

Pantheon Report

Generated at 2018-05-22 07:47:40 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

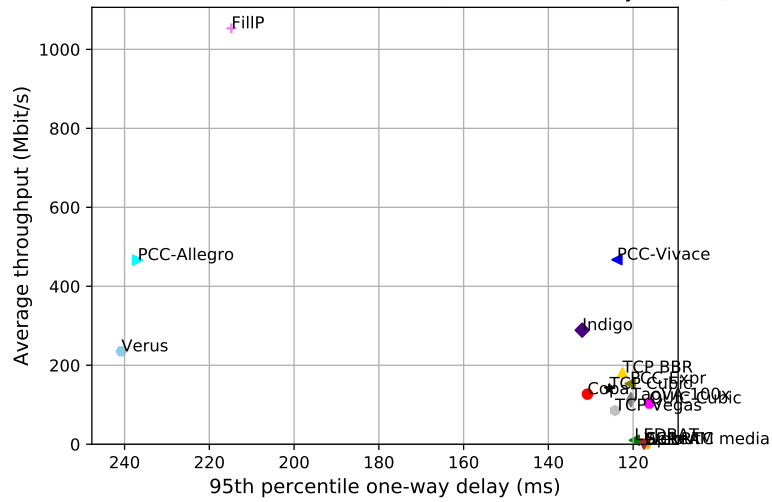
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

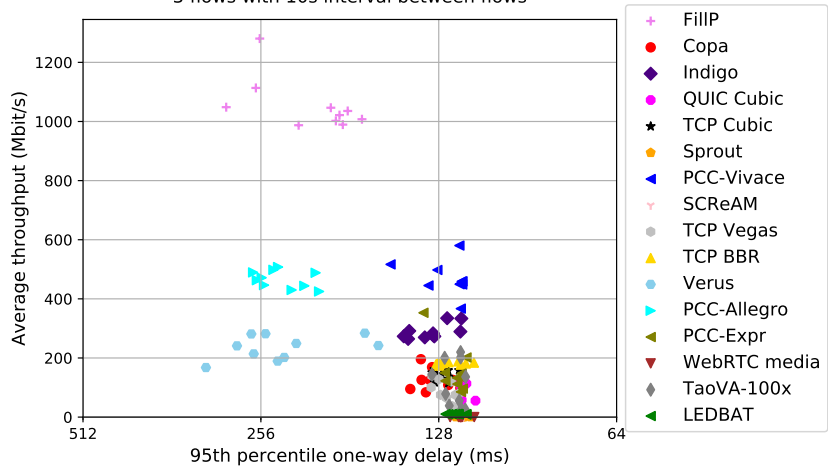
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/illp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



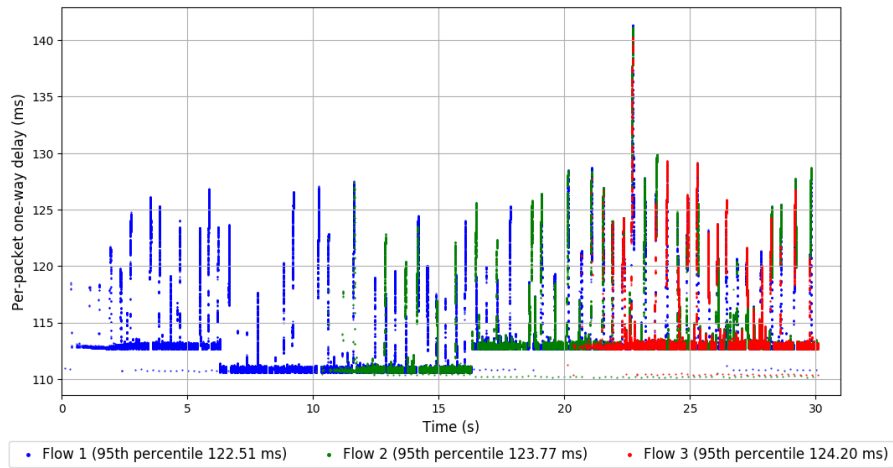
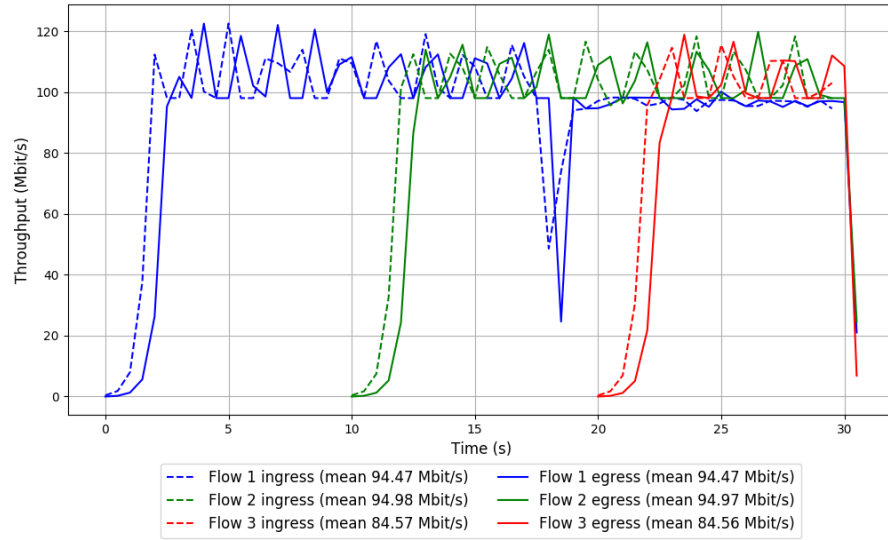
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	92.12	92.06	84.72	121.42	122.94	125.40	0.00	0.01	0.01
Copa	10	58.29	79.71	47.68	124.61	130.45	127.55	0.04	0.04	9.27
TCP Cubic	10	83.08	60.01	52.23	124.15	126.88	126.79	0.00	0.00	0.15
FillP	10	582.40	492.42	432.79	223.36	168.77	147.58	1.45	0.93	0.65
Indigo	10	150.34	150.22	121.36	129.63	132.42	135.04	0.01	0.01	0.03
LEDBAT	10	6.75	3.99	2.14	119.90	118.80	118.65	0.04	0.11	0.00
PCC-Allegro	10	386.46	93.83	53.39	234.96	231.10	229.52	2.15	2.03	2.62
PCC-Expr	10	90.99	53.81	80.99	117.63	118.79	129.60	0.00	0.00	0.01
QUIC Cubic	10	49.19	59.00	46.57	114.41	115.24	114.63	0.00	0.00	0.00
SCReAM	10	0.21	0.21	0.22	115.43	114.22	116.25	0.00	0.00	0.00
Sprout	10	0.20	0.21	0.27	115.83	116.51	115.69	0.02	0.00	0.00
TaoVA-100x	10	65.82	60.52	36.46	120.52	120.26	121.78	0.00	0.00	0.01
TCP Vegas	10	44.90	45.66	30.40	122.91	124.77	122.82	0.00	0.00	0.06
Verus	10	149.68	91.43	77.95	226.76	235.24	203.48	1.52	2.10	1.18
PCC-Vivace	10	295.40	189.55	139.26	123.84	115.37	125.77	0.04	0.00	0.00
WebRTC media	10	0.05	0.05	0.05	116.23	116.04	116.22	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 02:29:09
End at: 2018-05-22 02:29:39
Local clock offset: 0.113 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 06:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.65 Mbit/s
95th percentile per-packet one-way delay: 123.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 122.512 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 123.770 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 124.201 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

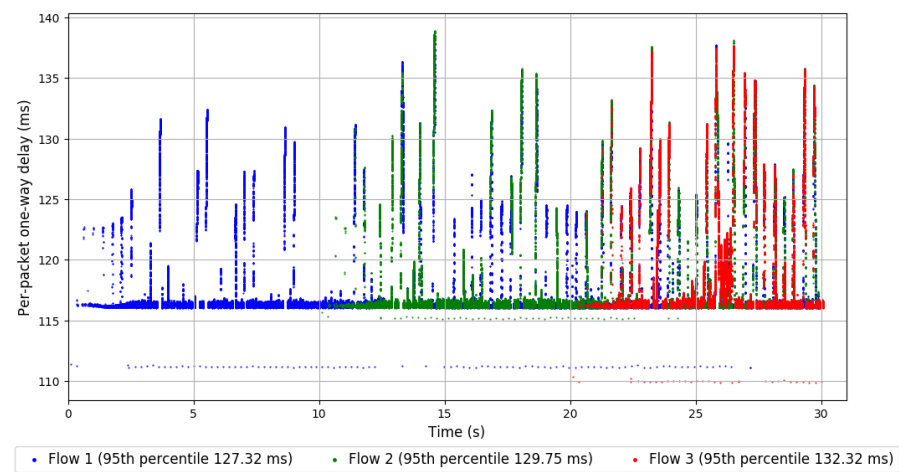
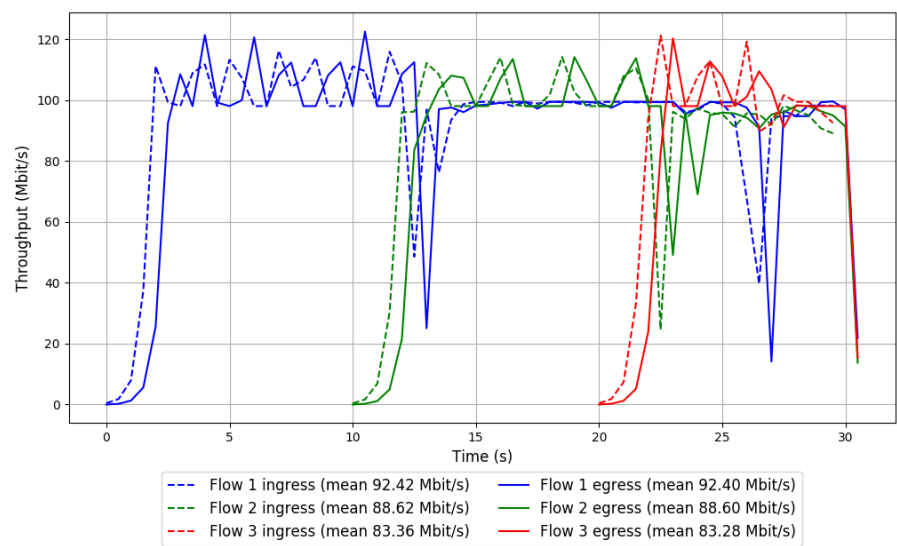


Run 2: Statistics of TCP BBR

Start at: 2018-05-22 02:52:19
End at: 2018-05-22 02:52:49
Local clock offset: -0.175 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-22 06:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.09 Mbit/s
95th percentile per-packet one-way delay: 129.254 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 127.322 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 129.749 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 83.28 Mbit/s
95th percentile per-packet one-way delay: 132.322 ms
Loss rate: 0.10%

Run 2: Report of TCP BBR — Data Link

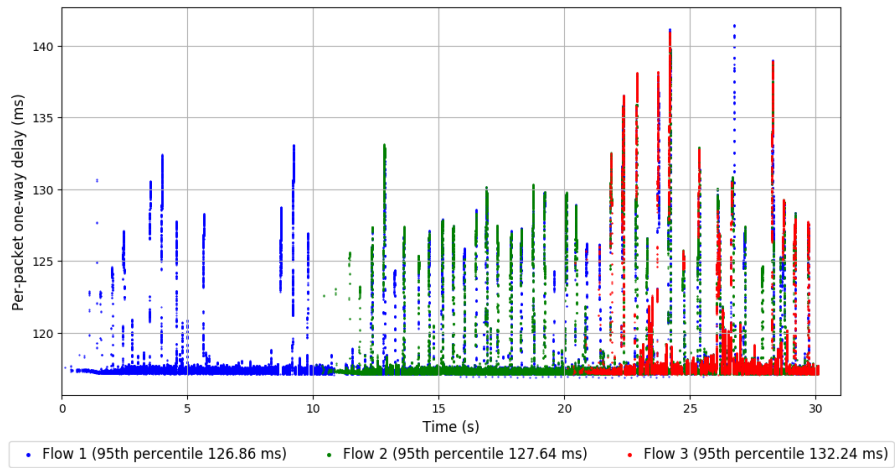
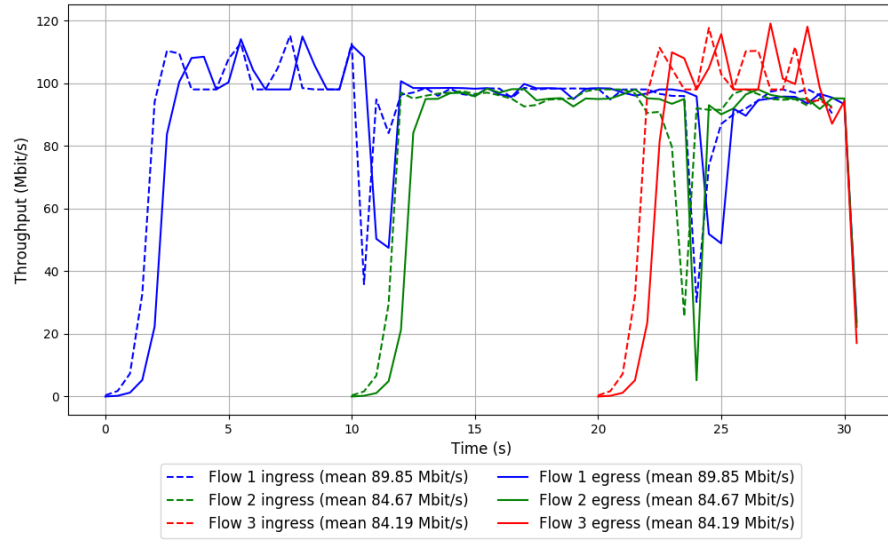


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 03:15:27
End at: 2018-05-22 03:15:57
Local clock offset: -0.039 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 06:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 174.19 Mbit/s
95th percentile per-packet one-way delay: 127.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 126.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 127.643 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.19 Mbit/s
95th percentile per-packet one-way delay: 132.241 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

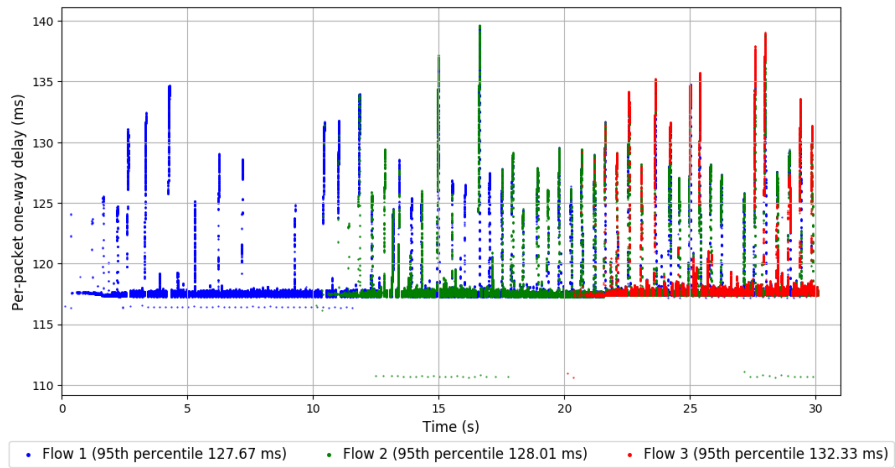
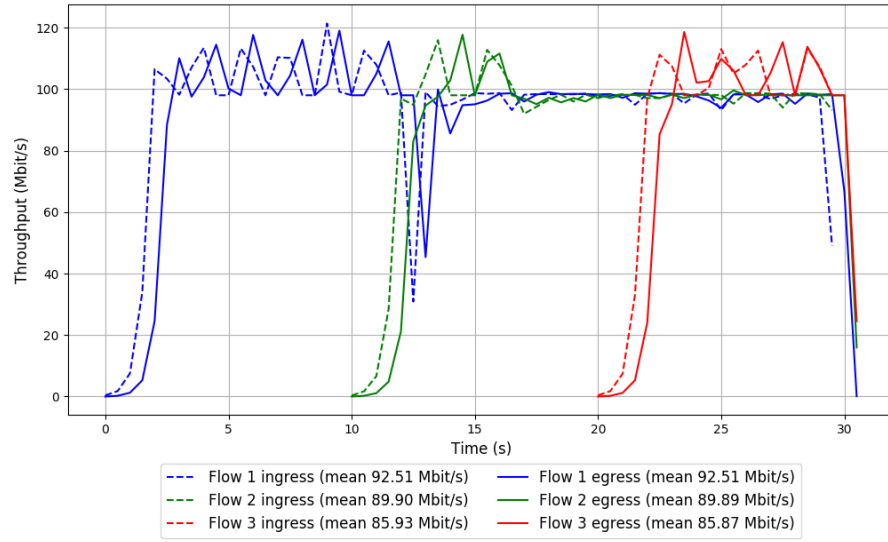


Run 4: Statistics of TCP BBR

Start at: 2018-05-22 03:38:34
End at: 2018-05-22 03:39:04
Local clock offset: -0.168 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-22 06:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.70 Mbit/s
95th percentile per-packet one-way delay: 128.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 127.672 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 128.008 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 132.328 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

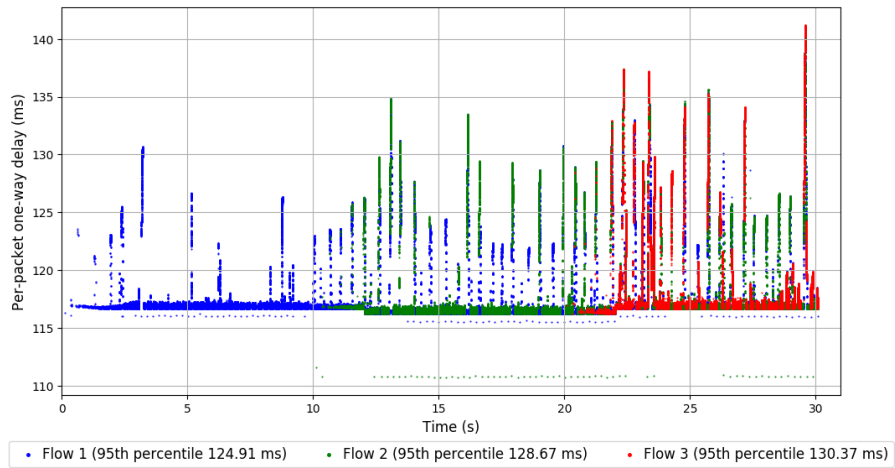
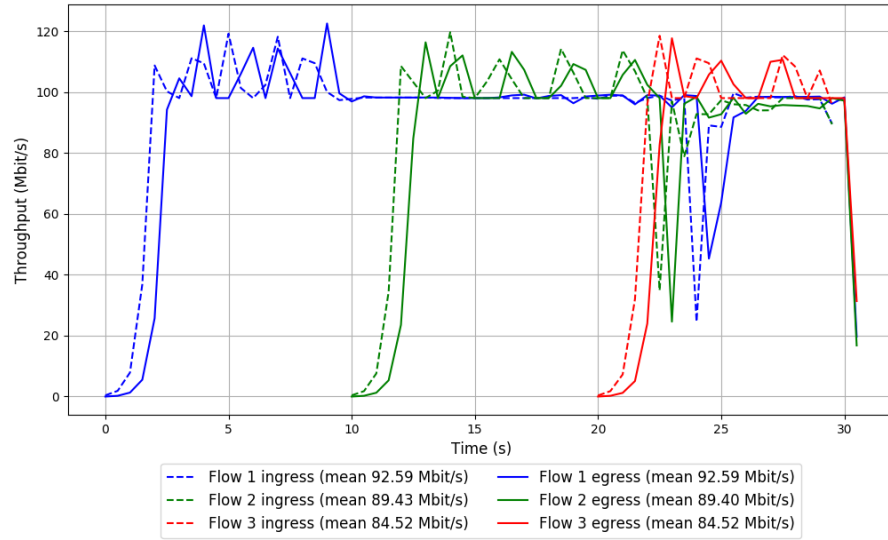


Run 5: Statistics of TCP BBR

Start at: 2018-05-22 04:01:43
End at: 2018-05-22 04:02:13
Local clock offset: -0.336 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-22 06:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.23 Mbit/s
95th percentile per-packet one-way delay: 127.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 124.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 128.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 130.371 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-22 04:25:07

End at: 2018-05-22 04:25:37

Local clock offset: -0.27 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-05-22 06:15:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 182.75 Mbit/s

95th percentile per-packet one-way delay: 125.989 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 123.622 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 126.808 ms

Loss rate: 0.00%

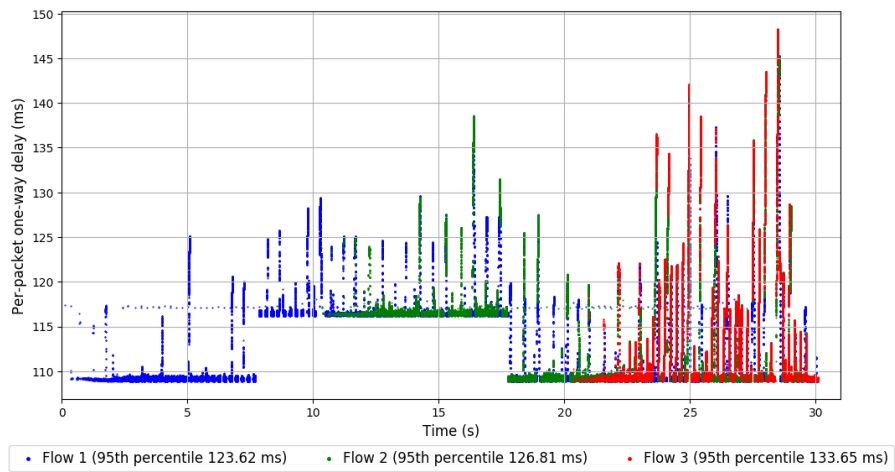
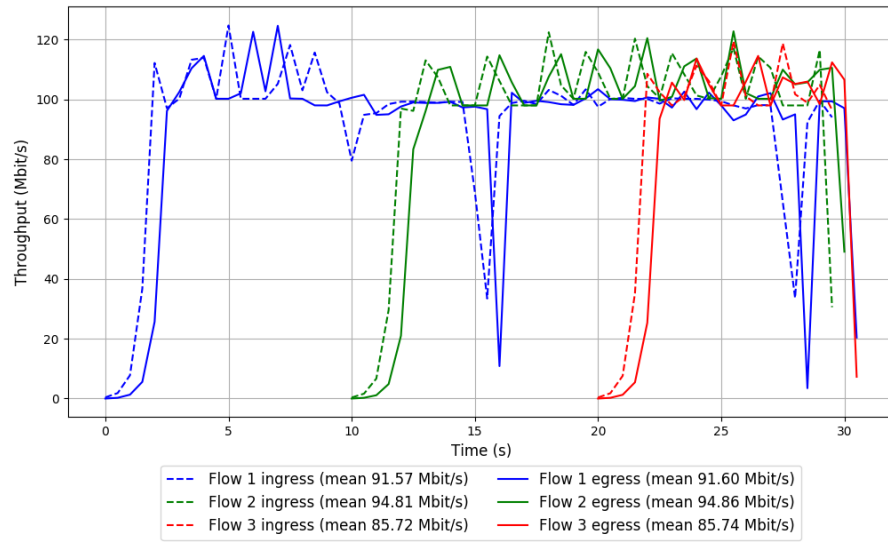
-- Flow 3:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 133.651 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

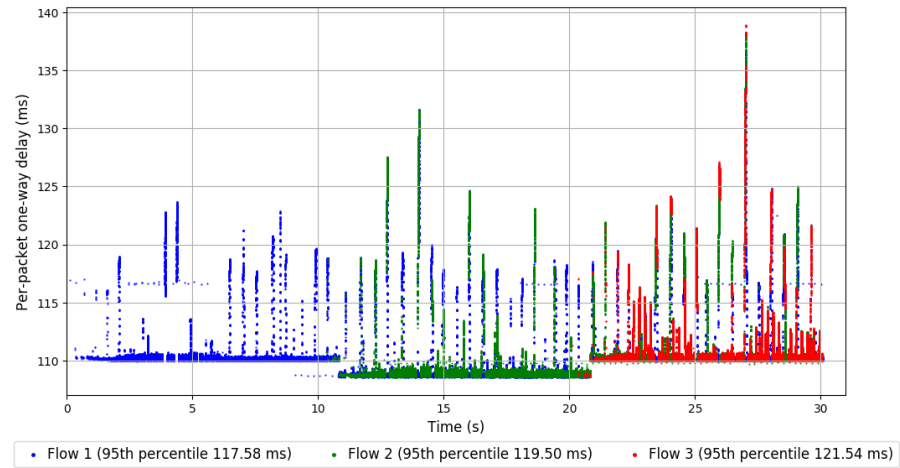
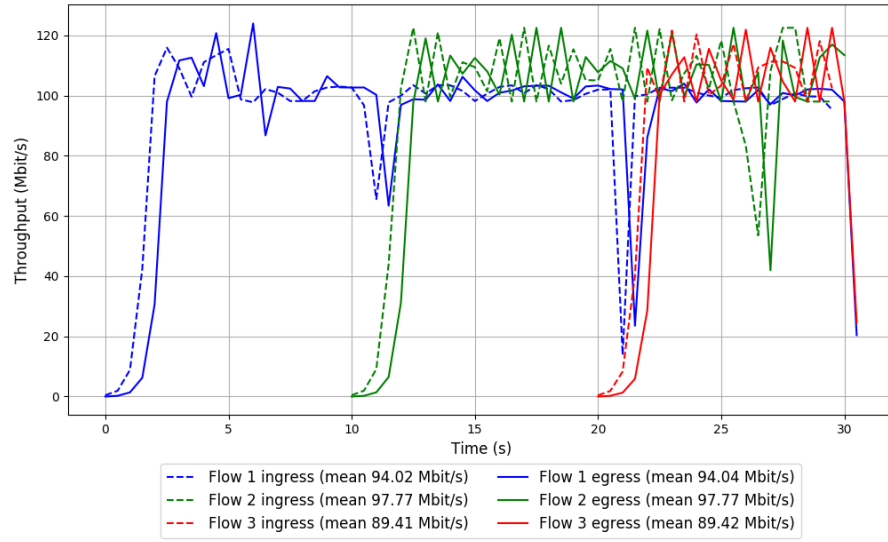


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 04:48:24
End at: 2018-05-22 04:48:54
Local clock offset: 0.129 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-22 06:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.49 Mbit/s
95th percentile per-packet one-way delay: 118.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 117.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.77 Mbit/s
95th percentile per-packet one-way delay: 119.500 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 121.544 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 05:11:31

End at: 2018-05-22 05:12:01

Local clock offset: -0.112 ms

Remote clock offset: 0.462 ms

Below is generated by plot.py at 2018-05-22 06:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 184.28 Mbit/s

95th percentile per-packet one-way delay: 111.615 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 111.278 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.93 Mbit/s

95th percentile per-packet one-way delay: 111.844 ms

Loss rate: 0.00%

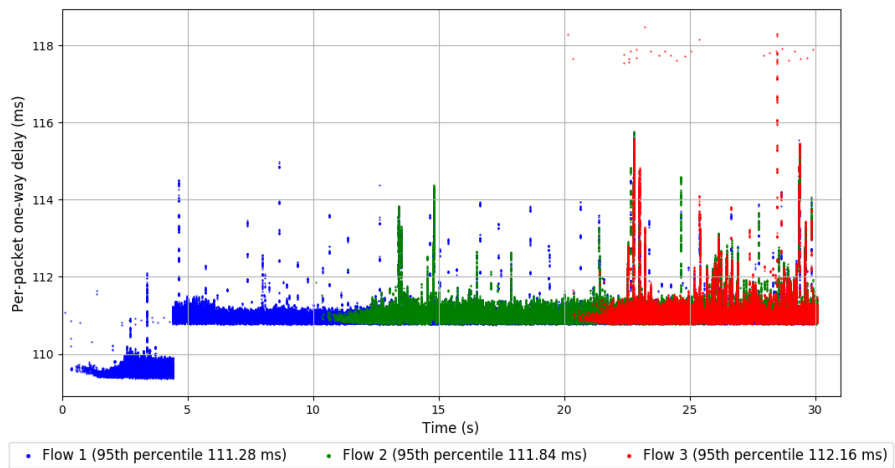
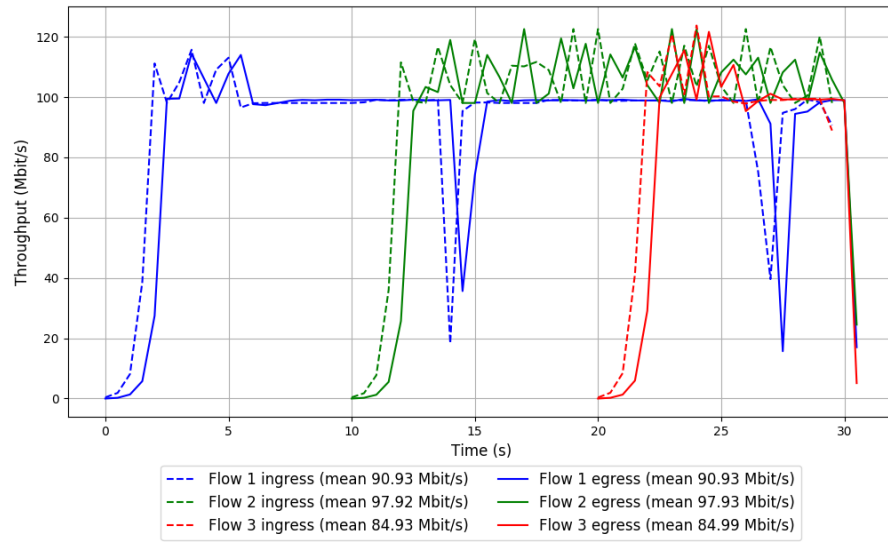
-- Flow 3:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 112.160 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

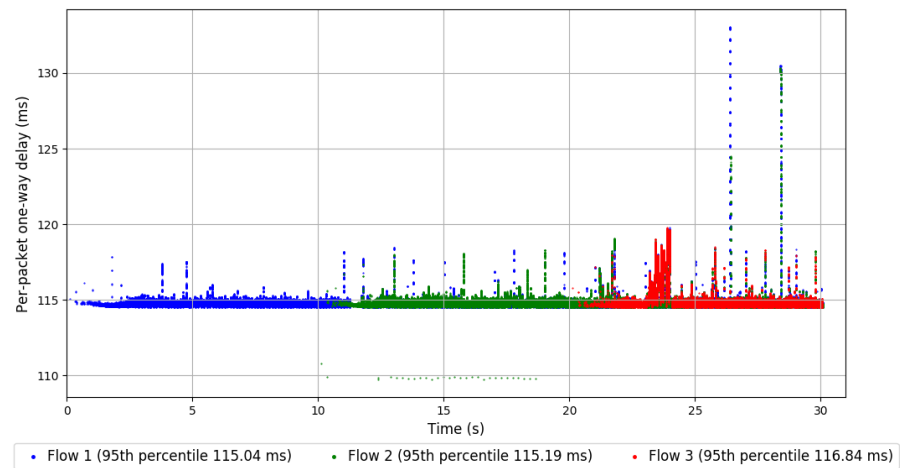
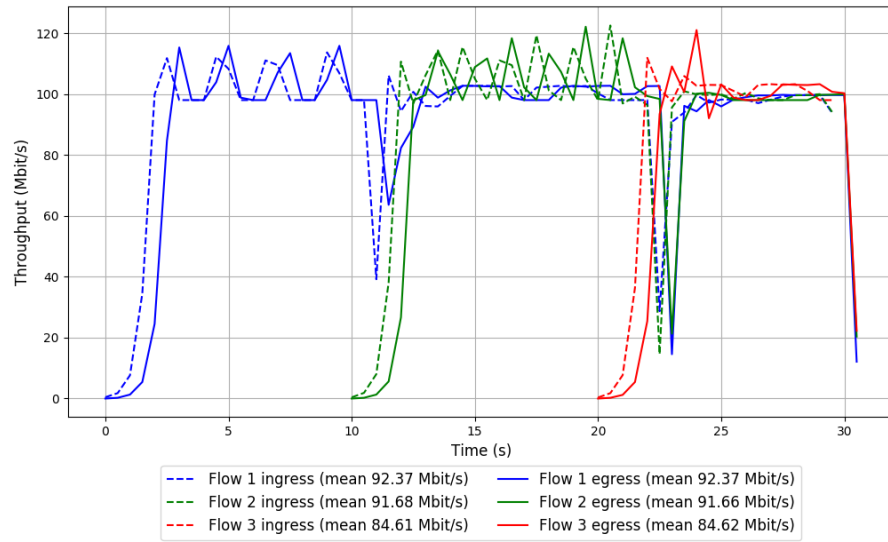


Run 9: Statistics of TCP BBR

Start at: 2018-05-22 05:35:06
End at: 2018-05-22 05:35:36
Local clock offset: 0.119 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-05-22 06:17:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 181.49 Mbit/s
95th percentile per-packet one-way delay: 115.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 115.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 115.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 116.838 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

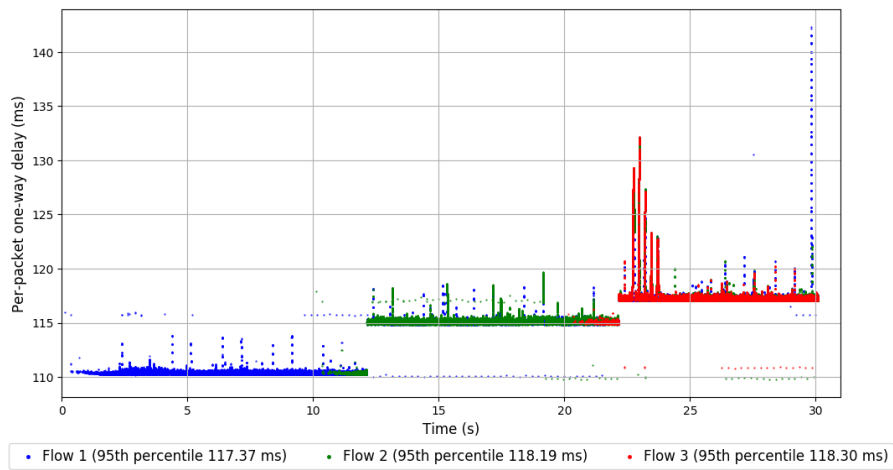
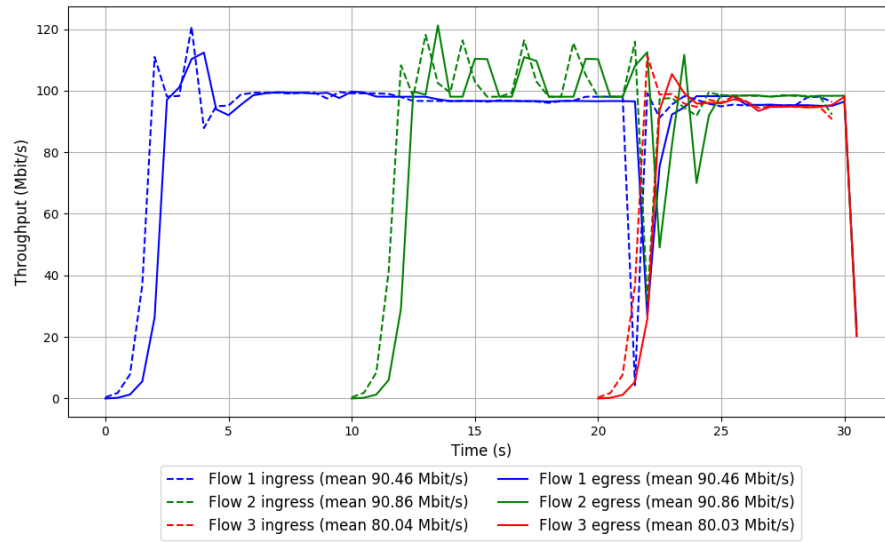


Run 10: Statistics of TCP BBR

Start at: 2018-05-22 05:58:13
End at: 2018-05-22 05:58:43
Local clock offset: -0.201 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 06:17:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.53 Mbit/s
95th percentile per-packet one-way delay: 117.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 117.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 118.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 80.03 Mbit/s
95th percentile per-packet one-way delay: 118.296 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

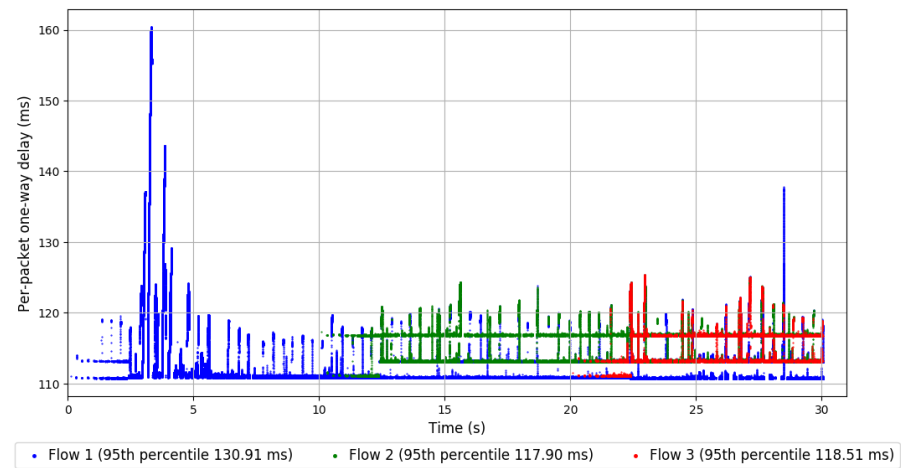
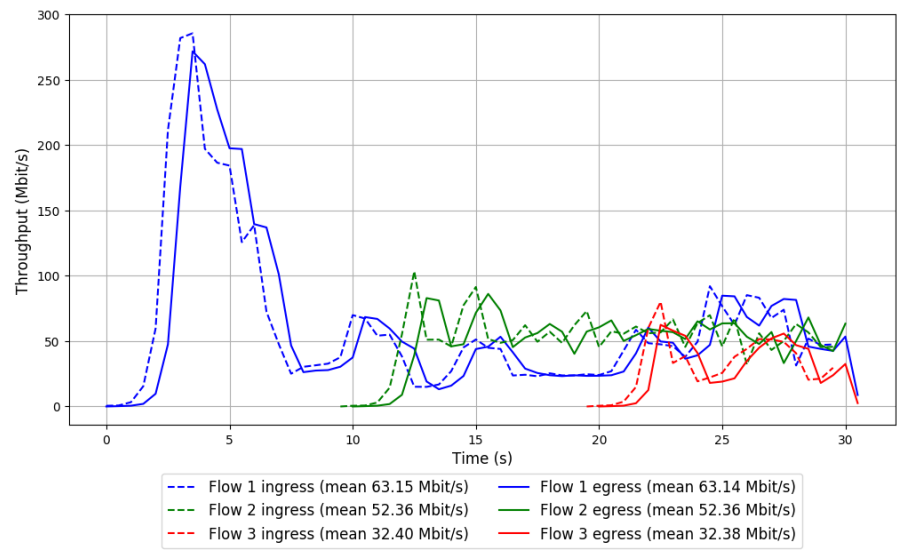


Run 1: Statistics of Copa

Start at: 2018-05-22 02:23:13
End at: 2018-05-22 02:23:43
Local clock offset: -0.308 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-22 06:18:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.63 Mbit/s
95th percentile per-packet one-way delay: 123.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.14 Mbit/s
95th percentile per-packet one-way delay: 130.909 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 117.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 118.508 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

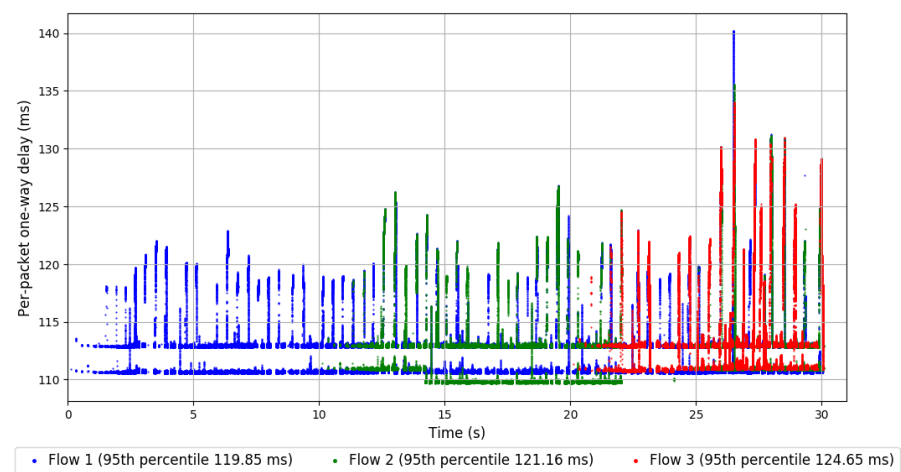
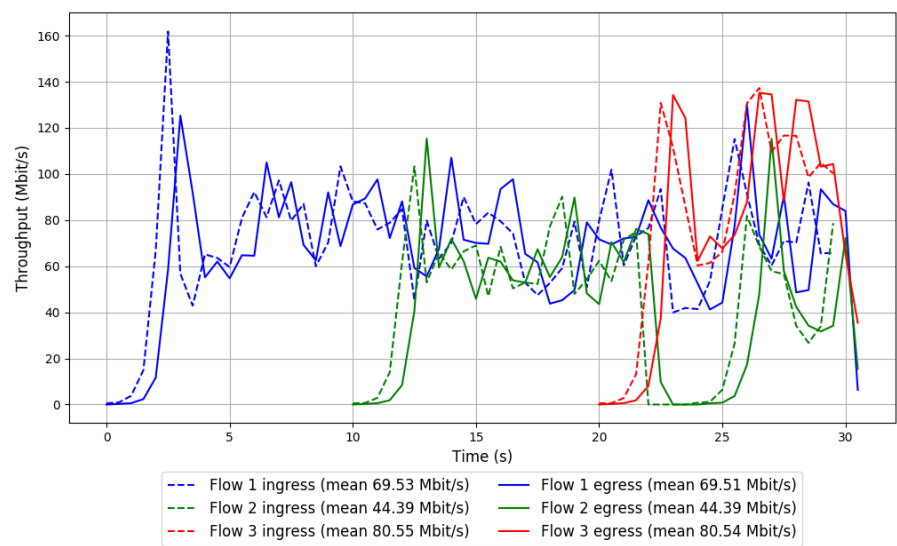


Run 2: Statistics of Copa

Start at: 2018-05-22 02:46:21
End at: 2018-05-22 02:46:51
Local clock offset: 0.001 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-22 06:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.69 Mbit/s
95th percentile per-packet one-way delay: 121.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 119.848 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 121.158 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 80.54 Mbit/s
95th percentile per-packet one-way delay: 124.651 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

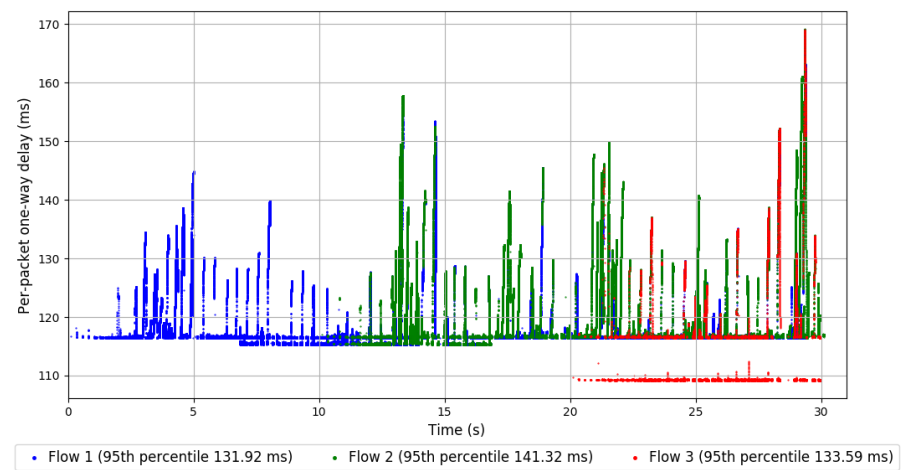
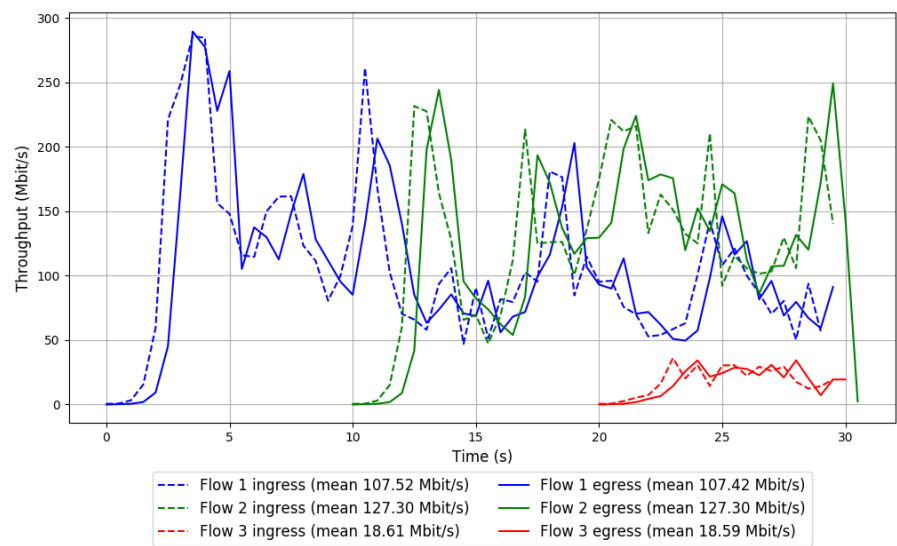


Run 3: Statistics of Copa

Start at: 2018-05-22 03:09:18
End at: 2018-05-22 03:09:48
Local clock offset: 0.271 ms
Remote clock offset: -0.444 ms

Below is generated by plot.py at 2018-05-22 06:21:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.80 Mbit/s
95th percentile per-packet one-way delay: 137.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.42 Mbit/s
95th percentile per-packet one-way delay: 131.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.30 Mbit/s
95th percentile per-packet one-way delay: 141.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 133.595 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

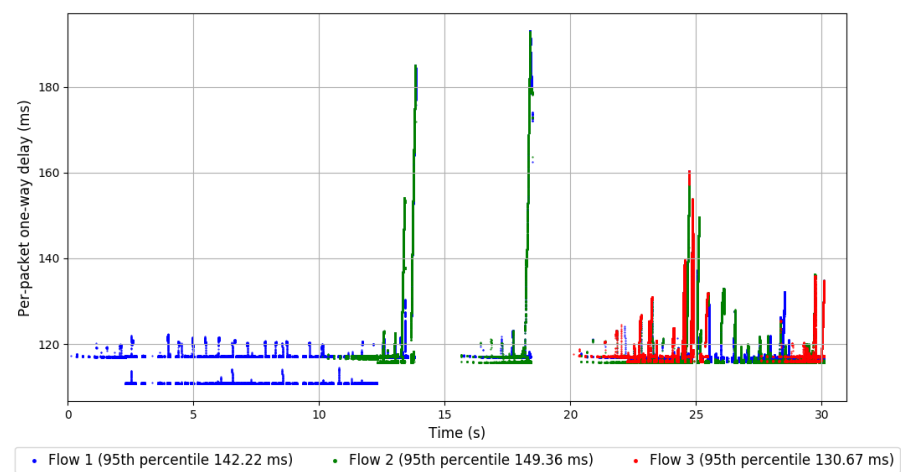
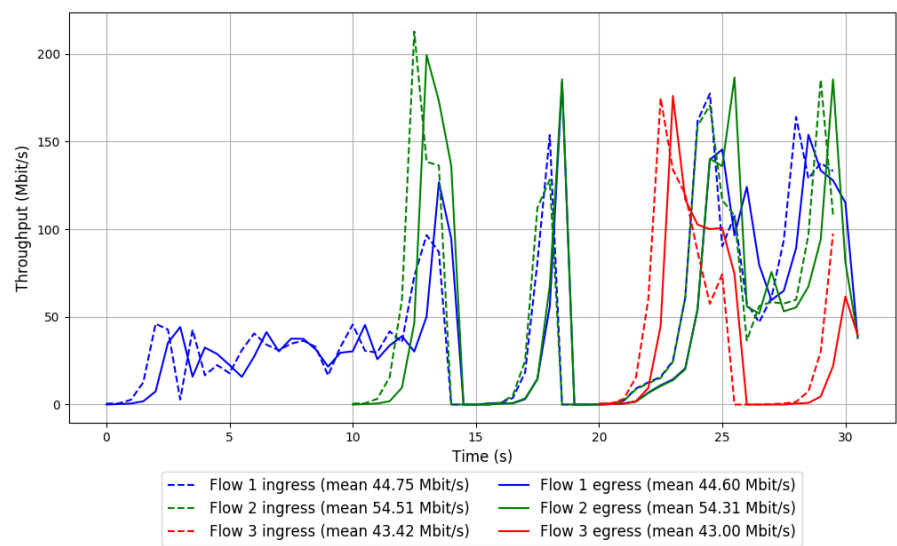


Run 4: Statistics of Copa

Start at: 2018-05-22 03:32:33
End at: 2018-05-22 03:33:03
Local clock offset: 0.217 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-22 06:21:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 143.009 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 142.215 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 149.359 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 130.669 ms
Loss rate: 0.96%

Run 4: Report of Copa — Data Link

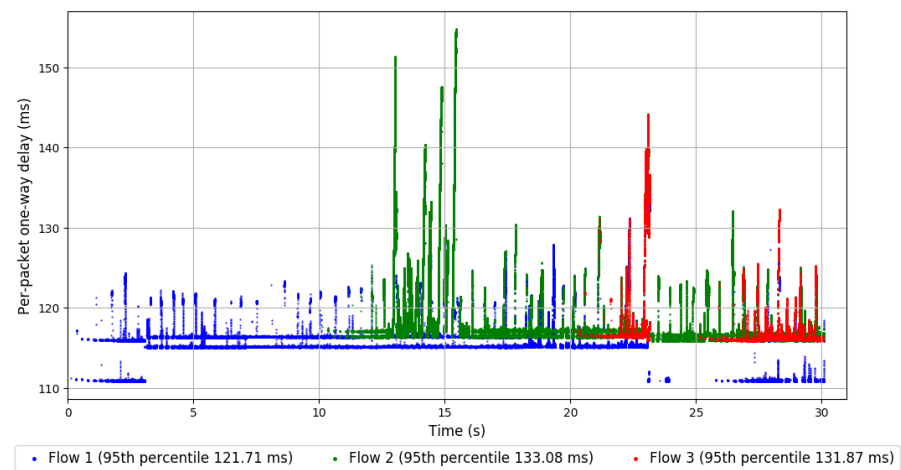
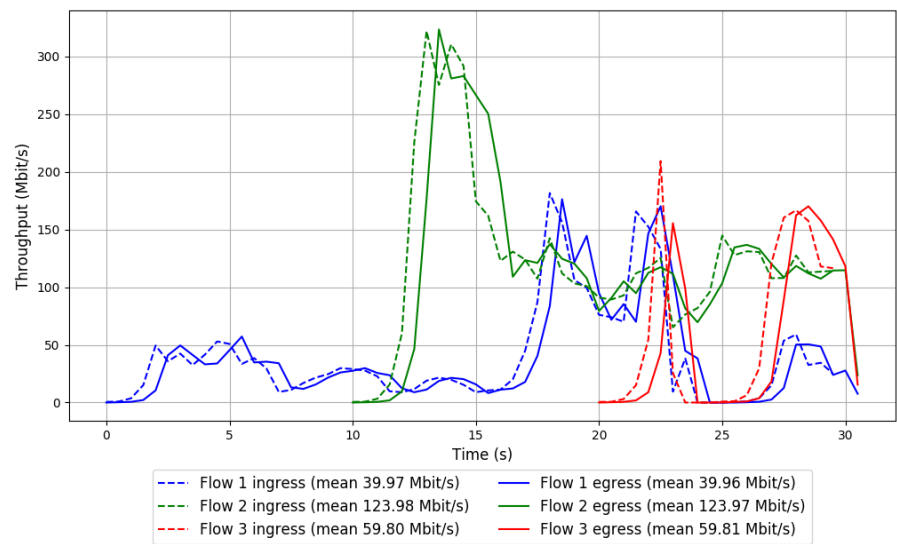


Run 5: Statistics of Copa

Start at: 2018-05-22 03:55:32
End at: 2018-05-22 03:56:02
Local clock offset: 0.032 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-22 06:21:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.31 Mbit/s
95th percentile per-packet one-way delay: 130.248 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 121.708 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 123.97 Mbit/s
95th percentile per-packet one-way delay: 133.084 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 131.868 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

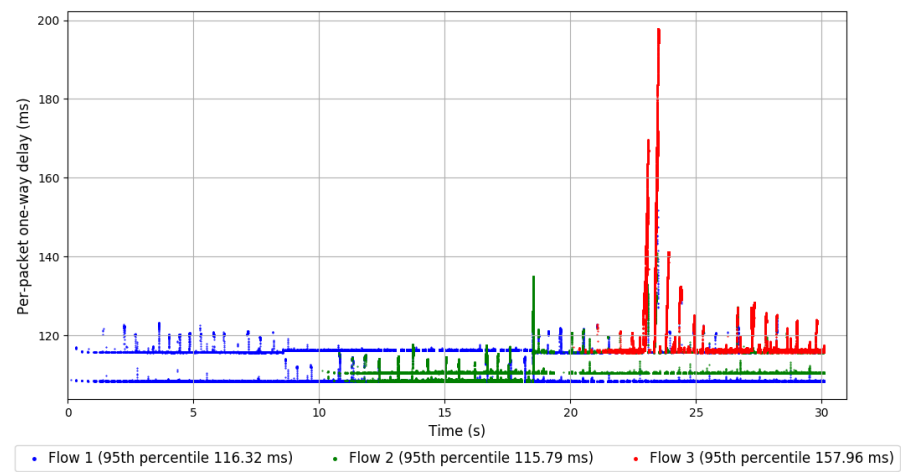
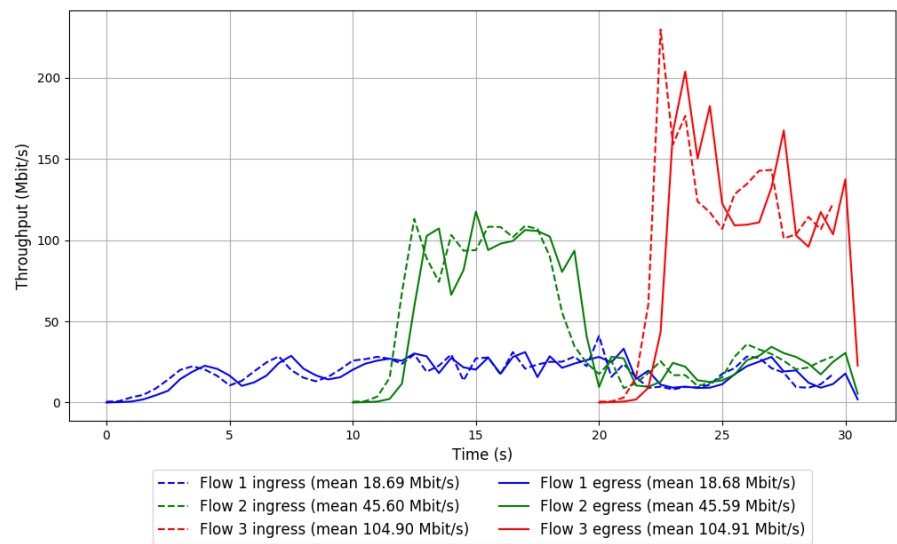


Run 6: Statistics of Copa

Start at: 2018-05-22 04:19:17
End at: 2018-05-22 04:19:47
Local clock offset: -0.085 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-05-22 06:21:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 134.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 116.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 115.793 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 104.91 Mbit/s
95th percentile per-packet one-way delay: 157.964 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

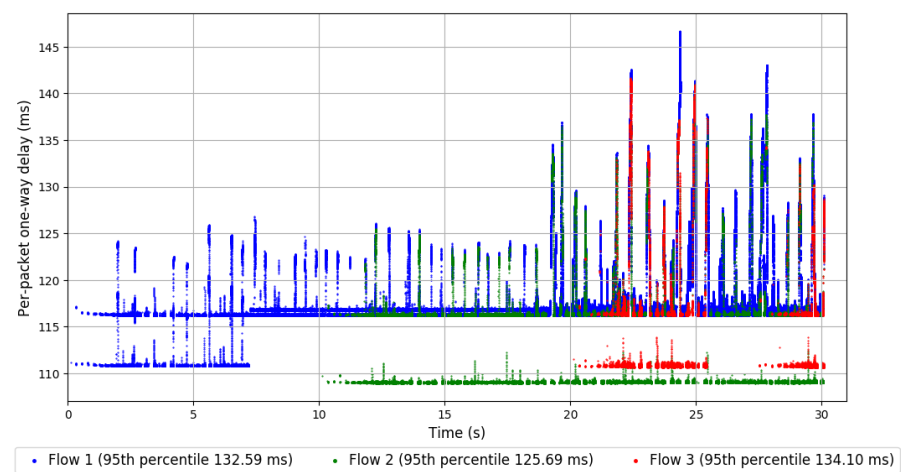
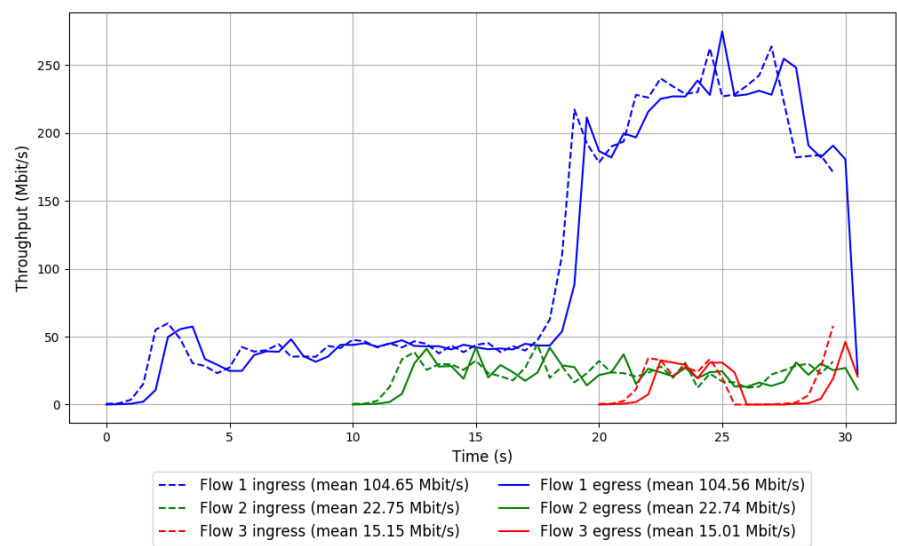


Run 7: Statistics of Copa

Start at: 2018-05-22 04:42:08
End at: 2018-05-22 04:42:38
Local clock offset: -0.257 ms
Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-22 06:22:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.68 Mbit/s
95th percentile per-packet one-way delay: 132.373 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 104.56 Mbit/s
95th percentile per-packet one-way delay: 132.594 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 125.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.01 Mbit/s
95th percentile per-packet one-way delay: 134.104 ms
Loss rate: 0.84%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-22 05:05:32

End at: 2018-05-22 05:06:02

Local clock offset: 0.293 ms

Remote clock offset: 0.445 ms

Below is generated by plot.py at 2018-05-22 06:24:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.89 Mbit/s

95th percentile per-packet one-way delay: 131.375 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.89 Mbit/s

95th percentile per-packet one-way delay: 117.064 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 169.88 Mbit/s

95th percentile per-packet one-way delay: 136.209 ms

Loss rate: 0.00%

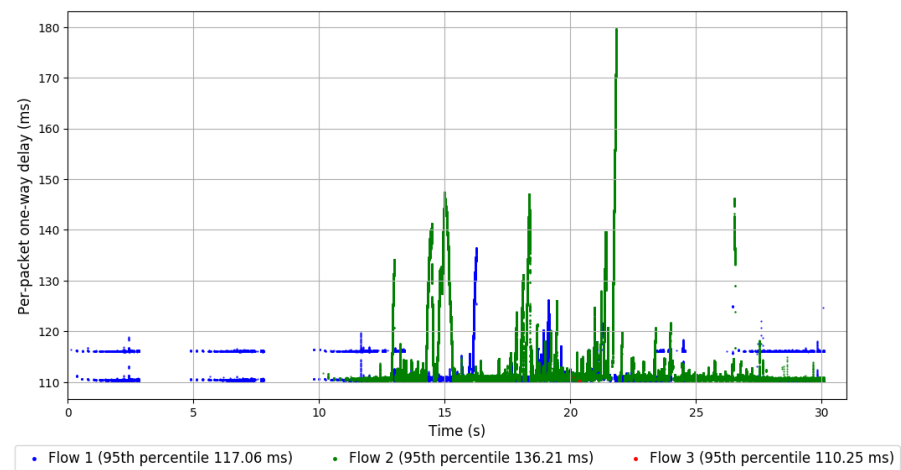
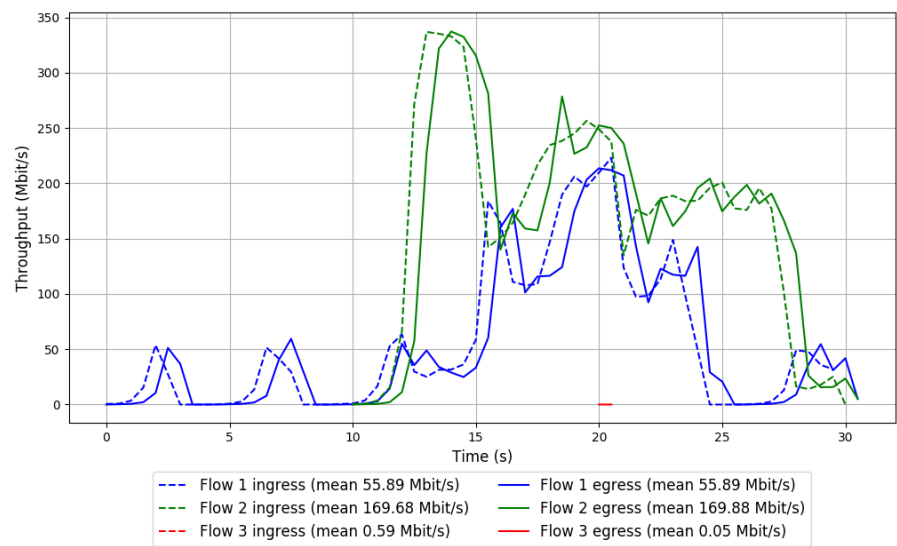
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 110.255 ms

Loss rate: 90.91%

Run 8: Report of Copa — Data Link

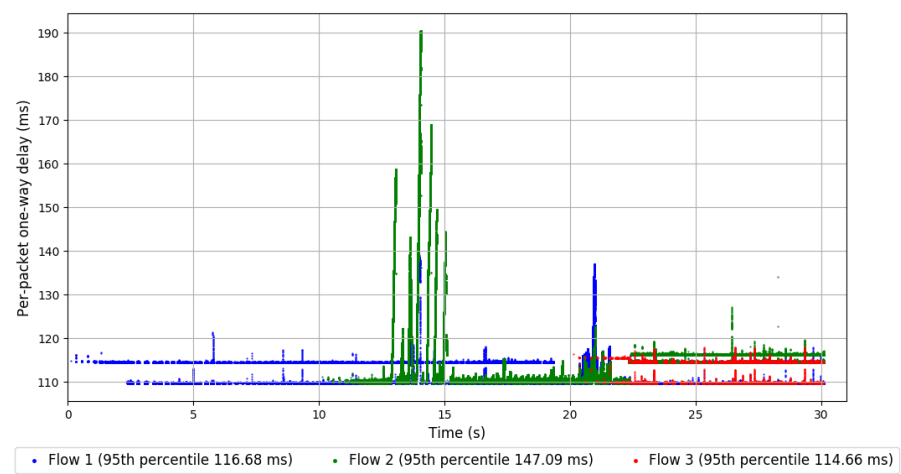
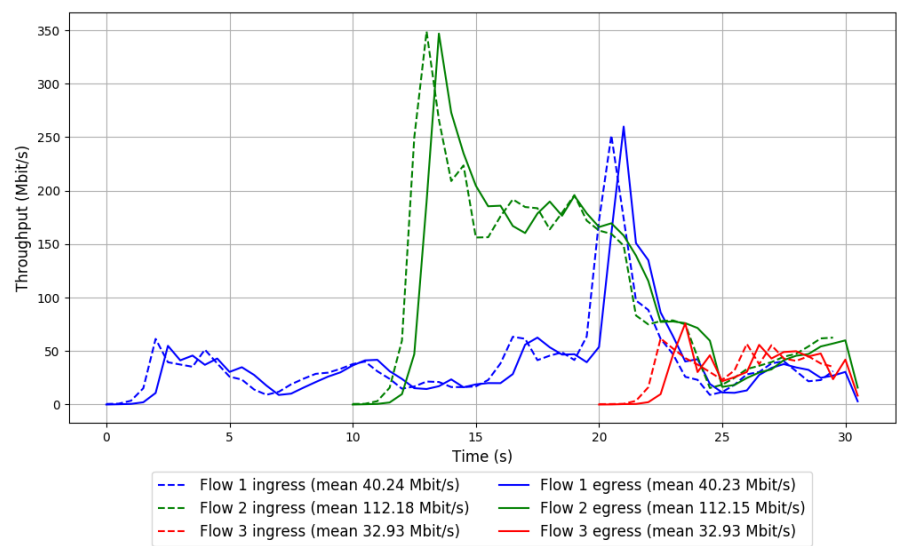


Run 9: Statistics of Copa

Start at: 2018-05-22 05:28:53
End at: 2018-05-22 05:29:23
Local clock offset: 0.33 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-05-22 06:24:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.86 Mbit/s
95th percentile per-packet one-way delay: 136.865 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 116.681 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 112.15 Mbit/s
95th percentile per-packet one-way delay: 147.093 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 114.656 ms
Loss rate: 0.03%

Run 9: Report of Copa — Data Link

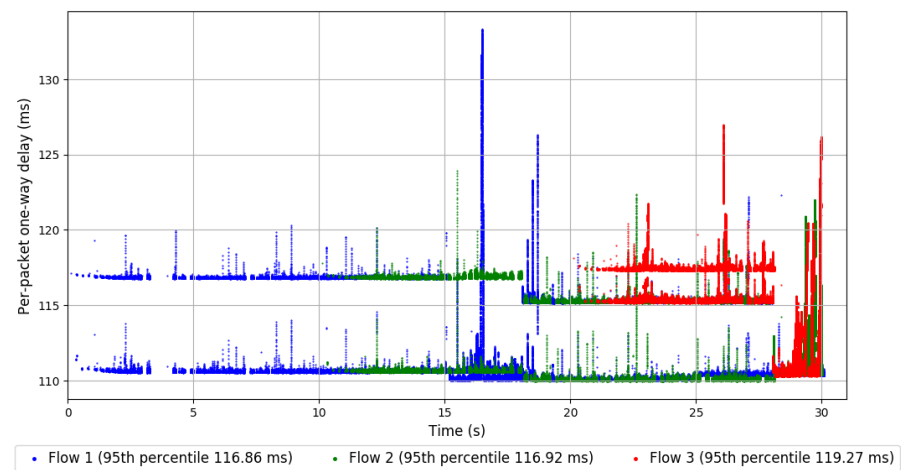
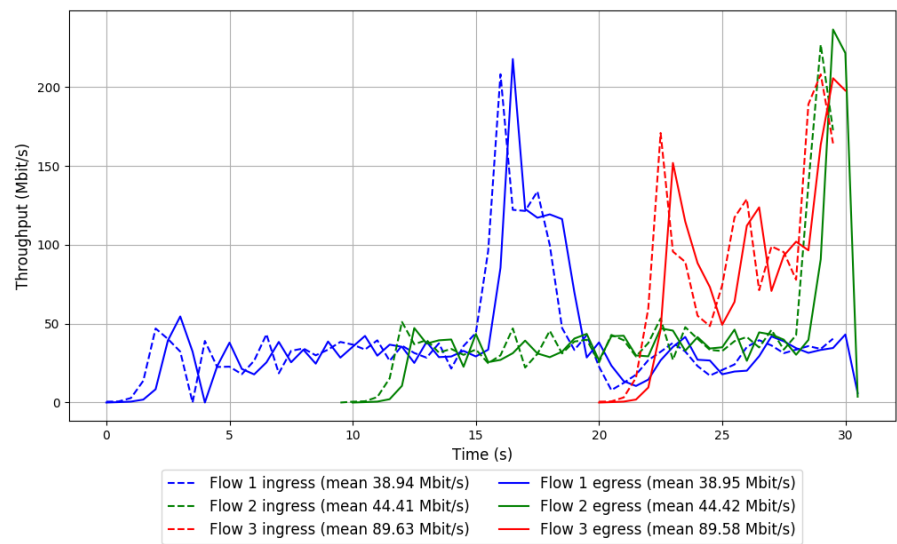


Run 10: Statistics of Copa

Start at: 2018-05-22 05:52:17
End at: 2018-05-22 05:52:47
Local clock offset: -0.467 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 06:24:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.96 Mbit/s
95th percentile per-packet one-way delay: 117.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 116.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.42 Mbit/s
95th percentile per-packet one-way delay: 116.923 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 119.267 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

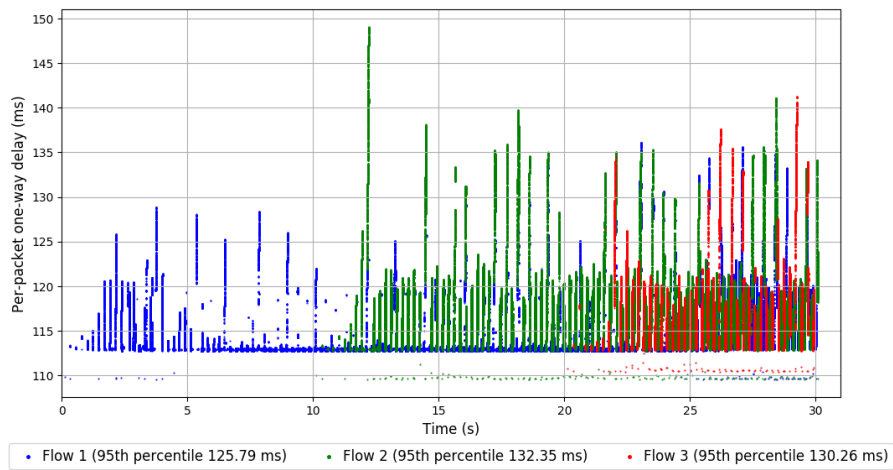
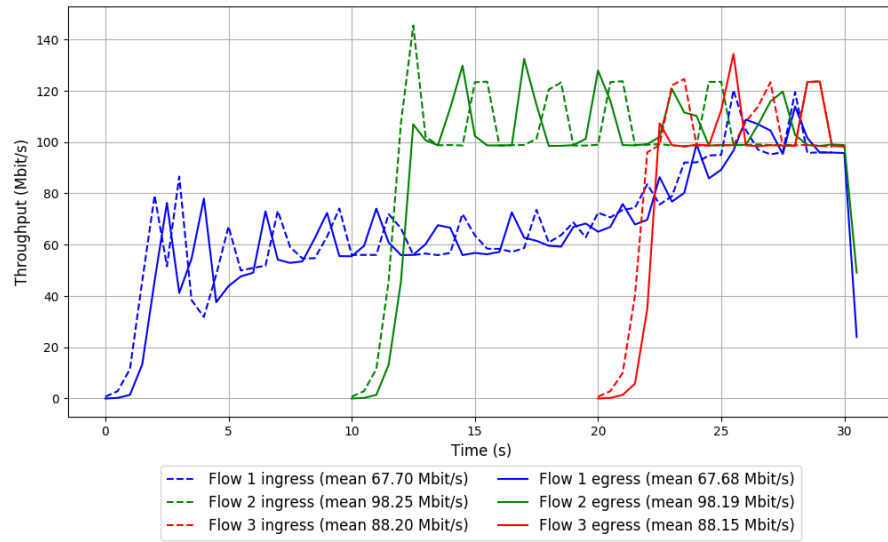


Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 02:27:46
End at: 2018-05-22 02:28:16
Local clock offset: 0.11 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-22 06:24:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.74 Mbit/s
95th percentile per-packet one-way delay: 130.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 125.791 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.19 Mbit/s
95th percentile per-packet one-way delay: 132.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 130.257 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

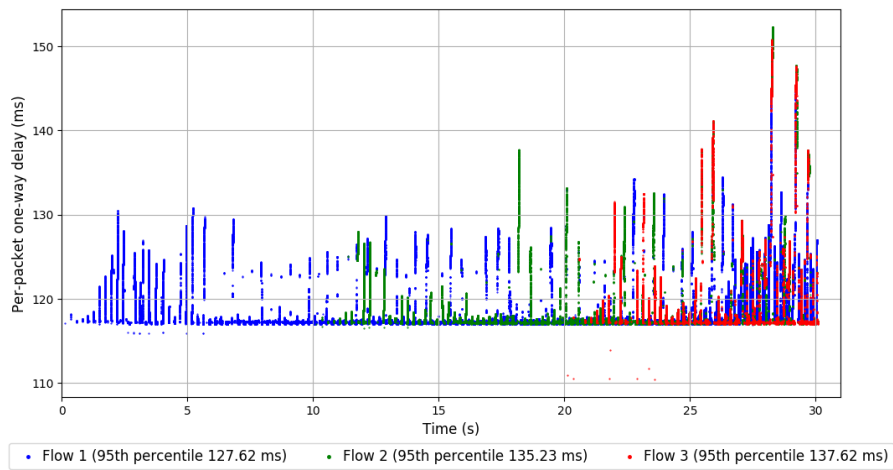
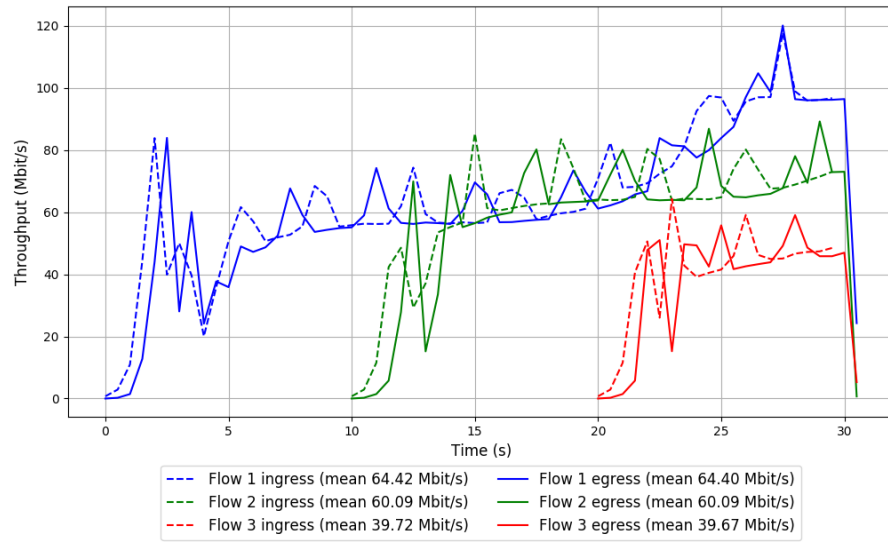


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 02:51:00
End at: 2018-05-22 02:51:30
Local clock offset: 0.064 ms
Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-22 06:24:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 117.44 Mbit/s
95th percentile per-packet one-way delay: 130.027 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.40 Mbit/s
95th percentile per-packet one-way delay: 127.624 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 135.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 137.620 ms
Loss rate: 0.11%

Run 2: Report of TCP Cubic — Data Link

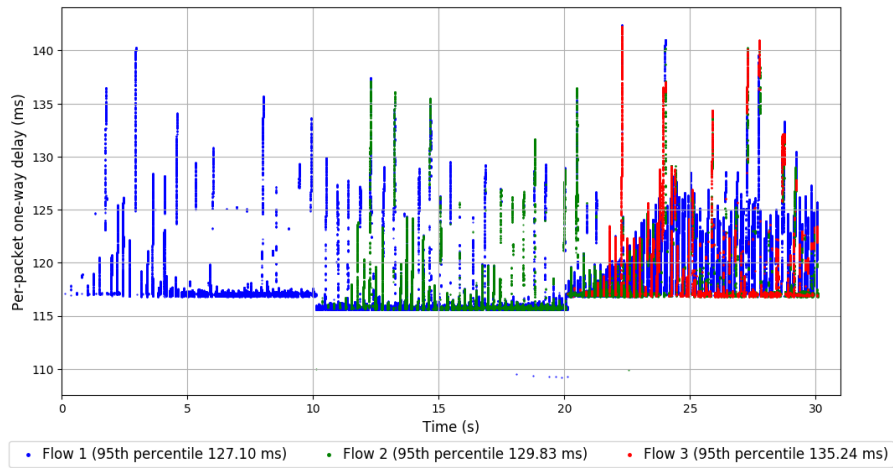
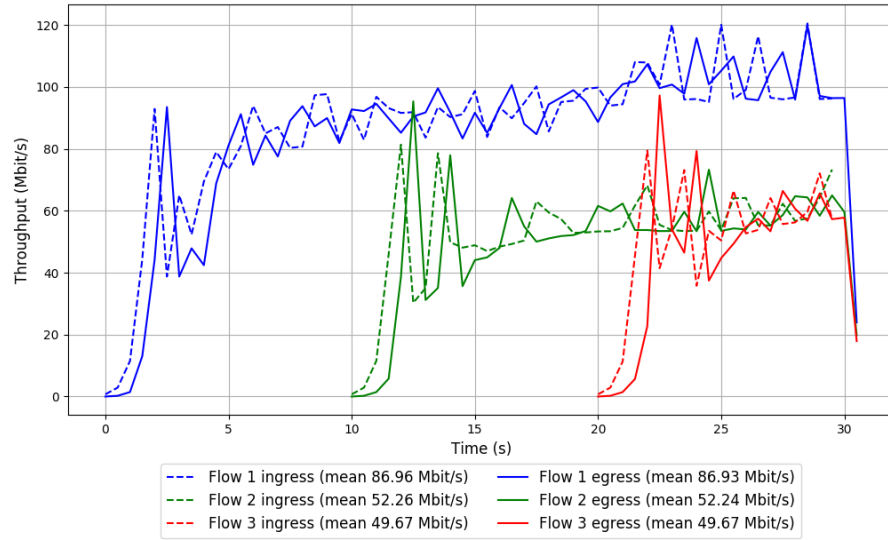


Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 03:14:05
End at: 2018-05-22 03:14:35
Local clock offset: 0.302 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 06:24:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.05 Mbit/s
95th percentile per-packet one-way delay: 128.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 127.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.24 Mbit/s
95th percentile per-packet one-way delay: 129.832 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 135.235 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

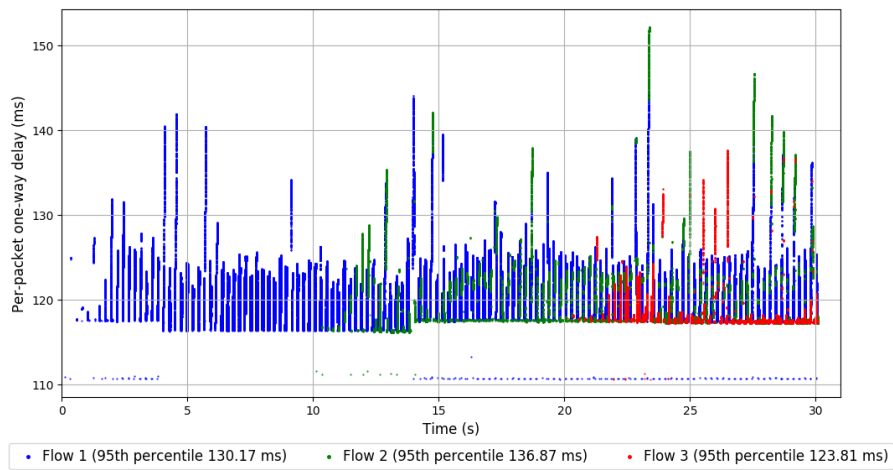
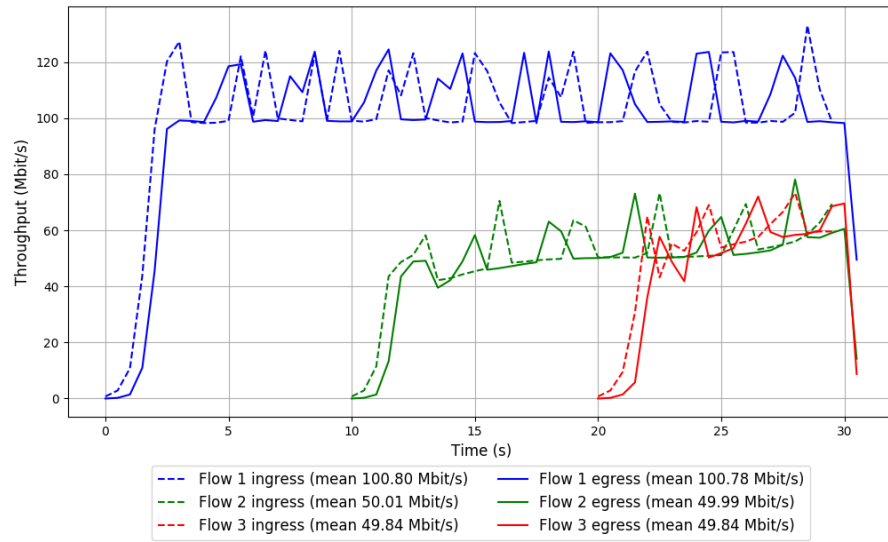


Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 03:37:11
End at: 2018-05-22 03:37:41
Local clock offset: -0.175 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-22 06:24:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.48 Mbit/s
95th percentile per-packet one-way delay: 131.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.78 Mbit/s
95th percentile per-packet one-way delay: 130.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 136.871 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 123.813 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

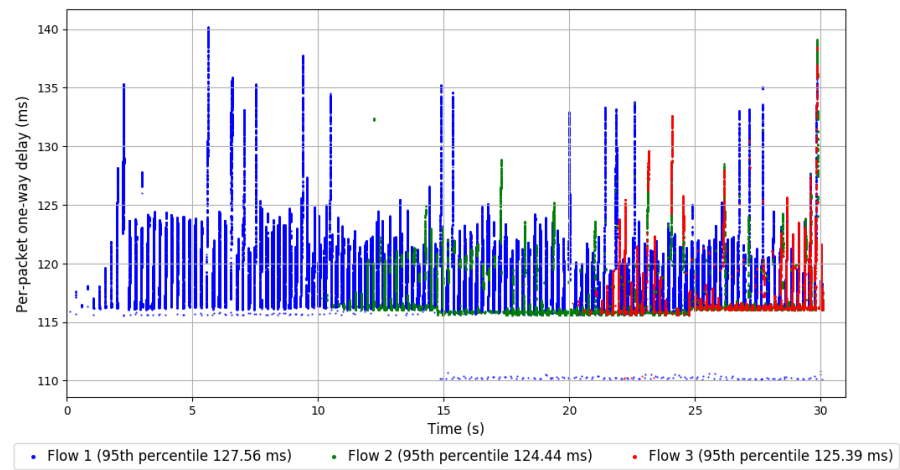
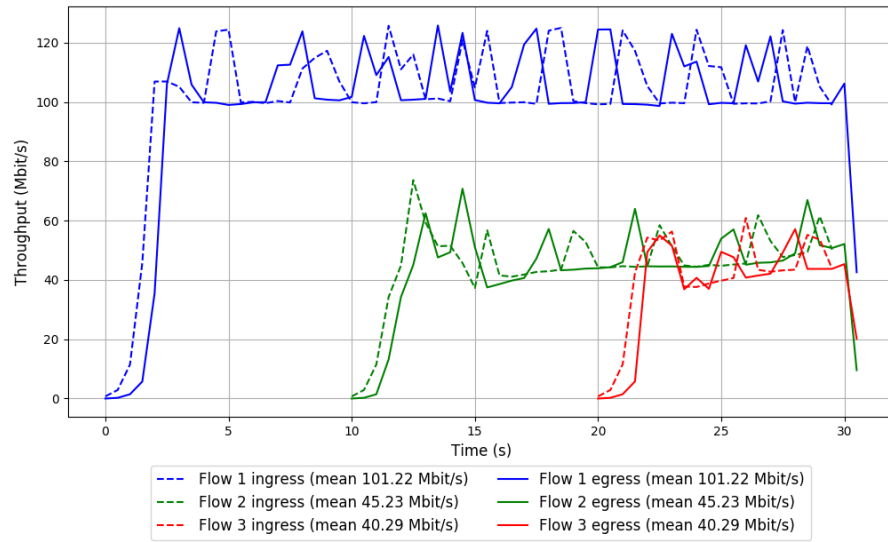


Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 04:00:21
End at: 2018-05-22 04:00:51
Local clock offset: -0.058 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-05-22 06:24:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.70 Mbit/s
95th percentile per-packet one-way delay: 126.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.22 Mbit/s
95th percentile per-packet one-way delay: 127.564 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 124.443 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 125.392 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

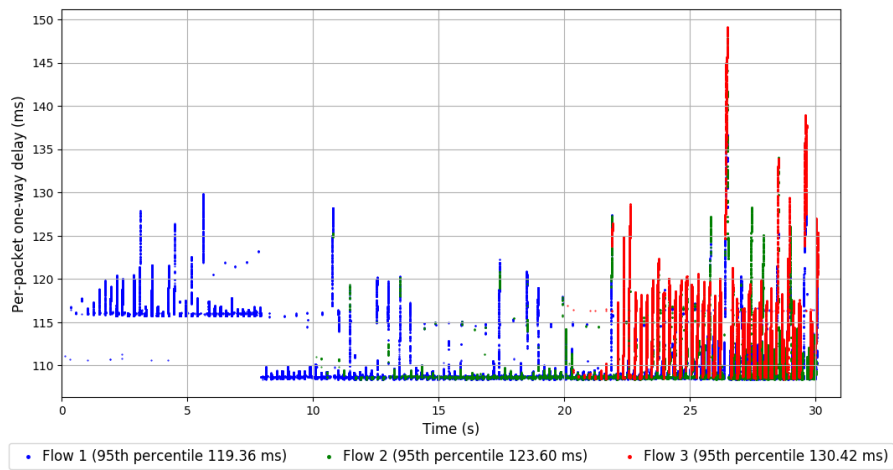
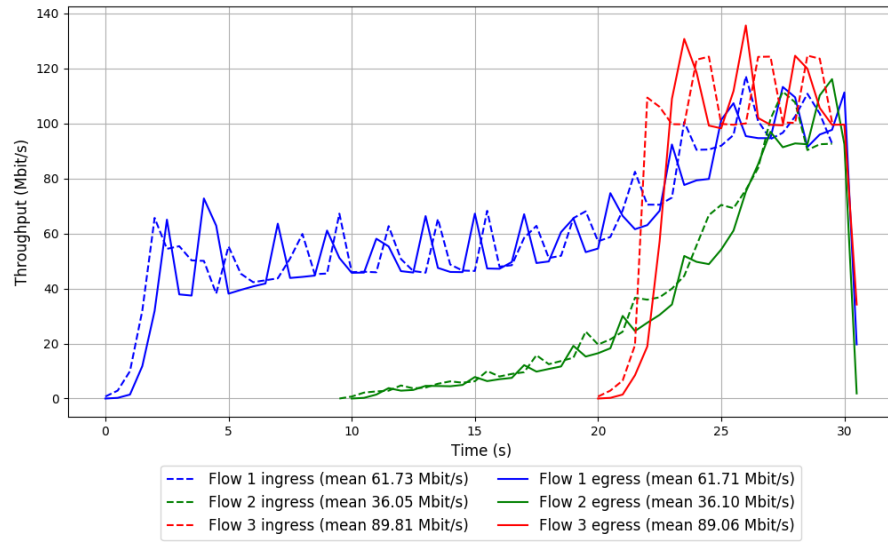


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 04:23:47
End at: 2018-05-22 04:24:17
Local clock offset: 0.177 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-22 06:24:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.28 Mbit/s
95th percentile per-packet one-way delay: 123.259 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 119.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 123.597 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 130.416 ms
Loss rate: 0.87%

Run 6: Report of TCP Cubic — Data Link

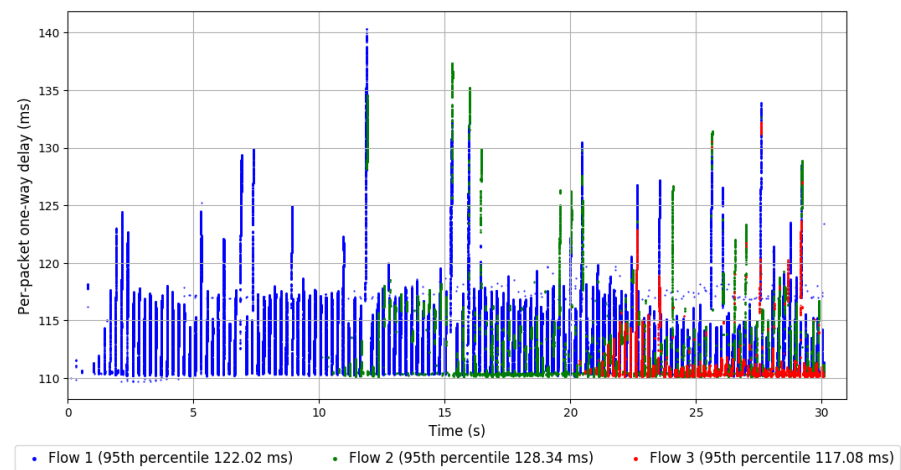
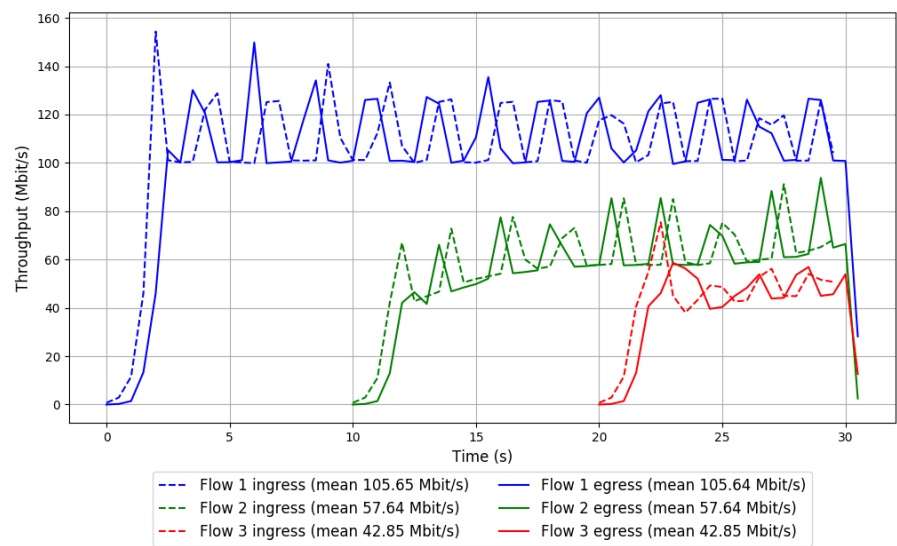


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 04:47:01
End at: 2018-05-22 04:47:31
Local clock offset: 0.034 ms
Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-05-22 06:24:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.23 Mbit/s
95th percentile per-packet one-way delay: 123.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.64 Mbit/s
95th percentile per-packet one-way delay: 122.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 128.344 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.85 Mbit/s
95th percentile per-packet one-way delay: 117.078 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

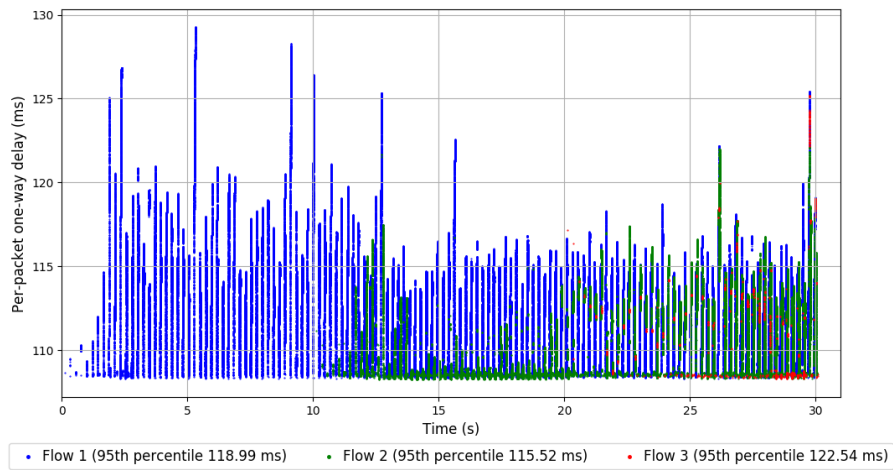
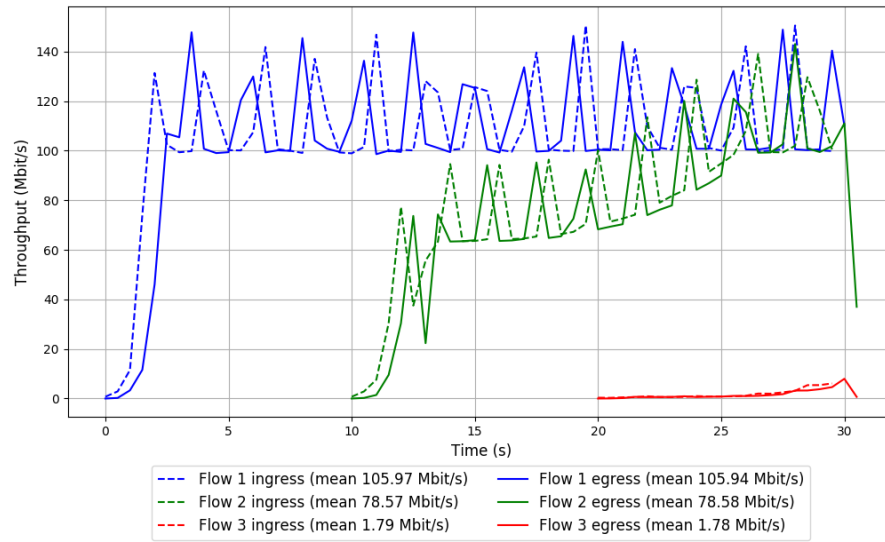


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 05:10:08
End at: 2018-05-22 05:10:38
Local clock offset: 0.193 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-05-22 06:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.49 Mbit/s
95th percentile per-packet one-way delay: 118.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.94 Mbit/s
95th percentile per-packet one-way delay: 118.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 115.519 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 122.536 ms
Loss rate: 0.54%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 05:33:46

End at: 2018-05-22 05:34:16

Local clock offset: -0.037 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2018-05-22 06:25:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.41 Mbit/s

95th percentile per-packet one-way delay: 121.689 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.89 Mbit/s

95th percentile per-packet one-way delay: 122.368 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.89 Mbit/s

95th percentile per-packet one-way delay: 119.247 ms

Loss rate: 0.00%

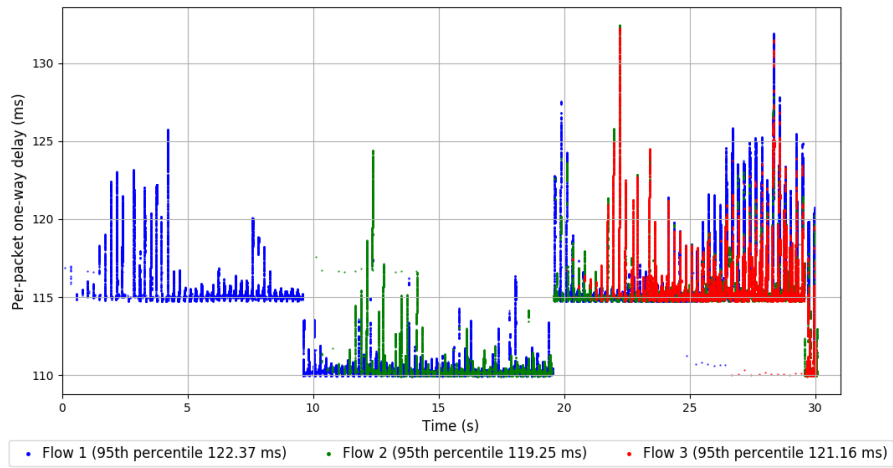
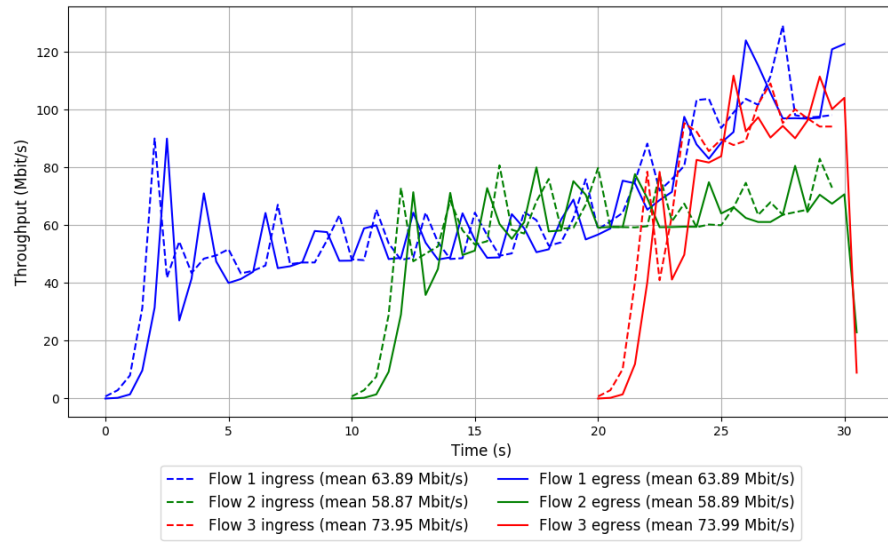
-- Flow 3:

Average throughput: 73.99 Mbit/s

95th percentile per-packet one-way delay: 121.158 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

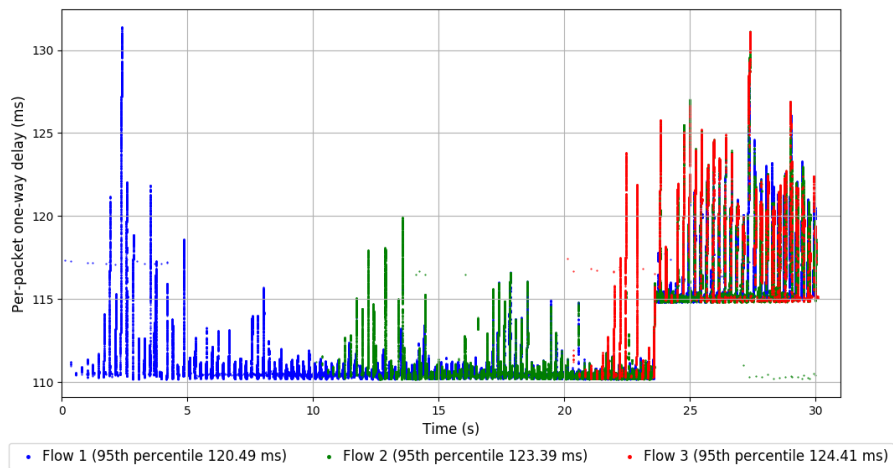
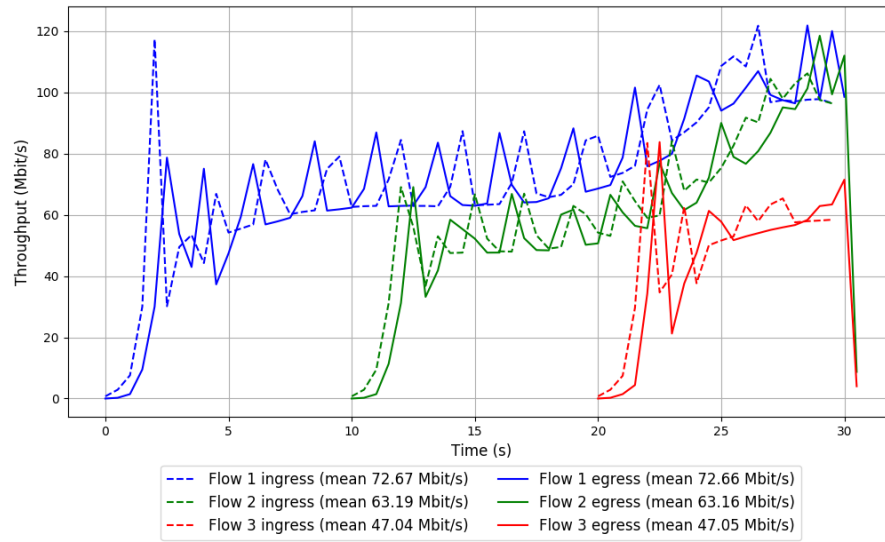


Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 05:56:52
End at: 2018-05-22 05:57:22
Local clock offset: -0.165 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-22 06:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.94 Mbit/s
95th percentile per-packet one-way delay: 122.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 120.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 123.385 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 124.414 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

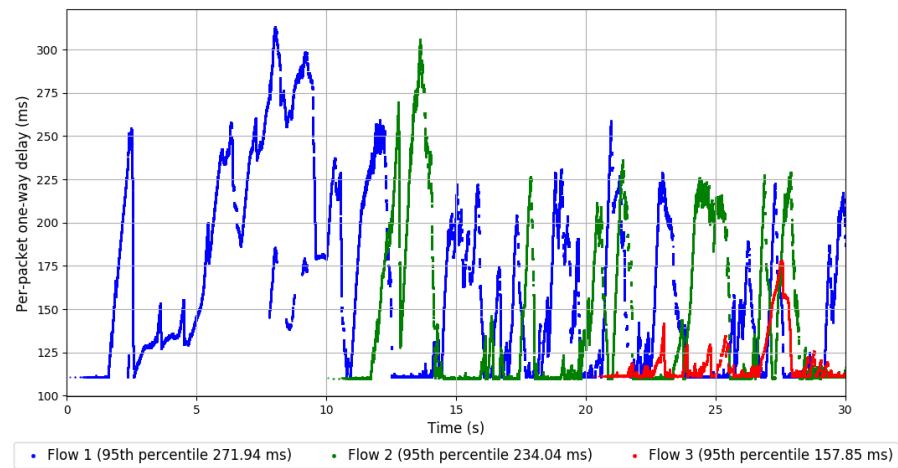
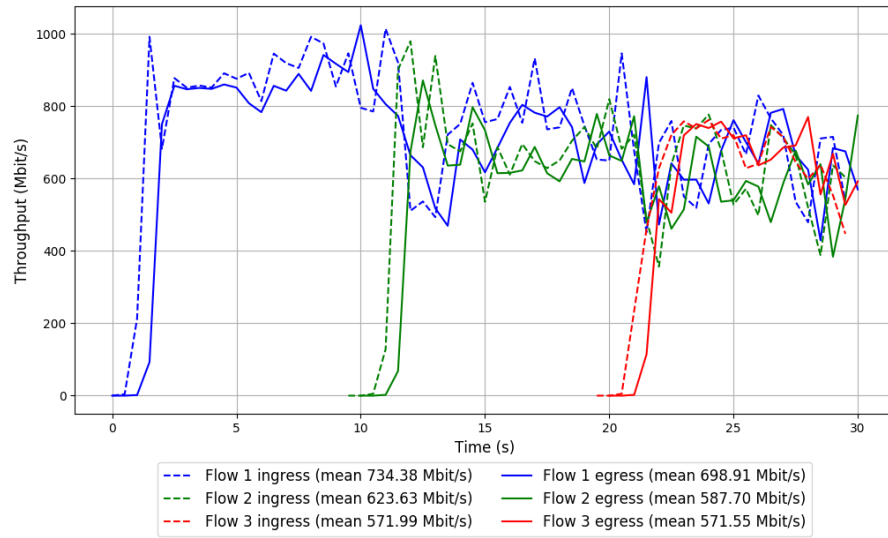


Run 1: Statistics of FillP

Start at: 2018-05-22 02:33:03
End at: 2018-05-22 02:33:33
Local clock offset: -0.182 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-22 06:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1280.46 Mbit/s
95th percentile per-packet one-way delay: 257.131 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 698.91 Mbit/s
95th percentile per-packet one-way delay: 271.936 ms
Loss rate: 4.83%
-- Flow 2:
Average throughput: 587.70 Mbit/s
95th percentile per-packet one-way delay: 234.043 ms
Loss rate: 5.75%
-- Flow 3:
Average throughput: 571.55 Mbit/s
95th percentile per-packet one-way delay: 157.852 ms
Loss rate: 0.04%

Run 1: Report of FillP — Data Link

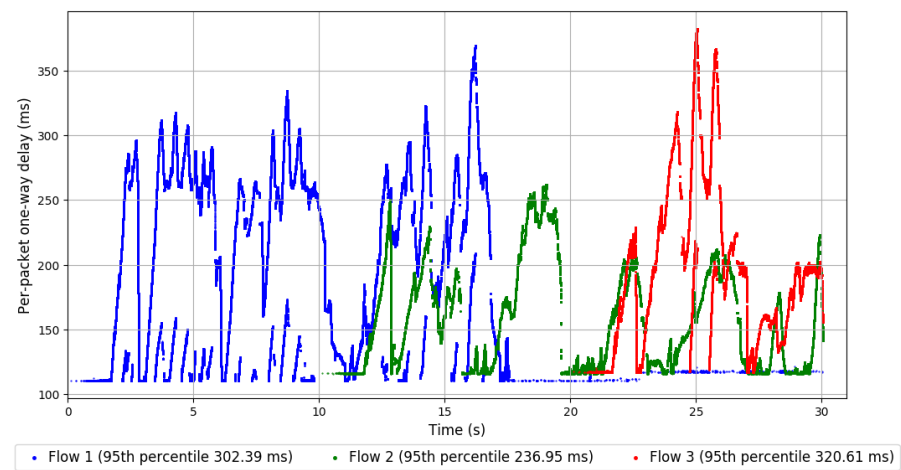
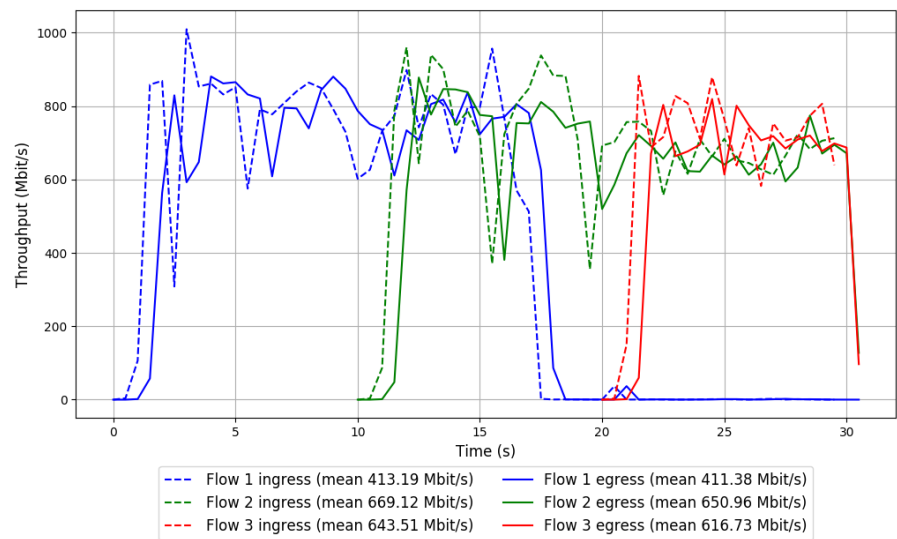


Run 2: Statistics of FillP

Start at: 2018-05-22 02:56:12
End at: 2018-05-22 02:56:42
Local clock offset: 0.017 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-22 06:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1048.41 Mbit/s
95th percentile per-packet one-way delay: 293.040 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 411.38 Mbit/s
95th percentile per-packet one-way delay: 302.389 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 650.96 Mbit/s
95th percentile per-packet one-way delay: 236.948 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 616.73 Mbit/s
95th percentile per-packet one-way delay: 320.614 ms
Loss rate: 4.17%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-22 03:19:23

End at: 2018-05-22 03:19:53

Local clock offset: -0.002 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-22 06:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1113.49 Mbit/s

95th percentile per-packet one-way delay: 261.051 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 598.08 Mbit/s

95th percentile per-packet one-way delay: 263.525 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 484.62 Mbit/s

95th percentile per-packet one-way delay: 275.132 ms

Loss rate: 0.52%

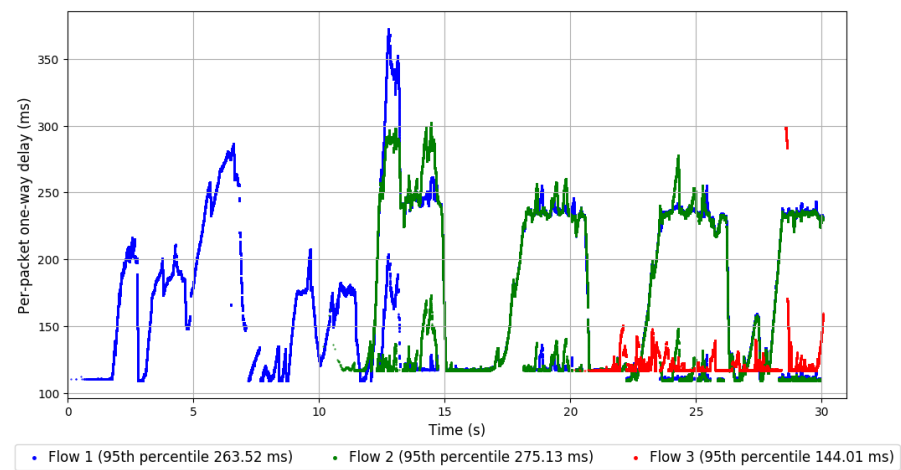
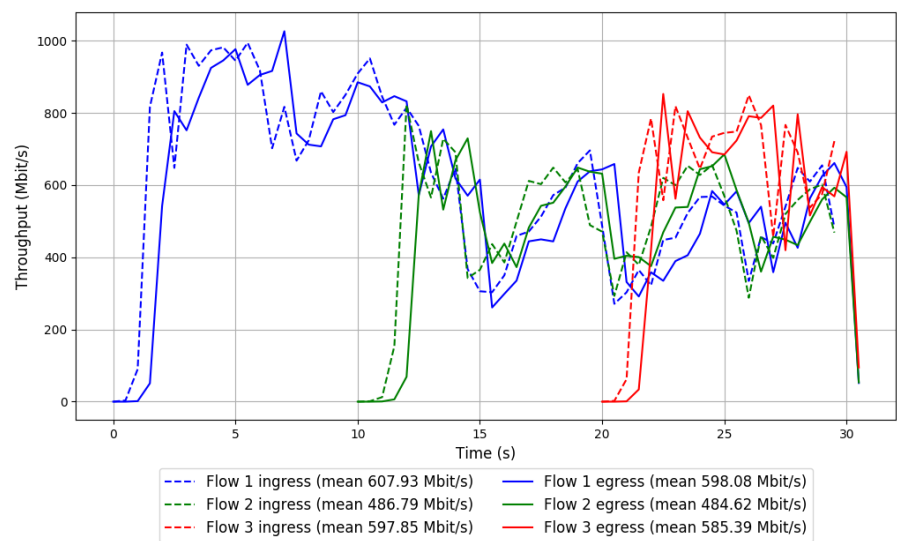
-- Flow 3:

Average throughput: 585.39 Mbit/s

95th percentile per-packet one-way delay: 144.009 ms

Loss rate: 2.06%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-22 03:42:32

End at: 2018-05-22 03:43:02

Local clock offset: -0.108 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-05-22 06:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1035.57 Mbit/s

95th percentile per-packet one-way delay: 182.509 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 610.00 Mbit/s

95th percentile per-packet one-way delay: 187.250 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 461.40 Mbit/s

95th percentile per-packet one-way delay: 129.857 ms

Loss rate: 0.00%

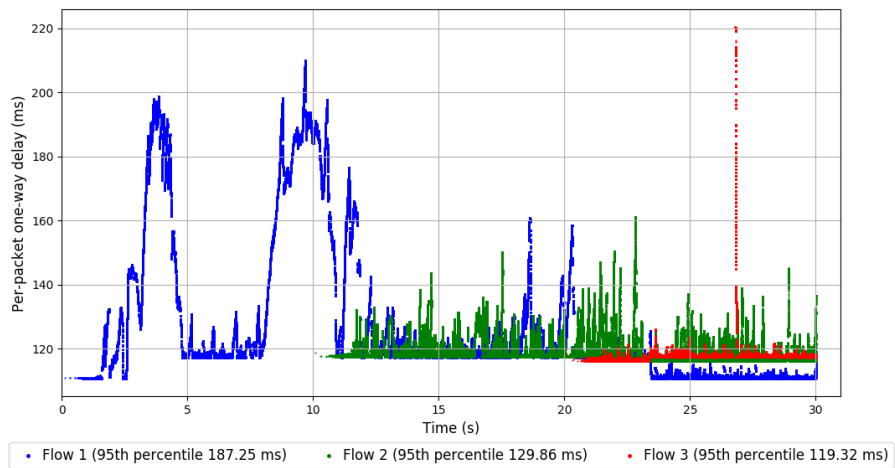
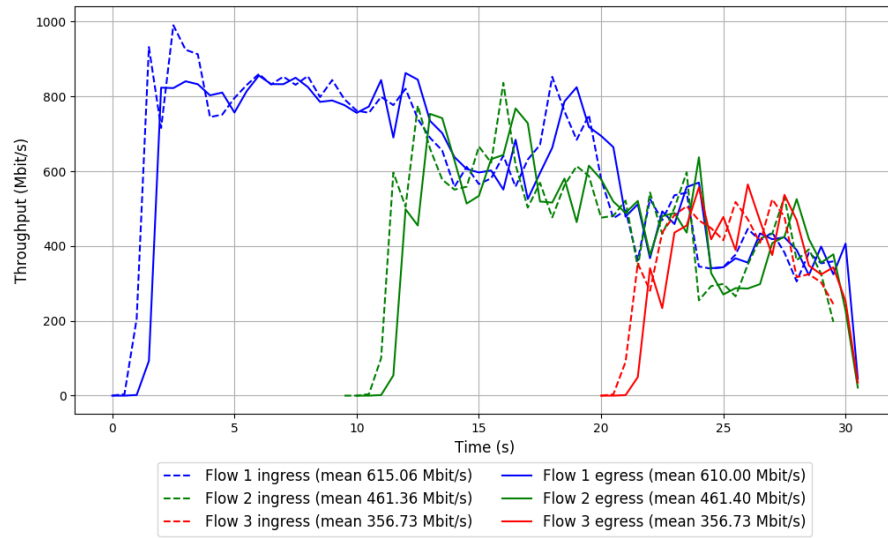
-- Flow 3:

Average throughput: 356.73 Mbit/s

95th percentile per-packet one-way delay: 119.323 ms

Loss rate: 0.01%

Run 4: Report of FillP — Data Link

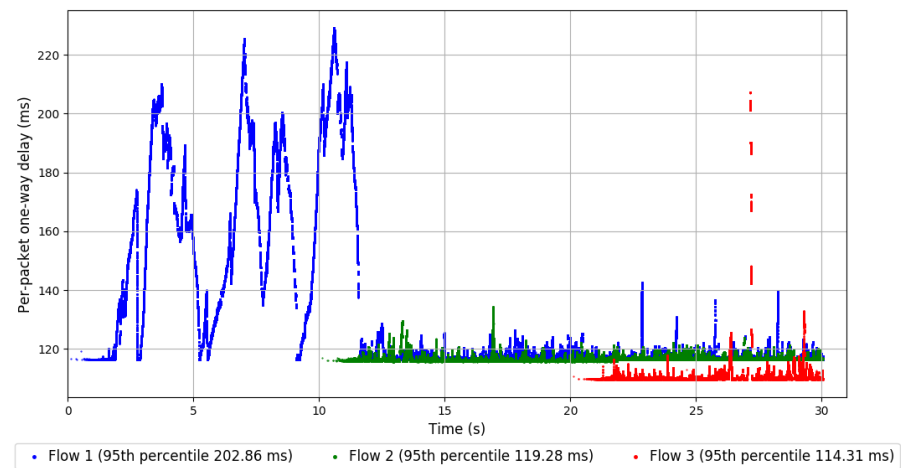
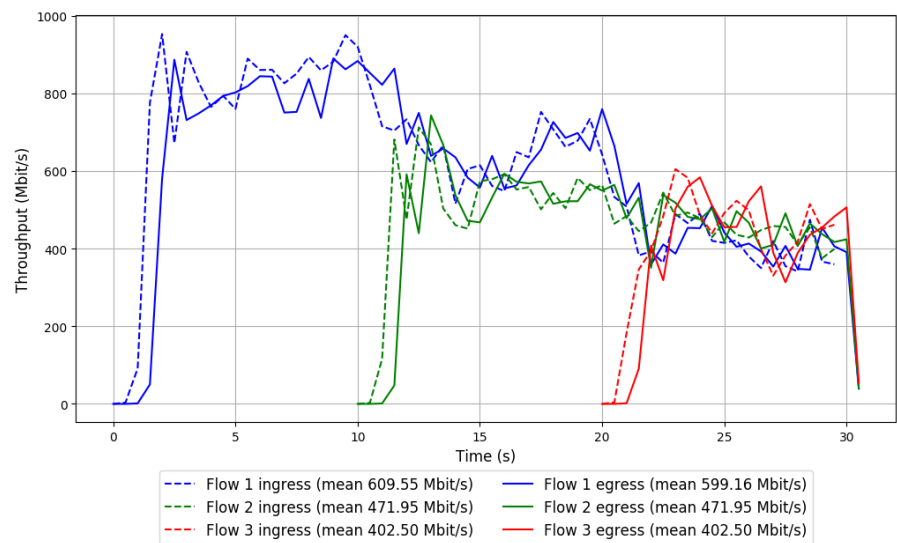


Run 5: Statistics of FillP

Start at: 2018-05-22 04:05:43
End at: 2018-05-22 04:06:13
Local clock offset: -0.122 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-05-22 06:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1046.52 Mbit/s
95th percentile per-packet one-way delay: 194.925 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 599.16 Mbit/s
95th percentile per-packet one-way delay: 202.861 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 471.95 Mbit/s
95th percentile per-packet one-way delay: 119.282 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 402.50 Mbit/s
95th percentile per-packet one-way delay: 114.307 ms
Loss rate: 0.01%

Run 5: Report of FillP — Data Link

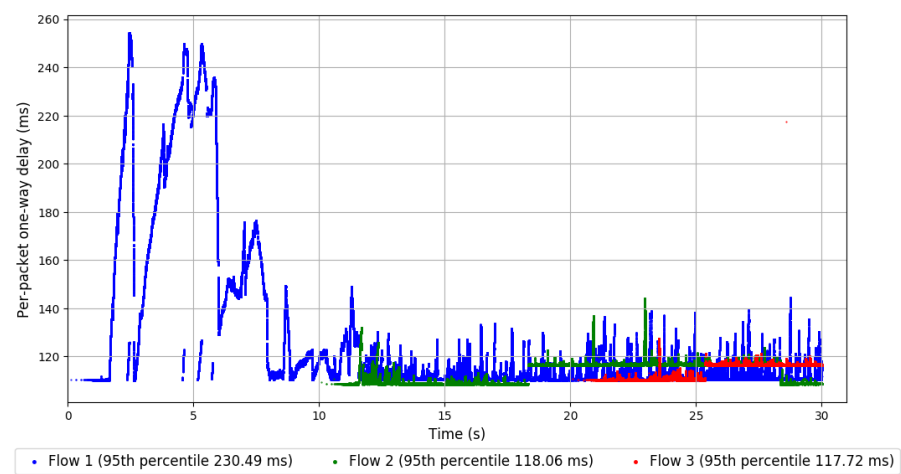
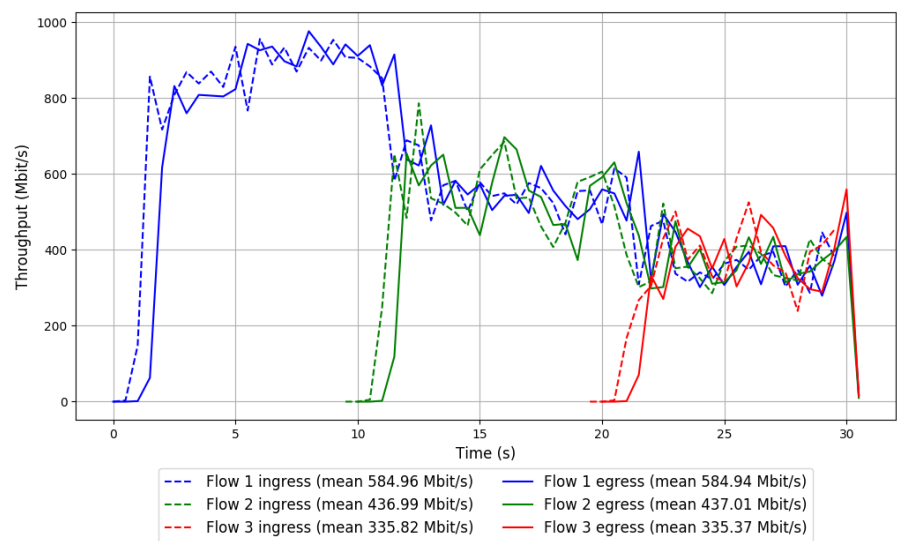


Run 6: Statistics of FillP

Start at: 2018-05-22 04:29:07
End at: 2018-05-22 04:29:37
Local clock offset: 0.265 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-22 06:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 987.37 Mbit/s
95th percentile per-packet one-way delay: 220.981 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 584.94 Mbit/s
95th percentile per-packet one-way delay: 230.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 437.01 Mbit/s
95th percentile per-packet one-way delay: 118.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 335.37 Mbit/s
95th percentile per-packet one-way delay: 117.725 ms
Loss rate: 0.15%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-22 04:52:24

End at: 2018-05-22 04:52:54

Local clock offset: -0.145 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-05-22 06:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 989.43 Mbit/s

95th percentile per-packet one-way delay: 186.026 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 571.59 Mbit/s

95th percentile per-packet one-way delay: 200.226 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 442.28 Mbit/s

95th percentile per-packet one-way delay: 131.061 ms

Loss rate: 0.00%

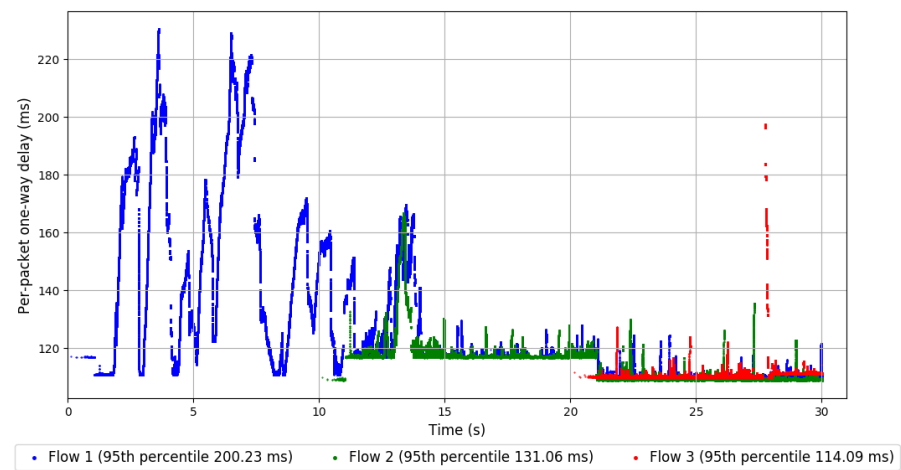
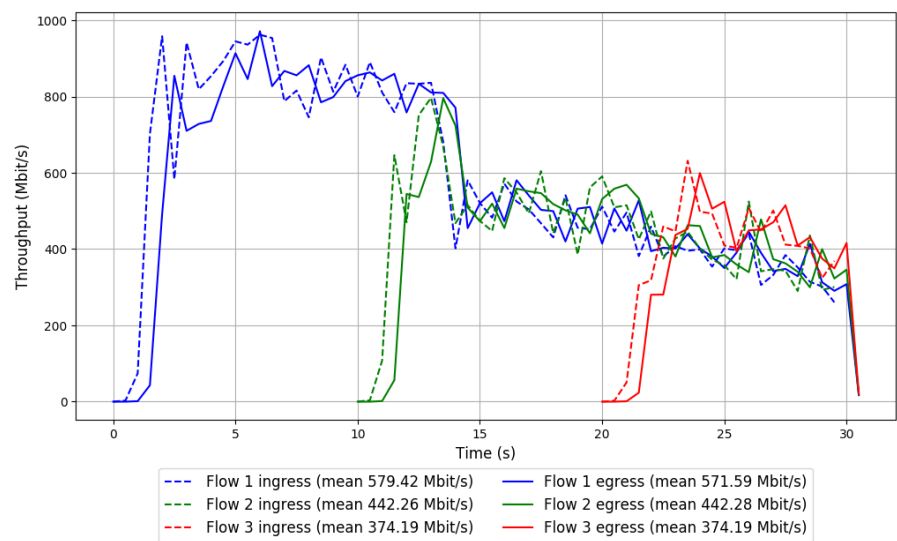
-- Flow 3:

Average throughput: 374.19 Mbit/s

95th percentile per-packet one-way delay: 114.094 ms

Loss rate: 0.00%

Run 7: Report of FillP — Data Link

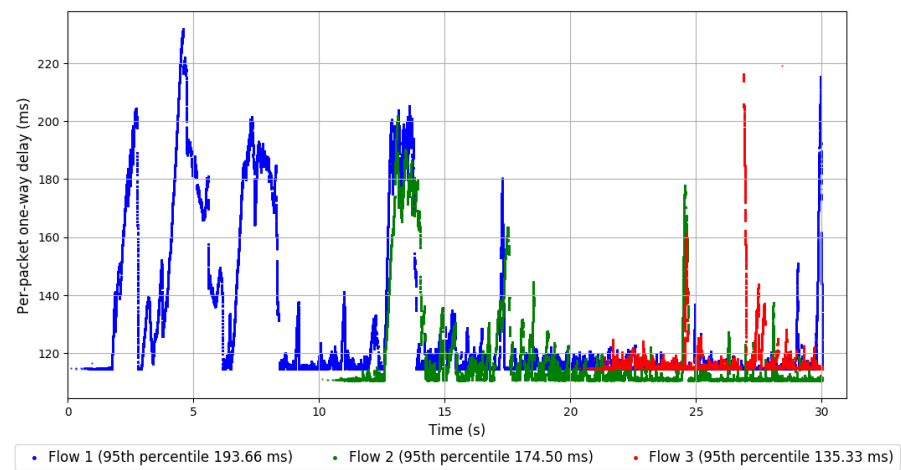
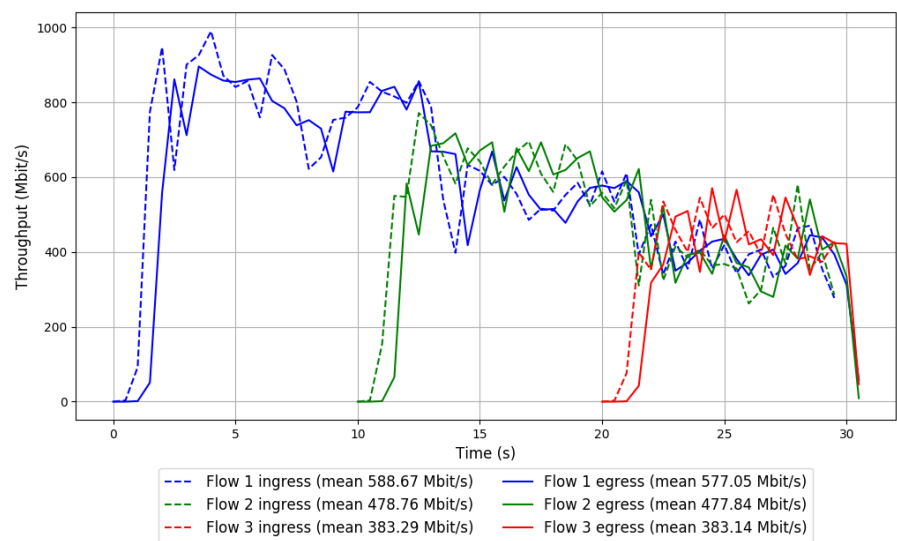


Run 8: Statistics of FillP

Start at: 2018-05-22 05:15:29
End at: 2018-05-22 05:15:59
Local clock offset: 0.191 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-05-22 06:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1021.57 Mbit/s
95th percentile per-packet one-way delay: 188.450 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 577.05 Mbit/s
95th percentile per-packet one-way delay: 193.661 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 477.84 Mbit/s
95th percentile per-packet one-way delay: 174.499 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 383.14 Mbit/s
95th percentile per-packet one-way delay: 135.332 ms
Loss rate: 0.04%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-22 05:39:05

End at: 2018-05-22 05:39:35

Local clock offset: -0.271 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 1007.61 Mbit/s

95th percentile per-packet one-way delay: 172.647 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 583.87 Mbit/s

95th percentile per-packet one-way delay: 181.132 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 465.02 Mbit/s

95th percentile per-packet one-way delay: 134.452 ms

Loss rate: 0.00%

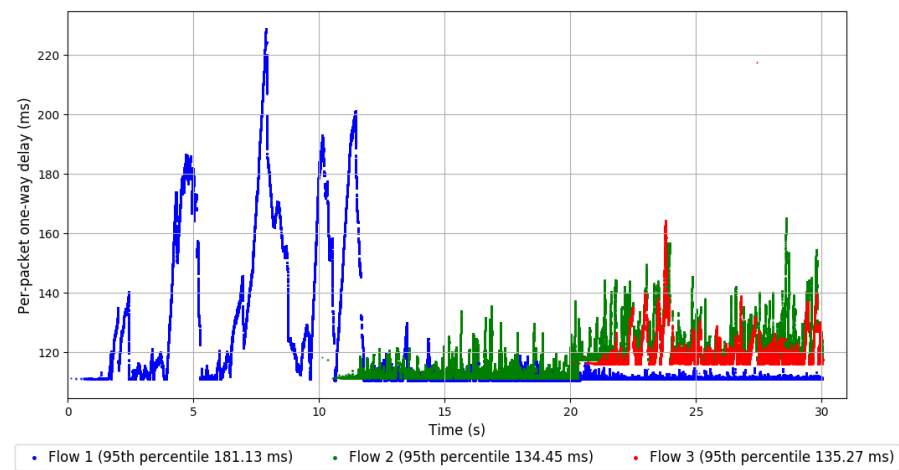
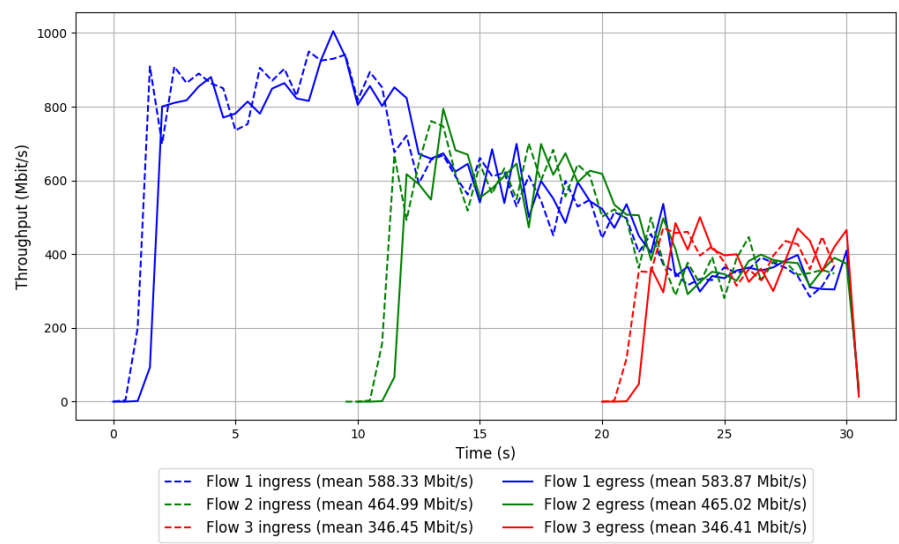
-- Flow 3:

Average throughput: 346.41 Mbit/s

95th percentile per-packet one-way delay: 135.271 ms

Loss rate: 0.00%

Run 9: Report of FillP — Data Link

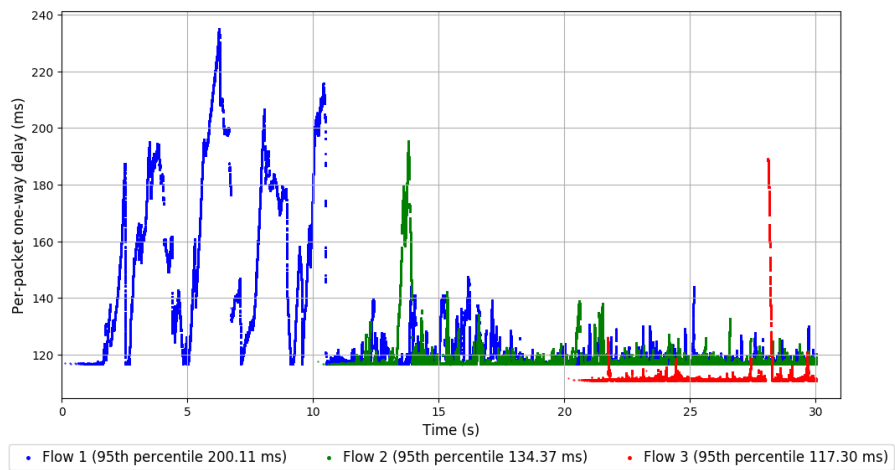
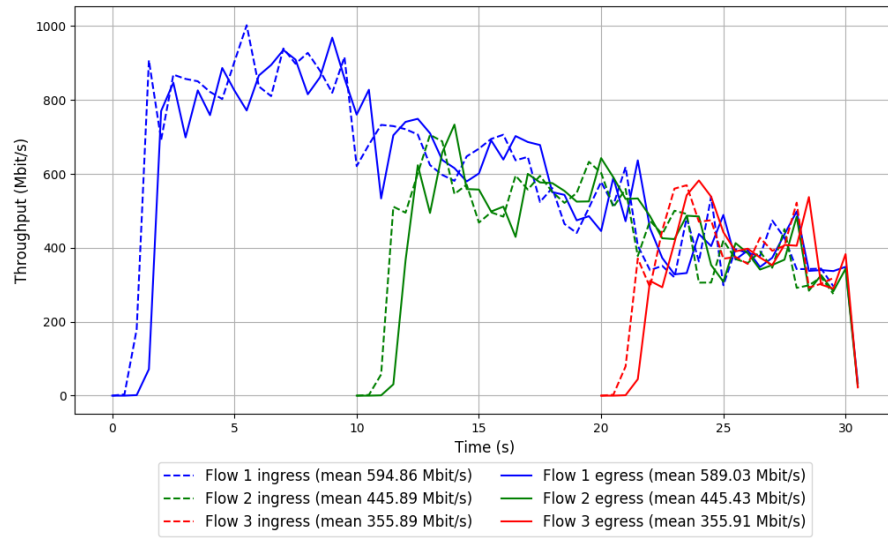


Run 10: Statistics of FillP

Start at: 2018-05-22 06:02:12
End at: 2018-05-22 06:02:42
Local clock offset: -0.456 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1002.14 Mbit/s
95th percentile per-packet one-way delay: 191.130 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 589.03 Mbit/s
95th percentile per-packet one-way delay: 200.110 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 445.43 Mbit/s
95th percentile per-packet one-way delay: 134.366 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 355.91 Mbit/s
95th percentile per-packet one-way delay: 117.304 ms
Loss rate: 0.00%

Run 10: Report of FillP — Data Link

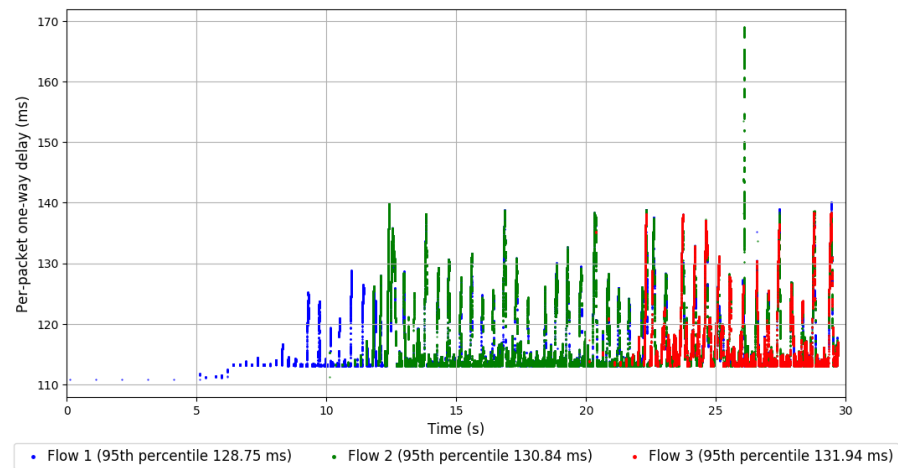
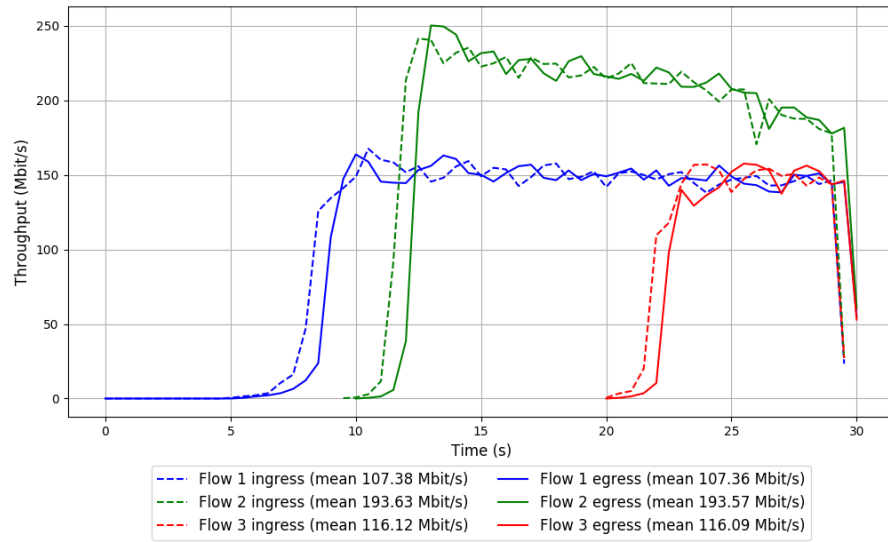


Run 1: Statistics of Indigo

Start at: 2018-05-22 02:36:48
End at: 2018-05-22 02:37:18
Local clock offset: -0.249 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.05 Mbit/s
95th percentile per-packet one-way delay: 130.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.36 Mbit/s
95th percentile per-packet one-way delay: 128.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 193.57 Mbit/s
95th percentile per-packet one-way delay: 130.840 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.09 Mbit/s
95th percentile per-packet one-way delay: 131.943 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

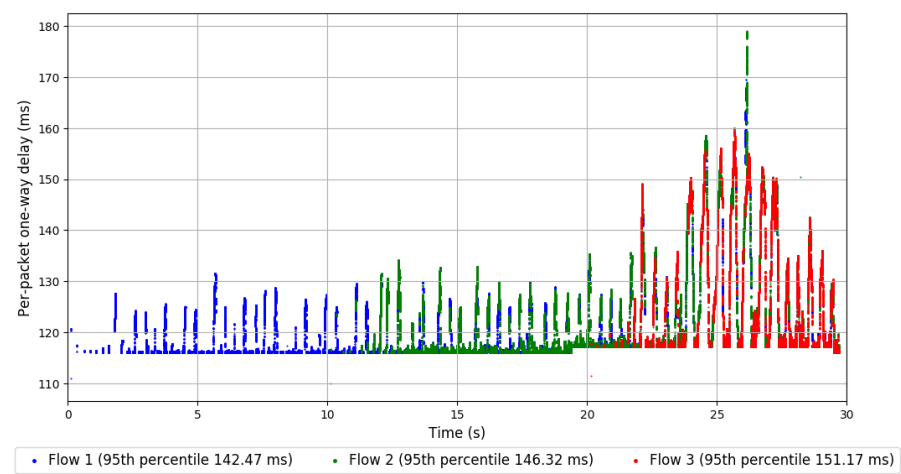
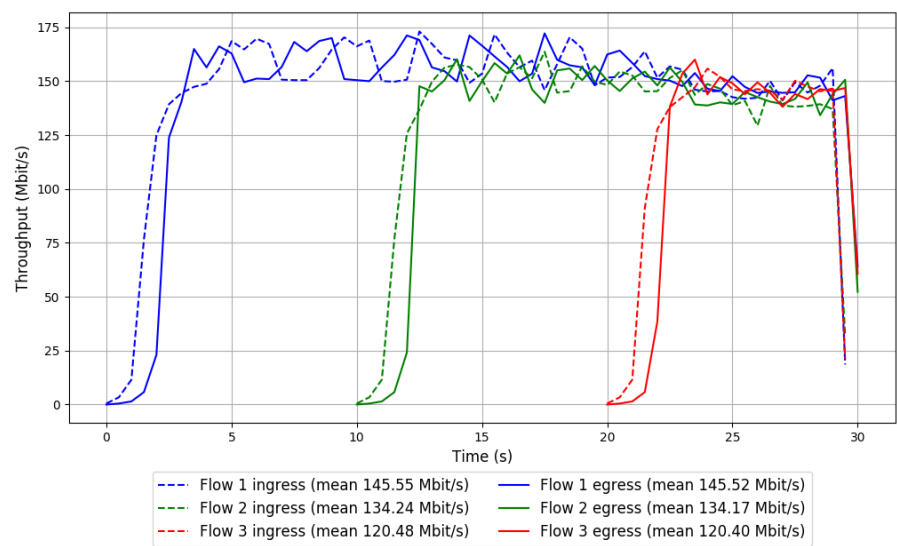


Run 2: Statistics of Indigo

Start at: 2018-05-22 02:59:45
End at: 2018-05-22 03:00:15
Local clock offset: -0.112 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.25 Mbit/s
95th percentile per-packet one-way delay: 146.706 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 145.52 Mbit/s
95th percentile per-packet one-way delay: 142.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.17 Mbit/s
95th percentile per-packet one-way delay: 146.319 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 120.40 Mbit/s
95th percentile per-packet one-way delay: 151.166 ms
Loss rate: 0.08%

Run 2: Report of Indigo — Data Link

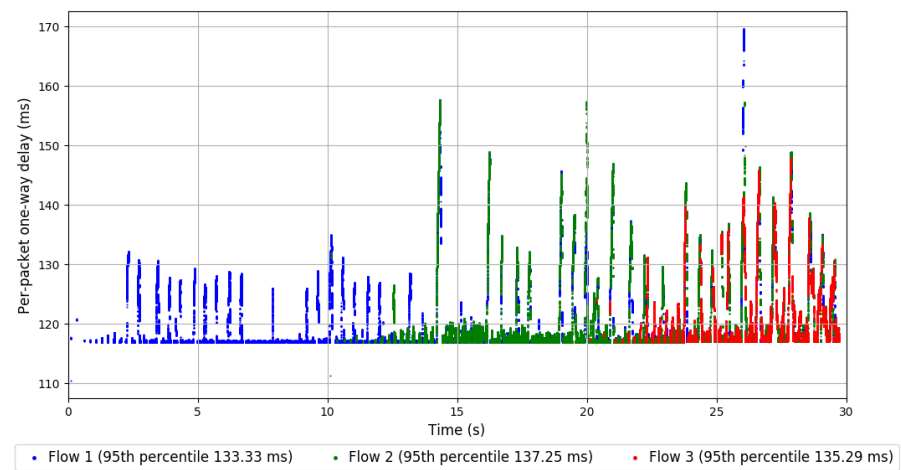
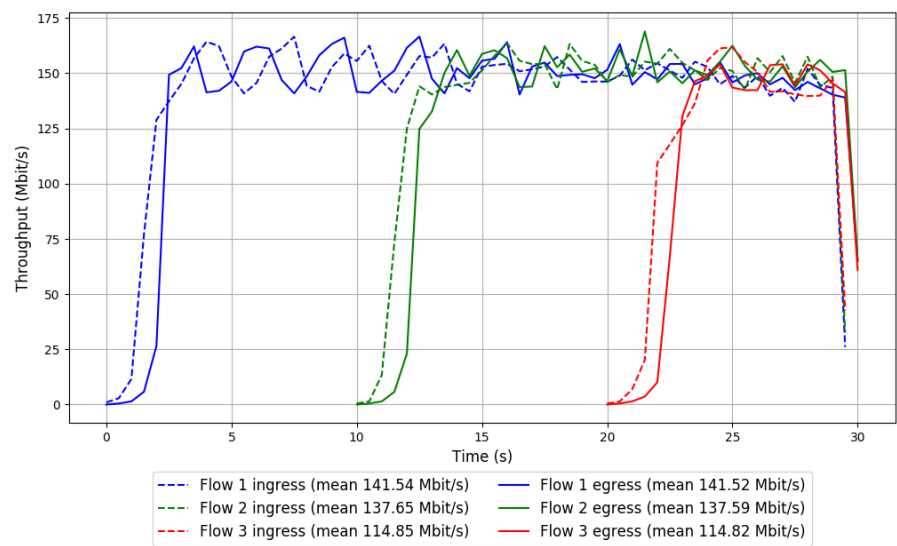


Run 3: Statistics of Indigo

Start at: 2018-05-22 03:23:01
End at: 2018-05-22 03:23:31
Local clock offset: 0.232 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 269.66 Mbit/s
95th percentile per-packet one-way delay: 135.157 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 141.52 Mbit/s
95th percentile per-packet one-way delay: 133.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 137.59 Mbit/s
95th percentile per-packet one-way delay: 137.254 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 114.82 Mbit/s
95th percentile per-packet one-way delay: 135.286 ms
Loss rate: 0.02%

Run 3: Report of Indigo — Data Link

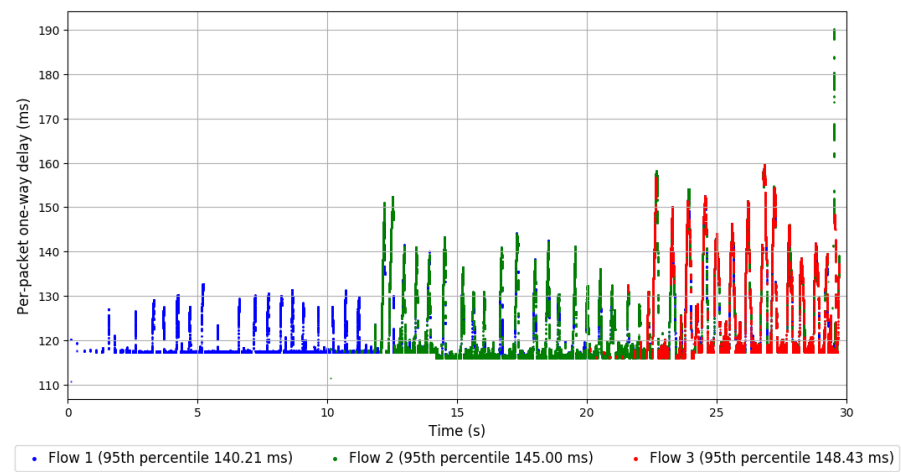
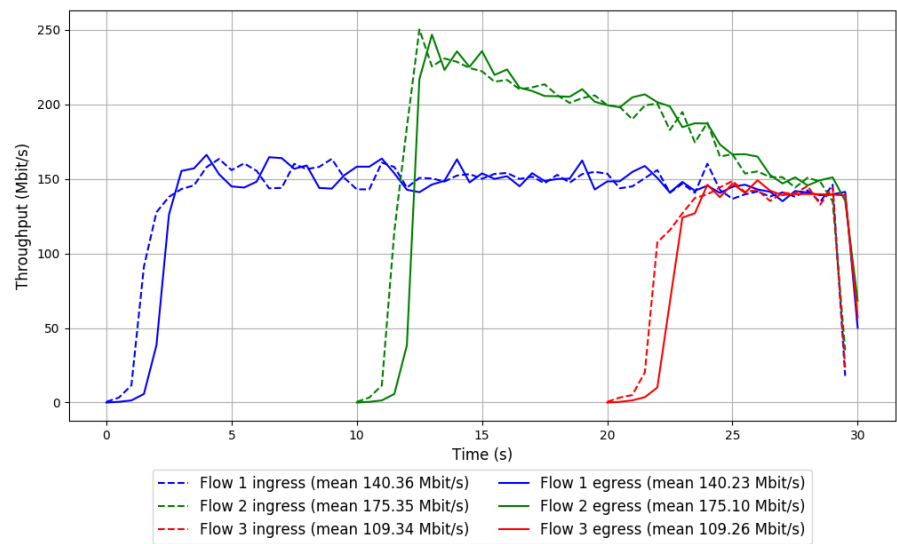


Run 4: Statistics of Indigo

Start at: 2018-05-22 03:46:01
End at: 2018-05-22 03:46:31
Local clock offset: -0.029 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.47 Mbit/s
95th percentile per-packet one-way delay: 143.598 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 140.23 Mbit/s
95th percentile per-packet one-way delay: 140.205 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 175.10 Mbit/s
95th percentile per-packet one-way delay: 145.003 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 109.26 Mbit/s
95th percentile per-packet one-way delay: 148.425 ms
Loss rate: 0.17%

Run 4: Report of Indigo — Data Link

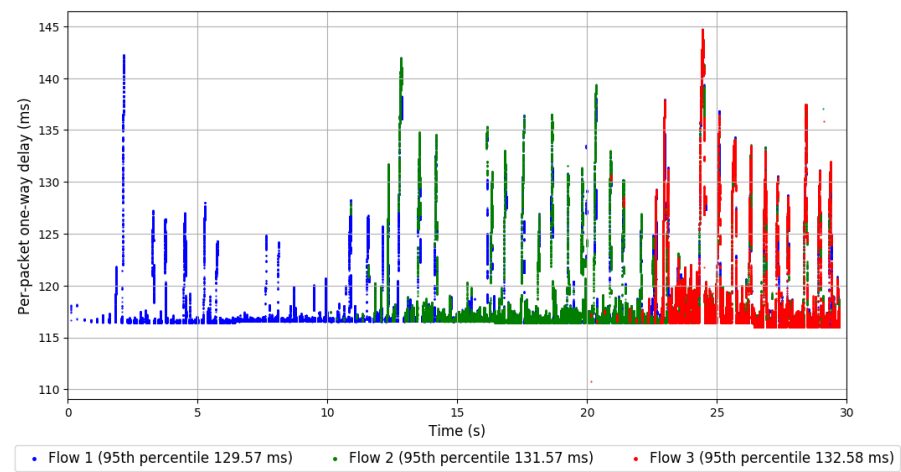
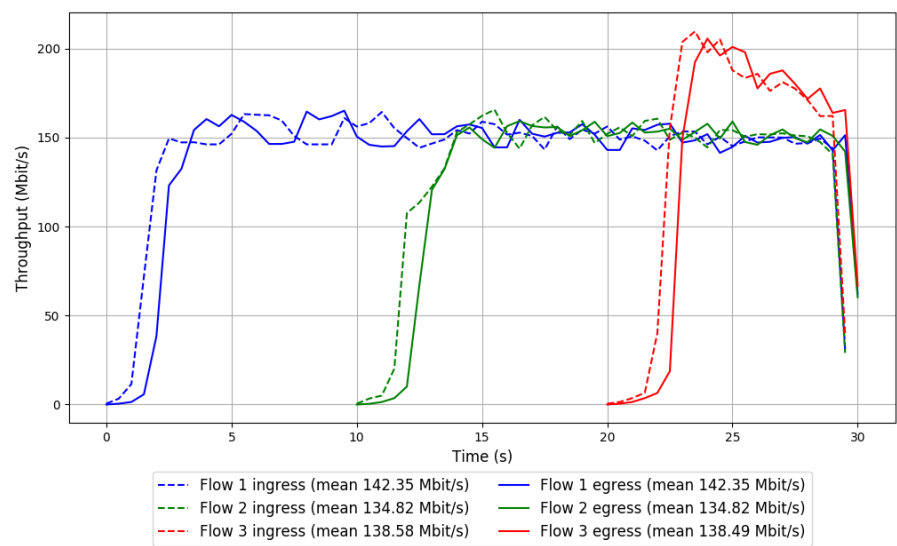


Run 5: Statistics of Indigo

Start at: 2018-05-22 04:09:18
End at: 2018-05-22 04:09:48
Local clock offset: -0.097 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.31 Mbit/s
95th percentile per-packet one-way delay: 130.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.35 Mbit/s
95th percentile per-packet one-way delay: 129.572 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.82 Mbit/s
95th percentile per-packet one-way delay: 131.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 138.49 Mbit/s
95th percentile per-packet one-way delay: 132.576 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

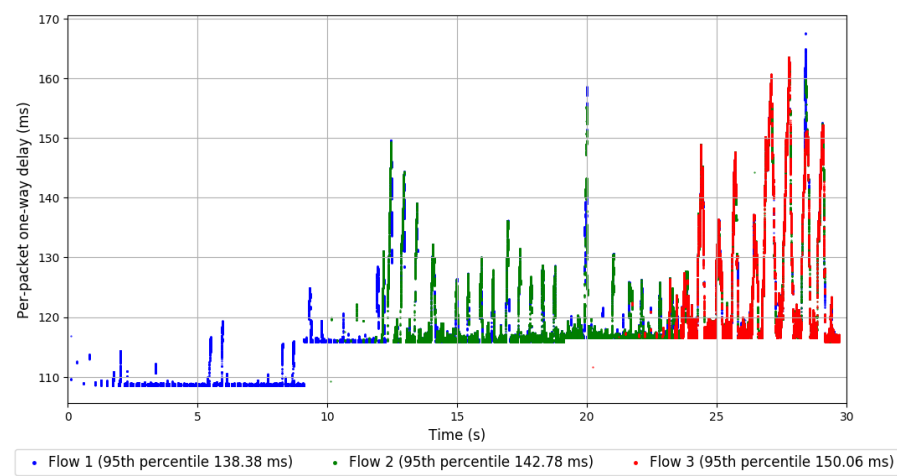
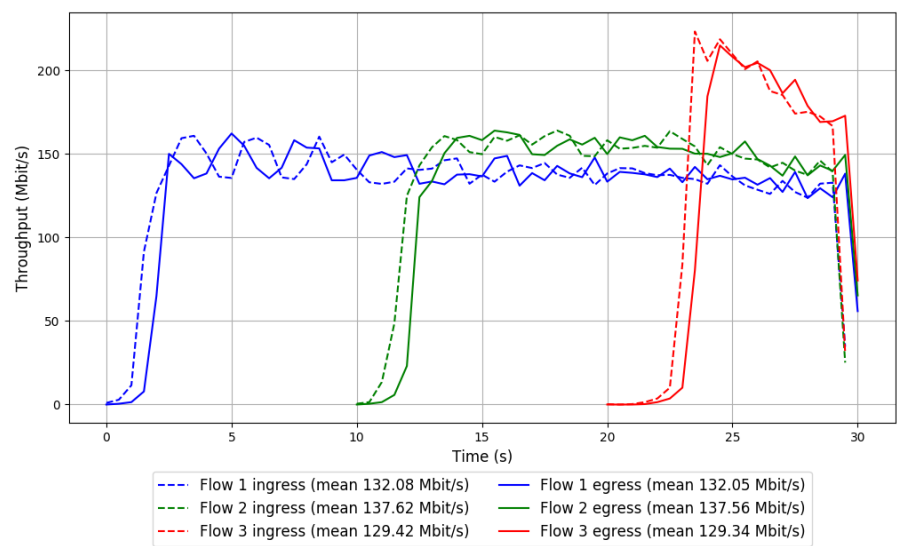


Run 6: Statistics of Indigo

Start at: 2018-05-22 04:32:36
End at: 2018-05-22 04:33:06
Local clock offset: 0.031 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.49 Mbit/s
95th percentile per-packet one-way delay: 144.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.05 Mbit/s
95th percentile per-packet one-way delay: 138.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 137.56 Mbit/s
95th percentile per-packet one-way delay: 142.783 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.34 Mbit/s
95th percentile per-packet one-way delay: 150.061 ms
Loss rate: 0.01%

Run 6: Report of Indigo — Data Link

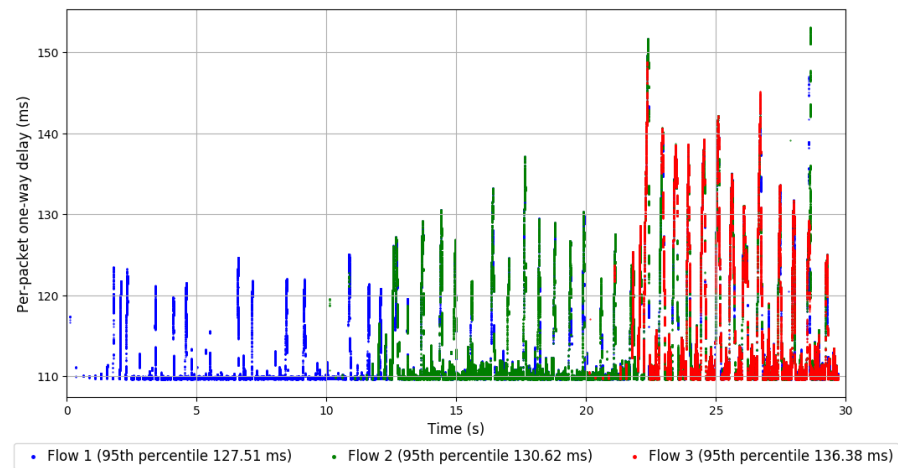
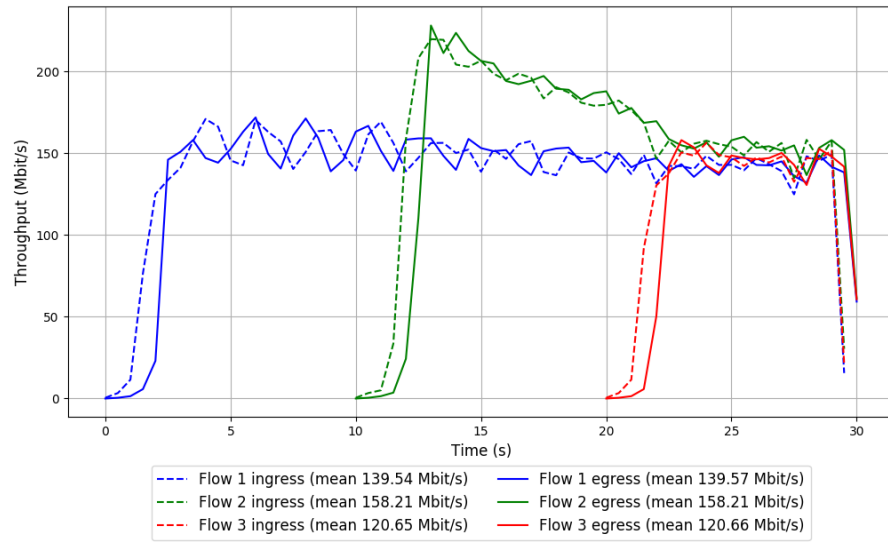


Run 7: Statistics of Indigo

Start at: 2018-05-22 04:55:53
End at: 2018-05-22 04:56:23
Local clock offset: 0.059 ms
Remote clock offset: -0.371 ms

```
# Below is generated by plot.py at 2018-05-22 07:10:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.31 Mbit/s
95th percentile per-packet one-way delay: 130.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.57 Mbit/s
95th percentile per-packet one-way delay: 127.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.21 Mbit/s
95th percentile per-packet one-way delay: 130.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.66 Mbit/s
95th percentile per-packet one-way delay: 136.381 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 05:19:02

End at: 2018-05-22 05:19:32

Local clock offset: -0.059 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 334.59 Mbit/s

95th percentile per-packet one-way delay: 123.879 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 204.56 Mbit/s

95th percentile per-packet one-way delay: 121.961 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 141.62 Mbit/s

95th percentile per-packet one-way delay: 124.964 ms

Loss rate: 0.00%

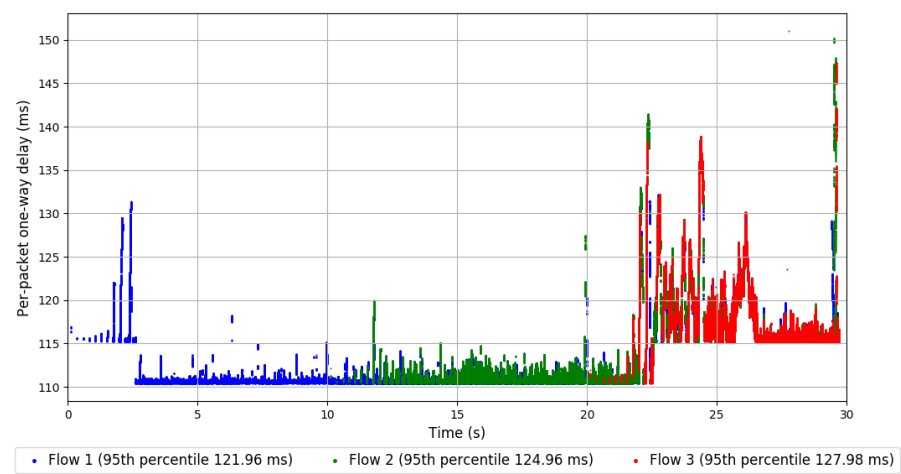
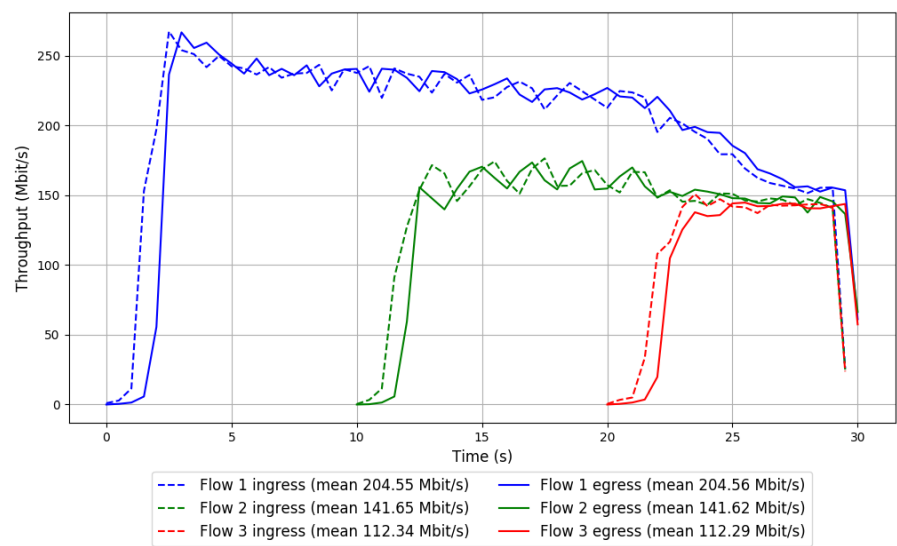
-- Flow 3:

Average throughput: 112.29 Mbit/s

95th percentile per-packet one-way delay: 127.982 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

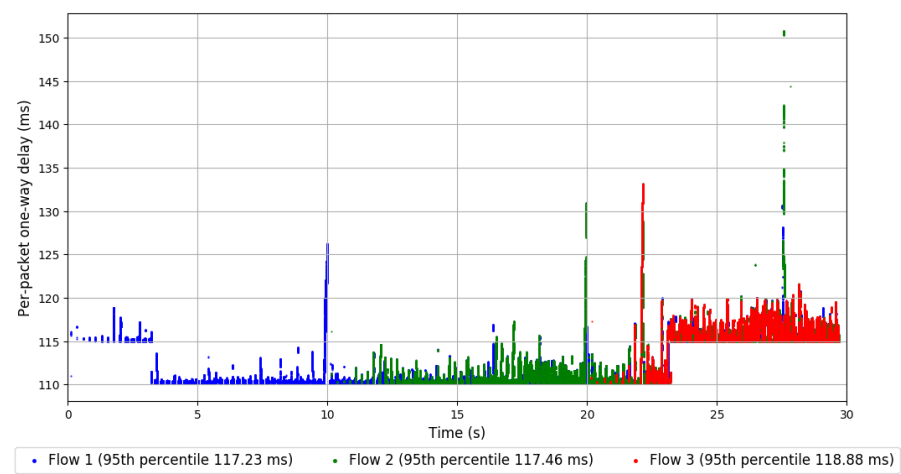
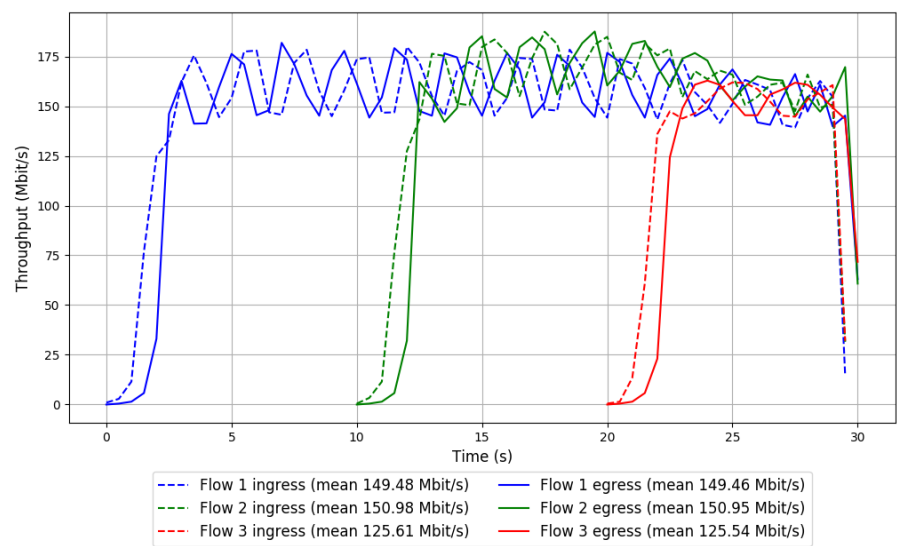


Run 9: Statistics of Indigo

Start at: 2018-05-22 05:42:42
End at: 2018-05-22 05:43:12
Local clock offset: -0.145 ms
Remote clock offset: -0.024 ms

```
# Below is generated by plot.py at 2018-05-22 07:10:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.23 Mbit/s
95th percentile per-packet one-way delay: 117.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.46 Mbit/s
95th percentile per-packet one-way delay: 117.231 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.95 Mbit/s
95th percentile per-packet one-way delay: 117.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.54 Mbit/s
95th percentile per-packet one-way delay: 118.876 ms
Loss rate: 0.00%
```


Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 06:05:48

End at: 2018-05-22 06:06:18

Local clock offset: -0.307 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.57 Mbit/s

95th percentile per-packet one-way delay: 117.201 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 200.76 Mbit/s

95th percentile per-packet one-way delay: 116.905 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 138.64 Mbit/s

95th percentile per-packet one-way delay: 117.416 ms

Loss rate: 0.00%

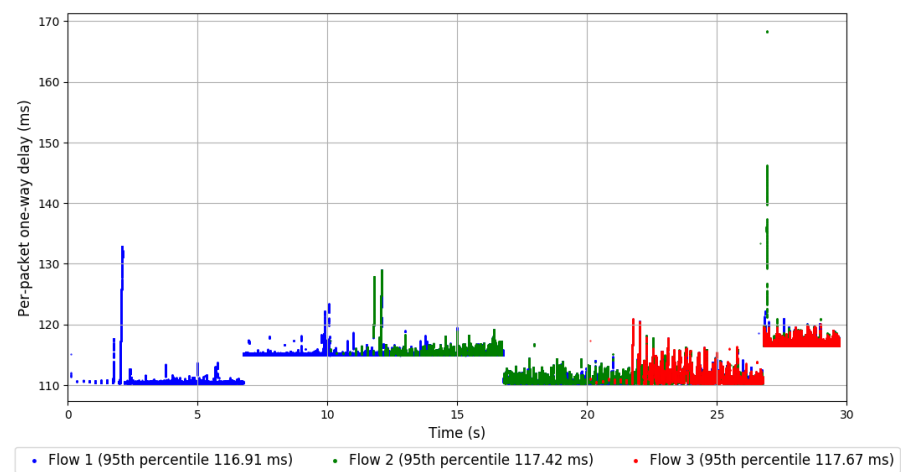
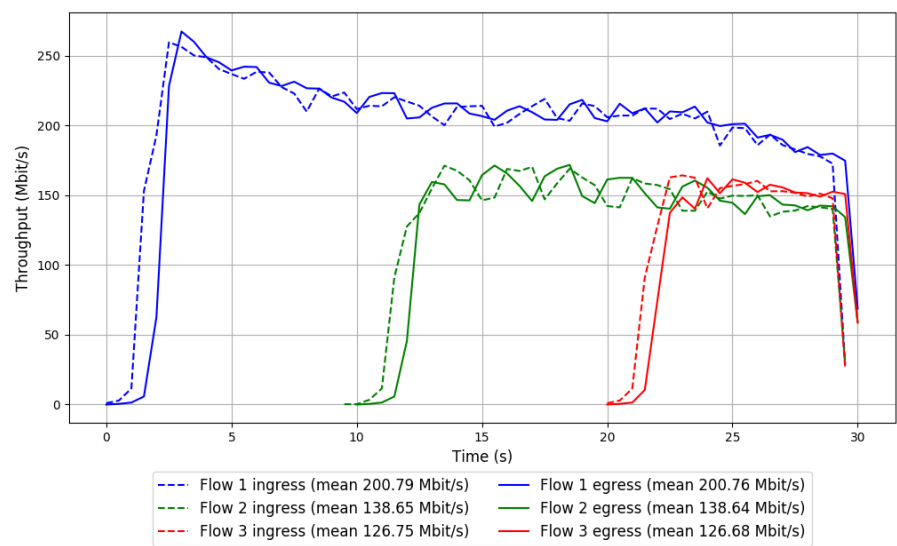
-- Flow 3:

Average throughput: 126.68 Mbit/s

95th percentile per-packet one-way delay: 117.667 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

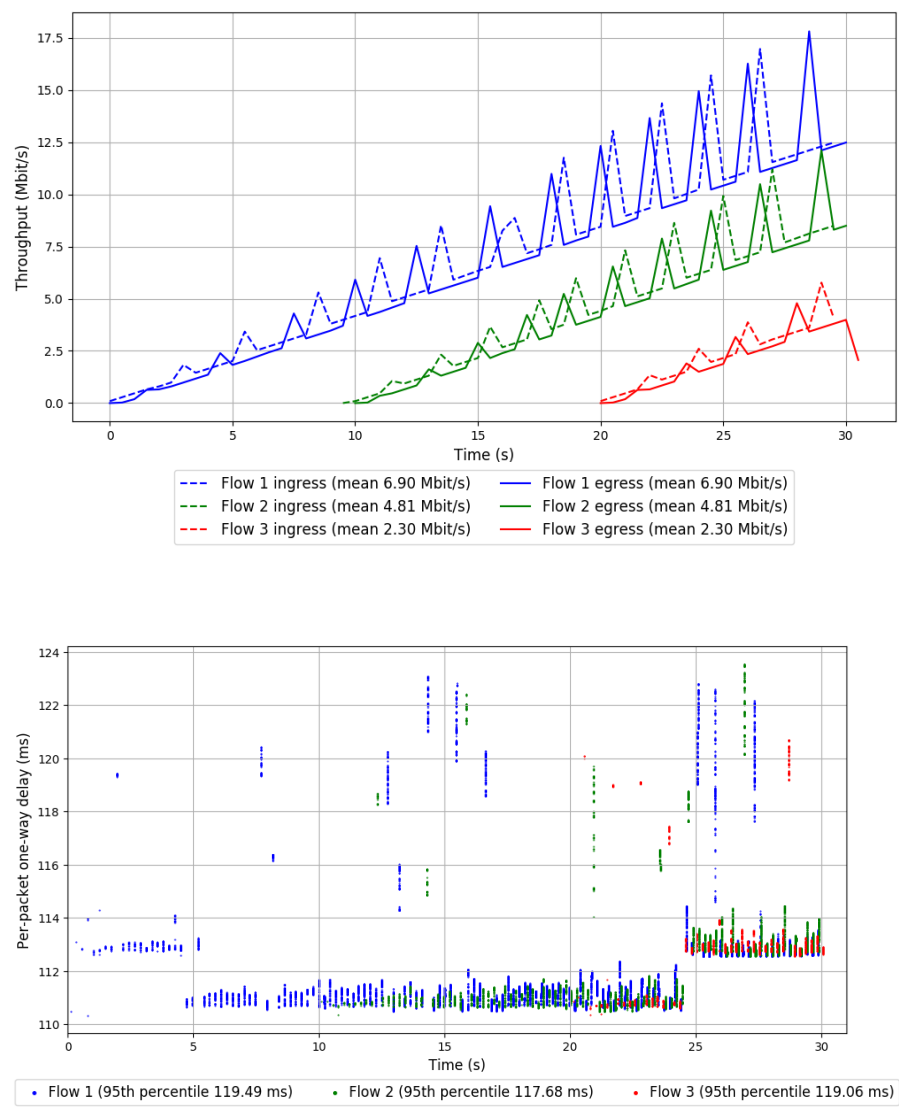


Run 1: Statistics of LEDBAT

Start at: 2018-05-22 02:18:01
End at: 2018-05-22 02:18:31
Local clock offset: 0.225 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 119.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 119.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 117.679 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 119.061 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

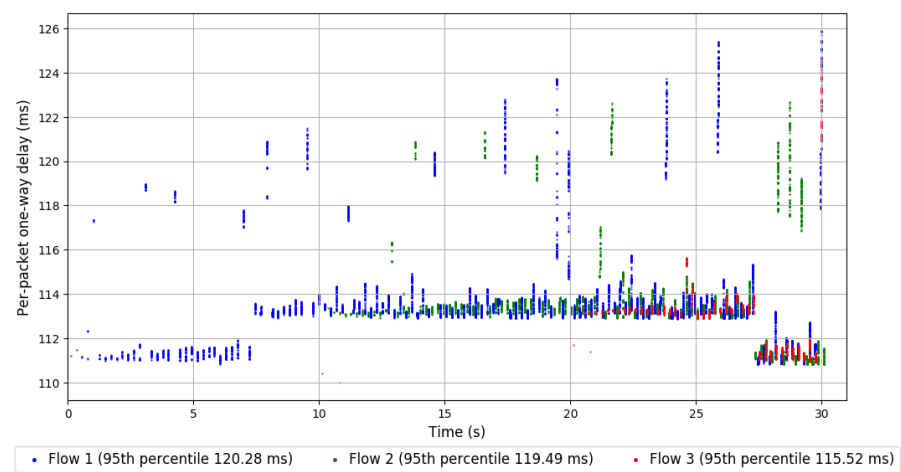
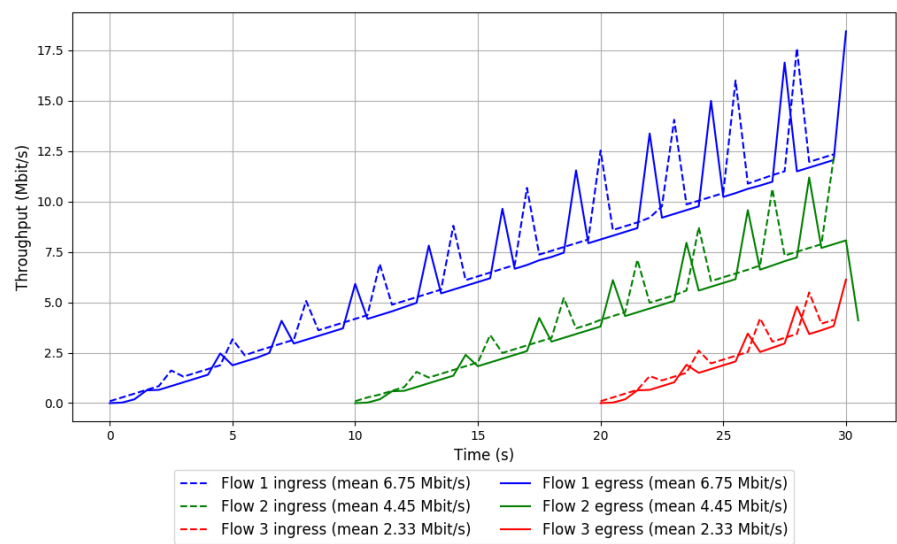


Run 2: Statistics of LEDBAT

Start at: 2018-05-22 02:41:08
End at: 2018-05-22 02:41:38
Local clock offset: -0.149 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 120.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 120.282 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 119.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 115.523 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-22 03:04:04

End at: 2018-05-22 03:04:34

Local clock offset: 0.315 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.25 Mbit/s

95th percentile per-packet one-way delay: 124.677 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.62 Mbit/s

95th percentile per-packet one-way delay: 125.465 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 122.382 ms

Loss rate: 0.00%

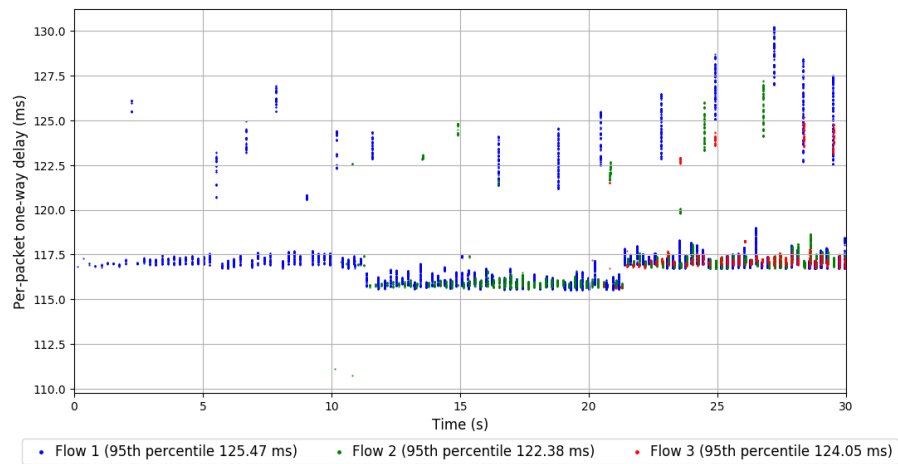
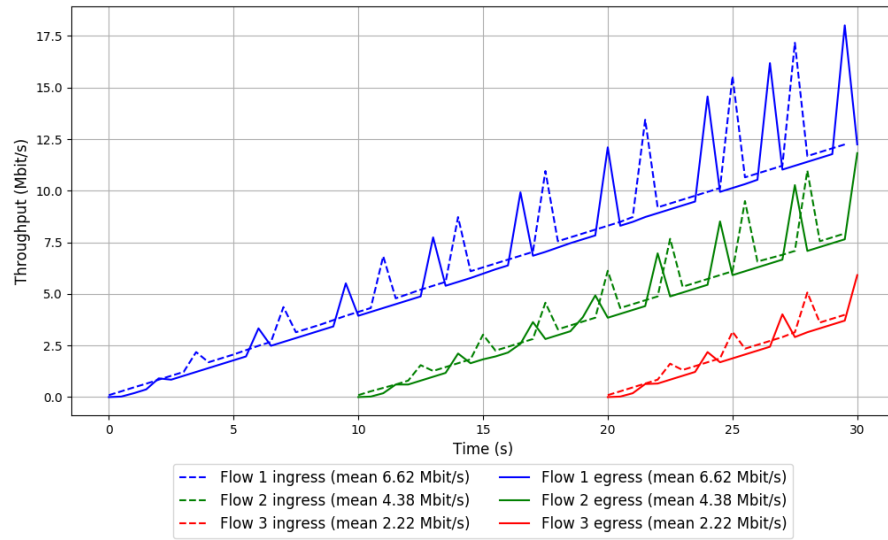
-- Flow 3:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 124.054 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

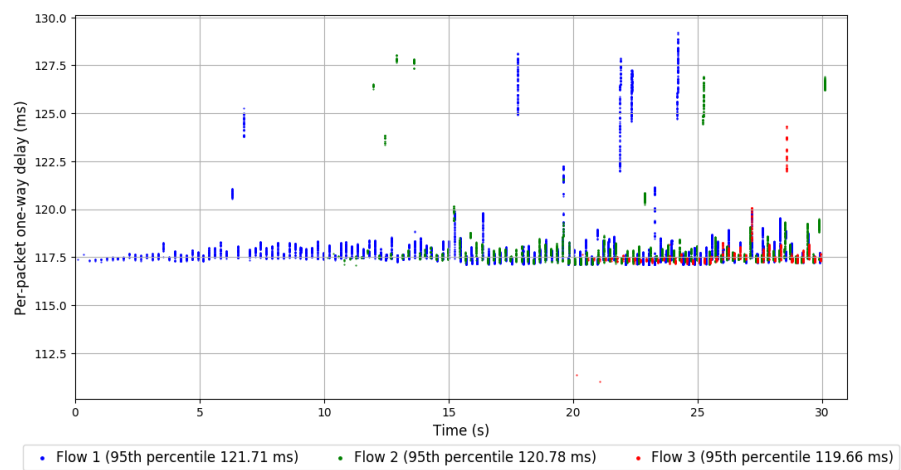
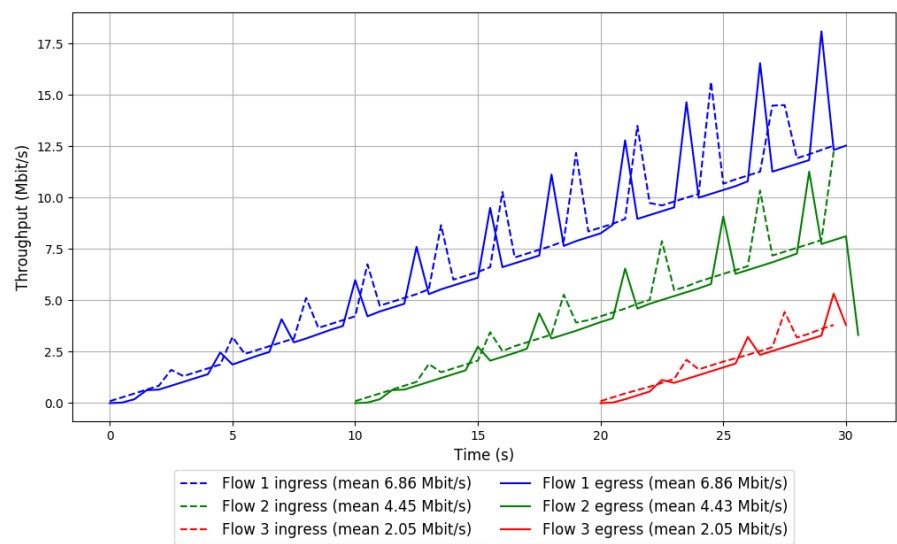


Run 4: Statistics of LEDBAT

Start at: 2018-05-22 03:27:20
End at: 2018-05-22 03:27:50
Local clock offset: -0.006 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 121.455 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 121.707 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 120.778 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 119.658 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-22 03:50:17

End at: 2018-05-22 03:50:47

Local clock offset: 0.173 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.17 Mbit/s

95th percentile per-packet one-way delay: 121.646 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 120.175 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 122.985 ms

Loss rate: 0.00%

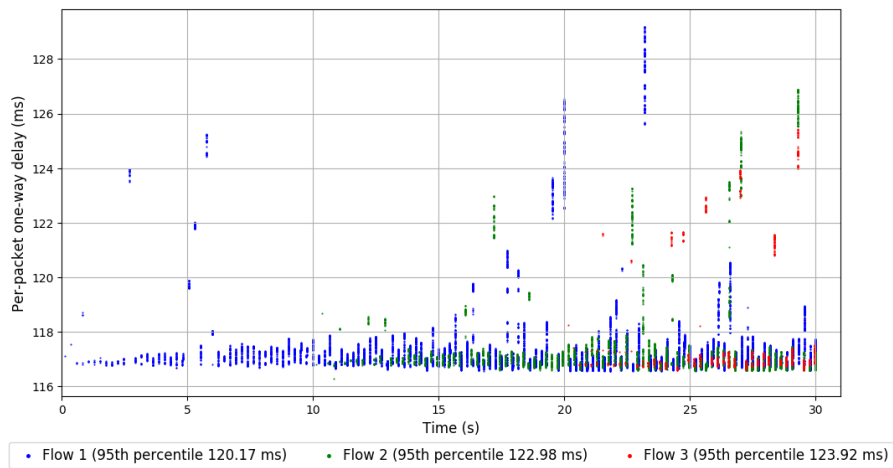
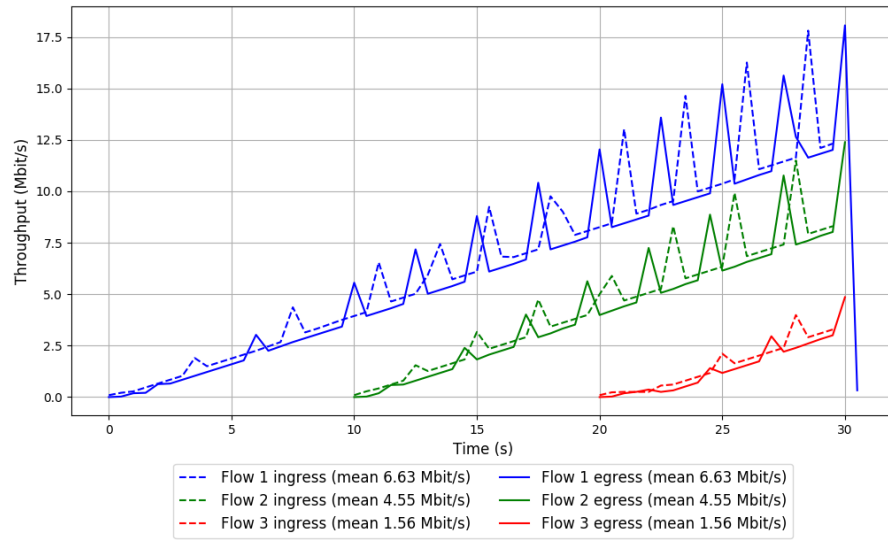
-- Flow 3:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 123.925 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-22 04:14:03

End at: 2018-05-22 04:14:33

Local clock offset: 0.031 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.77 Mbit/s

95th percentile per-packet one-way delay: 123.296 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 124.006 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 121.030 ms

Loss rate: 0.00%

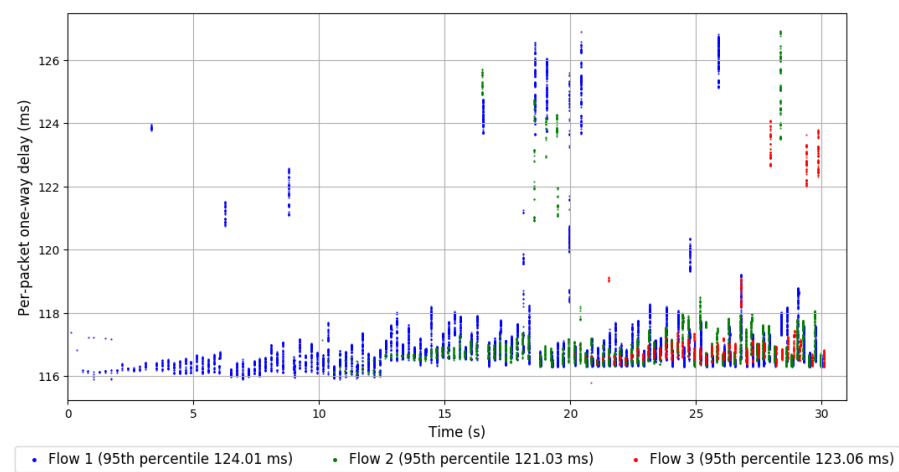
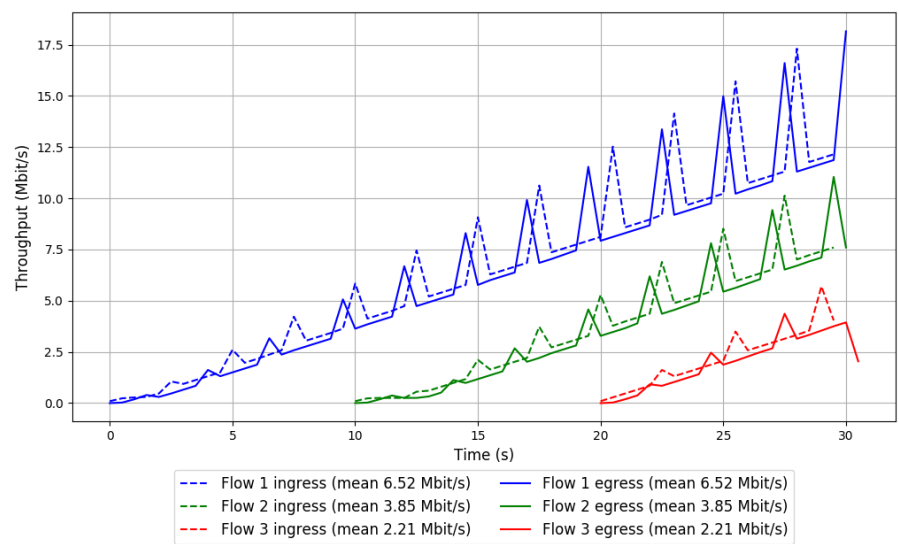
-- Flow 3:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 123.061 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

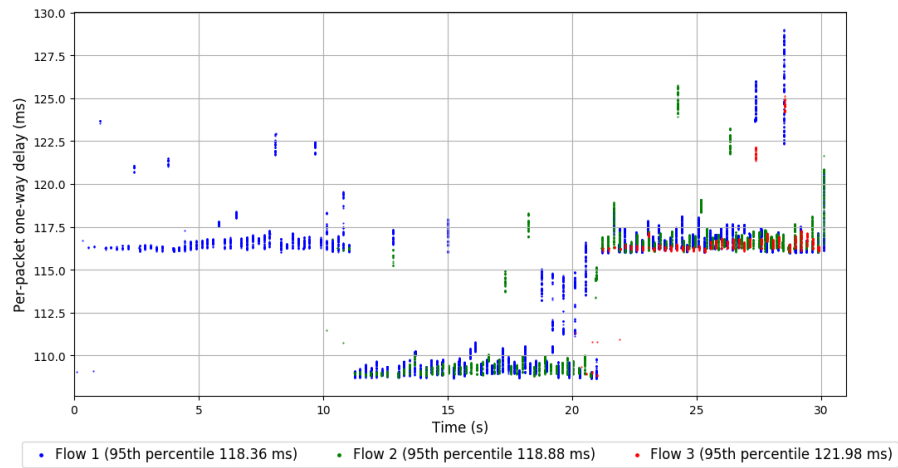
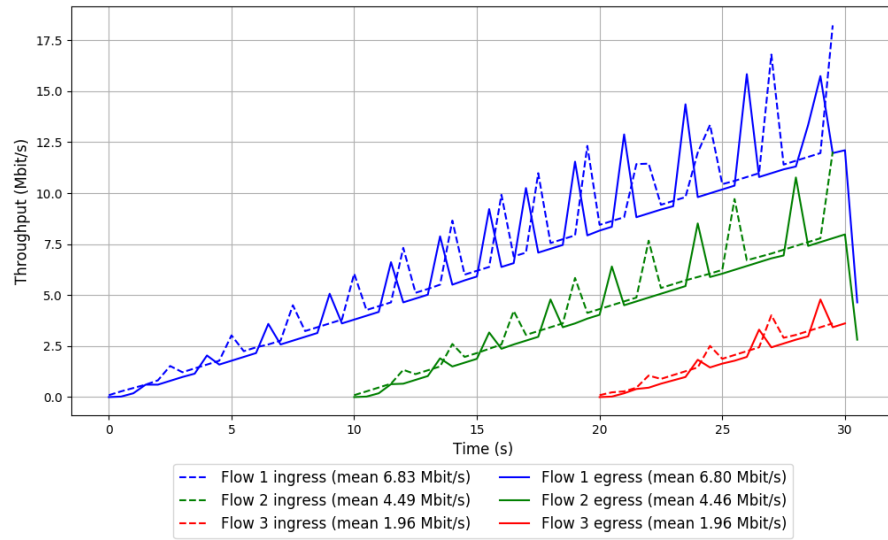


Run 7: Statistics of LEDBAT

Start at: 2018-05-22 04:36:54
End at: 2018-05-22 04:37:24
Local clock offset: -0.027 ms
Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 118.796 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 118.361 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 118.876 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 121.985 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

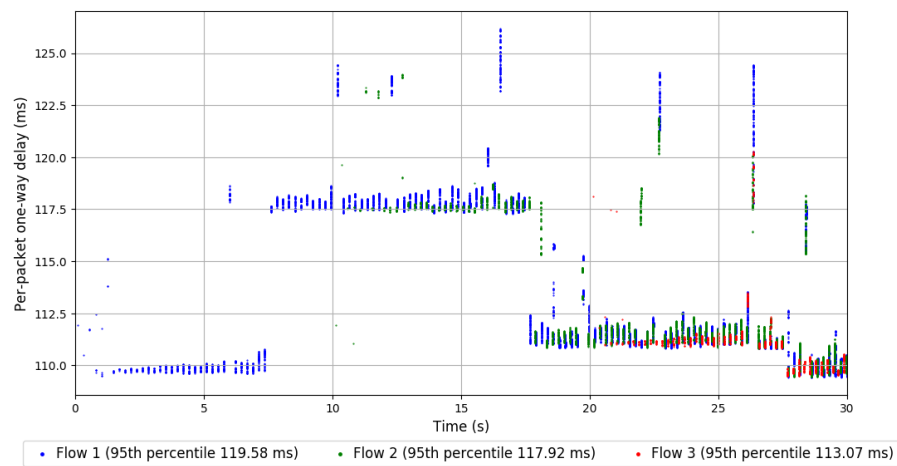
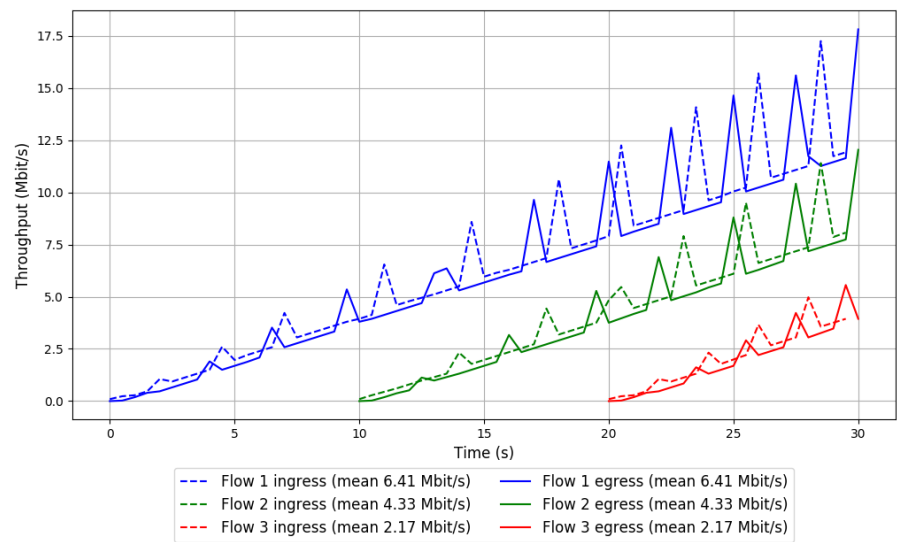


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 05:00:18
End at: 2018-05-22 05:00:48
Local clock offset: -0.246 ms
Remote clock offset: 0.451 ms

```
# Below is generated by plot.py at 2018-05-22 07:10:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.00 Mbit/s
95th percentile per-packet one-way delay: 118.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 119.580 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 117.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 113.066 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

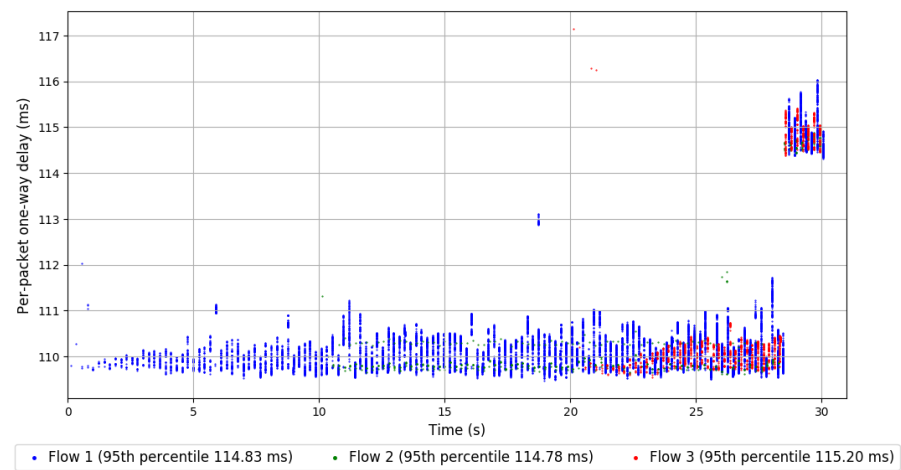
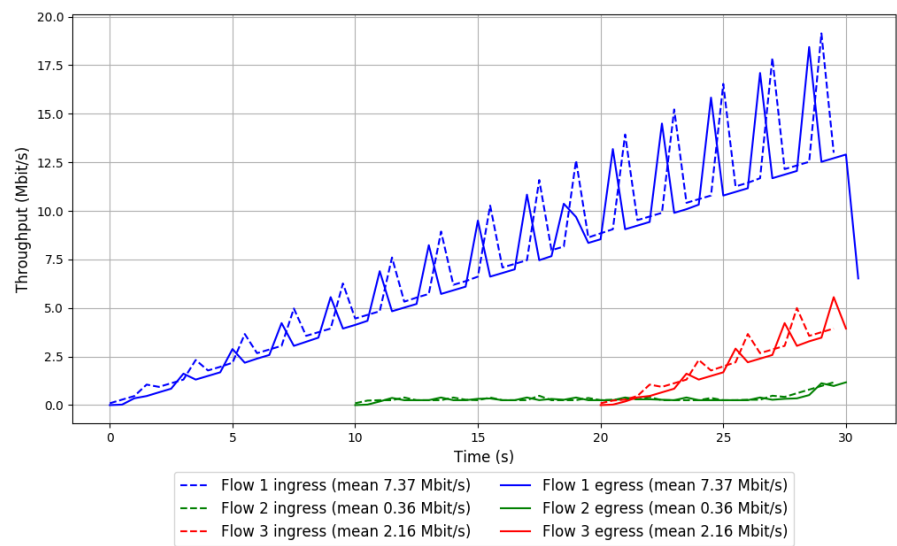


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 05:23:37
End at: 2018-05-22 05:24:07
Local clock offset: 0.49 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 114.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 114.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 114.784 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 115.196 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

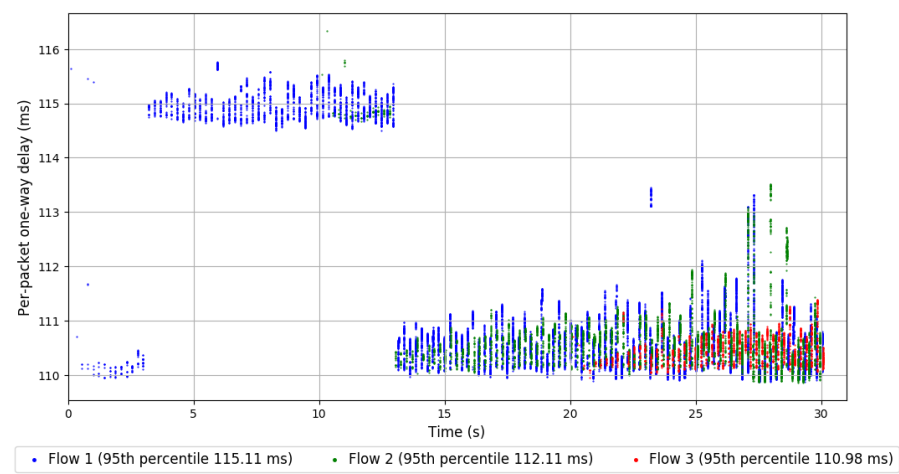
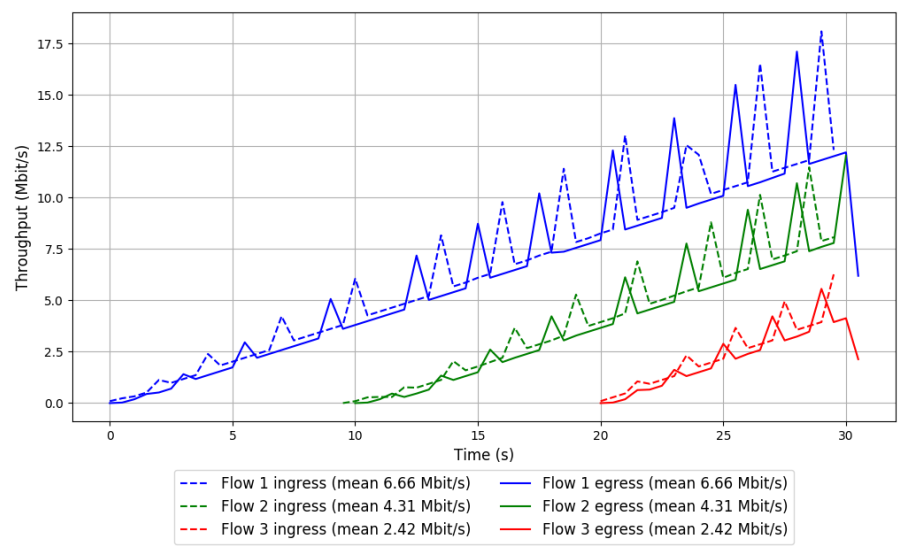


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 05:47:02
End at: 2018-05-22 05:47:32
Local clock offset: -0.129 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 114.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 115.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 112.109 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 110.979 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

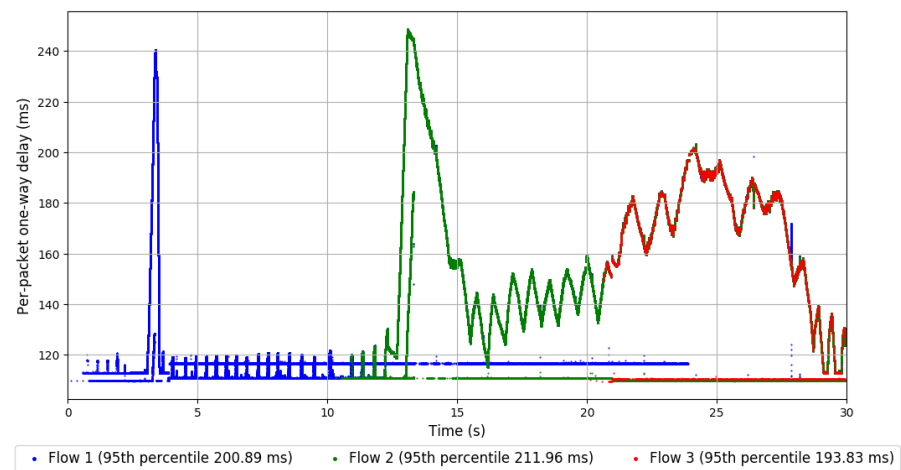
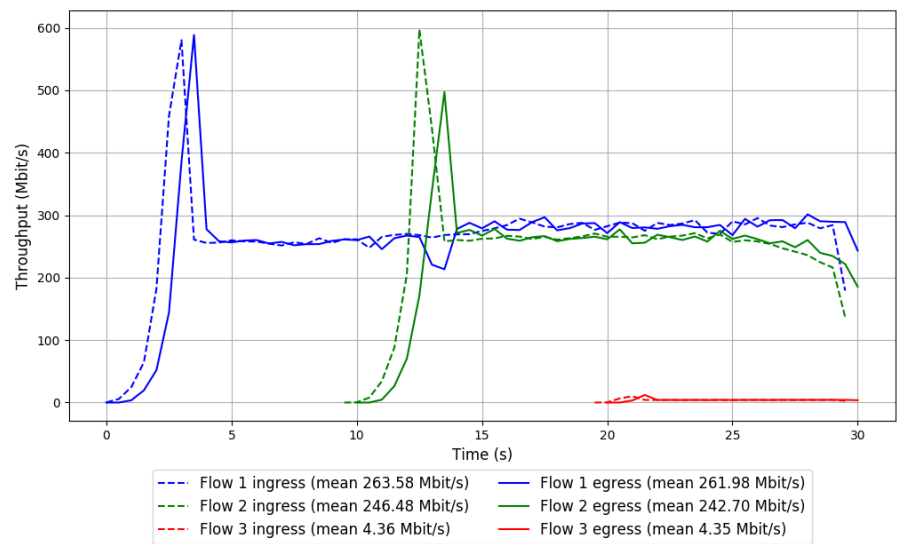


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 02:21:41
End at: 2018-05-22 02:22:11
Local clock offset: -0.052 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 424.98 Mbit/s
95th percentile per-packet one-way delay: 204.035 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 261.98 Mbit/s
95th percentile per-packet one-way delay: 200.887 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 242.70 Mbit/s
95th percentile per-packet one-way delay: 211.955 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 193.833 ms
Loss rate: 0.06%

Run 1: Report of PCC-Allegro — Data Link

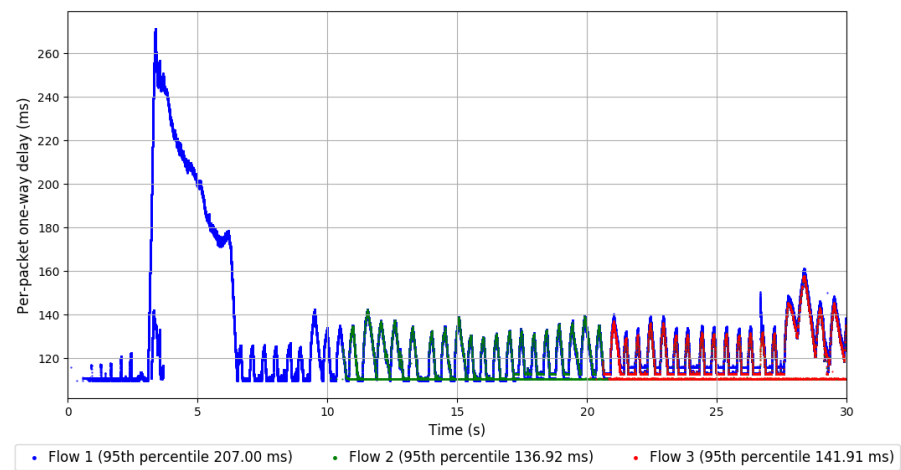
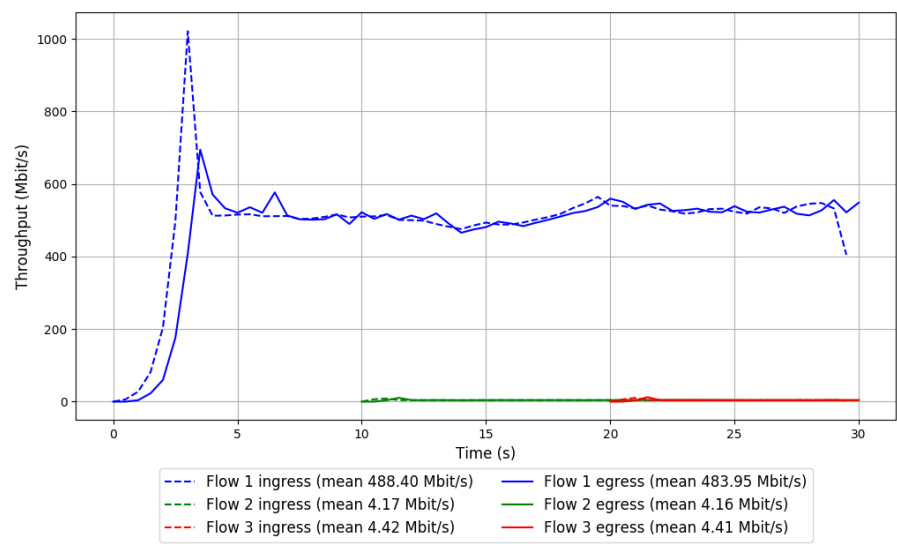


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 02:44:48
End at: 2018-05-22 02:45:18
Local clock offset: 0.297 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 488.17 Mbit/s
95th percentile per-packet one-way delay: 206.797 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 483.95 Mbit/s
95th percentile per-packet one-way delay: 207.001 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 136.921 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 141.914 ms
Loss rate: 0.19%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 03:07:44

End at: 2018-05-22 03:08:14

Local clock offset: 0.047 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.66 Mbit/s

95th percentile per-packet one-way delay: 239.416 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 482.64 Mbit/s

95th percentile per-packet one-way delay: 239.098 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 33.68 Mbit/s

95th percentile per-packet one-way delay: 241.439 ms

Loss rate: 1.14%

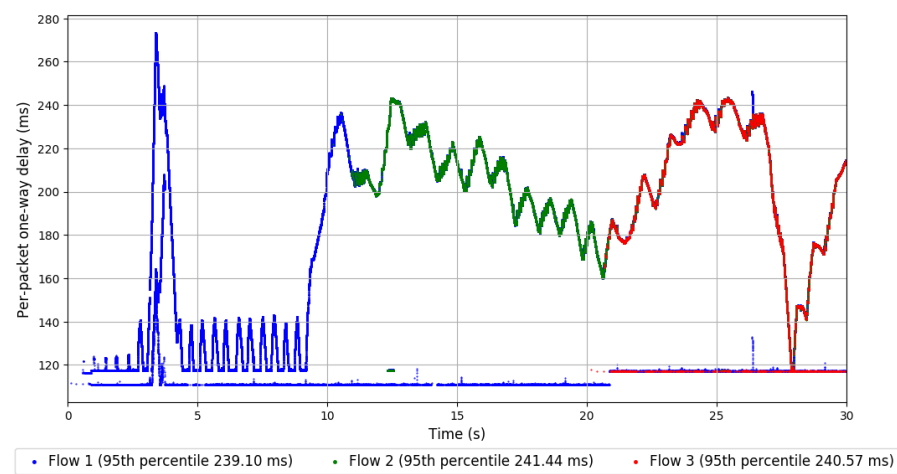
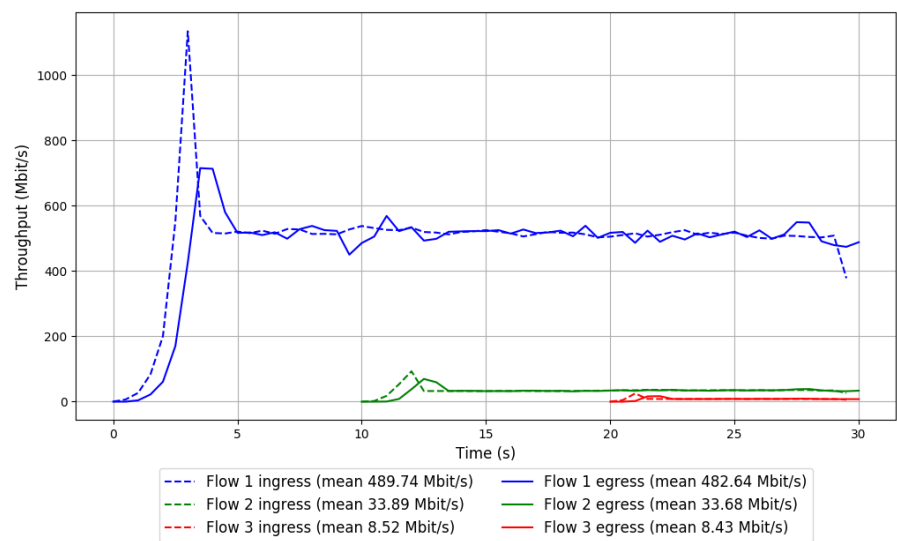
-- Flow 3:

Average throughput: 8.43 Mbit/s

95th percentile per-packet one-way delay: 240.570 ms

Loss rate: 1.02%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 03:31:01

End at: 2018-05-22 03:31:31

Local clock offset: 0.026 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 446.51 Mbit/s

95th percentile per-packet one-way delay: 252.866 ms

Loss rate: 5.01%

-- Flow 1:

Average throughput: 365.49 Mbit/s

95th percentile per-packet one-way delay: 252.937 ms

Loss rate: 5.00%

-- Flow 2:

Average throughput: 120.74 Mbit/s

95th percentile per-packet one-way delay: 252.572 ms

Loss rate: 5.04%

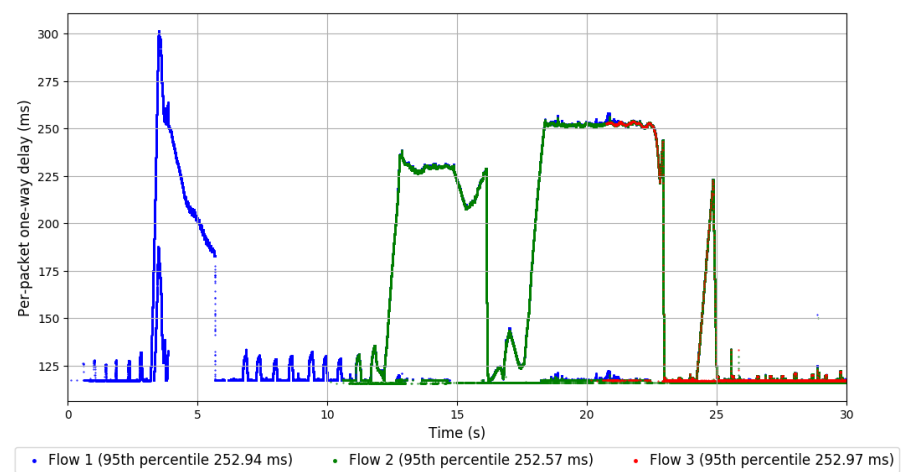
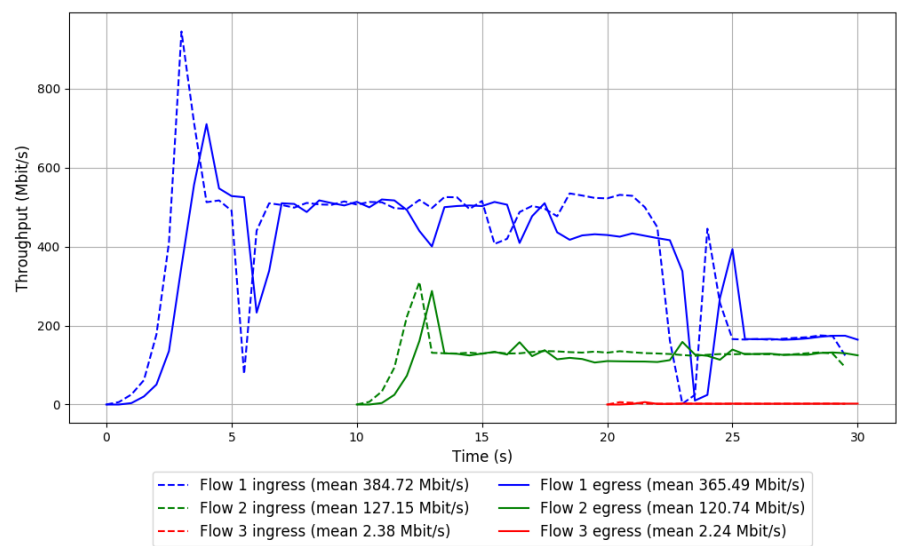
-- Flow 3:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 252.965 ms

Loss rate: 5.85%

Run 4: Report of PCC-Allegro — Data Link

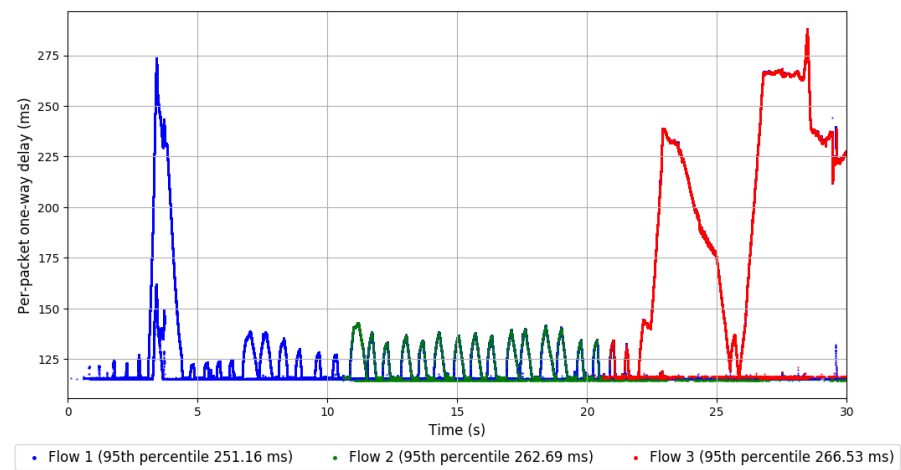
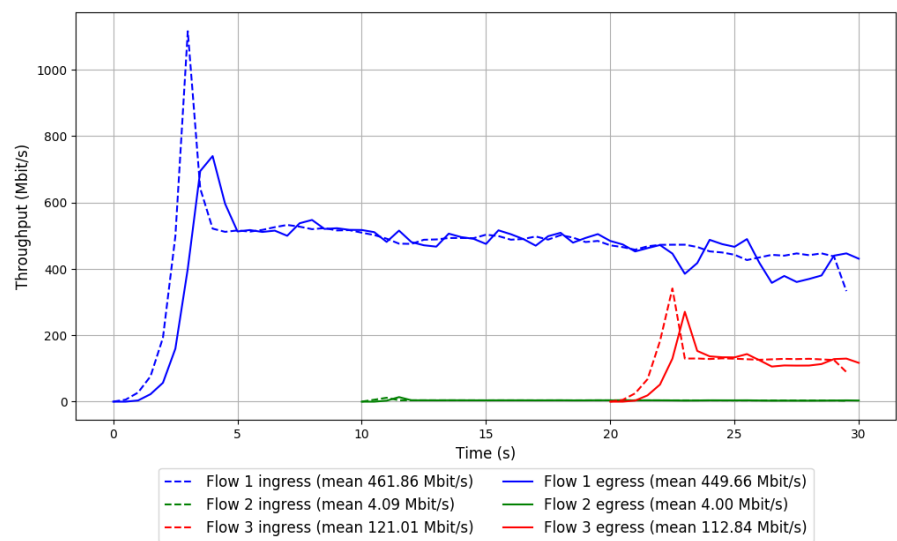


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 03:53:58
End at: 2018-05-22 03:54:28
Local clock offset: 0.28 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-05-22 07:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.47 Mbit/s
95th percentile per-packet one-way delay: 263.851 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 449.66 Mbit/s
95th percentile per-packet one-way delay: 251.165 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 262.691 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 112.84 Mbit/s
95th percentile per-packet one-way delay: 266.529 ms
Loss rate: 6.76%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 04:17:43

End at: 2018-05-22 04:18:13

Local clock offset: -0.018 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-05-22 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 471.58 Mbit/s

95th percentile per-packet one-way delay: 255.185 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 455.41 Mbit/s

95th percentile per-packet one-way delay: 255.132 ms

Loss rate: 1.81%

-- Flow 2:

Average throughput: 8.21 Mbit/s

95th percentile per-packet one-way delay: 255.282 ms

Loss rate: 0.92%

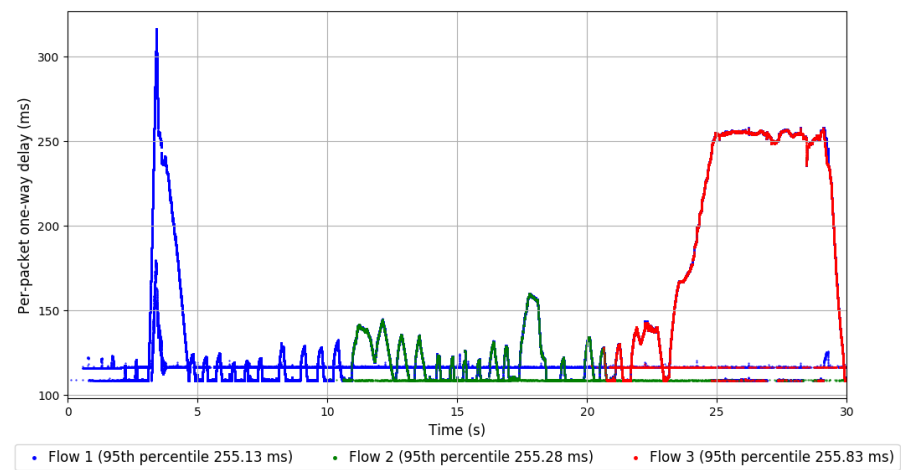
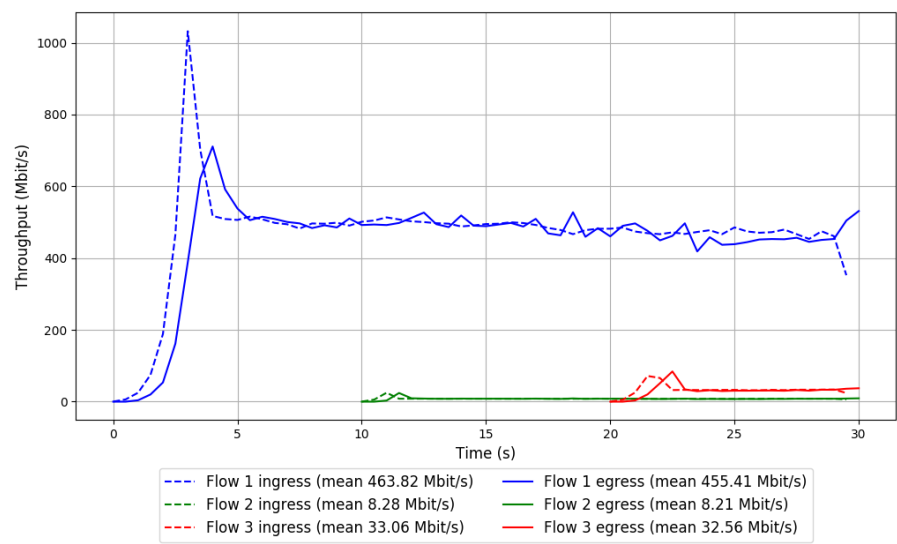
-- Flow 3:

Average throughput: 32.56 Mbit/s

95th percentile per-packet one-way delay: 255.827 ms

Loss rate: 1.60%

Run 6: Report of PCC-Allegro — Data Link

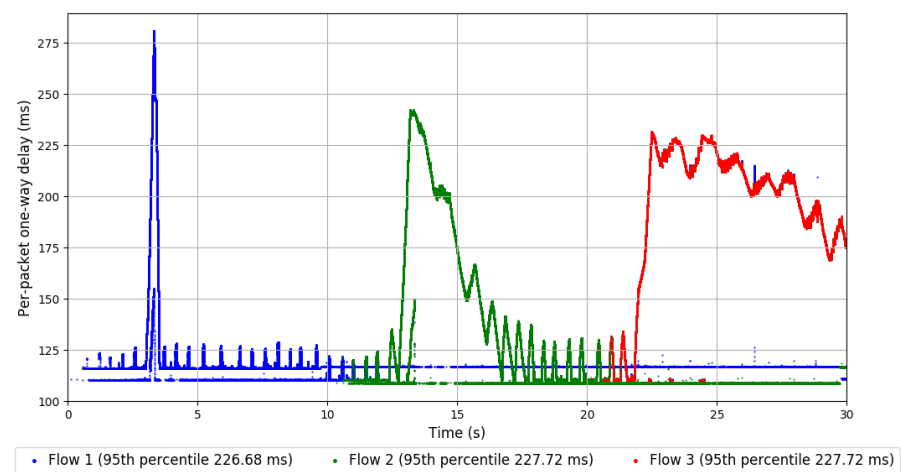
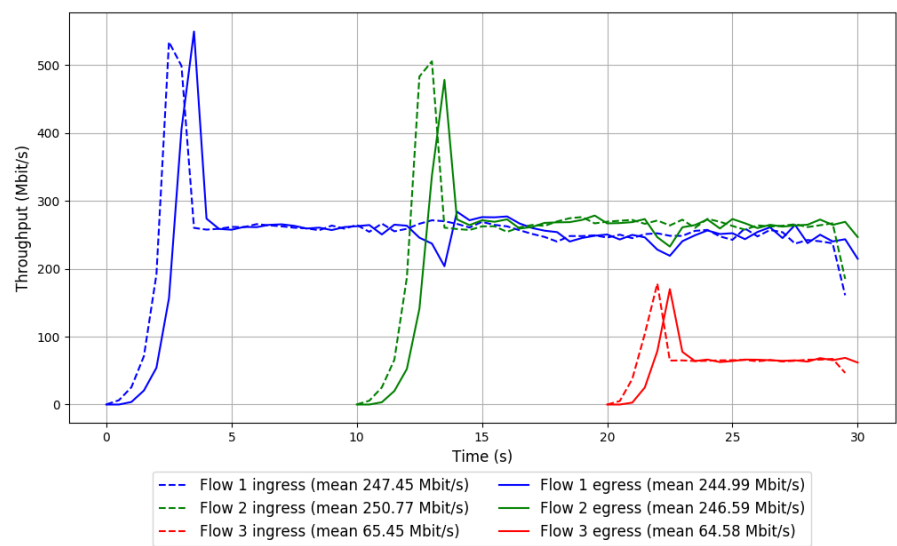


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 04:40:35
End at: 2018-05-22 04:41:05
Local clock offset: 0.008 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-22 07:12:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.02 Mbit/s
95th percentile per-packet one-way delay: 227.053 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 244.99 Mbit/s
95th percentile per-packet one-way delay: 226.683 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 246.59 Mbit/s
95th percentile per-packet one-way delay: 227.719 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 227.716 ms
Loss rate: 1.34%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 05:03:59

End at: 2018-05-22 05:04:29

Local clock offset: 0.188 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-05-22 07:16:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 444.07 Mbit/s

95th percentile per-packet one-way delay: 216.089 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 243.42 Mbit/s

95th percentile per-packet one-way delay: 212.935 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 243.34 Mbit/s

95th percentile per-packet one-way delay: 219.578 ms

Loss rate: 2.00%

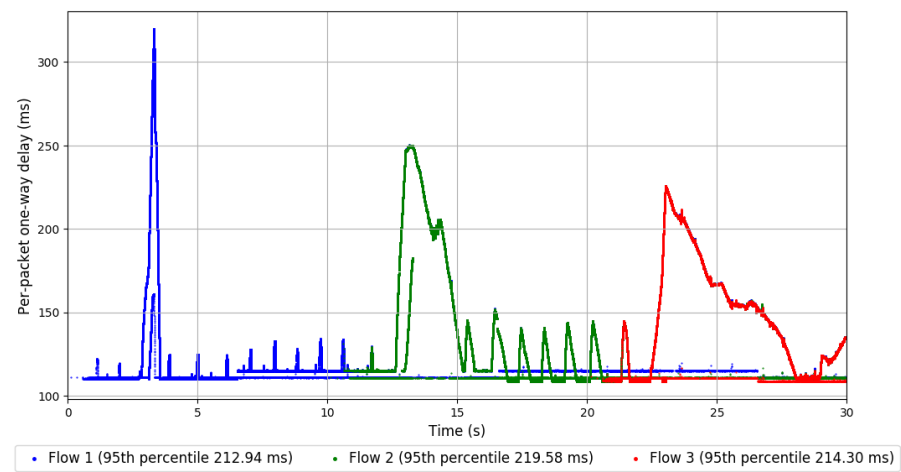
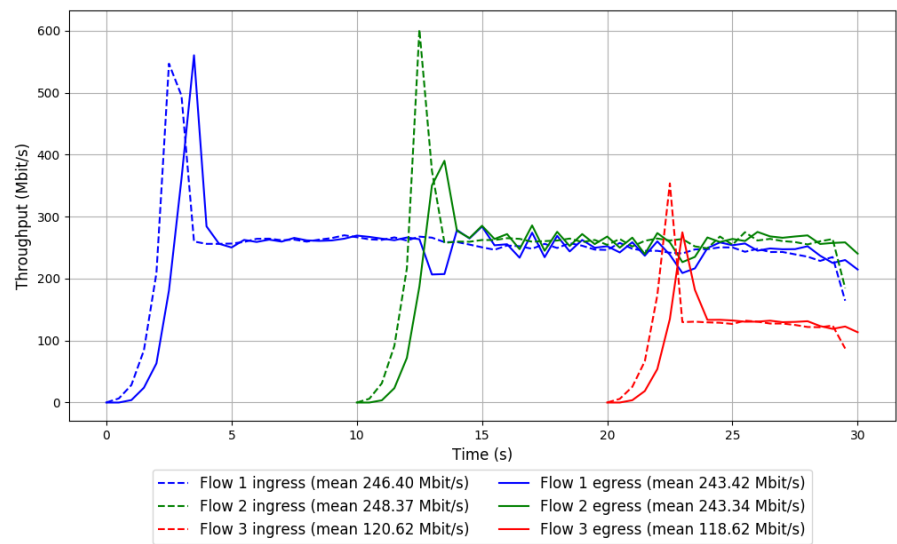
-- Flow 3:

Average throughput: 118.62 Mbit/s

95th percentile per-packet one-way delay: 214.296 ms

Loss rate: 1.61%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 05:27:18

End at: 2018-05-22 05:27:48

Local clock offset: 0.249 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-05-22 07:17:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.27 Mbit/s

95th percentile per-packet one-way delay: 243.749 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 435.26 Mbit/s

95th percentile per-packet one-way delay: 243.798 ms

Loss rate: 2.28%

-- Flow 2:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 243.556 ms

Loss rate: 0.91%

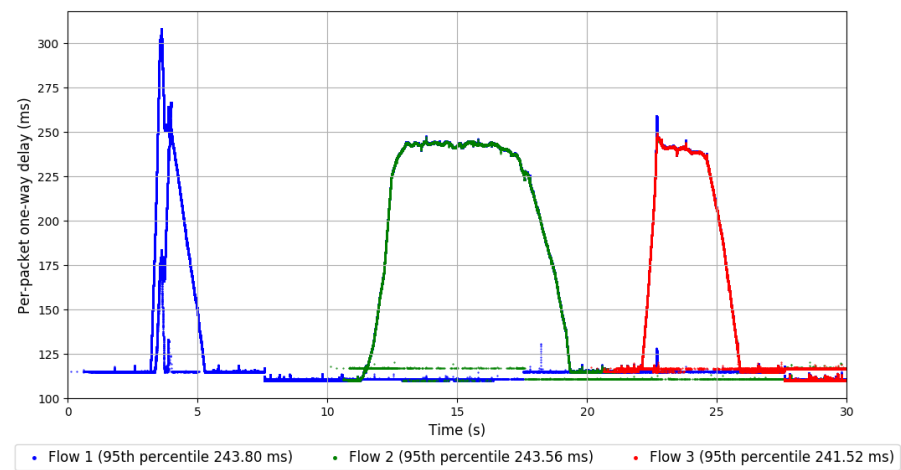
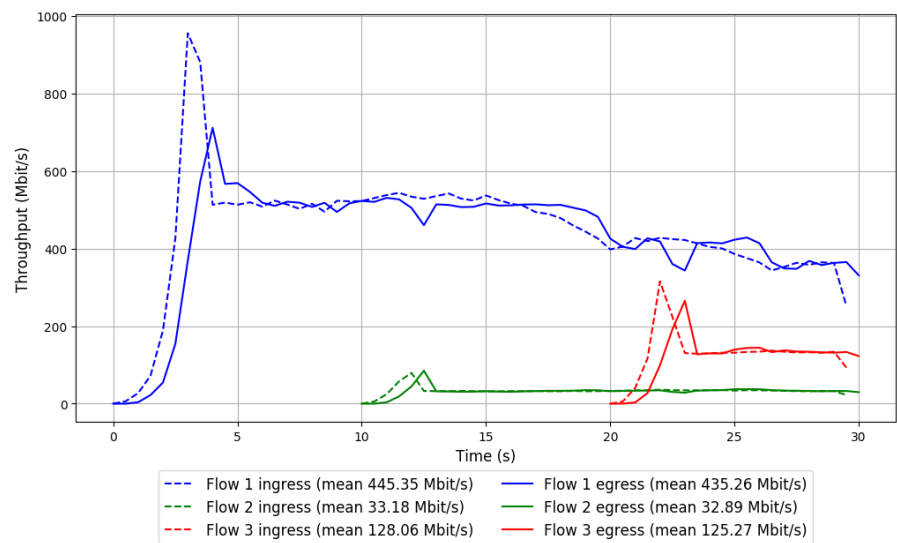
-- Flow 3:

Average throughput: 125.27 Mbit/s

95th percentile per-packet one-way delay: 241.523 ms

Loss rate: 2.25%

Run 9: Report of PCC-Allegro — Data Link

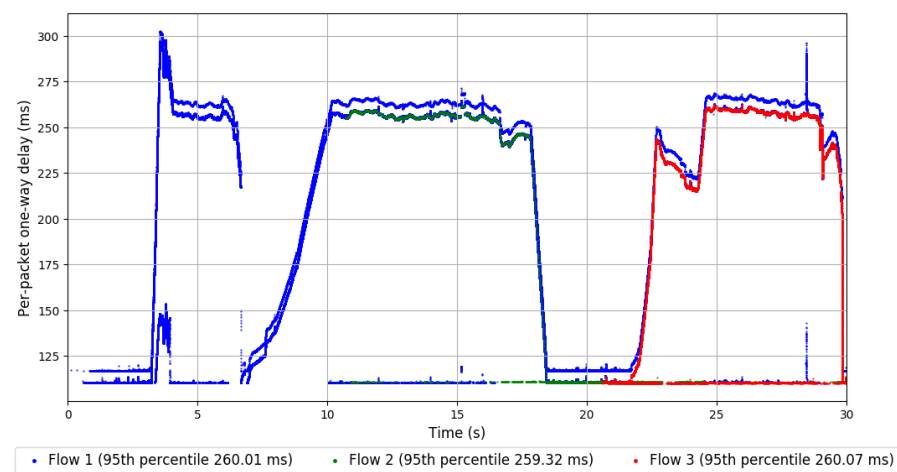
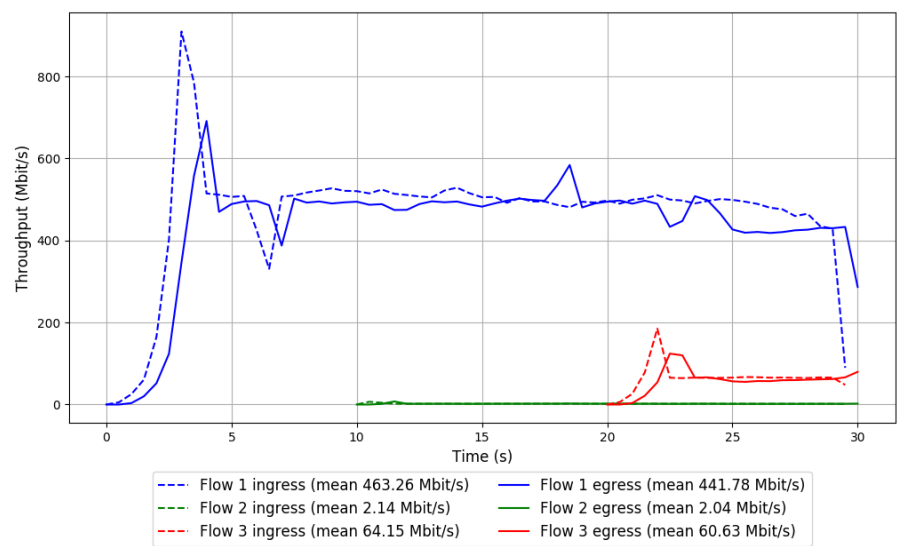


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 05:50:43
End at: 2018-05-22 05:51:13
Local clock offset: -0.233 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-22 07:17:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 463.10 Mbit/s
95th percentile per-packet one-way delay: 260.011 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 441.78 Mbit/s
95th percentile per-packet one-way delay: 260.006 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 259.325 ms
Loss rate: 4.85%
-- Flow 3:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 260.068 ms
Loss rate: 5.50%

Run 10: Report of PCC-Allegro — Data Link

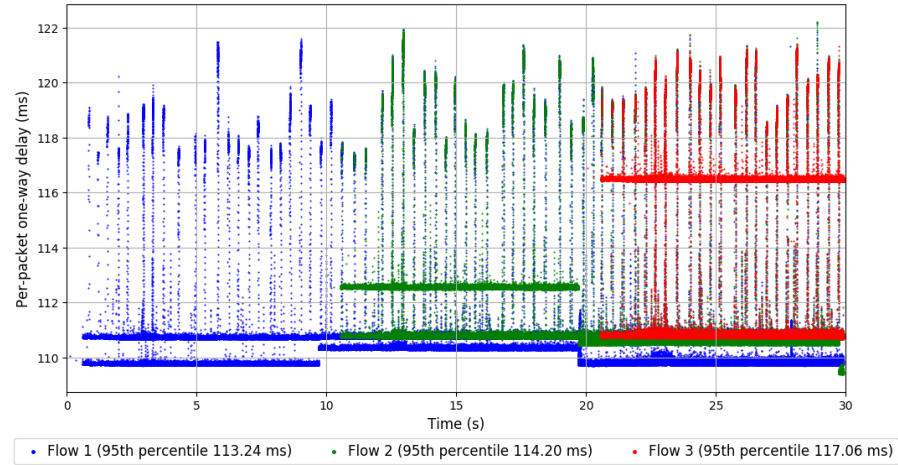
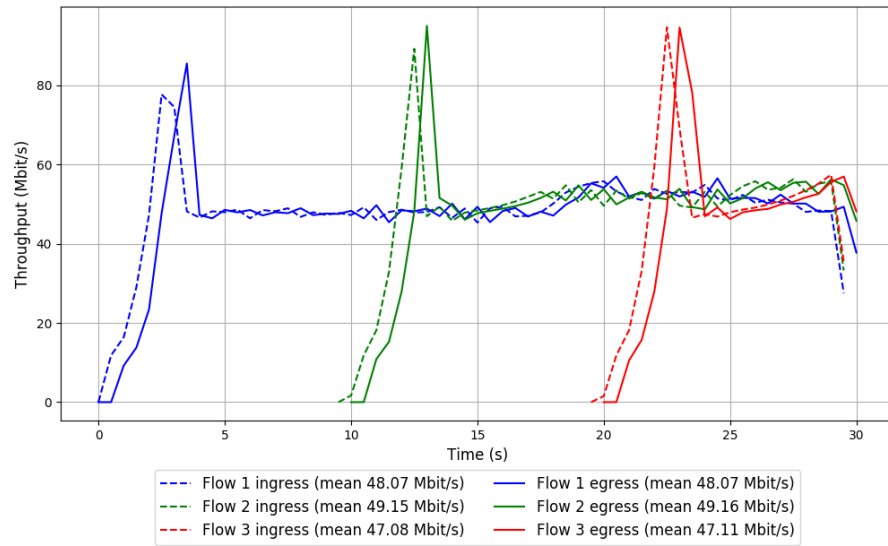


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 02:15:15
End at: 2018-05-22 02:15:45
Local clock offset: 0.04 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-05-22 07:17:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 116.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 113.236 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 114.196 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 117.061 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

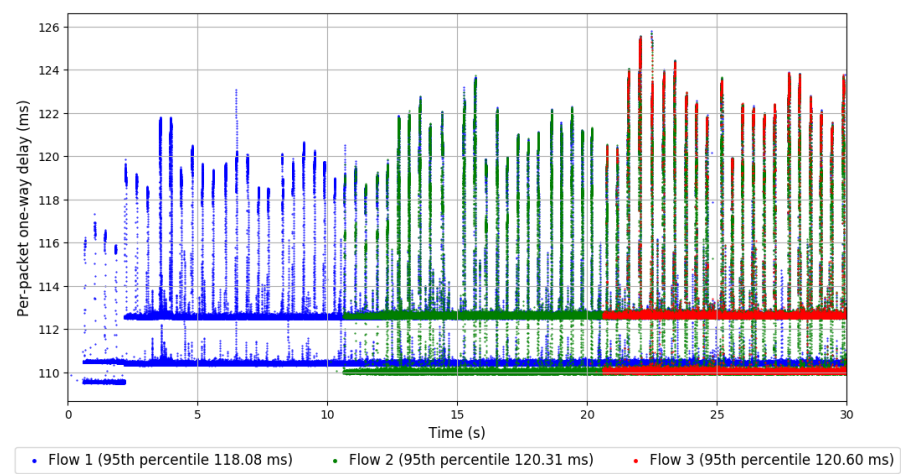
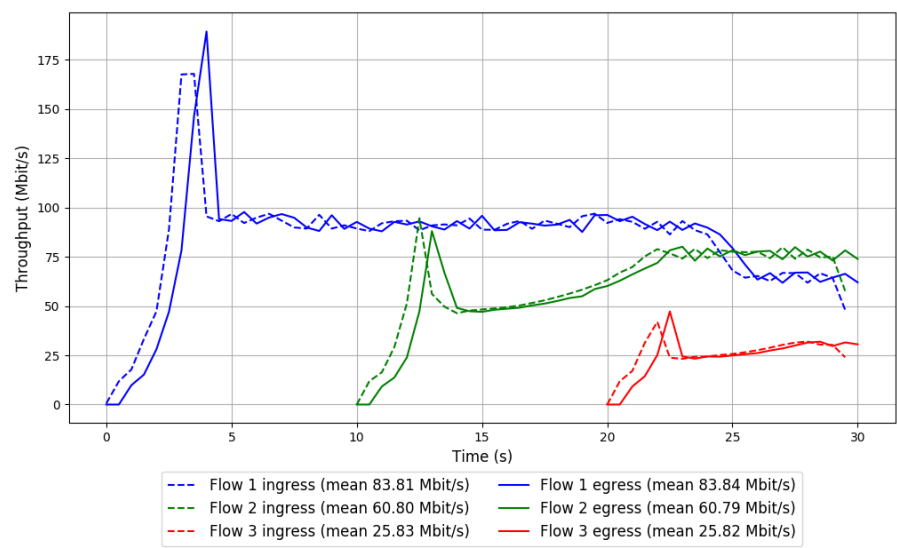


Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 02:38:23
End at: 2018-05-22 02:38:53
Local clock offset: 0.256 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-05-22 07:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.79 Mbit/s
95th percentile per-packet one-way delay: 119.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.84 Mbit/s
95th percentile per-packet one-way delay: 118.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 120.312 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 120.602 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

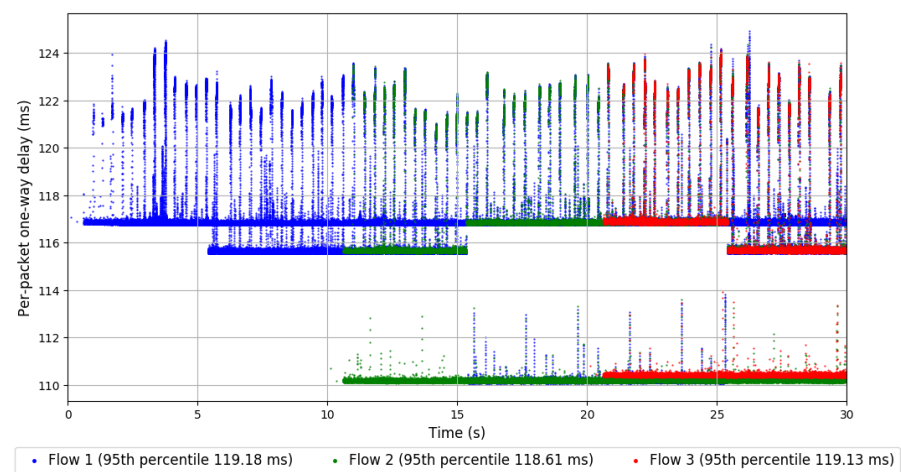
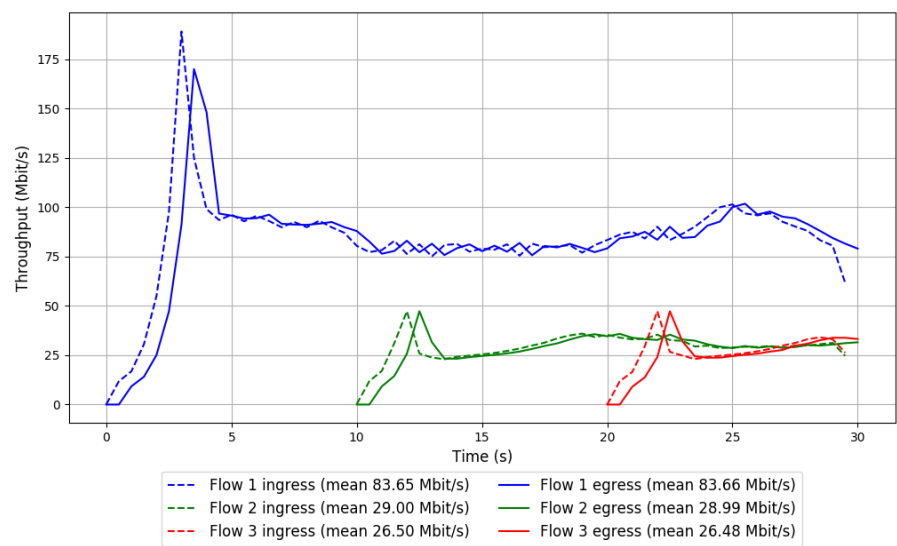


Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 03:01:20
End at: 2018-05-22 03:01:50
Local clock offset: 0.262 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-05-22 07:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.69 Mbit/s
95th percentile per-packet one-way delay: 119.075 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 119.180 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 118.613 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 26.48 Mbit/s
95th percentile per-packet one-way delay: 119.131 ms
Loss rate: 0.07%

Run 3: Report of PCC-Expr — Data Link

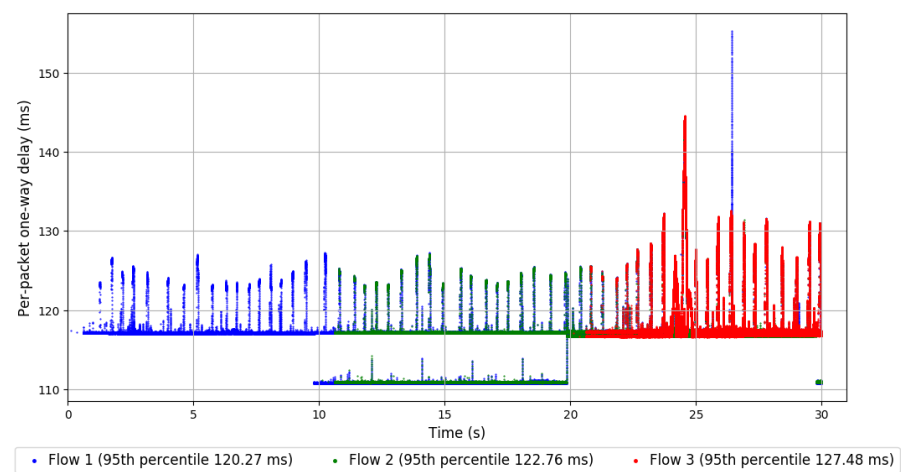
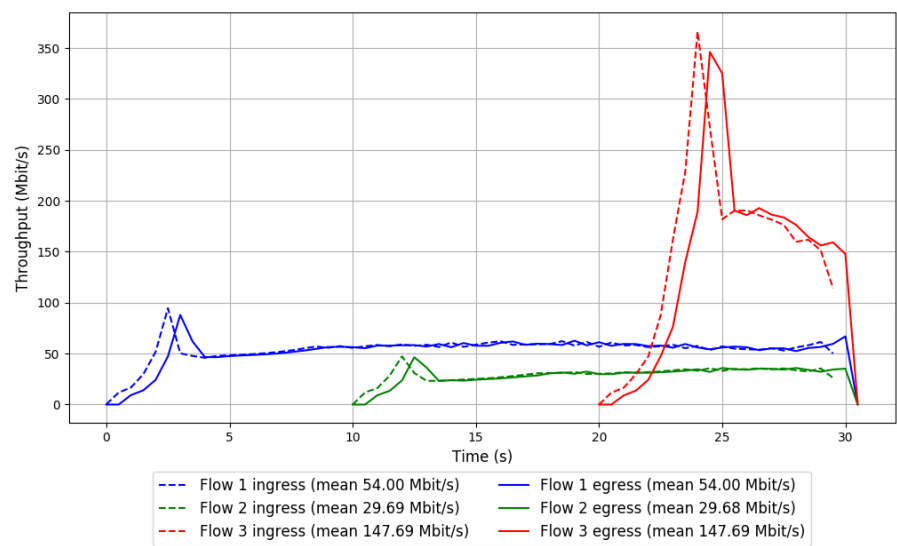


Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 03:24:35
End at: 2018-05-22 03:25:05
Local clock offset: 0.046 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-22 07:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.51 Mbit/s
95th percentile per-packet one-way delay: 124.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.00 Mbit/s
95th percentile per-packet one-way delay: 120.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 122.764 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.69 Mbit/s
95th percentile per-packet one-way delay: 127.479 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-22 03:47:37

End at: 2018-05-22 03:48:07

Local clock offset: 0.112 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-22 07:17:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.29 Mbit/s

95th percentile per-packet one-way delay: 117.379 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 116.694 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 118.050 ms

Loss rate: 0.00%

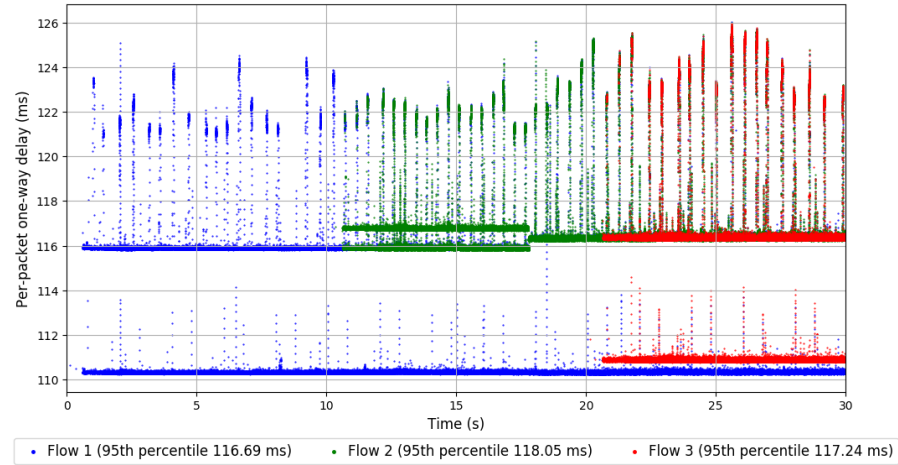
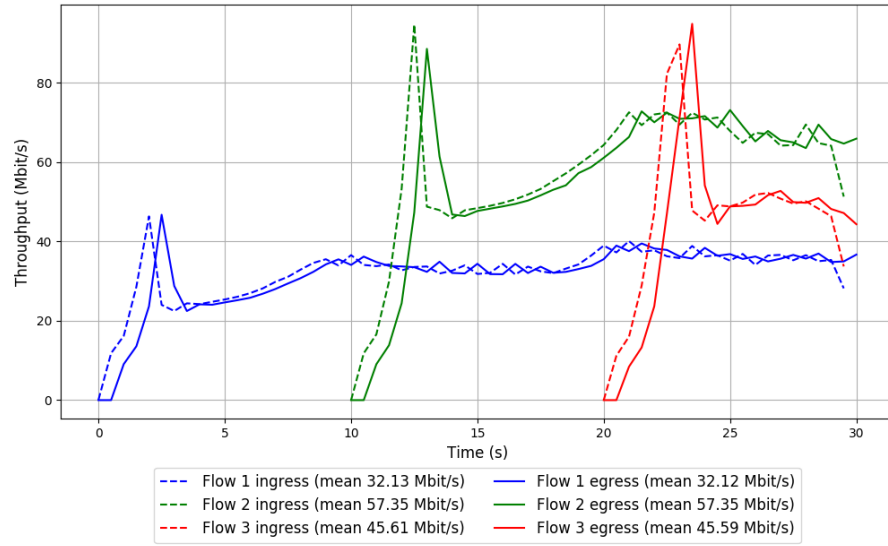
-- Flow 3:

Average throughput: 45.59 Mbit/s

95th percentile per-packet one-way delay: 117.237 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

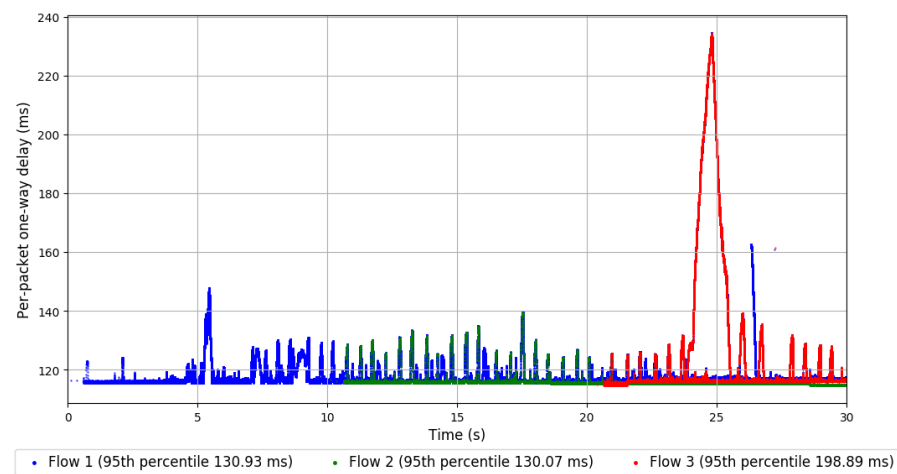
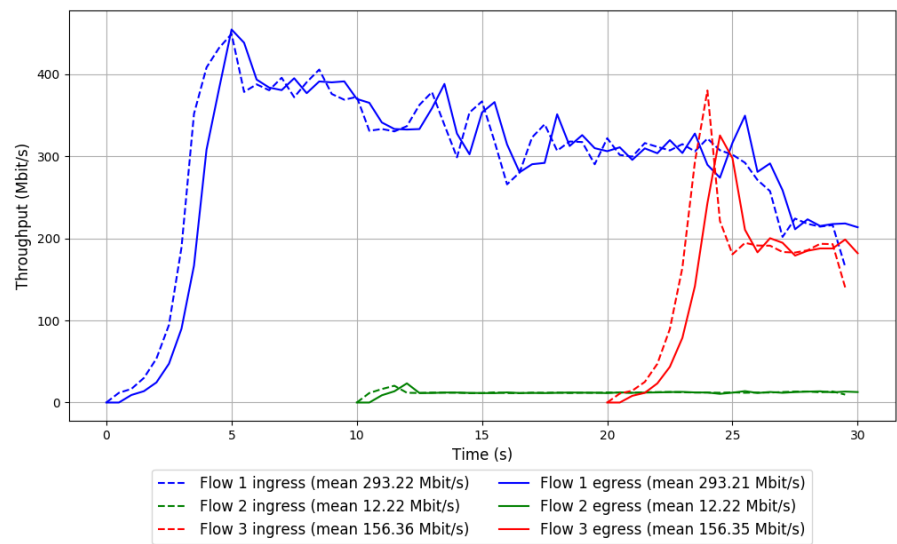


Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 04:10:54
End at: 2018-05-22 04:11:24
Local clock offset: -0.066 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.90 Mbit/s
95th percentile per-packet one-way delay: 135.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 293.21 Mbit/s
95th percentile per-packet one-way delay: 130.929 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 130.075 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.35 Mbit/s
95th percentile per-packet one-way delay: 198.893 ms
Loss rate: 0.01%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 04:34:10

End at: 2018-05-22 04:34:40

Local clock offset: -0.284 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.44 Mbit/s

95th percentile per-packet one-way delay: 117.104 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 107.59 Mbit/s

95th percentile per-packet one-way delay: 117.086 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.59 Mbit/s

95th percentile per-packet one-way delay: 117.181 ms

Loss rate: 0.00%

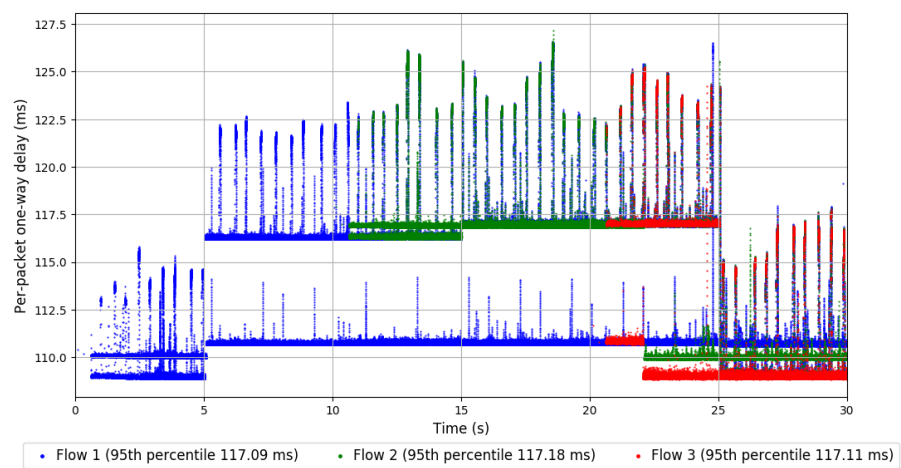
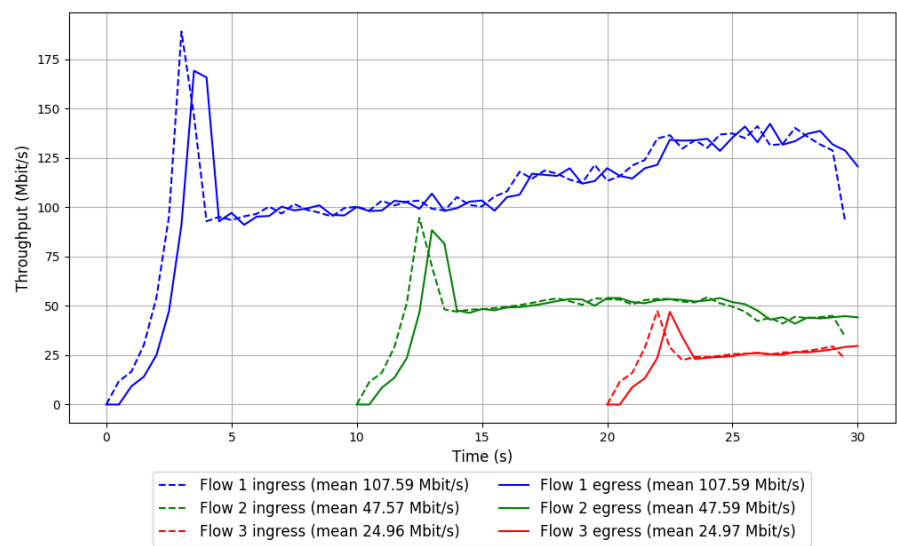
-- Flow 3:

Average throughput: 24.97 Mbit/s

95th percentile per-packet one-way delay: 117.113 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 04:57:30

End at: 2018-05-22 04:58:00

Local clock offset: -0.269 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 149.91 Mbit/s

95th percentile per-packet one-way delay: 124.990 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.08 Mbit/s

95th percentile per-packet one-way delay: 112.476 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 73.62 Mbit/s

95th percentile per-packet one-way delay: 116.271 ms

Loss rate: 0.00%

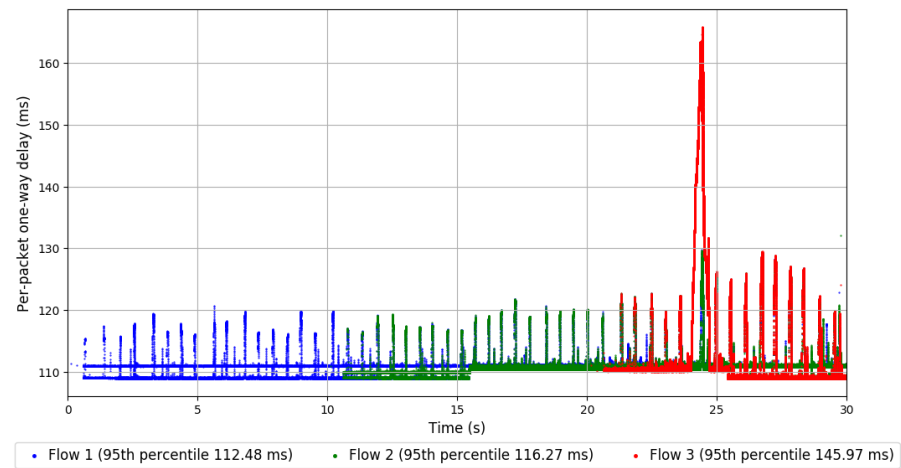
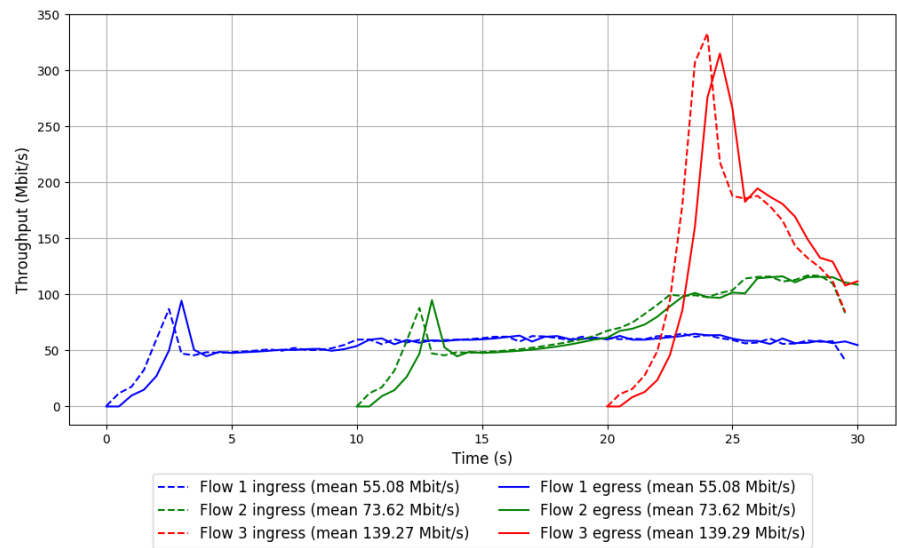
-- Flow 3:

Average throughput: 139.29 Mbit/s

95th percentile per-packet one-way delay: 145.967 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 05:20:42

End at: 2018-05-22 05:21:12

Local clock offset: 0.163 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.69 Mbit/s

95th percentile per-packet one-way delay: 114.892 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 100.65 Mbit/s

95th percentile per-packet one-way delay: 111.318 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 129.03 Mbit/s

95th percentile per-packet one-way delay: 112.998 ms

Loss rate: 0.00%

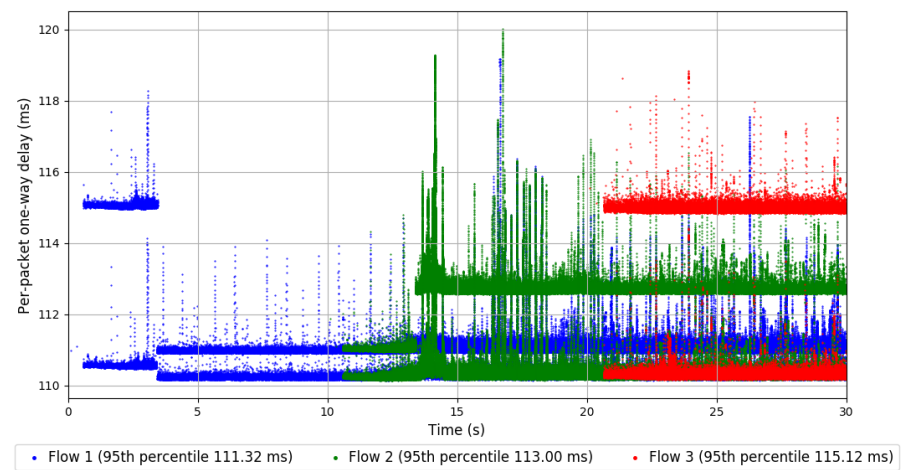
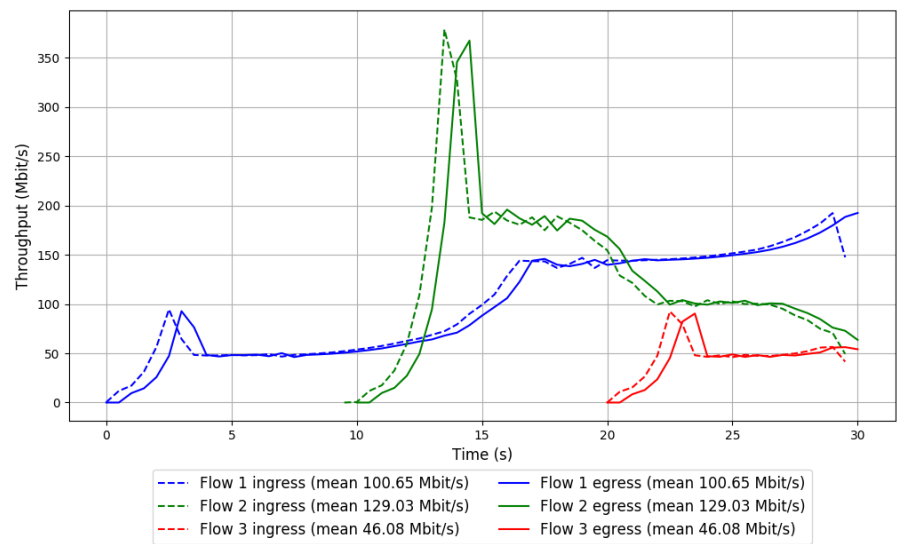
-- Flow 3:

Average throughput: 46.08 Mbit/s

95th percentile per-packet one-way delay: 115.122 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

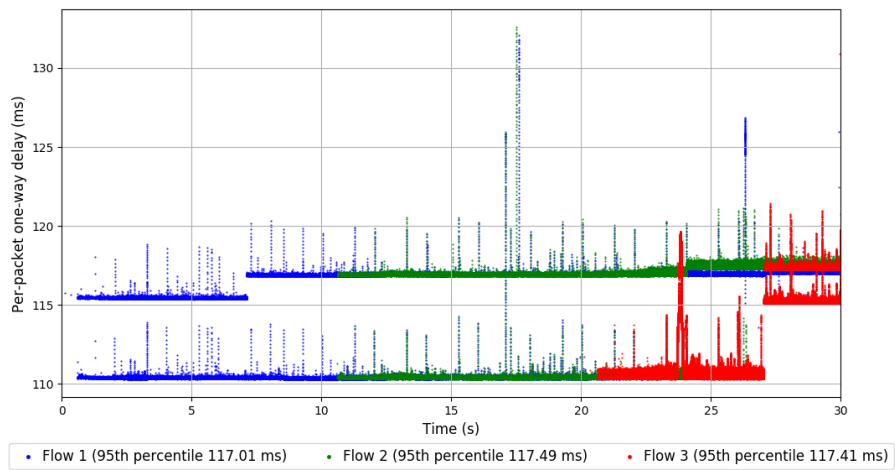
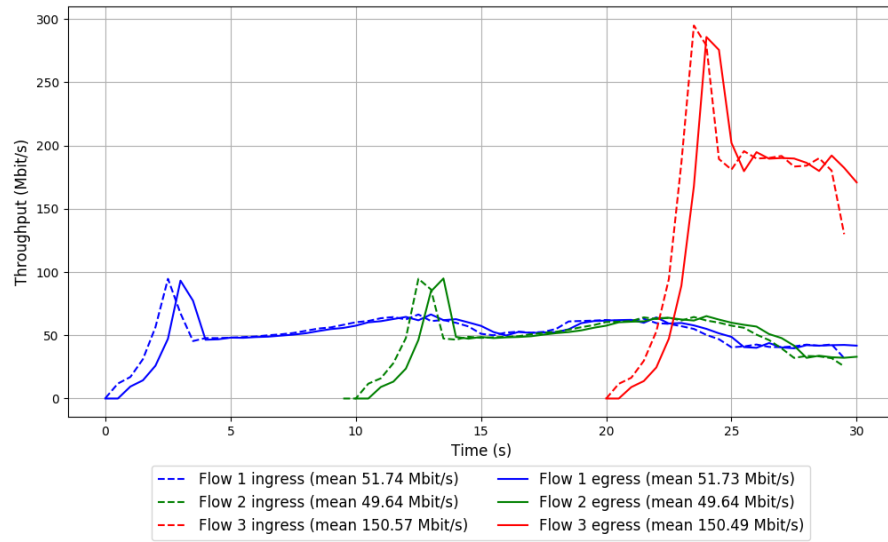


Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 05:44:18
End at: 2018-05-22 05:44:48
Local clock offset: -0.337 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.46 Mbit/s
95th percentile per-packet one-way delay: 117.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 117.007 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 117.489 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 150.49 Mbit/s
95th percentile per-packet one-way delay: 117.409 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

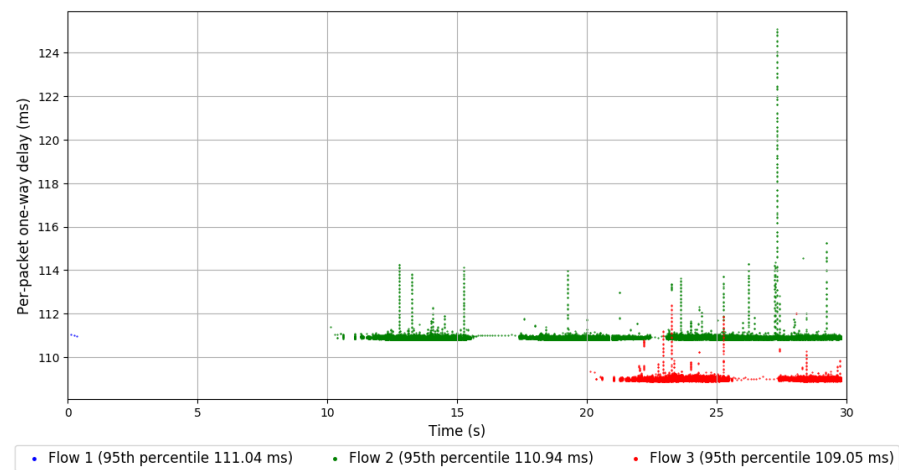
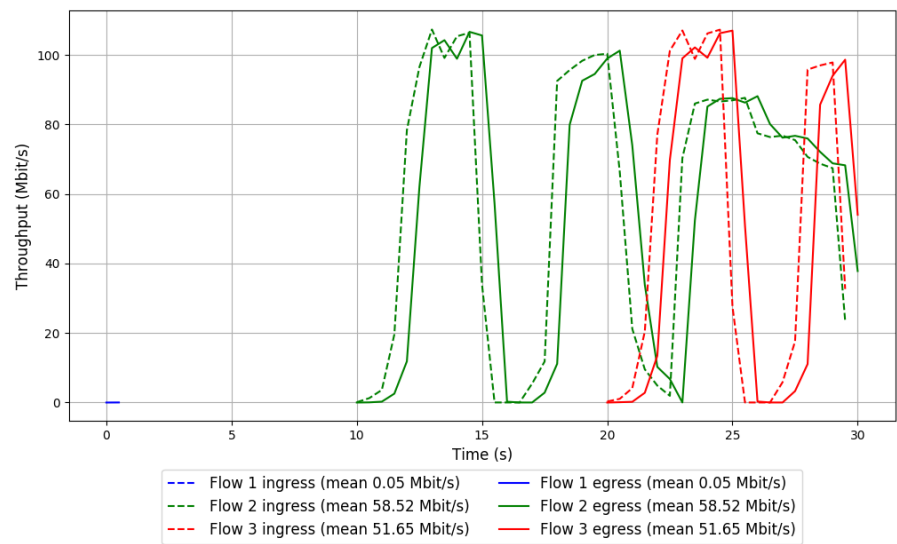


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 02:31:46
End at: 2018-05-22 02:32:16
Local clock offset: -0.227 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 110.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 110.941 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 109.049 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 02:54:55

End at: 2018-05-22 02:55:25

Local clock offset: 0.097 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.81 Mbit/s

95th percentile per-packet one-way delay: 117.051 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 109.799 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.44 Mbit/s

95th percentile per-packet one-way delay: 117.061 ms

Loss rate: 0.00%

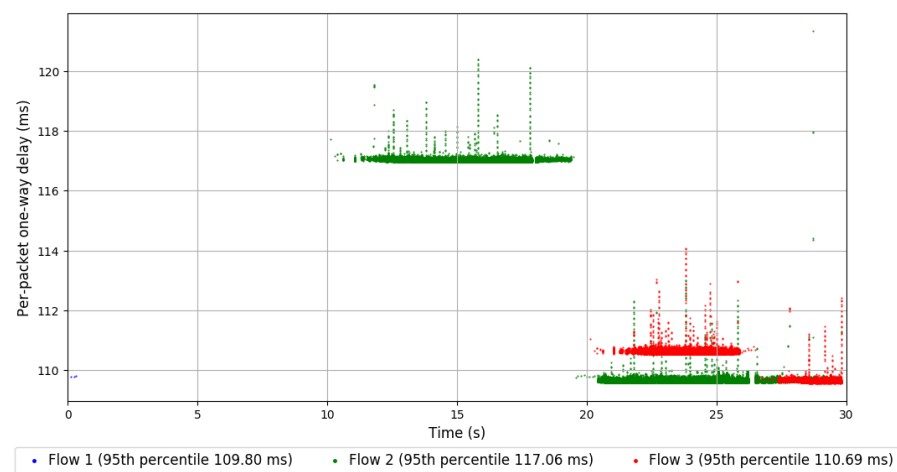
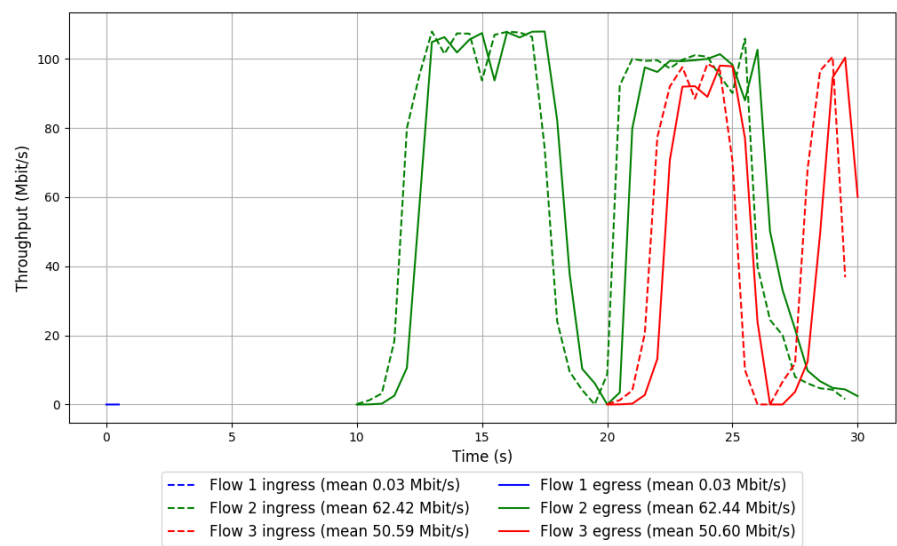
-- Flow 3:

Average throughput: 50.60 Mbit/s

95th percentile per-packet one-way delay: 110.691 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

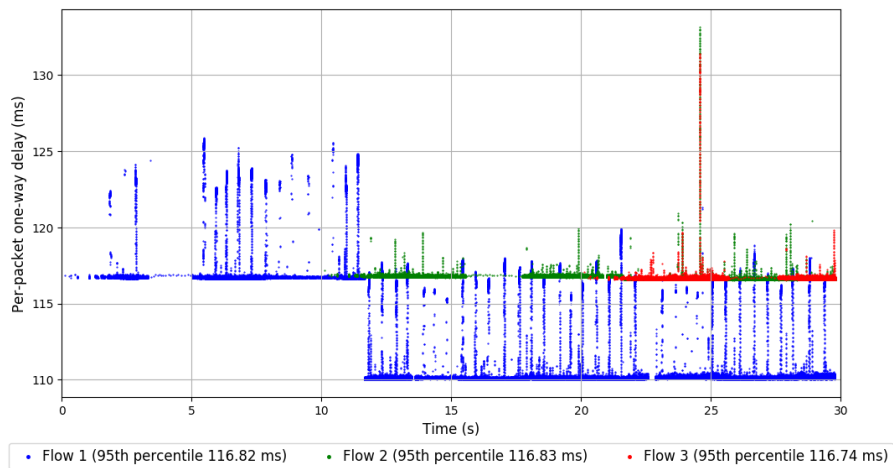
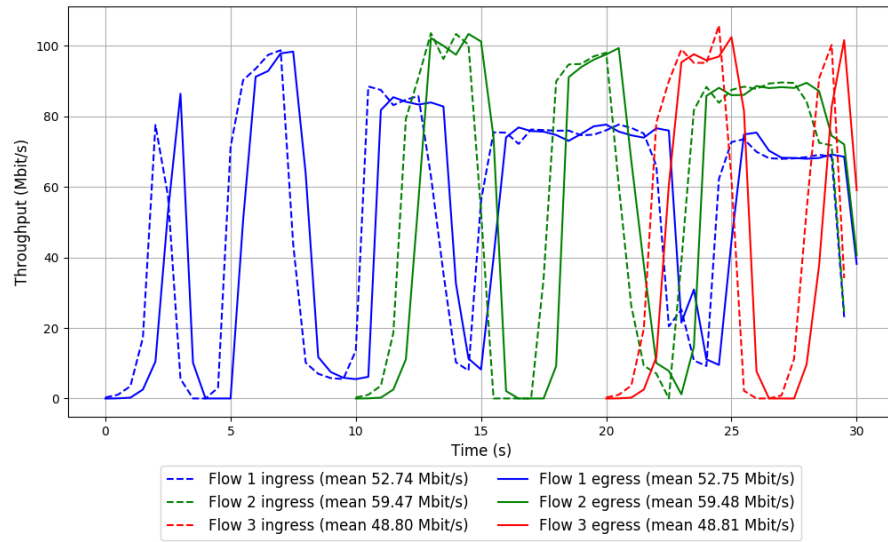


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 03:18:03
End at: 2018-05-22 03:18:33
Local clock offset: 0.017 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.04 Mbit/s
95th percentile per-packet one-way delay: 116.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 116.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 116.832 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 116.743 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 03:41:10

End at: 2018-05-22 03:41:40

Local clock offset: -0.073 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.65 Mbit/s

95th percentile per-packet one-way delay: 117.310 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.84 Mbit/s

95th percentile per-packet one-way delay: 117.030 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.64 Mbit/s

95th percentile per-packet one-way delay: 116.081 ms

Loss rate: 0.00%

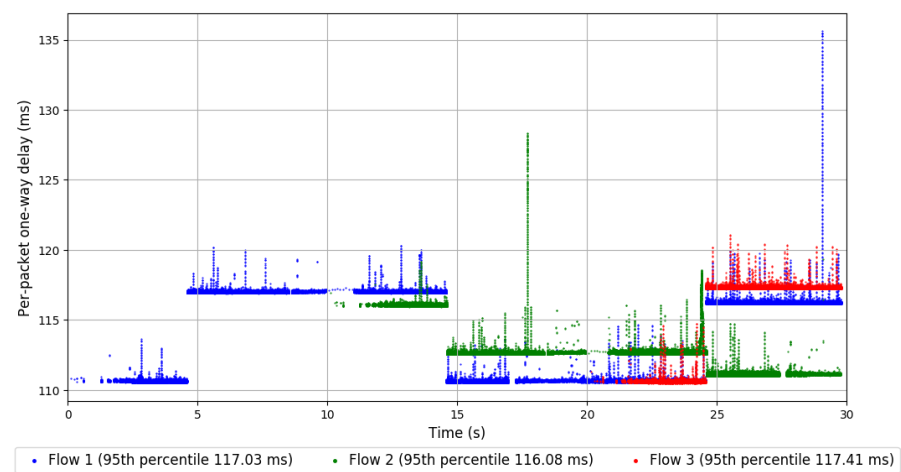
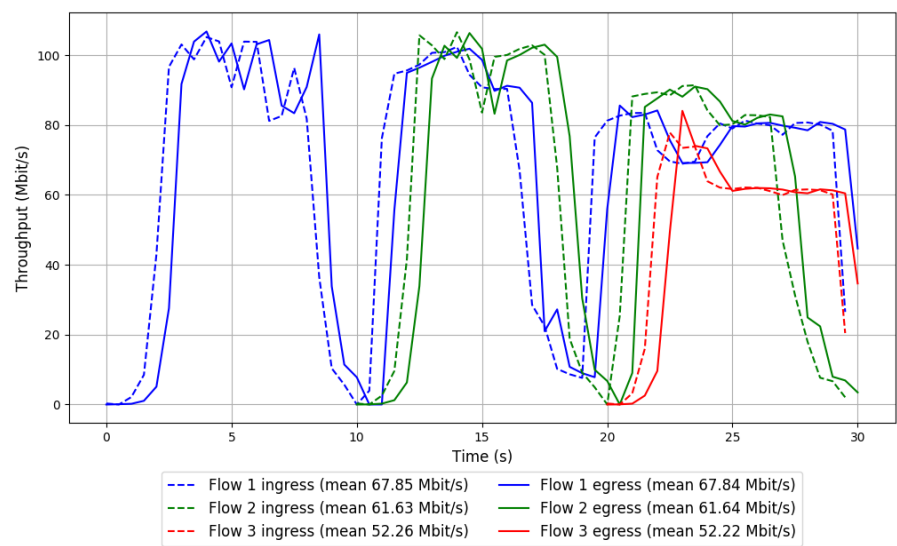
-- Flow 3:

Average throughput: 52.22 Mbit/s

95th percentile per-packet one-way delay: 117.410 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 04:04:22

End at: 2018-05-22 04:04:52

Local clock offset: 0.122 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 121.84 Mbit/s

95th percentile per-packet one-way delay: 116.437 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.52 Mbit/s

95th percentile per-packet one-way delay: 116.458 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 115.912 ms

Loss rate: 0.00%

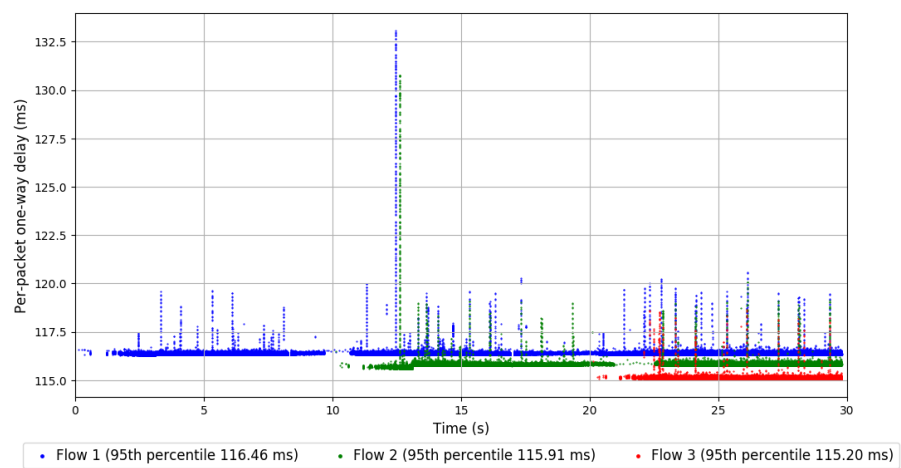
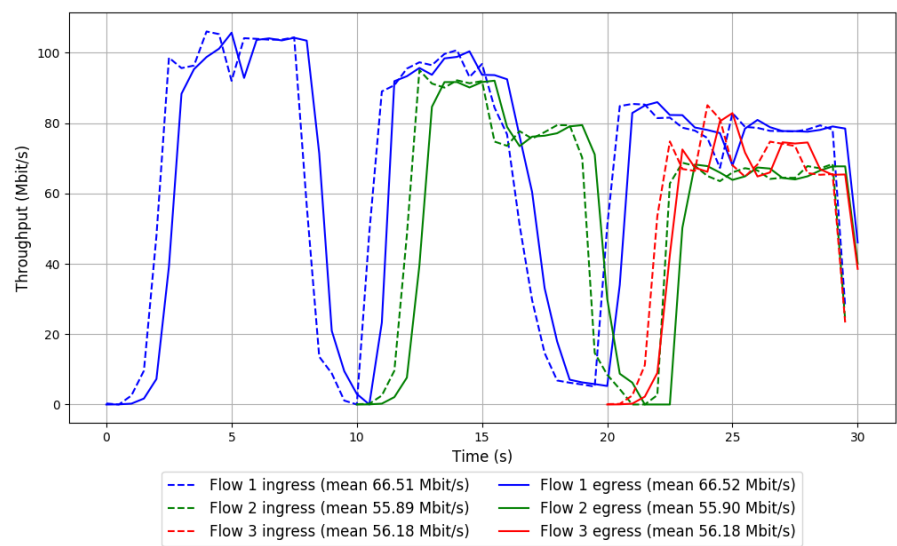
-- Flow 3:

Average throughput: 56.18 Mbit/s

95th percentile per-packet one-way delay: 115.202 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

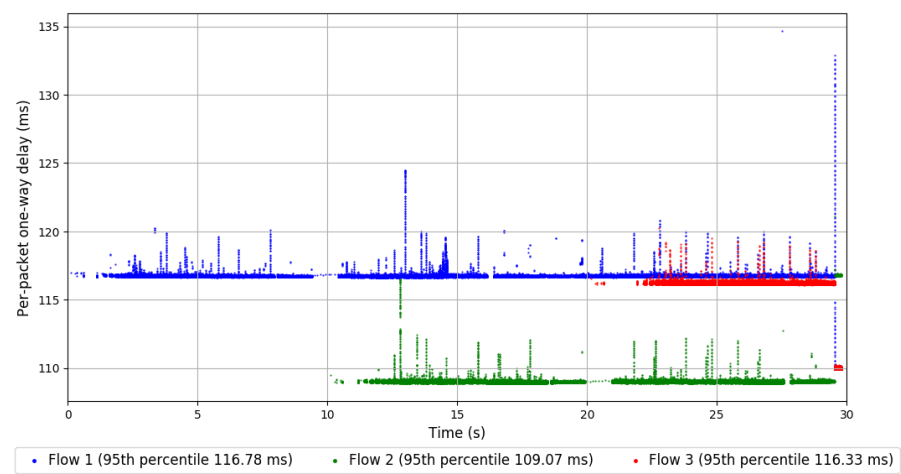
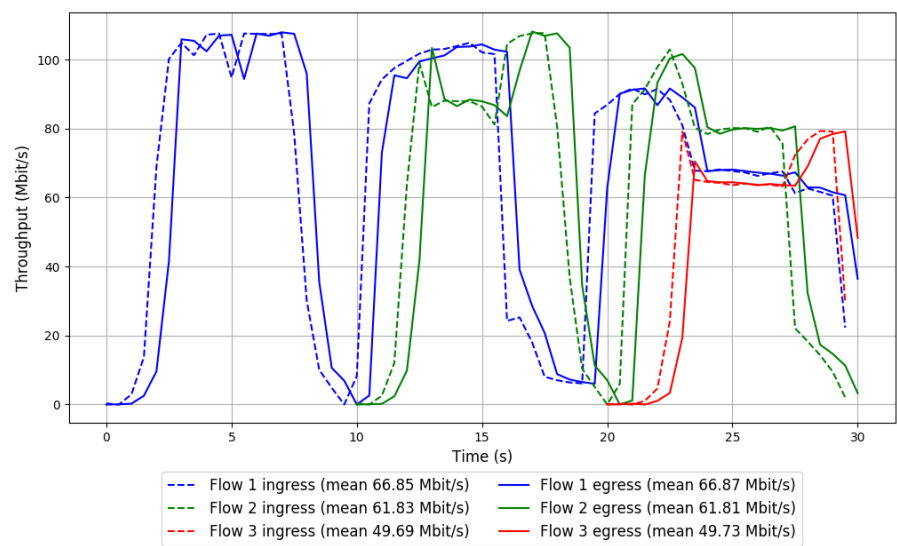


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 04:27:45
End at: 2018-05-22 04:28:15
Local clock offset: -0.217 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.99 Mbit/s
95th percentile per-packet one-way delay: 116.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 116.781 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 109.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 116.327 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

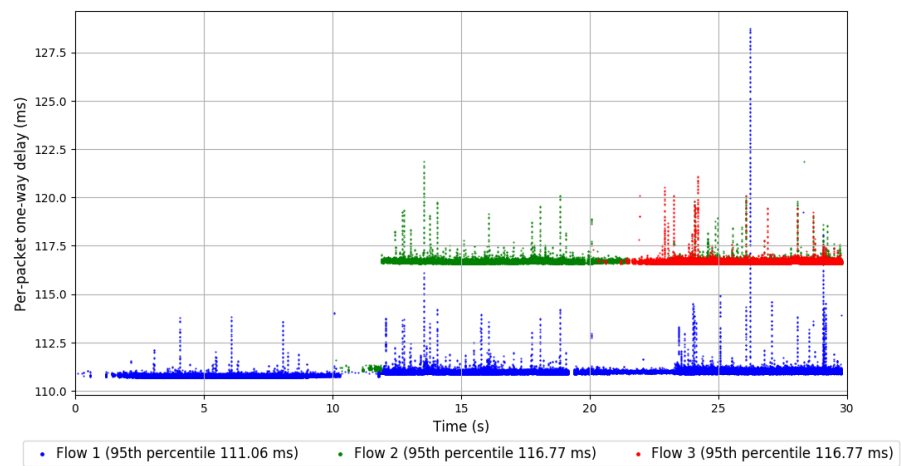
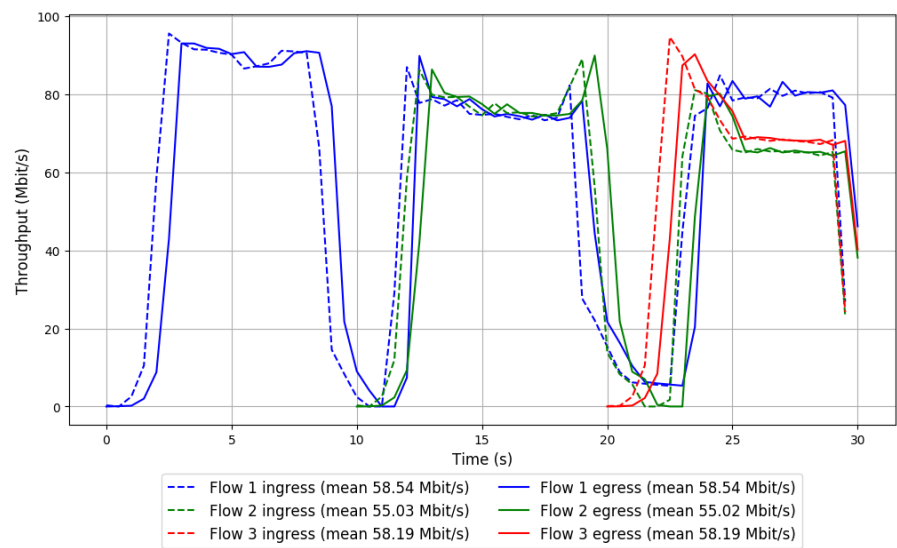


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 04:51:03
End at: 2018-05-22 04:51:33
Local clock offset: -0.045 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.90 Mbit/s
95th percentile per-packet one-way delay: 116.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 111.065 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 116.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 116.770 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 05:14:08

End at: 2018-05-22 05:14:38

Local clock offset: 0.326 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 113.50 Mbit/s

95th percentile per-packet one-way delay: 114.924 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 110.847 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.16 Mbit/s

95th percentile per-packet one-way delay: 114.887 ms

Loss rate: 0.00%

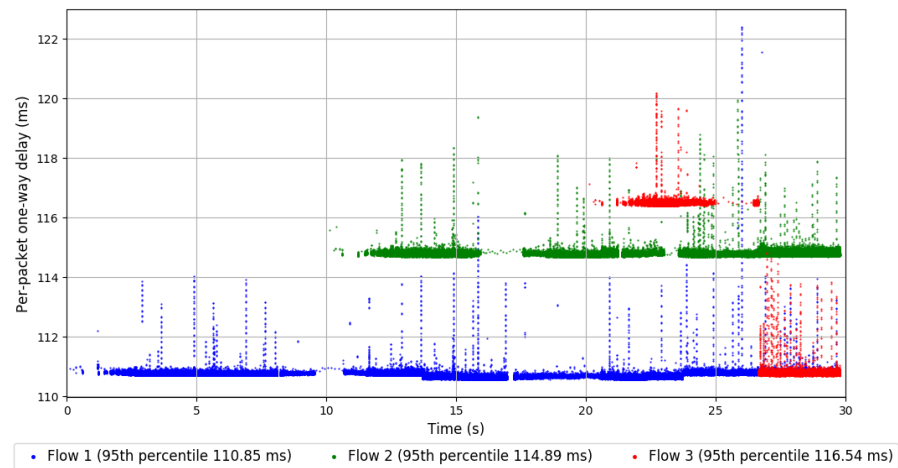
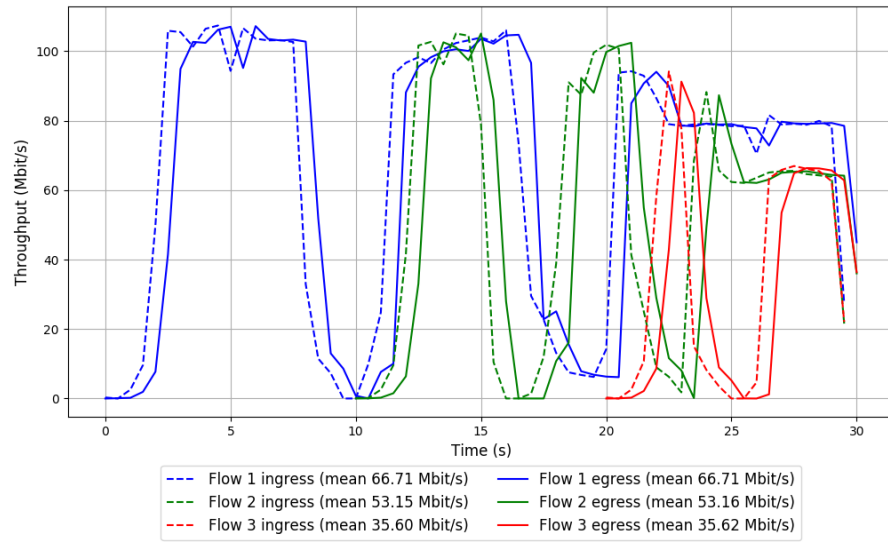
-- Flow 3:

Average throughput: 35.62 Mbit/s

95th percentile per-packet one-way delay: 116.544 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 05:37:45

End at: 2018-05-22 05:38:15

Local clock offset: 0.043 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.10 Mbit/s

95th percentile per-packet one-way delay: 117.295 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.05 Mbit/s

95th percentile per-packet one-way delay: 117.305 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.32 Mbit/s

95th percentile per-packet one-way delay: 117.286 ms

Loss rate: 0.00%

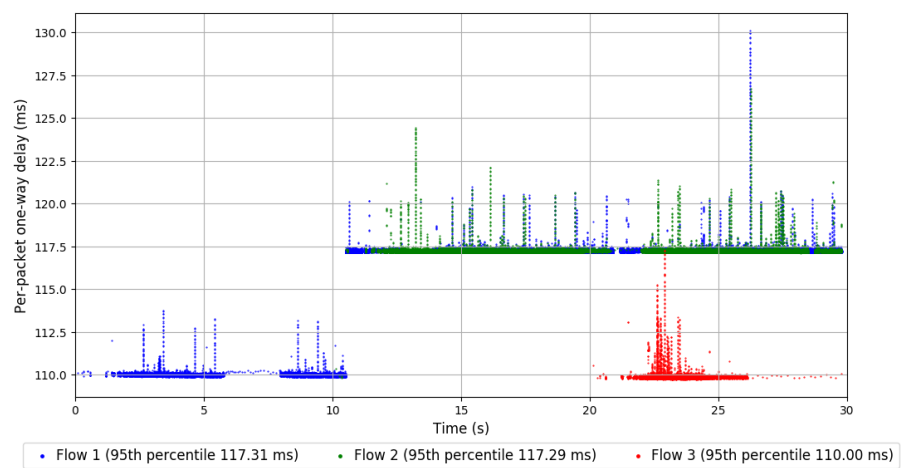
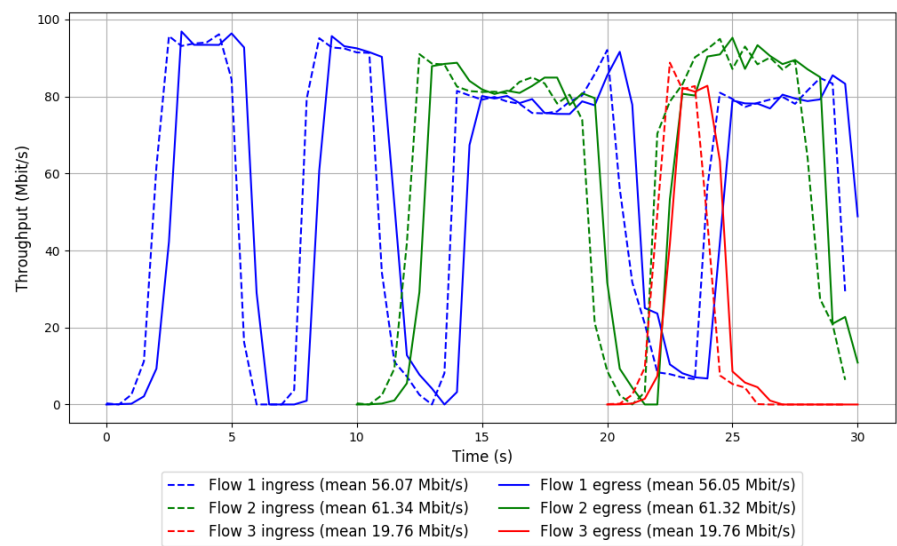
-- Flow 3:

Average throughput: 19.76 Mbit/s

95th percentile per-packet one-way delay: 110.005 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 06:00:51

End at: 2018-05-22 06:01:21

Local clock offset: -0.329 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.71 Mbit/s

95th percentile per-packet one-way delay: 117.571 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 116.973 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.74 Mbit/s

95th percentile per-packet one-way delay: 117.607 ms

Loss rate: 0.00%

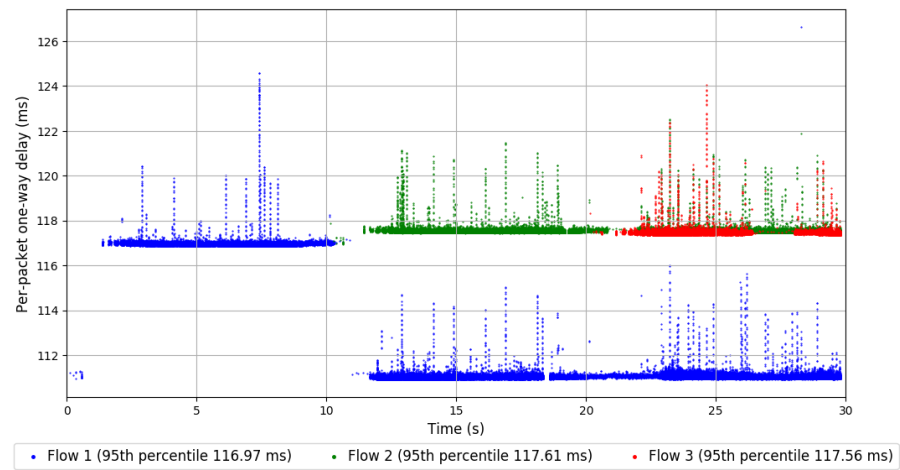
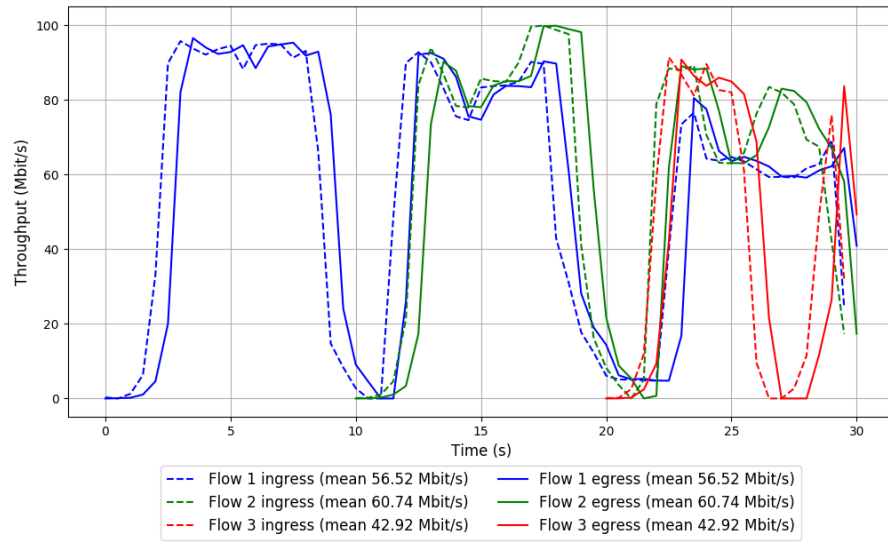
-- Flow 3:

Average throughput: 42.92 Mbit/s

95th percentile per-packet one-way delay: 117.556 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

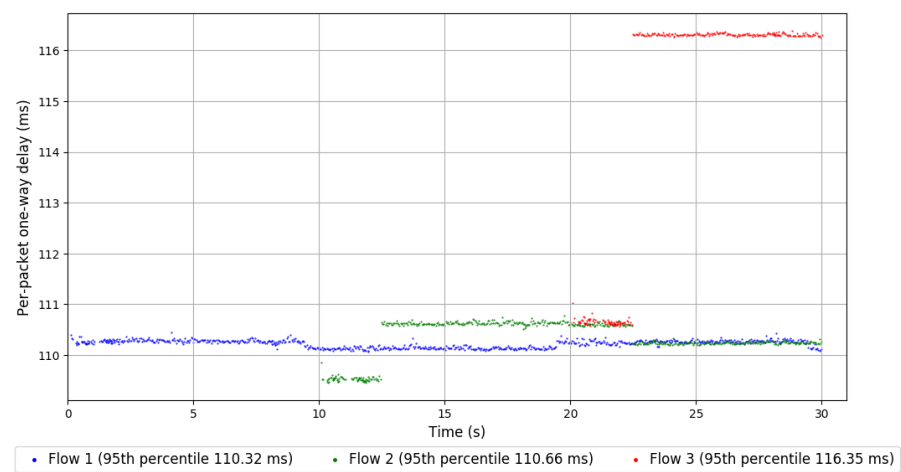
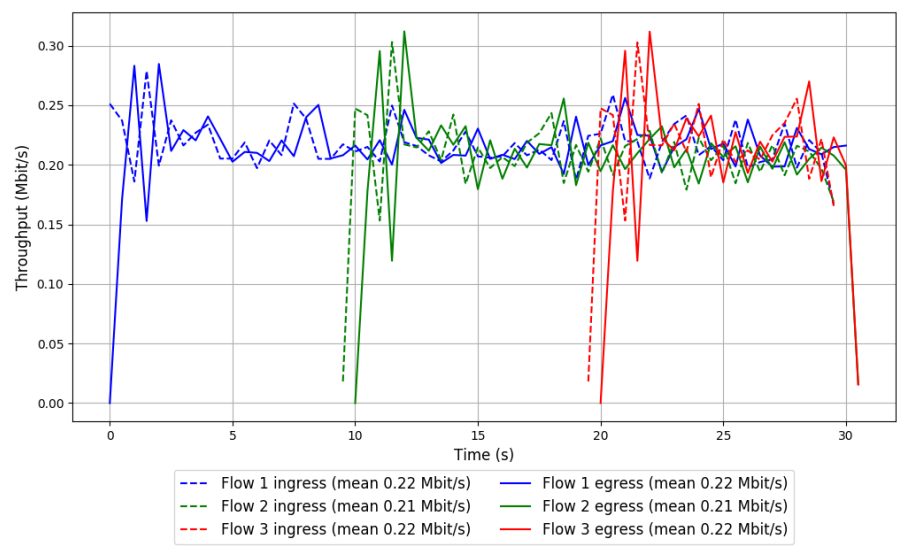


Run 1: Statistics of SCReAM

Start at: 2018-05-22 02:30:33
End at: 2018-05-22 02:31:03
Local clock offset: 0.24 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 116.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.349 ms
Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link

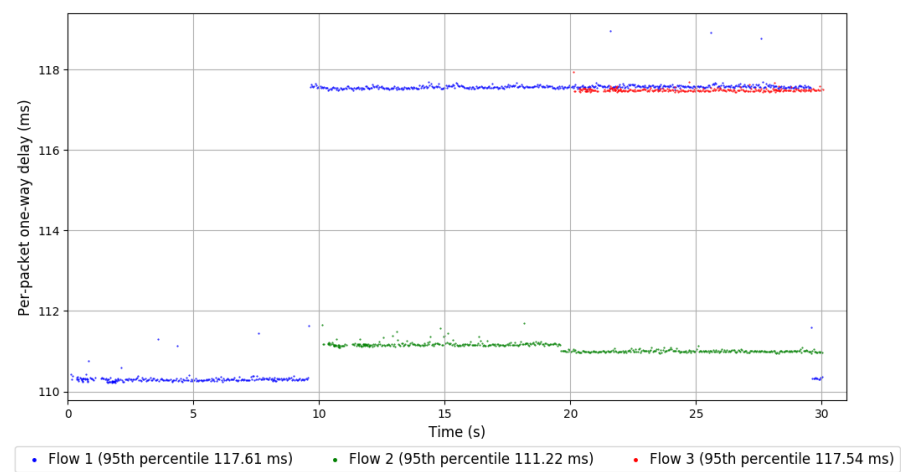
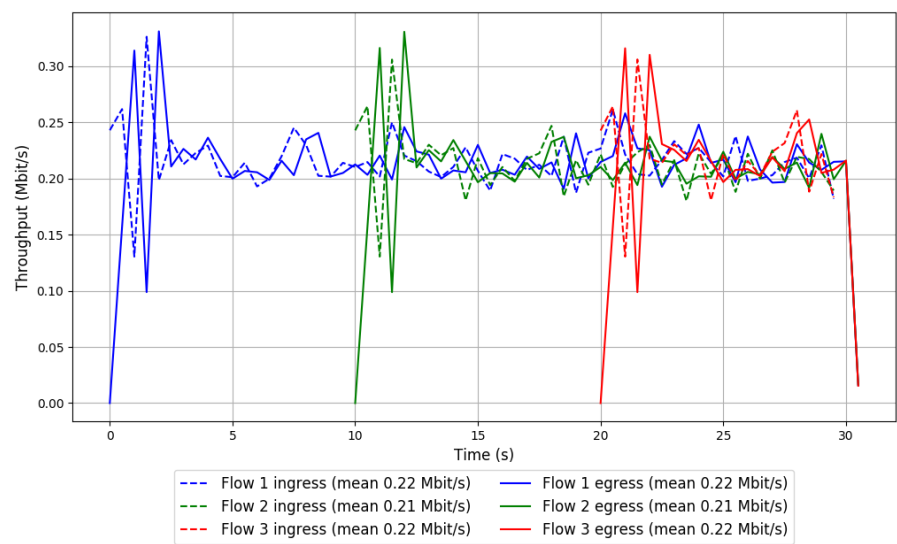


Run 2: Statistics of SReAM

Start at: 2018-05-22 02:53:43
End at: 2018-05-22 02:54:13
Local clock offset: -0.078 ms
Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 117.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.614 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.541 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

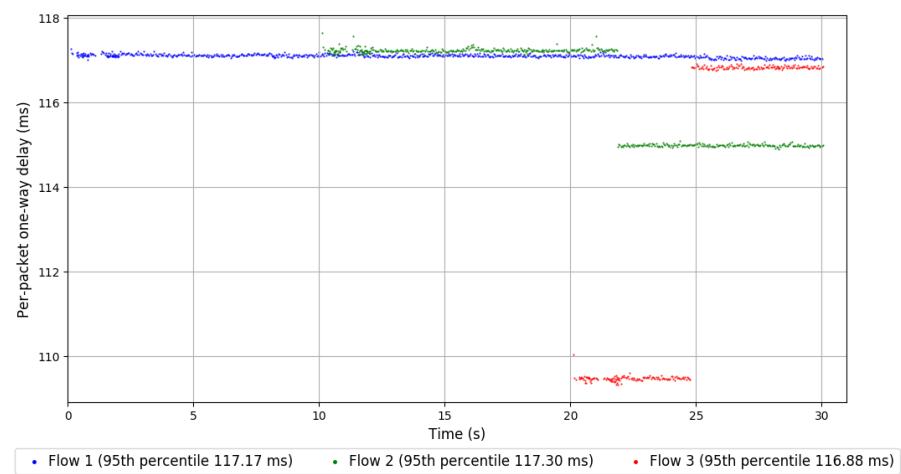
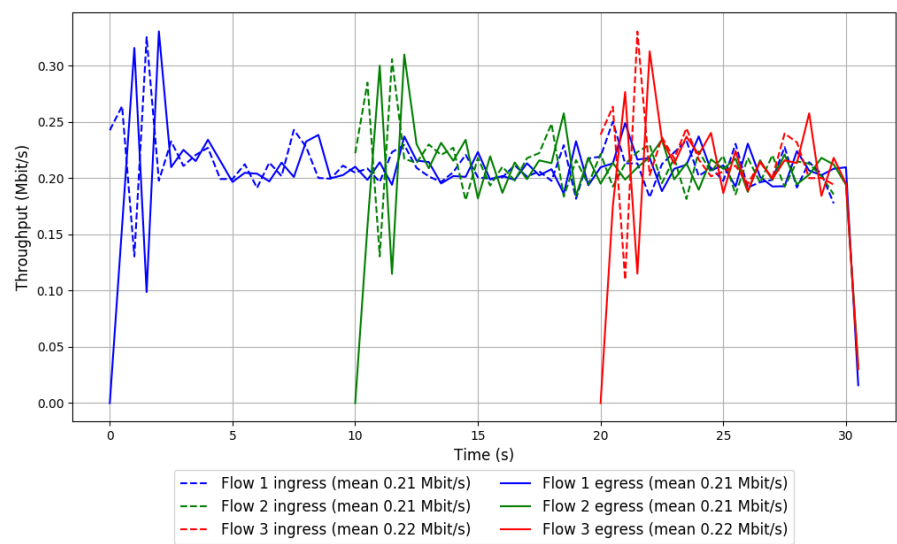


Run 3: Statistics of SReAM

Start at: 2018-05-22 03:16:50
End at: 2018-05-22 03:17:20
Local clock offset: 0.136 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 117.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 117.170 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 117.296 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.882 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

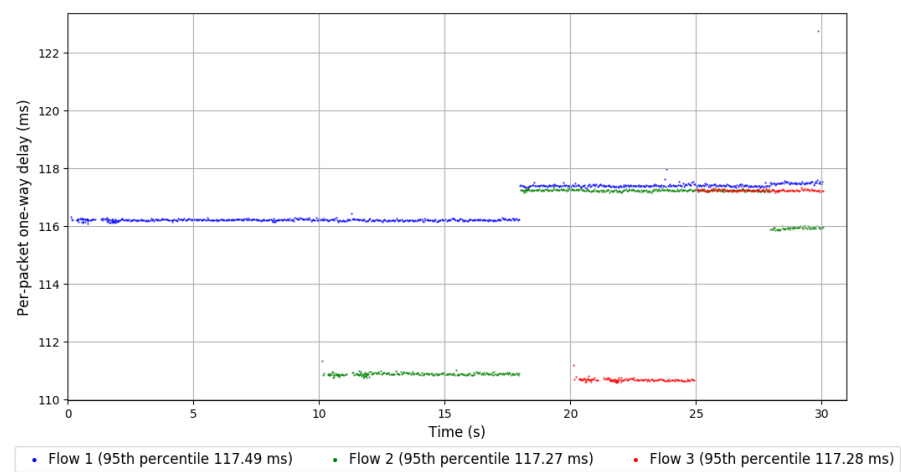
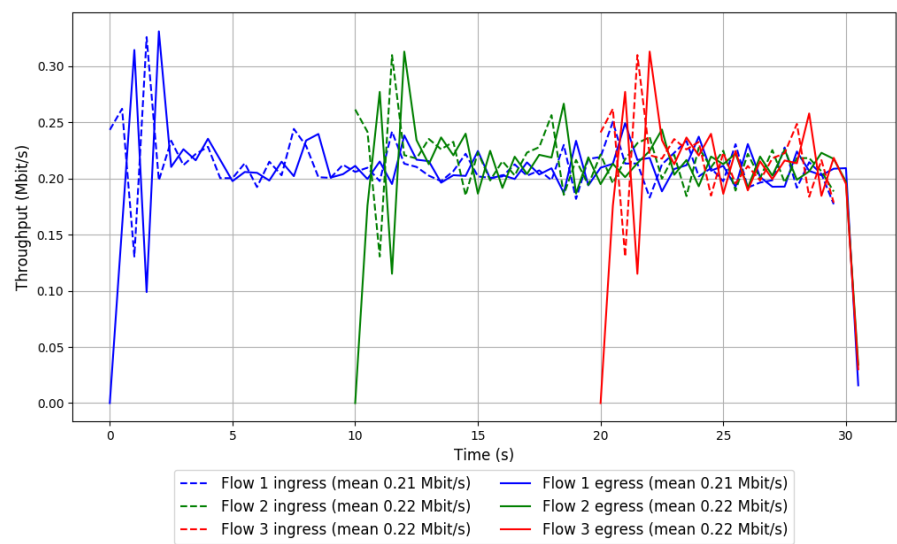


Run 4: Statistics of SReAM

Start at: 2018-05-22 03:39:57
End at: 2018-05-22 03:40:27
Local clock offset: -0.125 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 117.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 117.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.277 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

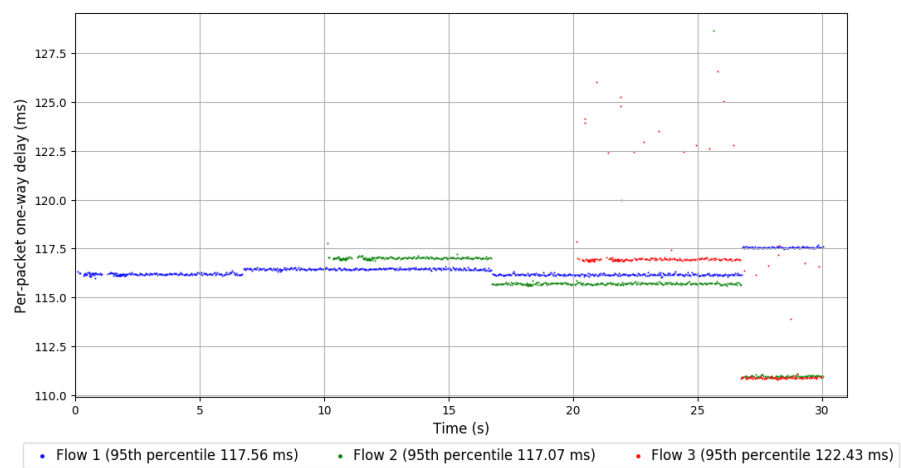
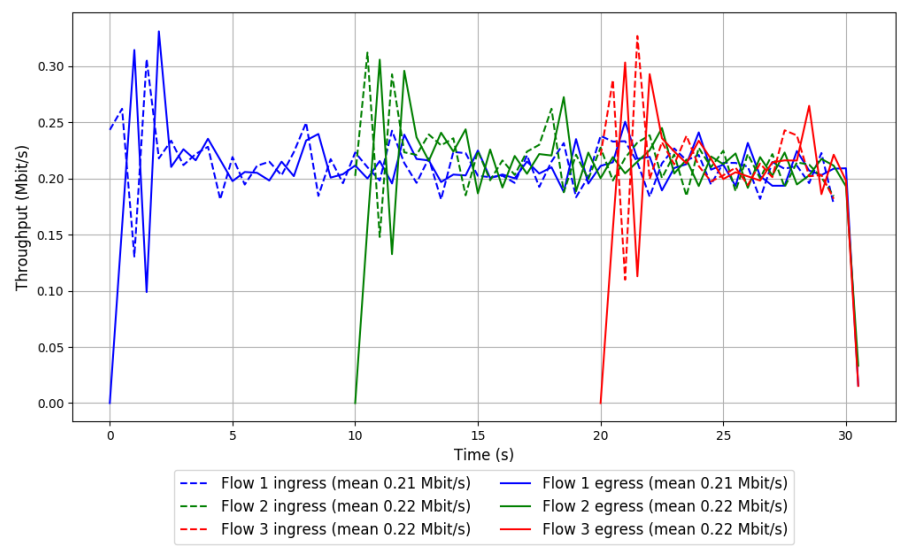


Run 5: Statistics of SReAM

Start at: 2018-05-22 04:03:08
End at: 2018-05-22 04:03:38
Local clock offset: -0.343 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 117.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 117.563 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 122.430 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-05-22 04:26:32

End at: 2018-05-22 04:27:02

Local clock offset: -0.072 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 117.098 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.055 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 116.808 ms

Loss rate: 0.00%

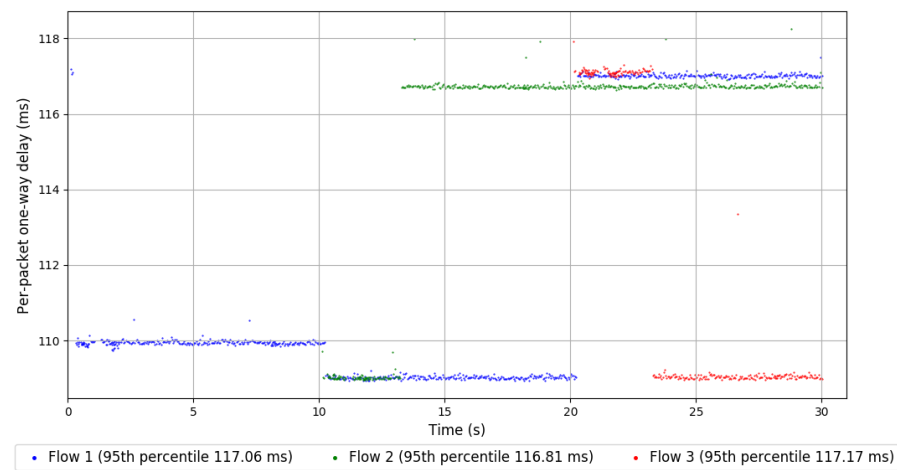
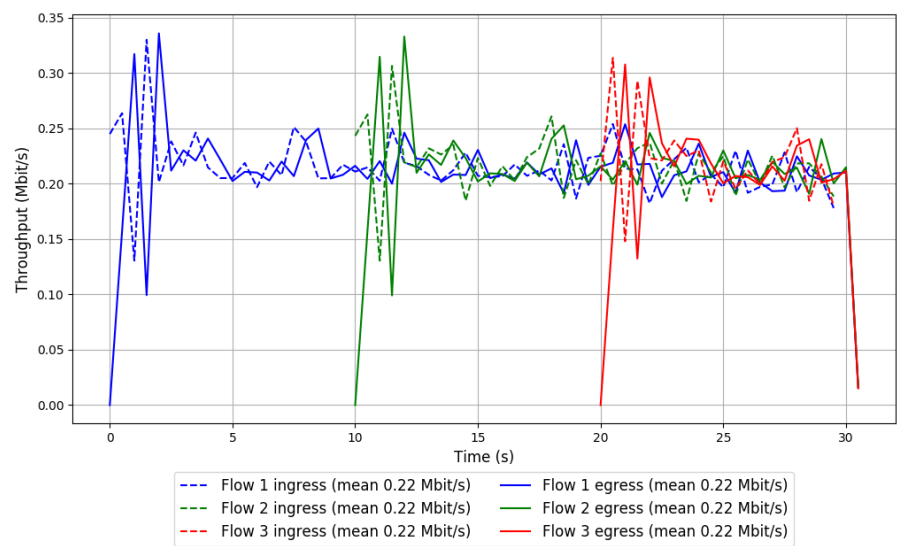
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.175 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

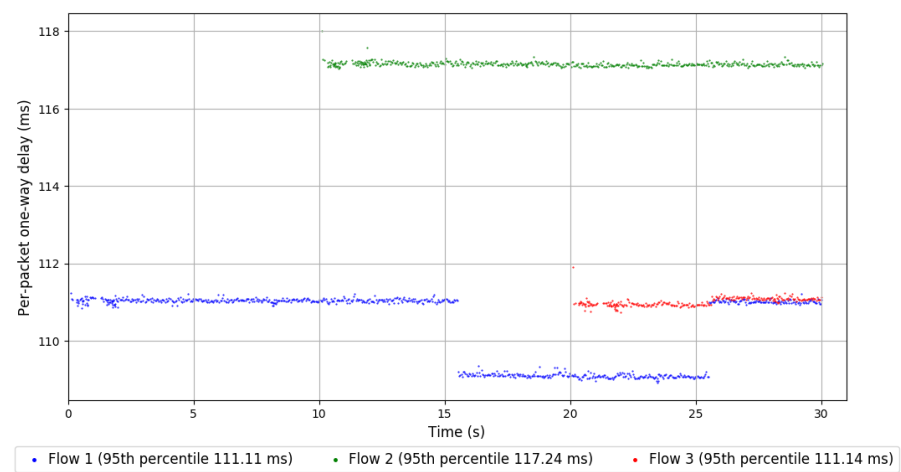
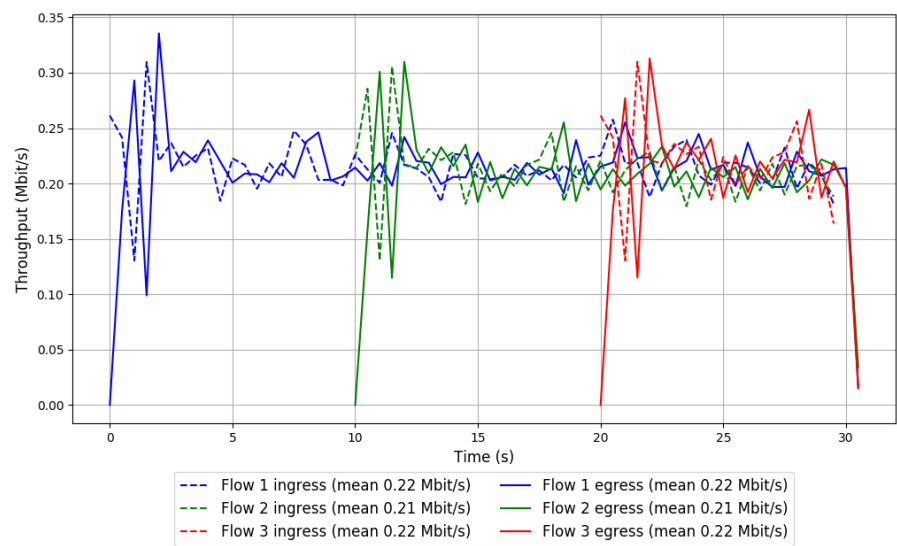


Run 7: Statistics of SReAM

Start at: 2018-05-22 04:49:50
End at: 2018-05-22 04:50:20
Local clock offset: -0.069 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 117.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 117.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.145 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-22 05:12:55

End at: 2018-05-22 05:13:25

Local clock offset: 0.467 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 116.615 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 116.636 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 110.760 ms

Loss rate: 0.00%

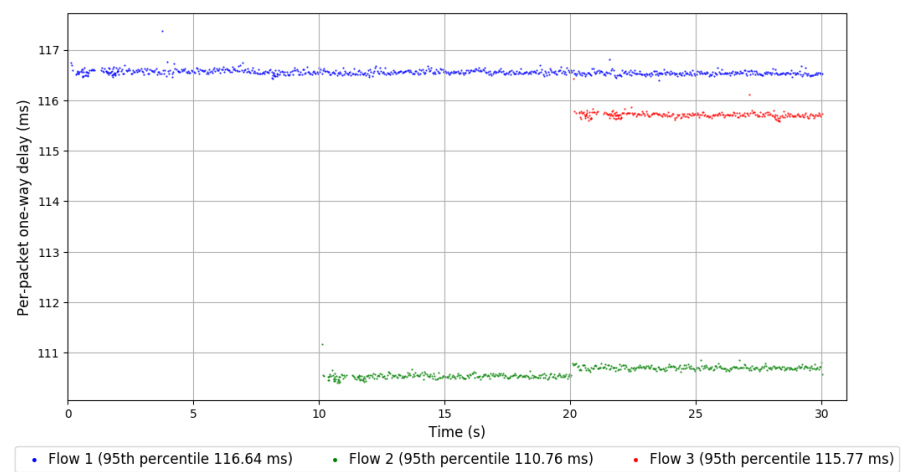
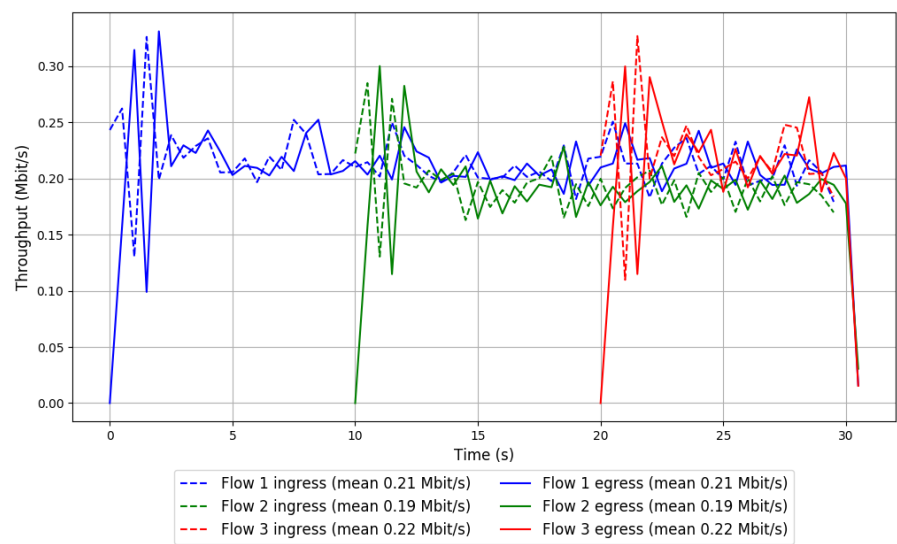
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 115.774 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-05-22 05:36:31

End at: 2018-05-22 05:37:01

Local clock offset: 0.169 ms

Remote clock offset: 0.38 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 117.670 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.696 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.132 ms

Loss rate: 0.00%

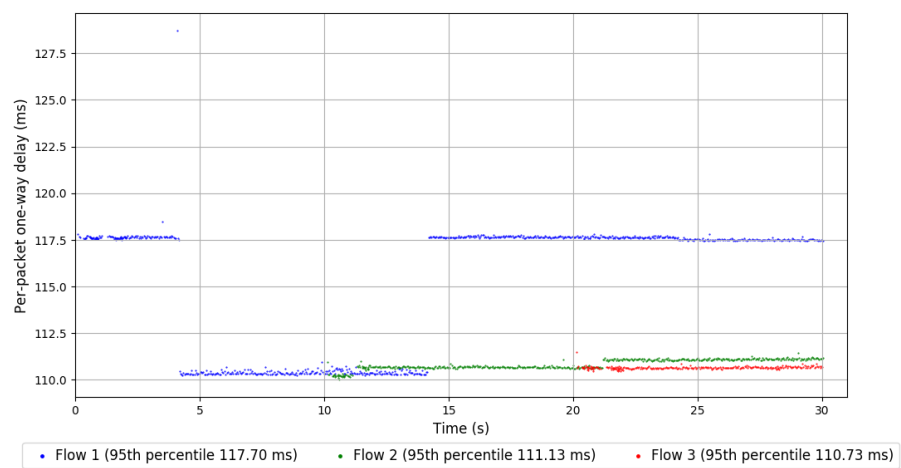
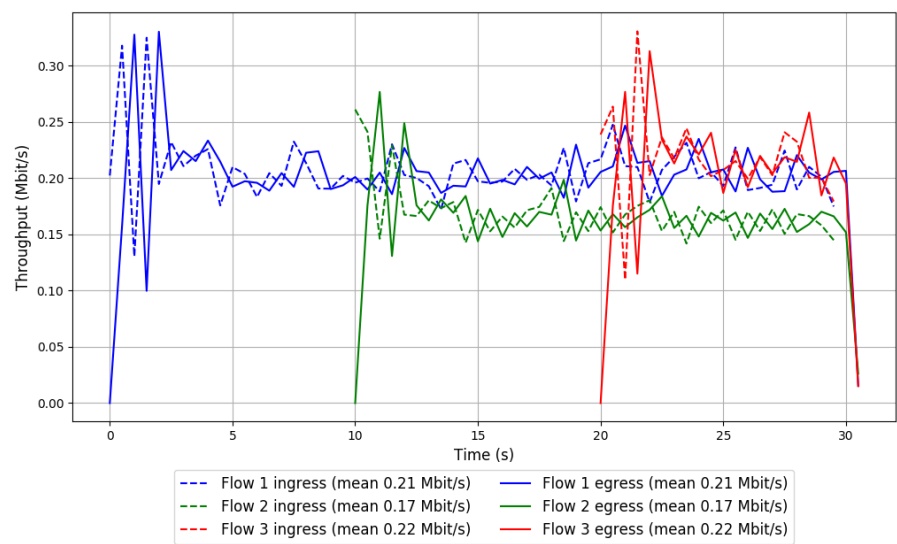
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.732 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

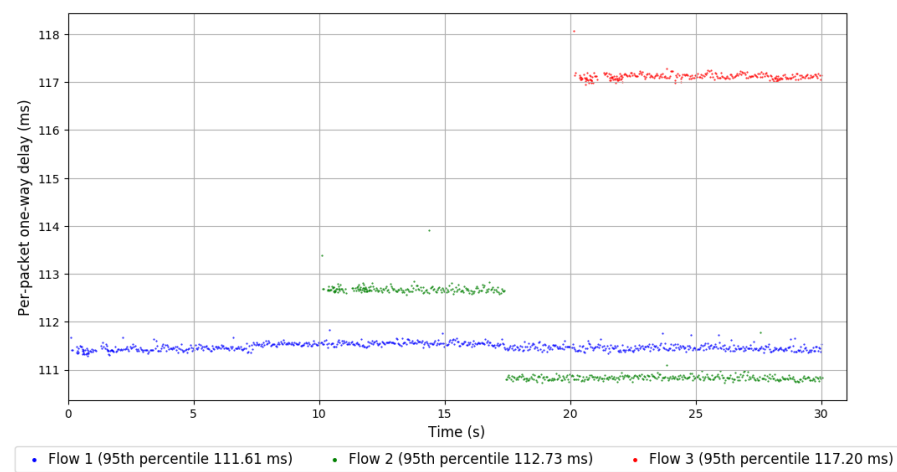
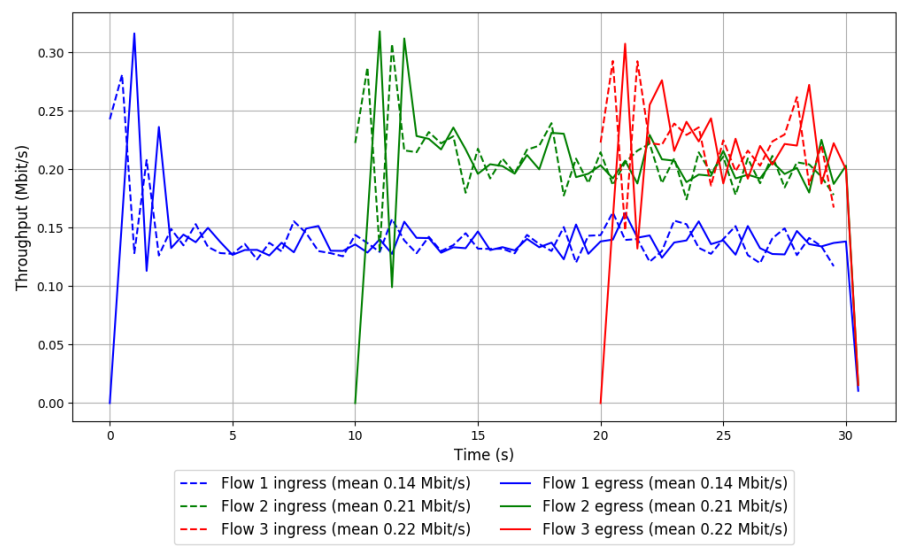


Run 10: Statistics of SReAM

Start at: 2018-05-22 05:59:38
End at: 2018-05-22 06:00:08
Local clock offset: -0.608 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 117.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 111.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.733 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.204 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

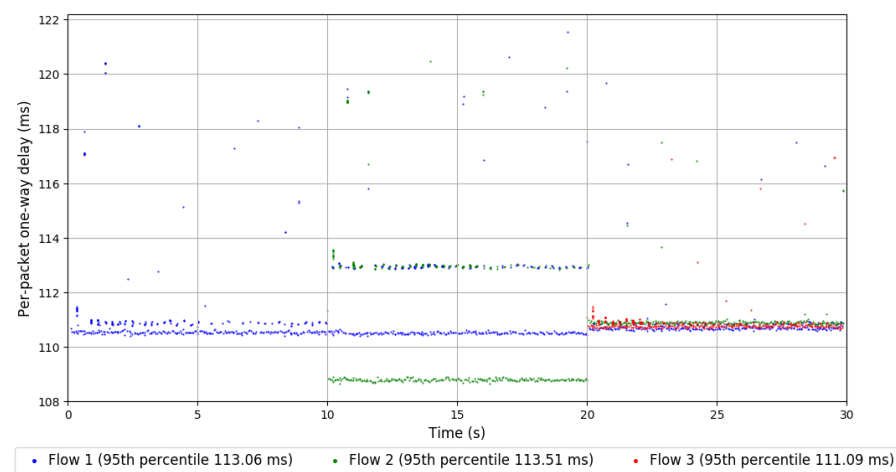
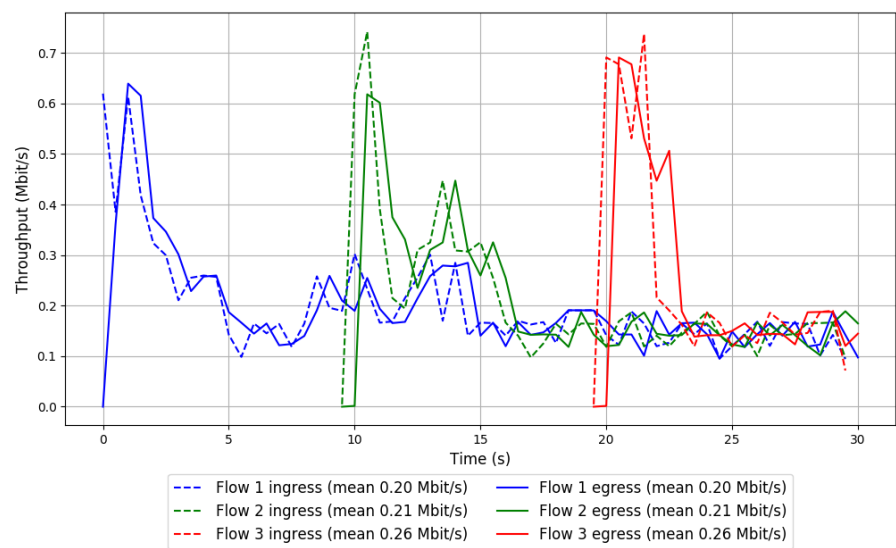


Run 1: Statistics of Sprout

Start at: 2018-05-22 02:19:15
End at: 2018-05-22 02:19:45
Local clock offset: 0.01 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 113.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.087 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

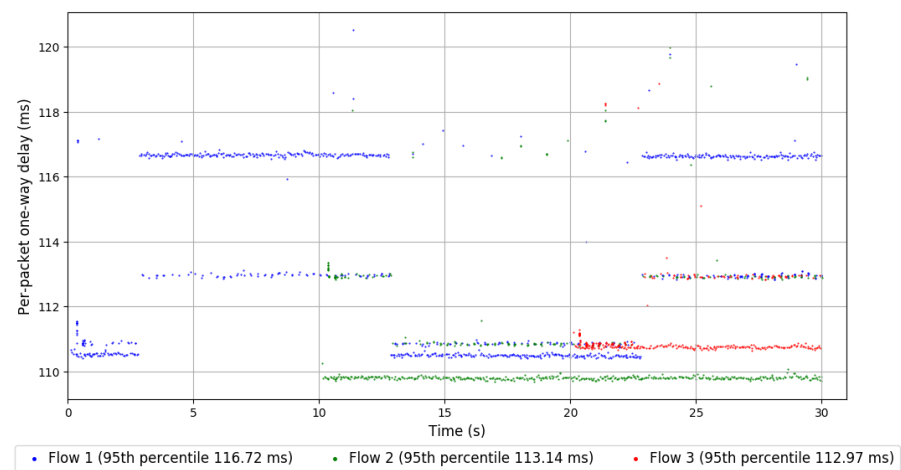
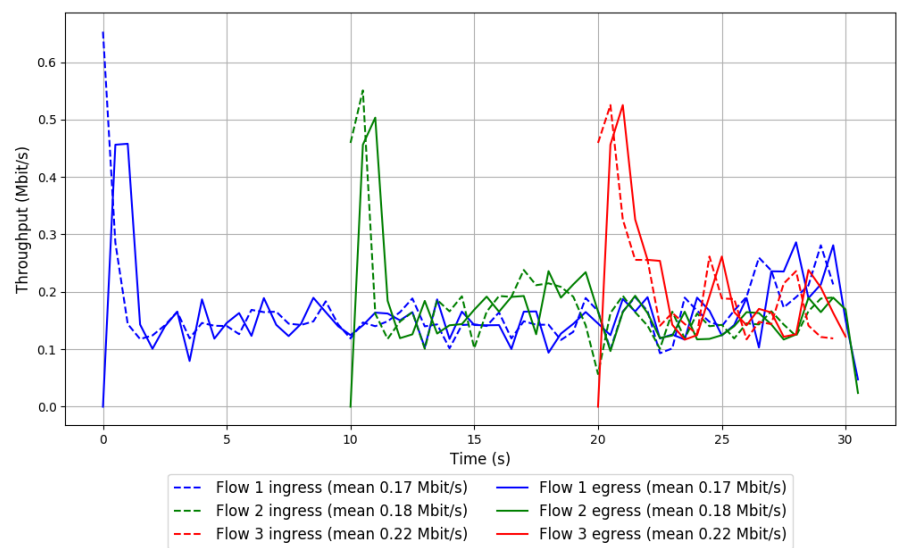


Run 2: Statistics of Sprout

Start at: 2018-05-22 02:42:22
End at: 2018-05-22 02:42:52
Local clock offset: 0.0 ms
Remote clock offset: -0.082 ms

```
# Below is generated by plot.py at 2018-05-22 07:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 116.706 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 116.722 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 113.135 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.974 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

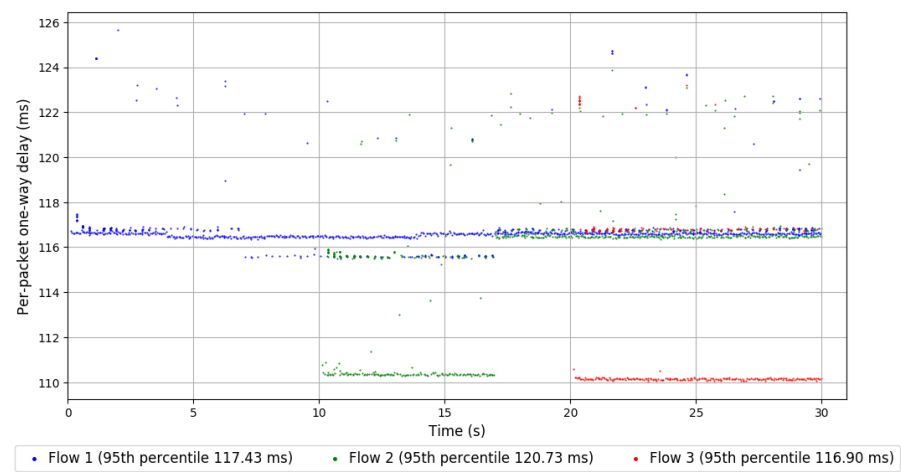
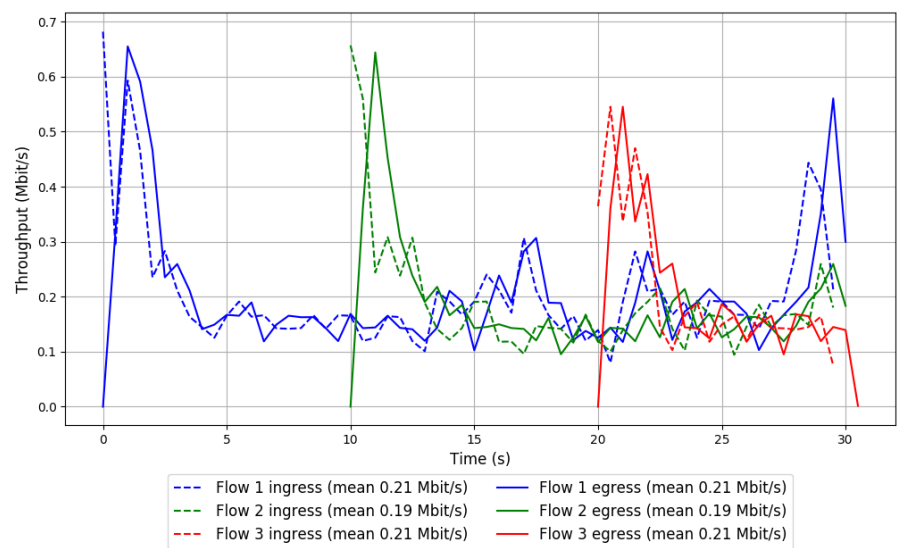


Run 3: Statistics of Sprout

Start at: 2018-05-22 03:05:18
End at: 2018-05-22 03:05:48
Local clock offset: 0.103 ms
Remote clock offset: -0.453 ms

```
# Below is generated by plot.py at 2018-05-22 07:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 119.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 117.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 120.732 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 116.896 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-22 03:28:34

End at: 2018-05-22 03:29:04

Local clock offset: 0.326 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 117.180 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 117.164 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 117.402 ms

Loss rate: 0.00%

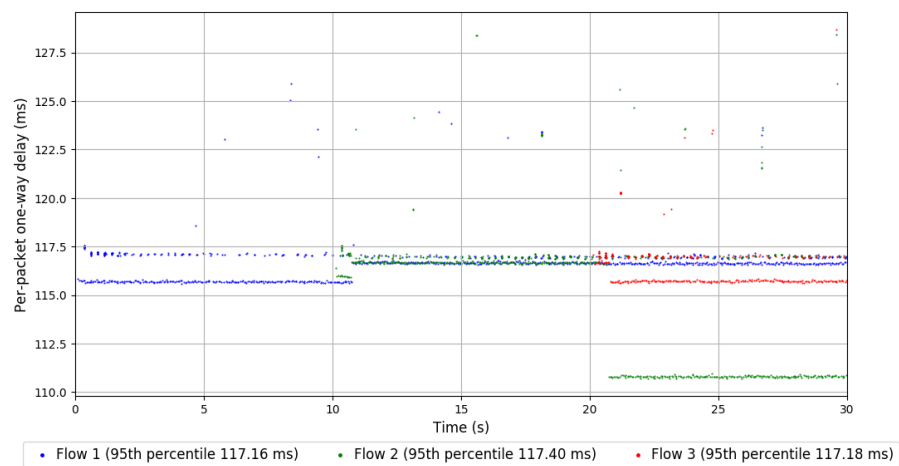
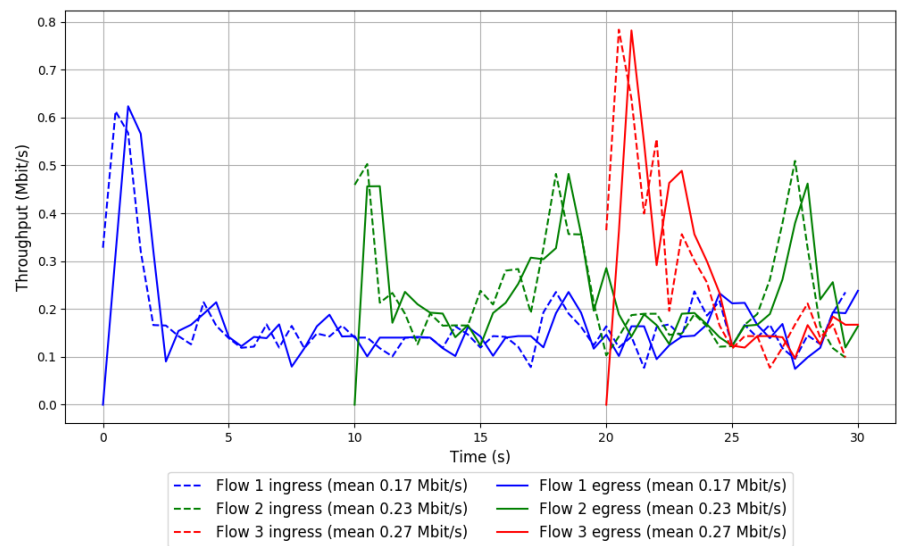
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 117.182 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

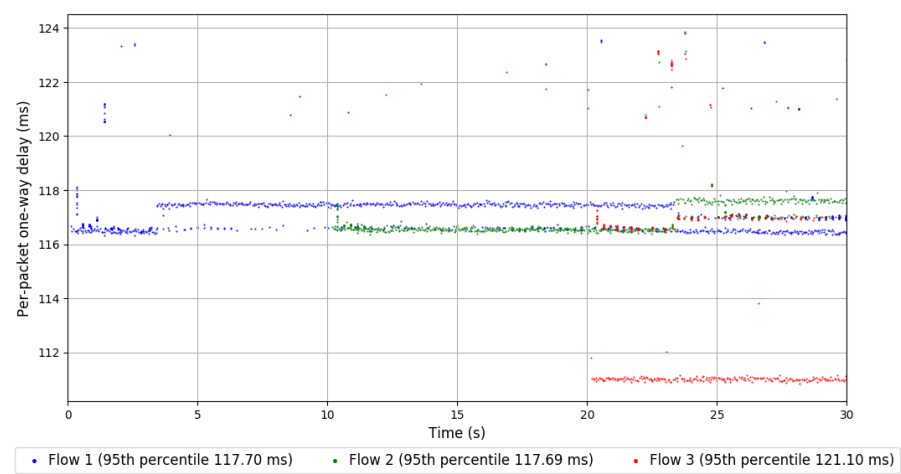
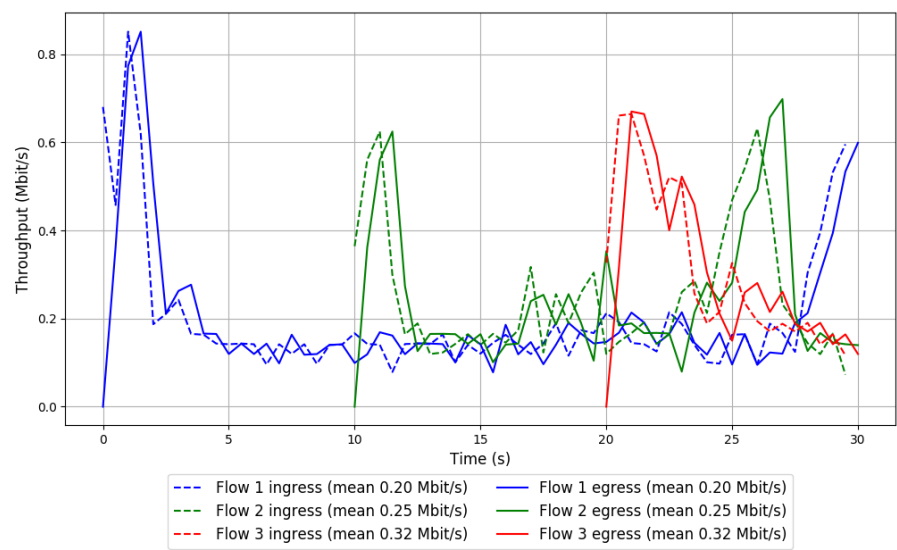


Run 5: Statistics of Sprout

Start at: 2018-05-22 03:51:32
End at: 2018-05-22 03:52:02
Local clock offset: -0.011 ms
Remote clock offset: 0.409 ms

```
# Below is generated by plot.py at 2018-05-22 07:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 117.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 117.699 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 117.693 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 121.103 ms
Loss rate: 0.00%
```


Run 5: Report of Sprout — Data Link

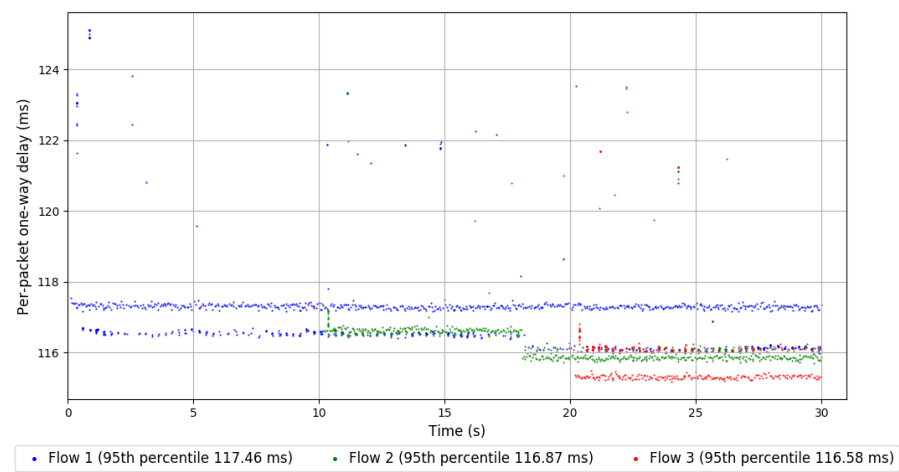
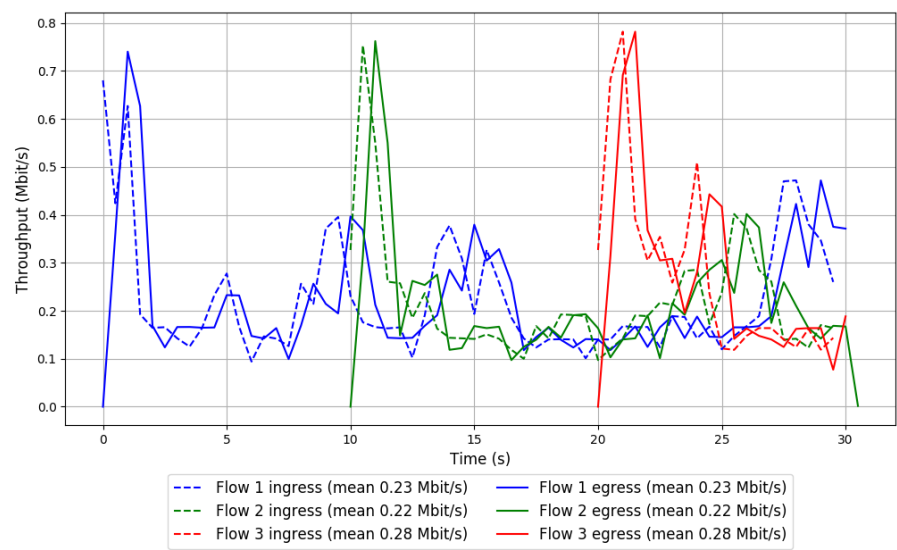


Run 6: Statistics of Sprout

Start at: 2018-05-22 04:15:17
End at: 2018-05-22 04:15:47
Local clock offset: -0.025 ms
Remote clock offset: -0.04 ms

```
# Below is generated by plot.py at 2018-05-22 07:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 117.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 117.456 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.871 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 116.581 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

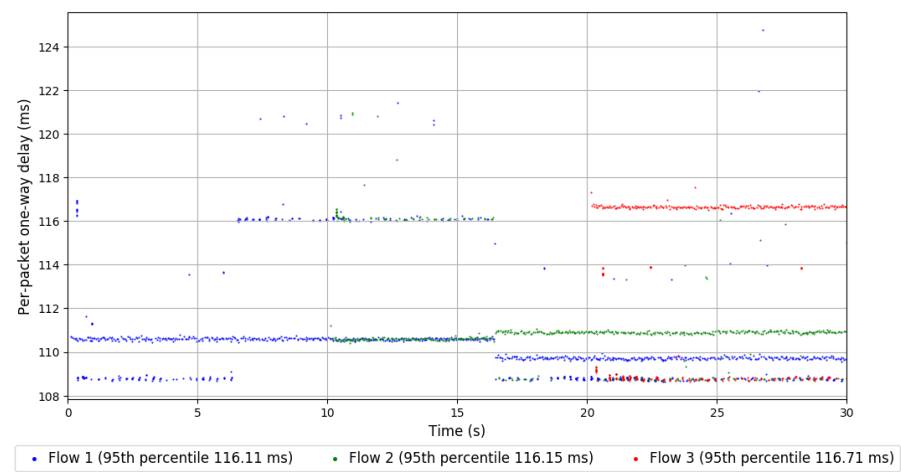
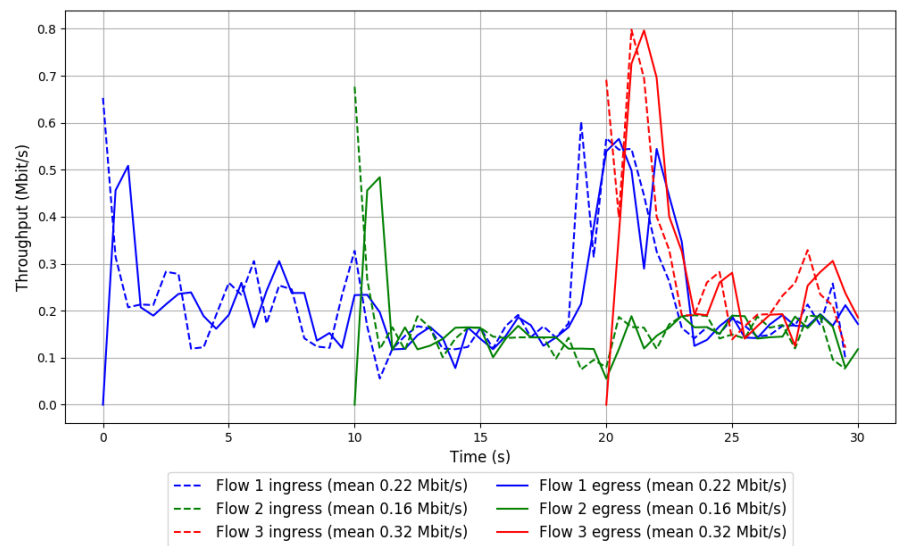


Run 7: Statistics of Sprout

Start at: 2018-05-22 04:38:09
End at: 2018-05-22 04:38:39
Local clock offset: 0.044 ms
Remote clock offset: -0.013 ms

```
# Below is generated by plot.py at 2018-05-22 07:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 116.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 116.154 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 116.712 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-22 05:01:32

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

Local clock offset: 0.072 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 117.233 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.416 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 117.288 ms

Loss rate: 0.00%

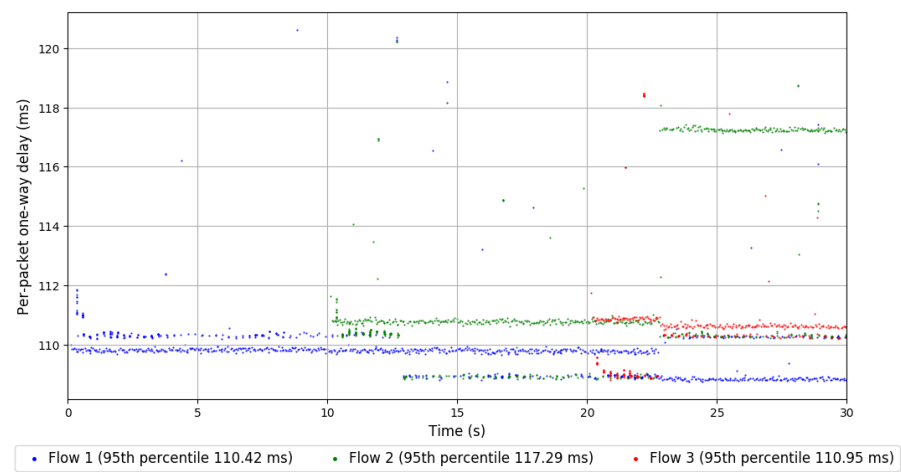
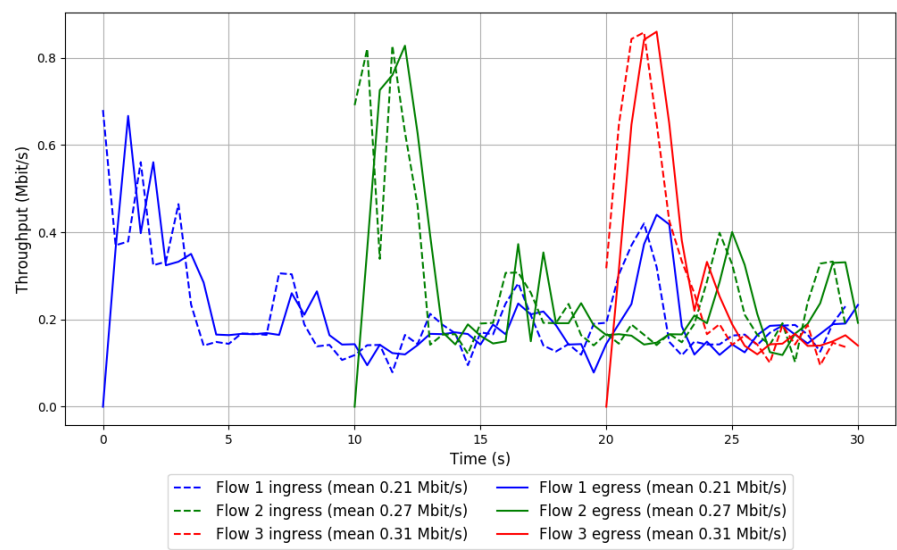
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 110.954 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

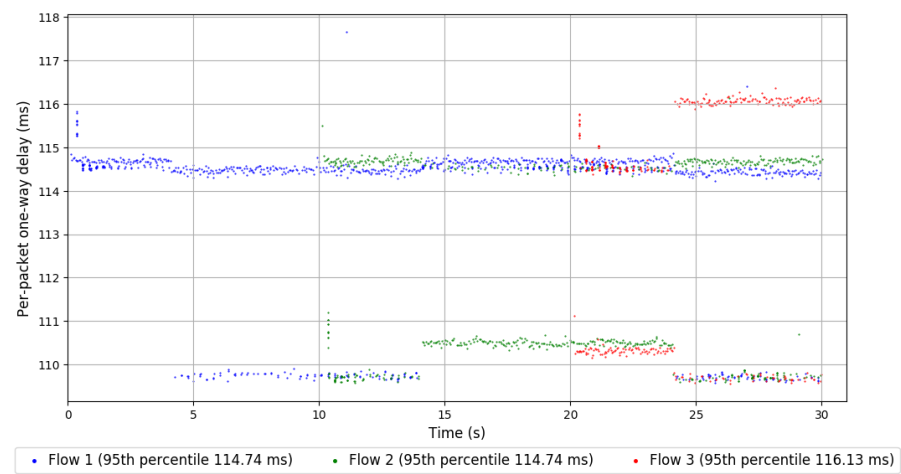
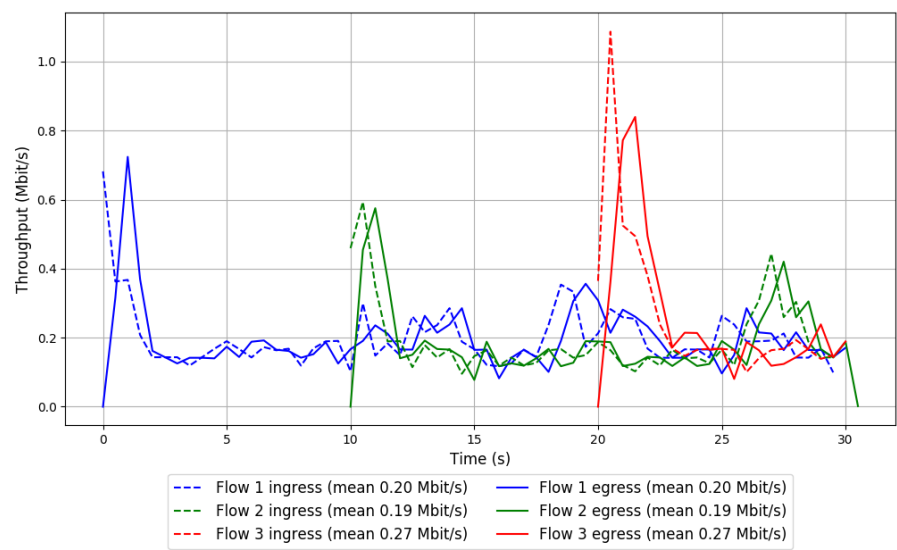


Run 9: Statistics of Sprout

Start at: 2018-05-22 05:24:51
End at: 2018-05-22 05:25:21
Local clock offset: 0.523 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 116.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 114.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 114.738 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 116.126 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

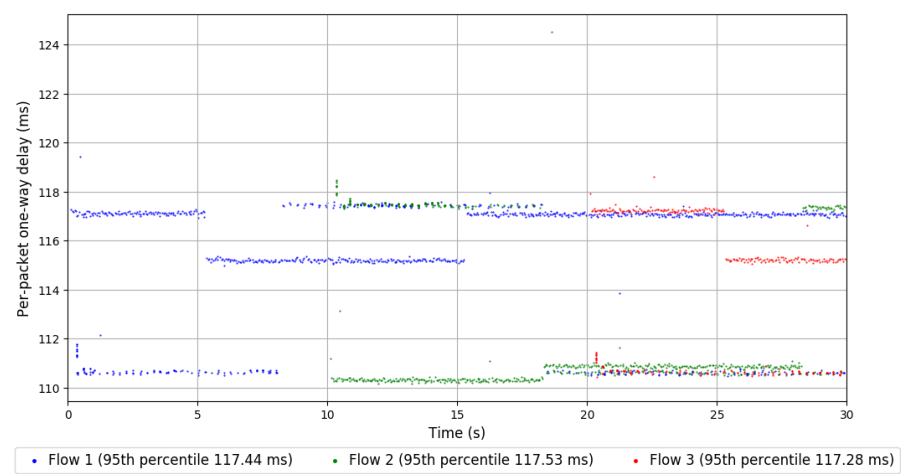
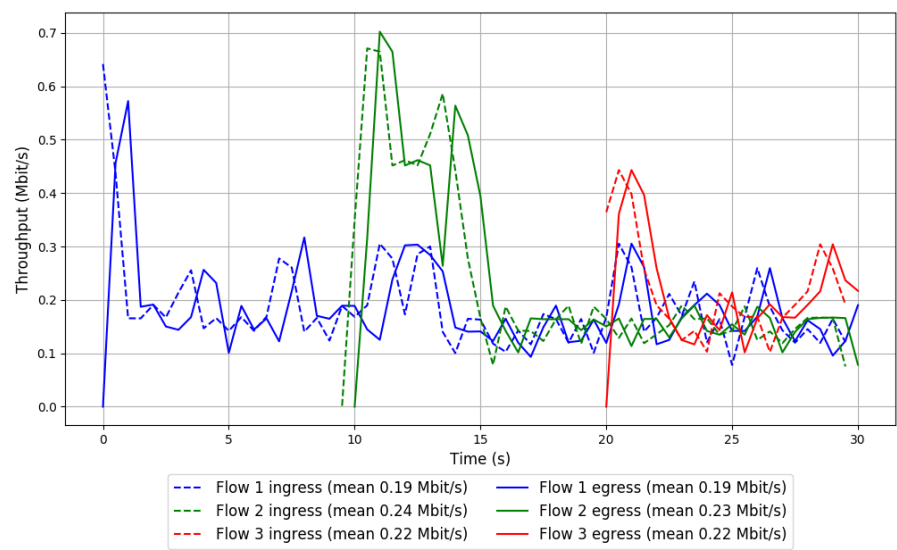


Run 10: Statistics of Sprout

Start at: 2018-05-22 05:48:17
End at: 2018-05-22 05:48:47
Local clock offset: -0.246 ms
Remote clock offset: -0.051 ms

```
# Below is generated by plot.py at 2018-05-22 07:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 117.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 117.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 117.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.278 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

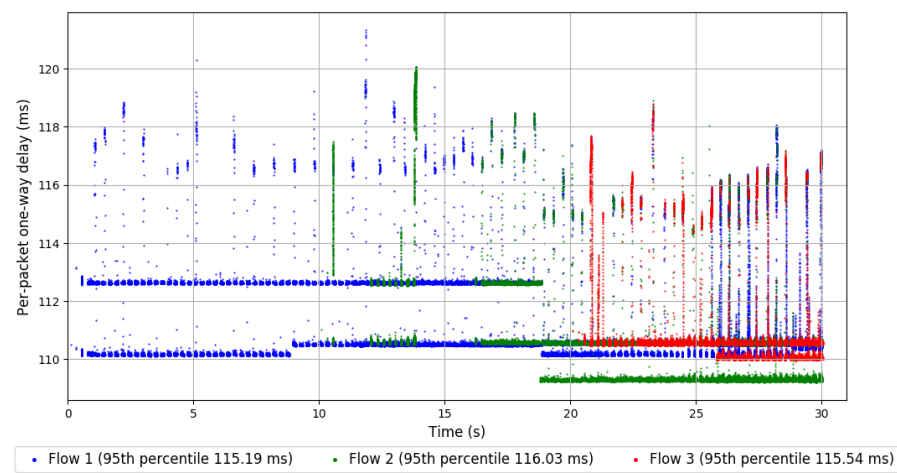
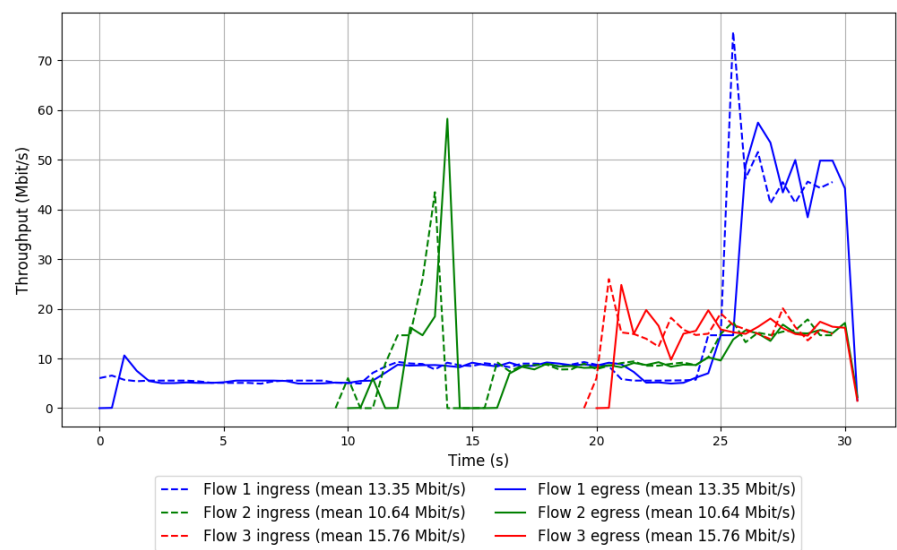


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 02:24:36
End at: 2018-05-22 02:25:06
Local clock offset: 0.228 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 115.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 115.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 116.030 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 115.544 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 02:47:45

End at: 2018-05-22 02:48:15

Local clock offset: -0.031 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-05-22 07:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.56 Mbit/s

95th percentile per-packet one-way delay: 122.855 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 121.786 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.82 Mbit/s

95th percentile per-packet one-way delay: 119.715 ms

Loss rate: 0.00%

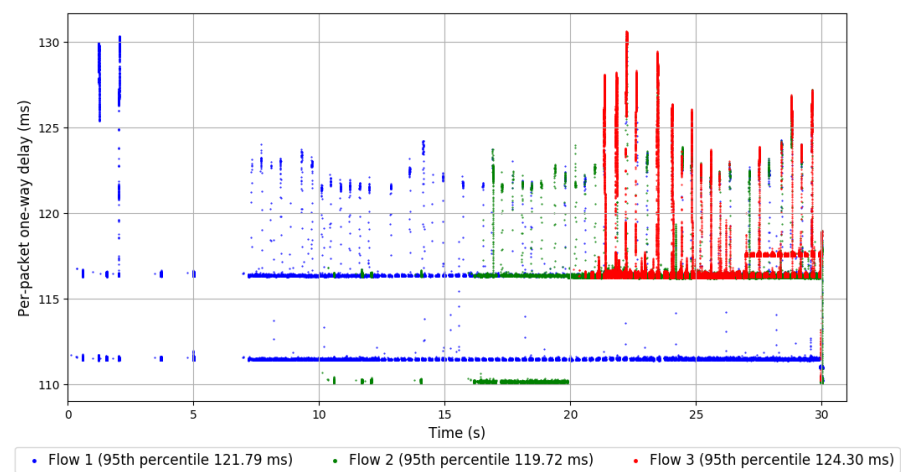
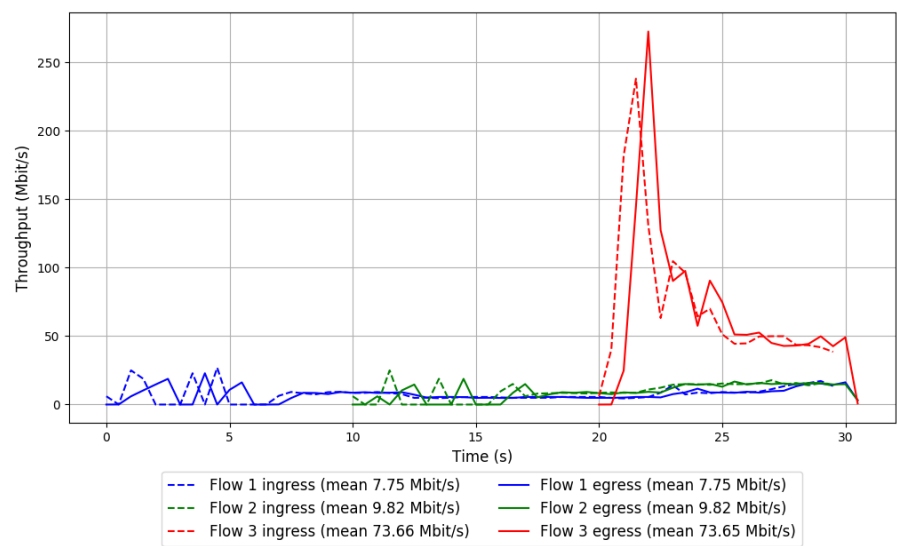
-- Flow 3:

Average throughput: 73.65 Mbit/s

95th percentile per-packet one-way delay: 124.300 ms

Loss rate: 0.00%

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

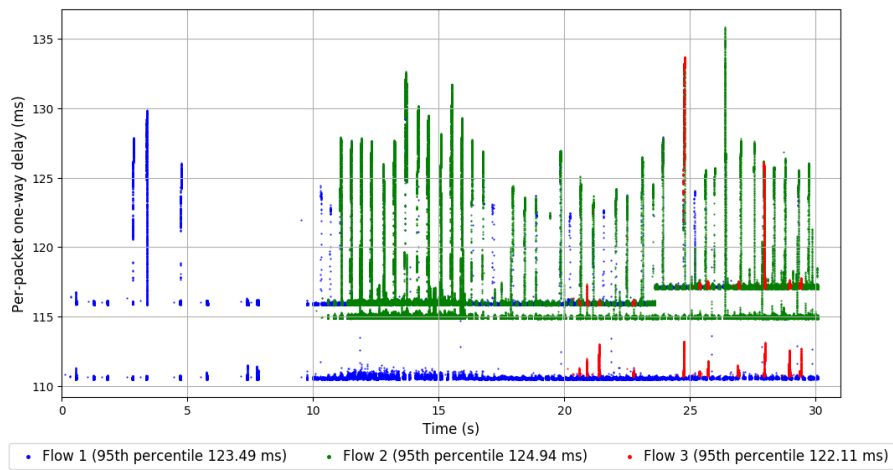
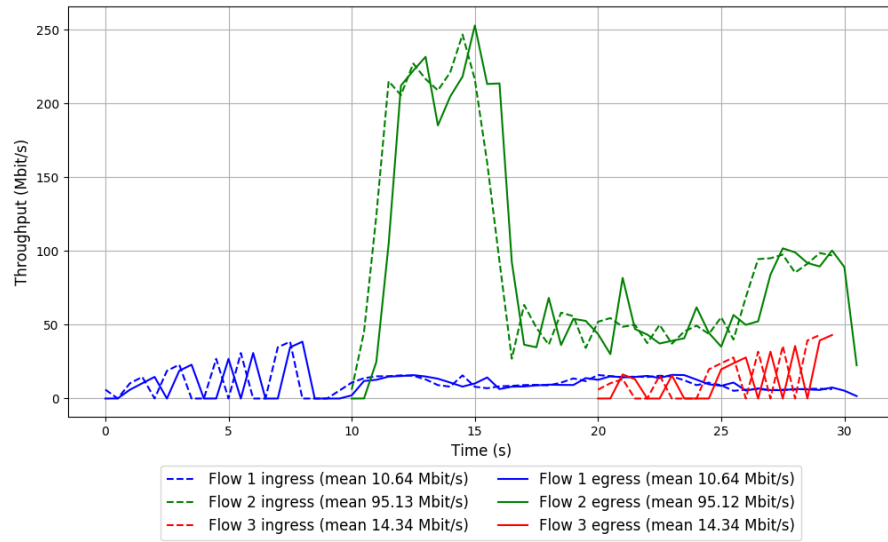


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 03:10:52
End at: 2018-05-22 03:11:22
Local clock offset: 0.067 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-22 07:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.44 Mbit/s
95th percentile per-packet one-way delay: 124.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 123.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 124.936 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 122.111 ms
Loss rate: 0.00%

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

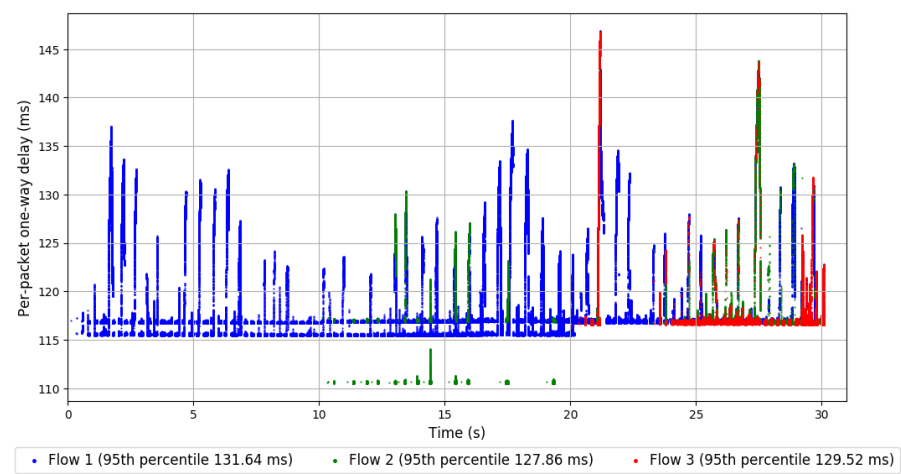
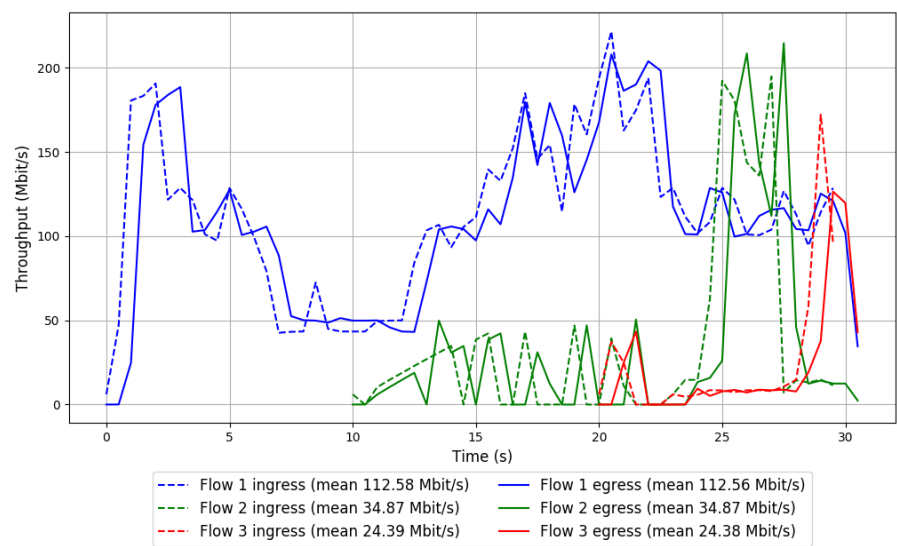


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 03:33:55
End at: 2018-05-22 03:34:25
Local clock offset: 0.329 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-22 07:28:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.83 Mbit/s
95th percentile per-packet one-way delay: 131.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.56 Mbit/s
95th percentile per-packet one-way delay: 131.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 127.855 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 129.518 ms
Loss rate: 0.06%

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

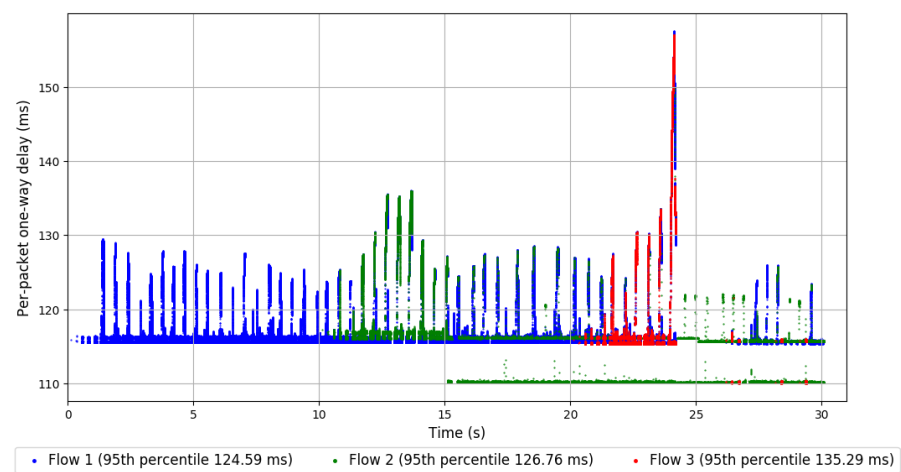
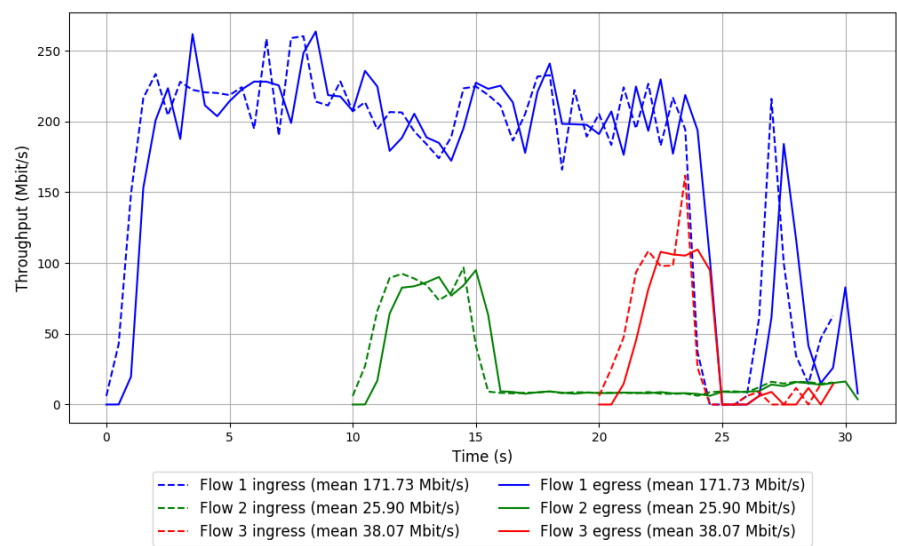


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 03:57:00
End at: 2018-05-22 03:57:30
Local clock offset: 0.239 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-22 07:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.62 Mbit/s
95th percentile per-packet one-way delay: 125.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.73 Mbit/s
95th percentile per-packet one-way delay: 124.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 126.759 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 135.288 ms
Loss rate: 0.00%

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

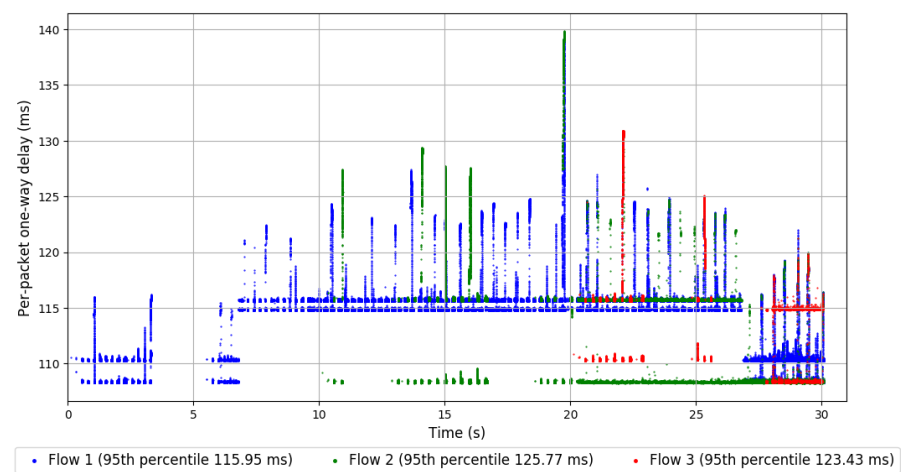
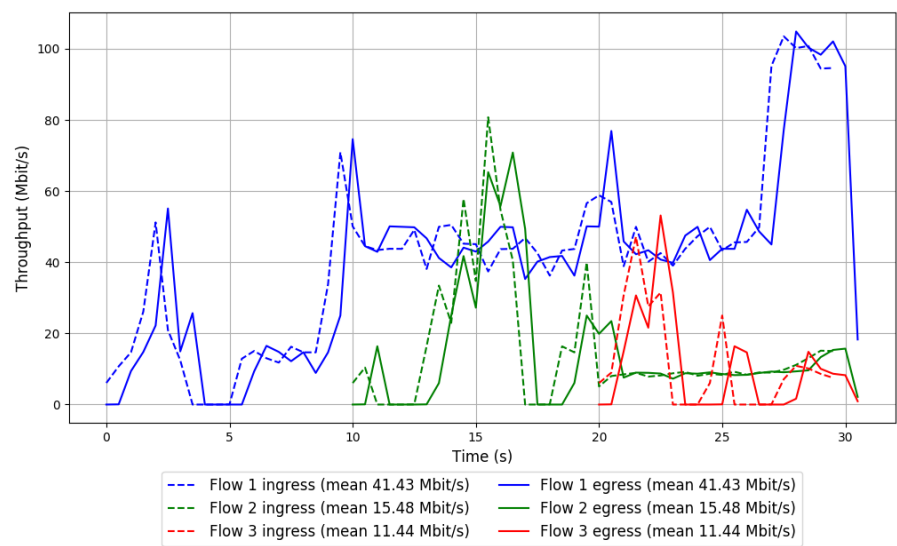


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 04:20:38
End at: 2018-05-22 04:21:08
Local clock offset: -0.096 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-05-22 07:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 118.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 115.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 125.774 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 123.430 ms
Loss rate: 0.00%

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

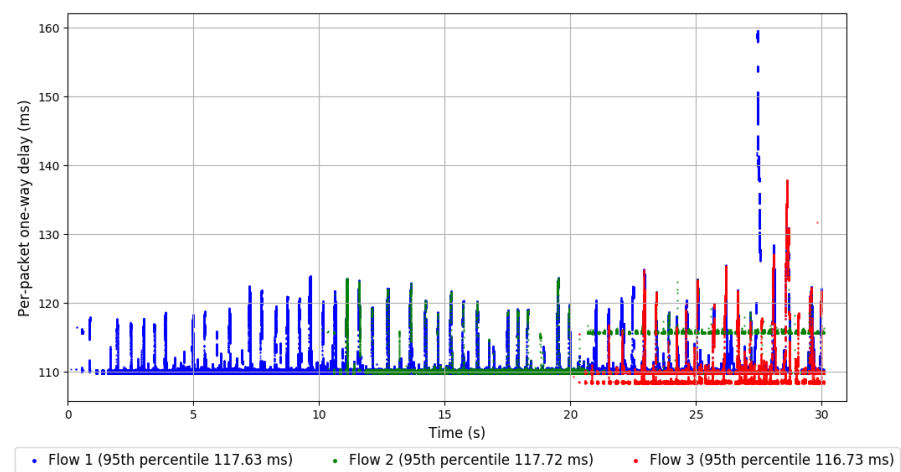
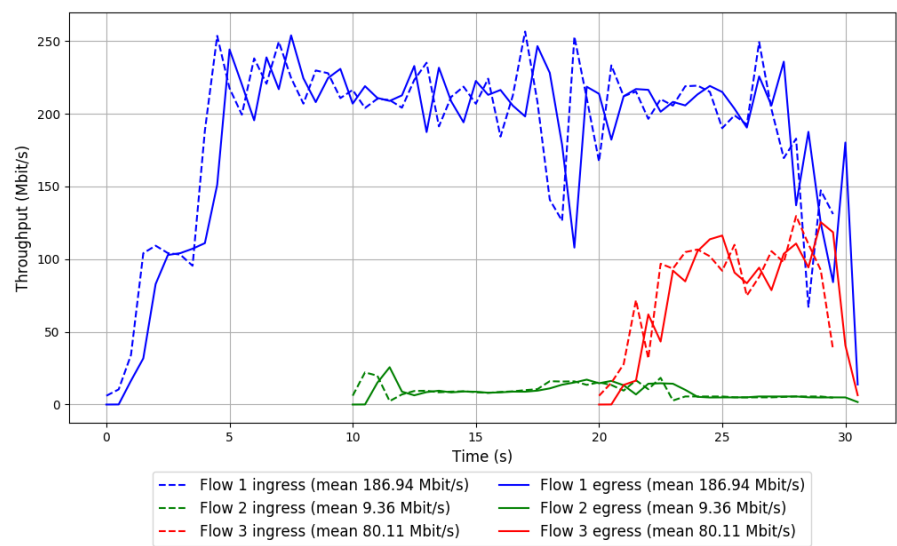


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 04:43:35
End at: 2018-05-22 04:44:05
Local clock offset: 0.344 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-22 07:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.77 Mbit/s
95th percentile per-packet one-way delay: 117.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.94 Mbit/s
95th percentile per-packet one-way delay: 117.632 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 117.717 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 116.726 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 05:07:02

End at: 2018-05-22 05:07:32

Local clock offset: 0.307 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-05-22 07:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.73 Mbit/s

95th percentile per-packet one-way delay: 117.120 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 117.091 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 115.728 ms

Loss rate: 0.00%

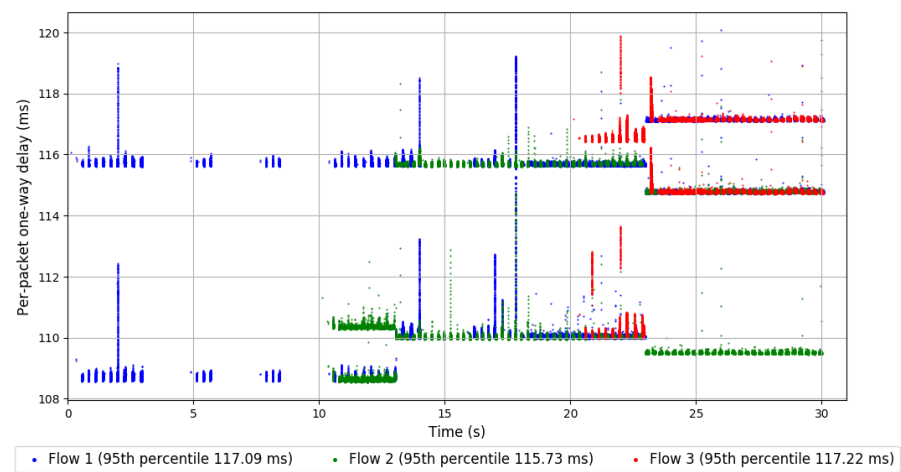
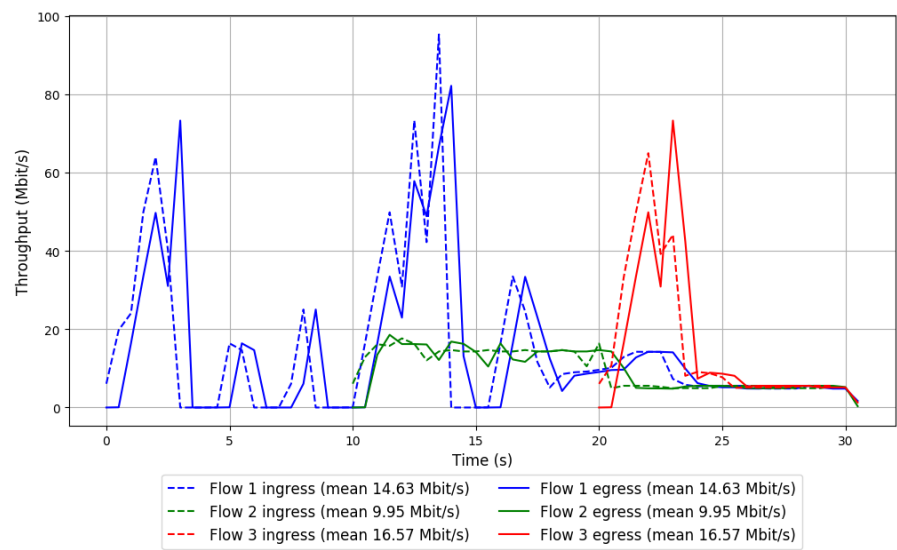
-- Flow 3:

Average throughput: 16.57 Mbit/s

95th percentile per-packet one-way delay: 117.216 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 05:30:20

End at: 2018-05-22 05:30:50

Local clock offset: -0.145 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-05-22 07:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.80 Mbit/s

95th percentile per-packet one-way delay: 117.540 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 117.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 194.89 Mbit/s

95th percentile per-packet one-way delay: 116.404 ms

Loss rate: 0.00%

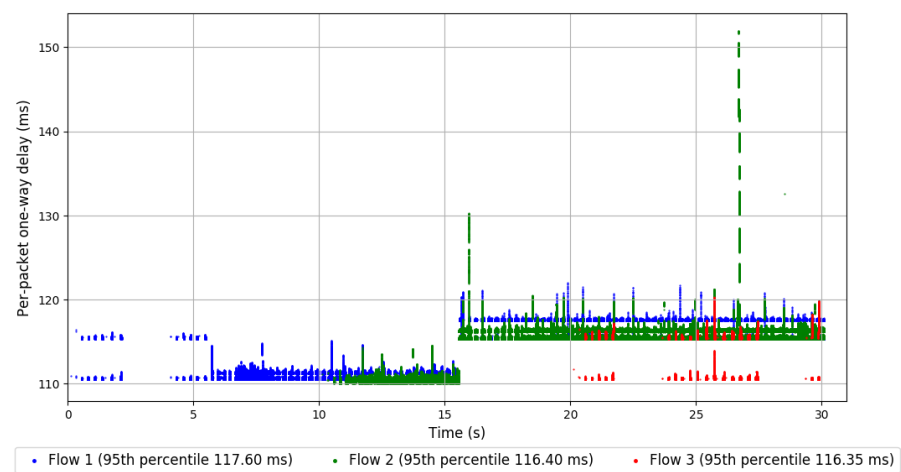
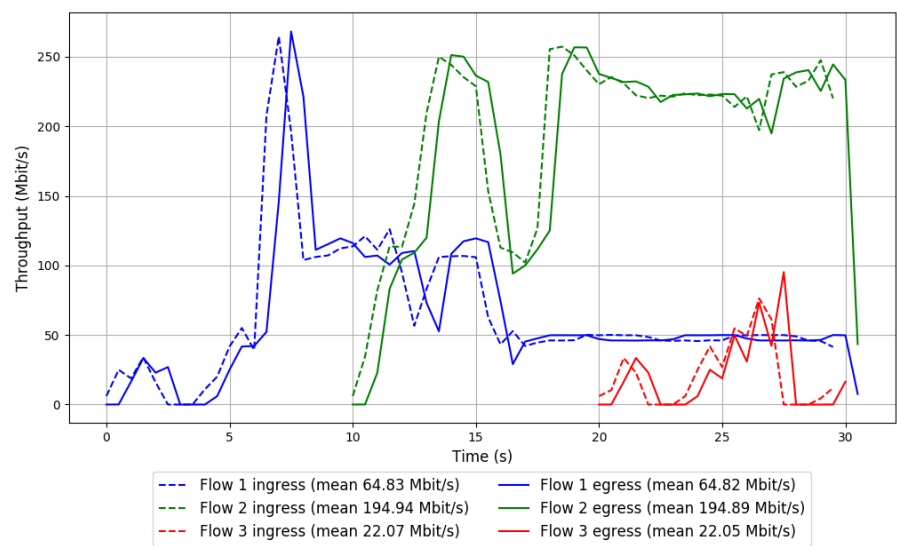
-- Flow 3:

Average throughput: 22.05 Mbit/s

95th percentile per-packet one-way delay: 116.350 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 05:53:40

End at: 2018-05-22 05:54:10

Local clock offset: -0.374 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-22 07:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.16 Mbit/s

95th percentile per-packet one-way delay: 115.272 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 120.228 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 199.14 Mbit/s

95th percentile per-packet one-way delay: 111.709 ms

Loss rate: 0.00%

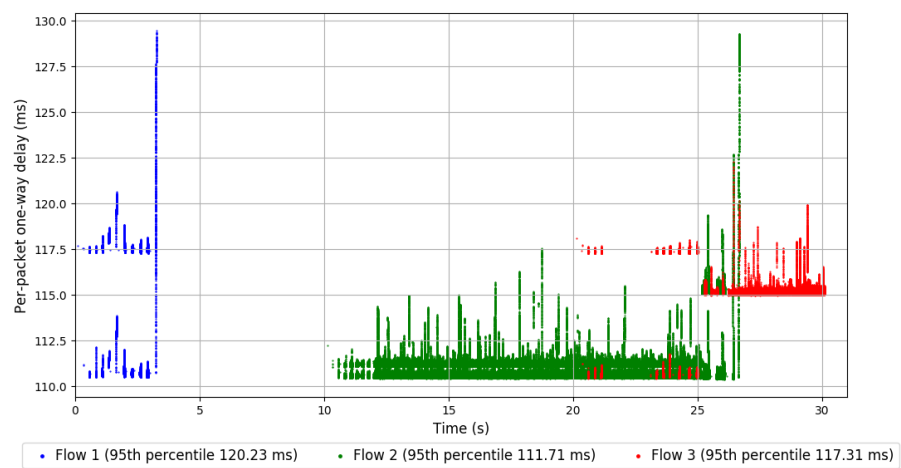
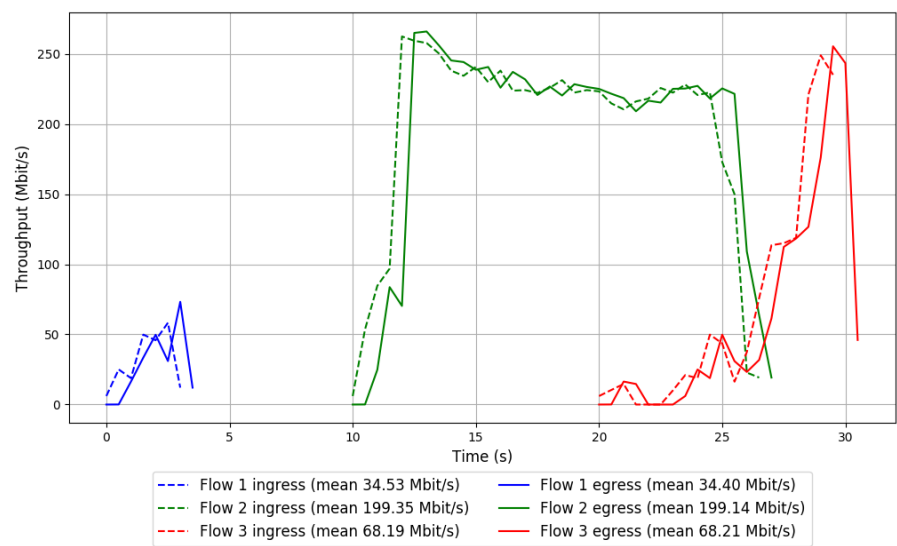
-- Flow 3:

Average throughput: 68.21 Mbit/s

95th percentile per-packet one-way delay: 117.310 ms

Loss rate: 0.00%

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

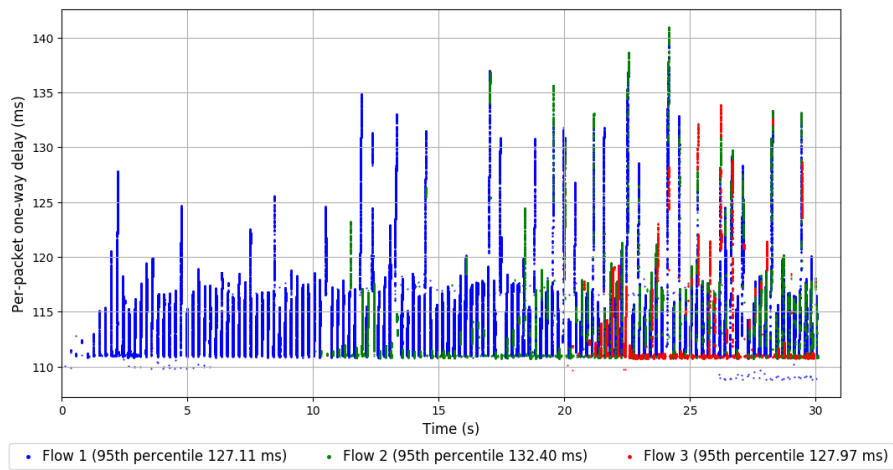
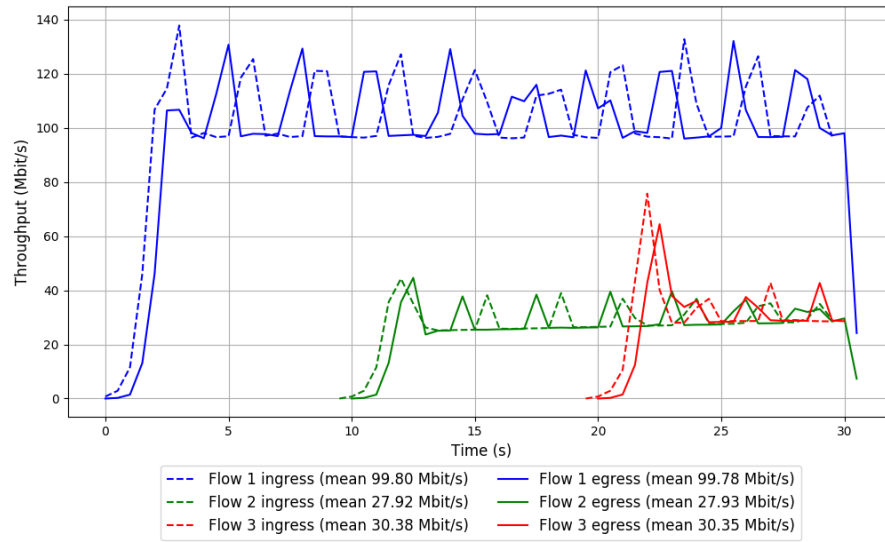


Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 02:16:39
End at: 2018-05-22 02:17:09
Local clock offset: -0.053 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-22 07:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.29 Mbit/s
95th percentile per-packet one-way delay: 127.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.78 Mbit/s
95th percentile per-packet one-way delay: 127.113 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 132.403 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 127.965 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

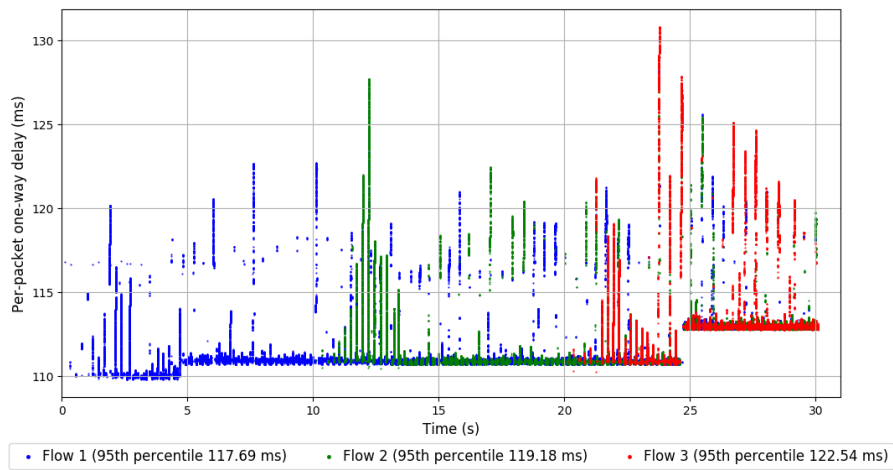
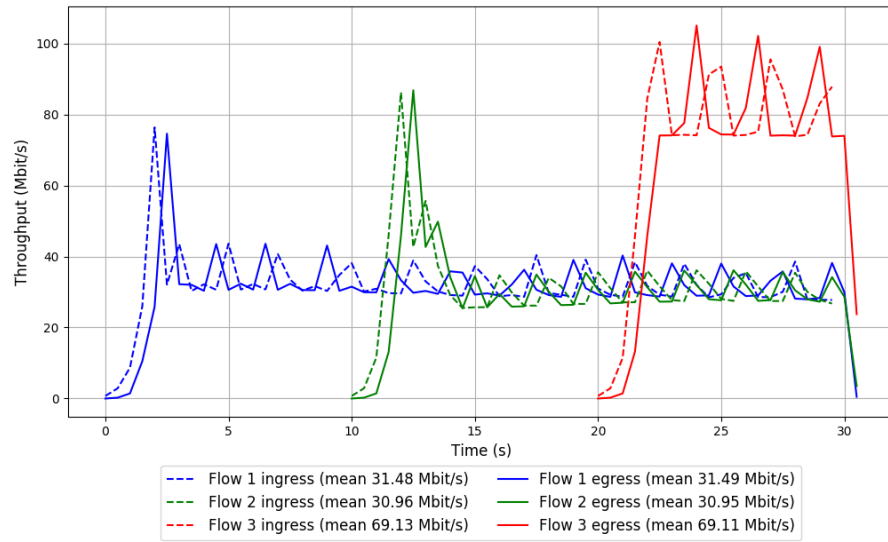


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 02:39:51
End at: 2018-05-22 02:40:21
Local clock offset: 0.022 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-22 07:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 119.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 117.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 119.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.11 Mbit/s
95th percentile per-packet one-way delay: 122.543 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

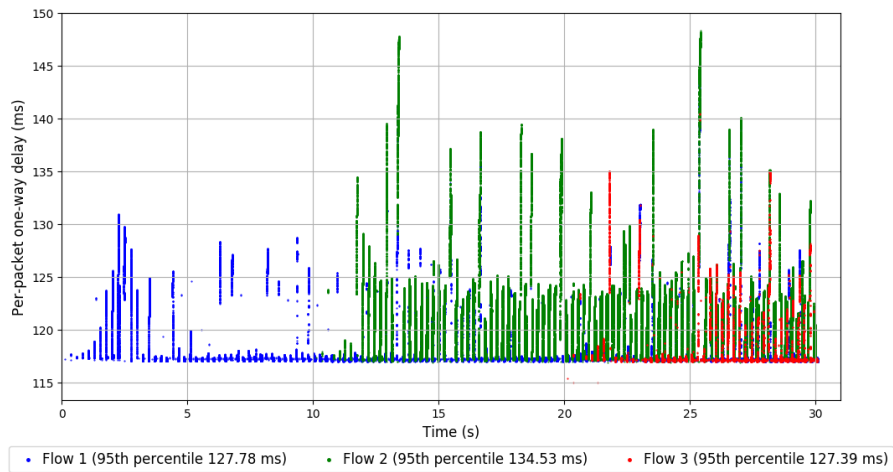
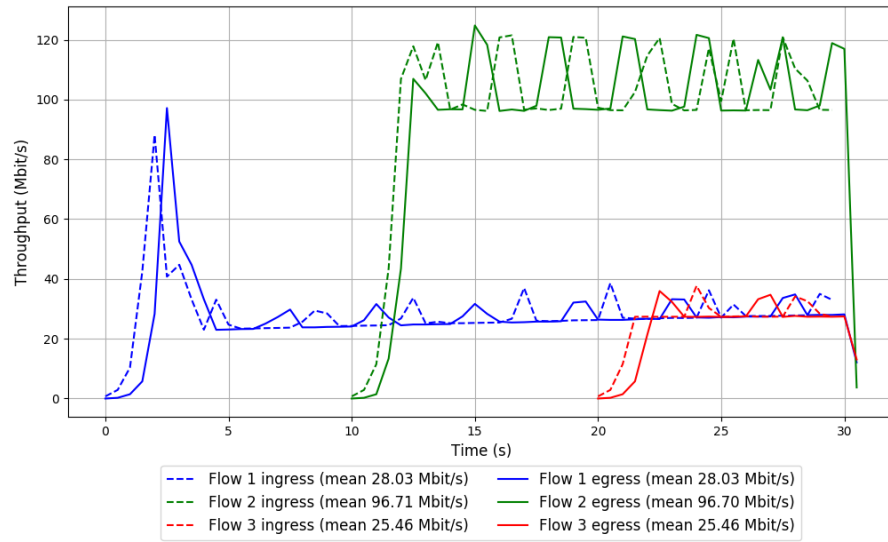


Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 03:02:45
End at: 2018-05-22 03:03:15
Local clock offset: 0.061 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-22 07:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.58 Mbit/s
95th percentile per-packet one-way delay: 131.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 127.778 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 134.526 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 127.394 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

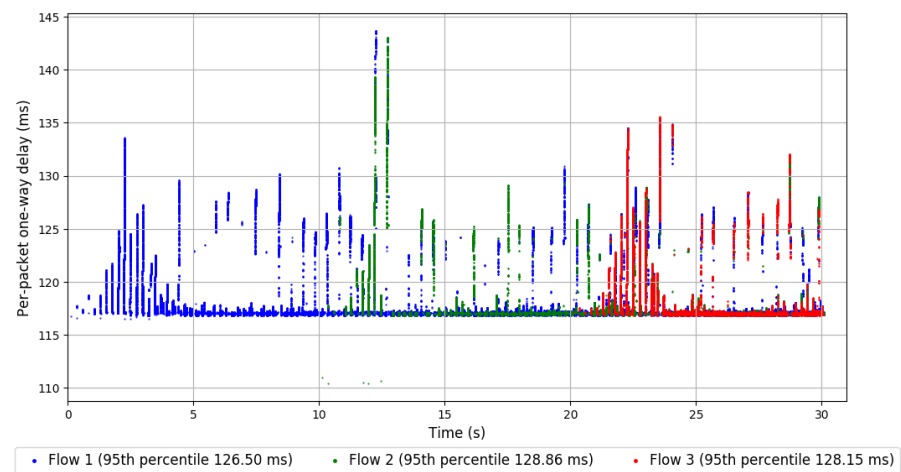
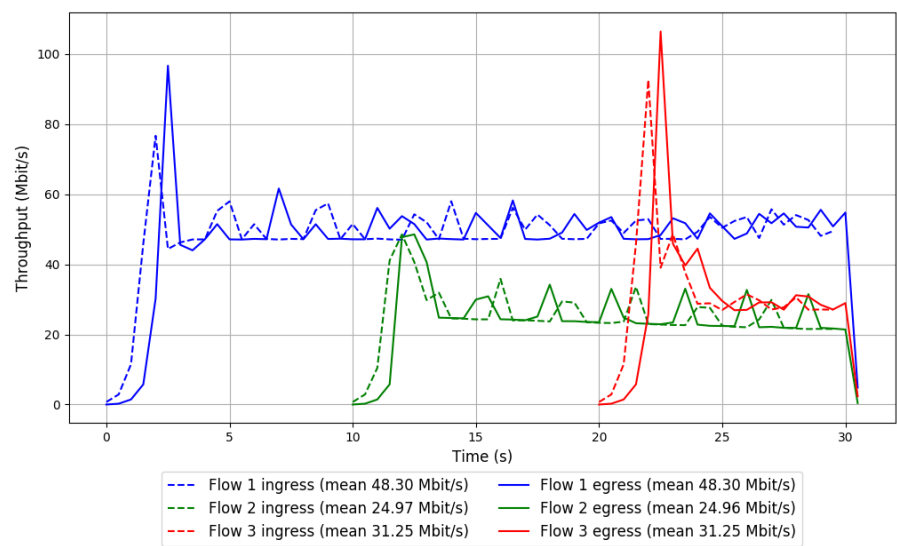


Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 03:26:02
End at: 2018-05-22 03:26:32
Local clock offset: 0.253 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-22 07:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.29 Mbit/s
95th percentile per-packet one-way delay: 127.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 126.496 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 128.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 128.153 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 03:49:00

End at: 2018-05-22 03:49:30

Local clock offset: 0.223 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-22 07:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.12 Mbit/s

95th percentile per-packet one-way delay: 124.209 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.22 Mbit/s

95th percentile per-packet one-way delay: 124.740 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.18 Mbit/s

95th percentile per-packet one-way delay: 124.308 ms

Loss rate: 0.00%

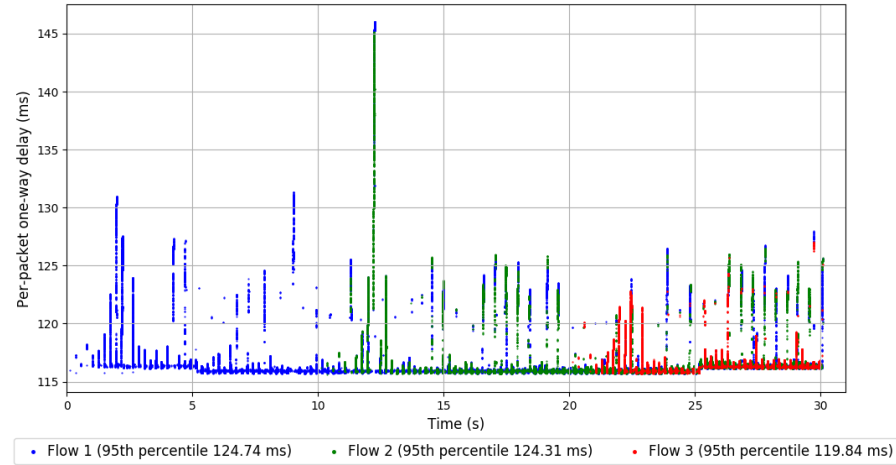
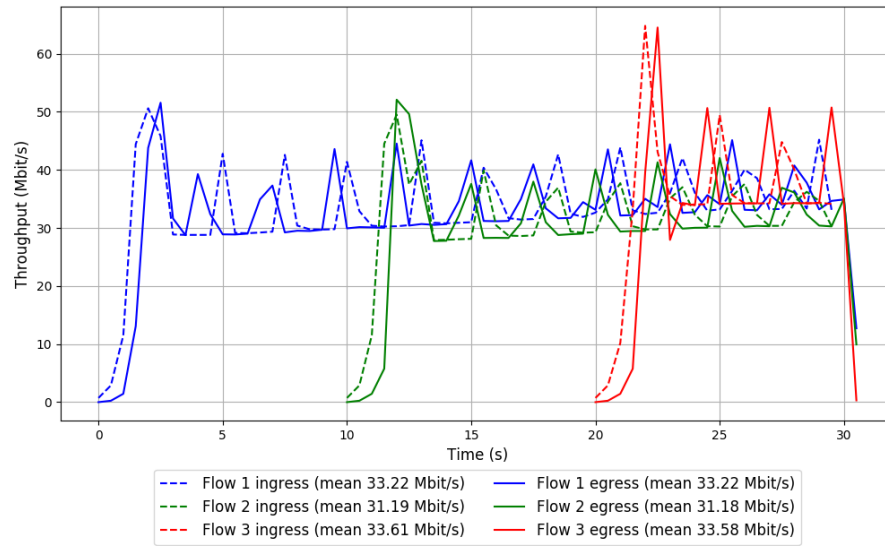
-- Flow 3:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 119.838 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

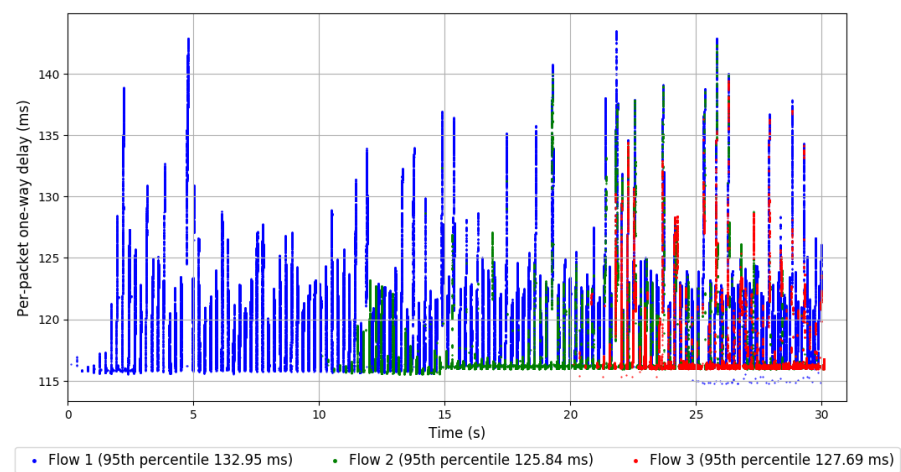
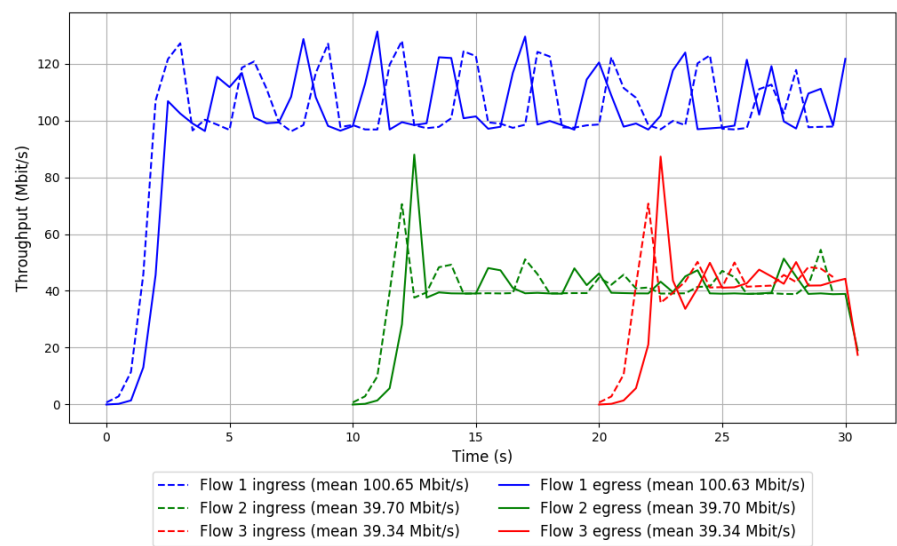


Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 04:12:40
End at: 2018-05-22 04:13:10
Local clock offset: 0.334 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-22 07:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.81 Mbit/s
95th percentile per-packet one-way delay: 131.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.63 Mbit/s
95th percentile per-packet one-way delay: 132.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 125.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 127.693 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 04:35:38

End at: 2018-05-22 04:36:08

Local clock offset: 0.029 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-22 07:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.75 Mbit/s

95th percentile per-packet one-way delay: 121.385 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 118.135 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.68 Mbit/s

95th percentile per-packet one-way delay: 122.830 ms

Loss rate: 0.00%

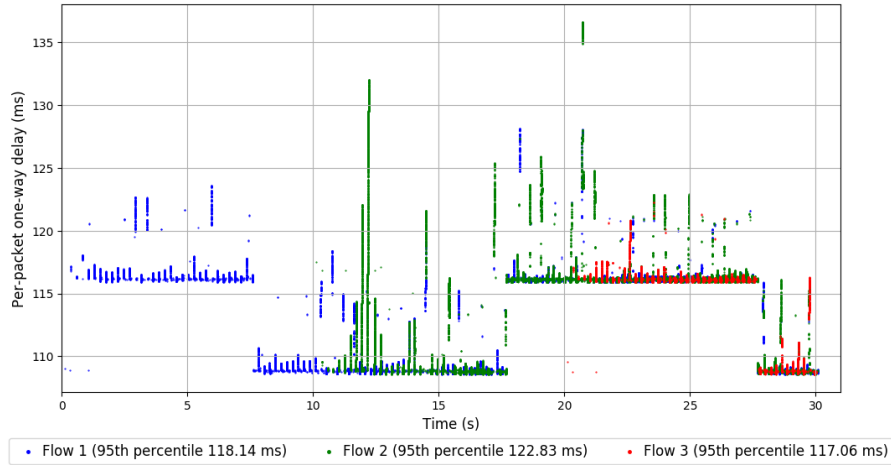
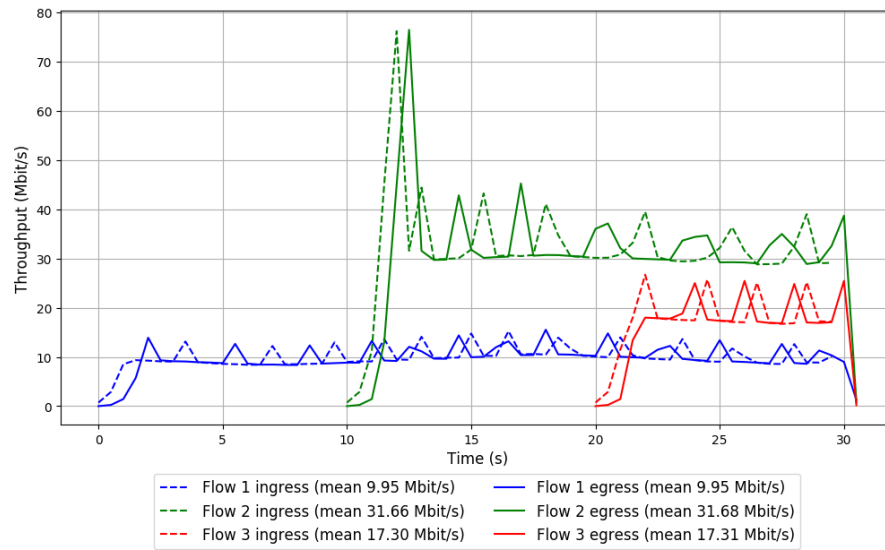
-- Flow 3:

Average throughput: 17.31 Mbit/s

95th percentile per-packet one-way delay: 117.060 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 04:58:59

End at: 2018-05-22 04:59:29

Local clock offset: 0.328 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-05-22 07:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 117.649 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.58 Mbit/s

95th percentile per-packet one-way delay: 118.330 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.43 Mbit/s

95th percentile per-packet one-way delay: 116.609 ms

Loss rate: 0.00%

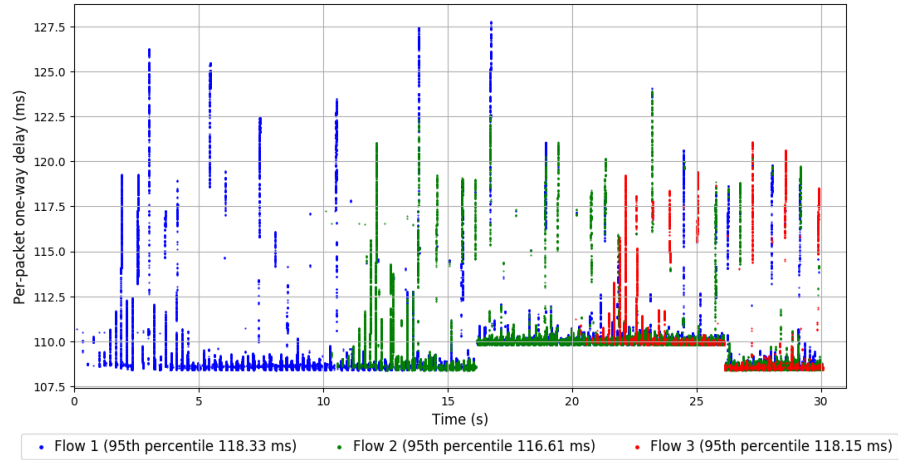
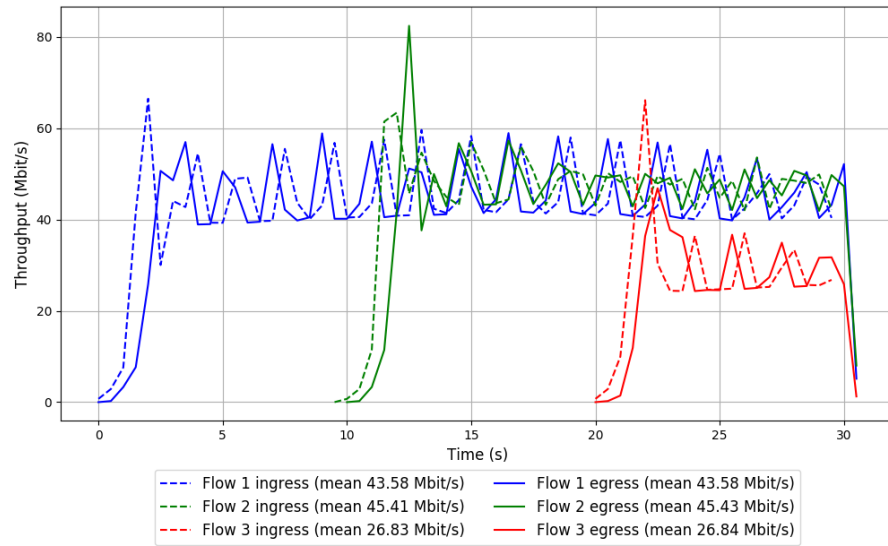
-- Flow 3:

Average throughput: 26.84 Mbit/s

95th percentile per-packet one-way delay: 118.153 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

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

End at: 2018-05-22 05:22:46

Local clock offset: 0.09 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-05-22 07:31:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.29 Mbit/s

95th percentile per-packet one-way delay: 121.900 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.83 Mbit/s

95th percentile per-packet one-way delay: 119.923 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.15 Mbit/s

95th percentile per-packet one-way delay: 122.132 ms

Loss rate: 0.00%

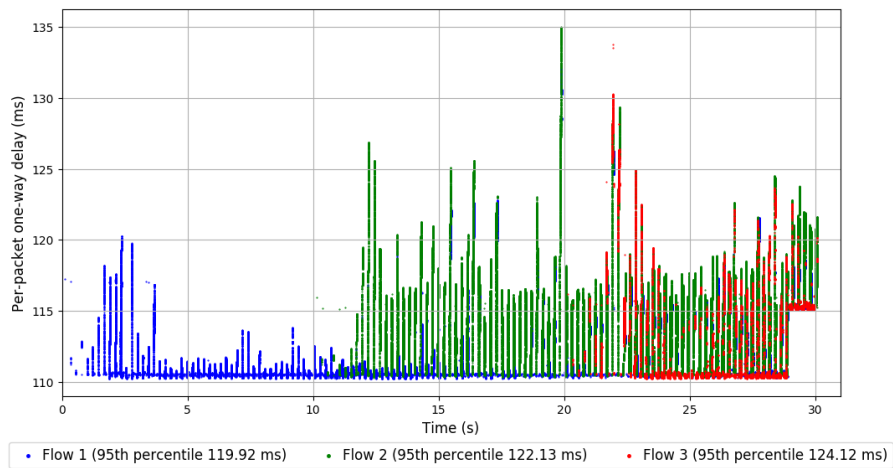
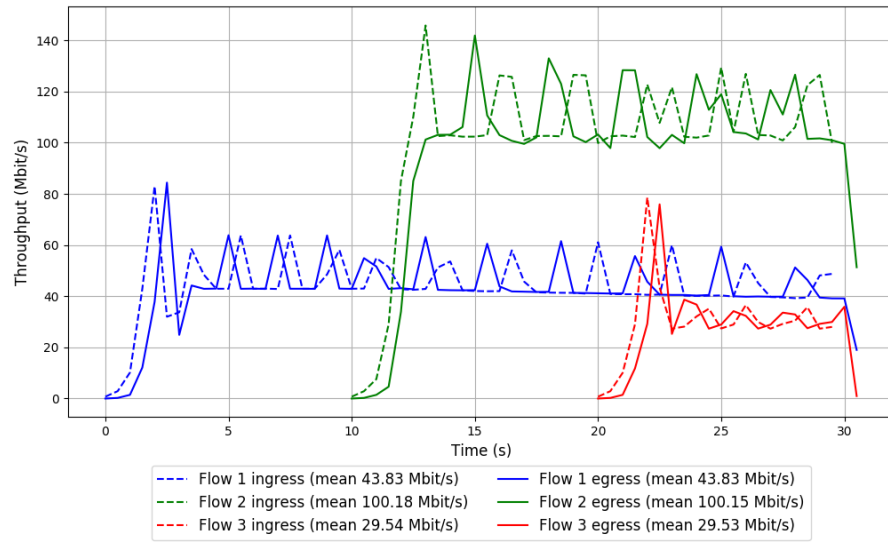
-- Flow 3:

Average throughput: 29.53 Mbit/s

95th percentile per-packet one-way delay: 124.121 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

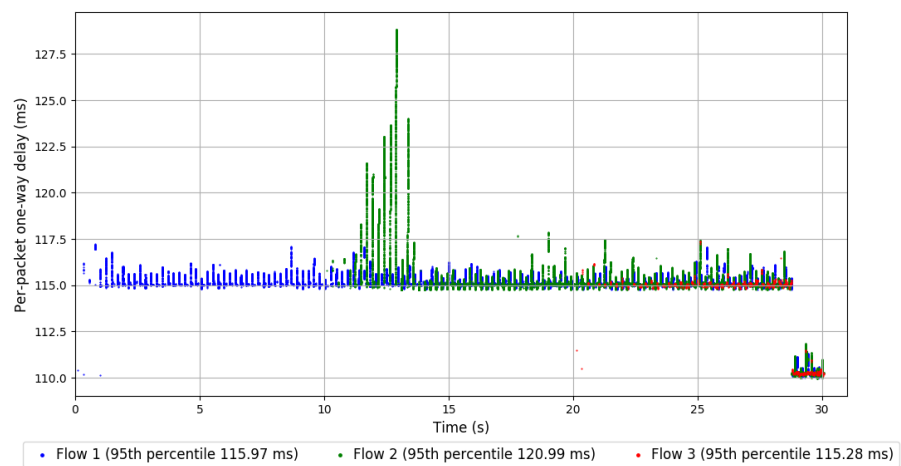
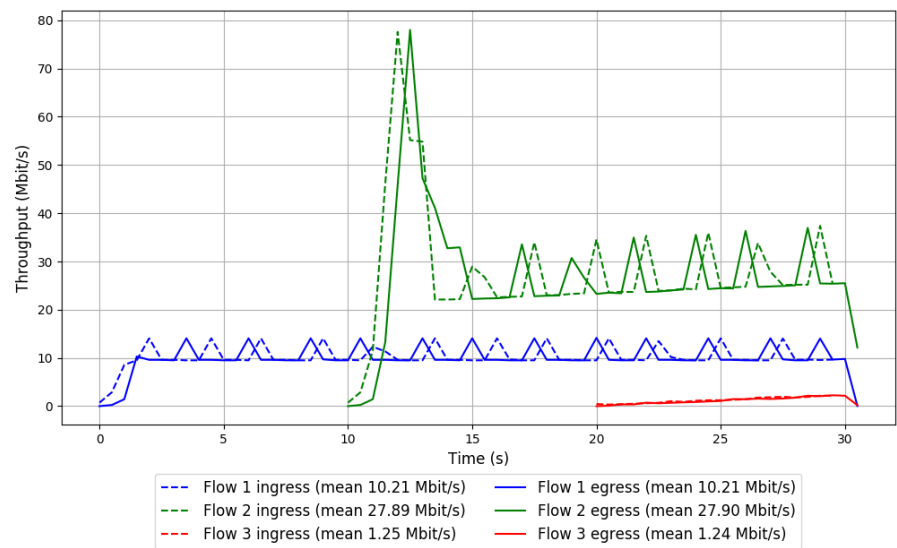


Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 05:45:46
End at: 2018-05-22 05:46:16
Local clock offset: -0.394 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-05-22 07:31:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 119.417 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 115.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 120.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 115.280 ms
Loss rate: 0.58%

Run 10: Report of TCP Vegas — Data Link

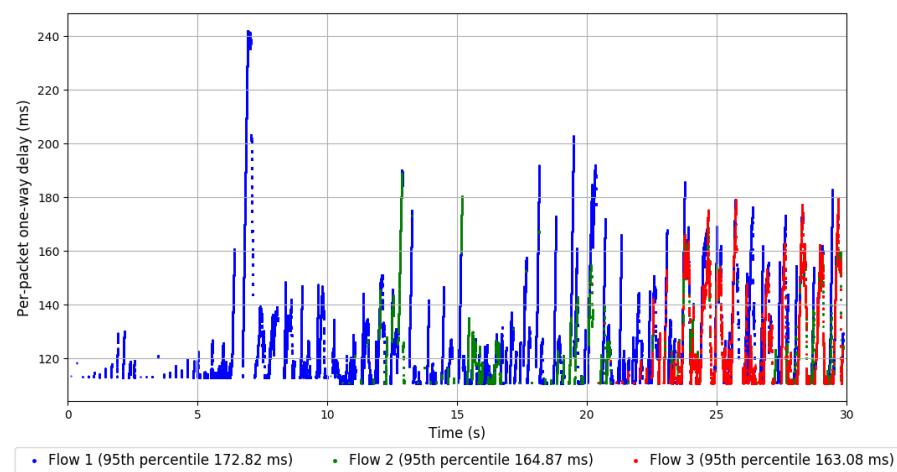
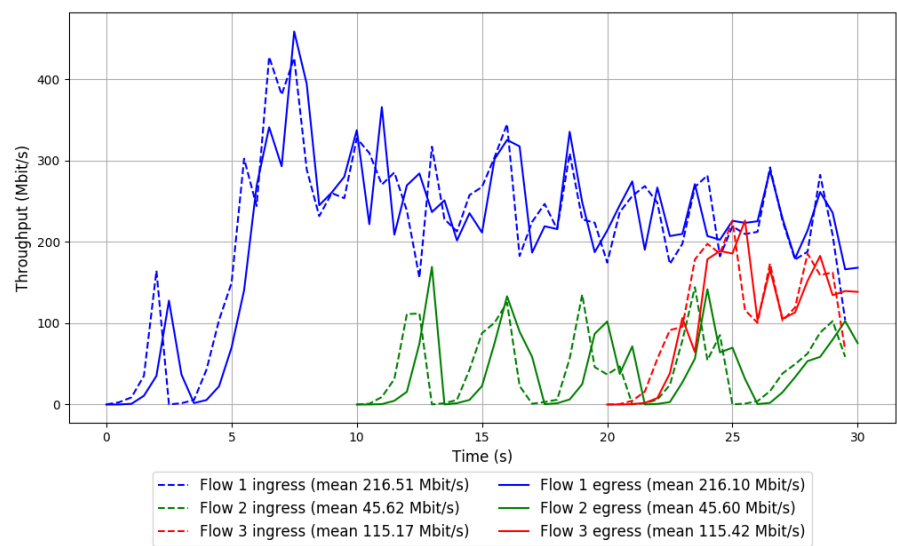


Run 1: Statistics of Verus

Start at: 2018-05-22 02:35:15
End at: 2018-05-22 02:35:45
Local clock offset: -0.021 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-22 07:35:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.89 Mbit/s
95th percentile per-packet one-way delay: 170.740 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 216.10 Mbit/s
95th percentile per-packet one-way delay: 172.822 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 164.867 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 115.42 Mbit/s
95th percentile per-packet one-way delay: 163.079 ms
Loss rate: 0.17%

Run 1: Report of Verus — Data Link

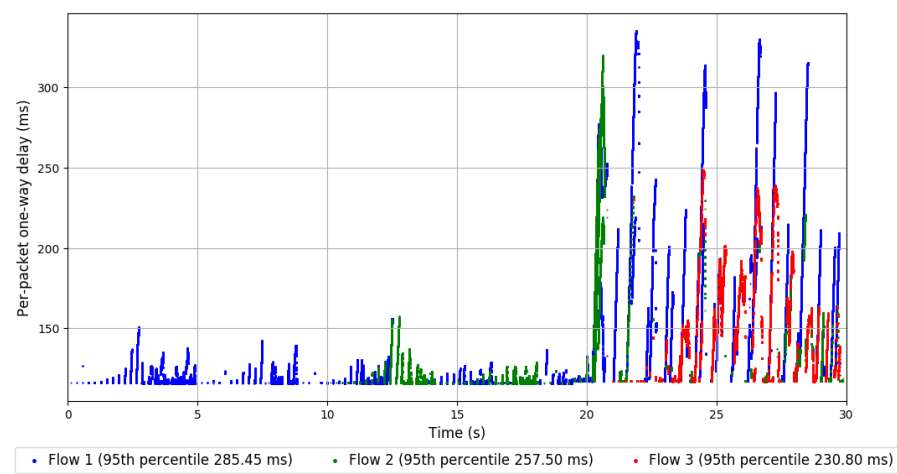
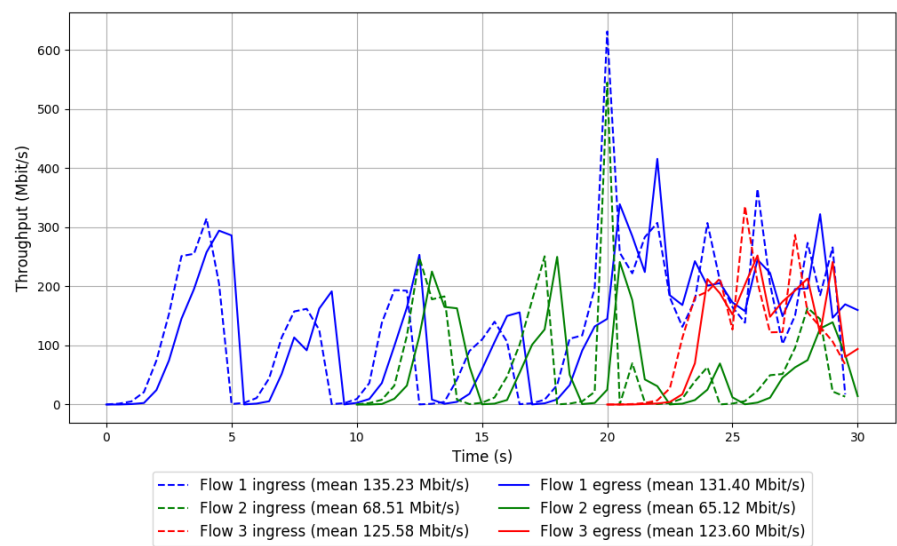


Run 2: Statistics of Verus

Start at: 2018-05-22 02:58:16
End at: 2018-05-22 02:58:46
Local clock offset: -0.011 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-22 07:35:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.92 Mbit/s
95th percentile per-packet one-way delay: 263.235 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 131.40 Mbit/s
95th percentile per-packet one-way delay: 285.454 ms
Loss rate: 2.83%
-- Flow 2:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 257.496 ms
Loss rate: 4.94%
-- Flow 3:
Average throughput: 123.60 Mbit/s
95th percentile per-packet one-way delay: 230.803 ms
Loss rate: 1.36%

Run 2: Report of Verus — Data Link

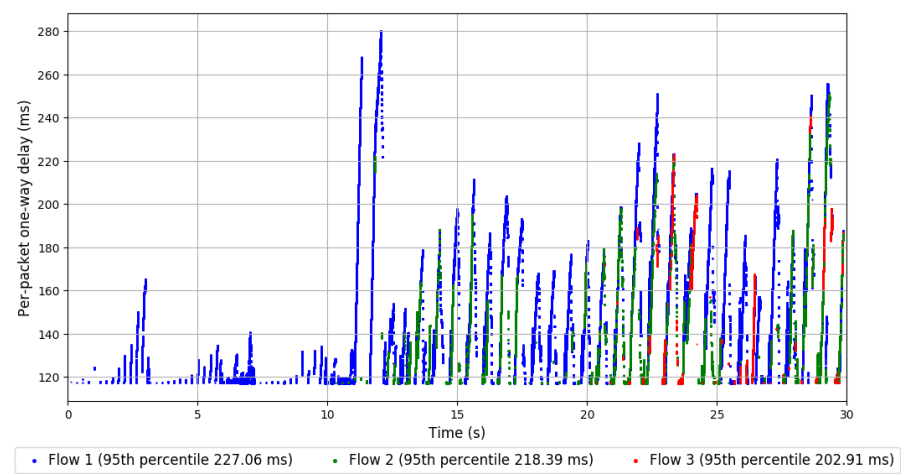
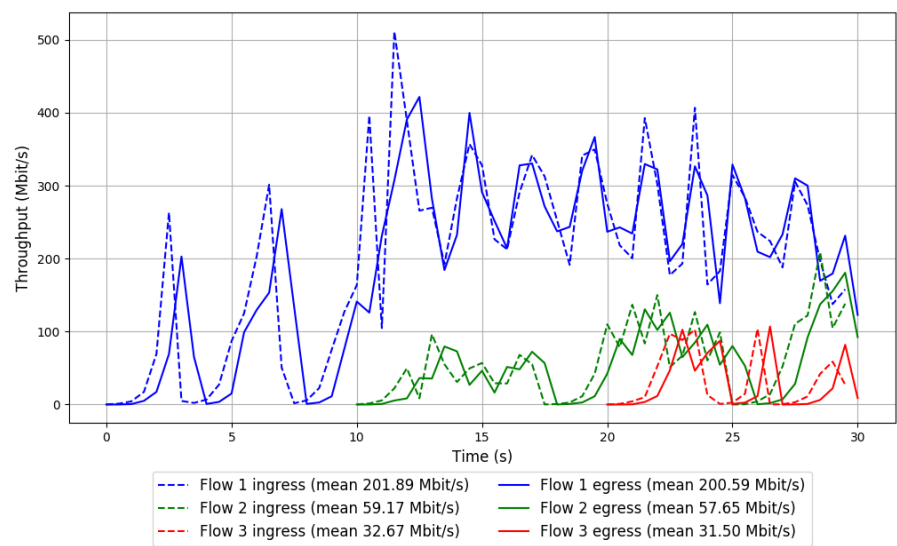


Run 3: Statistics of Verus

Start at: 2018-05-22 03:21:28
End at: 2018-05-22 03:21:58
Local clock offset: -0.023 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-22 07:35:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.11 Mbit/s
95th percentile per-packet one-way delay: 223.035 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 200.59 Mbit/s
95th percentile per-packet one-way delay: 227.057 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 218.394 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 202.910 ms
Loss rate: 3.58%

Run 3: Report of Verus — Data Link

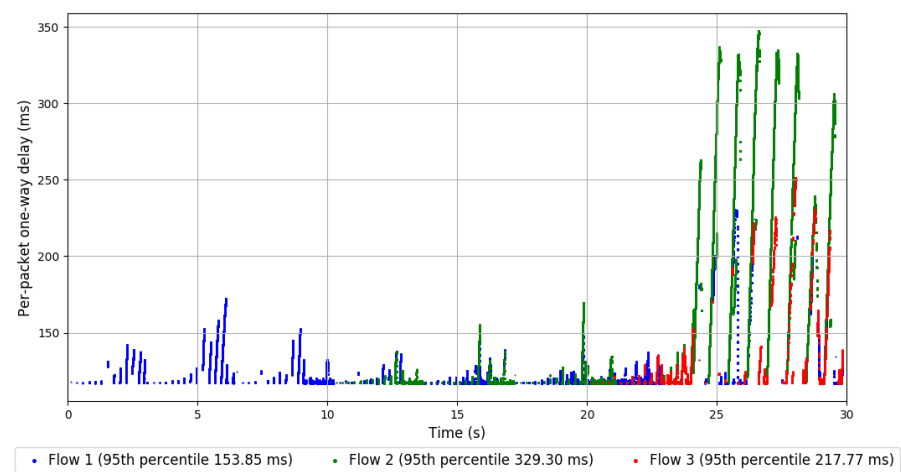
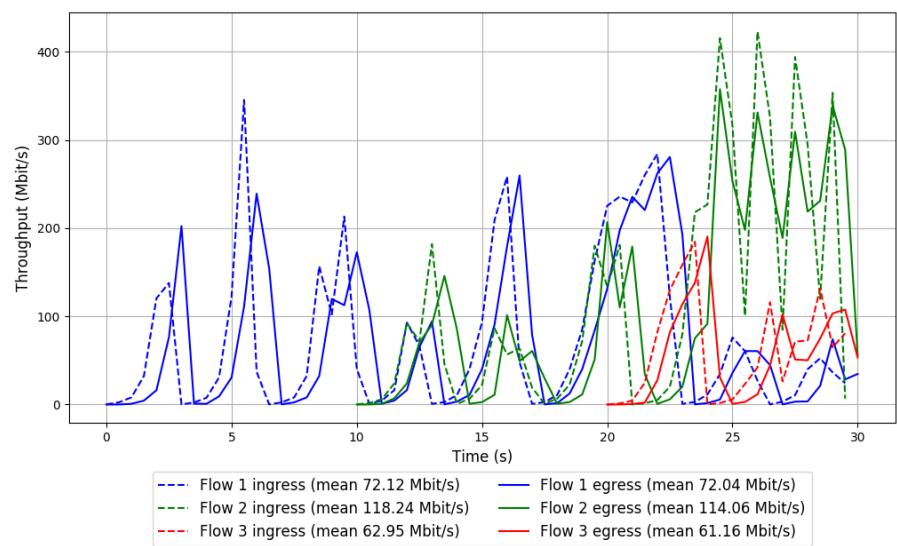


Run 4: Statistics of Verus

Start at: 2018-05-22 03:44:33
End at: 2018-05-22 03:45:03
Local clock offset: 0.222 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-22 07:35:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.67 Mbit/s
95th percentile per-packet one-way delay: 317.110 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 72.04 Mbit/s
95th percentile per-packet one-way delay: 153.852 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 114.06 Mbit/s
95th percentile per-packet one-way delay: 329.295 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 217.767 ms
Loss rate: 2.81%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-22 04:07:45

End at: 2018-05-22 04:08:15

Local clock offset: -0.311 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-05-22 07:35:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.06 Mbit/s

95th percentile per-packet one-way delay: 161.949 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 131.28 Mbit/s

95th percentile per-packet one-way delay: 154.463 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 132.97 Mbit/s

95th percentile per-packet one-way delay: 174.185 ms

Loss rate: 0.06%

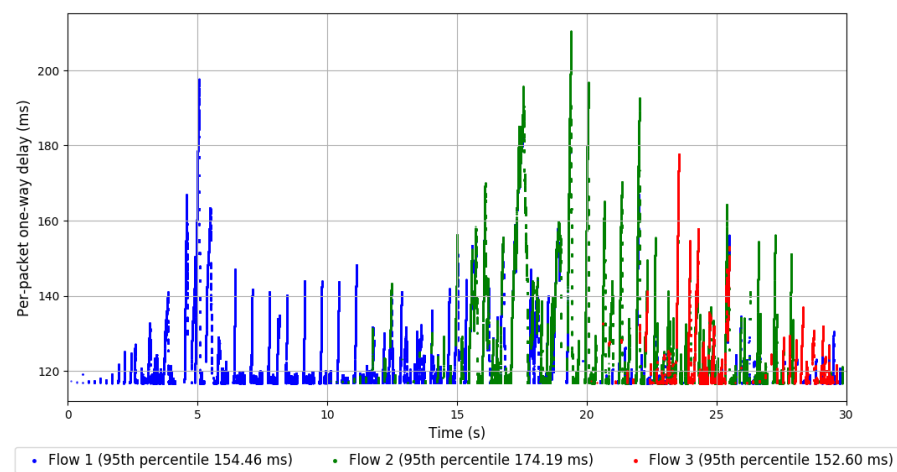
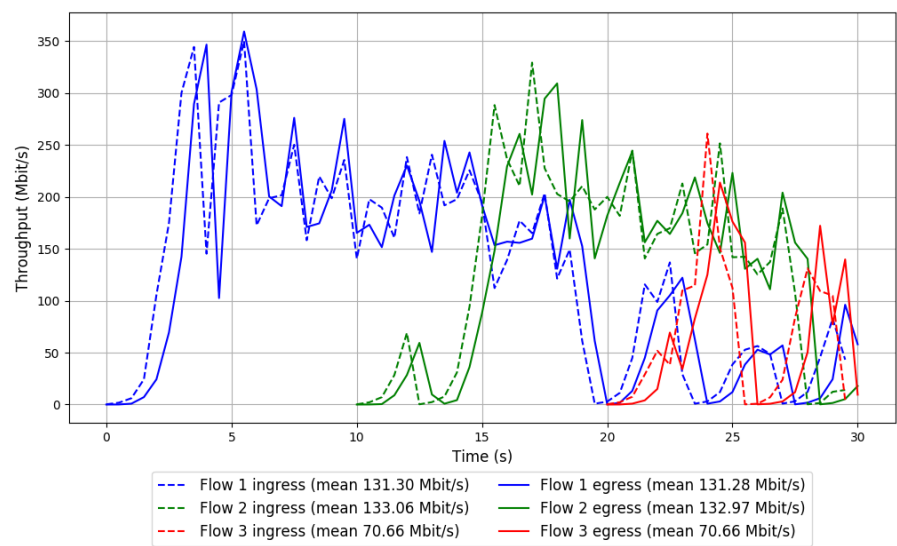
-- Flow 3:

Average throughput: 70.66 Mbit/s

95th percentile per-packet one-way delay: 152.602 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-22 04:31:06

End at: 2018-05-22 04:31:36

Local clock offset: -0.079 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-22 07:35:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.86 Mbit/s

95th percentile per-packet one-way delay: 233.743 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 67.03 Mbit/s

95th percentile per-packet one-way delay: 336.699 ms

Loss rate: 2.30%

-- Flow 2:

Average throughput: 185.43 Mbit/s

95th percentile per-packet one-way delay: 192.549 ms

Loss rate: 0.38%

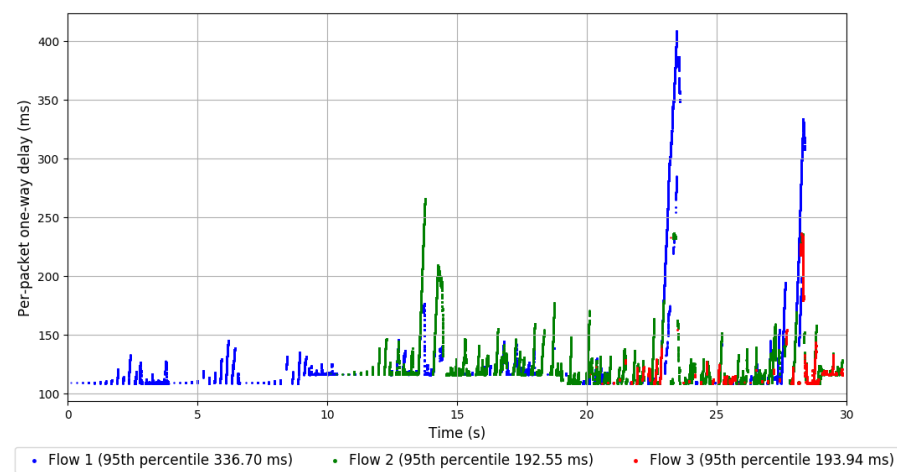
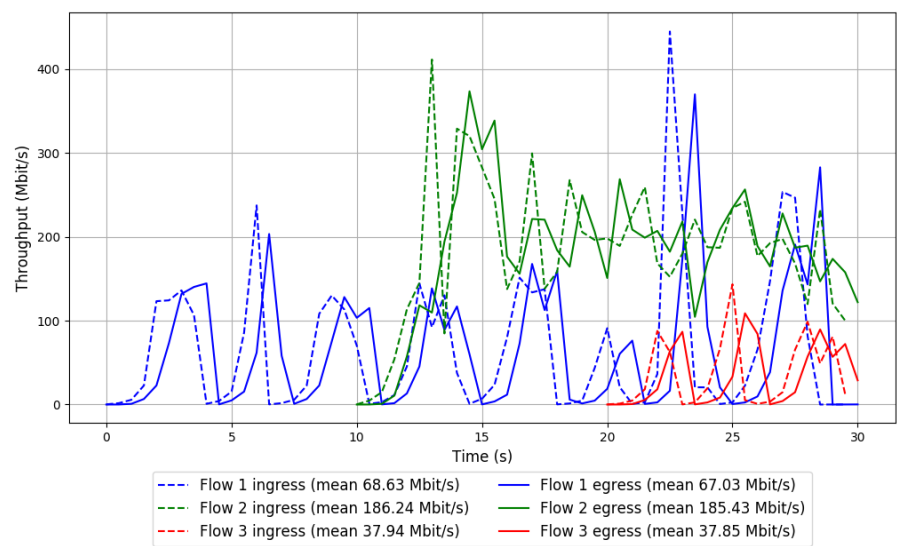
-- Flow 3:

Average throughput: 37.85 Mbit/s

95th percentile per-packet one-way delay: 193.939 ms

Loss rate: 0.24%

Run 6: Report of Verus — Data Link

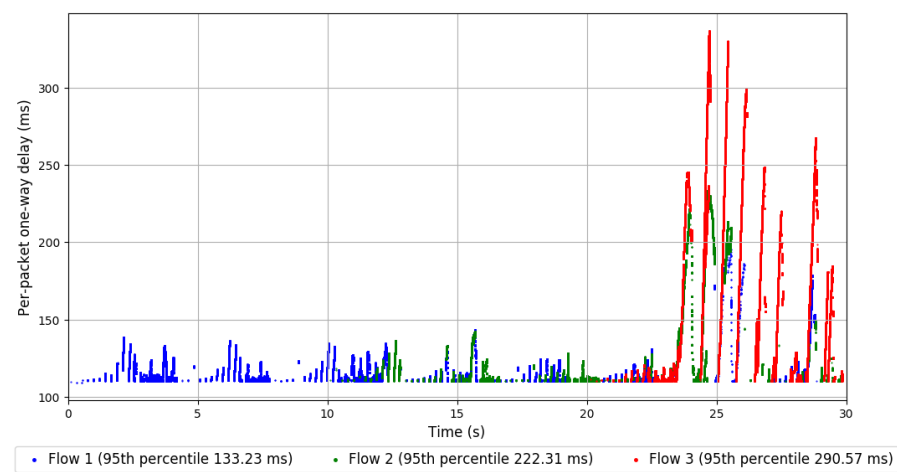
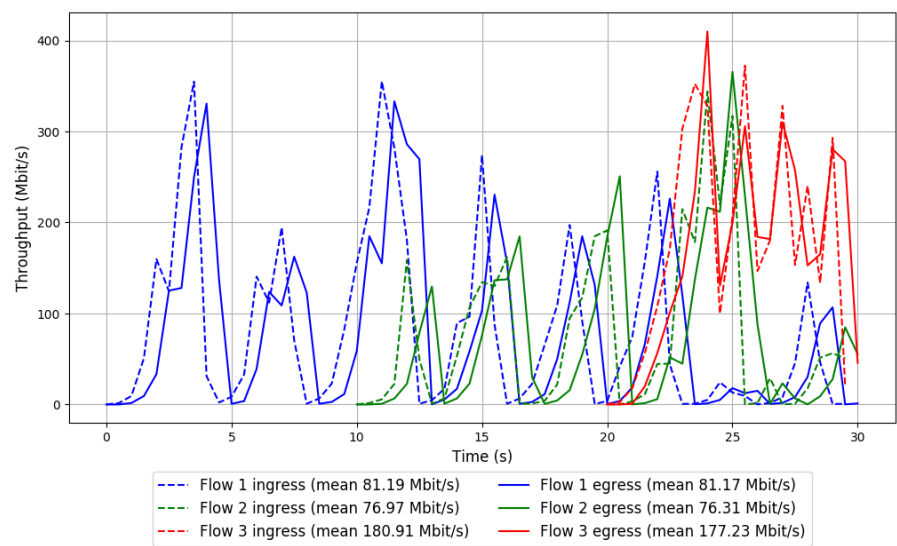


Run 7: Statistics of Verus

Start at: 2018-05-22 04:54:24
End at: 2018-05-22 04:54:54
Local clock offset: -0.115 ms
Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-22 07:35:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 189.41 Mbit/s
95th percentile per-packet one-way delay: 239.766 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 133.231 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 222.311 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 177.23 Mbit/s
95th percentile per-packet one-way delay: 290.573 ms
Loss rate: 2.00%

Run 7: Report of Verus — Data Link

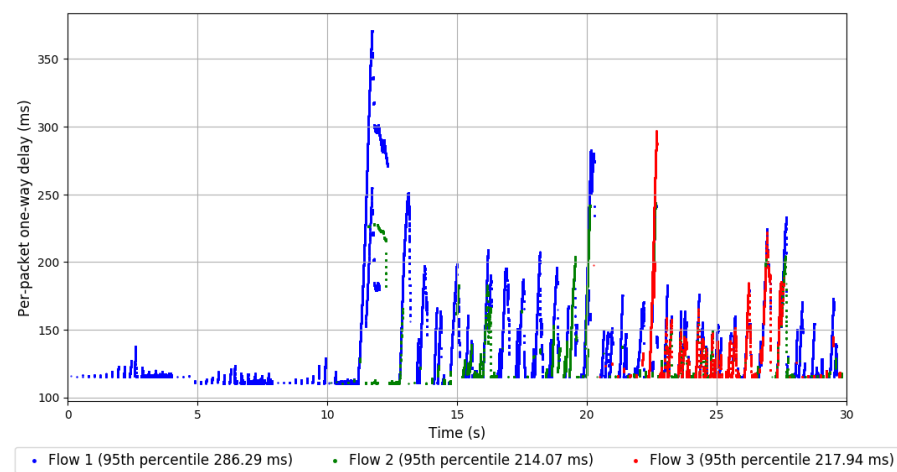
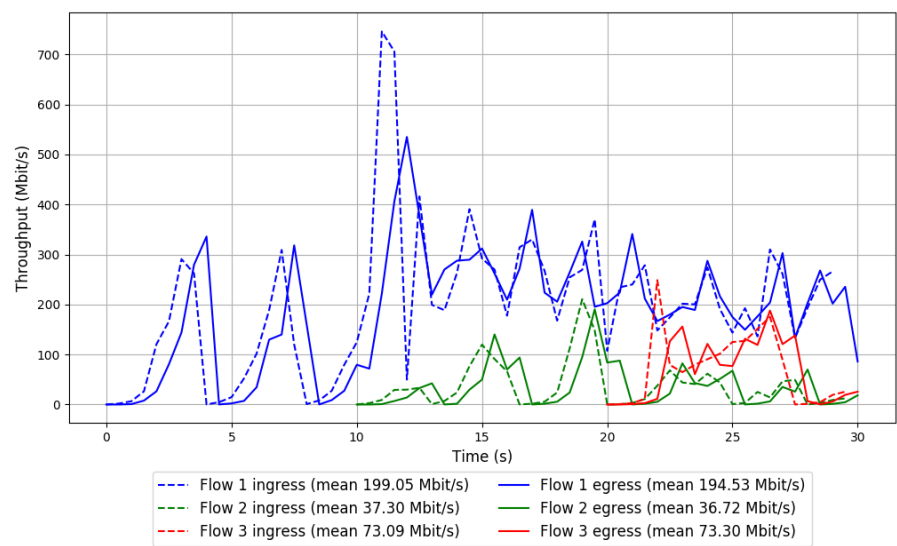


Run 8: Statistics of Verus

Start at: 2018-05-22 05:17:30
End at: 2018-05-22 05:18:00
Local clock offset: -0.069 ms
Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-05-22 07:36:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.01 Mbit/s
95th percentile per-packet one-way delay: 280.982 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 194.53 Mbit/s
95th percentile per-packet one-way delay: 286.289 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 214.072 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 217.942 ms
Loss rate: 0.56%

Run 8: Report of Verus — Data Link

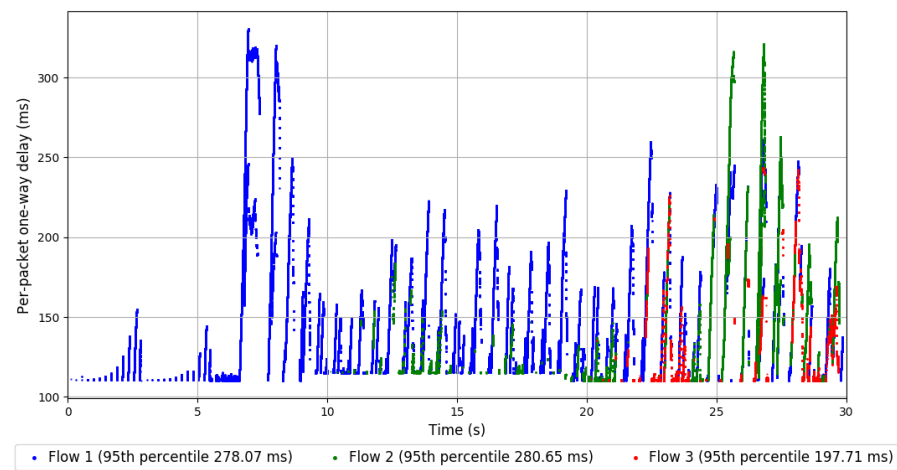
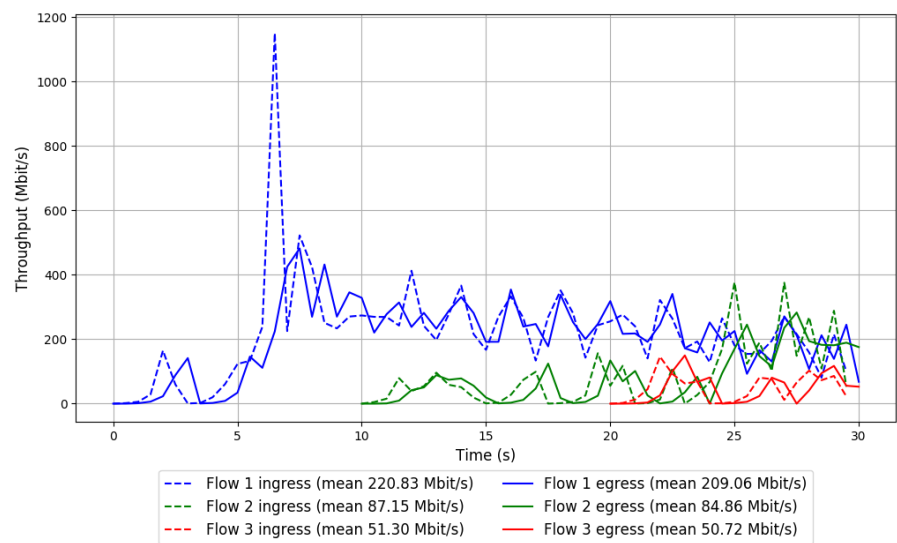


Run 9: Statistics of Verus

Start at: 2018-05-22 05:41:06
End at: 2018-05-22 05:41:36
Local clock offset: -0.11 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-22 07:38:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.26 Mbit/s
95th percentile per-packet one-way delay: 265.708 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 209.06 Mbit/s
95th percentile per-packet one-way delay: 278.068 ms
Loss rate: 5.31%
-- Flow 2:
Average throughput: 84.86 Mbit/s
95th percentile per-packet one-way delay: 280.649 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 197.710 ms
Loss rate: 1.08%

Run 9: Report of Verus — Data Link

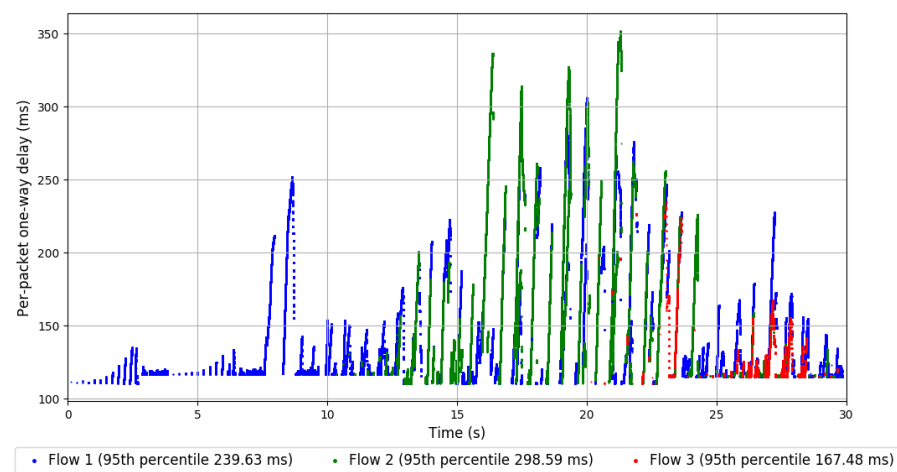
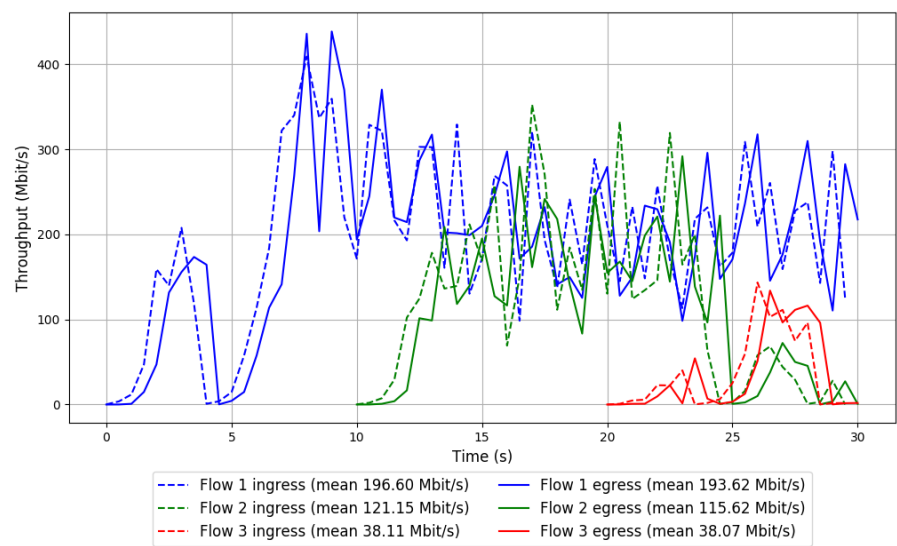


Run 10: Statistics of Verus

Start at: 2018-05-22 06:04:12
End at: 2018-05-22 06:04:42
Local clock offset: -0.293 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-22 07:38:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.97 Mbit/s
95th percentile per-packet one-way delay: 251.419 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 193.62 Mbit/s
95th percentile per-packet one-way delay: 239.630 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 115.62 Mbit/s
95th percentile per-packet one-way delay: 298.590 ms
Loss rate: 4.65%
-- Flow 3:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 167.481 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 02:25:53

End at: 2018-05-22 02:26:23

Local clock offset: -0.081 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-05-22 07:45:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.57 Mbit/s

95th percentile per-packet one-way delay: 154.470 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 330.40 Mbit/s

95th percentile per-packet one-way delay: 170.969 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 183.49 Mbit/s

95th percentile per-packet one-way delay: 110.606 ms

Loss rate: 0.00%

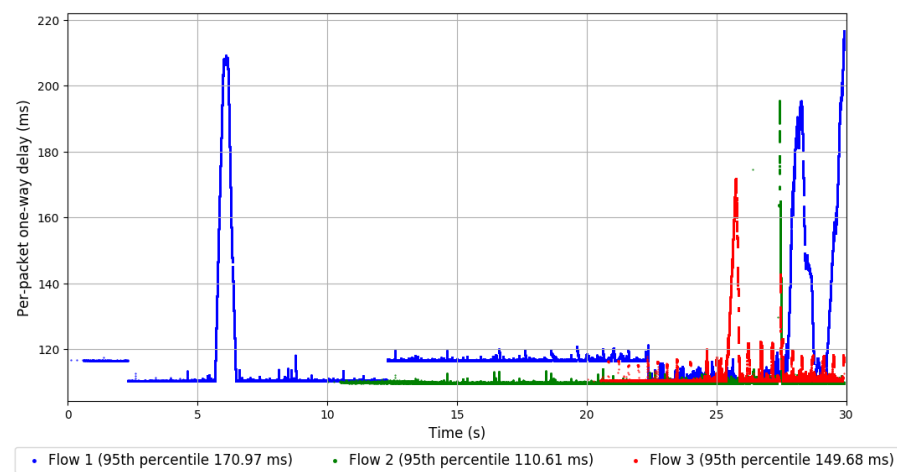
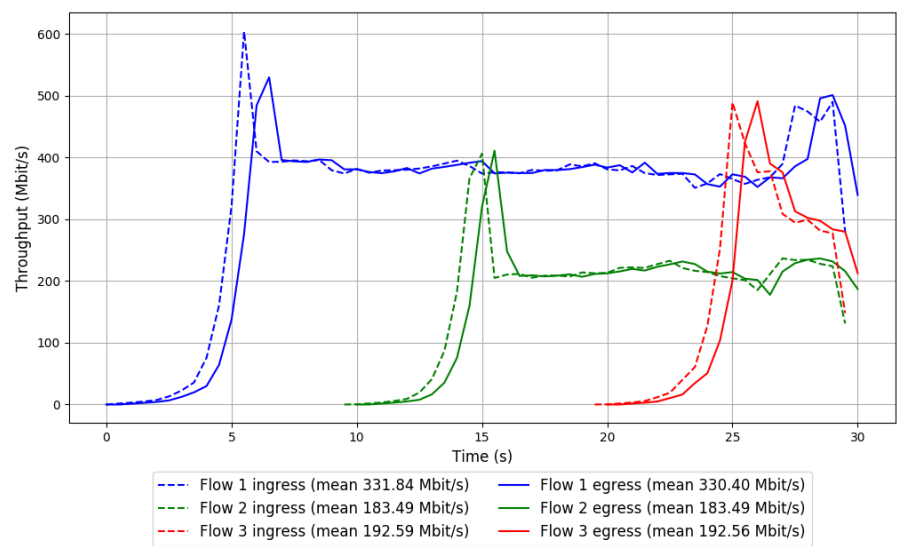
-- Flow 3:

Average throughput: 192.56 Mbit/s

95th percentile per-packet one-way delay: 149.678 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

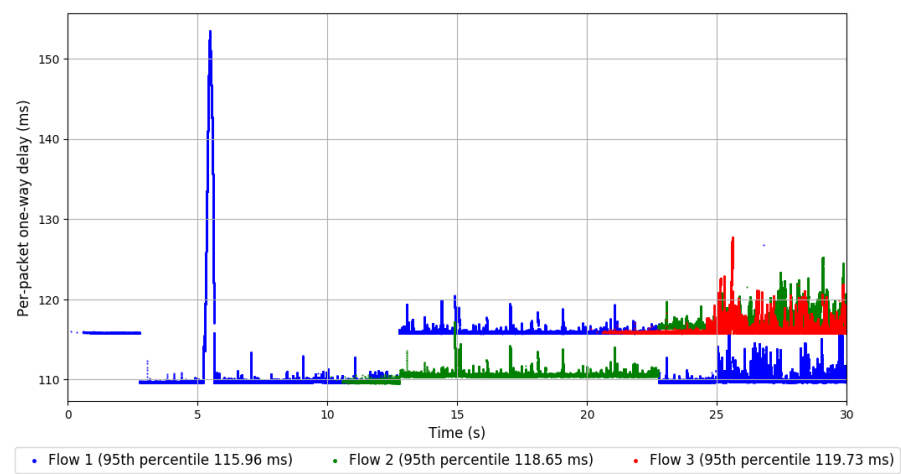
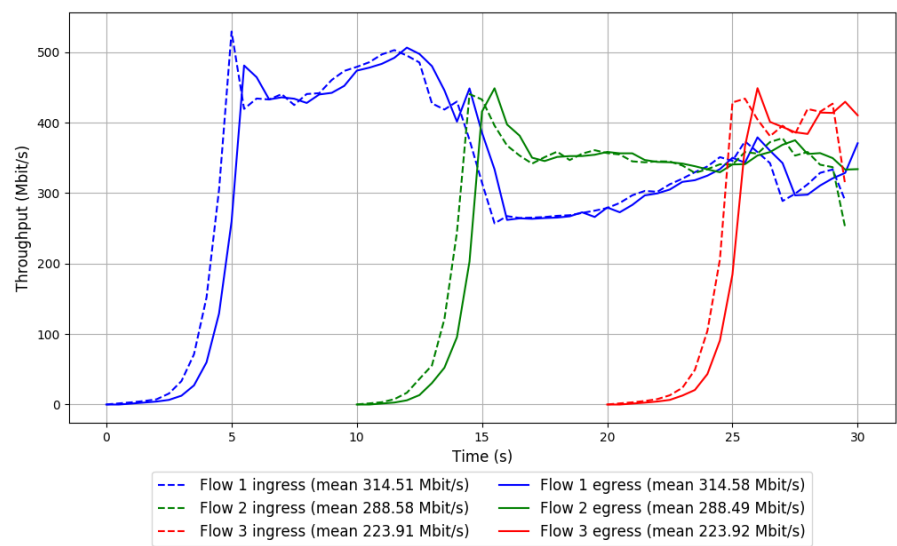


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 02:49:02
End at: 2018-05-22 02:49:32
Local clock offset: 0.095 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-22 07:46:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 580.33 Mbit/s
95th percentile per-packet one-way delay: 118.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 314.58 Mbit/s
95th percentile per-packet one-way delay: 115.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 288.49 Mbit/s
95th percentile per-packet one-way delay: 118.653 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 223.92 Mbit/s
95th percentile per-packet one-way delay: 119.728 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

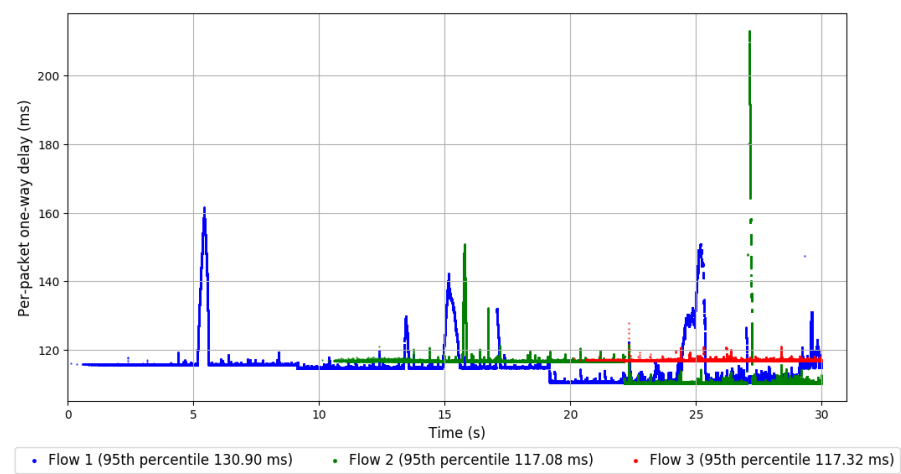
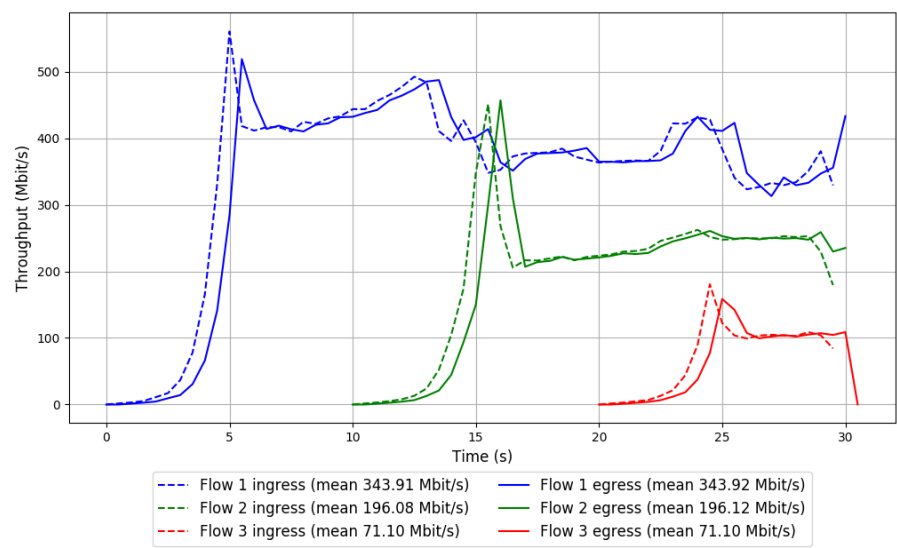


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 03:12:13
End at: 2018-05-22 03:12:43
Local clock offset: 0.146 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-22 07:46:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.73 Mbit/s
95th percentile per-packet one-way delay: 128.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 343.92 Mbit/s
95th percentile per-packet one-way delay: 130.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 196.12 Mbit/s
95th percentile per-packet one-way delay: 117.075 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.10 Mbit/s
95th percentile per-packet one-way delay: 117.317 ms
Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link

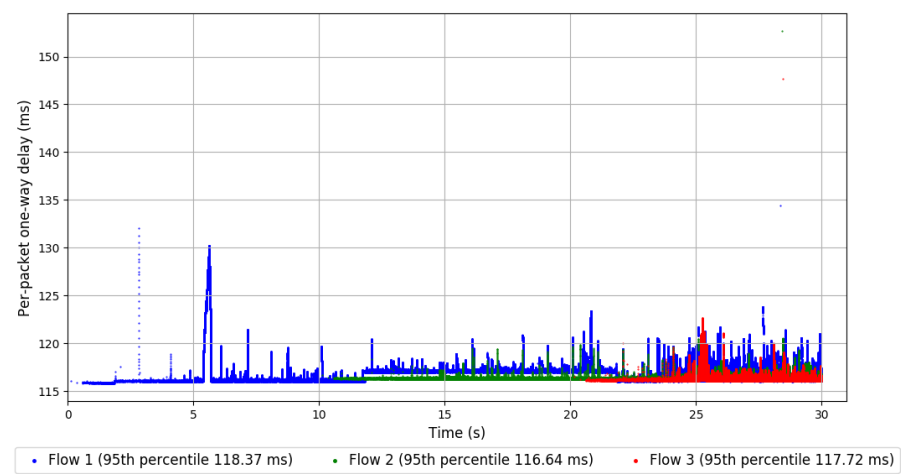
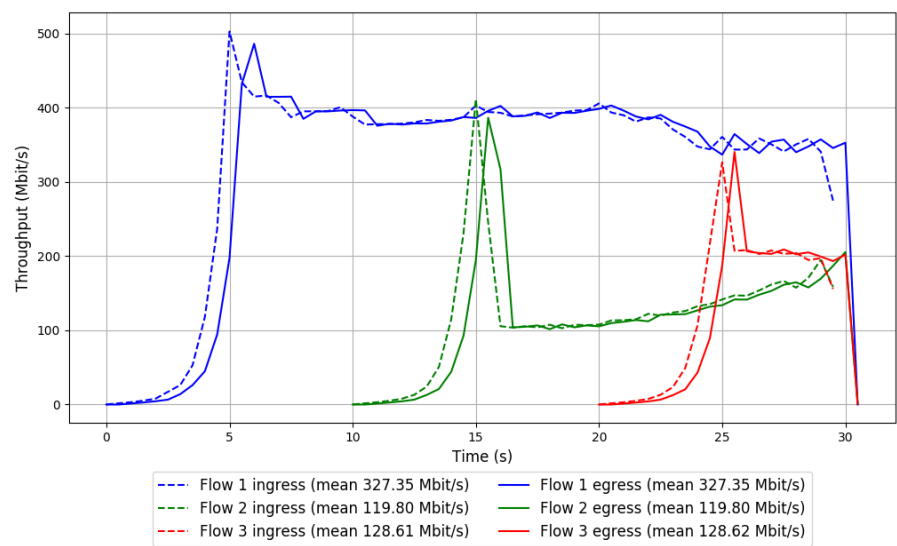


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 03:35:23
End at: 2018-05-22 03:35:53
Local clock offset: -0.192 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-22 07:46:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 449.44 Mbit/s
95th percentile per-packet one-way delay: 118.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.35 Mbit/s
95th percentile per-packet one-way delay: 118.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.80 Mbit/s
95th percentile per-packet one-way delay: 116.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.62 Mbit/s
95th percentile per-packet one-way delay: 117.719 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 03:58:33

End at: 2018-05-22 03:59:03

Local clock offset: 0.18 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-05-22 07:46:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 445.08 Mbit/s

95th percentile per-packet one-way delay: 133.245 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 304.18 Mbit/s

95th percentile per-packet one-way delay: 115.992 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 116.878 ms

Loss rate: 0.00%

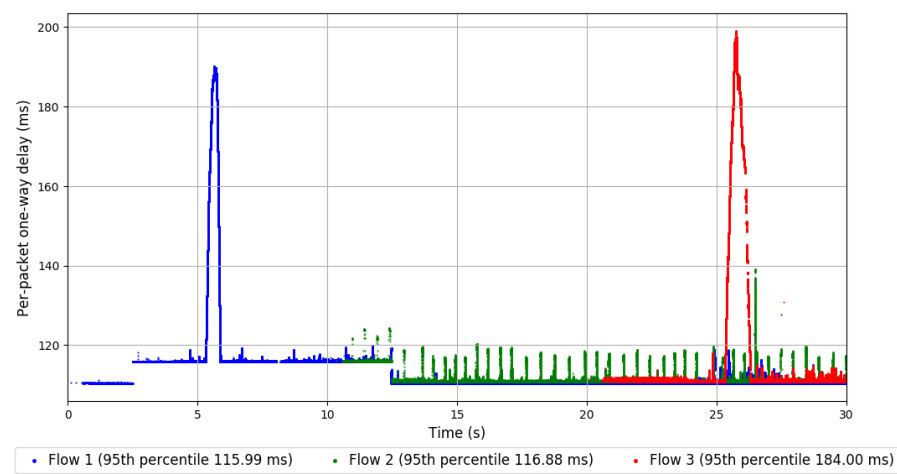
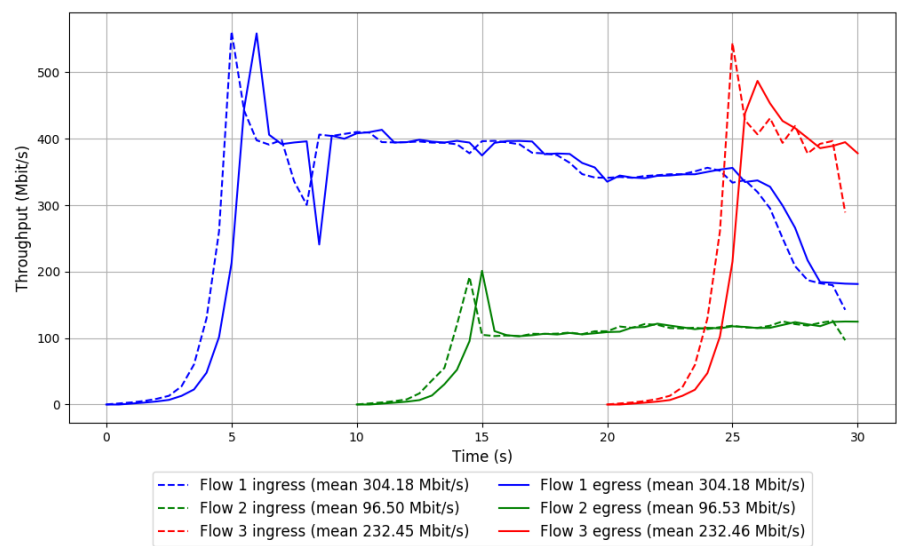
-- Flow 3:

Average throughput: 232.46 Mbit/s

95th percentile per-packet one-way delay: 184.001 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

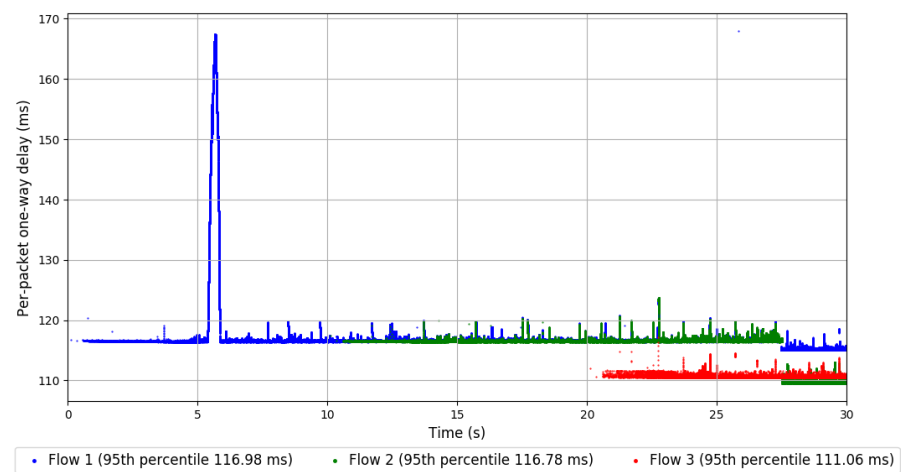
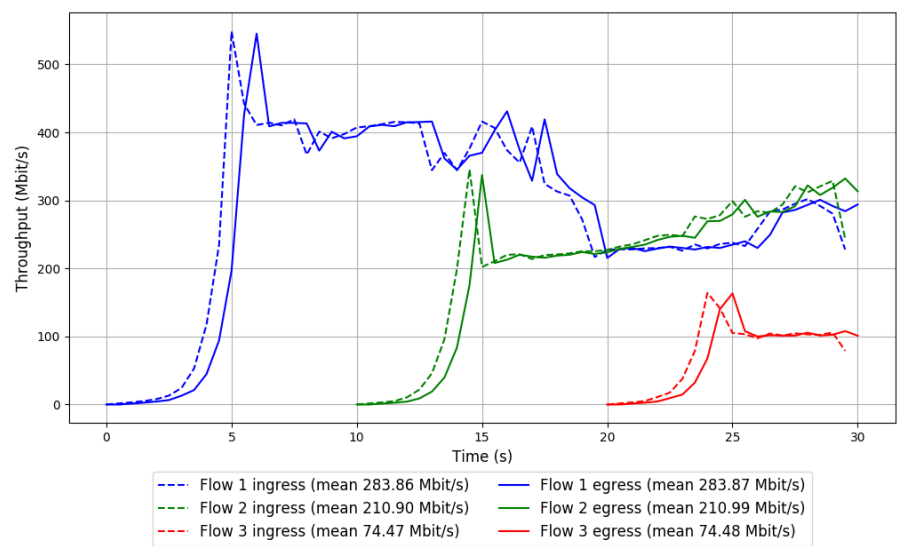


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 04:21:58
End at: 2018-05-22 04:22:28
Local clock offset: 0.032 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-22 07:46:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 448.67 Mbit/s
95th percentile per-packet one-way delay: 116.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 283.87 Mbit/s
95th percentile per-packet one-way delay: 116.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 210.99 Mbit/s
95th percentile per-packet one-way delay: 116.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 111.064 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

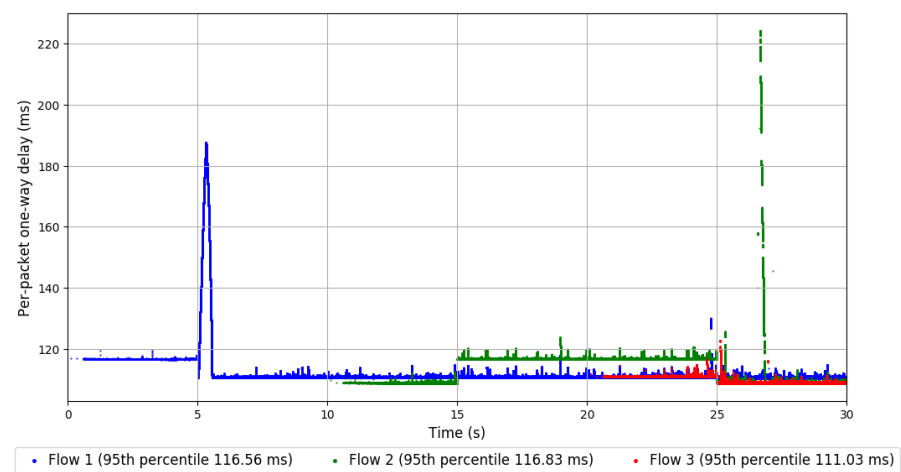
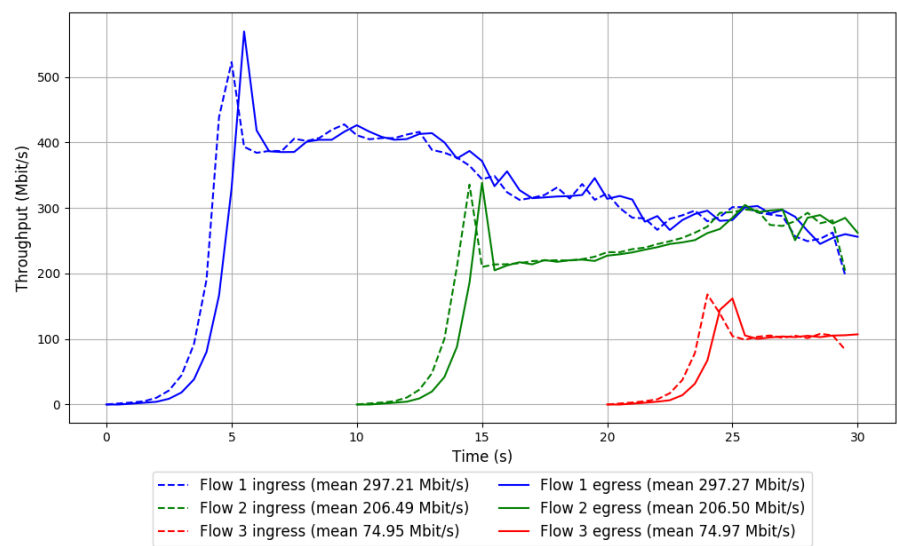


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 04:45:10
End at: 2018-05-22 04:45:40
Local clock offset: -0.016 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-22 07:46:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 459.27 Mbit/s
95th percentile per-packet one-way delay: 116.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 297.27 Mbit/s
95th percentile per-packet one-way delay: 116.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 206.50 Mbit/s
95th percentile per-packet one-way delay: 116.832 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.97 Mbit/s
95th percentile per-packet one-way delay: 111.034 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 05:08:18

End at: 2018-05-22 05:08:48

Local clock offset: -0.036 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-05-22 07:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 451.34 Mbit/s

95th percentile per-packet one-way delay: 117.614 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 286.86 Mbit/s

95th percentile per-packet one-way delay: 118.831 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 181.52 Mbit/s

95th percentile per-packet one-way delay: 111.726 ms

Loss rate: 0.00%

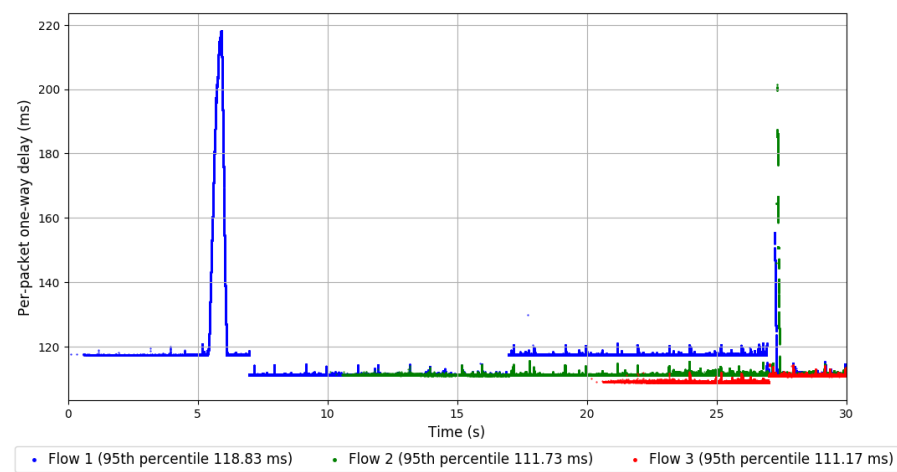
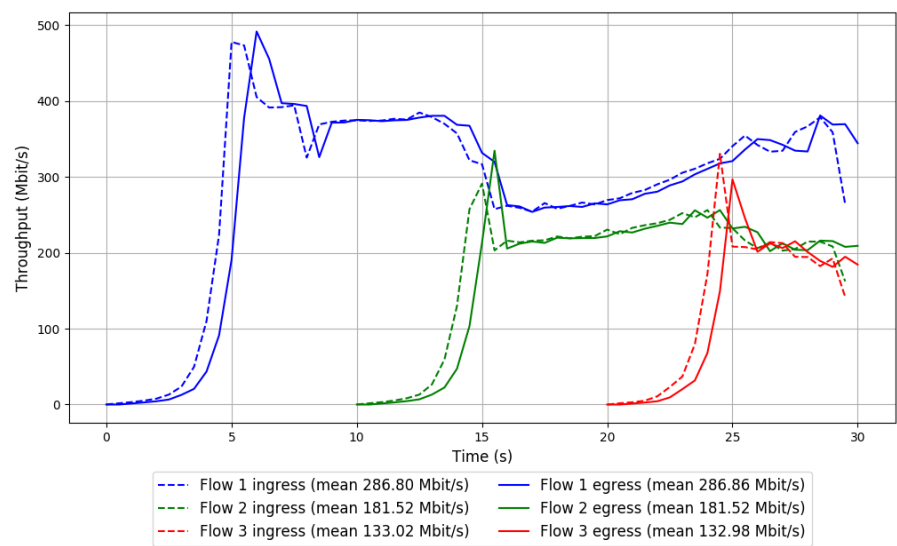
-- Flow 3:

Average throughput: 132.98 Mbit/s

95th percentile per-packet one-way delay: 111.174 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

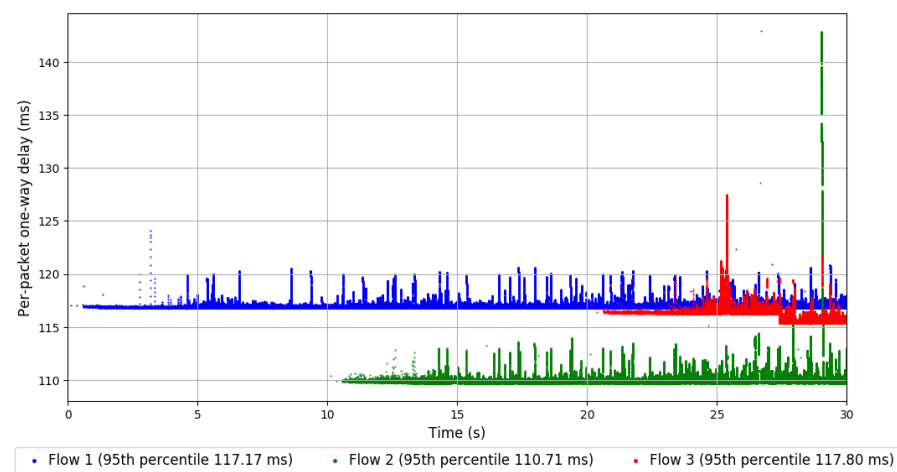
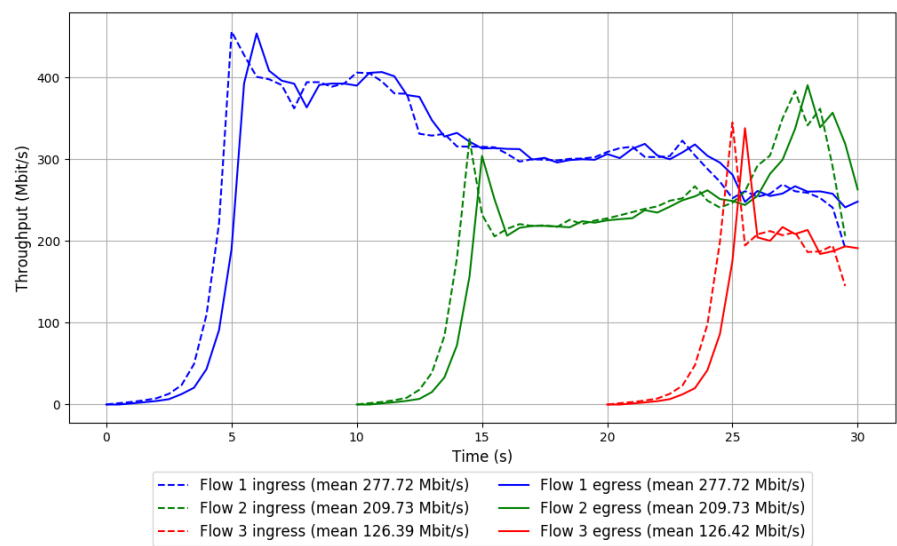


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 05:31:55
End at: 2018-05-22 05:32:25
Local clock offset: 0.275 ms
Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-05-22 07:47:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 458.82 Mbit/s
95th percentile per-packet one-way delay: 117.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 277.72 Mbit/s
95th percentile per-packet one-way delay: 117.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 209.73 Mbit/s
95th percentile per-packet one-way delay: 110.708 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.42 Mbit/s
95th percentile per-packet one-way delay: 117.802 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

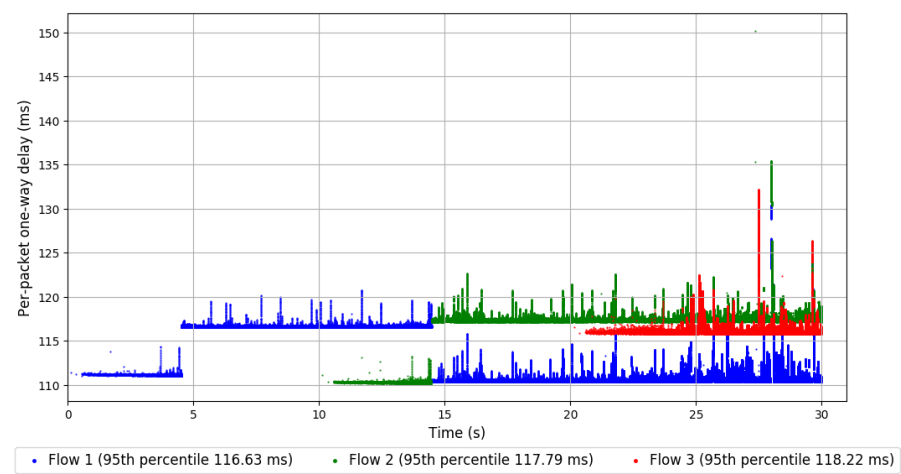
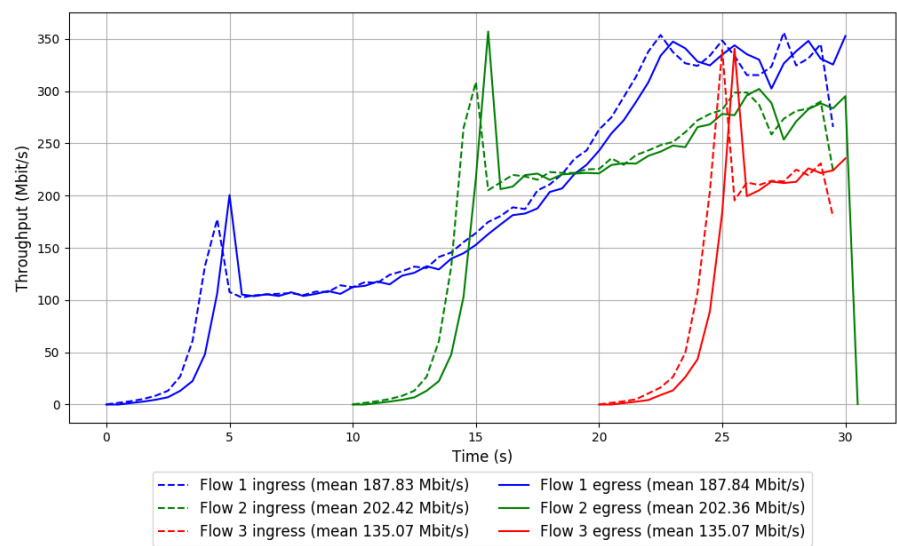


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 05:55:08
End at: 2018-05-22 05:55:38
Local clock offset: -0.308 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-22 07:47:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.92 Mbit/s
95th percentile per-packet one-way delay: 117.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.84 Mbit/s
95th percentile per-packet one-way delay: 116.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 202.36 Mbit/s
95th percentile per-packet one-way delay: 117.789 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.07 Mbit/s
95th percentile per-packet one-way delay: 118.218 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

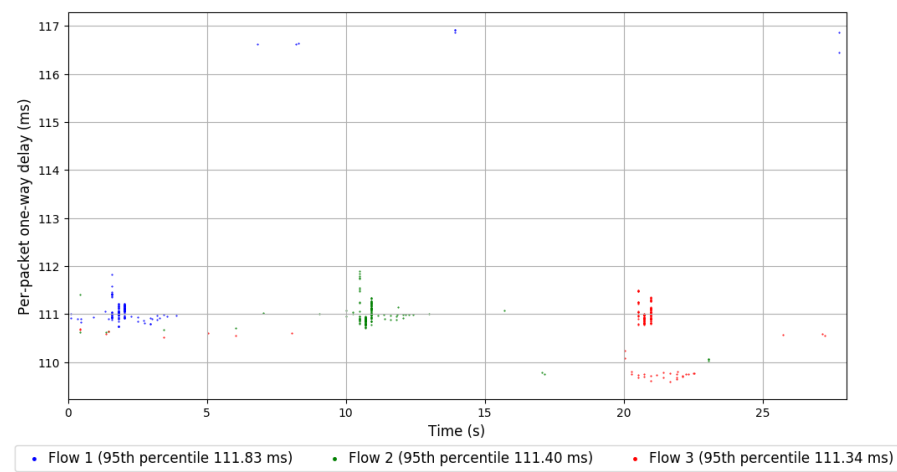
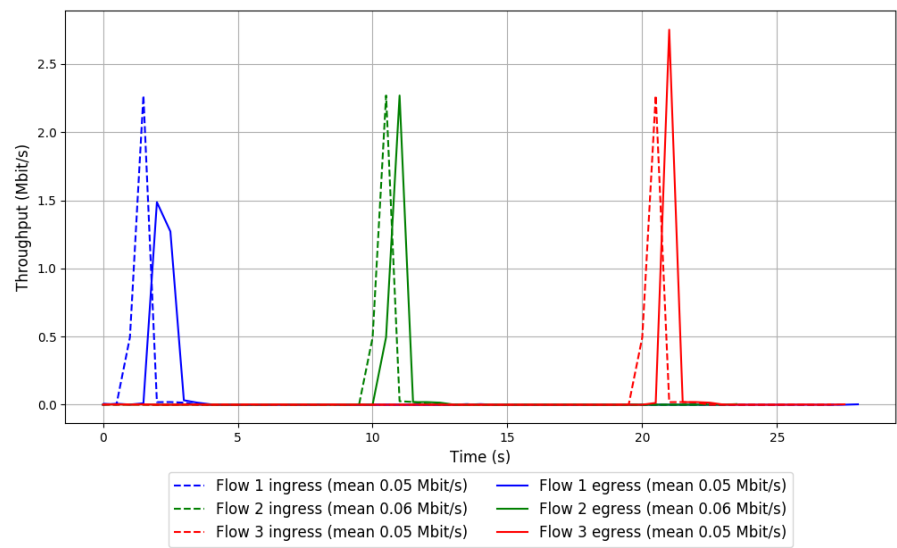


Run 1: Statistics of WebRTC media

Start at: 2018-05-22 02:20:28
End at: 2018-05-22 02:20:58
Local clock offset: -0.014 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-22 07:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 111.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.827 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 111.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.341 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

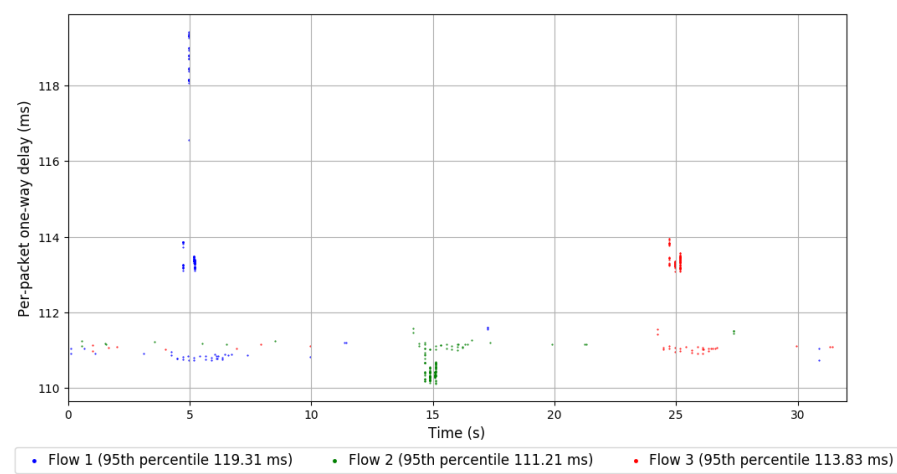
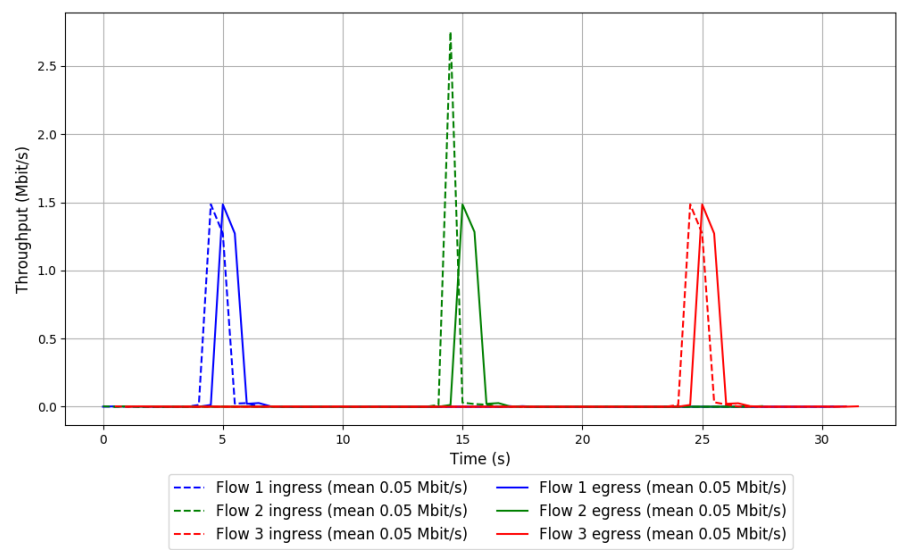


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 02:43:35
End at: 2018-05-22 02:44:05
Local clock offset: -0.254 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-22 07:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 118.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 119.307 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 113.826 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

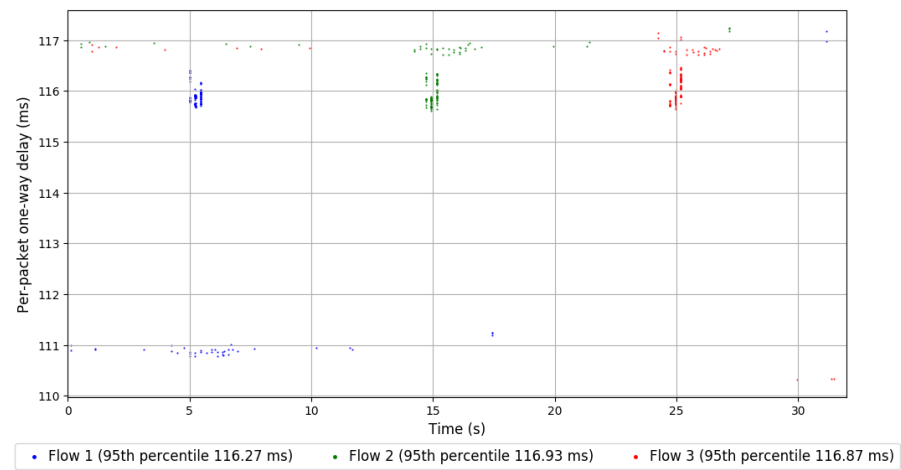
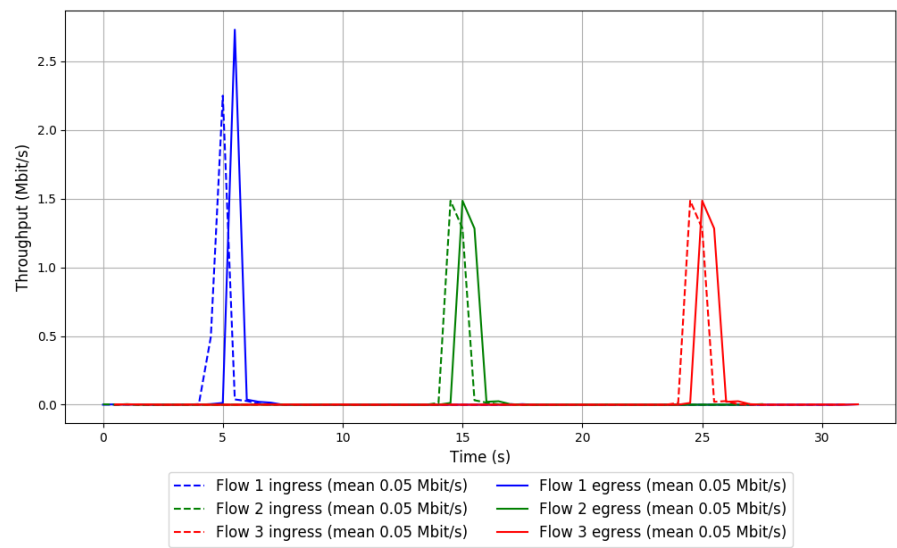


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 03:06:31
End at: 2018-05-22 03:07:01
Local clock offset: -0.058 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-05-22 07:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 116.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.929 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.869 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

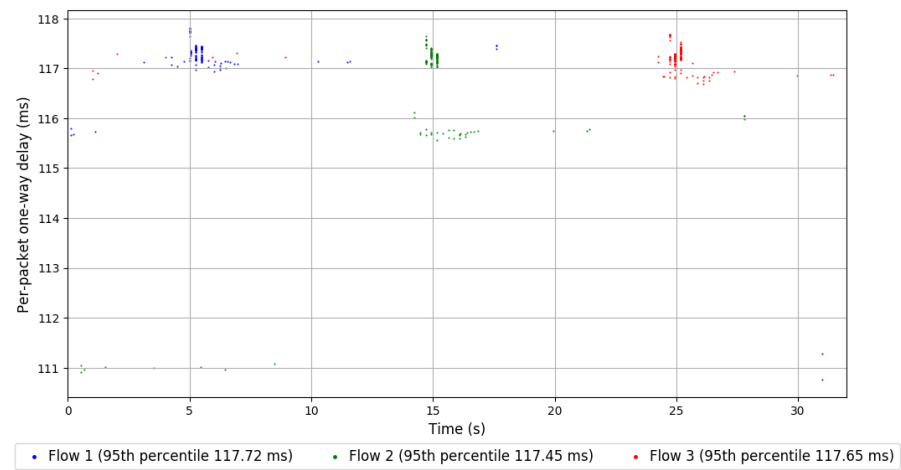
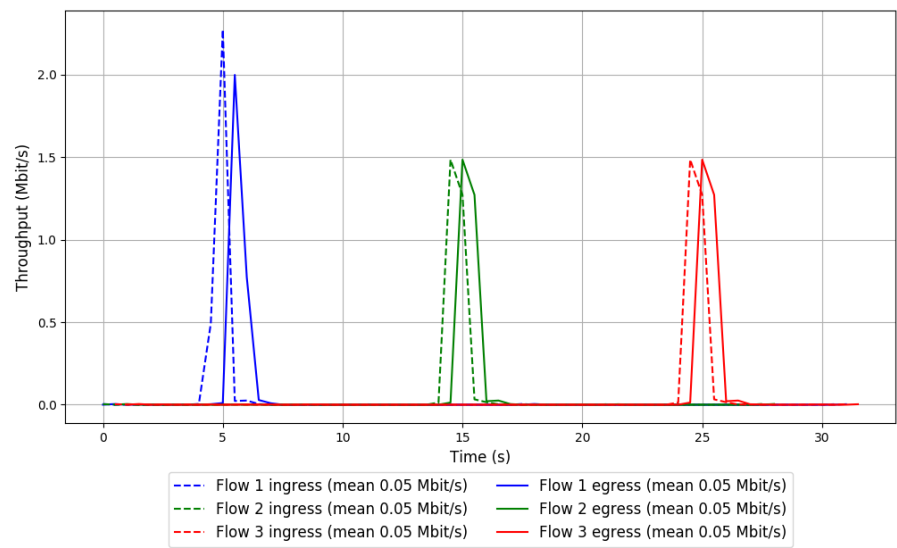


Run 4: Statistics of WebRTC media

Start at: 2018-05-22 03:29:47
End at: 2018-05-22 03:30:17
Local clock offset: 0.145 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-22 07:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 117.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.654 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

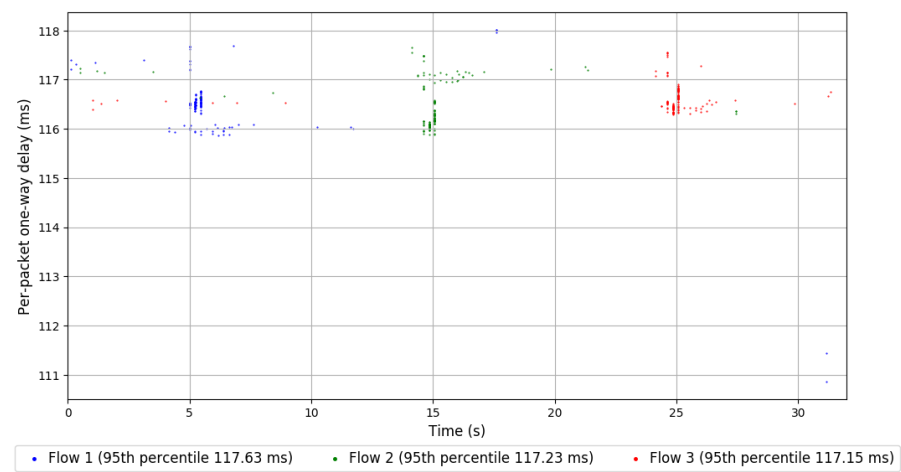
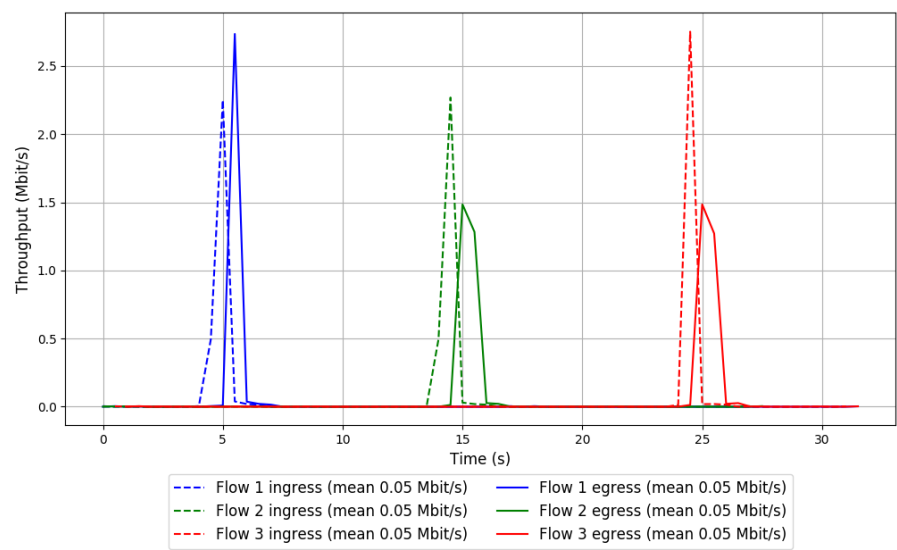


Run 5: Statistics of WebRTC media

Start at: 2018-05-22 03:52:45
End at: 2018-05-22 03:53:15
Local clock offset: 0.075 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-22 07:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 117.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.149 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-22 04:16:30

End at: 2018-05-22 04:17:00

Local clock offset: -0.323 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-22 07:47:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 117.213 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.163 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.281 ms

Loss rate: 0.00%

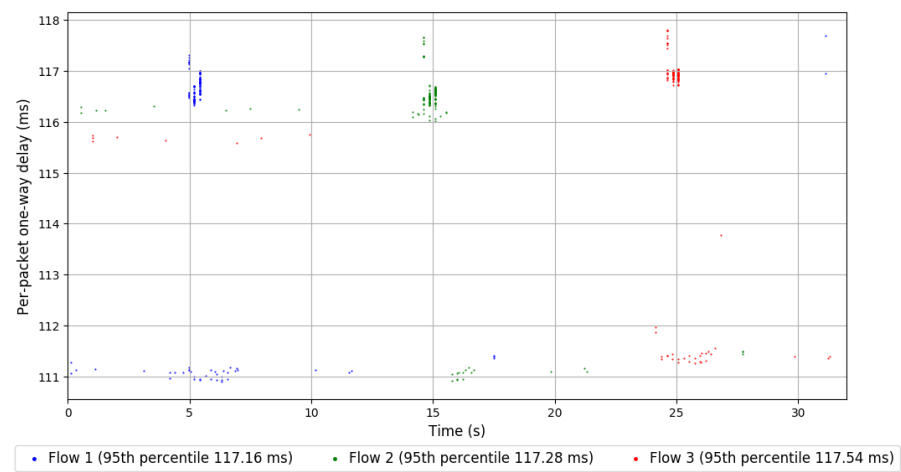
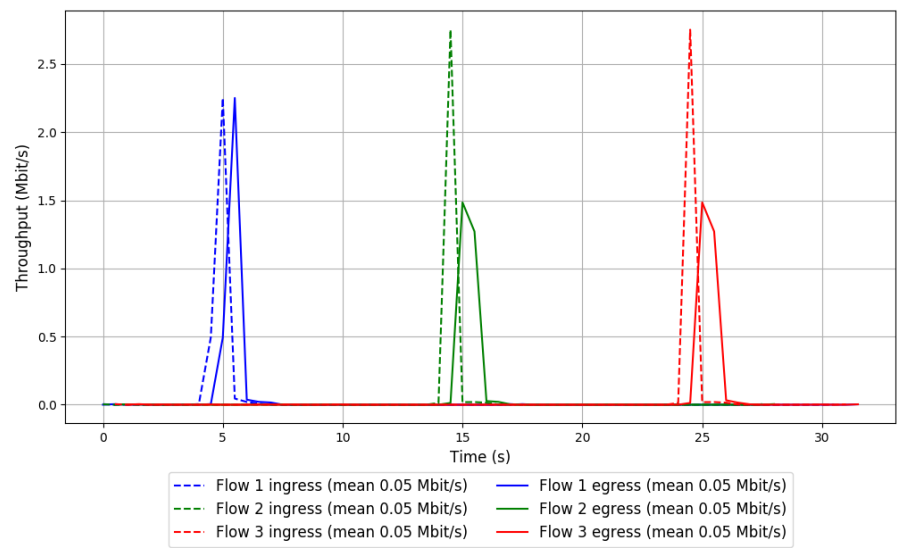
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.537 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

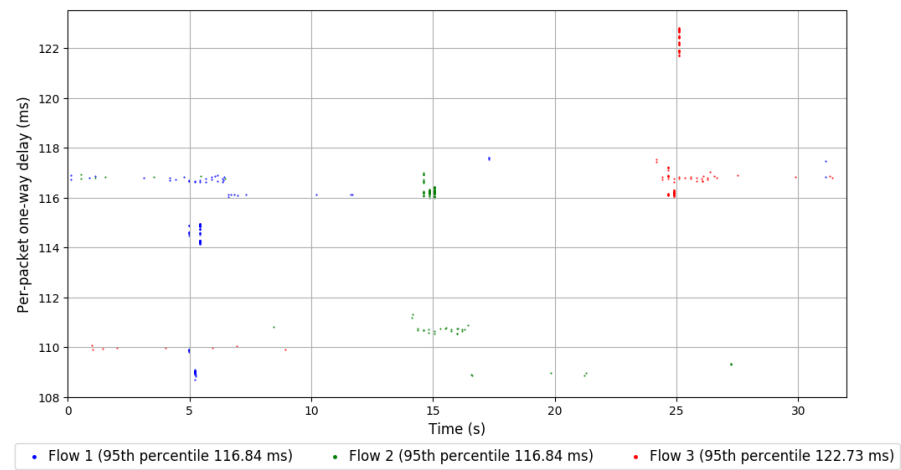
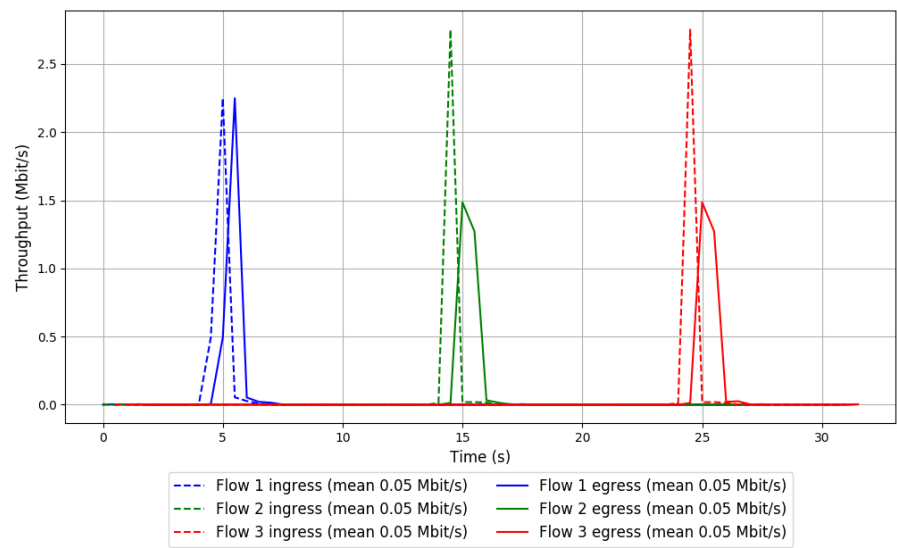


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 04:39:22
End at: 2018-05-22 04:39:52
Local clock offset: -0.044 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-22 07:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 122.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.845 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.837 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 122.729 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-22 05:02:46

End at: 2018-05-22 05:03:16

Local clock offset: -0.15 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-05-22 07:47:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 118.157 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 111.830 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 118.926 ms

Loss rate: 0.00%

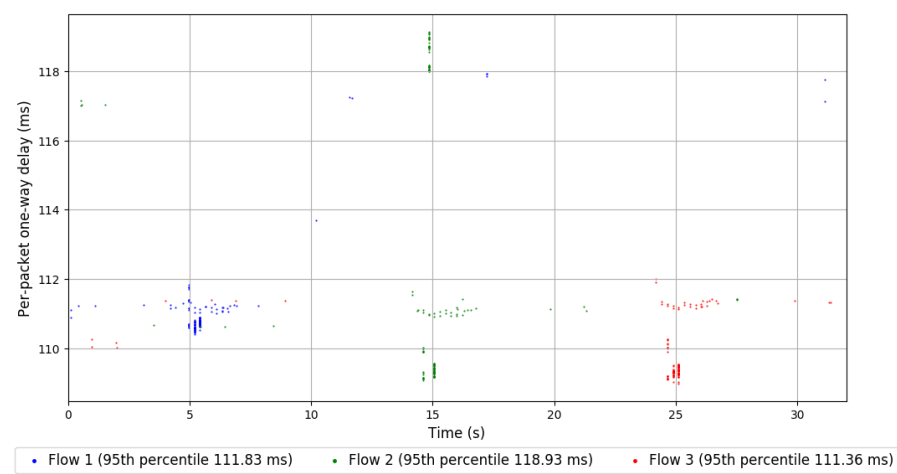
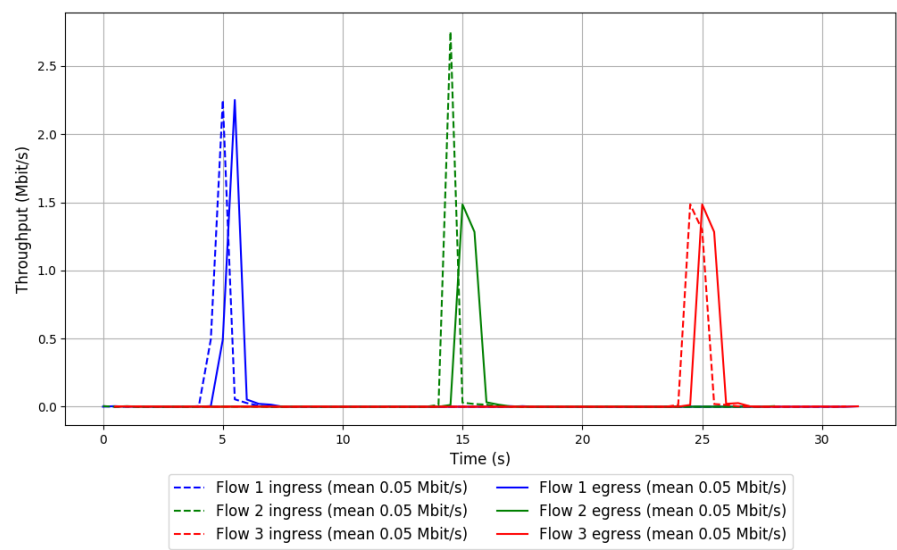
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 111.365 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-22 05:26:04

End at: 2018-05-22 05:26:34

Local clock offset: 0.214 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-05-22 07:47:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 117.450 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 116.086 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.073 ms

Loss rate: 0.00%

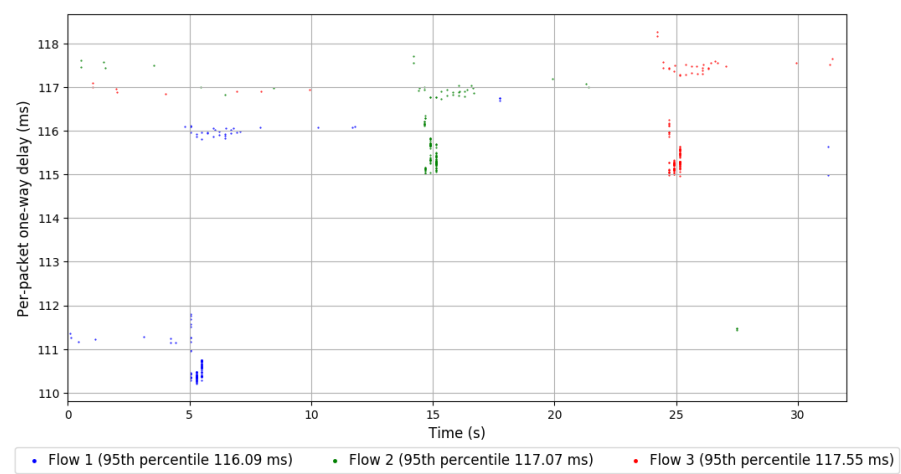
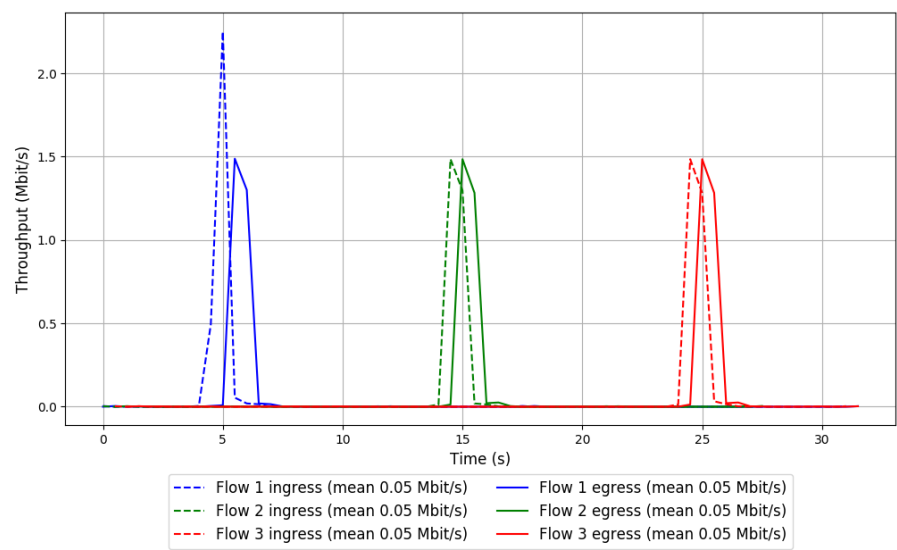
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.548 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 05:49:30
End at: 2018-05-22 05:50:00
Local clock offset: -0.427 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-22 07:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 117.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.069 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.132 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

