

Pantheon Report

Generated at 2018-05-31 17:10:18 (UTC).

Data path: GCE Sydney 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.

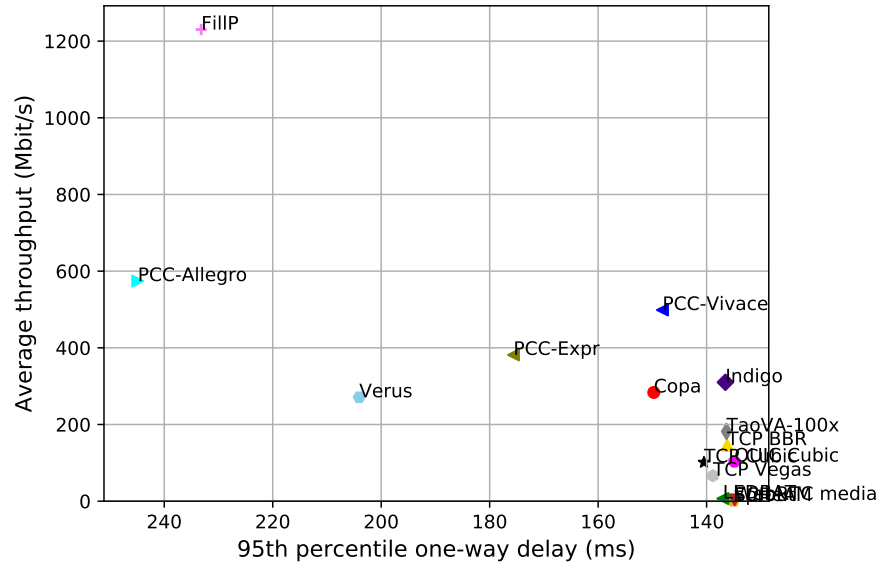
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

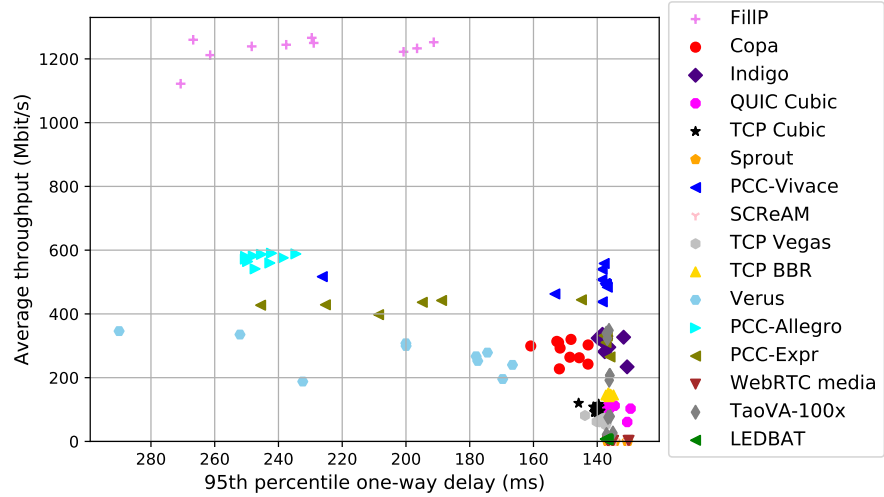
Git summary:

```
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



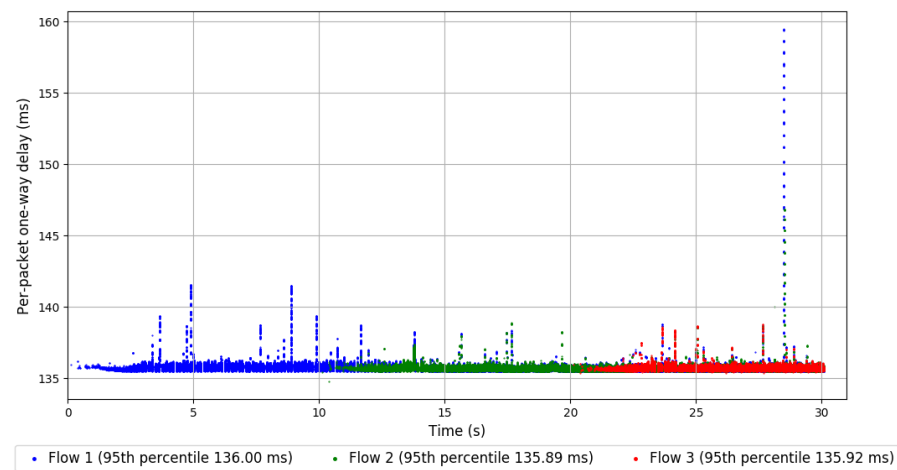
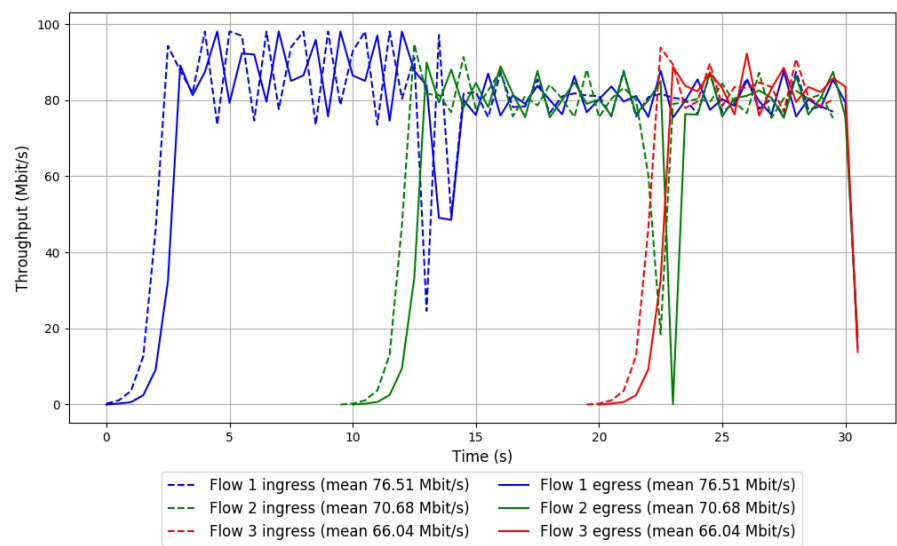
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	76.01	72.00	67.00	136.19	136.19	136.25	0.00	0.00	0.00
Copa	10	164.32	137.64	85.72	147.73	149.26	151.86	0.00	0.00	9.10
TCP Cubic	10	53.46	52.43	38.97	140.46	140.69	139.67	0.01	0.01	0.07
FillP	10	670.61	597.63	487.60	241.79	198.80	162.58	1.53	0.36	0.10
Indigo	10	161.31	162.29	128.91	135.76	136.72	140.40	0.00	0.00	0.01
LEDBAT	10	4.67	2.75	0.98	137.07	136.91	136.71	0.00	0.00	0.00
PCC-Allegro	10	487.01	107.27	47.91	244.79	245.34	238.88	2.00	1.91	2.05
PCC-Expr	10	251.60	164.52	62.02	179.41	157.58	149.61	0.36	0.27	0.10
QUIC Cubic	10	53.25	56.19	39.79	134.79	134.22	134.58	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	134.78	134.88	134.51	0.00	0.00	0.00
Sprout	10	0.16	0.18	0.21	134.88	134.98	134.84	0.00	0.00	0.00
TaoVA-100x	10	85.16	93.65	103.75	136.21	136.28	136.55	0.00	0.01	0.00
TCP Vegas	10	34.39	31.68	32.57	138.01	139.17	139.55	0.00	0.01	0.00
Verus	10	151.18	154.86	59.27	185.85	203.44	183.35	0.74	1.52	0.48
PCC-Vivace	10	315.01	202.43	149.71	147.78	136.37	155.13	0.03	0.03	0.14
WebRTC media	10	1.83	1.09	0.37	134.62	134.46	134.65	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-31 10:53:17
End at: 2018-05-31 10:53:47
Local clock offset: -0.426 ms
Remote clock offset: -0.691 ms

Below is generated by plot.py at 2018-05-31 15:18:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.56 Mbit/s
95th percentile per-packet one-way delay: 135.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 135.999 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 135.892 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.04 Mbit/s
95th percentile per-packet one-way delay: 135.918 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

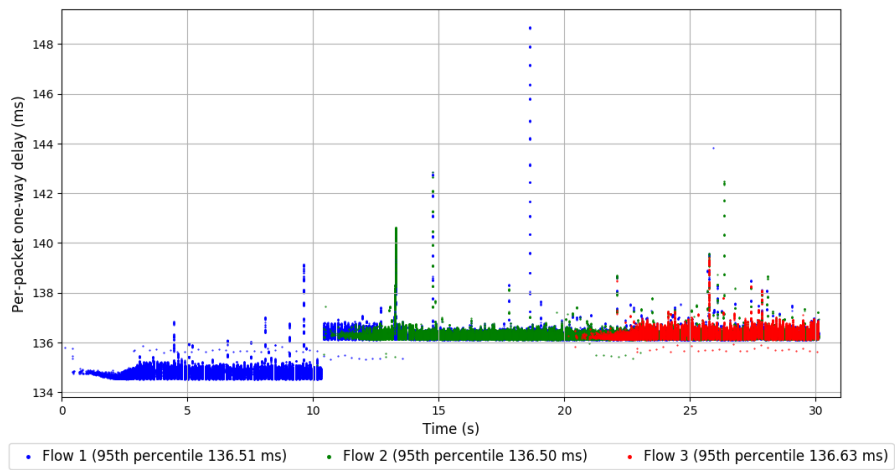
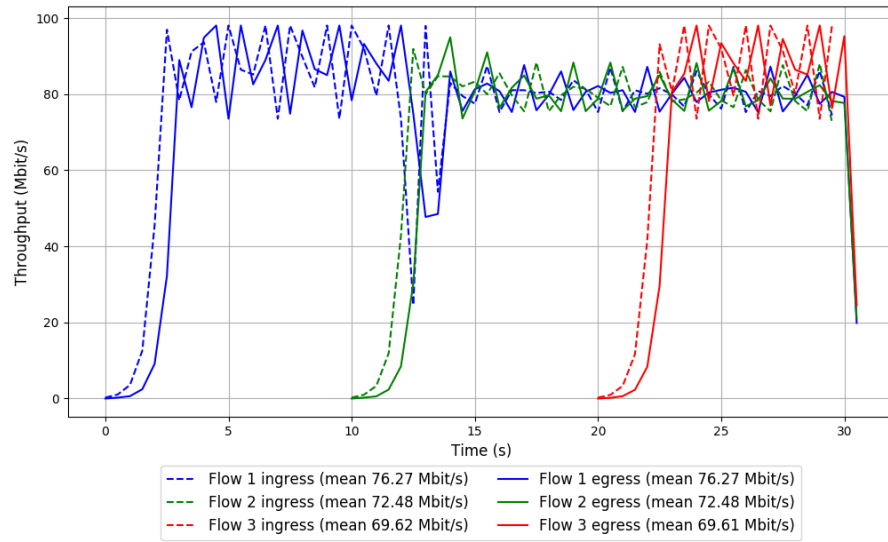


Run 2: Statistics of TCP BBR

Start at: 2018-05-31 11:18:09
End at: 2018-05-31 11:18:39
Local clock offset: -0.344 ms
Remote clock offset: -0.677 ms

Below is generated by plot.py at 2018-05-31 15:18:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 147.61 Mbit/s
95th percentile per-packet one-way delay: 136.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.27 Mbit/s
95th percentile per-packet one-way delay: 136.506 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 136.499 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 136.626 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

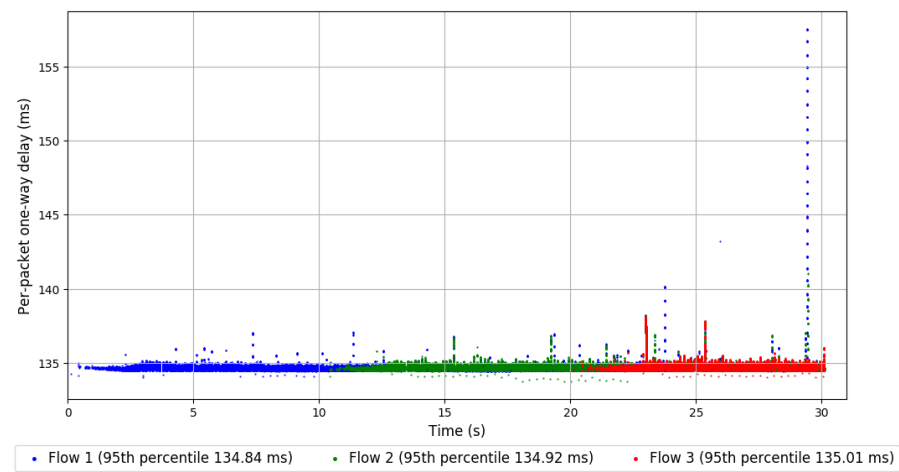
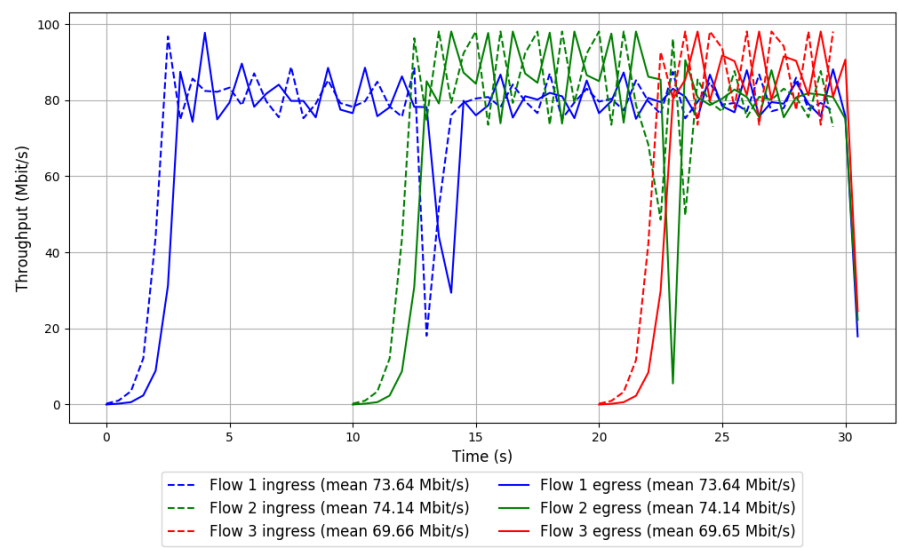


Run 3: Statistics of TCP BBR

Start at: 2018-05-31 11:42:42
End at: 2018-05-31 11:43:12
Local clock offset: 1.542 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-05-31 15:18:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.03 Mbit/s
95th percentile per-packet one-way delay: 134.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 134.844 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 134.923 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 135.009 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-31 12:07:41

End at: 2018-05-31 12:08:11

Local clock offset: -0.376 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-05-31 15:18:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 145.58 Mbit/s

95th percentile per-packet one-way delay: 137.276 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.27 Mbit/s

95th percentile per-packet one-way delay: 137.307 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 137.219 ms

Loss rate: 0.00%

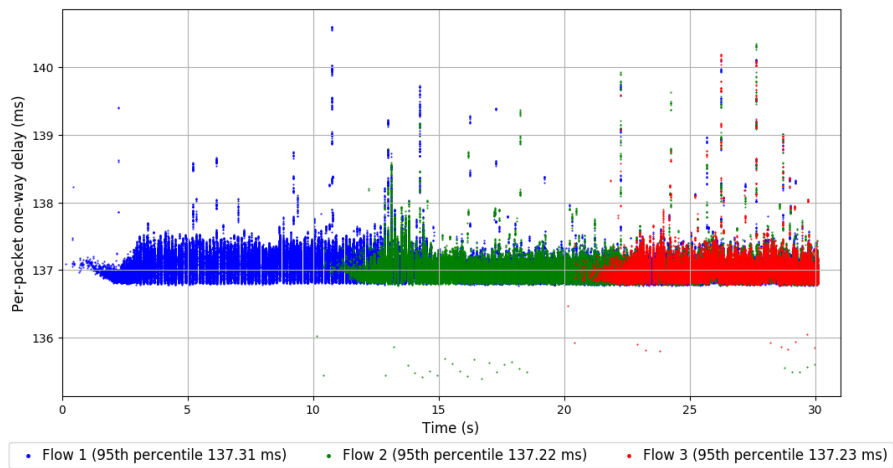
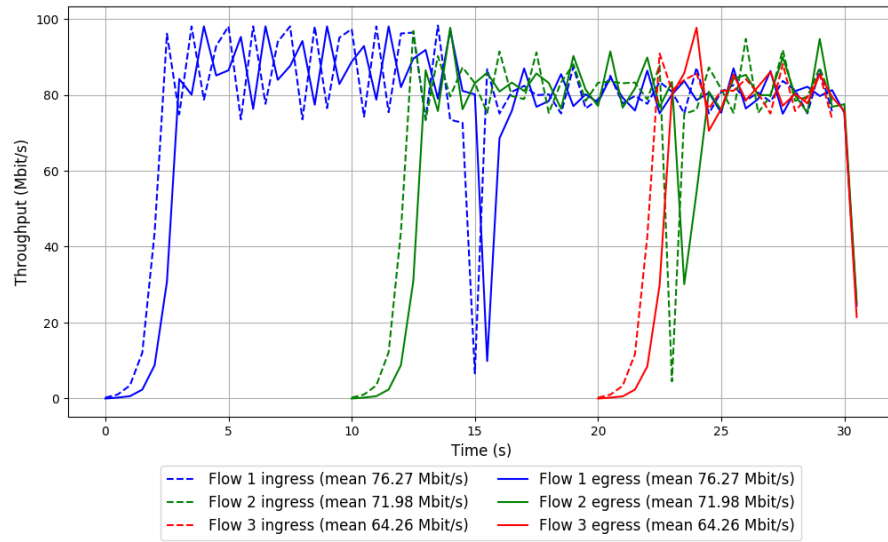
-- Flow 3:

Average throughput: 64.26 Mbit/s

95th percentile per-packet one-way delay: 137.226 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-31 12:32:39

End at: 2018-05-31 12:33:09

Local clock offset: 0.029 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-05-31 15:18:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.82 Mbit/s

95th percentile per-packet one-way delay: 136.372 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 76.14 Mbit/s

95th percentile per-packet one-way delay: 136.347 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.38 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 0.01%

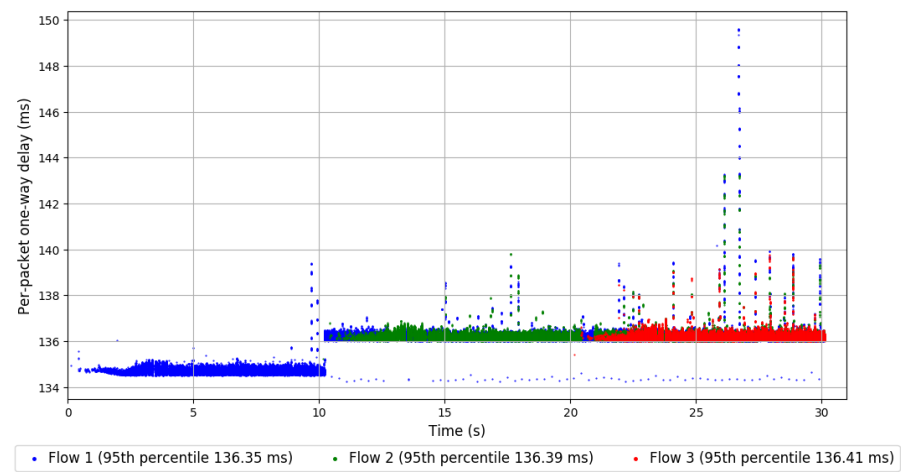
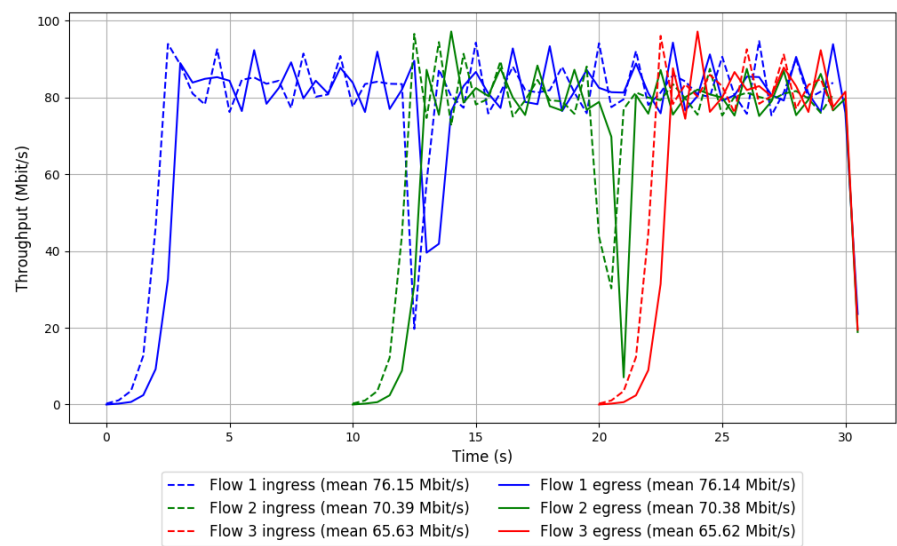
-- Flow 3:

Average throughput: 65.62 Mbit/s

95th percentile per-packet one-way delay: 136.412 ms

Loss rate: 0.02%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-31 12:57:38

End at: 2018-05-31 12:58:08

Local clock offset: -0.065 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-05-31 15:18:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.01 Mbit/s

95th percentile per-packet one-way delay: 135.793 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 79.51 Mbit/s

95th percentile per-packet one-way delay: 135.836 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 135.660 ms

Loss rate: 0.00%

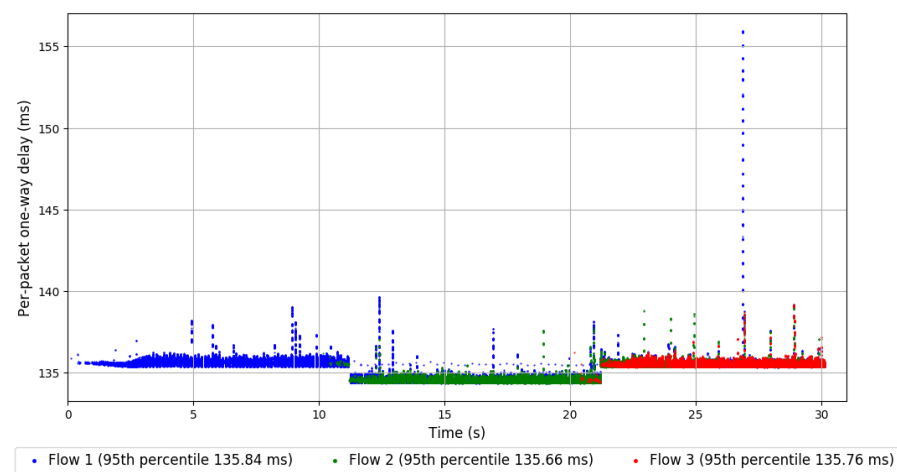
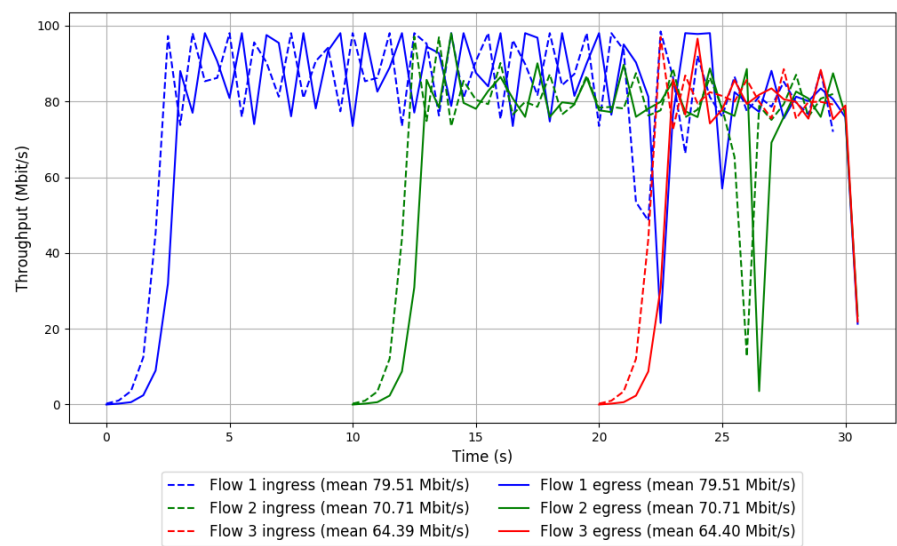
-- Flow 3:

Average throughput: 64.40 Mbit/s

95th percentile per-packet one-way delay: 135.760 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-31 13:22:56

End at: 2018-05-31 13:23:26

Local clock offset: -0.029 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2018-05-31 15:18:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.52 Mbit/s

95th percentile per-packet one-way delay: 136.493 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 136.450 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 75.77 Mbit/s

95th percentile per-packet one-way delay: 136.541 ms

Loss rate: 0.00%

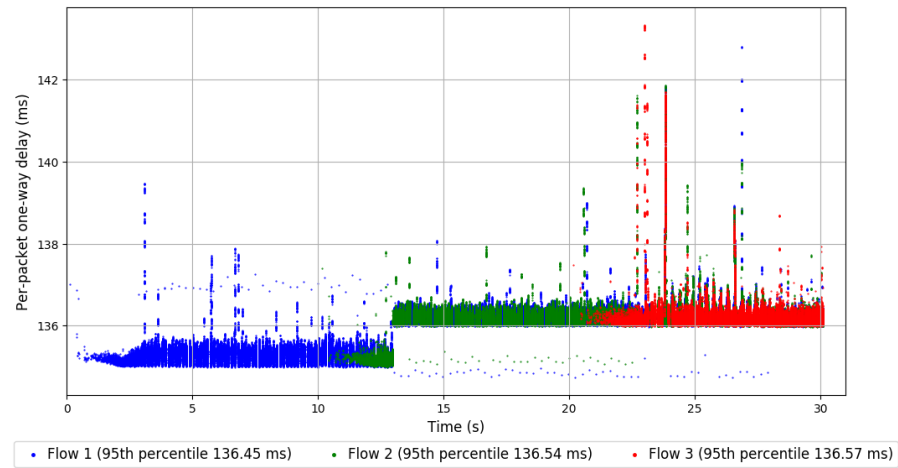
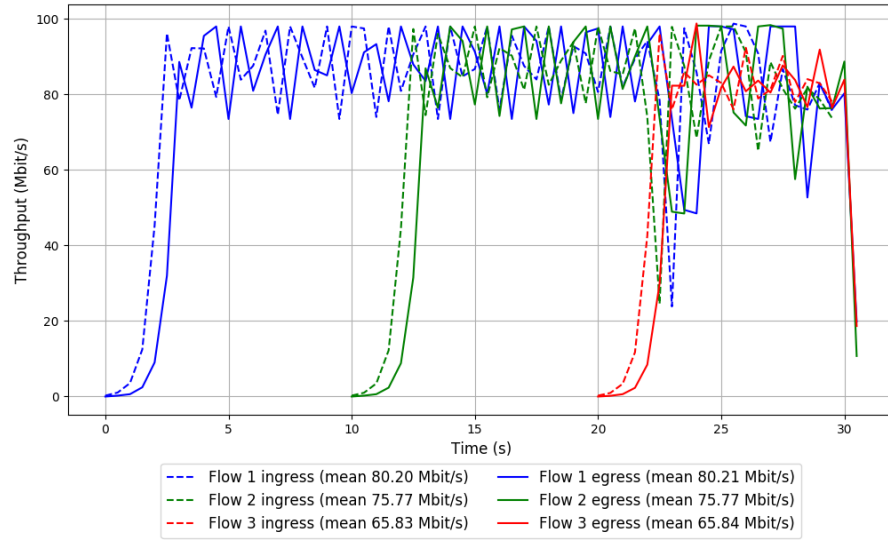
-- Flow 3:

Average throughput: 65.84 Mbit/s

95th percentile per-packet one-way delay: 136.567 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

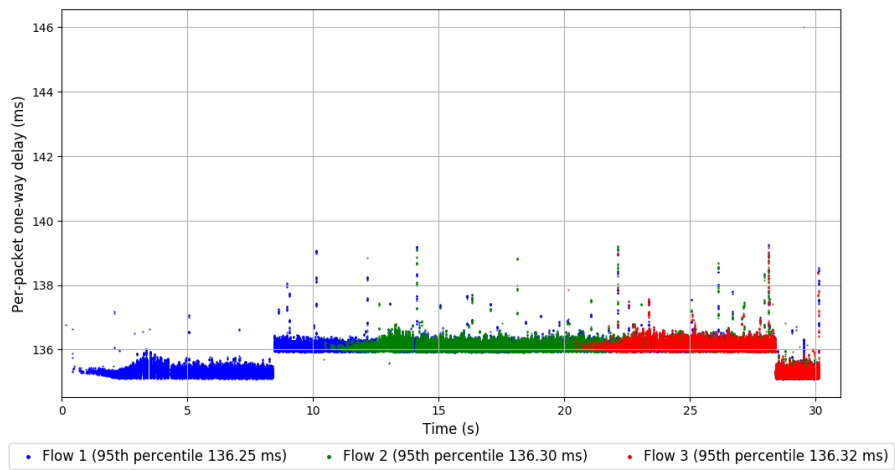
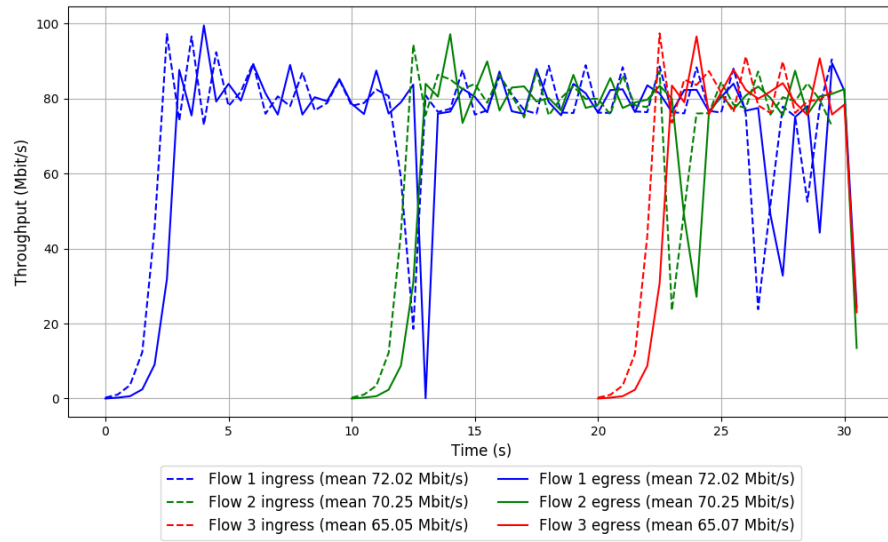


Run 8: Statistics of TCP BBR

Start at: 2018-05-31 13:48:21
End at: 2018-05-31 13:48:51
Local clock offset: -0.393 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-31 15:18:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.46 Mbit/s
95th percentile per-packet one-way delay: 136.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.02 Mbit/s
95th percentile per-packet one-way delay: 136.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: 136.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.07 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-31 14:13:23

End at: 2018-05-31 14:13:53

Local clock offset: -0.239 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-31 15:20:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.65 Mbit/s

95th percentile per-packet one-way delay: 136.152 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.17 Mbit/s

95th percentile per-packet one-way delay: 136.111 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.73 Mbit/s

95th percentile per-packet one-way delay: 136.128 ms

Loss rate: 0.00%

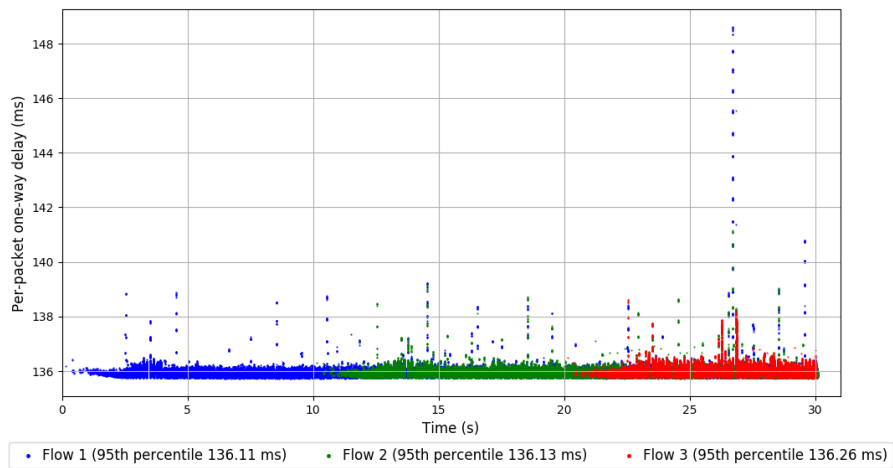
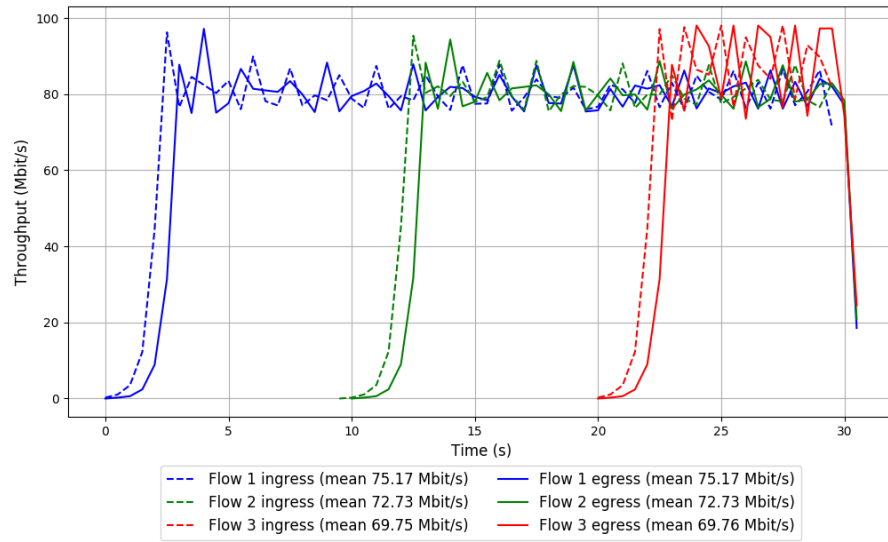
-- Flow 3:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 136.264 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

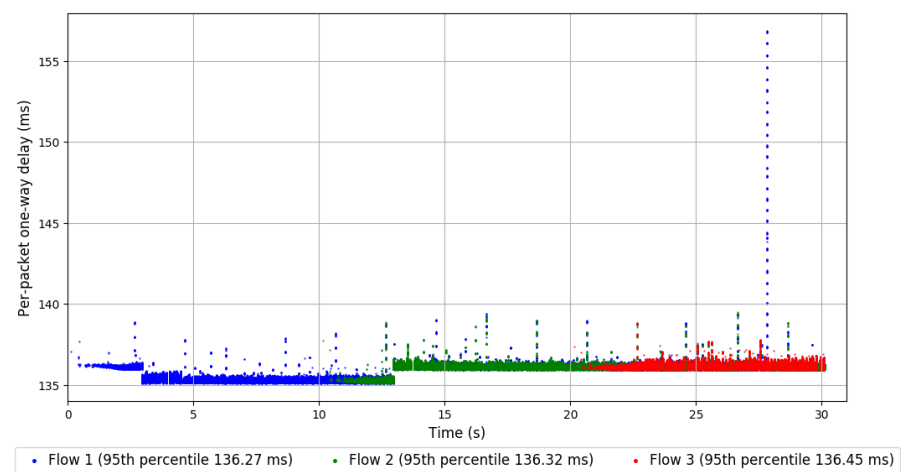
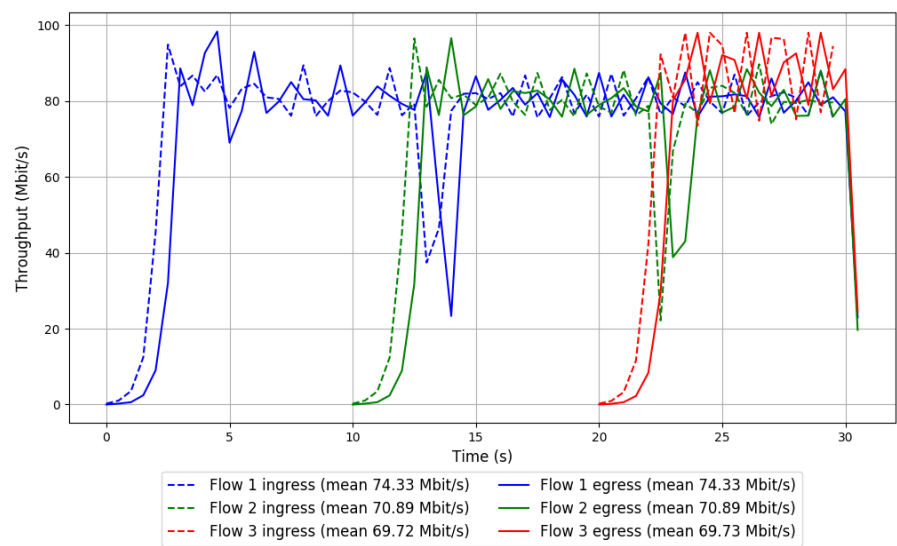


Run 10: Statistics of TCP BBR

Start at: 2018-05-31 14:38:46
End at: 2018-05-31 14:39:16
Local clock offset: -0.278 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-31 15:20:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.62 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 136.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.89 Mbit/s
95th percentile per-packet one-way delay: 136.319 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 136.447 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

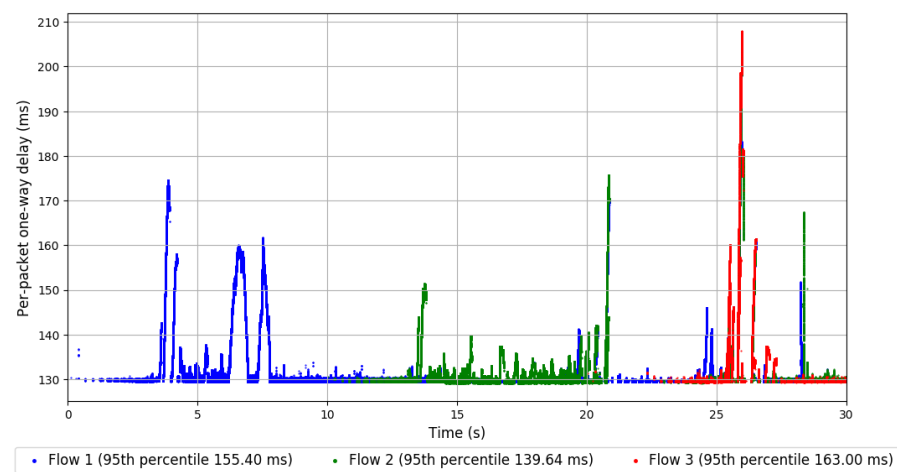
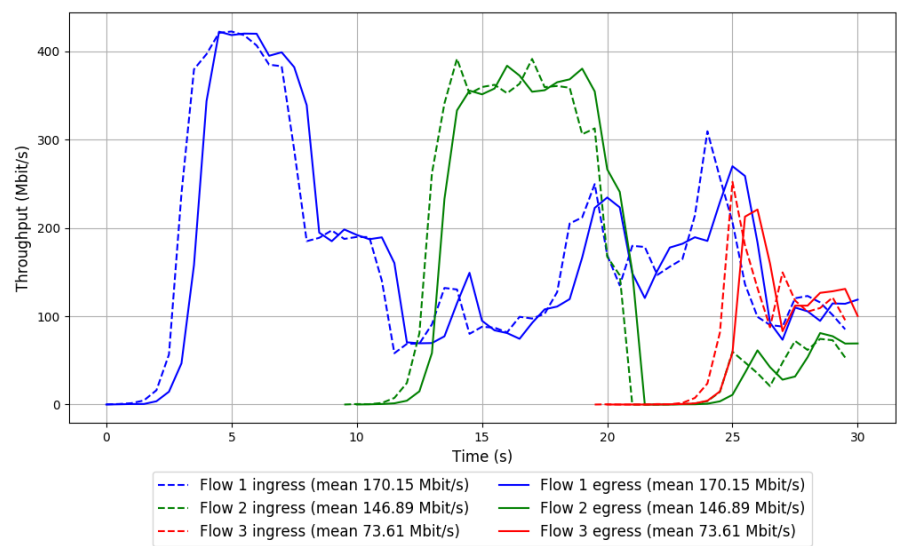


Run 1: Statistics of Copa

Start at: 2018-05-31 10:57:45
End at: 2018-05-31 10:58:15
Local clock offset: 5.734 ms
Remote clock offset: -0.658 ms

Below is generated by plot.py at 2018-05-31 15:26:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.83 Mbit/s
95th percentile per-packet one-way delay: 151.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.15 Mbit/s
95th percentile per-packet one-way delay: 155.398 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.89 Mbit/s
95th percentile per-packet one-way delay: 139.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.61 Mbit/s
95th percentile per-packet one-way delay: 162.997 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

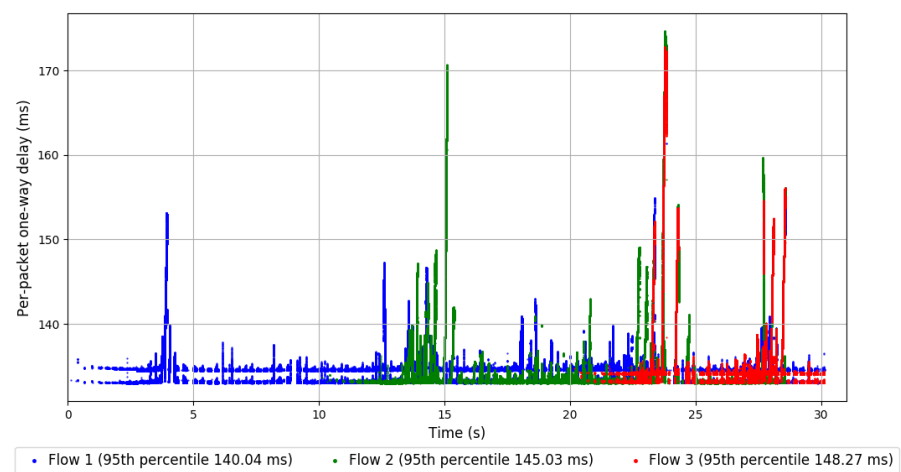
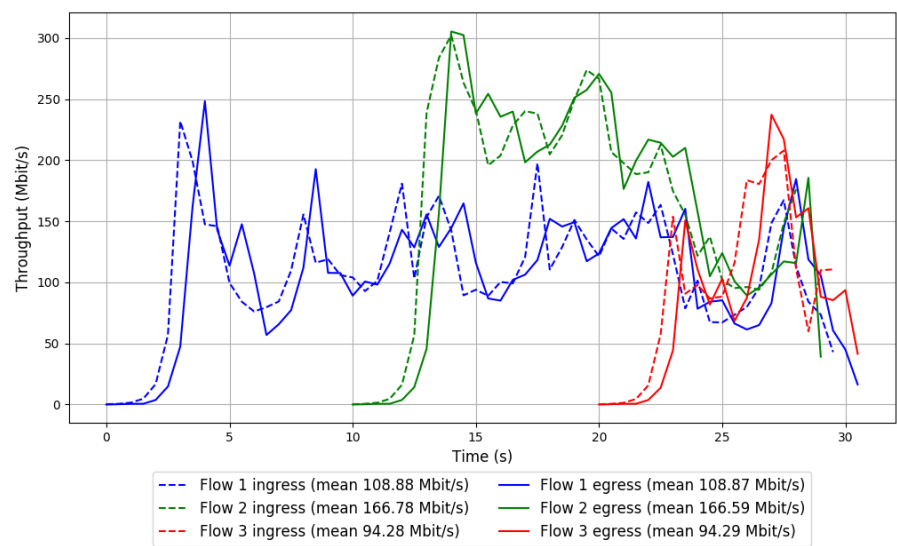


Run 2: Statistics of Copa

Start at: 2018-05-31 11:22:37
End at: 2018-05-31 11:23:07
Local clock offset: 1.52 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-05-31 15:26:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.50 Mbit/s
95th percentile per-packet one-way delay: 142.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.87 Mbit/s
95th percentile per-packet one-way delay: 140.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.59 Mbit/s
95th percentile per-packet one-way delay: 145.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 148.267 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

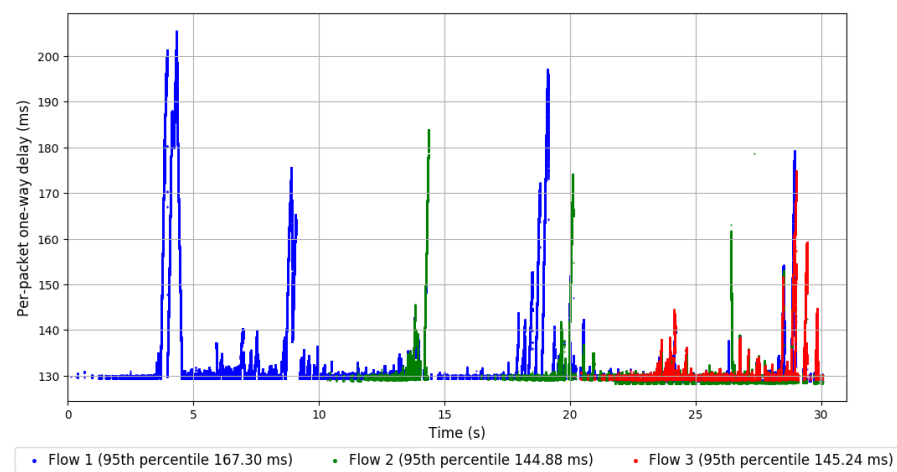
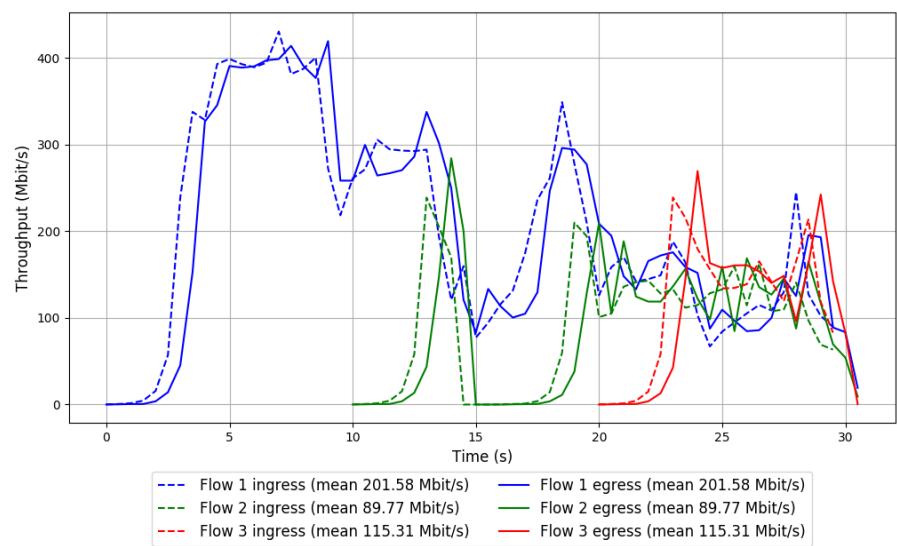


Run 3: Statistics of Copa

Start at: 2018-05-31 11:47:08
End at: 2018-05-31 11:47:38
Local clock offset: 5.777 ms
Remote clock offset: -0.756 ms

Below is generated by plot.py at 2018-05-31 15:27:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.44 Mbit/s
95th percentile per-packet one-way delay: 160.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.58 Mbit/s
95th percentile per-packet one-way delay: 167.300 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 144.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.31 Mbit/s
95th percentile per-packet one-way delay: 145.241 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

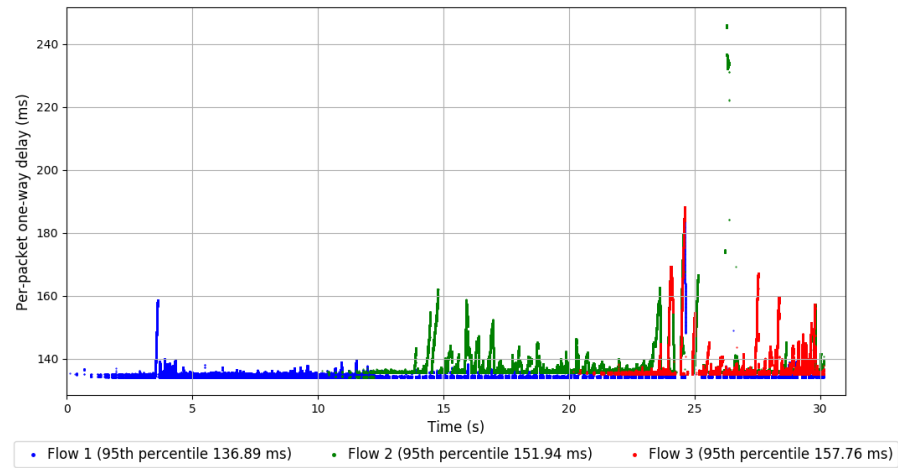
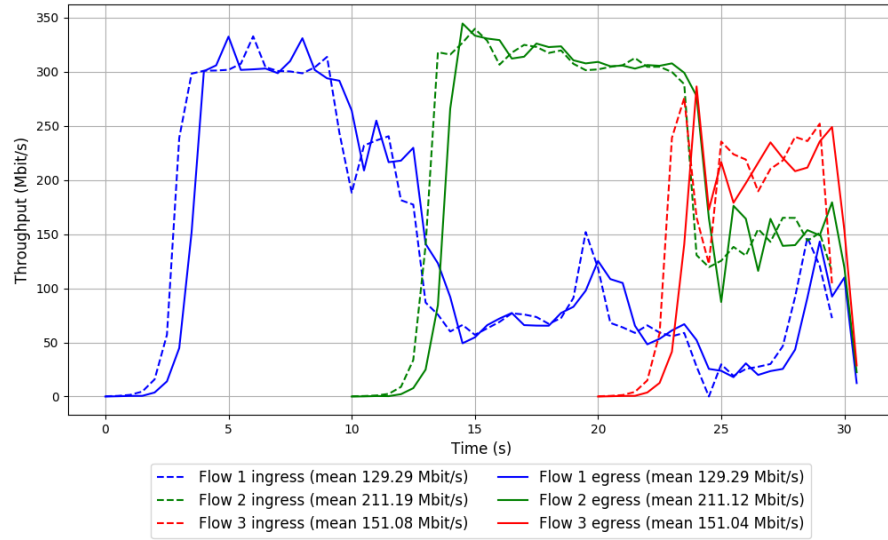


Run 4: Statistics of Copa

Start at: 2018-05-31 12:12:07
End at: 2018-05-31 12:12:37
Local clock offset: 0.164 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-05-31 15:28:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.07 Mbit/s
95th percentile per-packet one-way delay: 148.229 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 129.29 Mbit/s
95th percentile per-packet one-way delay: 136.886 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 211.12 Mbit/s
95th percentile per-packet one-way delay: 151.943 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 151.04 Mbit/s
95th percentile per-packet one-way delay: 157.764 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-31 12:37:05

End at: 2018-05-31 12:37:35

Local clock offset: 0.095 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-05-31 15:28:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.64 Mbit/s

95th percentile per-packet one-way delay: 151.872 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 131.53 Mbit/s

95th percentile per-packet one-way delay: 148.116 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 101.11 Mbit/s

95th percentile per-packet one-way delay: 159.169 ms

Loss rate: 0.00%

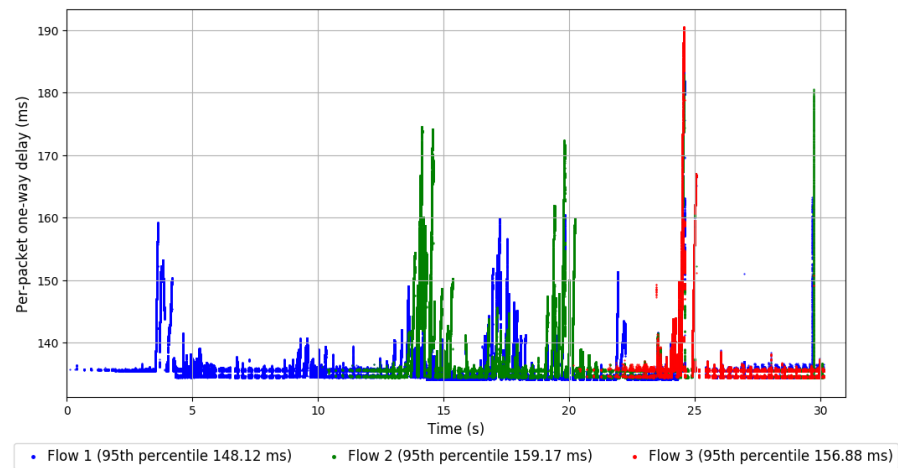
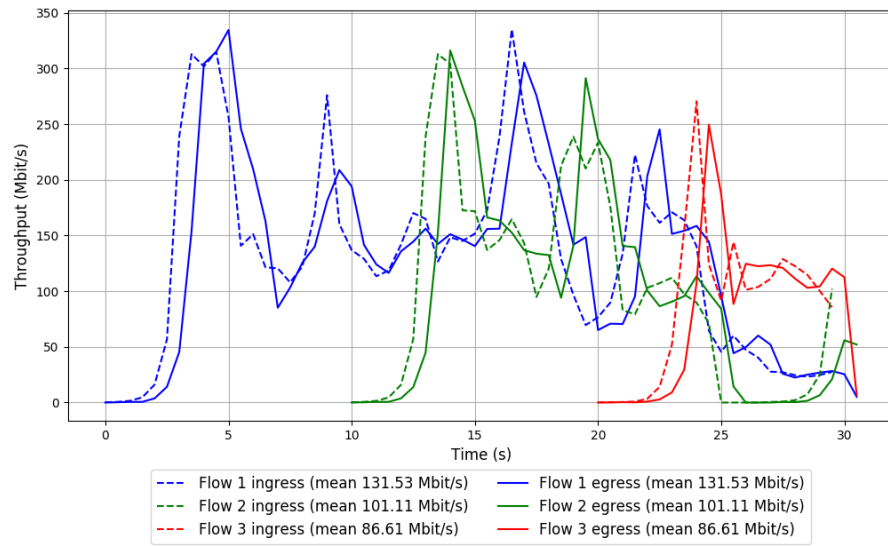
-- Flow 3:

Average throughput: 86.61 Mbit/s

95th percentile per-packet one-way delay: 156.884 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-31 13:02:05

End at: 2018-05-31 13:02:35

Local clock offset: 0.048 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-05-31 15:28:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.09 Mbit/s

95th percentile per-packet one-way delay: 148.585 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 194.95 Mbit/s

95th percentile per-packet one-way delay: 147.172 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 150.990 ms

Loss rate: 0.00%

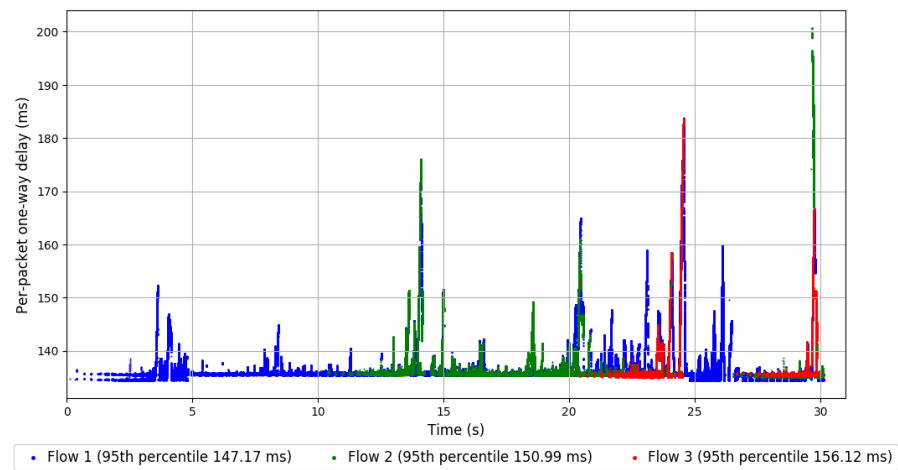
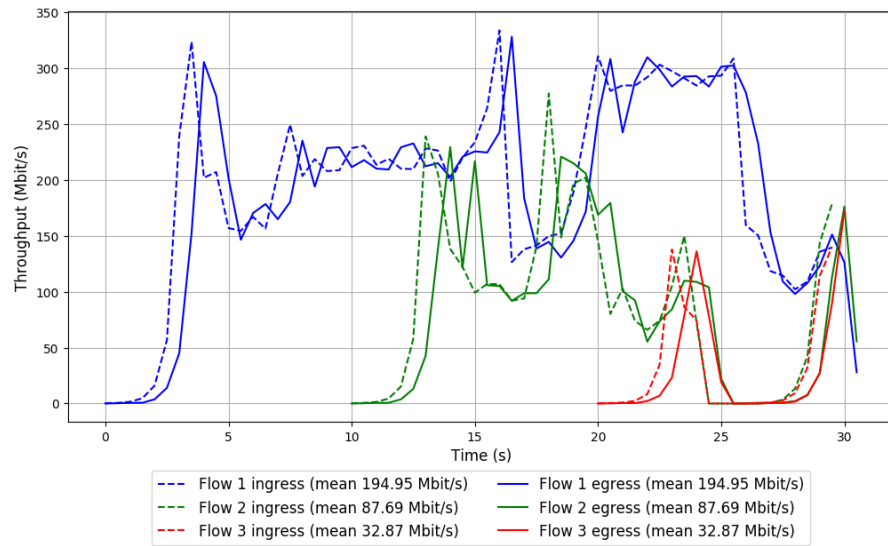
-- Flow 3:

Average throughput: 32.87 Mbit/s

95th percentile per-packet one-way delay: 156.117 ms

Loss rate: 0.02%

Run 6: Report of Copa — Data Link

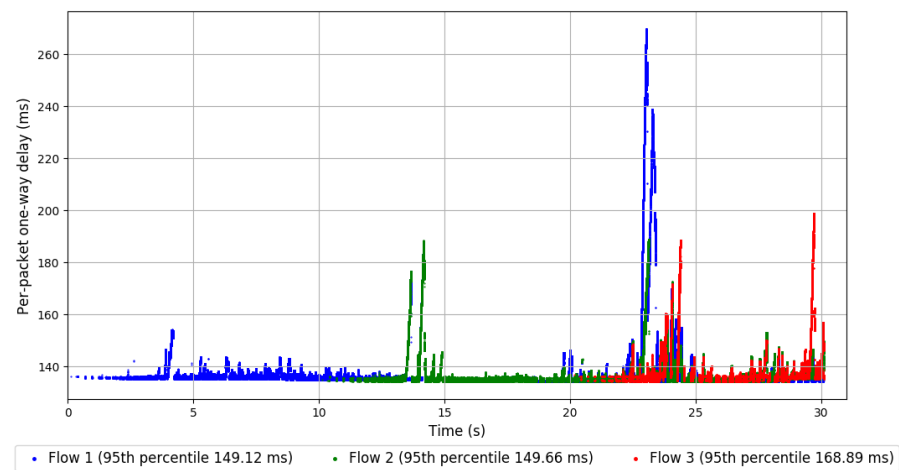
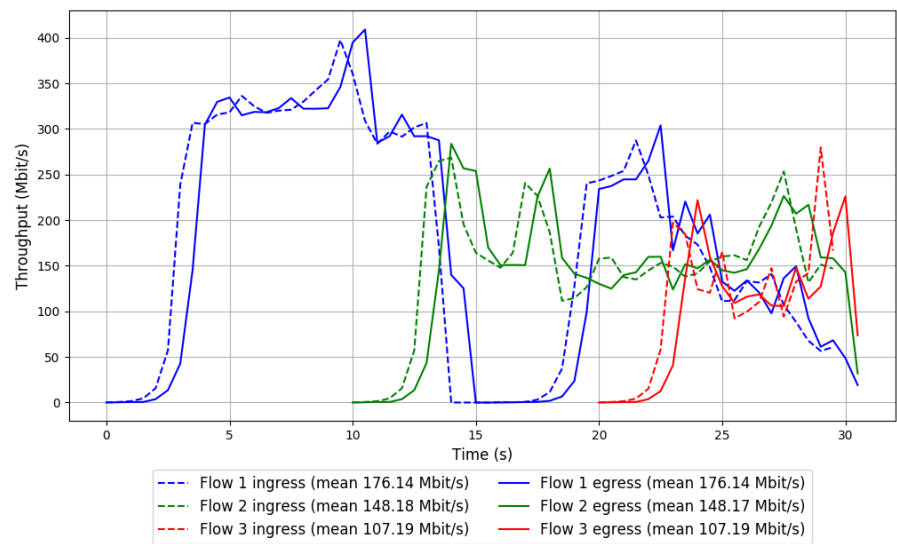


Run 7: Statistics of Copa

Start at: 2018-05-31 13:27:21
End at: 2018-05-31 13:27:51
Local clock offset: 0.147 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-31 15:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.43 Mbit/s
95th percentile per-packet one-way delay: 152.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.14 Mbit/s
95th percentile per-packet one-way delay: 149.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 148.17 Mbit/s
95th percentile per-packet one-way delay: 149.655 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 107.19 Mbit/s
95th percentile per-packet one-way delay: 168.889 ms
Loss rate: 0.02%

Run 7: Report of Copa — Data Link

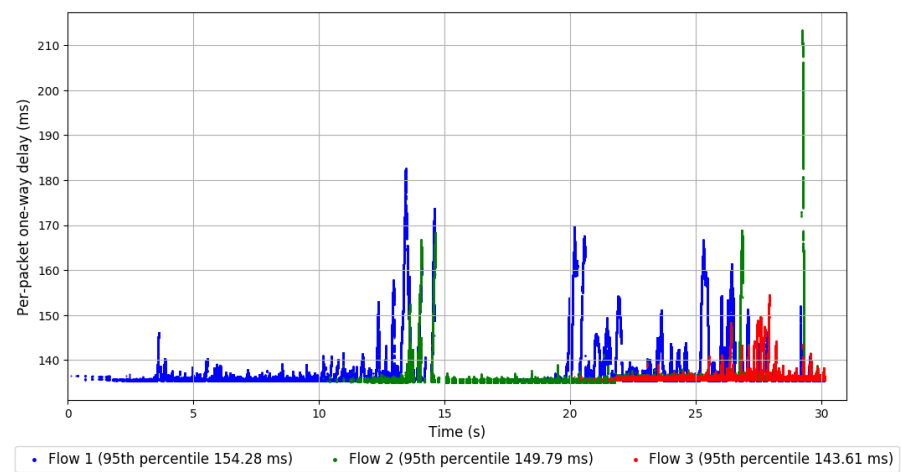
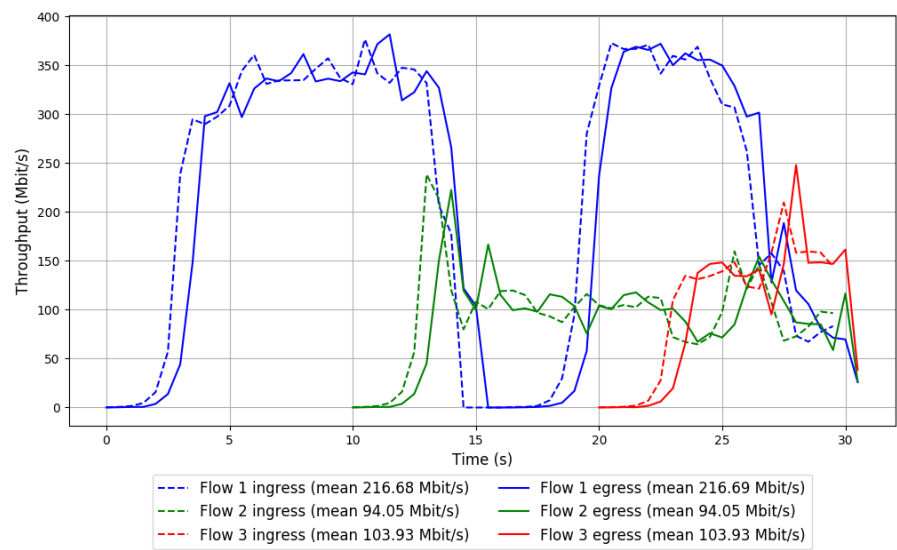


Run 8: Statistics of Copa

Start at: 2018-05-31 13:52:48
End at: 2018-05-31 13:53:18
Local clock offset: -0.401 ms
Remote clock offset: -0.389 ms

Below is generated by plot.py at 2018-05-31 15:30:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.82 Mbit/s
95th percentile per-packet one-way delay: 152.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.69 Mbit/s
95th percentile per-packet one-way delay: 154.277 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 149.790 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.93 Mbit/s
95th percentile per-packet one-way delay: 143.614 ms
Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-31 14:17:50

End at: 2018-05-31 14:18:20

Local clock offset: 0.042 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-05-31 15:33:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.52 Mbit/s

95th percentile per-packet one-way delay: 145.647 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 146.26 Mbit/s

95th percentile per-packet one-way delay: 139.737 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 128.45 Mbit/s

95th percentile per-packet one-way delay: 152.112 ms

Loss rate: 0.00%

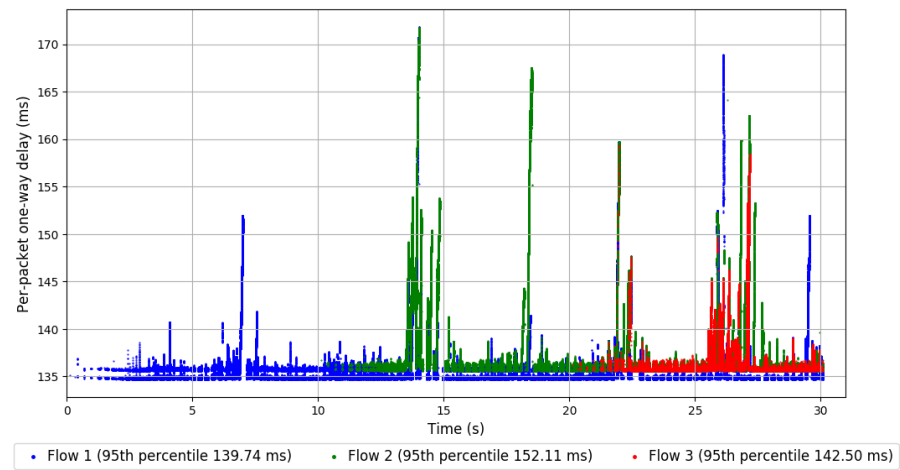
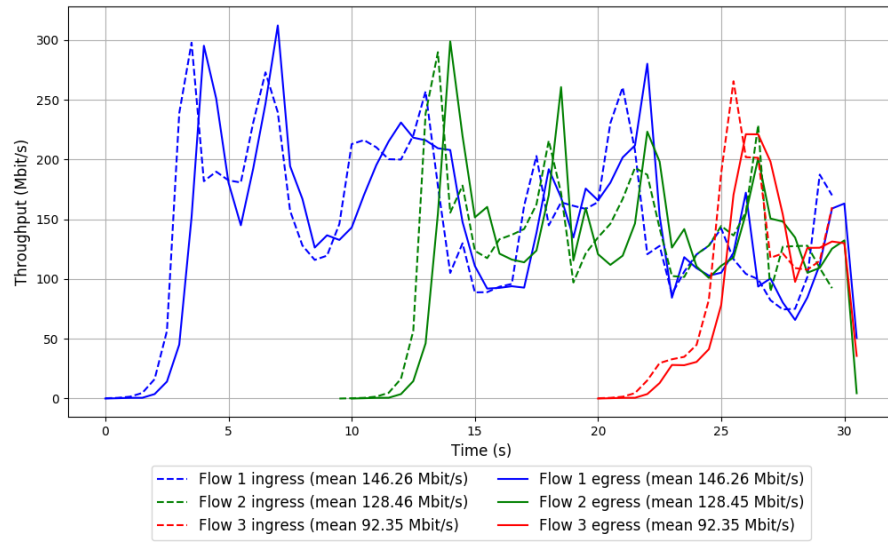
-- Flow 3:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 142.496 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-31 14:43:11

End at: 2018-05-31 14:43:41

Local clock offset: 0.183 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-05-31 15:35:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.65 Mbit/s

95th percentile per-packet one-way delay: 142.856 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 167.75 Mbit/s

95th percentile per-packet one-way delay: 139.284 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 202.55 Mbit/s

95th percentile per-packet one-way delay: 149.354 ms

Loss rate: 0.00%

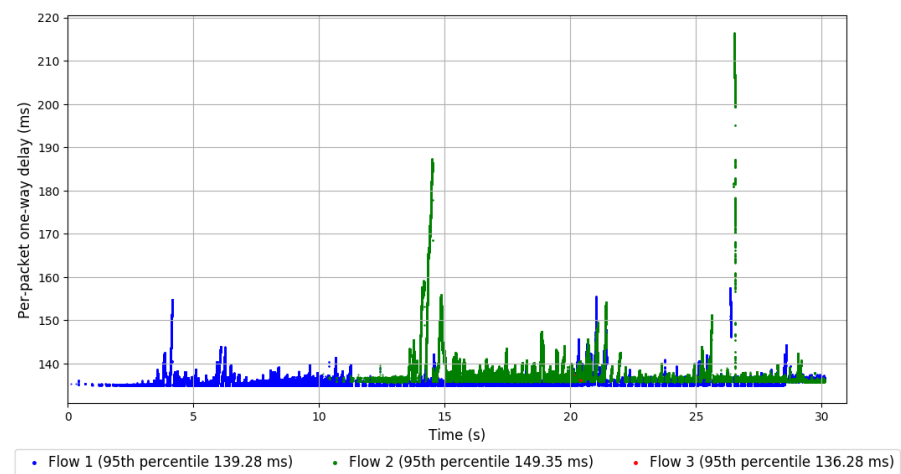
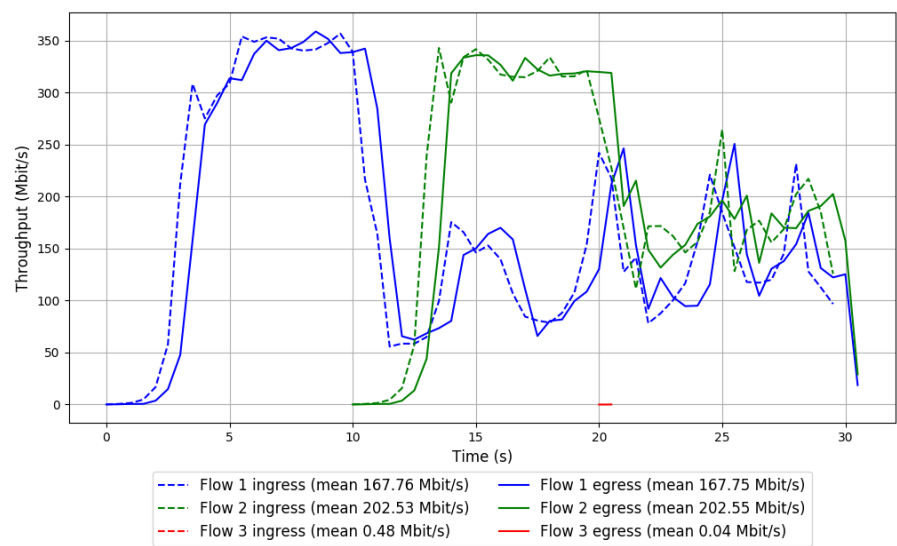
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 136.281 ms

Loss rate: 90.91%

Run 10: Report of Copa — Data Link

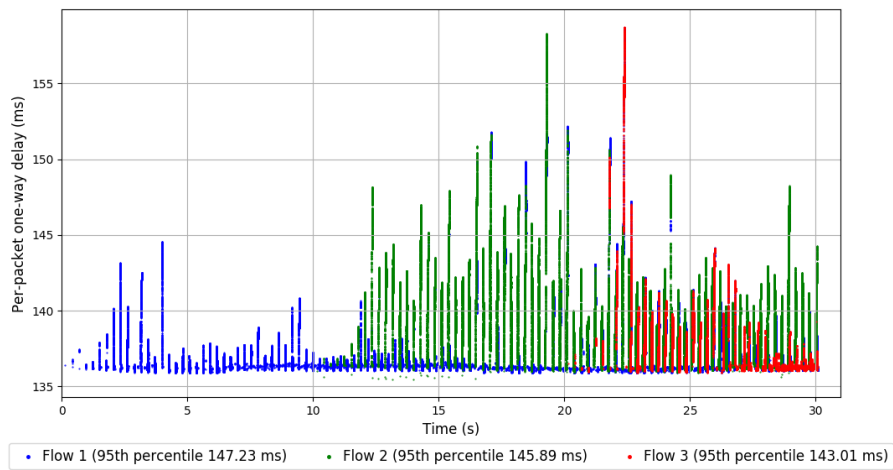
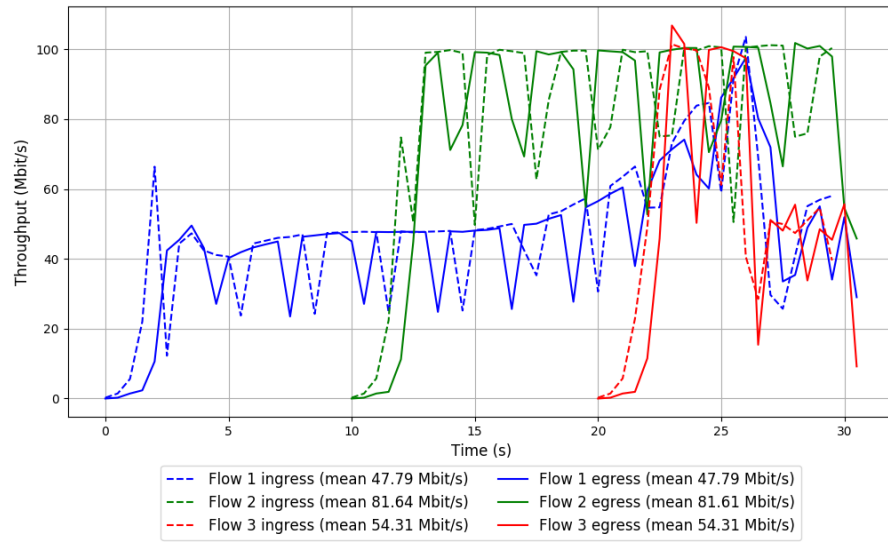


Run 1: Statistics of TCP Cubic

Start at: 2018-05-31 10:59:33
End at: 2018-05-31 11:00:03
Local clock offset: -0.386 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-05-31 15:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.00 Mbit/s
95th percentile per-packet one-way delay: 145.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 147.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 145.886 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 143.010 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

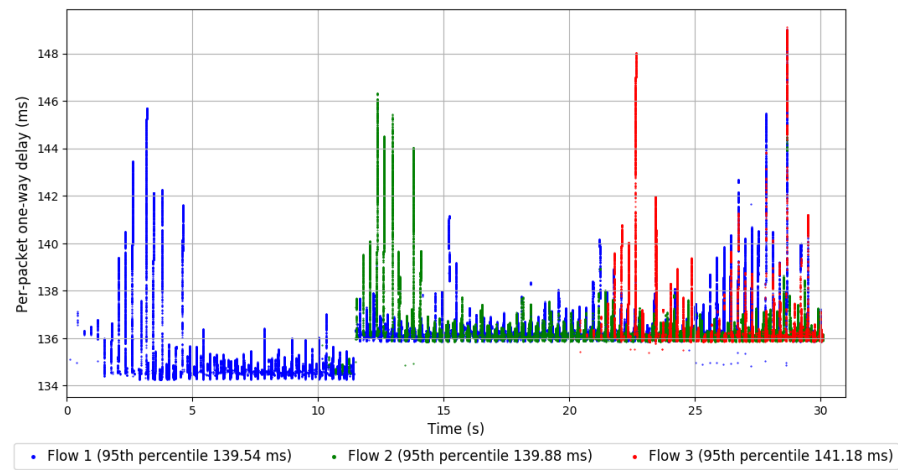
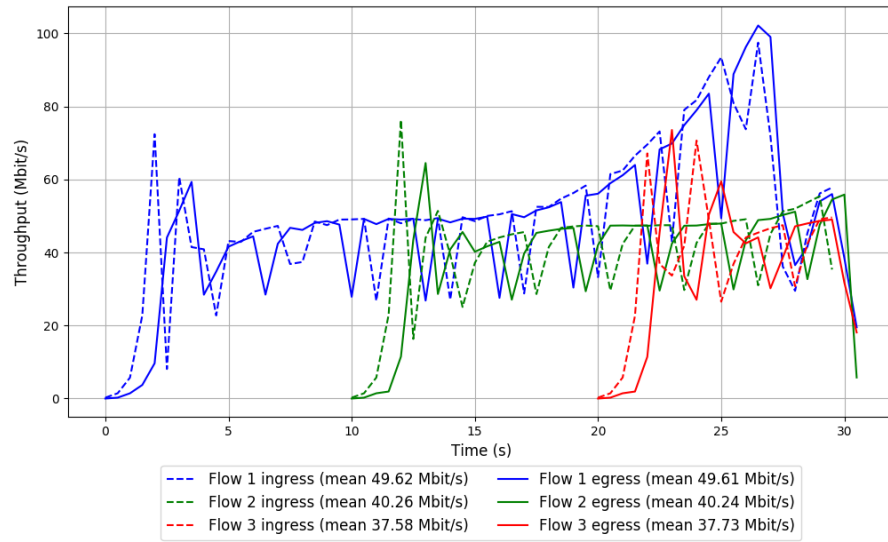


Run 2: Statistics of TCP Cubic

Start at: 2018-05-31 11:24:18
End at: 2018-05-31 11:24:48
Local clock offset: -0.11 ms
Remote clock offset: -0.695 ms

Below is generated by plot.py at 2018-05-31 15:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 139.938 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.61 Mbit/s
95th percentile per-packet one-way delay: 139.545 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 139.878 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 141.182 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

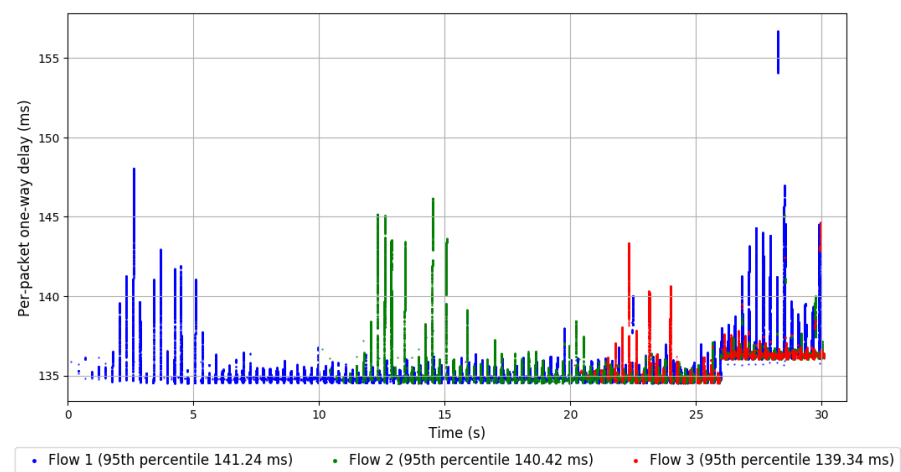
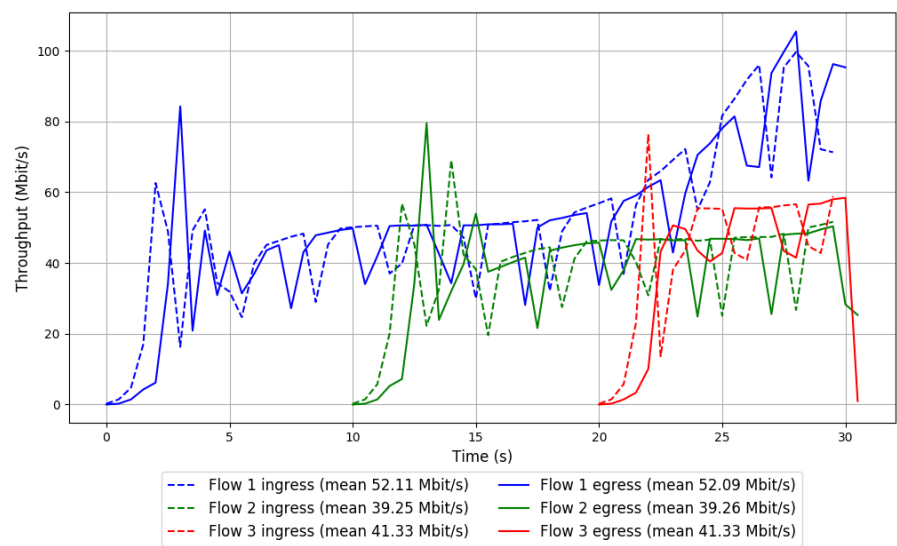


Run 3: Statistics of TCP Cubic

Start at: 2018-05-31 11:48:53
End at: 2018-05-31 11:49:23
Local clock offset: 0.042 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-05-31 15:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 140.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.09 Mbit/s
95th percentile per-packet one-way delay: 141.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 140.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 139.341 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

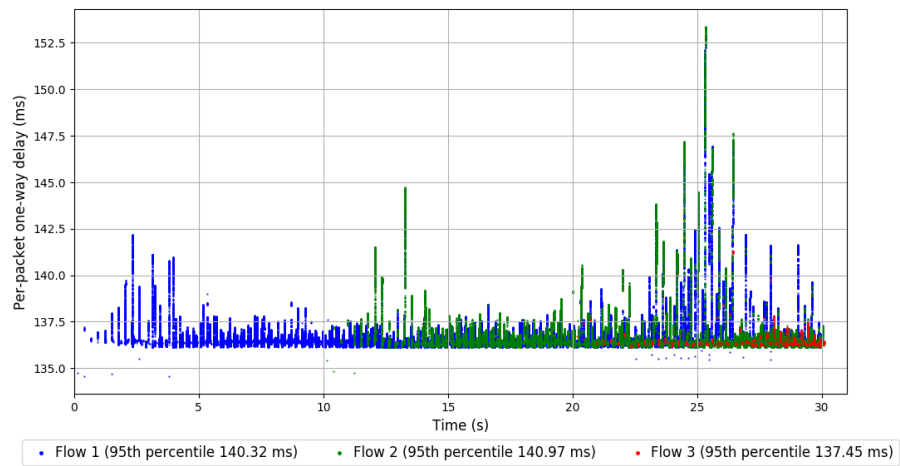
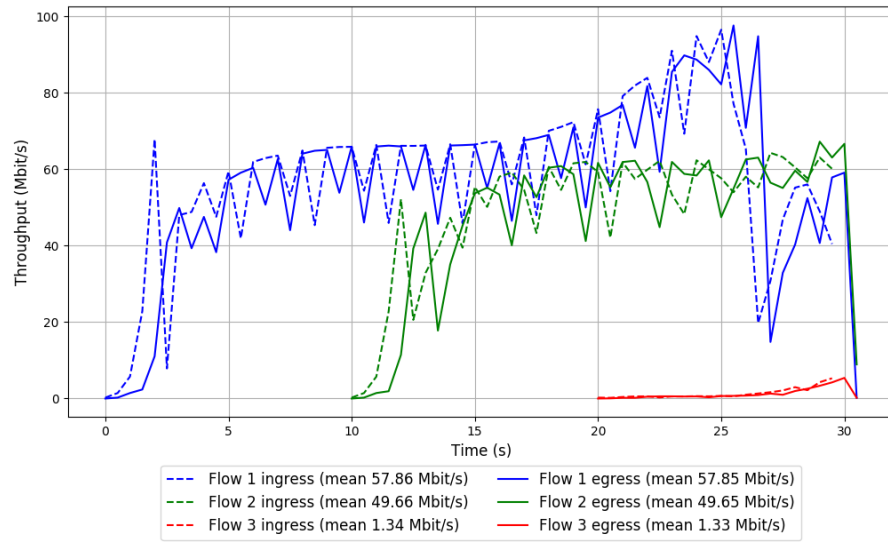


Run 4: Statistics of TCP Cubic

Start at: 2018-05-31 12:13:57
End at: 2018-05-31 12:14:27
Local clock offset: -0.433 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-05-31 15:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 140.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 140.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.65 Mbit/s
95th percentile per-packet one-way delay: 140.968 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 137.449 ms
Loss rate: 0.72%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-31 12:38:45

End at: 2018-05-31 12:39:15

Local clock offset: 1.512 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-05-31 15:35:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.04 Mbit/s

95th percentile per-packet one-way delay: 138.342 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 42.20 Mbit/s

95th percentile per-packet one-way delay: 137.926 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 39.19 Mbit/s

95th percentile per-packet one-way delay: 137.587 ms

Loss rate: 0.00%

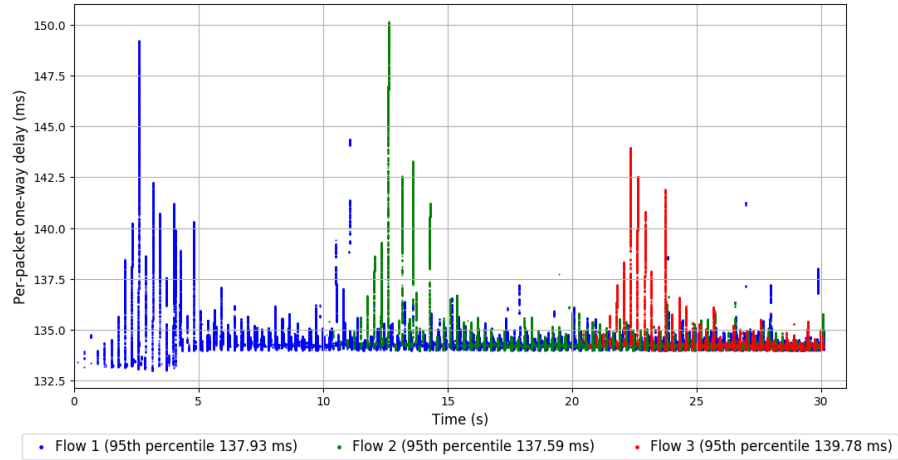
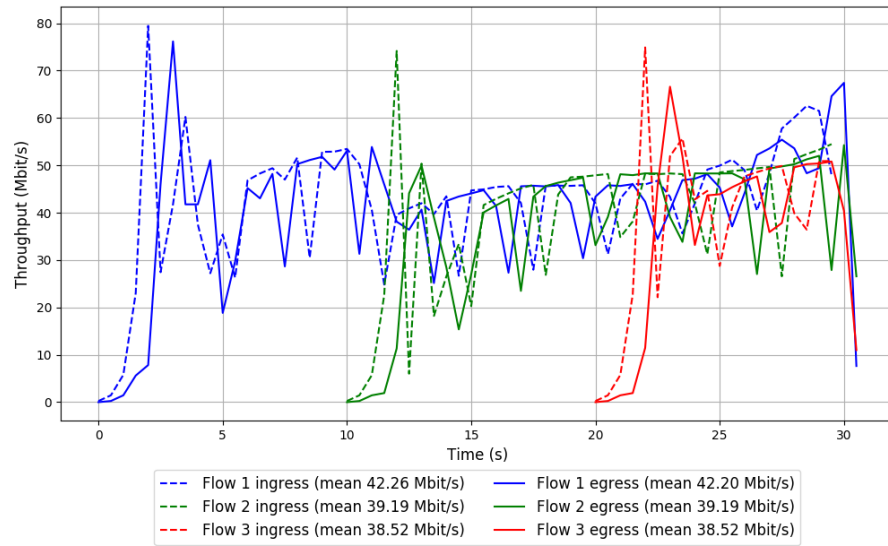
-- Flow 3:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 139.784 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-31 13:03:49

End at: 2018-05-31 13:04:19

Local clock offset: -0.244 ms

Remote clock offset: 0.706 ms

Below is generated by plot.py at 2018-05-31 15:35:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 139.058 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 138.669 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.37 Mbit/s

95th percentile per-packet one-way delay: 140.570 ms

Loss rate: 0.00%

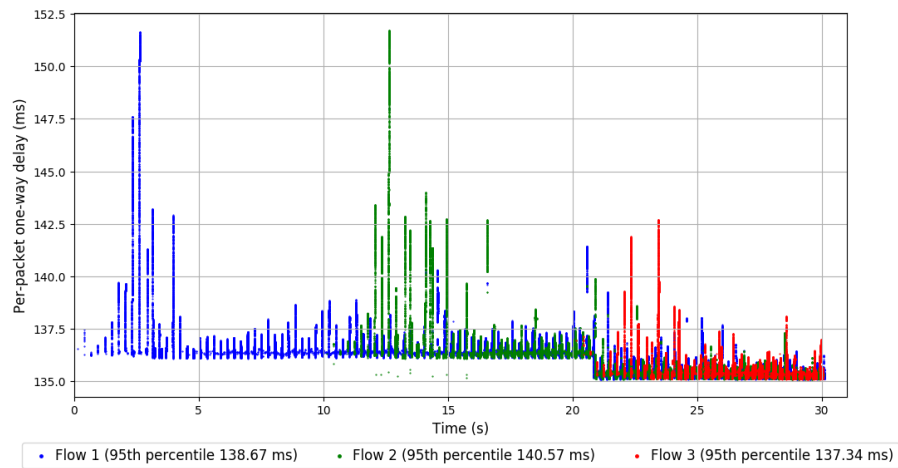
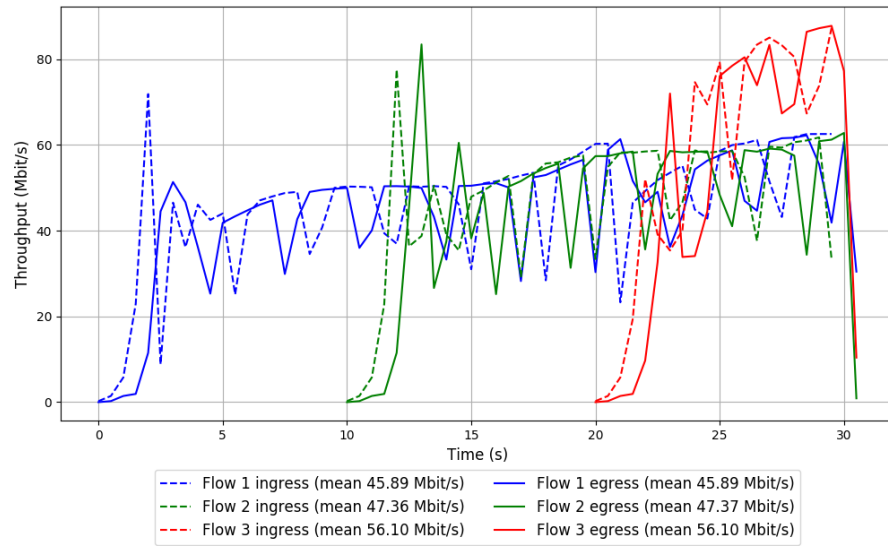
-- Flow 3:

Average throughput: 56.10 Mbit/s

95th percentile per-packet one-way delay: 137.342 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

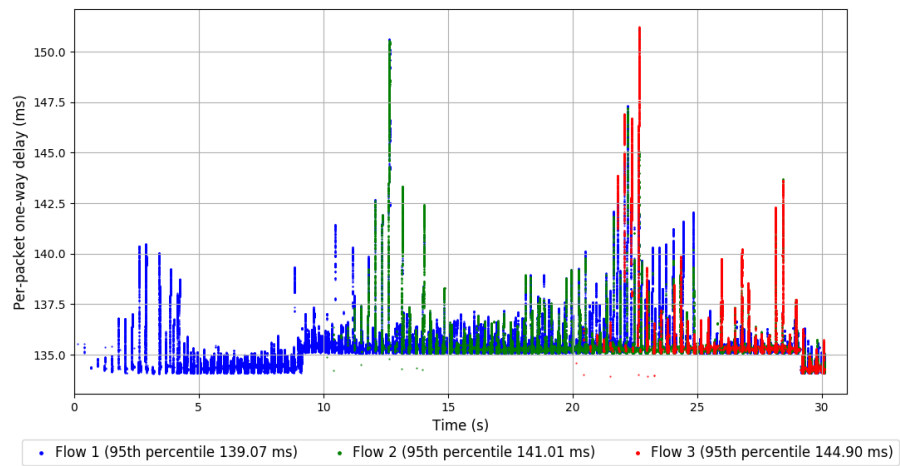
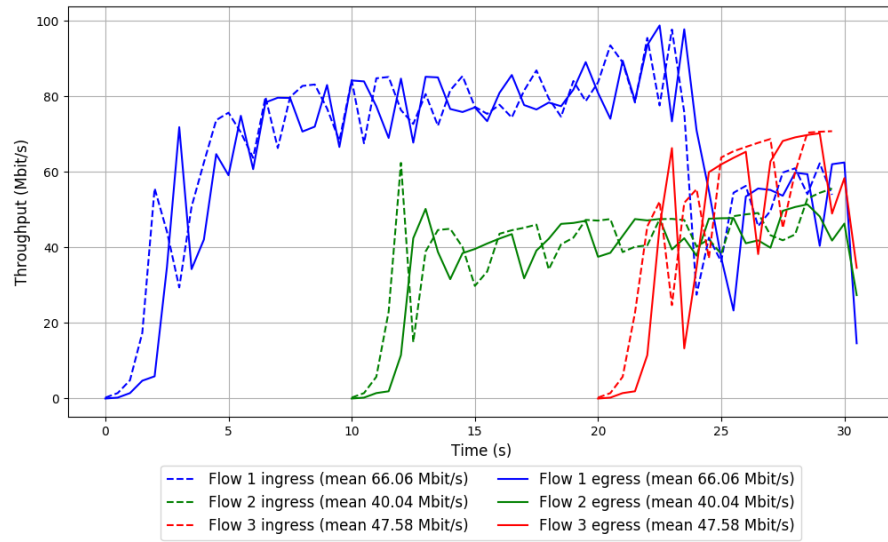


Run 7: Statistics of TCP Cubic

Start at: 2018-05-31 13:29:10
End at: 2018-05-31 13:29:40
Local clock offset: 0.151 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-05-31 15:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.49 Mbit/s
95th percentile per-packet one-way delay: 140.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.06 Mbit/s
95th percentile per-packet one-way delay: 139.072 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 141.014 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 144.895 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

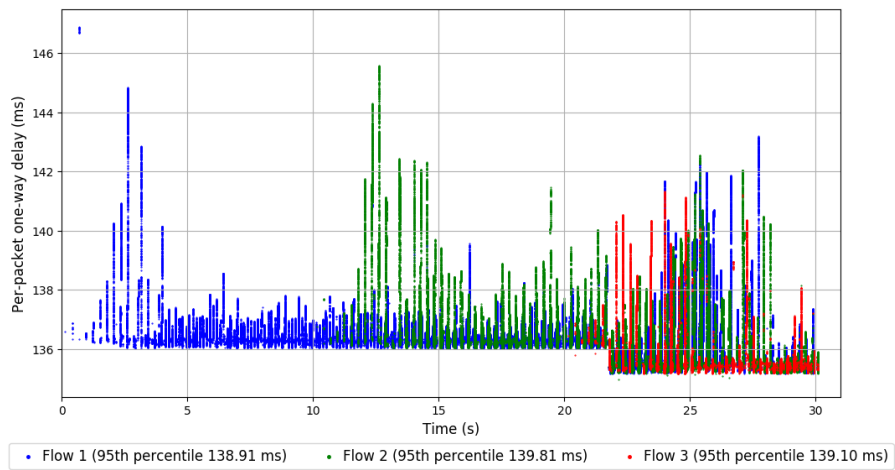
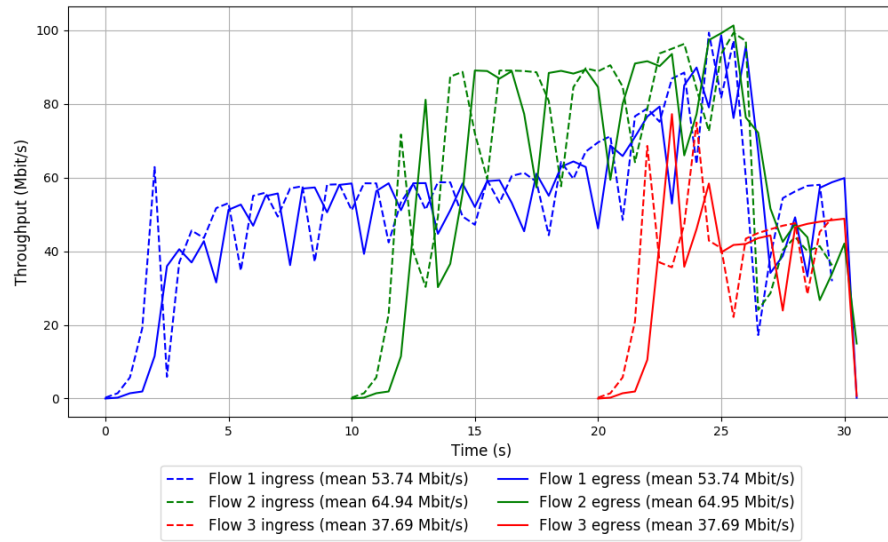


Run 8: Statistics of TCP Cubic

Start at: 2018-05-31 13:54:38
End at: 2018-05-31 13:55:08
Local clock offset: -0.494 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-31 15:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.46 Mbit/s
95th percentile per-packet one-way delay: 139.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 138.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 139.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 139.104 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

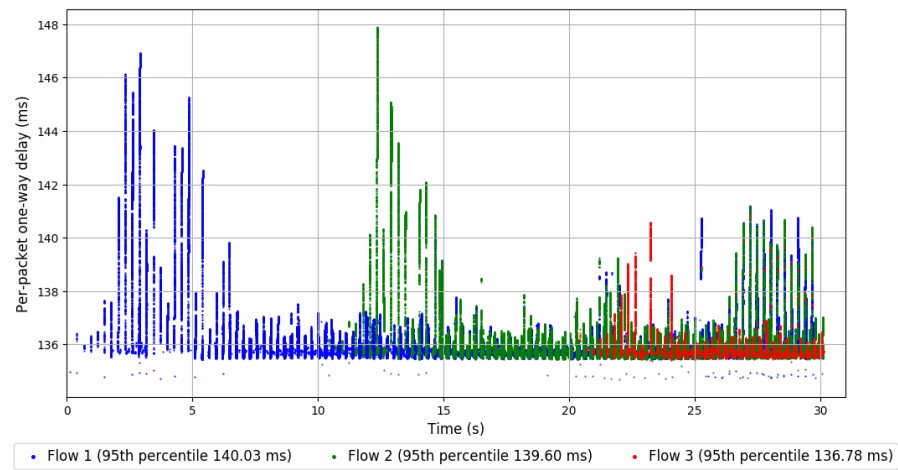
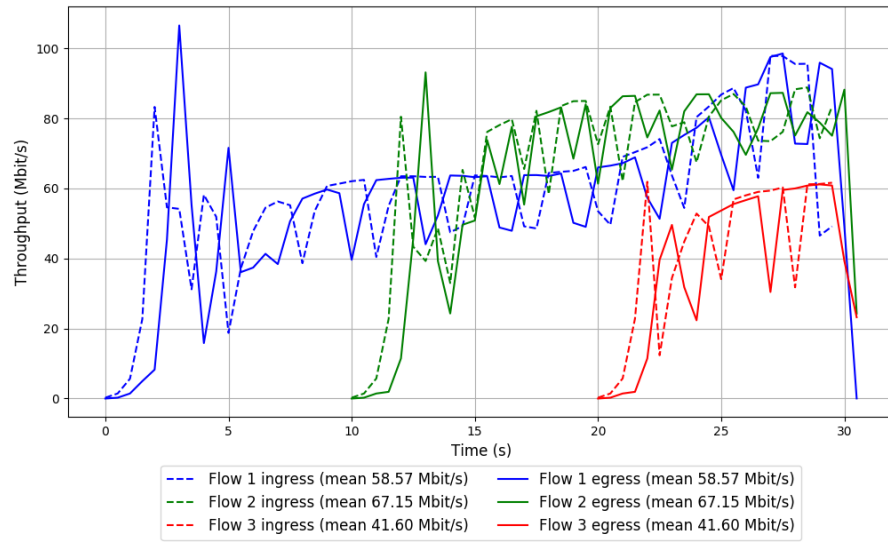


Run 9: Statistics of TCP Cubic

Start at: 2018-05-31 14:19:34
End at: 2018-05-31 14:20:04
Local clock offset: 0.115 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-31 15:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.95 Mbit/s
95th percentile per-packet one-way delay: 139.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 140.031 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 139.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 136.781 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

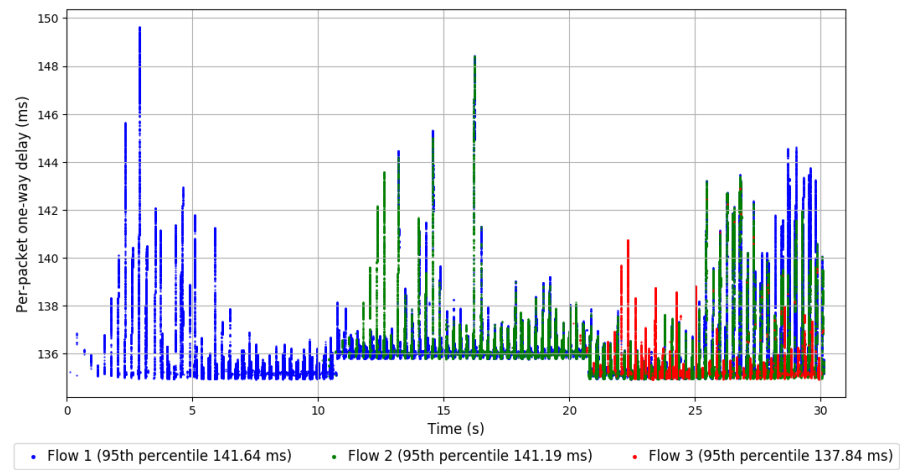
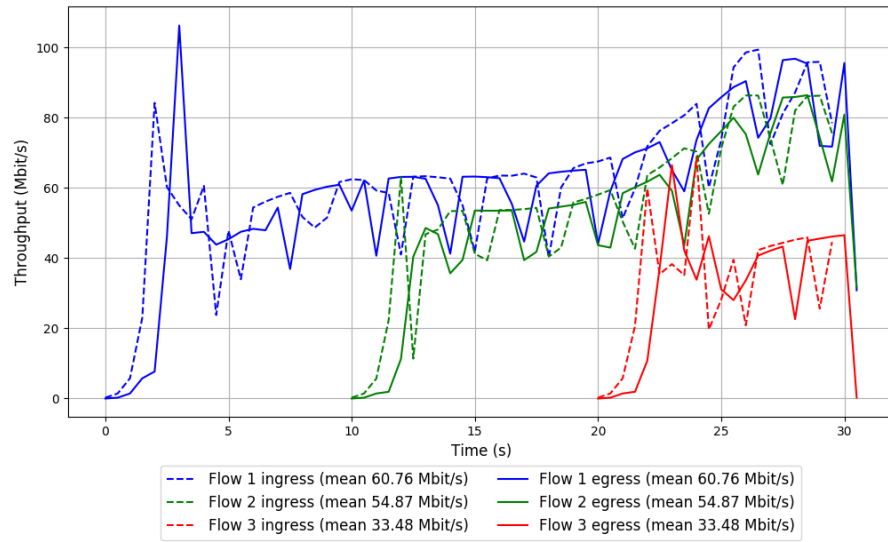


Run 10: Statistics of TCP Cubic

Start at: 2018-05-31 14:44:59
End at: 2018-05-31 14:45:29
Local clock offset: -0.071 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-31 15:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.40 Mbit/s
95th percentile per-packet one-way delay: 141.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 141.637 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 141.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 137.838 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

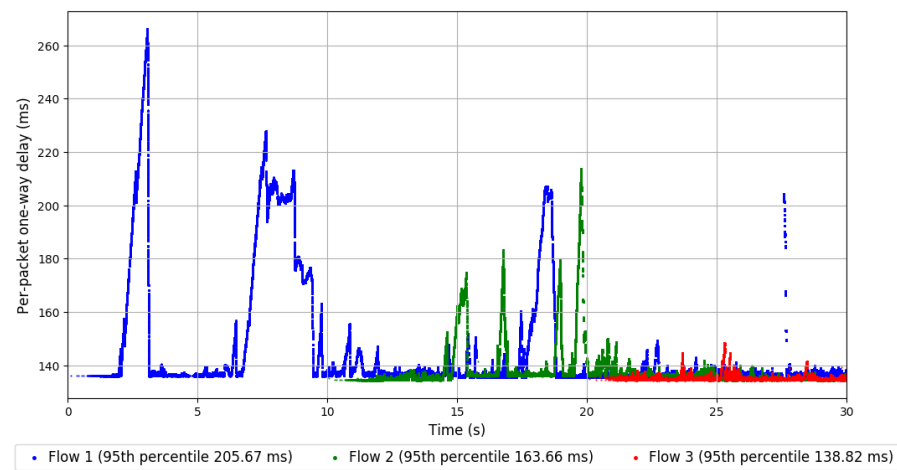
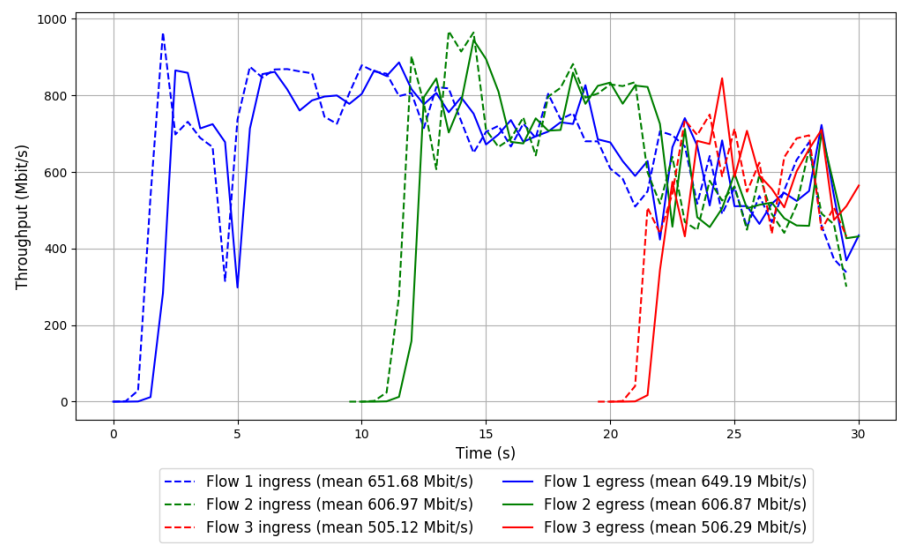


Run 1: Statistics of FillP

Start at: 2018-05-31 11:13:54
End at: 2018-05-31 11:14:24
Local clock offset: -0.241 ms
Remote clock offset: -0.679 ms

Below is generated by plot.py at 2018-05-31 15:55:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1222.20 Mbit/s
95th percentile per-packet one-way delay: 200.754 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 649.19 Mbit/s
95th percentile per-packet one-way delay: 205.668 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 606.87 Mbit/s
95th percentile per-packet one-way delay: 163.665 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 506.29 Mbit/s
95th percentile per-packet one-way delay: 138.817 ms
Loss rate: 0.00%

Run 1: Report of FillP — Data Link

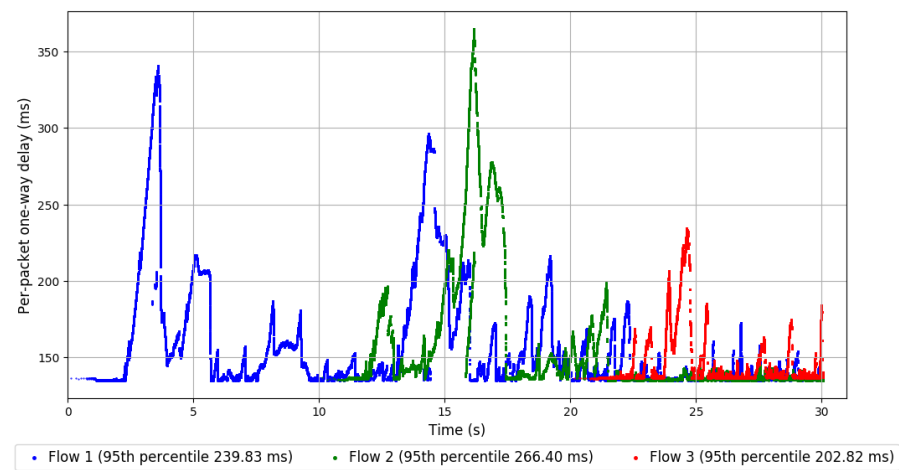
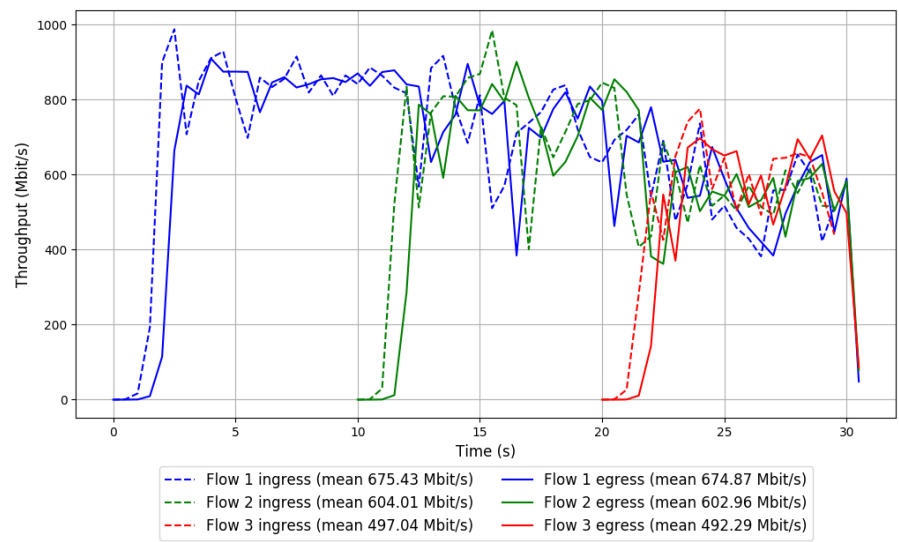


Run 2: Statistics of FillP

Start at: 2018-05-31 11:38:28
End at: 2018-05-31 11:38:58
Local clock offset: -0.386 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-05-31 15:55:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1239.21 Mbit/s
95th percentile per-packet one-way delay: 248.388 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 674.87 Mbit/s
95th percentile per-packet one-way delay: 239.834 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 602.96 Mbit/s
95th percentile per-packet one-way delay: 266.400 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 492.29 Mbit/s
95th percentile per-packet one-way delay: 202.825 ms
Loss rate: 0.92%

Run 2: Report of FillP — Data Link

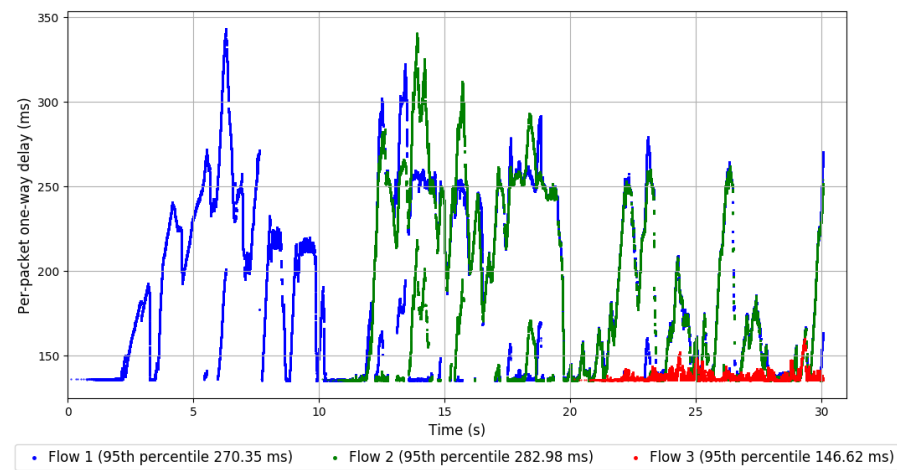
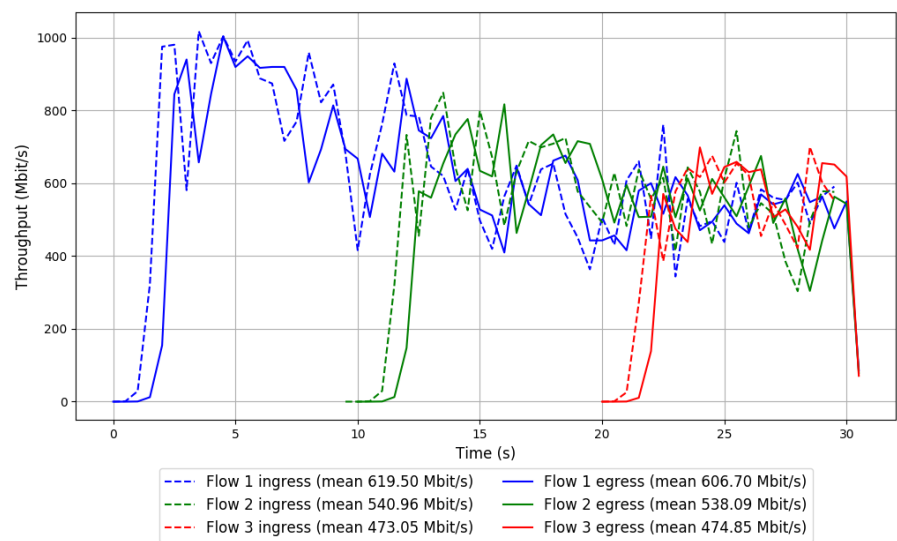


Run 3: Statistics of FillP

Start at: 2018-05-31 12:03:32
End at: 2018-05-31 12:04:02
Local clock offset: 0.142 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-31 15:55:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1122.05 Mbit/s
95th percentile per-packet one-way delay: 270.679 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 606.70 Mbit/s
95th percentile per-packet one-way delay: 270.351 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 538.09 Mbit/s
95th percentile per-packet one-way delay: 282.978 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 474.85 Mbit/s
95th percentile per-packet one-way delay: 146.616 ms
Loss rate: 0.00%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-31 12:28:23

End at: 2018-05-31 12:28:53

Local clock offset: -0.125 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-05-31 15:57:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 1249.97 Mbit/s

95th percentile per-packet one-way delay: 228.938 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 658.98 Mbit/s

95th percentile per-packet one-way delay: 232.181 ms

Loss rate: 2.71%

-- Flow 2:

Average throughput: 627.93 Mbit/s

95th percentile per-packet one-way delay: 213.444 ms

Loss rate: 1.37%

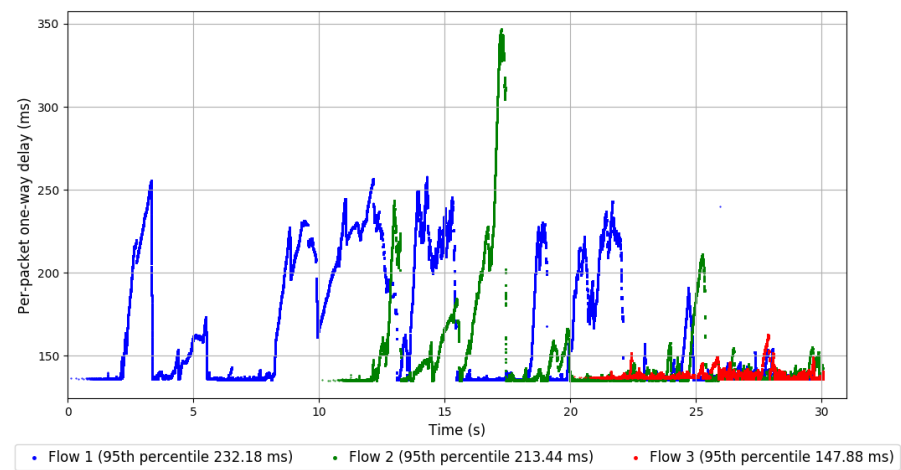
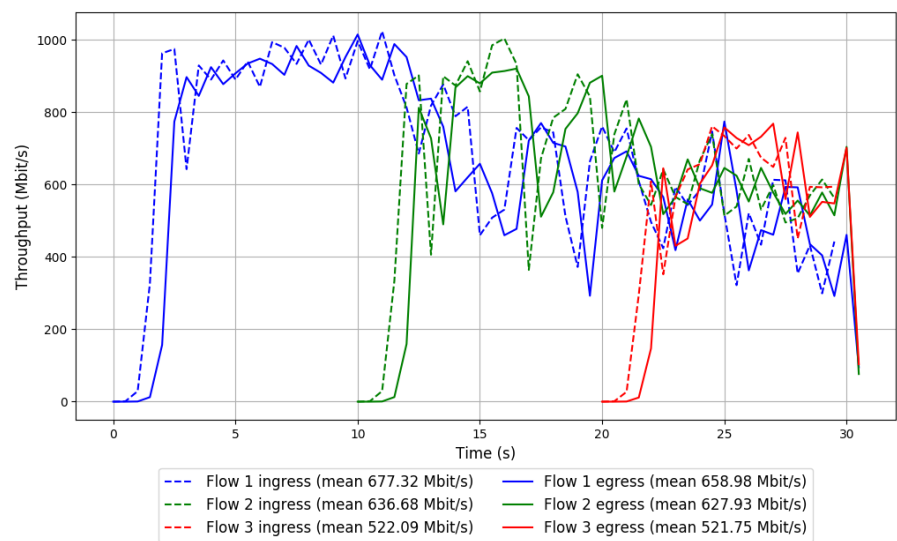
-- Flow 3:

Average throughput: 521.75 Mbit/s

95th percentile per-packet one-way delay: 147.884 ms

Loss rate: 0.08%

Run 4: Report of FillP — Data Link

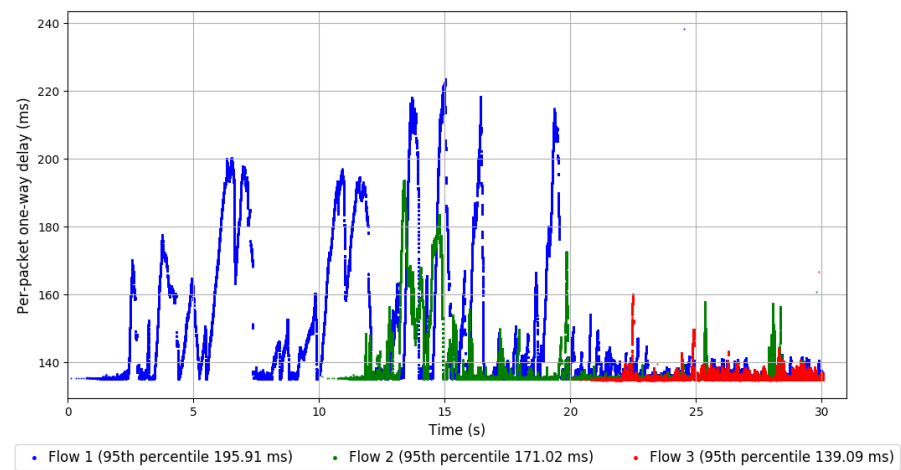
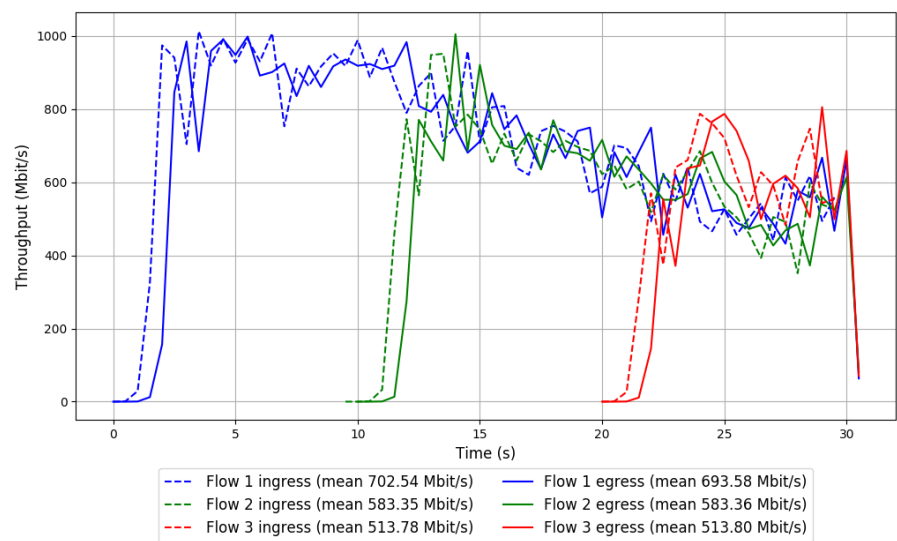


Run 5: Statistics of FillP

Start at: 2018-05-31 12:53:19
End at: 2018-05-31 12:53:49
Local clock offset: -0.051 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-05-31 15:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1252.24 Mbit/s
95th percentile per-packet one-way delay: 191.287 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 693.58 Mbit/s
95th percentile per-packet one-way delay: 195.907 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 583.36 Mbit/s
95th percentile per-packet one-way delay: 171.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 513.80 Mbit/s
95th percentile per-packet one-way delay: 139.088 ms
Loss rate: 0.00%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-31 13:18:41

End at: 2018-05-31 13:19:11

Local clock offset: -0.268 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-05-31 15:57:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1232.98 Mbit/s

95th percentile per-packet one-way delay: 196.524 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 678.60 Mbit/s

95th percentile per-packet one-way delay: 201.523 ms

Loss rate: 1.96%

-- Flow 2:

Average throughput: 619.14 Mbit/s

95th percentile per-packet one-way delay: 184.928 ms

Loss rate: 0.45%

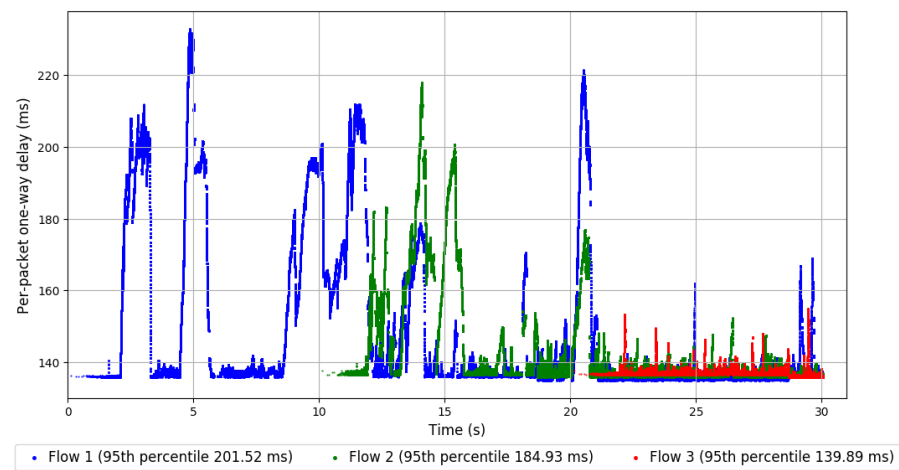
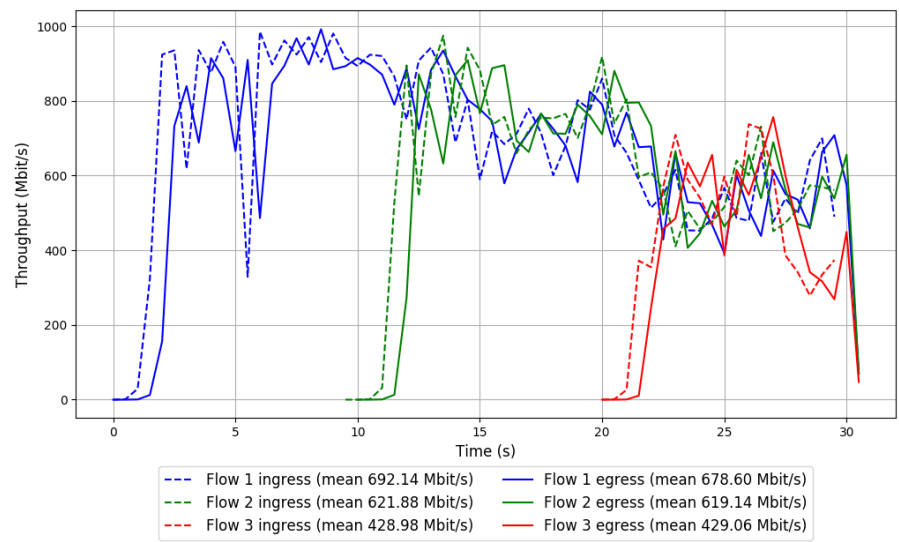
-- Flow 3:

Average throughput: 429.06 Mbit/s

95th percentile per-packet one-way delay: 139.889 ms

Loss rate: 0.00%

Run 6: Report of FillP — Data Link

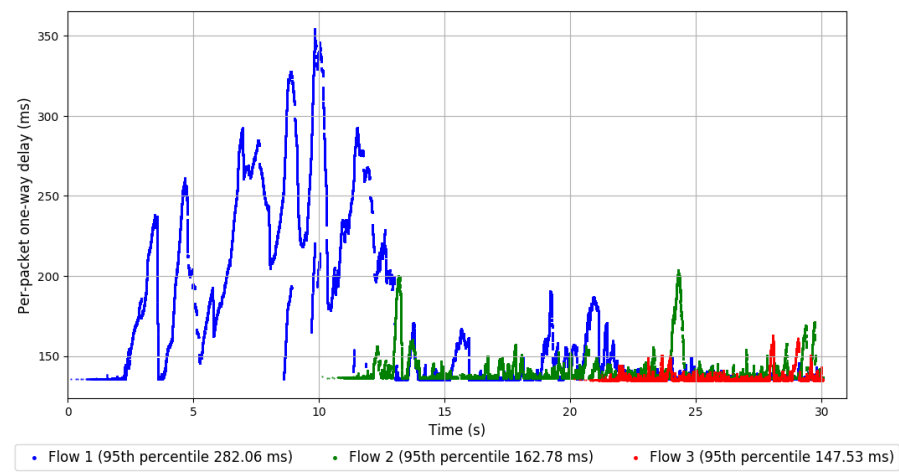
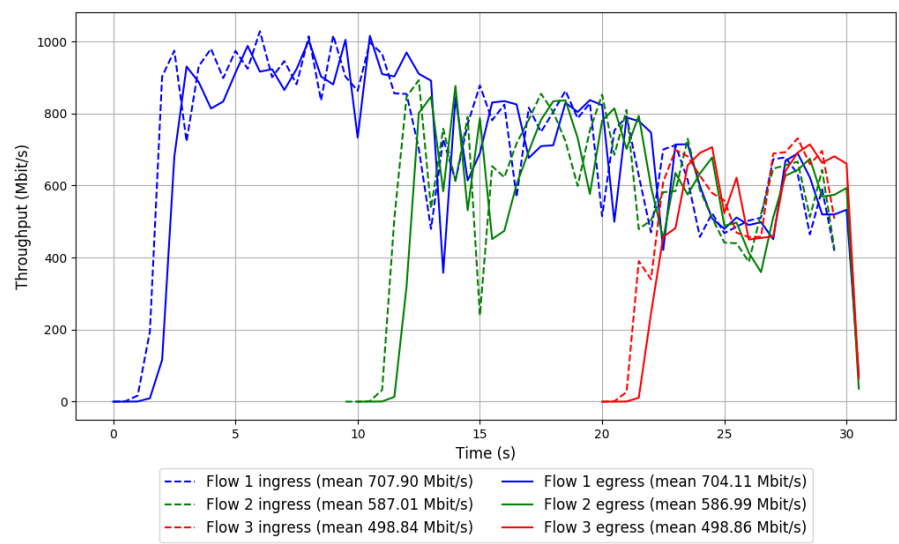


Run 7: Statistics of FillP

Start at: 2018-05-31 13:44:09
End at: 2018-05-31 13:44:39
Local clock offset: -0.031 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-31 15:59:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1259.92 Mbit/s
95th percentile per-packet one-way delay: 266.747 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 704.11 Mbit/s
95th percentile per-packet one-way delay: 282.059 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 586.99 Mbit/s
95th percentile per-packet one-way delay: 162.775 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 498.86 Mbit/s
95th percentile per-packet one-way delay: 147.529 ms
Loss rate: 0.00%

Run 7: Report of FillP — Data Link

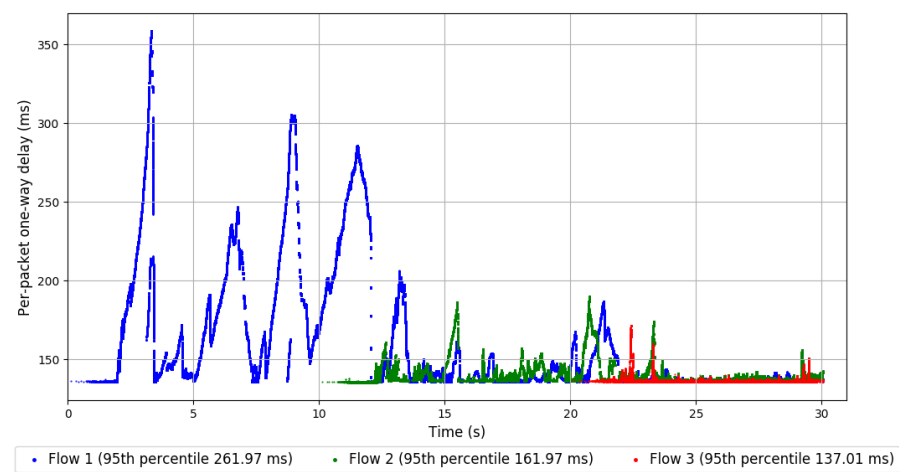
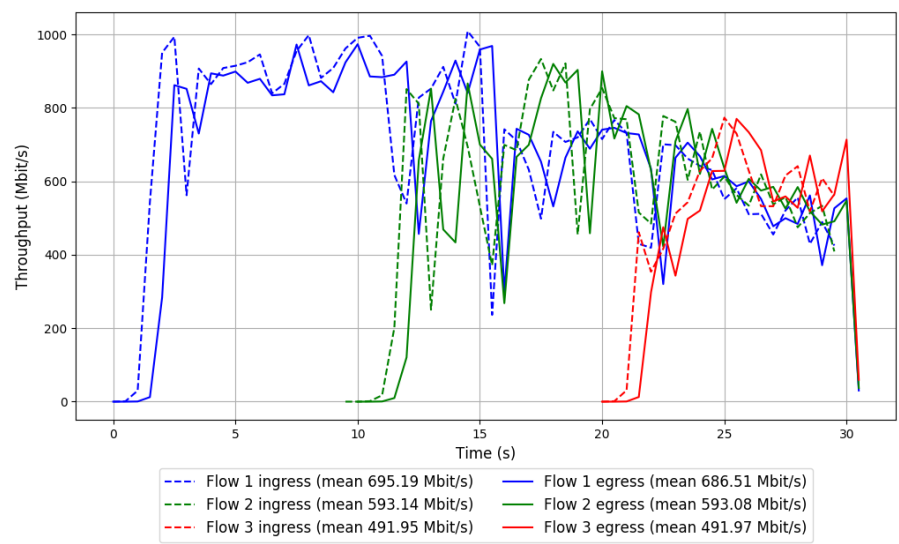


Run 8: Statistics of FillP

Start at: 2018-05-31 14:09:07
End at: 2018-05-31 14:09:37
Local clock offset: -0.041 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-31 16:02:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1244.35 Mbit/s
95th percentile per-packet one-way delay: 237.567 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 686.51 Mbit/s
95th percentile per-packet one-way delay: 261.973 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 593.08 Mbit/s
95th percentile per-packet one-way delay: 161.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 491.97 Mbit/s
95th percentile per-packet one-way delay: 137.009 ms
Loss rate: 0.00%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-31 14:34:25

End at: 2018-05-31 14:34:55

Local clock offset: -0.072 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-05-31 16:21:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1266.11 Mbit/s

95th percentile per-packet one-way delay: 229.550 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 688.29 Mbit/s

95th percentile per-packet one-way delay: 267.557 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 628.26 Mbit/s

95th percentile per-packet one-way delay: 200.154 ms

Loss rate: 0.58%

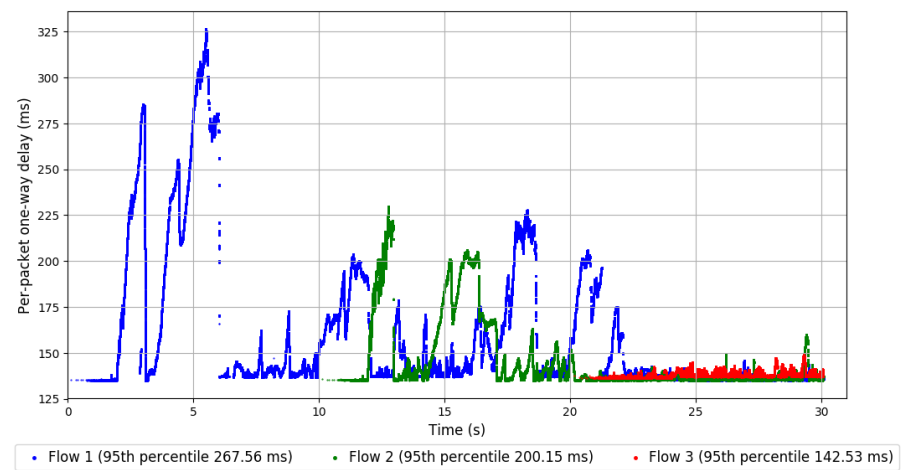
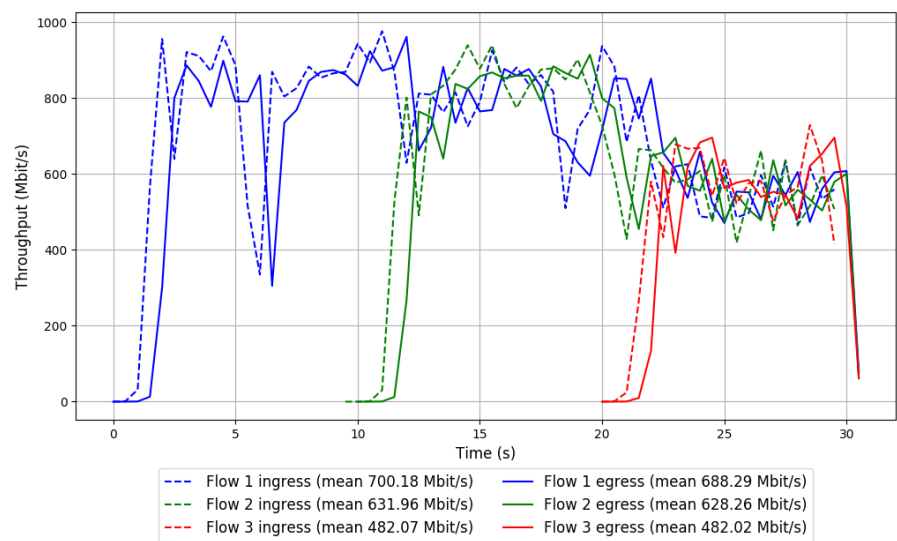
-- Flow 3:

Average throughput: 482.02 Mbit/s

95th percentile per-packet one-way delay: 142.525 ms

Loss rate: 0.00%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-31 15:00:04

End at: 2018-05-31 15:00:34

Local clock offset: -0.252 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2018-05-31 16:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 1211.82 Mbit/s

95th percentile per-packet one-way delay: 261.425 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 665.23 Mbit/s

95th percentile per-packet one-way delay: 260.846 ms

Loss rate: 3.16%

-- Flow 2:

Average throughput: 589.60 Mbit/s

95th percentile per-packet one-way delay: 180.677 ms

Loss rate: 0.14%

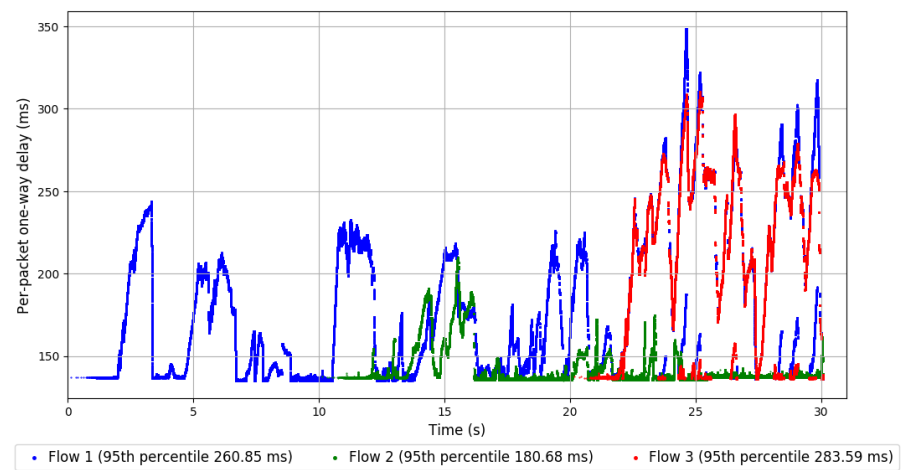
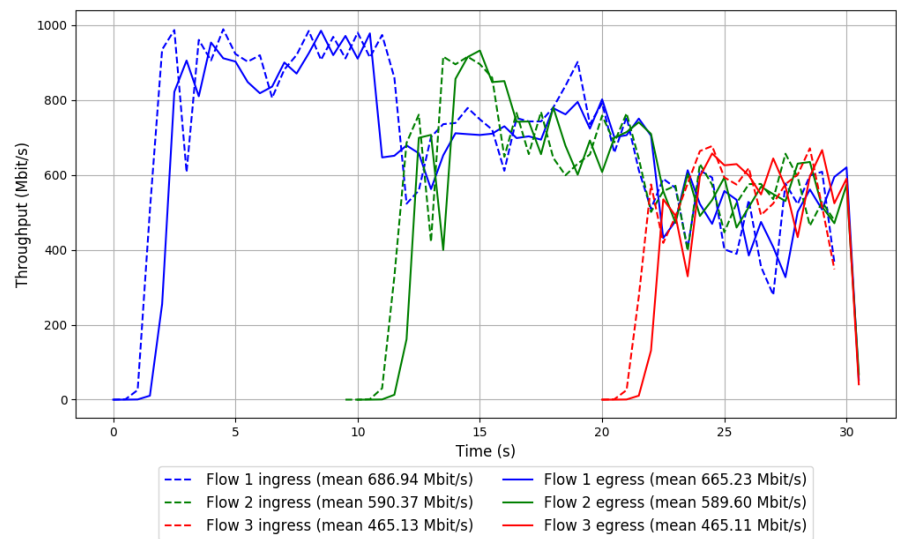
-- Flow 3:

Average throughput: 465.11 Mbit/s

95th percentile per-packet one-way delay: 283.593 ms

Loss rate: 0.00%

Run 10: Report of FillP — Data Link

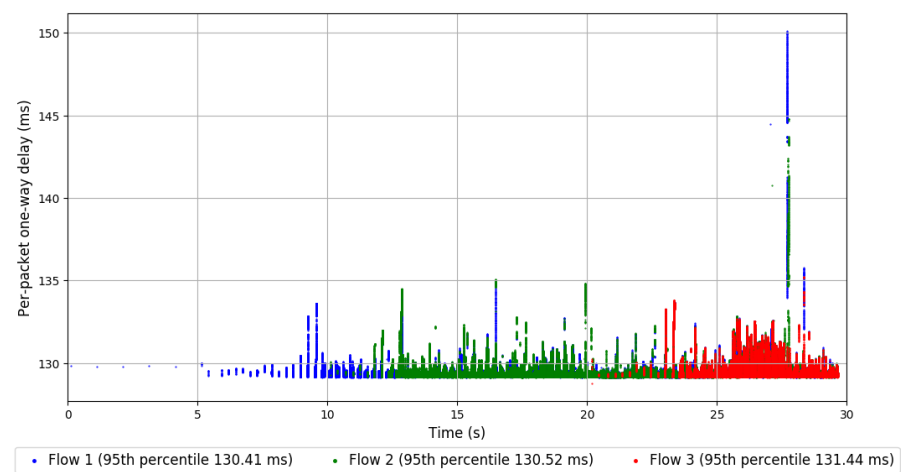
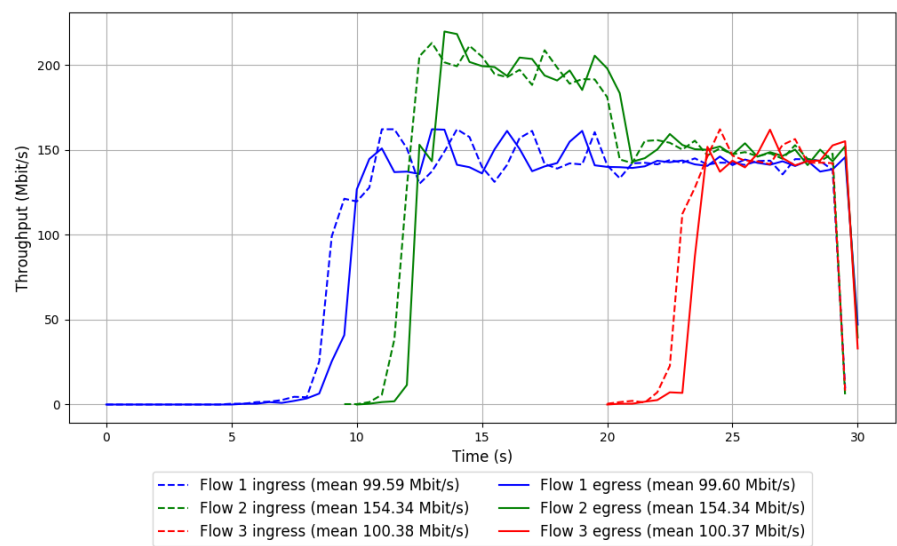


Run 1: Statistics of Indigo

Start at: 2018-05-31 11:03:34
End at: 2018-05-31 11:04:04
Local clock offset: 5.902 ms
Remote clock offset: -0.721 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.96 Mbit/s
95th percentile per-packet one-way delay: 130.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.60 Mbit/s
95th percentile per-packet one-way delay: 130.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.34 Mbit/s
95th percentile per-packet one-way delay: 130.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.37 Mbit/s
95th percentile per-packet one-way delay: 131.444 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

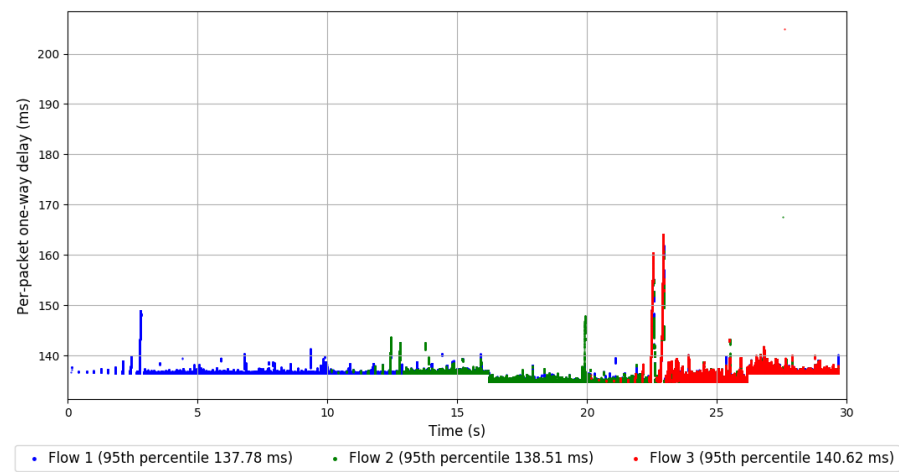
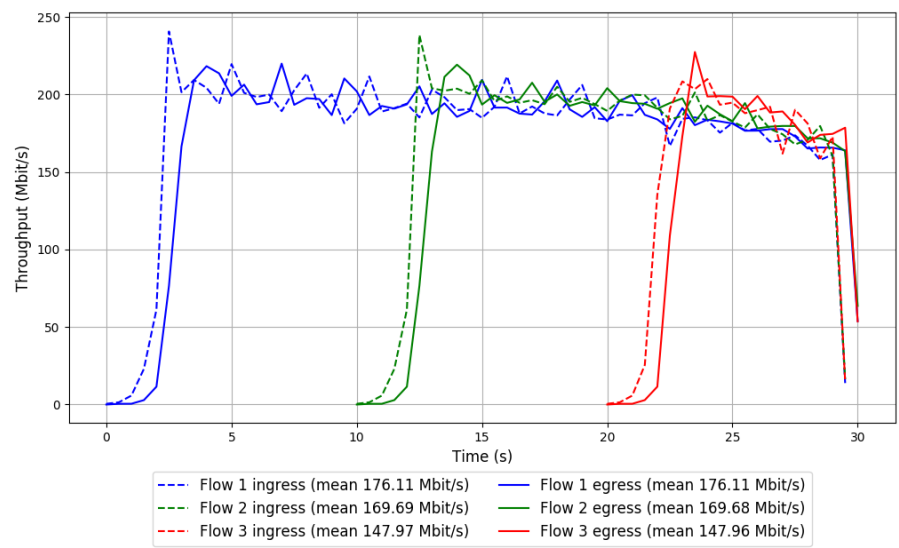


Run 2: Statistics of Indigo

Start at: 2018-05-31 11:28:13
End at: 2018-05-31 11:28:43
Local clock offset: -0.305 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.99 Mbit/s
95th percentile per-packet one-way delay: 138.362 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 176.11 Mbit/s
95th percentile per-packet one-way delay: 137.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.68 Mbit/s
95th percentile per-packet one-way delay: 138.511 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 147.96 Mbit/s
95th percentile per-packet one-way delay: 140.622 ms
Loss rate: 0.02%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-31 11:53:08

End at: 2018-05-31 11:53:38

Local clock offset: 1.504 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-05-31 16:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.52 Mbit/s

95th percentile per-packet one-way delay: 136.373 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 175.76 Mbit/s

95th percentile per-packet one-way delay: 135.963 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 129.35 Mbit/s

95th percentile per-packet one-way delay: 136.508 ms

Loss rate: 0.00%

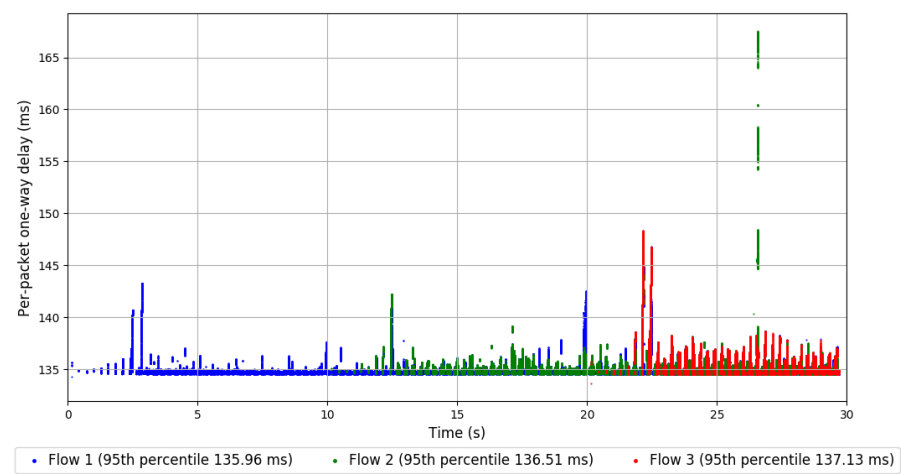
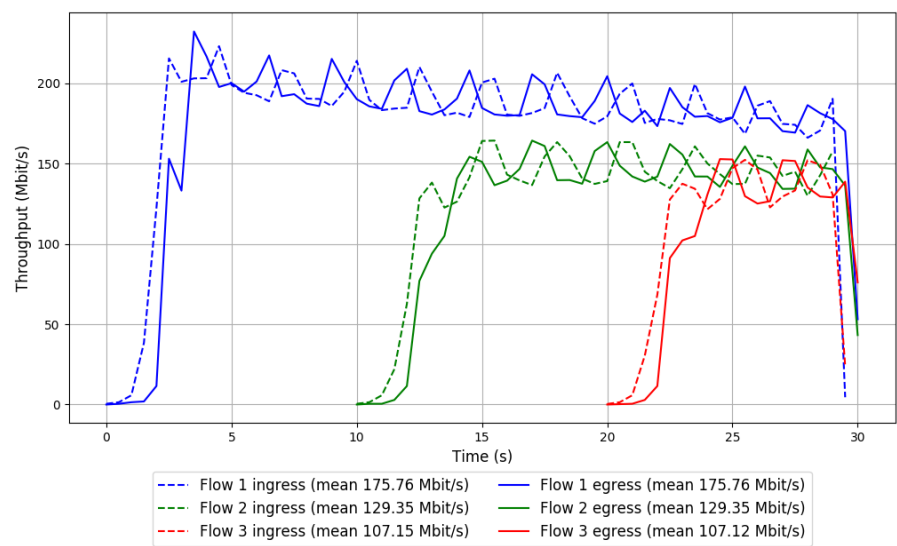
-- Flow 3:

Average throughput: 107.12 Mbit/s

95th percentile per-packet one-way delay: 137.131 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link

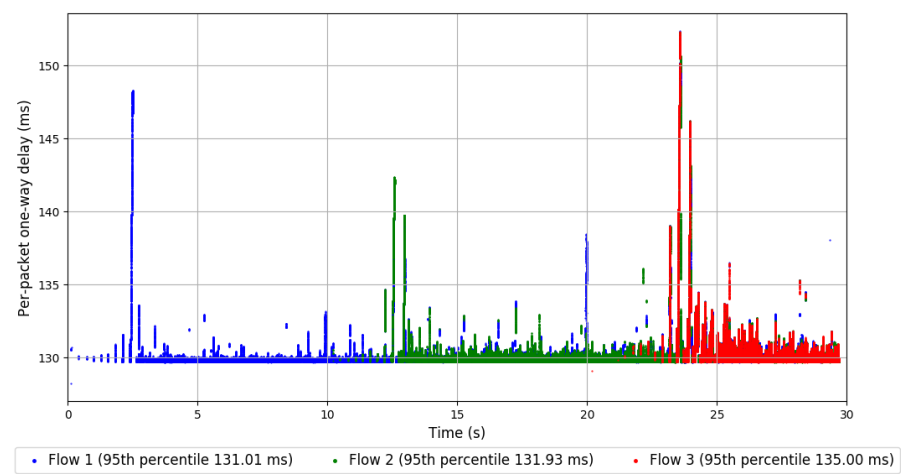
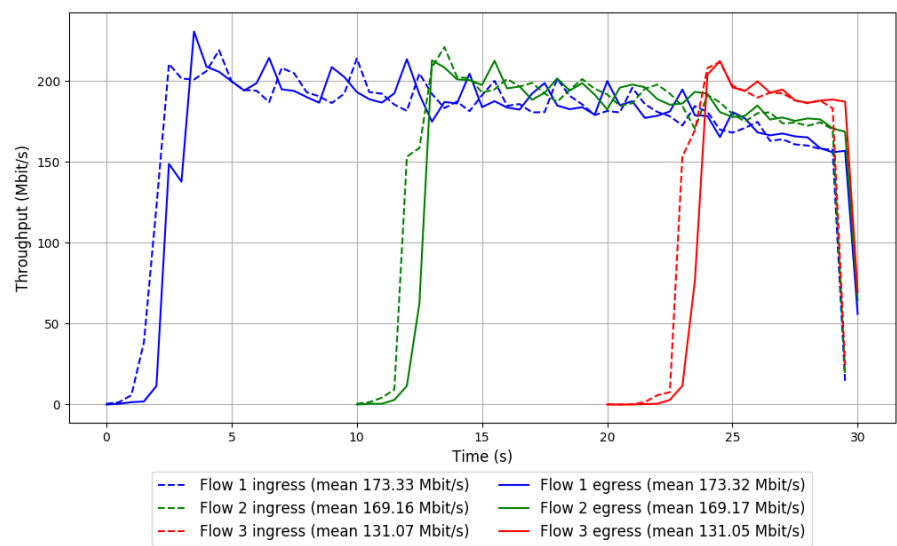


Run 4: Statistics of Indigo

Start at: 2018-05-31 12:17:57
End at: 2018-05-31 12:18:27
Local clock offset: 5.959 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.96 Mbit/s
95th percentile per-packet one-way delay: 131.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.32 Mbit/s
95th percentile per-packet one-way delay: 131.011 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.17 Mbit/s
95th percentile per-packet one-way delay: 131.929 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.05 Mbit/s
95th percentile per-packet one-way delay: 134.999 ms
Loss rate: 0.01%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-31 12:42:59

End at: 2018-05-31 12:43:29

Local clock offset: -0.062 ms

Remote clock offset: 0.612 ms

Below is generated by plot.py at 2018-05-31 16:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 330.07 Mbit/s

95th percentile per-packet one-way delay: 137.294 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 172.25 Mbit/s

95th percentile per-packet one-way delay: 136.839 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 165.27 Mbit/s

95th percentile per-packet one-way delay: 137.750 ms

Loss rate: 0.00%

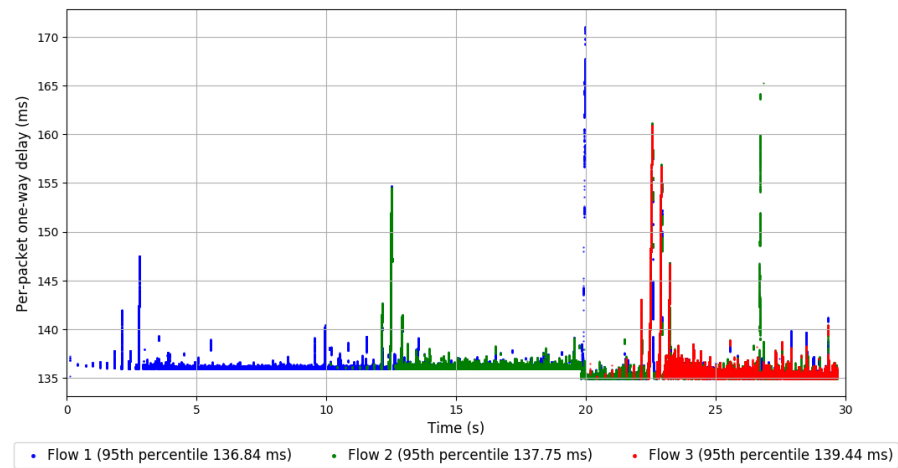
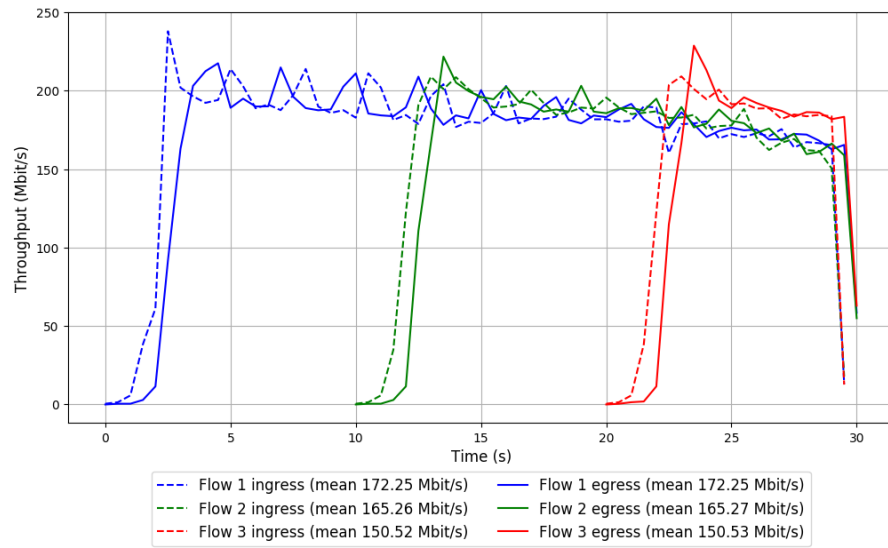
-- Flow 3:

Average throughput: 150.53 Mbit/s

95th percentile per-packet one-way delay: 139.435 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-31 13:08:04

End at: 2018-05-31 13:08:34

Local clock offset: -0.349 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-05-31 16:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.32 Mbit/s

95th percentile per-packet one-way delay: 137.507 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 173.19 Mbit/s

95th percentile per-packet one-way delay: 137.201 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.95 Mbit/s

95th percentile per-packet one-way delay: 137.401 ms

Loss rate: 0.00%

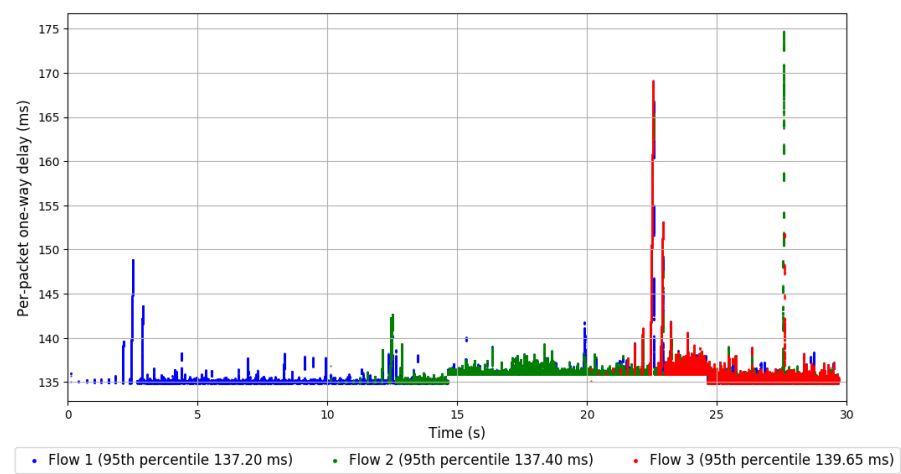
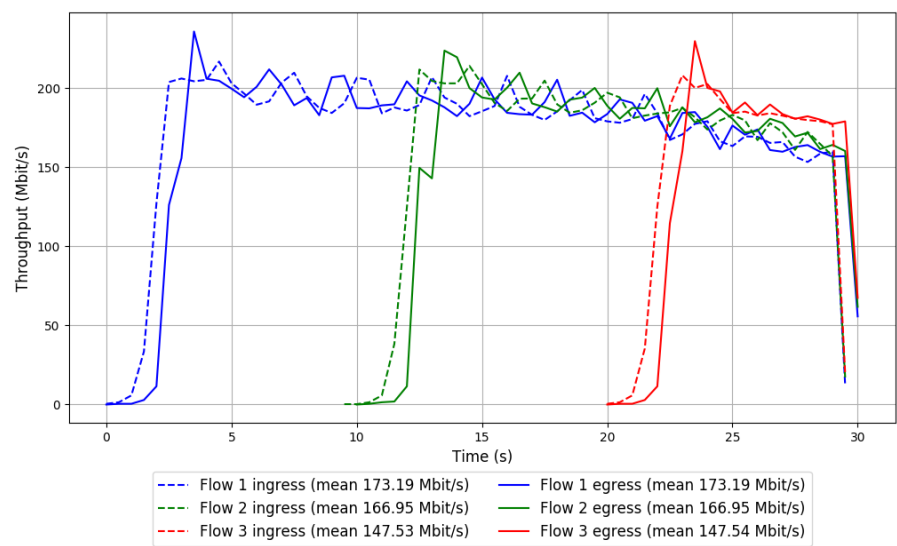
-- Flow 3:

Average throughput: 147.54 Mbit/s

95th percentile per-packet one-way delay: 139.647 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

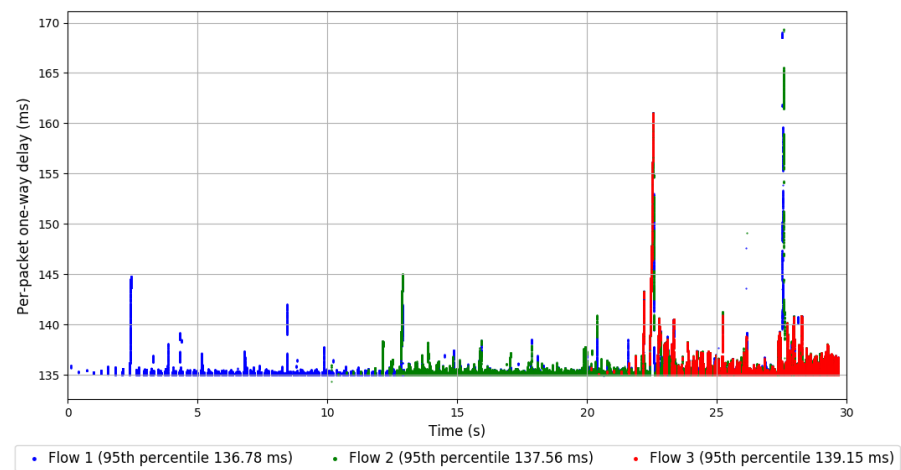
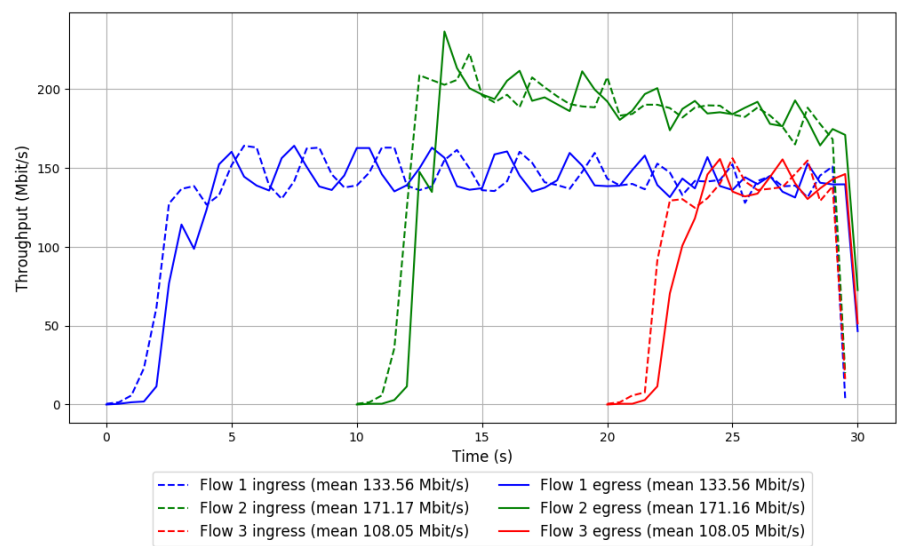


Run 7: Statistics of Indigo

Start at: 2018-05-31 13:33:41
End at: 2018-05-31 13:34:11
Local clock offset: 0.172 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.50 Mbit/s
95th percentile per-packet one-way delay: 137.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.56 Mbit/s
95th percentile per-packet one-way delay: 136.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.16 Mbit/s
95th percentile per-packet one-way delay: 137.563 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 108.05 Mbit/s
95th percentile per-packet one-way delay: 139.153 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

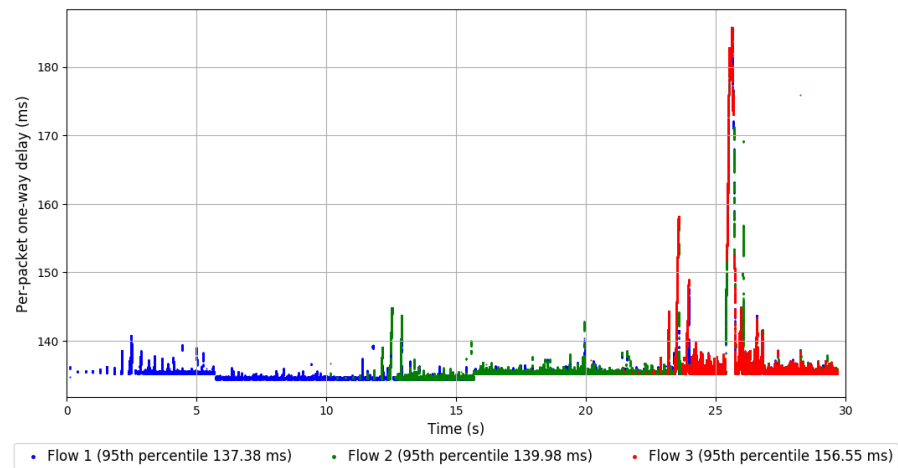
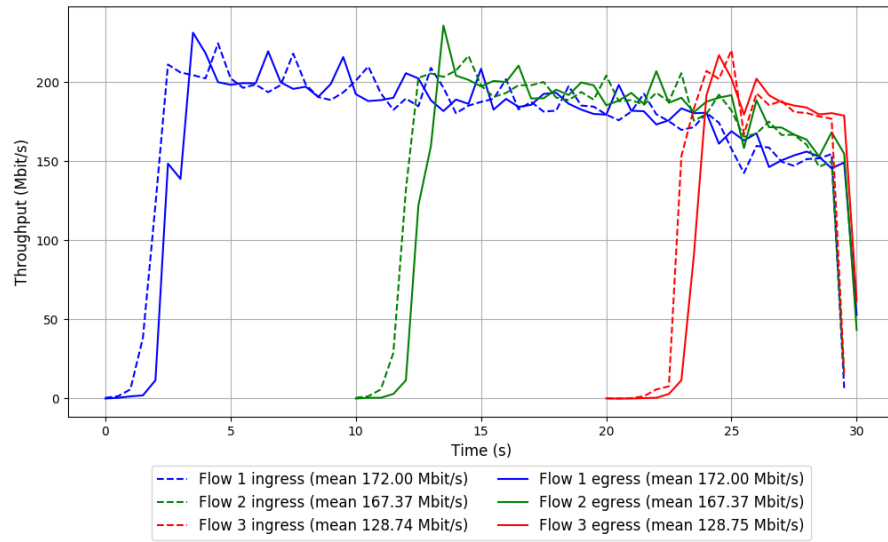


Run 8: Statistics of Indigo

Start at: 2018-05-31 13:58:33
End at: 2018-05-31 13:59:03
Local clock offset: -0.139 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.99 Mbit/s
95th percentile per-packet one-way delay: 139.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.00 Mbit/s
95th percentile per-packet one-way delay: 137.383 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 167.37 Mbit/s
95th percentile per-packet one-way delay: 139.980 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.75 Mbit/s
95th percentile per-packet one-way delay: 156.548 ms
Loss rate: 0.01%

Run 8: Report of Indigo — Data Link

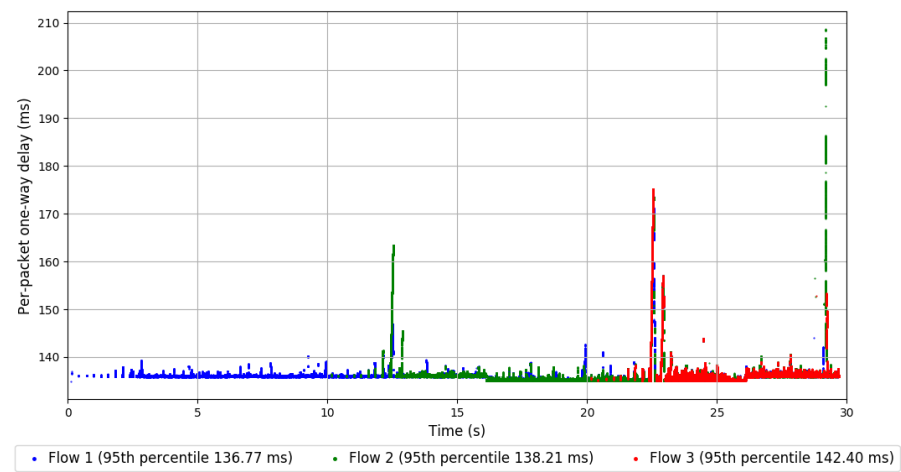
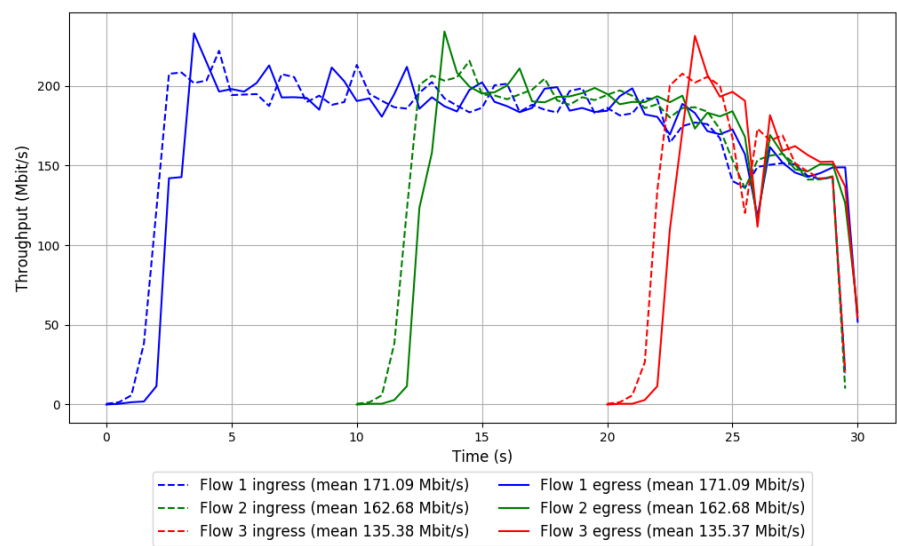


Run 9: Statistics of Indigo

Start at: 2018-05-31 14:24:03
End at: 2018-05-31 14:24:33
Local clock offset: -0.186 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.21 Mbit/s
95th percentile per-packet one-way delay: 137.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.09 Mbit/s
95th percentile per-packet one-way delay: 136.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.68 Mbit/s
95th percentile per-packet one-way delay: 138.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.37 Mbit/s
95th percentile per-packet one-way delay: 142.403 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

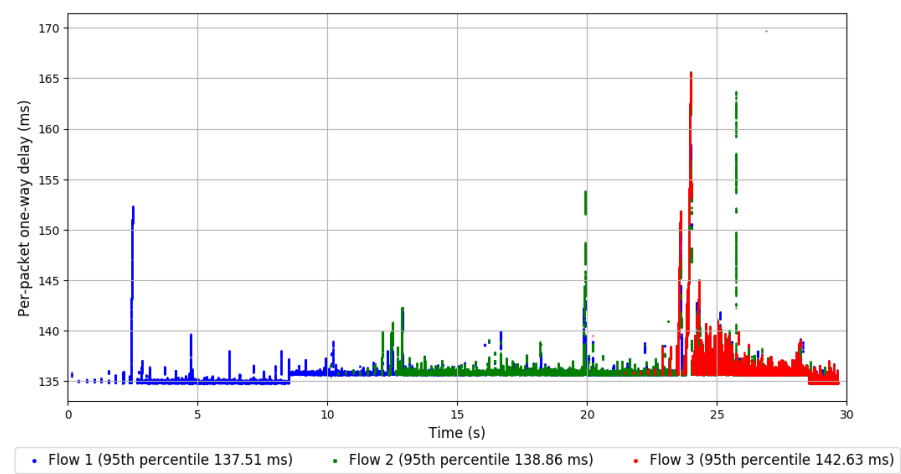
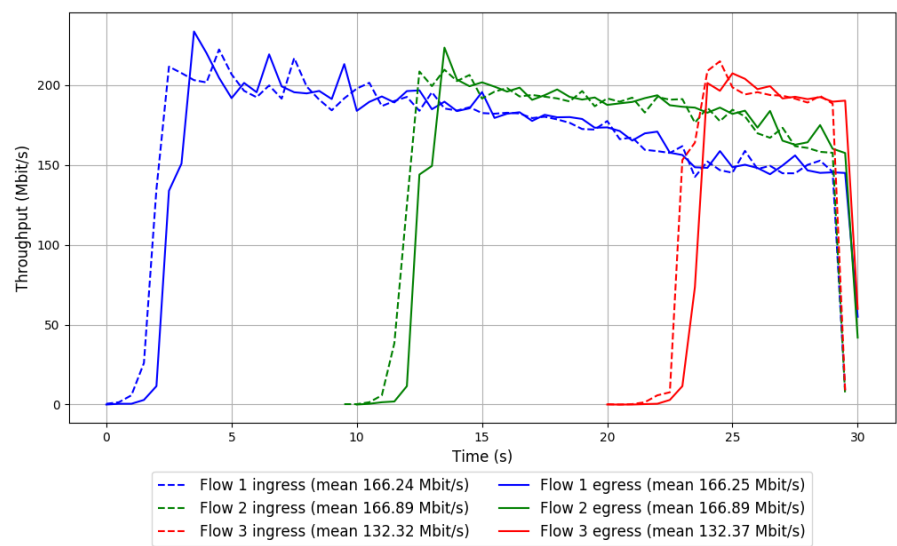


Run 10: Statistics of Indigo

Start at: 2018-05-31 14:49:30
End at: 2018-05-31 14:50:00
Local clock offset: -0.018 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.01 Mbit/s
95th percentile per-packet one-way delay: 138.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.25 Mbit/s
95th percentile per-packet one-way delay: 137.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.89 Mbit/s
95th percentile per-packet one-way delay: 138.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.37 Mbit/s
95th percentile per-packet one-way delay: 142.634 ms
Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

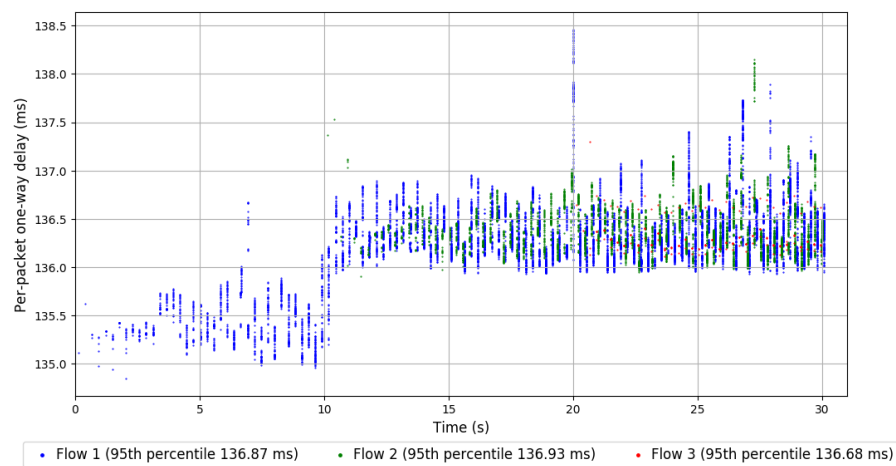
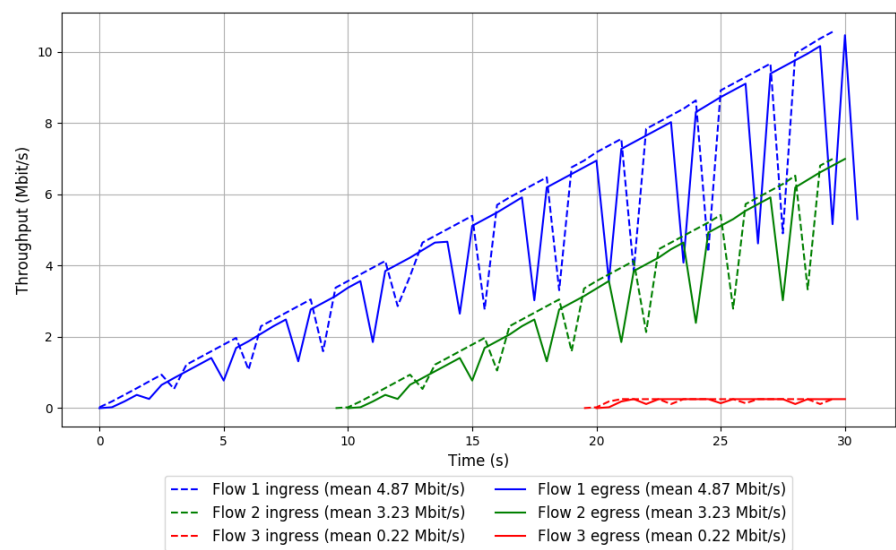


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-31 11:05:09
End at: 2018-05-31 11:05:39
Local clock offset: -0.393 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-05-31 16:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 136.877 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 136.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 136.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.682 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

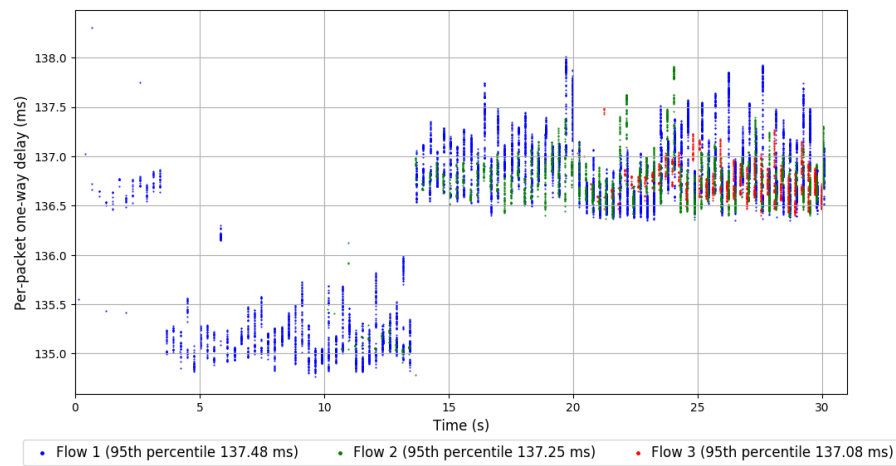
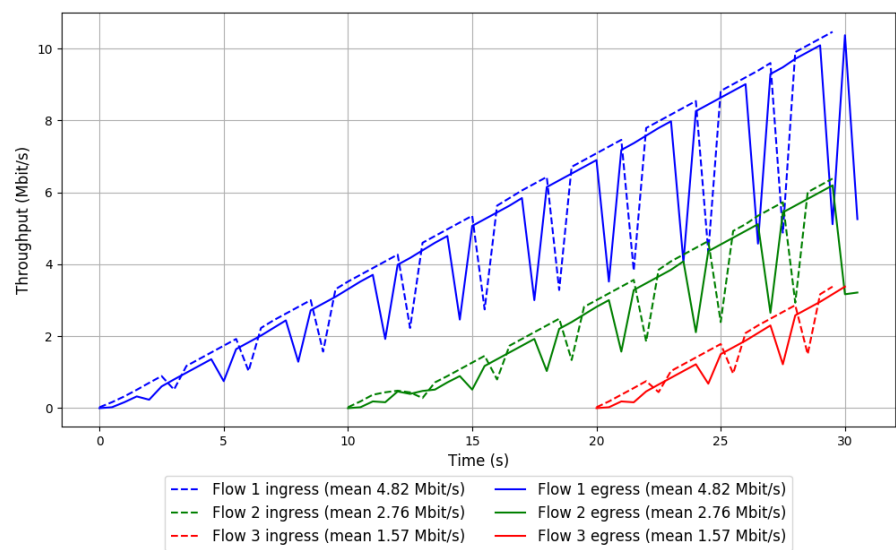


Run 2: Statistics of LEDBAT

Start at: 2018-05-31 11:29:56
End at: 2018-05-31 11:30:26
Local clock offset: -0.229 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 137.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.484 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 137.251 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 137.078 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

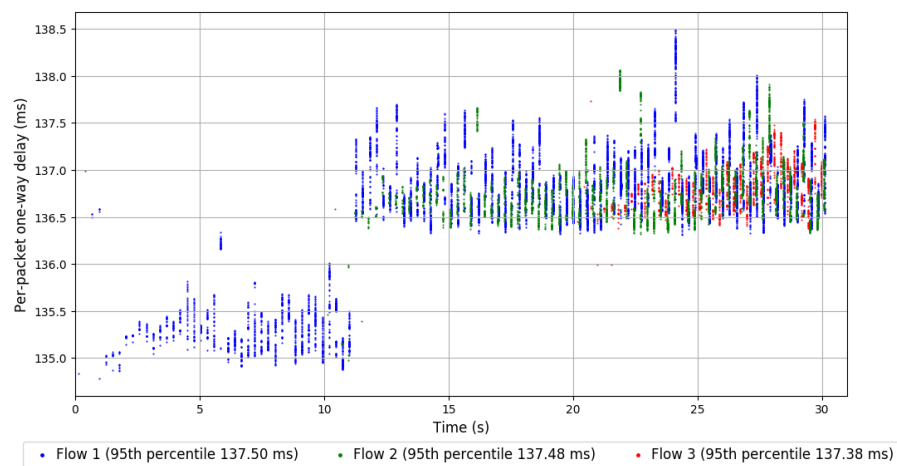
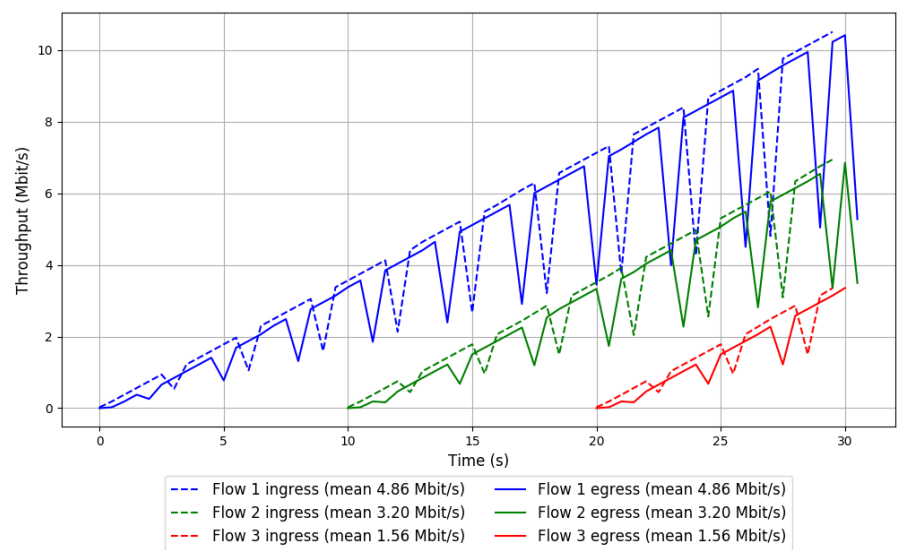


Run 3: Statistics of LEDBAT

Start at: 2018-05-31 11:54:48
End at: 2018-05-31 11:55:18
Local clock offset: -0.273 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 137.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 137.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 137.483 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 137.380 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

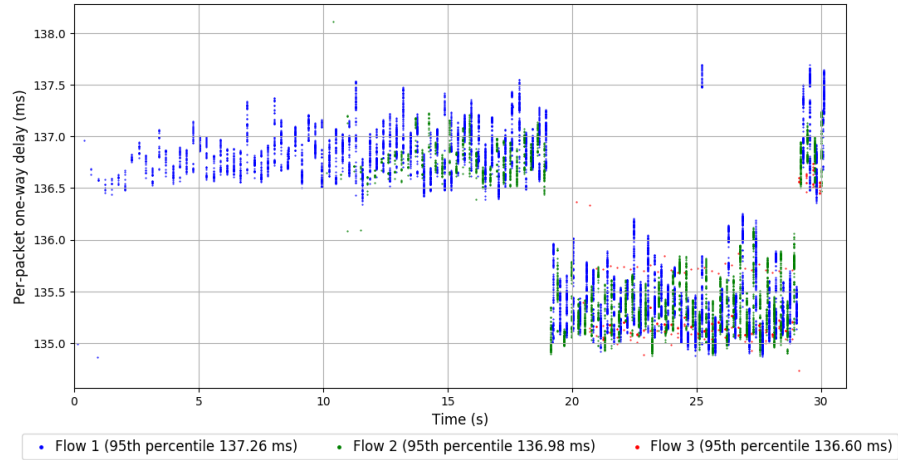
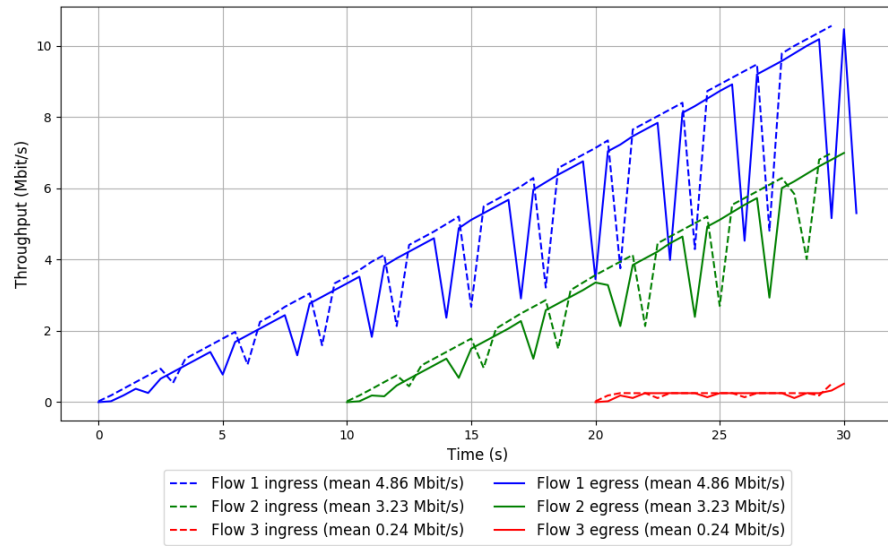


Run 4: Statistics of LEDBAT

Start at: 2018-05-31 12:19:40
End at: 2018-05-31 12:20:10
Local clock offset: -0.271 ms
Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-05-31 16:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 137.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 137.257 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 136.980 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 136.603 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-31 12:44:42

End at: 2018-05-31 12:45:12

Local clock offset: -0.212 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-05-31 16:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 136.703 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 136.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 136.493 ms

Loss rate: 0.00%

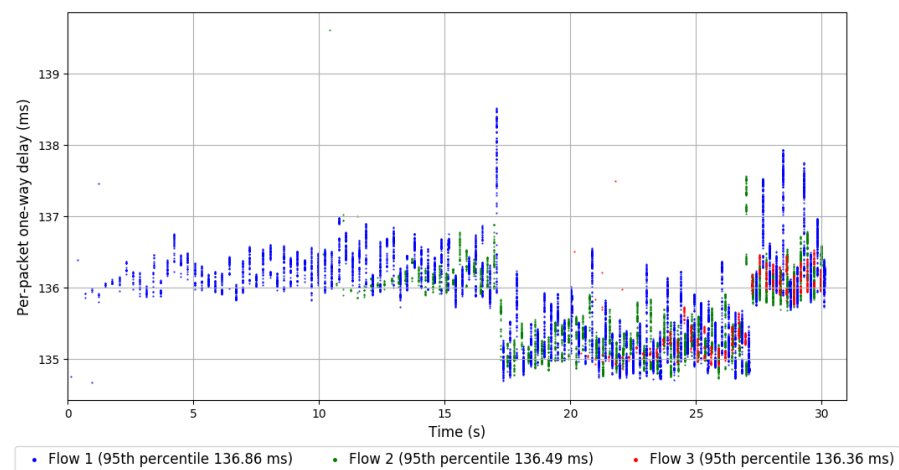
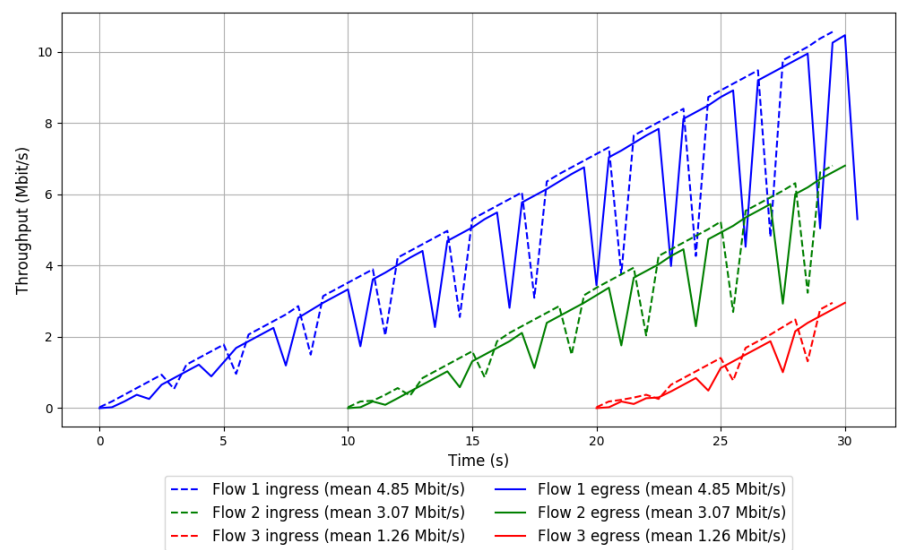
-- Flow 3:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 136.356 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-31 13:09:47

End at: 2018-05-31 13:10:17

Local clock offset: -0.158 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-05-31 16:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 136.778 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 136.899 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 136.599 ms

Loss rate: 0.00%

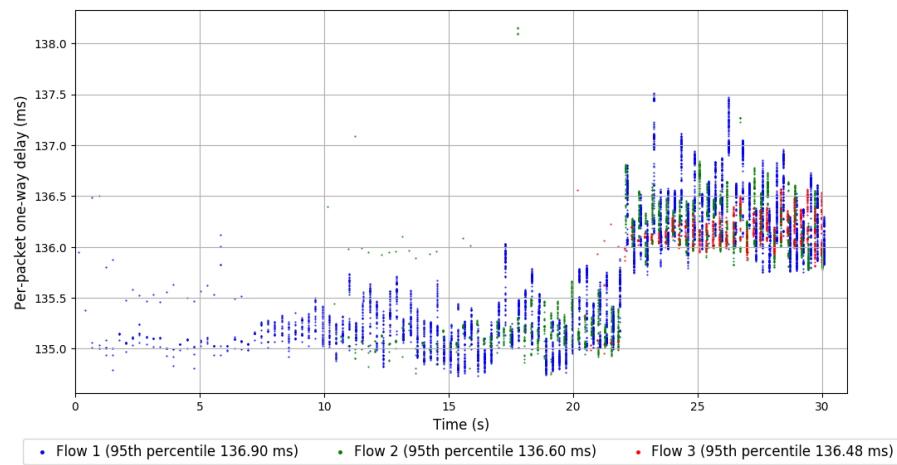
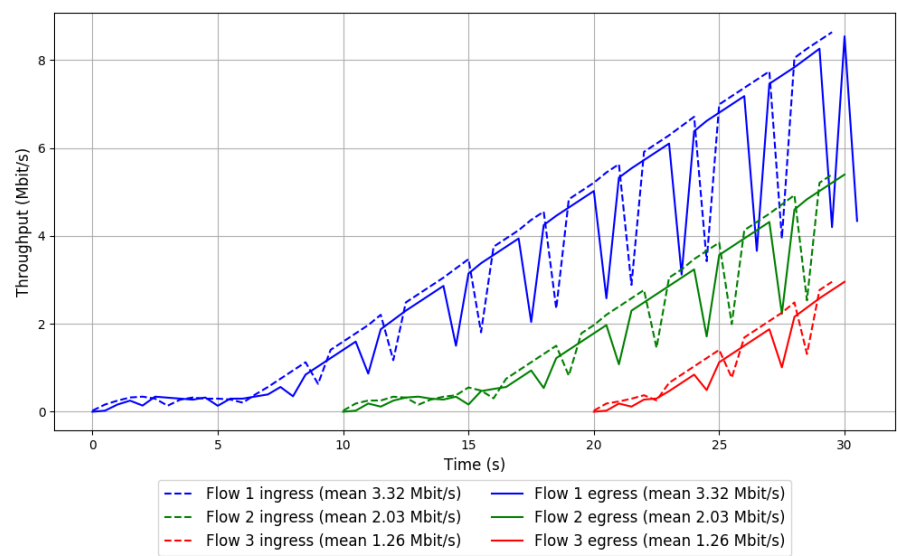
-- Flow 3:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 136.476 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-31 13:35:20

End at: 2018-05-31 13:35:50

Local clock offset: -0.064 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-31 16:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 136.574 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 136.587 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 136.455 ms

Loss rate: 0.00%

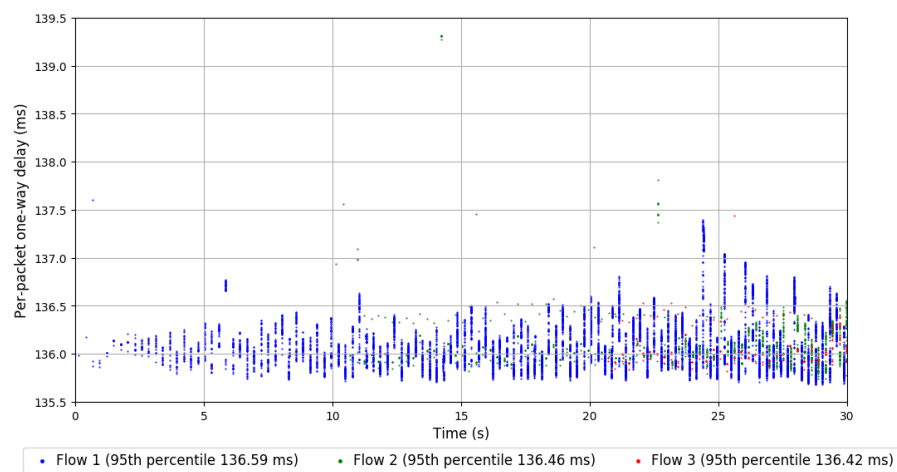
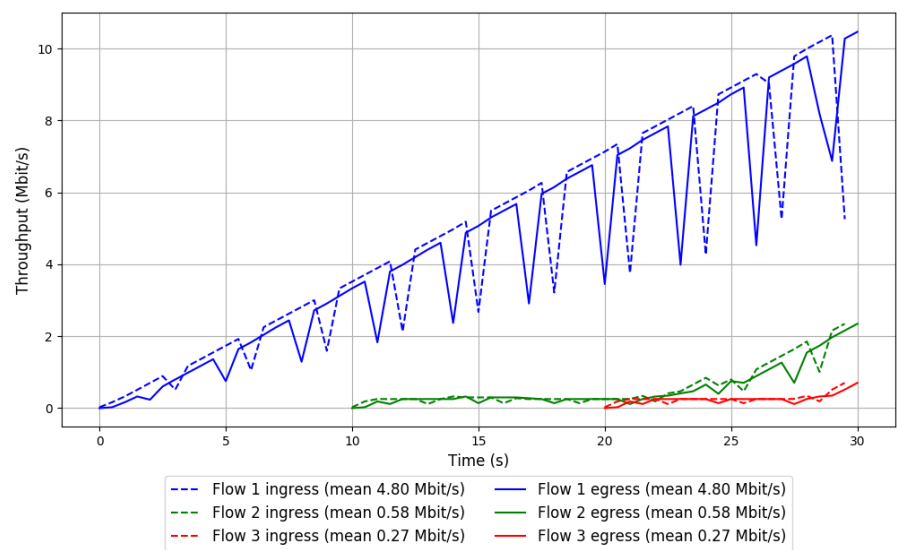
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 136.416 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-31 14:00:16

End at: 2018-05-31 14:00:46

Local clock offset: -0.01 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-05-31 16:21:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 137.347 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.68 Mbit/s

95th percentile per-packet one-way delay: 137.389 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 137.155 ms

Loss rate: 0.00%

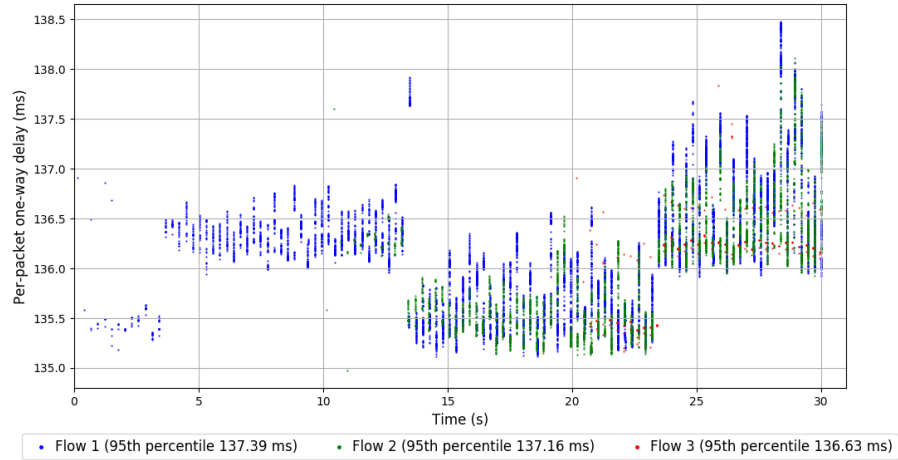
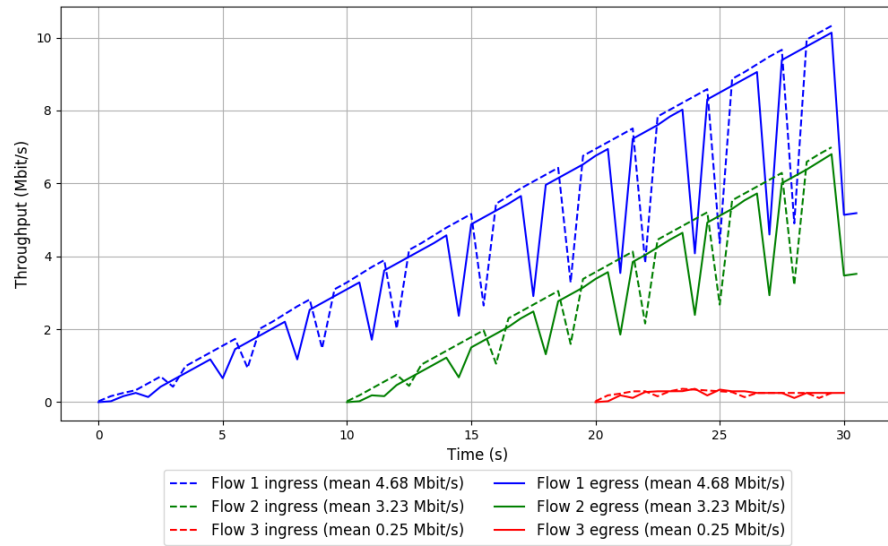
-- Flow 3:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 136.630 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

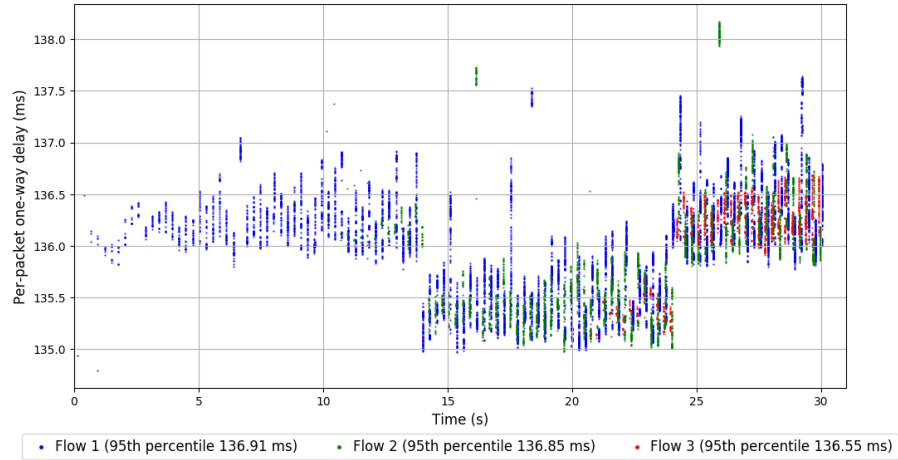
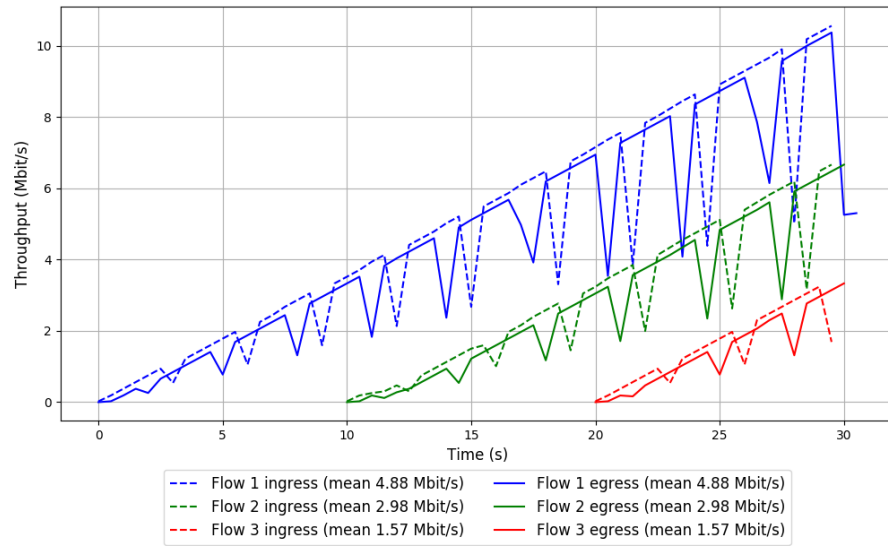


Run 9: Statistics of LEDBAT

Start at: 2018-05-31 14:25:45
End at: 2018-05-31 14:26:15
Local clock offset: -0.155 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-31 16:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 136.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 136.906 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 136.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 136.548 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-31 14:51:13

End at: 2018-05-31 14:51:43

Local clock offset: -0.151 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-05-31 16:21:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.37 Mbit/s

95th percentile per-packet one-way delay: 136.967 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 136.982 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 136.952 ms

Loss rate: 0.00%

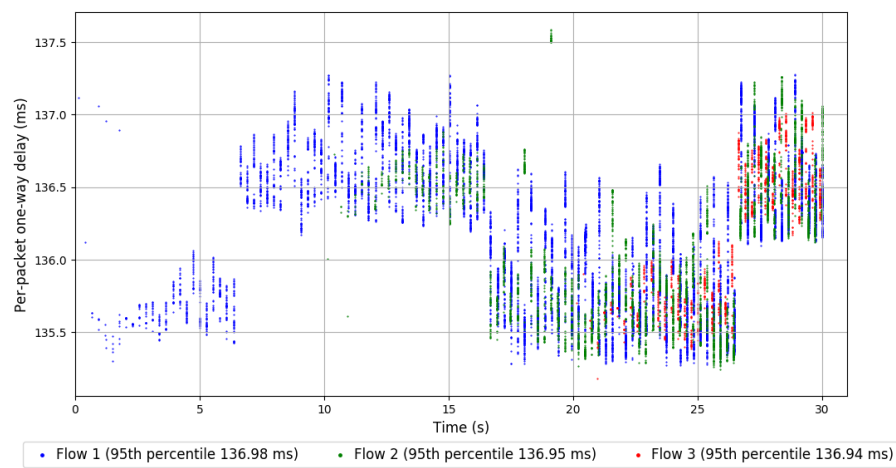
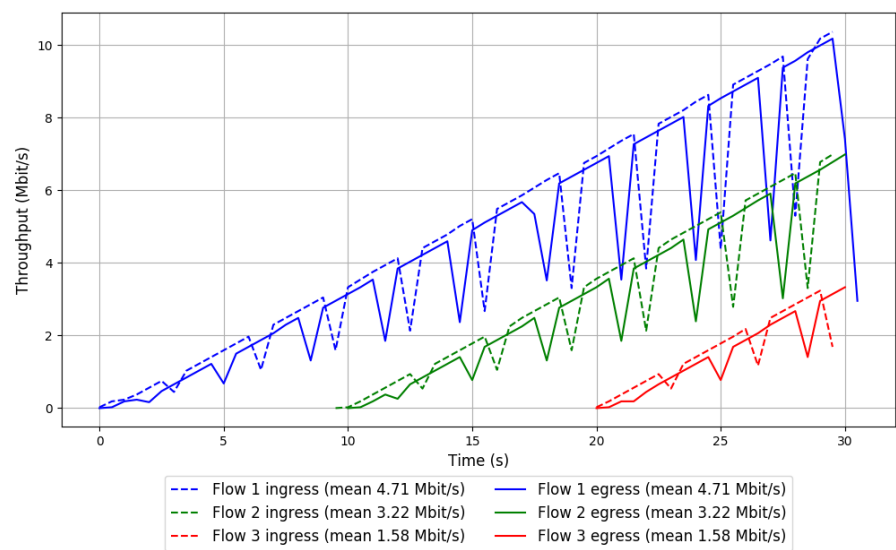
-- Flow 3:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 136.936 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

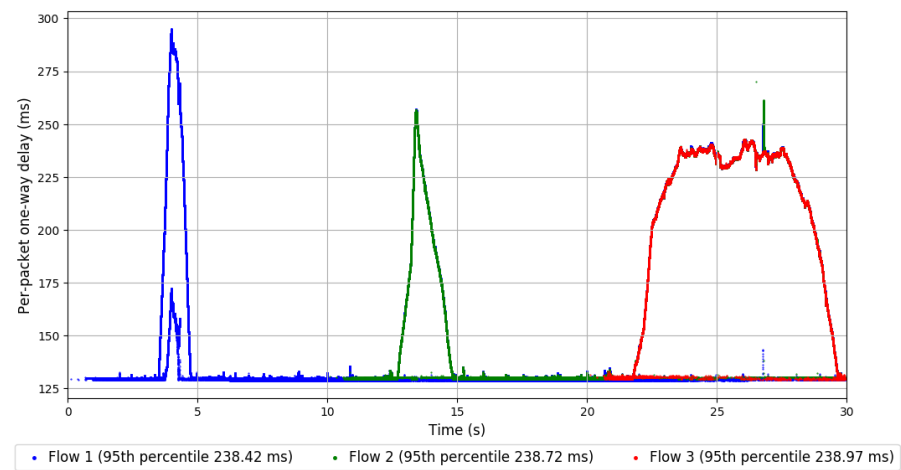
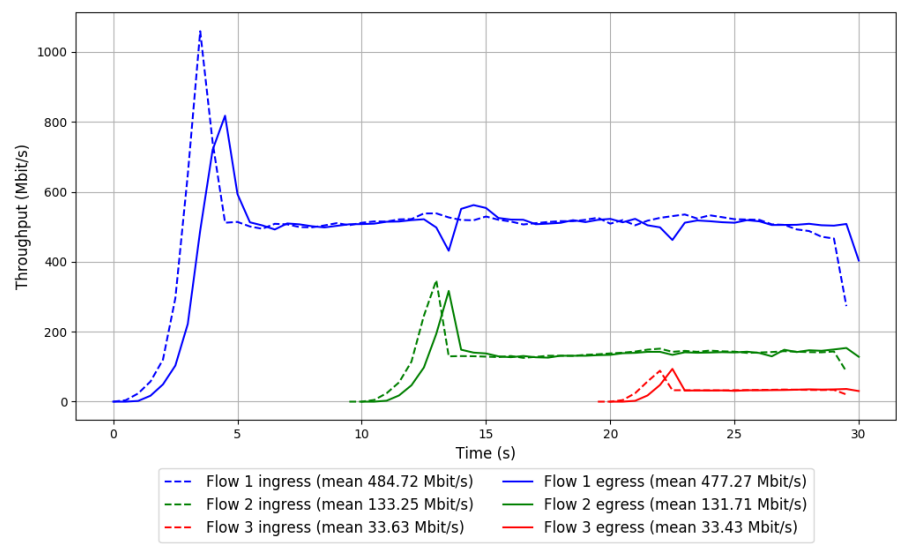


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-31 10:56:03
End at: 2018-05-31 10:56:33
Local clock offset: 5.912 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-05-31 16:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 575.96 Mbit/s
95th percentile per-packet one-way delay: 238.484 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 477.27 Mbit/s
95th percentile per-packet one-way delay: 238.422 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 131.71 Mbit/s
95th percentile per-packet one-way delay: 238.721 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 238.974 ms
Loss rate: 0.61%

Run 1: Report of PCC-Allegro — Data Link

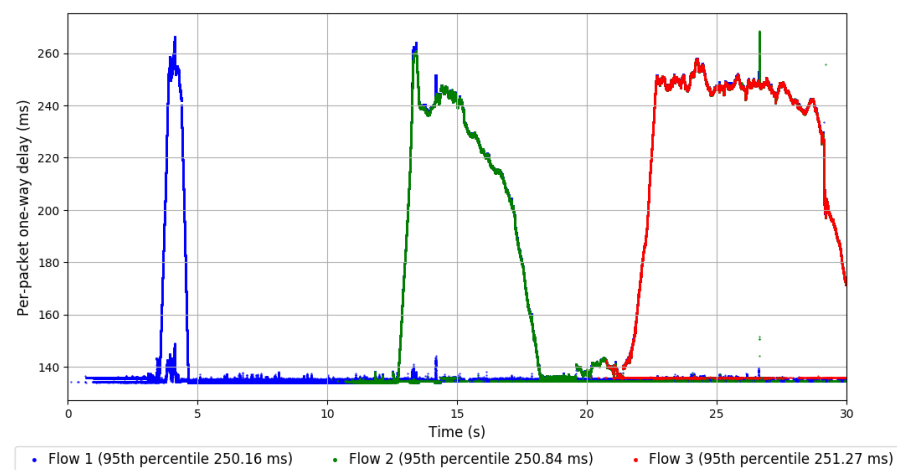
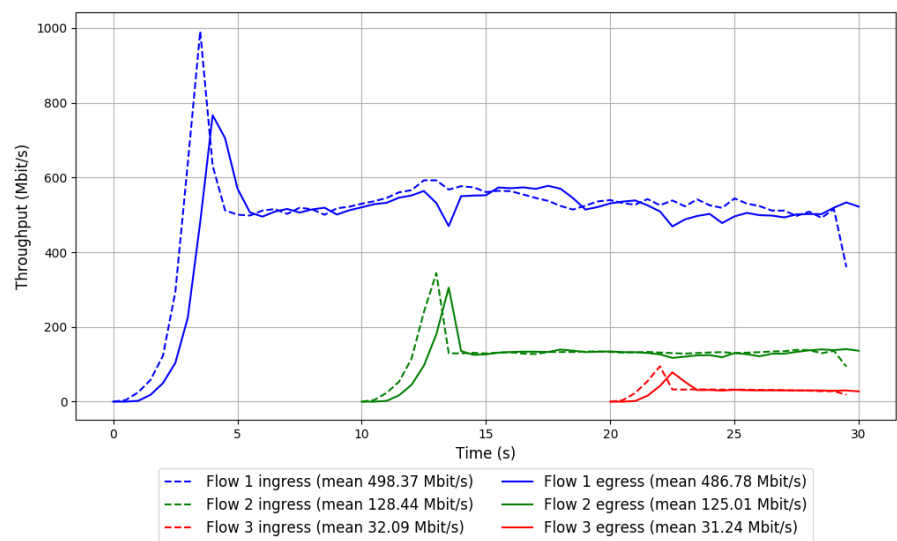


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-31 11:20:55
End at: 2018-05-31 11:21:25
Local clock offset: 0.199 ms
Remote clock offset: -0.708 ms

Below is generated by plot.py at 2018-05-31 16:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 580.14 Mbit/s
95th percentile per-packet one-way delay: 250.310 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 486.78 Mbit/s
95th percentile per-packet one-way delay: 250.157 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 125.01 Mbit/s
95th percentile per-packet one-way delay: 250.837 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 251.271 ms
Loss rate: 2.67%

Run 2: Report of PCC-Allegro — Data Link

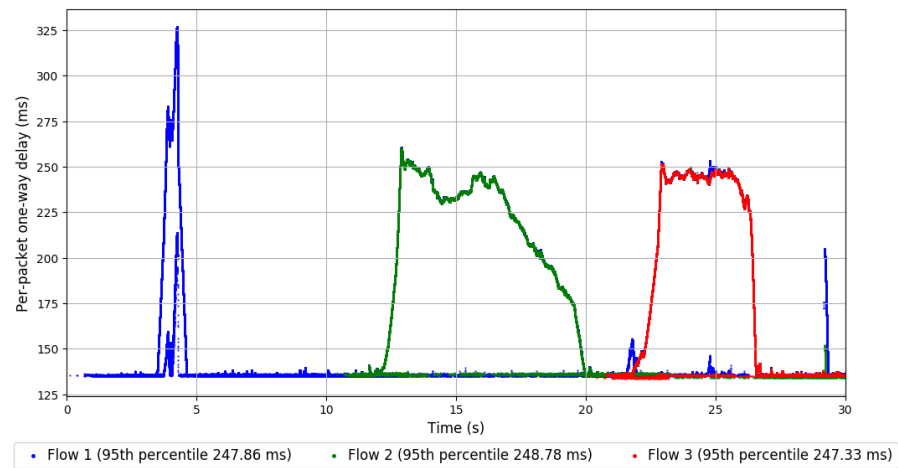
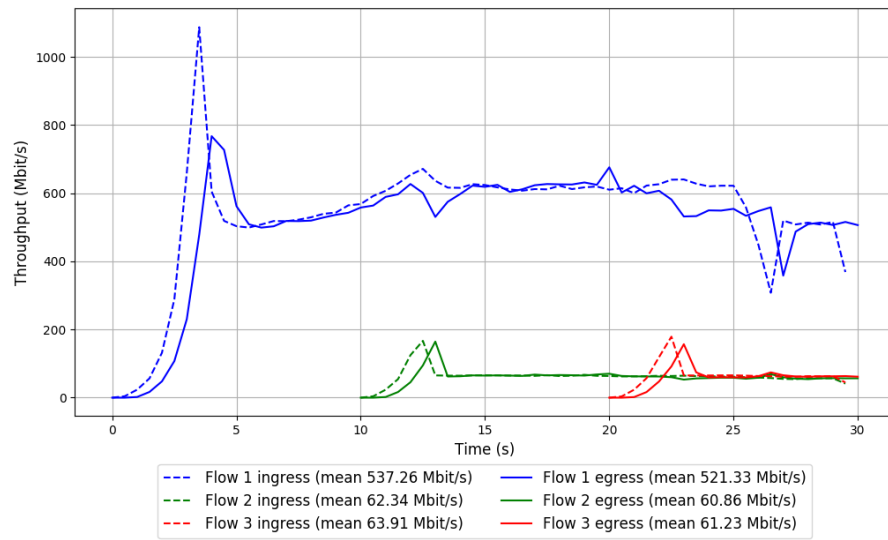


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-31 11:45:26
End at: 2018-05-31 11:45:56
Local clock offset: 0.087 ms
Remote clock offset: -0.762 ms

Below is generated by plot.py at 2018-05-31 16:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 581.88 Mbit/s
95th percentile per-packet one-way delay: 247.898 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 521.33 Mbit/s
95th percentile per-packet one-way delay: 247.858 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 248.778 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 247.328 ms
Loss rate: 4.19%

Run 3: Report of PCC-Allegro — Data Link

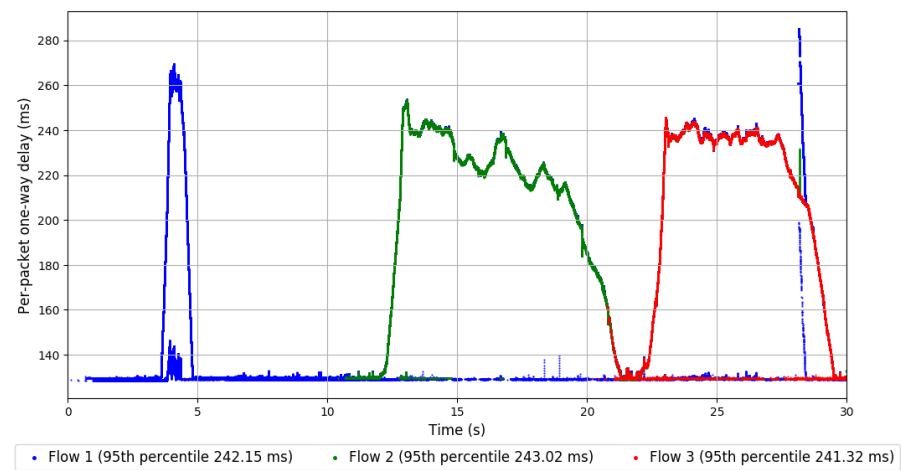
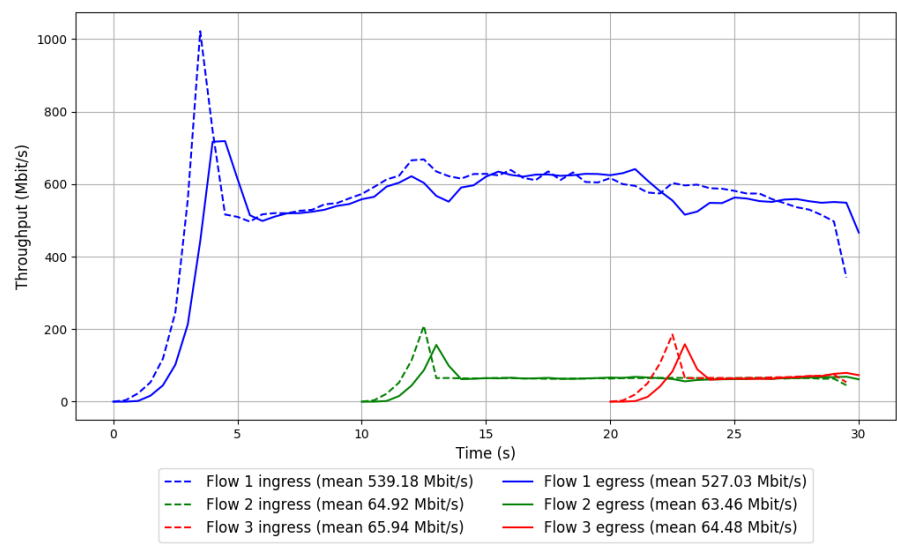


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-31 12:10:25
End at: 2018-05-31 12:10:55
Local clock offset: 6.158 ms
Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-05-31 16:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 590.36 Mbit/s
95th percentile per-packet one-way delay: 242.190 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 527.03 Mbit/s
95th percentile per-packet one-way delay: 242.153 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 243.019 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 64.48 Mbit/s
95th percentile per-packet one-way delay: 241.322 ms
Loss rate: 2.20%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-31 12:35:23

End at: 2018-05-31 12:35:53

Local clock offset: 5.828 ms

Remote clock offset: 0.542 ms

Below is generated by plot.py at 2018-05-31 16:21:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 588.29 Mbit/s

95th percentile per-packet one-way delay: 234.534 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 501.08 Mbit/s

95th percentile per-packet one-way delay: 234.363 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 128.91 Mbit/s

95th percentile per-packet one-way delay: 235.169 ms

Loss rate: 1.27%

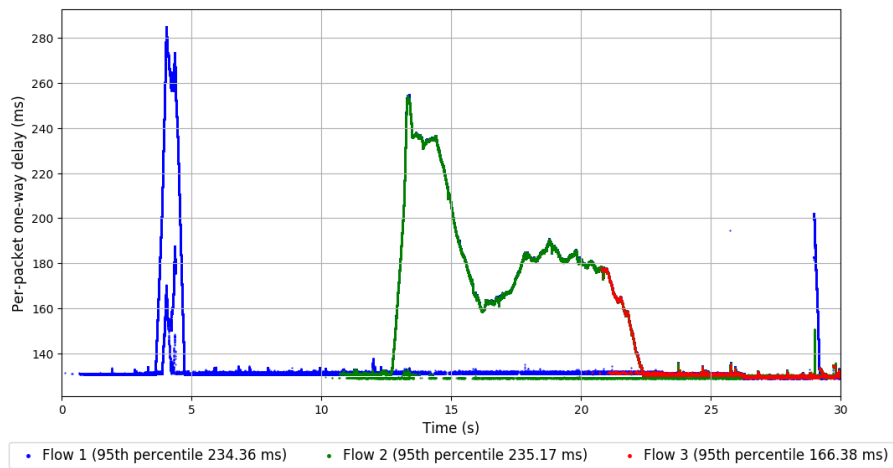
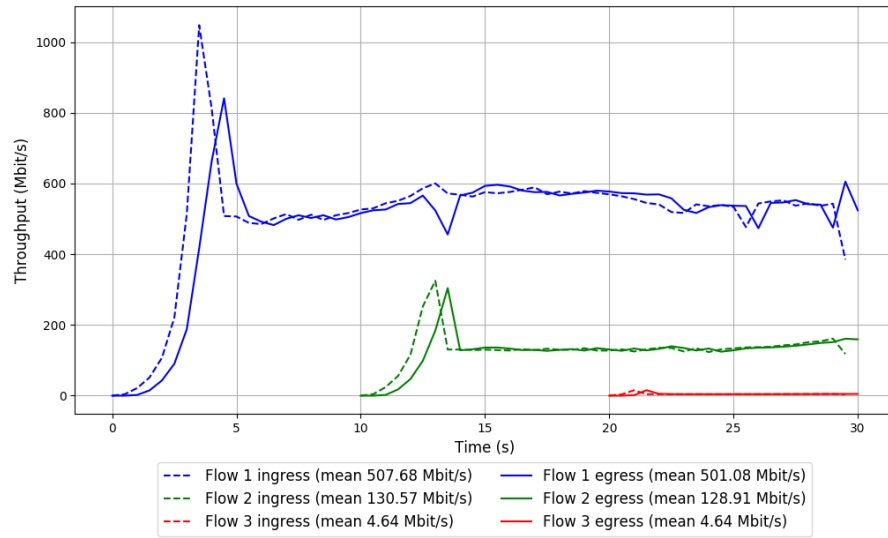
-- Flow 3:

Average throughput: 4.64 Mbit/s

95th percentile per-packet one-way delay: 166.381 ms

Loss rate: 0.03%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-31 13:00:23

End at: 2018-05-31 13:00:53

Local clock offset: -0.211 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-05-31 16:21:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 559.71 Mbit/s

95th percentile per-packet one-way delay: 242.696 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 450.66 Mbit/s

95th percentile per-packet one-way delay: 242.598 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 132.13 Mbit/s

95th percentile per-packet one-way delay: 242.818 ms

Loss rate: 1.23%

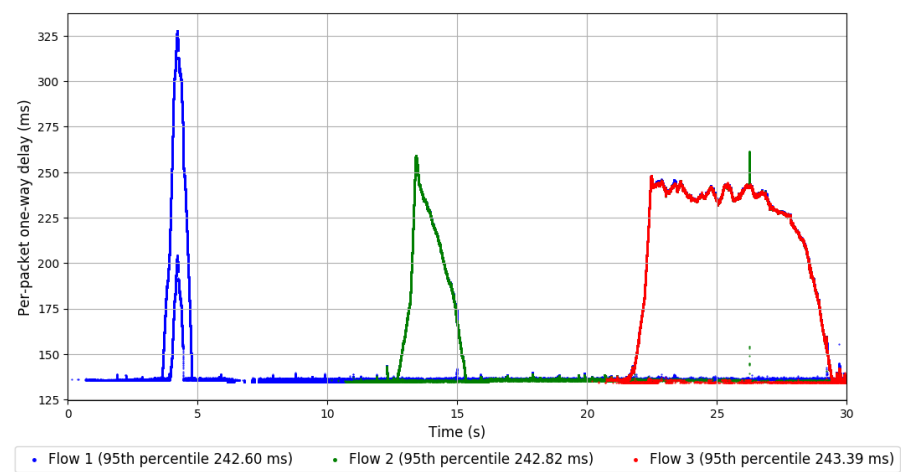
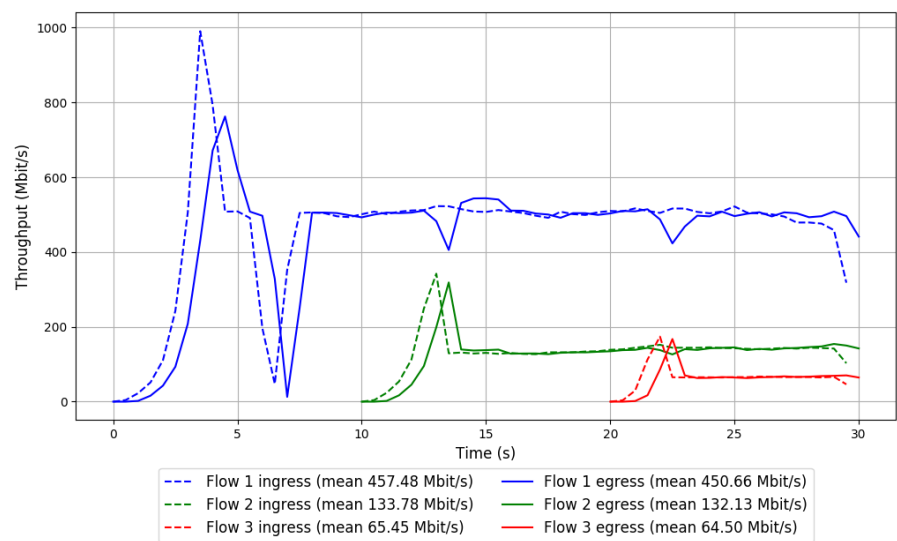
-- Flow 3:

Average throughput: 64.50 Mbit/s

95th percentile per-packet one-way delay: 243.386 ms

Loss rate: 1.45%

Run 6: Report of PCC-Allegro — Data Link

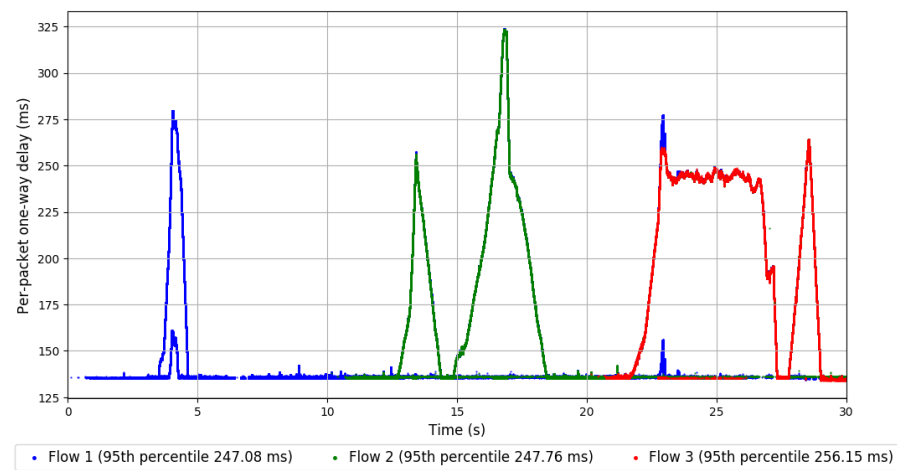
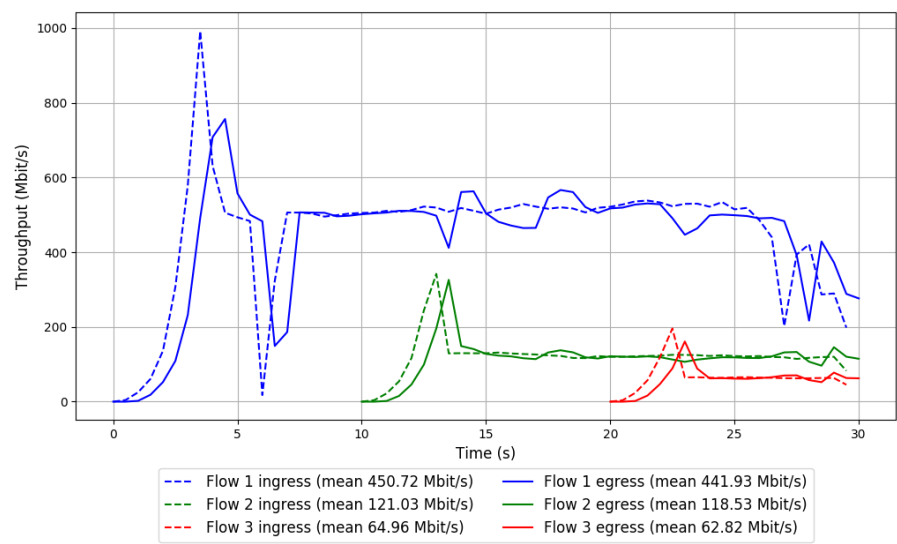


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-31 13:25:41
End at: 2018-05-31 13:26:11
Local clock offset: 0.214 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-31 16:26:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 541.36 Mbit/s
95th percentile per-packet one-way delay: 247.321 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 441.93 Mbit/s
95th percentile per-packet one-way delay: 247.079 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 118.53 Mbit/s
95th percentile per-packet one-way delay: 247.764 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 62.82 Mbit/s
95th percentile per-packet one-way delay: 256.148 ms
Loss rate: 3.33%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-31 13:51:06

End at: 2018-05-31 13:51:36

Local clock offset: -0.267 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2018-05-31 16:26:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 572.01 Mbit/s

95th percentile per-packet one-way delay: 250.384 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 518.86 Mbit/s

95th percentile per-packet one-way delay: 250.384 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 63.77 Mbit/s

95th percentile per-packet one-way delay: 250.212 ms

Loss rate: 0.78%

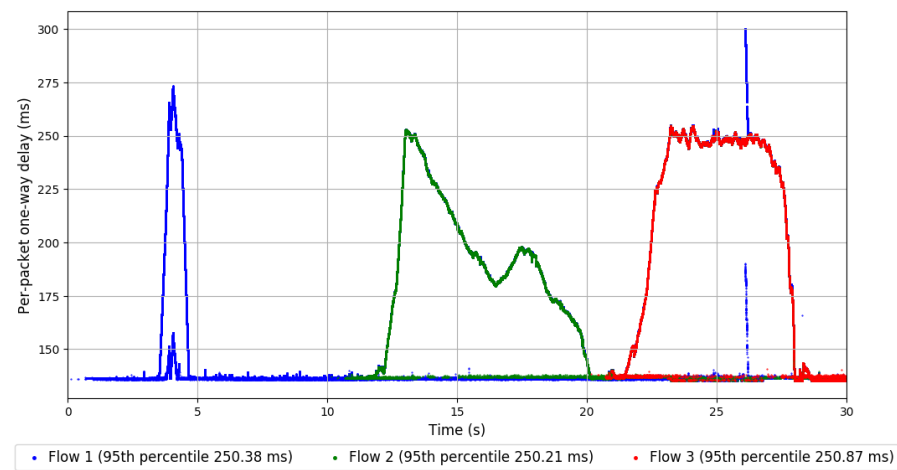
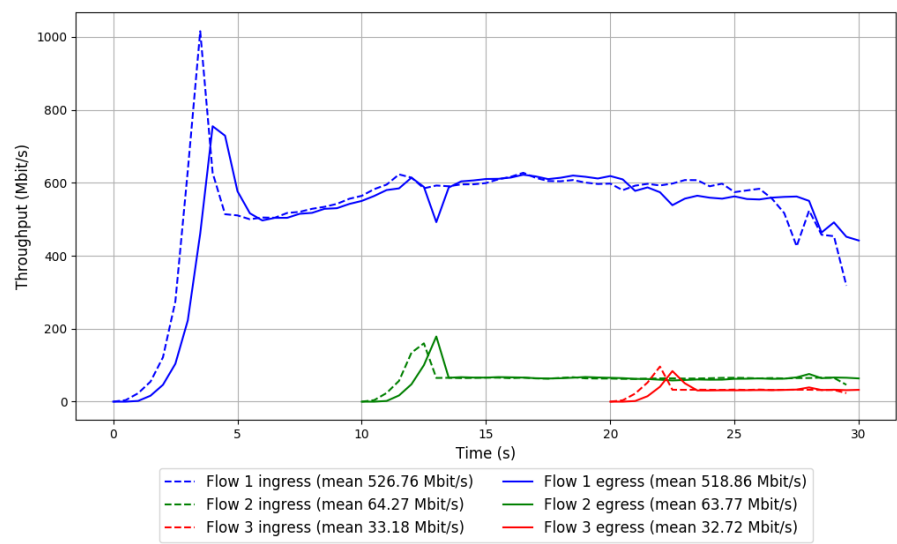
-- Flow 3:

Average throughput: 32.72 Mbit/s

95th percentile per-packet one-way delay: 250.867 ms

Loss rate: 1.42%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-31 14:16:07

End at: 2018-05-31 14:16:37

Local clock offset: -0.299 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-31 16:27:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 586.76 Mbit/s

95th percentile per-packet one-way delay: 245.334 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 483.96 Mbit/s

95th percentile per-packet one-way delay: 245.182 ms

Loss rate: 1.82%

-- Flow 2:

Average throughput: 123.44 Mbit/s

95th percentile per-packet one-way delay: 246.198 ms

Loss rate: 2.26%

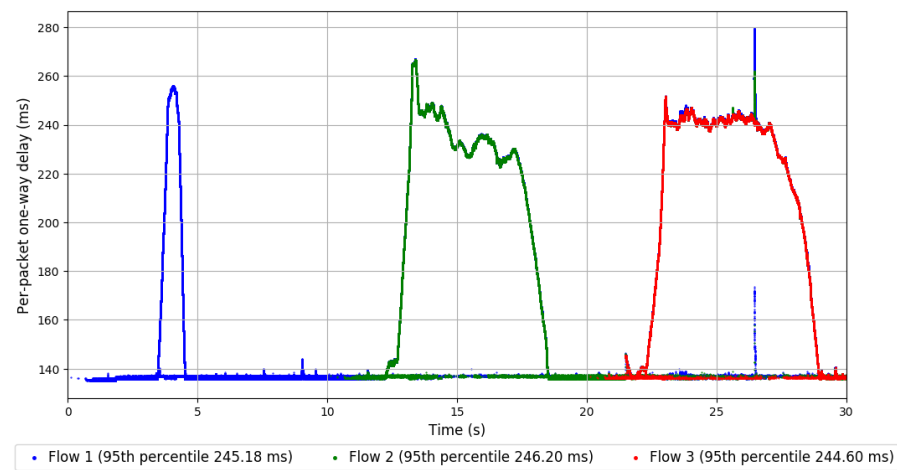
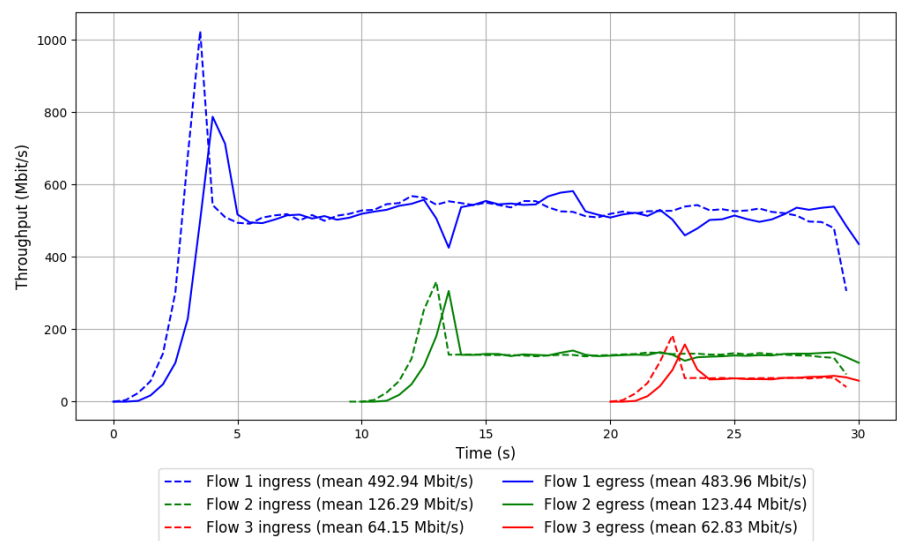
-- Flow 3:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 244.601 ms

Loss rate: 2.05%

Run 9: Report of PCC-Allegro — Data Link

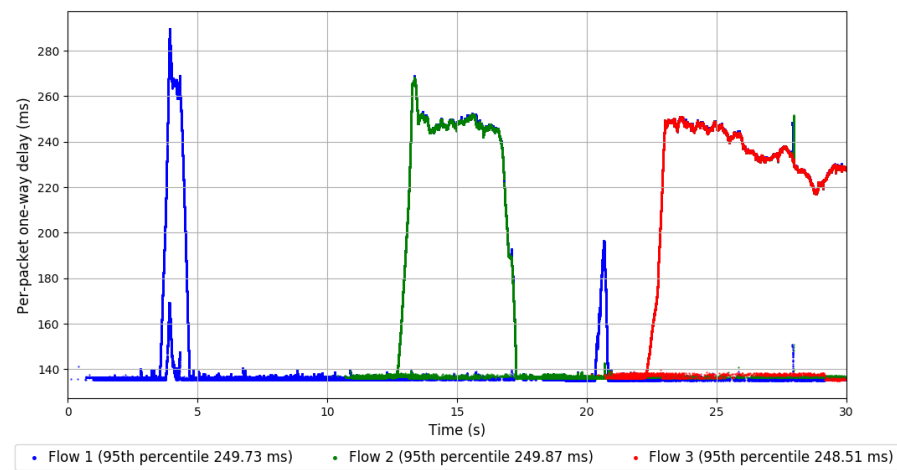
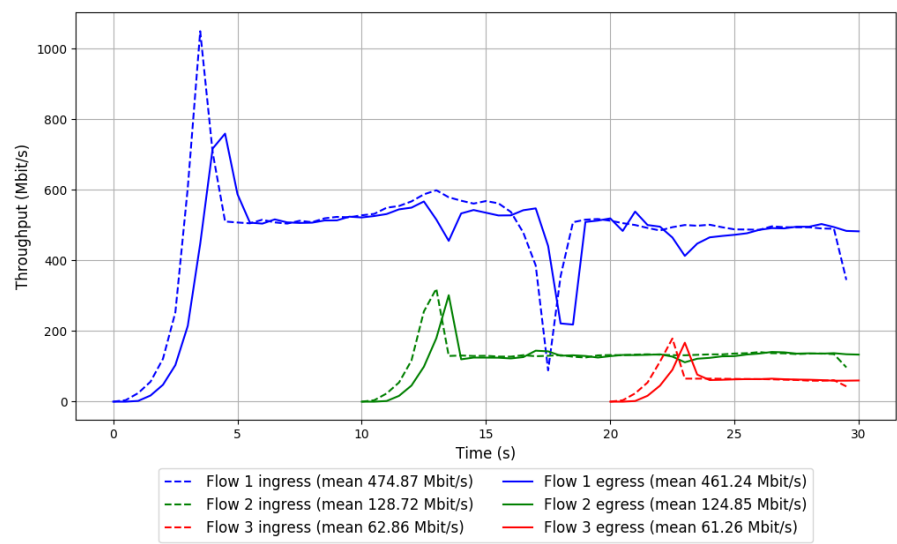


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-31 14:41:30
End at: 2018-05-31 14:42:00
Local clock offset: -0.429 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-31 16:29:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.40 Mbit/s
95th percentile per-packet one-way delay: 249.687 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 461.24 Mbit/s
95th percentile per-packet one-way delay: 249.733 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 124.85 Mbit/s
95th percentile per-packet one-way delay: 249.867 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 61.26 Mbit/s
95th percentile per-packet one-way delay: 248.512 ms
Loss rate: 2.55%

Run 10: Report of PCC-Allegro — Data Link

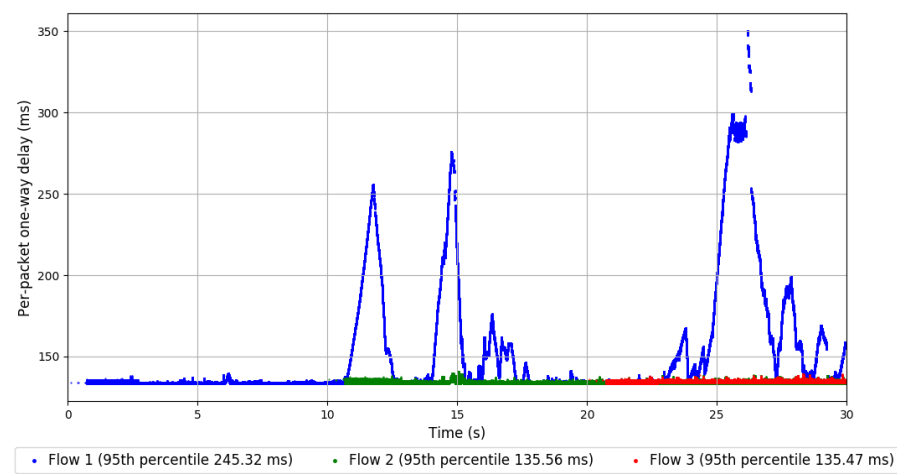
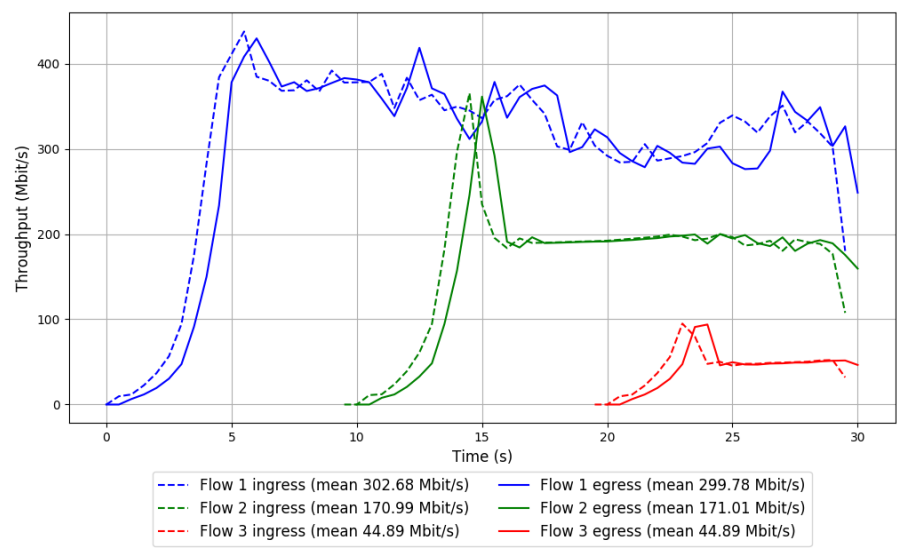


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-31 11:09:16
End at: 2018-05-31 11:09:46
Local clock offset: 1.137 ms
Remote clock offset: -0.309 ms

# Below is generated by plot.py at 2018-05-31 16:33:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.63 Mbit/s
95th percentile per-packet one-way delay: 225.278 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 299.78 Mbit/s
95th percentile per-packet one-way delay: 245.320 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 171.01 Mbit/s
95th percentile per-packet one-way delay: 135.565 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.89 Mbit/s
95th percentile per-packet one-way delay: 135.473 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

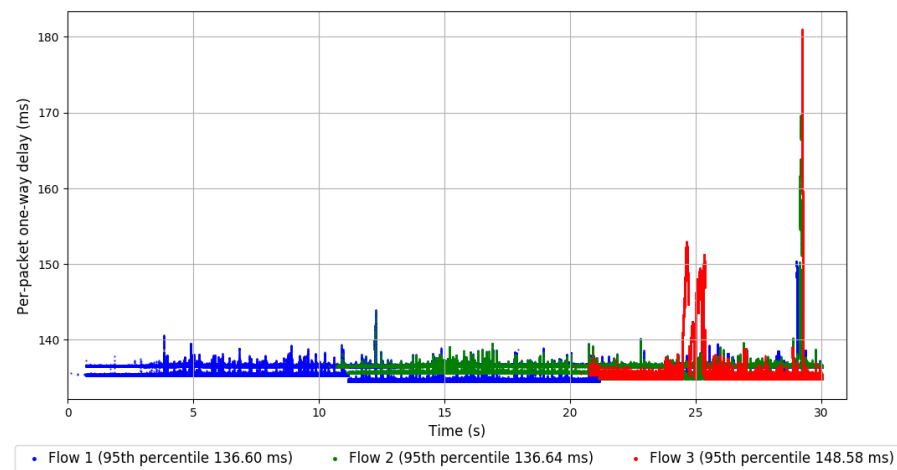
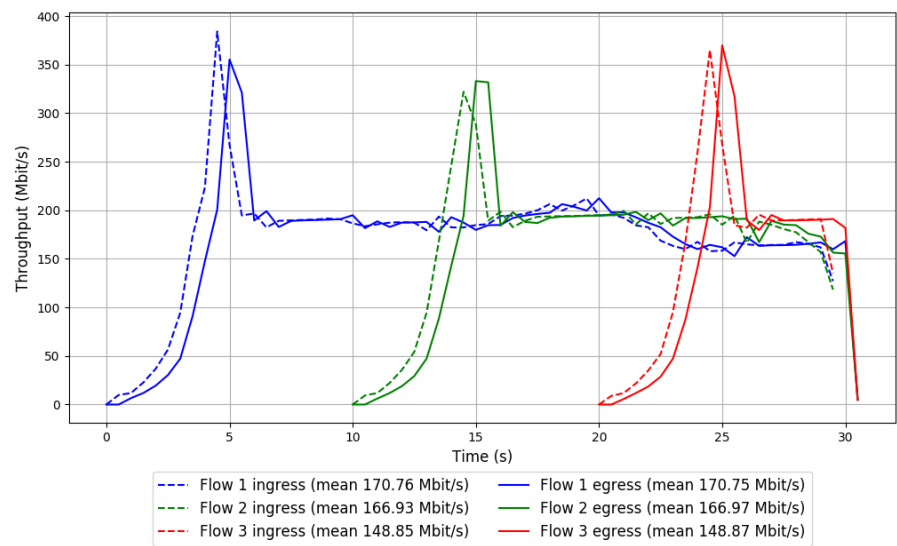


Run 2: Statistics of PCC-Expr

Start at: 2018-05-31 11:33:58
End at: 2018-05-31 11:34:28
Local clock offset: -0.266 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-05-31 16:33:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.85 Mbit/s
95th percentile per-packet one-way delay: 136.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.75 Mbit/s
95th percentile per-packet one-way delay: 136.598 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.97 Mbit/s
95th percentile per-packet one-way delay: 136.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 148.584 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

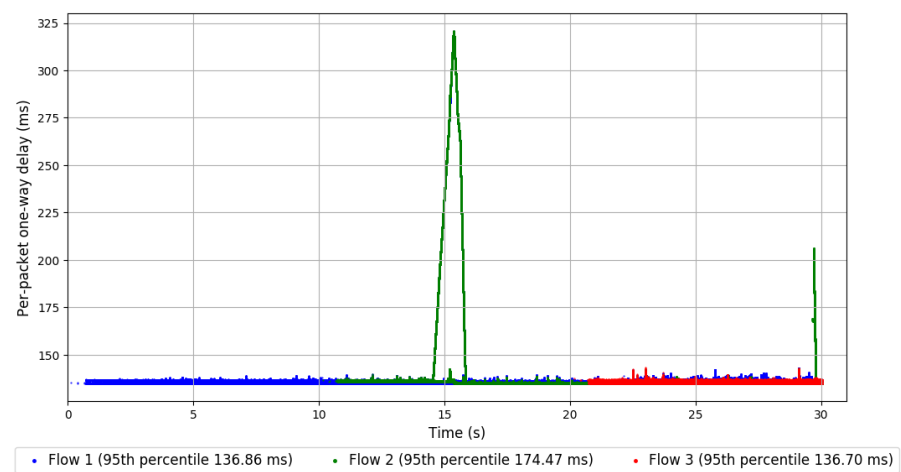
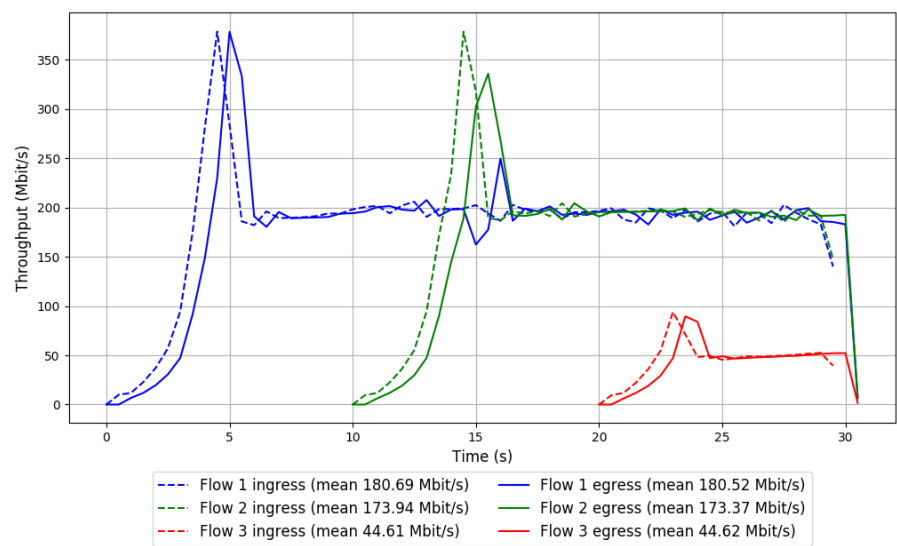


Run 3: Statistics of PCC-Expr

Start at: 2018-05-31 11:59:04
End at: 2018-05-31 11:59:34
Local clock offset: -0.366 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-05-31 16:33:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.50 Mbit/s
95th percentile per-packet one-way delay: 137.247 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 180.52 Mbit/s
95th percentile per-packet one-way delay: 136.860 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 173.37 Mbit/s
95th percentile per-packet one-way delay: 174.465 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 136.701 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-31 12:23:43

End at: 2018-05-31 12:24:13

Local clock offset: 6.066 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-05-31 16:36:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 442.13 Mbit/s

95th percentile per-packet one-way delay: 188.835 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 311.70 Mbit/s

95th percentile per-packet one-way delay: 195.699 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 173.75 Mbit/s

95th percentile per-packet one-way delay: 132.255 ms

Loss rate: 0.00%

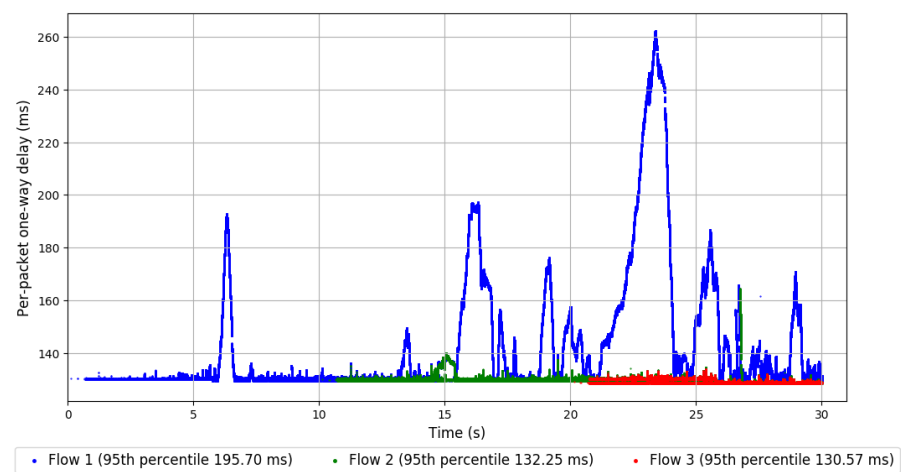
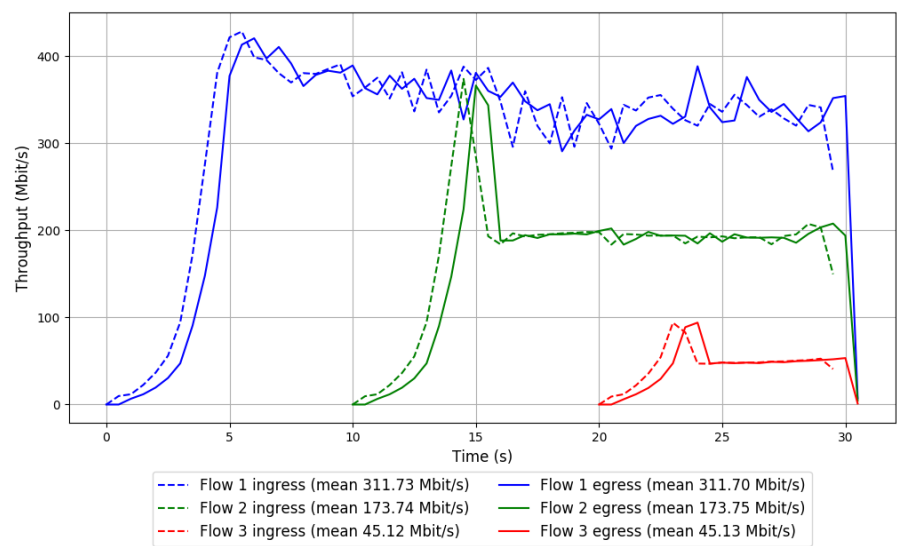
-- Flow 3:

Average throughput: 45.13 Mbit/s

95th percentile per-packet one-way delay: 130.569 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-31 12:48:55

End at: 2018-05-31 12:49:25

Local clock offset: -0.256 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-05-31 16:36:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 265.03 Mbit/s

95th percentile per-packet one-way delay: 135.992 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 183.56 Mbit/s

95th percentile per-packet one-way delay: 136.004 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.26 Mbit/s

95th percentile per-packet one-way delay: 135.955 ms

Loss rate: 0.00%

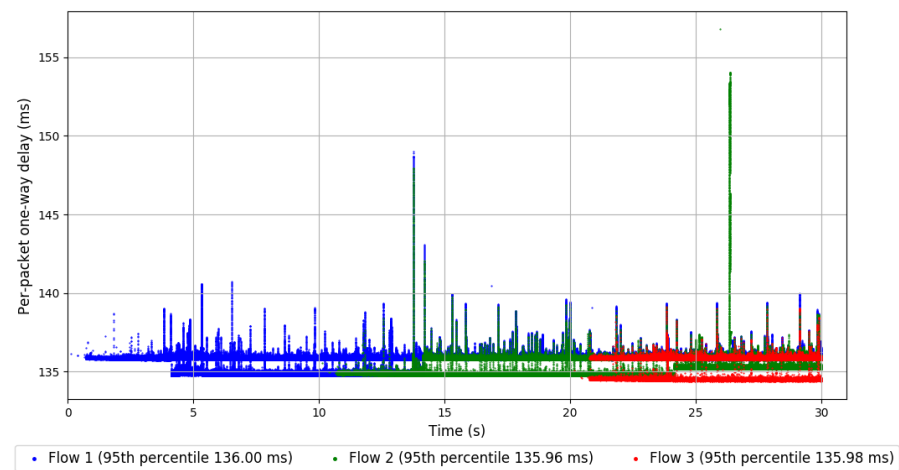
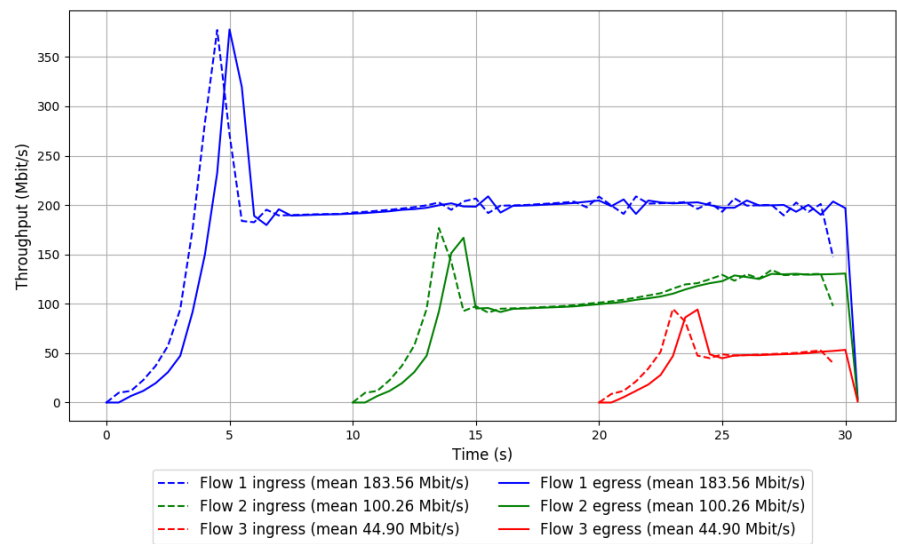
-- Flow 3:

Average throughput: 44.90 Mbit/s

95th percentile per-packet one-way delay: 135.984 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-31 13:14:02

End at: 2018-05-31 13:14:32

Local clock offset: 0.114 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-05-31 16:40:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.67 Mbit/s

95th percentile per-packet one-way delay: 208.593 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 268.32 Mbit/s

95th percentile per-packet one-way delay: 214.446 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 172.13 Mbit/s

95th percentile per-packet one-way delay: 136.254 ms

Loss rate: 0.00%

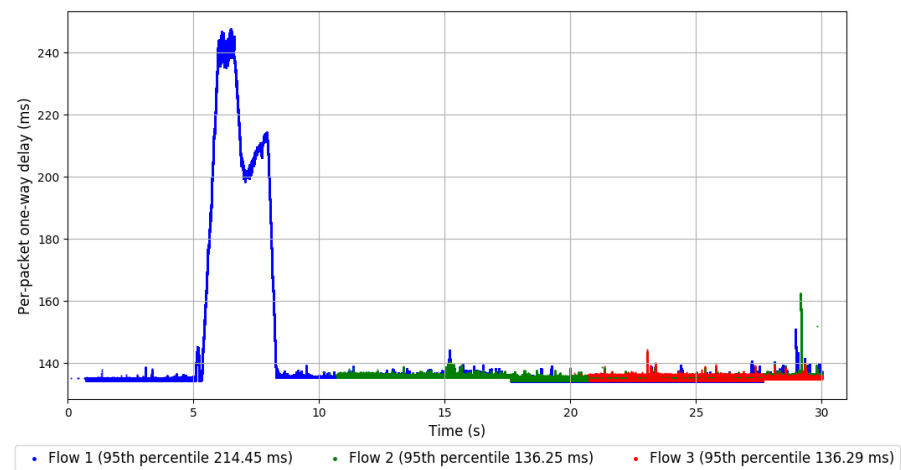
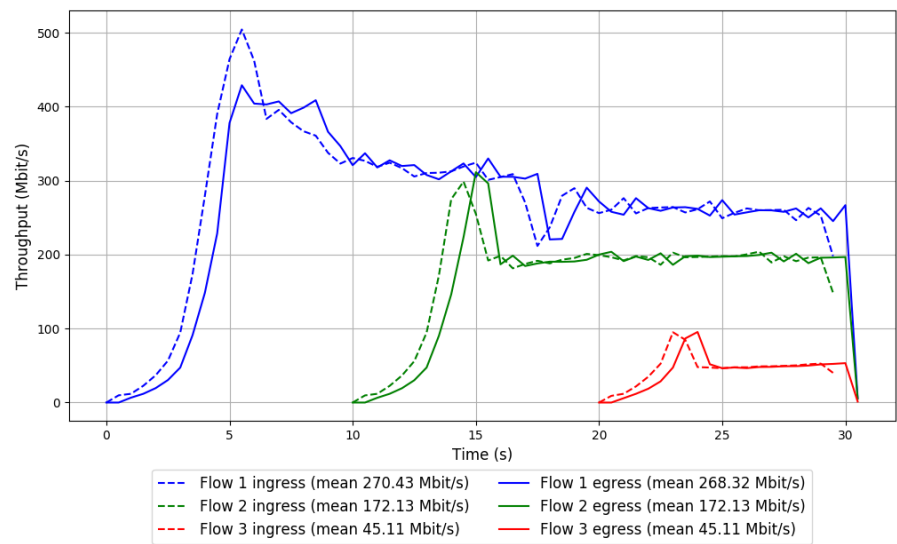
-- Flow 3:

Average throughput: 45.11 Mbit/s

95th percentile per-packet one-way delay: 136.291 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

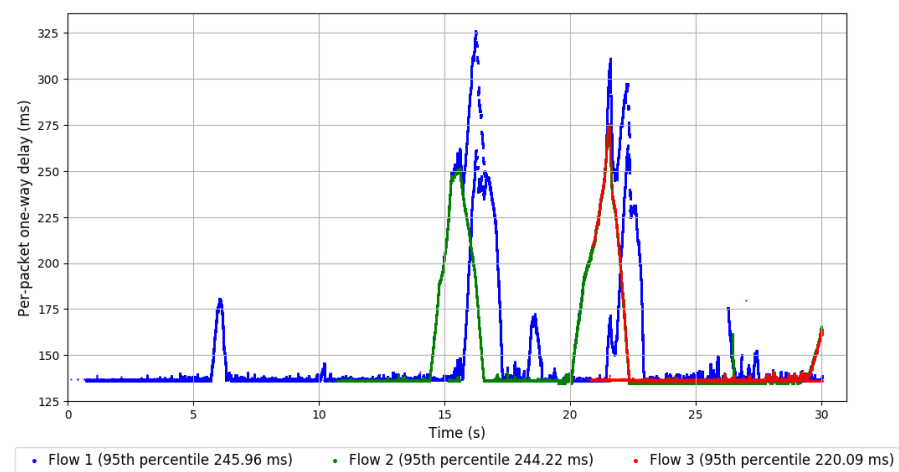
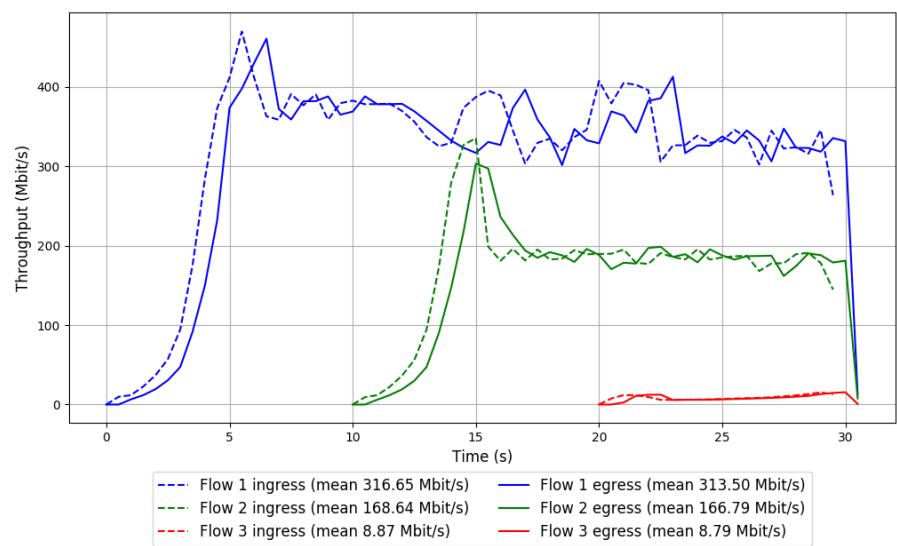


Run 7: Statistics of PCC-Expr

Start at: 2018-05-31 13:39:30
End at: 2018-05-31 13:40:00
Local clock offset: -0.303 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-31 16:43:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.30 Mbit/s
95th percentile per-packet one-way delay: 245.603 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 313.50 Mbit/s
95th percentile per-packet one-way delay: 245.957 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 166.79 Mbit/s
95th percentile per-packet one-way delay: 244.217 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 220.089 ms
Loss rate: 0.94%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-31 14:04:25

End at: 2018-05-31 14:04:55

Local clock offset: -0.351 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-05-31 16:44:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 436.42 Mbit/s

95th percentile per-packet one-way delay: 194.887 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 297.41 Mbit/s

95th percentile per-packet one-way delay: 200.112 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 169.78 Mbit/s

95th percentile per-packet one-way delay: 179.867 ms

Loss rate: 1.30%

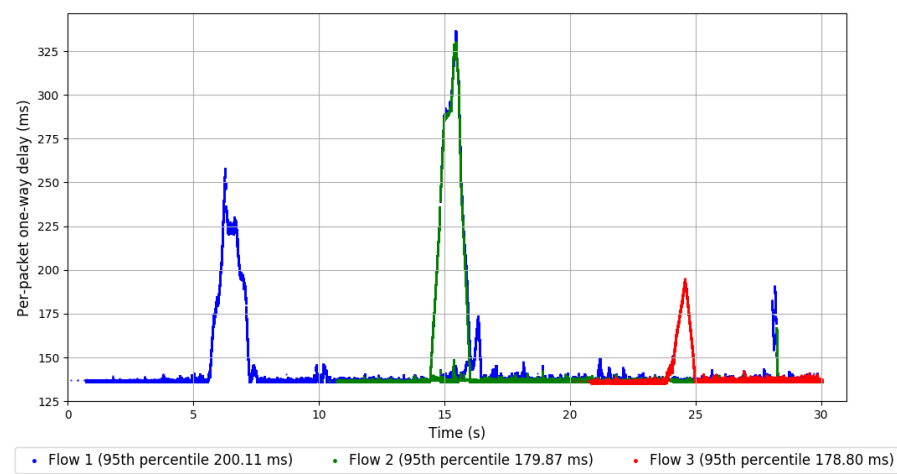
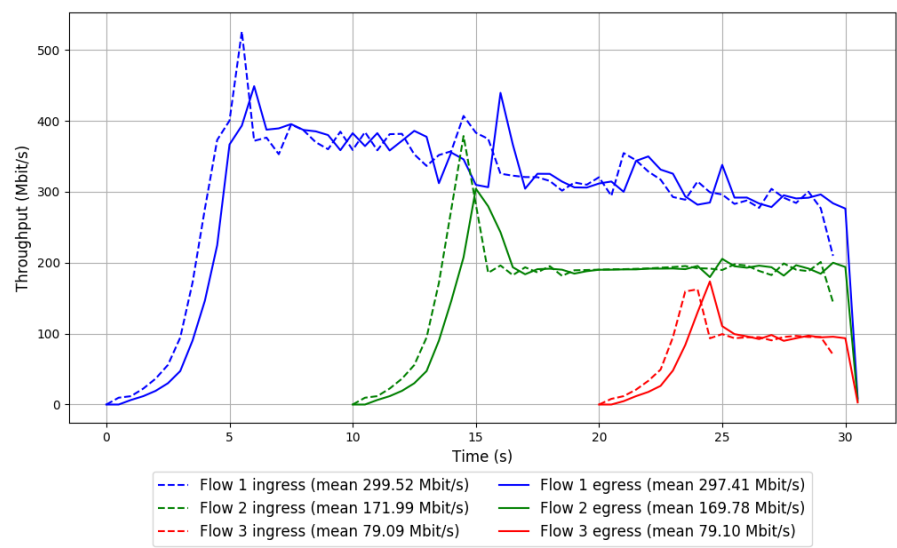
-- Flow 3:

Average throughput: 79.10 Mbit/s

95th percentile per-packet one-way delay: 178.802 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-31 14:29:54

End at: 2018-05-31 14:30:24

Local clock offset: 0.057 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-05-31 16:44:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.10 Mbit/s

95th percentile per-packet one-way delay: 137.880 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 189.07 Mbit/s

95th percentile per-packet one-way delay: 137.646 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 175.04 Mbit/s

95th percentile per-packet one-way delay: 154.924 ms

Loss rate: 0.01%

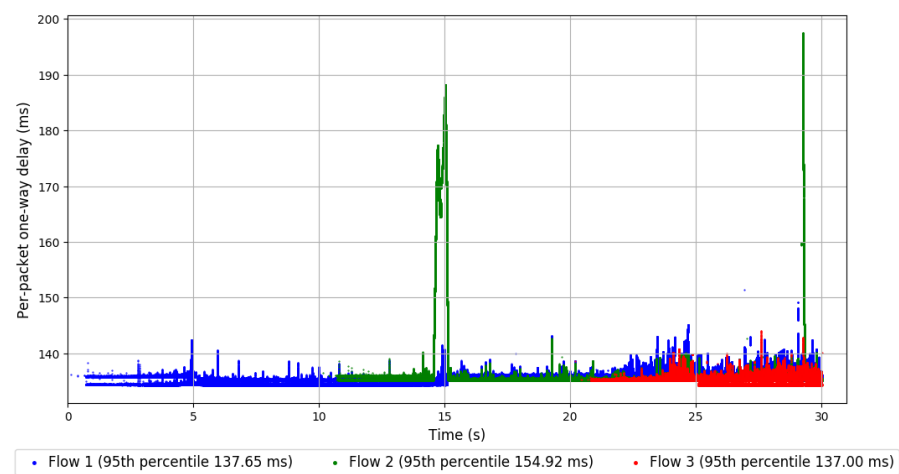
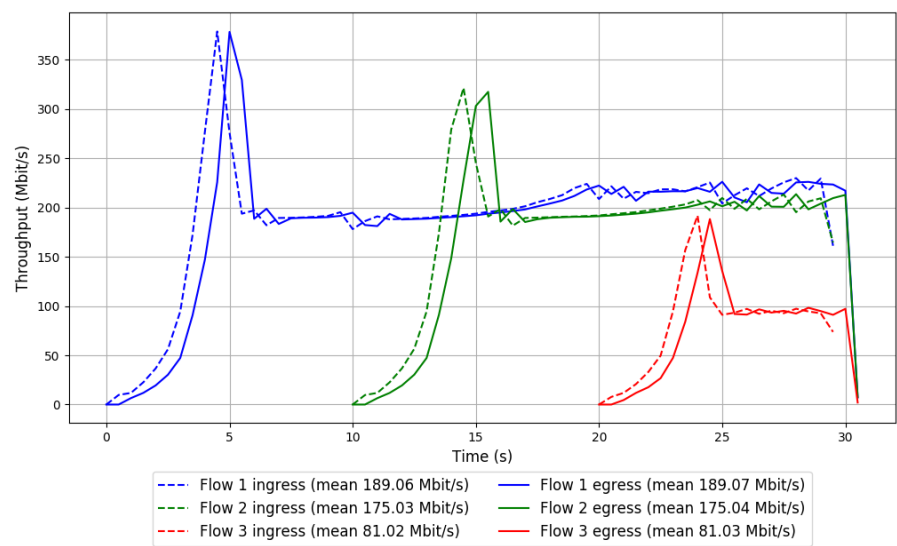
-- Flow 3:

Average throughput: 81.03 Mbit/s

95th percentile per-packet one-way delay: 136.997 ms

Loss rate: 0.05%

Run 9: Report of PCC-Expr — Data Link

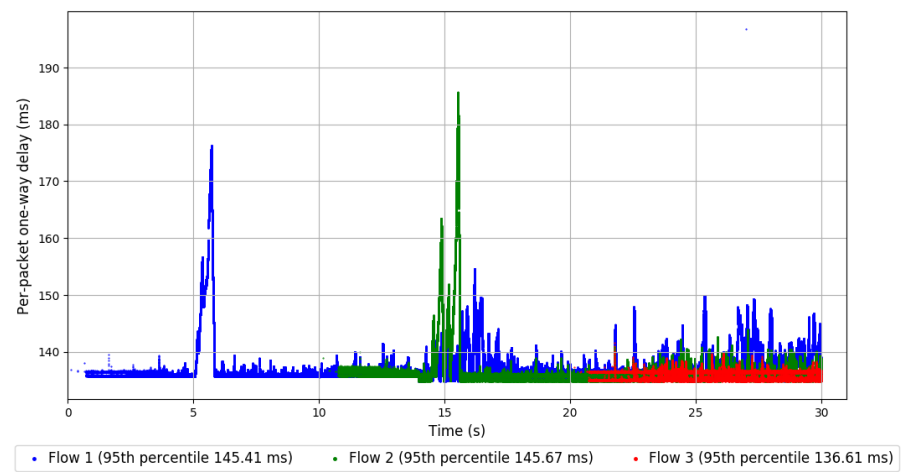
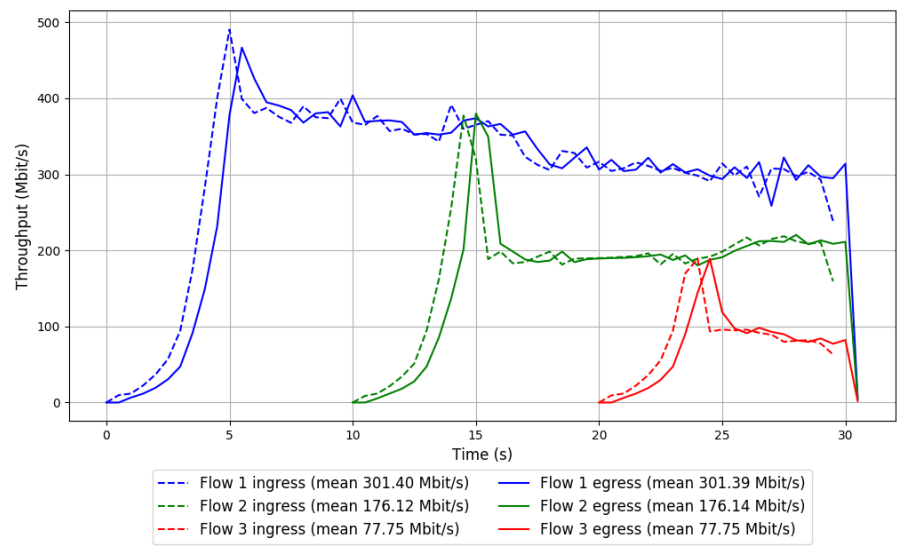


Run 10: Statistics of PCC-Expr

Start at: 2018-05-31 14:55:25
End at: 2018-05-31 14:55:55
Local clock offset: -0.122 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-31 16:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 444.18 Mbit/s
95th percentile per-packet one-way delay: 144.969 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 301.39 Mbit/s
95th percentile per-packet one-way delay: 145.411 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 176.14 Mbit/s
95th percentile per-packet one-way delay: 145.670 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 136.606 ms
Loss rate: 0.01%

Run 10: Report of PCC-Expr — Data Link

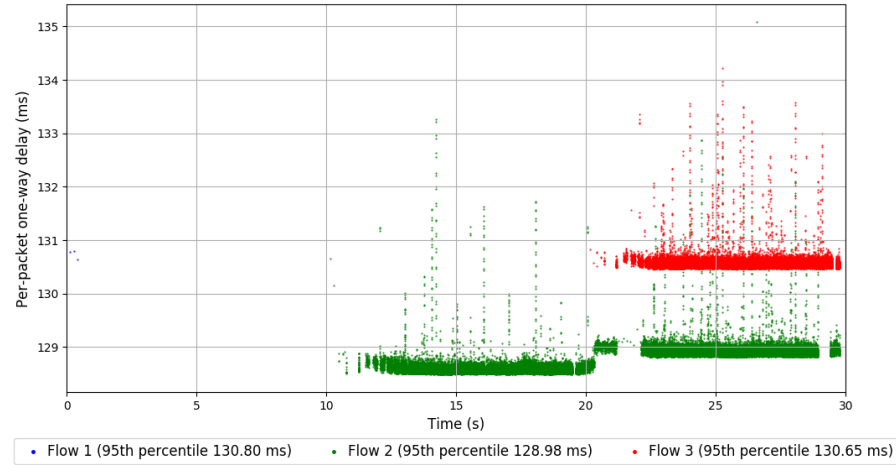
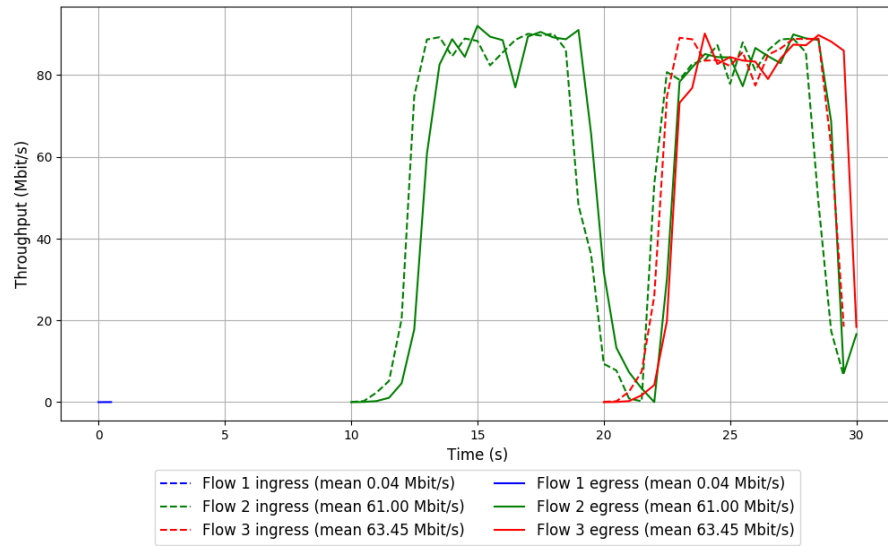


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-31 11:11:19
End at: 2018-05-31 11:11:49
Local clock offset: 5.695 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-05-31 16:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 130.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 130.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 128.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 130.646 ms
Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link

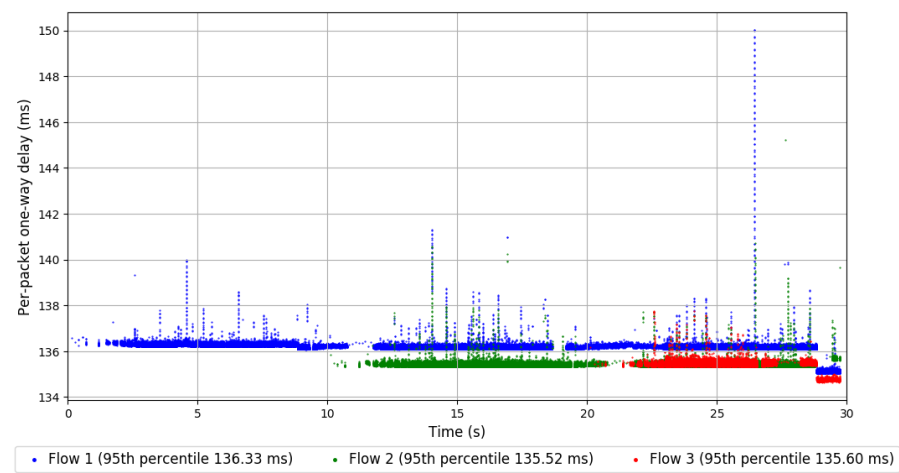
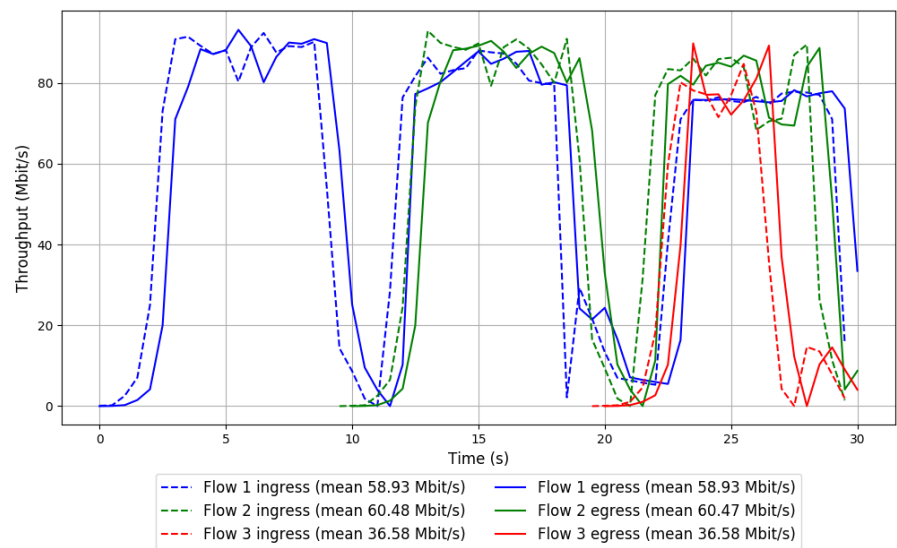


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-31 11:35:50
End at: 2018-05-31 11:36:20
Local clock offset: -0.089 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-05-31 16:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.90 Mbit/s
95th percentile per-packet one-way delay: 136.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 136.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.47 Mbit/s
95th percentile per-packet one-way delay: 135.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 135.598 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

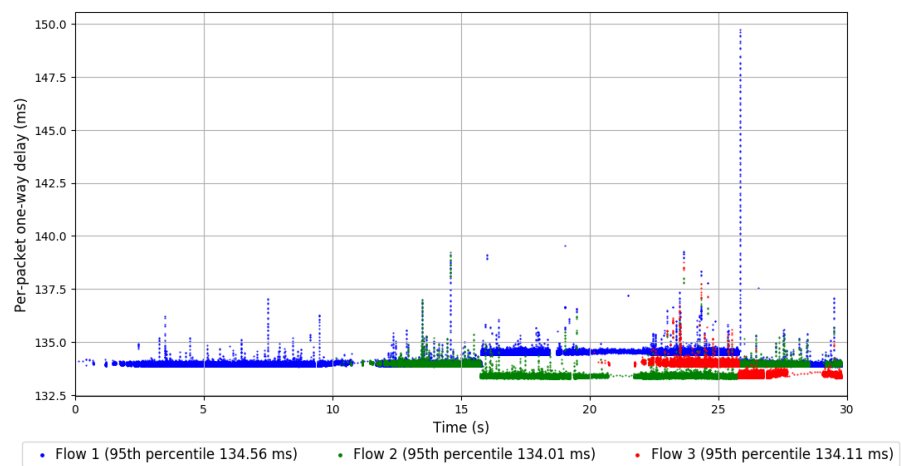
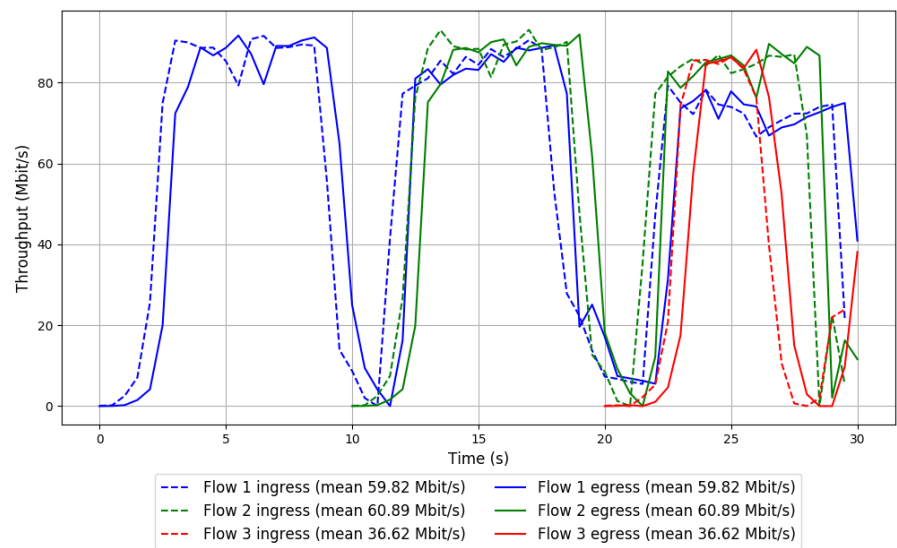


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-31 12:00:53
End at: 2018-05-31 12:01:23
Local clock offset: 1.257 ms
Remote clock offset: -0.597 ms

Below is generated by plot.py at 2018-05-31 16:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.01 Mbit/s
95th percentile per-packet one-way delay: 134.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 134.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 134.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 134.107 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-31 12:25:46

End at: 2018-05-31 12:26:16

Local clock offset: -0.364 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-05-31 16:47:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 100.58 Mbit/s

95th percentile per-packet one-way delay: 136.516 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 136.096 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.49 Mbit/s

95th percentile per-packet one-way delay: 136.576 ms

Loss rate: 0.00%

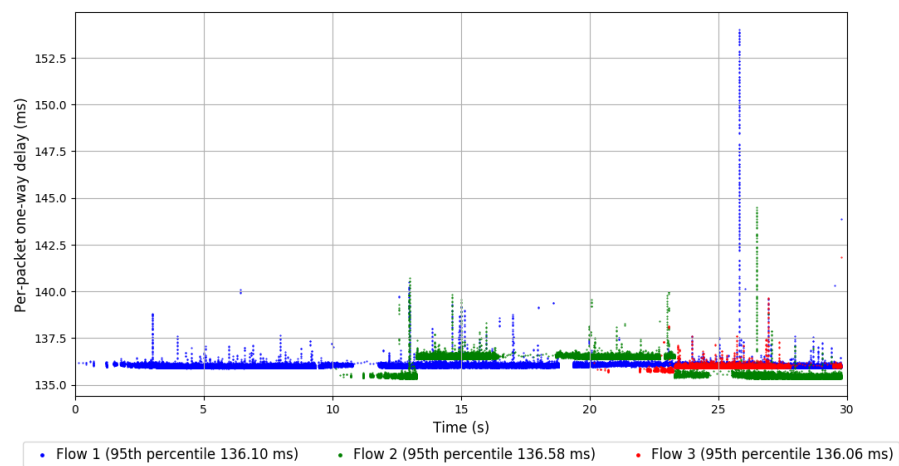
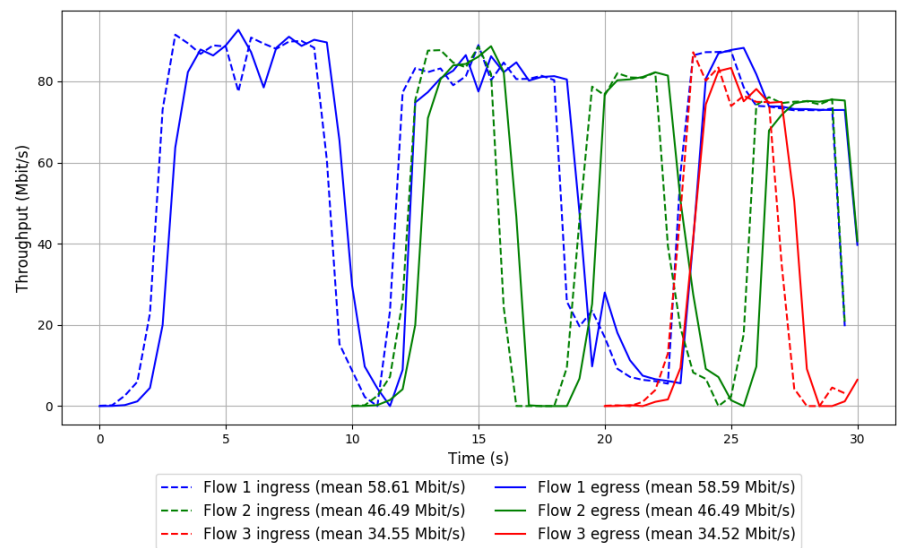
-- Flow 3:

Average throughput: 34.52 Mbit/s

95th percentile per-packet one-way delay: 136.056 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link

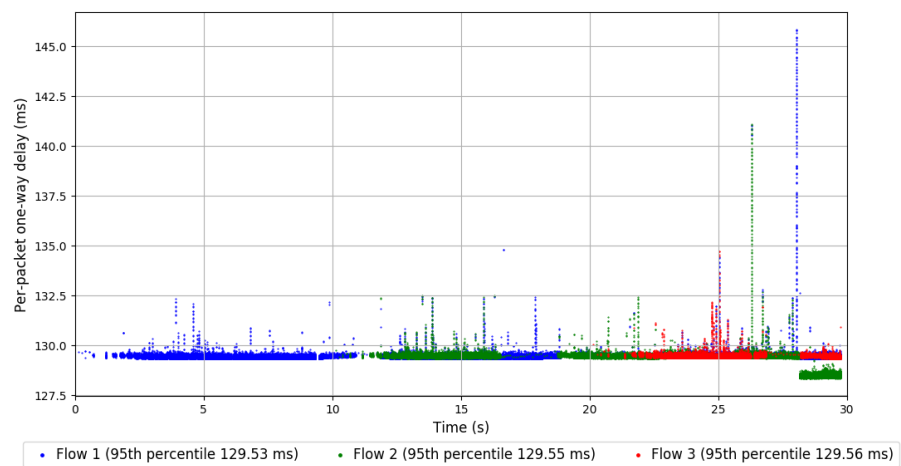
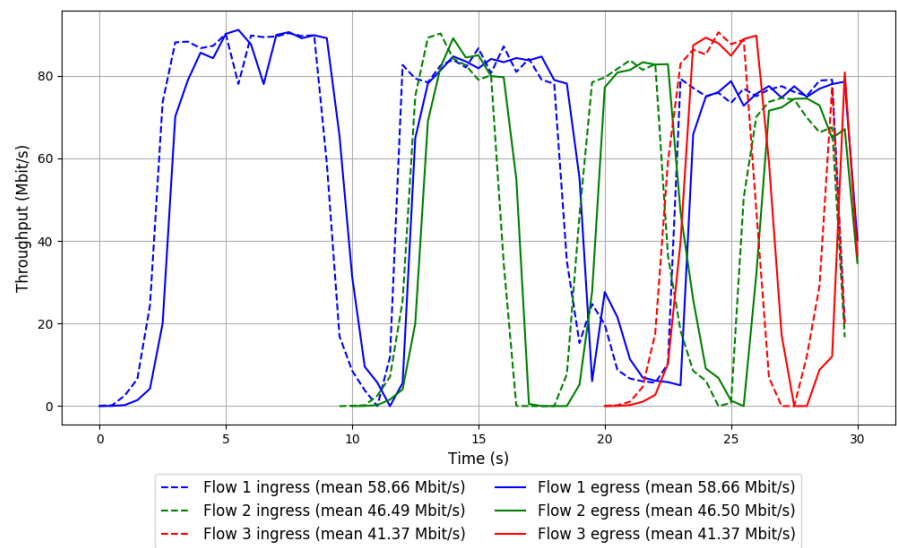


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-31 12:50:41
End at: 2018-05-31 12:51:11
Local clock offset: 5.794 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-31 16:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.90 Mbit/s
95th percentile per-packet one-way delay: 129.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 129.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 129.550 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 129.556 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-31 13:16:02

End at: 2018-05-31 13:16:32

Local clock offset: -0.409 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-05-31 16:47:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.83 Mbit/s

95th percentile per-packet one-way delay: 136.705 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.44 Mbit/s

95th percentile per-packet one-way delay: 136.071 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.61 Mbit/s

95th percentile per-packet one-way delay: 136.741 ms

Loss rate: 0.00%

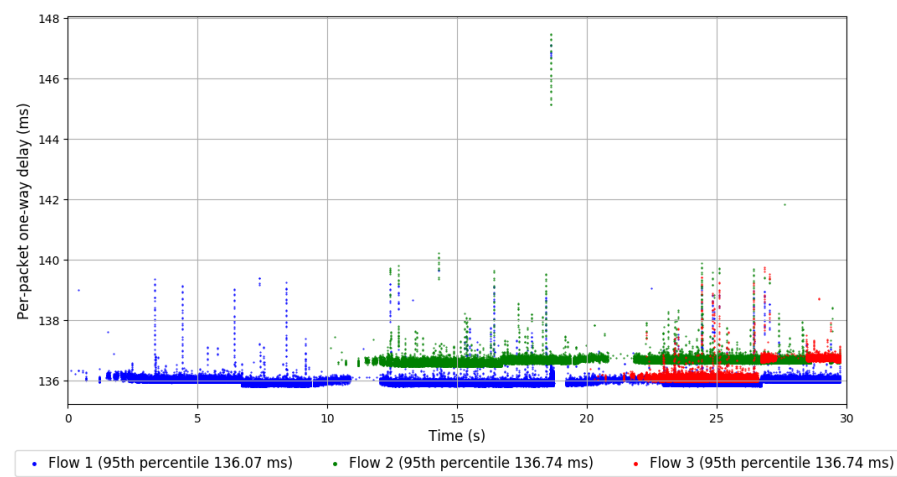
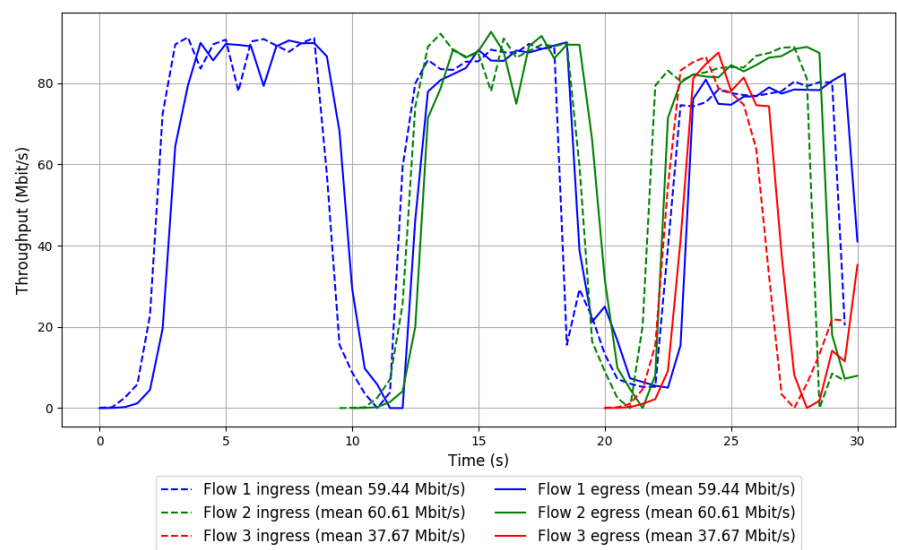
-- Flow 3:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 136.737 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

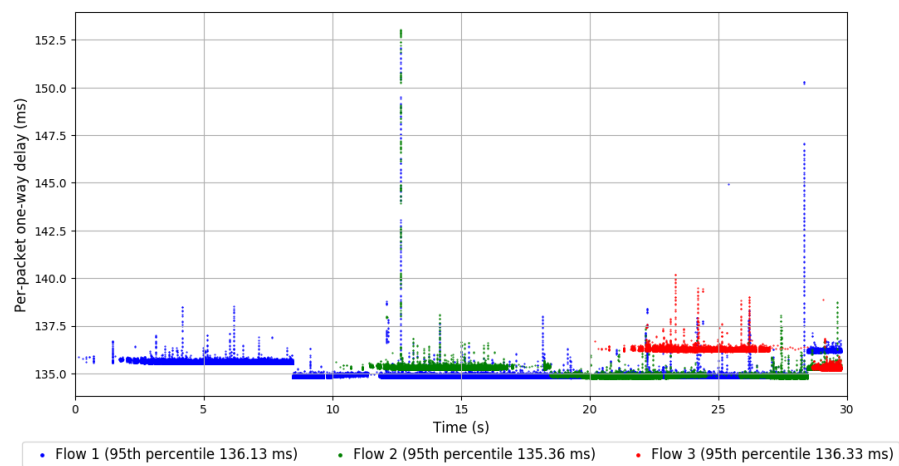
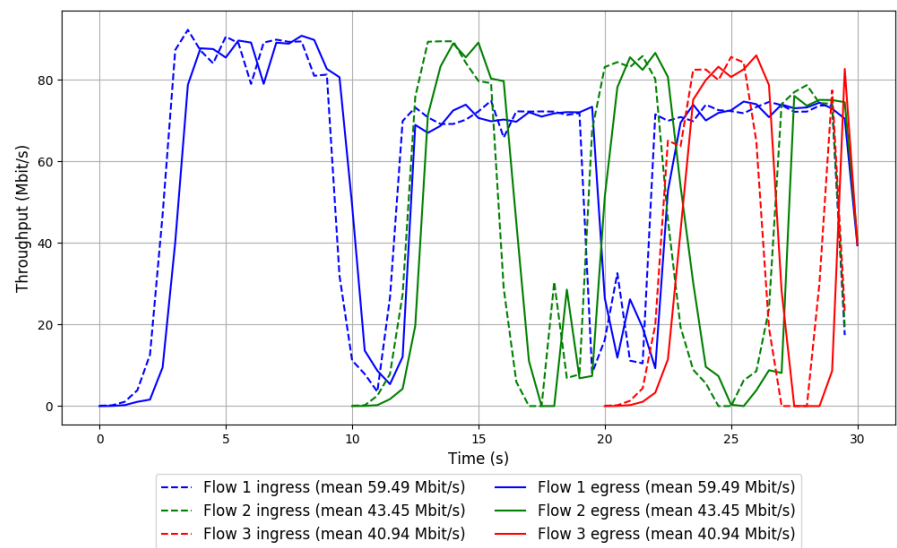


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-31 13:41:31
End at: 2018-05-31 13:42:01
Local clock offset: -0.064 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-31 16:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.51 Mbit/s
95th percentile per-packet one-way delay: 136.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 136.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 135.361 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

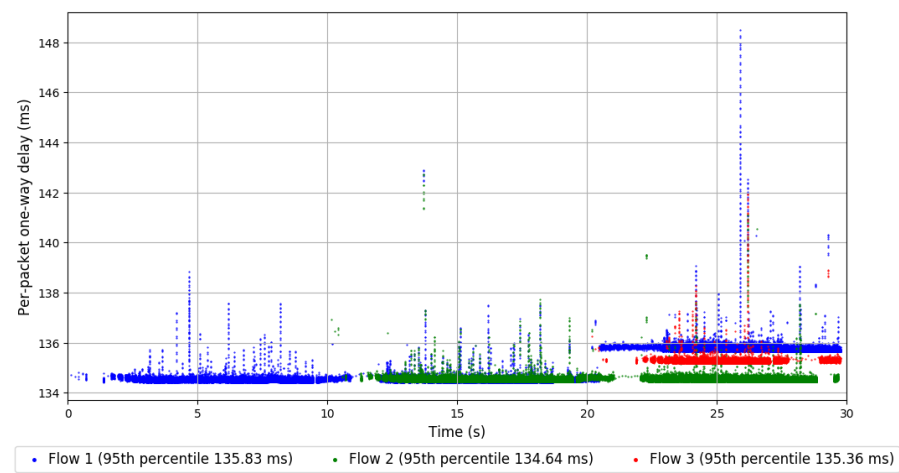
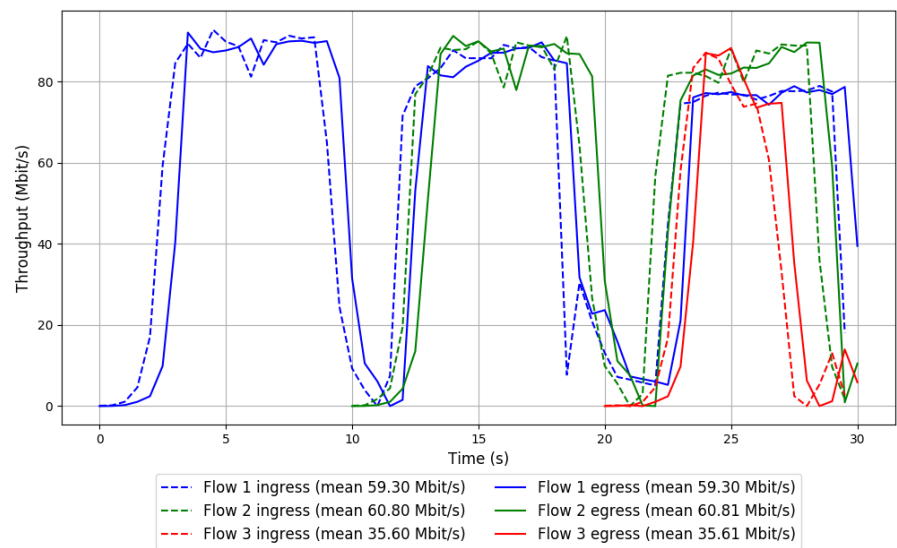


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-31 14:06:29
End at: 2018-05-31 14:06:59
Local clock offset: -0.113 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-31 16:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.91 Mbit/s
95th percentile per-packet one-way delay: 135.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 135.834 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 134.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 135.363 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

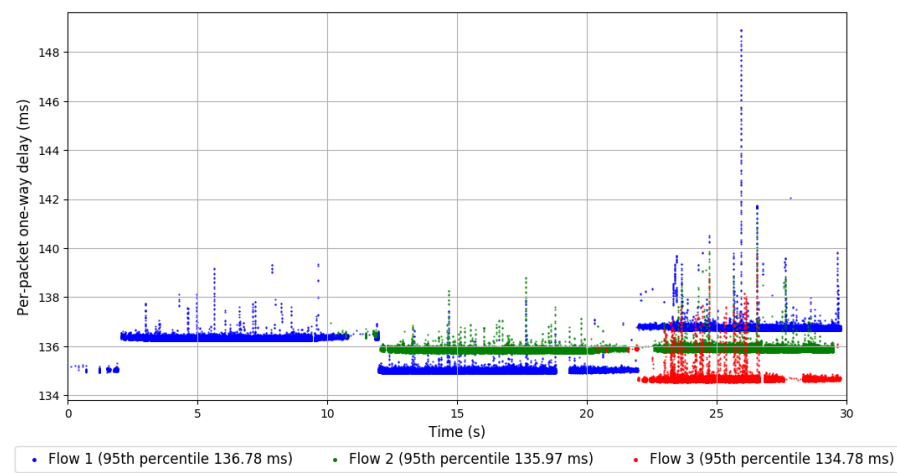
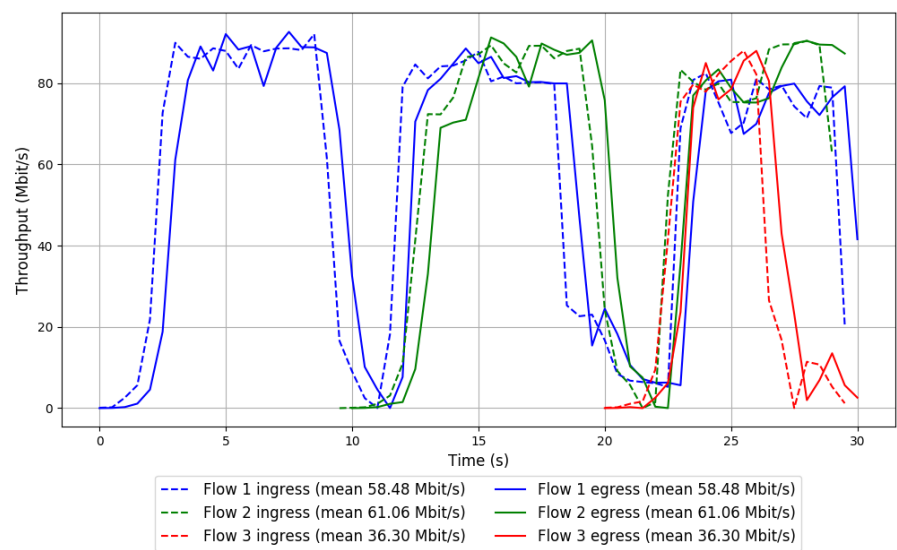


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-31 14:31:47
End at: 2018-05-31 14:32:17
Local clock offset: -0.102 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-31 16:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.14 Mbit/s
95th percentile per-packet one-way delay: 136.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 136.775 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 135.965 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 134.782 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

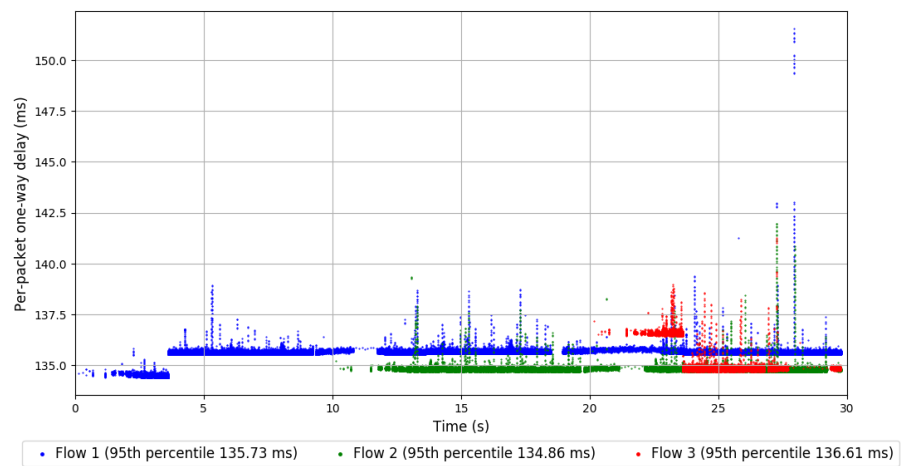
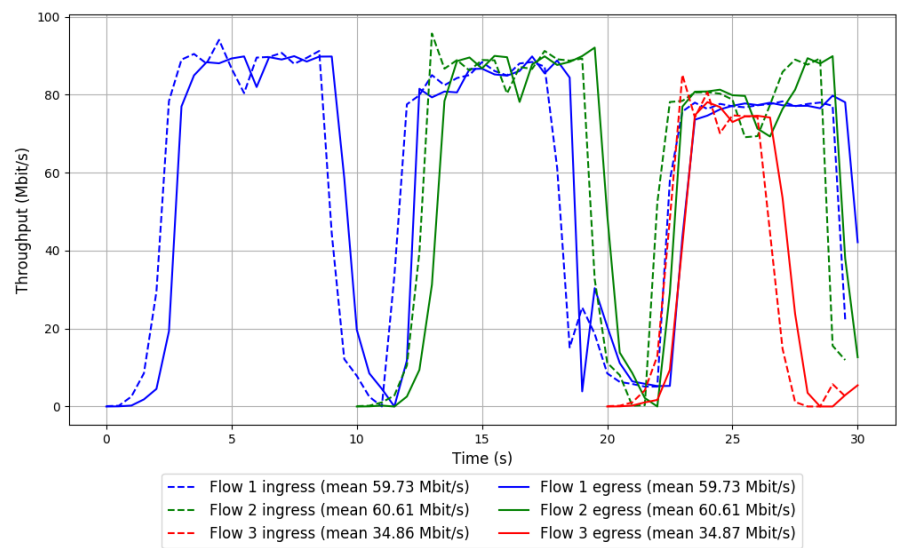


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-31 14:57:25
End at: 2018-05-31 14:57:55
Local clock offset: -0.093 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.15 Mbit/s
95th percentile per-packet one-way delay: 135.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 135.733 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 134.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 136.609 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

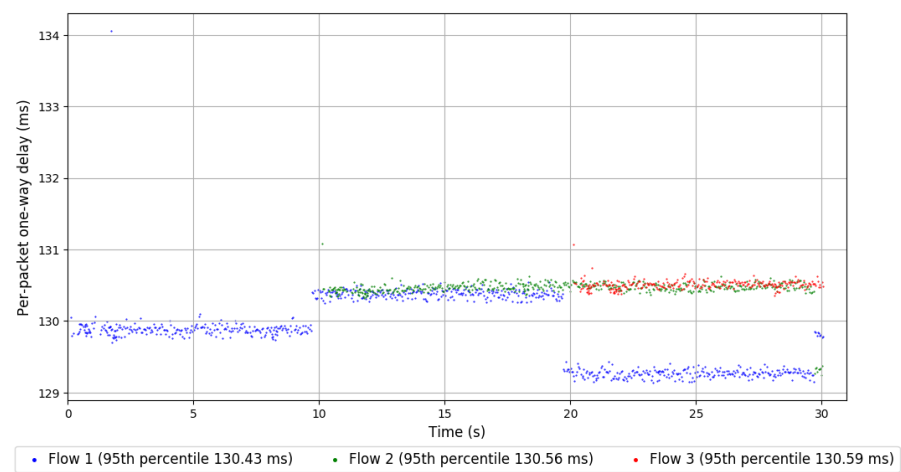
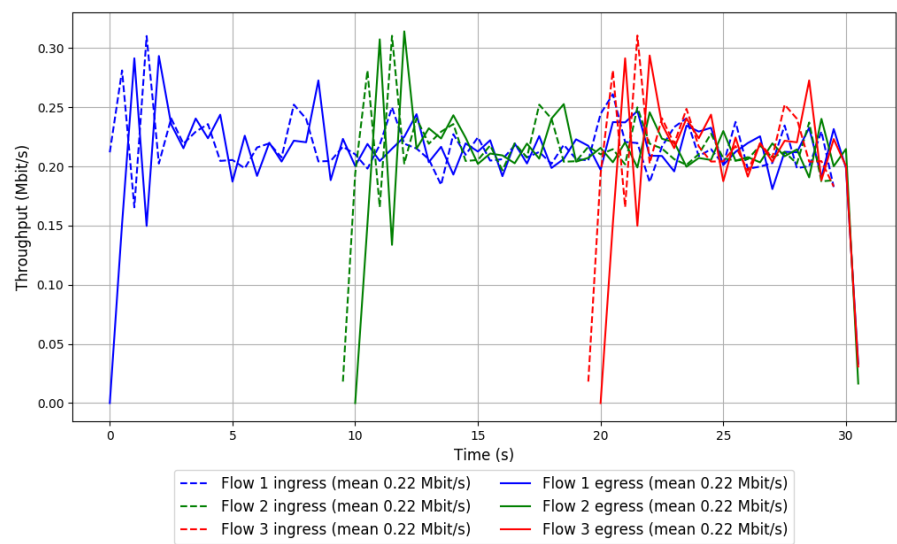


Run 1: Statistics of SCReAM

Start at: 2018-05-31 11:02:20
End at: 2018-05-31 11:02:50
Local clock offset: 5.517 ms
Remote clock offset: -0.696 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 130.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 130.434 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 130.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 130.594 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

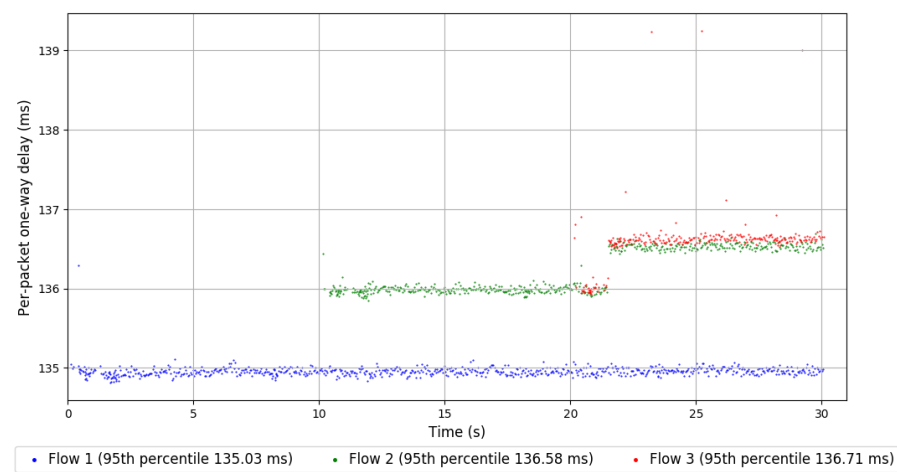
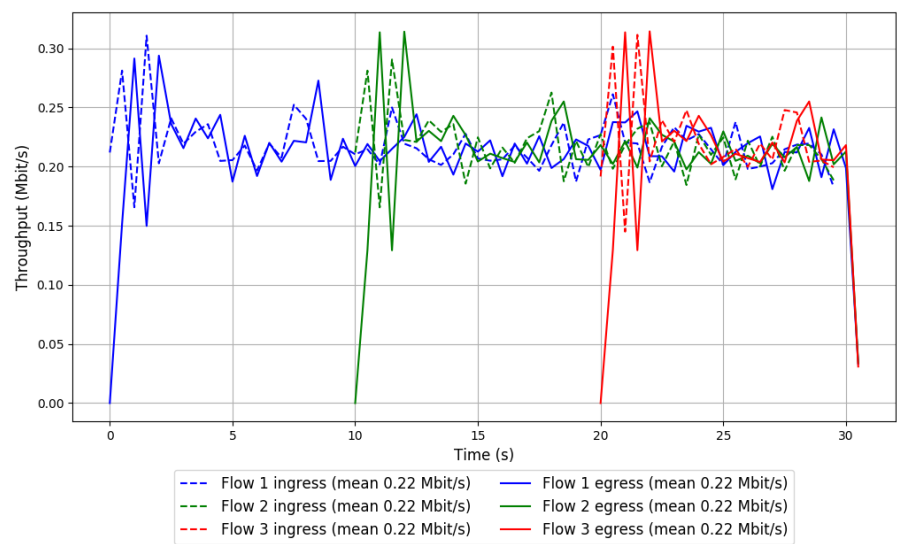


Run 2: Statistics of SReAM

Start at: 2018-05-31 11:26:58
End at: 2018-05-31 11:27:28
Local clock offset: -0.211 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.576 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.712 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

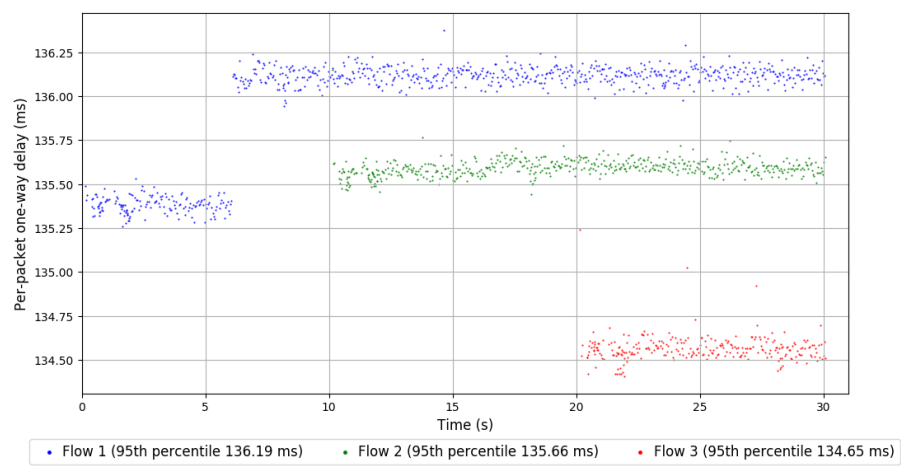
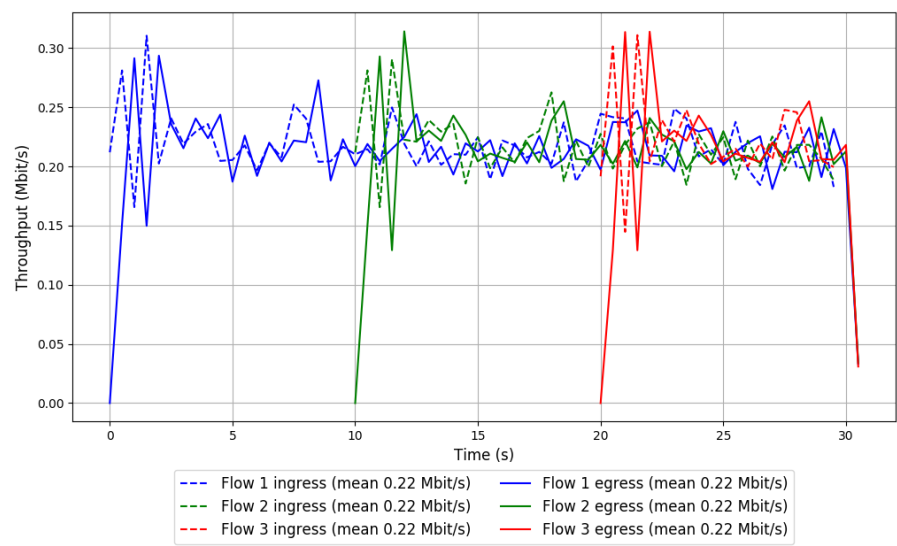


Run 3: Statistics of SReAM

Start at: 2018-05-31 11:51:53
End at: 2018-05-31 11:52:23
Local clock offset: -0.189 ms
Remote clock offset: -0.756 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.647 ms
Loss rate: 0.00%

Run 3: Report of SCRaM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-05-31 12:16:42

End at: 2018-05-31 12:17:12

Local clock offset: 6.157 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-05-31 16:47:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 130.425 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 130.443 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 130.333 ms

Loss rate: 0.00%

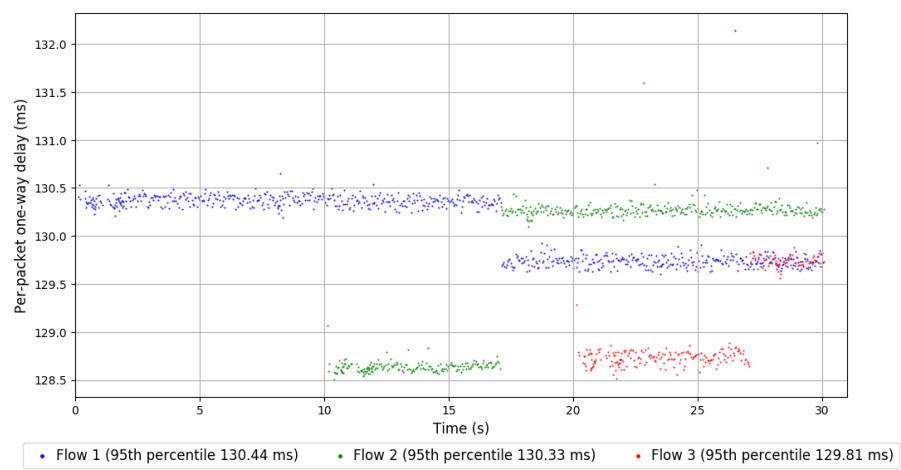
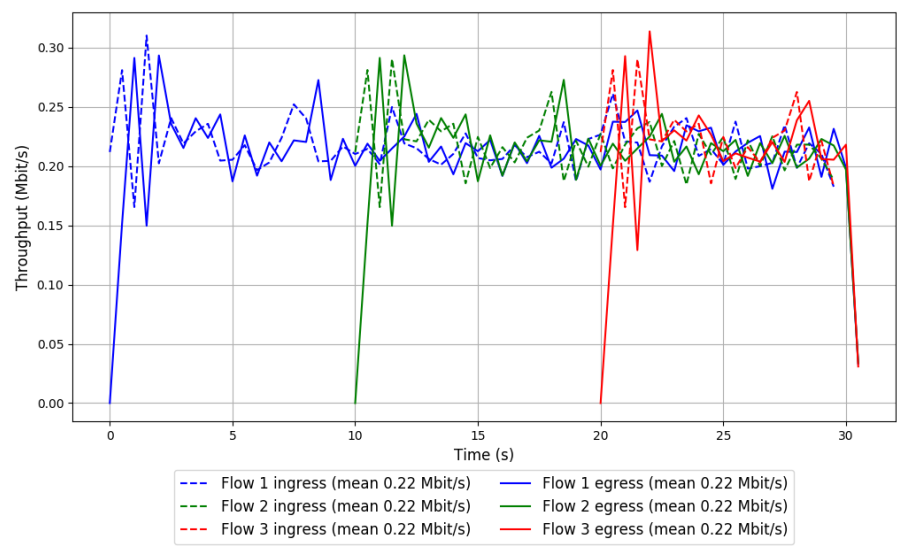
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 129.806 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-05-31 12:41:44

End at: 2018-05-31 12:42:14

Local clock offset: 0.045 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2018-05-31 16:47:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 135.809 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.807 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.753 ms

Loss rate: 0.00%

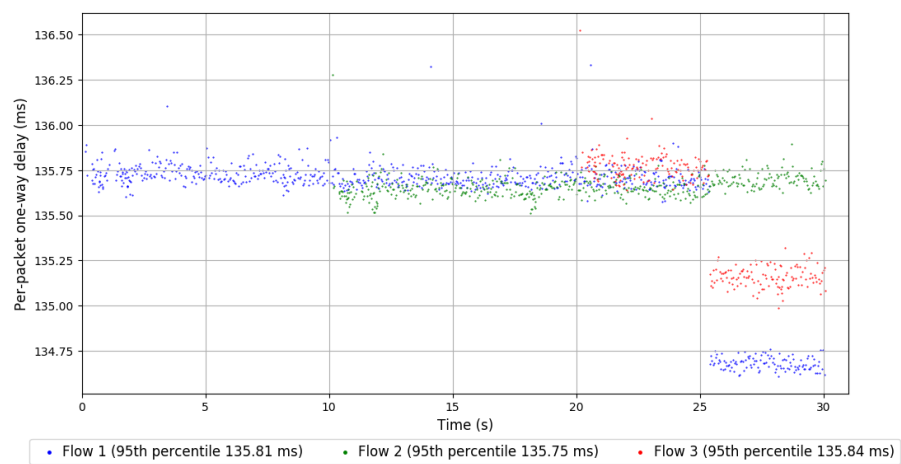
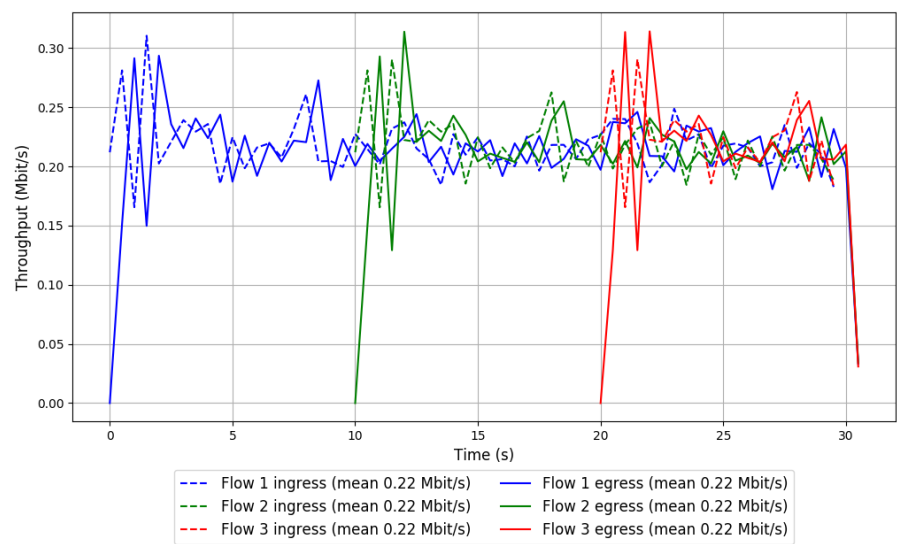
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.835 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-05-31 13:06:49

End at: 2018-05-31 13:07:19

Local clock offset: 1.61 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-05-31 16:47:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 134.318 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 134.341 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 134.238 ms

Loss rate: 0.00%

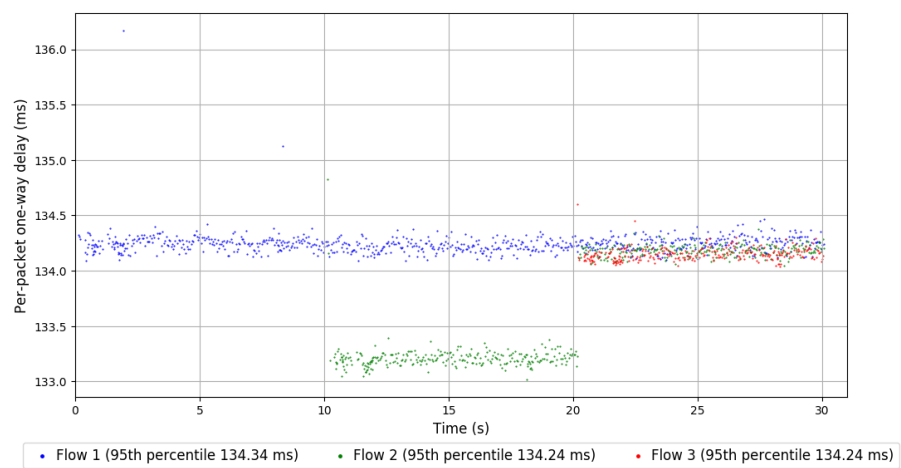
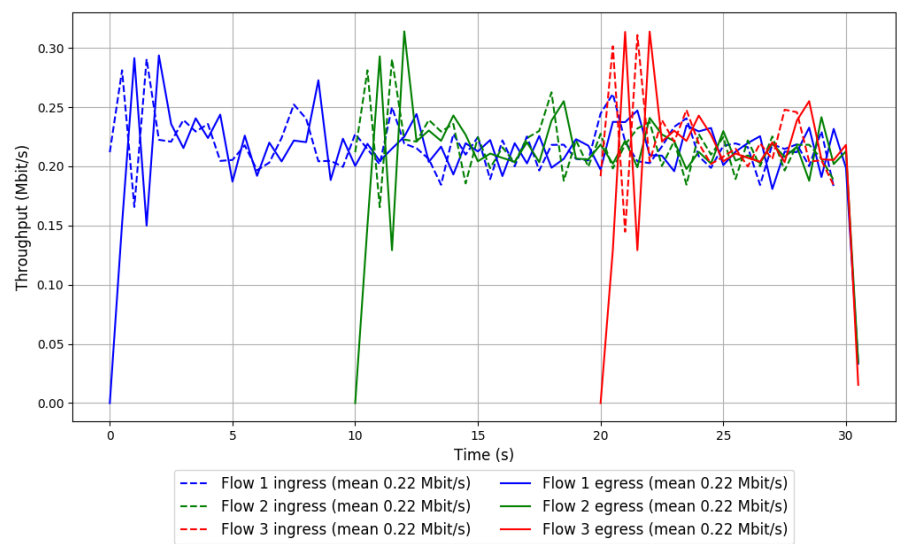
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 134.244 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-05-31 13:32:26

End at: 2018-05-31 13:32:56

Local clock offset: -0.165 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-31 16:47:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.074 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.016 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.102 ms

Loss rate: 0.00%

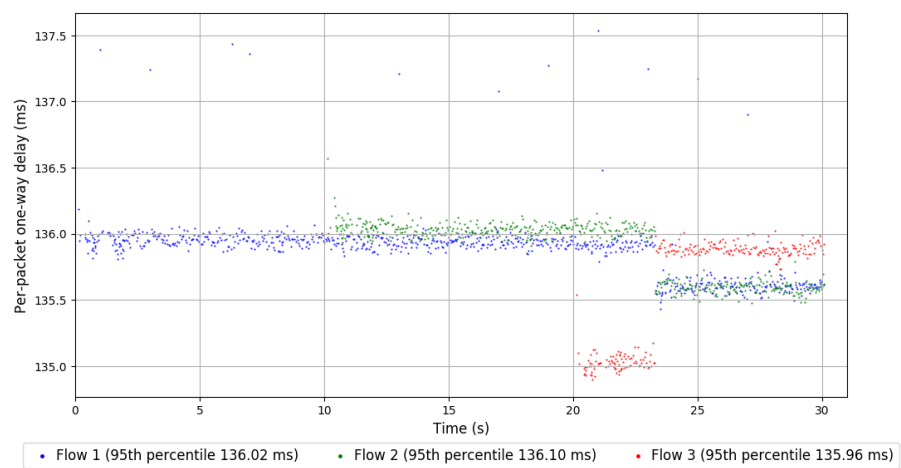
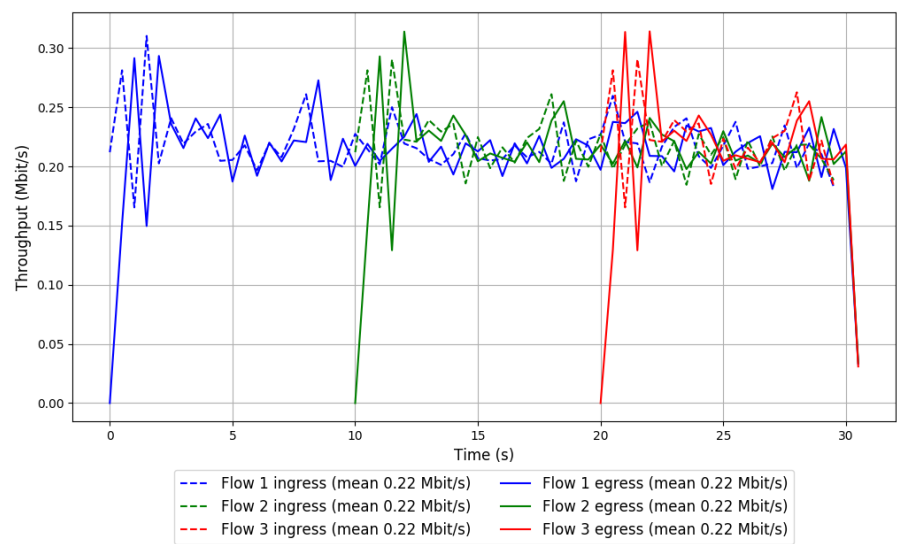
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.962 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

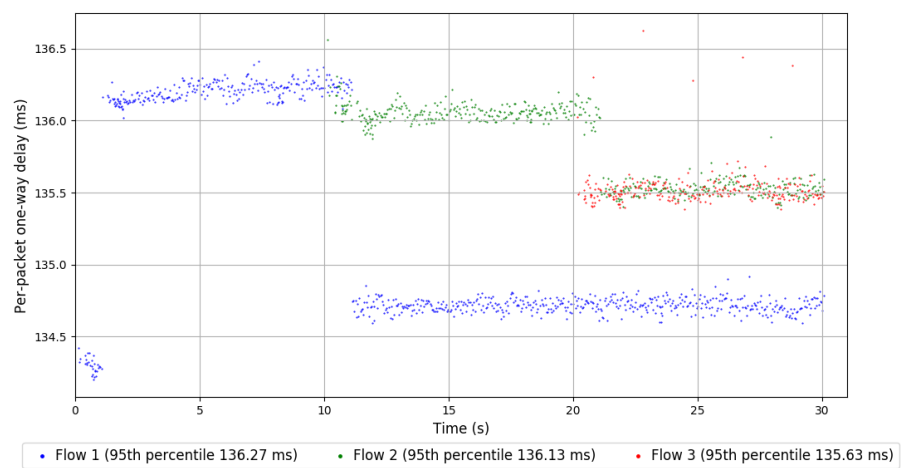
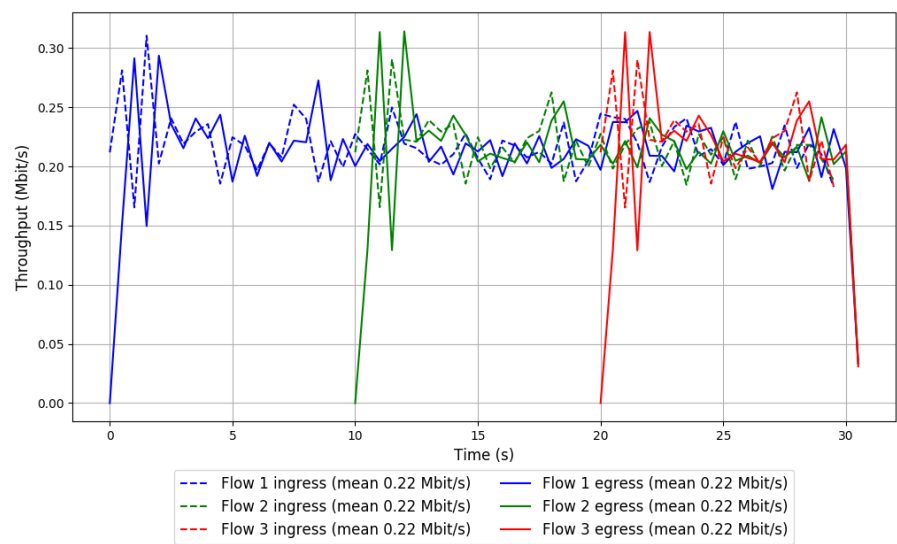


Run 8: Statistics of SReAM

Start at: 2018-05-31 13:57:18
End at: 2018-05-31 13:57:48
Local clock offset: -0.097 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.629 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

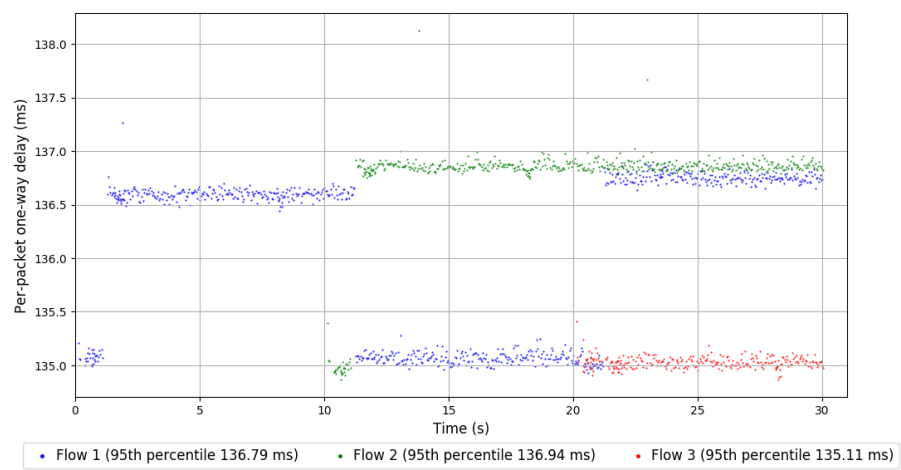
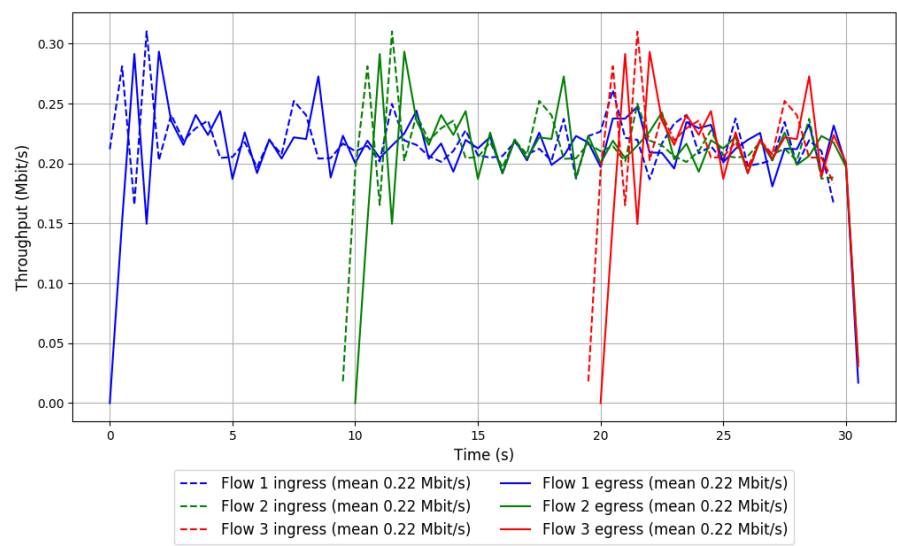


Run 9: Statistics of SReAM

Start at: 2018-05-31 14:22:48
End at: 2018-05-31 14:23:18
Local clock offset: -0.043 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.106 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

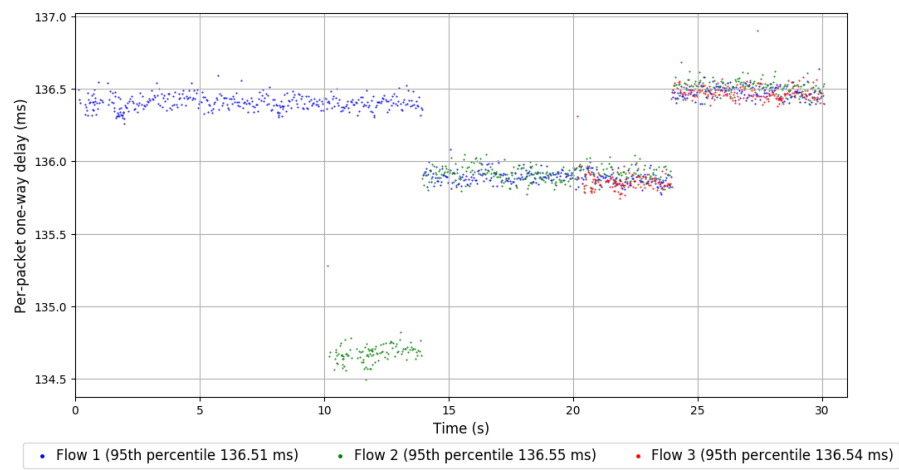
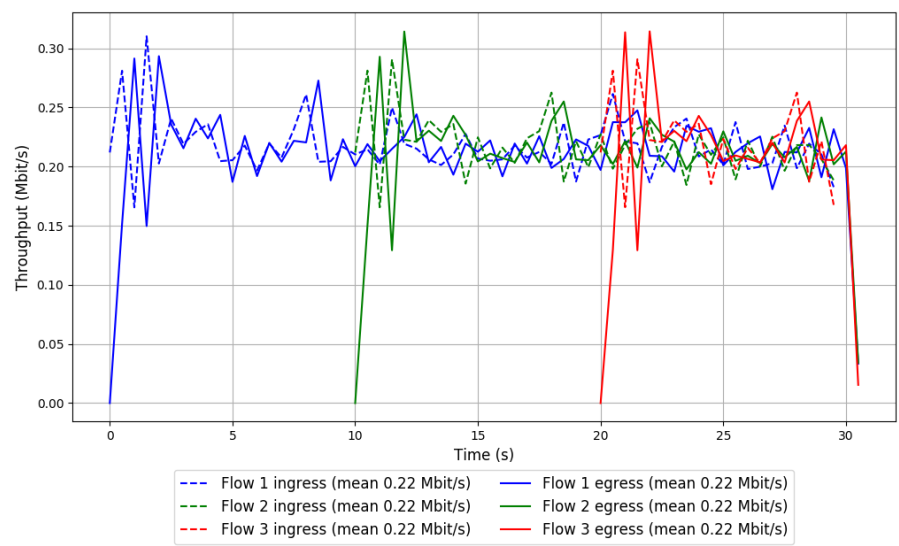


Run 10: Statistics of SReAM

Start at: 2018-05-31 14:48:15
End at: 2018-05-31 14:48:45
Local clock offset: 0.054 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.550 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.538 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

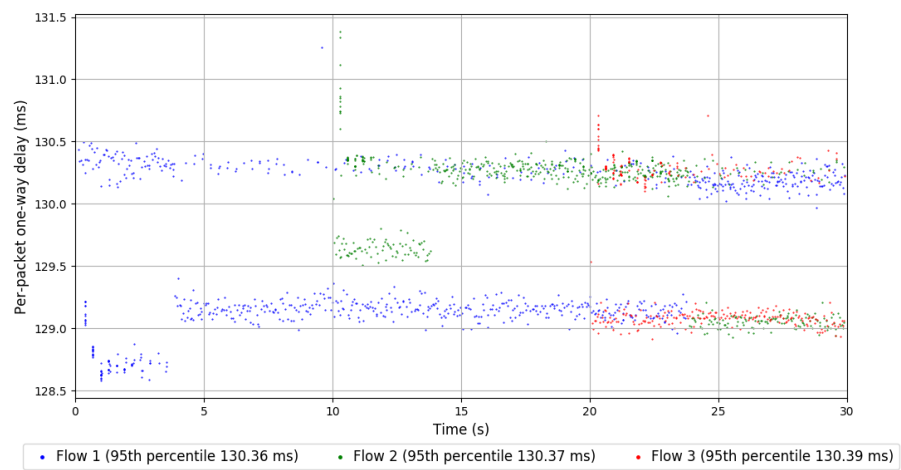
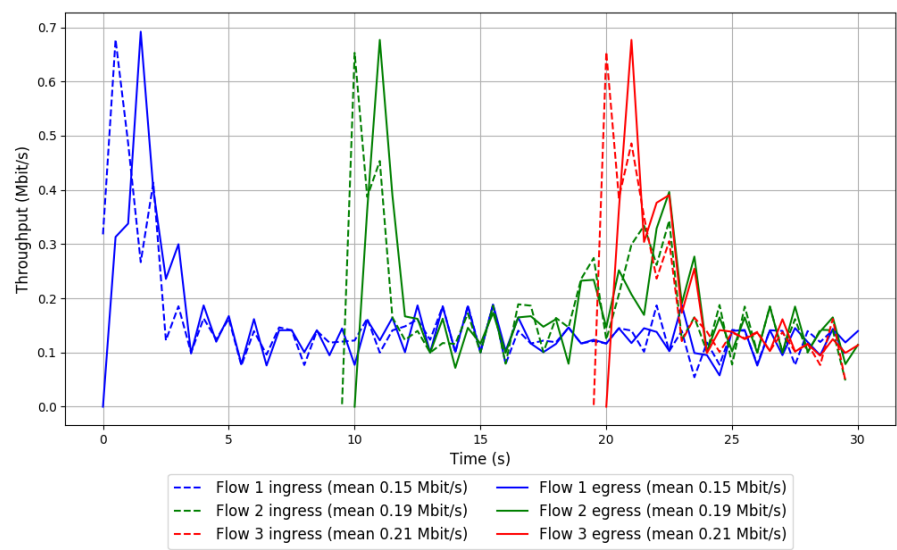


Run 1: Statistics of Sprout

Start at: 2018-05-31 11:06:25
End at: 2018-05-31 11:06:55
Local clock offset: 6.096 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 130.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 130.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 130.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 130.393 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

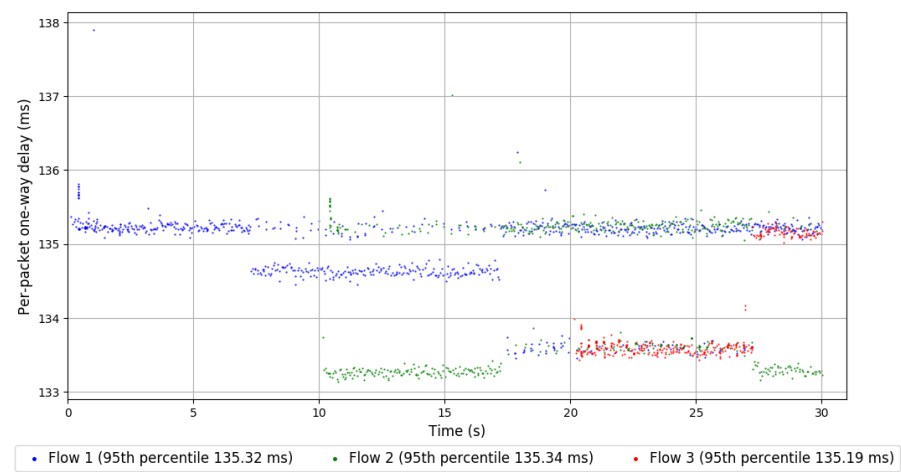
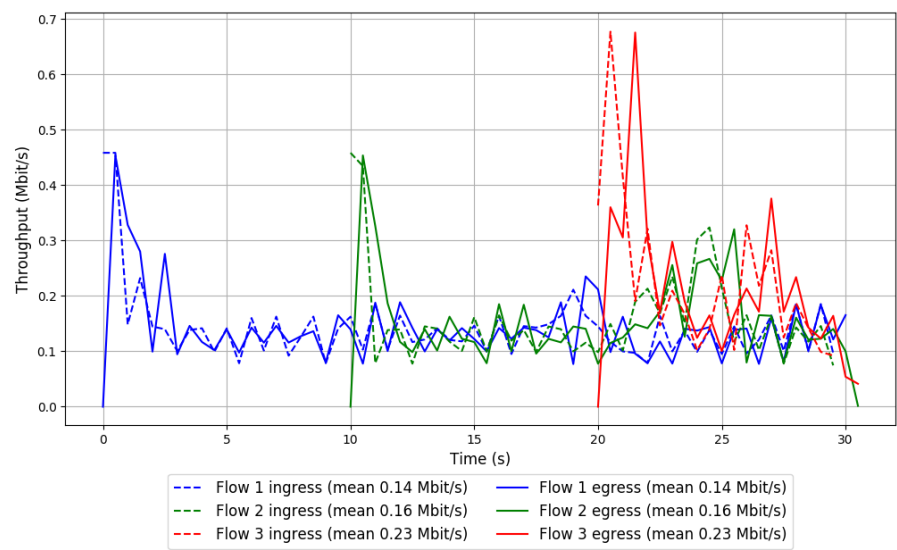


Run 2: Statistics of Sprout

Start at: 2018-05-31 11:31:12
End at: 2018-05-31 11:31:42
Local clock offset: 1.546 ms
Remote clock offset: 0.039 ms

```
# Below is generated by plot.py at 2018-05-31 16:47:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 135.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 135.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 135.190 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-05-31 11:56:04

End at: 2018-05-31 11:56:34

Local clock offset: 5.892 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-05-31 16:47:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 130.670 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 130.126 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 130.667 ms

Loss rate: 0.00%

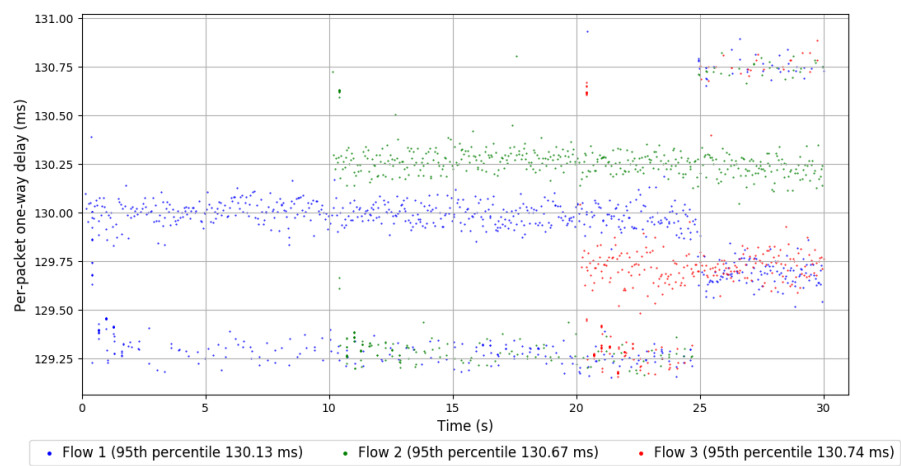
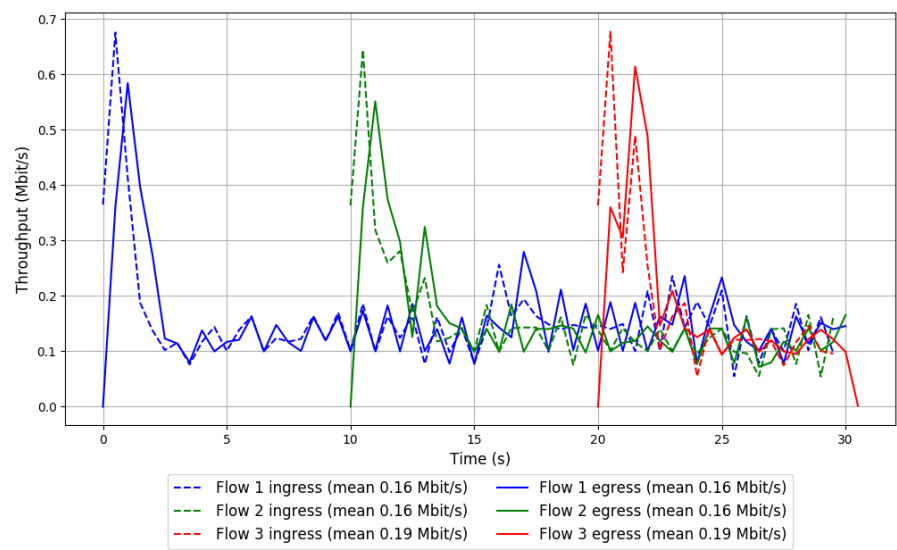
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 130.740 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-31 12:20:56

End at: 2018-05-31 12:21:26

Local clock offset: 0.264 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-05-31 16:47:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.275 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 136.335 ms

Loss rate: 0.00%

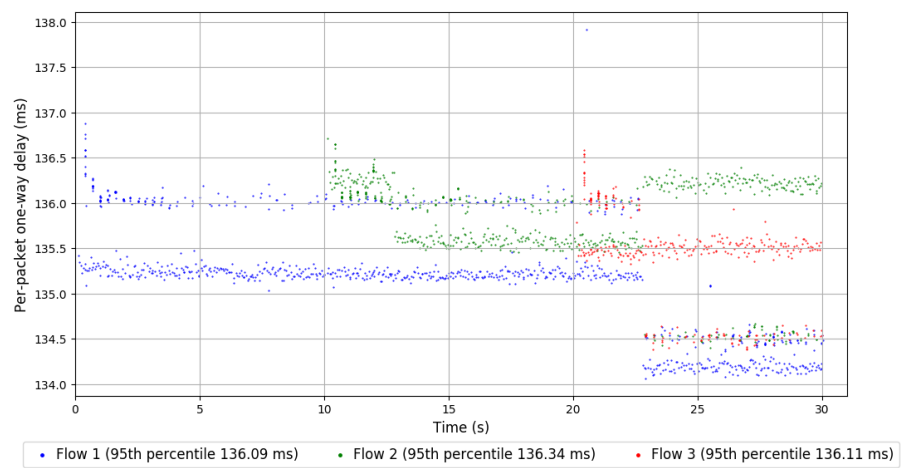
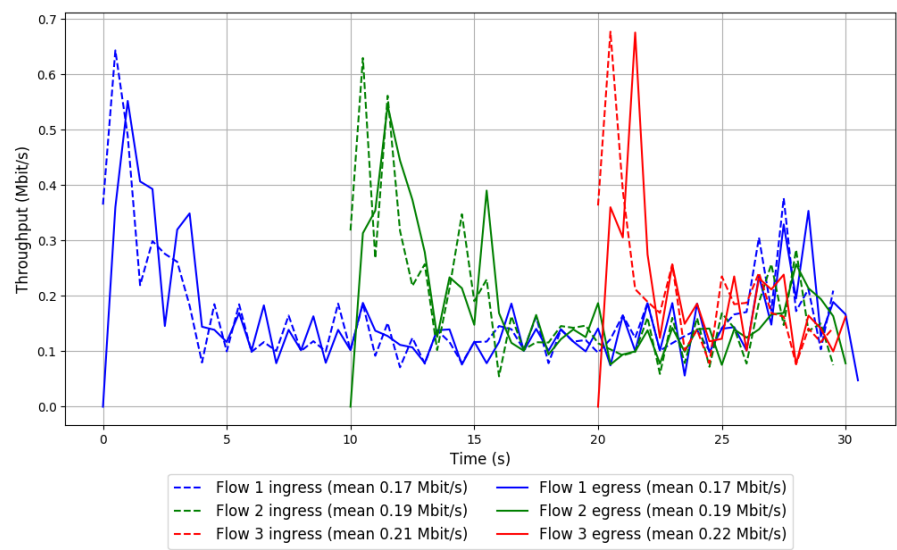
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.111 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

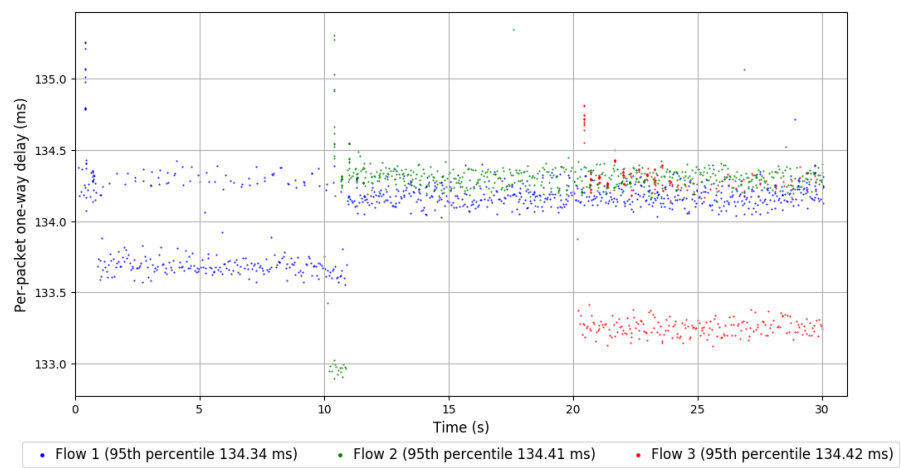
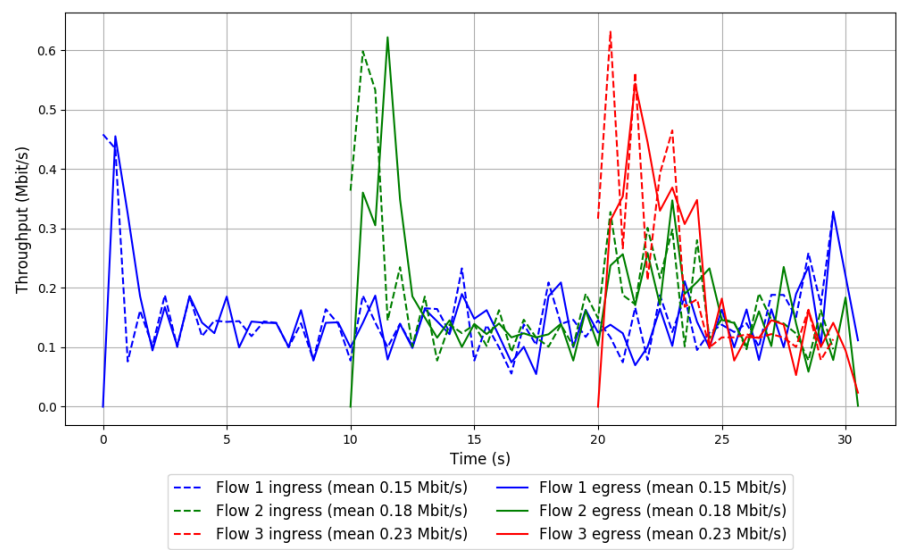


Run 5: Statistics of Sprout

Start at: 2018-05-31 12:45:58
End at: 2018-05-31 12:46:28
Local clock offset: 1.502 ms
Remote clock offset: 0.273 ms

```
# Below is generated by plot.py at 2018-05-31 16:47:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 134.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 134.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 134.407 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 134.424 ms
Loss rate: 0.00%
```


Run 5: Report of Sprout — Data Link

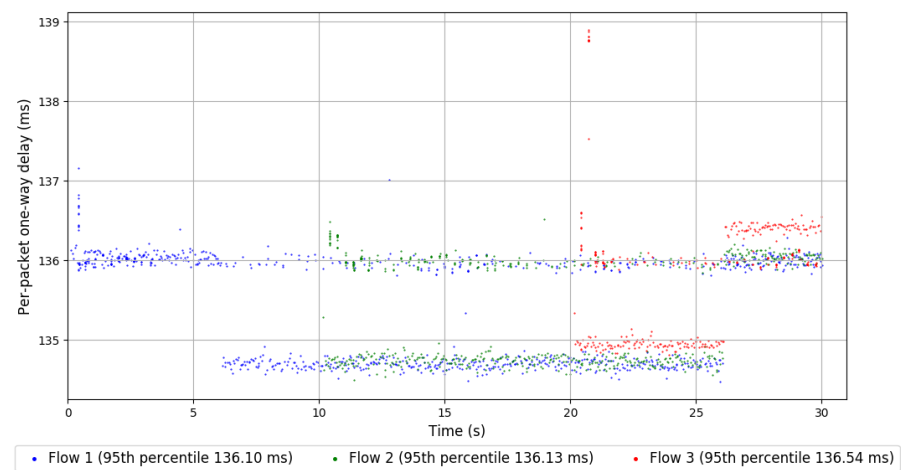
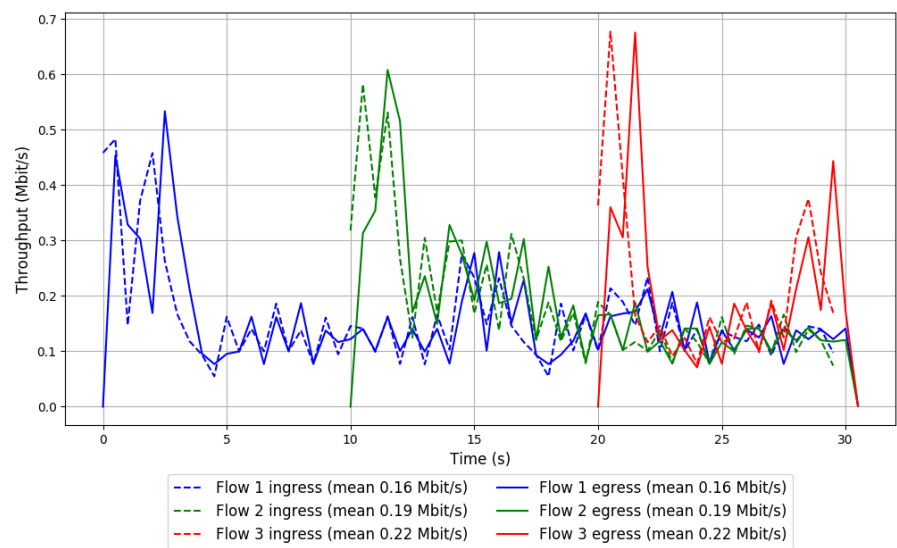


Run 6: Statistics of Sprout

Start at: 2018-05-31 13:11:03
End at: 2018-05-31 13:11:33
Local clock offset: -0.163 ms
Remote clock offset: 0.177 ms

```
# Below is generated by plot.py at 2018-05-31 16:47:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.131 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.537 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

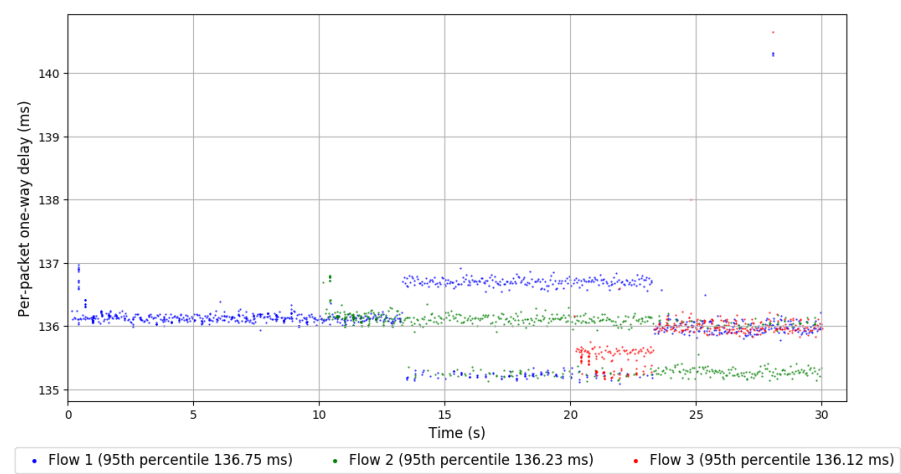
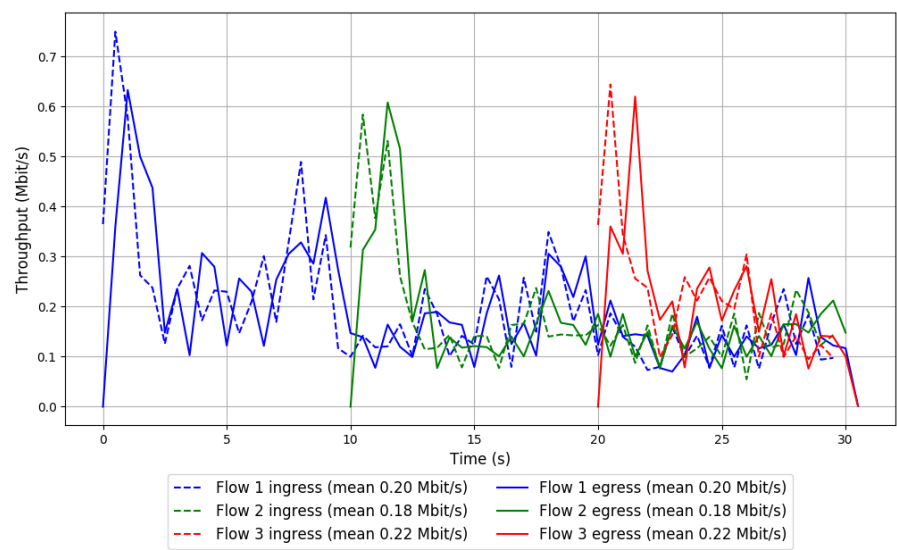


Run 7: Statistics of Sprout

Start at: 2018-05-31 13:36:36
End at: 2018-05-31 13:37:06
Local clock offset: -0.26 ms
Remote clock offset: -0.014 ms

```
# Below is generated by plot.py at 2018-05-31 16:47:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 136.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.752 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.117 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

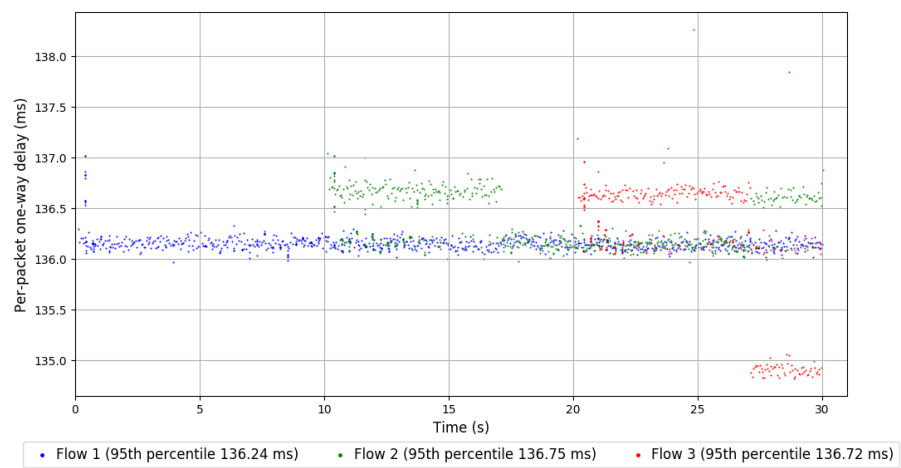
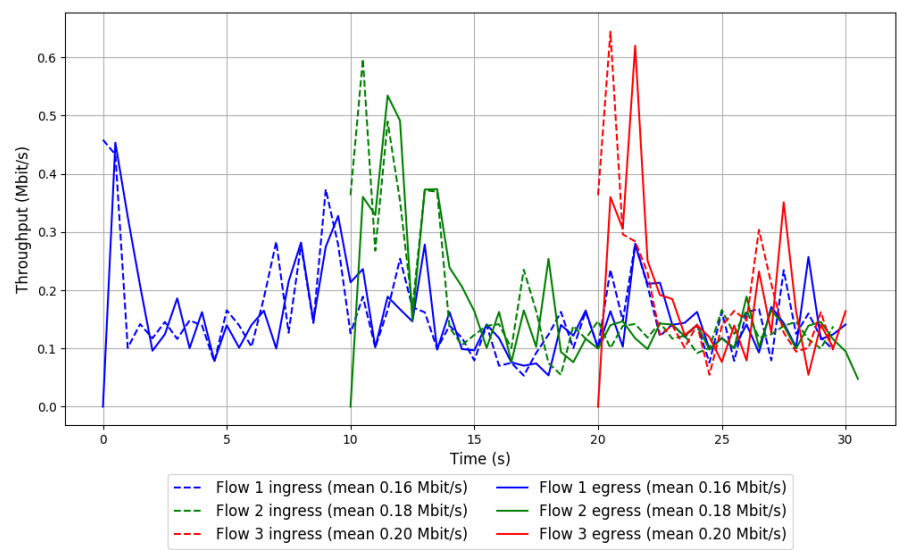


Run 8: Statistics of Sprout

Start at: 2018-05-31 14:01:32
End at: 2018-05-31 14:02:02
Local clock offset: -0.374 ms
Remote clock offset: -0.012 ms

```
# Below is generated by plot.py at 2018-05-31 16:47:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.716 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

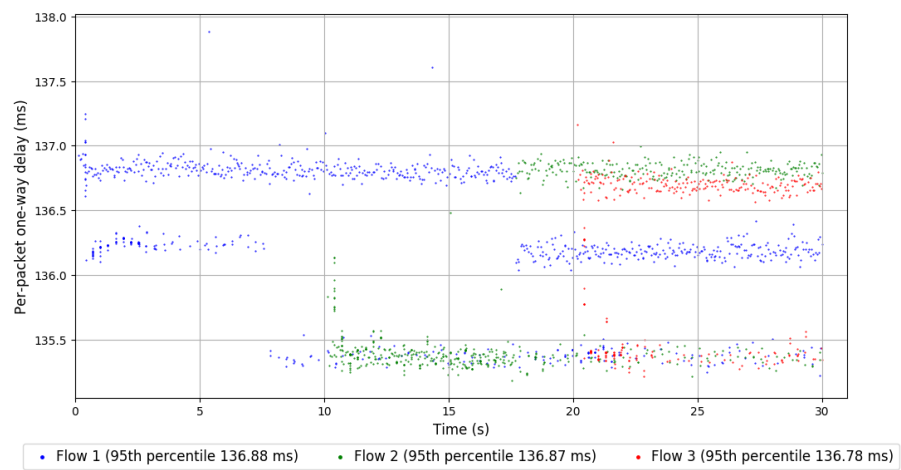
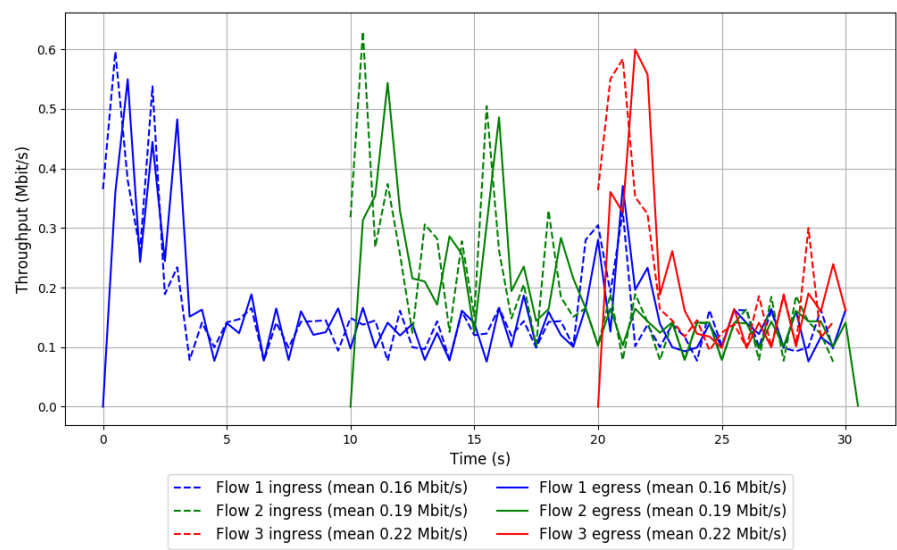


Run 9: Statistics of Sprout

Start at: 2018-05-31 14:27:02
End at: 2018-05-31 14:27:32
Local clock offset: -0.326 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.872 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.777 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

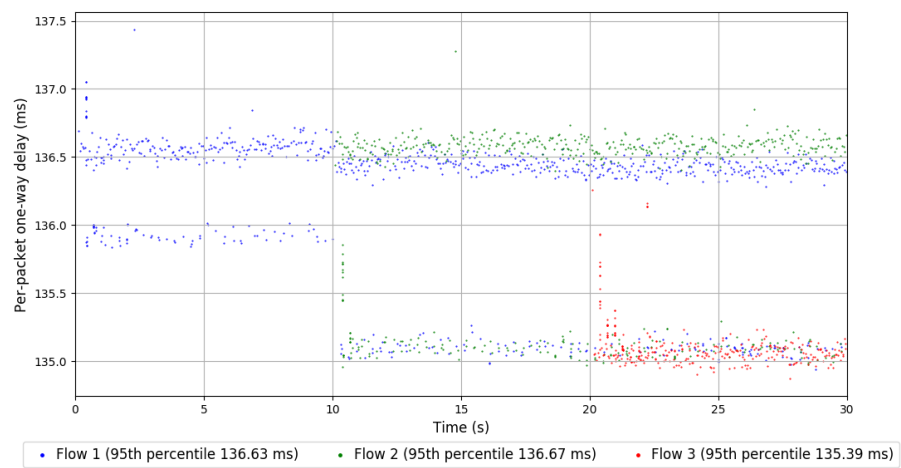
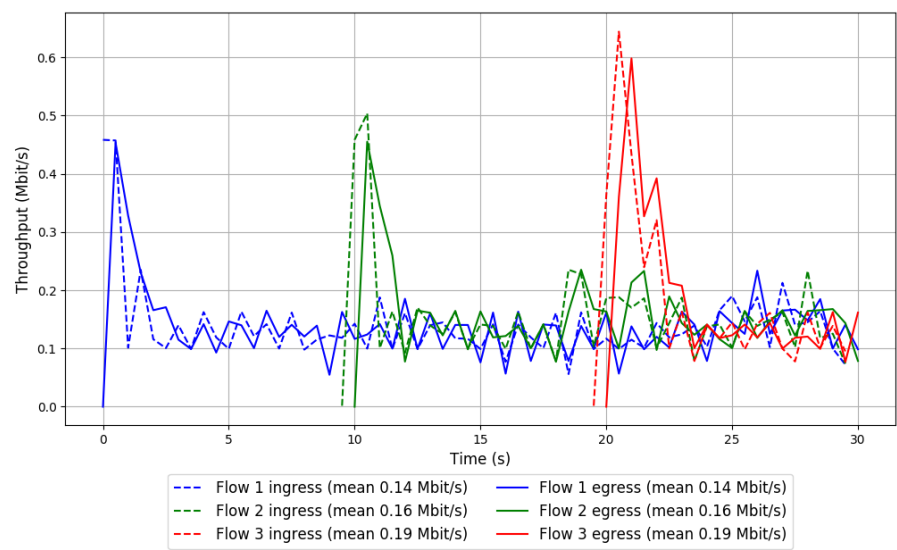


Run 10: Statistics of Sprout

Start at: 2018-05-31 14:52:29
End at: 2018-05-31 14:52:59
Local clock offset: -0.097 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.628 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 135.393 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

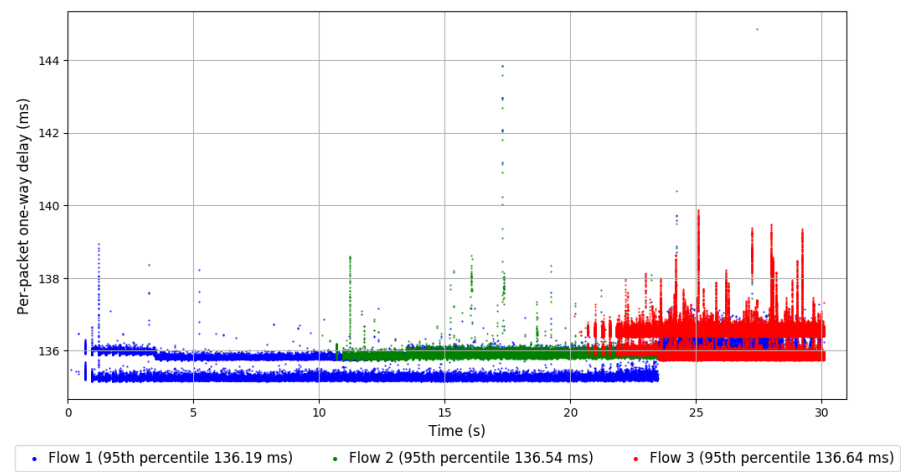
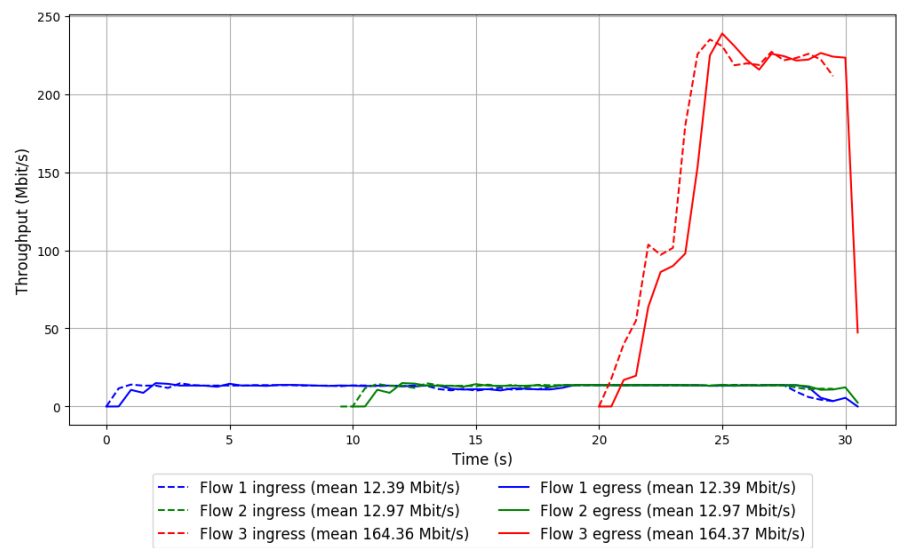


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-31 11:00:56
End at: 2018-05-31 11:01:26
Local clock offset: -0.267 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 136.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 136.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 136.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 164.37 Mbit/s
95th percentile per-packet one-way delay: 136.637 ms
Loss rate: 0.00%

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

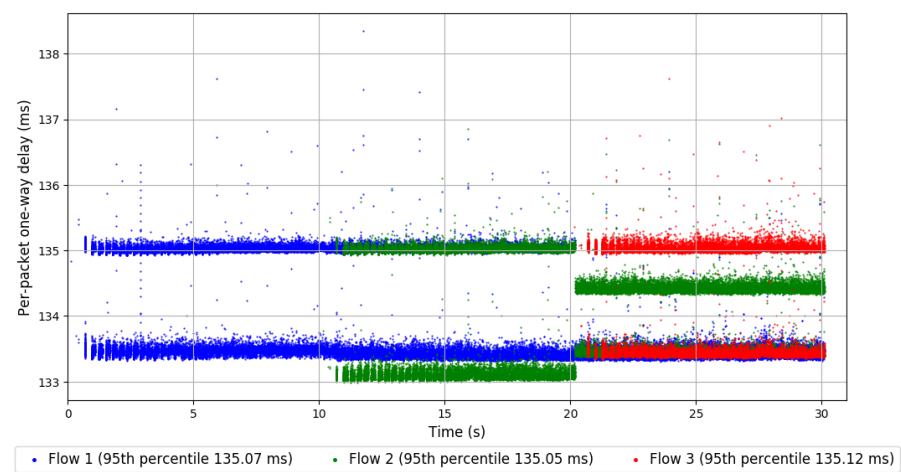
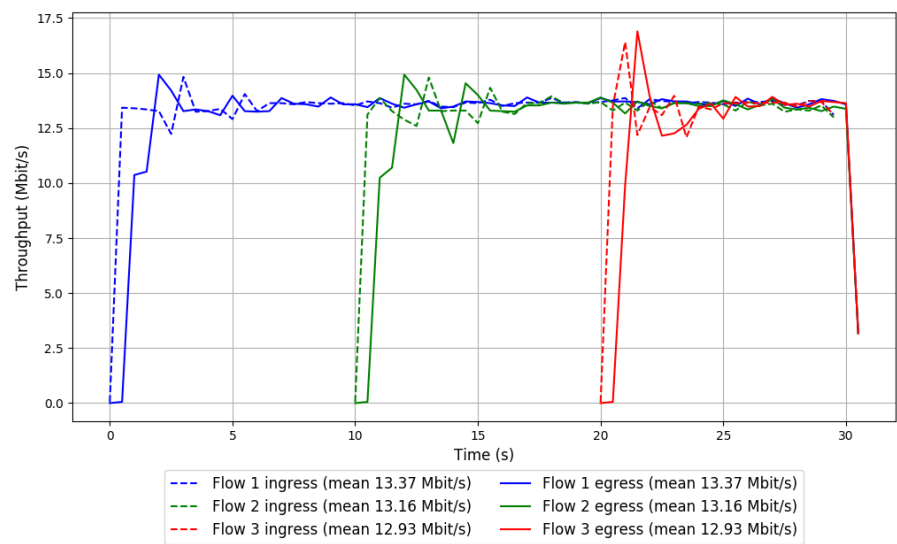


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-31 11:25:39
End at: 2018-05-31 11:26:09
Local clock offset: 1.168 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-05-31 16:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 135.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 135.072 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 135.053 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 135.124 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-31 11:50:15

End at: 2018-05-31 11:50:45

Local clock offset: 0.106 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-05-31 16:49:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.12 Mbit/s

95th percentile per-packet one-way delay: 136.101 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 194.28 Mbit/s

95th percentile per-packet one-way delay: 136.101 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 136.095 ms

Loss rate: 0.00%

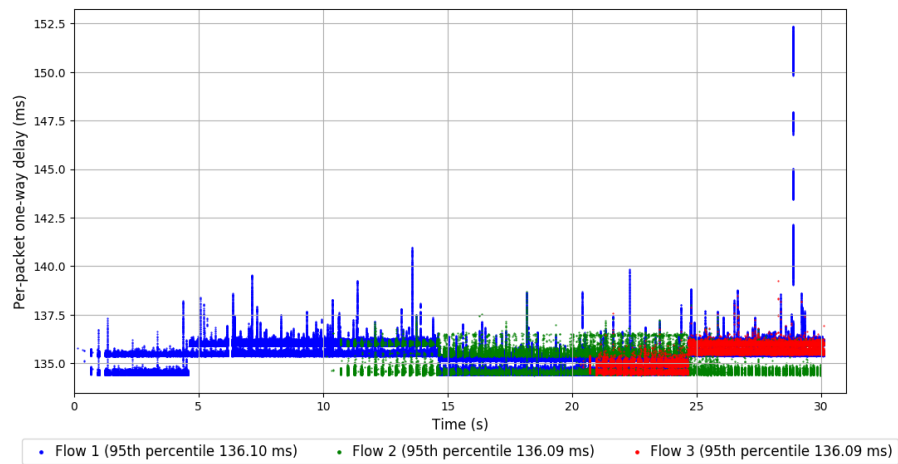
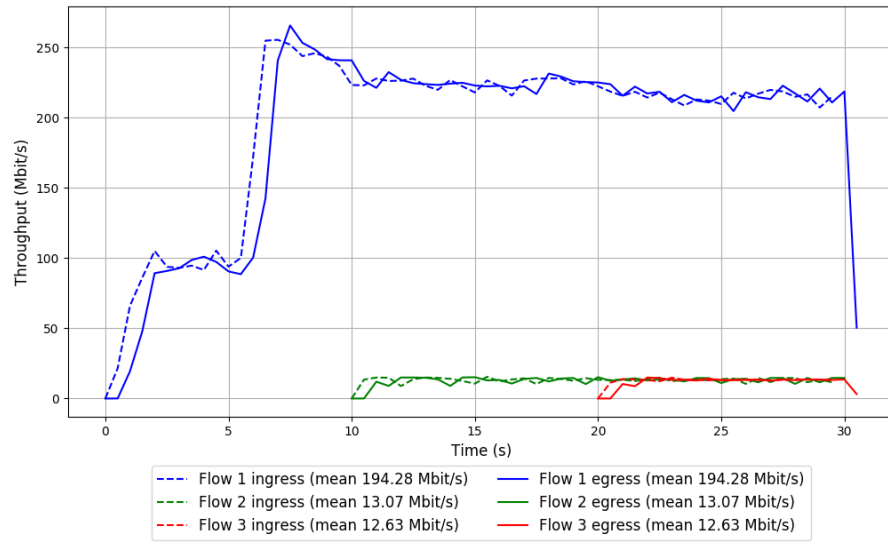
-- Flow 3:

Average throughput: 12.63 Mbit/s

95th percentile per-packet one-way delay: 136.091 ms

Loss rate: 0.01%

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

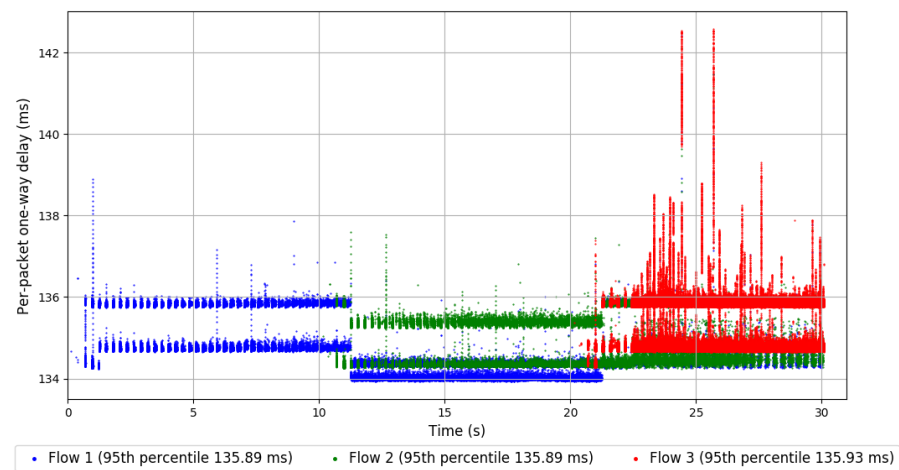
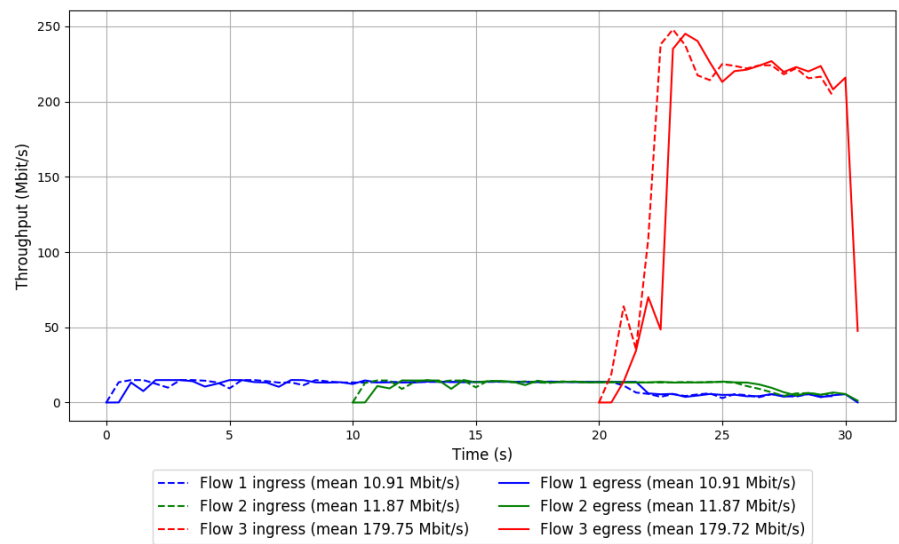


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-31 12:15:18
End at: 2018-05-31 12:15:48
Local clock offset: -0.074 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-05-31 16:49:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 135.923 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 135.886 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 135.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.72 Mbit/s
95th percentile per-packet one-way delay: 135.933 ms
Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-31 12:40:06

End at: 2018-05-31 12:40:36

Local clock offset: -0.541 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-05-31 16:49:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.96 Mbit/s

95th percentile per-packet one-way delay: 136.239 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 136.239 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 195.02 Mbit/s

95th percentile per-packet one-way delay: 136.232 ms

Loss rate: 0.07%

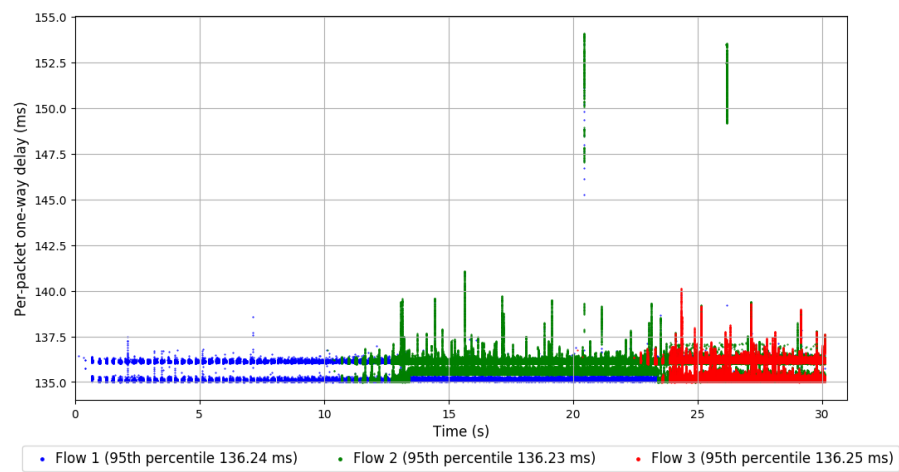
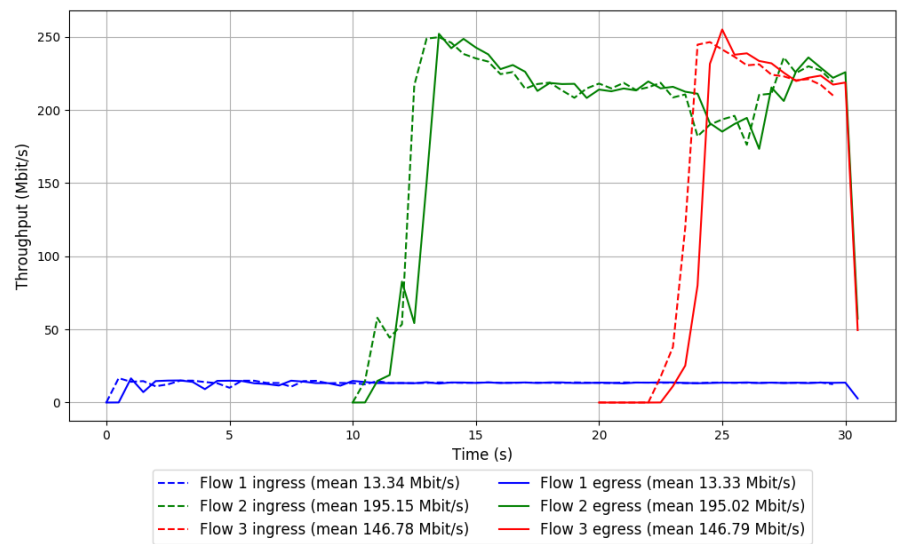
-- Flow 3:

Average throughput: 146.79 Mbit/s

95th percentile per-packet one-way delay: 136.253 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-31 13:05:10

End at: 2018-05-31 13:05:40

Local clock offset: -0.127 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2018-05-31 16:49:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 206.94 Mbit/s

95th percentile per-packet one-way delay: 136.029 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 135.847 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 198.98 Mbit/s

95th percentile per-packet one-way delay: 136.037 ms

Loss rate: 0.00%

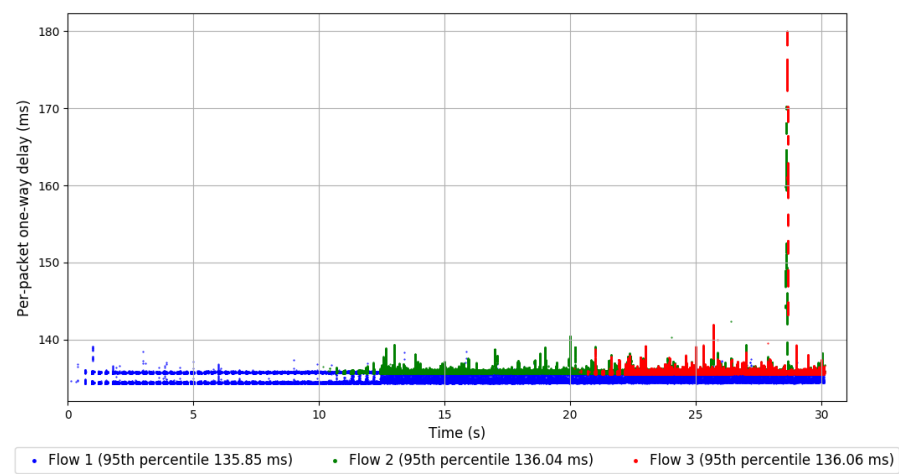
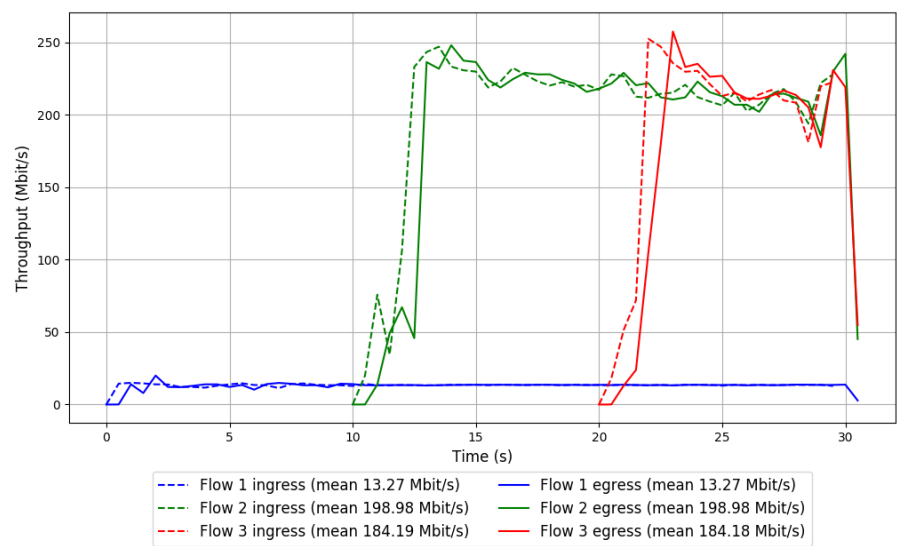
-- Flow 3:

Average throughput: 184.18 Mbit/s

95th percentile per-packet one-way delay: 136.058 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-31 13:30:33

End at: 2018-05-31 13:31:03

Local clock offset: -0.141 ms

Remote clock offset: 0.427 ms

Below is generated by plot.py at 2018-05-31 16:54:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.53 Mbit/s

95th percentile per-packet one-way delay: 137.136 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 188.16 Mbit/s

95th percentile per-packet one-way delay: 136.958 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 162.40 Mbit/s

95th percentile per-packet one-way delay: 136.932 ms

Loss rate: 0.00%

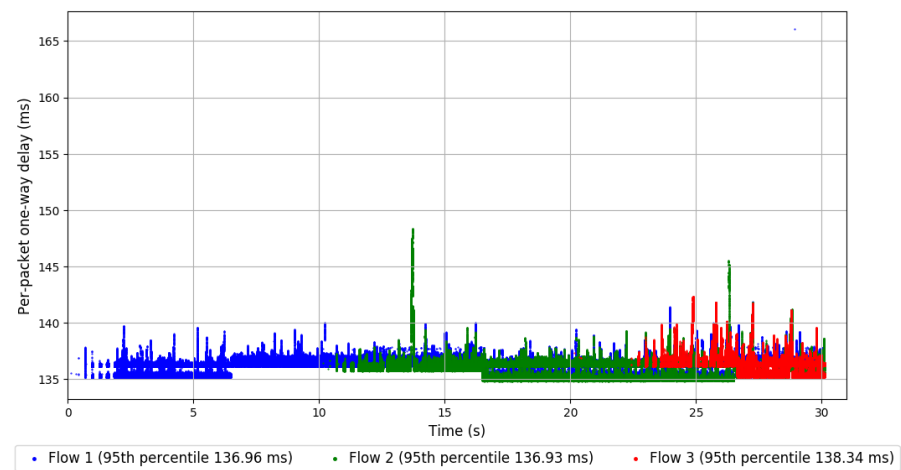
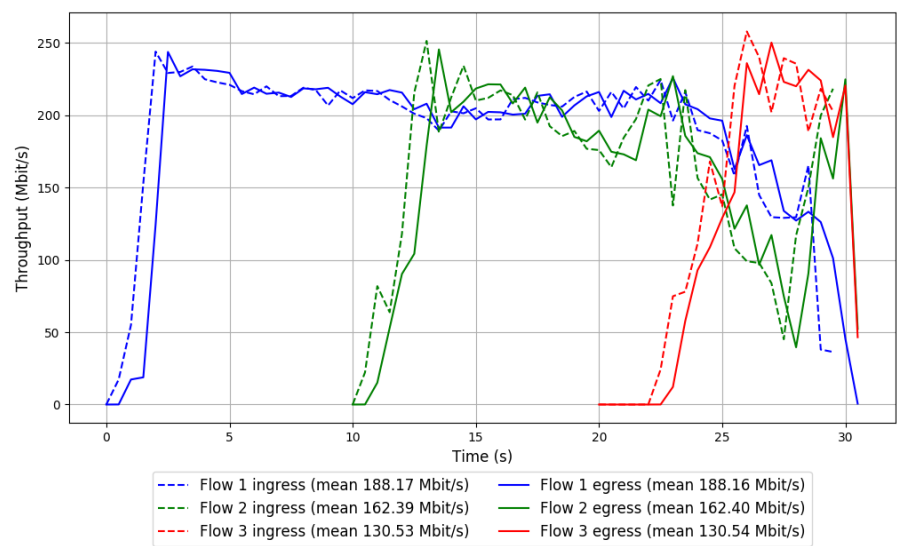
-- Flow 3:

Average throughput: 130.54 Mbit/s

95th percentile per-packet one-way delay: 138.340 ms

Loss rate: 0.00%

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

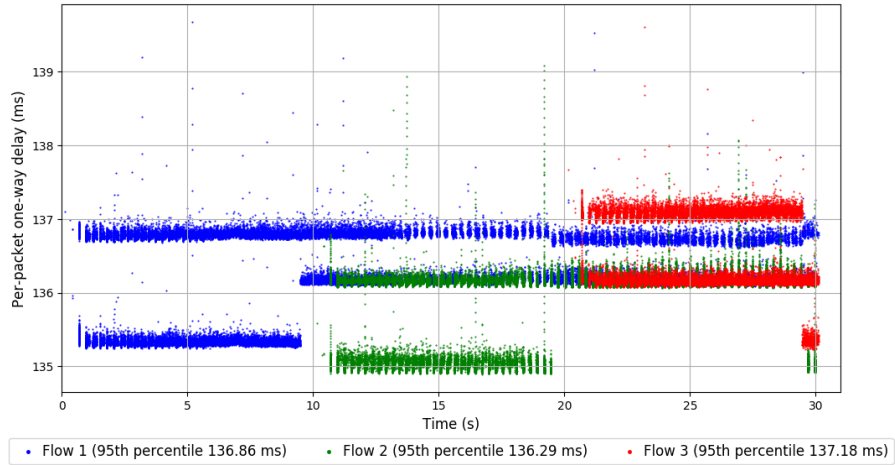
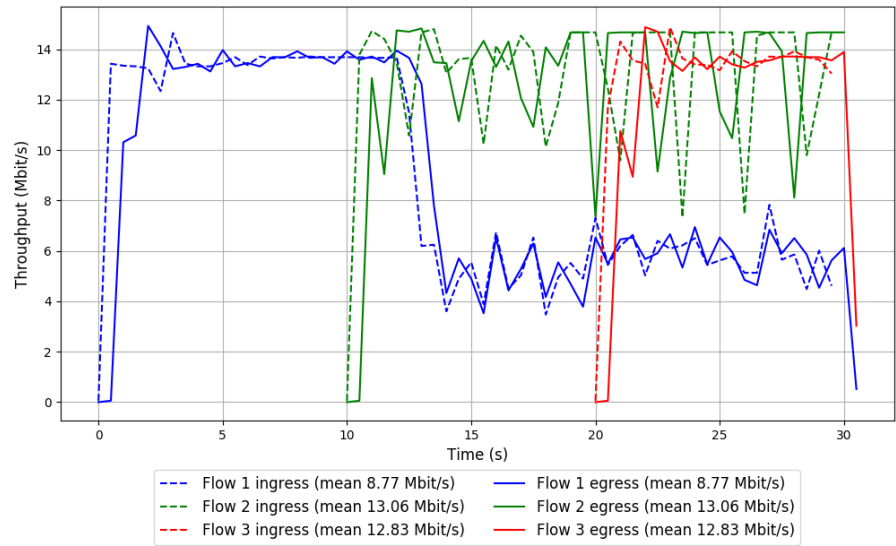


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-31 13:56:00
End at: 2018-05-31 13:56:30
Local clock offset: -0.558 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-31 16:54:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 137.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 136.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 136.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 137.176 ms
Loss rate: 0.00%

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

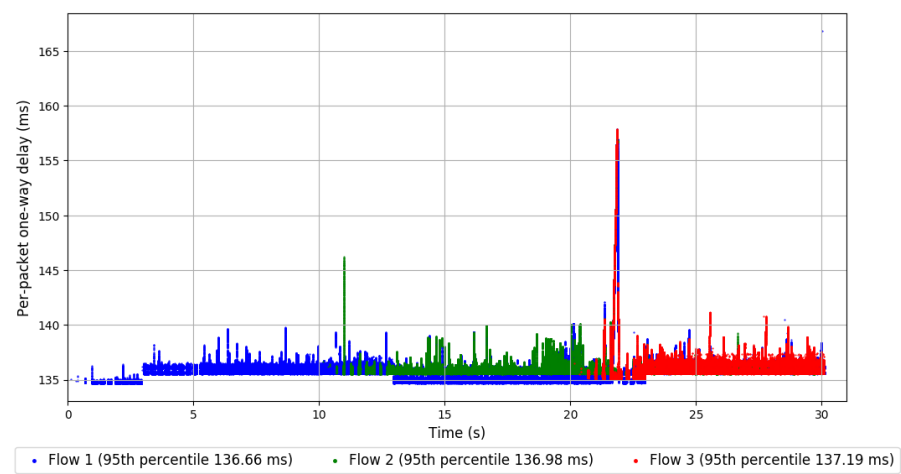
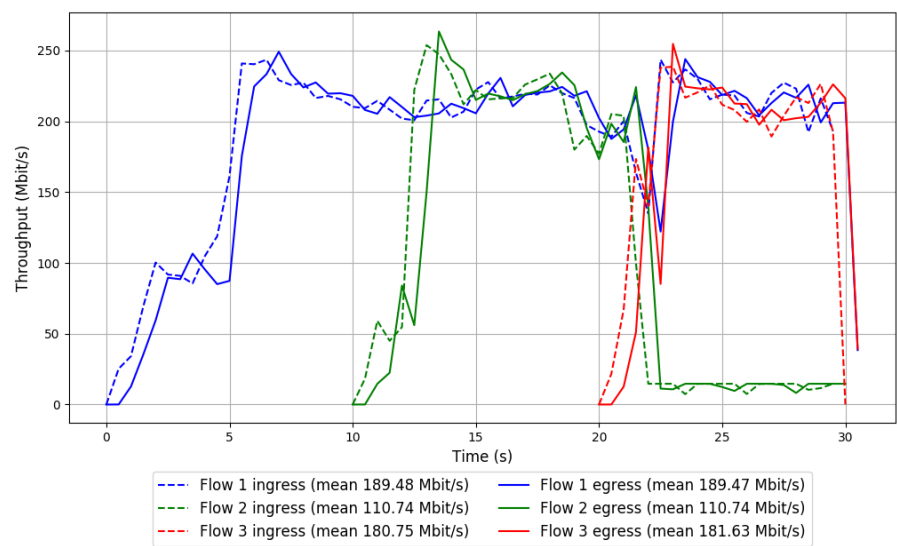


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-31 14:20:56
End at: 2018-05-31 14:21:26
Local clock offset: 0.068 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-31 16:55:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.01 Mbit/s
95th percentile per-packet one-way delay: 136.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.47 Mbit/s
95th percentile per-packet one-way delay: 136.664 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 110.74 Mbit/s
95th percentile per-packet one-way delay: 136.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 181.63 Mbit/s
95th percentile per-packet one-way delay: 137.186 ms
Loss rate: 0.00%

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

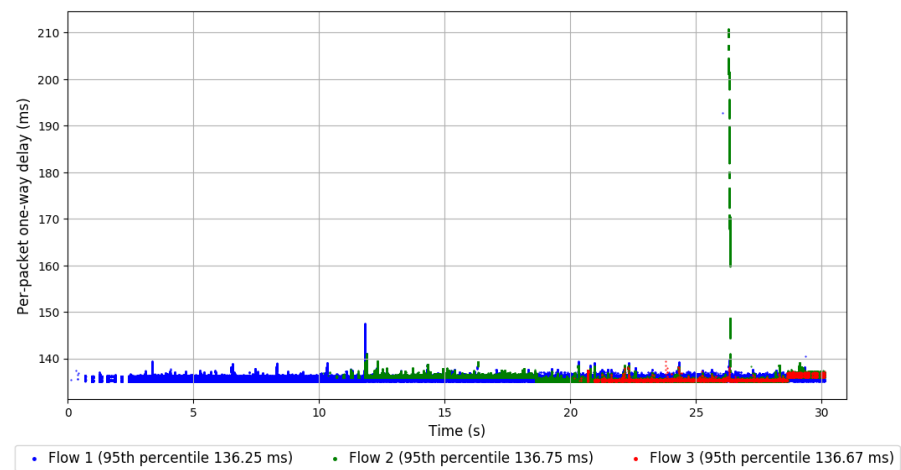
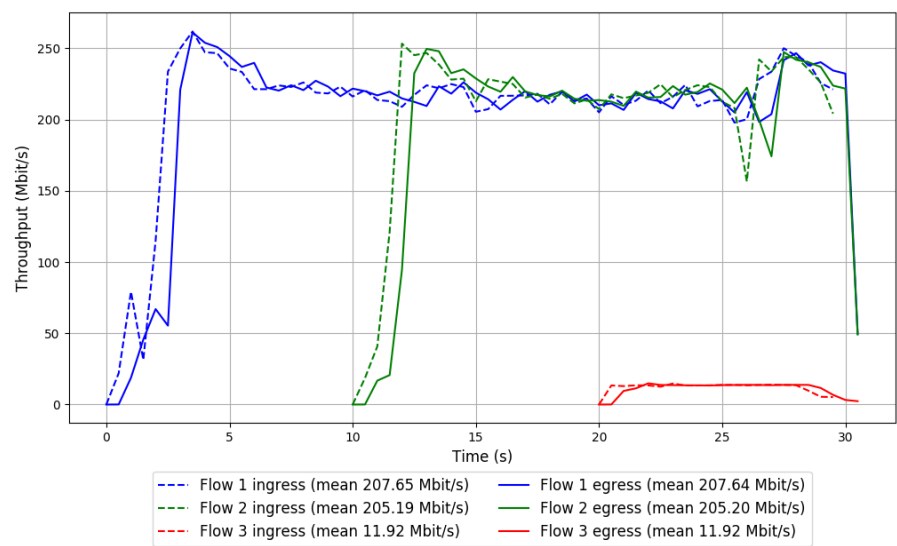


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-31 14:46:21
End at: 2018-05-31 14:46:51
Local clock offset: -0.327 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-31 16:56:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.27 Mbit/s
95th percentile per-packet one-way delay: 136.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.64 Mbit/s
95th percentile per-packet one-way delay: 136.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 205.20 Mbit/s
95th percentile per-packet one-way delay: 136.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 136.673 ms
Loss rate: 0.00%

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

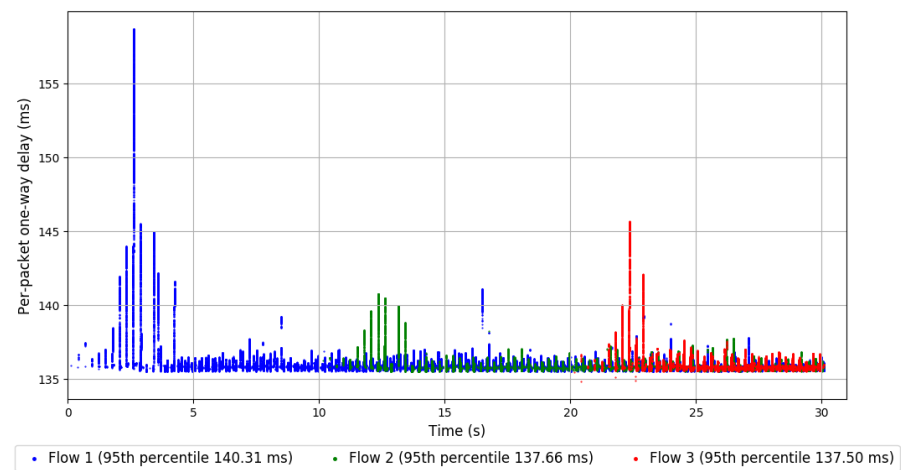
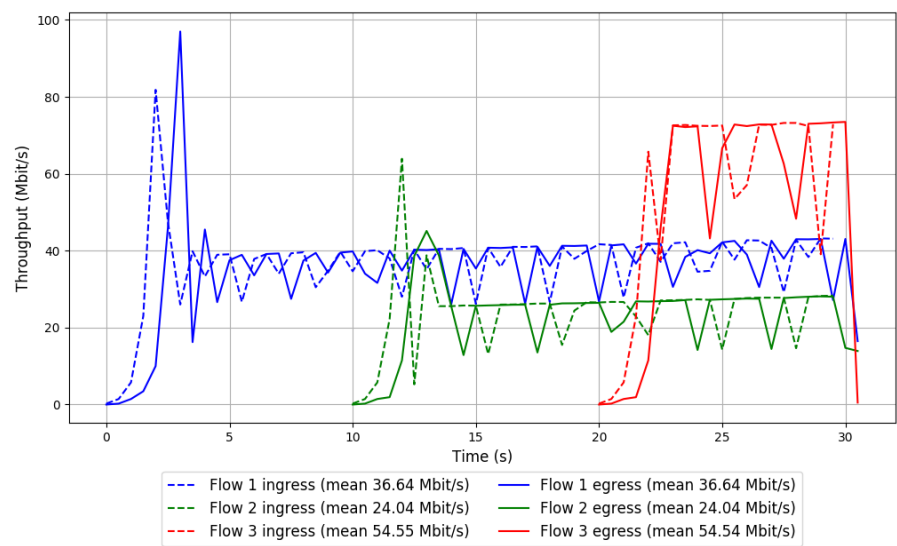


Run 1: Statistics of TCP Vegas

Start at: 2018-05-31 10:54:43
End at: 2018-05-31 10:55:13
Local clock offset: -0.436 ms
Remote clock offset: -0.674 ms

Below is generated by plot.py at 2018-05-31 16:56:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 138.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 140.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 137.659 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 137.498 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-31 11:19:33

End at: 2018-05-31 11:20:03

Local clock offset: -0.23 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-05-31 16:56:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.25 Mbit/s

95th percentile per-packet one-way delay: 143.856 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.46 Mbit/s

95th percentile per-packet one-way delay: 139.378 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.03 Mbit/s

95th percentile per-packet one-way delay: 146.559 ms

Loss rate: 0.00%

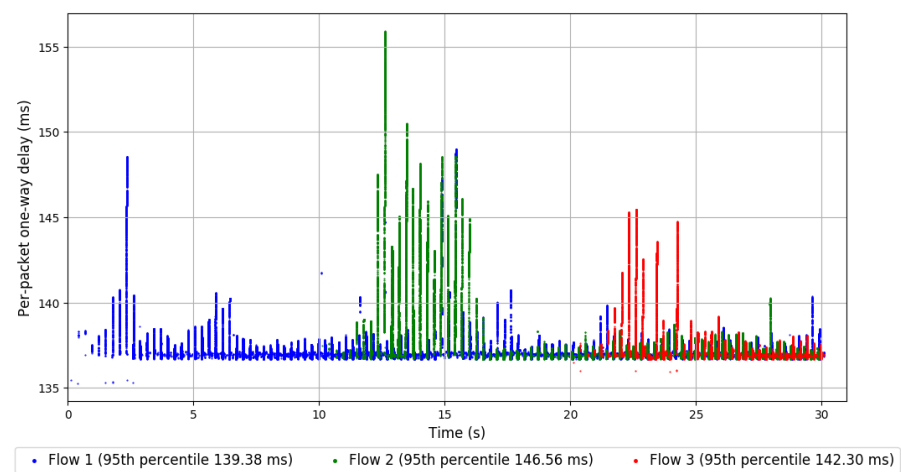
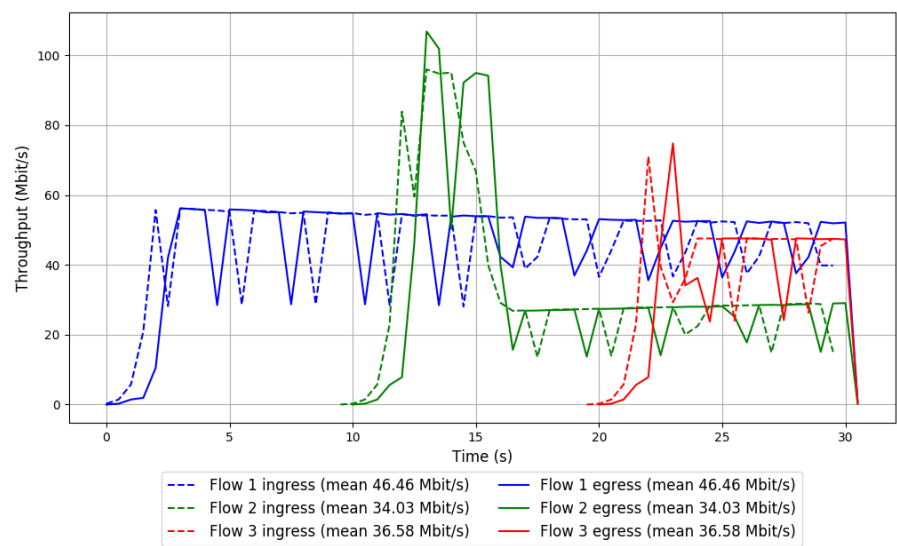
-- Flow 3:

Average throughput: 36.58 Mbit/s

95th percentile per-packet one-way delay: 142.303 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

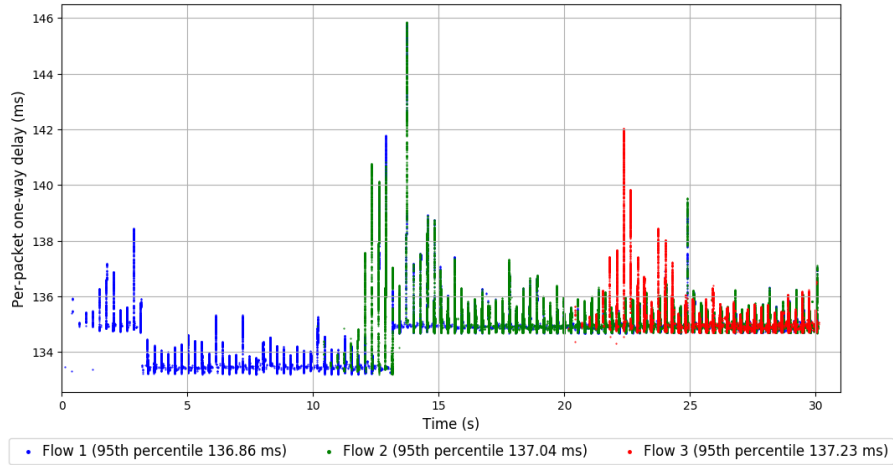
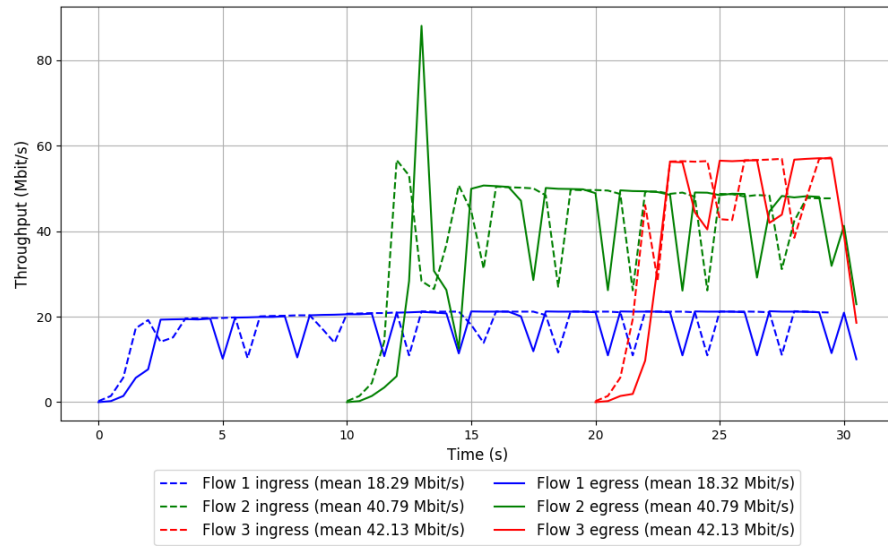


Run 3: Statistics of TCP Vegas

Start at: 2018-05-31 11:44:06
End at: 2018-05-31 11:44:36
Local clock offset: 1.334 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-05-31 16:56:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 137.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 136.858 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 137.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 137.229 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

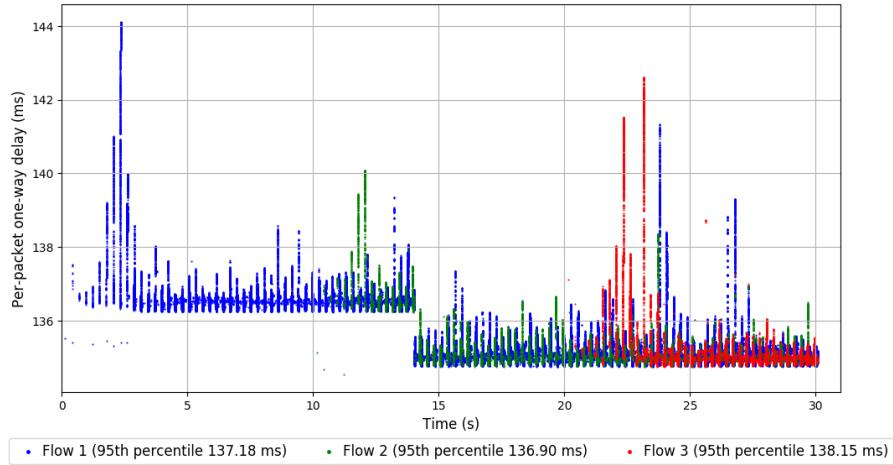
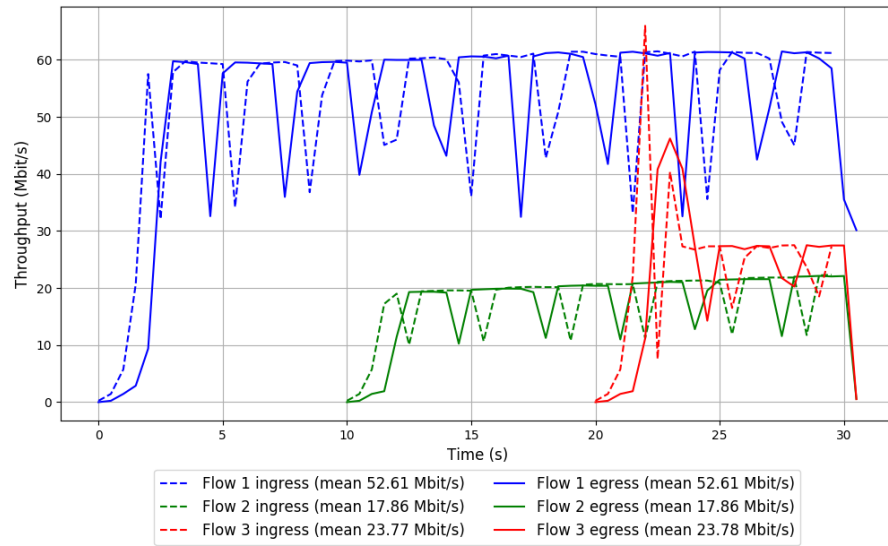


Run 4: Statistics of TCP Vegas

Start at: 2018-05-31 12:09:05
End at: 2018-05-31 12:09:35
Local clock offset: -0.175 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-31 16:56:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.38 Mbit/s
95th percentile per-packet one-way delay: 137.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.61 Mbit/s
95th percentile per-packet one-way delay: 137.178 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 136.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 138.149 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-31 12:34:03

End at: 2018-05-31 12:34:33

Local clock offset: 1.172 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-05-31 16:56:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.56 Mbit/s

95th percentile per-packet one-way delay: 138.781 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 25.28 Mbit/s

95th percentile per-packet one-way delay: 137.020 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.03 Mbit/s

95th percentile per-packet one-way delay: 141.168 ms

Loss rate: 0.09%

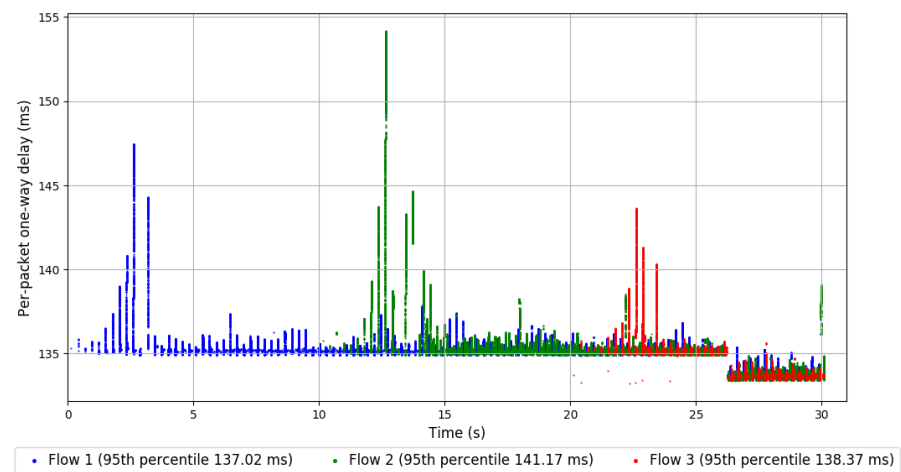
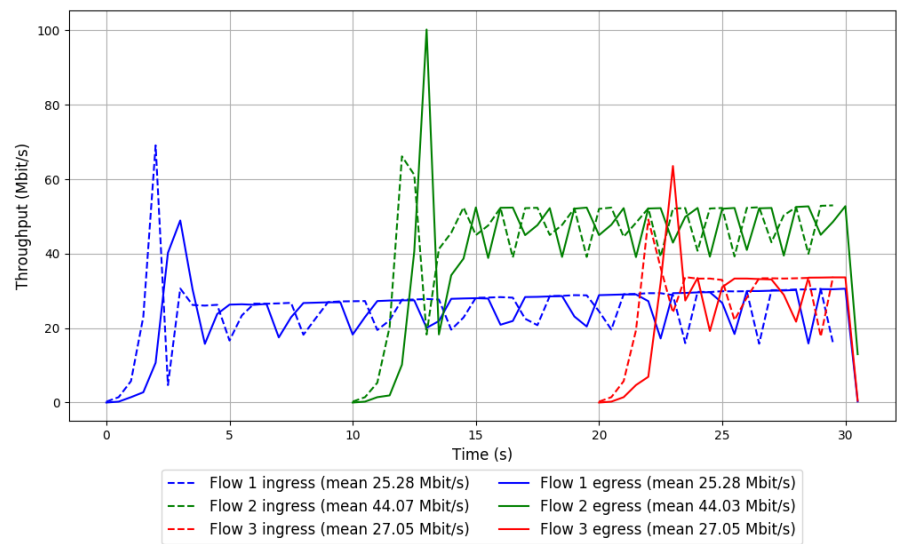
-- Flow 3:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 138.374 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

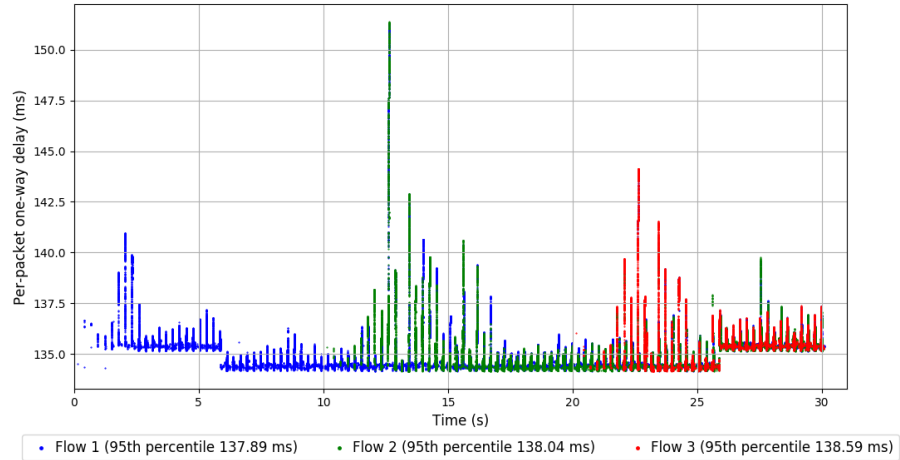
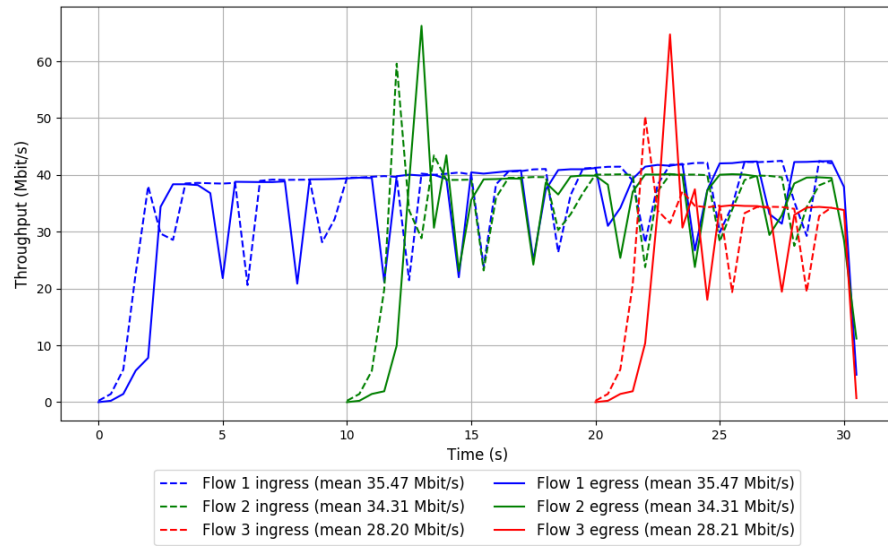


Run 6: Statistics of TCP Vegas

Start at: 2018-05-31 12:59:03
End at: 2018-05-31 12:59:33
Local clock offset: -0.088 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-05-31 16:56:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.67 Mbit/s
95th percentile per-packet one-way delay: 138.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 137.893 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 138.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 138.589 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-31 13:24:21

End at: 2018-05-31 13:24:51

Local clock offset: 0.047 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-05-31 16:56:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.43 Mbit/s

95th percentile per-packet one-way delay: 139.342 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 139.533 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.27 Mbit/s

95th percentile per-packet one-way delay: 138.163 ms

Loss rate: 0.00%

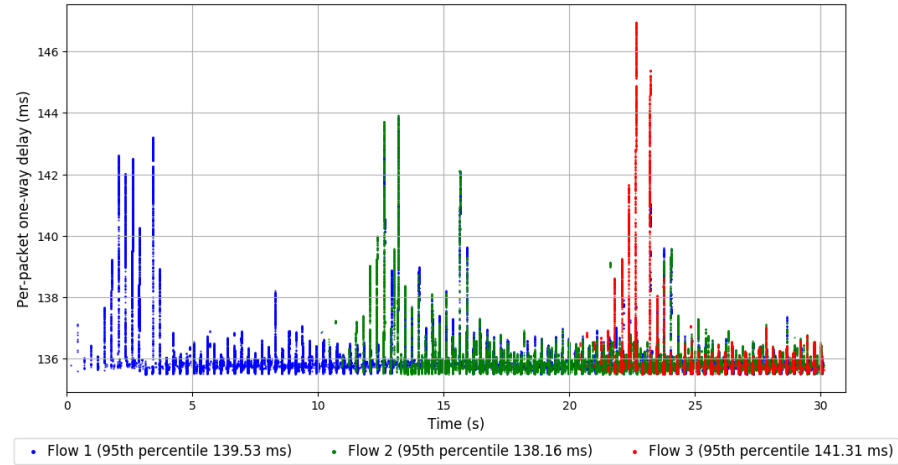
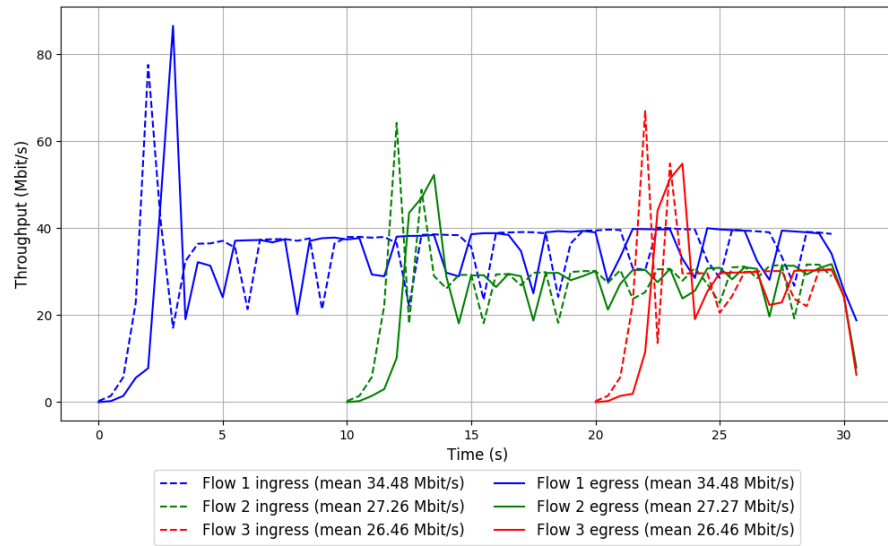
-- Flow 3:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 141.306 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

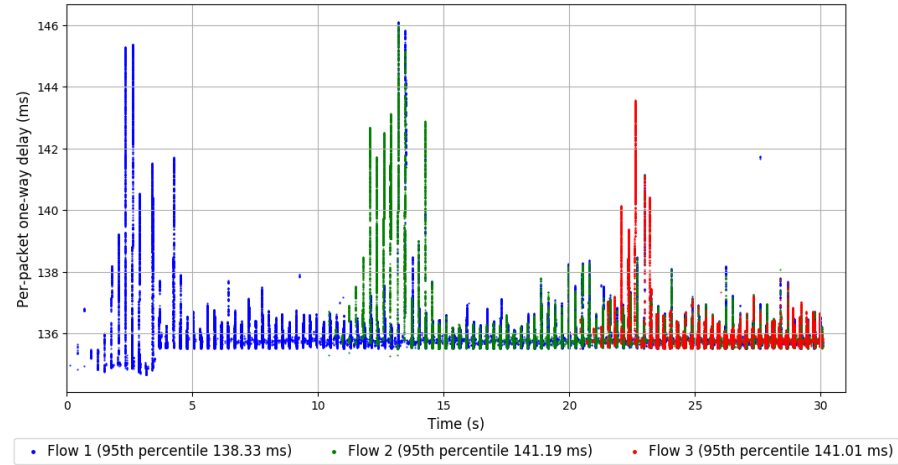
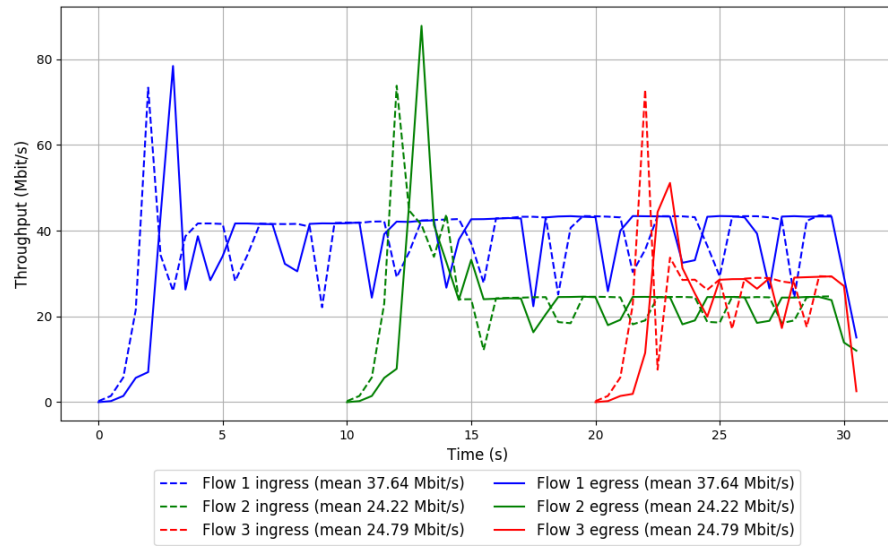


Run 8: Statistics of TCP Vegas

Start at: 2018-05-31 13:49:46
End at: 2018-05-31 13:50:16
Local clock offset: -0.001 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-31 16:56:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 140.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 138.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 141.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 141.007 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-31 14:14:47

End at: 2018-05-31 14:15:17

Local clock offset: -0.398 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-31 16:56:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.04 Mbit/s

95th percentile per-packet one-way delay: 137.908 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.43 Mbit/s

95th percentile per-packet one-way delay: 137.493 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.61 Mbit/s

95th percentile per-packet one-way delay: 137.838 ms

Loss rate: 0.00%

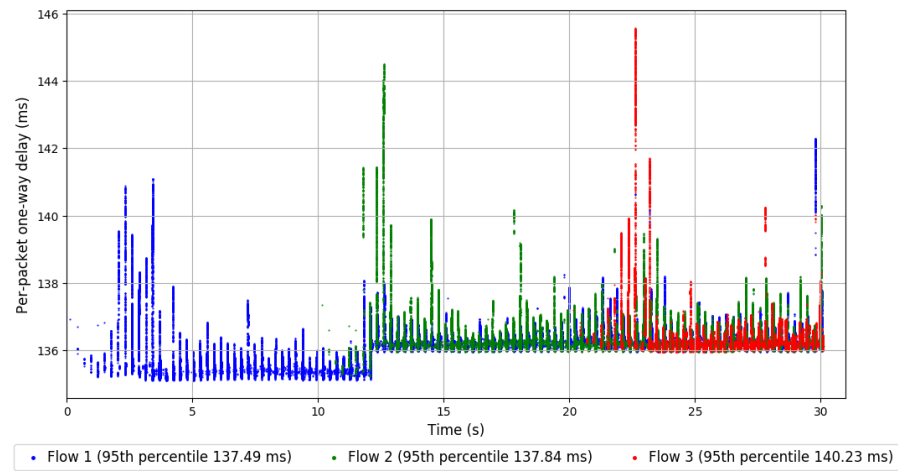
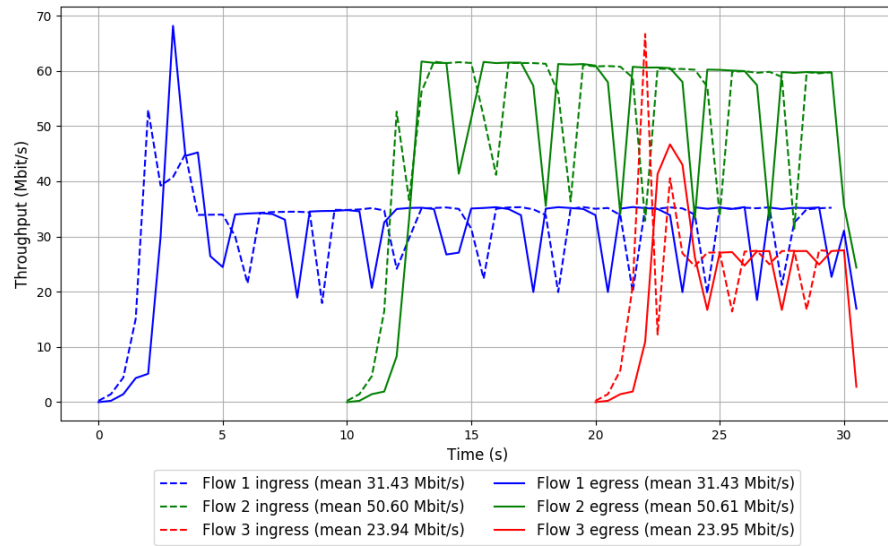
-- Flow 3:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 140.234 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

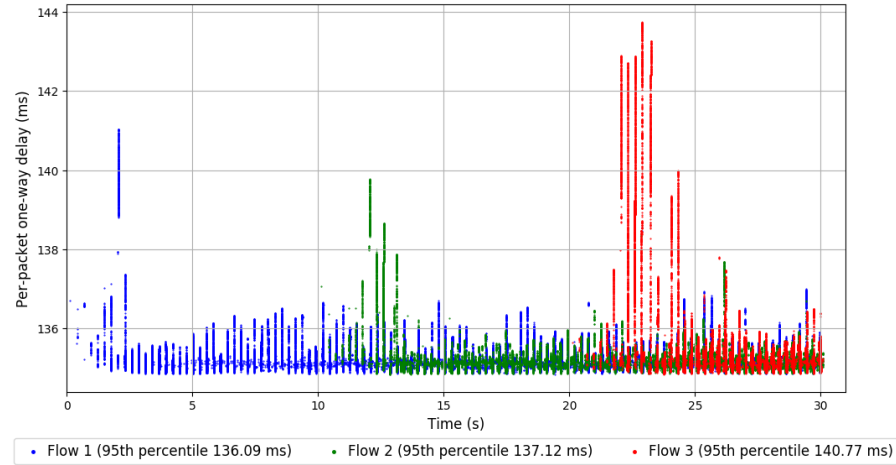
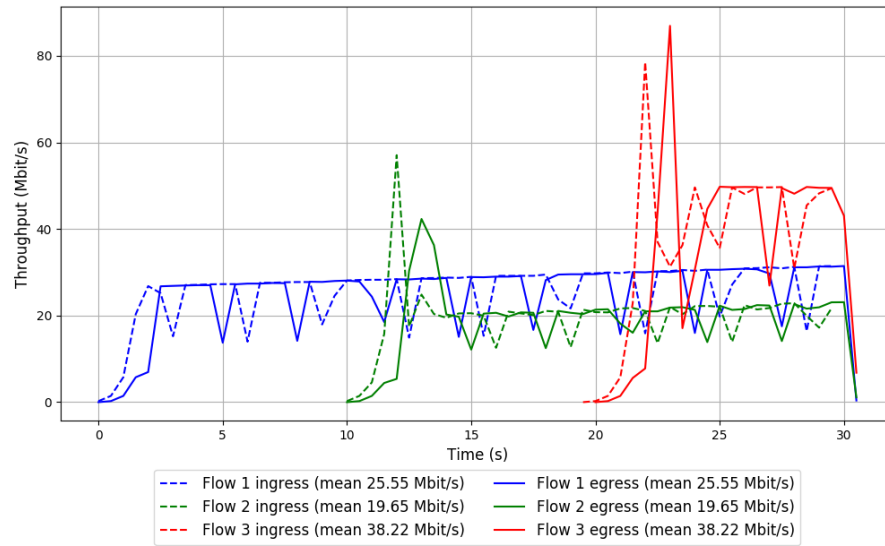


Run 10: Statistics of TCP Vegas

Start at: 2018-05-31 14:40:11
End at: 2018-05-31 14:40:41
Local clock offset: -0.041 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-31 16:56:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 137.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.55 Mbit/s
95th percentile per-packet one-way delay: 136.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.65 Mbit/s
95th percentile per-packet one-way delay: 137.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 140.768 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

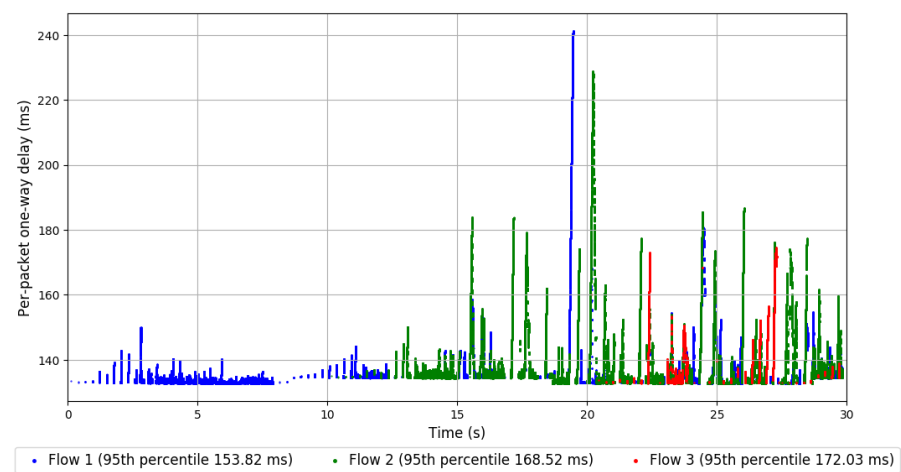
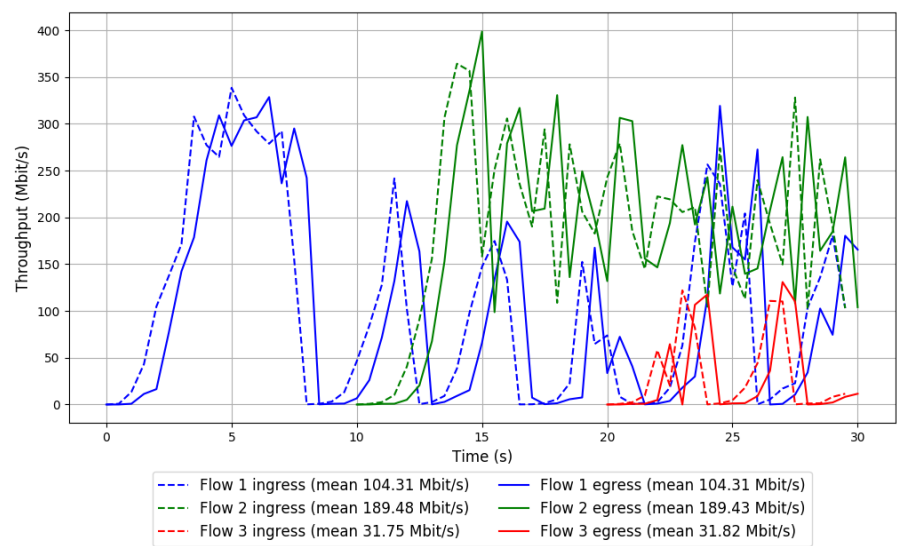


Run 1: Statistics of Verus

Start at: 2018-05-31 11:07:40
End at: 2018-05-31 11:08:10
Local clock offset: 1.317 ms
Remote clock offset: -0.689 ms

Below is generated by plot.py at 2018-05-31 16:56:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.11 Mbit/s
95th percentile per-packet one-way delay: 166.588 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 104.31 Mbit/s
95th percentile per-packet one-way delay: 153.822 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 189.43 Mbit/s
95th percentile per-packet one-way delay: 168.516 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 172.026 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-31 11:32:27

End at: 2018-05-31 11:32:57

Local clock offset: 5.797 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-05-31 16:56:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 187.85 Mbit/s

95th percentile per-packet one-way delay: 232.377 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 62.17 Mbit/s

95th percentile per-packet one-way delay: 171.115 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 191.75 Mbit/s

95th percentile per-packet one-way delay: 239.215 ms

Loss rate: 0.22%

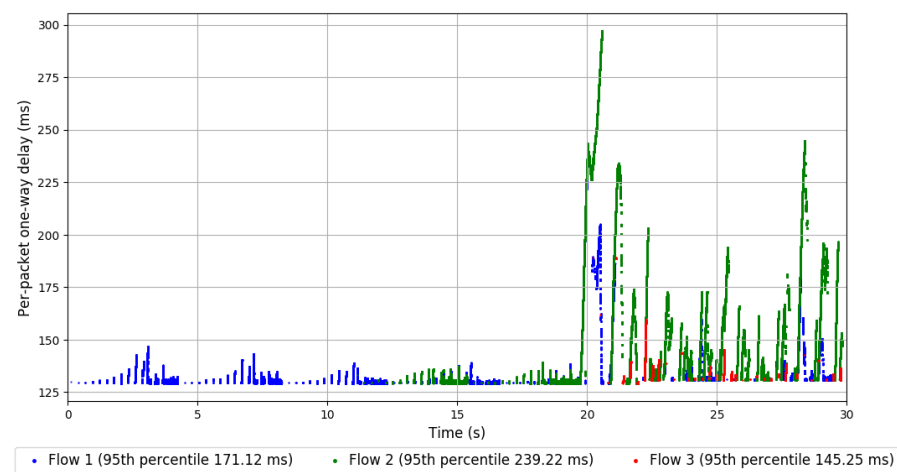
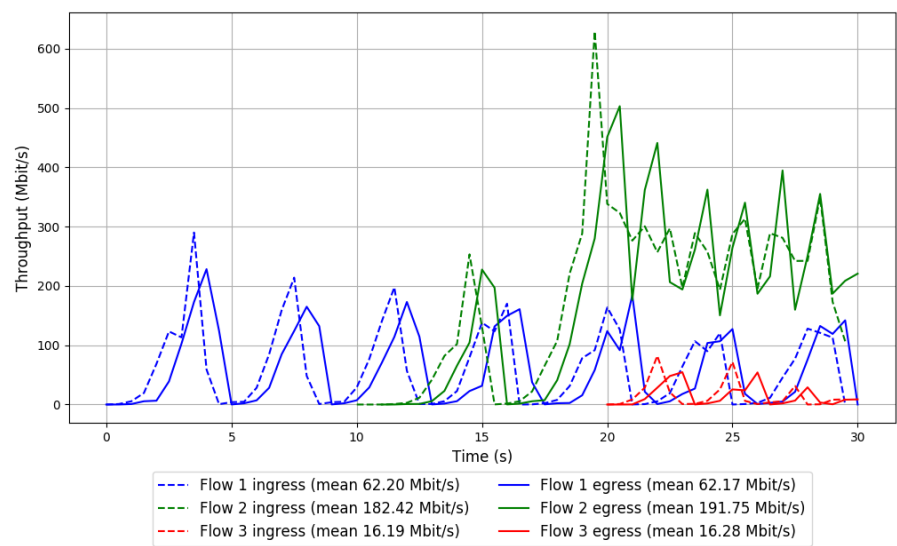
-- Flow 3:

Average throughput: 16.28 Mbit/s

95th percentile per-packet one-way delay: 145.247 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-05-31 11:57:19

End at: 2018-05-31 11:57:49

Local clock offset: 1.351 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-31 16:57:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.08 Mbit/s

95th percentile per-packet one-way delay: 289.993 ms

Loss rate: 8.91%

-- Flow 1:

Average throughput: 242.33 Mbit/s

95th percentile per-packet one-way delay: 273.199 ms

Loss rate: 6.98%

-- Flow 2:

Average throughput: 141.06 Mbit/s

95th percentile per-packet one-way delay: 314.585 ms

Loss rate: 14.45%

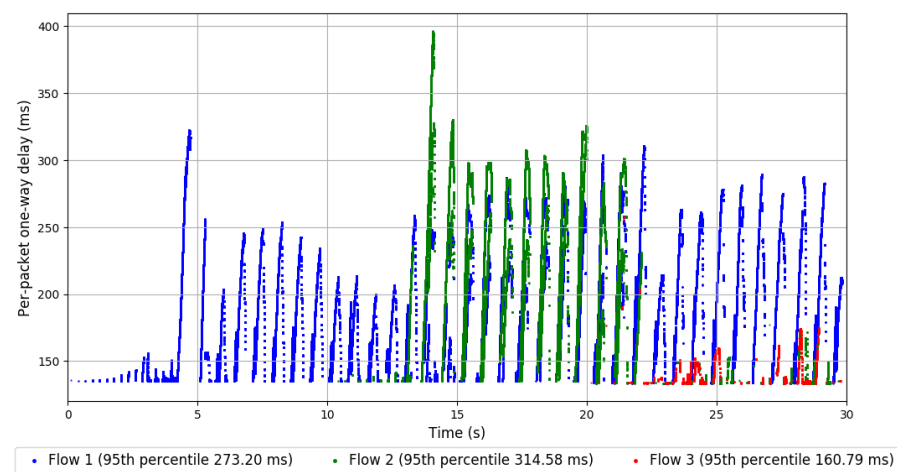
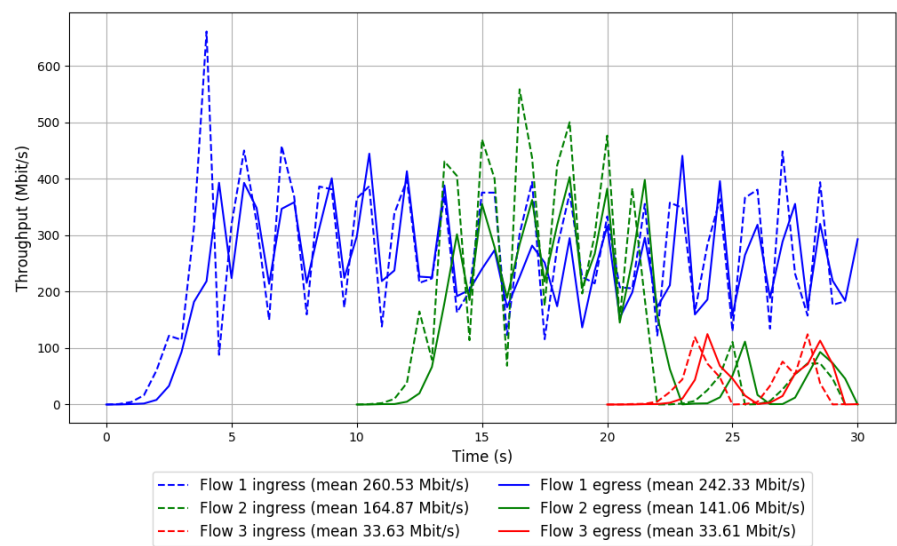
-- Flow 3:

Average throughput: 33.61 Mbit/s

95th percentile per-packet one-way delay: 160.789 ms

Loss rate: 0.02%

Run 3: Report of Verus — Data Link

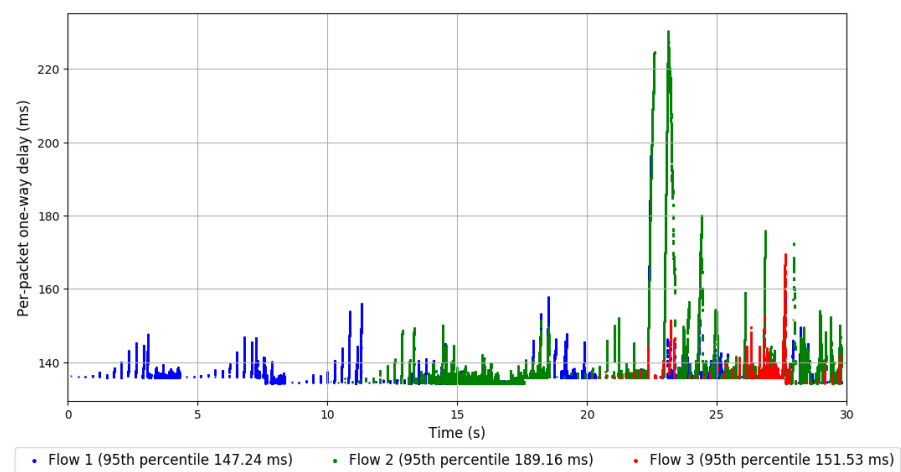
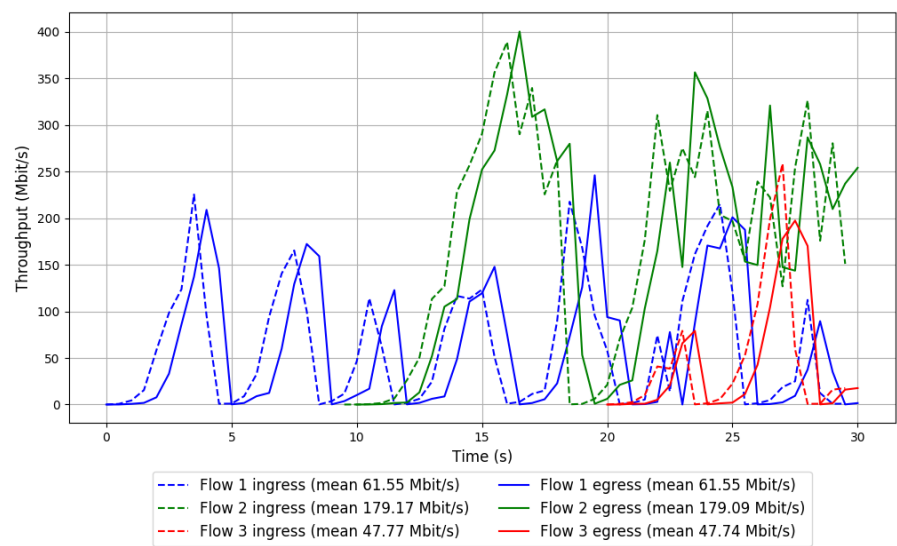


Run 4: Statistics of Verus

Start at: 2018-05-31 12:22:11
End at: 2018-05-31 12:22:42
Local clock offset: -0.012 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2018-05-31 16:57:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.73 Mbit/s
95th percentile per-packet one-way delay: 169.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 147.243 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.09 Mbit/s
95th percentile per-packet one-way delay: 189.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 151.534 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-31 12:47:13

End at: 2018-05-31 12:47:43

Local clock offset: -0.241 ms

Remote clock offset: 0.633 ms

Below is generated by plot.py at 2018-05-31 16:57:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.42 Mbit/s

95th percentile per-packet one-way delay: 199.959 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 154.26 Mbit/s

95th percentile per-packet one-way delay: 196.167 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 189.51 Mbit/s

95th percentile per-packet one-way delay: 203.920 ms

Loss rate: 0.00%

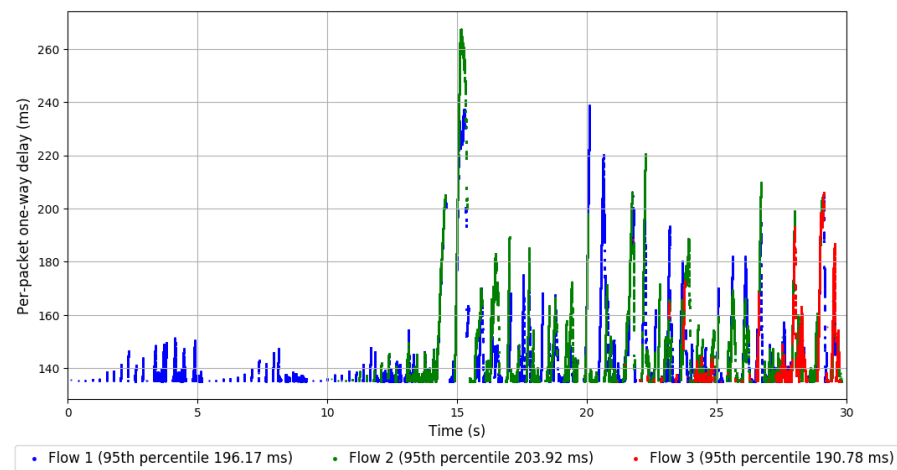
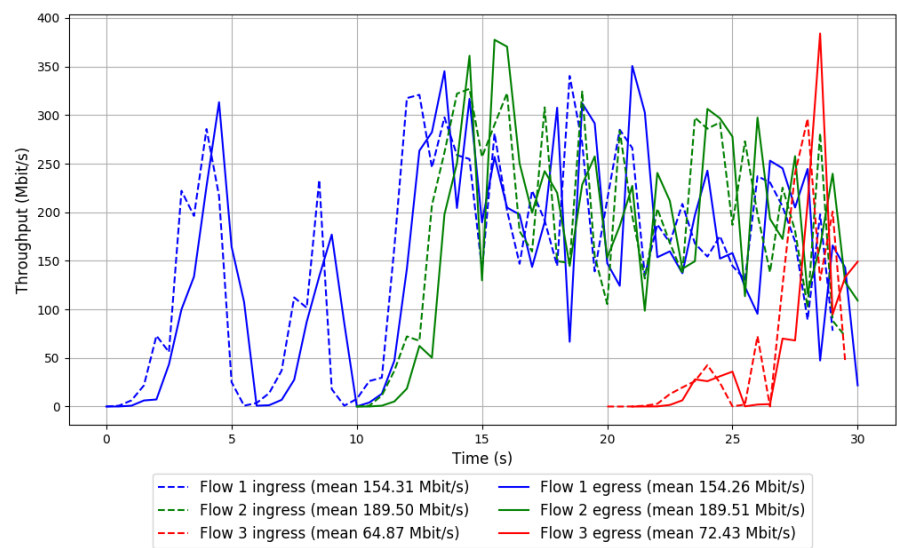
-- Flow 3:

Average throughput: 72.43 Mbit/s

95th percentile per-packet one-way delay: 190.780 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link

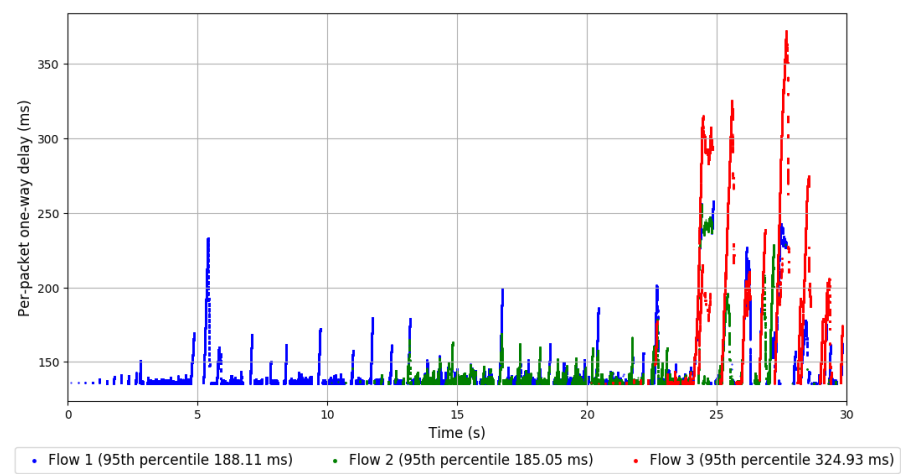
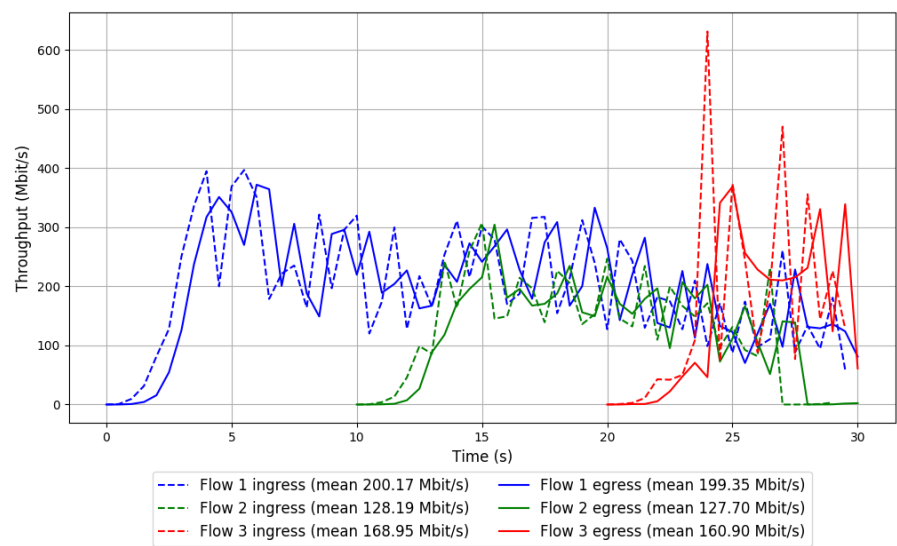


Run 6: Statistics of Verus

Start at: 2018-05-31 13:12:19
End at: 2018-05-31 13:12:49
Local clock offset: -0.106 ms
Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-05-31 16:59:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.29 Mbit/s
95th percentile per-packet one-way delay: 252.072 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 199.35 Mbit/s
95th percentile per-packet one-way delay: 188.112 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 127.70 Mbit/s
95th percentile per-packet one-way delay: 185.053 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 160.90 Mbit/s
95th percentile per-packet one-way delay: 324.926 ms
Loss rate: 4.78%

Run 6: Report of Verus — Data Link

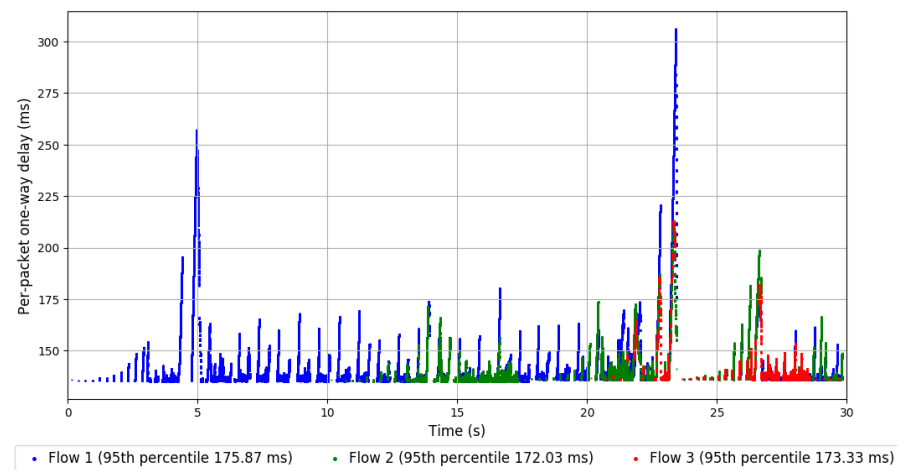
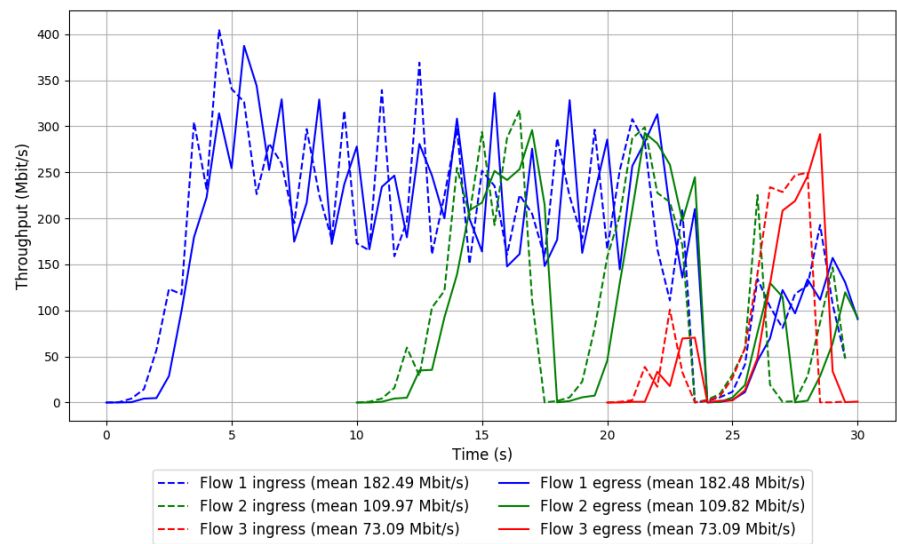


Run 7: Statistics of Verus

Start at: 2018-05-31 13:37:51
End at: 2018-05-31 13:38:21
Local clock offset: -0.364 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-31 16:59:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.63 Mbit/s
95th percentile per-packet one-way delay: 174.436 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 182.48 Mbit/s
95th percentile per-packet one-way delay: 175.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.82 Mbit/s
95th percentile per-packet one-way delay: 172.031 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 173.327 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-31 14:02:47

End at: 2018-05-31 14:03:17

Local clock offset: -0.049 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2018-05-31 16:59:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.05 Mbit/s

95th percentile per-packet one-way delay: 177.996 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 177.69 Mbit/s

95th percentile per-packet one-way delay: 178.952 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 118.27 Mbit/s

95th percentile per-packet one-way delay: 178.049 ms

Loss rate: 0.00%

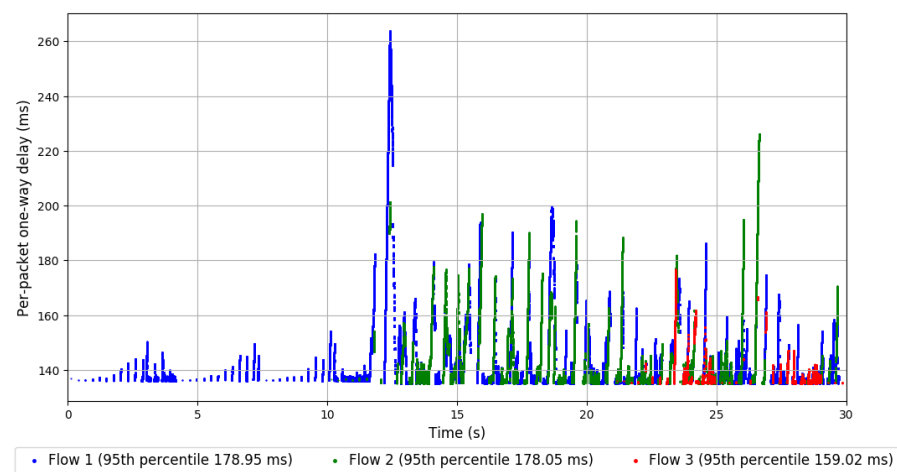
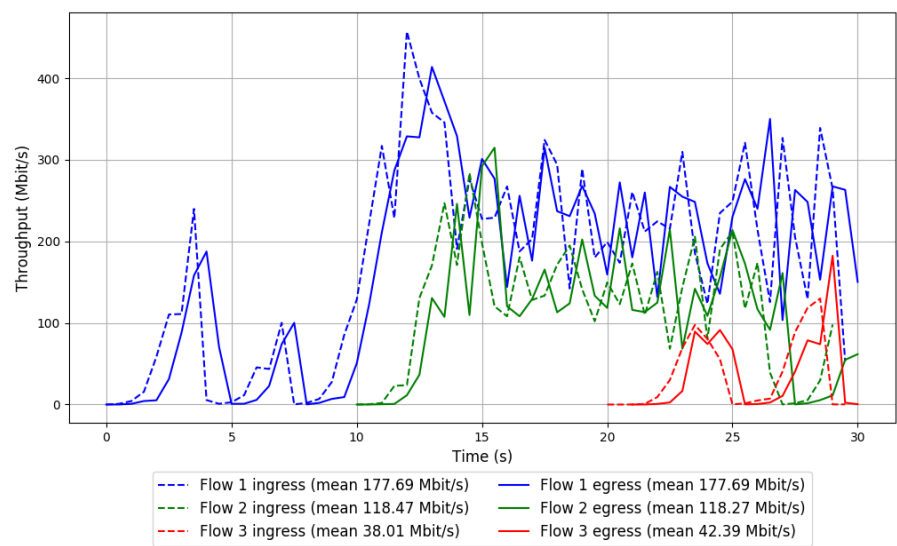
-- Flow 3:

Average throughput: 42.39 Mbit/s

95th percentile per-packet one-way delay: 159.017 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

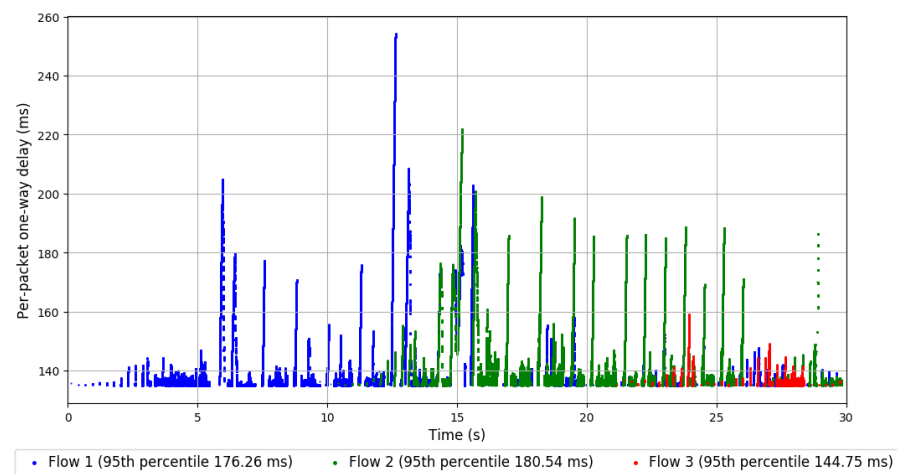
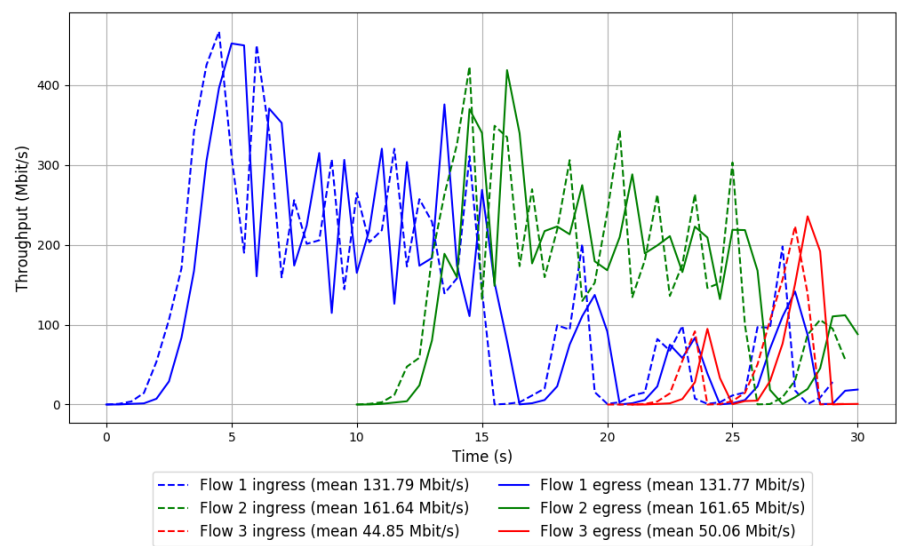


Run 9: Statistics of Verus

Start at: 2018-05-31 14:28:17
End at: 2018-05-31 14:28:47
Local clock offset: 0.225 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-05-31 16:59:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.46 Mbit/s
95th percentile per-packet one-way delay: 177.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.77 Mbit/s
95th percentile per-packet one-way delay: 176.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 161.65 Mbit/s
95th percentile per-packet one-way delay: 180.538 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 144.753 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

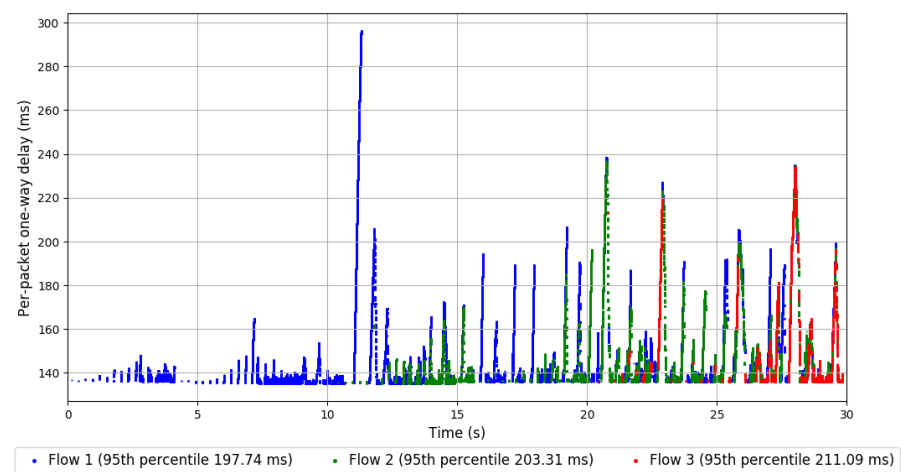
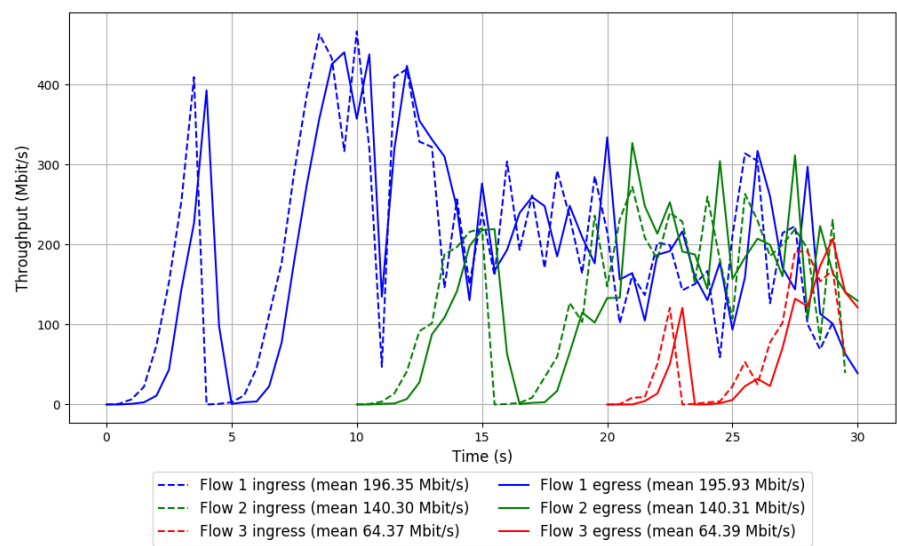


Run 10: Statistics of Verus

Start at: 2018-05-31 14:53:44
End at: 2018-05-31 14:54:14
Local clock offset: -0.314 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-31 17:00:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.81 Mbit/s
95th percentile per-packet one-way delay: 200.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.93 Mbit/s
95th percentile per-packet one-way delay: 197.735 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 140.31 Mbit/s
95th percentile per-packet one-way delay: 203.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.39 Mbit/s
95th percentile per-packet one-way delay: 211.088 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

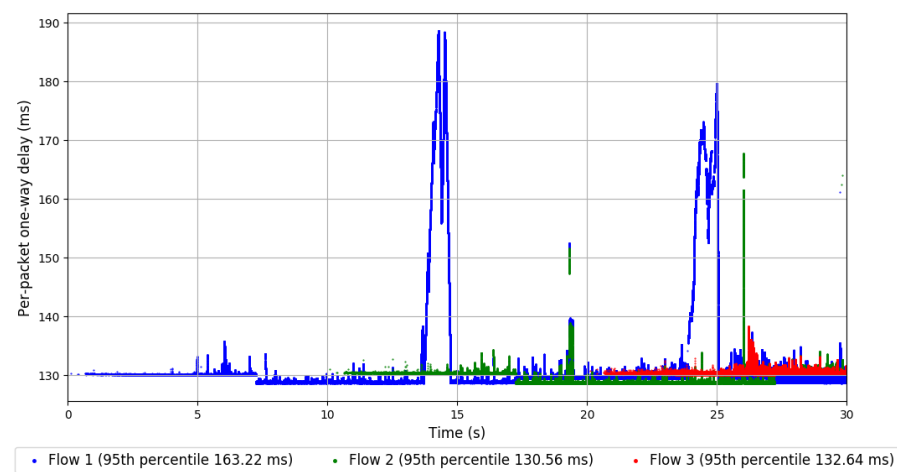
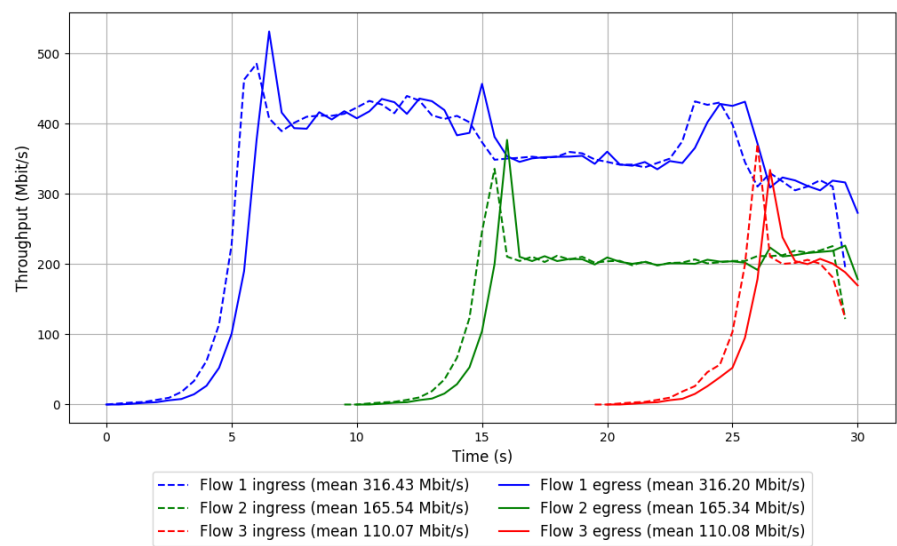


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-31 10:51:22
End at: 2018-05-31 10:51:52
Local clock offset: 5.908 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-05-31 17:04:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.65 Mbit/s
95th percentile per-packet one-way delay: 153.288 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 316.20 Mbit/s
95th percentile per-packet one-way delay: 163.223 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 165.34 Mbit/s
95th percentile per-packet one-way delay: 130.560 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 110.08 Mbit/s
95th percentile per-packet one-way delay: 132.644 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

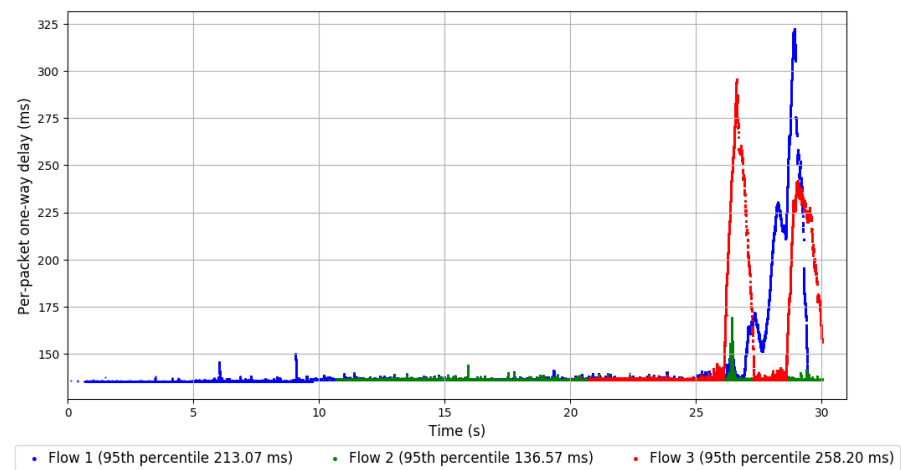
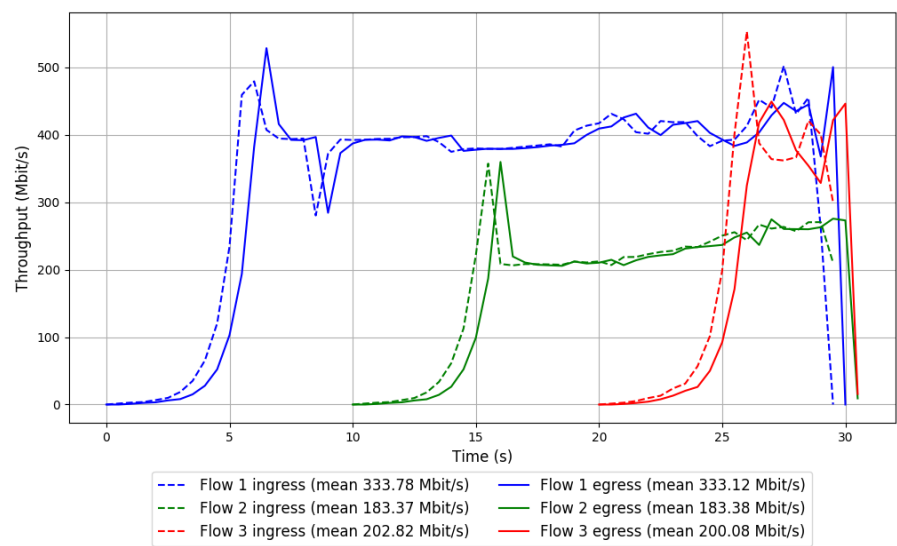


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-31 11:16:10
End at: 2018-05-31 11:16:40
Local clock offset: -0.068 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-05-31 17:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 516.89 Mbit/s
95th percentile per-packet one-way delay: 226.258 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 333.12 Mbit/s
95th percentile per-packet one-way delay: 213.074 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 183.38 Mbit/s
95th percentile per-packet one-way delay: 136.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 200.08 Mbit/s
95th percentile per-packet one-way delay: 258.205 ms
Loss rate: 1.35%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-31 11:40:44

End at: 2018-05-31 11:41:14

Local clock offset: -0.418 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2018-05-31 17:06:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.29 Mbit/s

95th percentile per-packet one-way delay: 137.114 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 331.25 Mbit/s

95th percentile per-packet one-way delay: 137.338 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 183.85 Mbit/s

95th percentile per-packet one-way delay: 136.257 ms

Loss rate: 0.00%

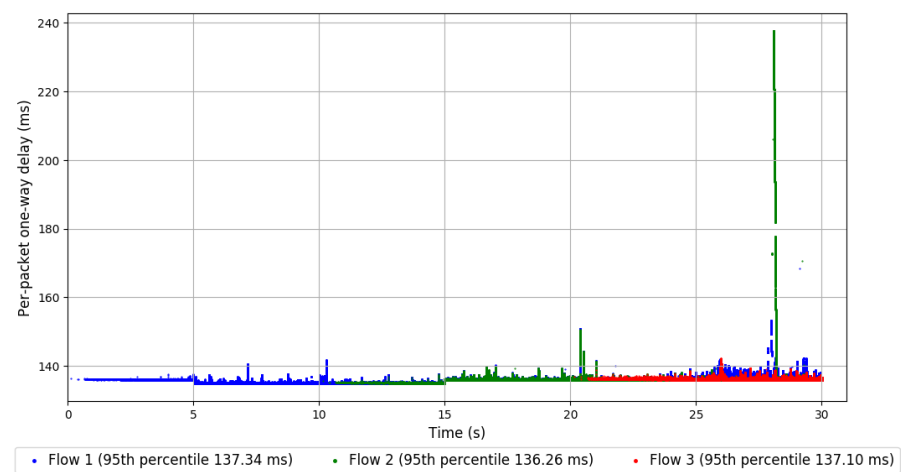
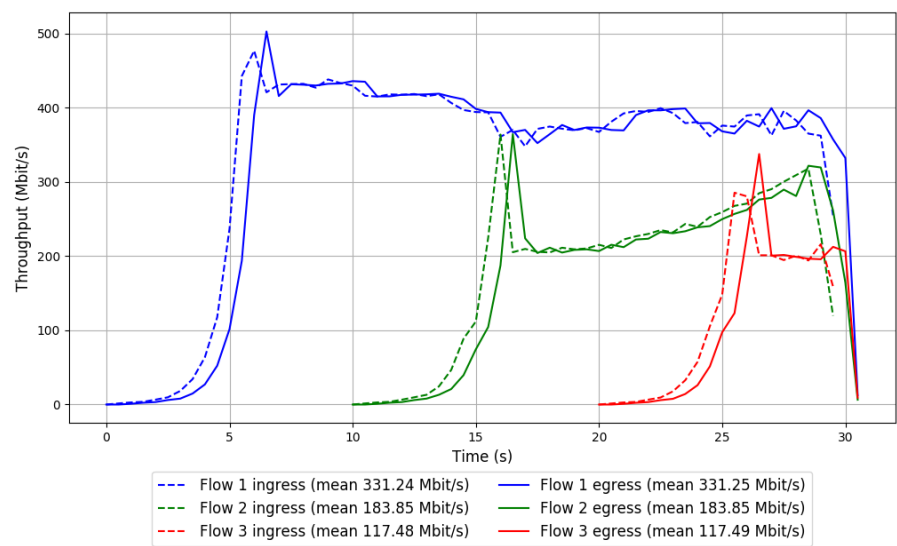
-- Flow 3:

Average throughput: 117.49 Mbit/s

95th percentile per-packet one-way delay: 137.102 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-31 12:05:44

End at: 2018-05-31 12:06:14

Local clock offset: -0.13 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-05-31 17:08:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.76 Mbit/s

95th percentile per-packet one-way delay: 136.849 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 313.15 Mbit/s

95th percentile per-packet one-way delay: 136.929 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 198.34 Mbit/s

95th percentile per-packet one-way delay: 136.907 ms

Loss rate: 0.00%

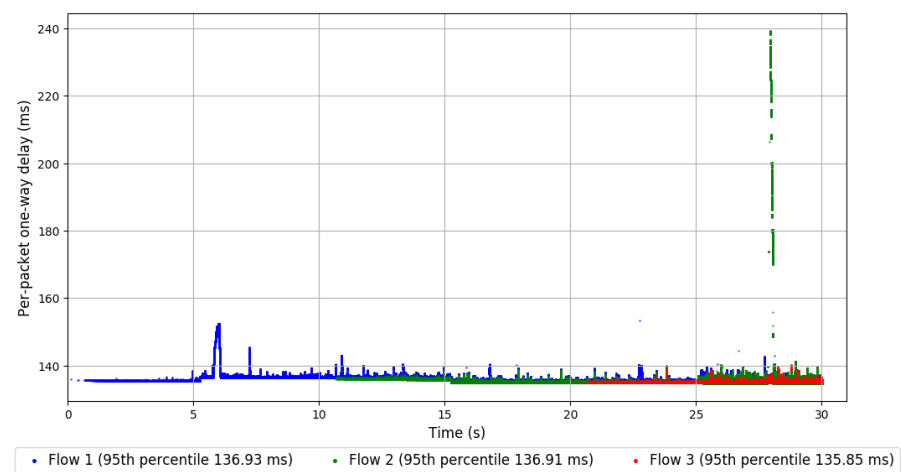
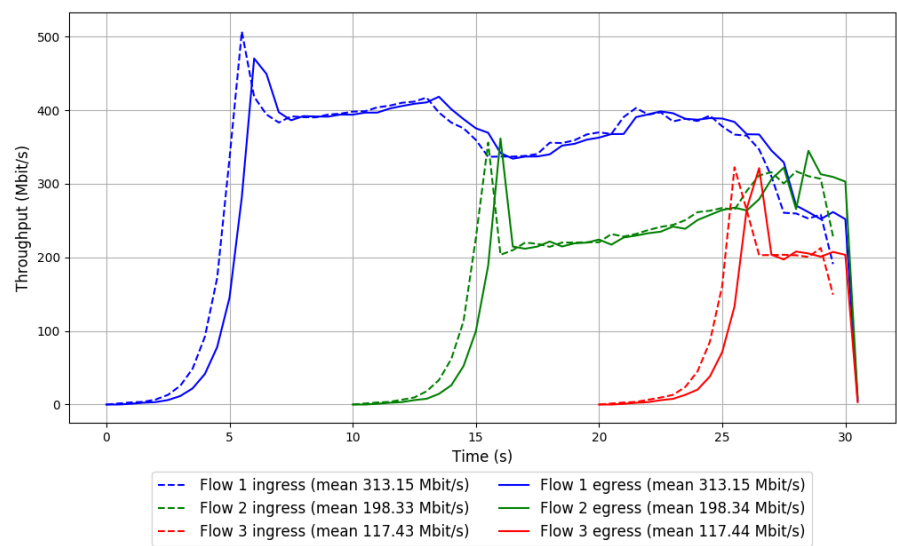
-- Flow 3:

Average throughput: 117.44 Mbit/s

95th percentile per-packet one-way delay: 135.851 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-31 12:30:42

End at: 2018-05-31 12:31:12

Local clock offset: 0.122 ms

Remote clock offset: 0.555 ms

Below is generated by plot.py at 2018-05-31 17:08:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.45 Mbit/s

95th percentile per-packet one-way delay: 137.475 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 307.67 Mbit/s

95th percentile per-packet one-way delay: 137.002 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 219.03 Mbit/s

95th percentile per-packet one-way delay: 137.555 ms

Loss rate: 0.00%

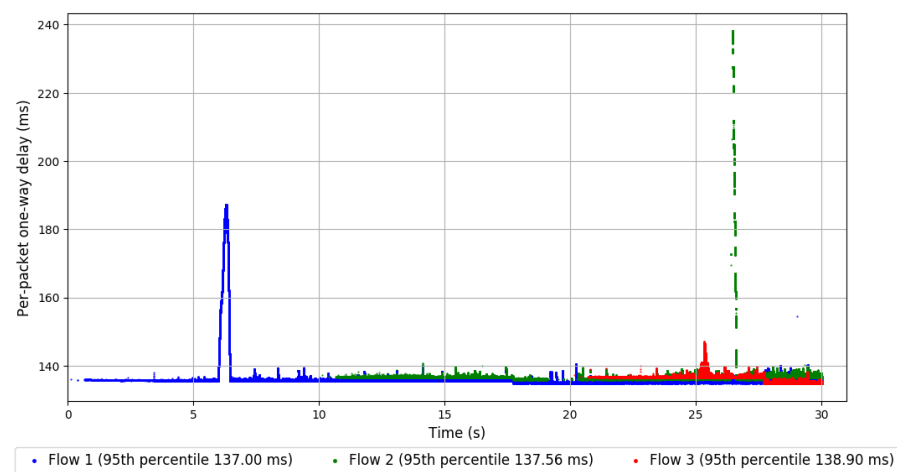
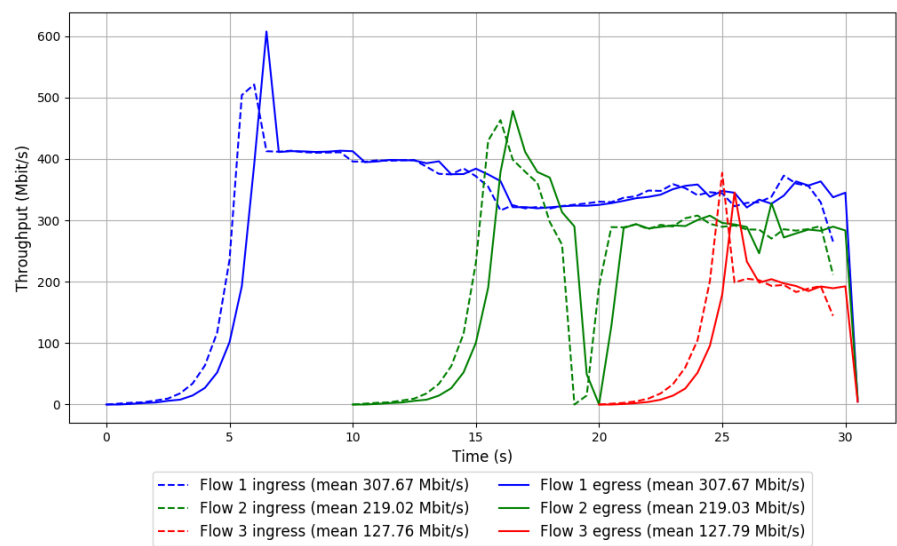
-- Flow 3:

Average throughput: 127.79 Mbit/s

95th percentile per-packet one-way delay: 138.899 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-31 12:55:37

End at: 2018-05-31 12:56:07

Local clock offset: -0.269 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2018-05-31 17:09:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 539.99 Mbit/s

95th percentile per-packet one-way delay: 138.458 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 307.77 Mbit/s

95th percentile per-packet one-way delay: 138.835 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 288.63 Mbit/s

95th percentile per-packet one-way delay: 138.280 ms

Loss rate: 0.15%

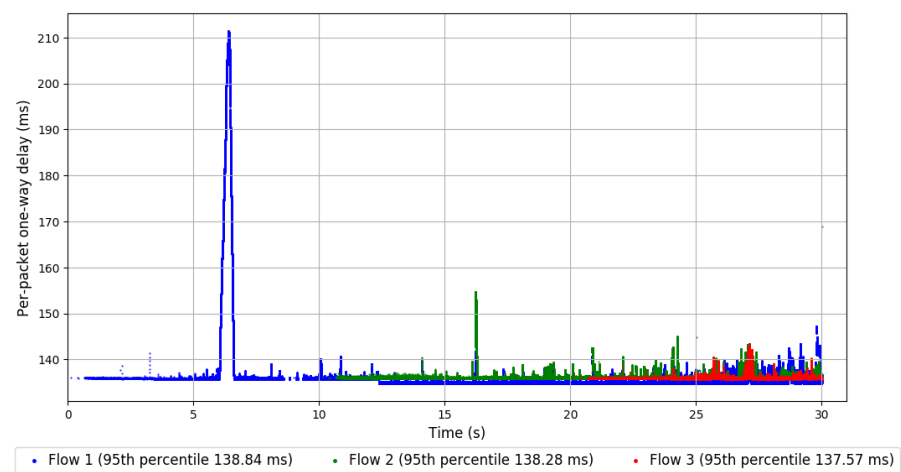
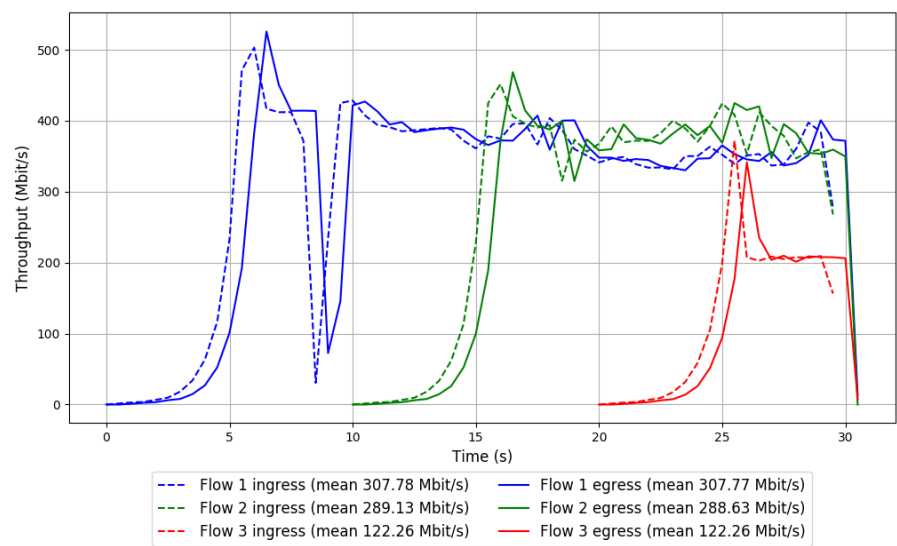
-- Flow 3:

Average throughput: 122.26 Mbit/s

95th percentile per-packet one-way delay: 137.573 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-31 13:20:59

End at: 2018-05-31 13:21:29

Local clock offset: -0.02 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-05-31 17:09:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.41 Mbit/s

95th percentile per-packet one-way delay: 137.201 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 333.72 Mbit/s

95th percentile per-packet one-way delay: 137.689 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.87 Mbit/s

95th percentile per-packet one-way delay: 136.142 ms

Loss rate: 0.00%

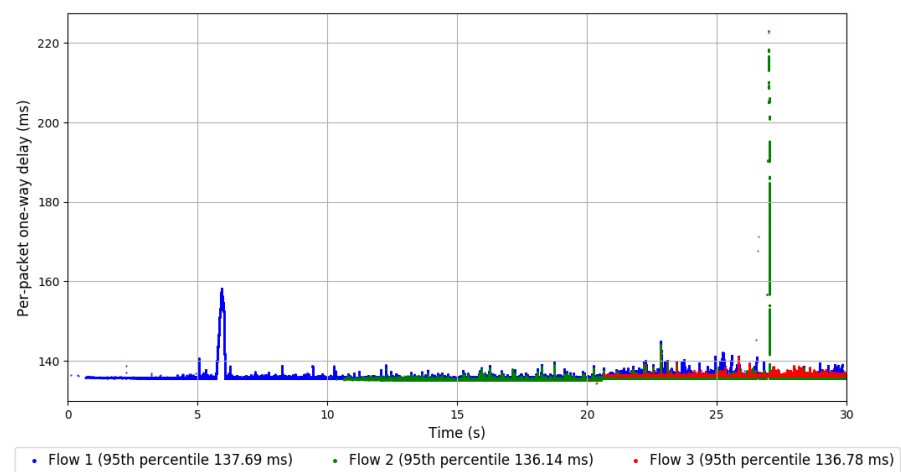
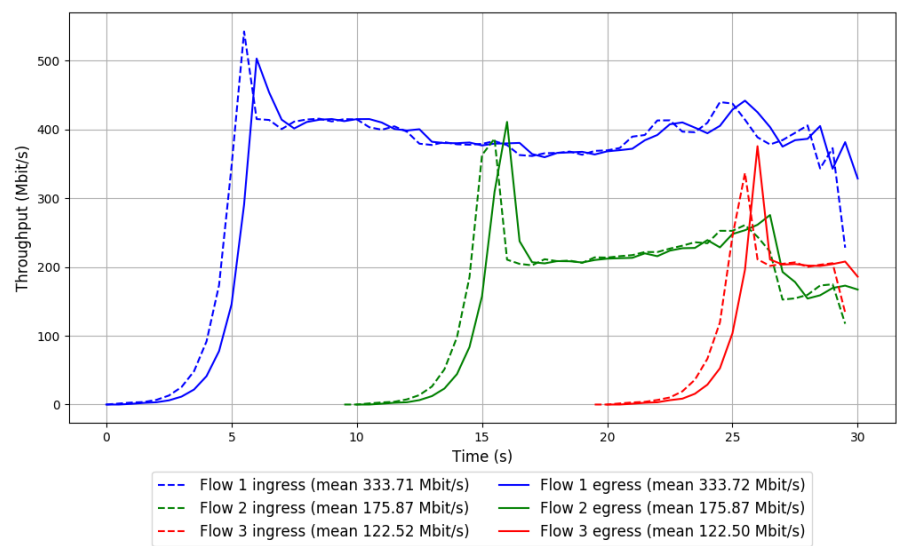
-- Flow 3:

Average throughput: 122.50 Mbit/s

95th percentile per-packet one-way delay: 136.784 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

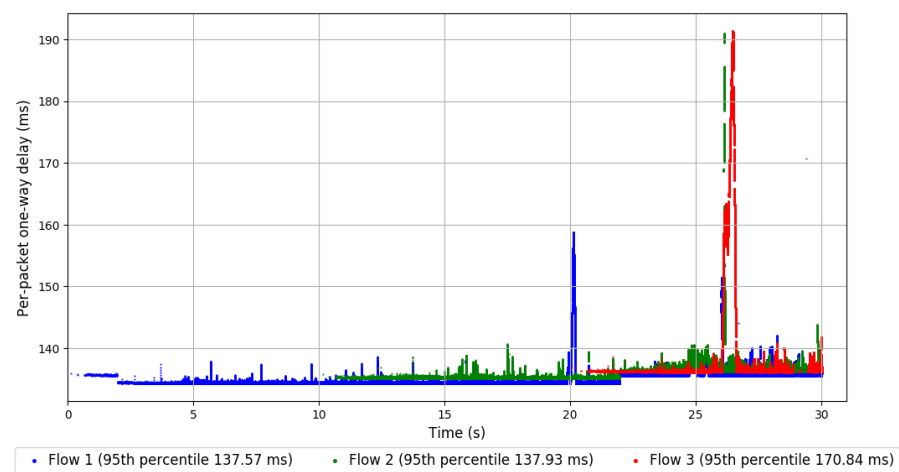
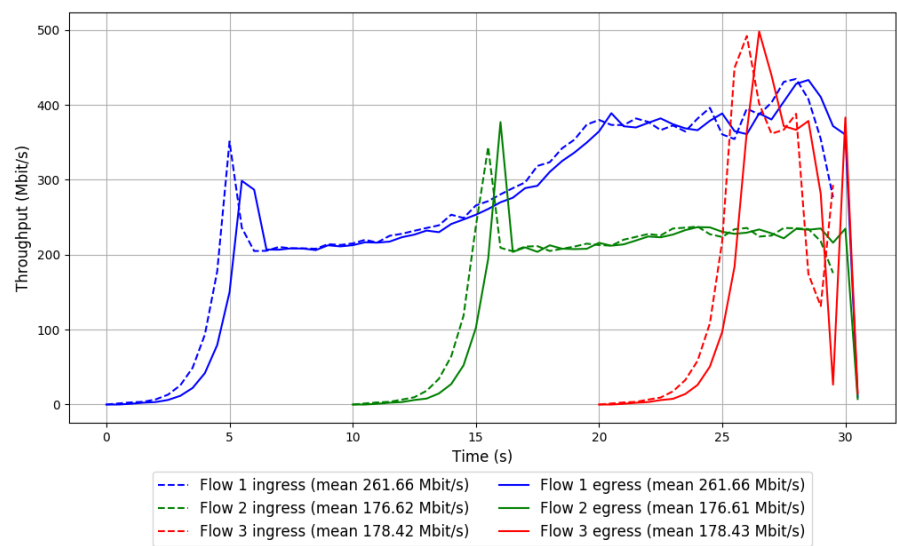


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-31 13:46:27
End at: 2018-05-31 13:46:57
Local clock offset: 0.066 ms
Remote clock offset: -0.024 ms

```
# Below is generated by plot.py at 2018-05-31 17:09:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 437.96 Mbit/s
95th percentile per-packet one-way delay: 138.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 261.66 Mbit/s
95th percentile per-packet one-way delay: 137.566 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.61 Mbit/s
95th percentile per-packet one-way delay: 137.932 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 178.43 Mbit/s
95th percentile per-packet one-way delay: 170.843 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-31 14:11:24

End at: 2018-05-31 14:11:54

Local clock offset: -0.114 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-31 17:10:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.48 Mbit/s

95th percentile per-packet one-way delay: 138.541 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 322.59 Mbit/s

95th percentile per-packet one-way delay: 138.917 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 179.56 Mbit/s

95th percentile per-packet one-way delay: 136.778 ms

Loss rate: 0.00%

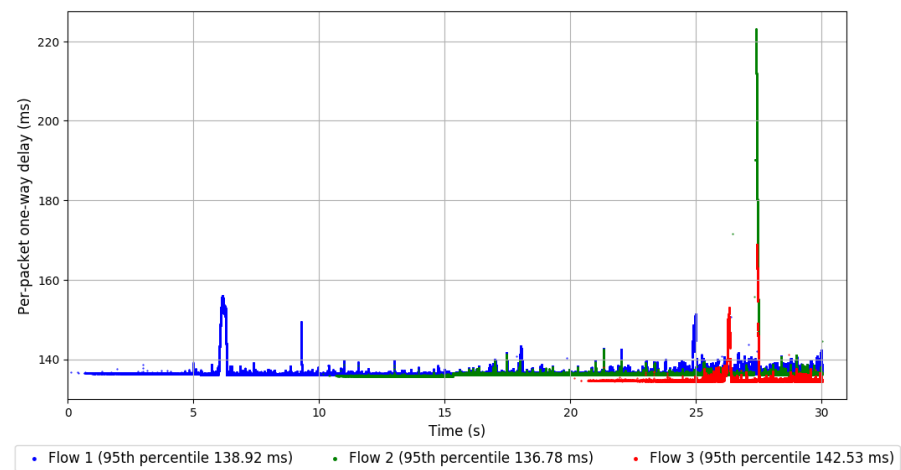
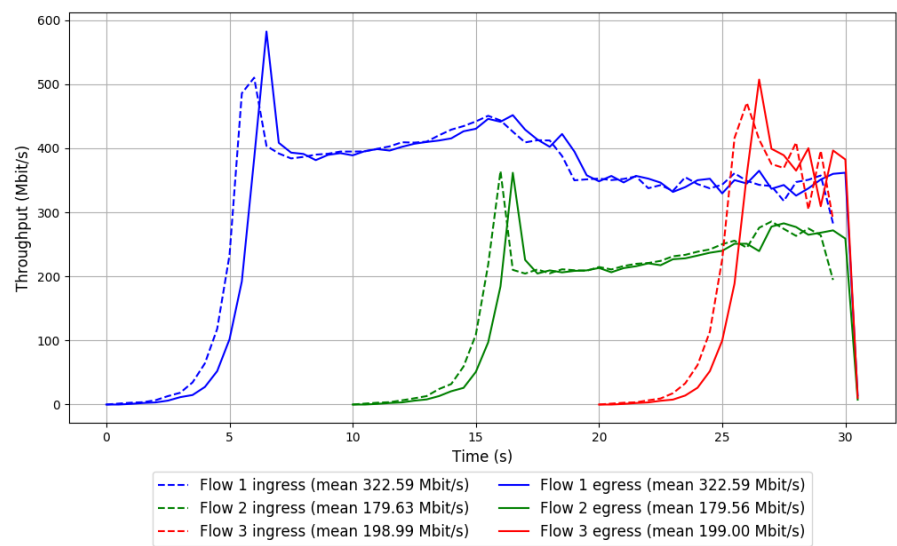
-- Flow 3:

Average throughput: 199.00 Mbit/s

95th percentile per-packet one-way delay: 142.529 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

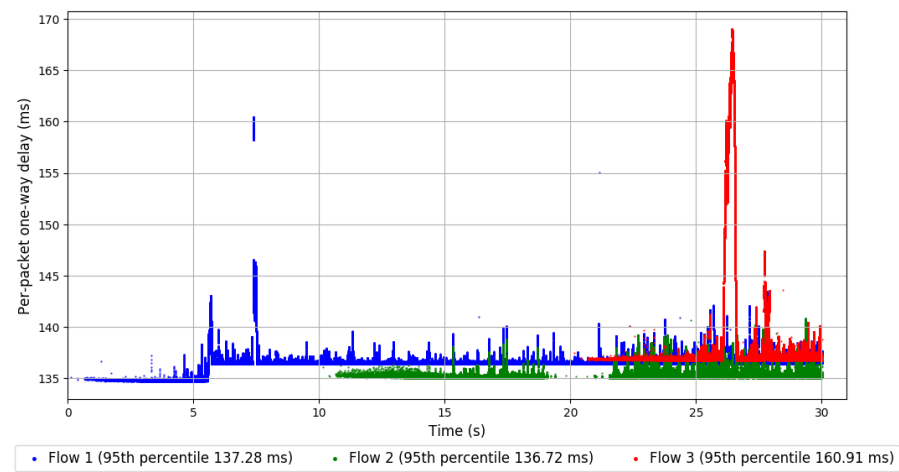
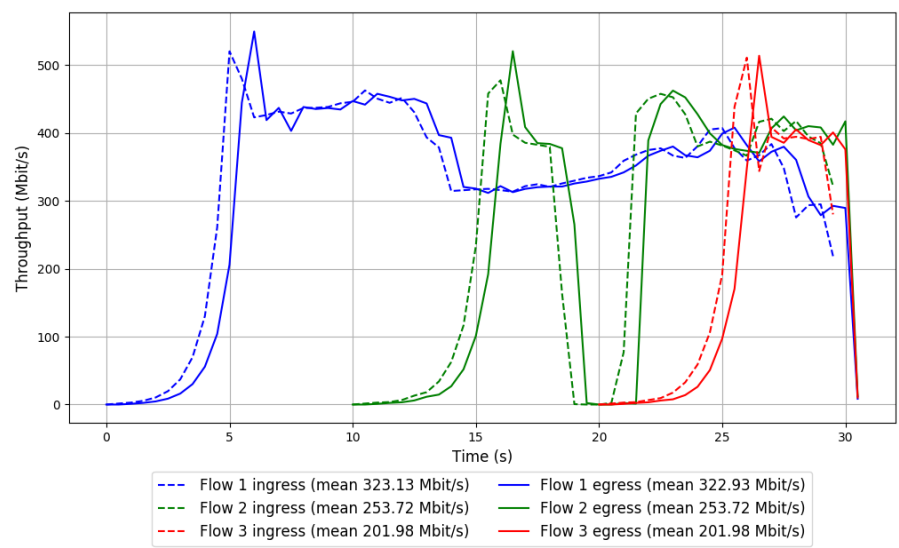


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-31 14:36:44
End at: 2018-05-31 14:37:14
Local clock offset: -0.191 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-31 17:10:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 558.26 Mbit/s
95th percentile per-packet one-way delay: 137.829 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 322.93 Mbit/s
95th percentile per-packet one-way delay: 137.275 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 253.72 Mbit/s
95th percentile per-packet one-way delay: 136.720 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 201.98 Mbit/s
95th percentile per-packet one-way delay: 160.908 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

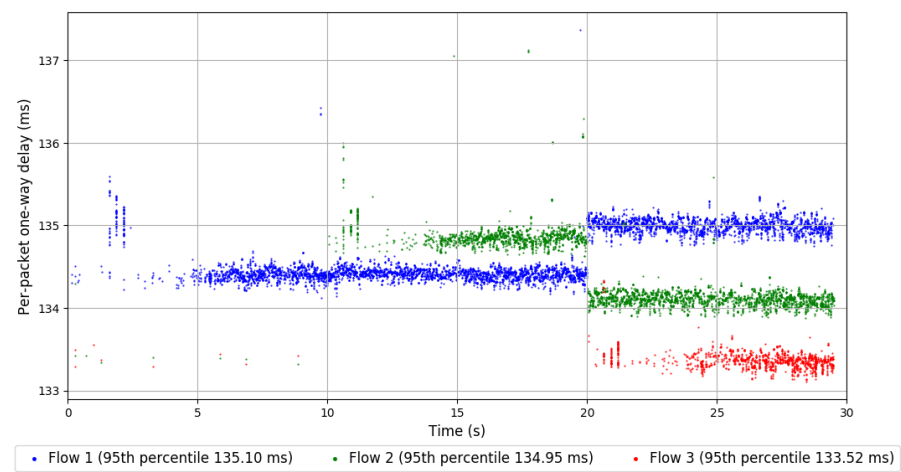
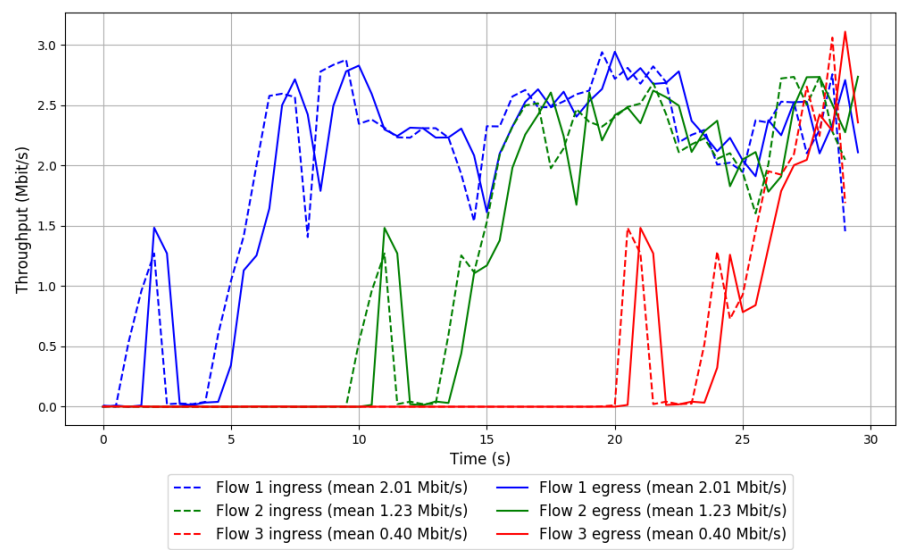


Run 1: Statistics of WebRTC media

Start at: 2018-05-31 11:12:39
End at: 2018-05-31 11:13:09
Local clock offset: 1.447 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-05-31 17:10:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 135.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 135.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 134.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 133.522 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

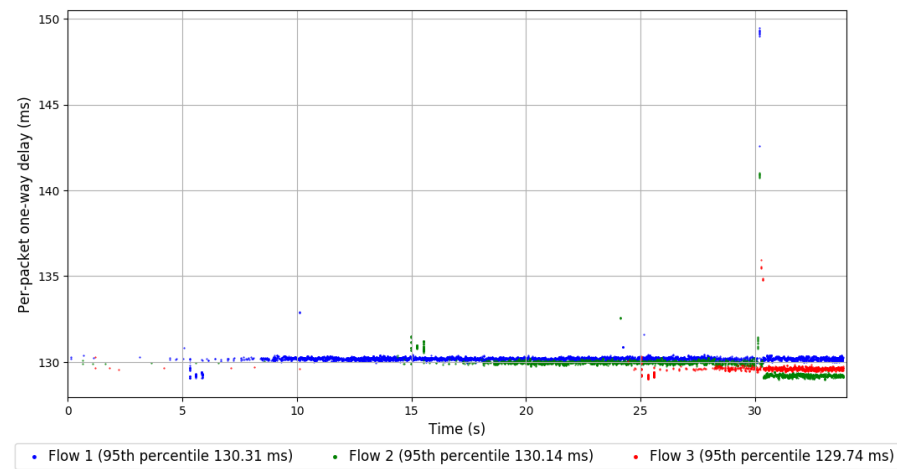
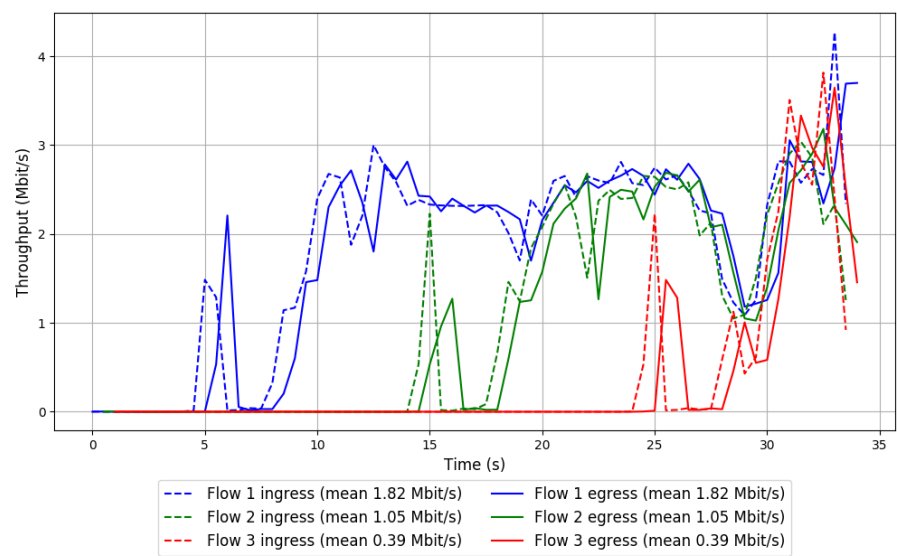


Run 2: Statistics of WebRTC media

Start at: 2018-05-31 11:37:13
End at: 2018-05-31 11:37:43
Local clock offset: 5.575 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-05-31 17:10:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 130.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 130.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 130.139 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 129.735 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

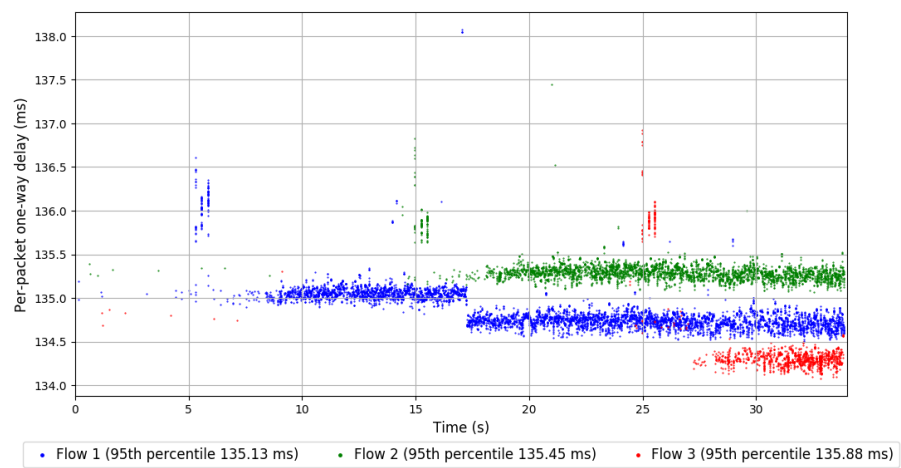
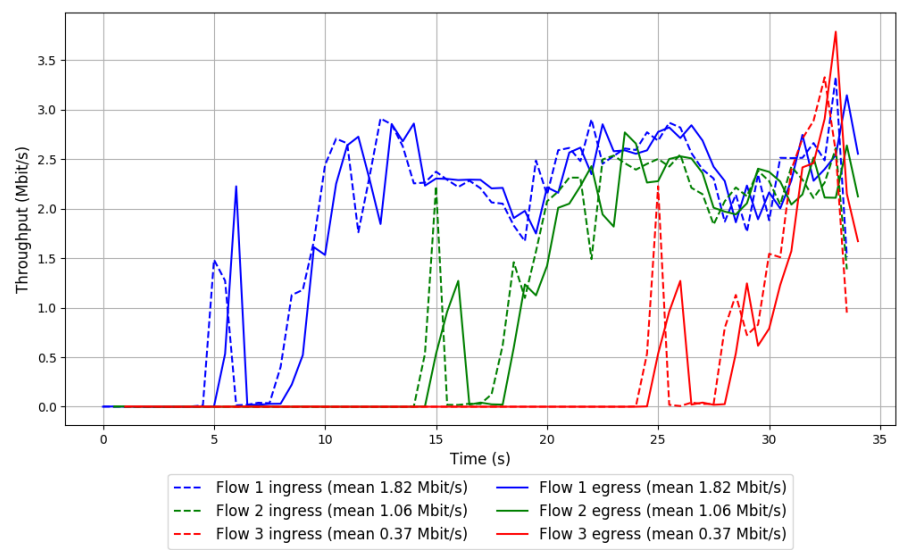


Run 3: Statistics of WebRTC media

Start at: 2018-05-31 12:02:16
End at: 2018-05-31 12:02:46
Local clock offset: 0.053 ms
Remote clock offset: -0.585 ms

Below is generated by plot.py at 2018-05-31 17:10:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 135.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 135.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 135.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 135.876 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-31 12:27:08

End at: 2018-05-31 12:27:38

Local clock offset: 1.614 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-05-31 17:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 134.873 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 134.895 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 134.275 ms

Loss rate: 0.00%

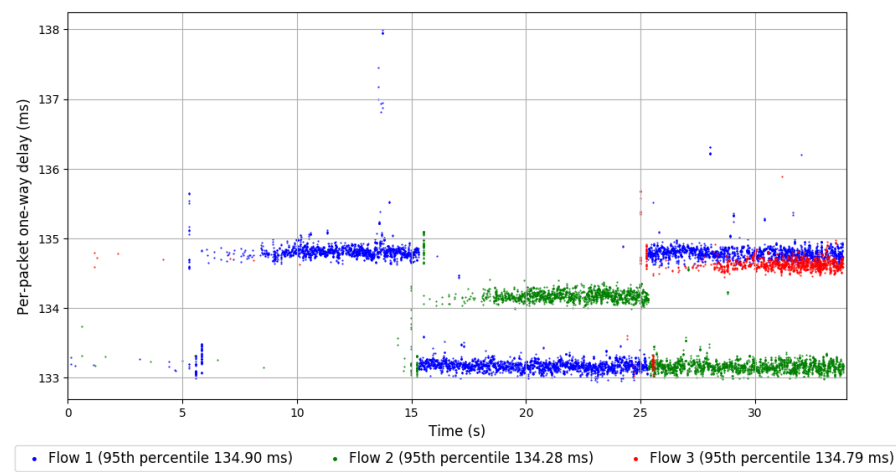
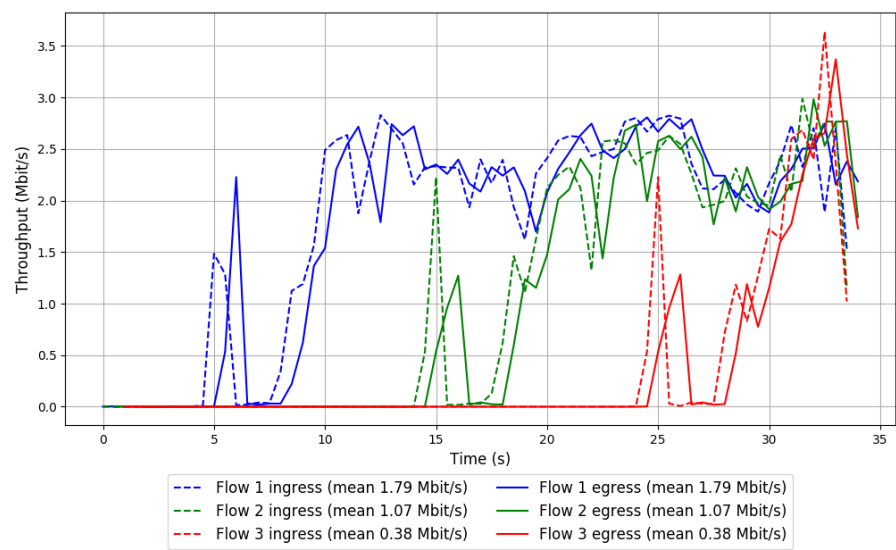
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 134.786 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-31 12:52:03

End at: 2018-05-31 12:52:33

Local clock offset: 5.806 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-05-31 17:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 130.011 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 130.012 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 129.867 ms

Loss rate: 0.00%

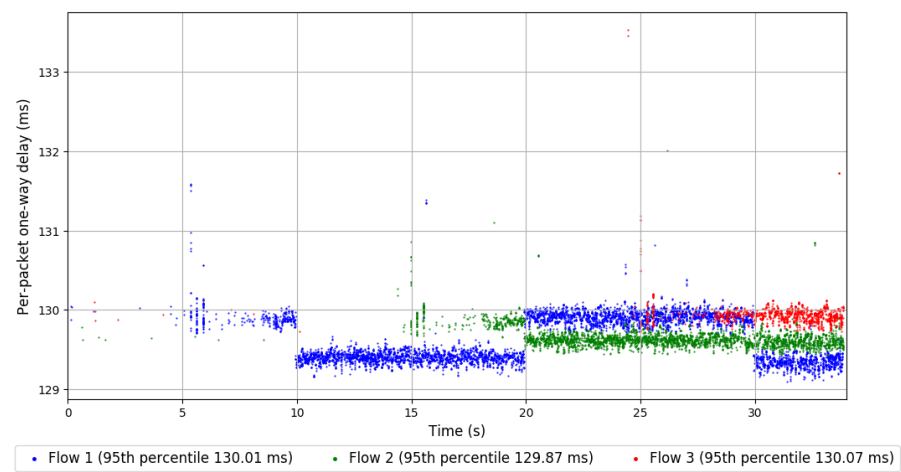
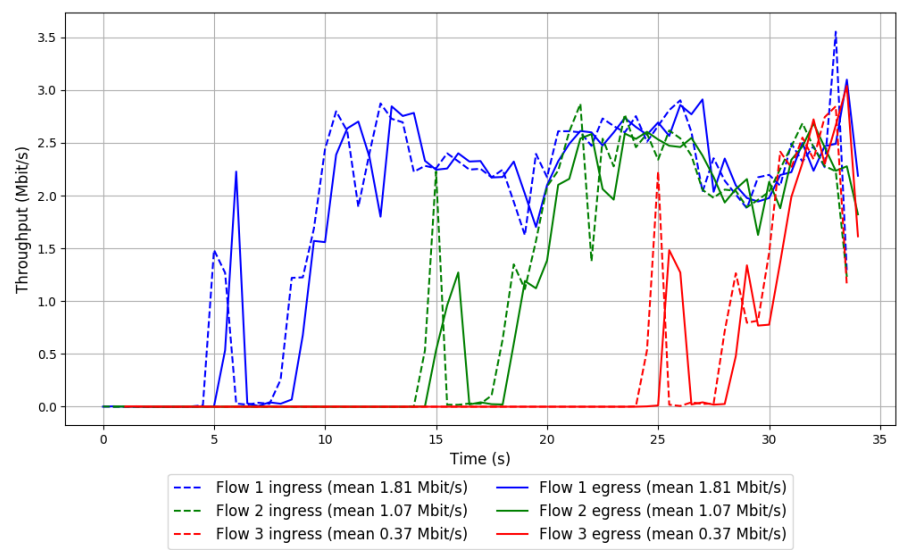
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 130.068 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-31 13:17:25

End at: 2018-05-31 13:17:55

Local clock offset: -0.161 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-05-31 17:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 136.625 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.028 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 135.202 ms

Loss rate: 0.00%

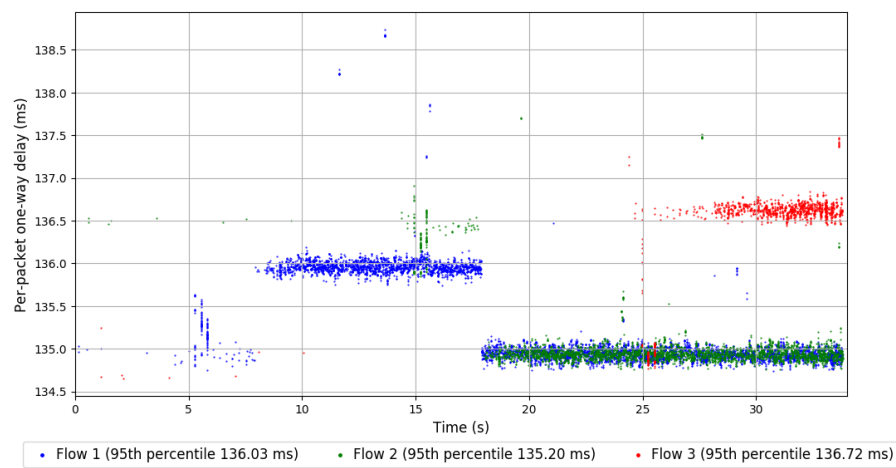
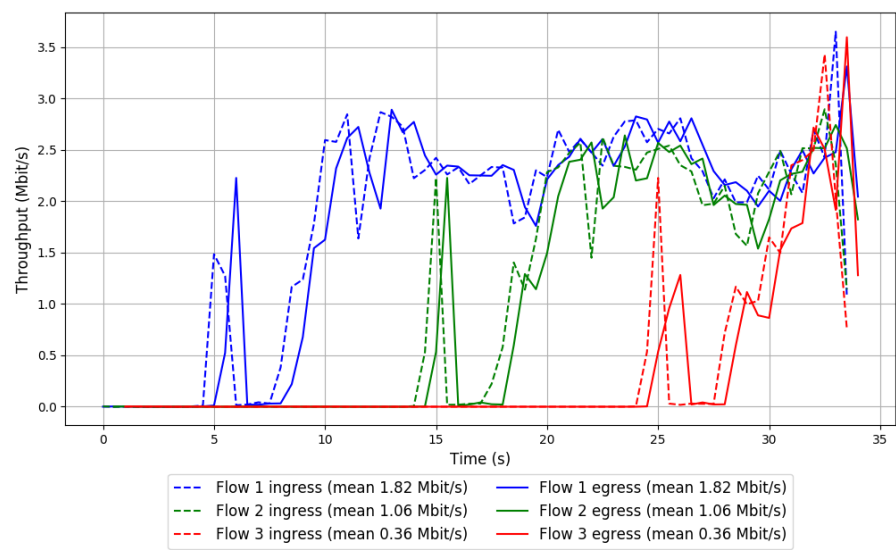
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.724 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-31 13:42:54

End at: 2018-05-31 13:43:24

Local clock offset: 0.224 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-31 17:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 136.162 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 135.415 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 136.210 ms

Loss rate: 0.00%

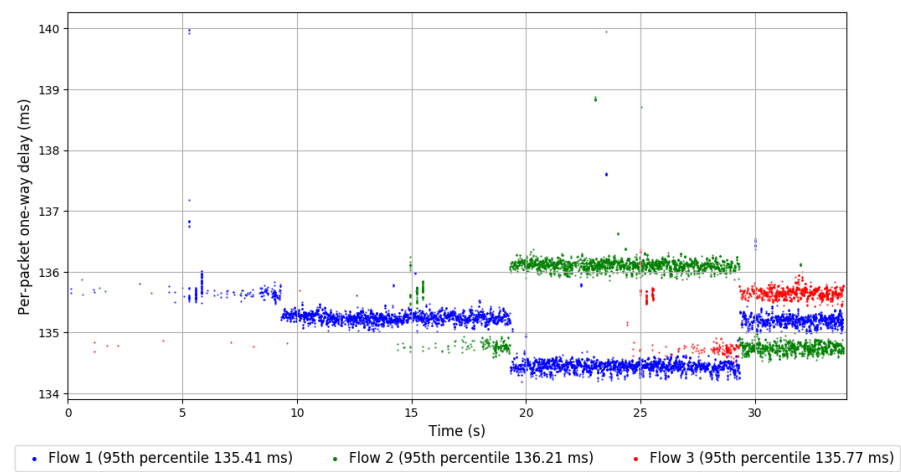
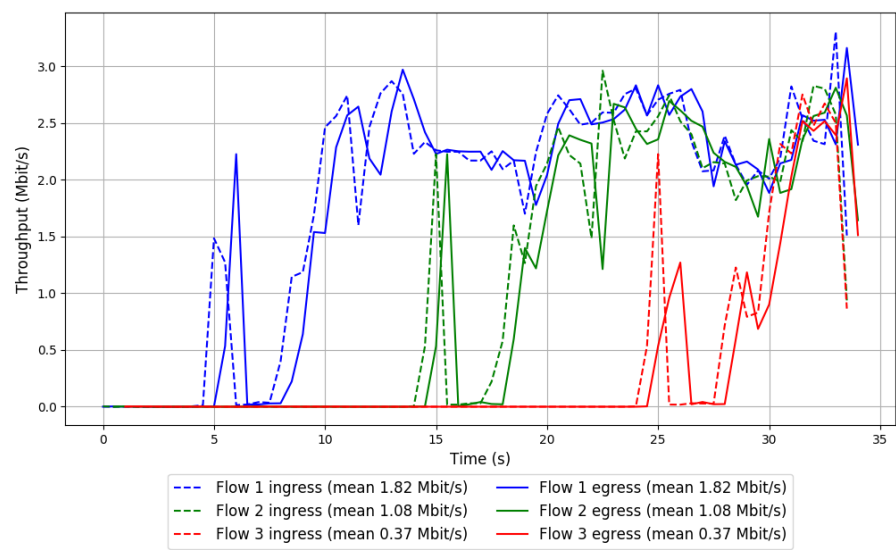
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 135.768 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

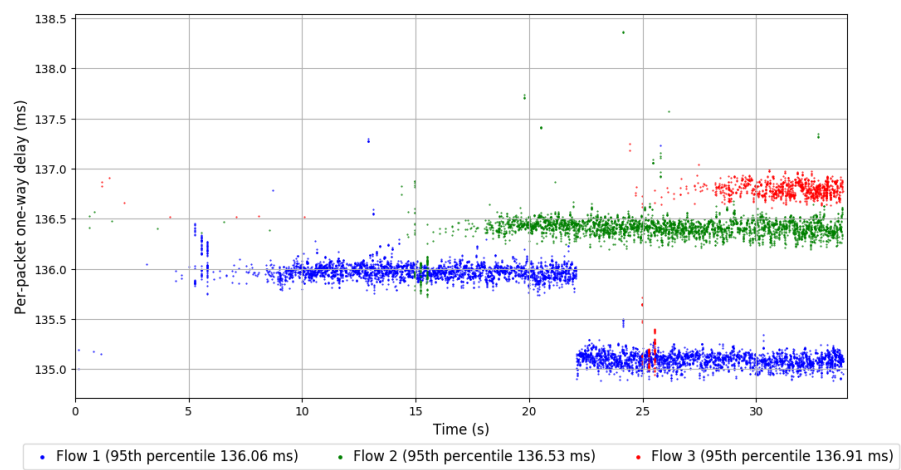
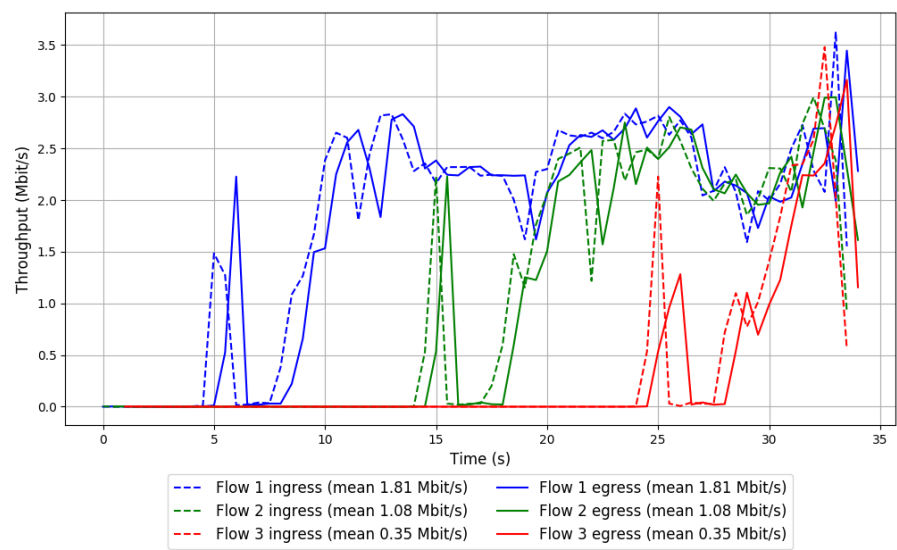


Run 8: Statistics of WebRTC media

Start at: 2018-05-31 14:07:51
End at: 2018-05-31 14:08:21
Local clock offset: -0.182 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-31 17:10:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 136.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.060 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 136.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.905 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

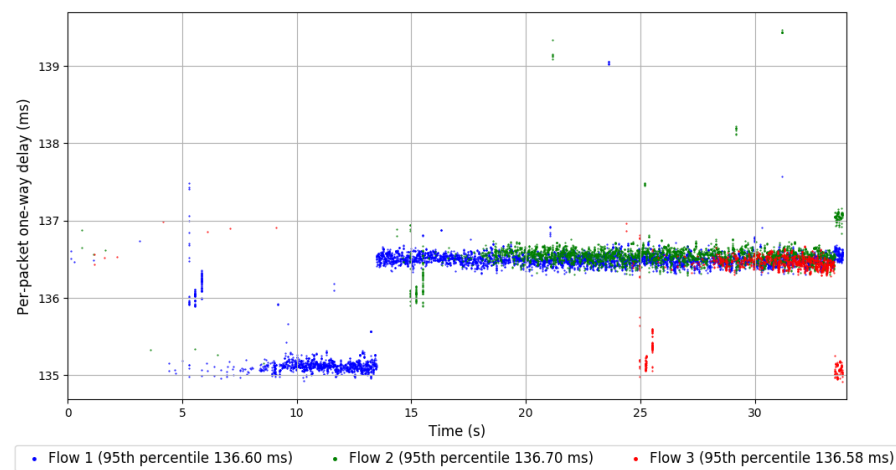
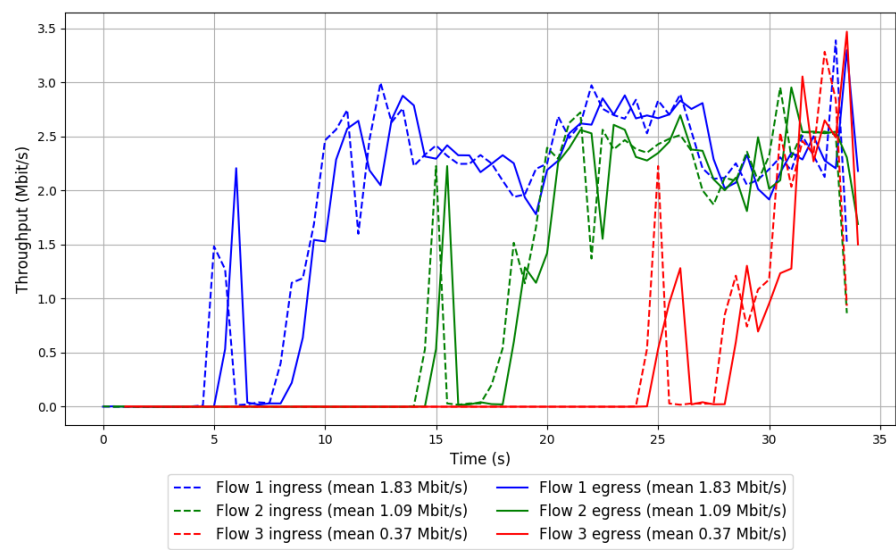


Run 9: Statistics of WebRTC media

Start at: 2018-05-31 14:33:10
End at: 2018-05-31 14:33:40
Local clock offset: -0.453 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-05-31 17:10:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 136.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 136.704 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.583 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-31 14:58:48

End at: 2018-05-31 14:59:19

Local clock offset: -0.231 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-31 17:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 136.612 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 136.632 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 135.256 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.558 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

