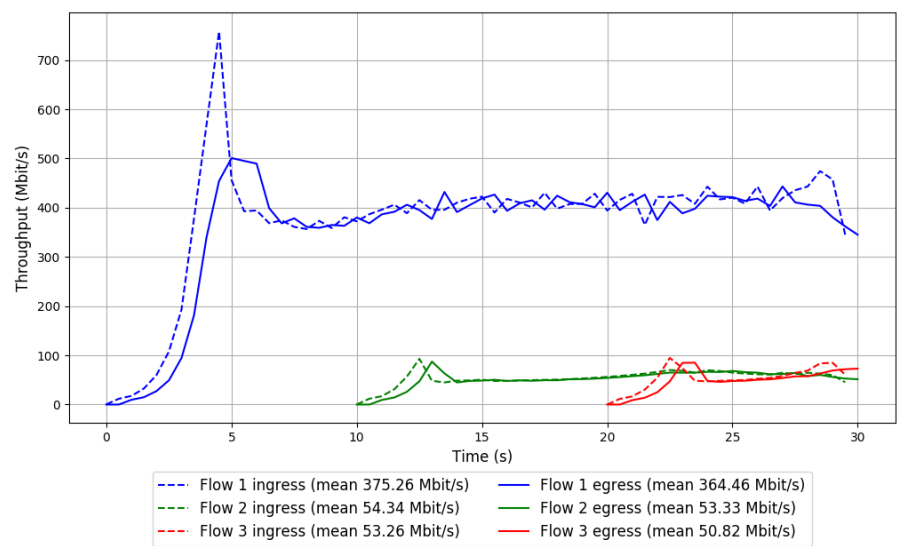


Run 2: Statistics of PCC-Expr

Start at: 2018-05-30 13:04:11
End at: 2018-05-30 13:04:41
Local clock offset: 0.264 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-05-30 17:43:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.69 Mbit/s
95th percentile per-packet one-way delay: 233.032 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 364.46 Mbit/s
95th percentile per-packet one-way delay: 224.117 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 53.33 Mbit/s
95th percentile per-packet one-way delay: 241.377 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 50.82 Mbit/s
95th percentile per-packet one-way delay: 241.450 ms
Loss rate: 4.68%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-30 13:27:38

End at: 2018-05-30 13:28:08

Local clock offset: 0.038 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-05-30 17:43:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 249.77 Mbit/s

95th percentile per-packet one-way delay: 113.002 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 111.66 Mbit/s

95th percentile per-packet one-way delay: 112.817 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 165.58 Mbit/s

95th percentile per-packet one-way delay: 112.922 ms

Loss rate: 0.01%

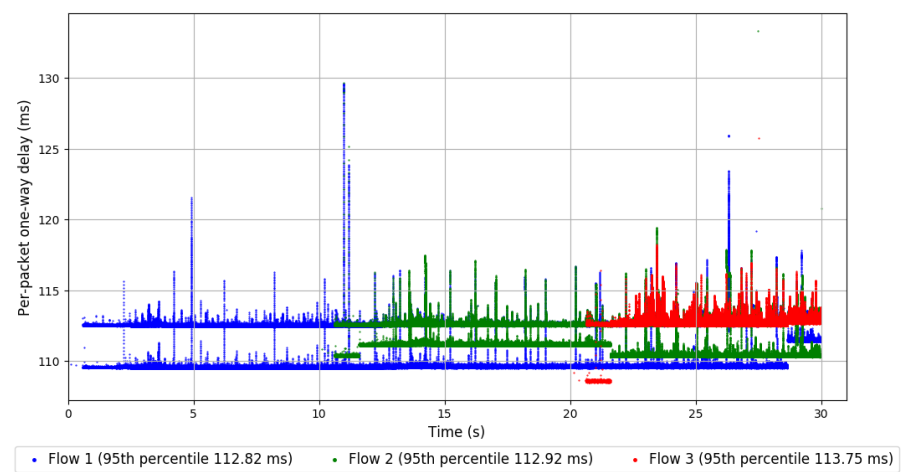
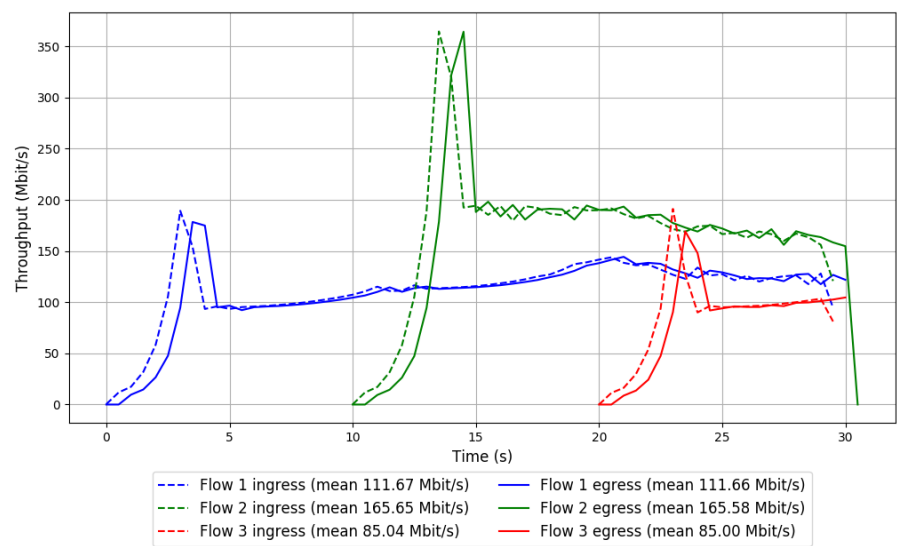
-- Flow 3:

Average throughput: 85.00 Mbit/s

95th percentile per-packet one-way delay: 113.751 ms

Loss rate: 0.03%

Run 3: Report of PCC-Expr — Data Link

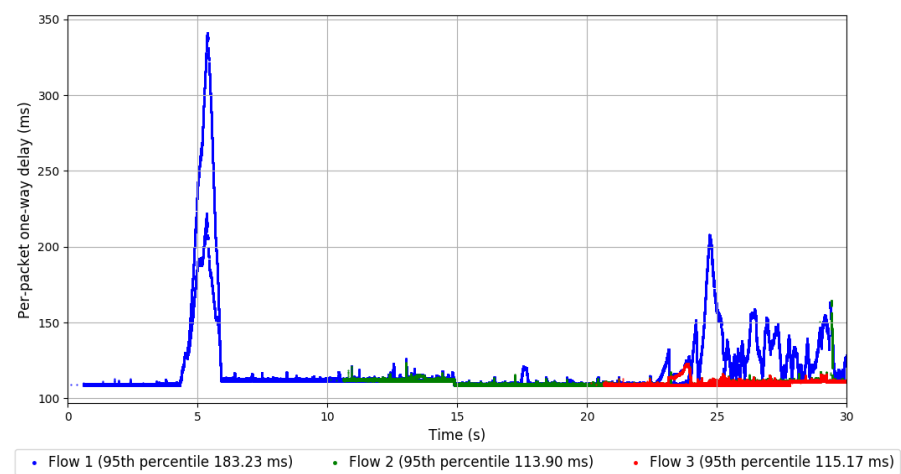
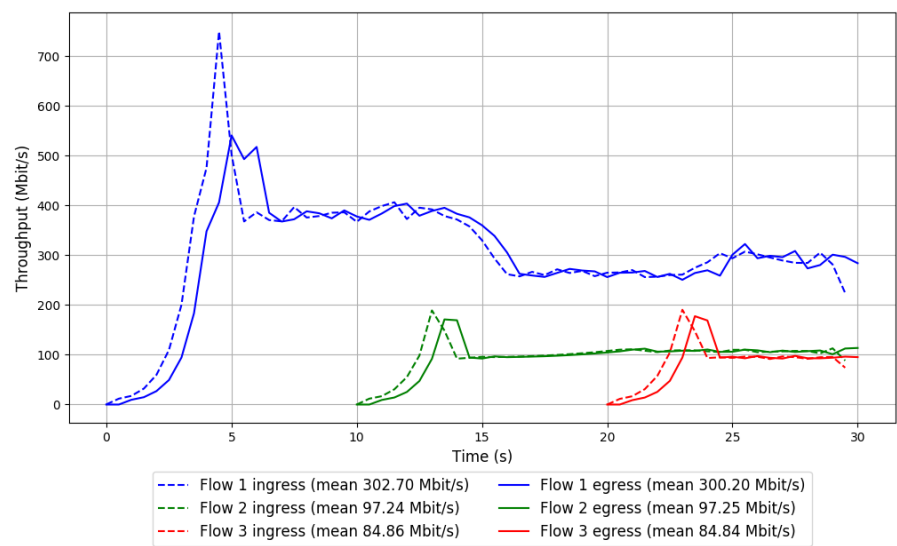


Run 4: Statistics of PCC-Expr

Start at: 2018-05-30 13:51:12
End at: 2018-05-30 13:51:42
Local clock offset: -0.037 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-30 17:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.88 Mbit/s
95th percentile per-packet one-way delay: 165.649 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 300.20 Mbit/s
95th percentile per-packet one-way delay: 183.231 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 113.902 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 115.170 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

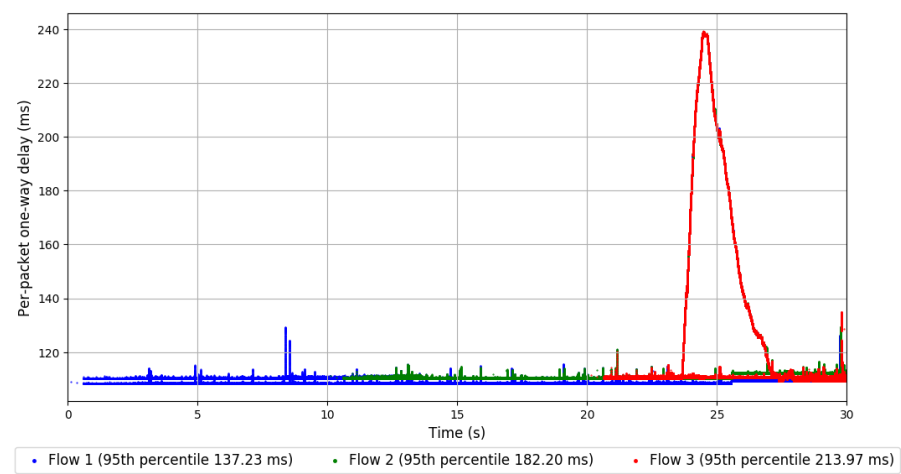
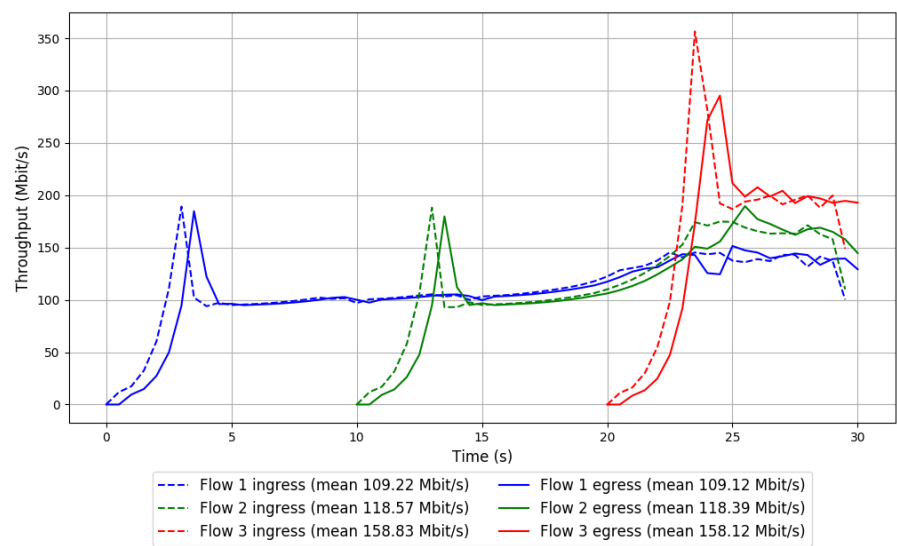


Run 5: Statistics of PCC-Expr

Start at: 2018-05-30 14:14:41
End at: 2018-05-30 14:15:11
Local clock offset: -0.133 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-05-30 17:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.92 Mbit/s
95th percentile per-packet one-way delay: 184.931 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 109.12 Mbit/s
95th percentile per-packet one-way delay: 137.226 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 118.39 Mbit/s
95th percentile per-packet one-way delay: 182.200 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 158.12 Mbit/s
95th percentile per-packet one-way delay: 213.973 ms
Loss rate: 0.45%

Run 5: Report of PCC-Expr — Data Link

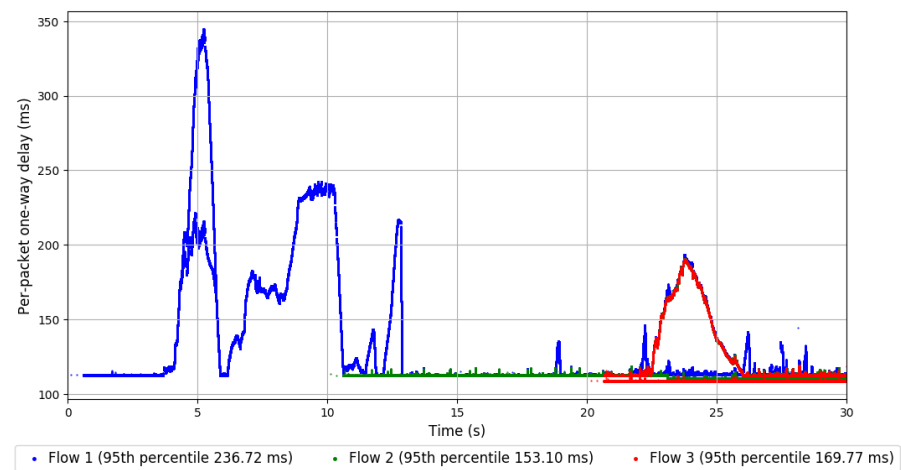
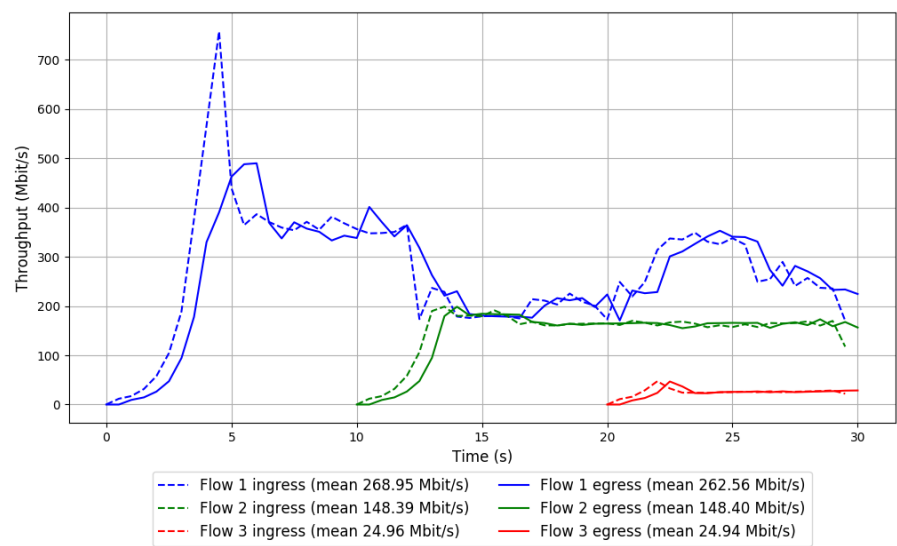


Run 6: Statistics of PCC-Expr

Start at: 2018-05-30 14:38:17
End at: 2018-05-30 14:38:47
Local clock offset: -0.036 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-30 17:50:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.41 Mbit/s
95th percentile per-packet one-way delay: 233.134 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 262.56 Mbit/s
95th percentile per-packet one-way delay: 236.715 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 148.40 Mbit/s
95th percentile per-packet one-way delay: 153.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 169.770 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

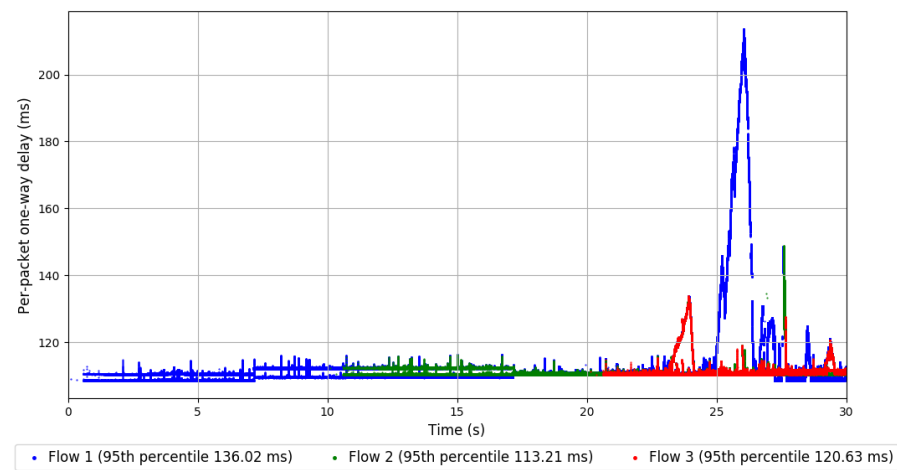
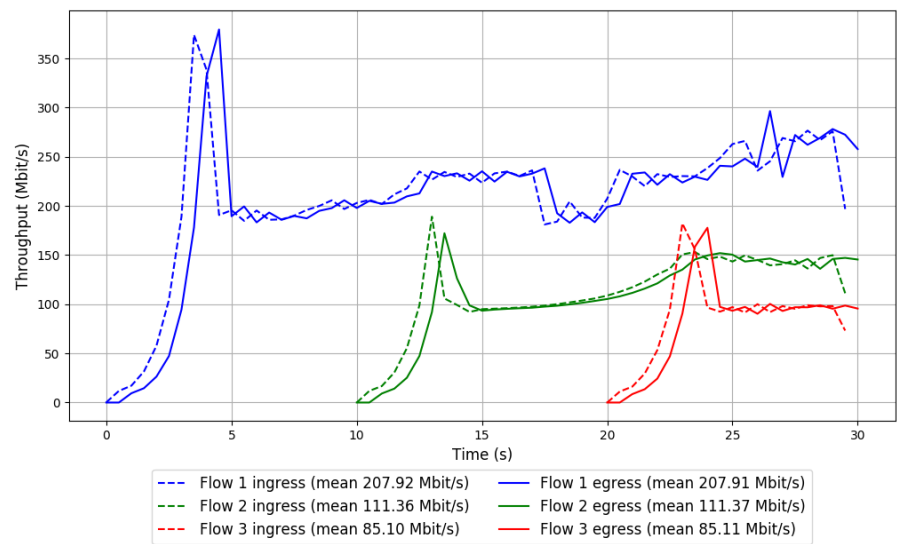


Run 7: Statistics of PCC-Expr

Start at: 2018-05-30 15:02:00
End at: 2018-05-30 15:02:30
Local clock offset: -0.115 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-30 17:50:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.98 Mbit/s
95th percentile per-packet one-way delay: 126.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.91 Mbit/s
95th percentile per-packet one-way delay: 136.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 111.37 Mbit/s
95th percentile per-packet one-way delay: 113.208 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 120.634 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

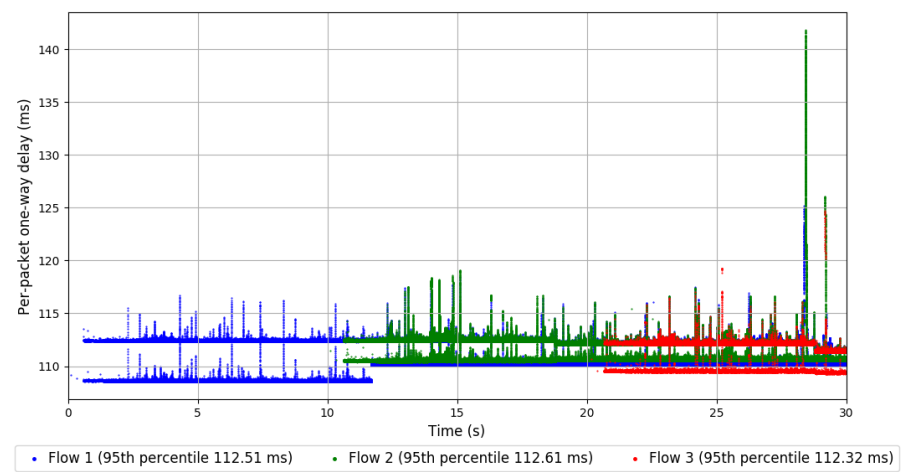
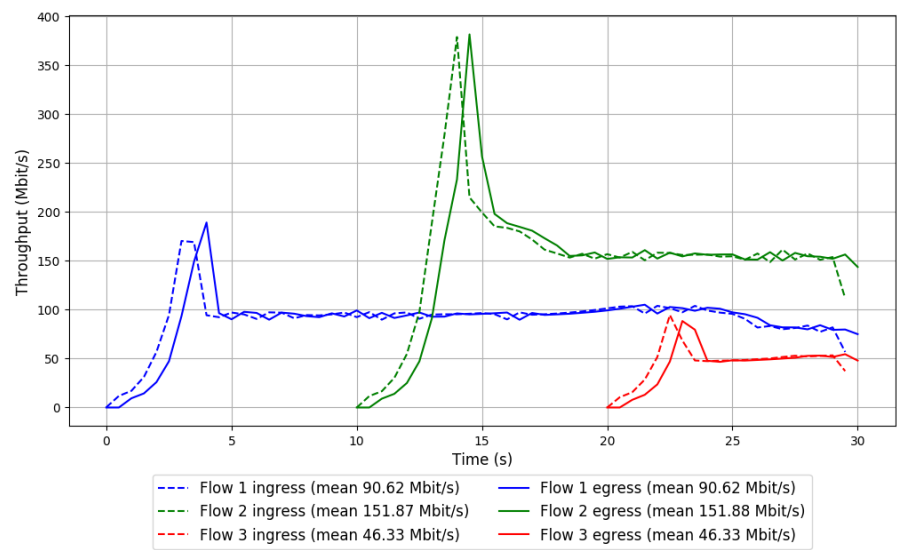


Run 8: Statistics of PCC-Expr

Start at: 2018-05-30 15:25:38
End at: 2018-05-30 15:26:08
Local clock offset: -0.013 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-05-30 17:50:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.80 Mbit/s
95th percentile per-packet one-way delay: 112.546 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 112.508 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 151.88 Mbit/s
95th percentile per-packet one-way delay: 112.608 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.33 Mbit/s
95th percentile per-packet one-way delay: 112.316 ms
Loss rate: 0.03%

Run 8: Report of PCC-Expr — Data Link

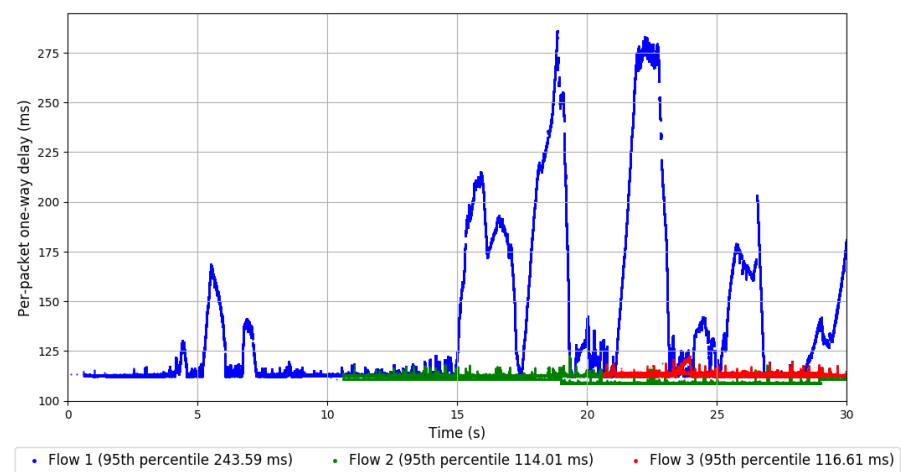
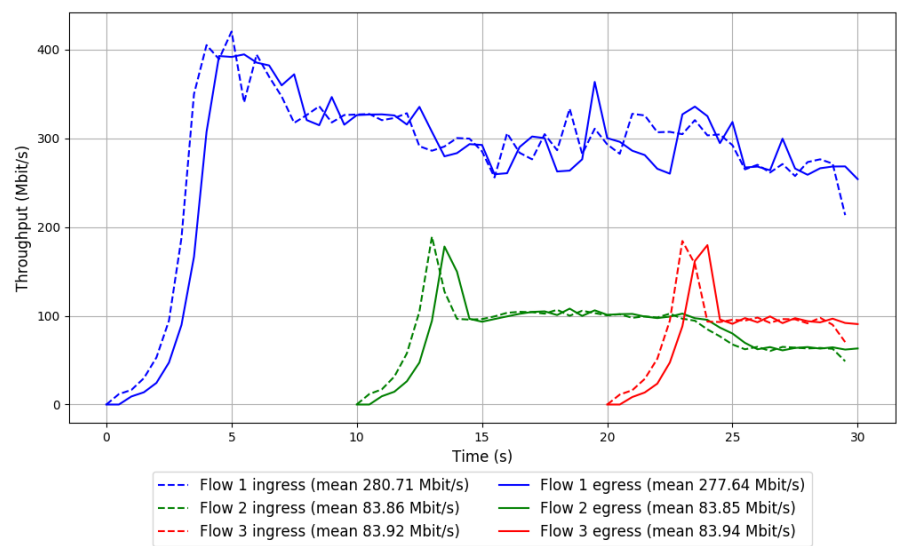


Run 9: Statistics of PCC-Expr

Start at: 2018-05-30 15:48:48
End at: 2018-05-30 15:49:18
Local clock offset: -0.254 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-05-30 17:52:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.06 Mbit/s
95th percentile per-packet one-way delay: 224.225 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 277.64 Mbit/s
95th percentile per-packet one-way delay: 243.587 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 114.006 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 116.614 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

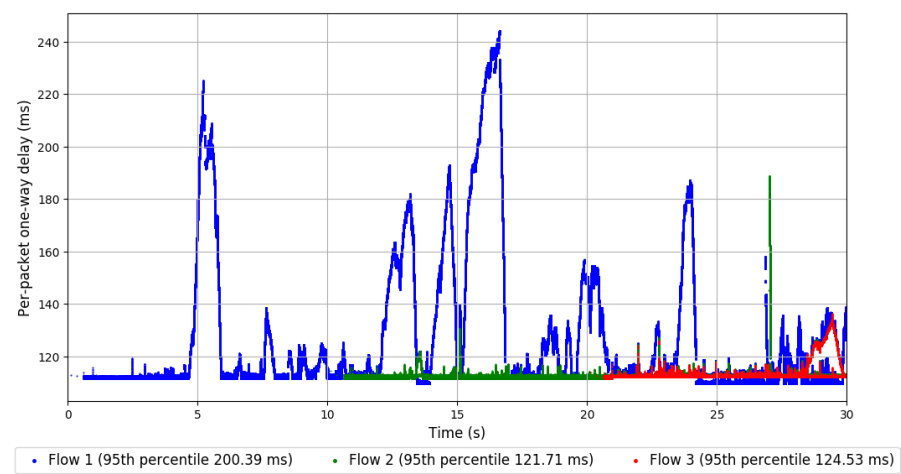
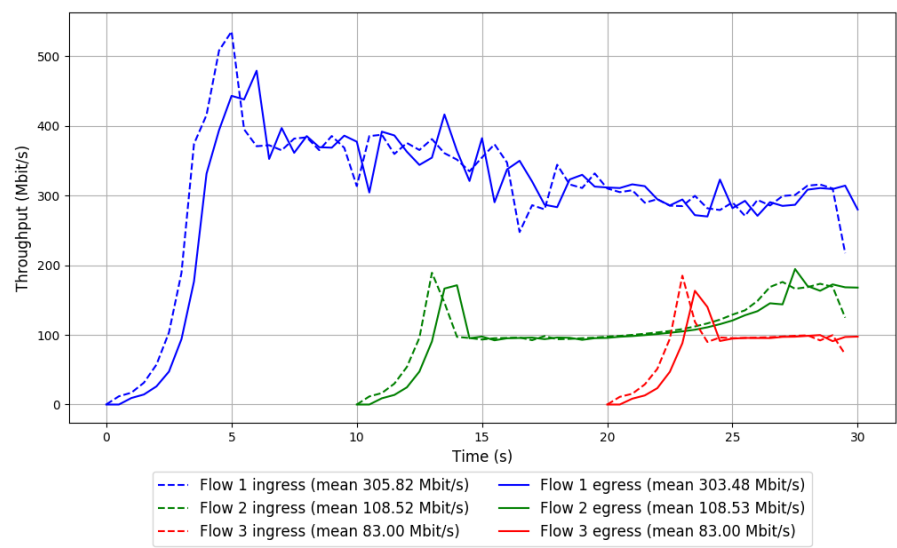


Run 10: Statistics of PCC-Expr

Start at: 2018-05-30 16:12:46
End at: 2018-05-30 16:13:16
Local clock offset: -0.229 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 402.96 Mbit/s
95th percentile per-packet one-way delay: 193.017 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 303.48 Mbit/s
95th percentile per-packet one-way delay: 200.391 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 108.53 Mbit/s
95th percentile per-packet one-way delay: 121.714 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 124.533 ms
Loss rate: 0.01%

Run 10: Report of PCC-Expr — Data Link

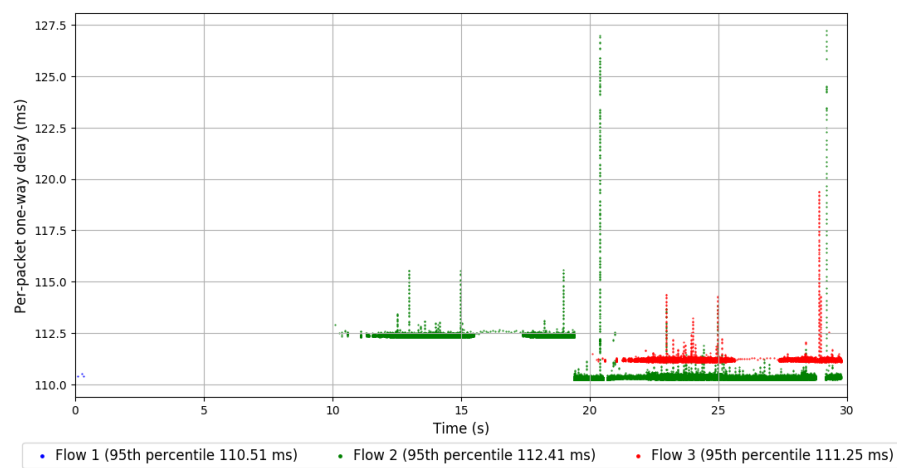
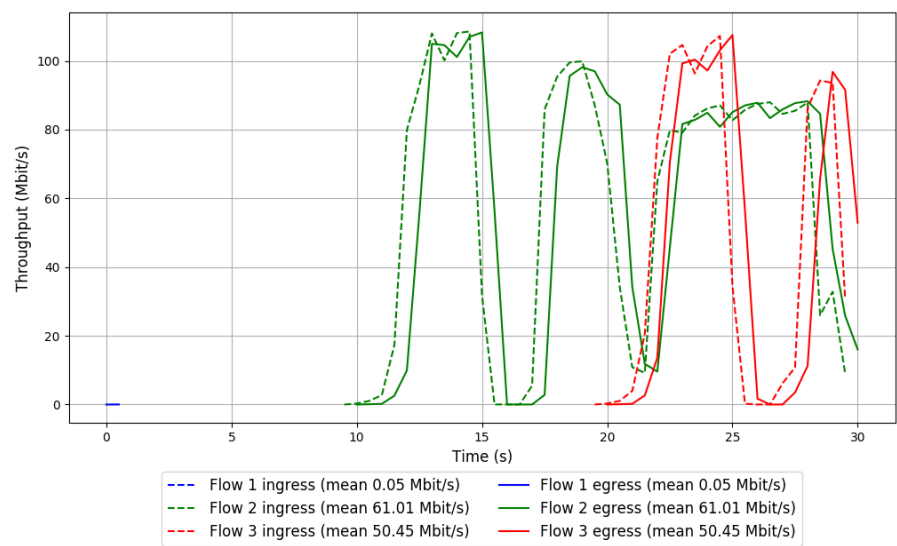


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-30 12:51:27
End at: 2018-05-30 12:51:57
Local clock offset: -0.071 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 112.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 112.407 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.45 Mbit/s
95th percentile per-packet one-way delay: 111.252 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

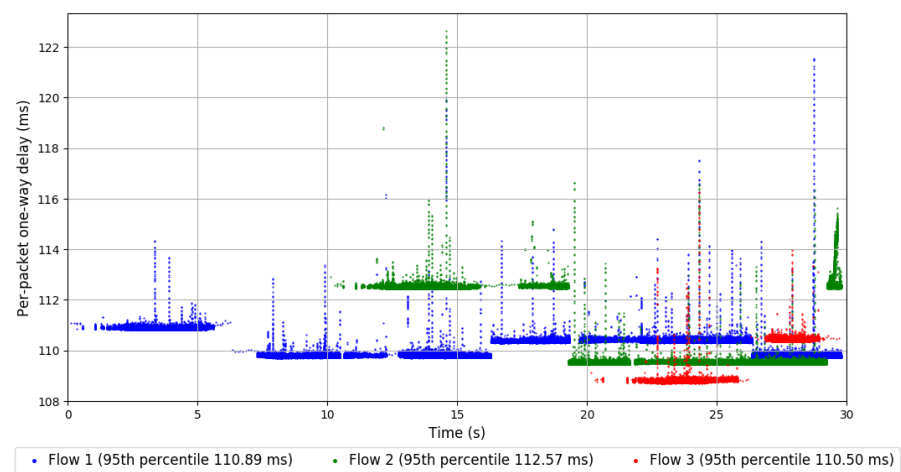
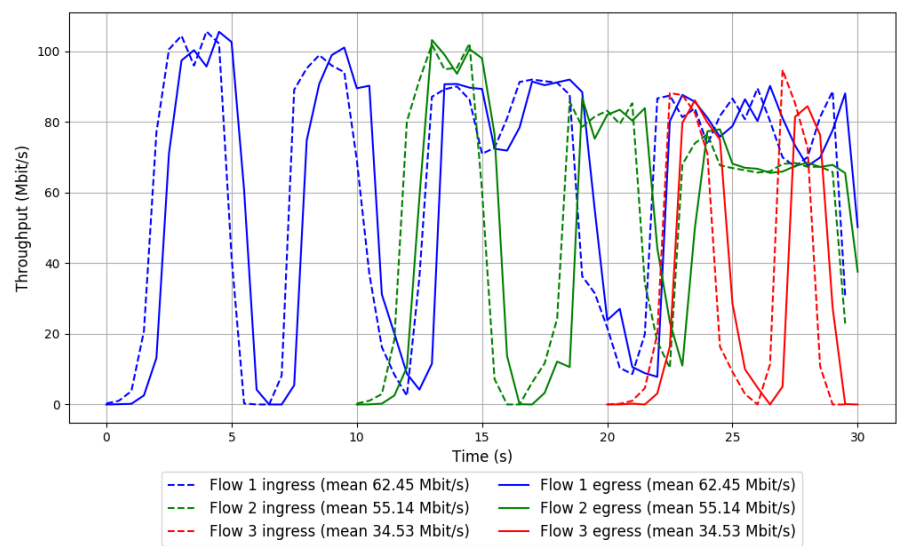


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-30 13:15:10
End at: 2018-05-30 13:15:40
Local clock offset: -0.147 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.07 Mbit/s
95th percentile per-packet one-way delay: 112.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 110.895 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 112.566 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 110.503 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

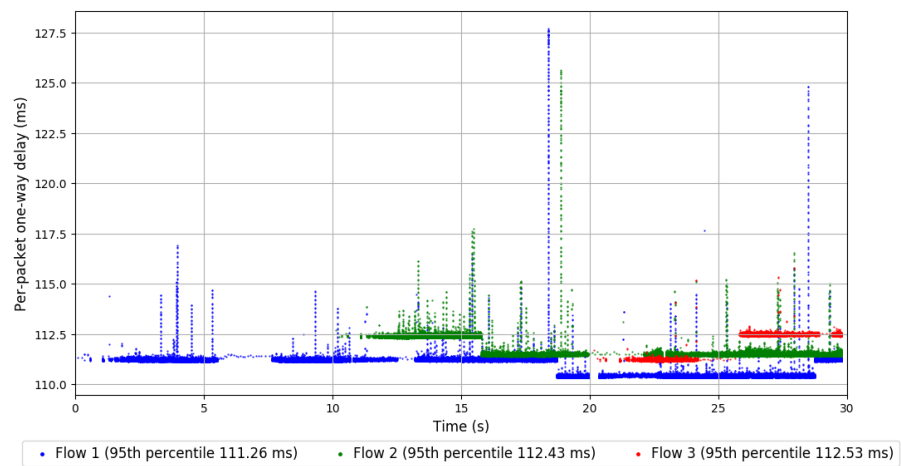
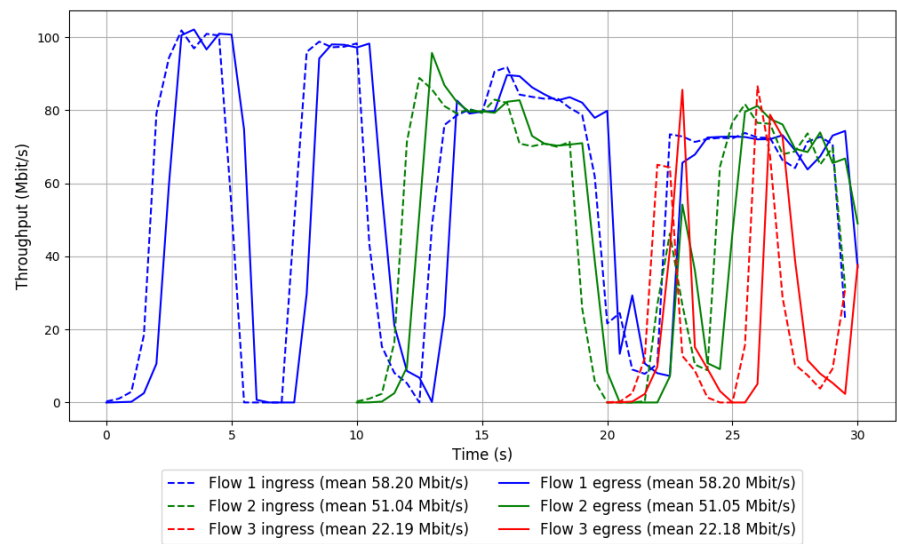


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-30 13:38:31
End at: 2018-05-30 13:39:01
Local clock offset: 0.044 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.22 Mbit/s
95th percentile per-packet one-way delay: 112.434 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 111.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.05 Mbit/s
95th percentile per-packet one-way delay: 112.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 112.528 ms
Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link

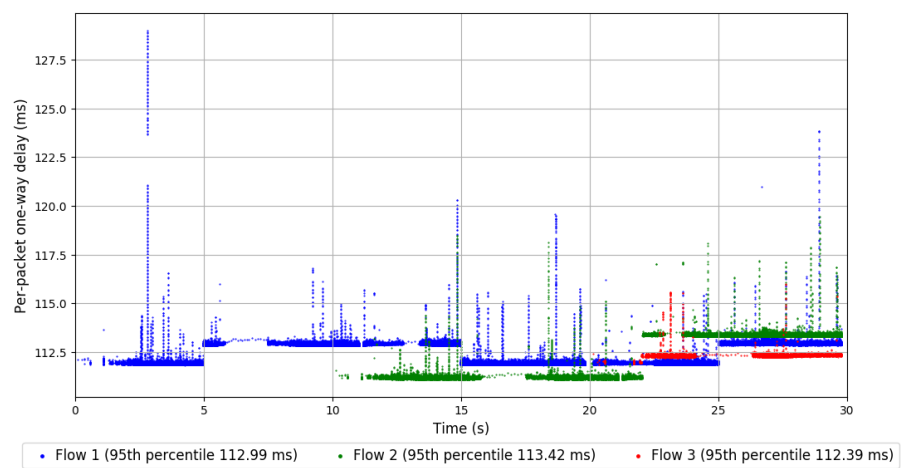
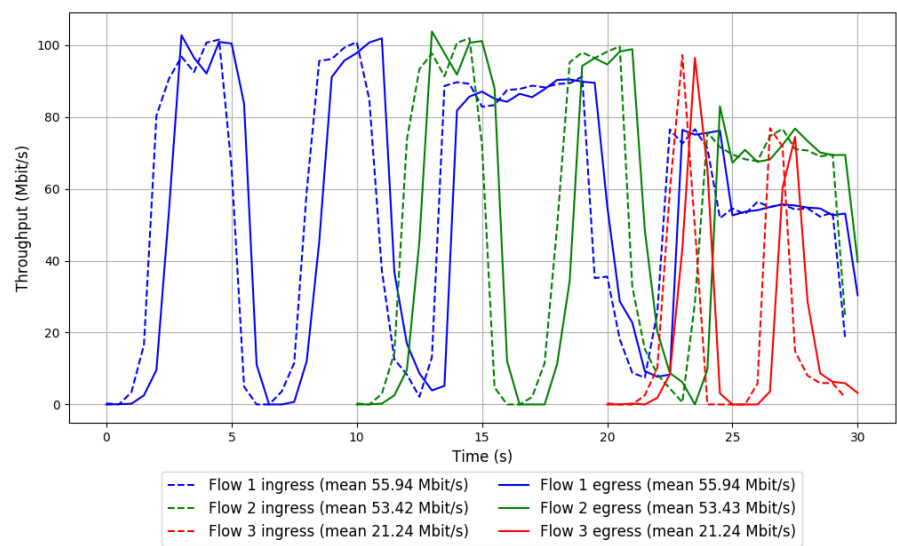


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-30 14:02:04
End at: 2018-05-30 14:02:34
Local clock offset: -0.329 ms
Remote clock offset: 0.334 ms

```
# Below is generated by plot.py at 2018-05-30 17:56:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.25 Mbit/s
95th percentile per-packet one-way delay: 113.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 112.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 113.422 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 112.385 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

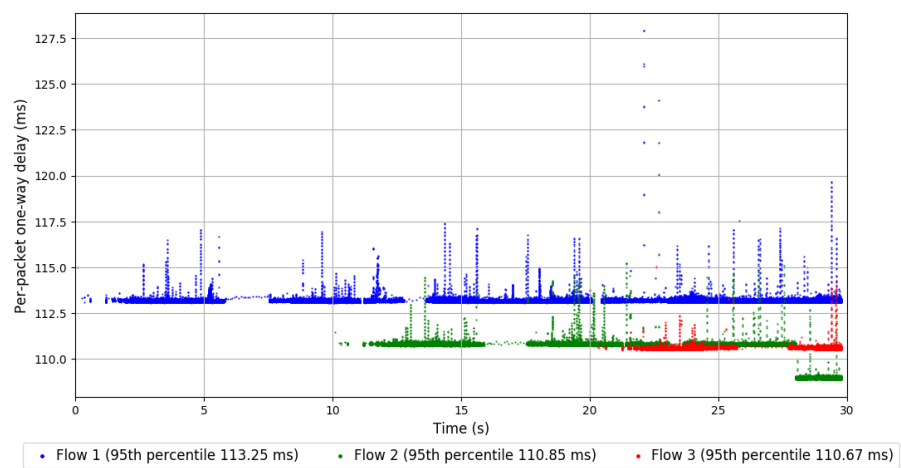
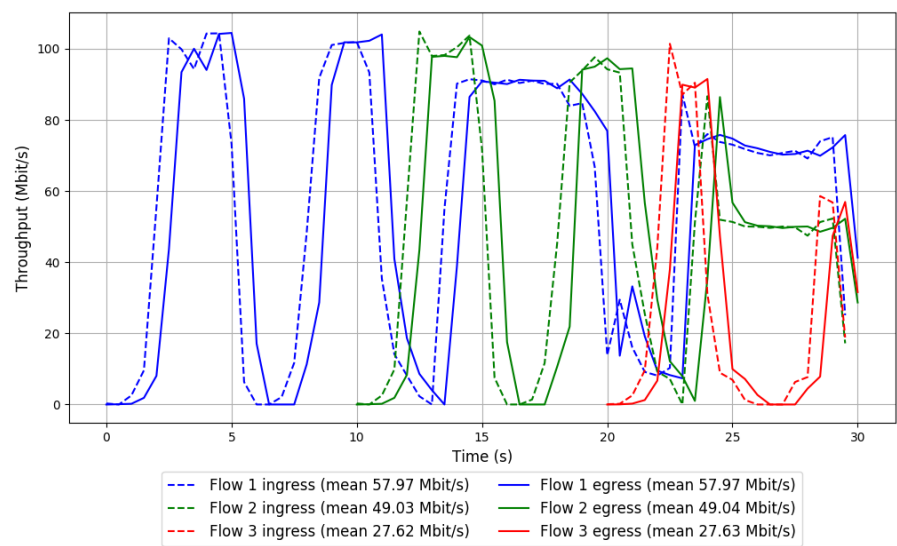


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-30 14:25:28
End at: 2018-05-30 14:25:58
Local clock offset: -0.293 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.45 Mbit/s
95th percentile per-packet one-way delay: 113.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 113.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 110.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 110.674 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

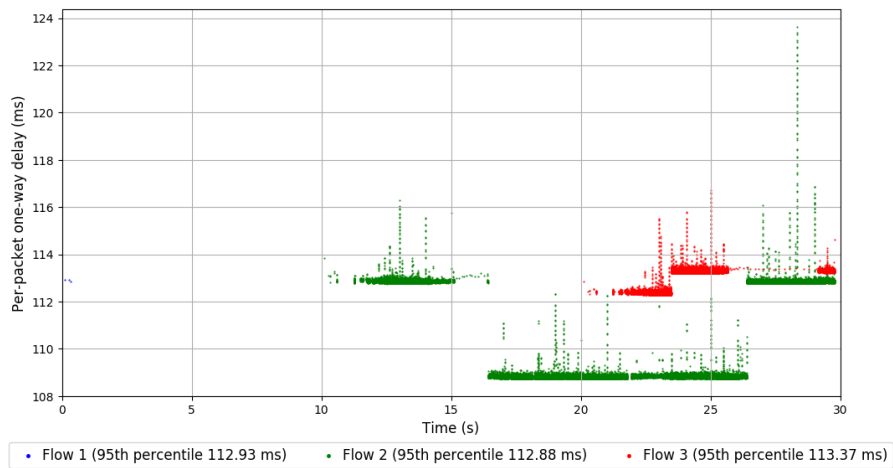
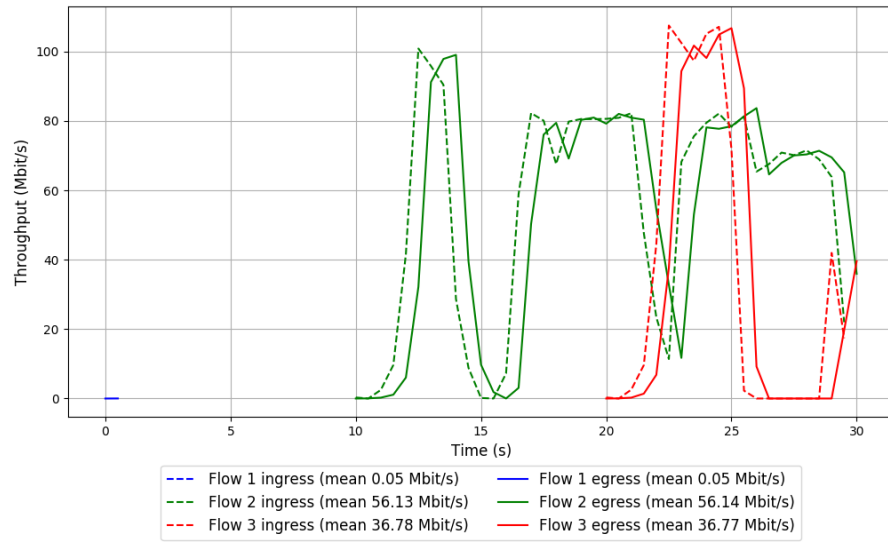


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-30 14:49:13
End at: 2018-05-30 14:49:43
Local clock offset: -0.144 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 113.311 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 112.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 112.878 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 113.374 ms
Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-30 15:12:46

End at: 2018-05-30 15:13:16

Local clock offset: -0.137 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-05-30 17:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.58 Mbit/s

95th percentile per-packet one-way delay: 112.585 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 112.354 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.28 Mbit/s

95th percentile per-packet one-way delay: 111.386 ms

Loss rate: 0.00%

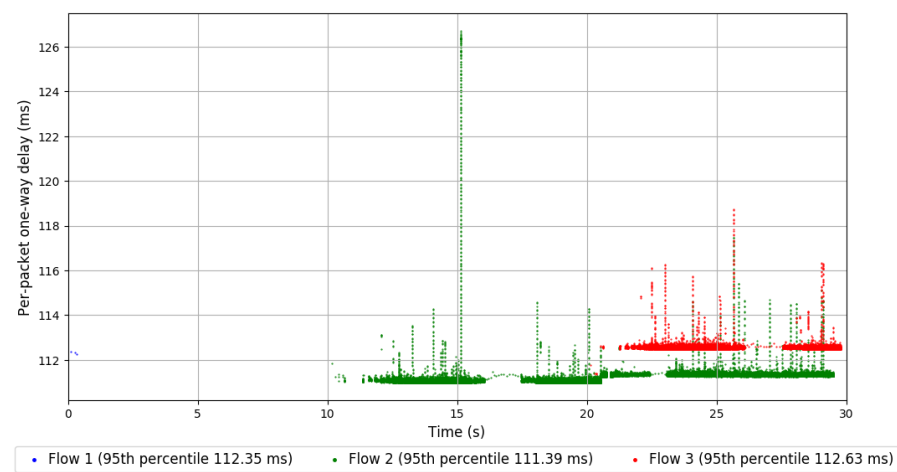
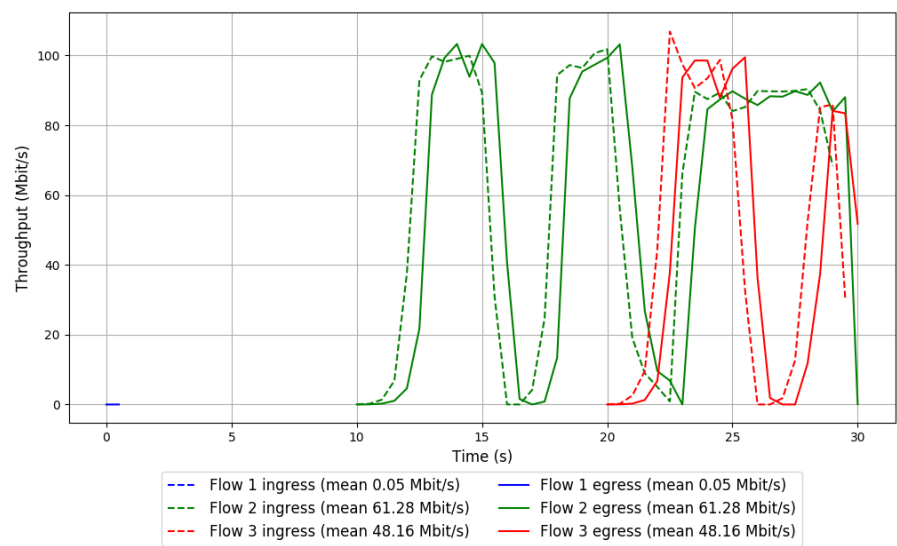
-- Flow 3:

Average throughput: 48.16 Mbit/s

95th percentile per-packet one-way delay: 112.629 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

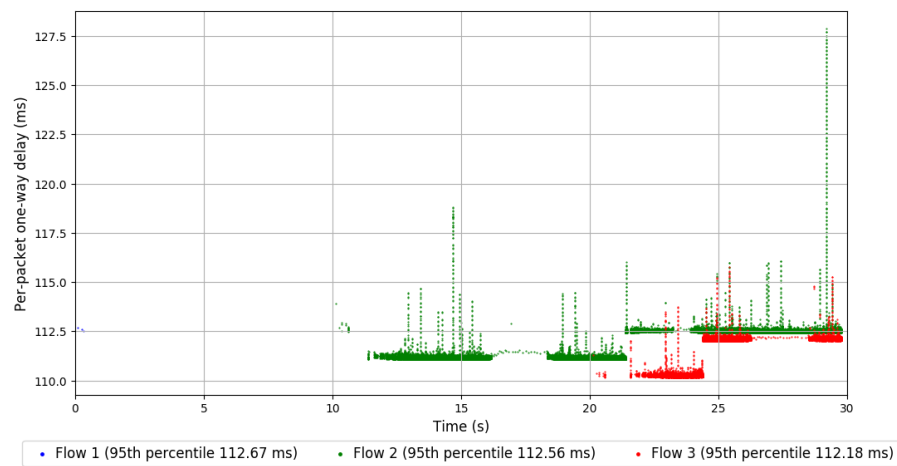
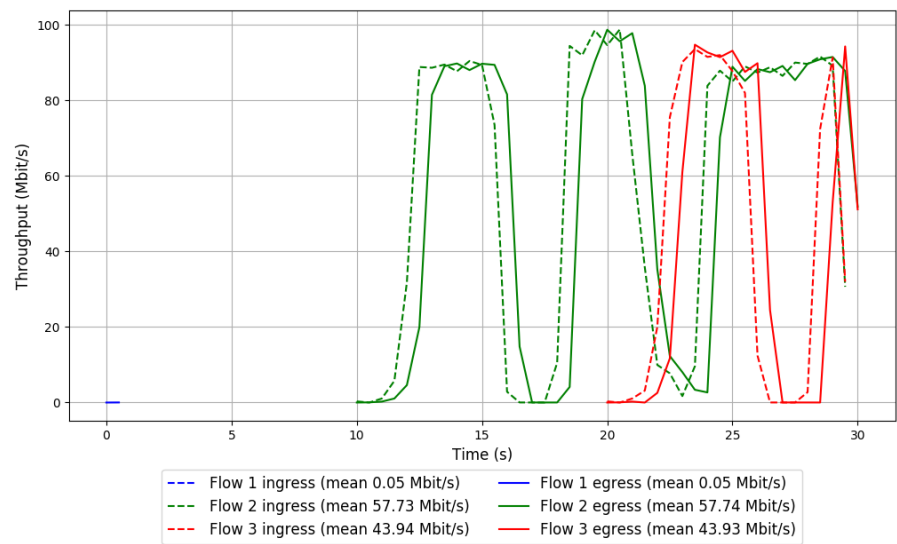


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-30 15:36:15
End at: 2018-05-30 15:36:45
Local clock offset: 0.027 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 112.546 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 112.672 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 112.558 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 112.181 ms
Loss rate: 0.02%

Run 8: Report of QUIC Cubic — Data Link

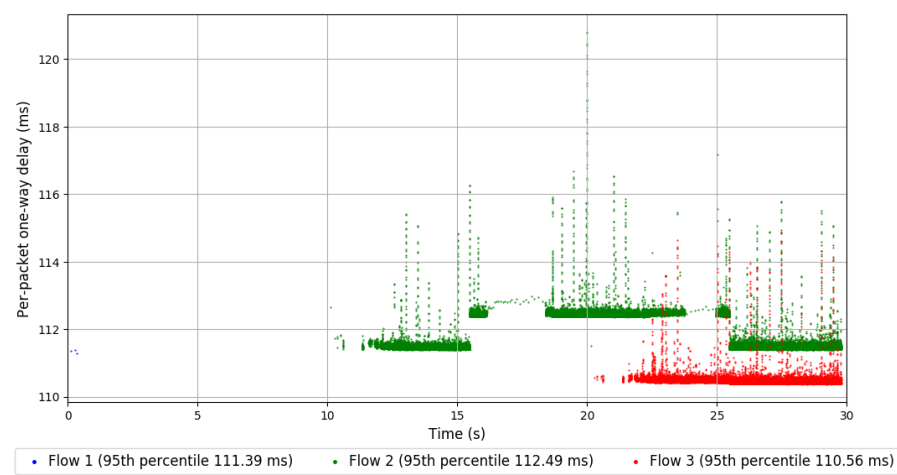
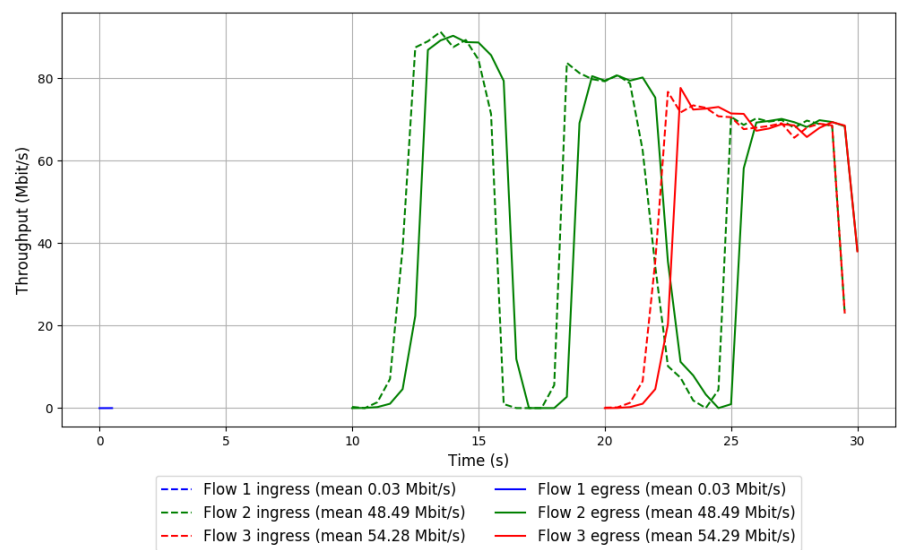


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-30 15:59:51
End at: 2018-05-30 16:00:21
Local clock offset: -0.355 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 112.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 111.387 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 112.490 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.29 Mbit/s
95th percentile per-packet one-way delay: 110.564 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-30 16:23:48

End at: 2018-05-30 16:24:18

Local clock offset: -0.705 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-05-30 17:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.62 Mbit/s

95th percentile per-packet one-way delay: 112.788 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 112.030 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.54 Mbit/s

95th percentile per-packet one-way delay: 112.804 ms

Loss rate: 0.00%

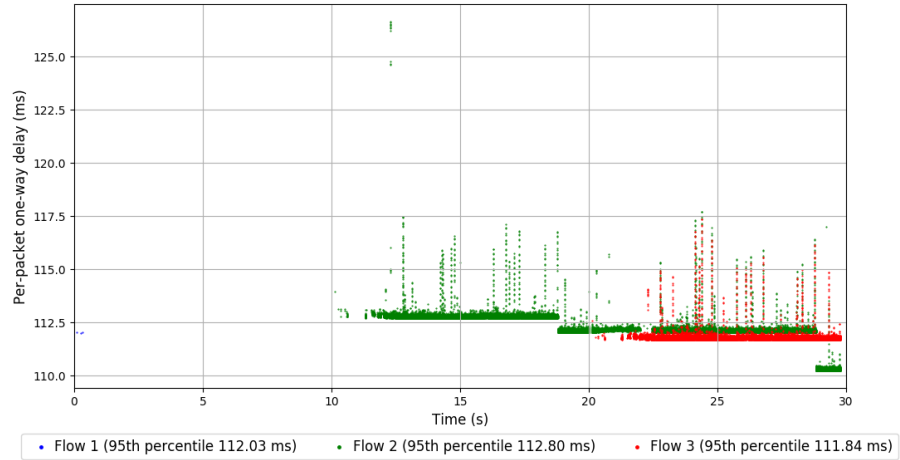
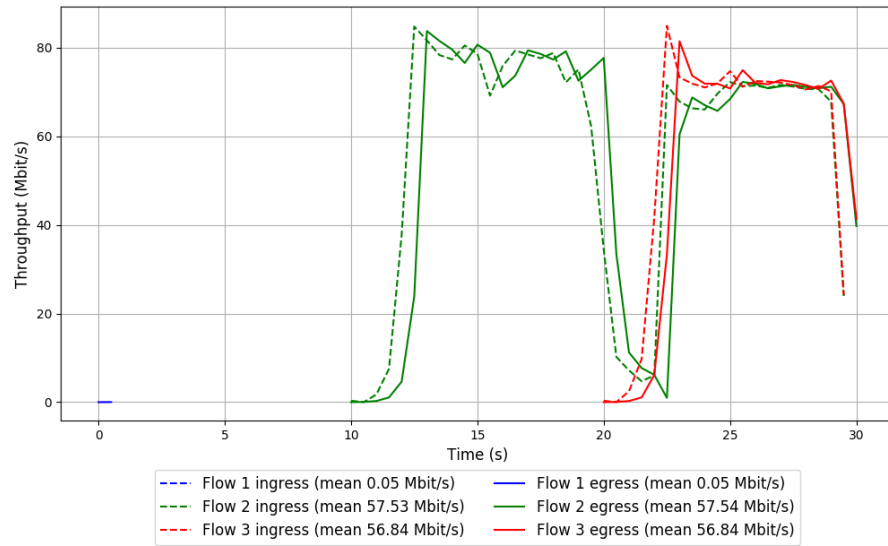
-- Flow 3:

Average throughput: 56.84 Mbit/s

95th percentile per-packet one-way delay: 111.836 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

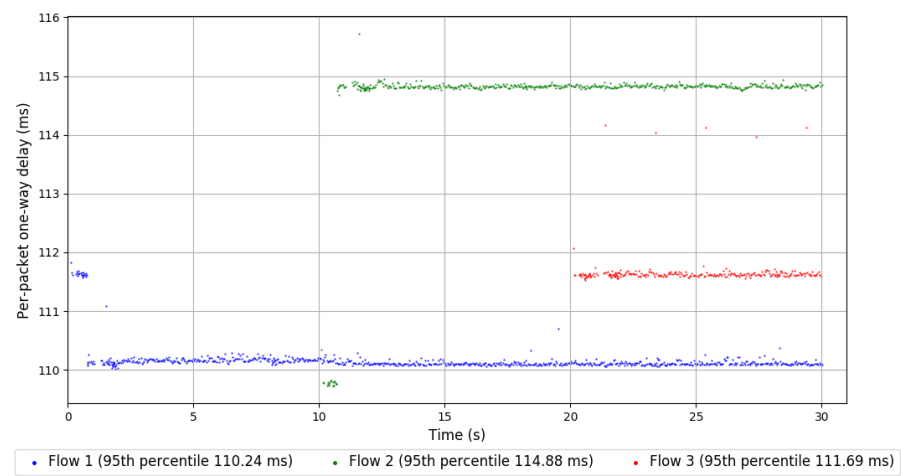
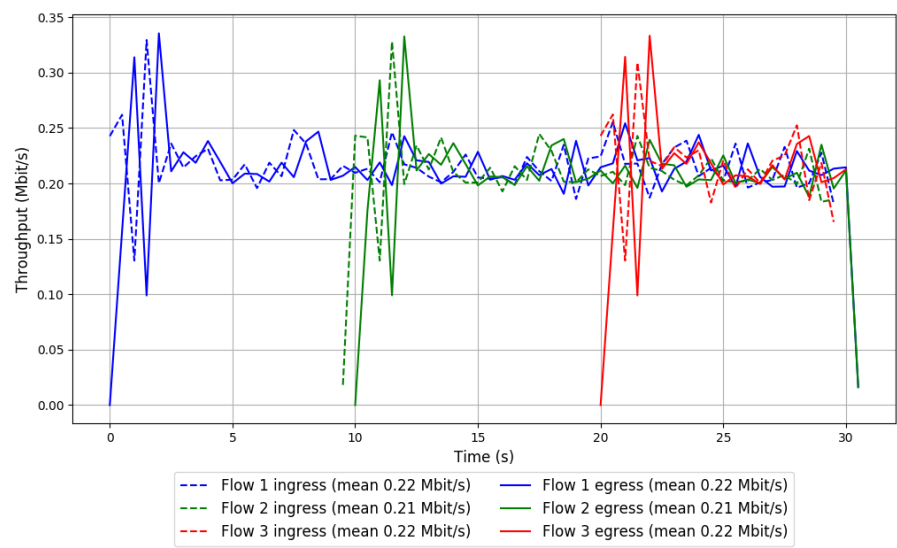


Run 1: Statistics of SCReAM

Start at: 2018-05-30 12:37:39
End at: 2018-05-30 12:38:09
Local clock offset: -0.334 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.244 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.879 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.694 ms
Loss rate: 0.00%

Run 1: Report of SCRaM — Data Link

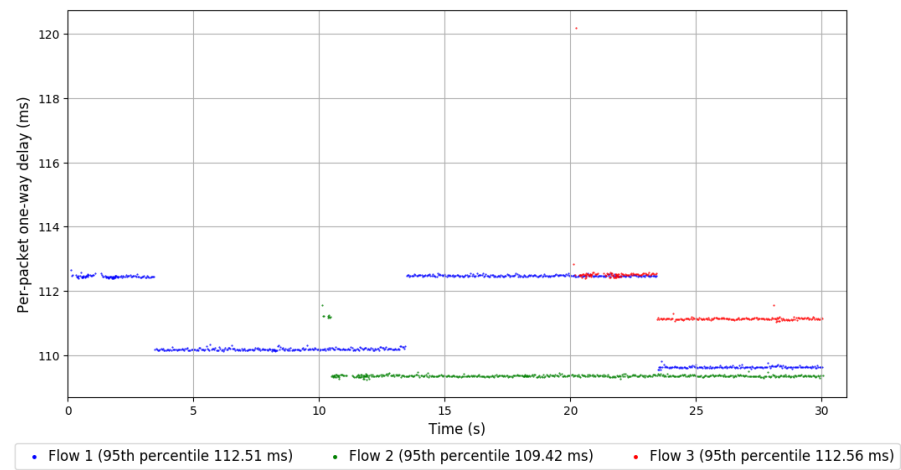
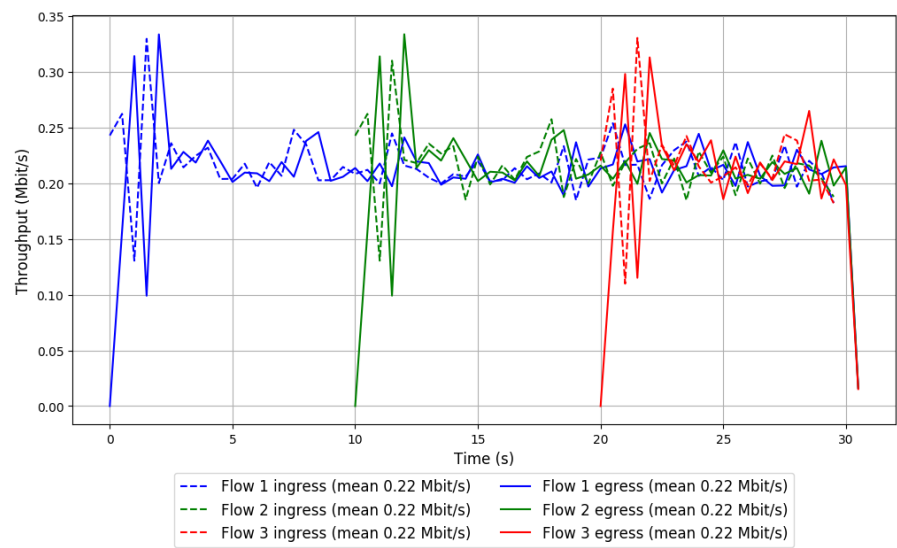


```
Run 2: Statistics of SReAM

Start at: 2018-05-30 13:01:26
End at: 2018-05-30 13:01:56
Local clock offset: 0.078 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-05-30 17:56:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.508 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.560 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

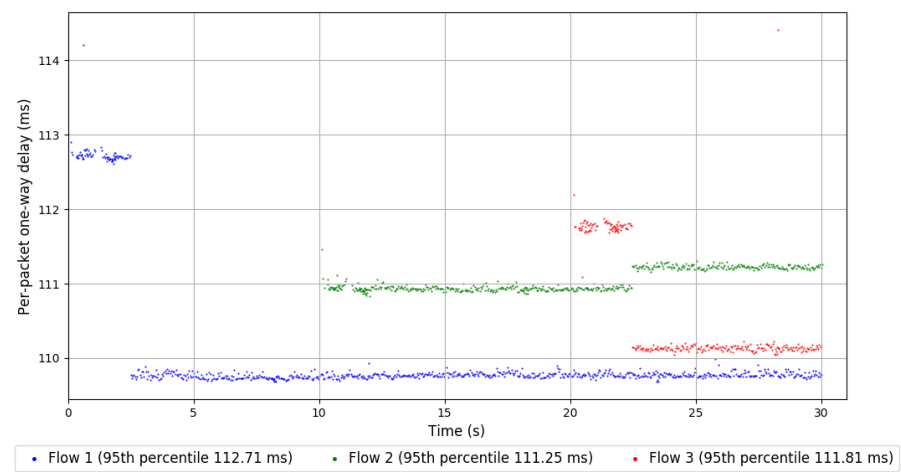
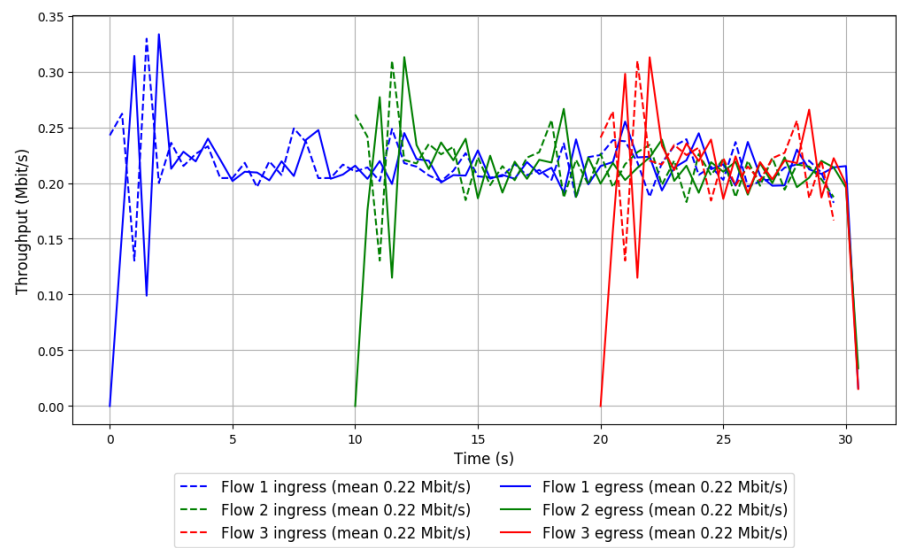


Run 3: Statistics of SReAM

Start at: 2018-05-30 13:24:54
End at: 2018-05-30 13:25:24
Local clock offset: -0.25 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.708 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.812 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

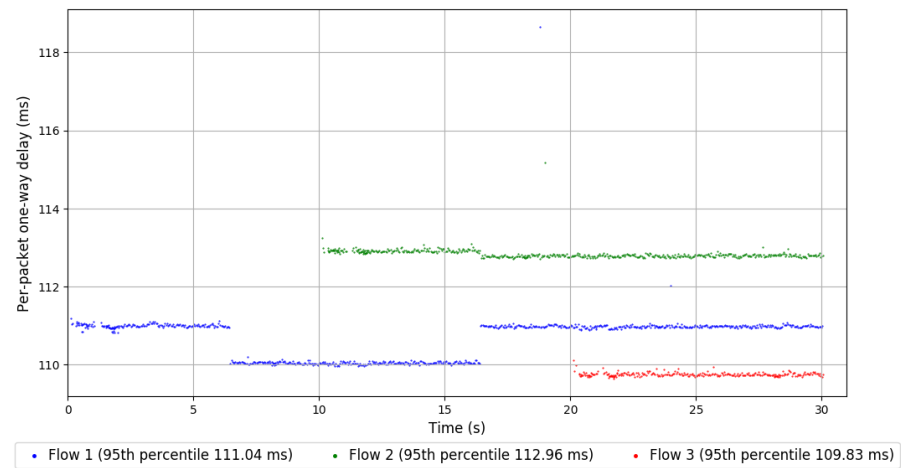
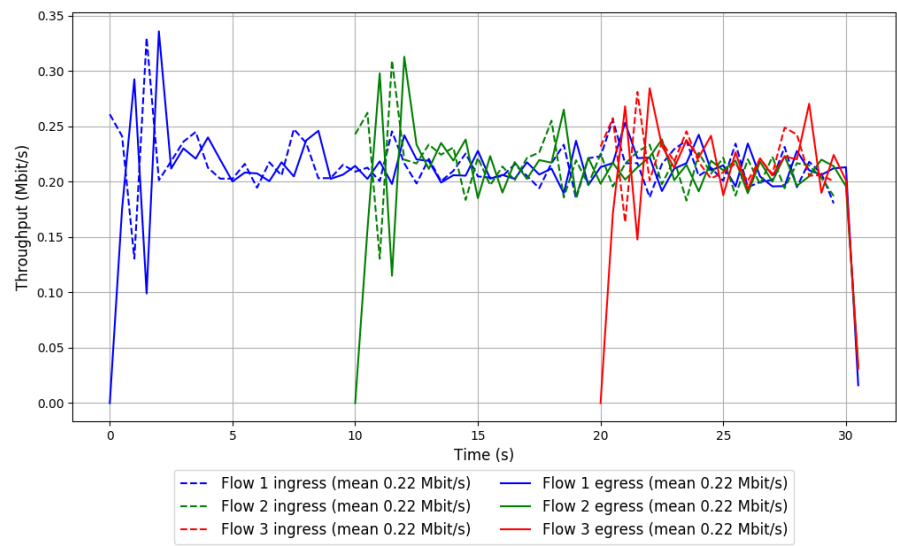


Run 4: Statistics of SReAM

Start at: 2018-05-30 13:48:30
End at: 2018-05-30 13:49:00
Local clock offset: -0.182 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.957 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.834 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

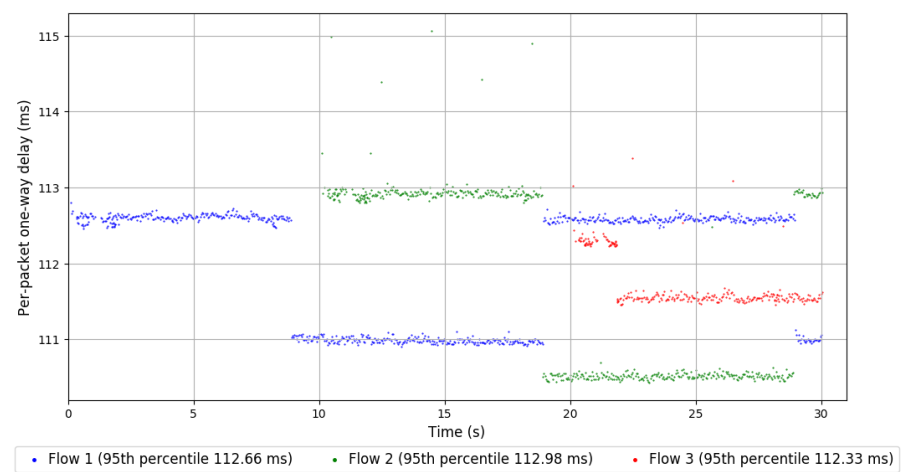
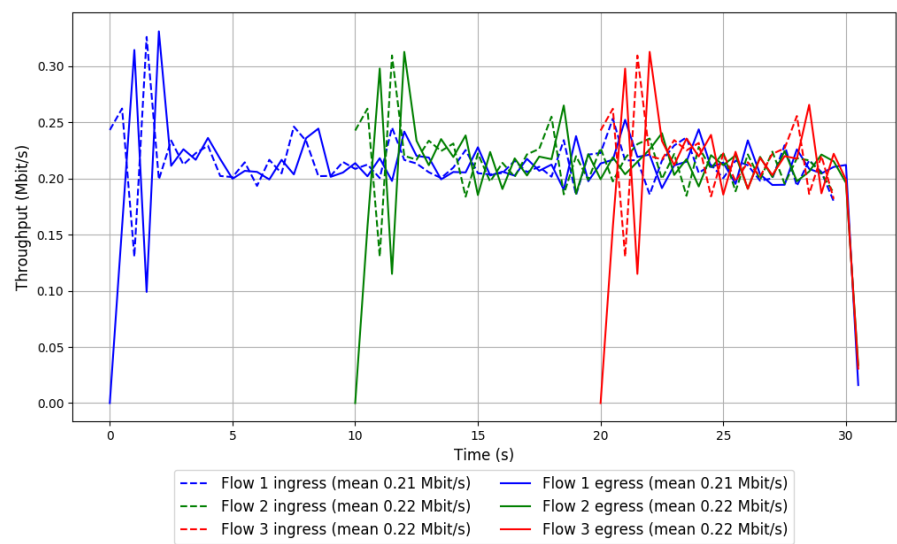


Run 5: Statistics of SReAM

Start at: 2018-05-30 14:11:58
End at: 2018-05-30 14:12:28
Local clock offset: 0.053 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.655 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.981 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.331 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

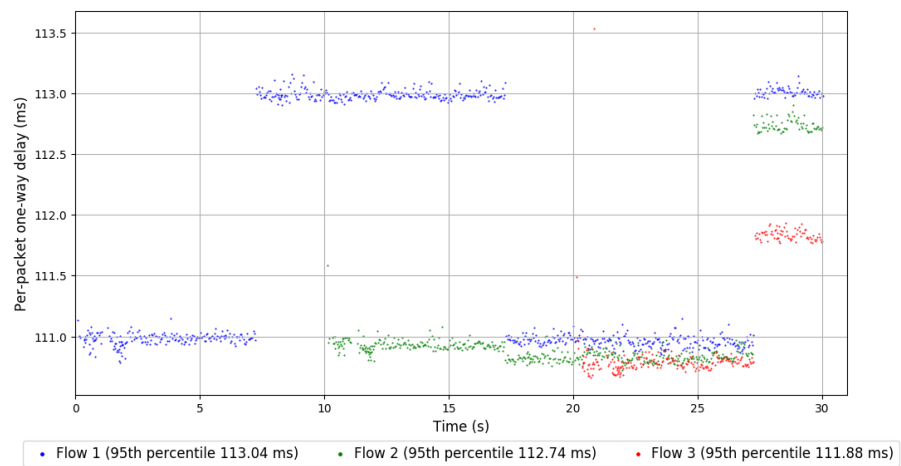
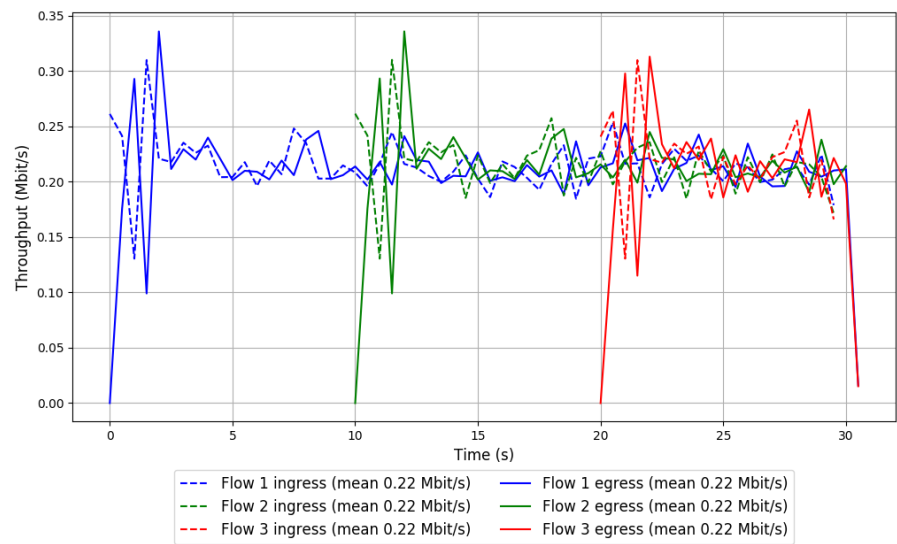


Run 6: Statistics of SReAM

Start at: 2018-05-30 14:35:29
End at: 2018-05-30 14:36:00
Local clock offset: -0.338 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.744 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

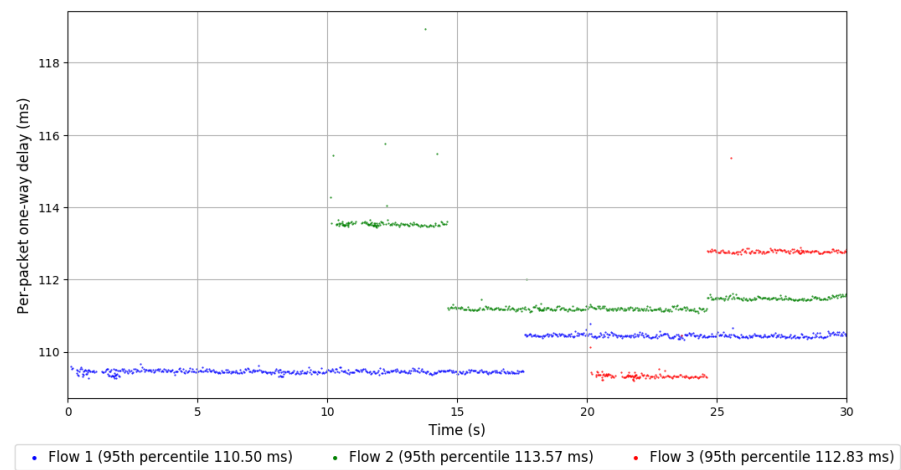
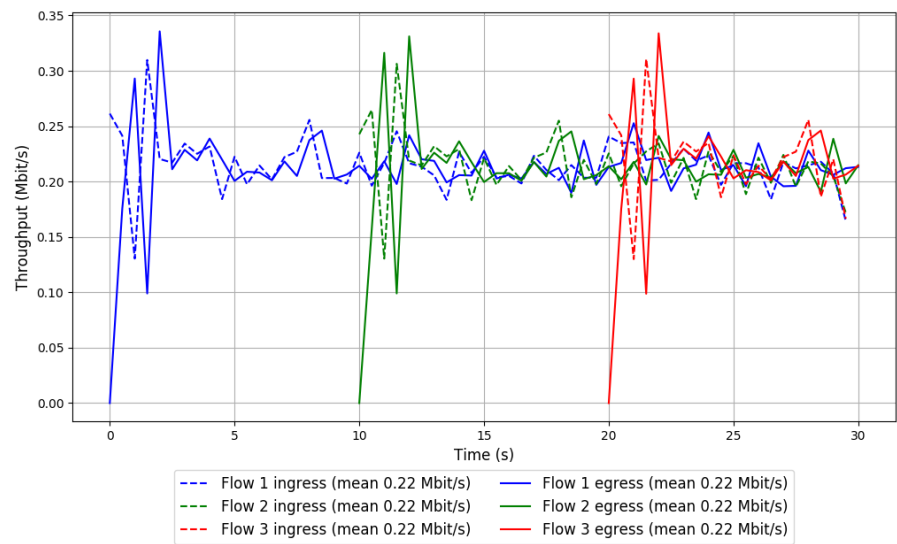


Run 7: Statistics of SReAM

Start at: 2018-05-30 14:59:12
End at: 2018-05-30 14:59:42
Local clock offset: -0.228 ms
Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.572 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.830 ms
Loss rate: 0.00%

Run 7: Report of SCSReAM — Data Link

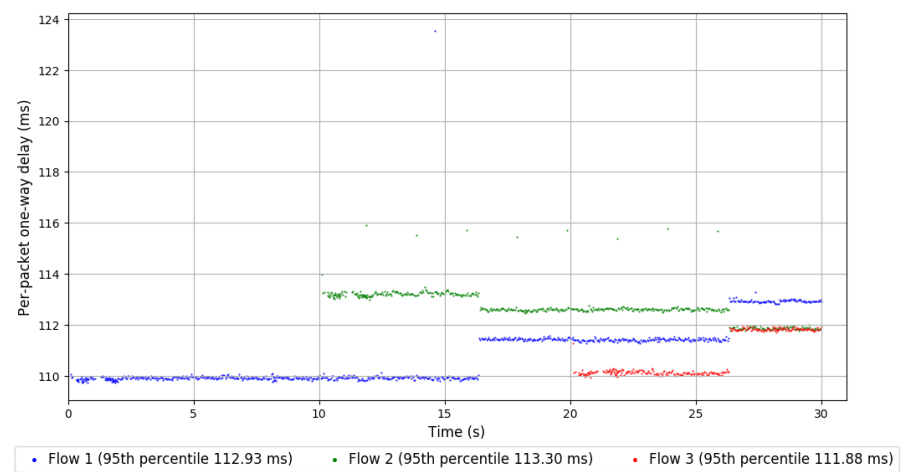
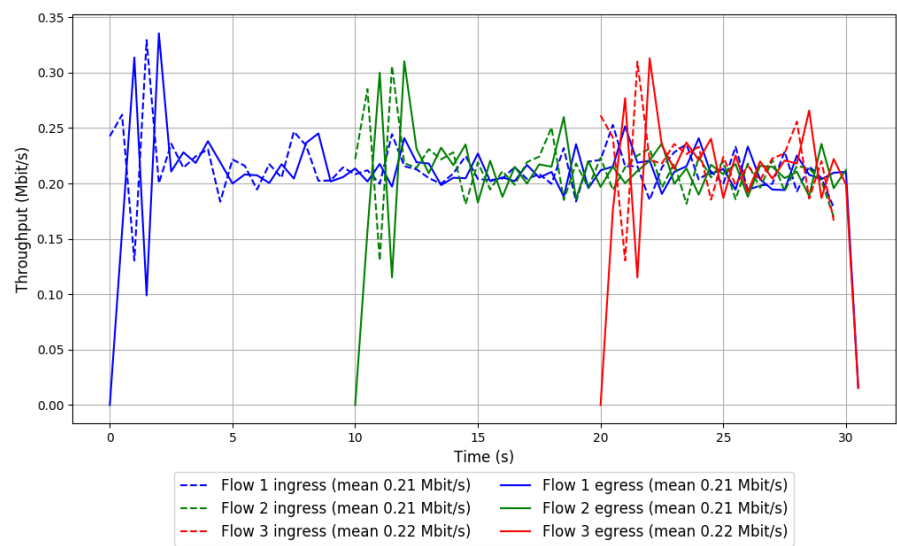


Run 8: Statistics of SReAM

Start at: 2018-05-30 15:22:50
End at: 2018-05-30 15:23:20
Local clock offset: -0.264 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.933 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.883 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

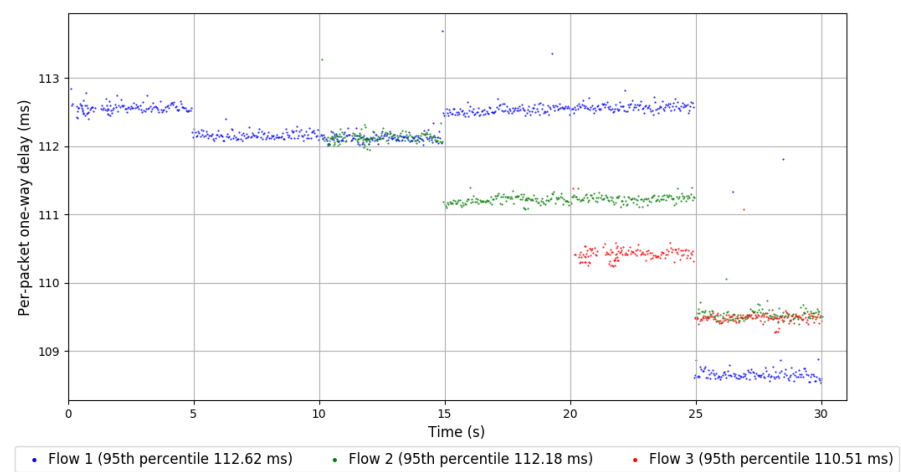
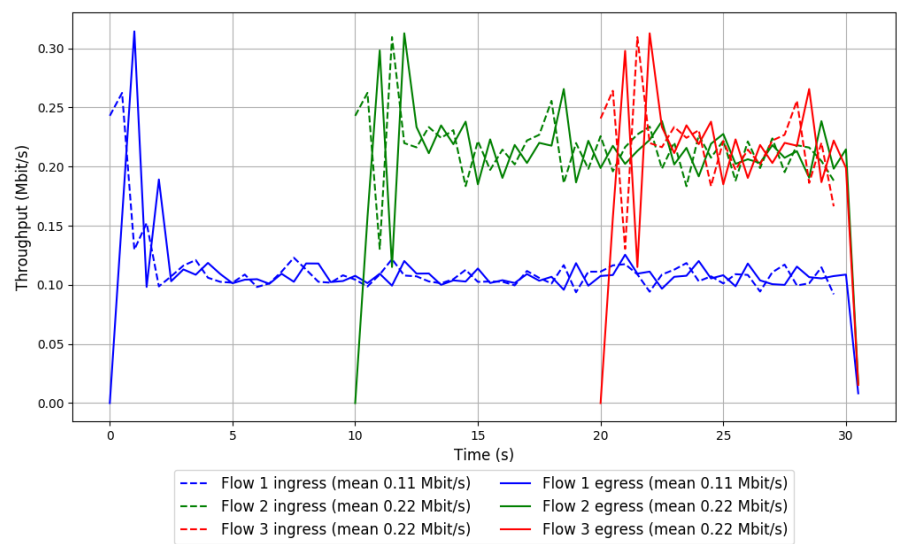


Run 9: Statistics of SReAM

Start at: 2018-05-30 15:46:02
End at: 2018-05-30 15:46:32
Local clock offset: -0.126 ms
Remote clock offset: -0.489 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 112.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 112.625 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.508 ms
Loss rate: 0.00%

Run 9: Report of SCSReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-30 16:09:56

End at: 2018-05-30 16:10:26

Local clock offset: -0.061 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-05-30 17:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.039 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.045 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.325 ms

Loss rate: 0.00%

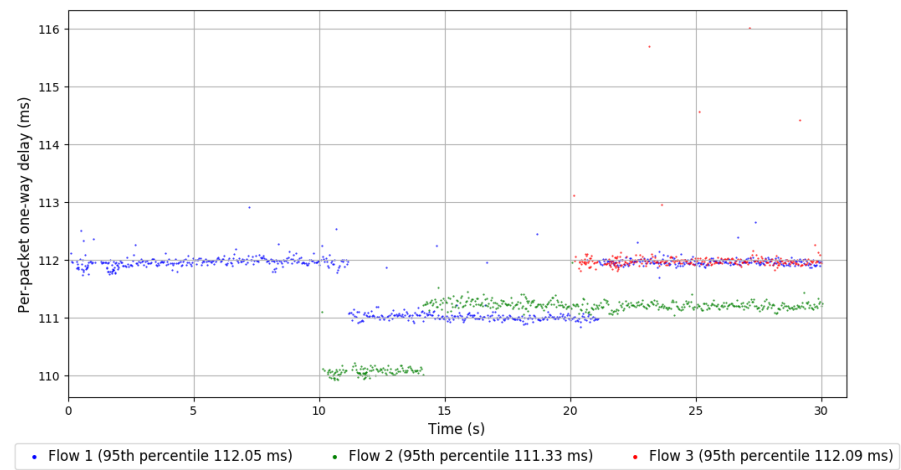
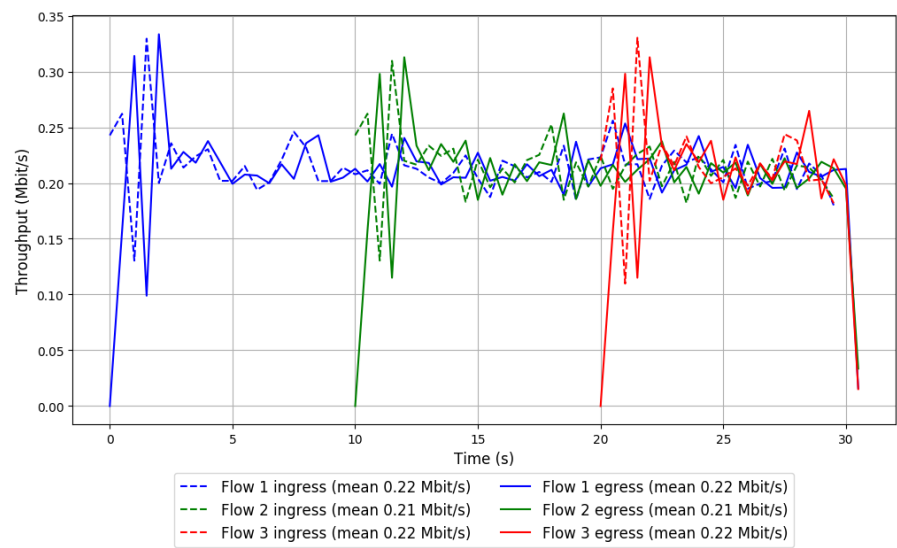
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.087 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

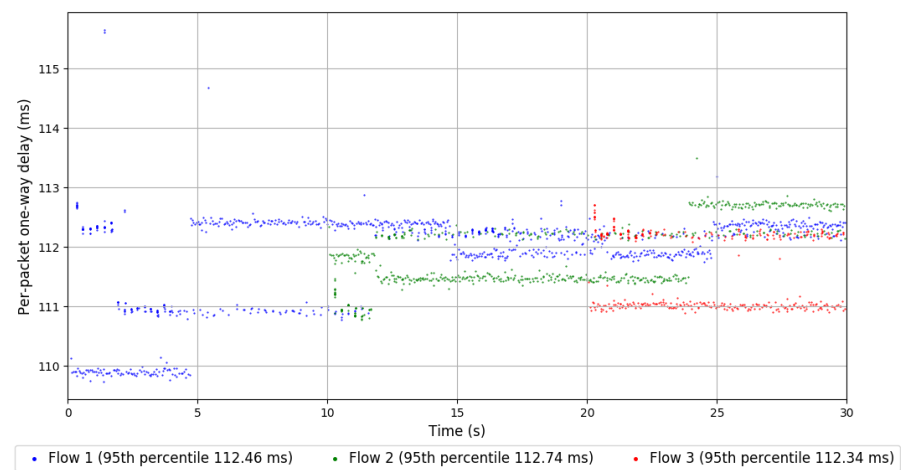
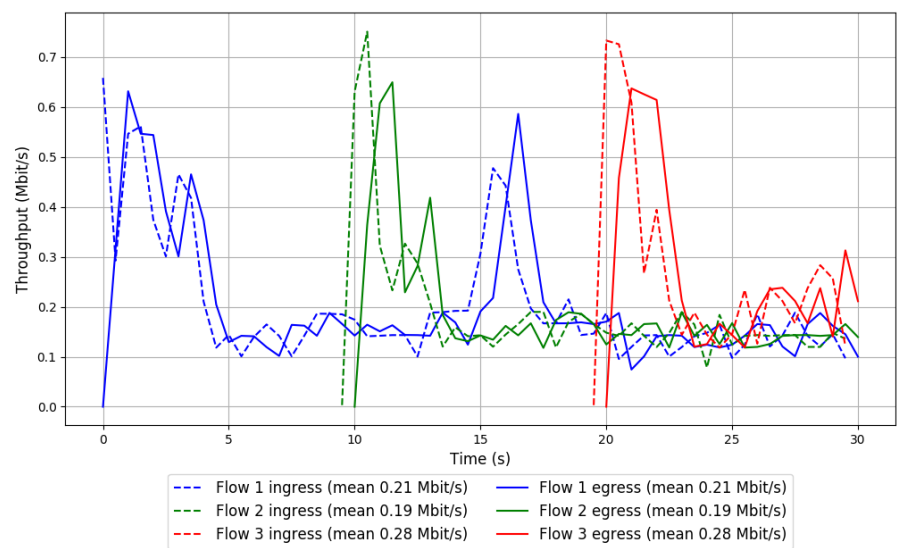


Run 1: Statistics of Sprout

Start at: 2018-05-30 12:43:45
End at: 2018-05-30 12:44:15
Local clock offset: -0.184 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.462 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.737 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 112.343 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

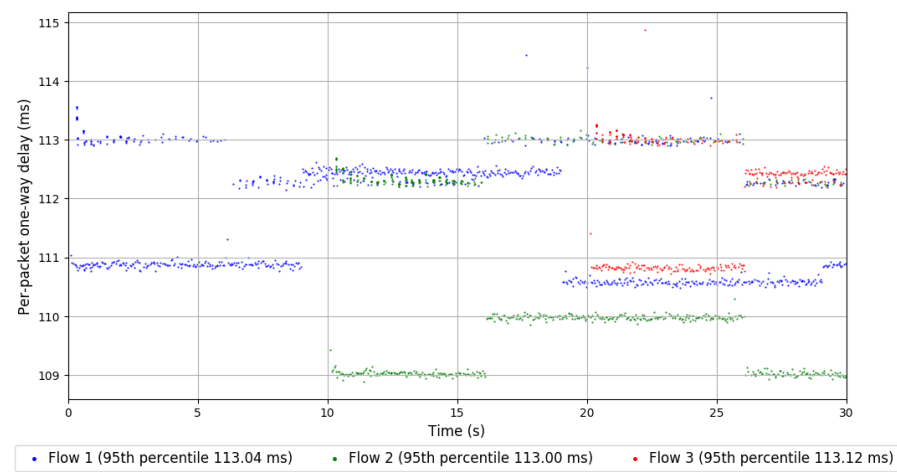
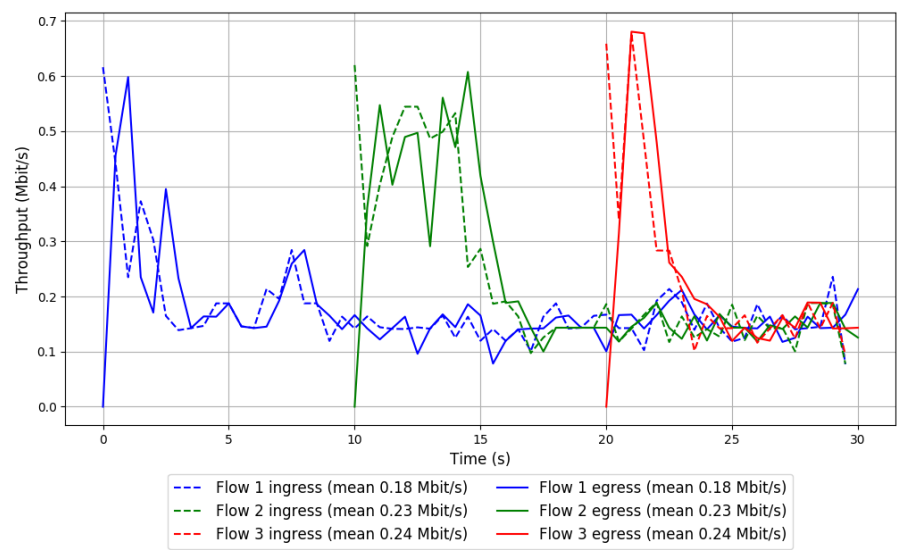


Run 2: Statistics of Sprout

Start at: 2018-05-30 13:07:31
End at: 2018-05-30 13:08:01
Local clock offset: -0.249 ms
Remote clock offset: -0.127 ms

```
# Below is generated by plot.py at 2018-05-30 17:56:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 113.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 112.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 113.120 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

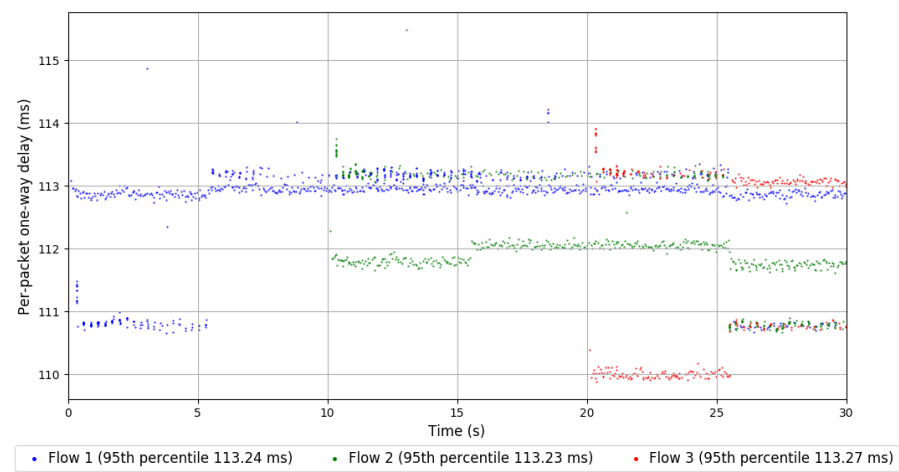
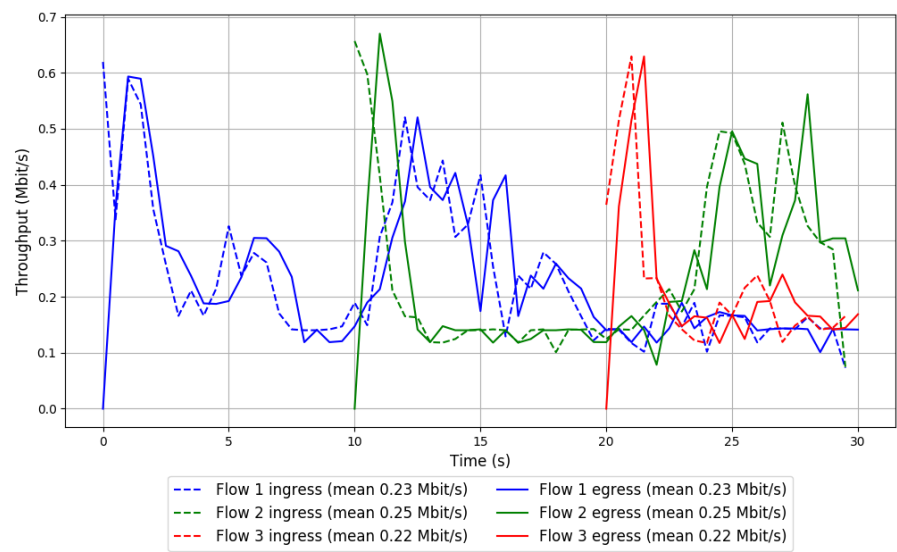


Run 3: Statistics of Sprout

Start at: 2018-05-30 13:30:51
End at: 2018-05-30 13:31:21
Local clock offset: -0.272 ms
Remote clock offset: -0.127 ms

```
# Below is generated by plot.py at 2018-05-30 17:56:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 113.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 113.240 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 113.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.274 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

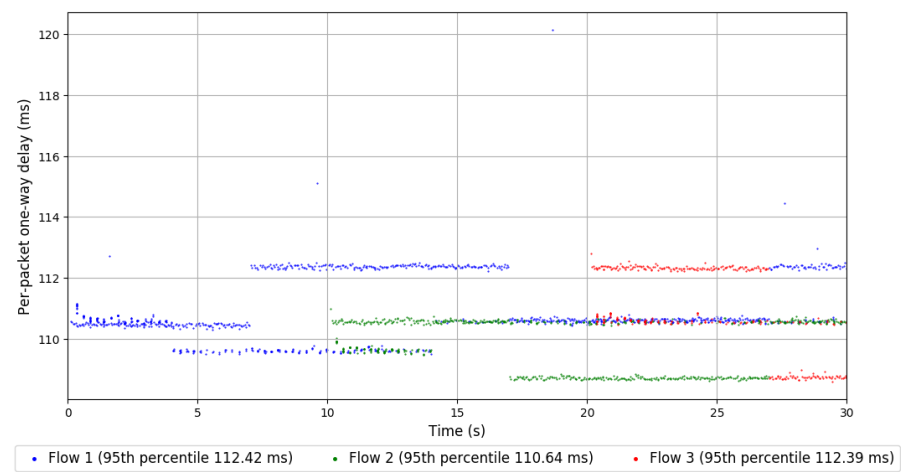
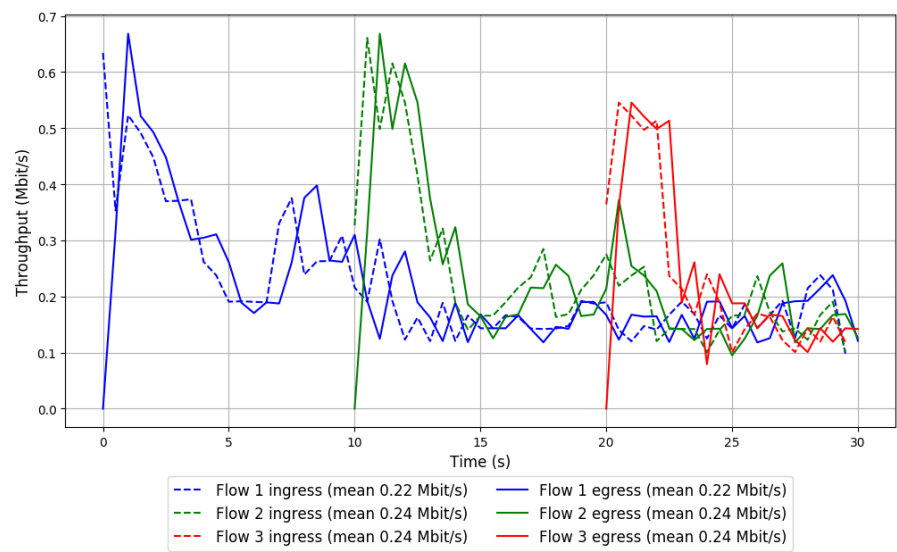


Run 4: Statistics of Sprout

Start at: 2018-05-30 13:54:33
End at: 2018-05-30 13:55:03
Local clock offset: -0.029 ms
Remote clock offset: -0.023 ms

```
# Below is generated by plot.py at 2018-05-30 17:56:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 112.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.421 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 110.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.389 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

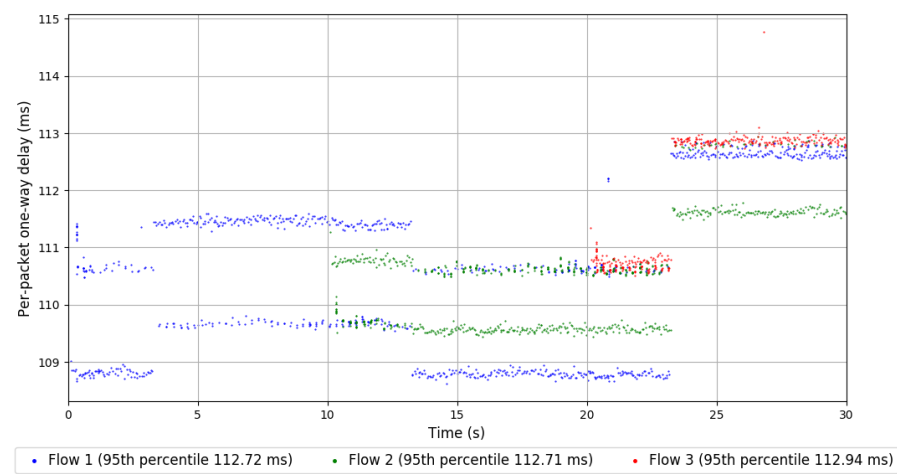
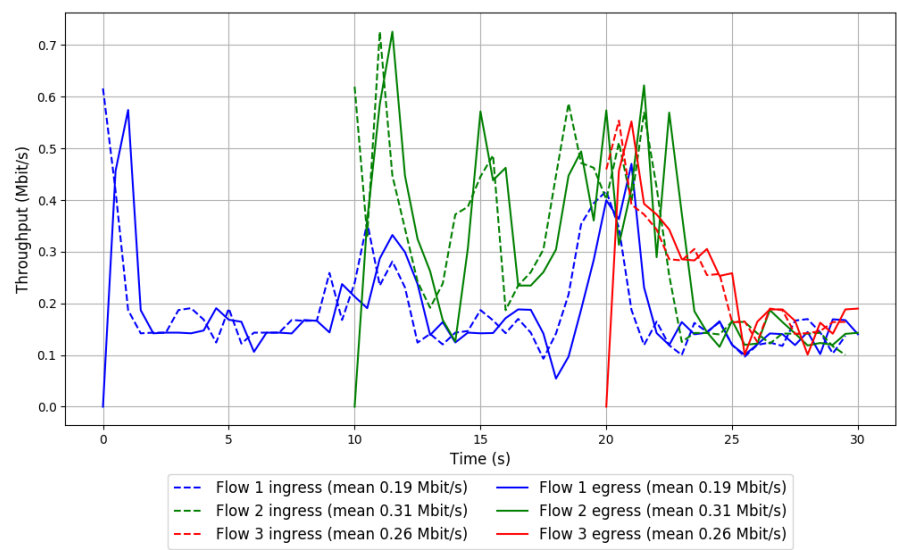


Run 5: Statistics of Sprout

Start at: 2018-05-30 14:17:53
End at: 2018-05-30 14:18:23
Local clock offset: -0.059 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 112.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 112.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 112.943 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

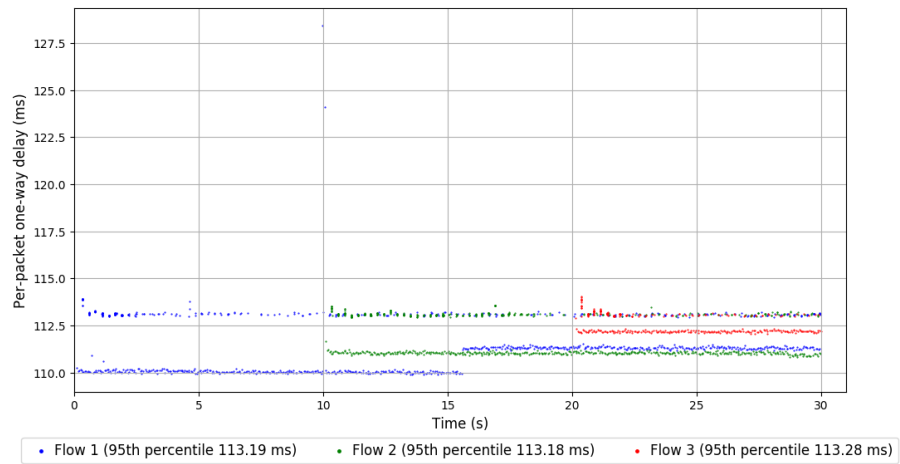
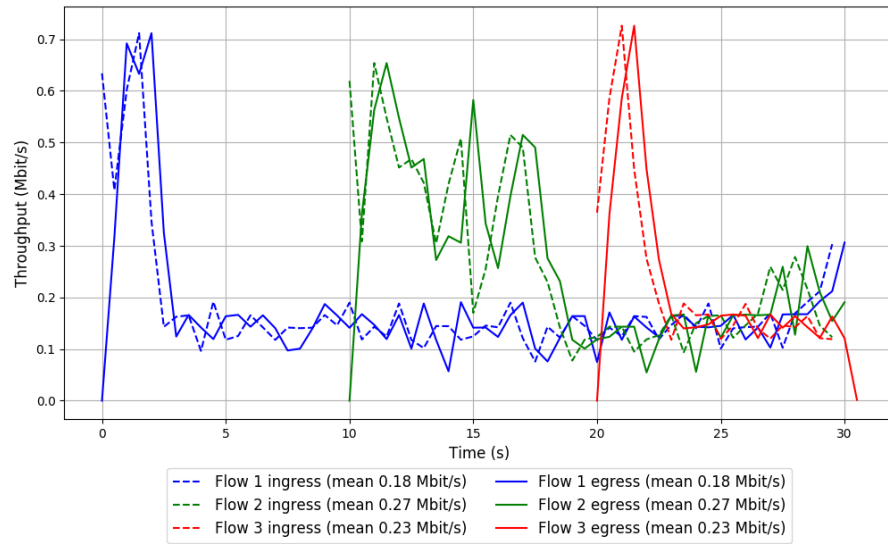


Run 6: Statistics of Sprout

Start at: 2018-05-30 14:41:41
End at: 2018-05-30 14:42:11
Local clock offset: -0.09 ms
Remote clock offset: 0.324 ms

```
# Below is generated by plot.py at 2018-05-30 17:56:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 113.192 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 113.184 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 113.283 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

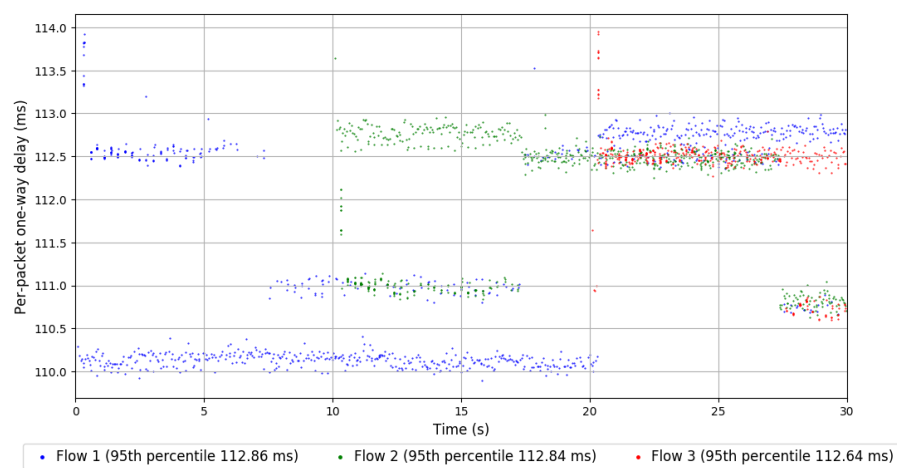
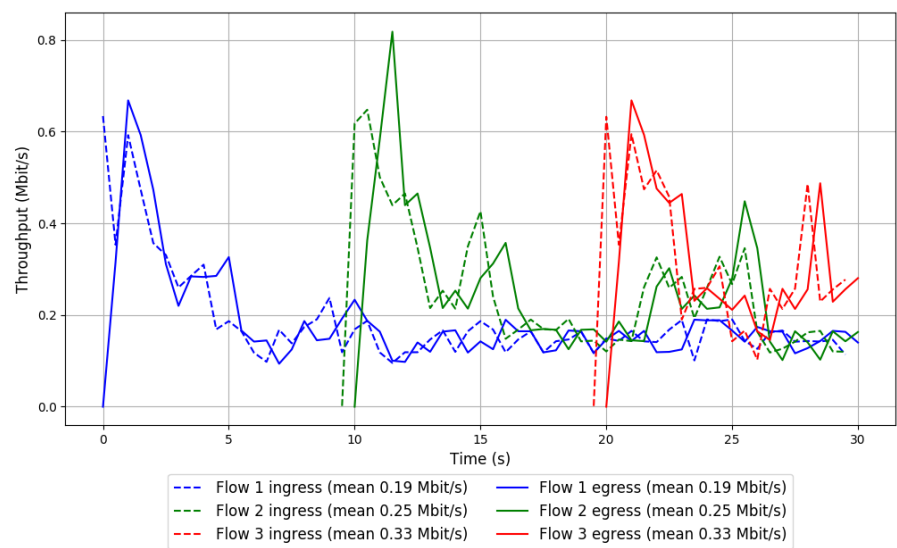


Run 7: Statistics of Sprout

Start at: 2018-05-30 15:05:19
End at: 2018-05-30 15:05:49
Local clock offset: -0.143 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 112.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 112.837 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 112.644 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

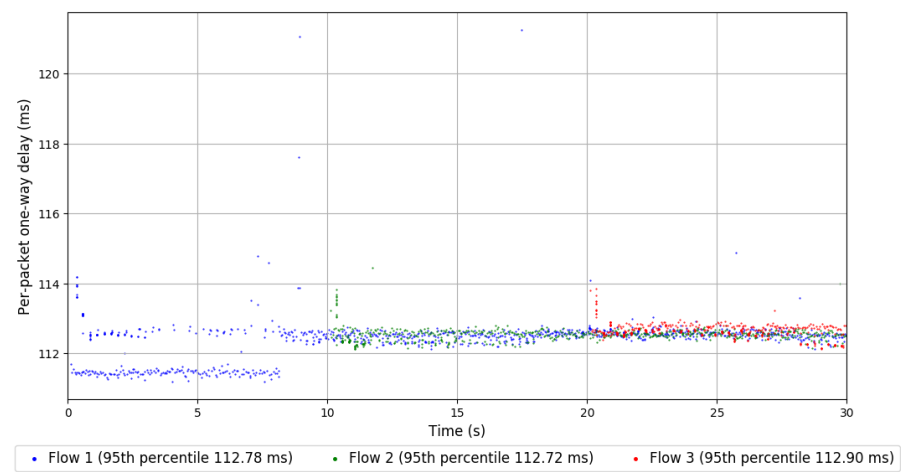
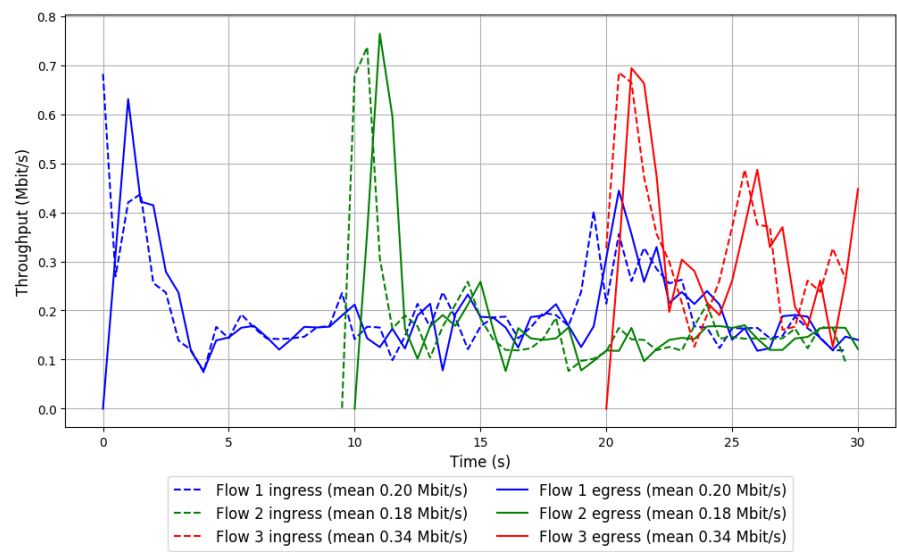


Run 8: Statistics of Sprout

Start at: 2018-05-30 15:28:49
End at: 2018-05-30 15:29:19
Local clock offset: 0.013 ms
Remote clock offset: -0.155 ms

```
# Below is generated by plot.py at 2018-05-30 17:56:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 112.896 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

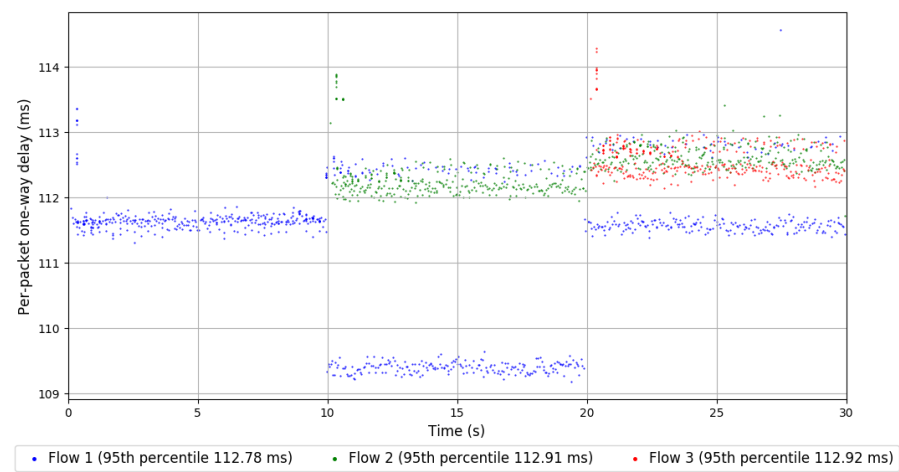
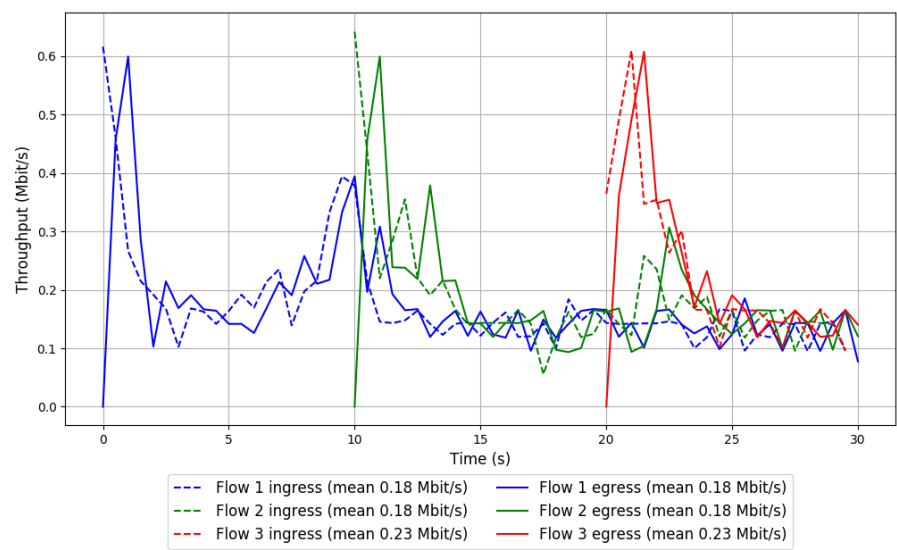


Run 9: Statistics of Sprout

Start at: 2018-05-30 15:52:17
End at: 2018-05-30 15:52:47
Local clock offset: -0.183 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 112.878 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.780 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 112.923 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

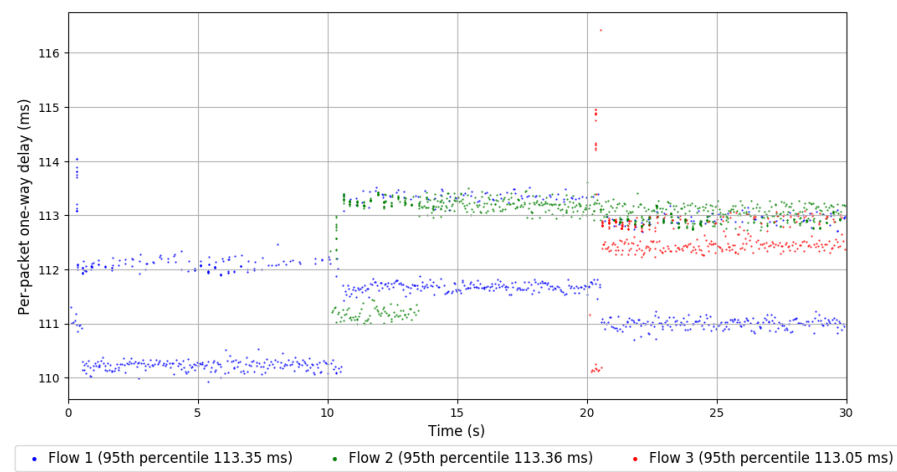
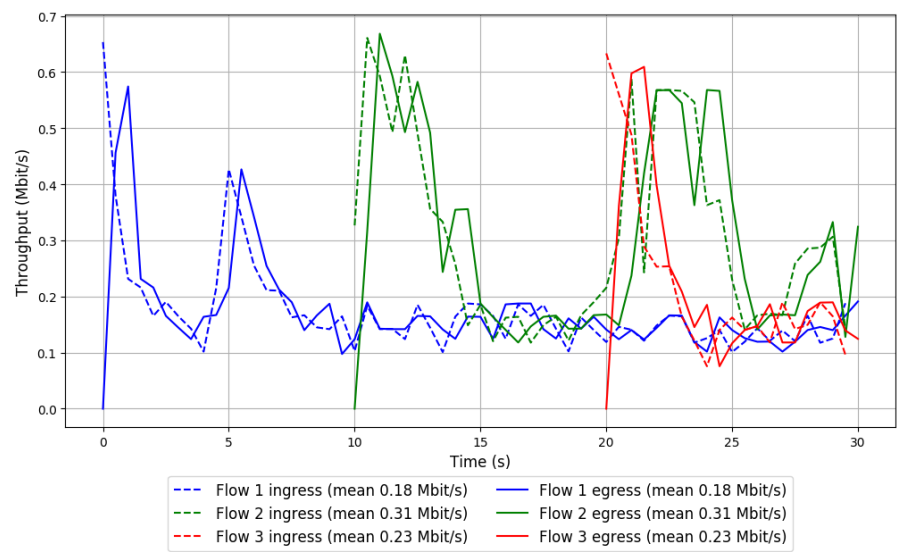


Run 10: Statistics of Sprout

Start at: 2018-05-30 16:16:16
End at: 2018-05-30 16:16:46
Local clock offset: -0.342 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-30 17:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 113.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 113.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 113.356 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 113.050 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

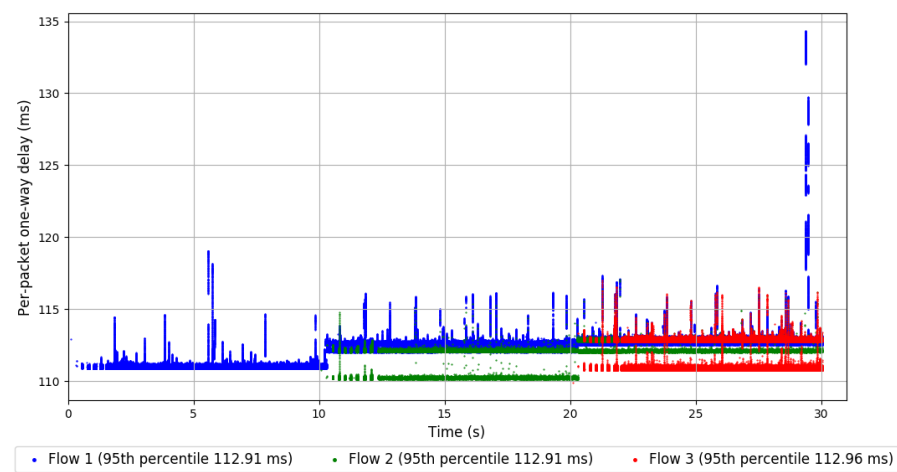
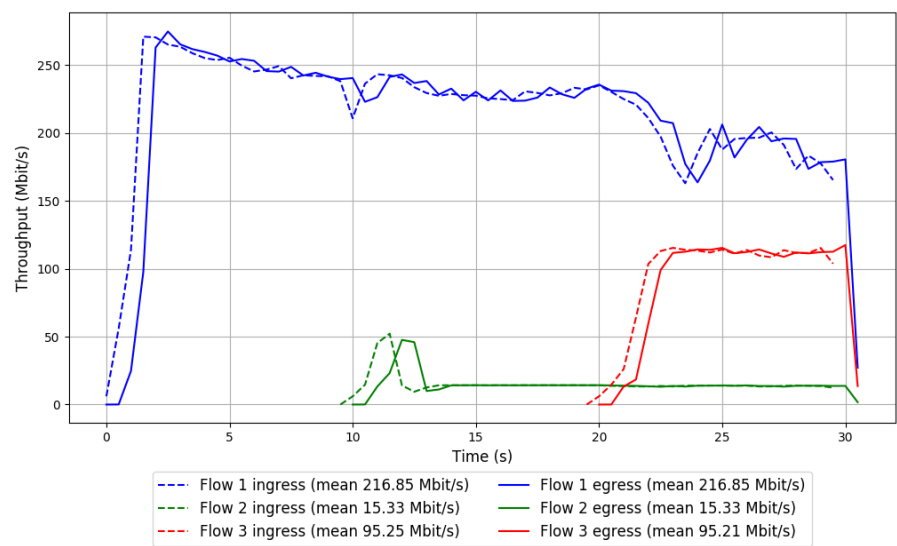


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-30 12:54:16
End at: 2018-05-30 12:54:46
Local clock offset: -0.142 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-05-30 17:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 258.72 Mbit/s
95th percentile per-packet one-way delay: 112.919 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.85 Mbit/s
95th percentile per-packet one-way delay: 112.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 112.912 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 112.964 ms
Loss rate: 0.01%
```

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

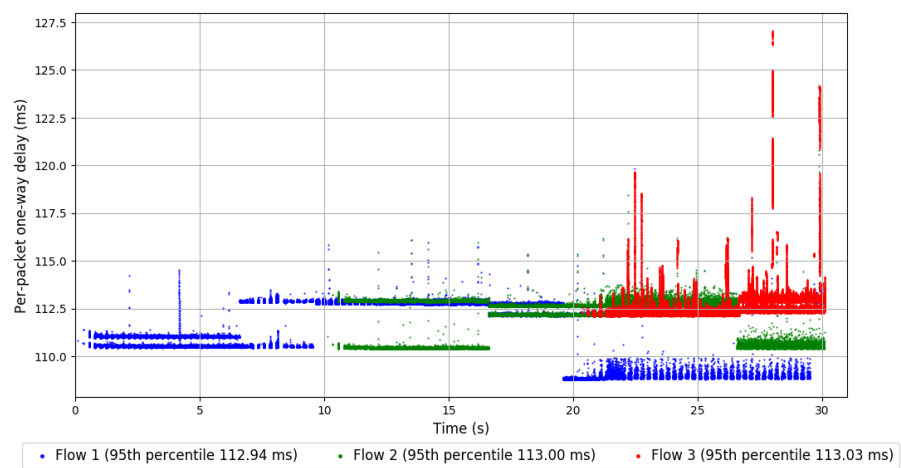
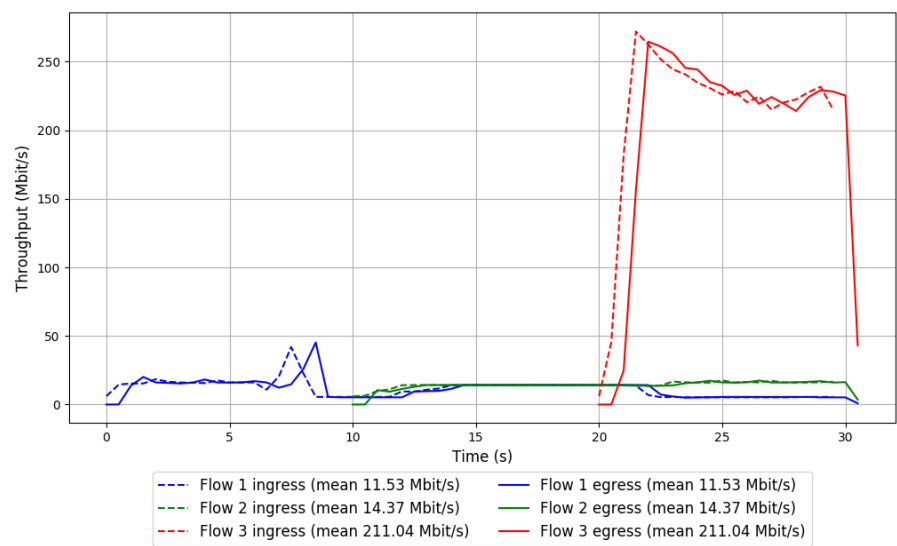


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-30 13:18:00
End at: 2018-05-30 13:18:30
Local clock offset: -0.26 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-05-30 17:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 113.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 112.943 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.37 Mbit/s
95th percentile per-packet one-way delay: 113.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 211.04 Mbit/s
95th percentile per-packet one-way delay: 113.027 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-30 13:41:19

End at: 2018-05-30 13:41:49

Local clock offset: 0.052 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-05-30 17:57:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 277.11 Mbit/s

95th percentile per-packet one-way delay: 115.950 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.41 Mbit/s

95th percentile per-packet one-way delay: 116.144 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.81 Mbit/s

95th percentile per-packet one-way delay: 115.983 ms

Loss rate: 0.00%

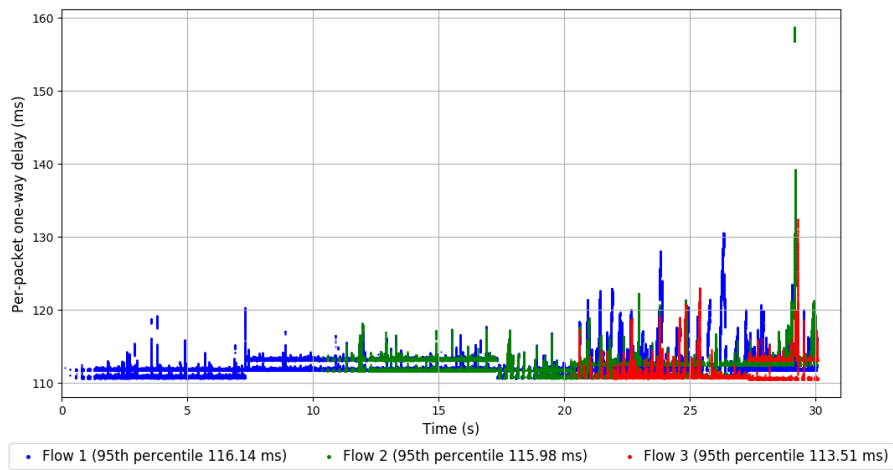
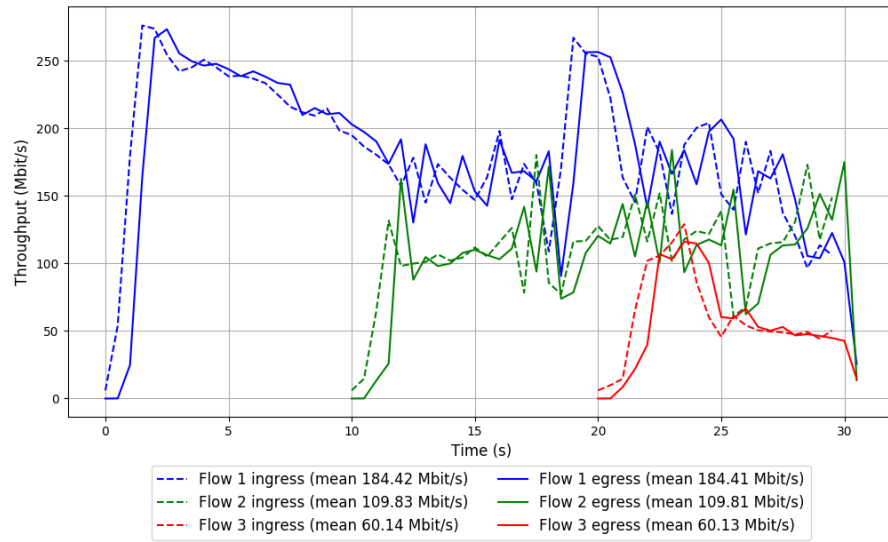
-- Flow 3:

Average throughput: 60.13 Mbit/s

95th percentile per-packet one-way delay: 113.507 ms

Loss rate: 0.00%

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

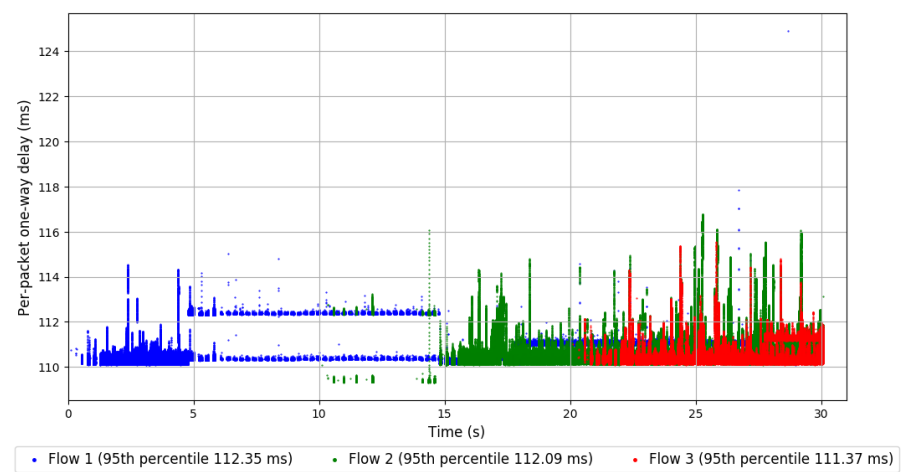
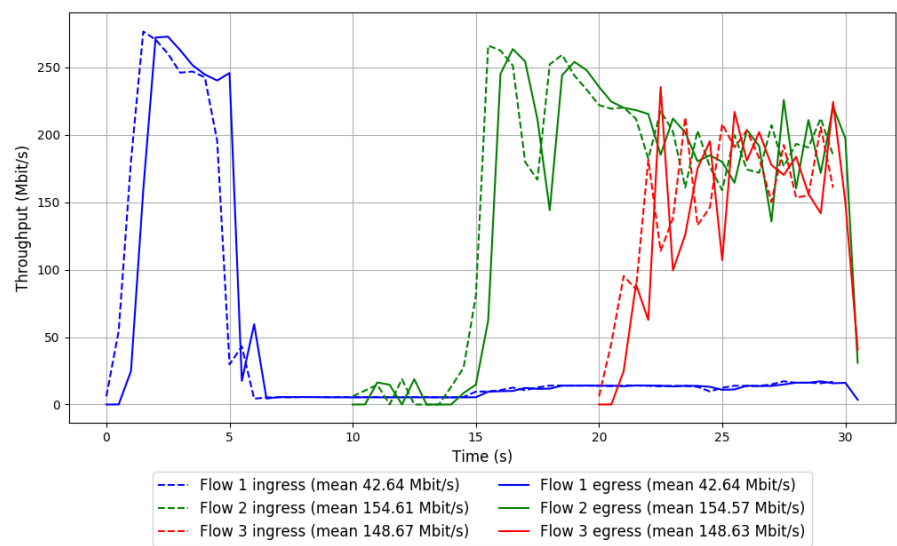


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-30 14:04:52
End at: 2018-05-30 14:05:22
Local clock offset: -0.158 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-05-30 17:57:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.94 Mbit/s
95th percentile per-packet one-way delay: 111.821 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 112.349 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 154.57 Mbit/s
95th percentile per-packet one-way delay: 112.091 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 148.63 Mbit/s
95th percentile per-packet one-way delay: 111.368 ms
Loss rate: 0.04%

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

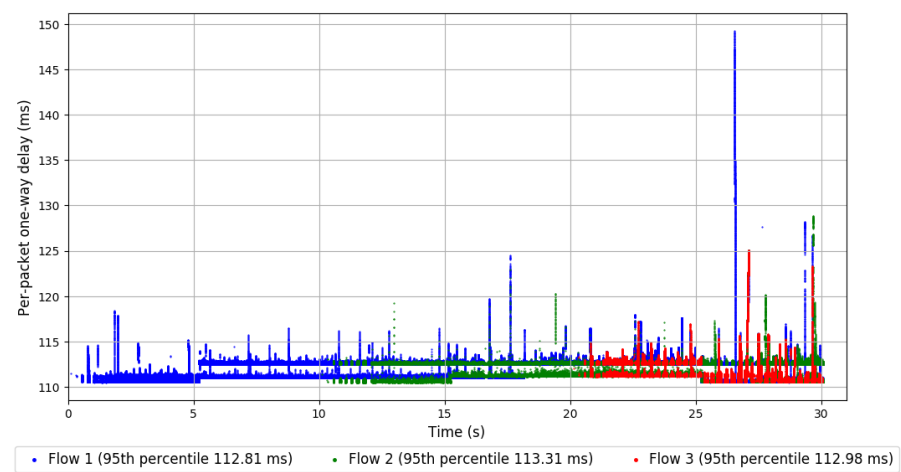
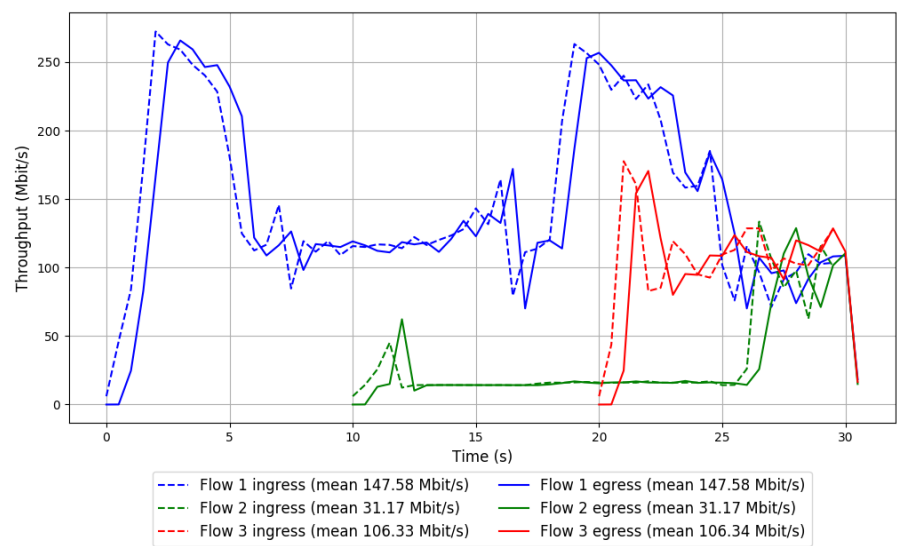


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-30 14:28:22
End at: 2018-05-30 14:28:52
Local clock offset: -0.114 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-30 17:57:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.44 Mbit/s
95th percentile per-packet one-way delay: 112.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.58 Mbit/s
95th percentile per-packet one-way delay: 112.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 113.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.34 Mbit/s
95th percentile per-packet one-way delay: 112.984 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-30 14:52:03

End at: 2018-05-30 14:52:33

Local clock offset: -0.29 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-05-30 17:58:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.98 Mbit/s

95th percentile per-packet one-way delay: 116.112 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 113.188 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.62 Mbit/s

95th percentile per-packet one-way delay: 114.348 ms

Loss rate: 0.00%

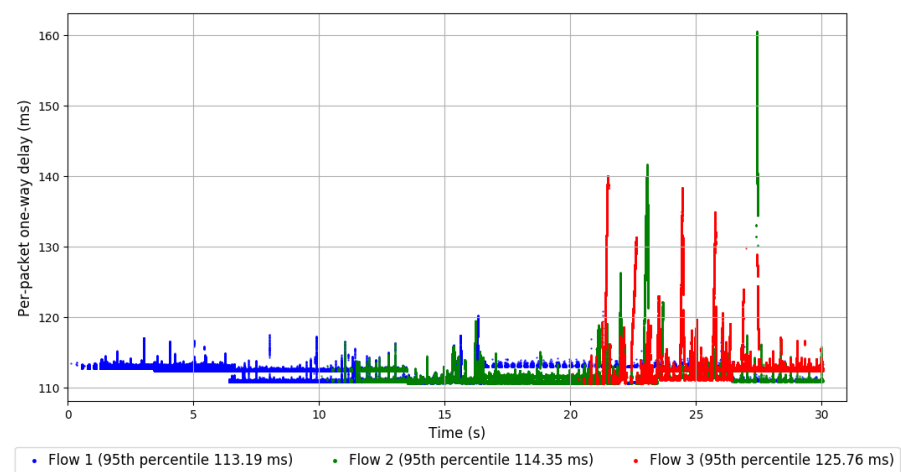
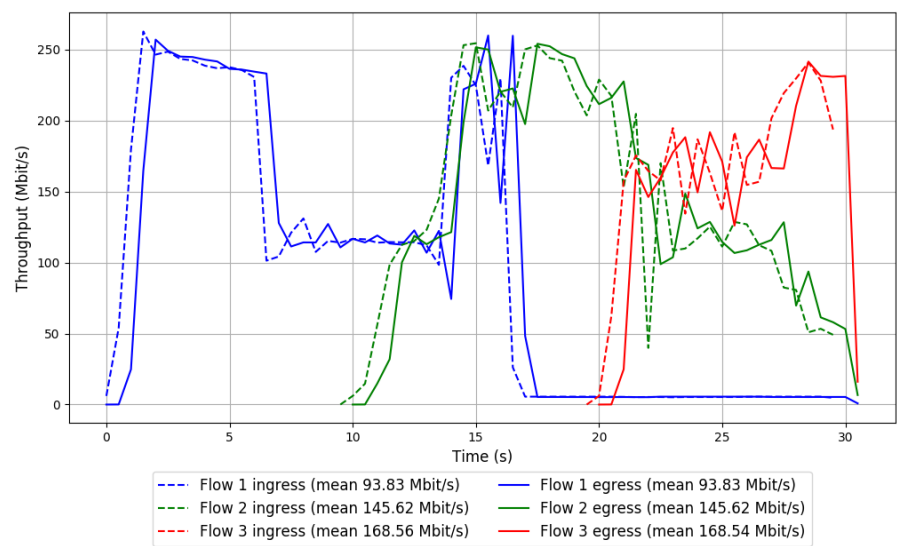
-- Flow 3:

Average throughput: 168.54 Mbit/s

95th percentile per-packet one-way delay: 125.760 ms

Loss rate: 0.00%

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

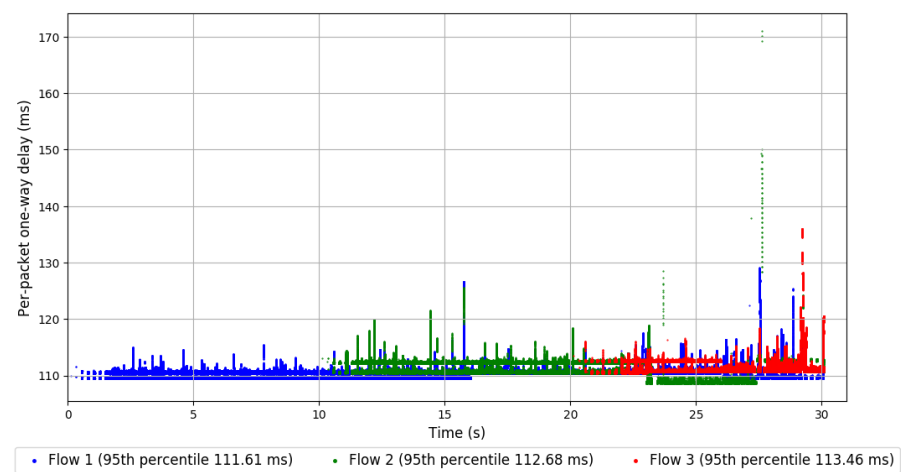
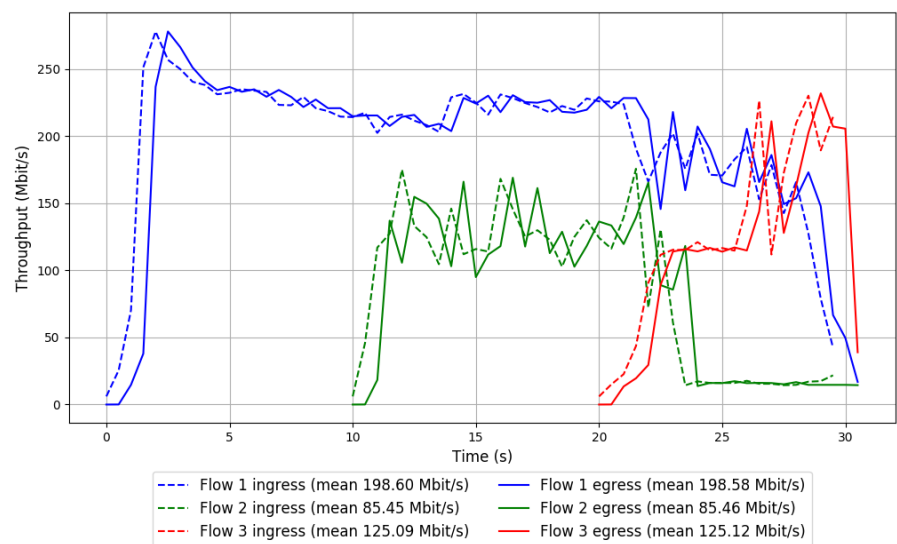


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-30 15:15:34
End at: 2018-05-30 15:16:04
Local clock offset: -0.112 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-30 18:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.98 Mbit/s
95th percentile per-packet one-way delay: 112.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.58 Mbit/s
95th percentile per-packet one-way delay: 111.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 112.681 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.12 Mbit/s
95th percentile per-packet one-way delay: 113.463 ms
Loss rate: 0.00%

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

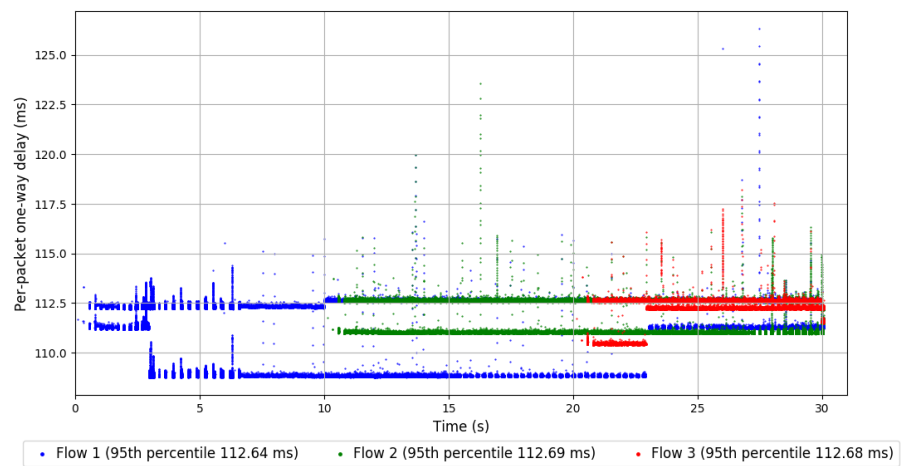
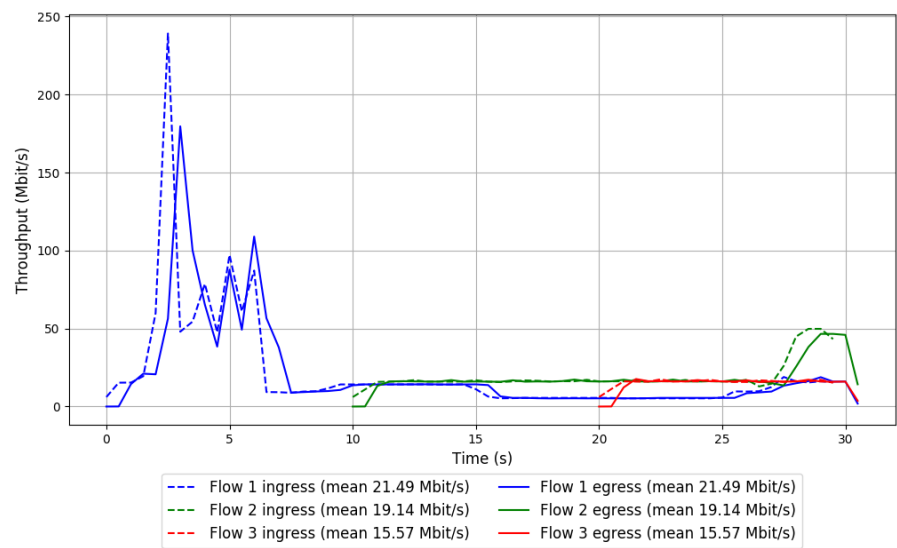


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-30 15:39:17
End at: 2018-05-30 15:39:47
Local clock offset: -0.25 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-05-30 18:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 112.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.49 Mbit/s
95th percentile per-packet one-way delay: 112.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.14 Mbit/s
95th percentile per-packet one-way delay: 112.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 112.684 ms
Loss rate: 0.00%

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

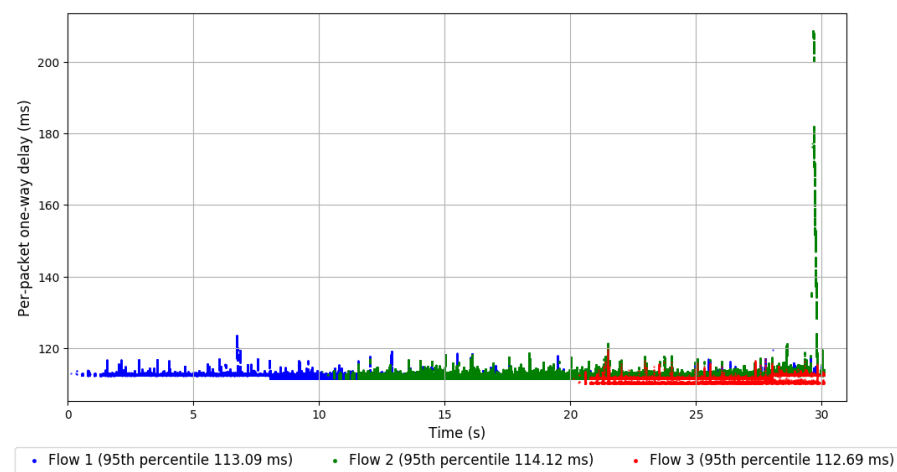
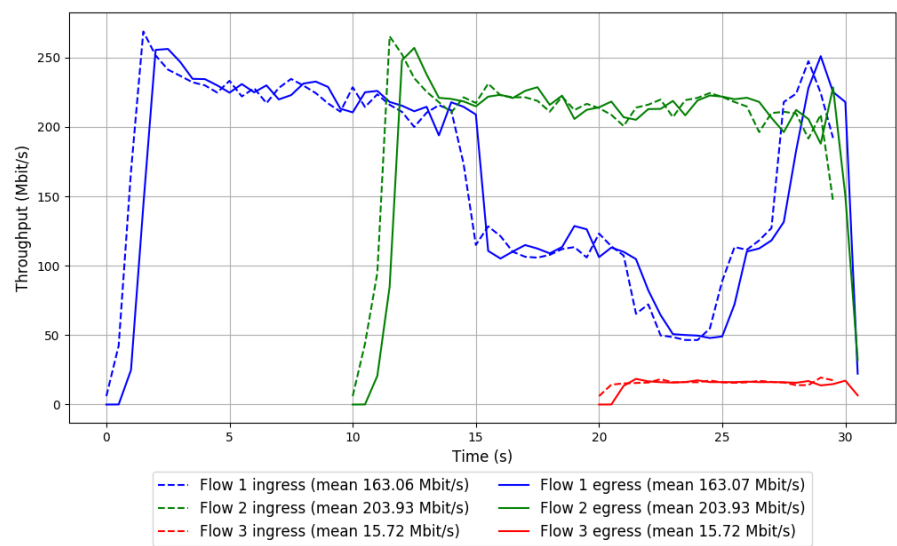


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-30 16:02:39
End at: 2018-05-30 16:03:09
Local clock offset: -0.177 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-30 18:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.11 Mbit/s
95th percentile per-packet one-way delay: 113.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.07 Mbit/s
95th percentile per-packet one-way delay: 113.092 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 203.93 Mbit/s
95th percentile per-packet one-way delay: 114.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 112.695 ms
Loss rate: 0.00%

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

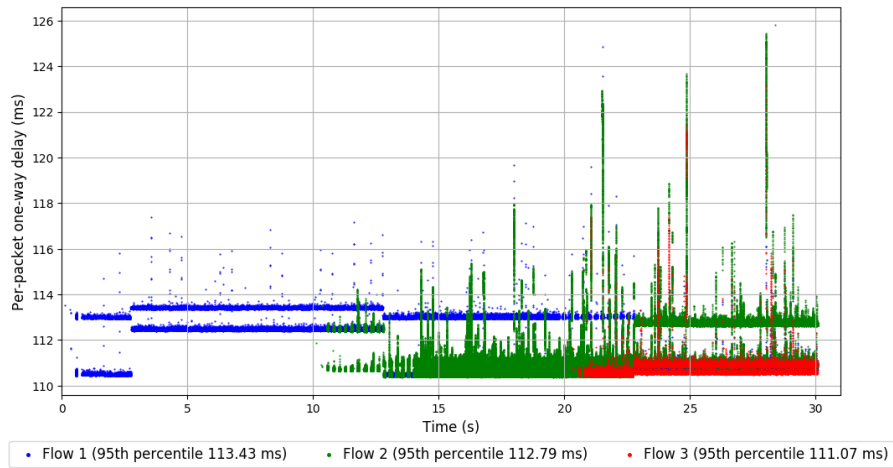
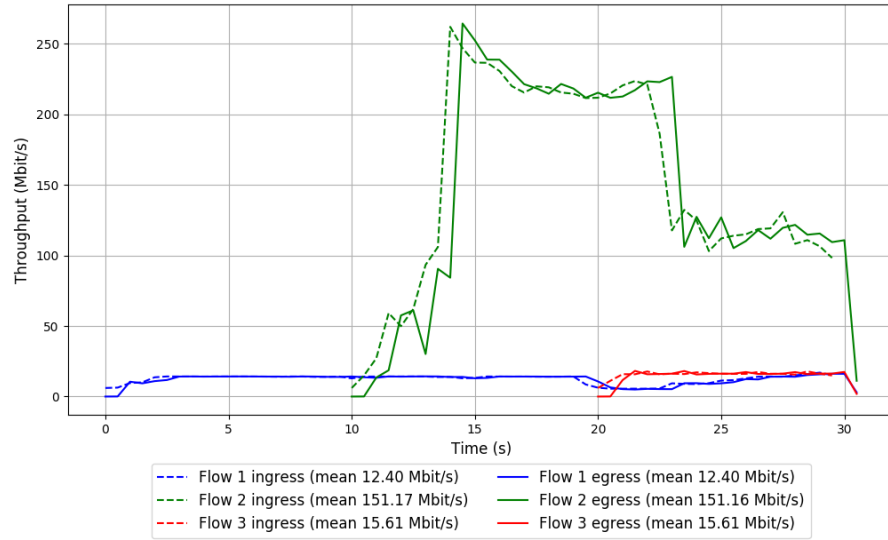


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-30 16:26:44
End at: 2018-05-30 16:27:14
Local clock offset: -0.366 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-30 18:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 118.28 Mbit/s
95th percentile per-packet one-way delay: 112.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 113.433 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.16 Mbit/s
95th percentile per-packet one-way delay: 112.789 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 111.072 ms
Loss rate: 0.00%

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

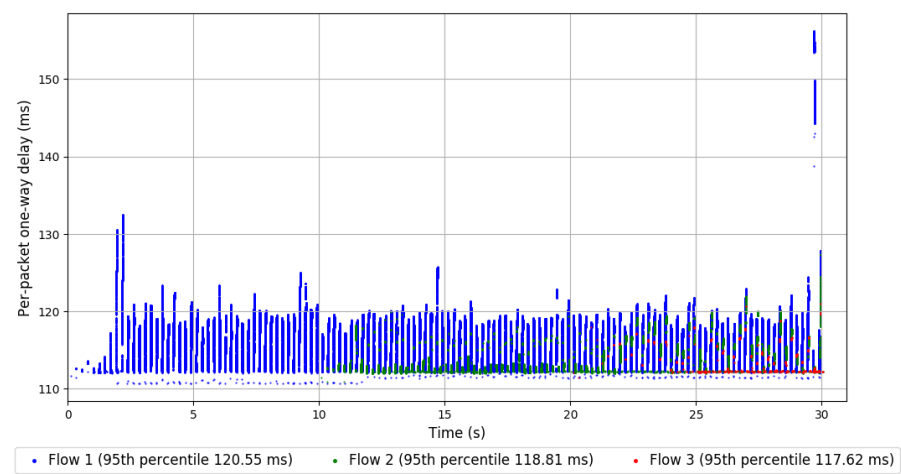
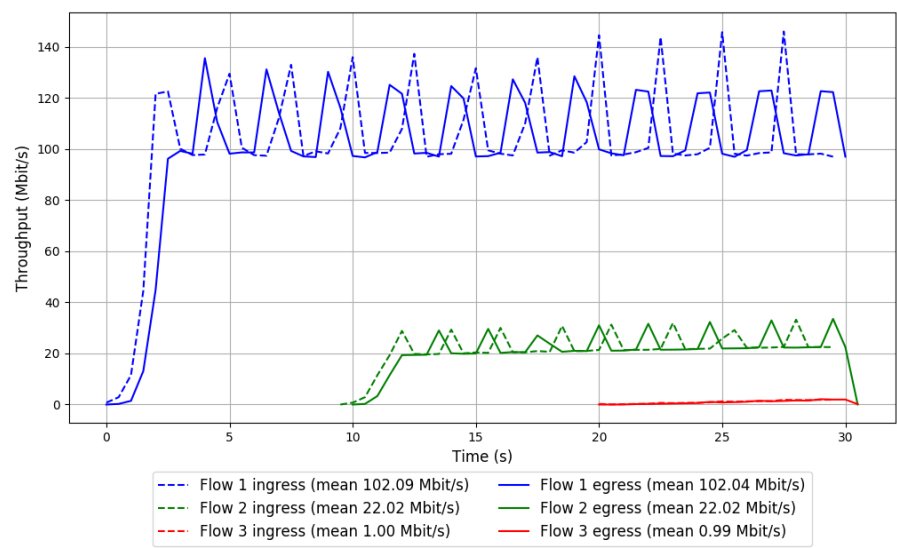


Run 1: Statistics of TCP Vegas

Start at: 2018-05-30 12:35:05
End at: 2018-05-30 12:35:35
Local clock offset: -0.202 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-30 18:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.72 Mbit/s
95th percentile per-packet one-way delay: 120.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.04 Mbit/s
95th percentile per-packet one-way delay: 120.550 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.02 Mbit/s
95th percentile per-packet one-way delay: 118.814 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 117.622 ms
Loss rate: 1.21%

Run 1: Report of TCP Vegas — Data Link

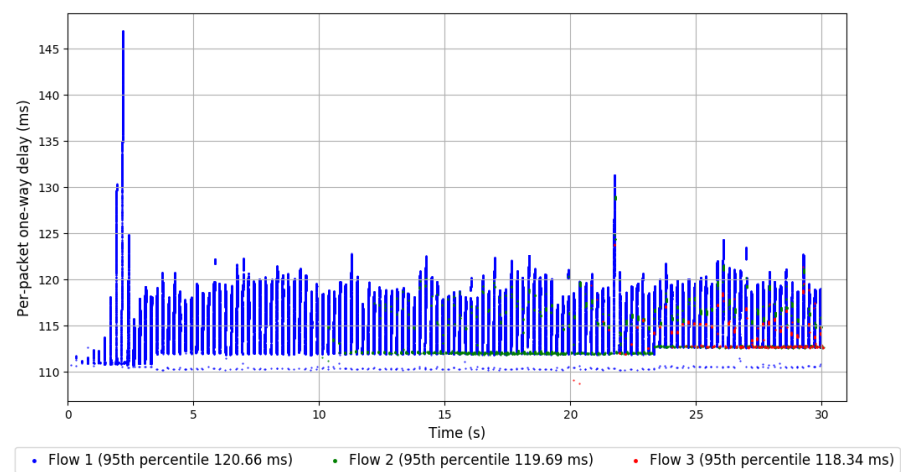
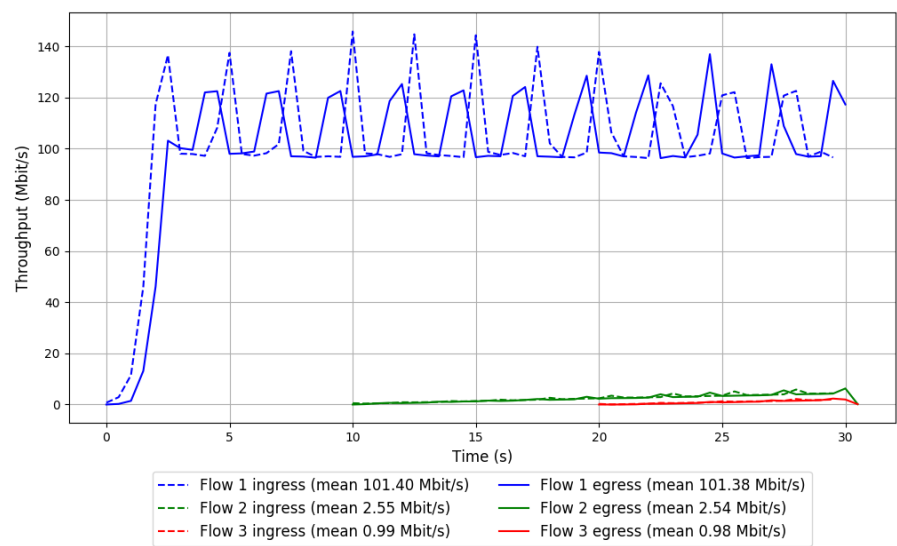


Run 2: Statistics of TCP Vegas

Start at: 2018-05-30 12:58:53
End at: 2018-05-30 12:59:23
Local clock offset: 0.033 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-30 18:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.04 Mbit/s
95th percentile per-packet one-way delay: 120.653 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 101.38 Mbit/s
95th percentile per-packet one-way delay: 120.659 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 119.688 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 118.345 ms
Loss rate: 1.22%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-30 13:22:17

End at: 2018-05-30 13:22:47

Local clock offset: -0.298 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-05-30 18:03:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.03 Mbit/s

95th percentile per-packet one-way delay: 124.671 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 101.92 Mbit/s

95th percentile per-packet one-way delay: 122.865 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.41 Mbit/s

95th percentile per-packet one-way delay: 126.062 ms

Loss rate: 0.00%

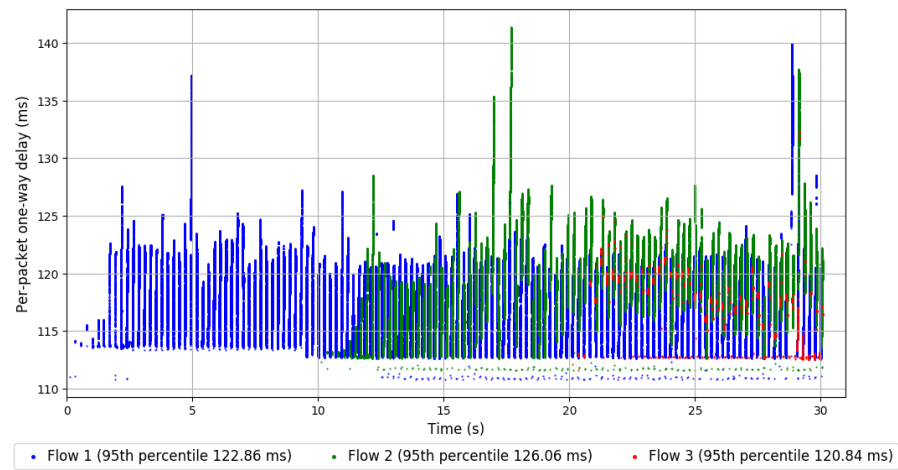
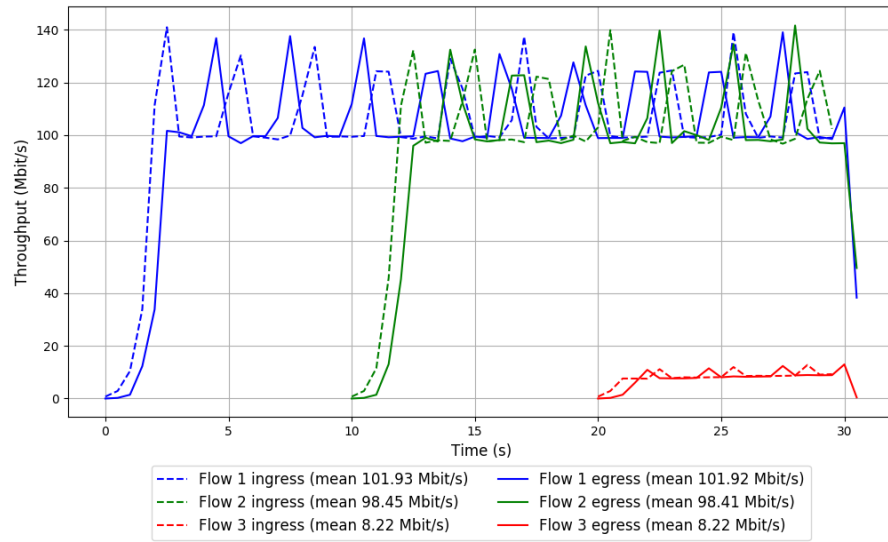
-- Flow 3:

Average throughput: 8.22 Mbit/s

95th percentile per-packet one-way delay: 120.841 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

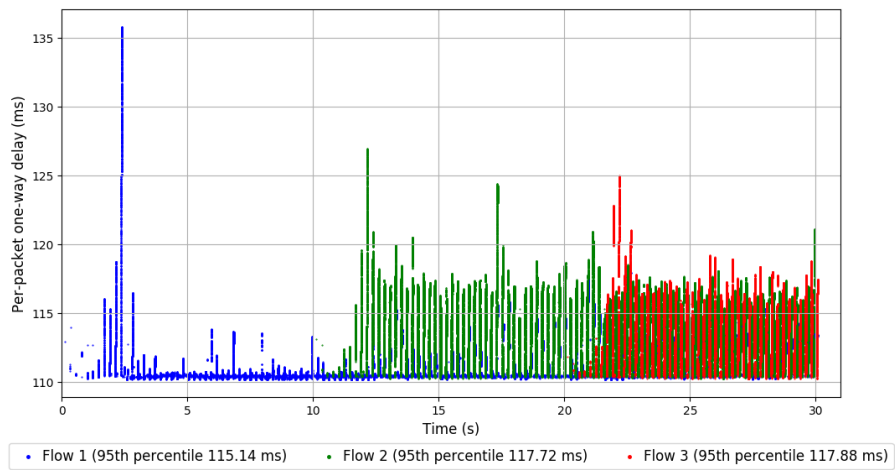
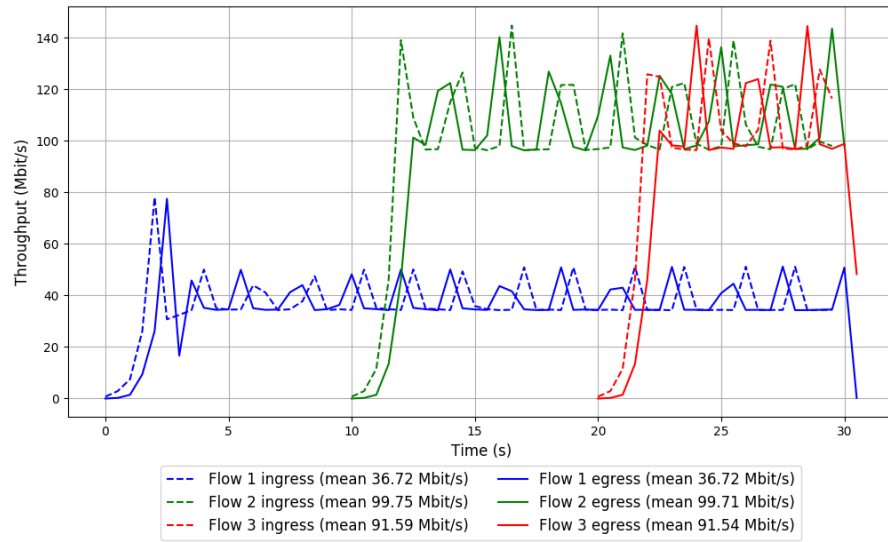


Run 4: Statistics of TCP Vegas

Start at: 2018-05-30 13:45:56
End at: 2018-05-30 13:46:26
Local clock offset: 0.079 ms
Remote clock offset: -0.073 ms

```
# Below is generated by plot.py at 2018-05-30 18:03:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 133.11 Mbit/s
95th percentile per-packet one-way delay: 117.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 115.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.71 Mbit/s
95th percentile per-packet one-way delay: 117.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 117.878 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

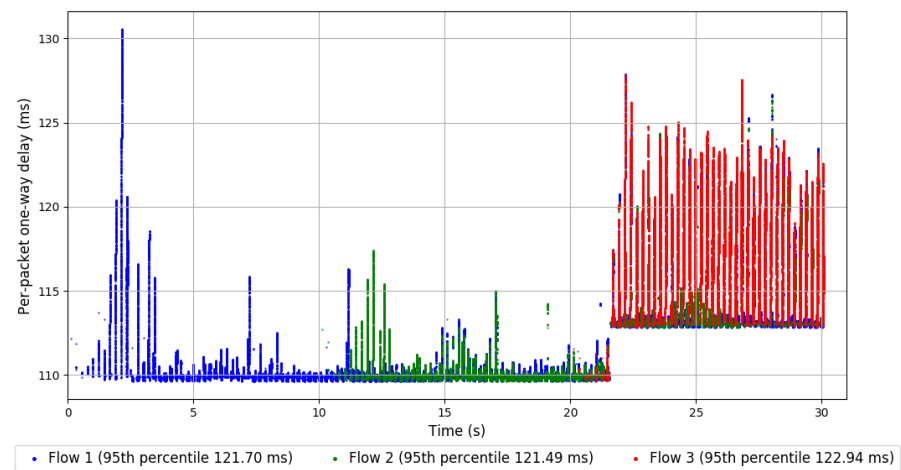
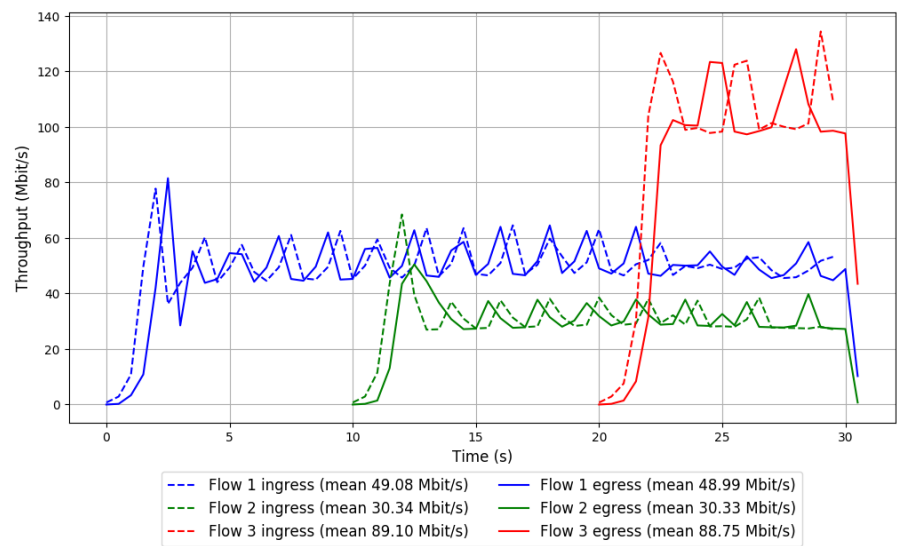


Run 5: Statistics of TCP Vegas

Start at: 2018-05-30 14:09:25
End at: 2018-05-30 14:09:55
Local clock offset: -0.301 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-30 18:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.65 Mbit/s
95th percentile per-packet one-way delay: 122.318 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 121.696 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 121.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 122.943 ms
Loss rate: 0.39%

Run 5: Report of TCP Vegas — Data Link

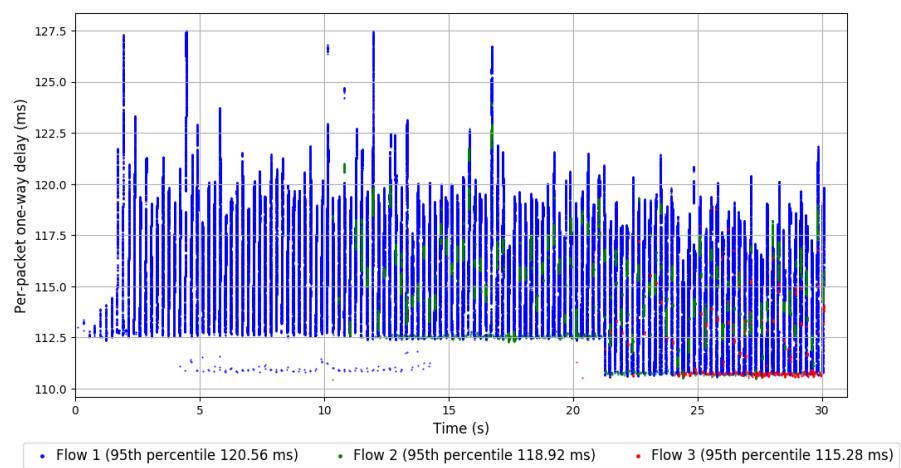
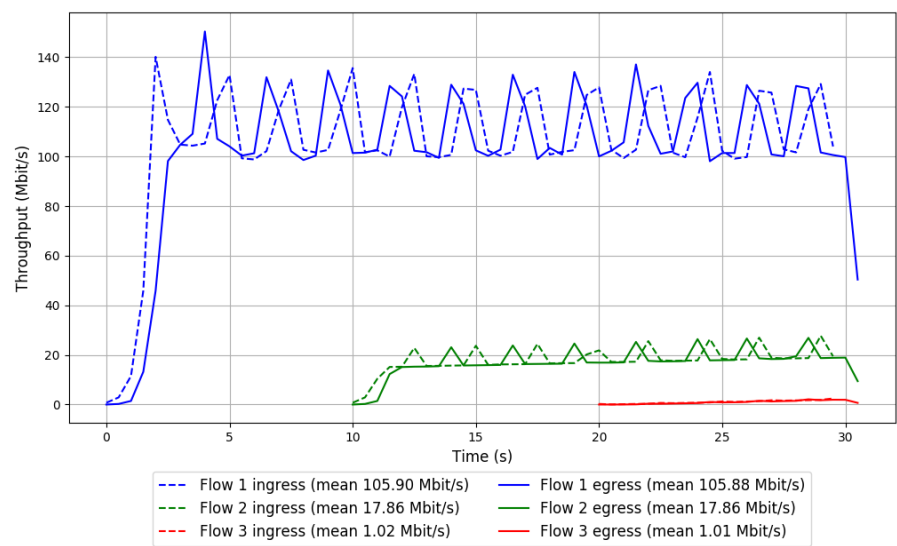


Run 6: Statistics of TCP Vegas

Start at: 2018-05-30 14:32:56
End at: 2018-05-30 14:33:26
Local clock offset: -0.094 ms
Remote clock offset: -0.081 ms

```
# Below is generated by plot.py at 2018-05-30 18:03:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.10 Mbit/s
95th percentile per-packet one-way delay: 120.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.88 Mbit/s
95th percentile per-packet one-way delay: 120.556 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 118.924 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 115.277 ms
Loss rate: 1.18%
```

Run 6: Report of TCP Vegas — Data Link

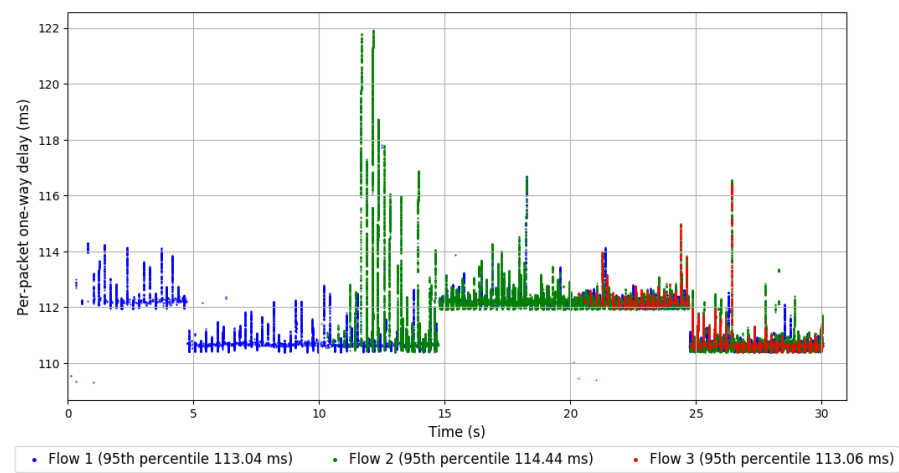
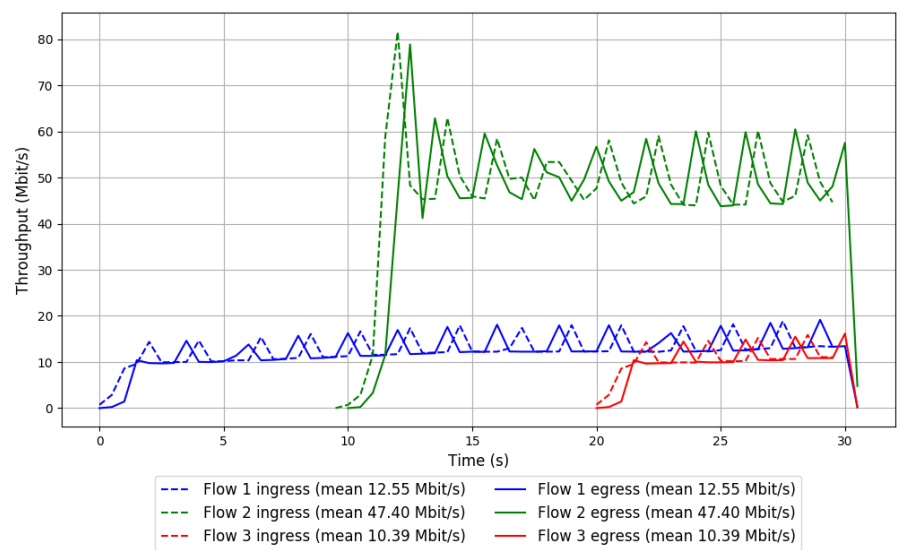


Run 7: Statistics of TCP Vegas

Start at: 2018-05-30 14:56:42
End at: 2018-05-30 14:57:12
Local clock offset: 0.114 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-30 18:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 113.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 113.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 114.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 113.055 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

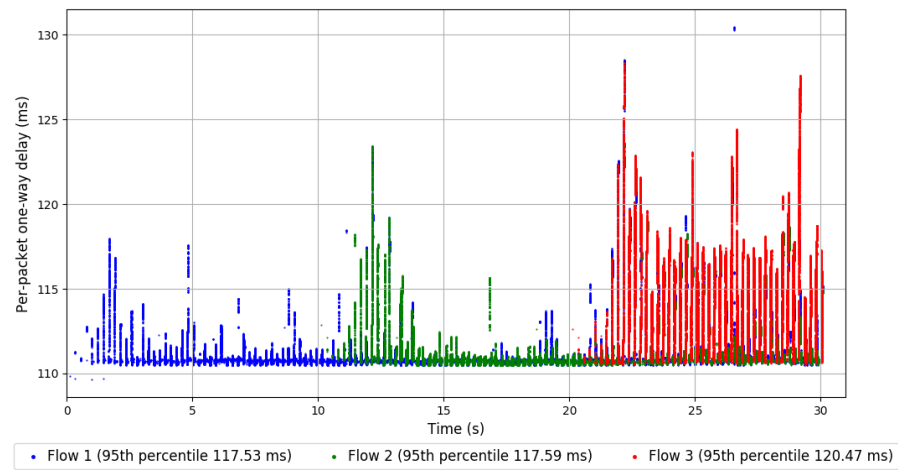
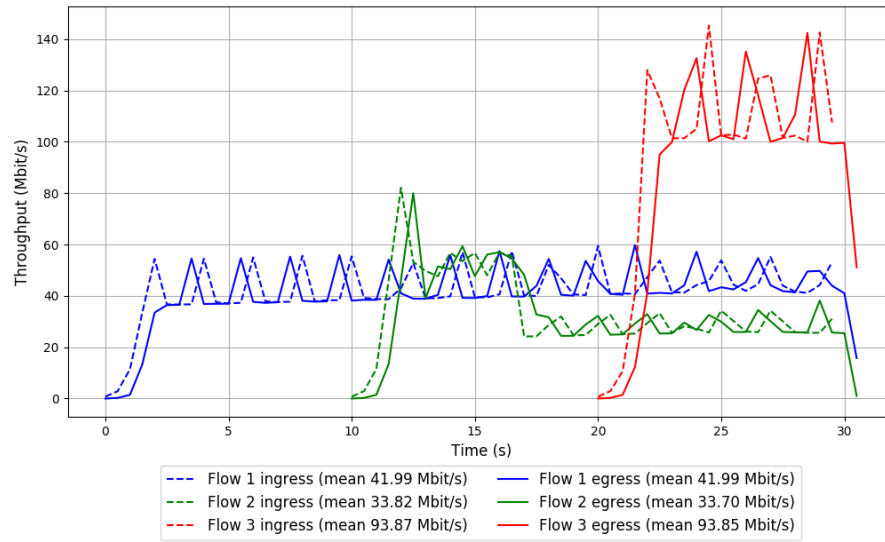


Run 8: Statistics of TCP Vegas

Start at: 2018-05-30 15:20:18
End at: 2018-05-30 15:20:48
Local clock offset: -0.012 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-05-30 18:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 118.640 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 117.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 117.587 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 120.468 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

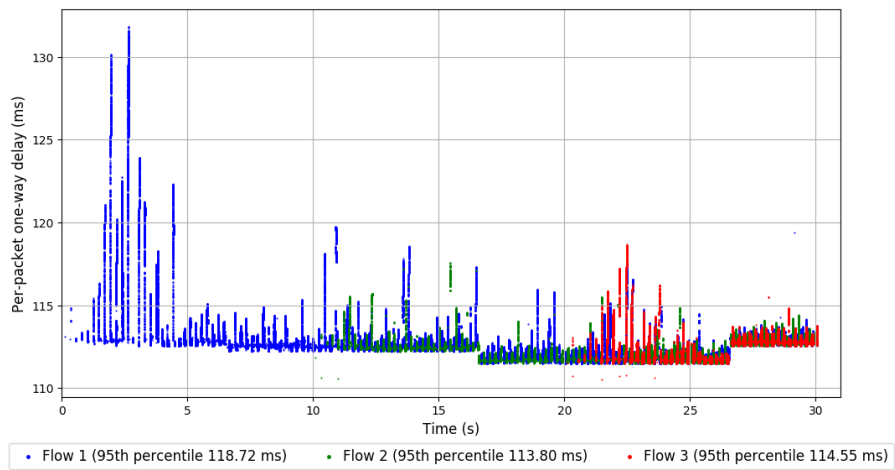
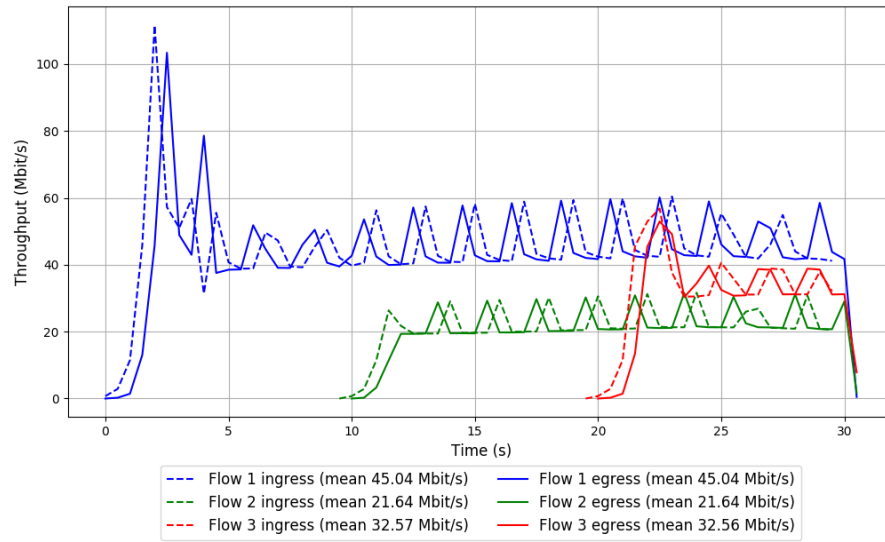


Run 9: Statistics of TCP Vegas

Start at: 2018-05-30 15:43:30
End at: 2018-05-30 15:44:00
Local clock offset: -0.263 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-05-30 18:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 116.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.04 Mbit/s
95th percentile per-packet one-way delay: 118.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 113.803 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 114.552 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-30 16:07:23

End at: 2018-05-30 16:07:53

Local clock offset: -0.596 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-05-30 18:03:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.56 Mbit/s

95th percentile per-packet one-way delay: 116.039 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 59.34 Mbit/s

95th percentile per-packet one-way delay: 116.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.99 Mbit/s

95th percentile per-packet one-way delay: 116.224 ms

Loss rate: 0.00%

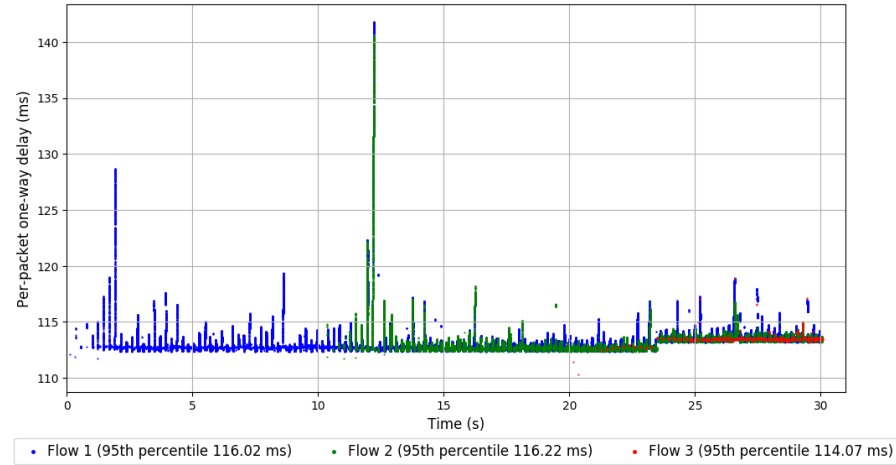
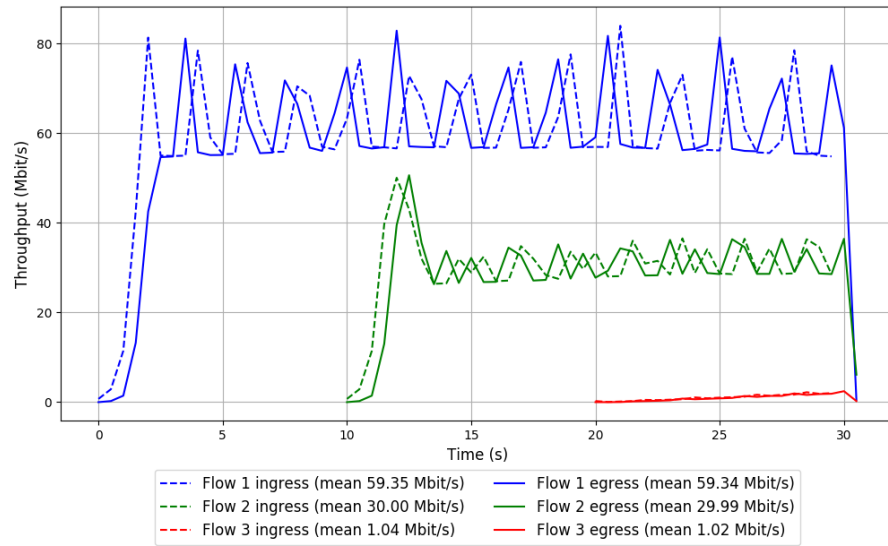
-- Flow 3:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 114.070 ms

Loss rate: 1.17%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-30 12:52:44

End at: 2018-05-30 12:53:14

Local clock offset: -0.157 ms

Remote clock offset: 0.255 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 254.10 Mbit/s

95th percentile per-packet one-way delay: 175.322 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 160.01 Mbit/s

95th percentile per-packet one-way delay: 179.657 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 80.92 Mbit/s

95th percentile per-packet one-way delay: 150.242 ms

Loss rate: 0.00%

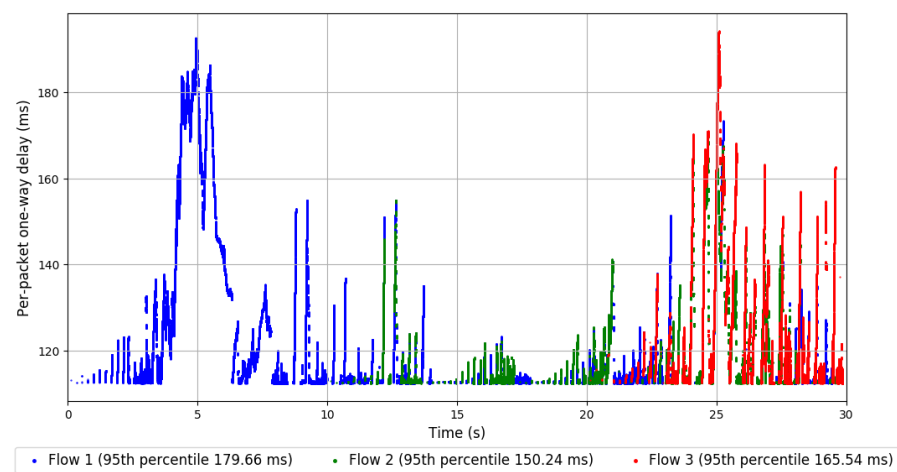
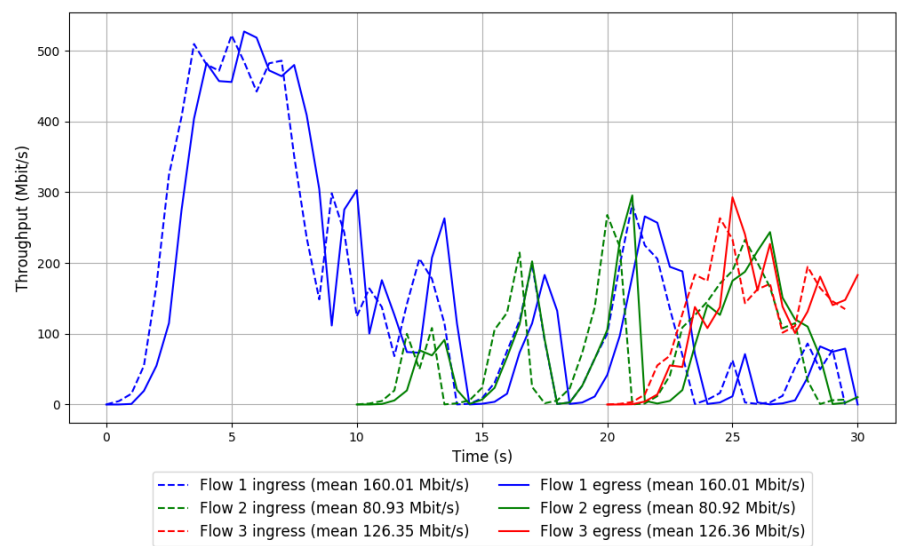
-- Flow 3:

Average throughput: 126.36 Mbit/s

95th percentile per-packet one-way delay: 165.542 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-30 13:16:30

End at: 2018-05-30 13:17:00

Local clock offset: -0.118 ms

Remote clock offset: 0.285 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.71 Mbit/s

95th percentile per-packet one-way delay: 304.885 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 182.31 Mbit/s

95th percentile per-packet one-way delay: 314.870 ms

Loss rate: 1.61%

-- Flow 2:

Average throughput: 42.12 Mbit/s

95th percentile per-packet one-way delay: 213.508 ms

Loss rate: 0.63%

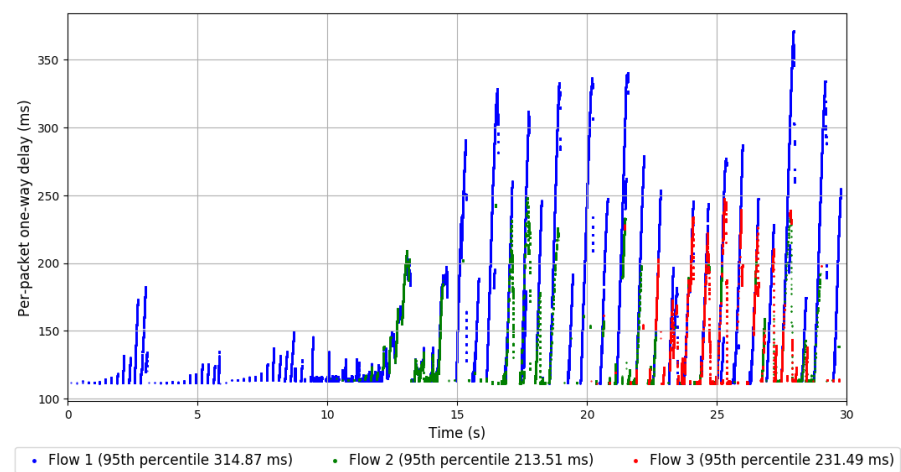
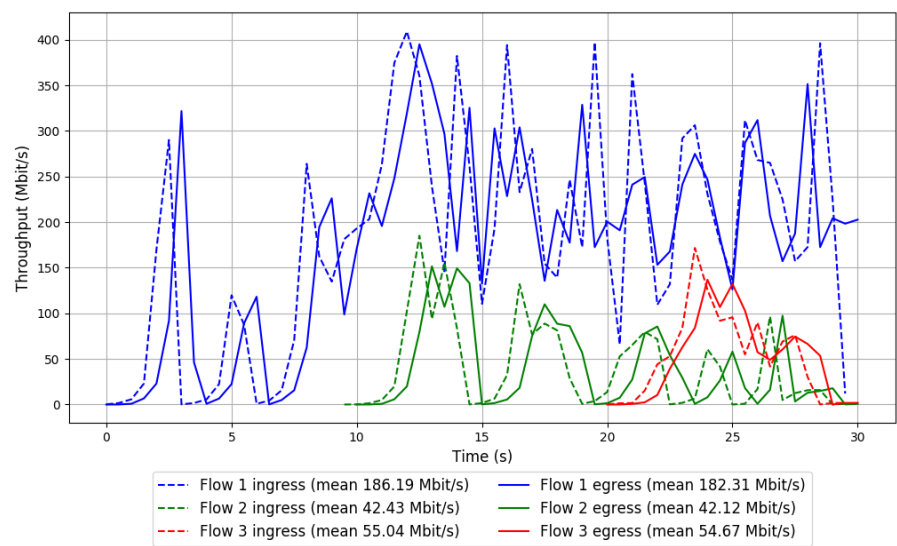
-- Flow 3:

Average throughput: 54.67 Mbit/s

95th percentile per-packet one-way delay: 231.493 ms

Loss rate: 0.68%

Run 2: Report of Verus — Data Link

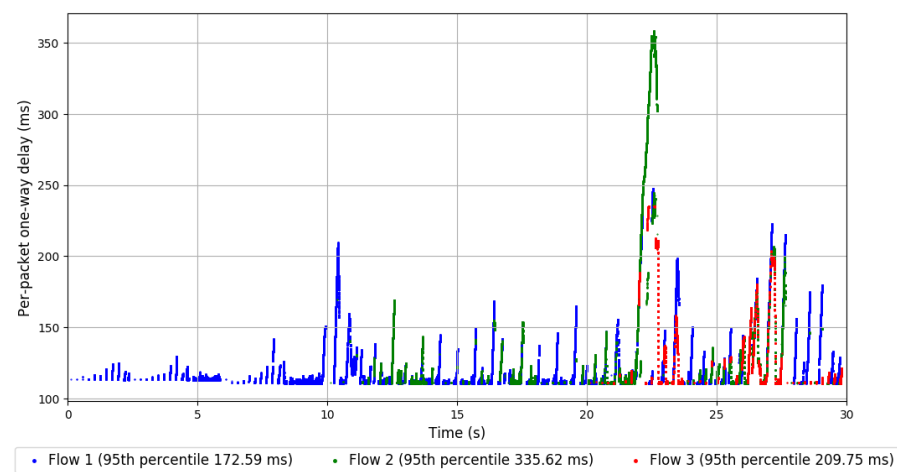
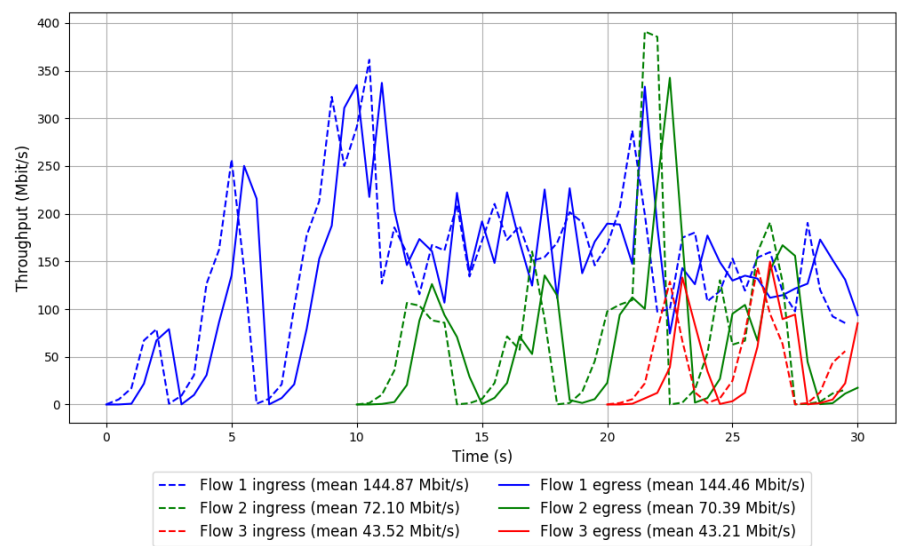


Run 3: Statistics of Verus

Start at: 2018-05-30 13:39:50
End at: 2018-05-30 13:40:20
Local clock offset: -0.252 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-30 18:04:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 204.87 Mbit/s
95th percentile per-packet one-way delay: 209.653 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 144.46 Mbit/s
95th percentile per-packet one-way delay: 172.593 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 335.616 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 209.753 ms
Loss rate: 0.62%

Run 3: Report of Verus — Data Link

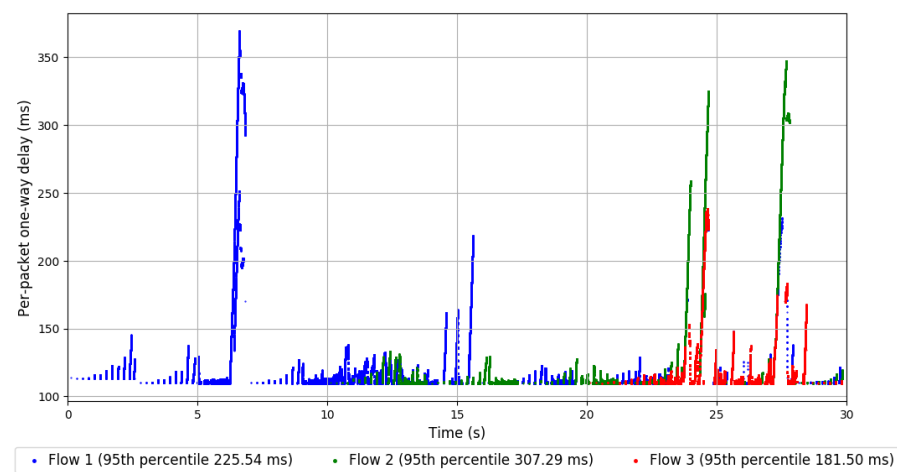
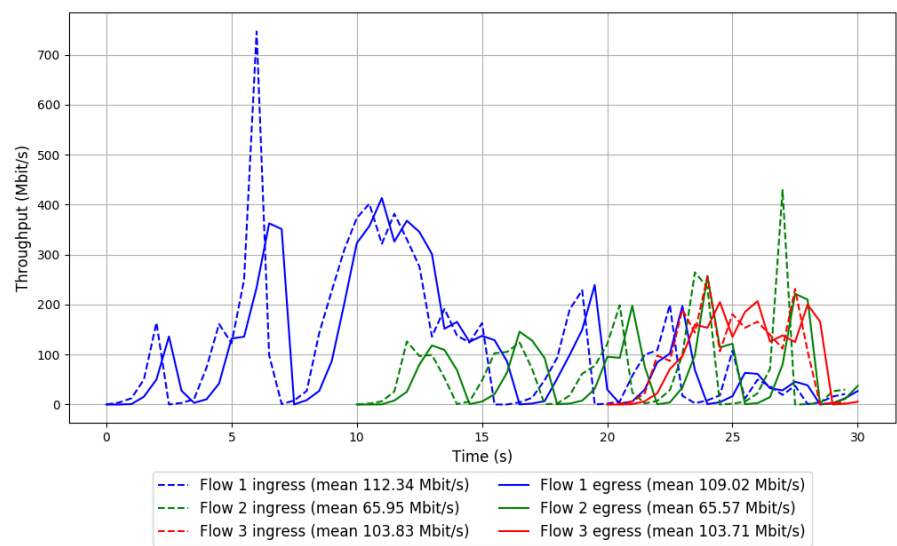


Run 4: Statistics of Verus

Start at: 2018-05-30 14:03:24
End at: 2018-05-30 14:03:54
Local clock offset: -0.256 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-30 18:04:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.94 Mbit/s
95th percentile per-packet one-way delay: 276.120 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 109.02 Mbit/s
95th percentile per-packet one-way delay: 225.537 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 307.285 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 103.71 Mbit/s
95th percentile per-packet one-way delay: 181.500 ms
Loss rate: 0.10%

Run 4: Report of Verus — Data Link

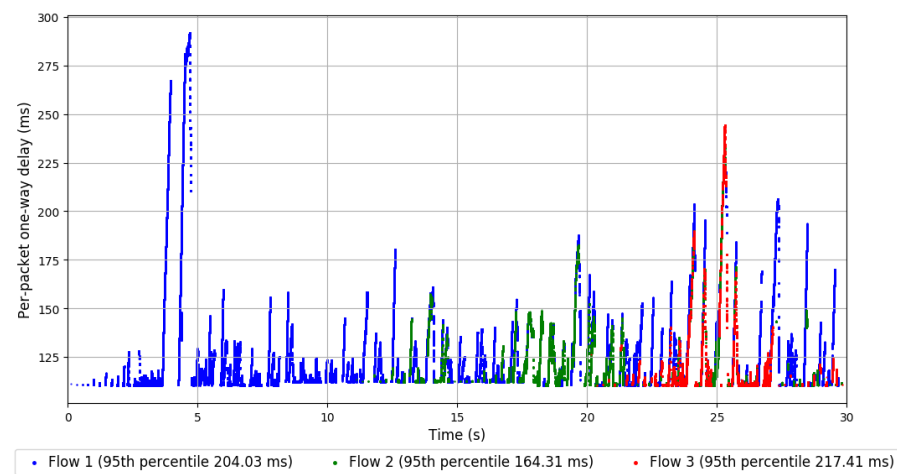
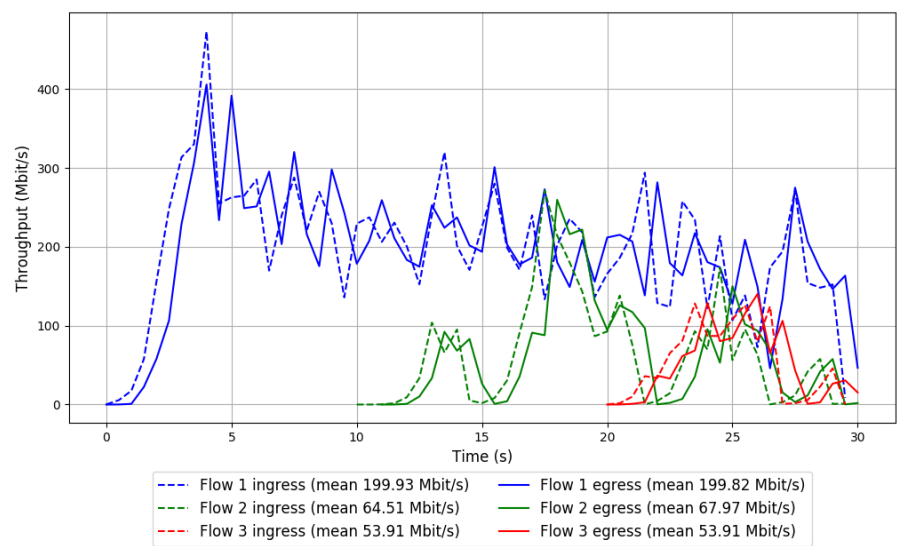


Run 5: Statistics of Verus

Start at: 2018-05-30 14:26:48
End at: 2018-05-30 14:27:18
Local clock offset: -0.134 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-30 18:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.91 Mbit/s
95th percentile per-packet one-way delay: 197.595 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 199.82 Mbit/s
95th percentile per-packet one-way delay: 204.027 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 164.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 217.410 ms
Loss rate: 0.17%

Run 5: Report of Verus — Data Link

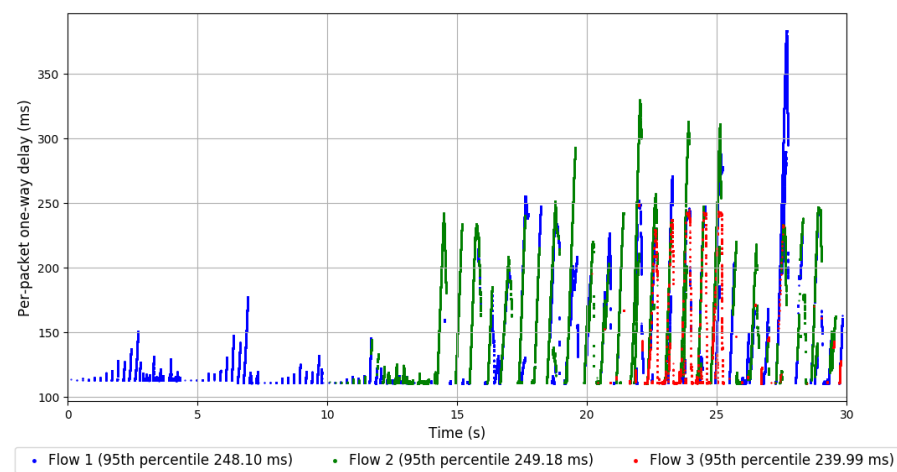
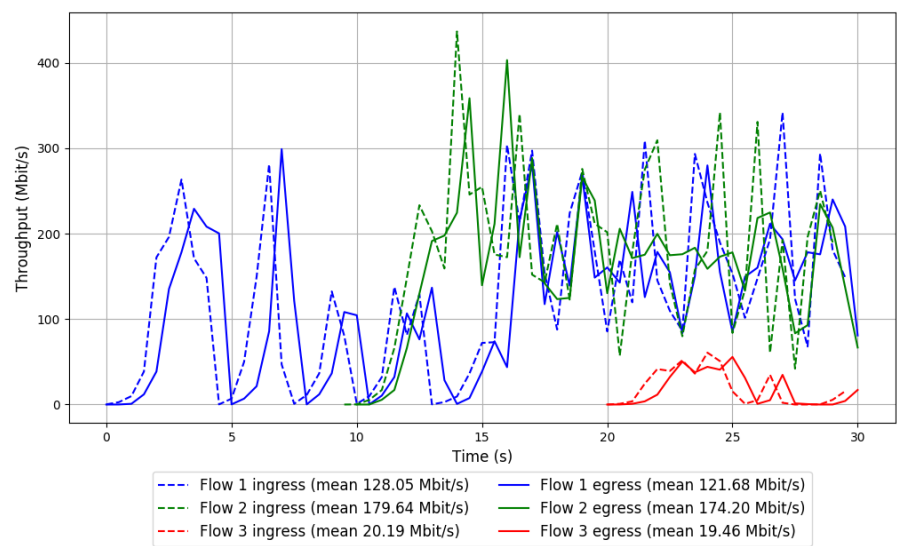


Run 6: Statistics of Verus

Start at: 2018-05-30 14:50:30
End at: 2018-05-30 14:51:00
Local clock offset: -0.173 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-30 18:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.06 Mbit/s
95th percentile per-packet one-way delay: 247.821 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 121.68 Mbit/s
95th percentile per-packet one-way delay: 248.103 ms
Loss rate: 4.97%
-- Flow 2:
Average throughput: 174.20 Mbit/s
95th percentile per-packet one-way delay: 249.179 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 239.994 ms
Loss rate: 4.32%

Run 6: Report of Verus — Data Link

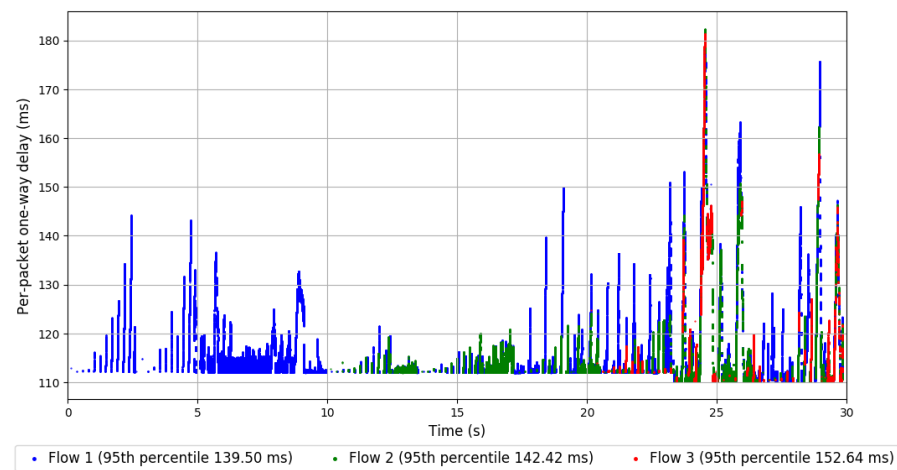
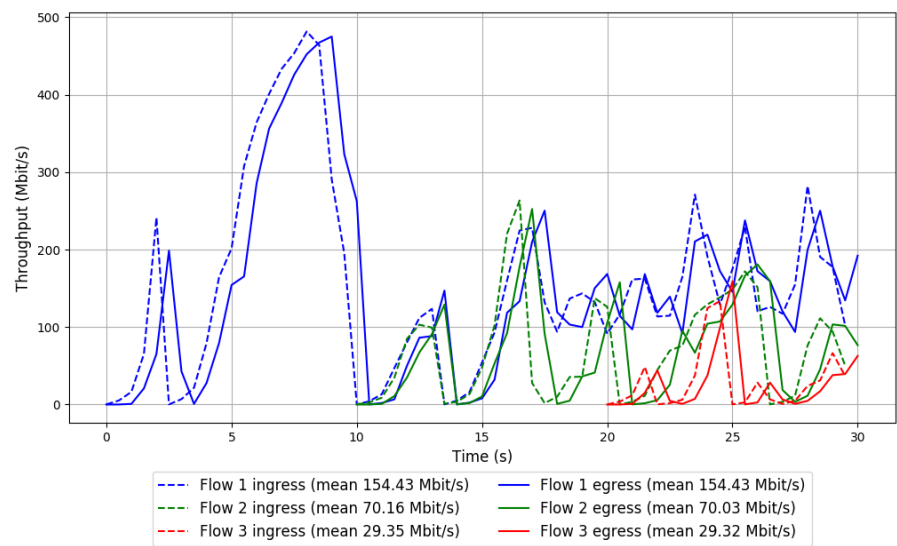


Run 7: Statistics of Verus

Start at: 2018-05-30 15:14:03
End at: 2018-05-30 15:14:33
Local clock offset: 0.056 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-05-30 18:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.44 Mbit/s
95th percentile per-packet one-way delay: 141.653 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 154.43 Mbit/s
95th percentile per-packet one-way delay: 139.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 142.418 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 29.32 Mbit/s
95th percentile per-packet one-way delay: 152.643 ms
Loss rate: 0.20%

Run 7: Report of Verus — Data Link

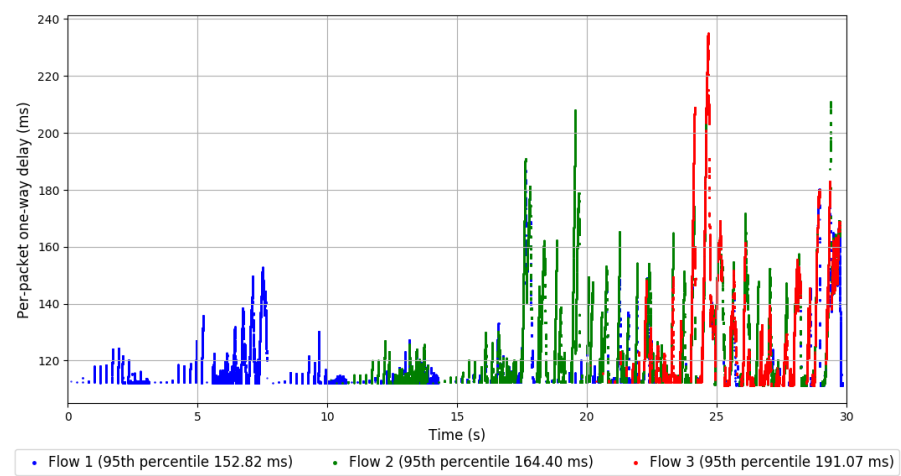
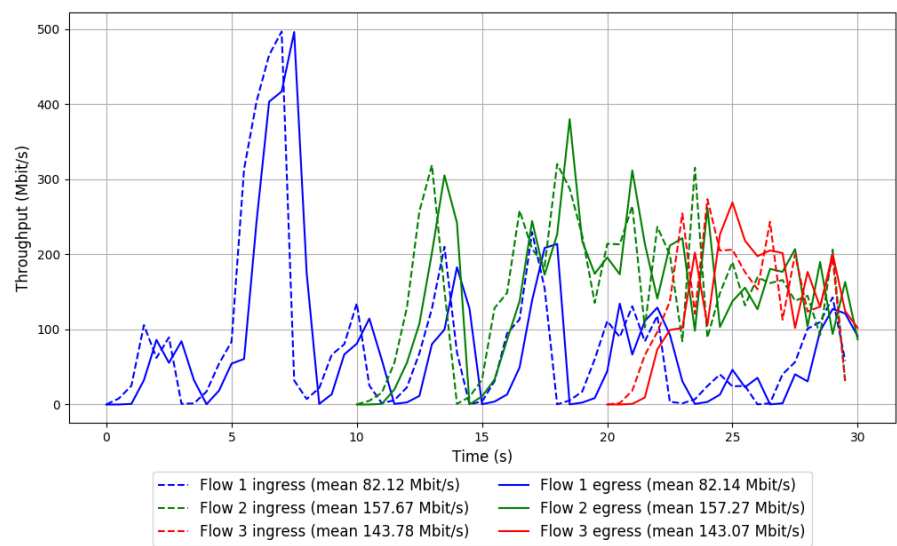


Run 8: Statistics of Verus

Start at: 2018-05-30 15:37:32
End at: 2018-05-30 15:38:02
Local clock offset: -0.108 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-05-30 18:07:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.10 Mbit/s
95th percentile per-packet one-way delay: 165.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 152.820 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 157.27 Mbit/s
95th percentile per-packet one-way delay: 164.403 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 143.07 Mbit/s
95th percentile per-packet one-way delay: 191.067 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

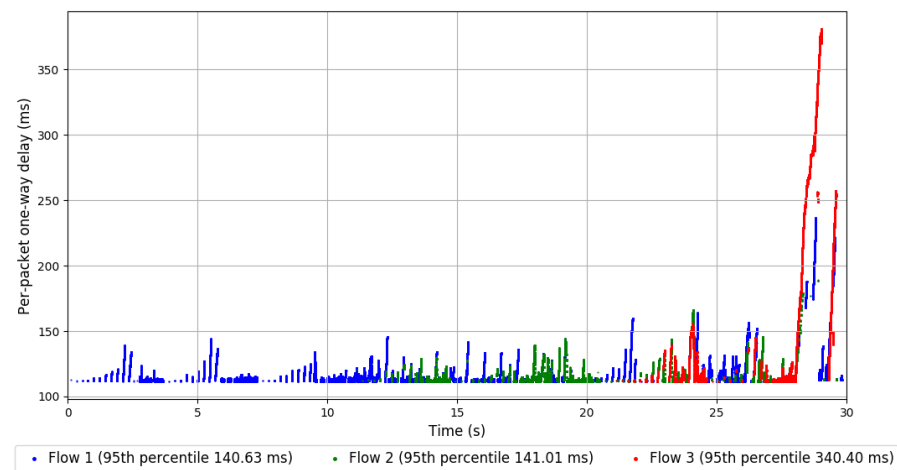
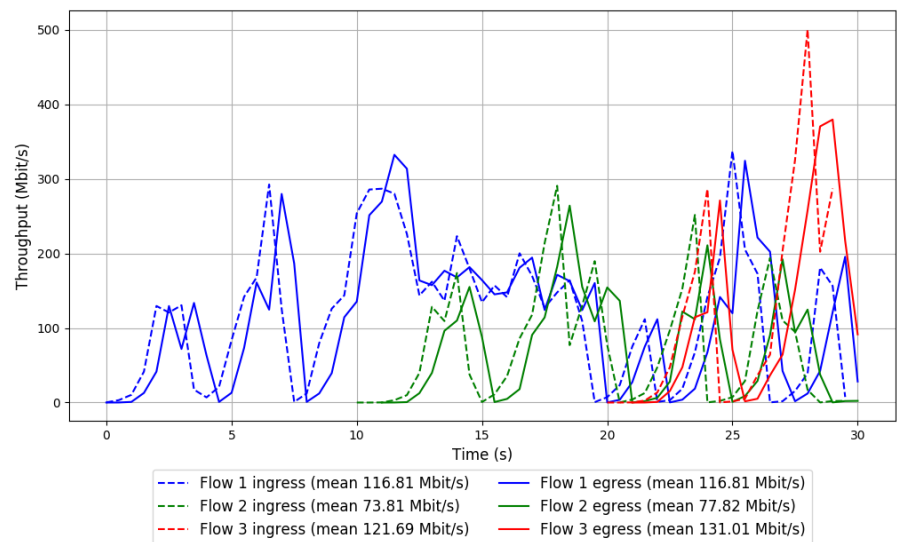


Run 9: Statistics of Verus

Start at: 2018-05-30 16:01:08
End at: 2018-05-30 16:01:38
Local clock offset: 0.146 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-30 18:07:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.50 Mbit/s
95th percentile per-packet one-way delay: 230.274 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 116.81 Mbit/s
95th percentile per-packet one-way delay: 140.631 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 141.010 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.01 Mbit/s
95th percentile per-packet one-way delay: 340.403 ms
Loss rate: 2.26%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-30 16:25:05

End at: 2018-05-30 16:25:35

Local clock offset: 0.055 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2018-05-30 18:08:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.62 Mbit/s

95th percentile per-packet one-way delay: 257.605 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 258.92 Mbit/s

95th percentile per-packet one-way delay: 261.743 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 82.06 Mbit/s

95th percentile per-packet one-way delay: 211.064 ms

Loss rate: 0.19%

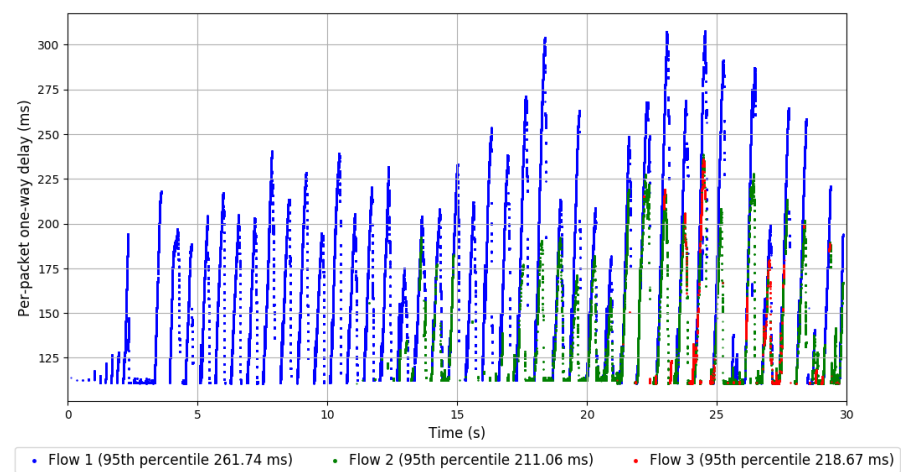
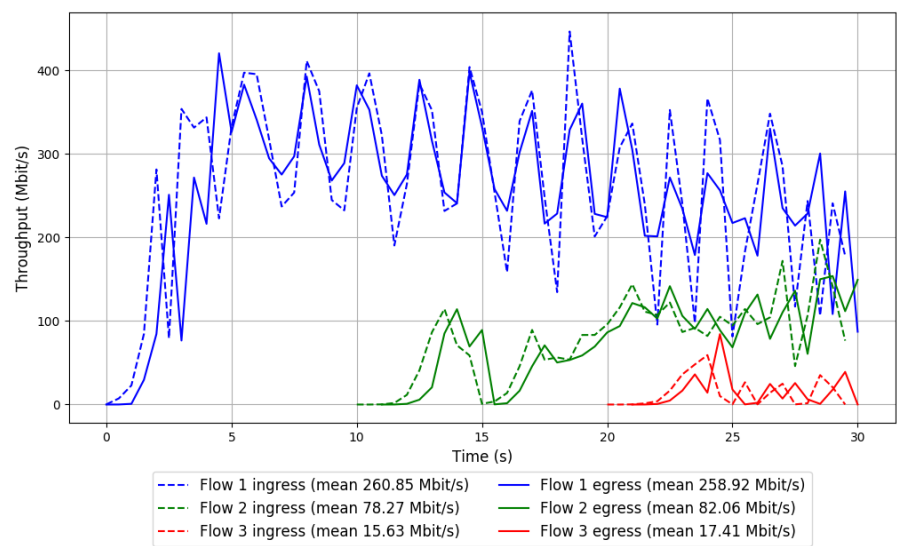
-- Flow 3:

Average throughput: 17.41 Mbit/s

95th percentile per-packet one-way delay: 218.674 ms

Loss rate: 0.29%

Run 10: Report of Verus — Data Link

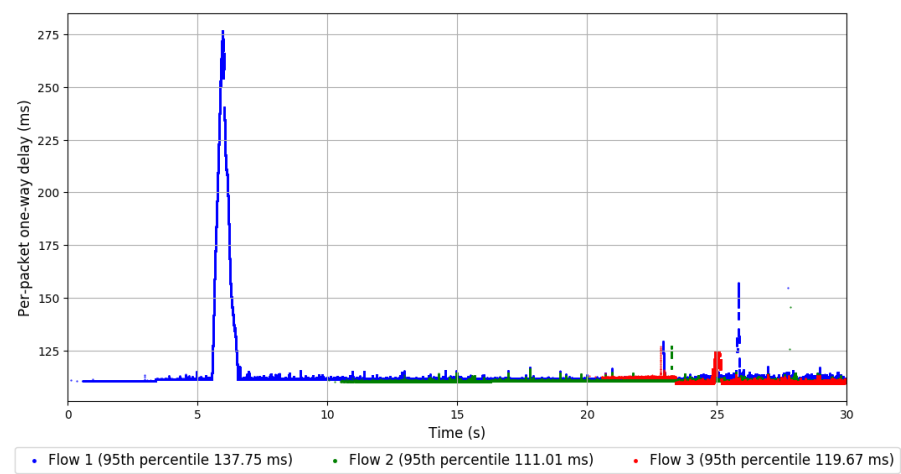
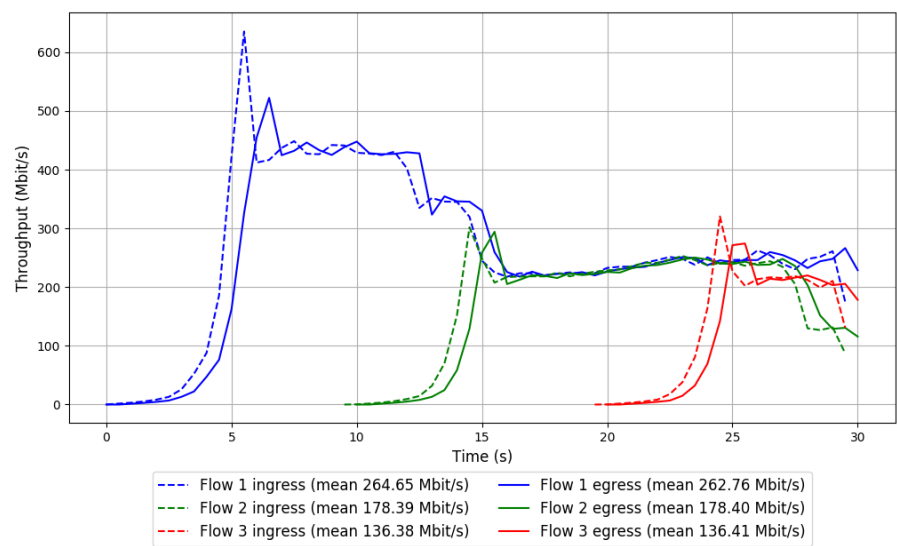


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-30 12:46:23
End at: 2018-05-30 12:46:53
Local clock offset: 0.13 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-30 18:11:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.65 Mbit/s
95th percentile per-packet one-way delay: 116.224 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 262.76 Mbit/s
95th percentile per-packet one-way delay: 137.747 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 178.40 Mbit/s
95th percentile per-packet one-way delay: 111.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.41 Mbit/s
95th percentile per-packet one-way delay: 119.667 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-30 13:10:07

End at: 2018-05-30 13:10:37

Local clock offset: -0.344 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-05-30 18:11:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.77 Mbit/s

95th percentile per-packet one-way delay: 113.144 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 259.34 Mbit/s

95th percentile per-packet one-way delay: 122.955 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 197.36 Mbit/s

95th percentile per-packet one-way delay: 111.831 ms

Loss rate: 0.00%

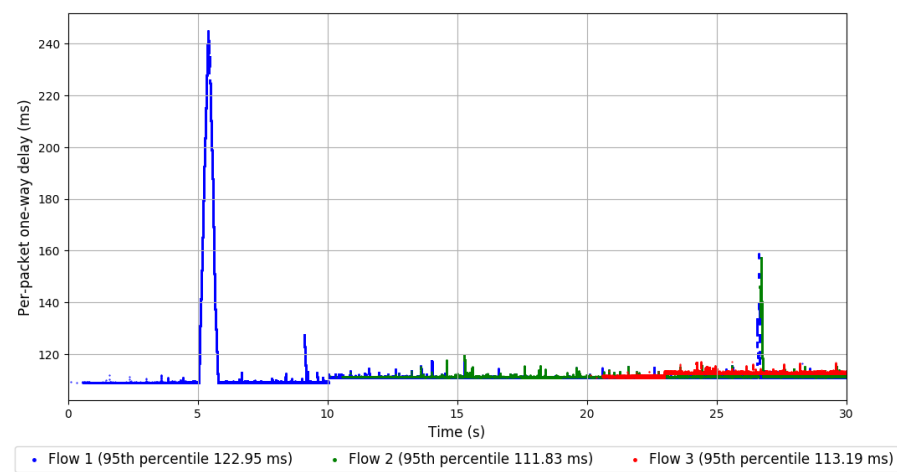
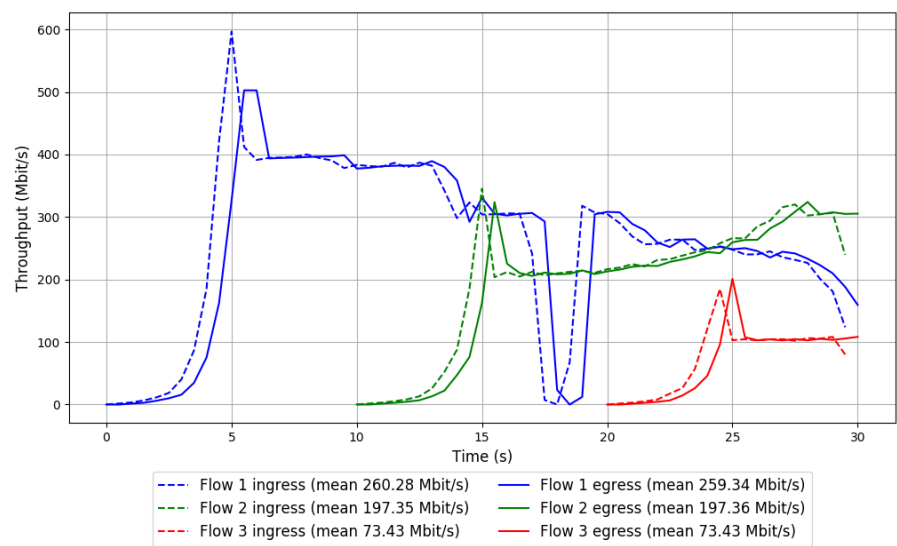
-- Flow 3:

Average throughput: 73.43 Mbit/s

95th percentile per-packet one-way delay: 113.189 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

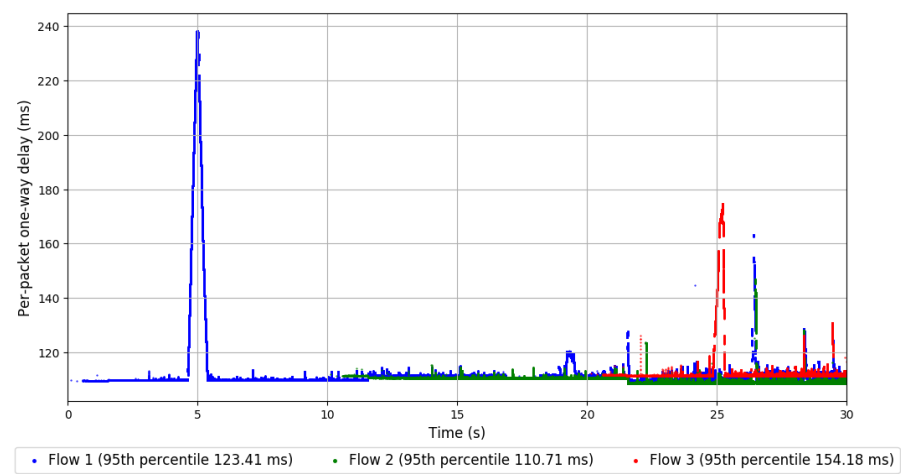
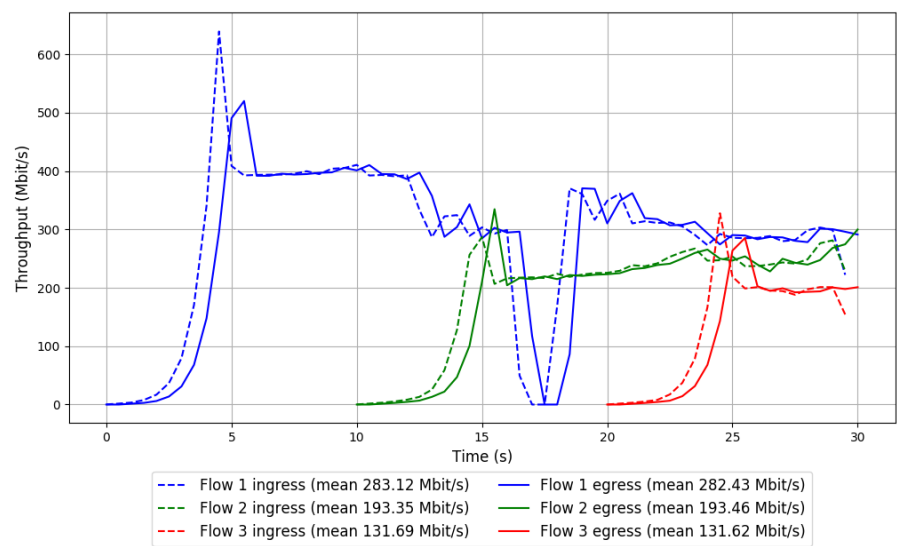


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-30 13:33:25
End at: 2018-05-30 13:33:55
Local clock offset: -0.141 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-05-30 18:12:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.39 Mbit/s
95th percentile per-packet one-way delay: 119.284 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 282.43 Mbit/s
95th percentile per-packet one-way delay: 123.412 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 193.46 Mbit/s
95th percentile per-packet one-way delay: 110.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.62 Mbit/s
95th percentile per-packet one-way delay: 154.180 ms
Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link

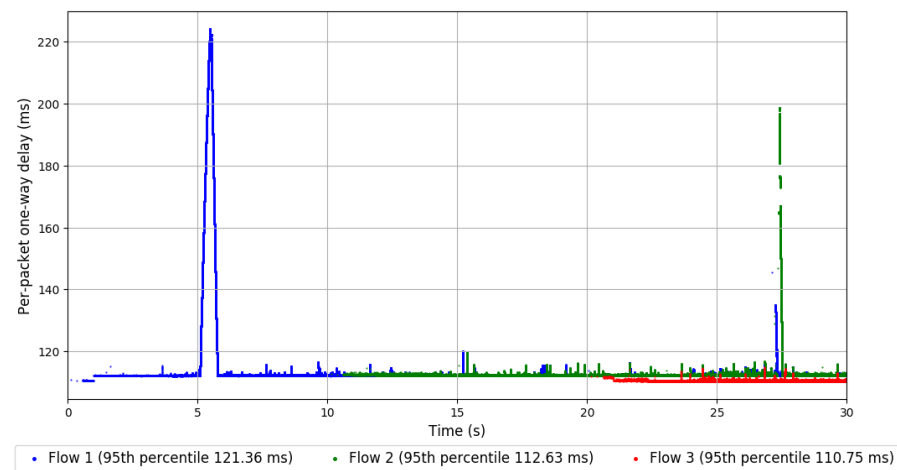
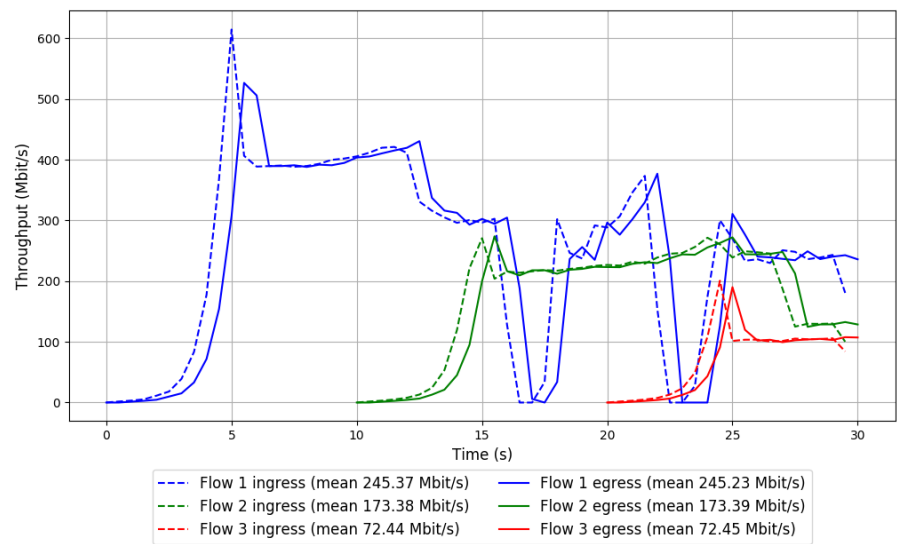


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-30 13:57:09
End at: 2018-05-30 13:57:39
Local clock offset: 0.103 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-30 18:12:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.33 Mbit/s
95th percentile per-packet one-way delay: 113.447 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 245.23 Mbit/s
95th percentile per-packet one-way delay: 121.365 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 173.39 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.45 Mbit/s
95th percentile per-packet one-way delay: 110.755 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

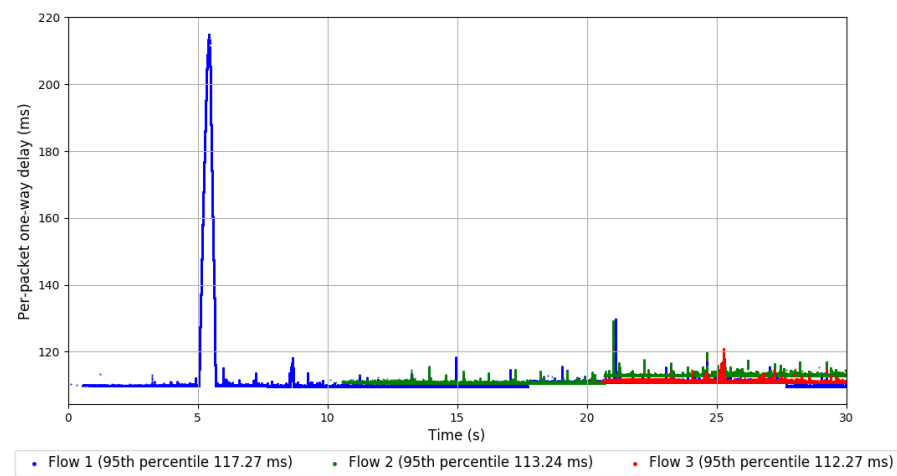
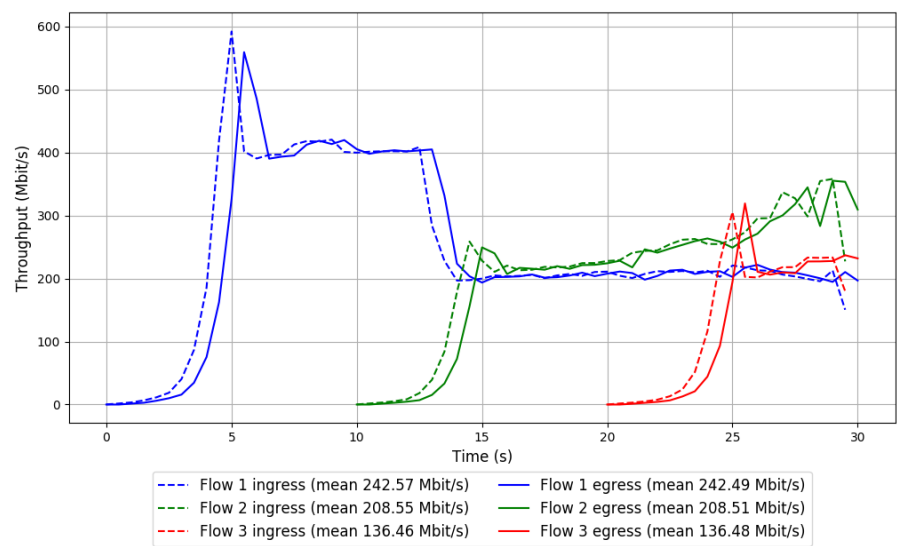


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-30 14:20:29
End at: 2018-05-30 14:20:59
Local clock offset: -0.124 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-30 18:12:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.05 Mbit/s
95th percentile per-packet one-way delay: 113.317 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 242.49 Mbit/s
95th percentile per-packet one-way delay: 117.265 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 208.51 Mbit/s
95th percentile per-packet one-way delay: 113.243 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 136.48 Mbit/s
95th percentile per-packet one-way delay: 112.271 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

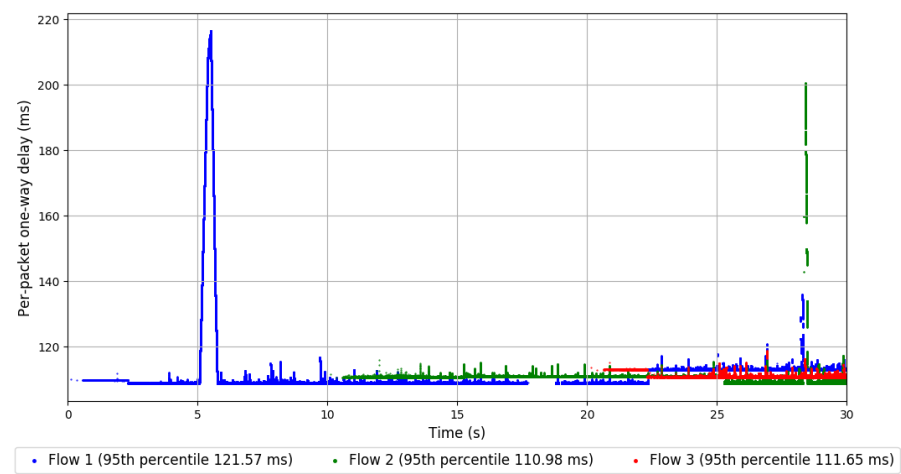
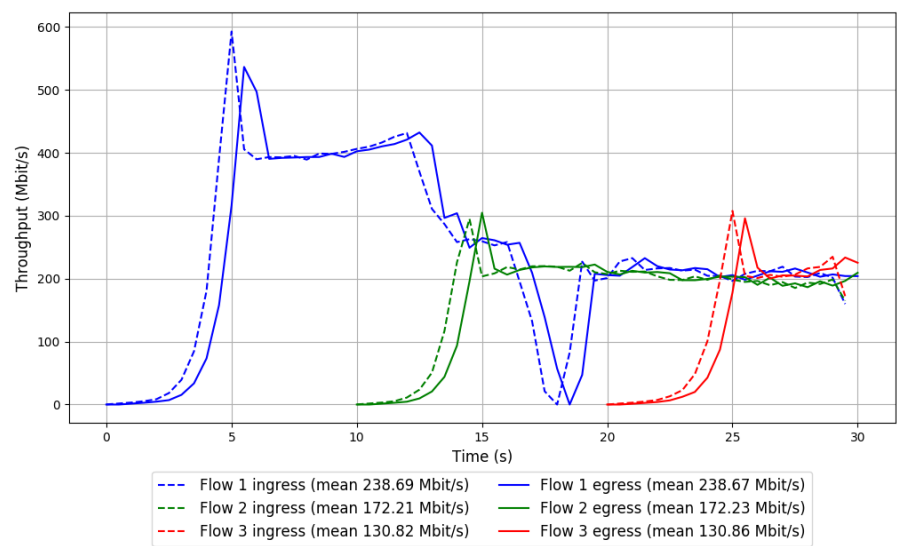


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-30 14:44:14
End at: 2018-05-30 14:44:44
Local clock offset: -0.145 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-30 18:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.19 Mbit/s
95th percentile per-packet one-way delay: 113.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.67 Mbit/s
95th percentile per-packet one-way delay: 121.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.23 Mbit/s
95th percentile per-packet one-way delay: 110.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.86 Mbit/s
95th percentile per-packet one-way delay: 111.652 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-30 15:07:53

End at: 2018-05-30 15:08:23

Local clock offset: 0.062 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-30 18:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.26 Mbit/s

95th percentile per-packet one-way delay: 114.224 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 203.37 Mbit/s

95th percentile per-packet one-way delay: 116.763 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 165.53 Mbit/s

95th percentile per-packet one-way delay: 111.436 ms

Loss rate: 0.00%

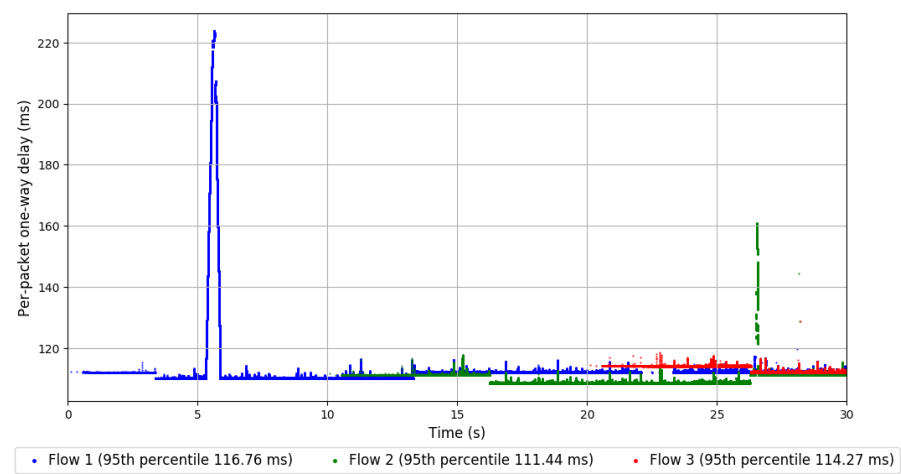
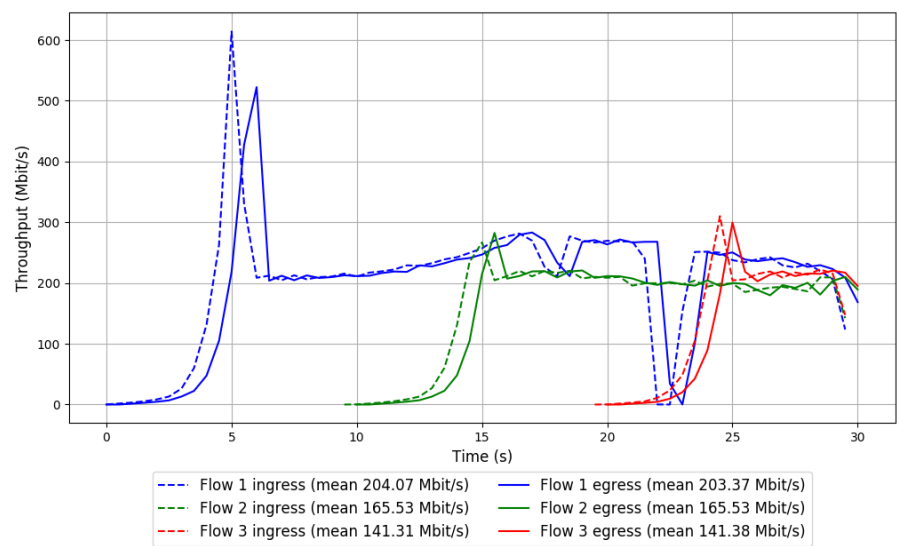
-- Flow 3:

Average throughput: 141.38 Mbit/s

95th percentile per-packet one-way delay: 114.272 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-30 15:31:23

End at: 2018-05-30 15:31:53

Local clock offset: -0.148 ms

Remote clock offset: 0.263 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.74 Mbit/s

95th percentile per-packet one-way delay: 112.758 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 222.38 Mbit/s

95th percentile per-packet one-way delay: 112.071 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 168.77 Mbit/s

95th percentile per-packet one-way delay: 112.811 ms

Loss rate: 0.00%

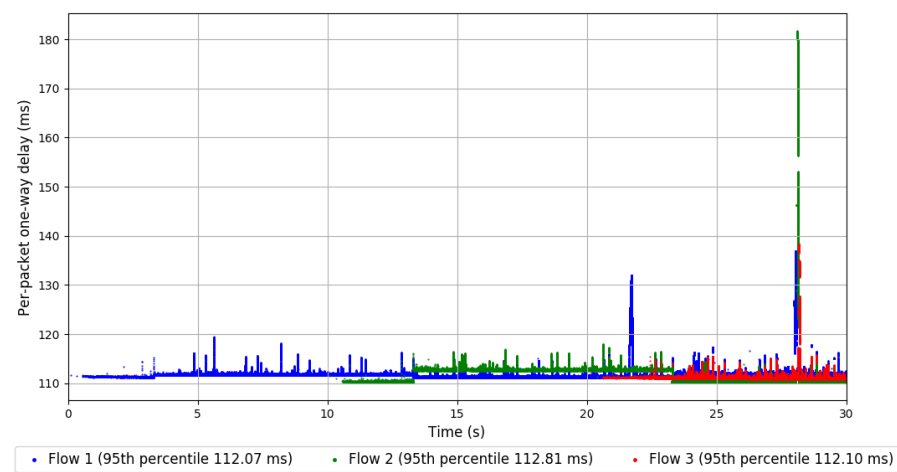
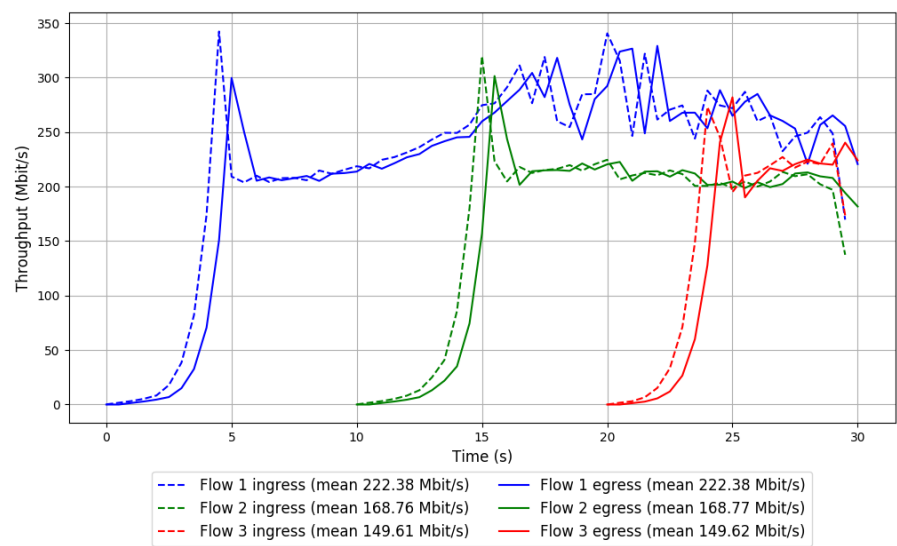
-- Flow 3:

Average throughput: 149.62 Mbit/s

95th percentile per-packet one-way delay: 112.102 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

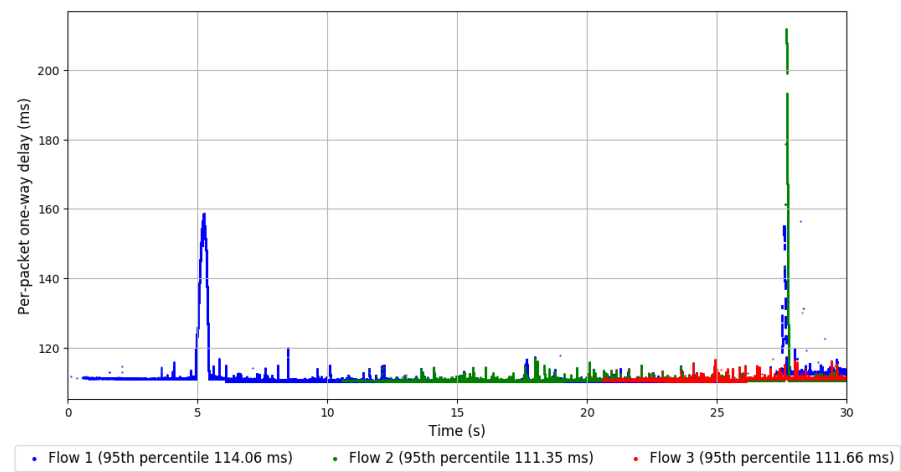
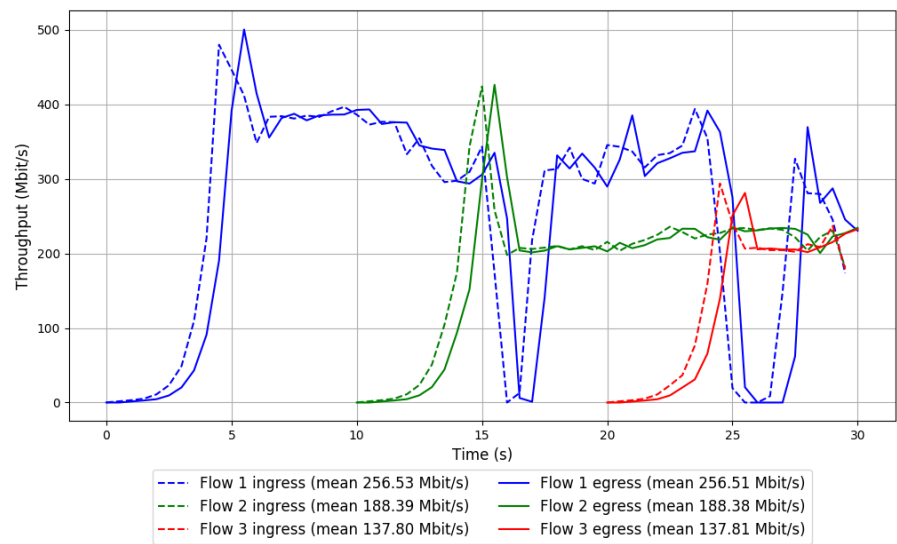


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-30 15:54:51
End at: 2018-05-30 15:55:21
Local clock offset: 0.014 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-30 18:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.23 Mbit/s
95th percentile per-packet one-way delay: 112.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.51 Mbit/s
95th percentile per-packet one-way delay: 114.057 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 188.38 Mbit/s
95th percentile per-packet one-way delay: 111.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 137.81 Mbit/s
95th percentile per-packet one-way delay: 111.657 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

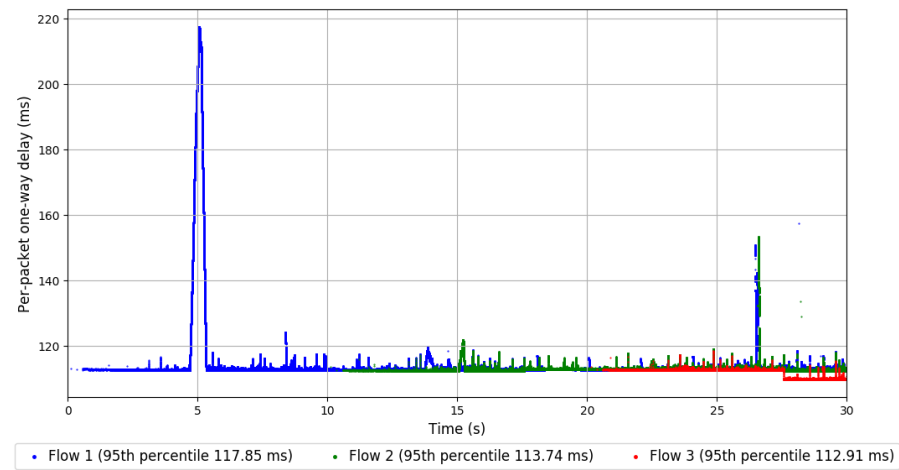
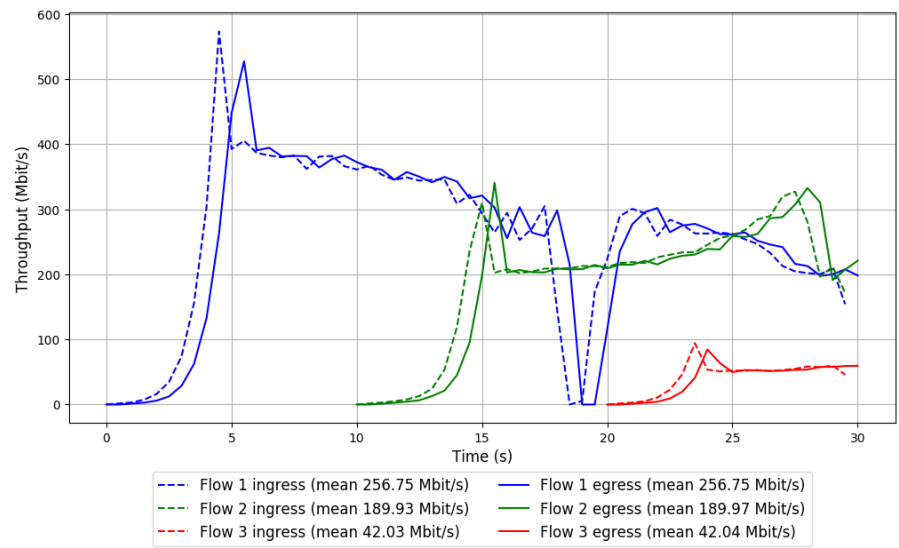


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-30 16:18:49
End at: 2018-05-30 16:19:19
Local clock offset: -0.398 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-30 18:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.88 Mbit/s
95th percentile per-packet one-way delay: 115.731 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 256.75 Mbit/s
95th percentile per-packet one-way delay: 117.854 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 189.97 Mbit/s
95th percentile per-packet one-way delay: 113.739 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.04 Mbit/s
95th percentile per-packet one-way delay: 112.910 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

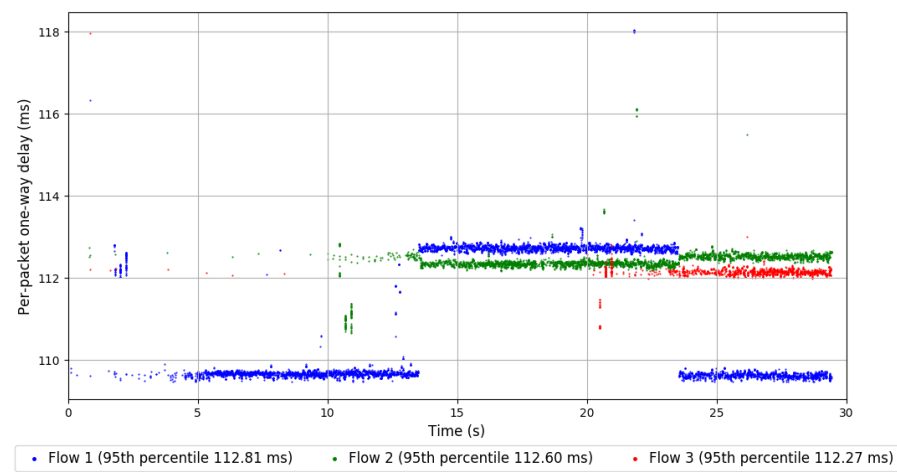
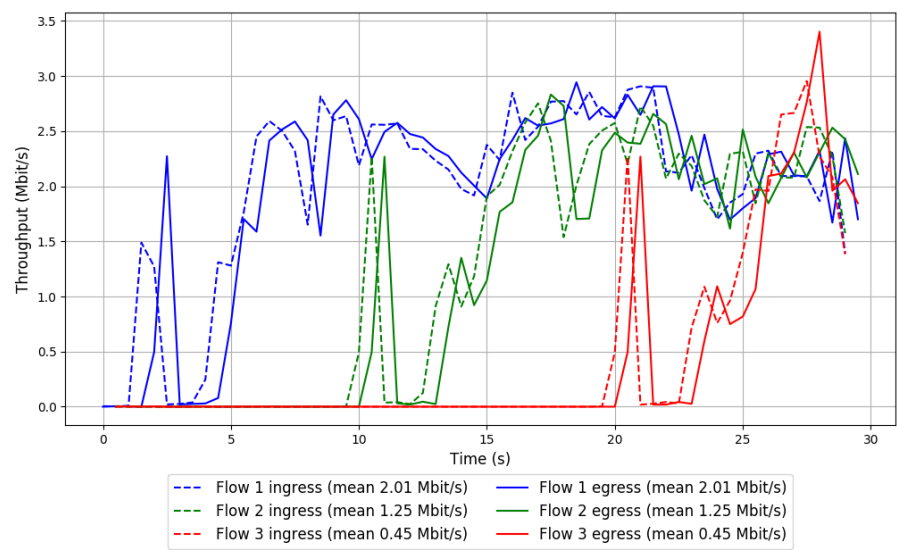


Run 1: Statistics of WebRTC media

Start at: 2018-05-30 12:36:26
End at: 2018-05-30 12:36:56
Local clock offset: -0.173 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-05-30 18:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 112.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 112.805 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 112.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 112.266 ms
Loss rate: 0.01%

Run 1: Report of WebRTC media — Data Link

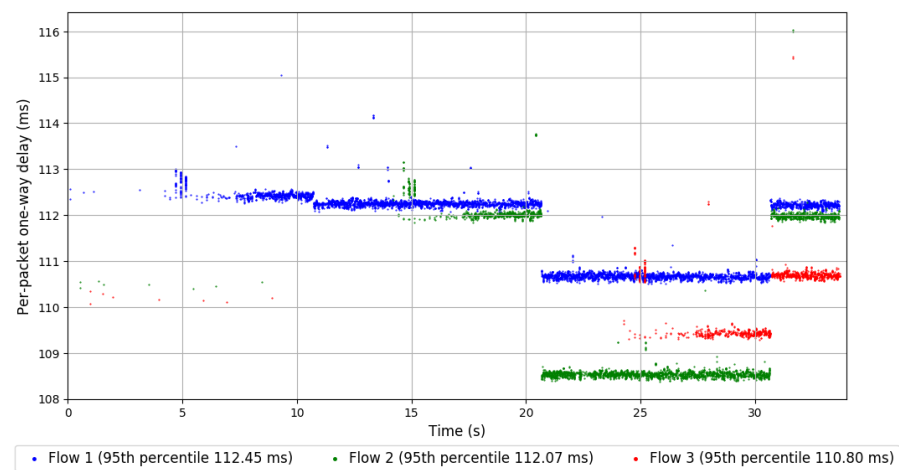
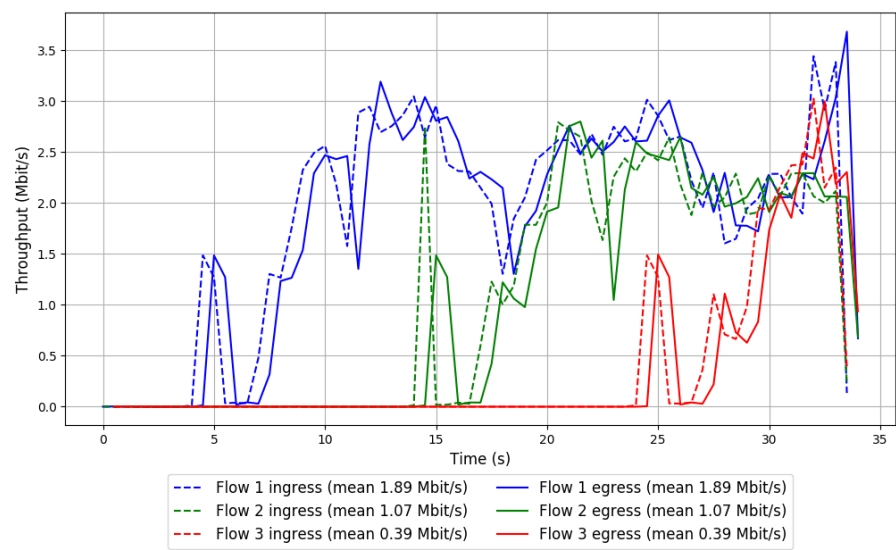


Run 2: Statistics of WebRTC media

Start at: 2018-05-30 13:00:13
End at: 2018-05-30 13:00:43
Local clock offset: -0.12 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-05-30 18:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 112.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 112.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 112.073 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 110.800 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

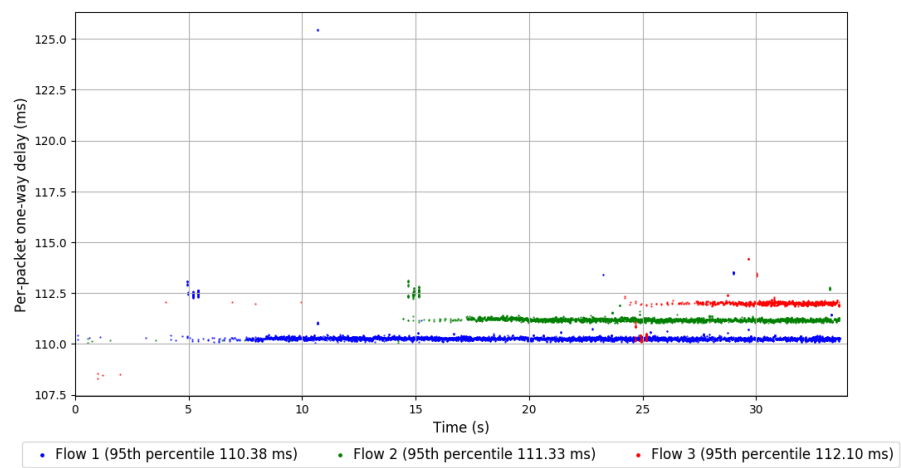
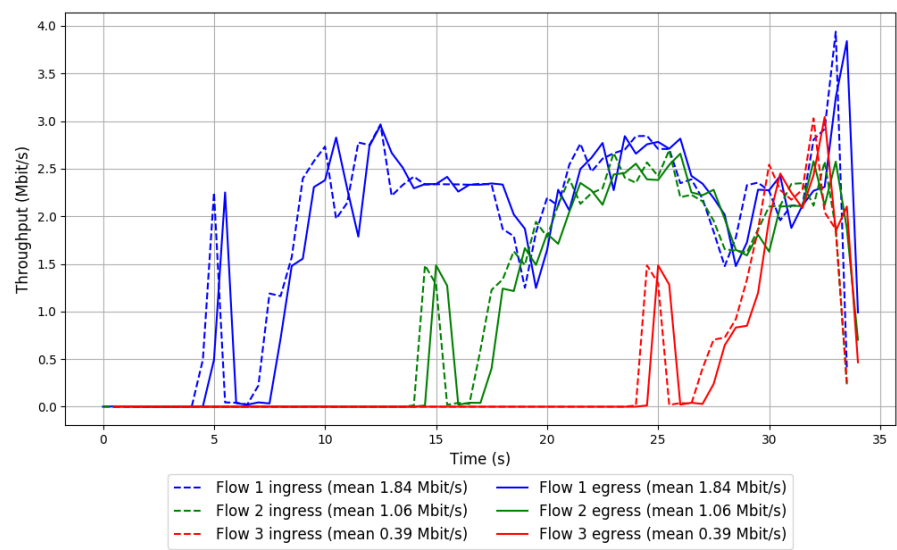


Run 3: Statistics of WebRTC media

Start at: 2018-05-30 13:23:41
End at: 2018-05-30 13:24:11
Local clock offset: -0.053 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-05-30 18:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 112.037 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 110.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 111.327 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 112.097 ms
Loss rate: 0.08%

Run 3: Report of WebRTC media — Data Link

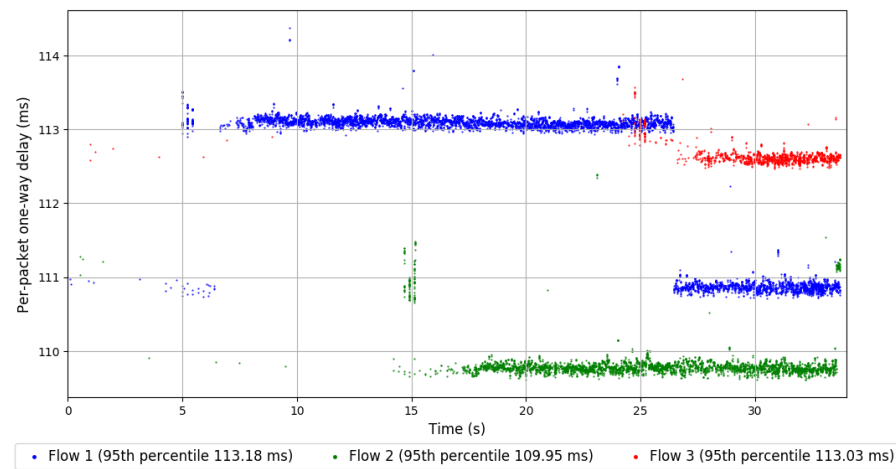
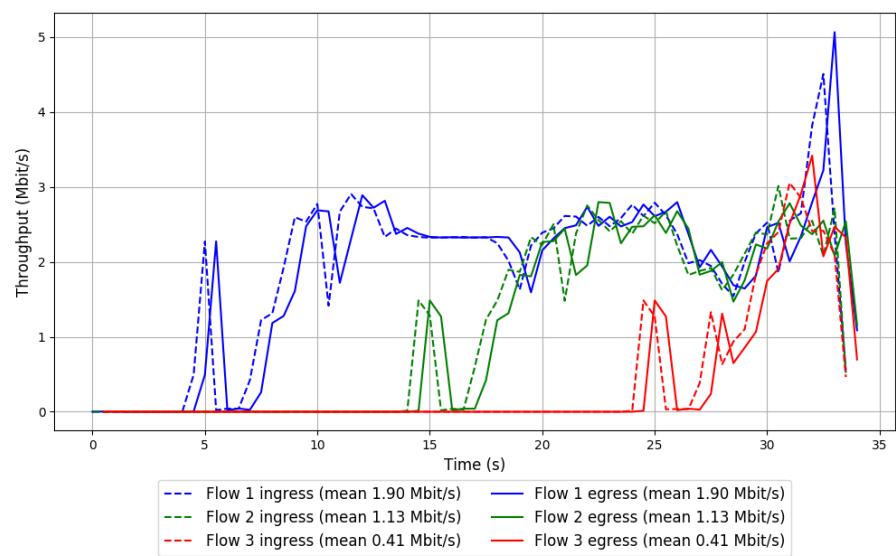


Run 4: Statistics of WebRTC media

Start at: 2018-05-30 13:47:17
End at: 2018-05-30 13:47:47
Local clock offset: -0.282 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-30 18:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 113.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 113.183 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 109.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 113.026 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-30 14:10:44

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

Local clock offset: -0.211 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2018-05-30 18:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 113.220 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 111.664 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 112.227 ms

Loss rate: 0.00%

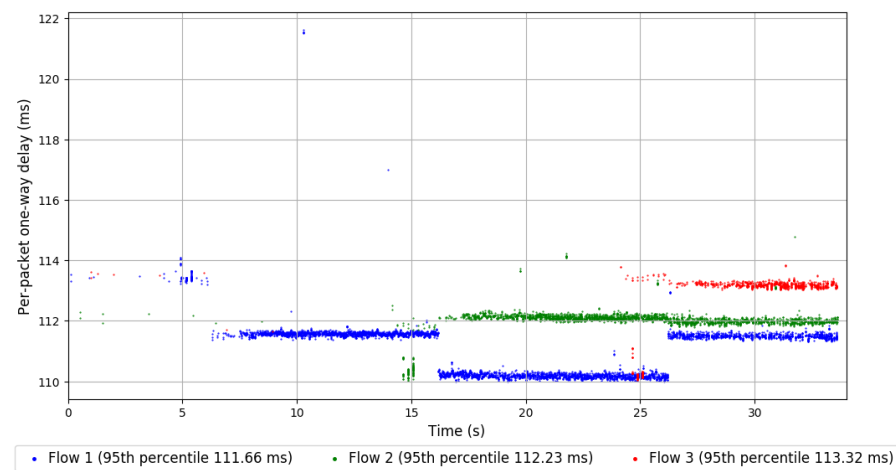
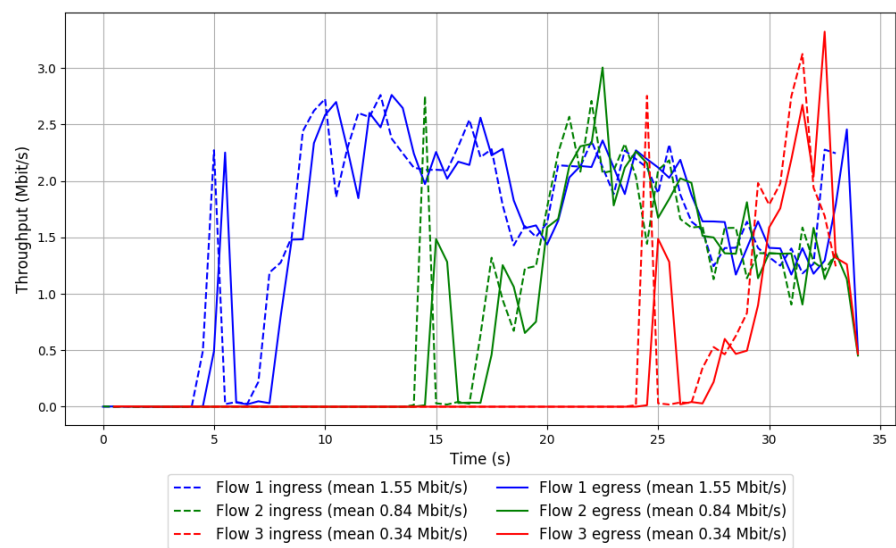
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 113.324 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-30 14:34:16

End at: 2018-05-30 14:34:46

Local clock offset: -0.136 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-05-30 18:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 112.585 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 111.360 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 112.631 ms

Loss rate: 0.00%

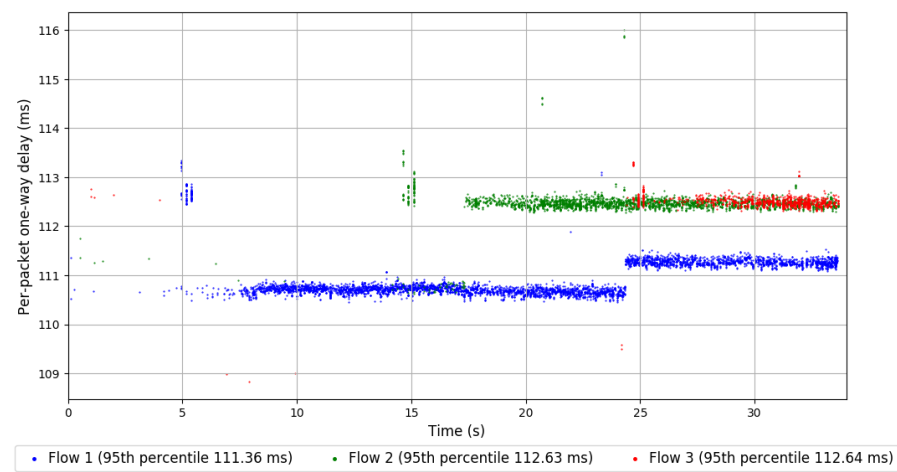
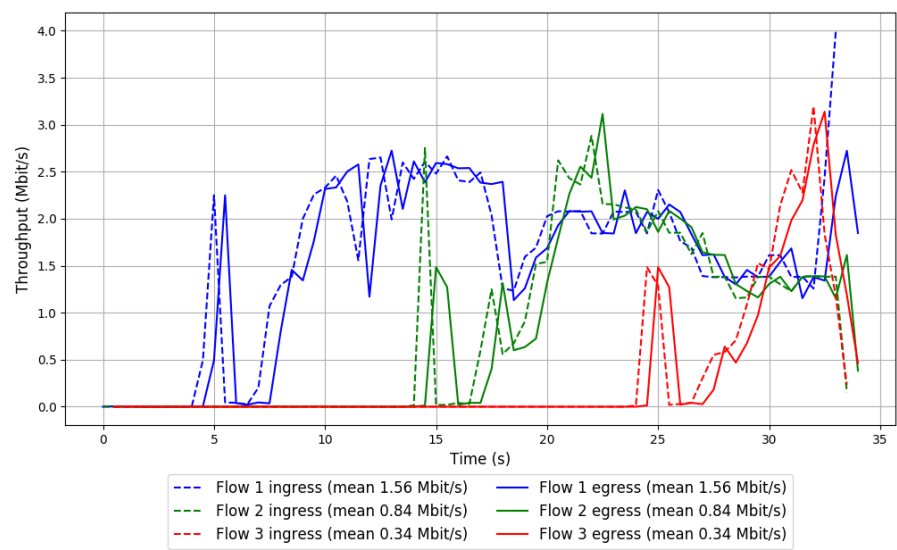
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 112.645 ms

Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-30 14:57:58

End at: 2018-05-30 14:58:28

Local clock offset: -0.364 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-05-30 18:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 113.181 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 111.531 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 112.619 ms

Loss rate: 0.00%

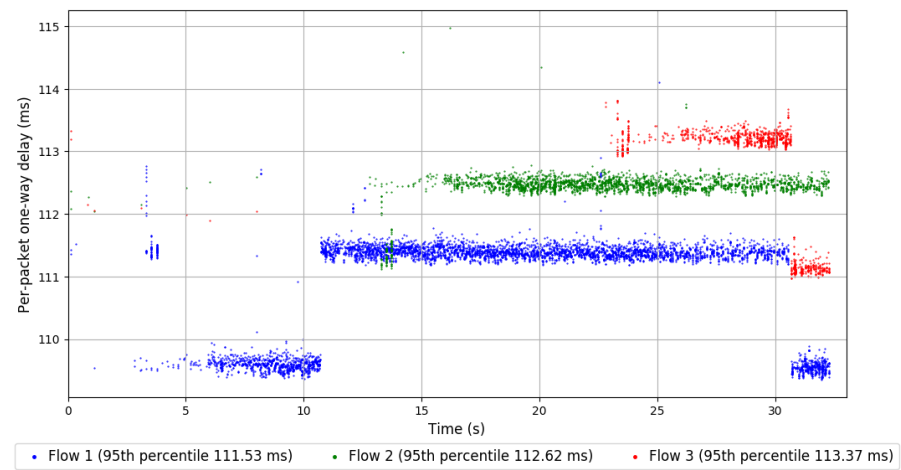
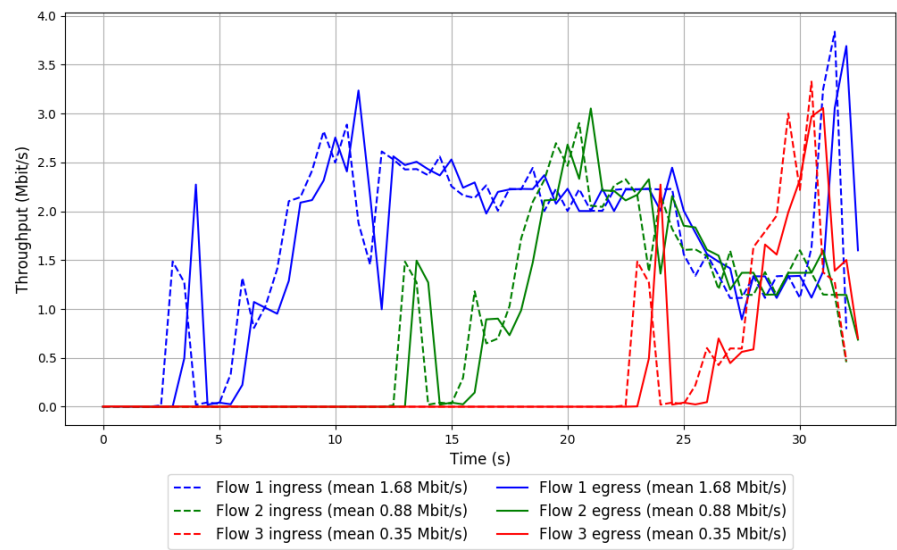
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 113.372 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

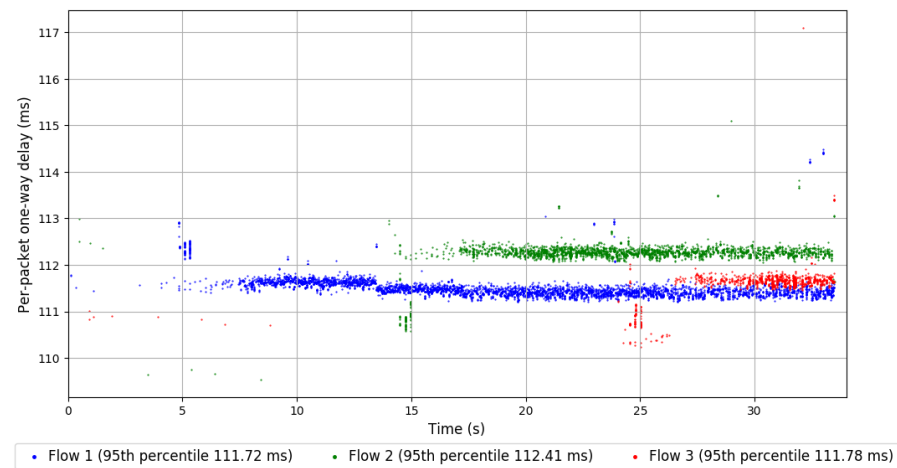
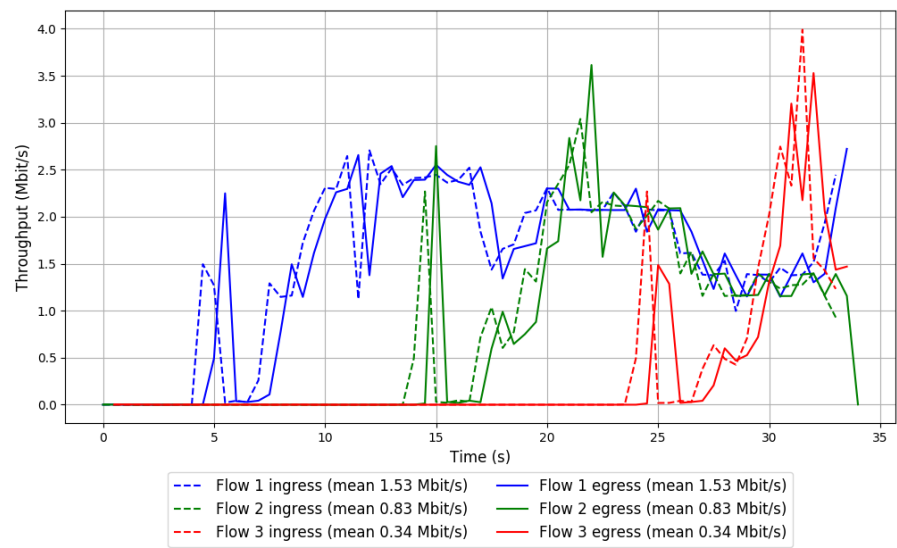


Run 8: Statistics of WebRTC media

Start at: 2018-05-30 15:21:37
End at: 2018-05-30 15:22:07
Local clock offset: -0.013 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-05-30 18:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 112.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 111.722 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 112.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 111.782 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

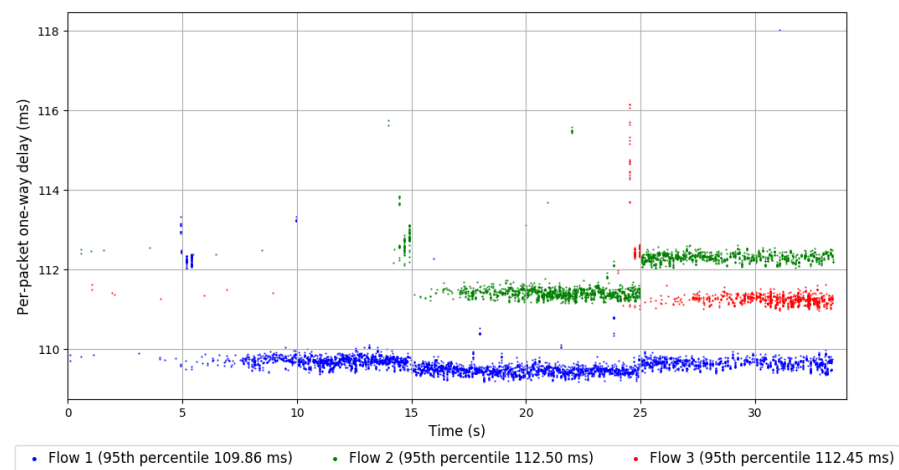
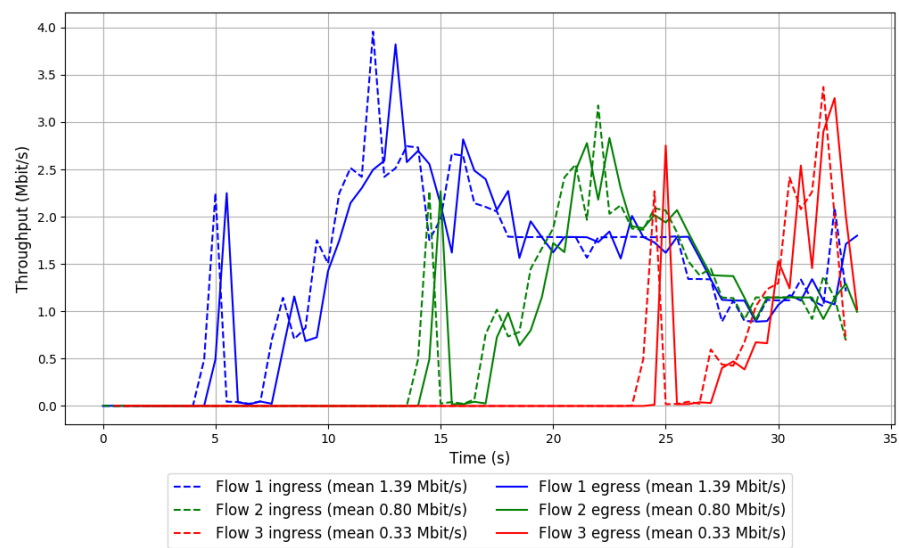


Run 9: Statistics of WebRTC media

Start at: 2018-05-30 15:44:48
End at: 2018-05-30 15:45:18
Local clock offset: 0.033 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-05-30 18:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 112.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 109.862 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 112.503 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 112.446 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-30 16:08:42

End at: 2018-05-30 16:09:12

Local clock offset: -0.311 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-05-30 18:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 113.749 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 113.001 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 113.792 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 113.851 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

