

Pantheon Report

Generated at 2018-08-01 11:34:30 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

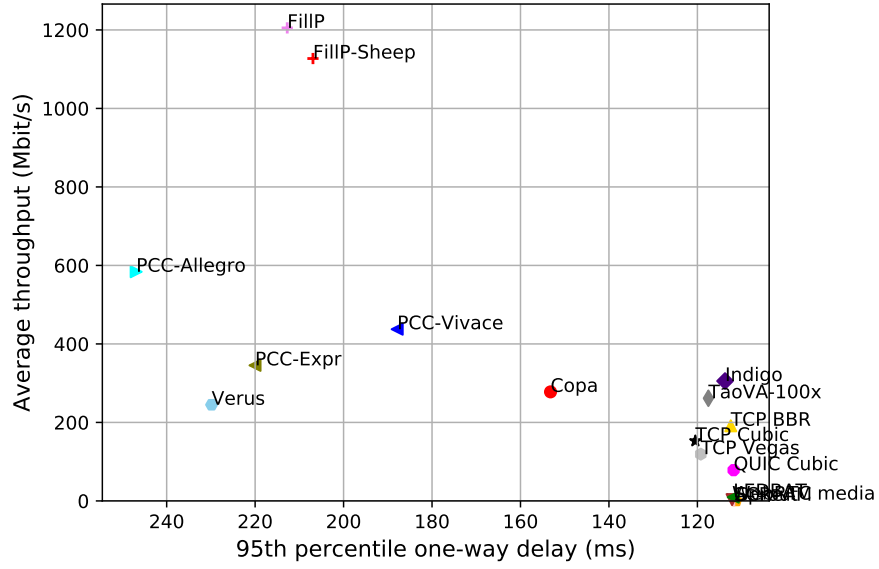
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

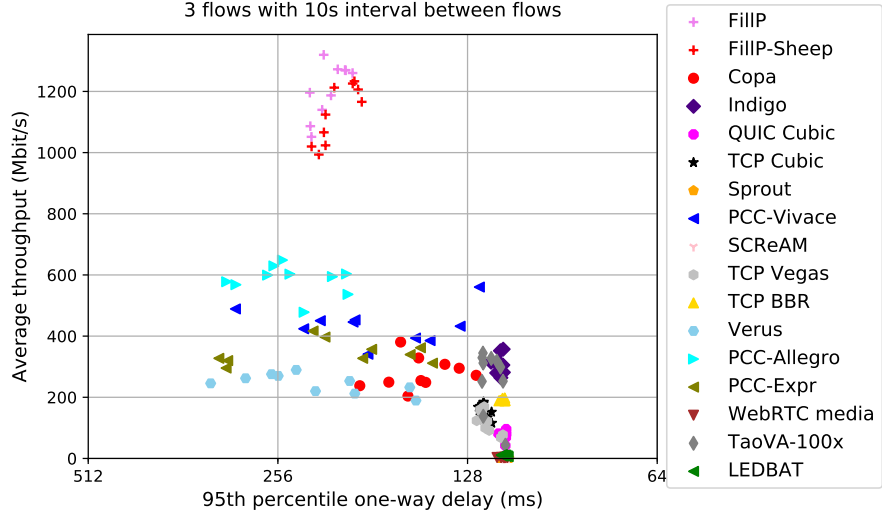
Git summary:

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

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



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



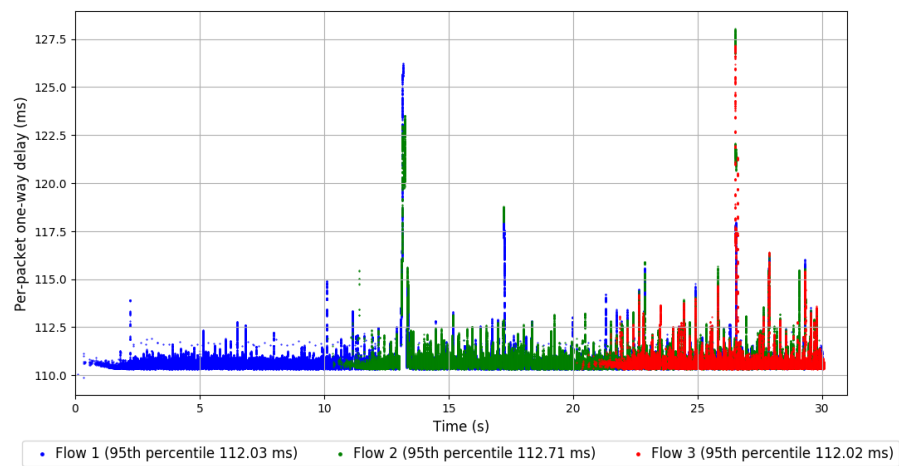
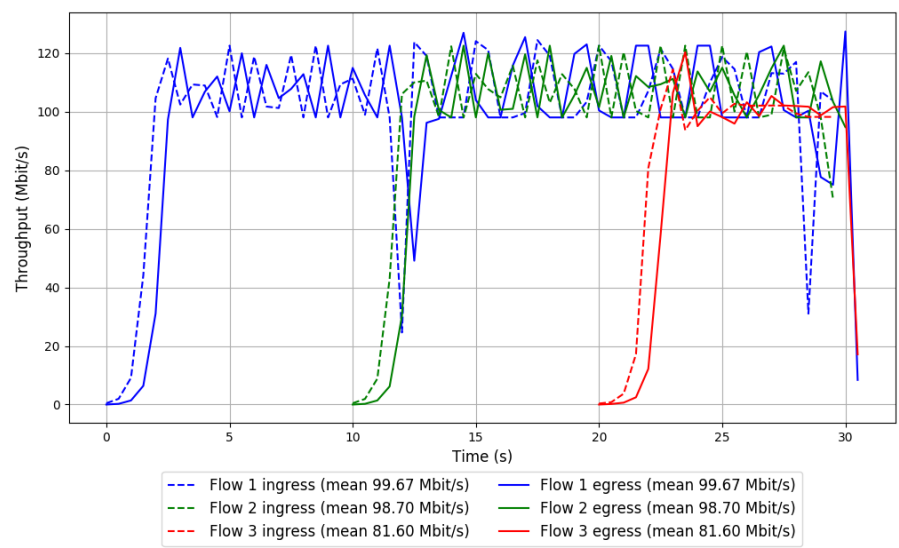
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	98.00	96.91	87.35	112.07	112.73	113.22	0.00	0.00	0.00
Copa	10	150.04	128.48	127.12	135.87	148.64	149.66	0.03	0.01	0.01
TCP Cubic	10	84.47	78.44	49.05	120.16	118.98	118.32	0.00	0.00	0.04
FillP	10	646.68	584.37	511.51	211.98	210.38	207.45	6.03	6.58	5.87
FillP-Sheep	10	630.96	531.85	429.11	202.75	208.71	217.46	3.02	3.22	3.47
Indigo	10	149.38	164.48	147.89	112.95	115.12	114.44	0.00	0.00	0.10
LEDBAT	10	6.32	3.99	1.78	111.95	111.72	111.48	0.00	0.00	0.00
PCC-Allegro	10	449.23	175.99	53.57	255.60	198.78	201.82	3.92	2.08	1.45
PCC-Expr	10	195.81	173.04	104.38	203.35	192.74	156.11	1.02	0.51	0.28
QUIC Cubic	10	44.99	38.97	23.59	111.32	111.20	111.44	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	111.61	111.56	111.20	0.00	0.00	0.00
Sprout	10	0.21	0.21	0.25	111.08	111.13	111.24	0.00	0.00	0.00
TaoVA-100x	10	143.99	127.09	99.21	115.20	118.85	122.40	0.01	0.00	0.00
TCP Vegas	10	59.56	63.15	53.22	116.93	117.01	117.71	0.00	0.02	0.33
Verus	10	149.99	107.22	75.19	212.07	209.62	200.41	2.67	2.95	2.17
PCC-Vivace	10	268.12	195.04	120.05	199.12	175.43	137.50	0.64	0.87	0.00
WebRTC media	10	1.84	1.10	0.38	112.07	111.46	111.31	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 04:59:46
End at: 2018-08-01 05:00:16
Local clock offset: -0.023 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-08-01 09:19:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.76 Mbit/s
95th percentile per-packet one-way delay: 112.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.67 Mbit/s
95th percentile per-packet one-way delay: 112.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.70 Mbit/s
95th percentile per-packet one-way delay: 112.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 112.016 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

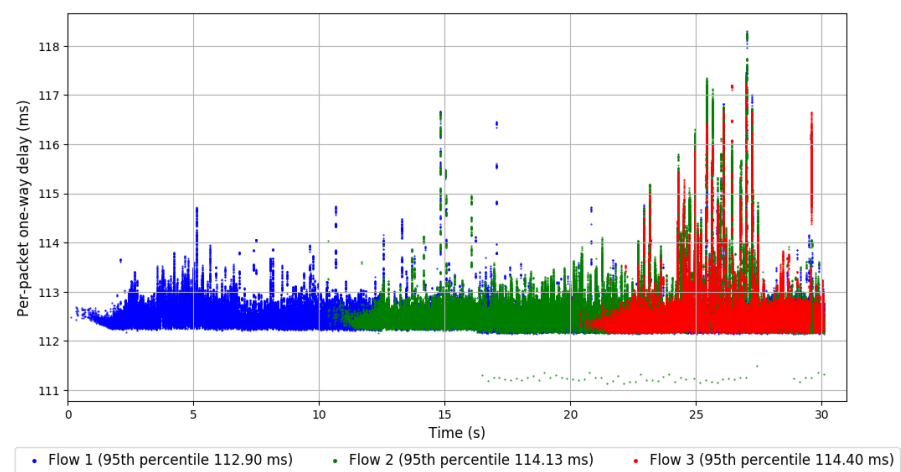
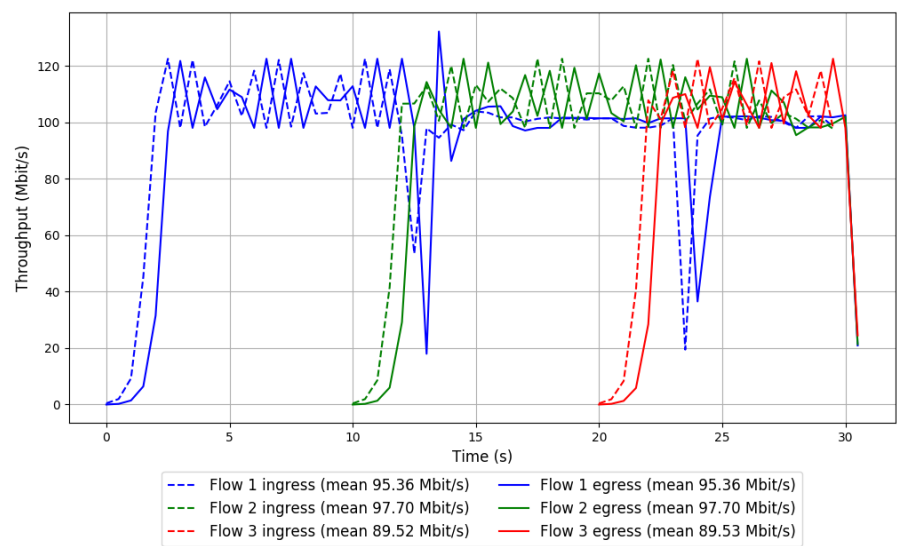


Run 2: Statistics of TCP BBR

Start at: 2018-08-01 05:26:22
End at: 2018-08-01 05:26:52
Local clock offset: -1.387 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-01 09:19:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.05 Mbit/s
95th percentile per-packet one-way delay: 113.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 112.903 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.70 Mbit/s
95th percentile per-packet one-way delay: 114.128 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 114.396 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

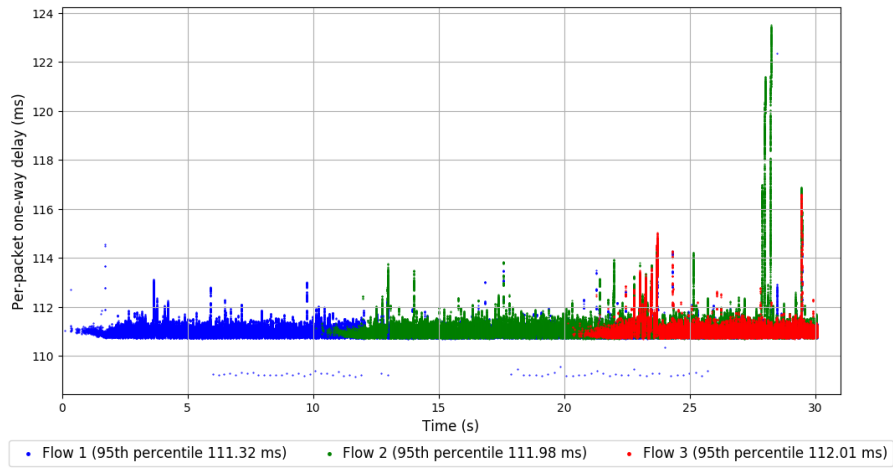
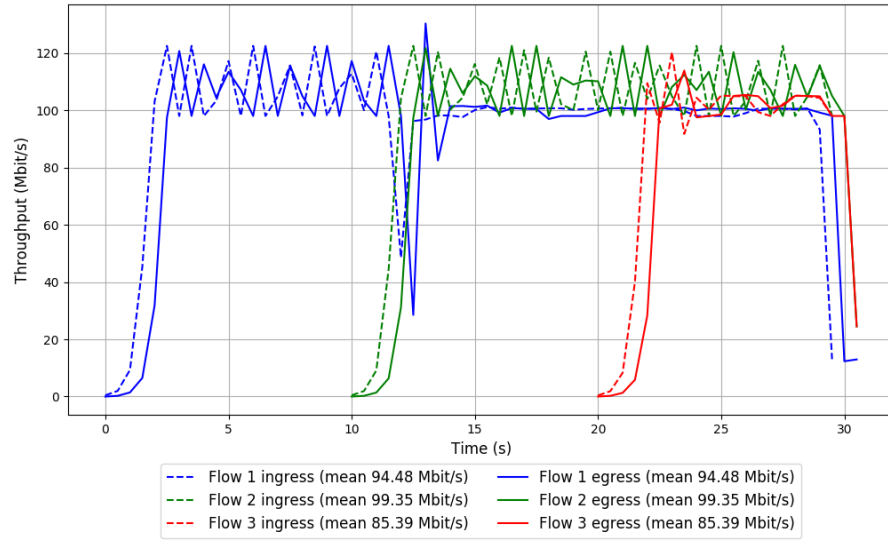


Run 3: Statistics of TCP BBR

Start at: 2018-08-01 05:53:02
End at: 2018-08-01 05:53:32
Local clock offset: 0.009 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-01 09:19:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.85 Mbit/s
95th percentile per-packet one-way delay: 111.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 111.324 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.35 Mbit/s
95th percentile per-packet one-way delay: 111.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 112.008 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

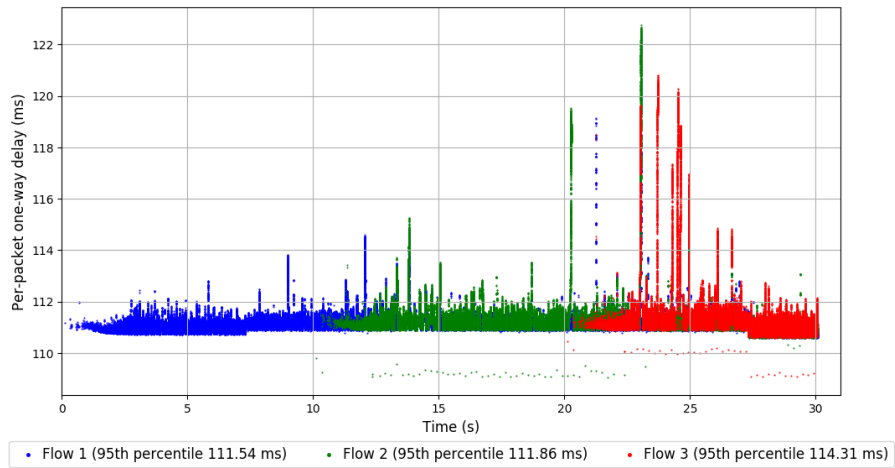
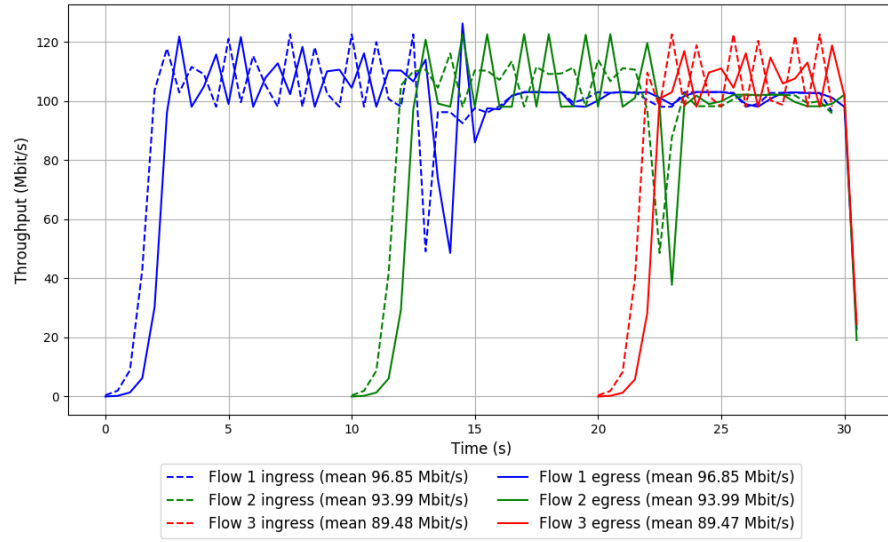


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 06:19:41
End at: 2018-08-01 06:20:11
Local clock offset: 0.046 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-01 09:19:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 189.10 Mbit/s
95th percentile per-packet one-way delay: 111.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 111.544 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 111.861 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 114.309 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

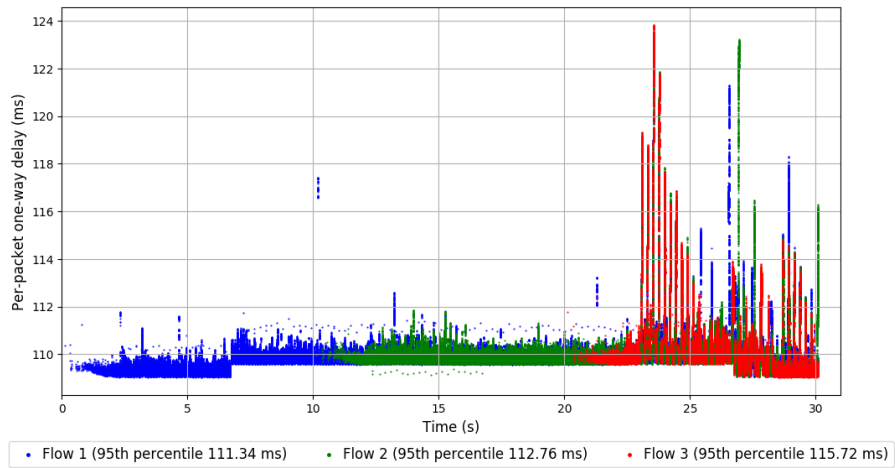
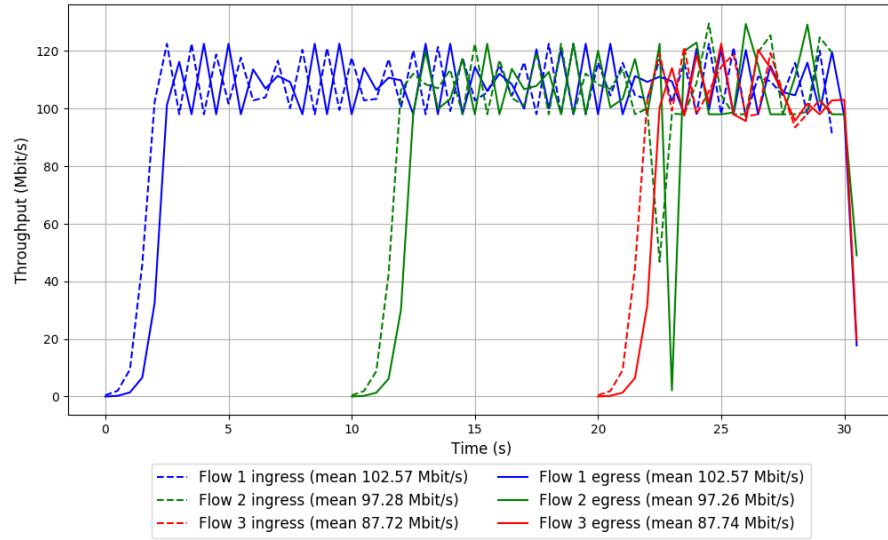


Run 5: Statistics of TCP BBR

Start at: 2018-08-01 06:45:51
End at: 2018-08-01 06:46:21
Local clock offset: -0.046 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-08-01 09:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.52 Mbit/s
95th percentile per-packet one-way delay: 112.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.57 Mbit/s
95th percentile per-packet one-way delay: 111.342 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 112.761 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 115.717 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-01 07:12:05

End at: 2018-08-01 07:12:35

Local clock offset: -0.17 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-01 09:19:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.82 Mbit/s

95th percentile per-packet one-way delay: 111.729 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 110.936 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 112.388 ms

Loss rate: 0.00%

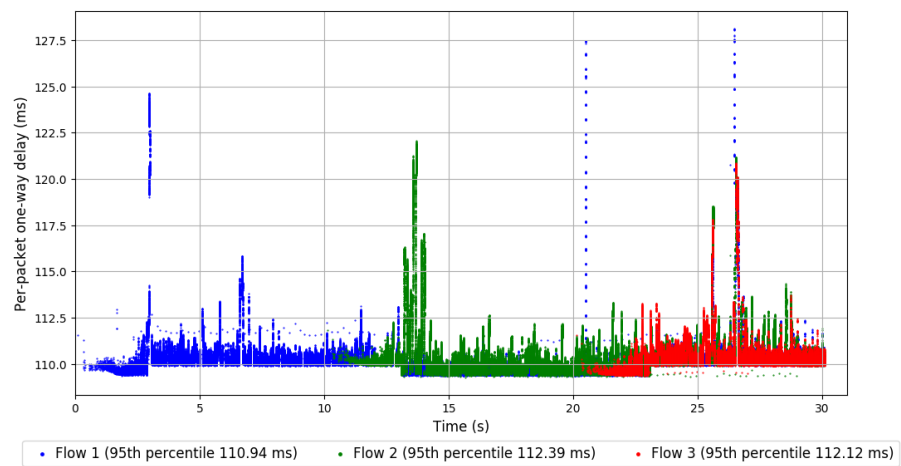
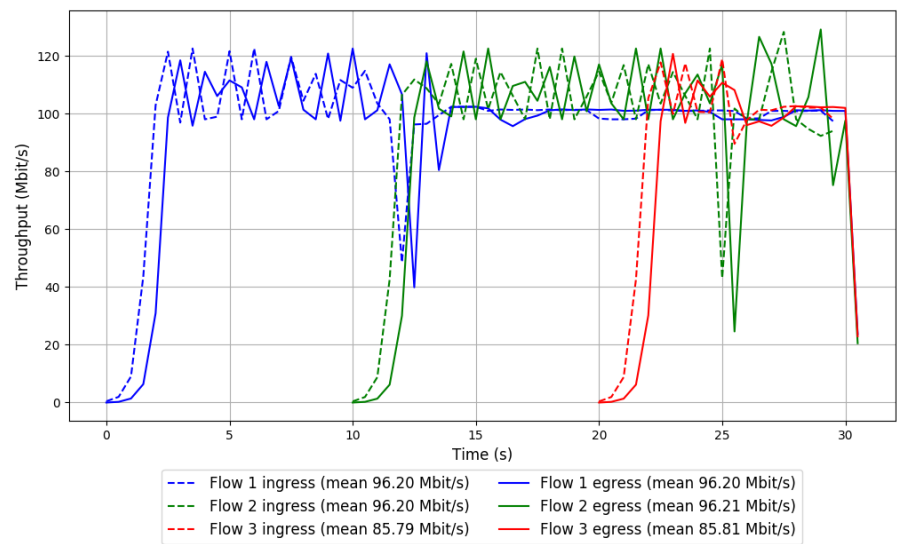
-- Flow 3:

Average throughput: 85.81 Mbit/s

95th percentile per-packet one-way delay: 112.125 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-01 07:38:01

End at: 2018-08-01 07:38:31

Local clock offset: -0.24 ms

Remote clock offset: -0.5 ms

Below is generated by plot.py at 2018-08-01 09:19:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 197.85 Mbit/s

95th percentile per-packet one-way delay: 111.738 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.22 Mbit/s

95th percentile per-packet one-way delay: 111.708 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.27 Mbit/s

95th percentile per-packet one-way delay: 111.549 ms

Loss rate: 0.00%

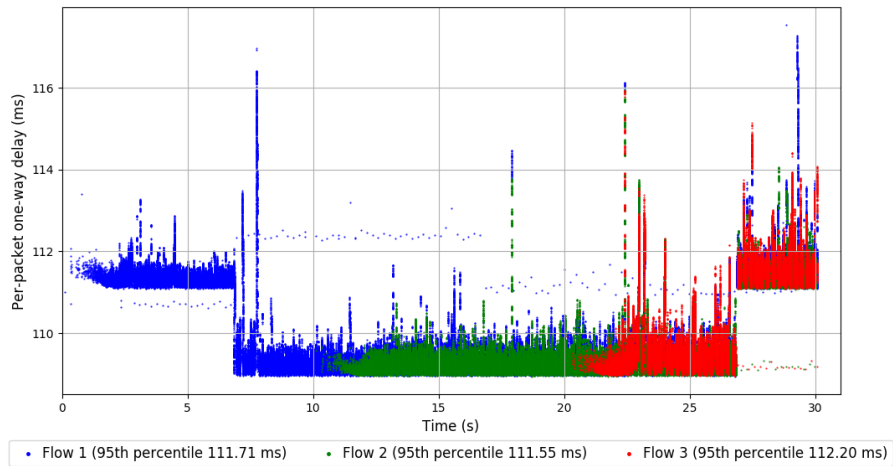
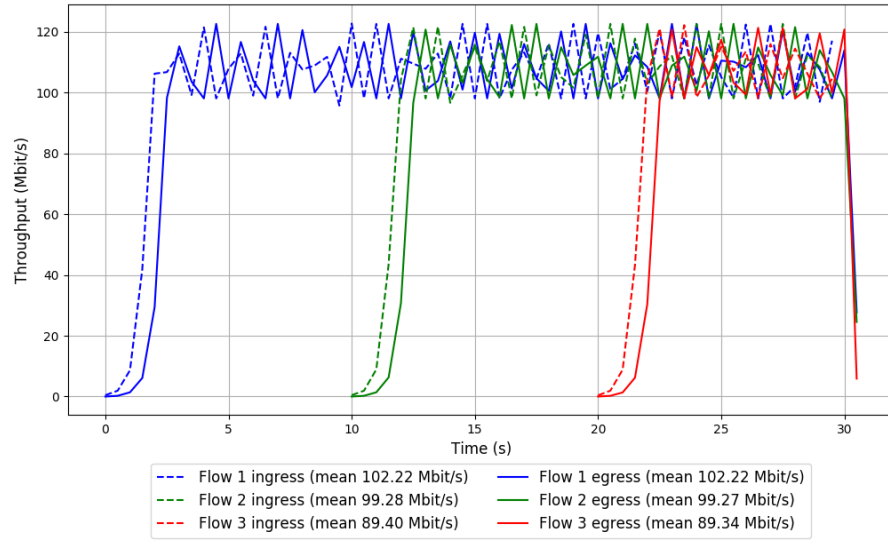
-- Flow 3:

Average throughput: 89.34 Mbit/s

95th percentile per-packet one-way delay: 112.197 ms

Loss rate: 0.03%

Run 7: Report of TCP BBR — Data Link

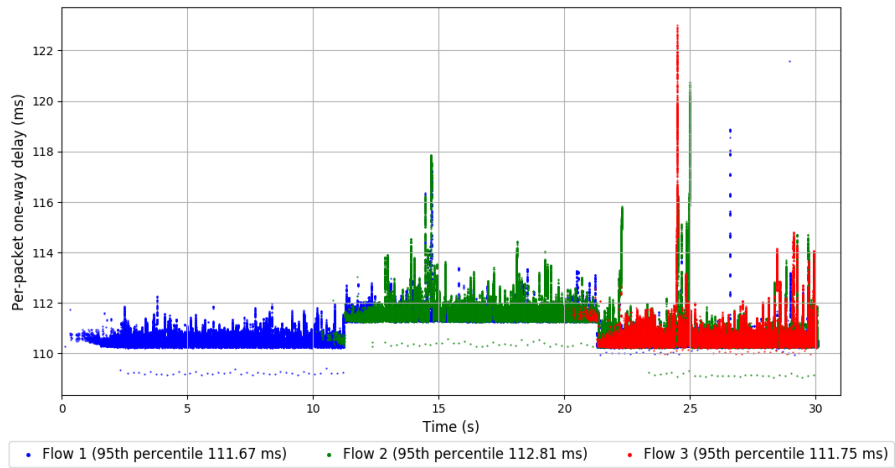
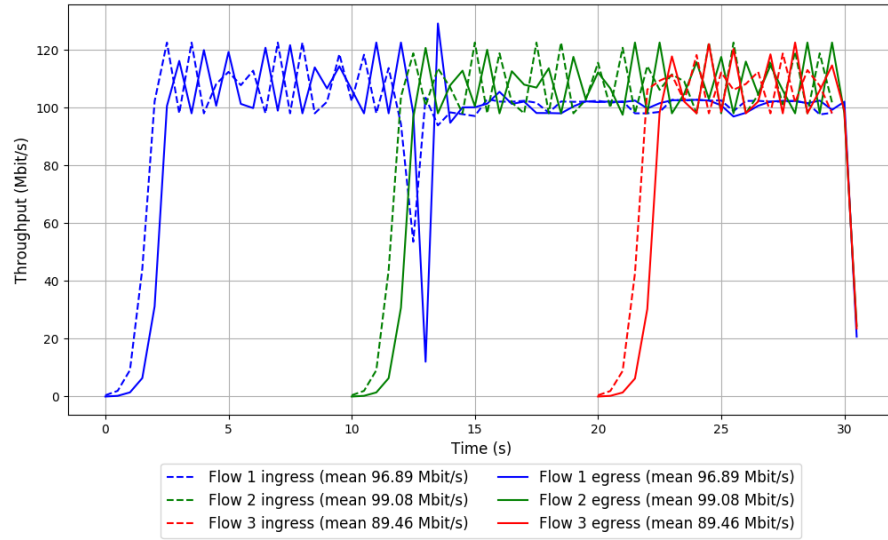


Run 8: Statistics of TCP BBR

Start at: 2018-08-01 08:04:07
End at: 2018-08-01 08:04:37
Local clock offset: -0.302 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2018-08-01 09:19:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.49 Mbit/s
95th percentile per-packet one-way delay: 112.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 111.675 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.08 Mbit/s
95th percentile per-packet one-way delay: 112.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 111.746 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

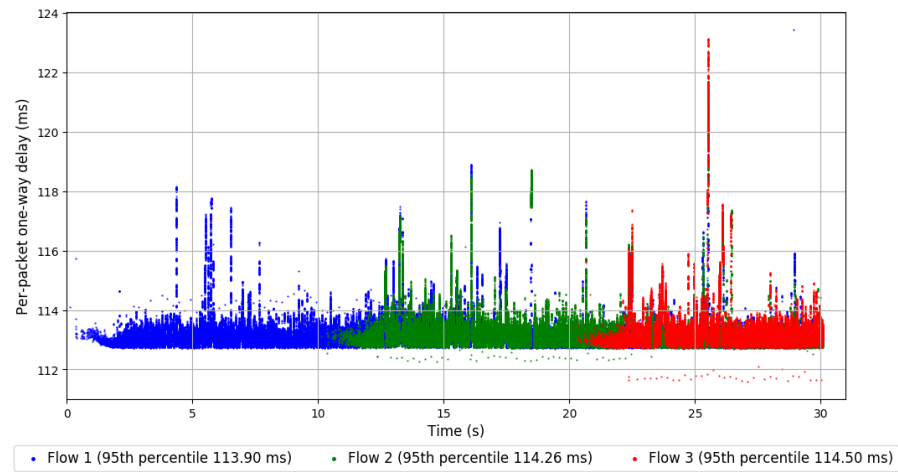
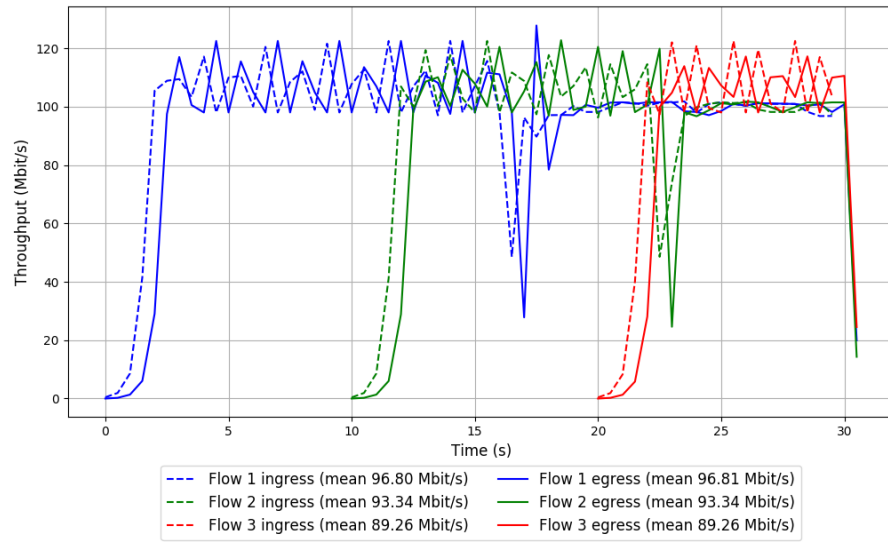


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 08:30:26
End at: 2018-08-01 08:30:56
Local clock offset: -1.249 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-01 09:21:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.53 Mbit/s
95th percentile per-packet one-way delay: 114.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 113.899 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 114.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 114.502 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-01 08:56:17

End at: 2018-08-01 08:56:47

Local clock offset: 0.231 ms

Remote clock offset: 0.504 ms

Below is generated by plot.py at 2018-08-01 09:21:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.05 Mbit/s

95th percentile per-packet one-way delay: 113.136 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 98.91 Mbit/s

95th percentile per-packet one-way delay: 113.360 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 112.794 ms

Loss rate: 0.00%

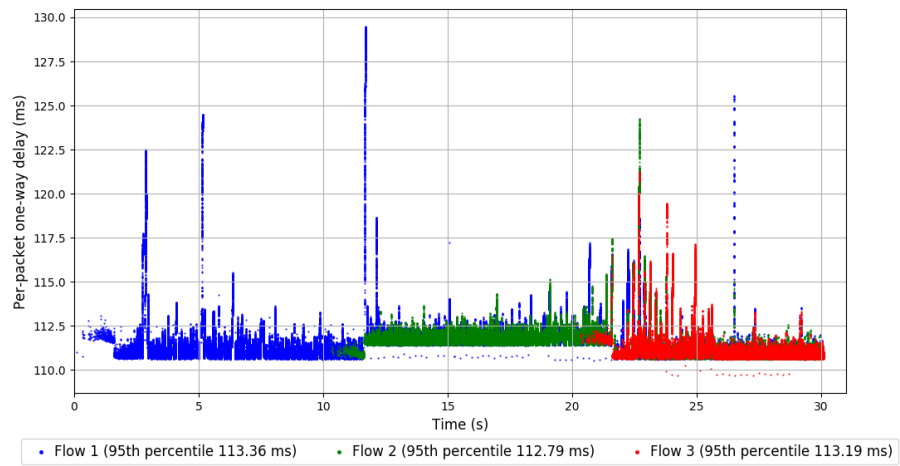
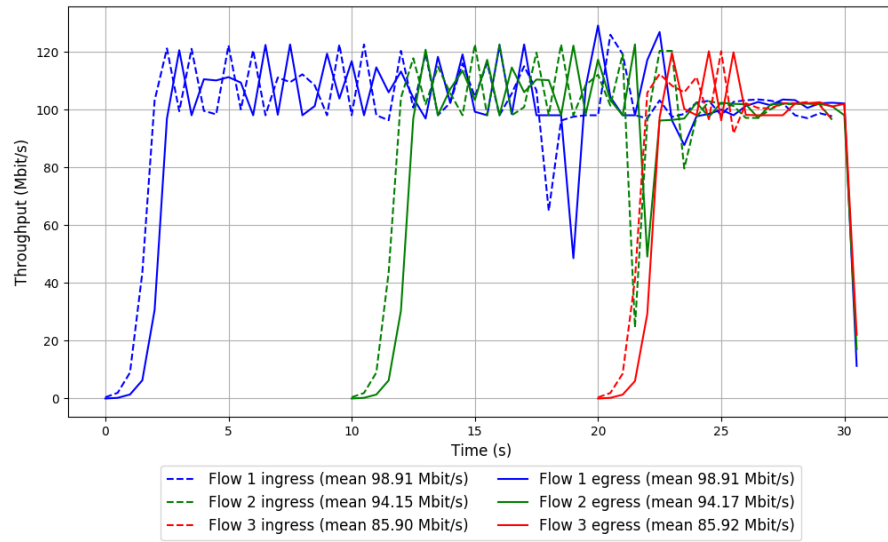
-- Flow 3:

Average throughput: 85.92 Mbit/s

95th percentile per-packet one-way delay: 113.195 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-01 04:40:53

End at: 2018-08-01 04:41:23

Local clock offset: 0.298 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-08-01 09:26:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 249.41 Mbit/s

95th percentile per-packet one-way delay: 170.680 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 109.83 Mbit/s

95th percentile per-packet one-way delay: 138.694 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 133.884 ms

Loss rate: 0.00%

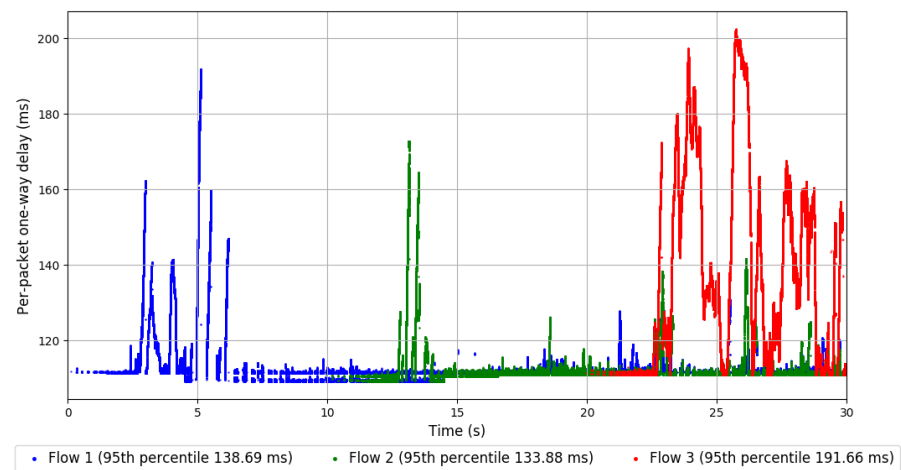
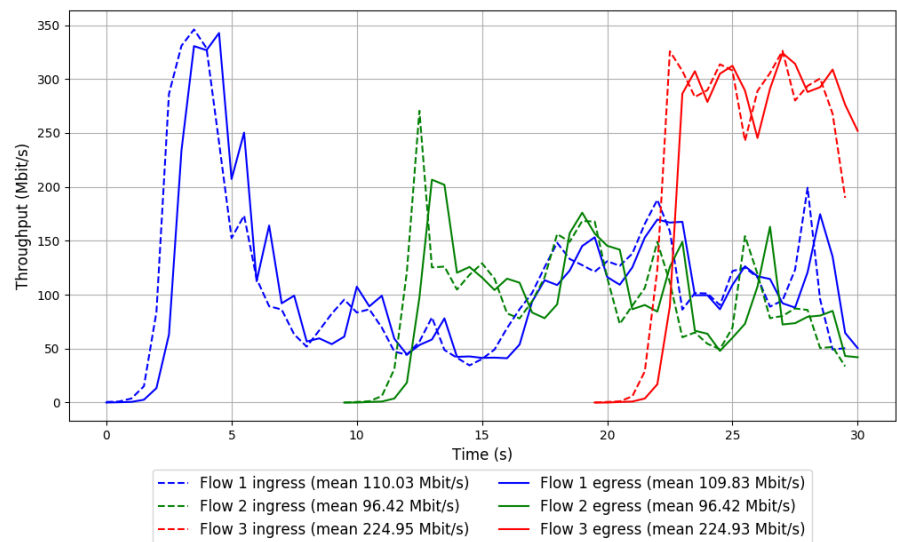
-- Flow 3:

Average throughput: 224.93 Mbit/s

95th percentile per-packet one-way delay: 191.665 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-01 05:07:20

End at: 2018-08-01 05:07:50

Local clock offset: -0.129 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-08-01 09:30:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 380.59 Mbit/s

95th percentile per-packet one-way delay: 163.470 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 194.32 Mbit/s

95th percentile per-packet one-way delay: 134.726 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 195.18 Mbit/s

95th percentile per-packet one-way delay: 161.352 ms

Loss rate: 0.00%

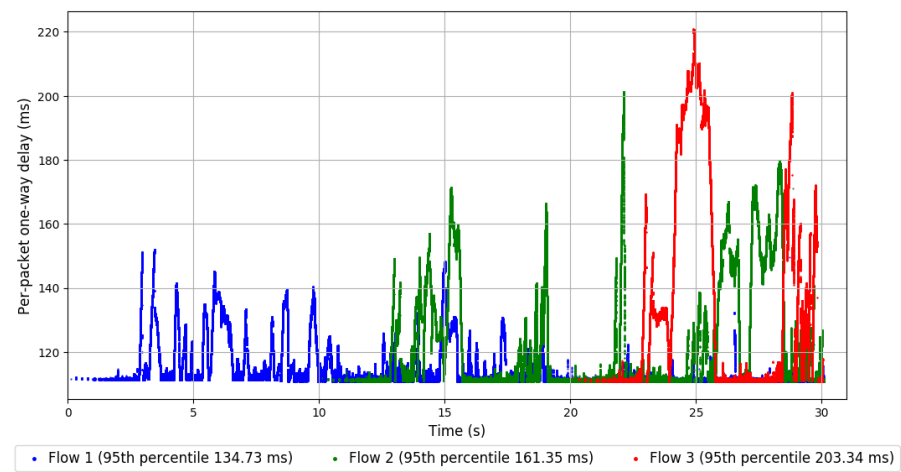
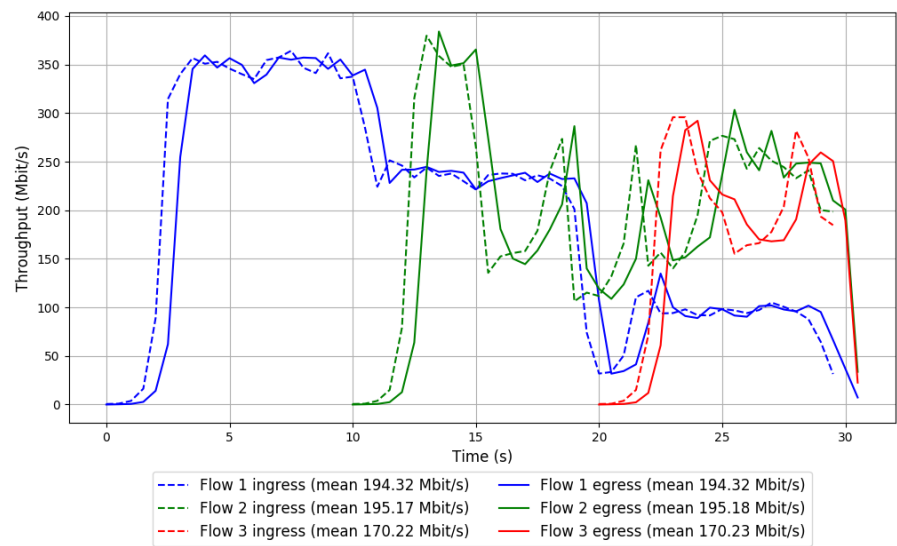
-- Flow 3:

Average throughput: 170.23 Mbit/s

95th percentile per-packet one-way delay: 203.345 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

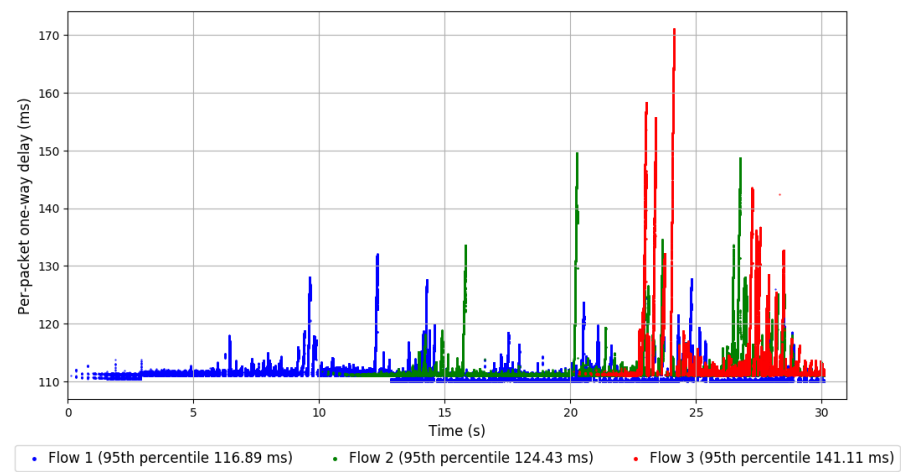
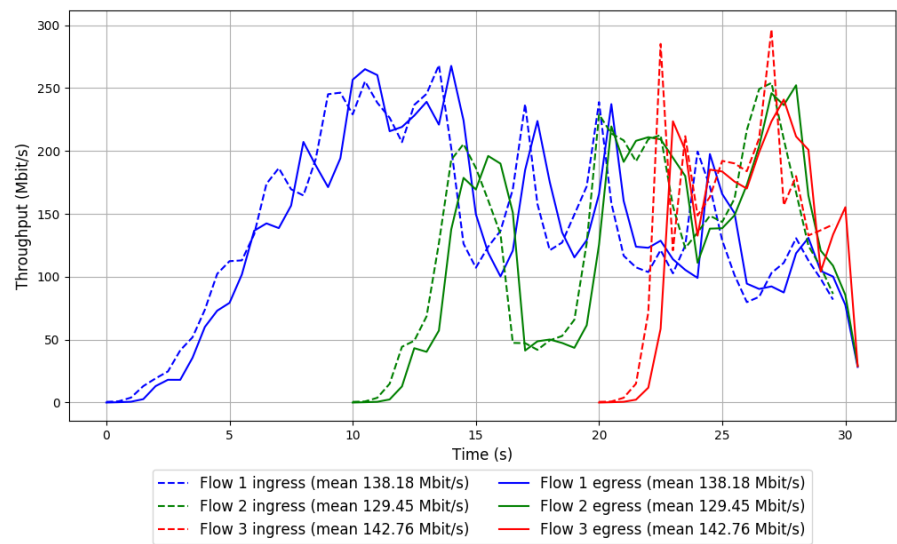


Run 3: Statistics of Copa

Start at: 2018-08-01 05:33:55
End at: 2018-08-01 05:34:25
Local clock offset: -0.239 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-01 09:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.80 Mbit/s
95th percentile per-packet one-way delay: 124.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.18 Mbit/s
95th percentile per-packet one-way delay: 116.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.45 Mbit/s
95th percentile per-packet one-way delay: 124.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.76 Mbit/s
95th percentile per-packet one-way delay: 141.108 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

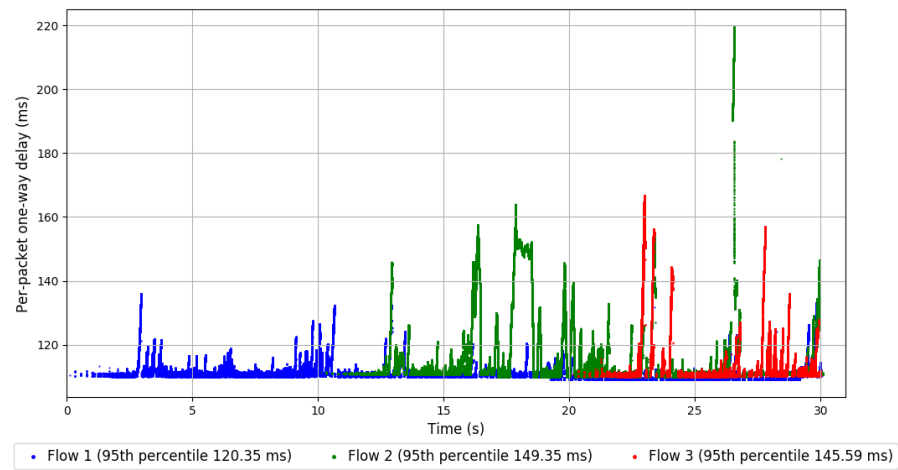
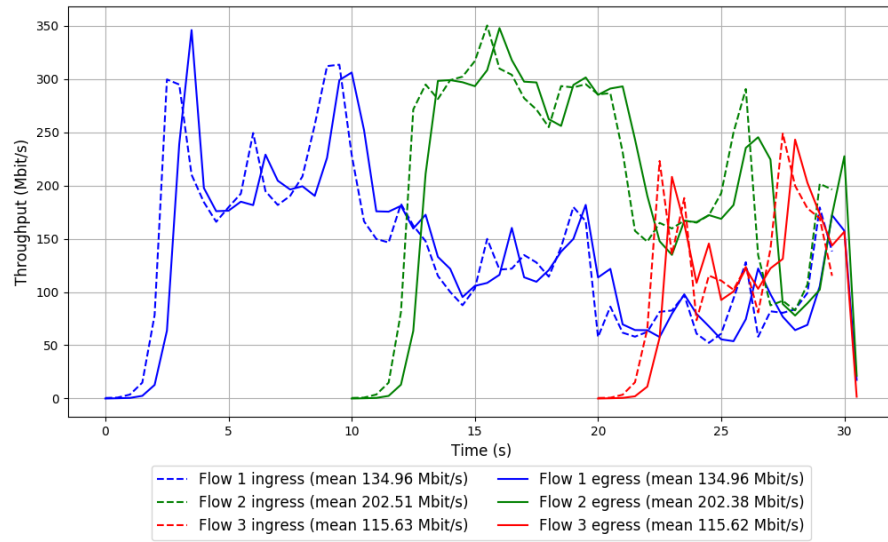


Run 4: Statistics of Copa

Start at: 2018-08-01 06:00:41
End at: 2018-08-01 06:01:11
Local clock offset: -0.082 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-01 09:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.79 Mbit/s
95th percentile per-packet one-way delay: 139.057 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 134.96 Mbit/s
95th percentile per-packet one-way delay: 120.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 202.38 Mbit/s
95th percentile per-packet one-way delay: 149.347 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 115.62 Mbit/s
95th percentile per-packet one-way delay: 145.595 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

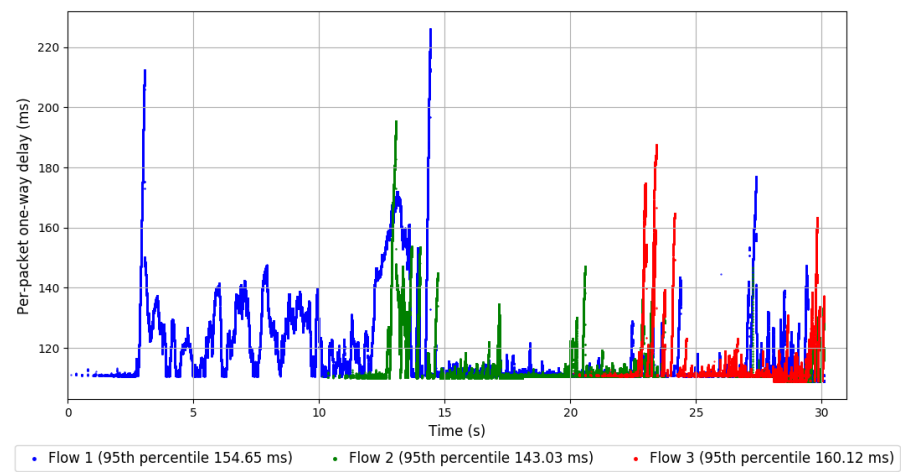
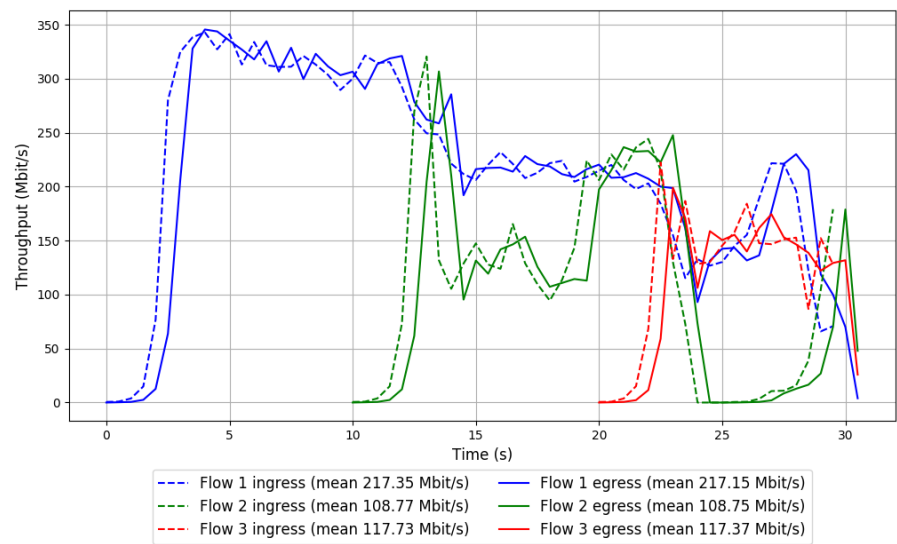


Run 5: Statistics of Copa

Start at: 2018-08-01 06:27:20
End at: 2018-08-01 06:27:50
Local clock offset: -0.03 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-08-01 09:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.60 Mbit/s
95th percentile per-packet one-way delay: 153.036 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 217.15 Mbit/s
95th percentile per-packet one-way delay: 154.647 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 108.75 Mbit/s
95th percentile per-packet one-way delay: 143.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.37 Mbit/s
95th percentile per-packet one-way delay: 160.122 ms
Loss rate: 0.13%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-01 06:53:12

End at: 2018-08-01 06:53:42

Local clock offset: 1.123 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-08-01 09:30:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 254.68 Mbit/s

95th percentile per-packet one-way delay: 151.781 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 143.02 Mbit/s

95th percentile per-packet one-way delay: 140.350 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 160.170 ms

Loss rate: 0.00%

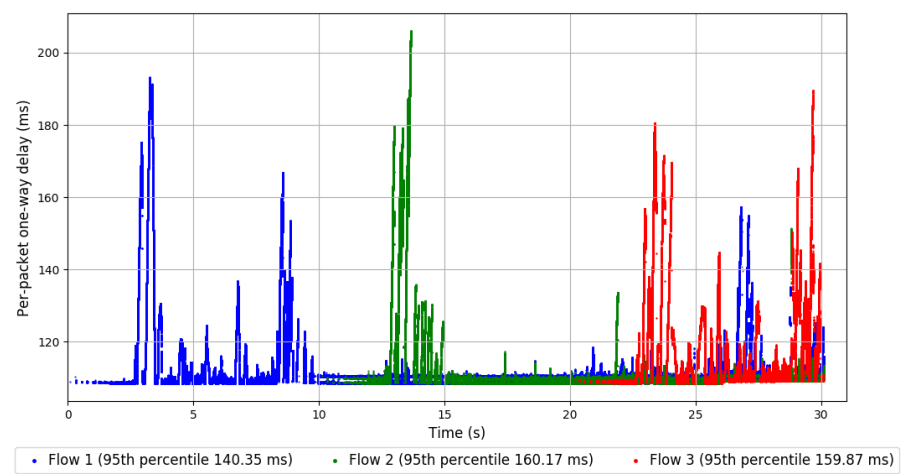
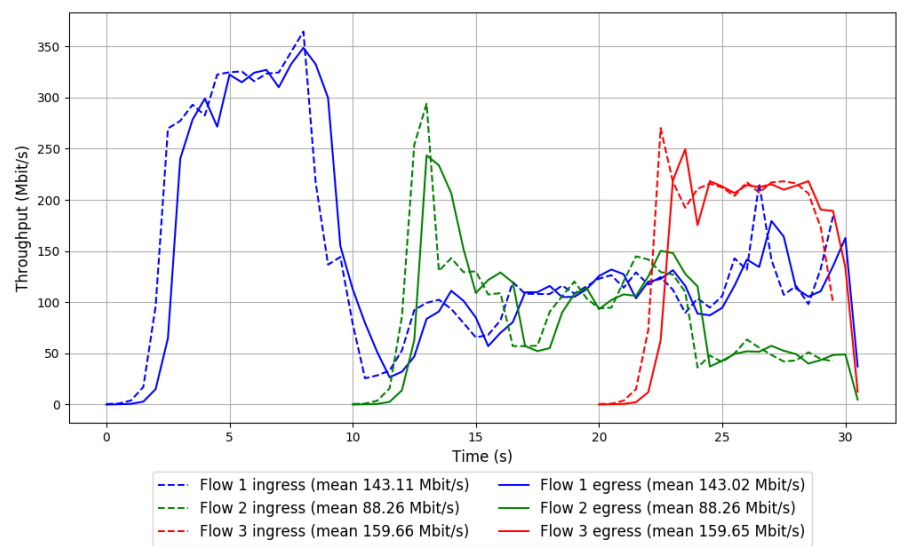
-- Flow 3:

Average throughput: 159.65 Mbit/s

95th percentile per-packet one-way delay: 159.874 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-01 07:19:25

End at: 2018-08-01 07:19:55

Local clock offset: 0.199 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-08-01 09:30:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 203.96 Mbit/s

95th percentile per-packet one-way delay: 159.153 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 122.86 Mbit/s

95th percentile per-packet one-way delay: 140.867 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.98 Mbit/s

95th percentile per-packet one-way delay: 163.437 ms

Loss rate: 0.00%

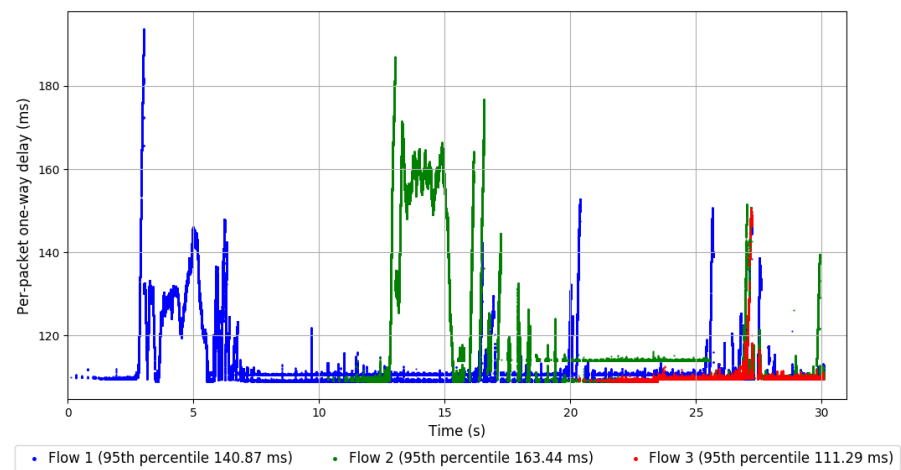
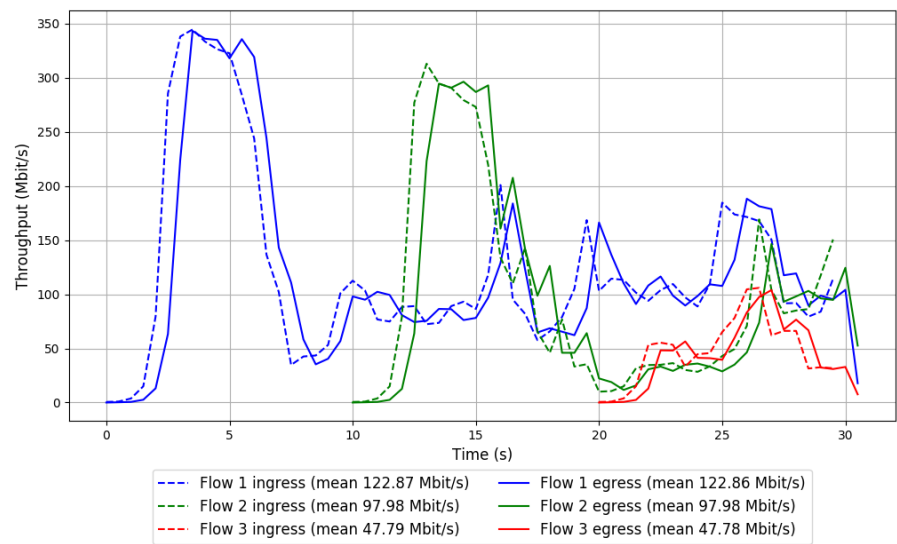
-- Flow 3:

Average throughput: 47.78 Mbit/s

95th percentile per-packet one-way delay: 111.289 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

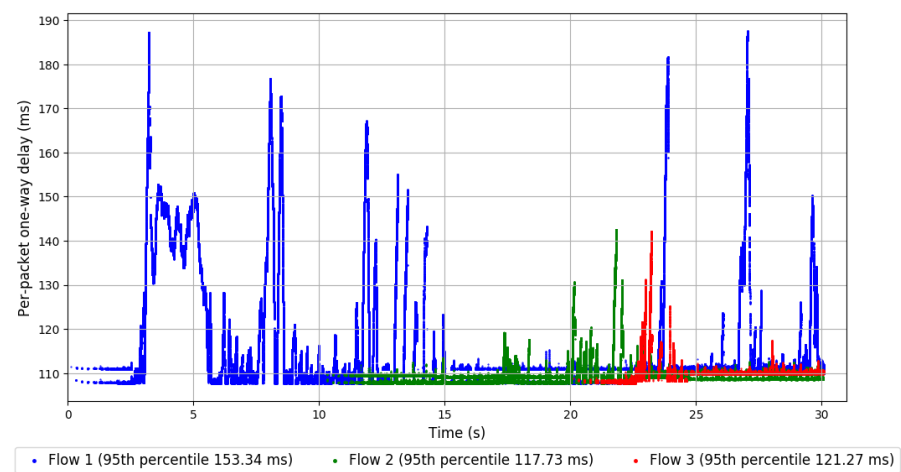
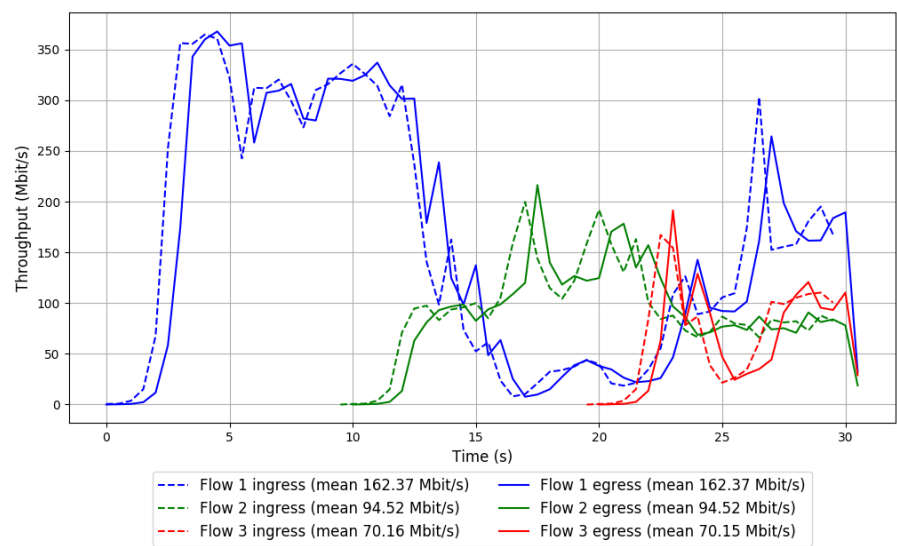


Run 8: Statistics of Copa

Start at: 2018-08-01 07:45:26
End at: 2018-08-01 07:45:56
Local clock offset: 1.036 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-08-01 09:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.72 Mbit/s
95th percentile per-packet one-way delay: 149.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.37 Mbit/s
95th percentile per-packet one-way delay: 153.339 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 117.734 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 121.267 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

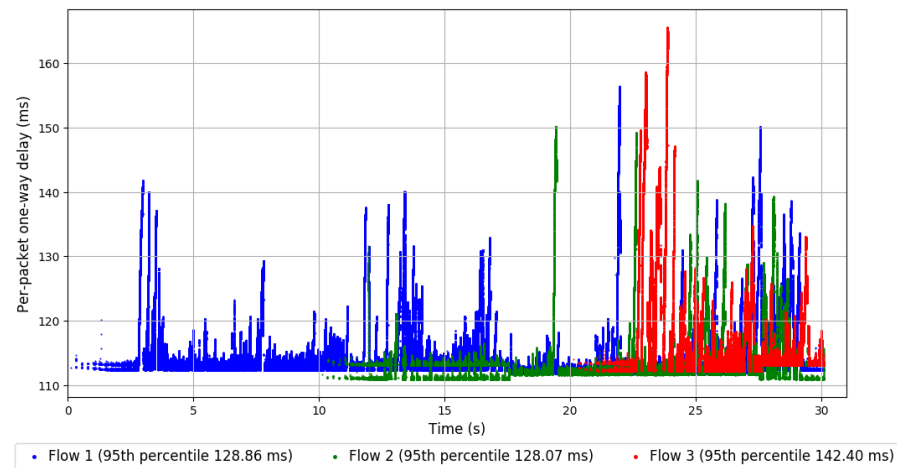
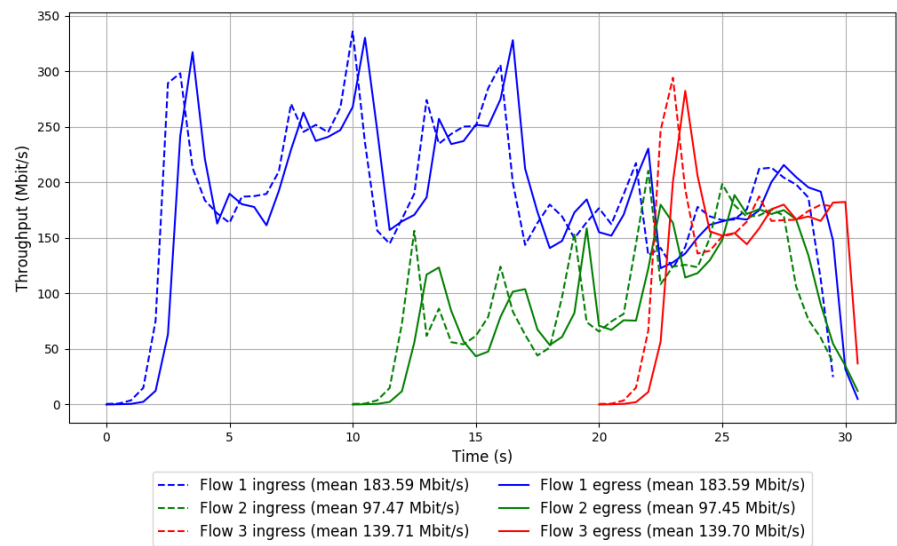


Run 9: Statistics of Copa

Start at: 2018-08-01 08:11:31
End at: 2018-08-01 08:12:01
Local clock offset: -1.381 ms
Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.93 Mbit/s
95th percentile per-packet one-way delay: 131.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.59 Mbit/s
95th percentile per-packet one-way delay: 128.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 128.069 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 139.70 Mbit/s
95th percentile per-packet one-way delay: 142.398 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

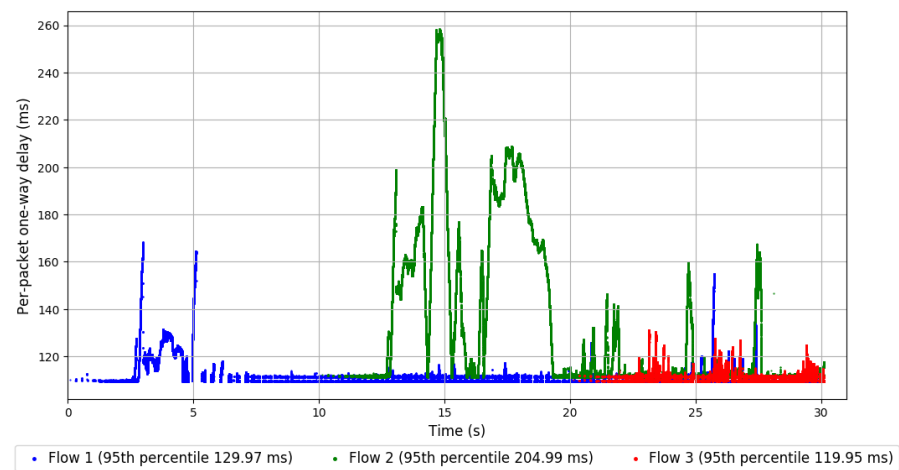
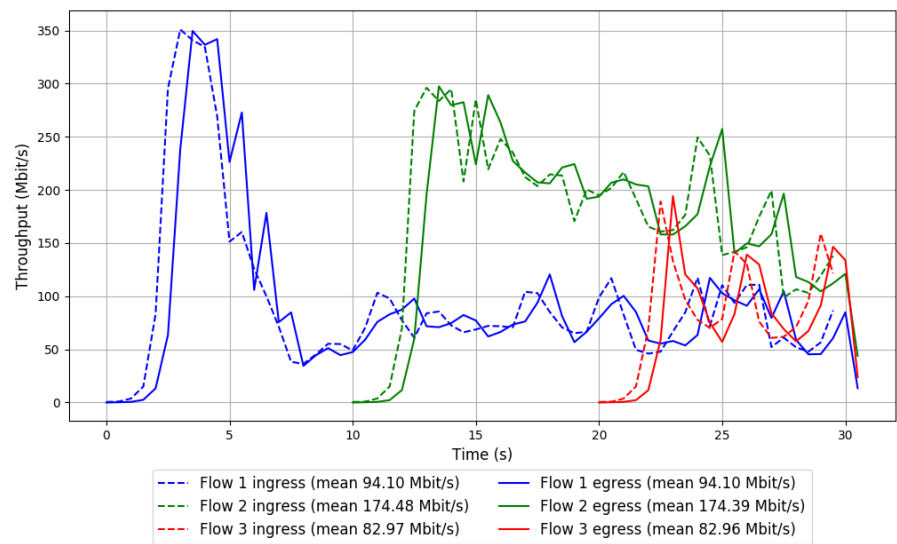


Run 10: Statistics of Copa

Start at: 2018-08-01 08:37:44
End at: 2018-08-01 08:38:14
Local clock offset: -0.172 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.81 Mbit/s
95th percentile per-packet one-way delay: 189.784 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 129.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.39 Mbit/s
95th percentile per-packet one-way delay: 204.994 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 82.96 Mbit/s
95th percentile per-packet one-way delay: 119.952 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

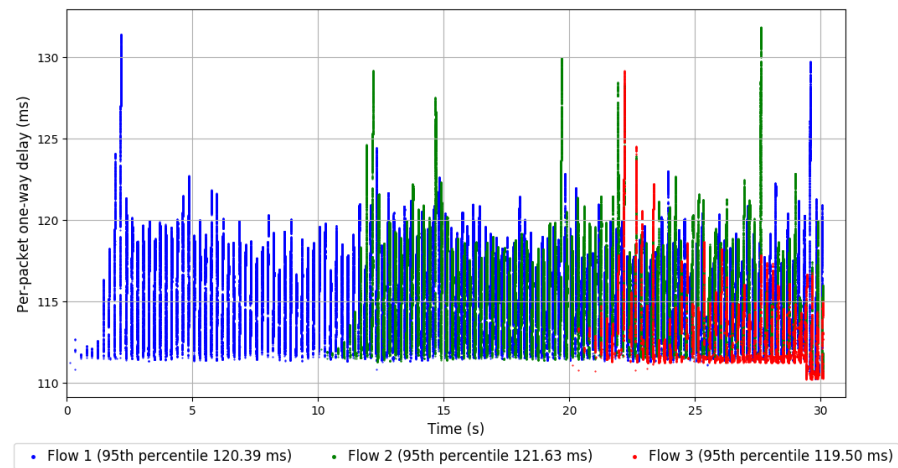
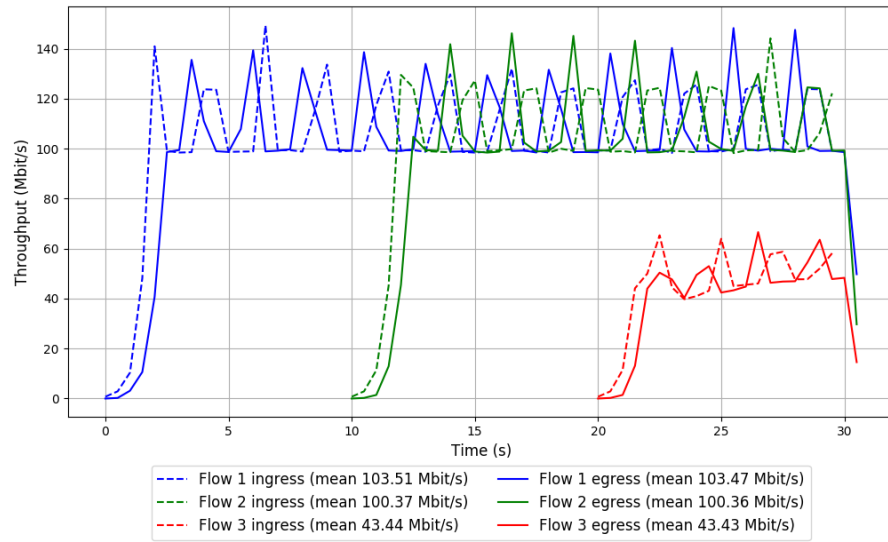


Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 04:56:49
End at: 2018-08-01 04:57:19
Local clock offset: 0.103 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.65 Mbit/s
95th percentile per-packet one-way delay: 120.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.47 Mbit/s
95th percentile per-packet one-way delay: 120.394 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 100.36 Mbit/s
95th percentile per-packet one-way delay: 121.627 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.43 Mbit/s
95th percentile per-packet one-way delay: 119.505 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

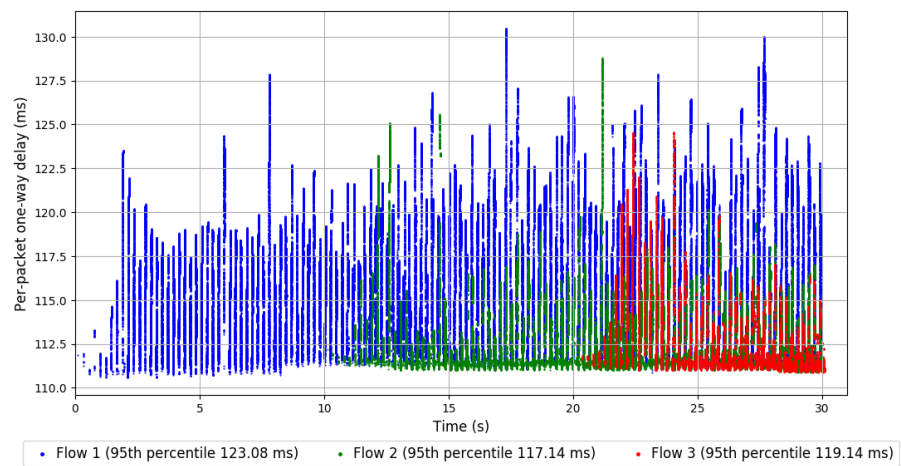
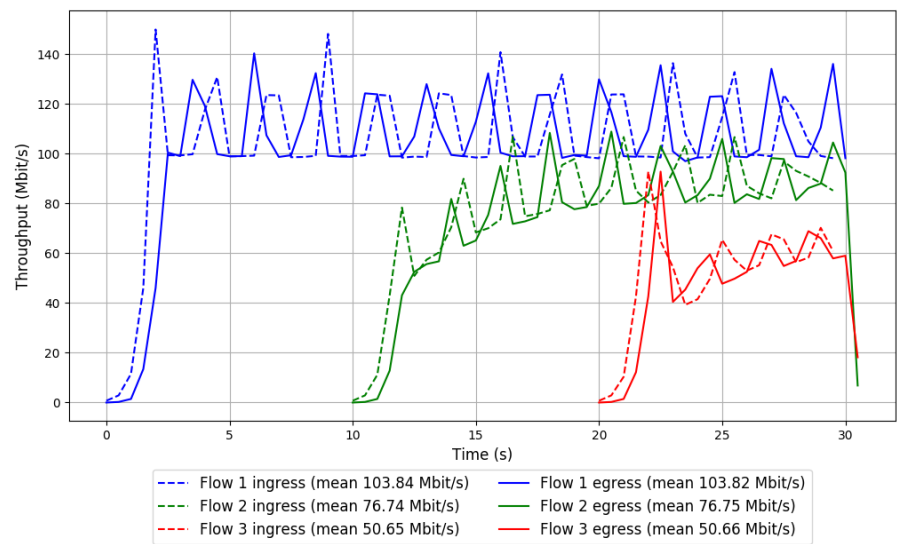


Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 05:23:20
End at: 2018-08-01 05:23:50
Local clock offset: -0.173 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.24 Mbit/s
95th percentile per-packet one-way delay: 122.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.82 Mbit/s
95th percentile per-packet one-way delay: 123.077 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 117.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.66 Mbit/s
95th percentile per-packet one-way delay: 119.138 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 05:50:01

End at: 2018-08-01 05:50:31

Local clock offset: 0.128 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-08-01 09:35:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.33 Mbit/s

95th percentile per-packet one-way delay: 119.090 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 66.05 Mbit/s

95th percentile per-packet one-way delay: 121.007 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.00 Mbit/s

95th percentile per-packet one-way delay: 116.254 ms

Loss rate: 0.01%

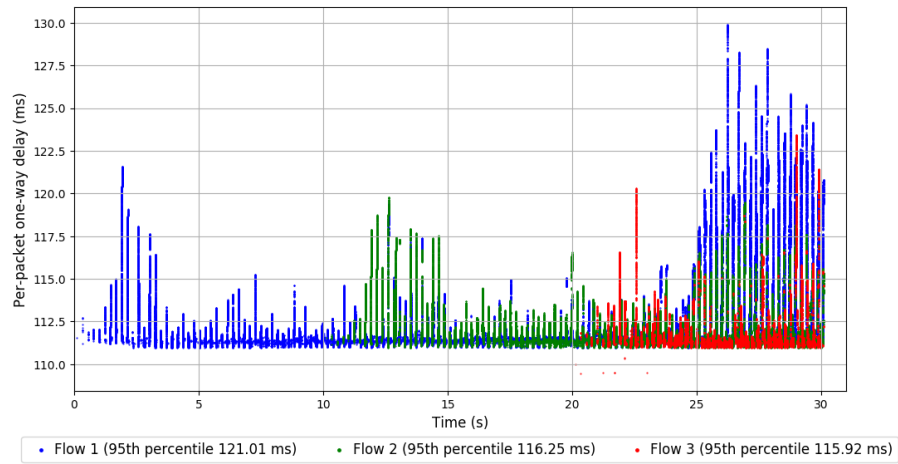
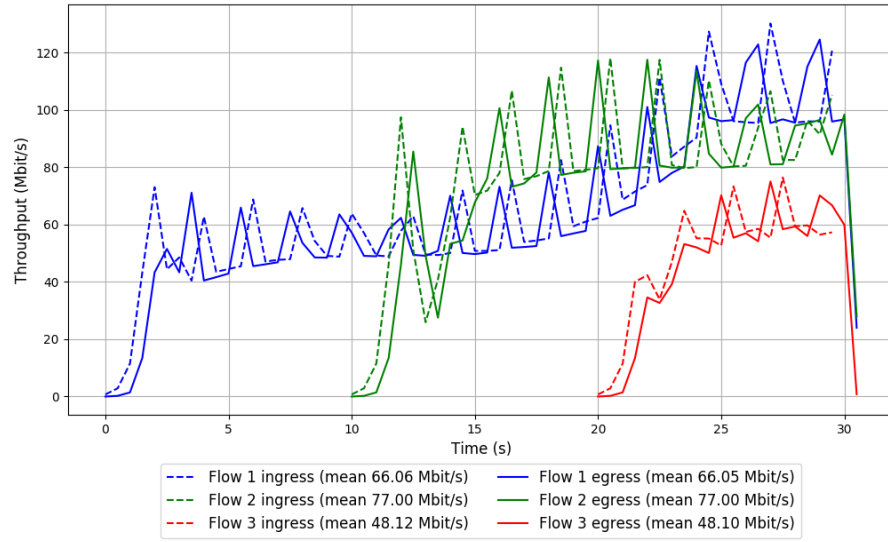
-- Flow 3:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 115.925 ms

Loss rate: 0.03%

Run 3: Report of TCP Cubic — Data Link

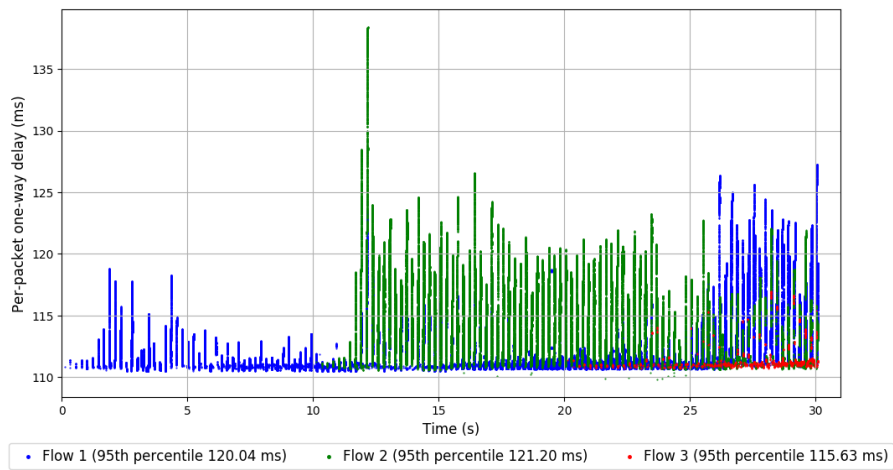
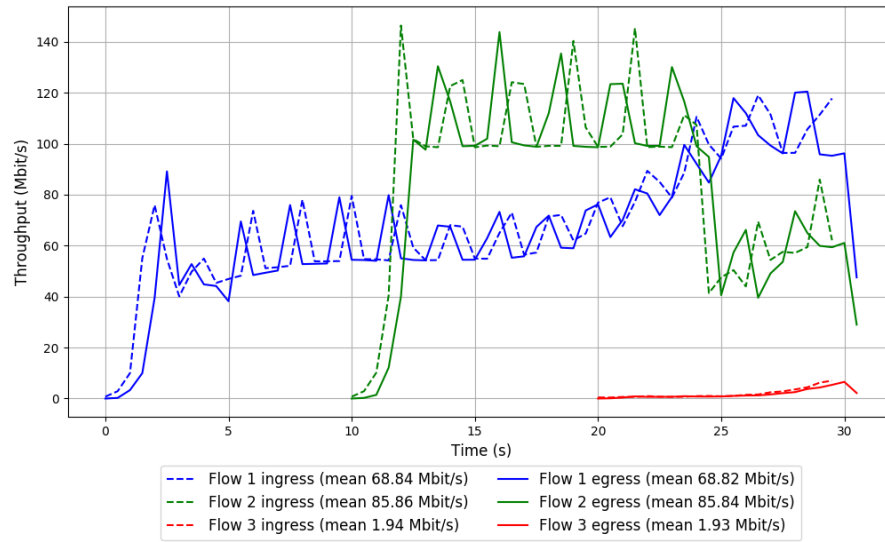


Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 06:16:43
End at: 2018-08-01 06:17:13
Local clock offset: -0.077 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.60 Mbit/s
95th percentile per-packet one-way delay: 120.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.82 Mbit/s
95th percentile per-packet one-way delay: 120.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 121.196 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 115.626 ms
Loss rate: 0.37%

Run 4: Report of TCP Cubic — Data Link

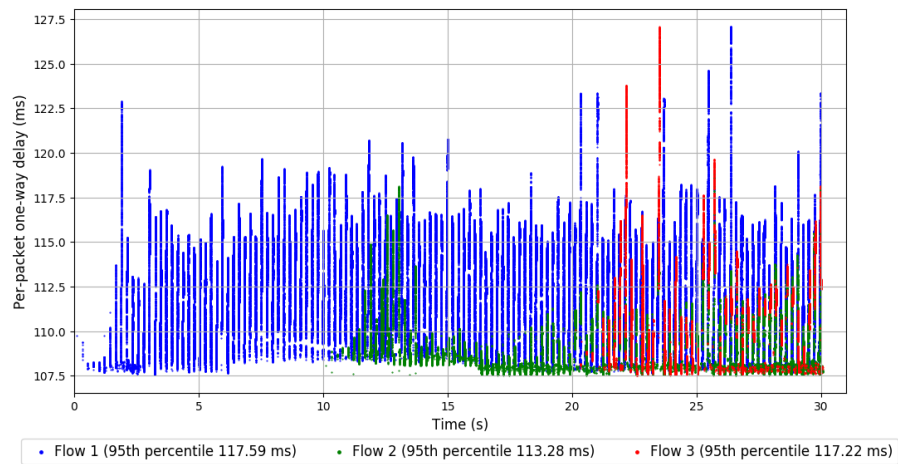
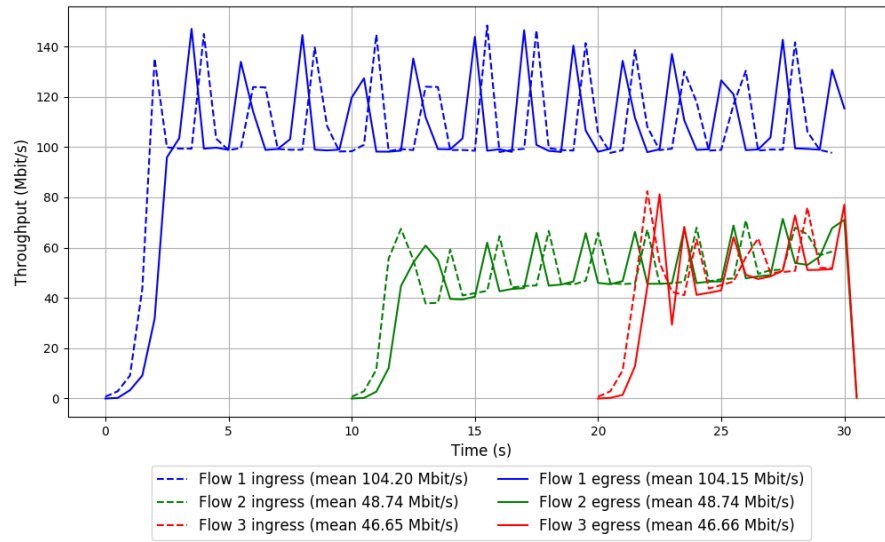


Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 06:42:52
End at: 2018-08-01 06:43:22
Local clock offset: 1.42 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.74 Mbit/s
95th percentile per-packet one-way delay: 117.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.15 Mbit/s
95th percentile per-packet one-way delay: 117.591 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 113.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 117.221 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

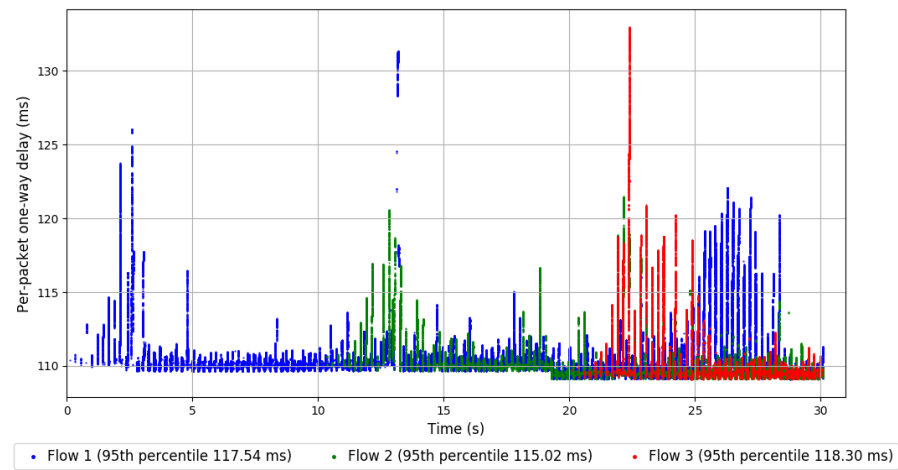
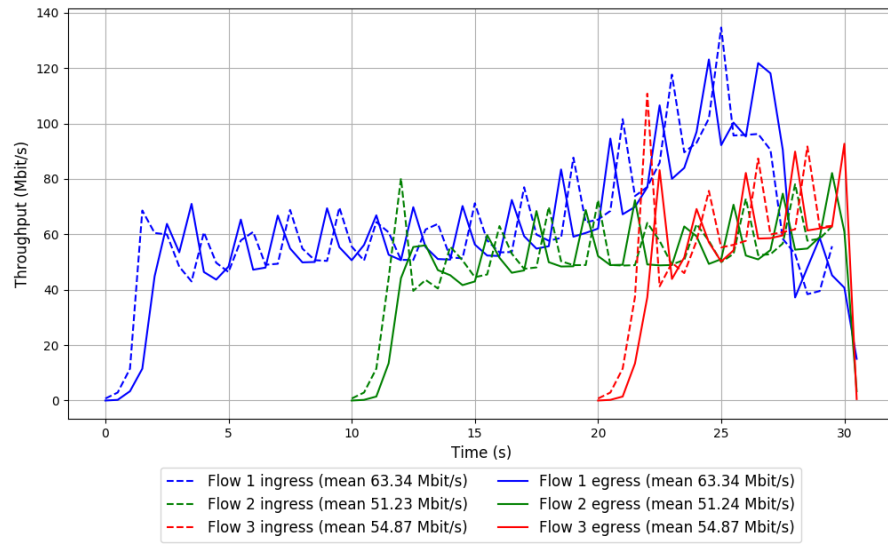


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 07:09:09
End at: 2018-08-01 07:09:39
Local clock offset: -0.266 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.62 Mbit/s
95th percentile per-packet one-way delay: 117.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.34 Mbit/s
95th percentile per-packet one-way delay: 117.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.24 Mbit/s
95th percentile per-packet one-way delay: 115.016 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 118.298 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

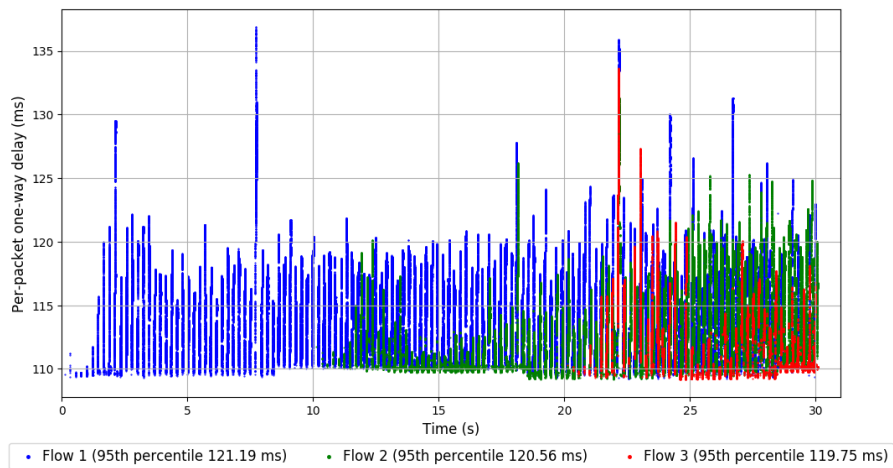
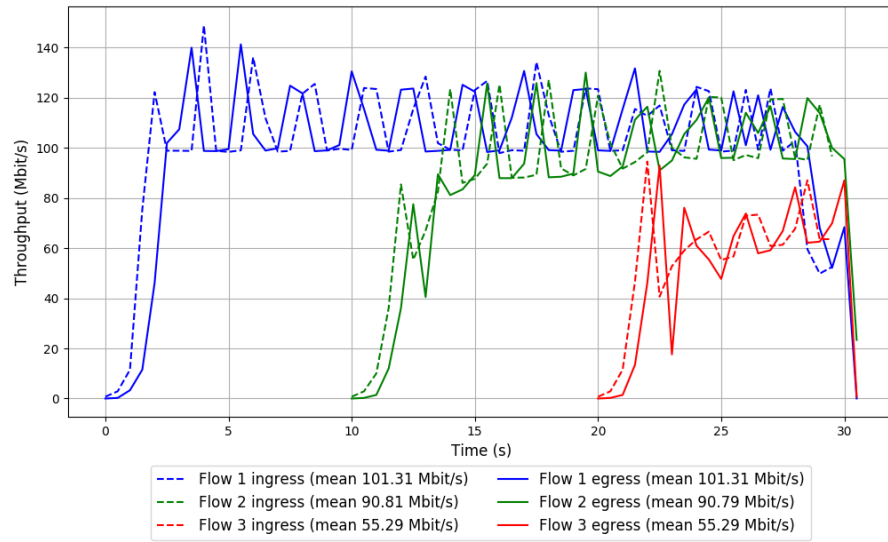


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 07:35:00
End at: 2018-08-01 07:35:30
Local clock offset: -0.147 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.01 Mbit/s
95th percentile per-packet one-way delay: 120.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.31 Mbit/s
95th percentile per-packet one-way delay: 121.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 120.560 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 119.753 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

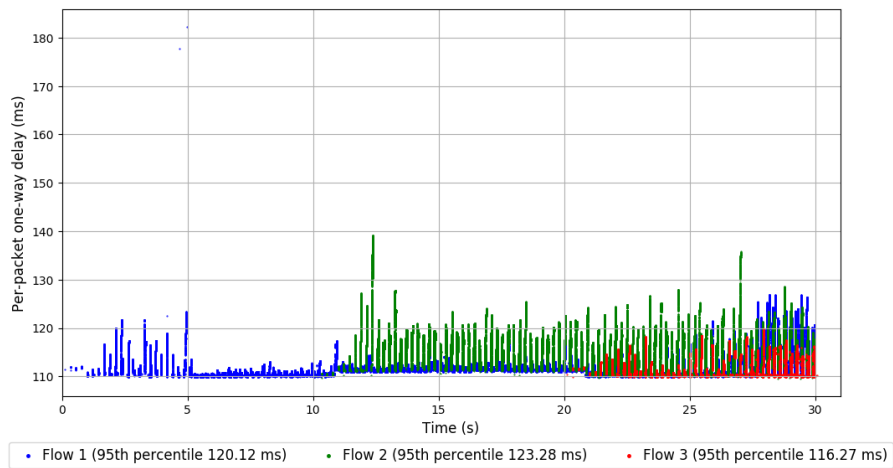
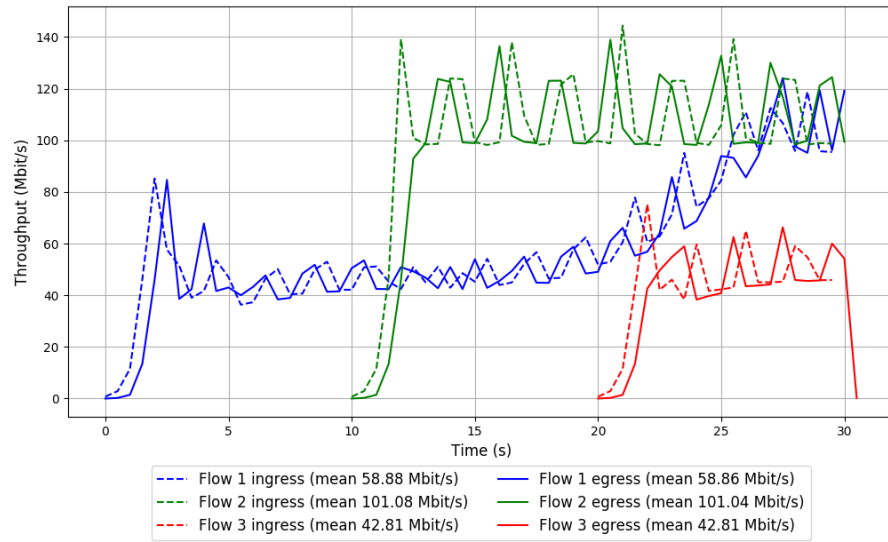


Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 08:01:07
End at: 2018-08-01 08:01:37
Local clock offset: -0.153 ms
Remote clock offset: -0.682 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.76 Mbit/s
95th percentile per-packet one-way delay: 121.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 120.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.04 Mbit/s
95th percentile per-packet one-way delay: 123.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 116.266 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

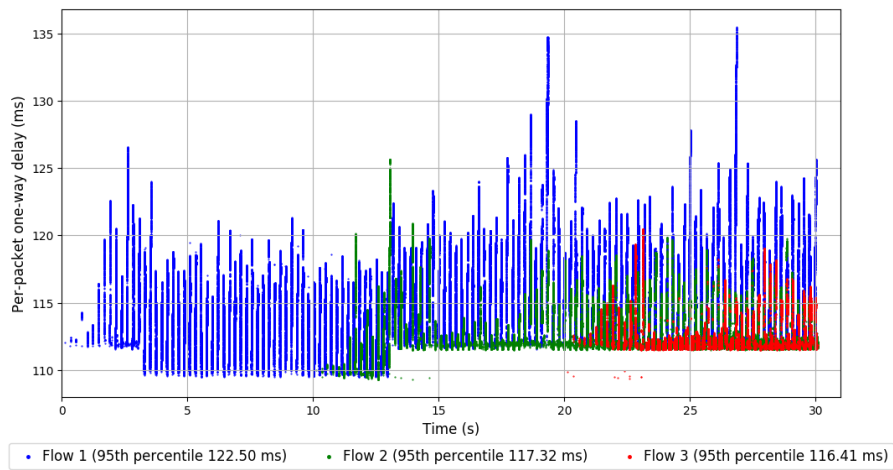
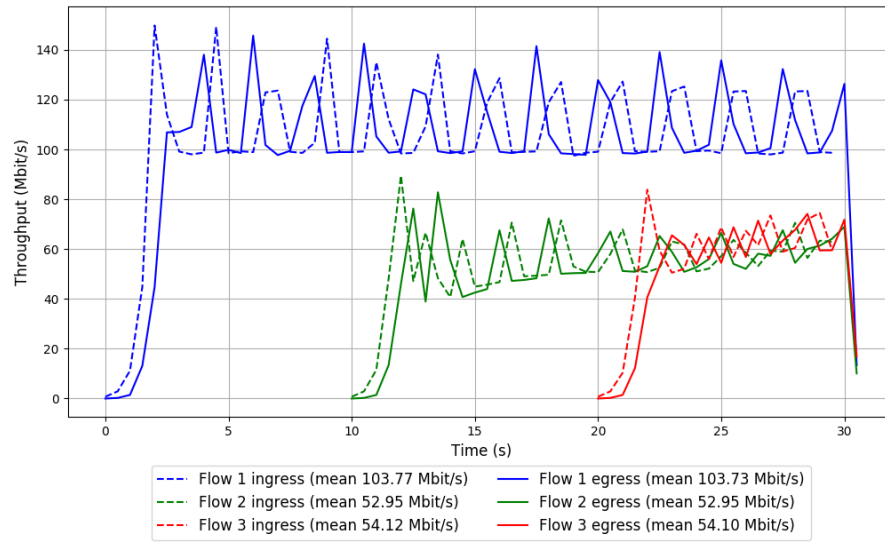


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 08:27:25
End at: 2018-08-01 08:27:55
Local clock offset: -0.04 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-01 09:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.69 Mbit/s
95th percentile per-packet one-way delay: 121.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.73 Mbit/s
95th percentile per-packet one-way delay: 122.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 117.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 116.407 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 08:53:16

End at: 2018-08-01 08:53:46

Local clock offset: -1.115 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-08-01 09:35:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.01 Mbit/s

95th percentile per-packet one-way delay: 123.080 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.13 Mbit/s

95th percentile per-packet one-way delay: 118.156 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.70 Mbit/s

95th percentile per-packet one-way delay: 124.134 ms

Loss rate: 0.00%

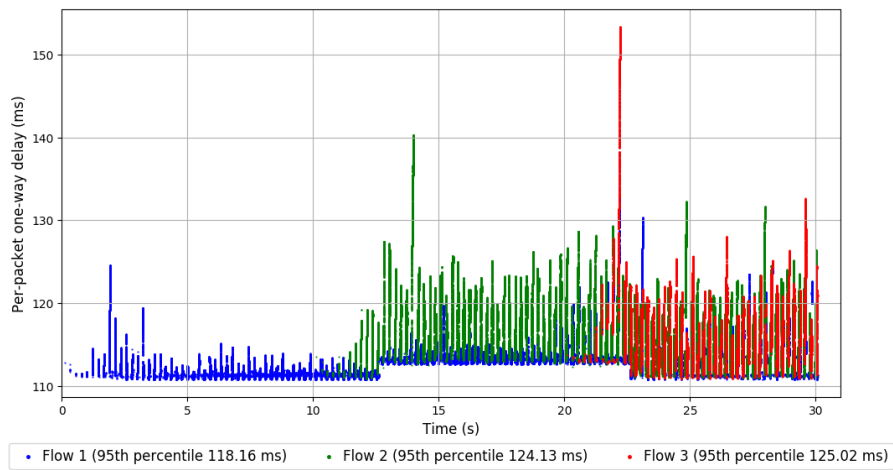
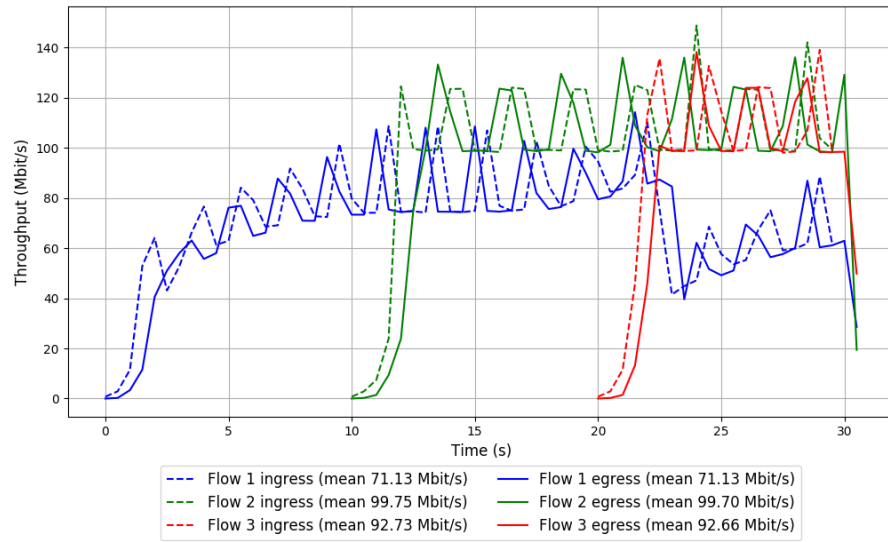
-- Flow 3:

Average throughput: 92.66 Mbit/s

95th percentile per-packet one-way delay: 125.021 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-01 04:36:58

End at: 2018-08-01 04:37:28

Local clock offset: -0.029 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-08-01 09:56:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1260.14 Mbit/s

95th percentile per-packet one-way delay: 194.844 ms

Loss rate: 4.44%

-- Flow 1:

Average throughput: 632.22 Mbit/s

95th percentile per-packet one-way delay: 200.060 ms

Loss rate: 6.19%

-- Flow 2:

Average throughput: 652.62 Mbit/s

95th percentile per-packet one-way delay: 188.144 ms

Loss rate: 3.11%

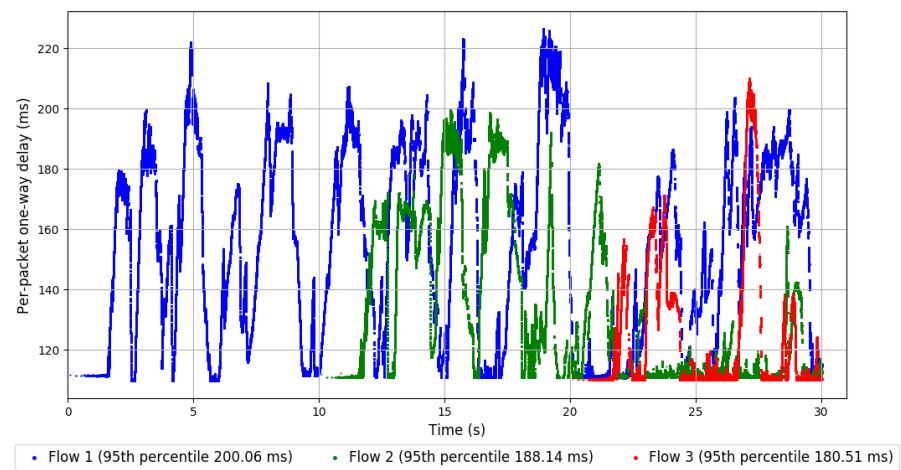
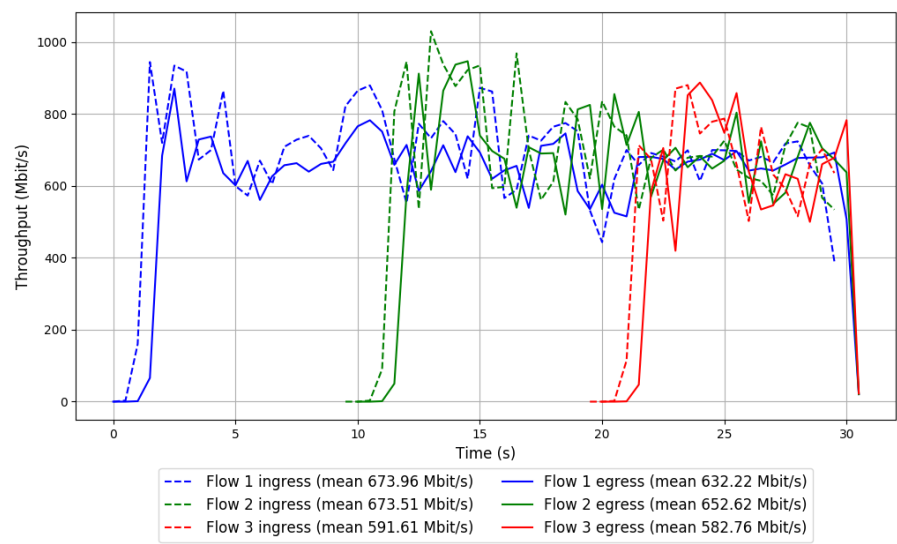
-- Flow 3:

Average throughput: 582.76 Mbit/s

95th percentile per-packet one-way delay: 180.513 ms

Loss rate: 1.50%

Run 1: Report of FillP — Data Link

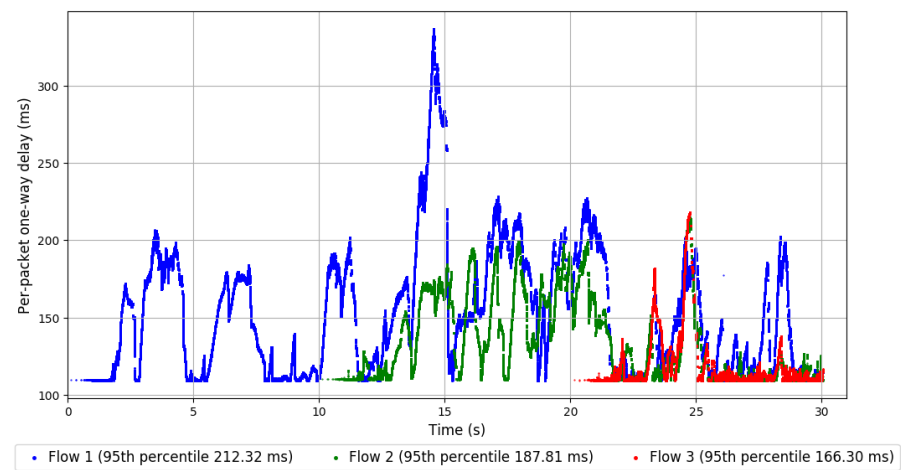
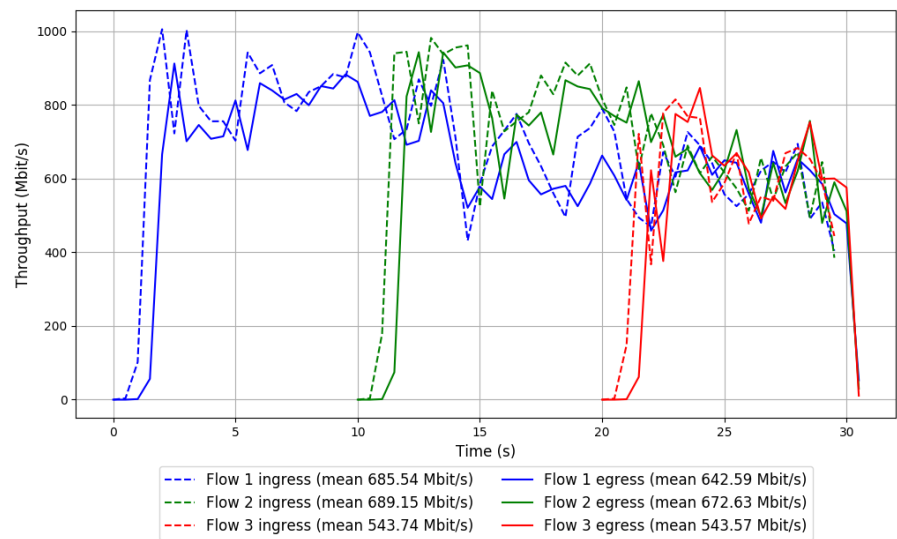


Run 2: Statistics of FillP

Start at: 2018-08-01 05:03:17
End at: 2018-08-01 05:03:47
Local clock offset: 1.295 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-01 09:57:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1269.88 Mbit/s
95th percentile per-packet one-way delay: 200.312 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 642.59 Mbit/s
95th percentile per-packet one-way delay: 212.321 ms
Loss rate: 6.27%
-- Flow 2:
Average throughput: 672.63 Mbit/s
95th percentile per-packet one-way delay: 187.805 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 543.57 Mbit/s
95th percentile per-packet one-way delay: 166.302 ms
Loss rate: 0.02%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-01 05:29:55

End at: 2018-08-01 05:30:25

Local clock offset: -0.145 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-08-01 09:58:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 1268.92 Mbit/s

95th percentile per-packet one-way delay: 199.821 ms

Loss rate: 5.09%

-- Flow 1:

Average throughput: 682.66 Mbit/s

95th percentile per-packet one-way delay: 199.416 ms

Loss rate: 4.59%

-- Flow 2:

Average throughput: 624.14 Mbit/s

95th percentile per-packet one-way delay: 197.993 ms

Loss rate: 5.93%

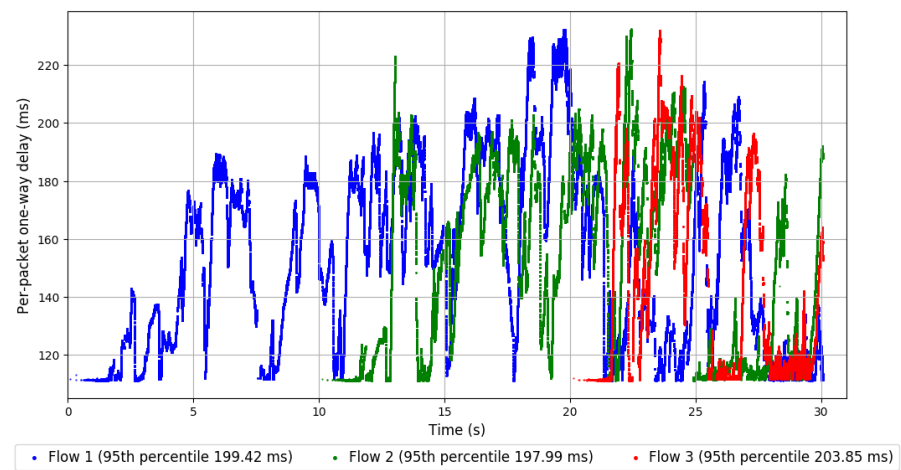
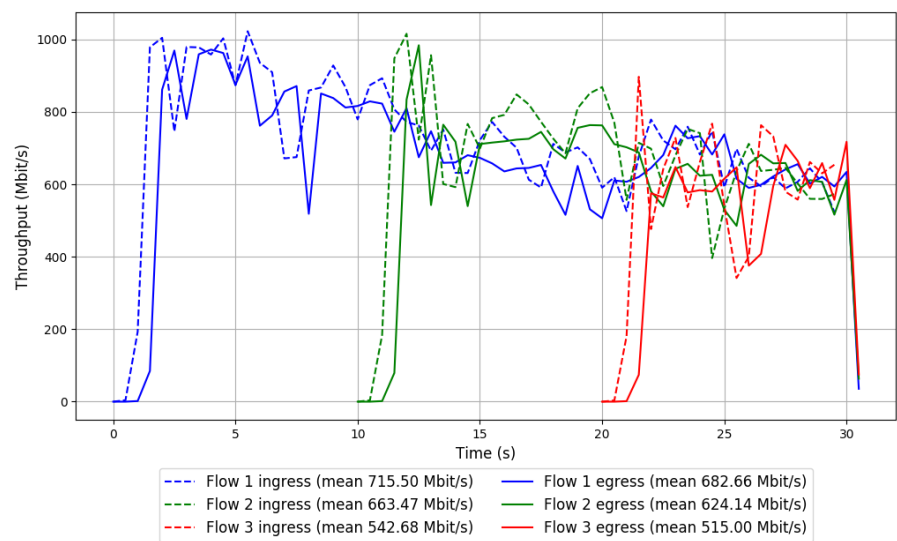
-- Flow 3:

Average throughput: 515.00 Mbit/s

95th percentile per-packet one-way delay: 203.855 ms

Loss rate: 5.01%

Run 3: Report of FillP — Data Link

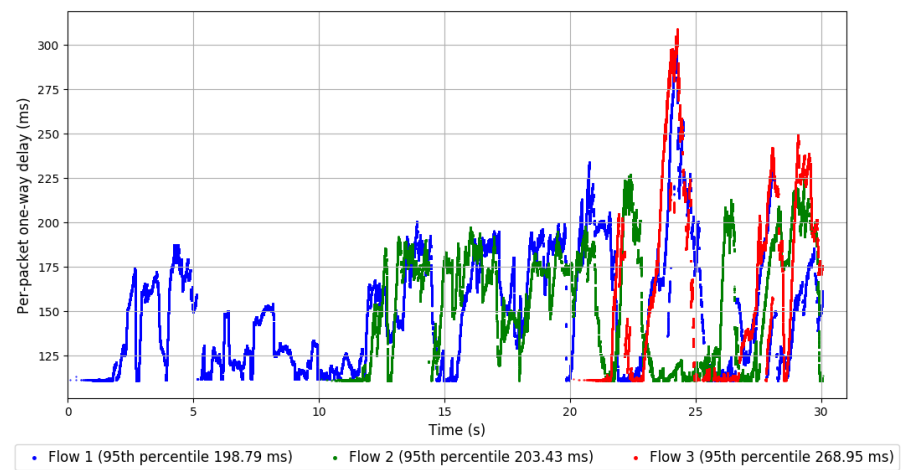
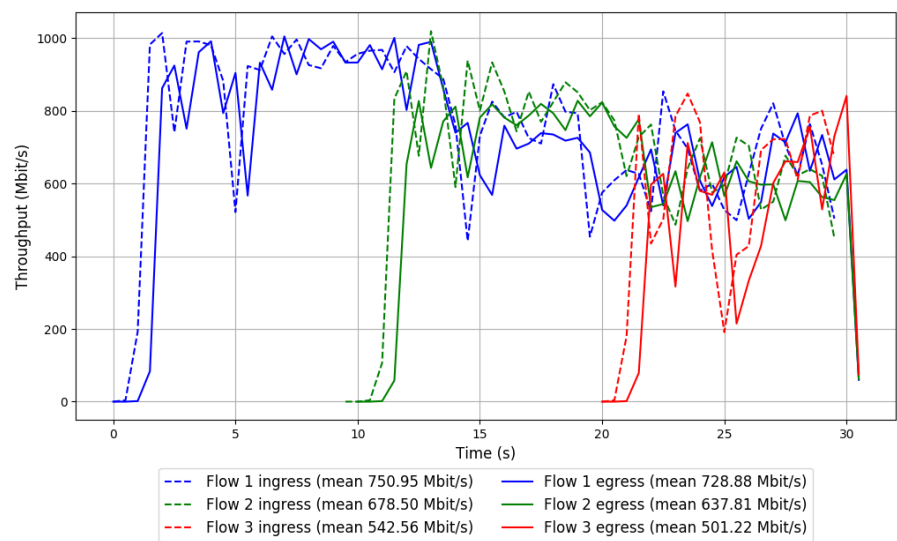


Run 4: Statistics of FillP

Start at: 2018-08-01 05:56:36
End at: 2018-08-01 05:57:06
Local clock offset: -0.384 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-01 09:59:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1319.65 Mbit/s
95th percentile per-packet one-way delay: 216.523 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 728.88 Mbit/s
95th percentile per-packet one-way delay: 198.793 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 637.81 Mbit/s
95th percentile per-packet one-way delay: 203.428 ms
Loss rate: 5.99%
-- Flow 3:
Average throughput: 501.22 Mbit/s
95th percentile per-packet one-way delay: 268.946 ms
Loss rate: 7.63%

Run 4: Report of FillP — Data Link

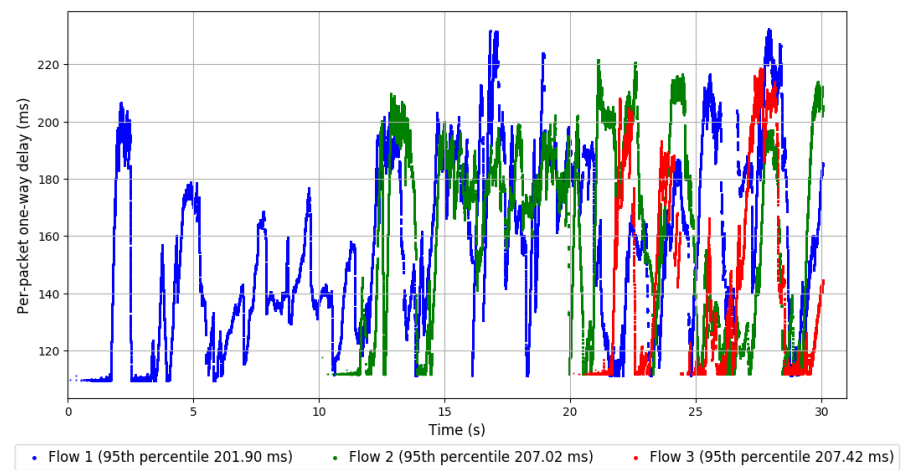
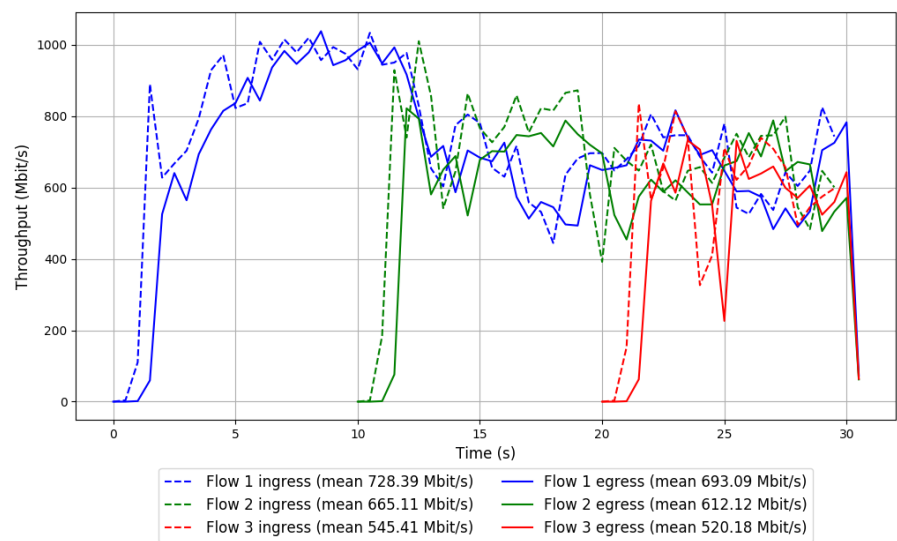


Run 5: Statistics of FillP

Start at: 2018-08-01 06:23:14
End at: 2018-08-01 06:23:44
Local clock offset: -0.406 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-01 09:59:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1272.36 Mbit/s
95th percentile per-packet one-way delay: 205.690 ms
Loss rate: 5.84%
-- Flow 1:
Average throughput: 693.09 Mbit/s
95th percentile per-packet one-way delay: 201.904 ms
Loss rate: 4.84%
-- Flow 2:
Average throughput: 612.12 Mbit/s
95th percentile per-packet one-way delay: 207.021 ms
Loss rate: 8.00%
-- Flow 3:
Average throughput: 520.18 Mbit/s
95th percentile per-packet one-way delay: 207.419 ms
Loss rate: 4.63%

Run 5: Report of FillP — Data Link

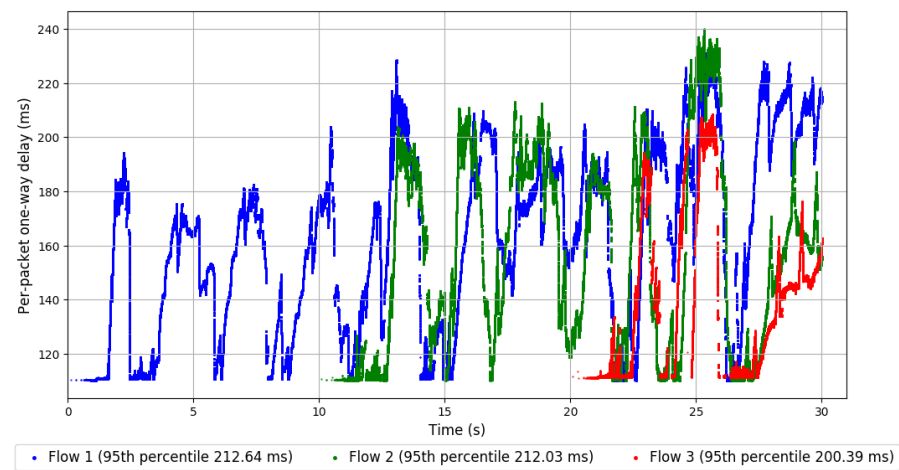
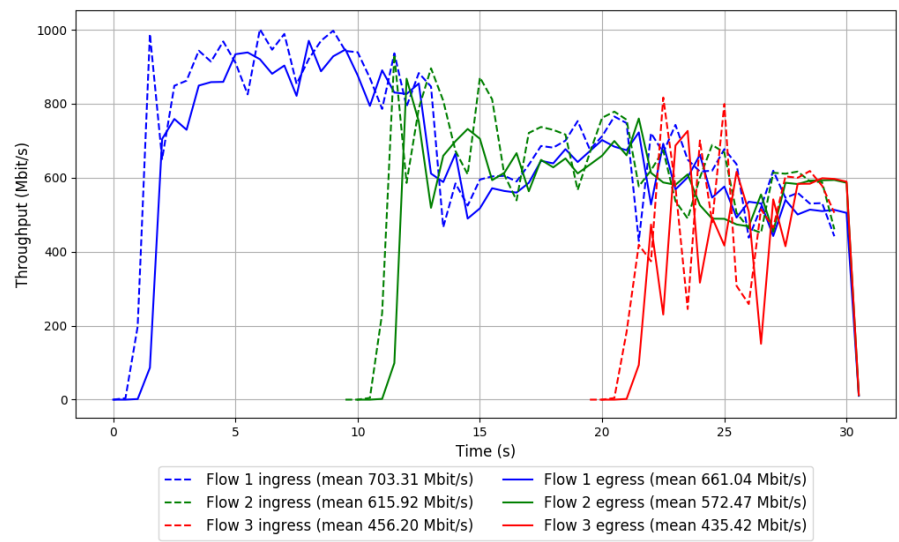


Run 6: Statistics of FillP

Start at: 2018-08-01 06:49:19
End at: 2018-08-01 06:49:49
Local clock offset: -0.153 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-08-01 09:59:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1186.99 Mbit/s
95th percentile per-packet one-way delay: 210.824 ms
Loss rate: 6.18%
-- Flow 1:
Average throughput: 661.04 Mbit/s
95th percentile per-packet one-way delay: 212.644 ms
Loss rate: 6.01%
-- Flow 2:
Average throughput: 572.47 Mbit/s
95th percentile per-packet one-way delay: 212.035 ms
Loss rate: 7.05%
-- Flow 3:
Average throughput: 435.42 Mbit/s
95th percentile per-packet one-way delay: 200.392 ms
Loss rate: 4.56%

Run 6: Report of FillP — Data Link

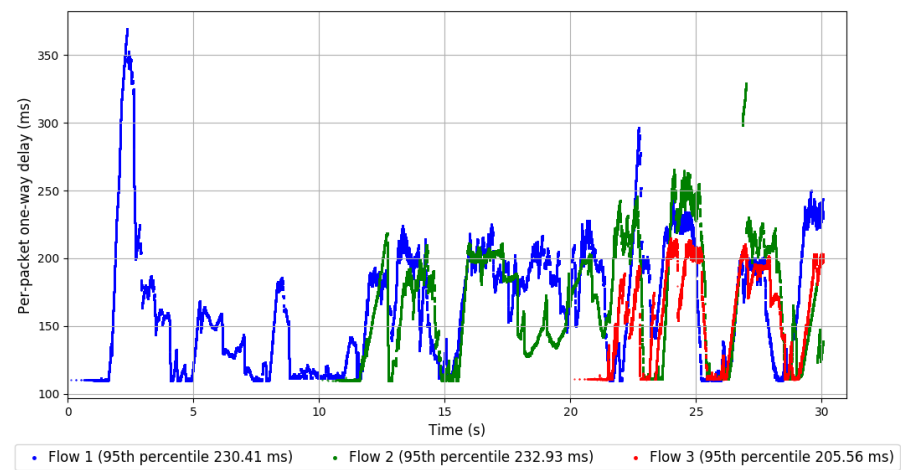
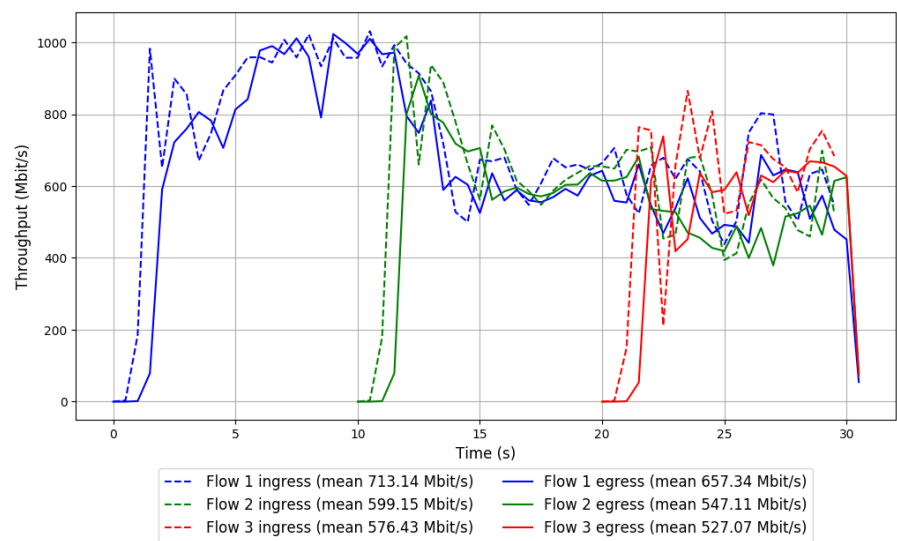


Run 7: Statistics of FillP

Start at: 2018-08-01 07:15:30
End at: 2018-08-01 07:16:00
Local clock offset: -0.168 ms
Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-08-01 09:59:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1196.11 Mbit/s
95th percentile per-packet one-way delay: 227.795 ms
Loss rate: 8.19%
-- Flow 1:
Average throughput: 657.34 Mbit/s
95th percentile per-packet one-way delay: 230.410 ms
Loss rate: 7.82%
-- Flow 2:
Average throughput: 547.11 Mbit/s
95th percentile per-packet one-way delay: 232.925 ms
Loss rate: 8.68%
-- Flow 3:
Average throughput: 527.07 Mbit/s
95th percentile per-packet one-way delay: 205.564 ms
Loss rate: 8.55%

Run 7: Report of FillP — Data Link

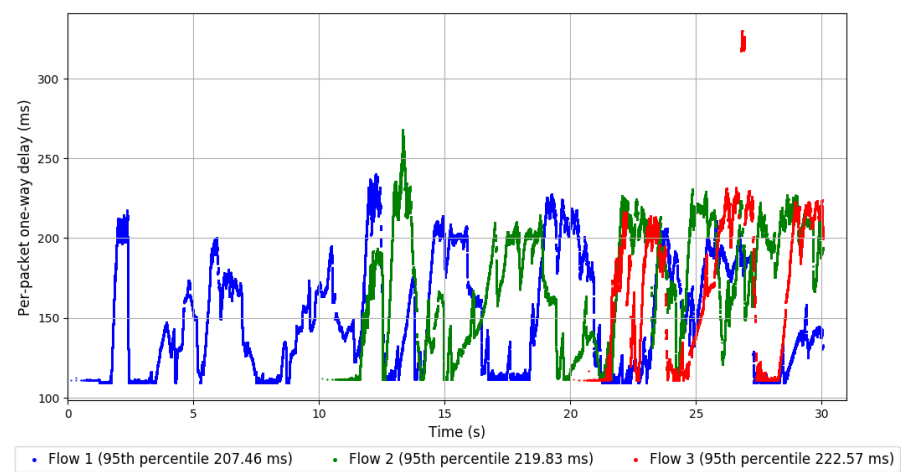
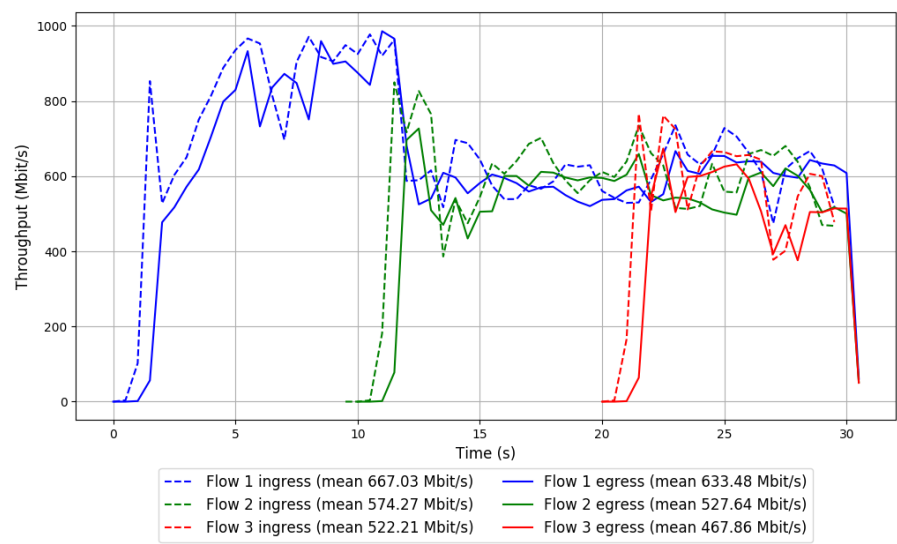


Run 8: Statistics of FillP

Start at: 2018-08-01 07:41:29
End at: 2018-08-01 07:41:59
Local clock offset: -0.218 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-08-01 09:59:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1139.86 Mbit/s
95th percentile per-packet one-way delay: 217.748 ms
Loss rate: 6.75%
-- Flow 1:
Average throughput: 633.48 Mbit/s
95th percentile per-packet one-way delay: 207.457 ms
Loss rate: 5.03%
-- Flow 2:
Average throughput: 527.64 Mbit/s
95th percentile per-packet one-way delay: 219.833 ms
Loss rate: 8.11%
-- Flow 3:
Average throughput: 467.86 Mbit/s
95th percentile per-packet one-way delay: 222.567 ms
Loss rate: 10.40%

Run 8: Report of FillP — Data Link

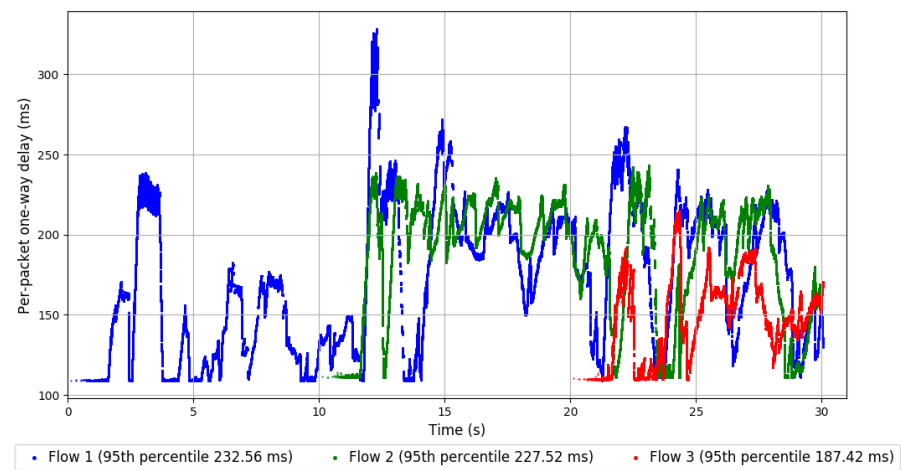
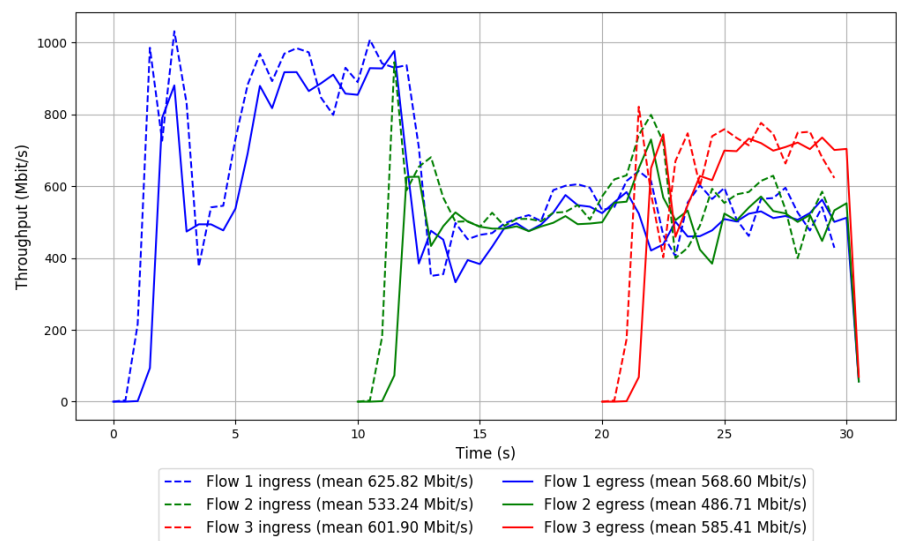


Run 9: Statistics of FillP

Start at: 2018-08-01 08:07:38
End at: 2018-08-01 08:08:08
Local clock offset: -0.092 ms
Remote clock offset: -0.551 ms

Below is generated by plot.py at 2018-08-01 10:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1086.42 Mbit/s
95th percentile per-packet one-way delay: 227.367 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 568.60 Mbit/s
95th percentile per-packet one-way delay: 232.555 ms
Loss rate: 9.14%
-- Flow 2:
Average throughput: 486.71 Mbit/s
95th percentile per-packet one-way delay: 227.521 ms
Loss rate: 8.72%
-- Flow 3:
Average throughput: 585.41 Mbit/s
95th percentile per-packet one-way delay: 187.421 ms
Loss rate: 2.72%

Run 9: Report of FillP — Data Link

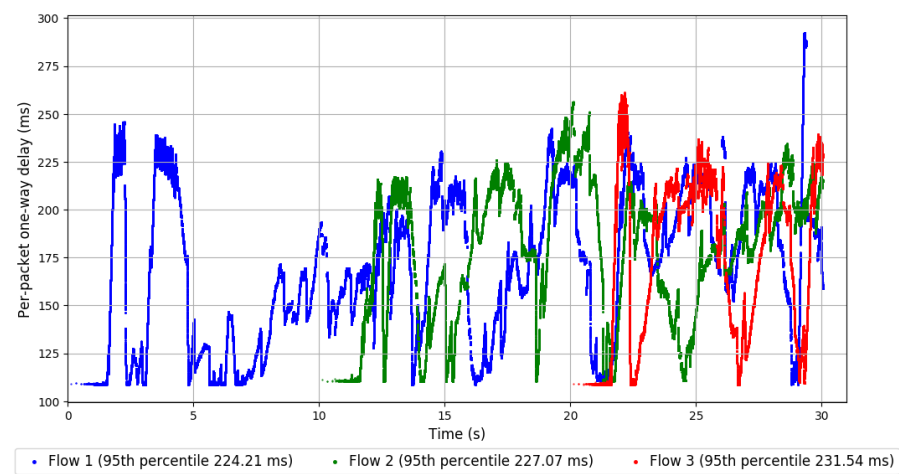
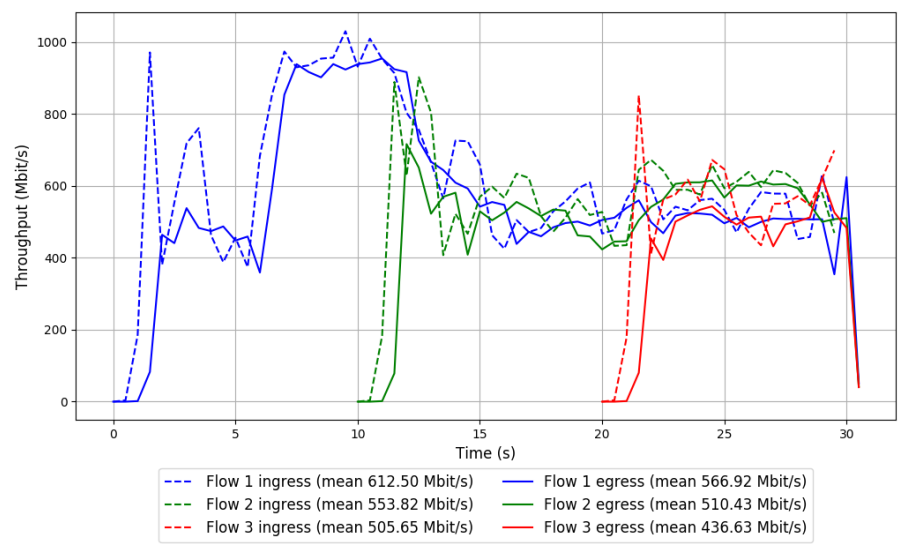


Run 10: Statistics of FillP

Start at: 2018-08-01 08:33:52
End at: 2018-08-01 08:34:22
Local clock offset: 0.145 ms
Remote clock offset: -0.478 ms

Below is generated by plot.py at 2018-08-01 10:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1051.53 Mbit/s
95th percentile per-packet one-way delay: 226.445 ms
Loss rate: 8.47%
-- Flow 1:
Average throughput: 566.92 Mbit/s
95th percentile per-packet one-way delay: 224.213 ms
Loss rate: 7.43%
-- Flow 2:
Average throughput: 510.43 Mbit/s
95th percentile per-packet one-way delay: 227.072 ms
Loss rate: 7.84%
-- Flow 3:
Average throughput: 436.63 Mbit/s
95th percentile per-packet one-way delay: 231.540 ms
Loss rate: 13.65%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 05:01:10

End at: 2018-08-01 05:01:40

Local clock offset: -0.339 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-08-01 10:20:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 1165.92 Mbit/s

95th percentile per-packet one-way delay: 188.410 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 650.12 Mbit/s

95th percentile per-packet one-way delay: 187.496 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 536.29 Mbit/s

95th percentile per-packet one-way delay: 194.933 ms

Loss rate: 1.71%

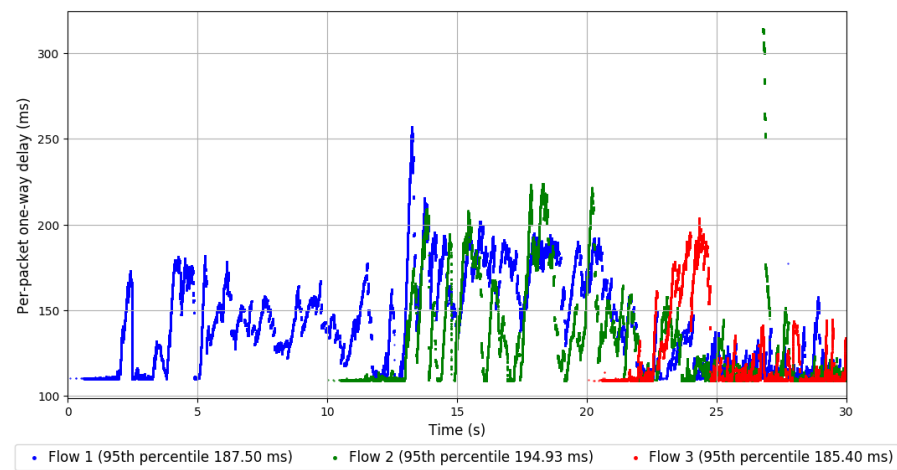
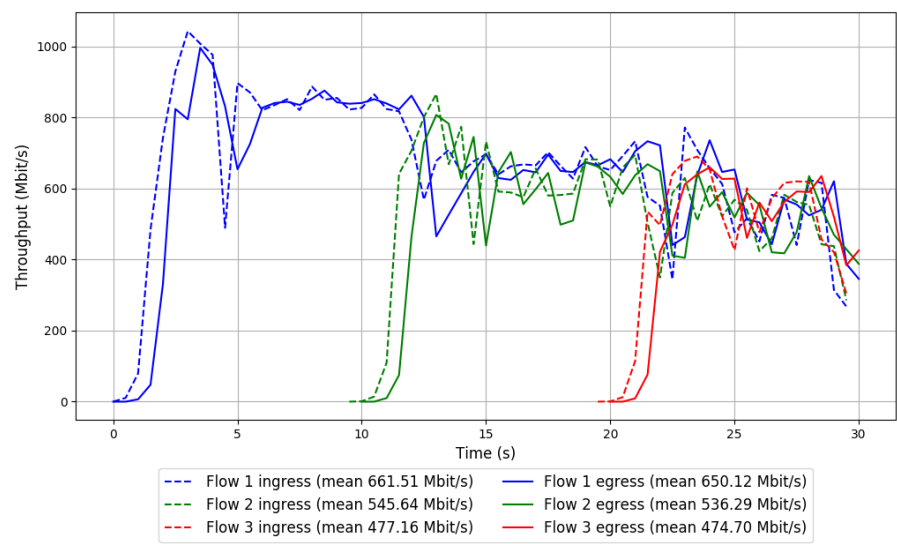
-- Flow 3:

Average throughput: 474.70 Mbit/s

95th percentile per-packet one-way delay: 185.396 ms

Loss rate: 0.50%

Run 1: Report of FillP-Sheep — Data Link

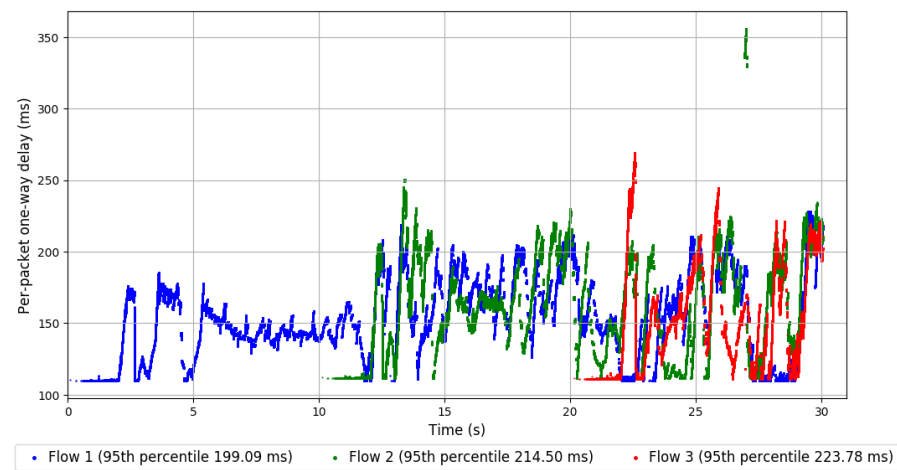
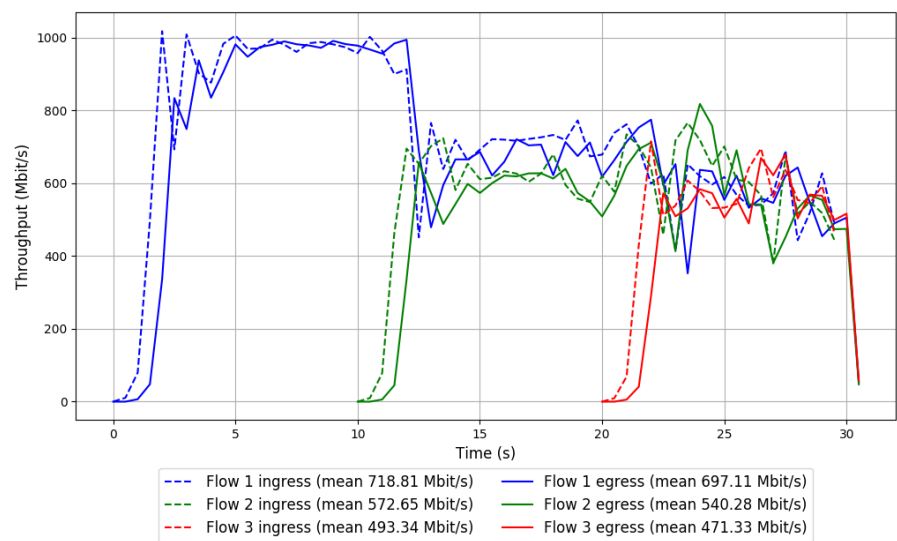


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 05:27:46
End at: 2018-08-01 05:28:16
Local clock offset: -0.066 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-01 10:22:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1212.44 Mbit/s
95th percentile per-packet one-way delay: 208.320 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 697.11 Mbit/s
95th percentile per-packet one-way delay: 199.093 ms
Loss rate: 3.02%
-- Flow 2:
Average throughput: 540.28 Mbit/s
95th percentile per-packet one-way delay: 214.497 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 471.33 Mbit/s
95th percentile per-packet one-way delay: 223.784 ms
Loss rate: 4.31%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 05:54:28

End at: 2018-08-01 05:54:58

Local clock offset: 0.088 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2018-08-01 10:22:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 1206.24 Mbit/s

95th percentile per-packet one-way delay: 190.938 ms

Loss rate: 1.95%

-- Flow 1:

Average throughput: 663.67 Mbit/s

95th percentile per-packet one-way delay: 193.128 ms

Loss rate: 2.73%

-- Flow 2:

Average throughput: 569.88 Mbit/s

95th percentile per-packet one-way delay: 189.823 ms

Loss rate: 1.05%

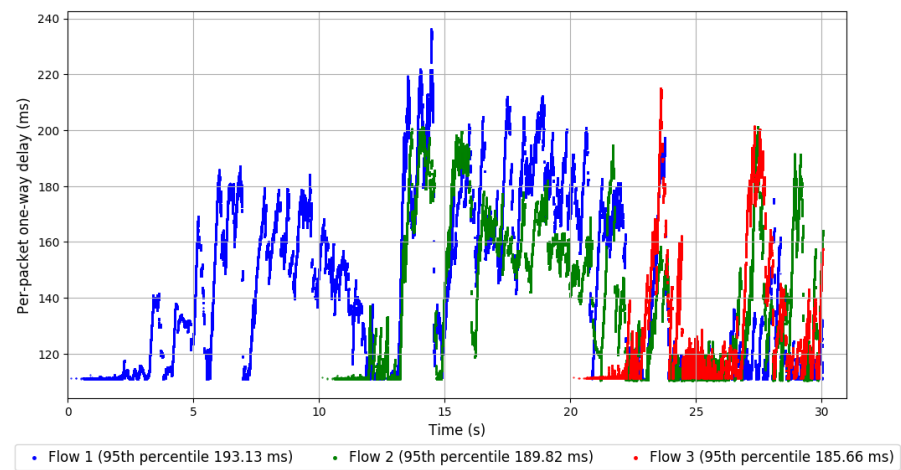
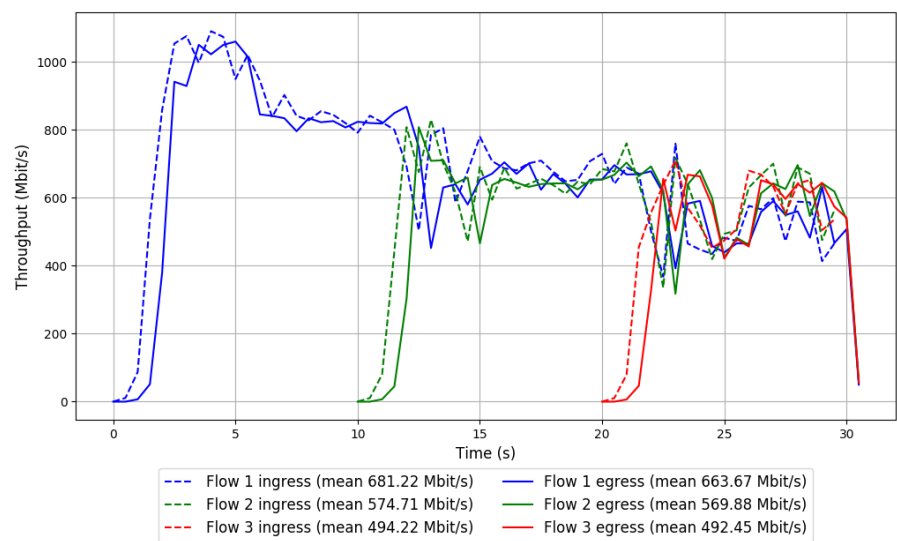
-- Flow 3:

Average throughput: 492.45 Mbit/s

95th percentile per-packet one-way delay: 185.656 ms

Loss rate: 0.80%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 06:21:05

End at: 2018-08-01 06:21:35

Local clock offset: 0.051 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-08-01 10:22:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 1225.77 Mbit/s

95th percentile per-packet one-way delay: 194.751 ms

Loss rate: 2.03%

-- Flow 1:

Average throughput: 677.84 Mbit/s

95th percentile per-packet one-way delay: 185.984 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 578.52 Mbit/s

95th percentile per-packet one-way delay: 202.392 ms

Loss rate: 2.40%

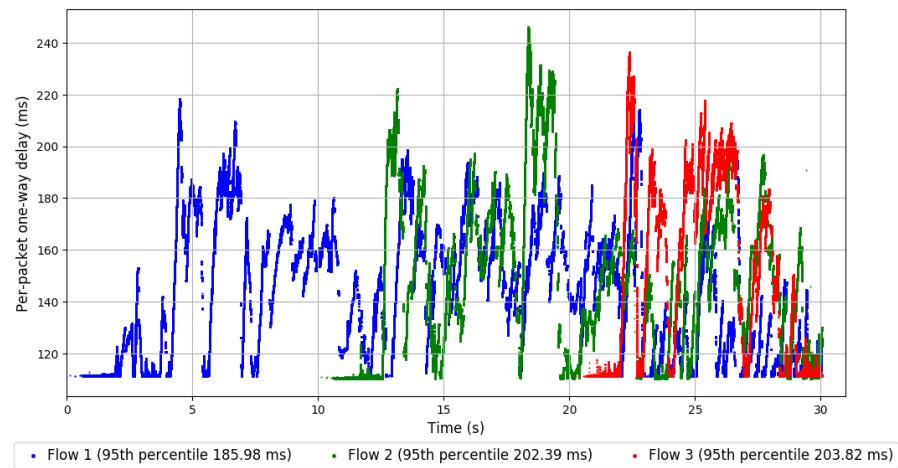
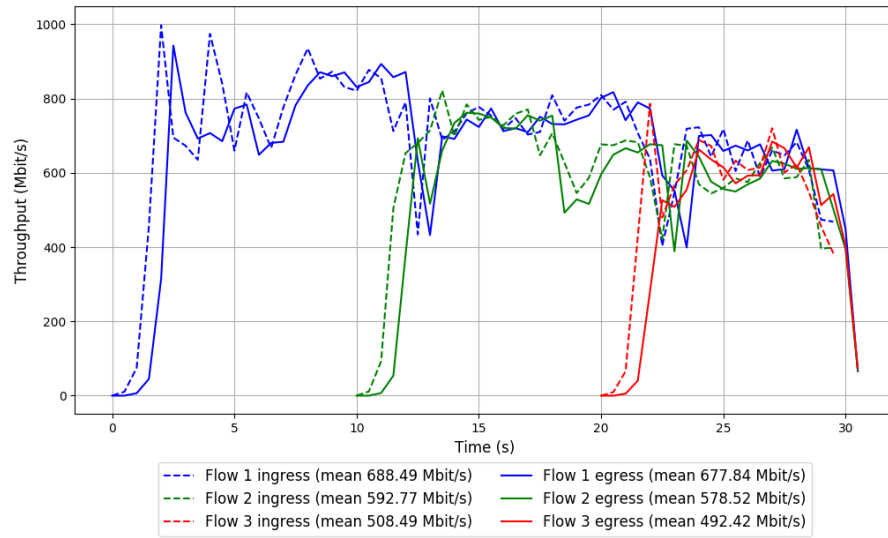
-- Flow 3:

Average throughput: 492.42 Mbit/s

95th percentile per-packet one-way delay: 203.818 ms

Loss rate: 3.17%

Run 4: Report of FillP-Sheep — Data Link

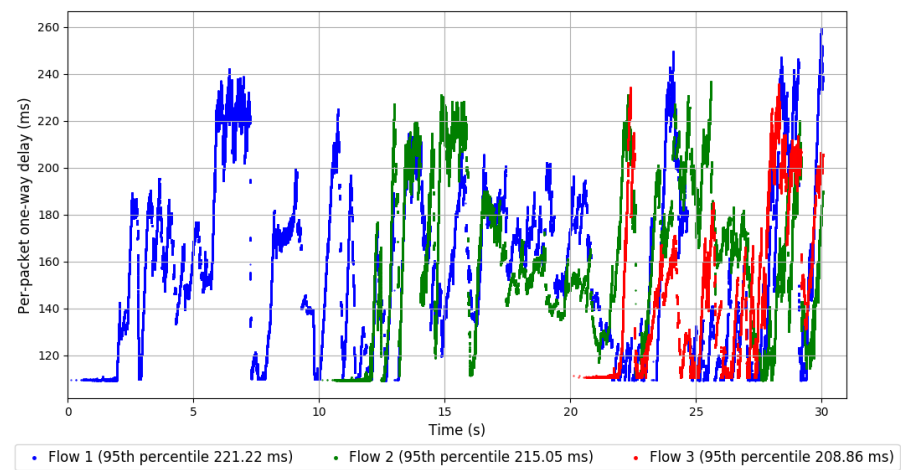
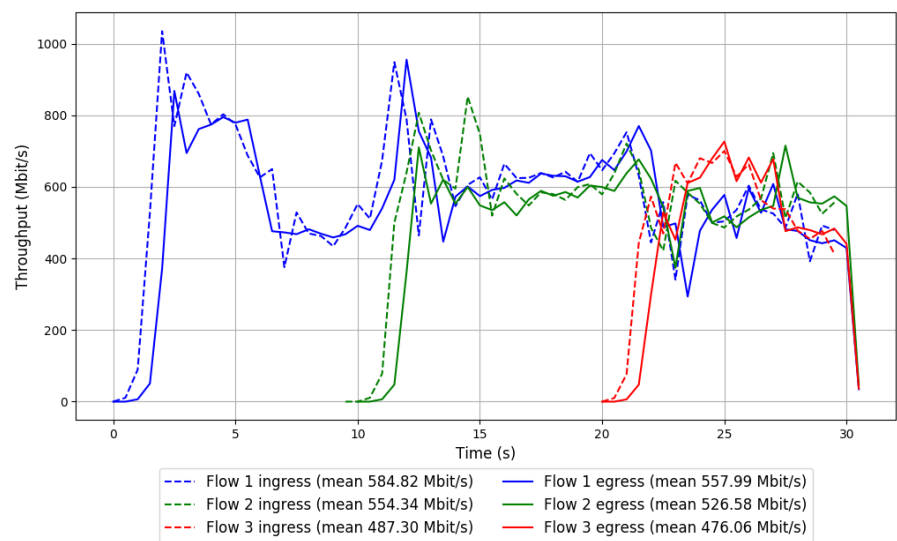


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 06:47:16
End at: 2018-08-01 06:47:46
Local clock offset: 0.023 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-01 10:22:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1066.25 Mbit/s
95th percentile per-packet one-way delay: 216.370 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 557.99 Mbit/s
95th percentile per-packet one-way delay: 221.220 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 526.58 Mbit/s
95th percentile per-packet one-way delay: 215.053 ms
Loss rate: 5.01%
-- Flow 3:
Average throughput: 476.06 Mbit/s
95th percentile per-packet one-way delay: 208.862 ms
Loss rate: 2.24%

Run 5: Report of FillP-Sheep — Data Link

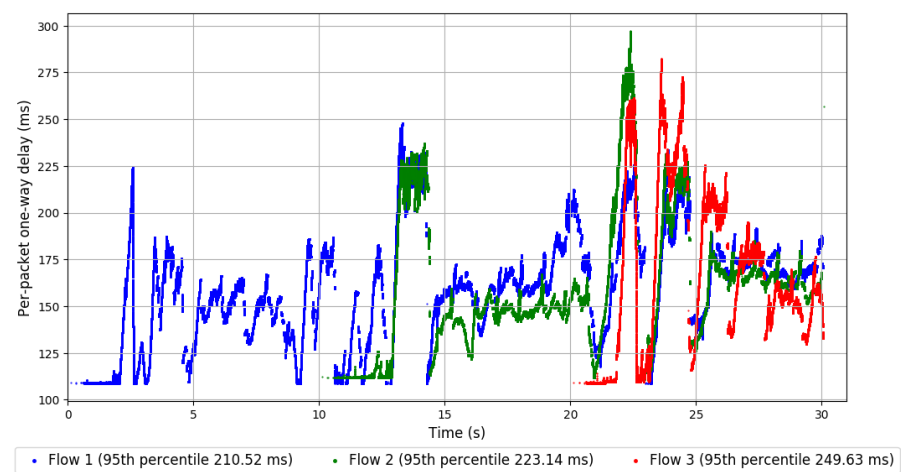
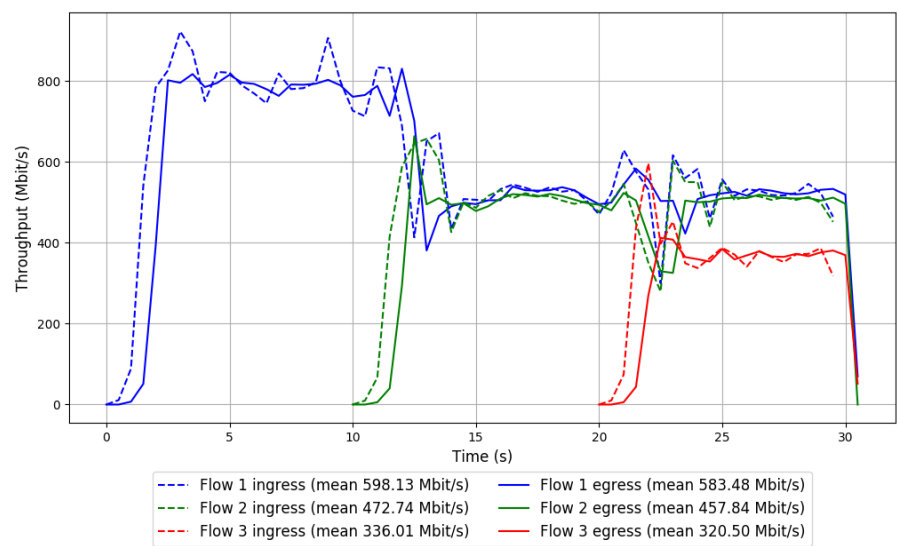


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 07:13:29
End at: 2018-08-01 07:13:59
Local clock offset: 0.163 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-01 10:22:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 993.65 Mbit/s
95th percentile per-packet one-way delay: 220.396 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 583.48 Mbit/s
95th percentile per-packet one-way delay: 210.520 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 457.84 Mbit/s
95th percentile per-packet one-way delay: 223.137 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 320.50 Mbit/s
95th percentile per-packet one-way delay: 249.634 ms
Loss rate: 4.57%

Run 6: Report of FillP-Sheep — Data Link

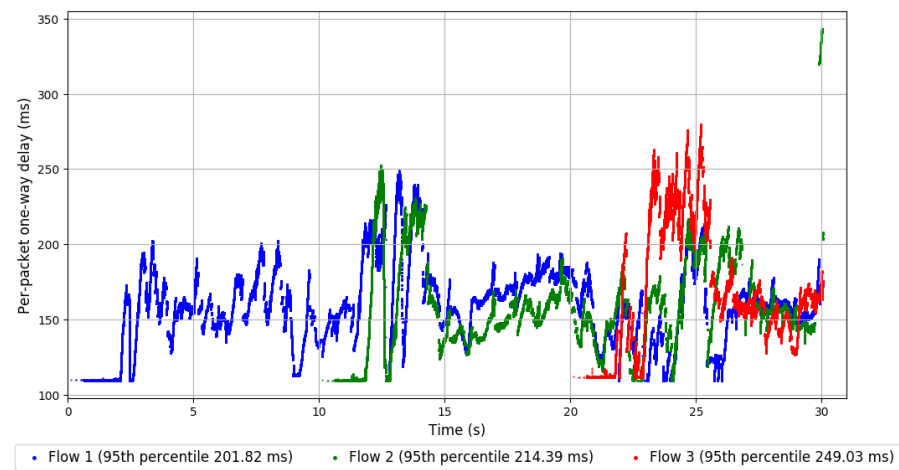
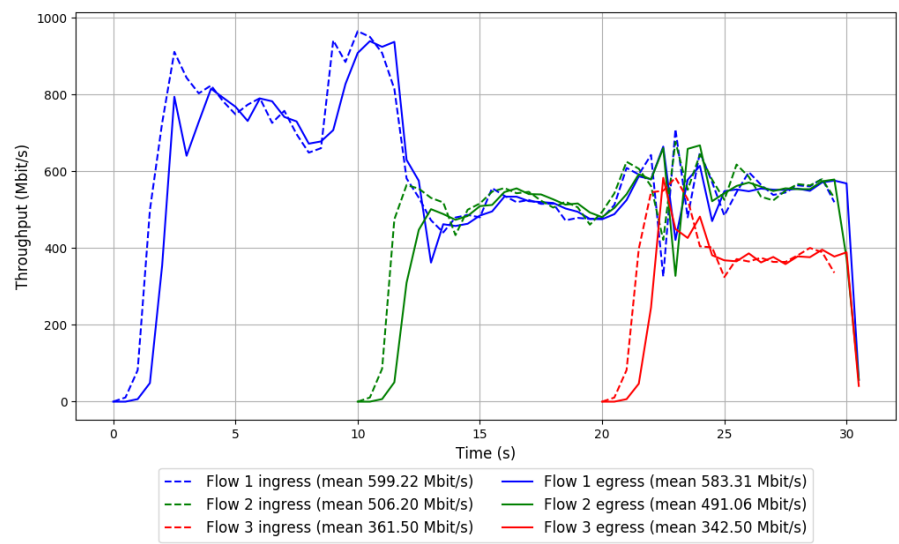


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 07:39:26
End at: 2018-08-01 07:39:56
Local clock offset: -0.361 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-08-01 10:39:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1023.68 Mbit/s
95th percentile per-packet one-way delay: 215.092 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 583.31 Mbit/s
95th percentile per-packet one-way delay: 201.824 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 491.06 Mbit/s
95th percentile per-packet one-way delay: 214.392 ms
Loss rate: 2.98%
-- Flow 3:
Average throughput: 342.50 Mbit/s
95th percentile per-packet one-way delay: 249.026 ms
Loss rate: 5.25%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 08:05:31

End at: 2018-08-01 08:06:01

Local clock offset: -0.468 ms

Remote clock offset: -0.58 ms

Below is generated by plot.py at 2018-08-01 10:41:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 1124.22 Mbit/s

95th percentile per-packet one-way delay: 215.078 ms

Loss rate: 4.62%

-- Flow 1:

Average throughput: 586.09 Mbit/s

95th percentile per-packet one-way delay: 222.972 ms

Loss rate: 5.89%

-- Flow 2:

Average throughput: 564.74 Mbit/s

95th percentile per-packet one-way delay: 209.434 ms

Loss rate: 3.06%

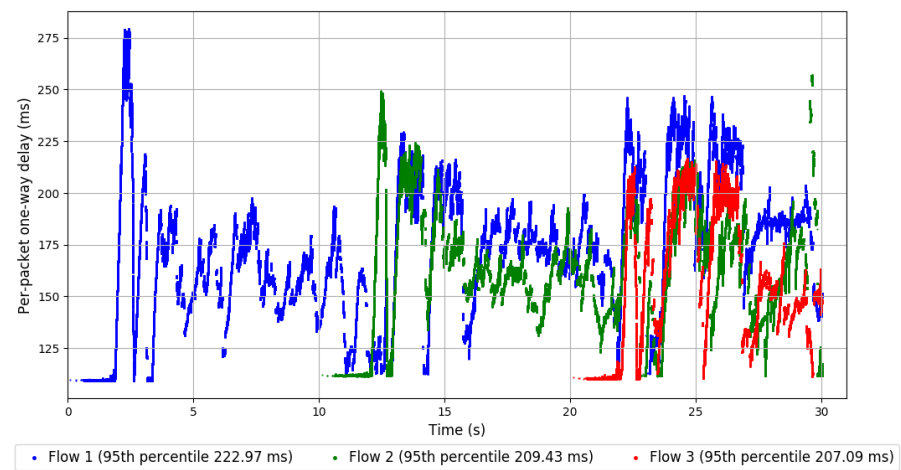
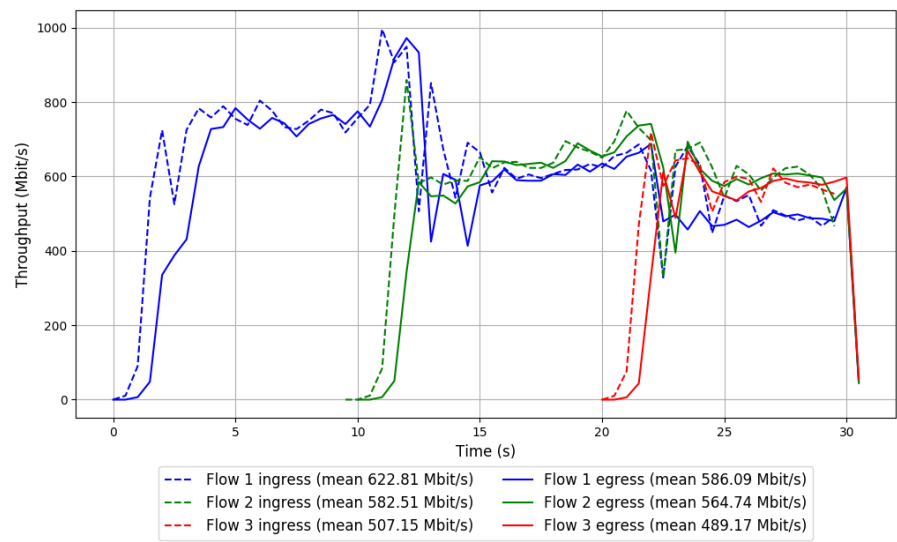
-- Flow 3:

Average throughput: 489.17 Mbit/s

95th percentile per-packet one-way delay: 207.095 ms

Loss rate: 3.53%

Run 8: Report of FillP-Sheep — Data Link

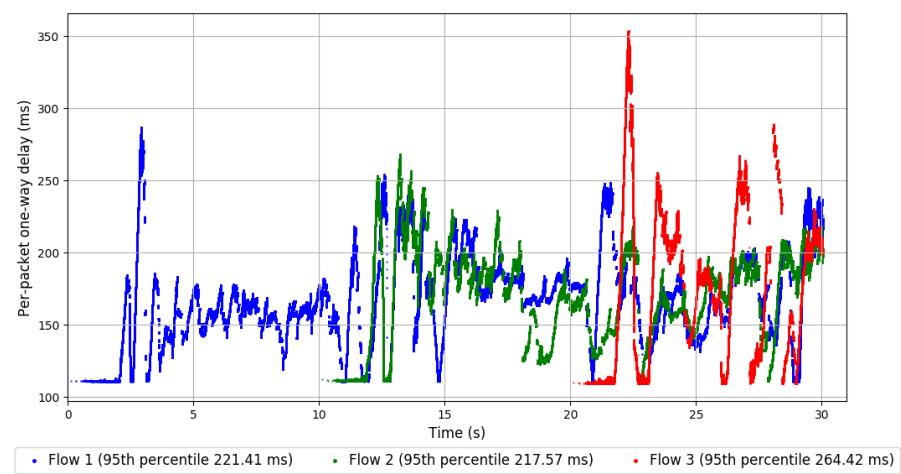
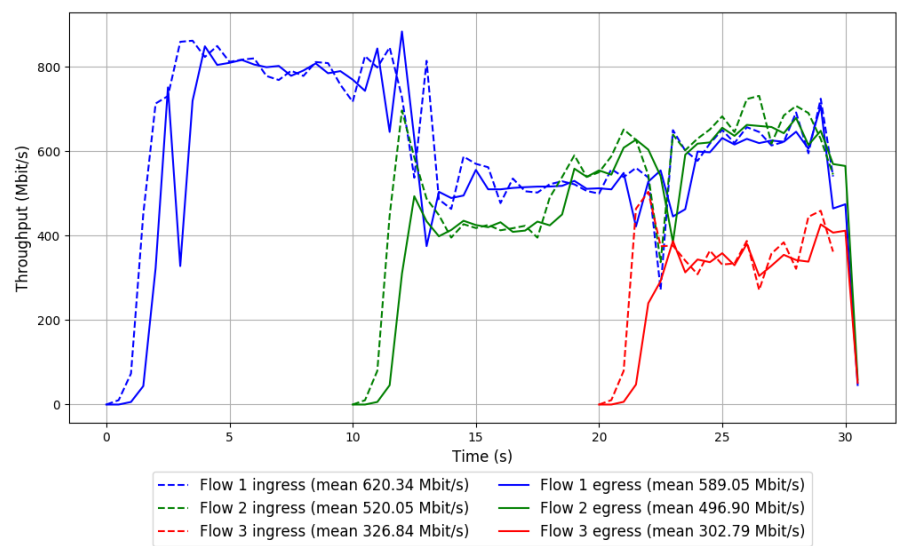


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 08:31:50
End at: 2018-08-01 08:32:20
Local clock offset: 0.119 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-01 10:41:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1019.96 Mbit/s
95th percentile per-packet one-way delay: 226.344 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 589.05 Mbit/s
95th percentile per-packet one-way delay: 221.412 ms
Loss rate: 5.03%
-- Flow 2:
Average throughput: 496.90 Mbit/s
95th percentile per-packet one-way delay: 217.566 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 302.79 Mbit/s
95th percentile per-packet one-way delay: 264.421 ms
Loss rate: 7.34%

Run 9: Report of FillP-Sheep — Data Link

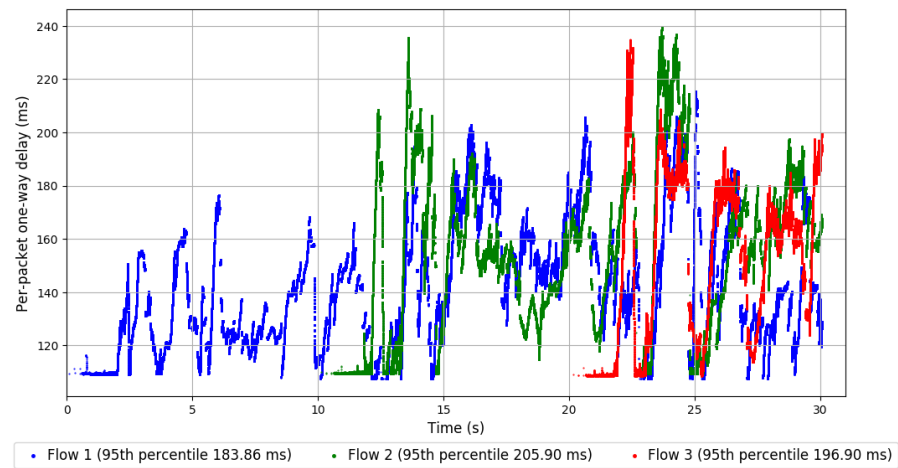
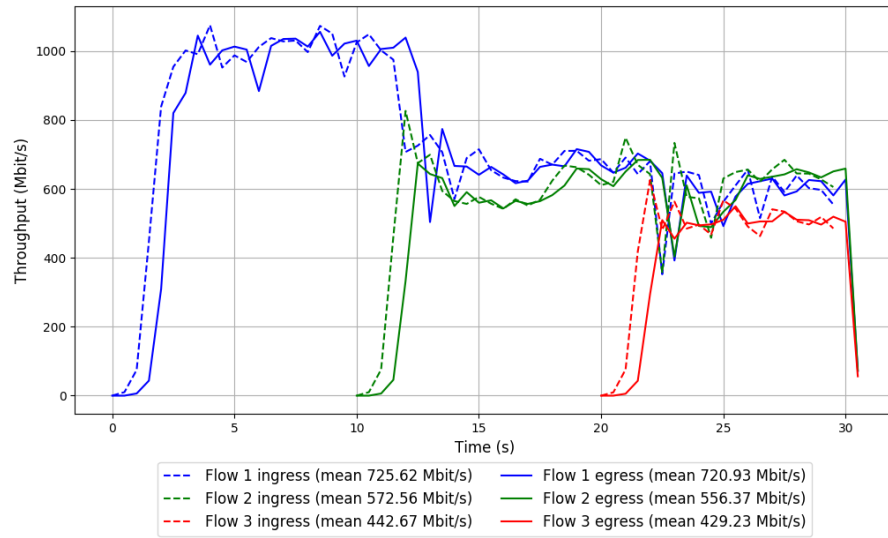


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 08:57:41
End at: 2018-08-01 08:58:11
Local clock offset: 1.597 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1233.23 Mbit/s
95th percentile per-packet one-way delay: 193.515 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 720.93 Mbit/s
95th percentile per-packet one-way delay: 183.857 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 556.37 Mbit/s
95th percentile per-packet one-way delay: 205.898 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 429.23 Mbit/s
95th percentile per-packet one-way delay: 196.899 ms
Loss rate: 3.03%

Run 10: Report of FillP-Sheep — Data Link

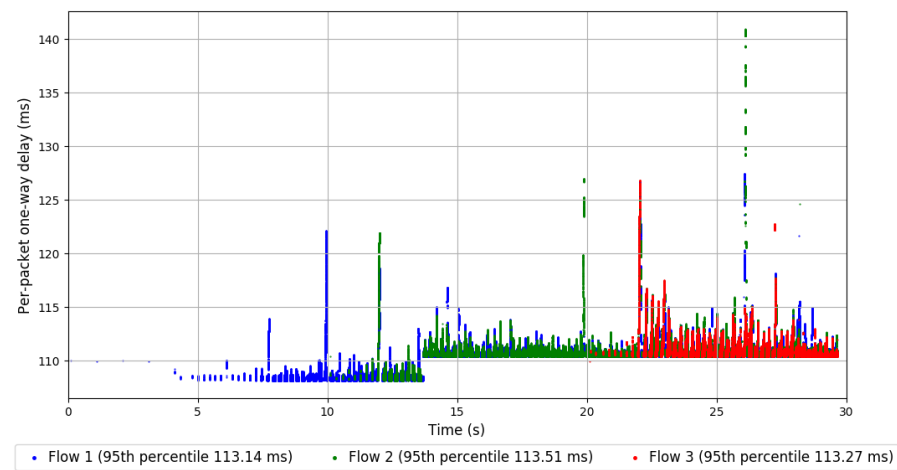
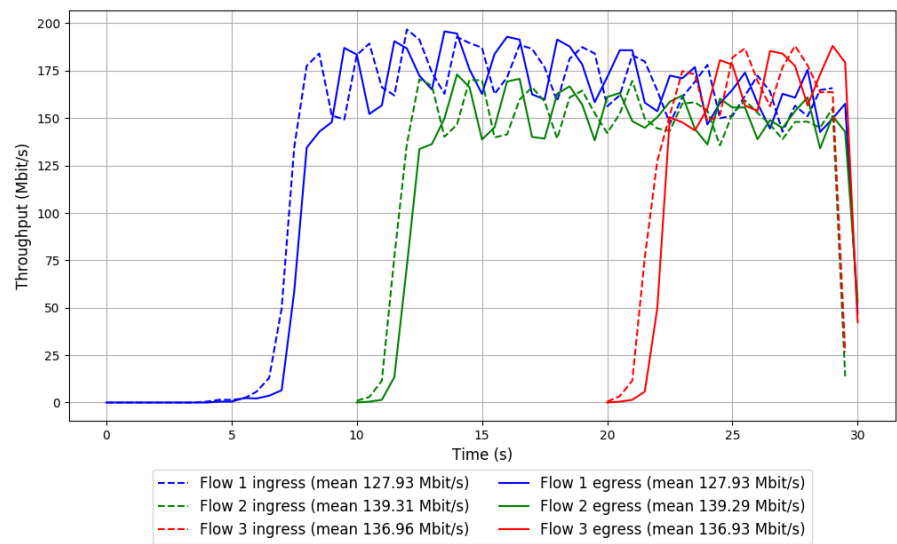


```
Run 1: Statistics of Indigo

Start at: 2018-08-01 04:43:44
End at: 2018-08-01 04:44:14
Local clock offset: 0.956 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-08-01 10:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 263.97 Mbit/s
95th percentile per-packet one-way delay: 113.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.93 Mbit/s
95th percentile per-packet one-way delay: 113.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.29 Mbit/s
95th percentile per-packet one-way delay: 113.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.93 Mbit/s
95th percentile per-packet one-way delay: 113.268 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

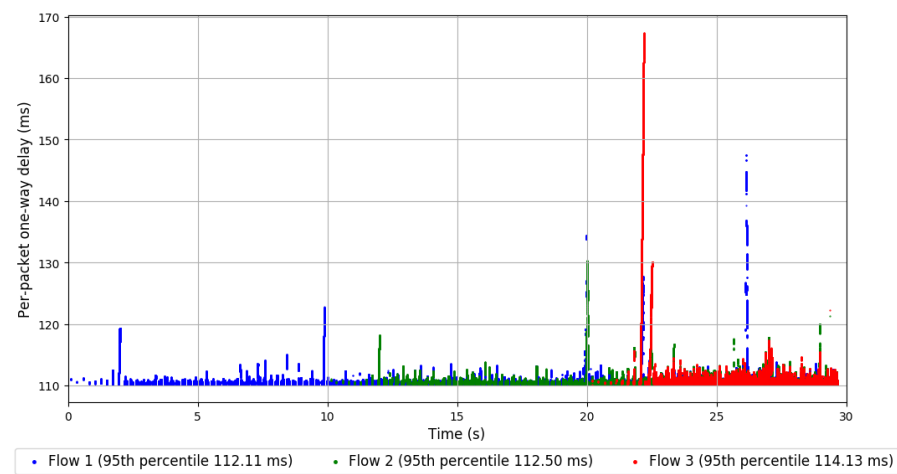
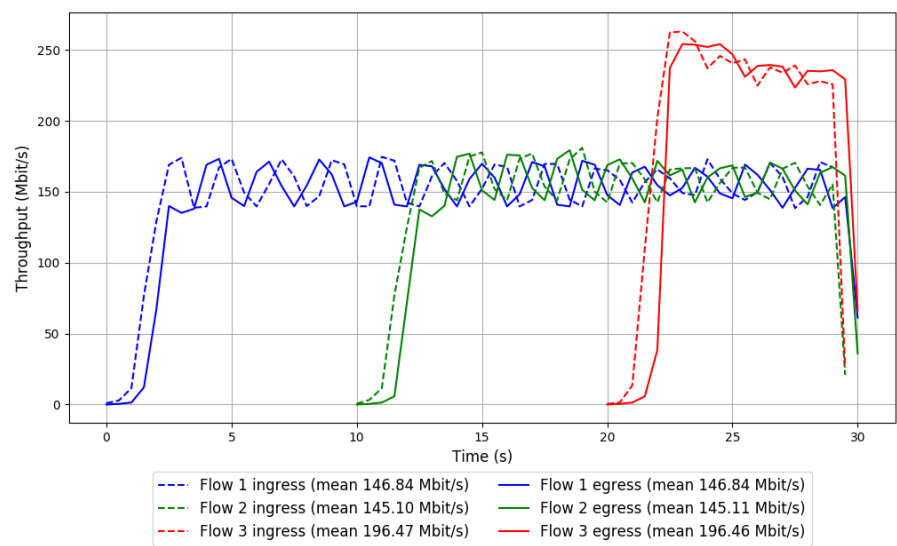


Run 2: Statistics of Indigo

Start at: 2018-08-01 05:10:24
End at: 2018-08-01 05:10:54
Local clock offset: 0.07 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.40 Mbit/s
95th percentile per-packet one-way delay: 112.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.84 Mbit/s
95th percentile per-packet one-way delay: 112.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.11 Mbit/s
95th percentile per-packet one-way delay: 112.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 196.46 Mbit/s
95th percentile per-packet one-way delay: 114.128 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

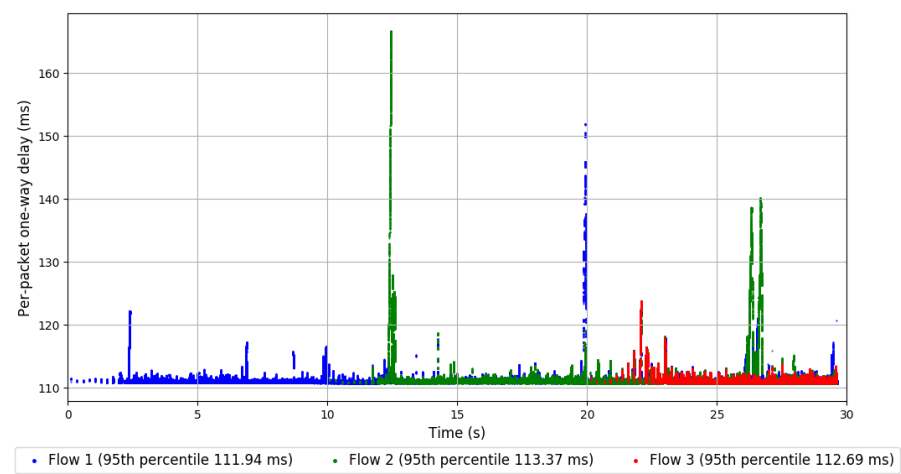
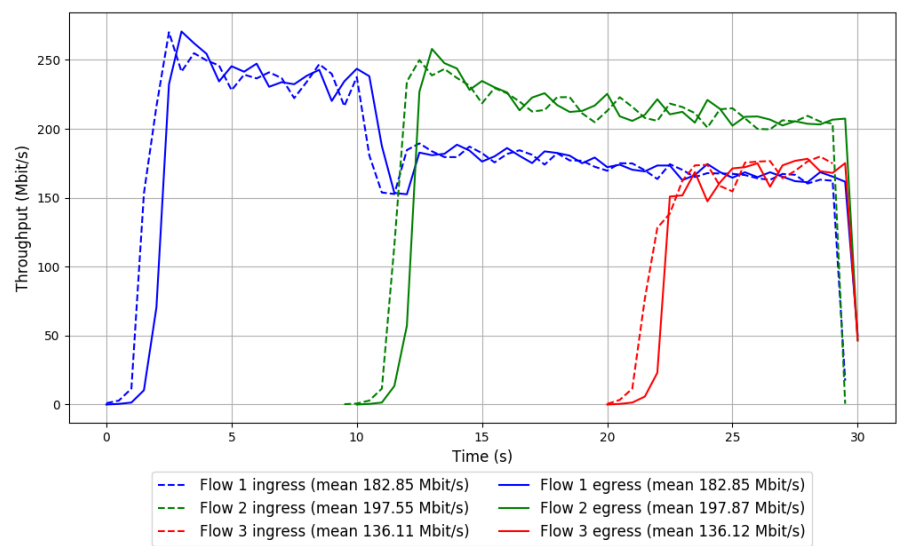


Run 3: Statistics of Indigo

Start at: 2018-08-01 05:36:48
End at: 2018-08-01 05:37:18
Local clock offset: 0.066 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.23 Mbit/s
95th percentile per-packet one-way delay: 112.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.85 Mbit/s
95th percentile per-packet one-way delay: 111.939 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.87 Mbit/s
95th percentile per-packet one-way delay: 113.373 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.12 Mbit/s
95th percentile per-packet one-way delay: 112.692 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-01 06:03:37

End at: 2018-08-01 06:04:07

Local clock offset: -0.215 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-01 10:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.10 Mbit/s

95th percentile per-packet one-way delay: 112.735 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 146.31 Mbit/s

95th percentile per-packet one-way delay: 112.392 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 143.39 Mbit/s

95th percentile per-packet one-way delay: 112.737 ms

Loss rate: 0.00%

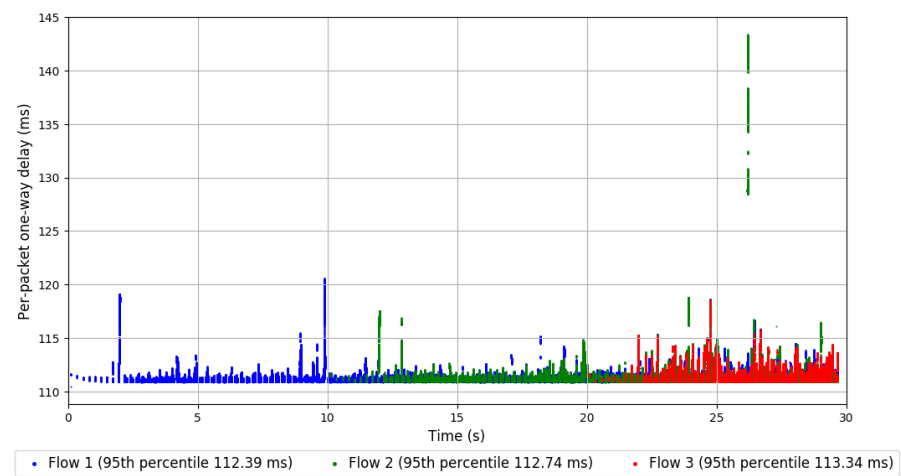
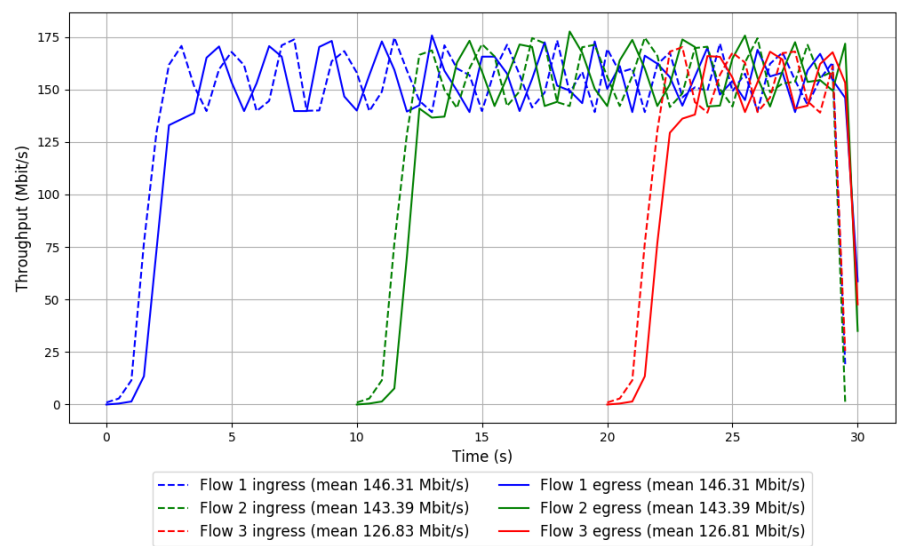
-- Flow 3:

Average throughput: 126.81 Mbit/s

95th percentile per-packet one-way delay: 113.340 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-01 06:30:19

End at: 2018-08-01 06:30:49

Local clock offset: 0.09 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-08-01 10:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.10 Mbit/s

95th percentile per-packet one-way delay: 113.503 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 152.20 Mbit/s

95th percentile per-packet one-way delay: 113.051 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 210.42 Mbit/s

95th percentile per-packet one-way delay: 113.783 ms

Loss rate: 0.00%

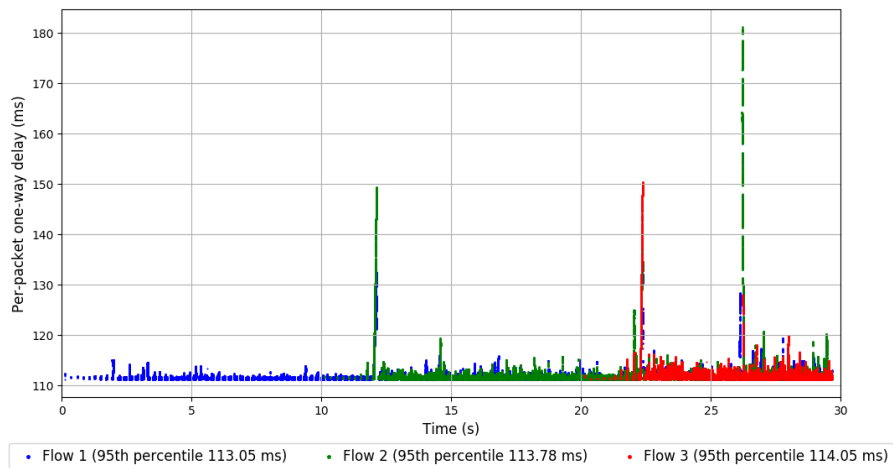
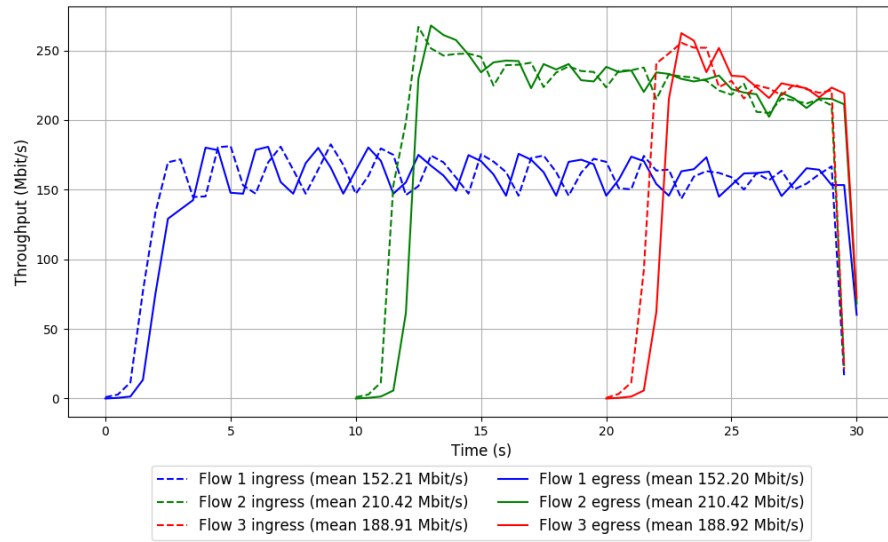
-- Flow 3:

Average throughput: 188.92 Mbit/s

95th percentile per-packet one-way delay: 114.050 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

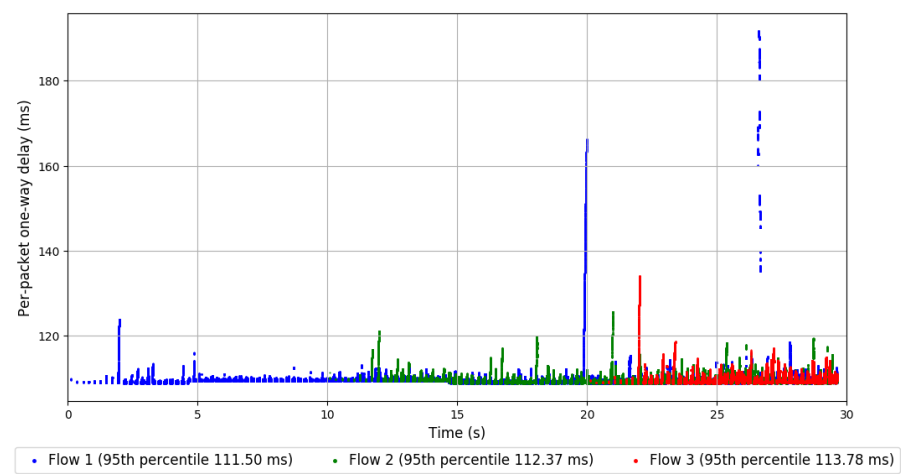
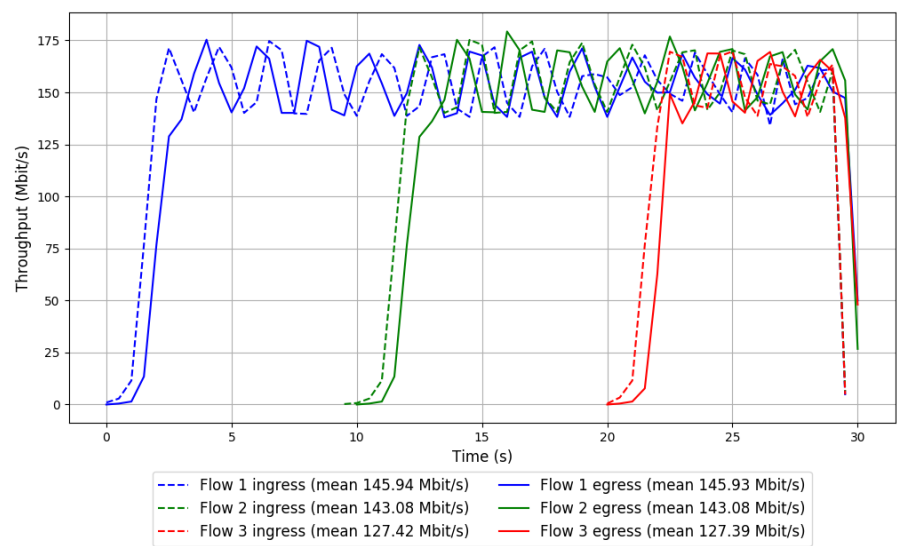


Run 6: Statistics of Indigo

Start at: 2018-08-01 06:56:03
End at: 2018-08-01 06:56:33
Local clock offset: -0.028 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.57 Mbit/s
95th percentile per-packet one-way delay: 112.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.93 Mbit/s
95th percentile per-packet one-way delay: 111.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.08 Mbit/s
95th percentile per-packet one-way delay: 112.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.39 Mbit/s
95th percentile per-packet one-way delay: 113.781 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

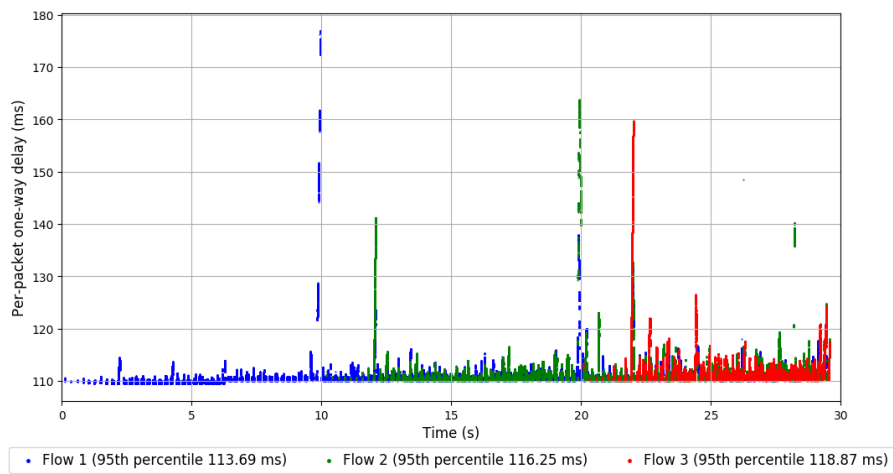
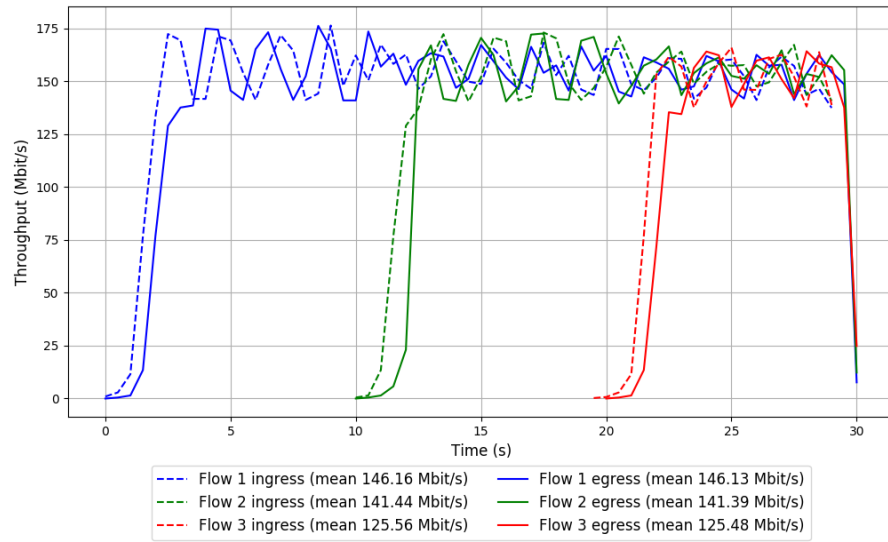


Run 7: Statistics of Indigo

Start at: 2018-08-01 07:22:11
End at: 2018-08-01 07:22:41
Local clock offset: -0.318 ms
Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.57 Mbit/s
95th percentile per-packet one-way delay: 115.069 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 146.13 Mbit/s
95th percentile per-packet one-way delay: 113.690 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 141.39 Mbit/s
95th percentile per-packet one-way delay: 116.248 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 125.48 Mbit/s
95th percentile per-packet one-way delay: 118.866 ms
Loss rate: 0.09%

Run 7: Report of Indigo — Data Link

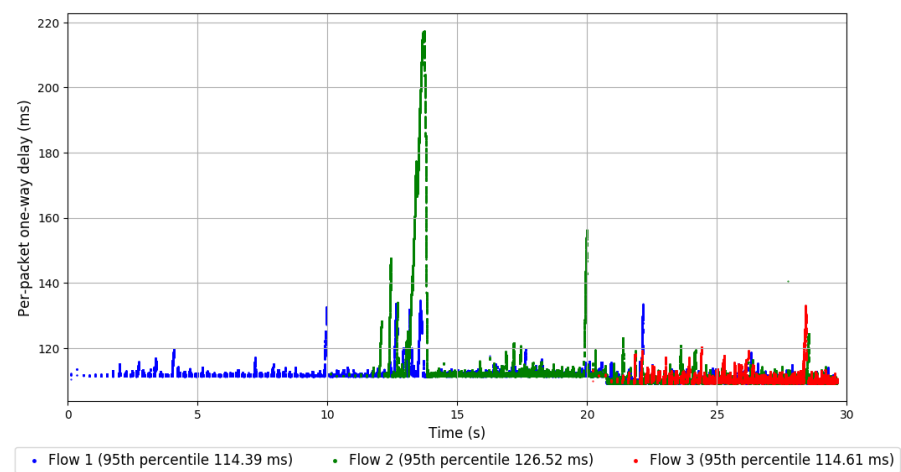
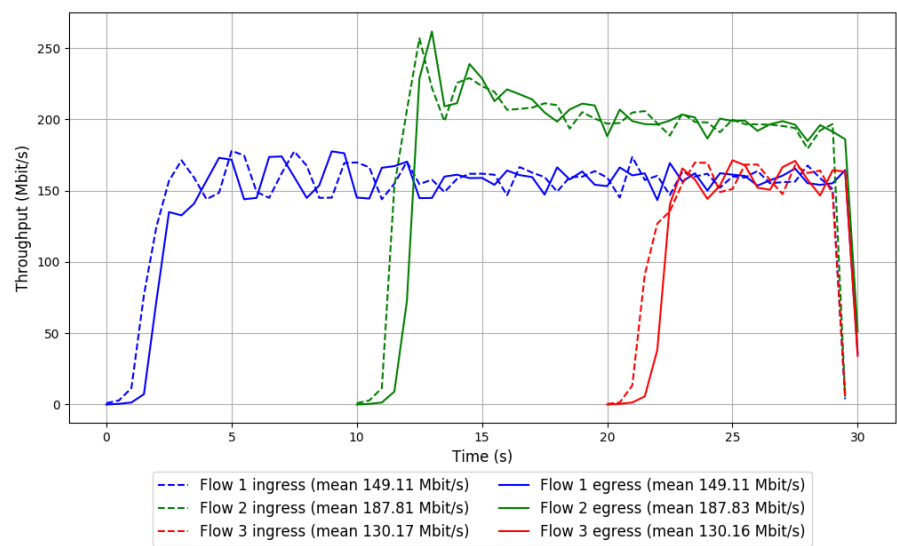


Run 8: Statistics of Indigo

Start at: 2018-08-01 07:48:17
End at: 2018-08-01 07:48:47
Local clock offset: -0.279 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.82 Mbit/s
95th percentile per-packet one-way delay: 117.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.11 Mbit/s
95th percentile per-packet one-way delay: 114.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.83 Mbit/s
95th percentile per-packet one-way delay: 126.521 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.16 Mbit/s
95th percentile per-packet one-way delay: 114.605 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

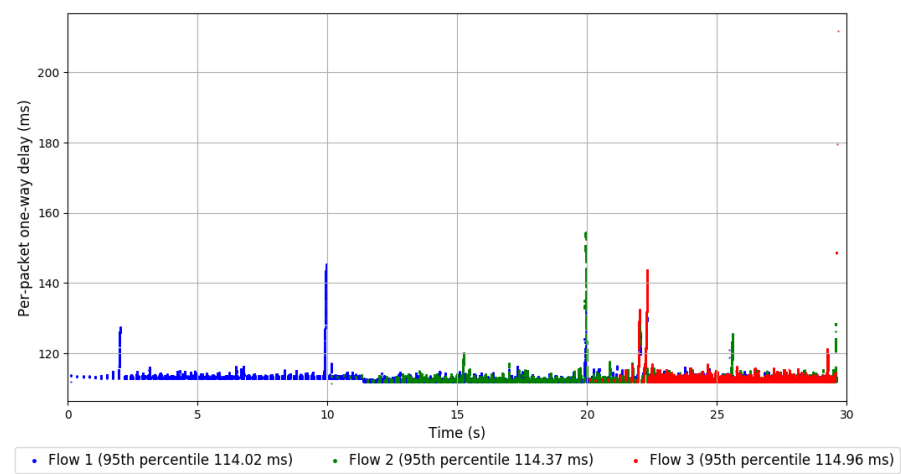
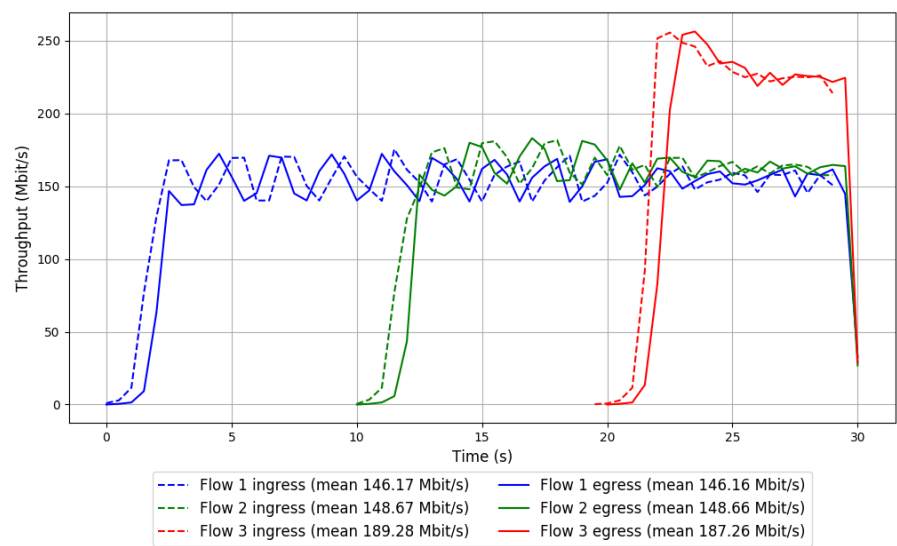


Run 9: Statistics of Indigo

Start at: 2018-08-01 08:14:26
End at: 2018-08-01 08:14:56
Local clock offset: -1.473 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.32 Mbit/s
95th percentile per-packet one-way delay: 114.283 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 146.16 Mbit/s
95th percentile per-packet one-way delay: 114.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 148.66 Mbit/s
95th percentile per-packet one-way delay: 114.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 187.26 Mbit/s
95th percentile per-packet one-way delay: 114.958 ms
Loss rate: 0.45%

Run 9: Report of Indigo — Data Link

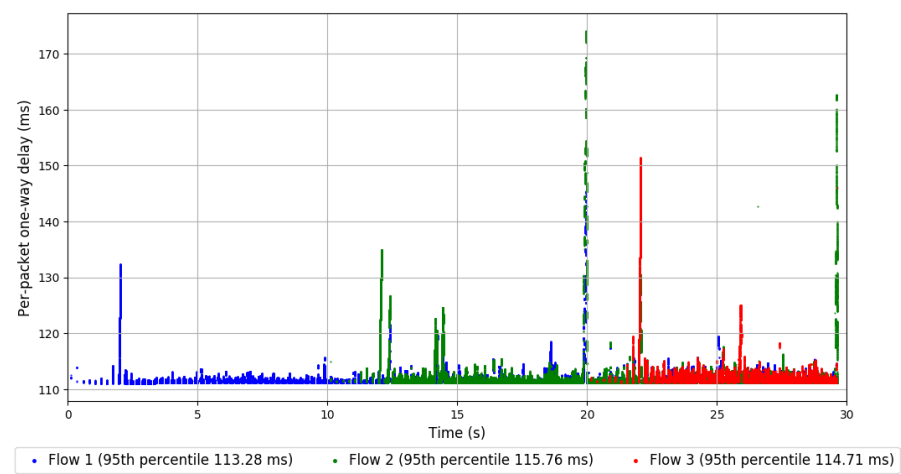
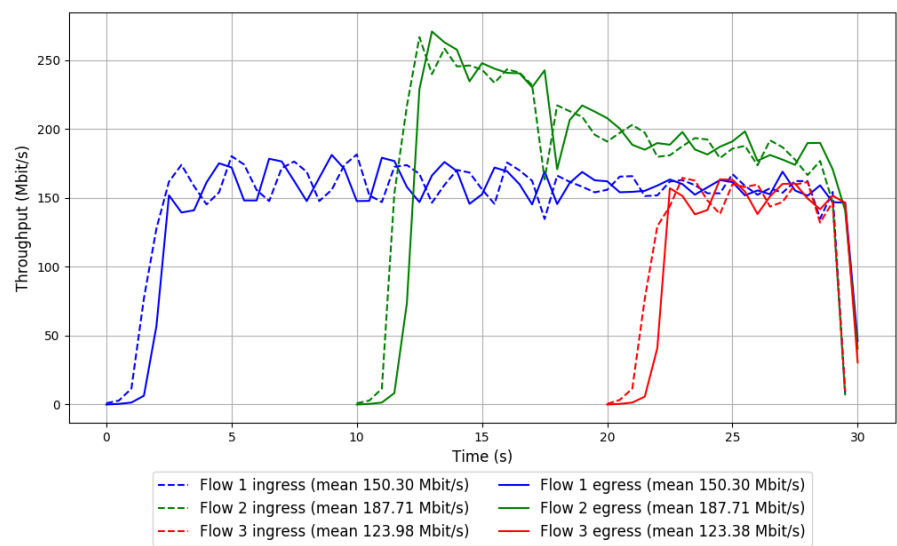


Run 10: Statistics of Indigo

Start at: 2018-08-01 08:40:34
End at: 2018-08-01 08:41:04
Local clock offset: -0.024 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.10 Mbit/s
95th percentile per-packet one-way delay: 114.001 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 150.30 Mbit/s
95th percentile per-packet one-way delay: 113.282 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.71 Mbit/s
95th percentile per-packet one-way delay: 115.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 123.38 Mbit/s
95th percentile per-packet one-way delay: 114.708 ms
Loss rate: 0.42%

Run 10: Report of Indigo — Data Link

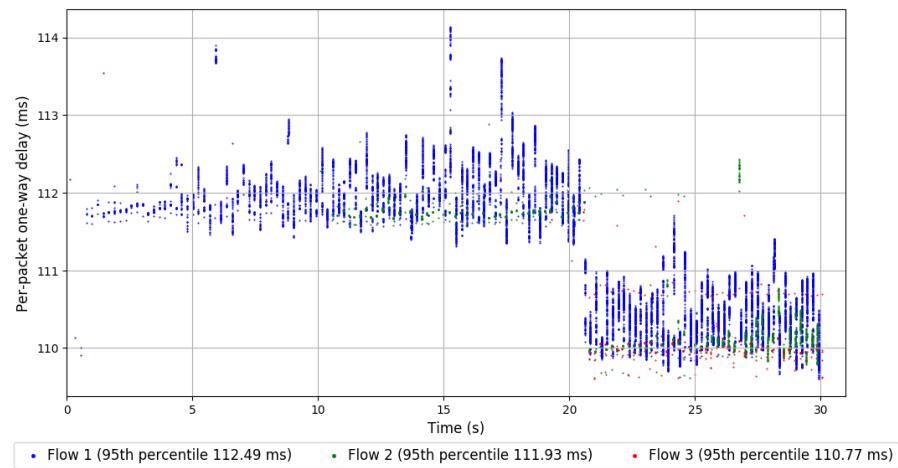
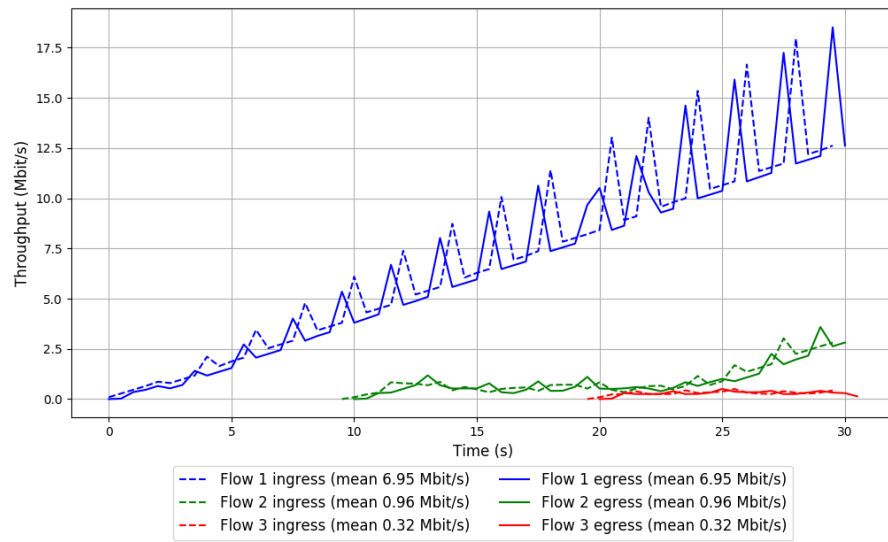


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 04:45:18
End at: 2018-08-01 04:45:48
Local clock offset: -0.058 ms
Remote clock offset: 0.252 ms

# Below is generated by plot.py at 2018-08-01 10:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 112.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 112.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 111.929 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 110.765 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-01 05:12:01

End at: 2018-08-01 05:12:31

Local clock offset: 1.417 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-08-01 10:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.77 Mbit/s

95th percentile per-packet one-way delay: 111.260 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 111.275 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 111.267 ms

Loss rate: 0.00%

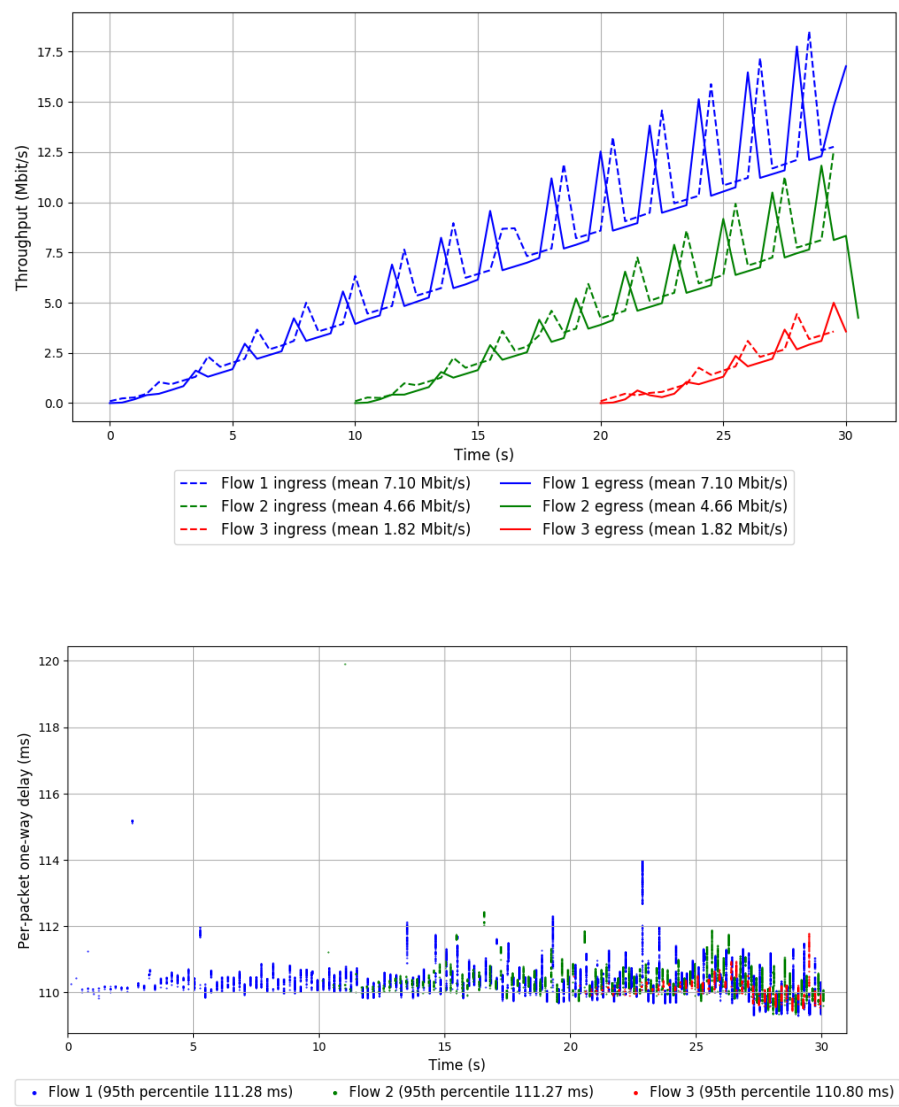
-- Flow 3:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 110.799 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

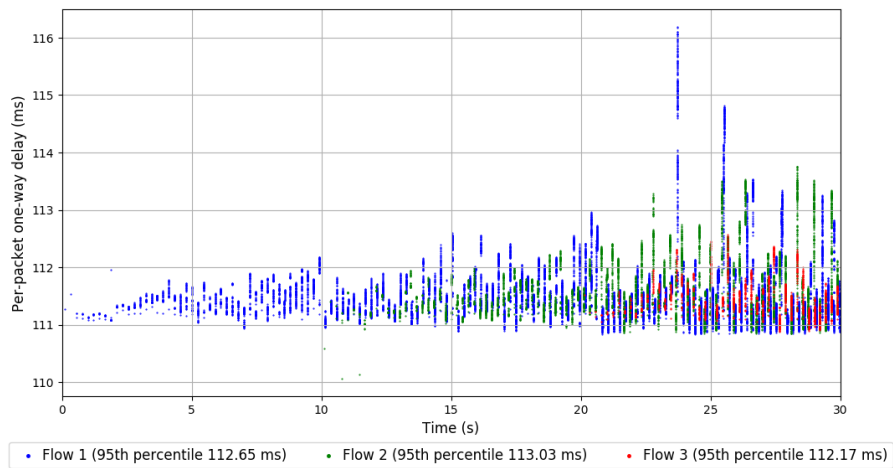
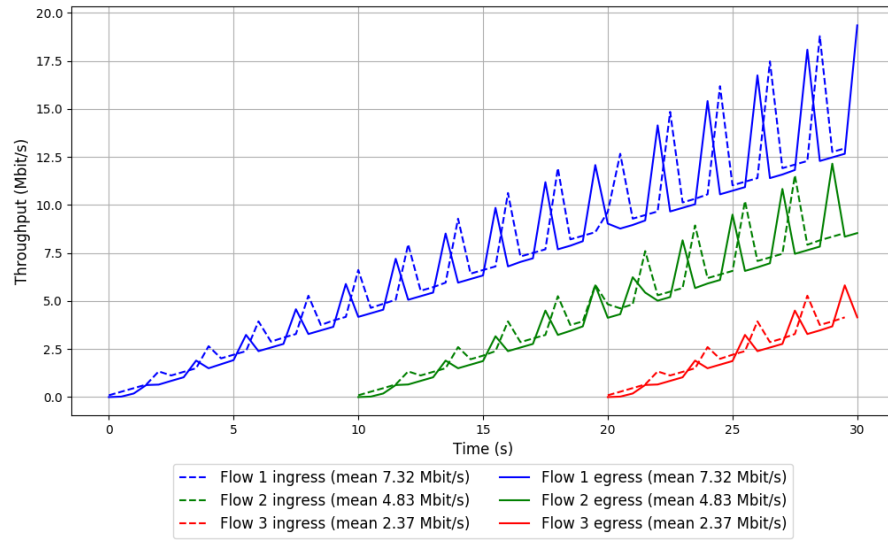


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 05:38:28
End at: 2018-08-01 05:38:58
Local clock offset: -0.088 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 112.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 112.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 113.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 112.173 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-01 06:05:11

End at: 2018-08-01 06:05:41

Local clock offset: -0.01 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-08-01 10:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 112.609 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 112.775 ms

Loss rate: 0.00%

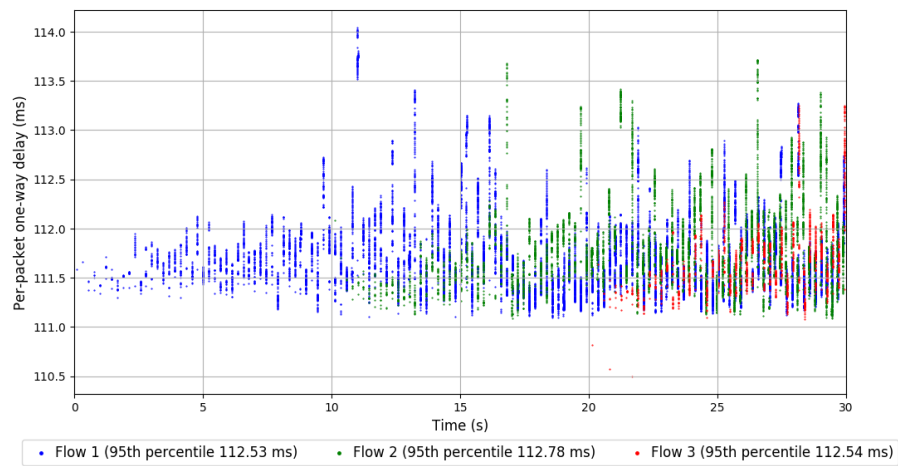
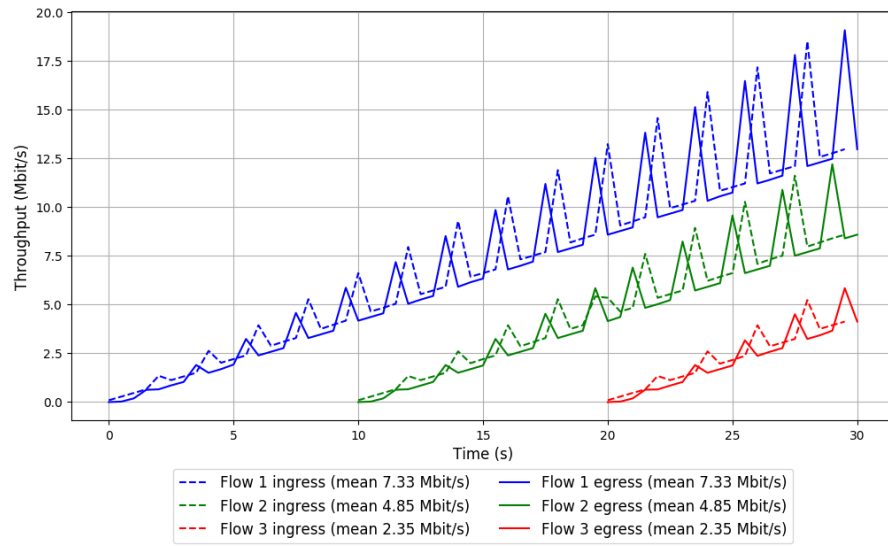
-- Flow 3:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 112.539 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

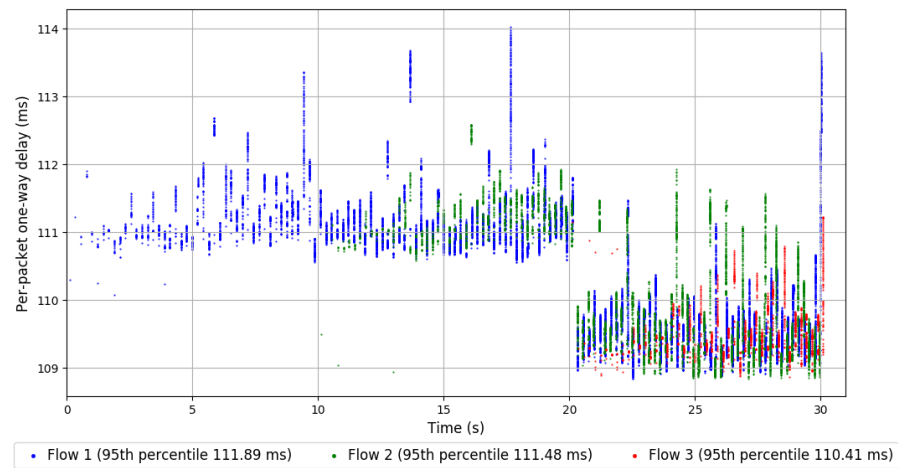
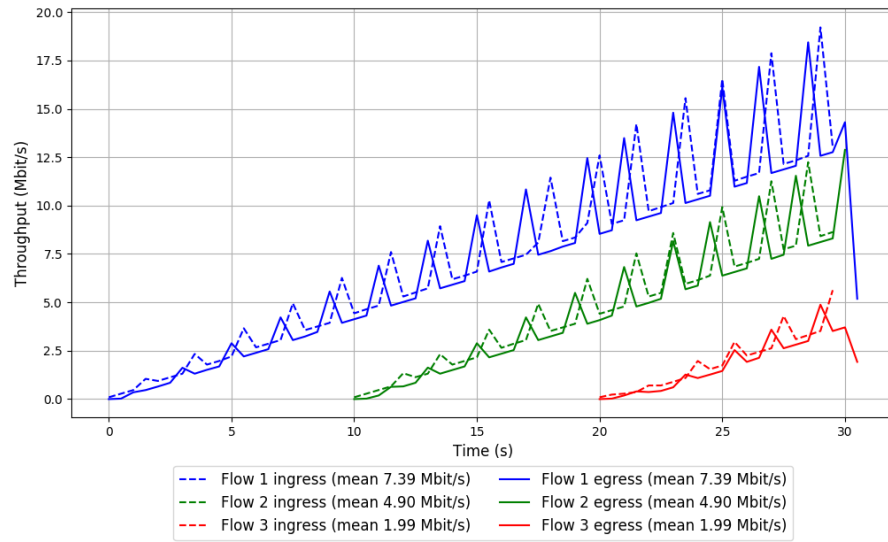


Run 5: Statistics of LEDBAT

Start at: 2018-08-01 06:31:58
End at: 2018-08-01 06:32:28
Local clock offset: 0.018 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 111.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 111.886 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 111.482 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 110.405 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

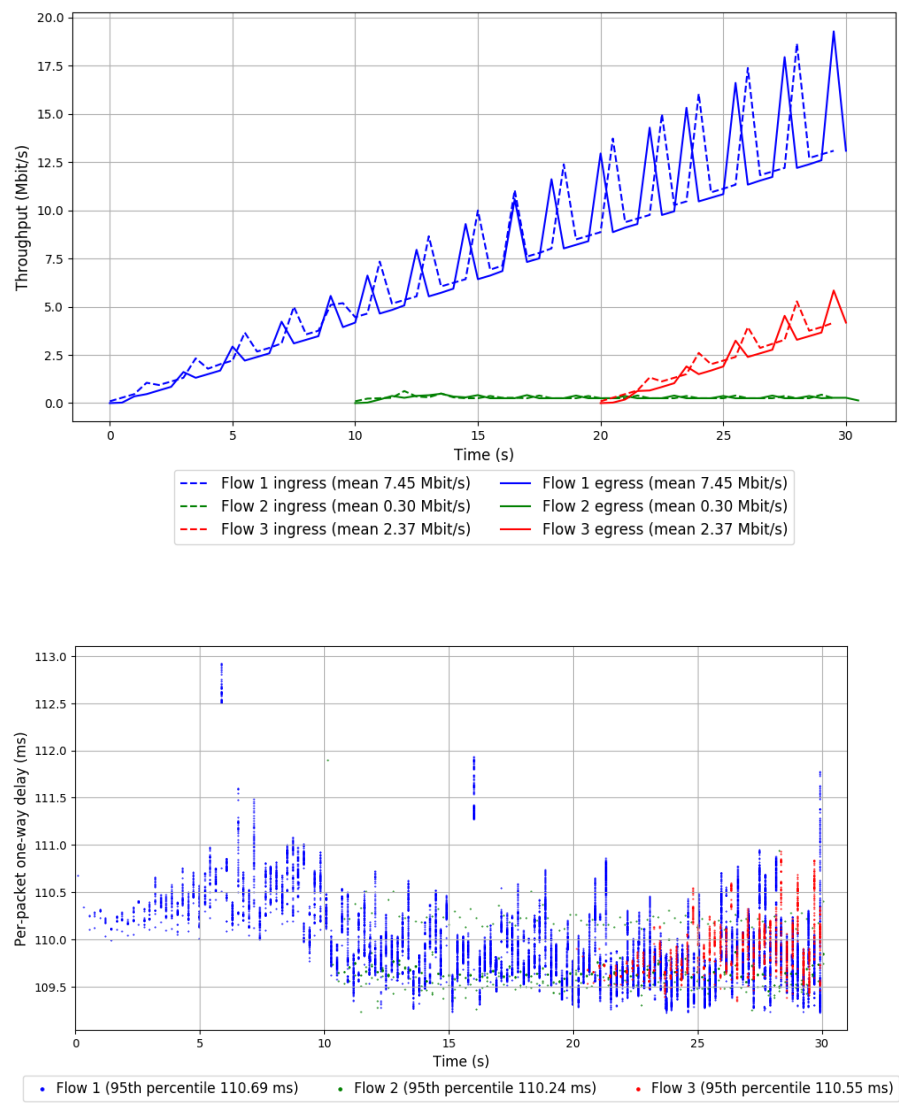


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 06:57:38
End at: 2018-08-01 06:58:08
Local clock offset: -0.029 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 110.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 110.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 110.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 110.553 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-01 07:23:47

End at: 2018-08-01 07:24:17

Local clock offset: 0.077 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-08-01 10:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.97 Mbit/s

95th percentile per-packet one-way delay: 110.338 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 110.304 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.92 Mbit/s

95th percentile per-packet one-way delay: 110.354 ms

Loss rate: 0.00%

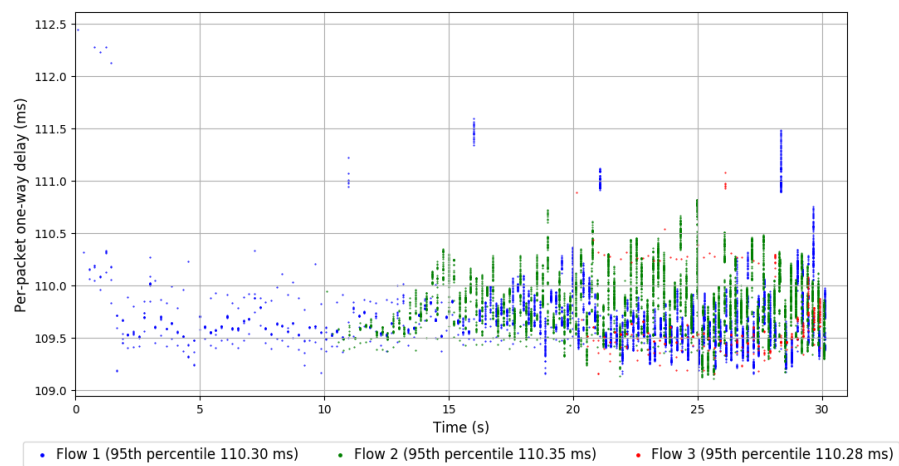
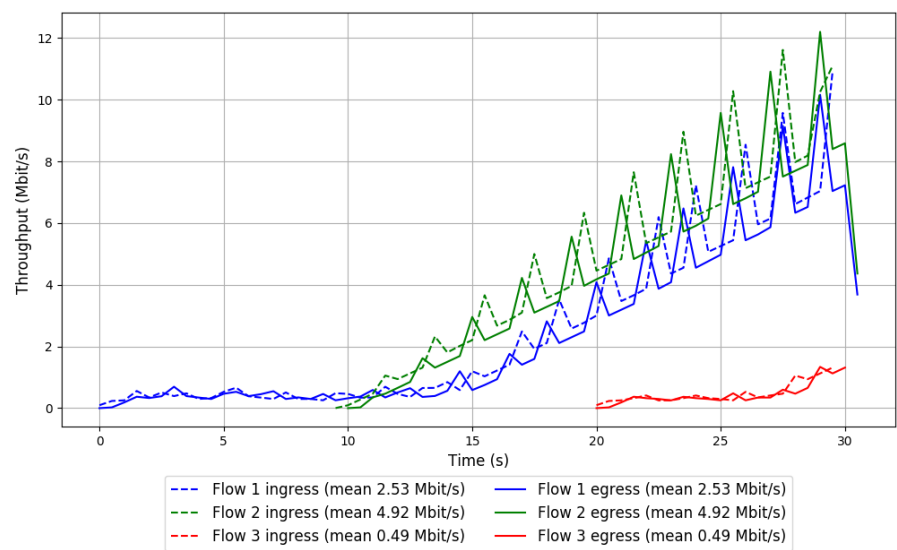
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 110.275 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

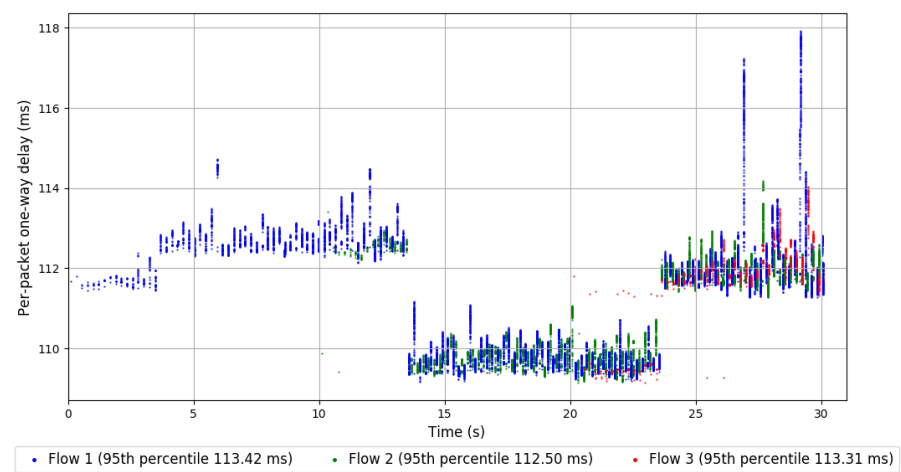
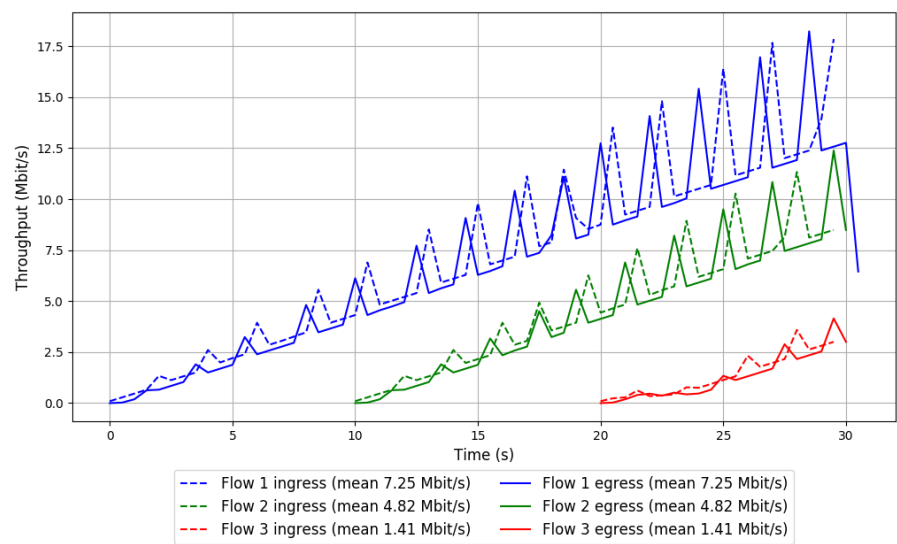


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 07:49:55
End at: 2018-08-01 07:50:25
Local clock offset: -0.187 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: 113.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 113.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 112.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 113.307 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

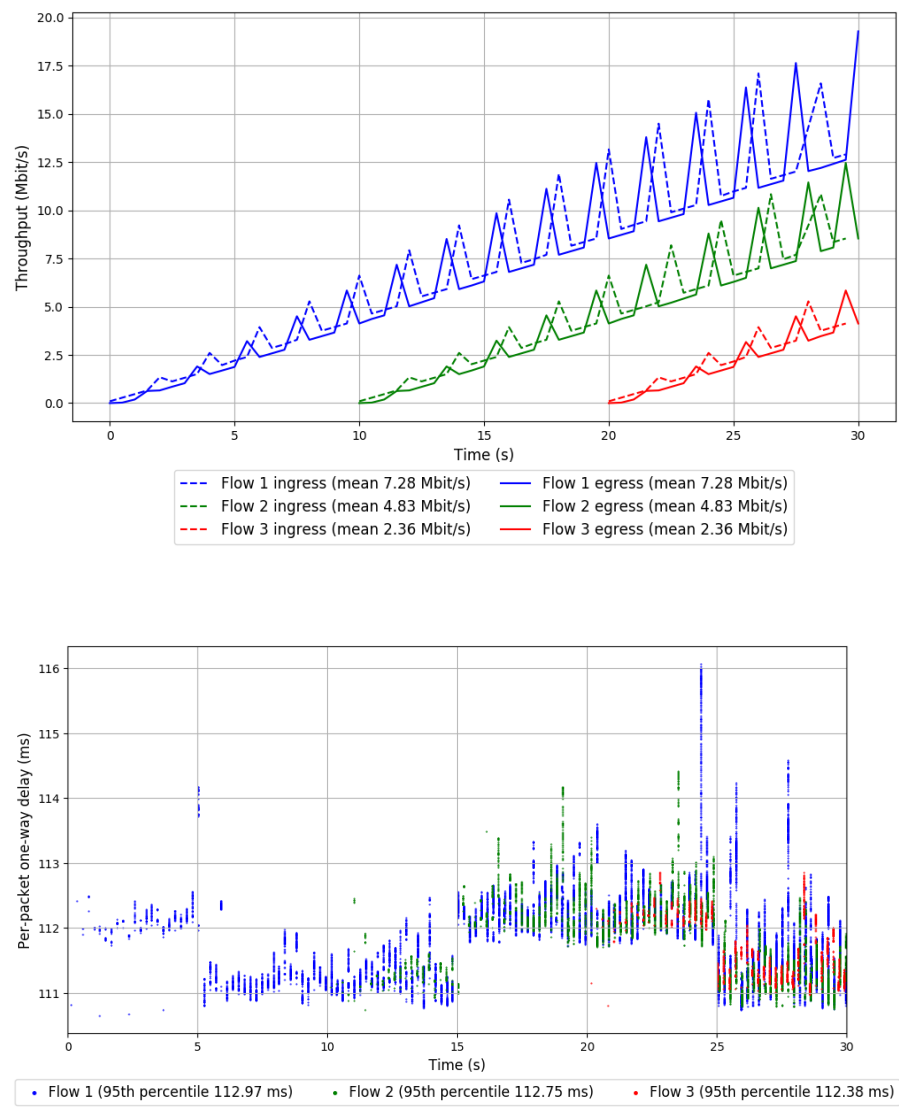


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 08:16:03
End at: 2018-08-01 08:16:33
Local clock offset: -0.011 ms
Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 112.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 112.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 112.751 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 112.379 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-01 08:42:13

End at: 2018-08-01 08:42:43

Local clock offset: 1.347 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-01 10:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 111.195 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 111.312 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 110.897 ms

Loss rate: 0.00%

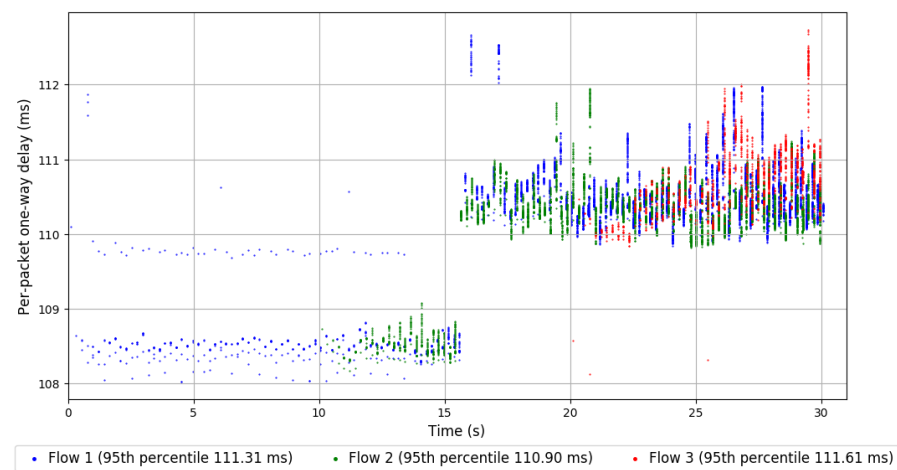
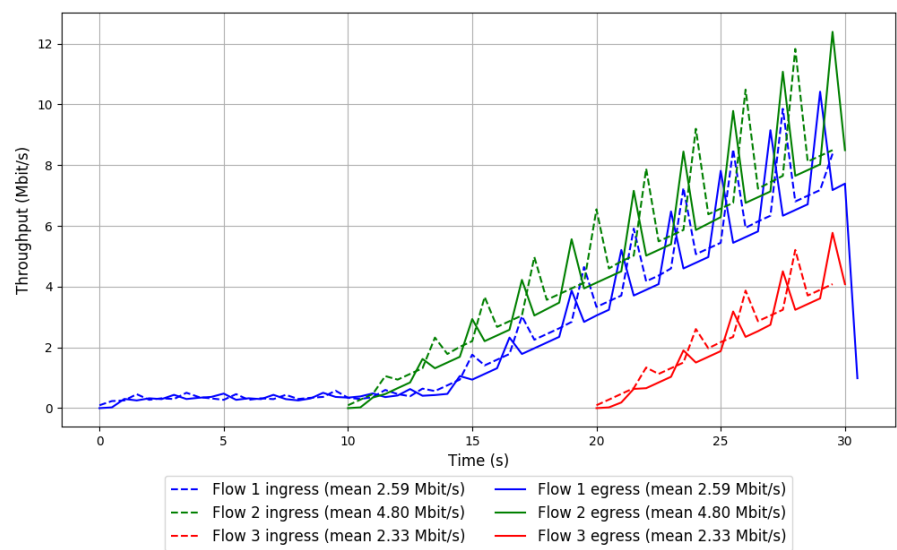
-- Flow 3:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 111.610 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

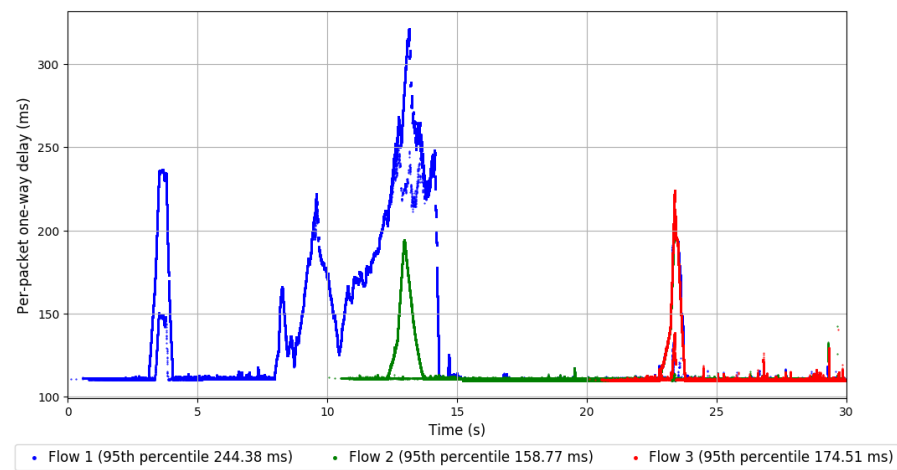
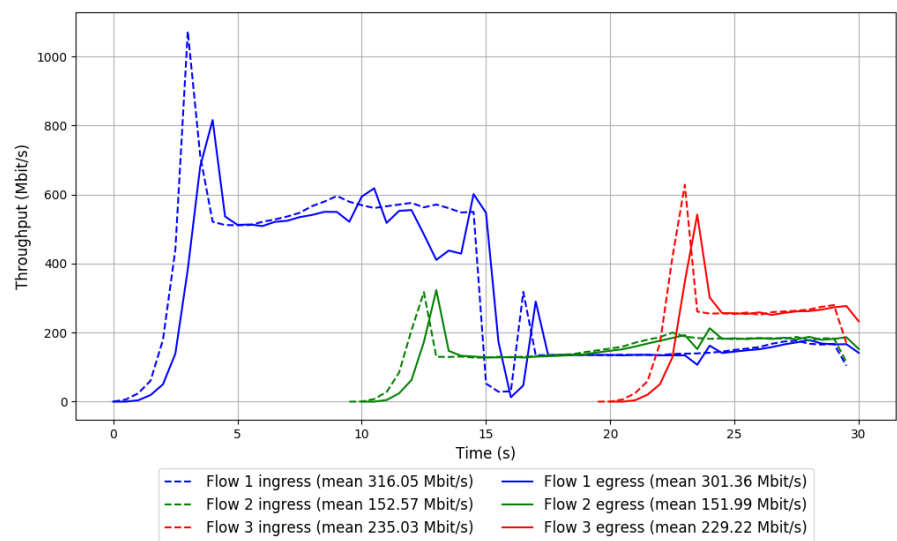


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 04:58:13
End at: 2018-08-01 04:58:43
Local clock offset: 0.132 ms
Remote clock offset: -0.504 ms

Below is generated by plot.py at 2018-08-01 10:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.08 Mbit/s
95th percentile per-packet one-way delay: 232.585 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 301.36 Mbit/s
95th percentile per-packet one-way delay: 244.376 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 151.99 Mbit/s
95th percentile per-packet one-way delay: 158.772 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 229.22 Mbit/s
95th percentile per-packet one-way delay: 174.512 ms
Loss rate: 2.48%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 05:24:43

End at: 2018-08-01 05:25:13

Local clock offset: -0.462 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-08-01 10:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 629.48 Mbit/s

95th percentile per-packet one-way delay: 259.734 ms

Loss rate: 3.44%

-- Flow 1:

Average throughput: 544.47 Mbit/s

95th percentile per-packet one-way delay: 264.083 ms

Loss rate: 3.68%

-- Flow 2:

Average throughput: 125.83 Mbit/s

95th percentile per-packet one-way delay: 202.968 ms

Loss rate: 1.93%

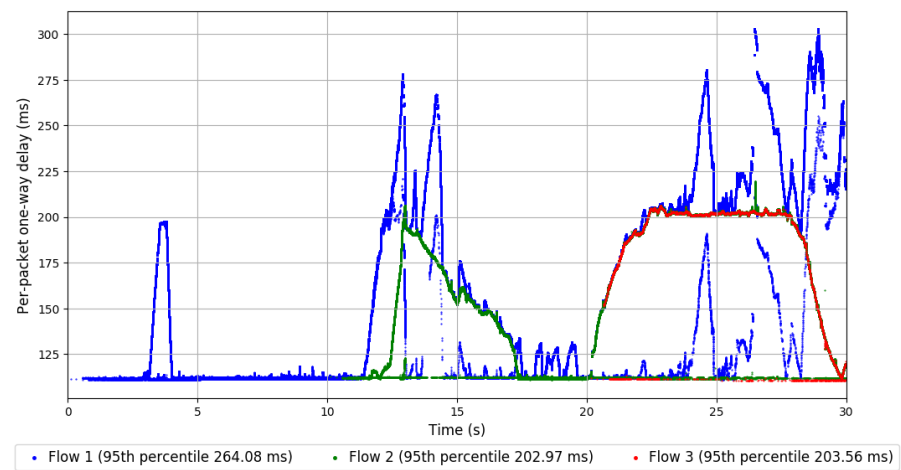
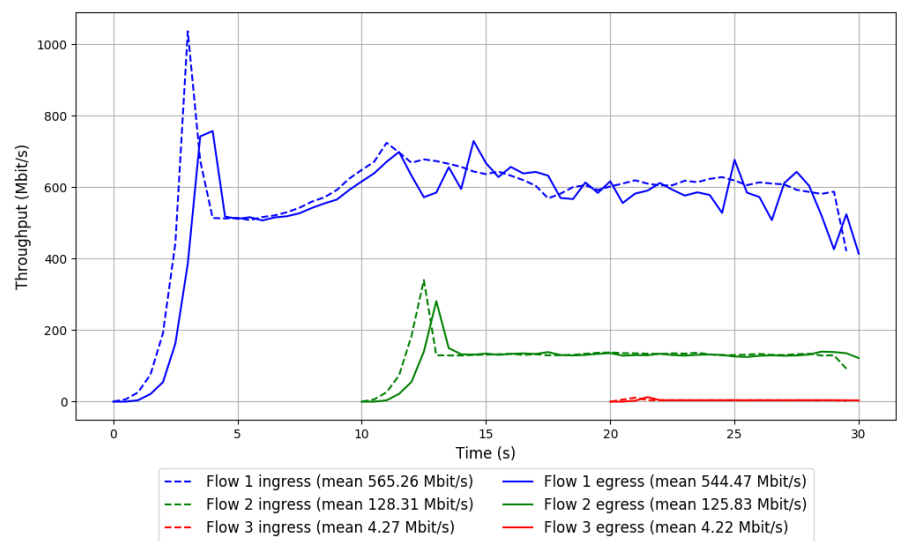
-- Flow 3:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 203.556 ms

Loss rate: 1.31%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 05:51:22

End at: 2018-08-01 05:51:52

Local clock offset: -0.166 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-08-01 10:46:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 648.58 Mbit/s

95th percentile per-packet one-way delay: 251.773 ms

Loss rate: 3.32%

-- Flow 1:

Average throughput: 472.25 Mbit/s

95th percentile per-packet one-way delay: 281.950 ms

Loss rate: 3.55%

-- Flow 2:

Average throughput: 235.51 Mbit/s

95th percentile per-packet one-way delay: 195.968 ms

Loss rate: 2.84%

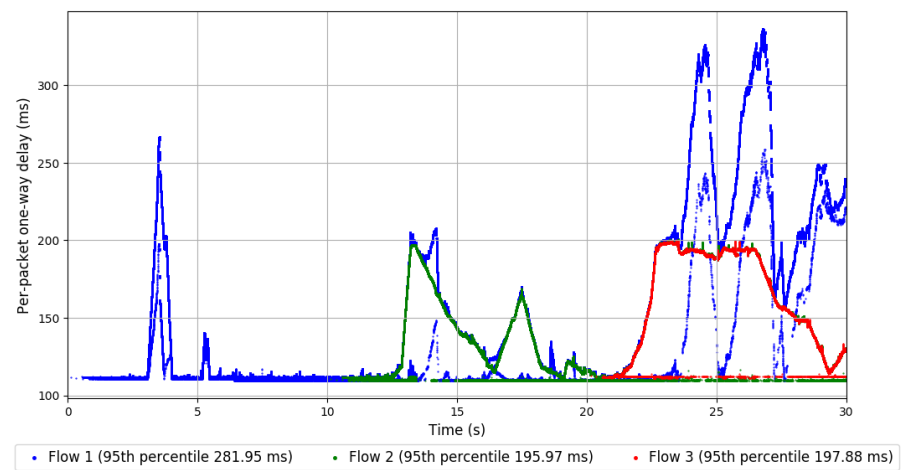
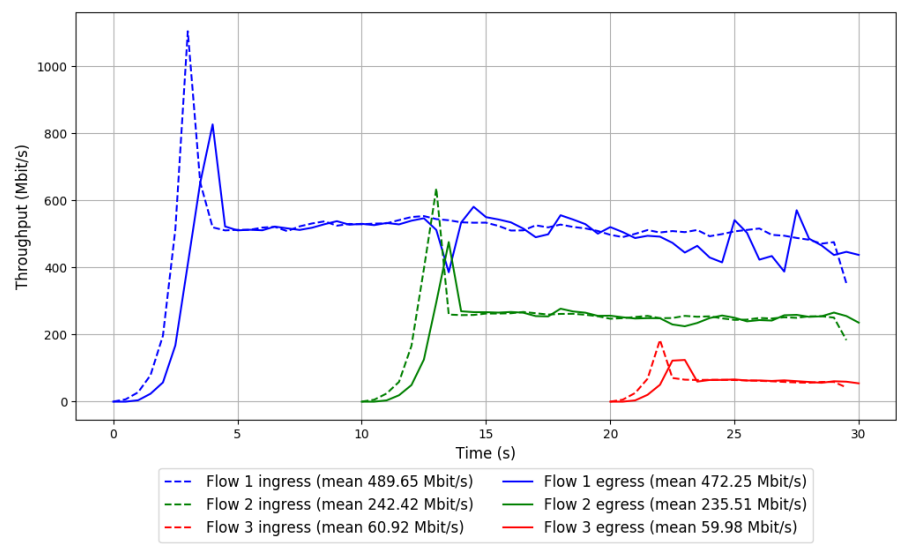
-- Flow 3:

Average throughput: 59.98 Mbit/s

95th percentile per-packet one-way delay: 197.877 ms

Loss rate: 1.54%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 06:18:03

End at: 2018-08-01 06:18:33

Local clock offset: 1.166 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-08-01 10:47:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 602.65 Mbit/s

95th percentile per-packet one-way delay: 244.940 ms

Loss rate: 4.15%

-- Flow 1:

Average throughput: 482.63 Mbit/s

95th percentile per-packet one-way delay: 248.786 ms

Loss rate: 4.59%

-- Flow 2:

Average throughput: 120.97 Mbit/s

95th percentile per-packet one-way delay: 202.544 ms

Loss rate: 2.29%

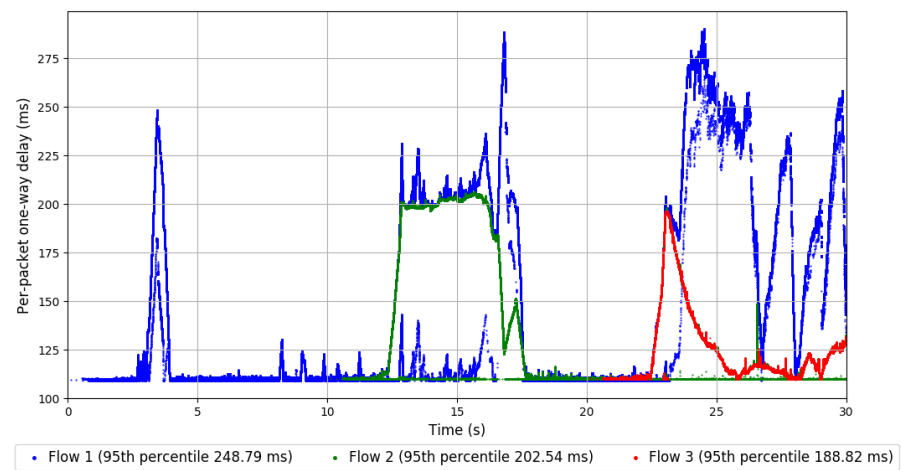
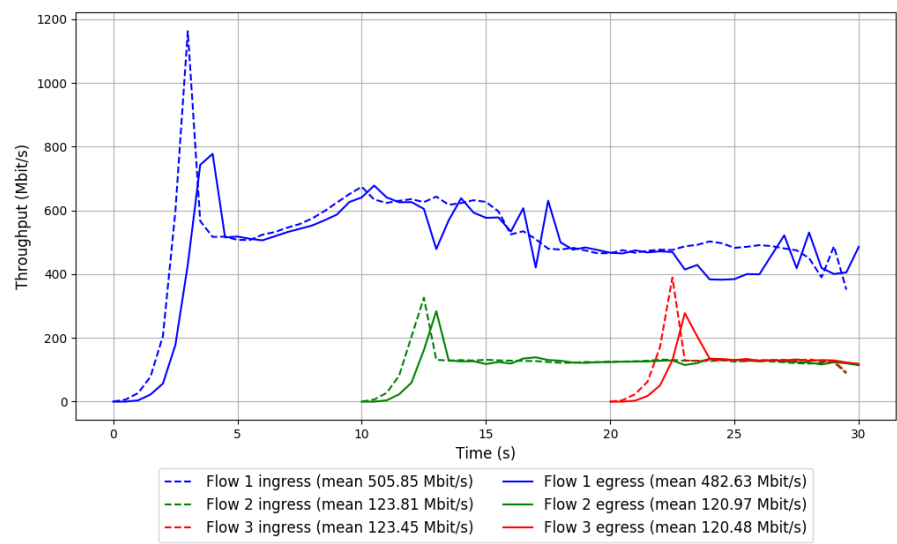
-- Flow 3:

Average throughput: 120.48 Mbit/s

95th percentile per-packet one-way delay: 188.819 ms

Loss rate: 2.41%

Run 4: Report of PCC-Allegro — Data Link

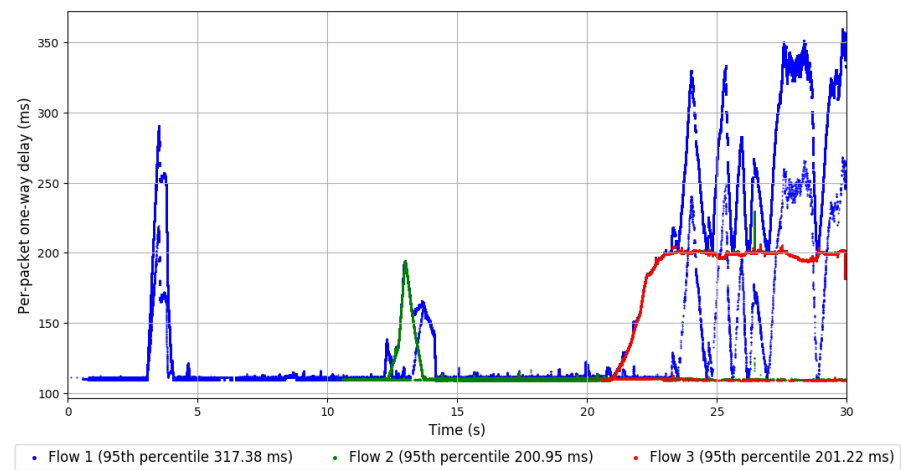
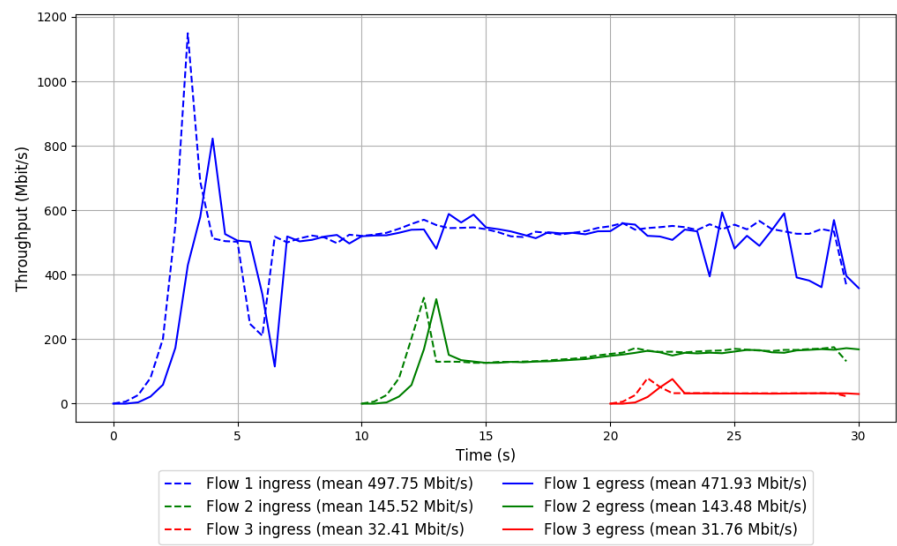


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 06:44:14
End at: 2018-08-01 06:44:44
Local clock offset: -0.141 ms
Remote clock offset: -0.498 ms

Below is generated by plot.py at 2018-08-01 10:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 577.77 Mbit/s
95th percentile per-packet one-way delay: 308.661 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 471.93 Mbit/s
95th percentile per-packet one-way delay: 317.383 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 143.48 Mbit/s
95th percentile per-packet one-way delay: 200.949 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 201.224 ms
Loss rate: 2.02%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 07:10:29

End at: 2018-08-01 07:10:59

Local clock offset: 1.294 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2018-08-01 10:49:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 536.47 Mbit/s

95th percentile per-packet one-way delay: 198.100 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 364.57 Mbit/s

95th percentile per-packet one-way delay: 198.405 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 242.39 Mbit/s

95th percentile per-packet one-way delay: 197.788 ms

Loss rate: 2.25%

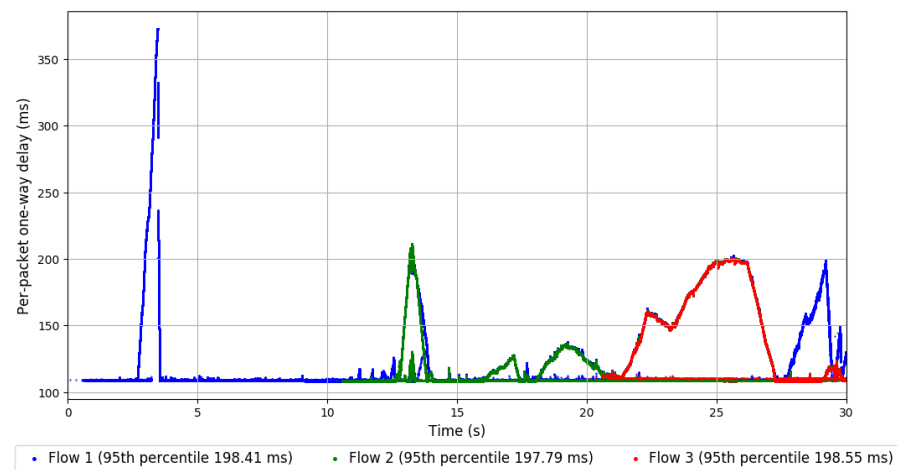
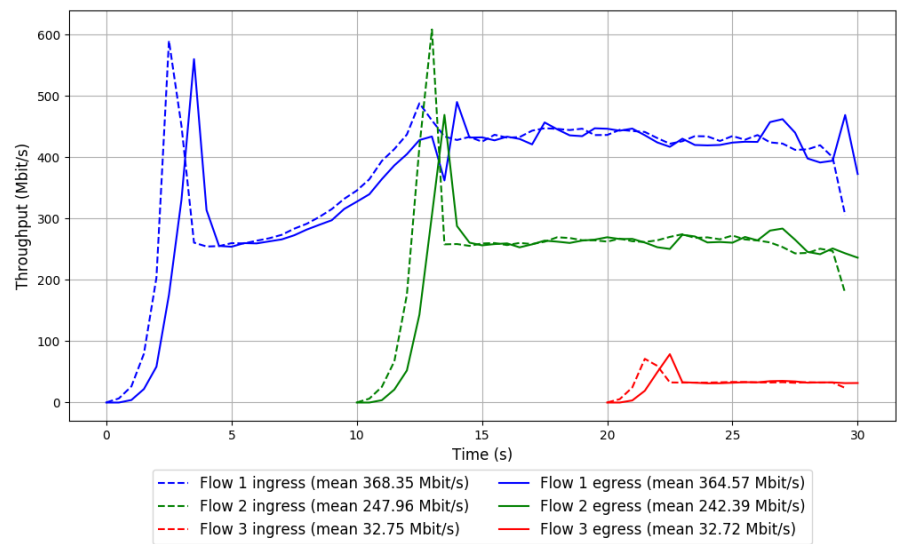
-- Flow 3:

Average throughput: 32.72 Mbit/s

95th percentile per-packet one-way delay: 198.552 ms

Loss rate: 0.11%

Run 6: Report of PCC-Allegro — Data Link

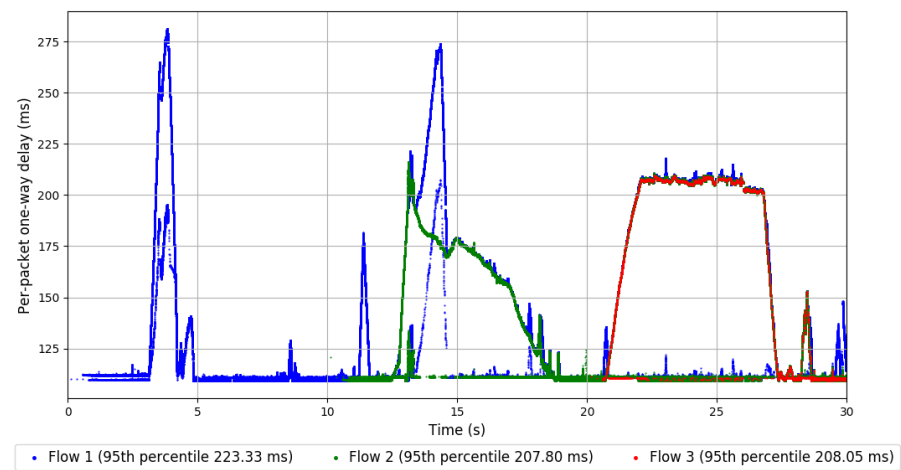
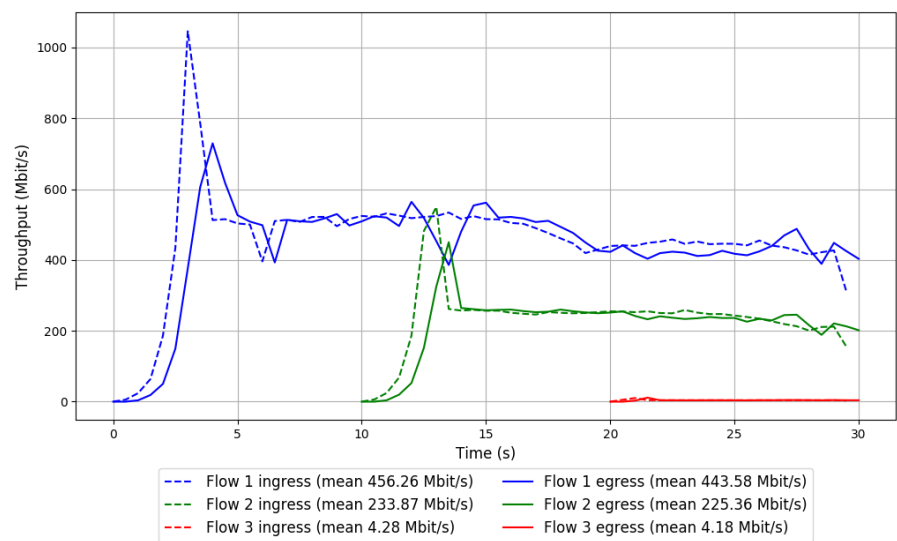


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 07:36:23
End at: 2018-08-01 07:36:53
Local clock offset: -0.115 ms
Remote clock offset: -0.523 ms

```
# Below is generated by plot.py at 2018-08-01 10:51:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 594.70 Mbit/s
95th percentile per-packet one-way delay: 209.731 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 443.58 Mbit/s
95th percentile per-packet one-way delay: 223.334 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 225.36 Mbit/s
95th percentile per-packet one-way delay: 207.803 ms
Loss rate: 3.69%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 208.053 ms
Loss rate: 2.51%
```


Run 7: Report of PCC-Allegro — Data Link

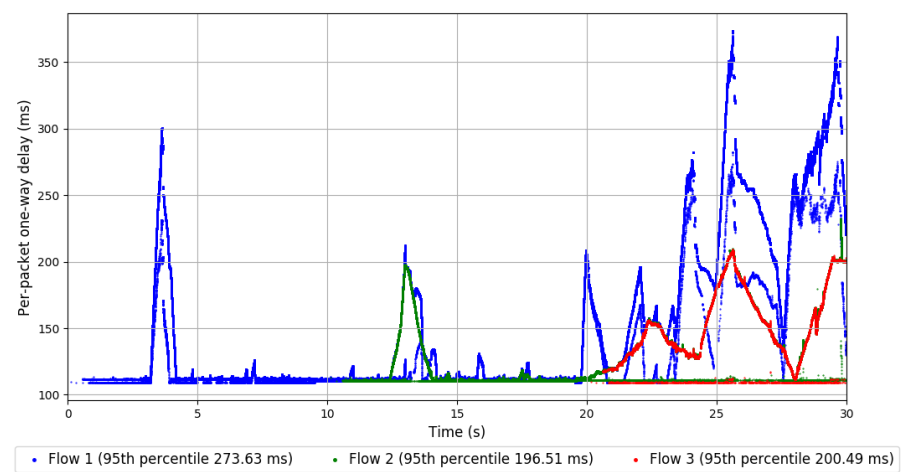
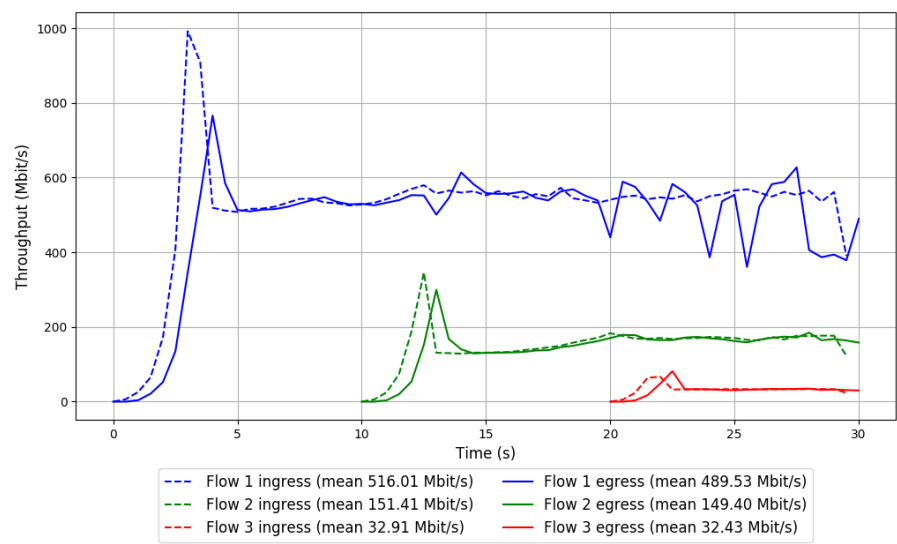


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 08:02:29
End at: 2018-08-01 08:02:59
Local clock offset: -0.191 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-08-01 10:52:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 599.43 Mbit/s
95th percentile per-packet one-way delay: 265.779 ms
Loss rate: 4.46%
-- Flow 1:
Average throughput: 489.53 Mbit/s
95th percentile per-packet one-way delay: 273.633 ms
Loss rate: 5.13%
-- Flow 2:
Average throughput: 149.40 Mbit/s
95th percentile per-packet one-way delay: 196.514 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 200.485 ms
Loss rate: 1.42%

Run 8: Report of PCC-Allegro — Data Link

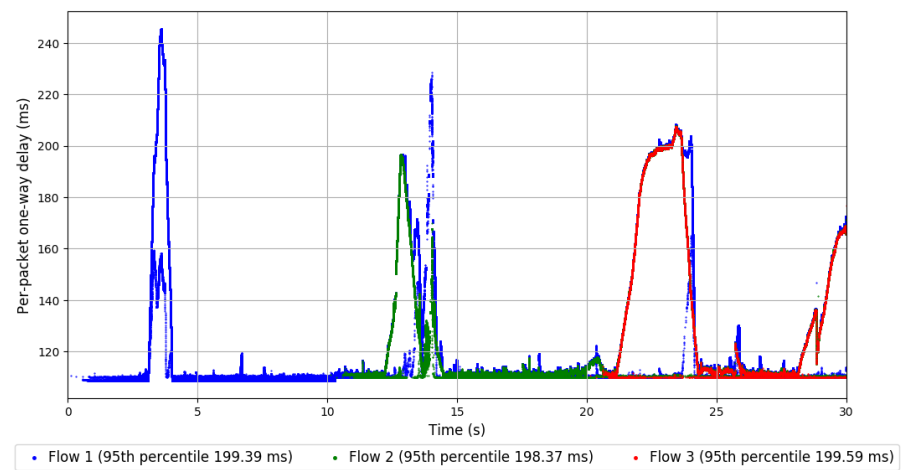
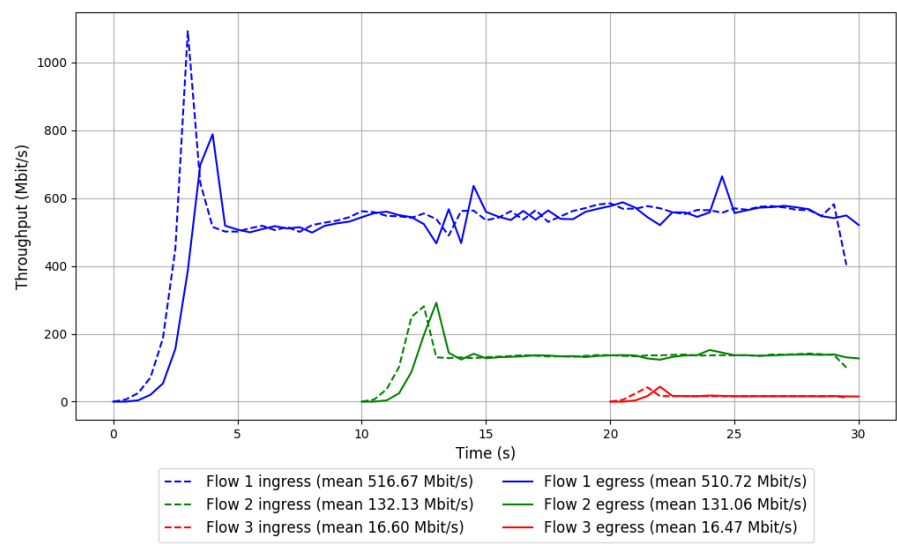


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 08:28:48
End at: 2018-08-01 08:29:18
Local clock offset: 0.232 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-08-01 10:54:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 603.12 Mbit/s
95th percentile per-packet one-way delay: 199.205 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 510.72 Mbit/s
95th percentile per-packet one-way delay: 199.394 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 131.06 Mbit/s
95th percentile per-packet one-way delay: 198.365 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 199.590 ms
Loss rate: 0.67%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 08:54:38

End at: 2018-08-01 08:55:08

Local clock offset: 0.163 ms

Remote clock offset: 0.443 ms

Below is generated by plot.py at 2018-08-01 10:54:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 568.11 Mbit/s

95th percentile per-packet one-way delay: 298.425 ms

Loss rate: 6.47%

-- Flow 1:

Average throughput: 411.21 Mbit/s

95th percentile per-packet one-way delay: 304.645 ms

Loss rate: 7.44%

-- Flow 2:

Average throughput: 233.89 Mbit/s

95th percentile per-packet one-way delay: 226.104 ms

Loss rate: 3.89%

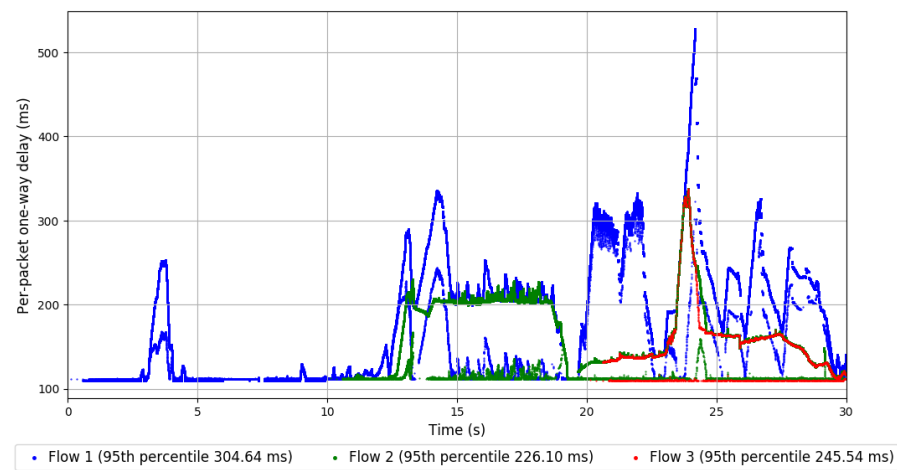
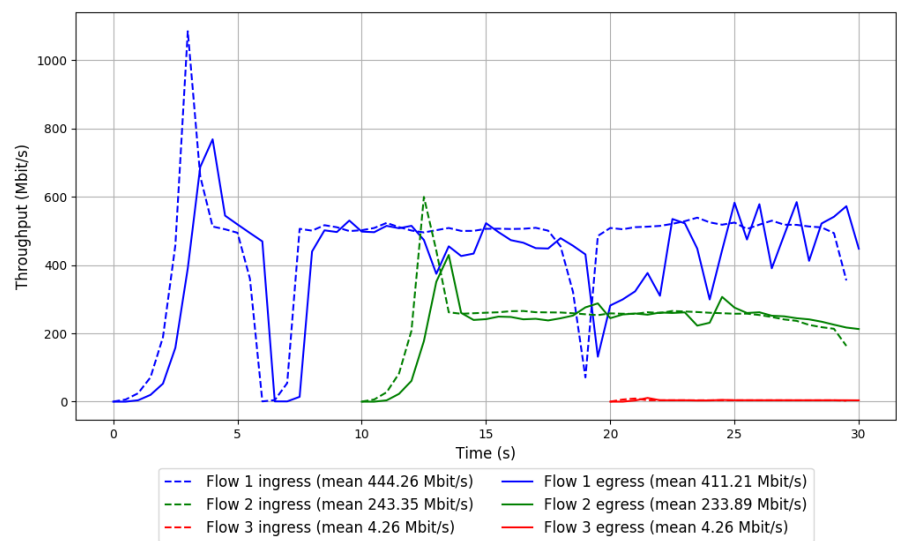
-- Flow 3:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 245.536 ms

Loss rate: 0.03%

Run 10: Report of PCC-Allegro — Data Link

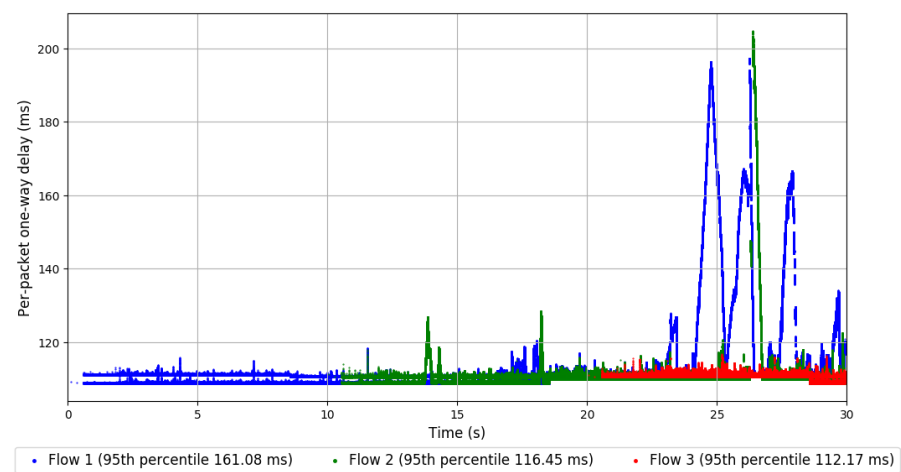
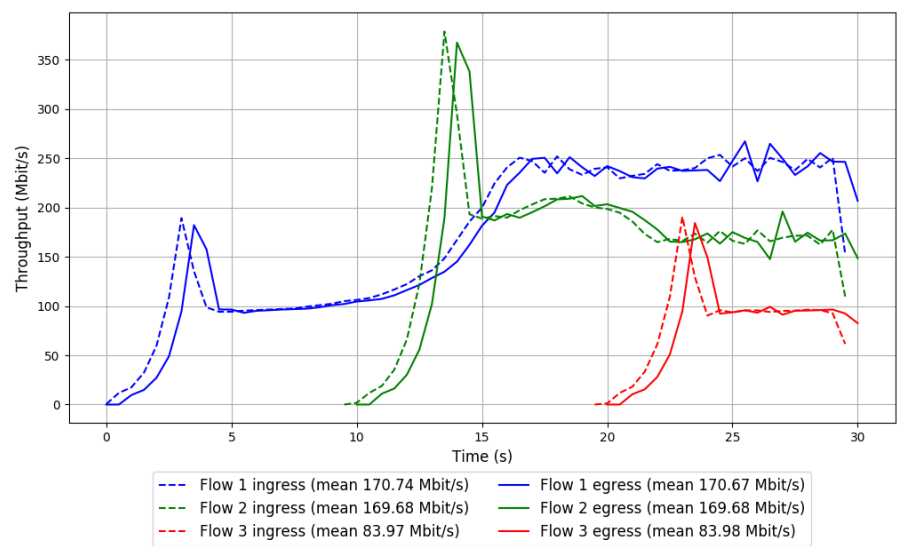


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 04:39:09
End at: 2018-08-01 04:39:39
Local clock offset: -0.001 ms
Remote clock offset: -0.469 ms

# Below is generated by plot.py at 2018-08-01 10:56:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.53 Mbit/s
95th percentile per-packet one-way delay: 145.516 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 170.67 Mbit/s
95th percentile per-packet one-way delay: 161.077 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 169.68 Mbit/s
95th percentile per-packet one-way delay: 116.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 112.175 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

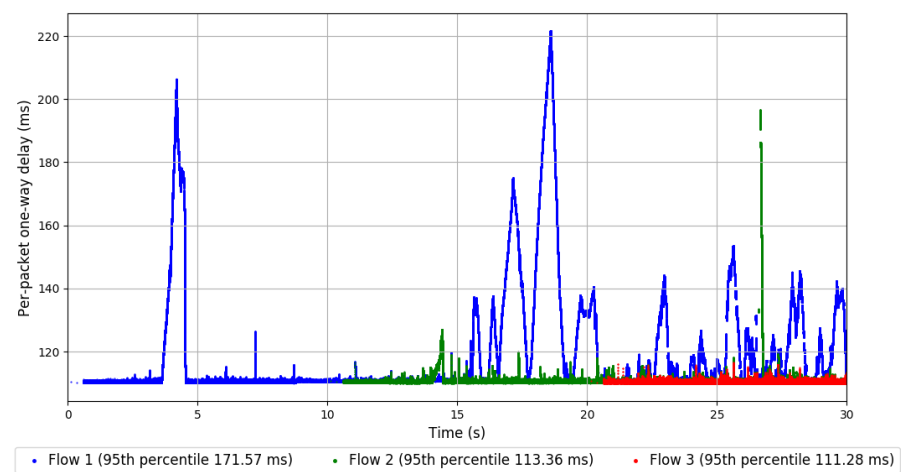
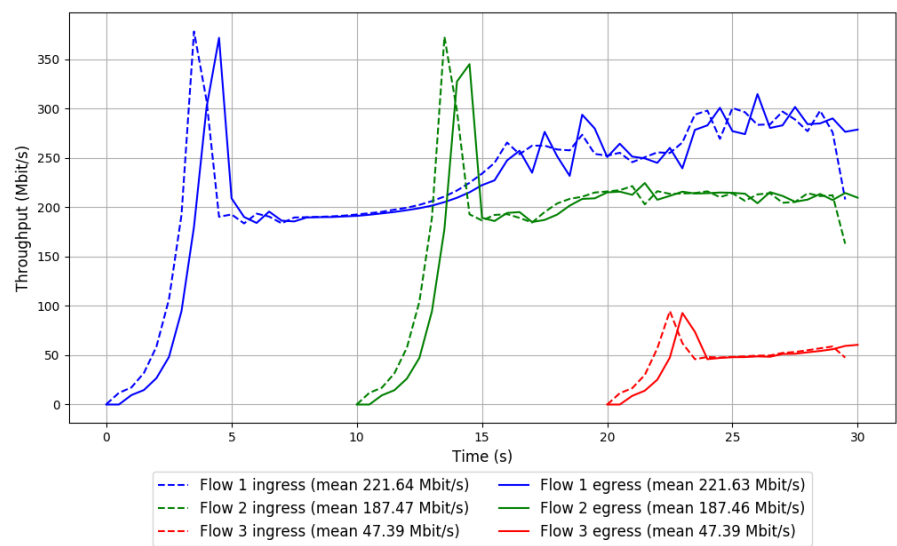


Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 05:05:29
End at: 2018-08-01 05:05:59
Local clock offset: 0.389 ms
Remote clock offset: -0.628 ms

Below is generated by plot.py at 2018-08-01 10:58:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.95 Mbit/s
95th percentile per-packet one-way delay: 152.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.63 Mbit/s
95th percentile per-packet one-way delay: 171.573 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.46 Mbit/s
95th percentile per-packet one-way delay: 113.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.39 Mbit/s
95th percentile per-packet one-way delay: 111.283 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

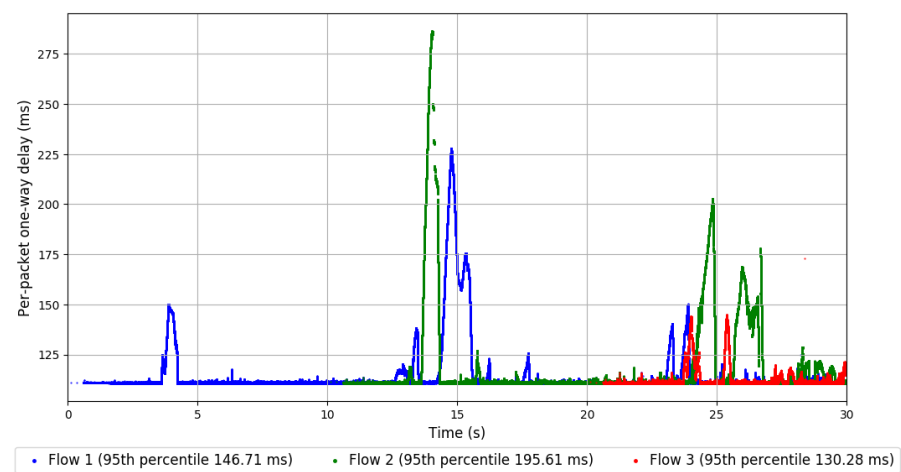
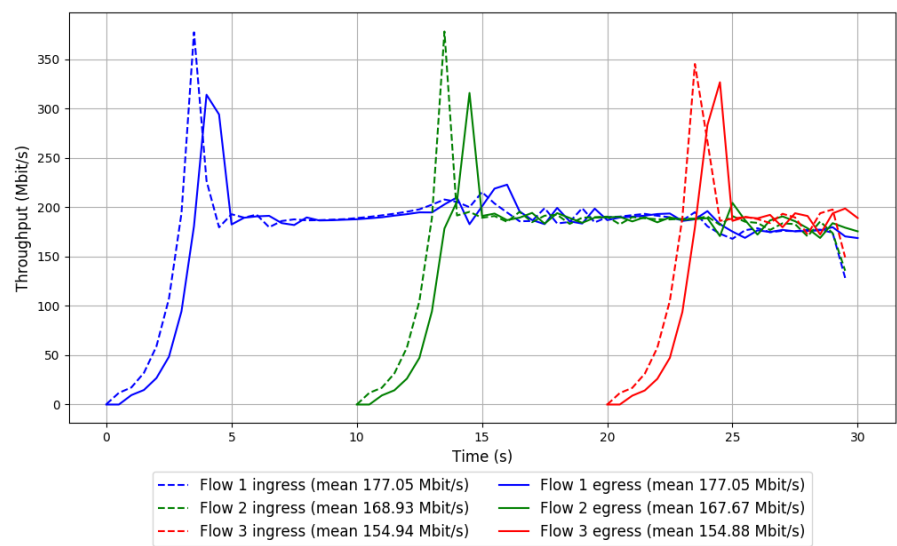


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 05:32:06
End at: 2018-08-01 05:32:36
Local clock offset: 0.034 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-01 10:59:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.65 Mbit/s
95th percentile per-packet one-way delay: 157.900 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 177.05 Mbit/s
95th percentile per-packet one-way delay: 146.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 167.67 Mbit/s
95th percentile per-packet one-way delay: 195.612 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 154.88 Mbit/s
95th percentile per-packet one-way delay: 130.279 ms
Loss rate: 0.04%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 05:58:49

End at: 2018-08-01 05:59:19

Local clock offset: 0.033 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-08-01 11:01:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.92 Mbit/s

95th percentile per-packet one-way delay: 215.528 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 216.79 Mbit/s

95th percentile per-packet one-way delay: 235.349 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 194.36 Mbit/s

95th percentile per-packet one-way delay: 140.194 ms

Loss rate: 0.25%

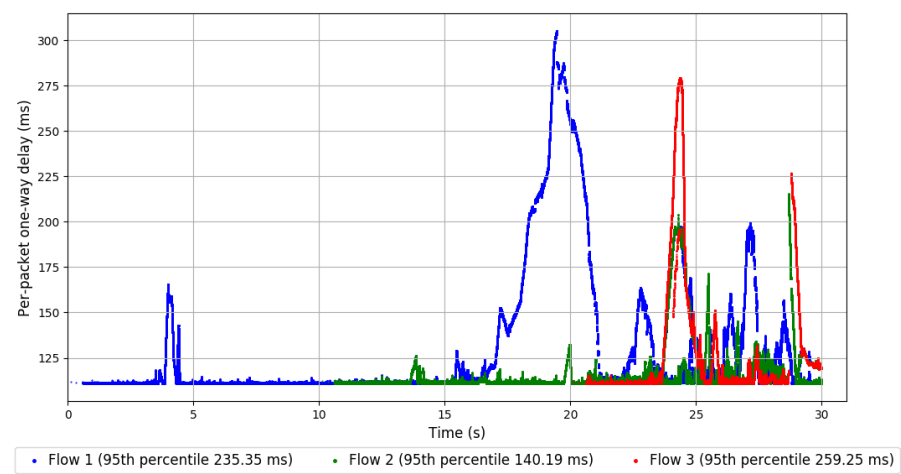
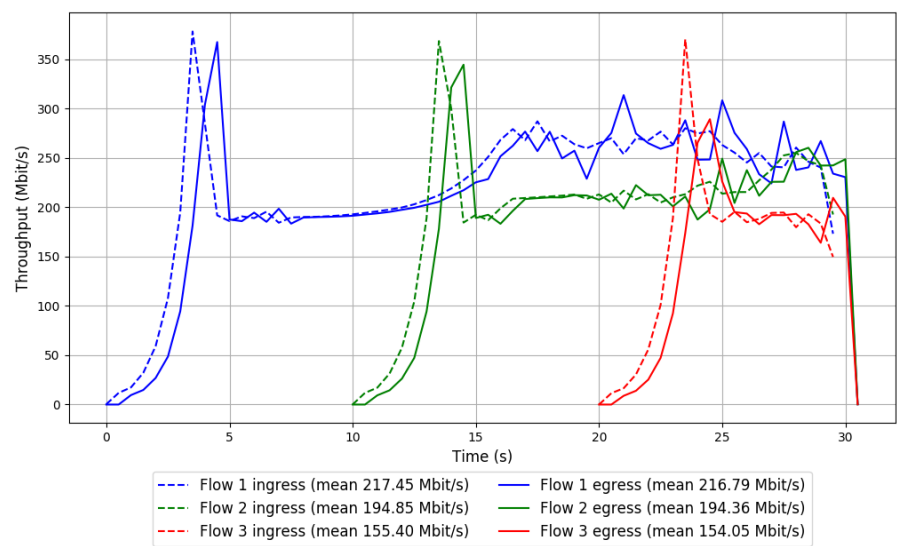
-- Flow 3:

Average throughput: 154.05 Mbit/s

95th percentile per-packet one-way delay: 259.247 ms

Loss rate: 0.86%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 06:25:26

End at: 2018-08-01 06:25:56

Local clock offset: -0.044 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-08-01 11:05:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 416.70 Mbit/s

95th percentile per-packet one-way delay: 225.120 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 267.84 Mbit/s

95th percentile per-packet one-way delay: 228.214 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 181.95 Mbit/s

95th percentile per-packet one-way delay: 185.287 ms

Loss rate: 0.28%

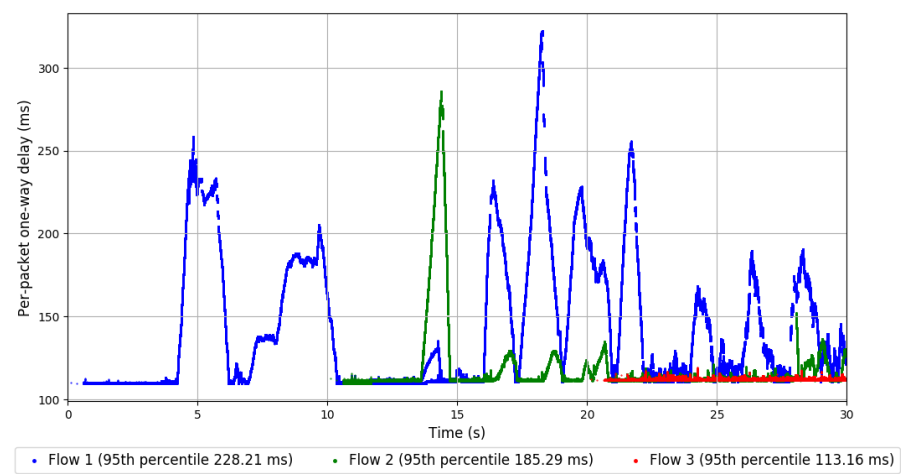
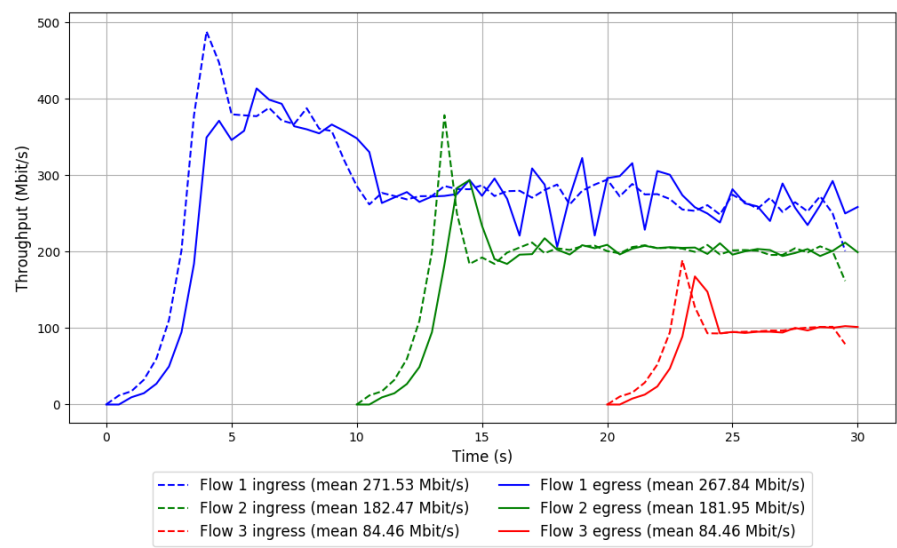
-- Flow 3:

Average throughput: 84.46 Mbit/s

95th percentile per-packet one-way delay: 113.164 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

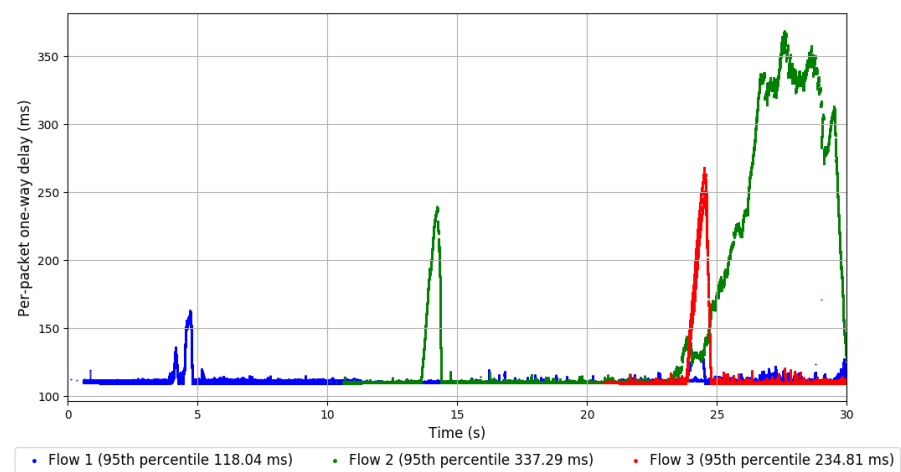
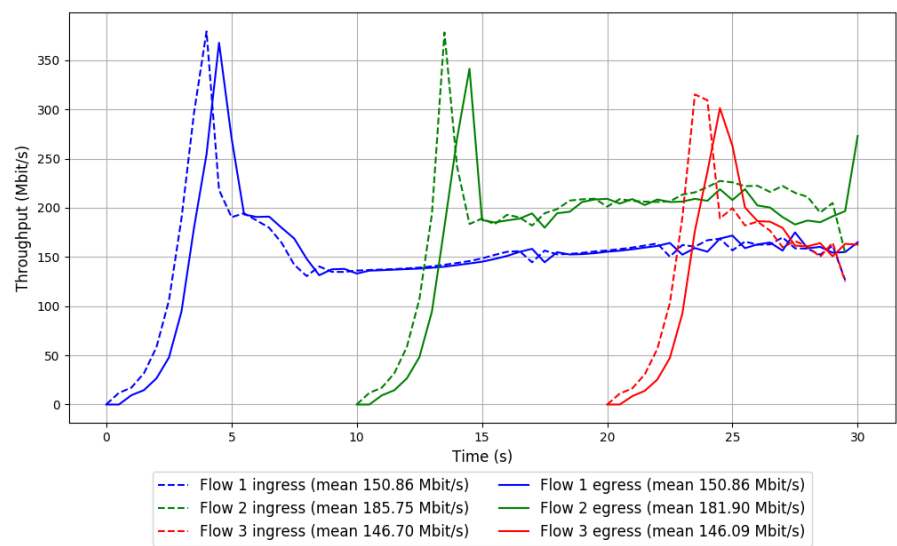


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 06:51:27
End at: 2018-08-01 06:51:57
Local clock offset: -0.185 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-01 11:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.03 Mbit/s
95th percentile per-packet one-way delay: 307.562 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 150.86 Mbit/s
95th percentile per-packet one-way delay: 118.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.90 Mbit/s
95th percentile per-packet one-way delay: 337.290 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 146.09 Mbit/s
95th percentile per-packet one-way delay: 234.814 ms
Loss rate: 0.42%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 07:17:41

End at: 2018-08-01 07:18:11

Local clock offset: -0.159 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-08-01 11:05:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.52 Mbit/s

95th percentile per-packet one-way delay: 309.369 ms

Loss rate: 3.29%

-- Flow 1:

Average throughput: 170.63 Mbit/s

95th percentile per-packet one-way delay: 334.311 ms

Loss rate: 5.56%

-- Flow 2:

Average throughput: 146.43 Mbit/s

95th percentile per-packet one-way delay: 152.093 ms

Loss rate: 0.00%

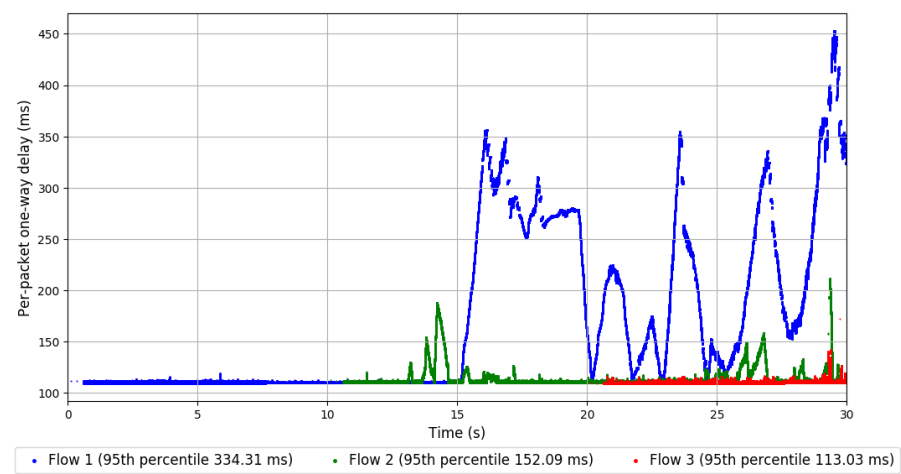
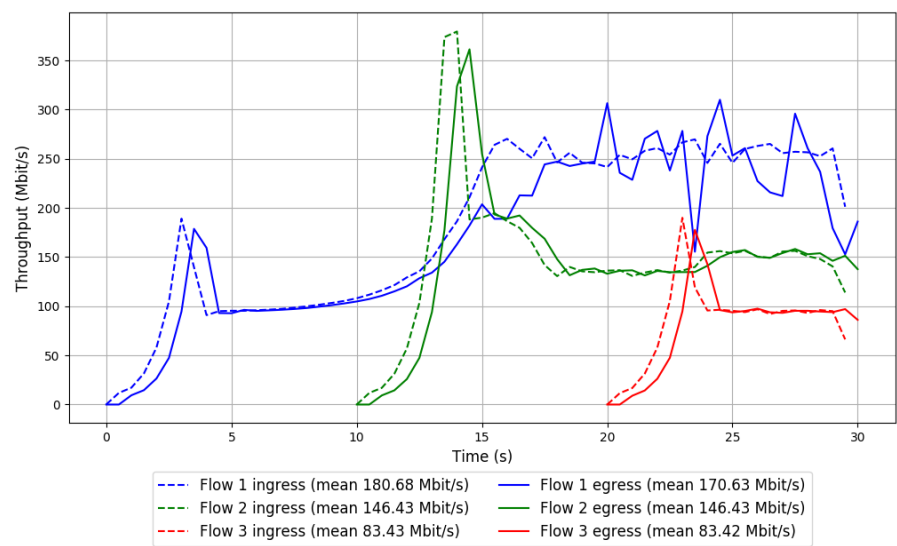
-- Flow 3:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 113.029 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

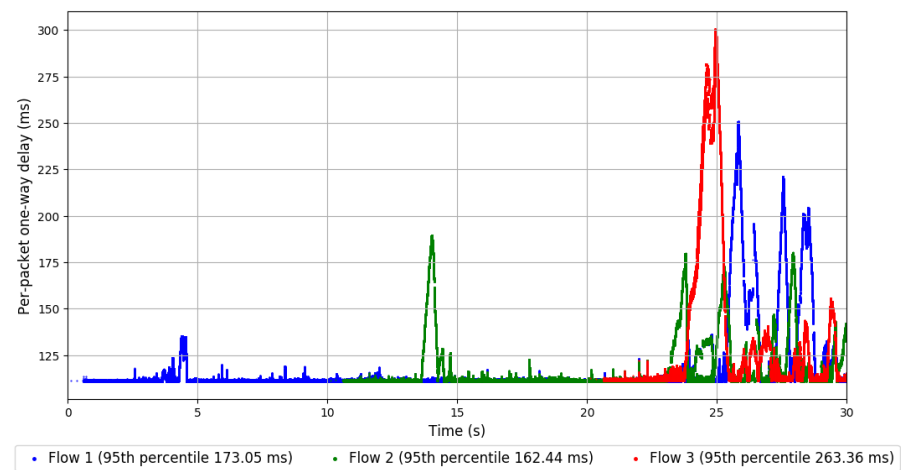
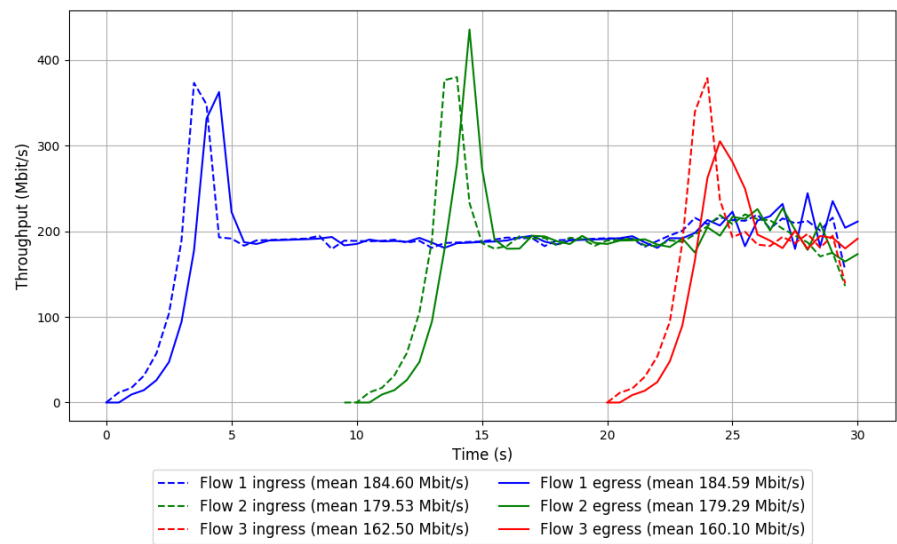


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 07:43:36
End at: 2018-08-01 07:44:06
Local clock offset: -0.225 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-08-01 11:07:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.66 Mbit/s
95th percentile per-packet one-way delay: 181.735 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 184.59 Mbit/s
95th percentile per-packet one-way delay: 173.052 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.29 Mbit/s
95th percentile per-packet one-way delay: 162.443 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 160.10 Mbit/s
95th percentile per-packet one-way delay: 263.364 ms
Loss rate: 1.47%

Run 8: Report of PCC-Expr — Data Link

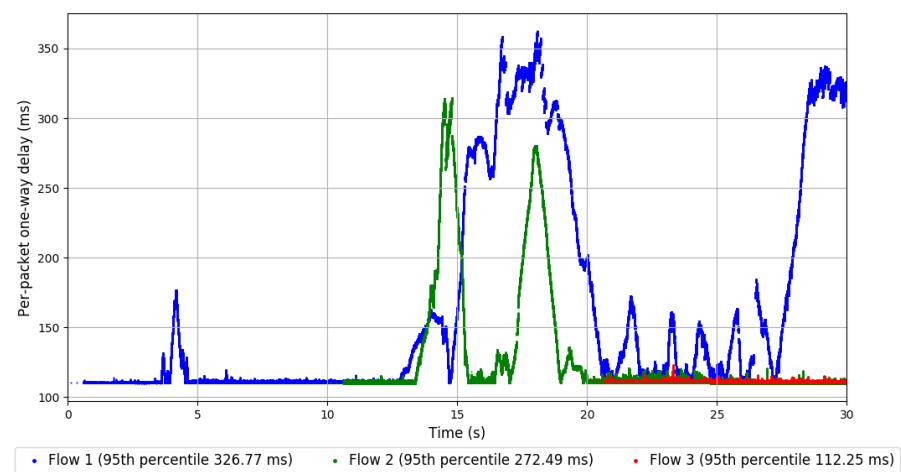
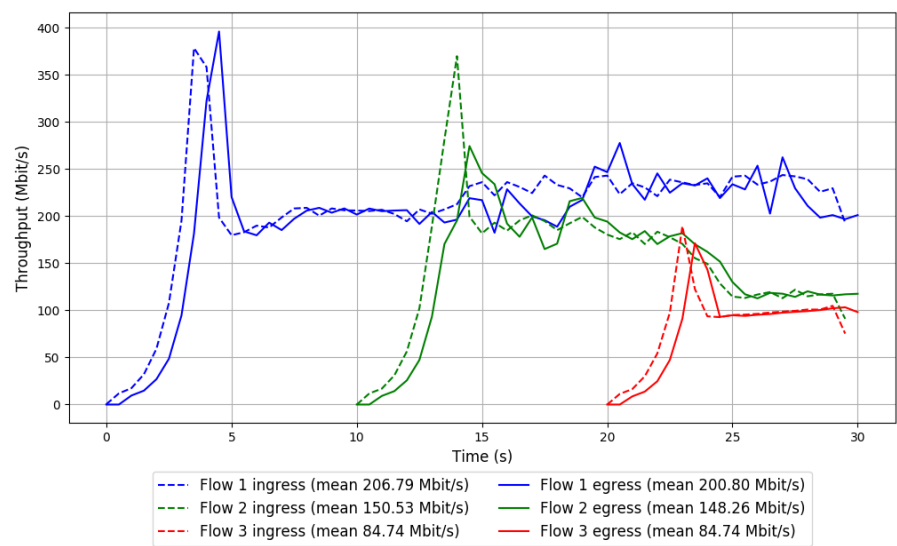


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 08:09:43
End at: 2018-08-01 08:10:13
Local clock offset: -0.091 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-08-01 11:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.36 Mbit/s
95th percentile per-packet one-way delay: 317.693 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 200.80 Mbit/s
95th percentile per-packet one-way delay: 326.773 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 148.26 Mbit/s
95th percentile per-packet one-way delay: 272.492 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 112.255 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

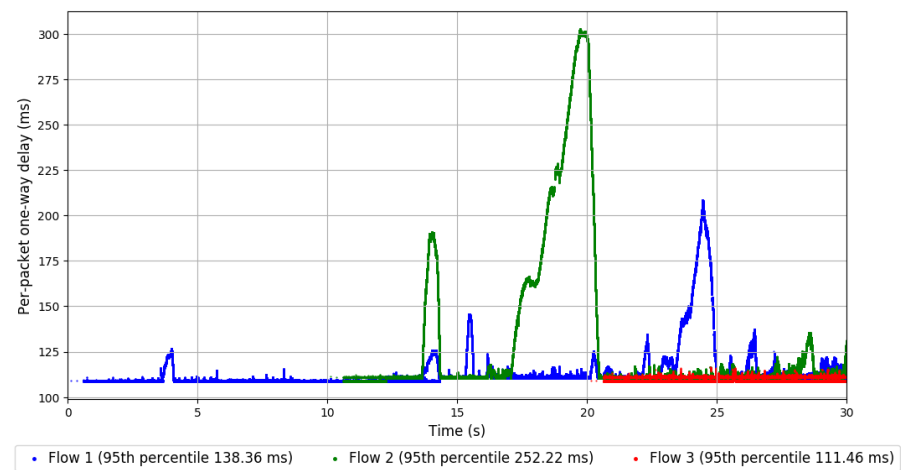
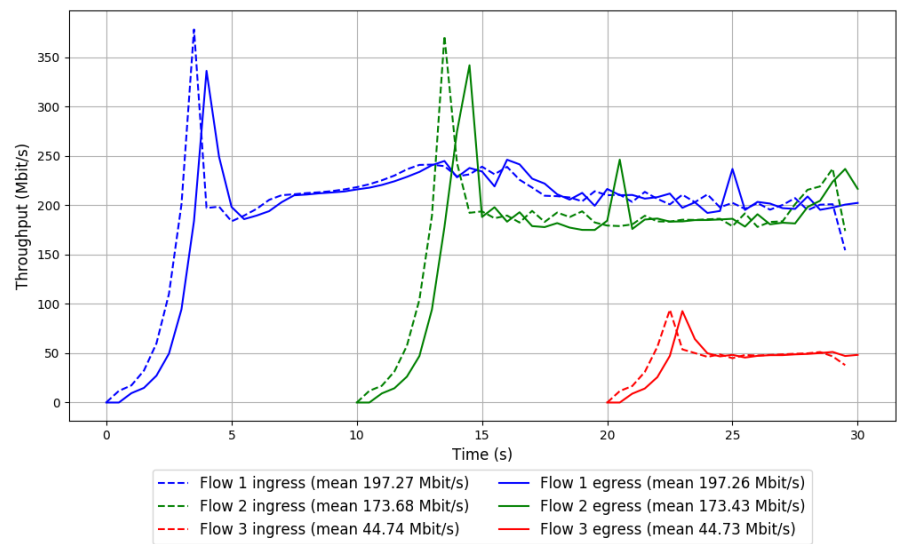


Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 08:35:56
End at: 2018-08-01 08:36:26
Local clock offset: 0.245 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.33 Mbit/s
95th percentile per-packet one-way delay: 187.797 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 197.26 Mbit/s
95th percentile per-packet one-way delay: 138.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.43 Mbit/s
95th percentile per-packet one-way delay: 252.219 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 44.73 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 04:48:15

End at: 2018-08-01 04:48:45

Local clock offset: 0.134 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.83 Mbit/s

95th percentile per-packet one-way delay: 111.497 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 111.259 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.06 Mbit/s

95th percentile per-packet one-way delay: 111.332 ms

Loss rate: 0.00%

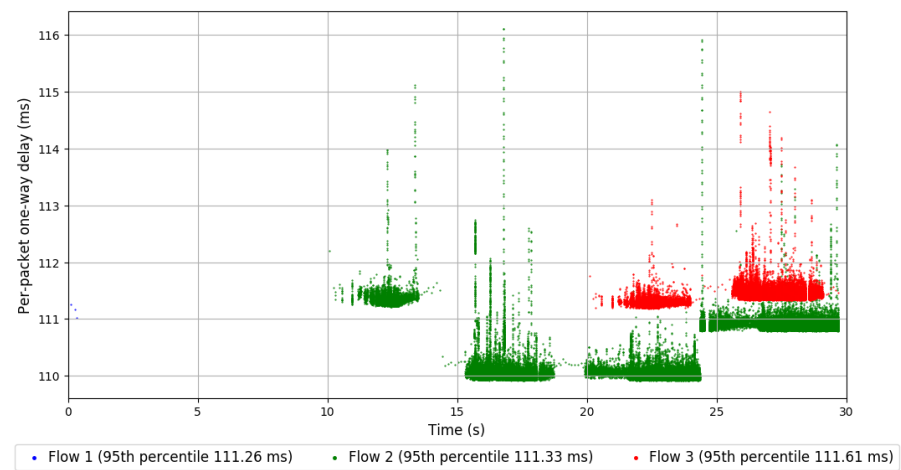
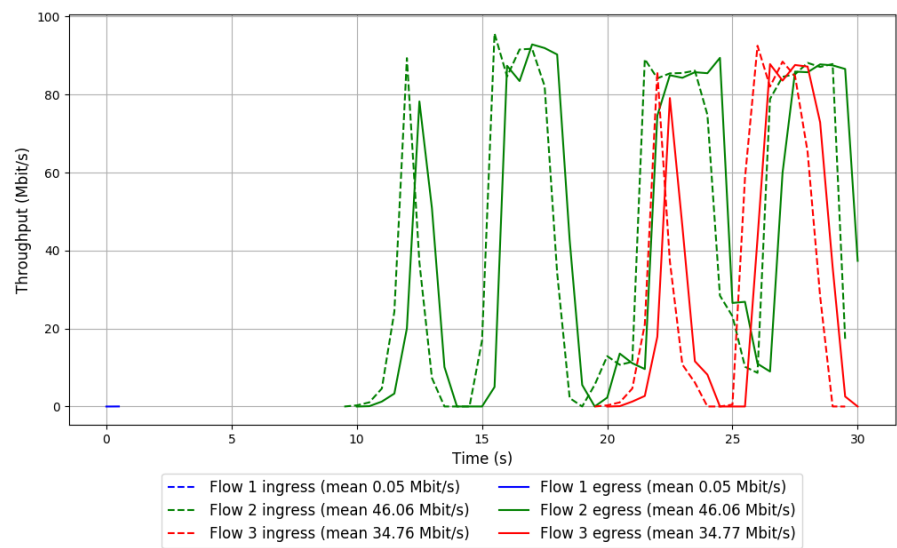
-- Flow 3:

Average throughput: 34.77 Mbit/s

95th percentile per-packet one-way delay: 111.607 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

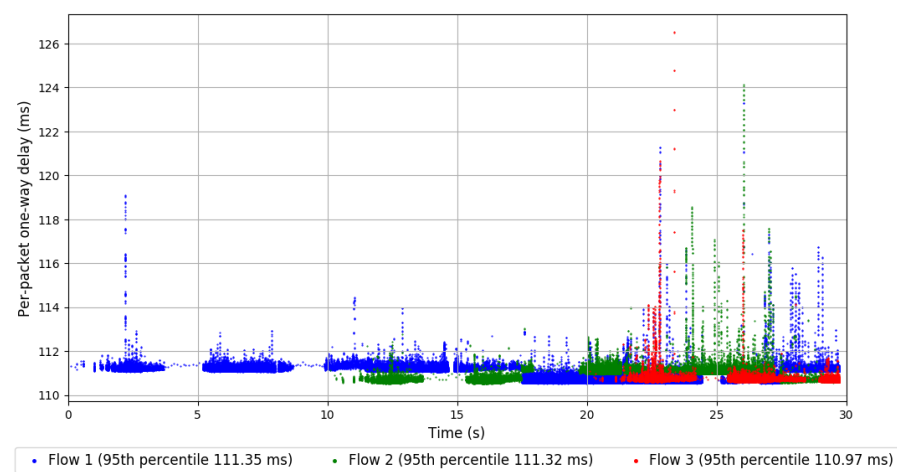
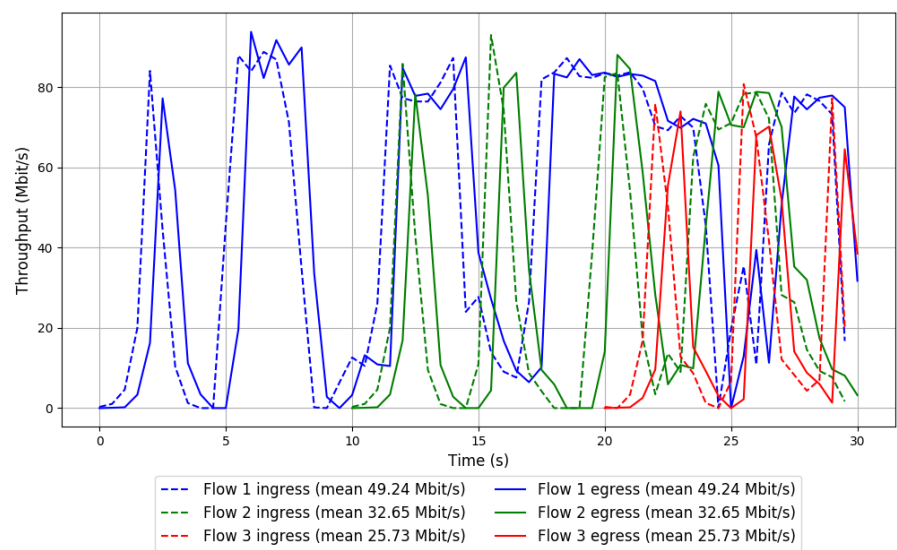


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 05:15:00
End at: 2018-08-01 05:15:30
Local clock offset: 0.156 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 111.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 111.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 111.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.73 Mbit/s
95th percentile per-packet one-way delay: 110.966 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 05:41:31

End at: 2018-08-01 05:42:01

Local clock offset: 0.087 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 111.281 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.60 Mbit/s

95th percentile per-packet one-way delay: 111.272 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.92 Mbit/s

95th percentile per-packet one-way delay: 111.311 ms

Loss rate: 0.00%

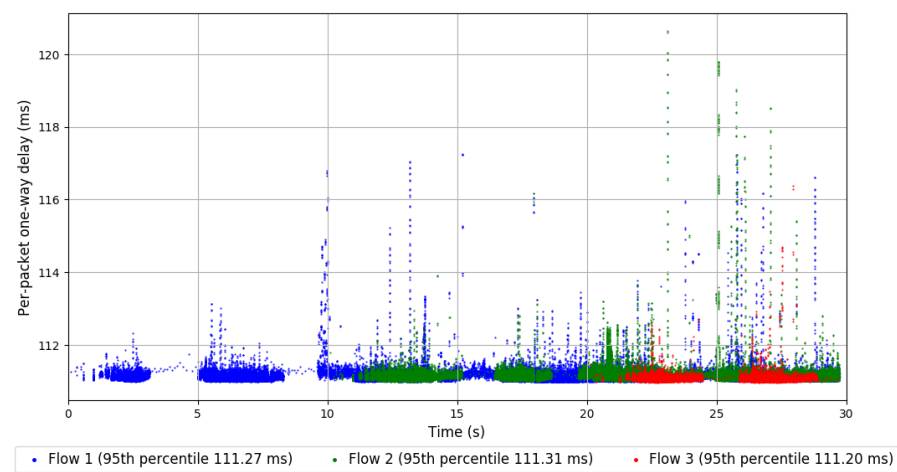
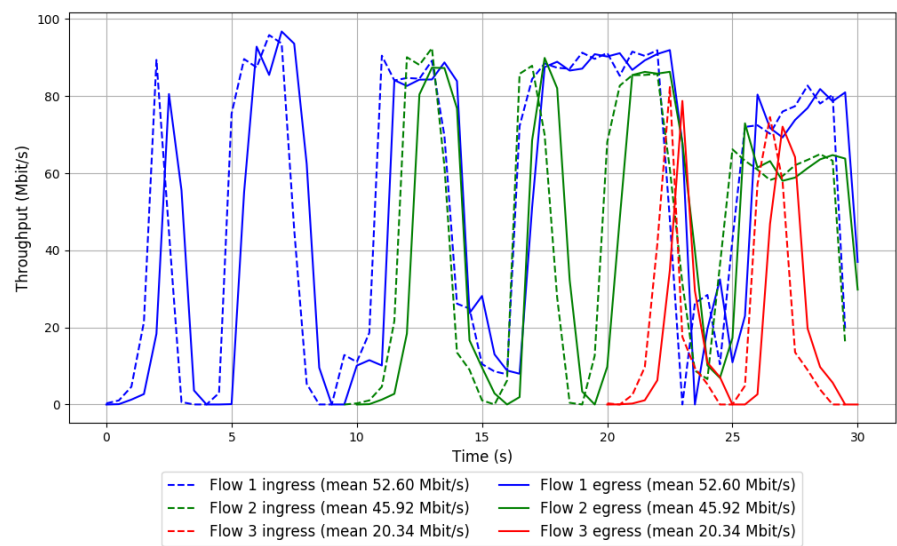
-- Flow 3:

Average throughput: 20.34 Mbit/s

95th percentile per-packet one-way delay: 111.198 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 06:08:12

End at: 2018-08-01 06:08:42

Local clock offset: -0.165 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.05 Mbit/s

95th percentile per-packet one-way delay: 111.866 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.36 Mbit/s

95th percentile per-packet one-way delay: 111.910 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.02 Mbit/s

95th percentile per-packet one-way delay: 111.518 ms

Loss rate: 0.00%

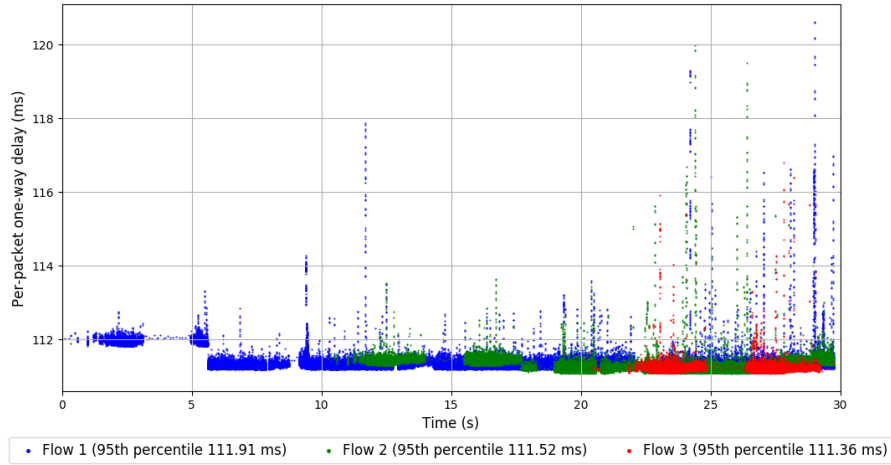
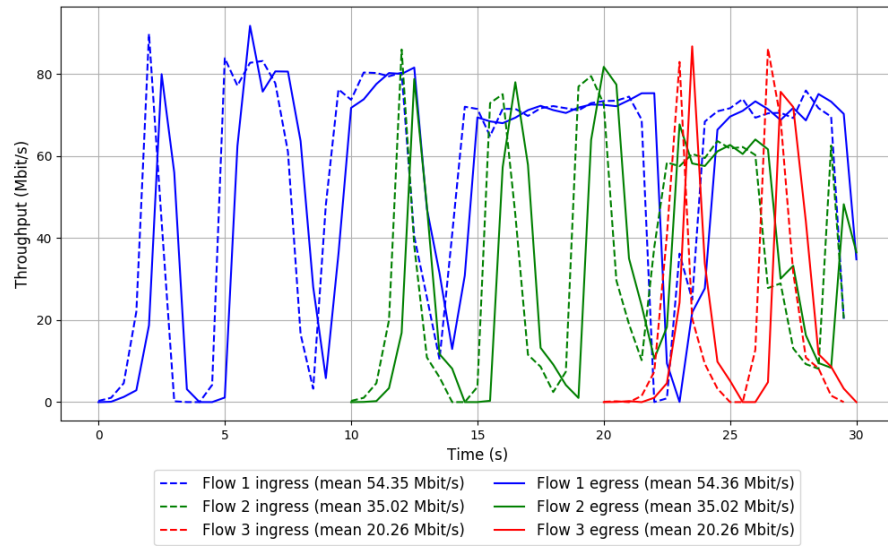
-- Flow 3:

Average throughput: 20.26 Mbit/s

95th percentile per-packet one-way delay: 111.359 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

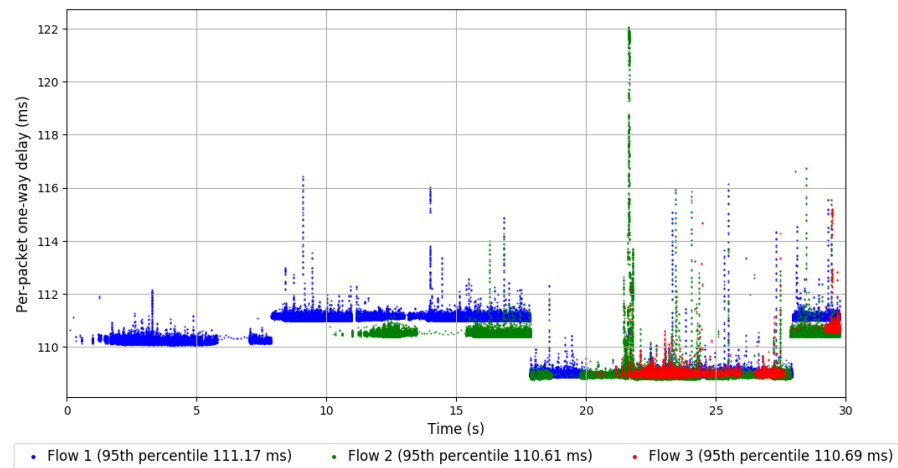
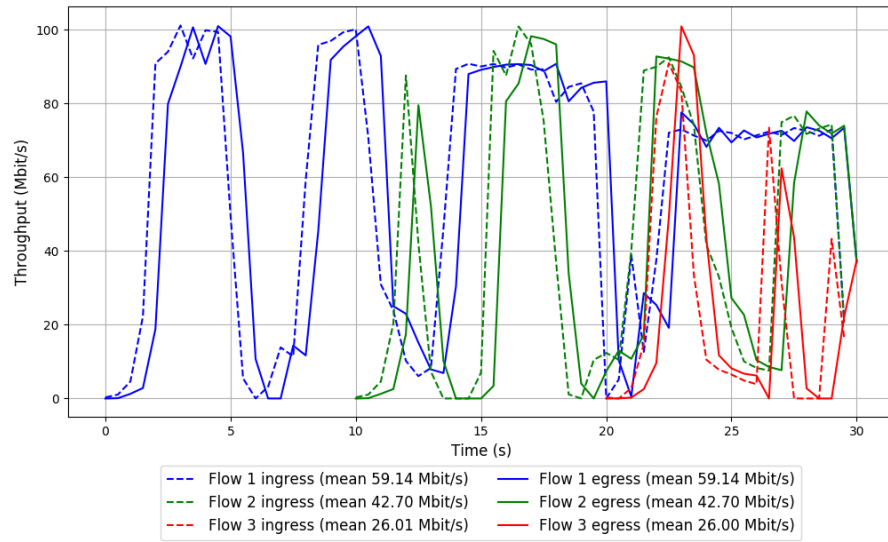


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 06:34:30
End at: 2018-08-01 06:35:00
Local clock offset: 0.328 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 111.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 111.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 110.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 110.693 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

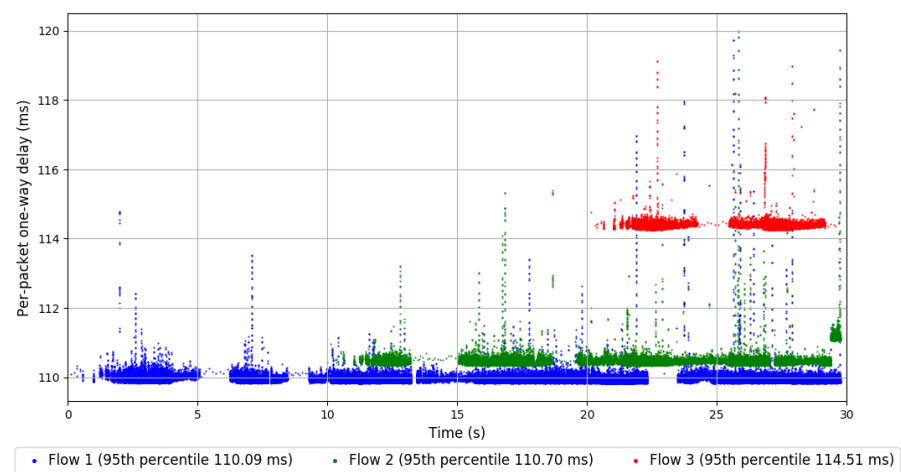
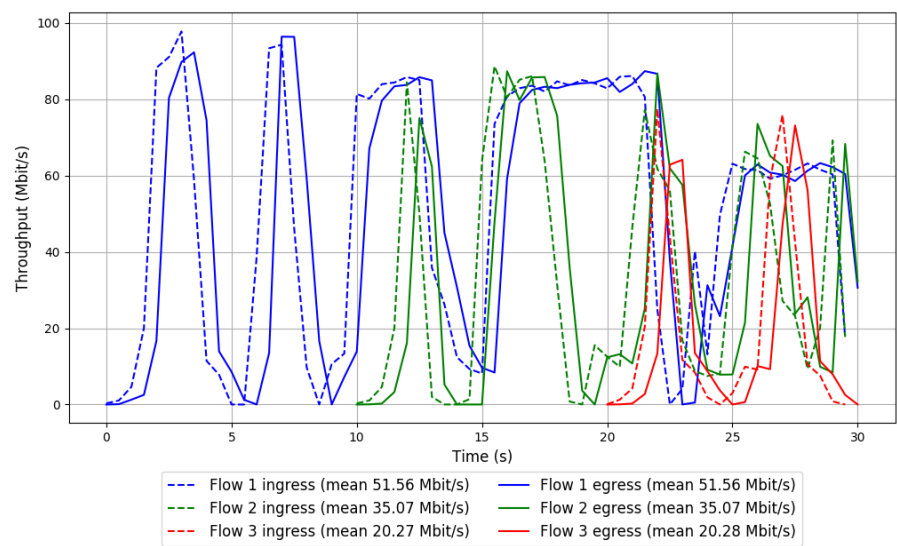


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 07:00:39
End at: 2018-08-01 07:01:09
Local clock offset: -0.134 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 114.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.56 Mbit/s
95th percentile per-packet one-way delay: 110.090 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 110.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 114.507 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 07:26:40

End at: 2018-08-01 07:27:10

Local clock offset: -1.419 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.40 Mbit/s

95th percentile per-packet one-way delay: 112.668 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.65 Mbit/s

95th percentile per-packet one-way delay: 112.711 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.70 Mbit/s

95th percentile per-packet one-way delay: 111.217 ms

Loss rate: 0.00%

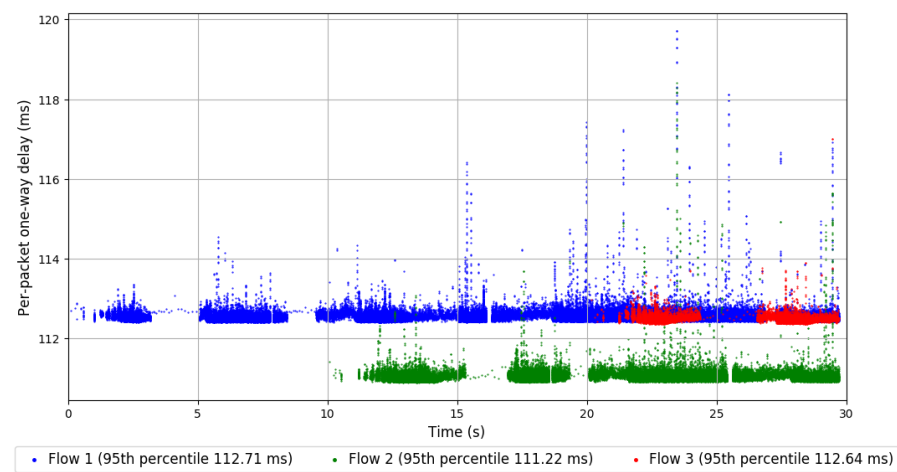
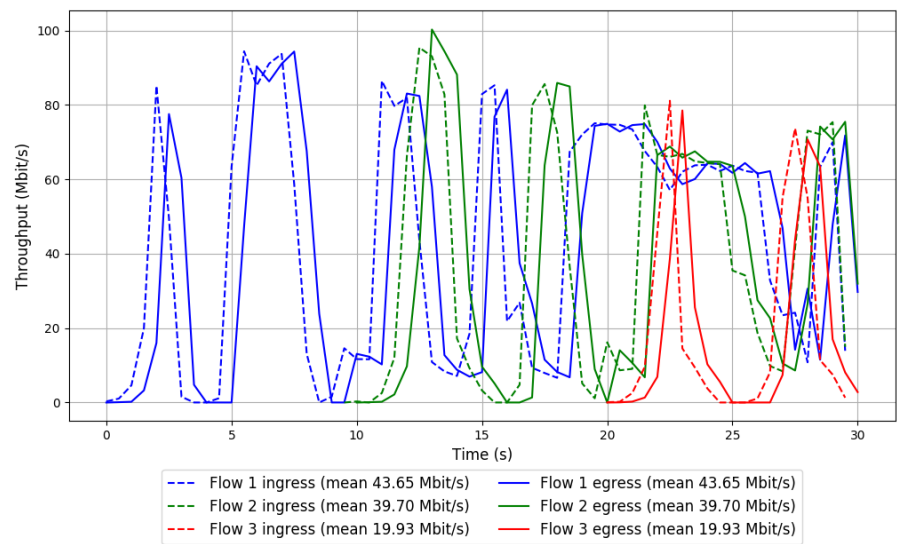
-- Flow 3:

Average throughput: 19.93 Mbit/s

95th percentile per-packet one-way delay: 112.638 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 07:52:48

End at: 2018-08-01 07:53:18

Local clock offset: -0.043 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.73 Mbit/s

95th percentile per-packet one-way delay: 111.632 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.12 Mbit/s

95th percentile per-packet one-way delay: 111.669 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.32 Mbit/s

95th percentile per-packet one-way delay: 111.388 ms

Loss rate: 0.00%

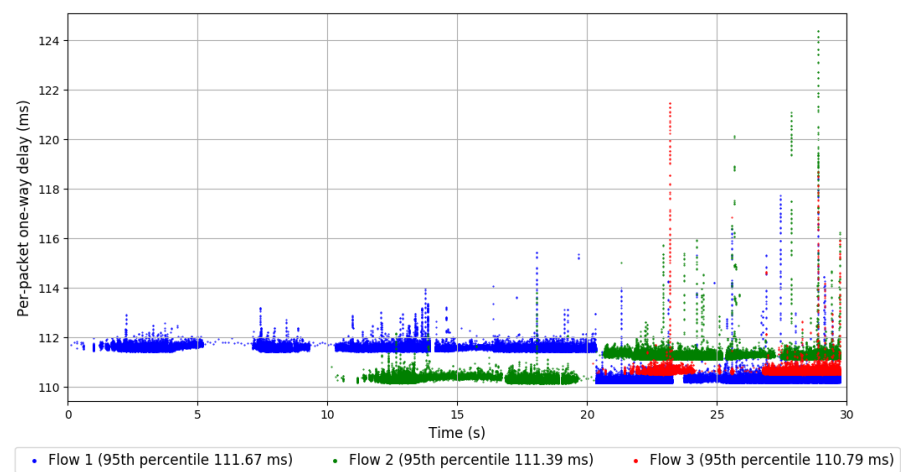
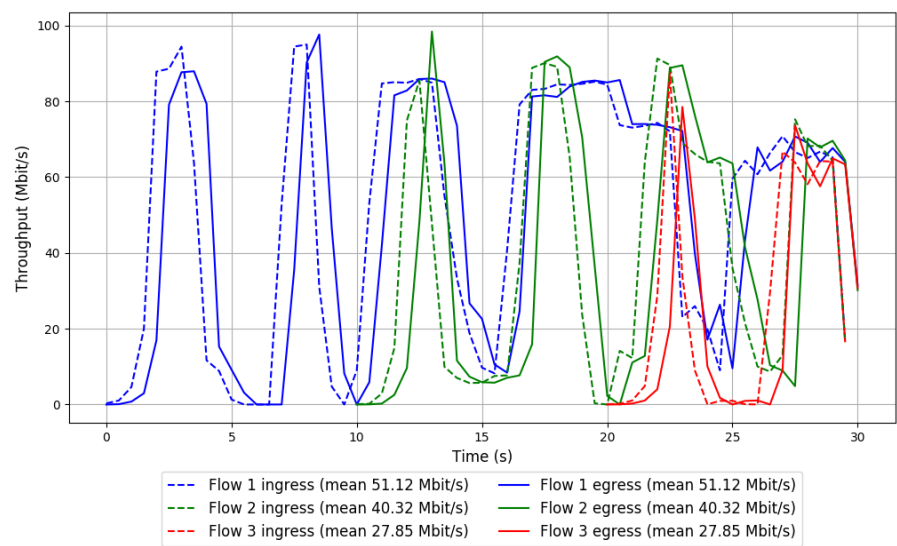
-- Flow 3:

Average throughput: 27.85 Mbit/s

95th percentile per-packet one-way delay: 110.788 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

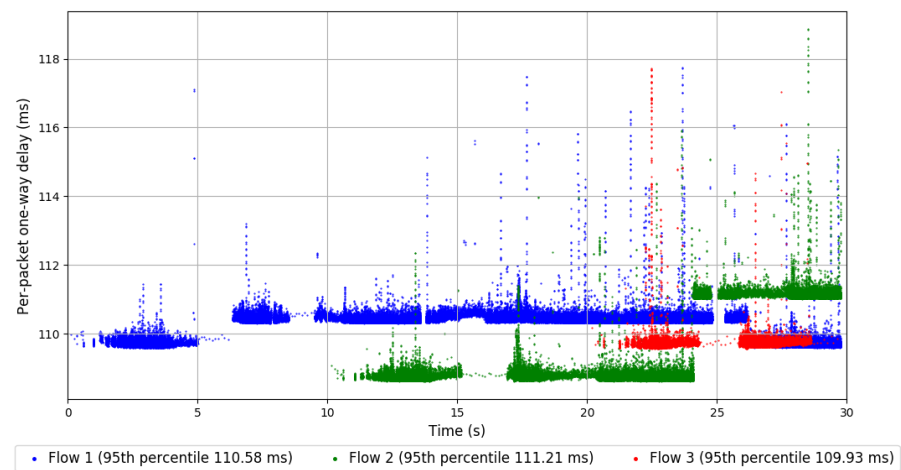
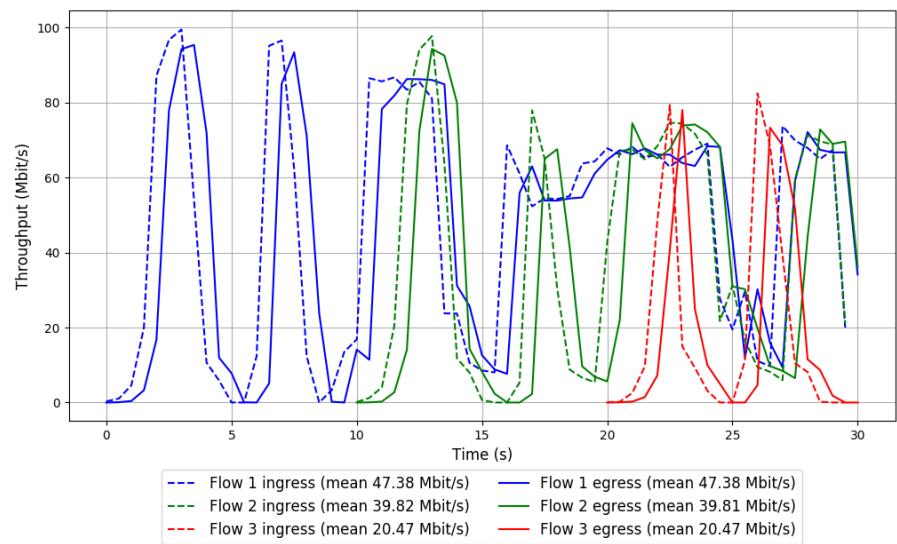


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 08:19:04
End at: 2018-08-01 08:19:34
Local clock offset: 0.203 ms
Remote clock offset: -0.512 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 111.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 110.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 111.210 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 109.928 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

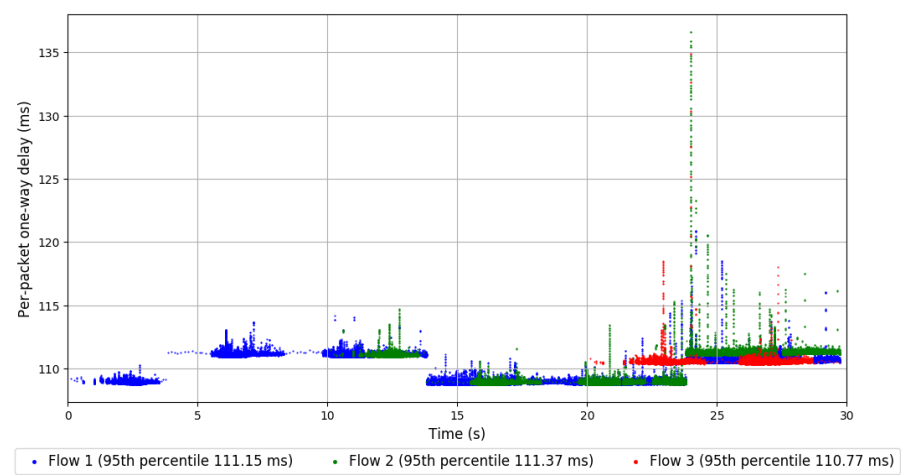
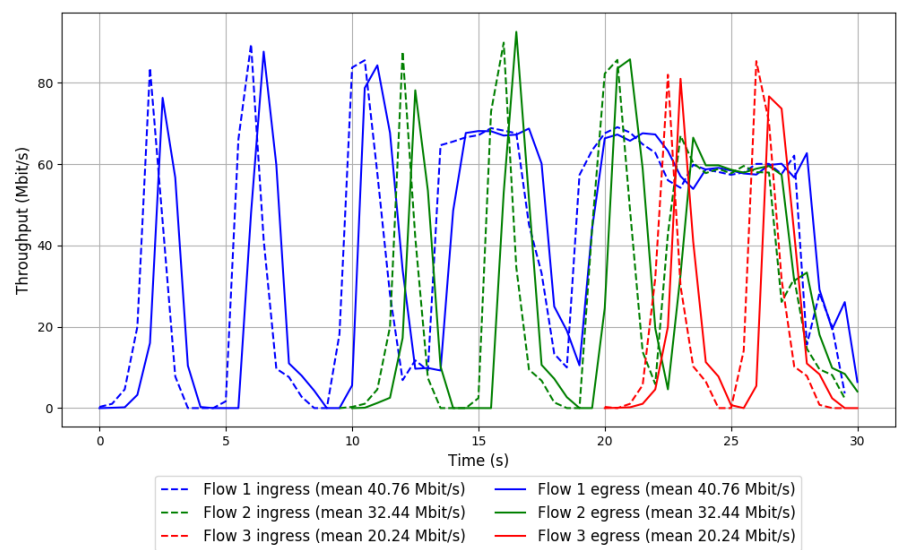


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 08:44:54
End at: 2018-08-01 08:45:24
Local clock offset: 0.255 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.80 Mbit/s
95th percentile per-packet one-way delay: 111.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 111.146 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 111.371 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 110.765 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

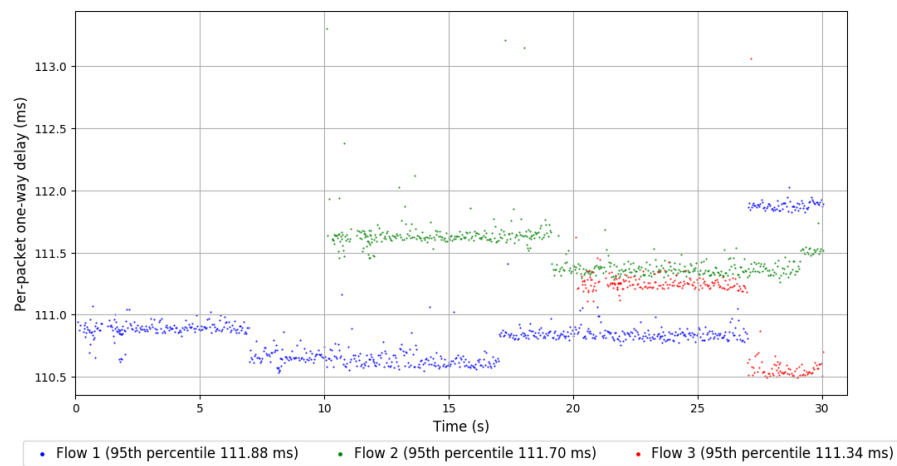
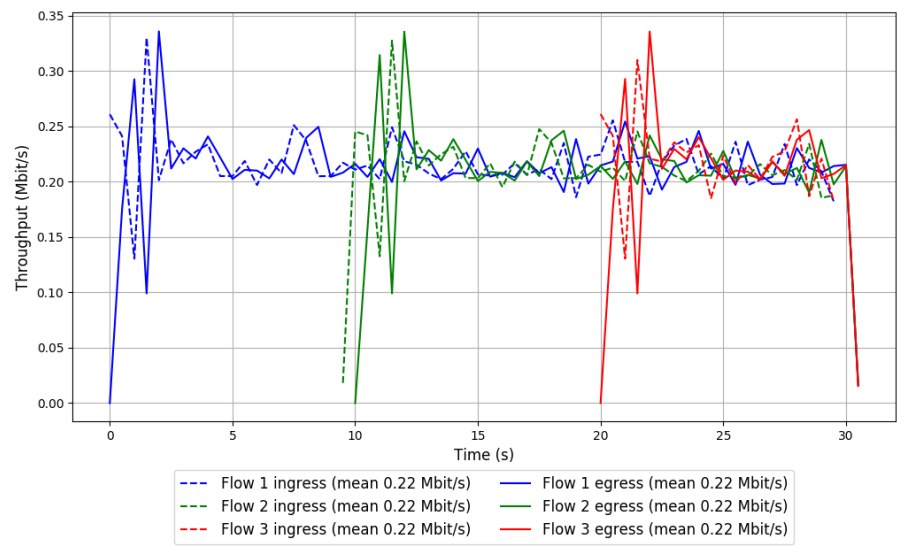


```
Run 1: Statistics of SReAM

Start at: 2018-08-01 04:42:31
End at: 2018-08-01 04:43:01
Local clock offset: 0.057 ms
Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2018-08-01 11:09:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.341 ms
Loss rate: 0.00%
```


Run 1: Report of SCSReAM — Data Link

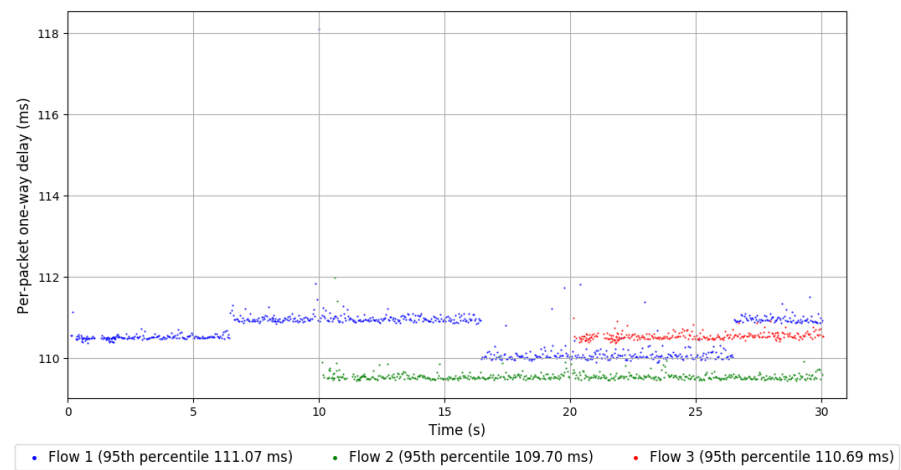
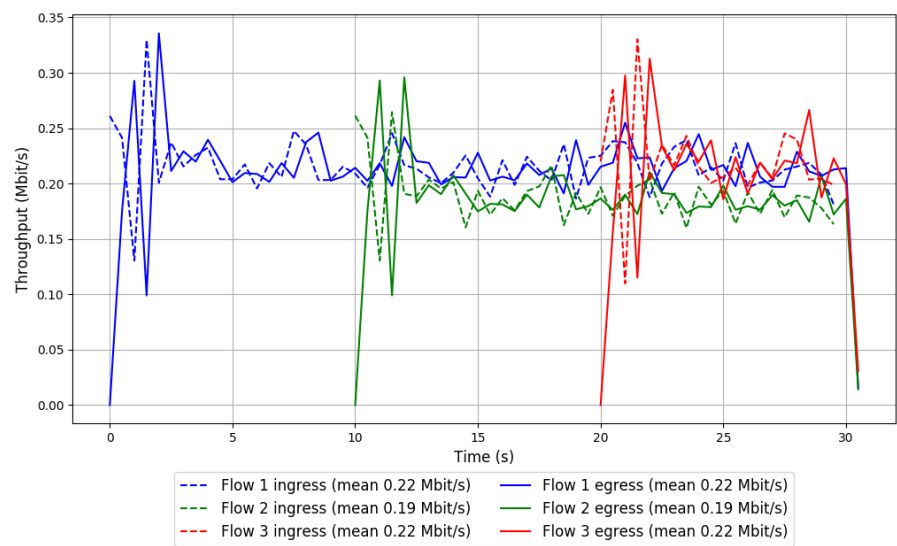


Run 2: Statistics of SCReAM

Start at: 2018-08-01 05:09:12
End at: 2018-08-01 05:09:42
Local clock offset: 0.1 ms
Remote clock offset: -0.566 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 109.698 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.694 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

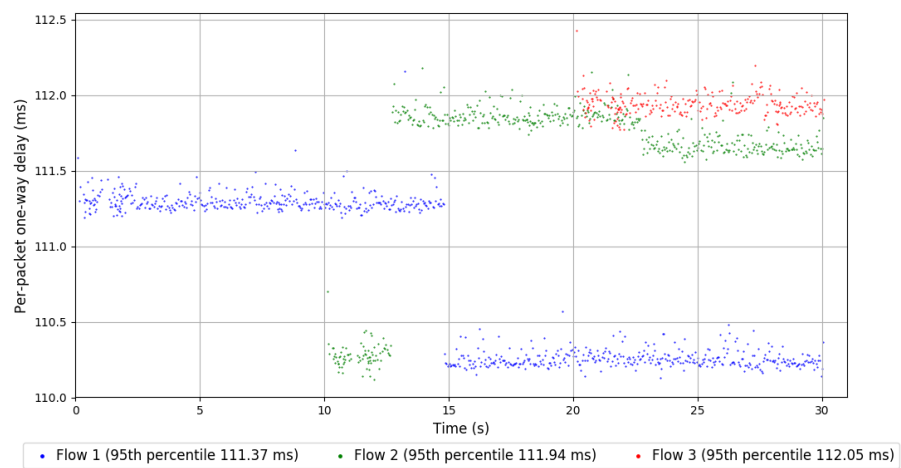
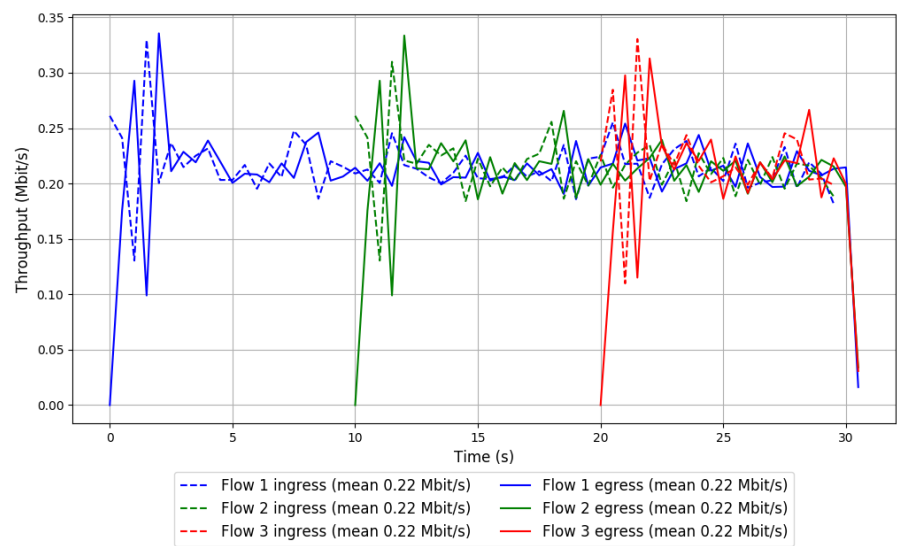


Run 3: Statistics of SReAM

Start at: 2018-08-01 05:35:35
End at: 2018-08-01 05:36:05
Local clock offset: 0.069 ms
Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.050 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-08-01 06:02:24

End at: 2018-08-01 06:02:54

Local clock offset: -0.316 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.251 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.783 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.309 ms

Loss rate: 0.00%

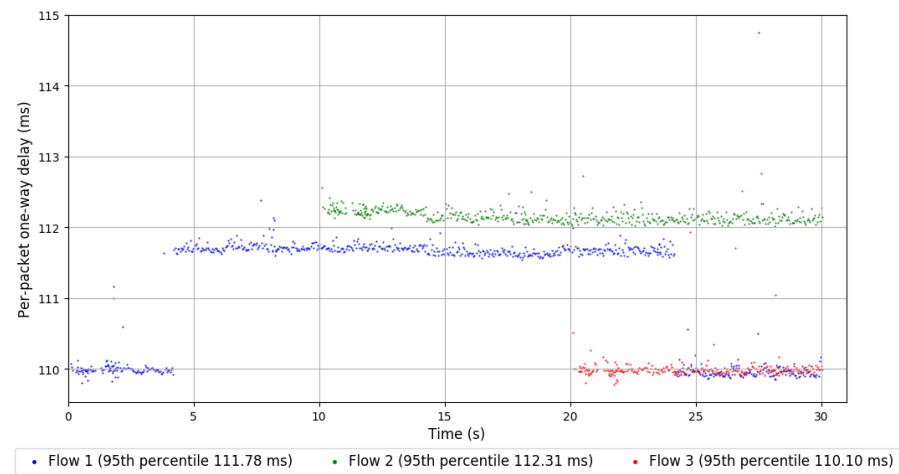
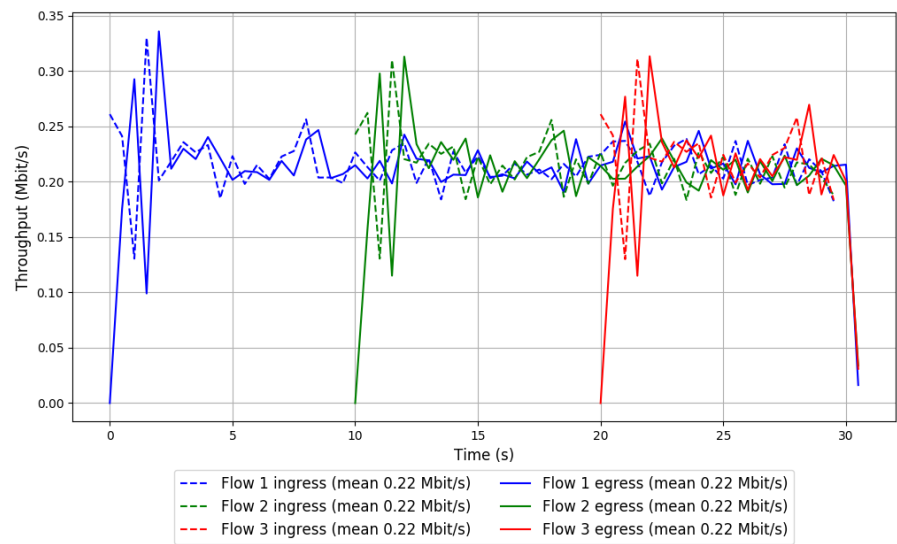
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.098 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

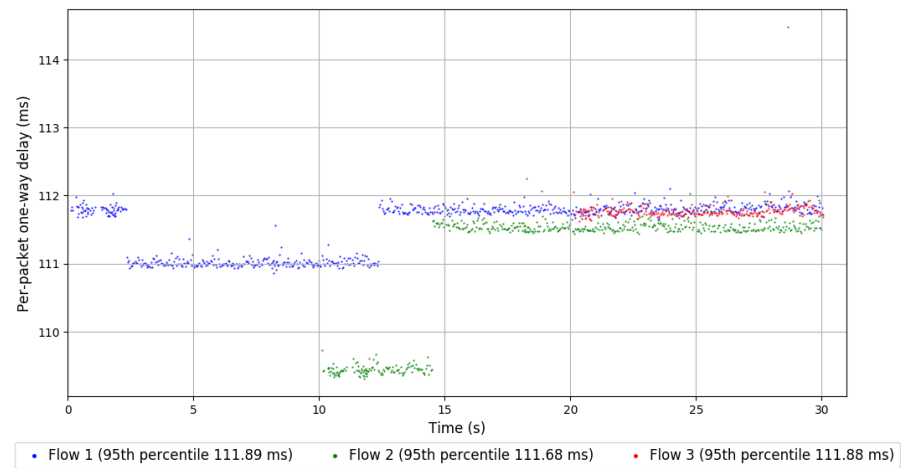
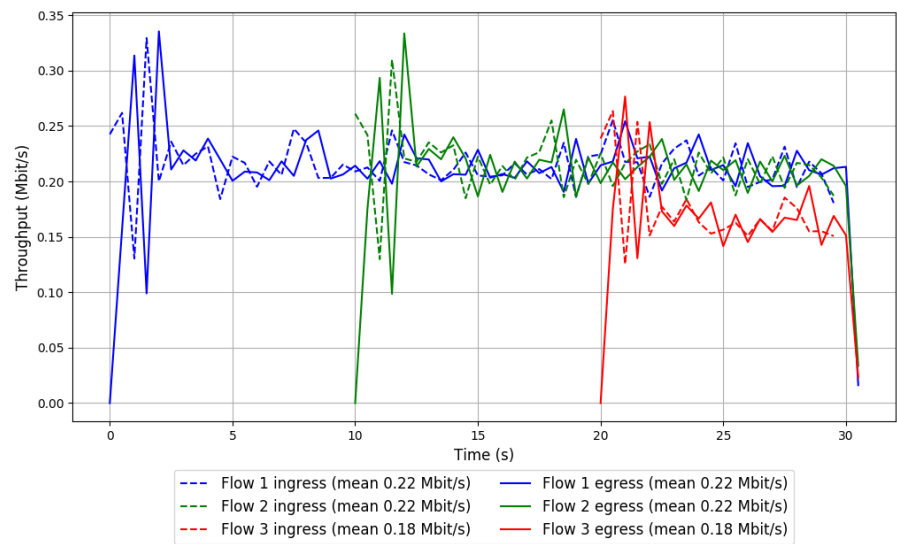


Run 5: Statistics of SReAM

Start at: 2018-08-01 06:29:06
End at: 2018-08-01 06:29:36
Local clock offset: -0.11 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.679 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-01 06:54:50

End at: 2018-08-01 06:55:20

Local clock offset: 0.052 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 110.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.981 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.660 ms

Loss rate: 0.00%

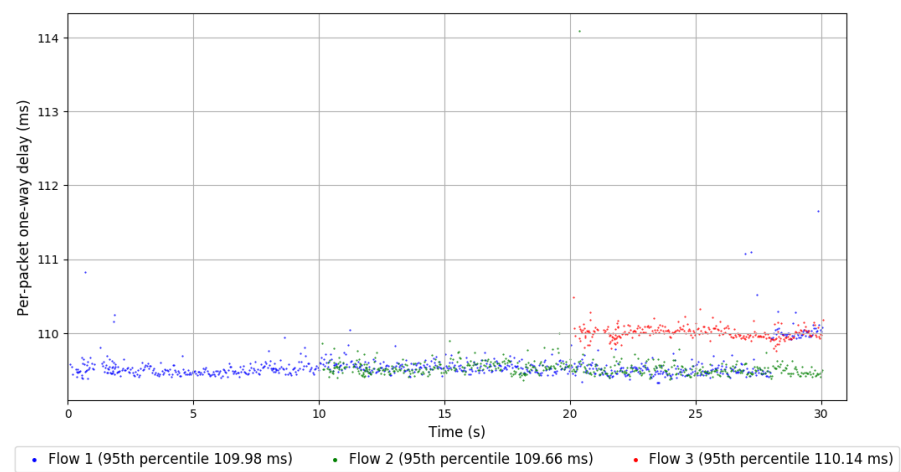
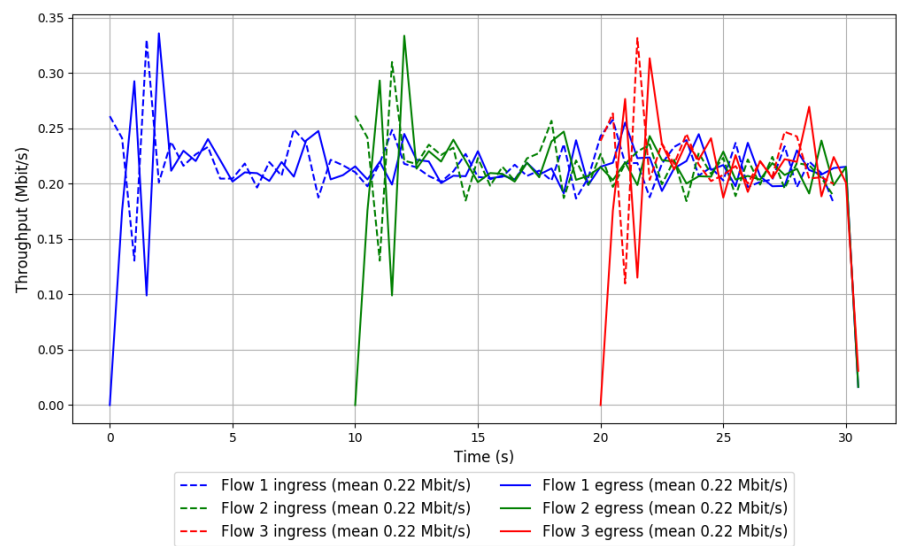
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.142 ms

Loss rate: 0.00%

Run 6: Report of SCRaM — Data Link

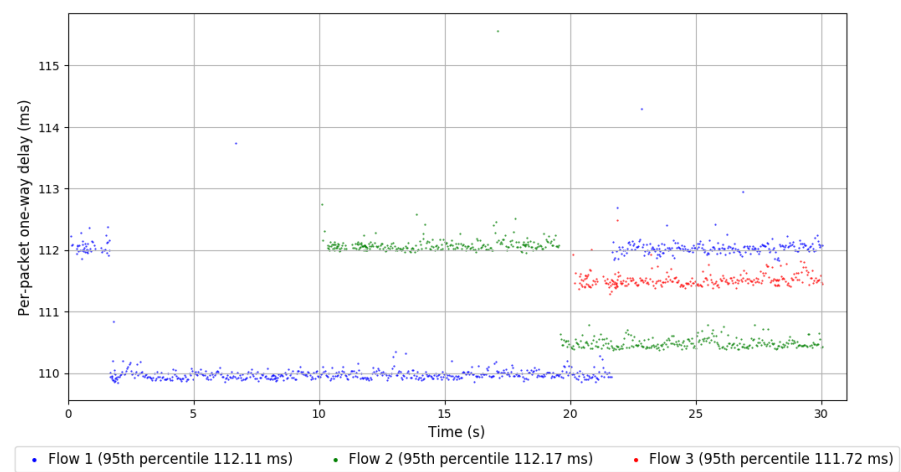
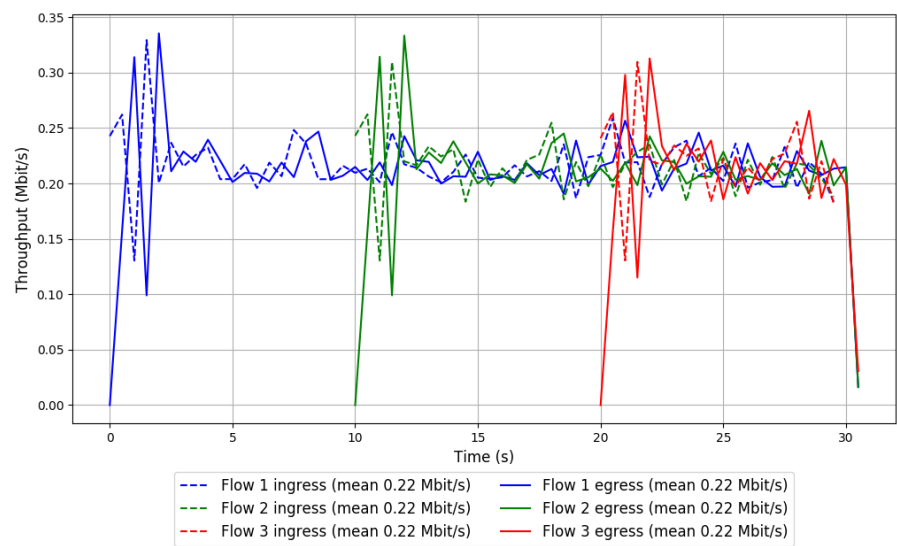


Run 7: Statistics of SReAM

Start at: 2018-08-01 07:20:59
End at: 2018-08-01 07:21:29
Local clock offset: -0.09 ms
Remote clock offset: 0.437 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.128 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.110 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.719 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

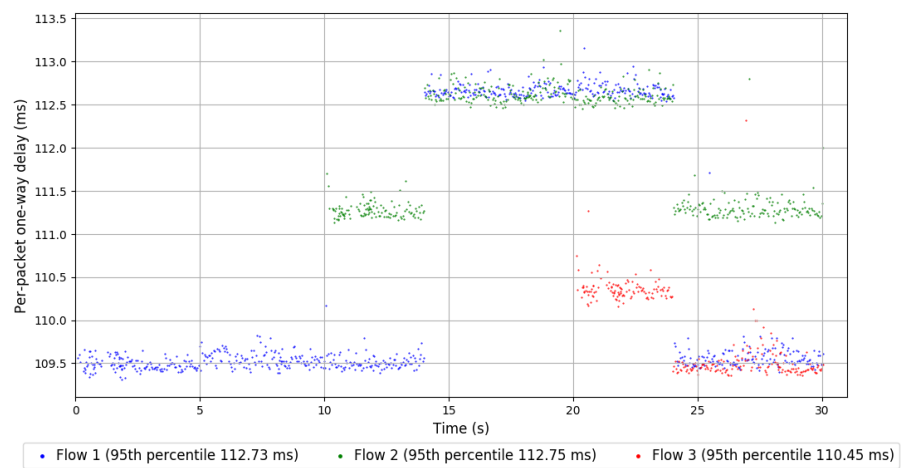
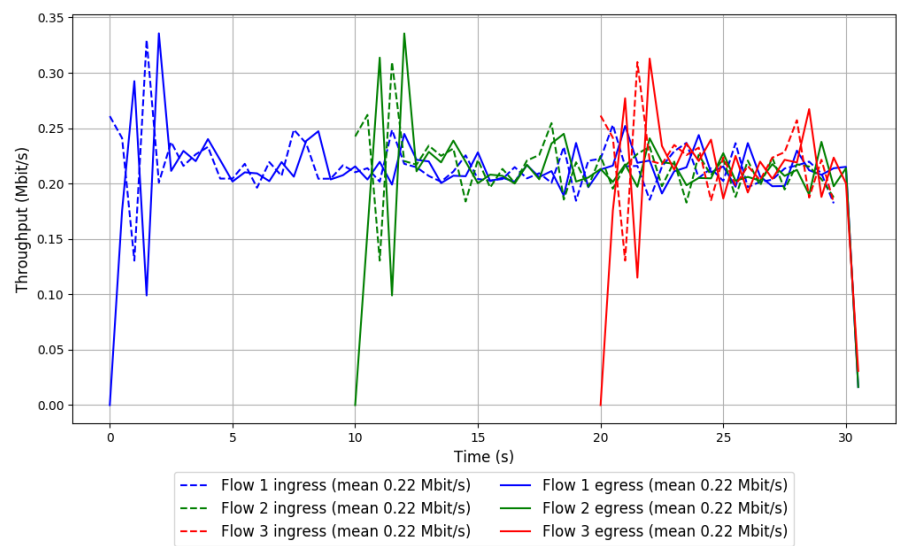


Run 8: Statistics of SReAM

Start at: 2018-08-01 07:47:04
End at: 2018-08-01 07:47:34
Local clock offset: -0.151 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.733 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.754 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.449 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

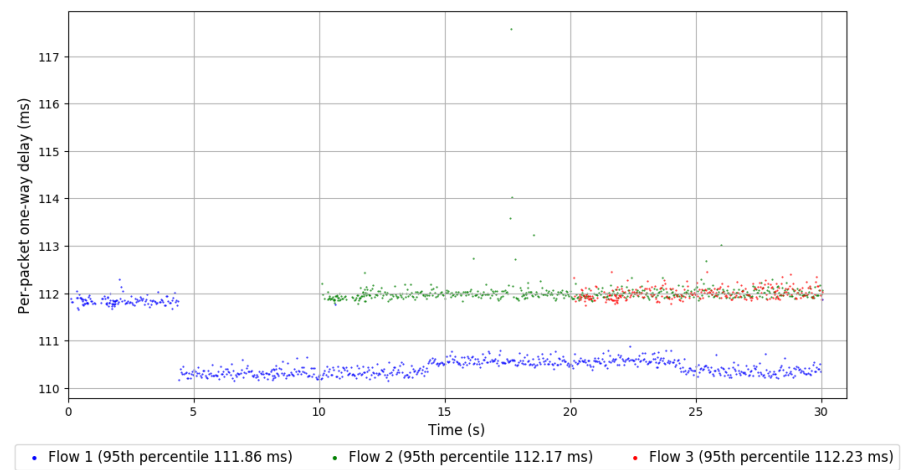
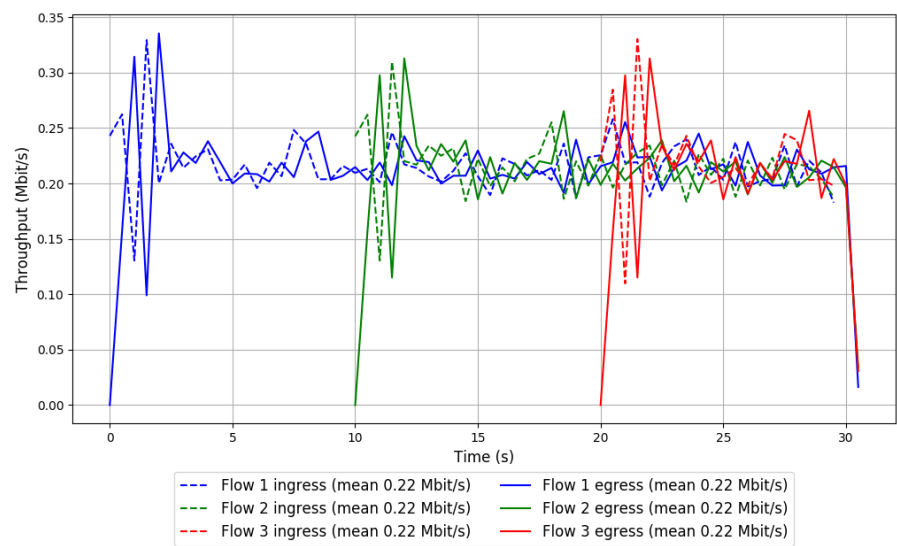


Run 9: Statistics of SReAM

Start at: 2018-08-01 08:13:14
End at: 2018-08-01 08:13:44
Local clock offset: -0.057 ms
Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.863 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.228 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

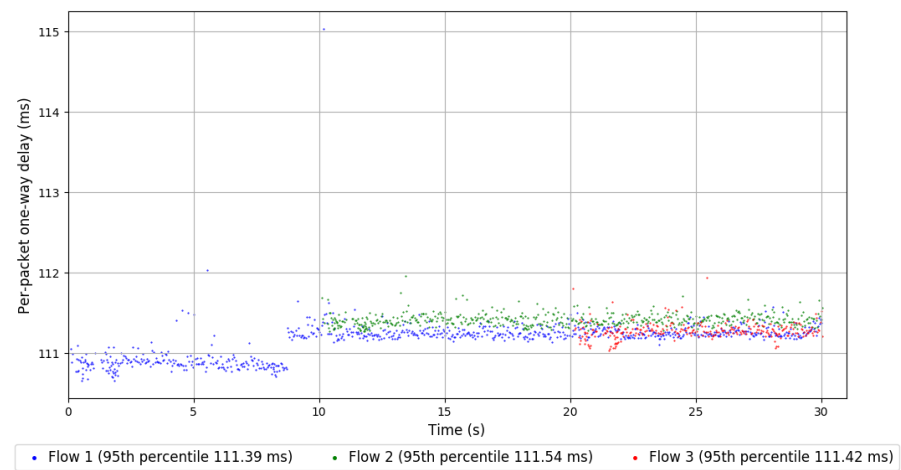
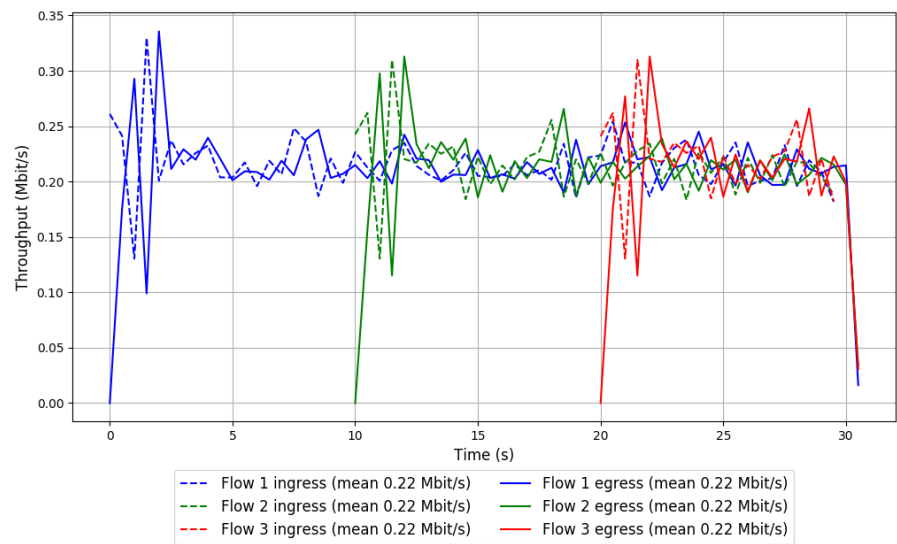


Run 10: Statistics of SCReAM

Start at: 2018-08-01 08:39:22
End at: 2018-08-01 08:39:52
Local clock offset: 0.051 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.422 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

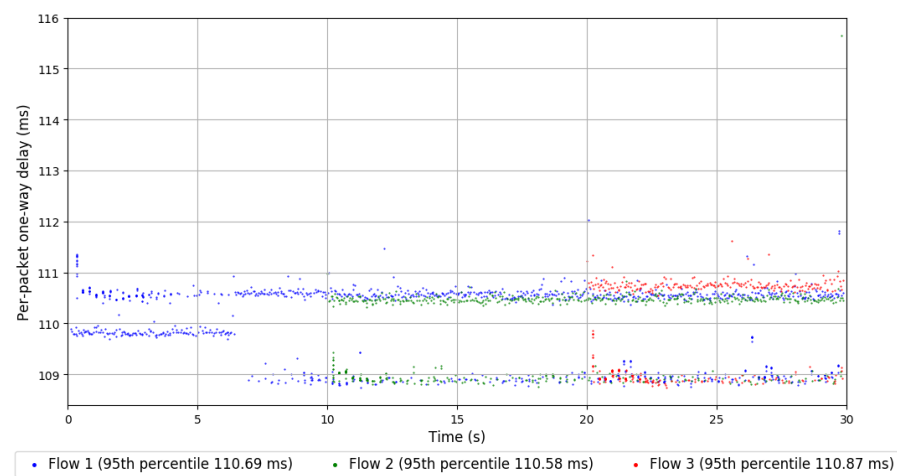
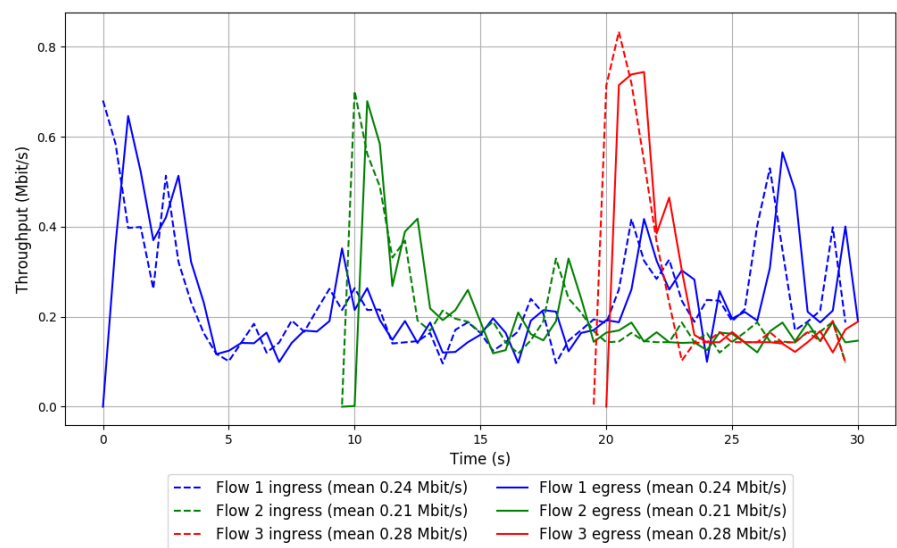


Run 1: Statistics of Sprout

Start at: 2018-08-01 04:49:31
End at: 2018-08-01 04:50:01
Local clock offset: 0.168 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 110.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 110.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.583 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 110.869 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

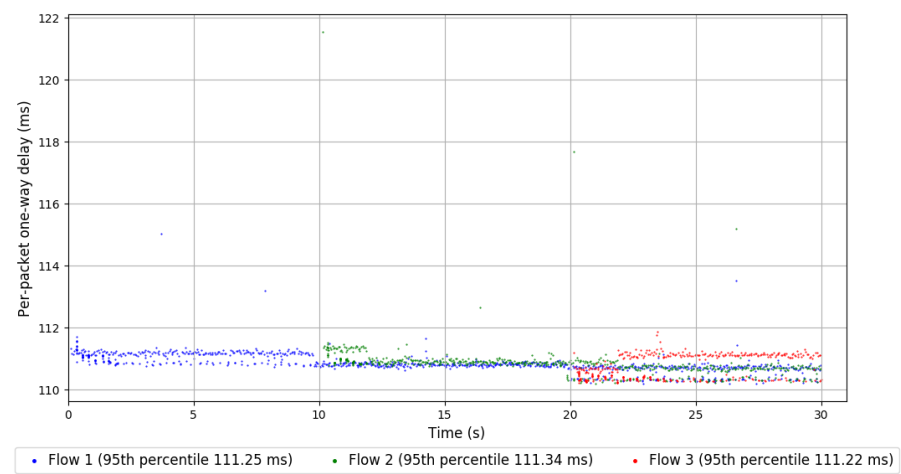
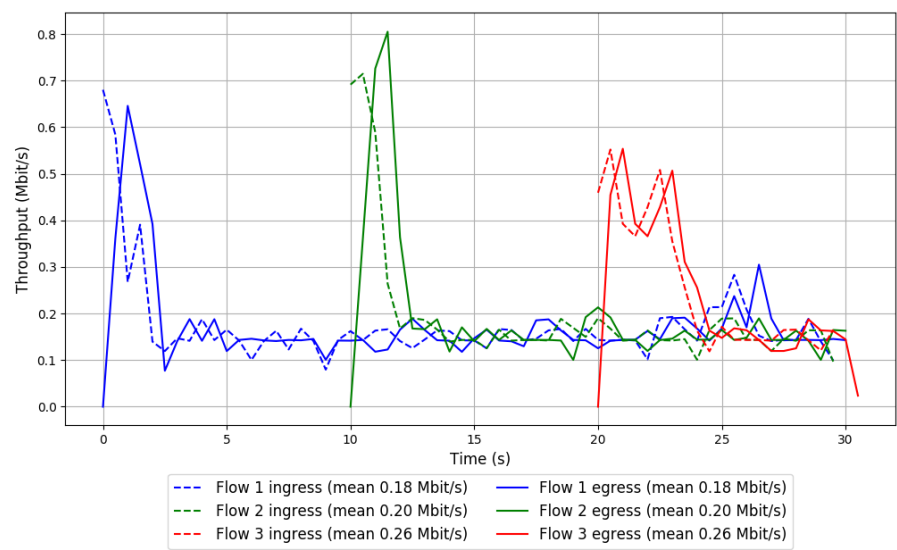


Run 2: Statistics of Sprout

Start at: 2018-08-01 05:16:18
End at: 2018-08-01 05:16:48
Local clock offset: -0.105 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2018-08-01 11:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 111.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.343 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.217 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-01 05:42:50

End at: 2018-08-01 05:43:20

Local clock offset: 1.3 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 110.715 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 110.749 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 110.367 ms

Loss rate: 0.00%

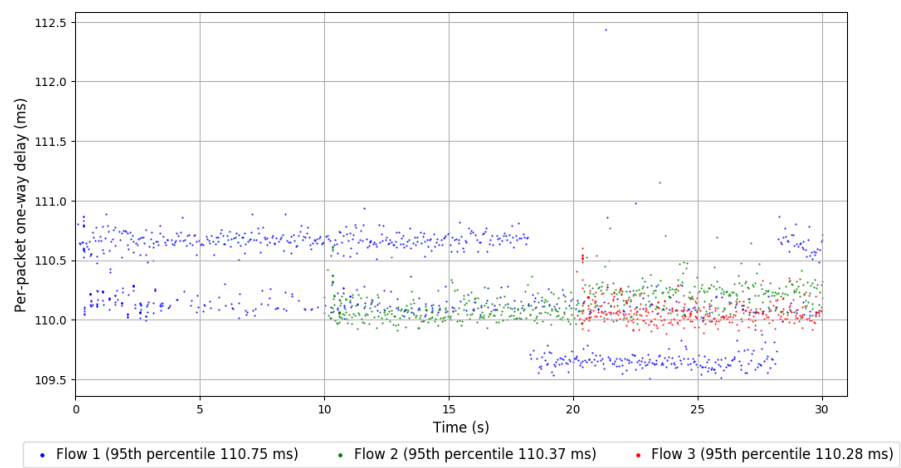
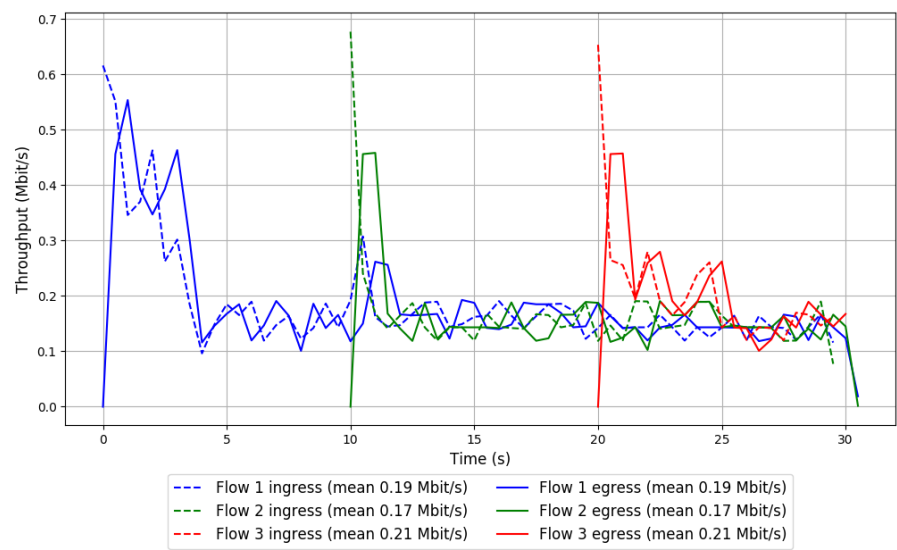
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.285 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

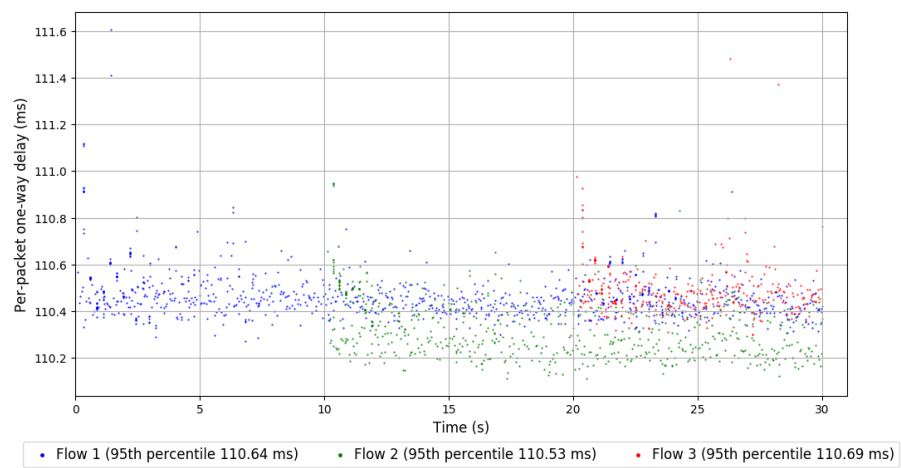
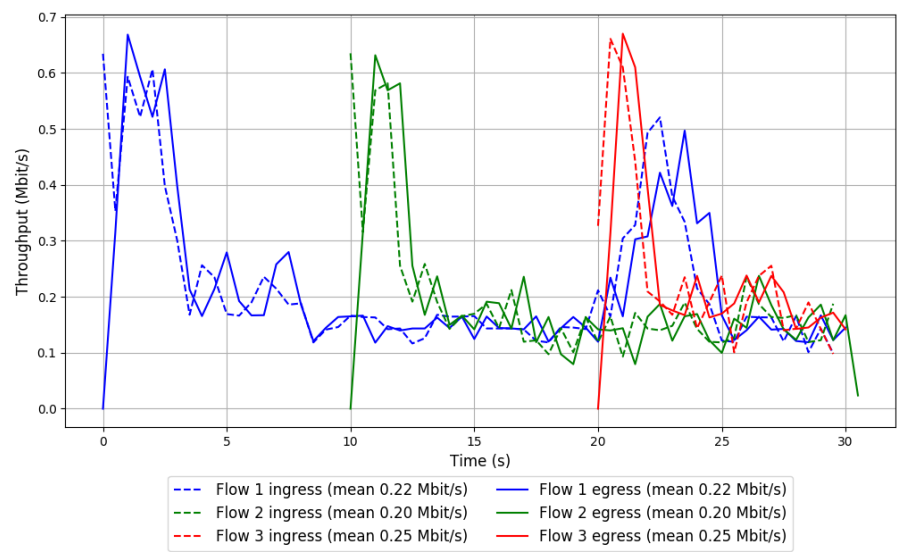


Run 4: Statistics of Sprout

Start at: 2018-08-01 06:09:31
End at: 2018-08-01 06:10:01
Local clock offset: 0.198 ms
Remote clock offset: -0.45 ms

```
# Below is generated by plot.py at 2018-08-01 11:09:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.635 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 110.689 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

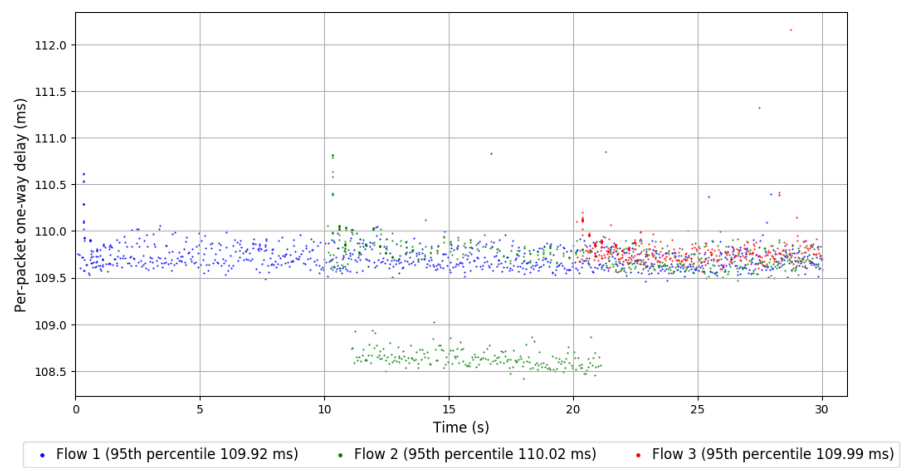
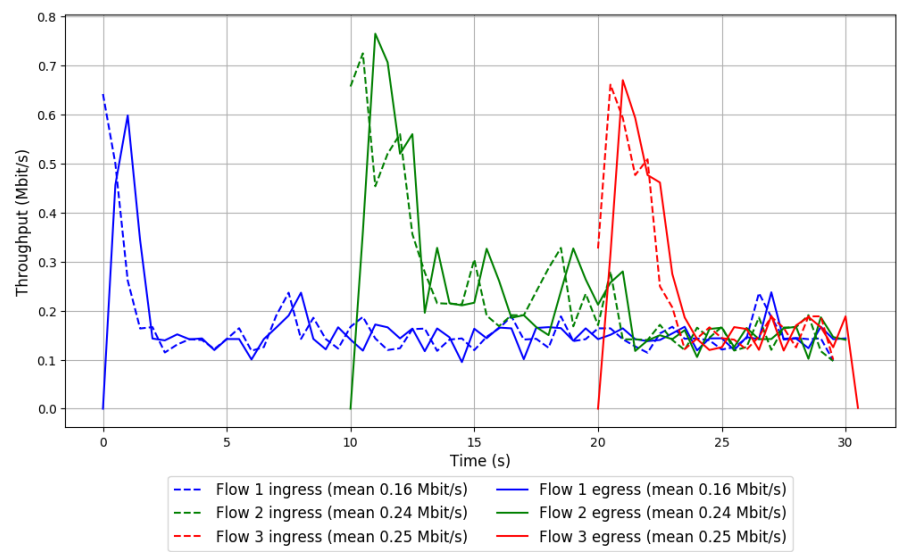


Run 5: Statistics of Sprout

Start at: 2018-08-01 06:35:49
End at: 2018-08-01 06:36:19
Local clock offset: 1.4 ms
Remote clock offset: -0.124 ms

```
# Below is generated by plot.py at 2018-08-01 11:09:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 109.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 109.924 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 110.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 109.989 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-01 07:01:57

End at: 2018-08-01 07:02:27

Local clock offset: 0.194 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 110.517 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.248 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.519 ms

Loss rate: 0.00%

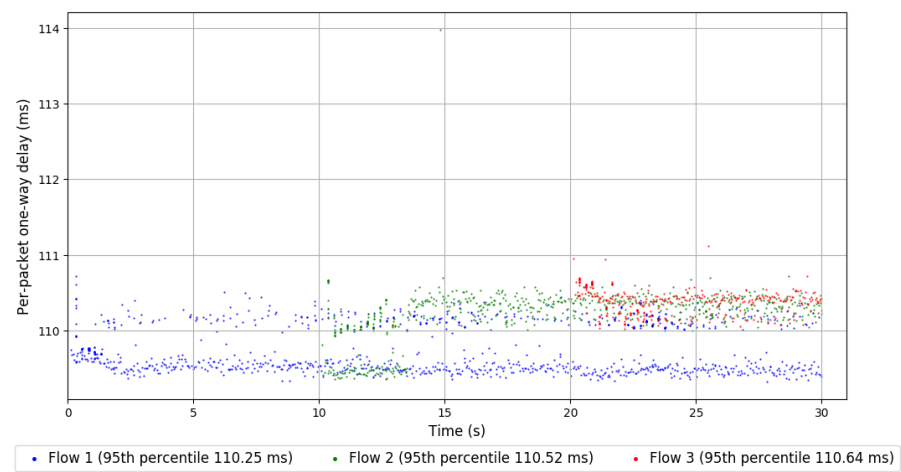
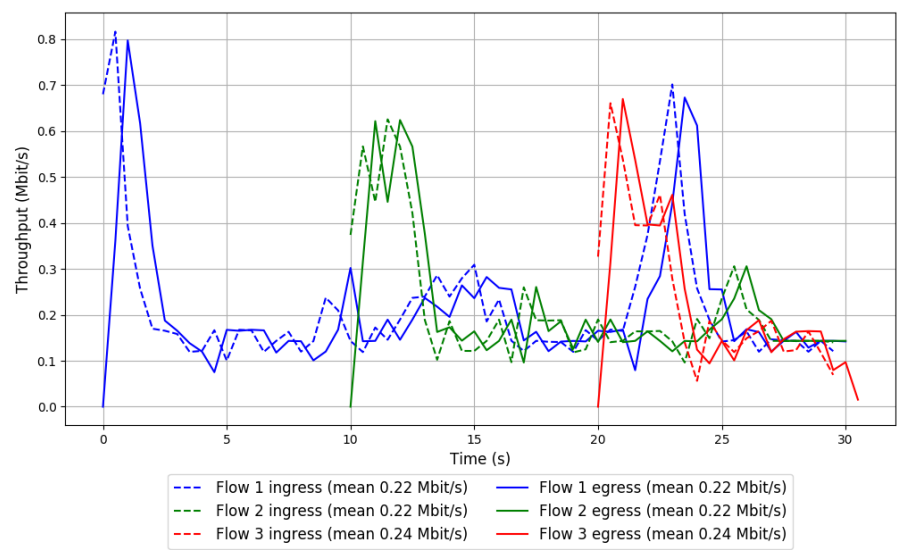
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 110.638 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-01 07:27:58

End at: 2018-08-01 07:28:28

Local clock offset: -0.179 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.684 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 110.683 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.779 ms

Loss rate: 0.00%

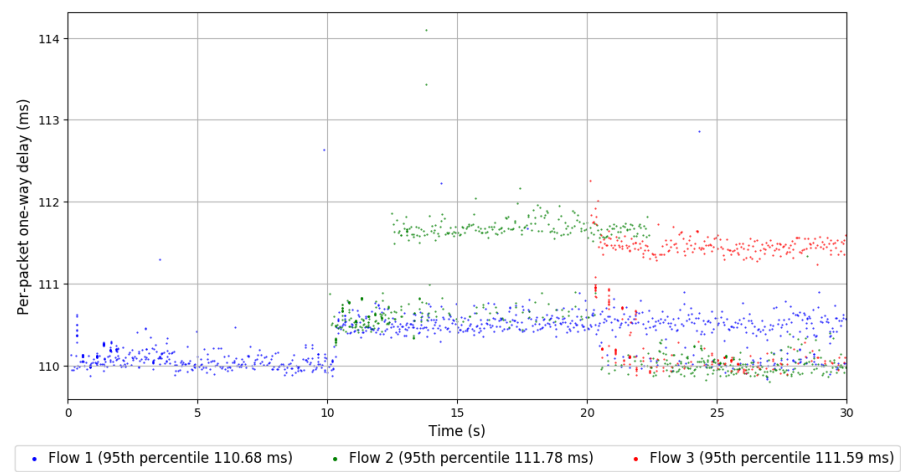
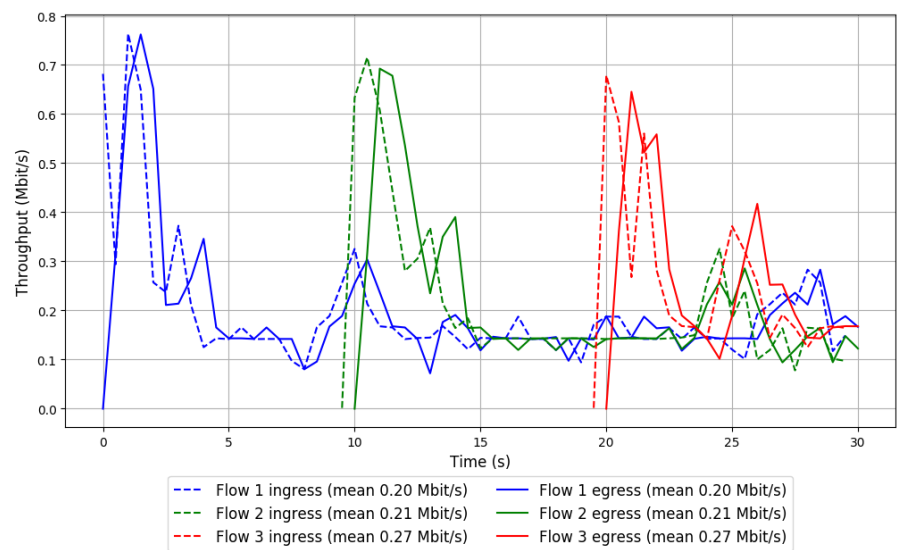
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 111.593 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

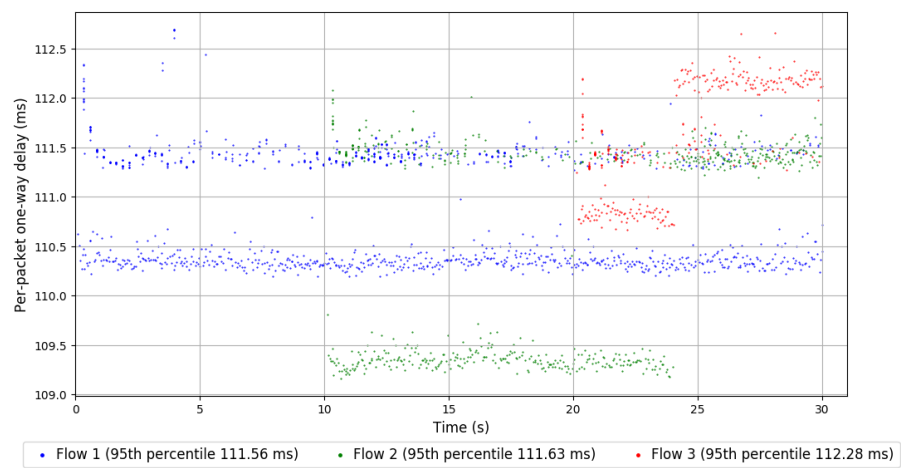
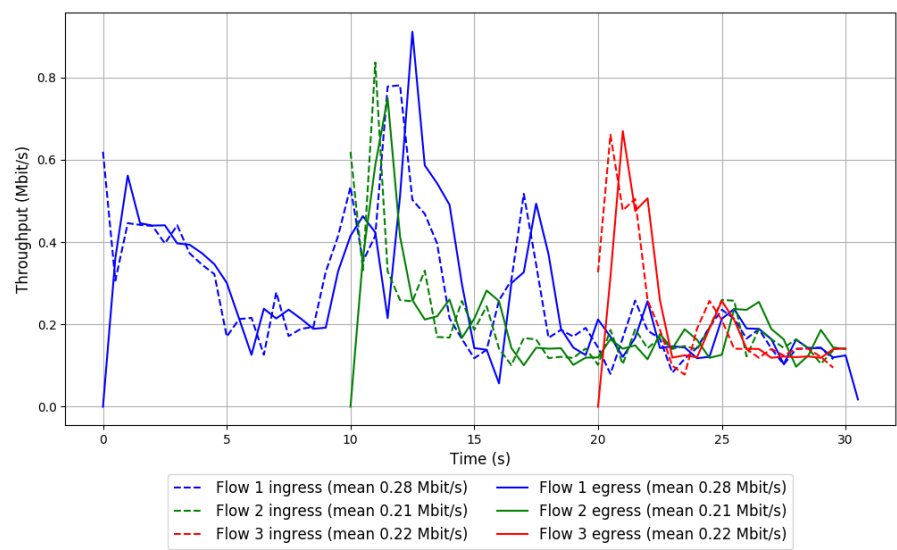


Run 8: Statistics of Sprout

Start at: 2018-08-01 07:54:06
End at: 2018-08-01 07:54:36
Local clock offset: 0.044 ms
Remote clock offset: -0.183 ms

```
# Below is generated by plot.py at 2018-08-01 11:09:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 112.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 111.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.282 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

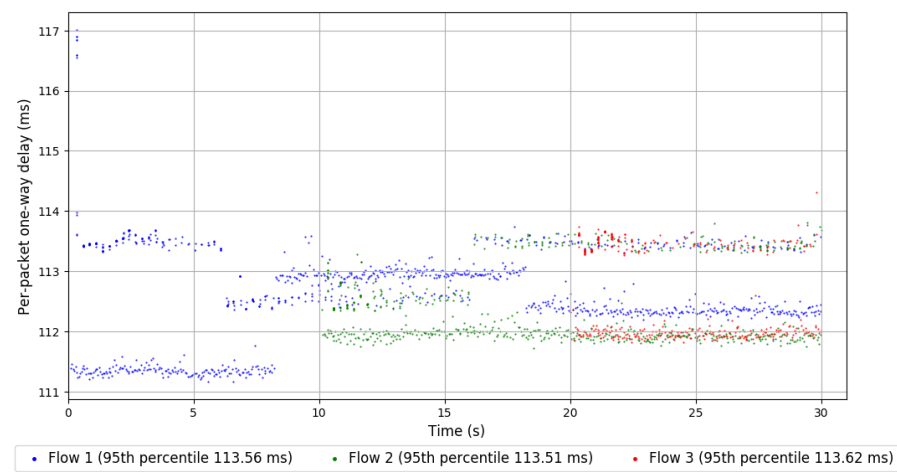
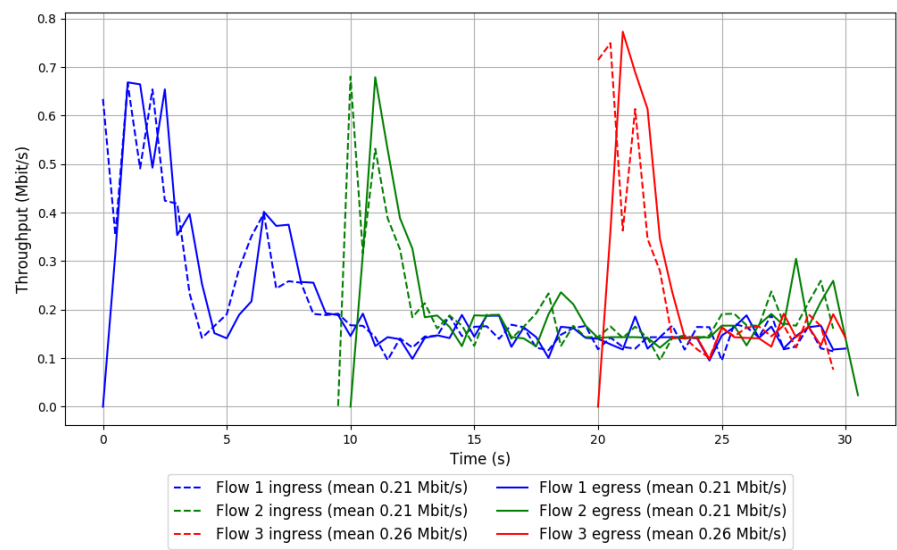


Run 9: Statistics of Sprout

Start at: 2018-08-01 08:20:22
End at: 2018-08-01 08:20:52
Local clock offset: -1.306 ms
Remote clock offset: 0.288 ms

```
# Below is generated by plot.py at 2018-08-01 11:09:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.558 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.509 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 113.623 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-01 08:46:12

End at: 2018-08-01 08:46:42

Local clock offset: 0.633 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-08-01 11:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.448 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.528 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 110.985 ms

Loss rate: 0.00%

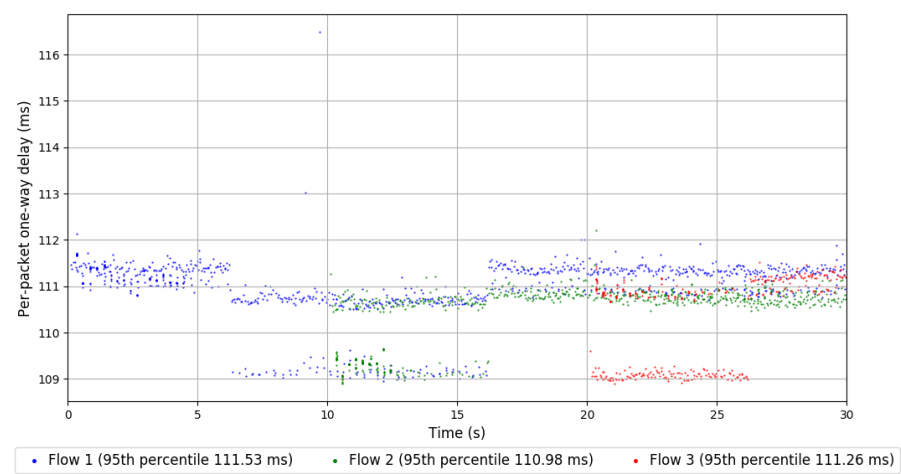
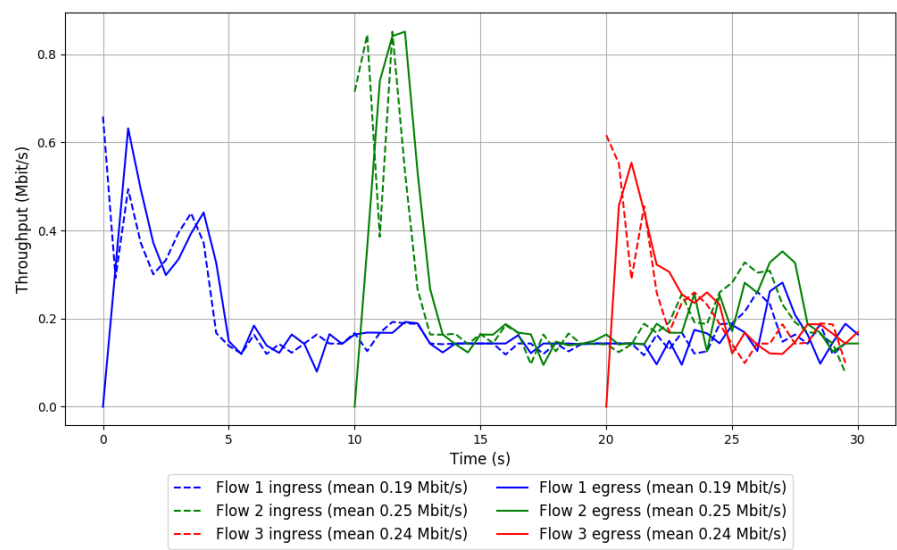
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 111.264 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 04:46:31

End at: 2018-08-01 04:47:01

Local clock offset: 1.179 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-08-01 11:15:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.77 Mbit/s

95th percentile per-packet one-way delay: 113.485 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 152.61 Mbit/s

95th percentile per-packet one-way delay: 112.522 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 133.31 Mbit/s

95th percentile per-packet one-way delay: 114.160 ms

Loss rate: 0.00%

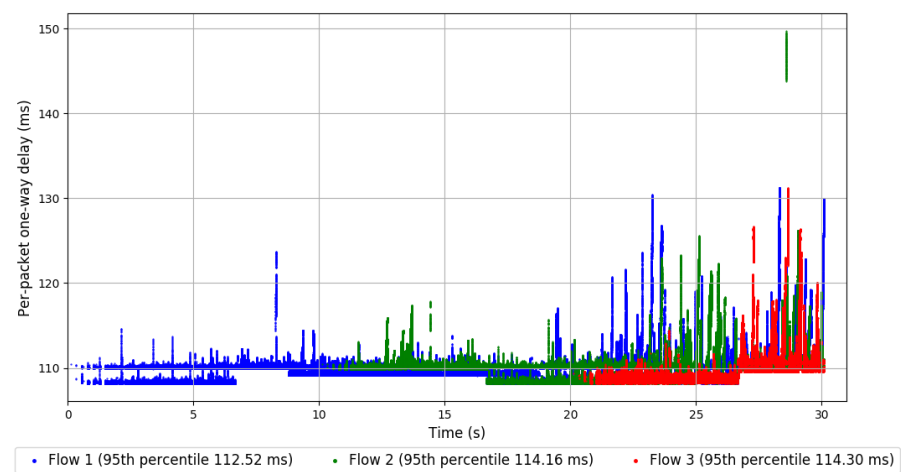
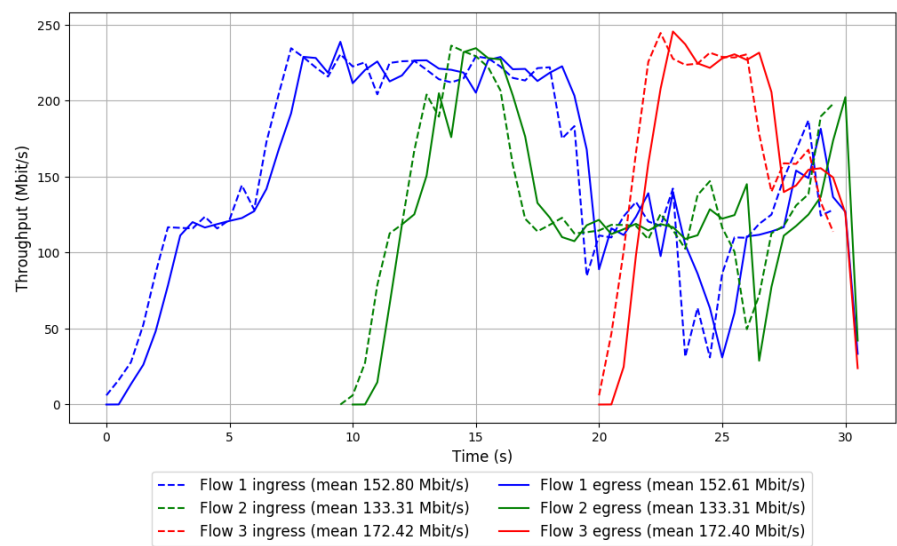
-- Flow 3:

Average throughput: 172.40 Mbit/s

95th percentile per-packet one-way delay: 114.297 ms

Loss rate: 0.00%

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

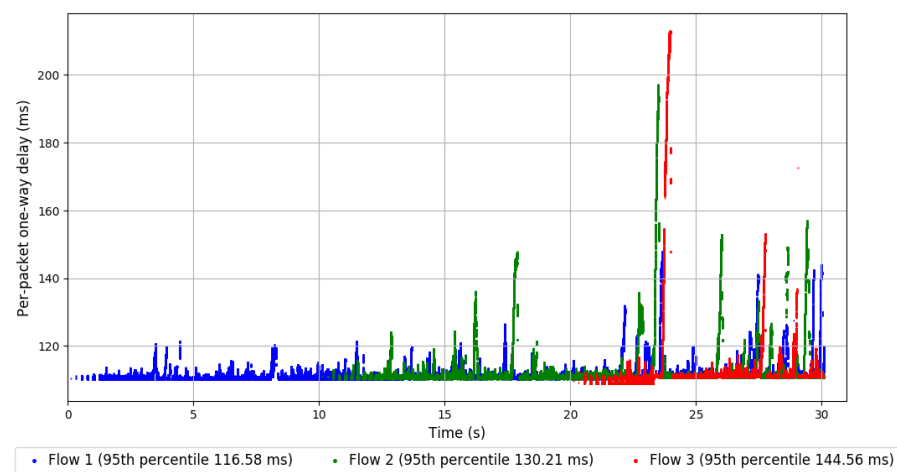
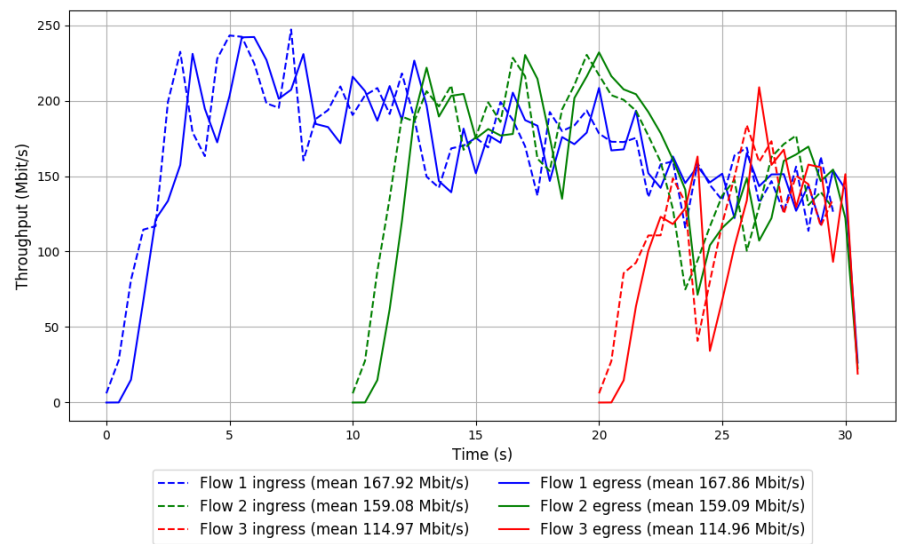


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 05:13:15
End at: 2018-08-01 05:13:45
Local clock offset: 0.012 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-08-01 11:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.02 Mbit/s
95th percentile per-packet one-way delay: 120.886 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 167.86 Mbit/s
95th percentile per-packet one-way delay: 116.584 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 159.09 Mbit/s
95th percentile per-packet one-way delay: 130.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.96 Mbit/s
95th percentile per-packet one-way delay: 144.561 ms
Loss rate: 0.00%

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

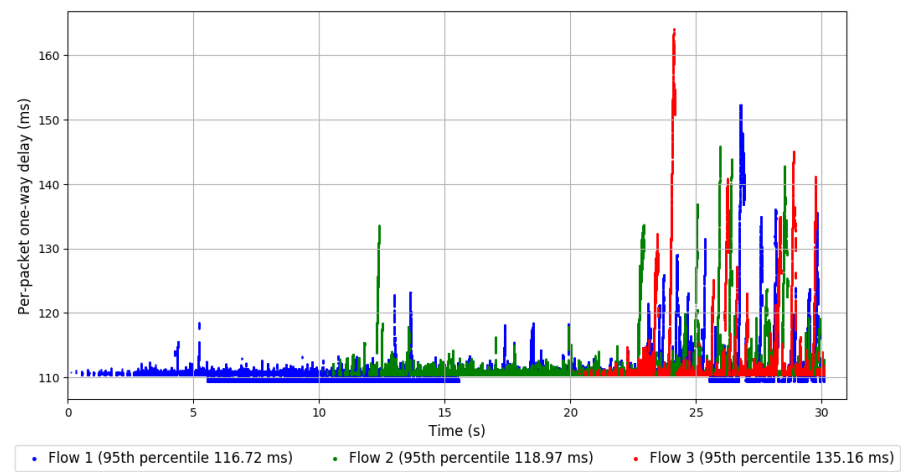
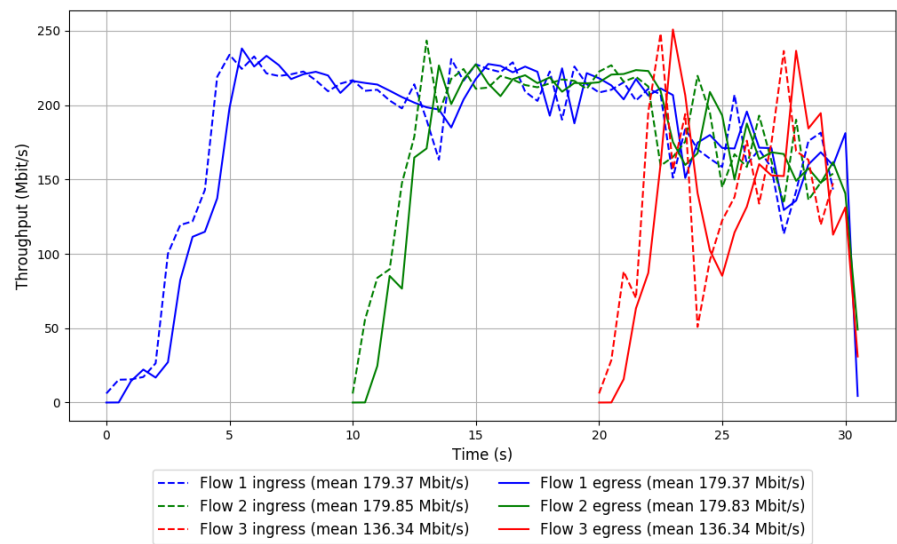


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 05:39:43
End at: 2018-08-01 05:40:13
Local clock offset: -0.007 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-08-01 11:16:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 344.44 Mbit/s
95th percentile per-packet one-way delay: 120.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.37 Mbit/s
95th percentile per-packet one-way delay: 116.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.83 Mbit/s
95th percentile per-packet one-way delay: 118.974 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 136.34 Mbit/s
95th percentile per-packet one-way delay: 135.164 ms
Loss rate: 0.00%

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

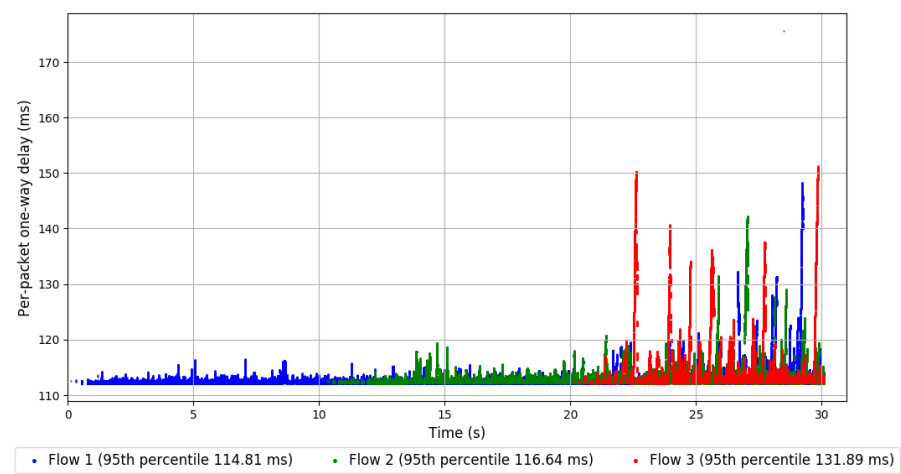
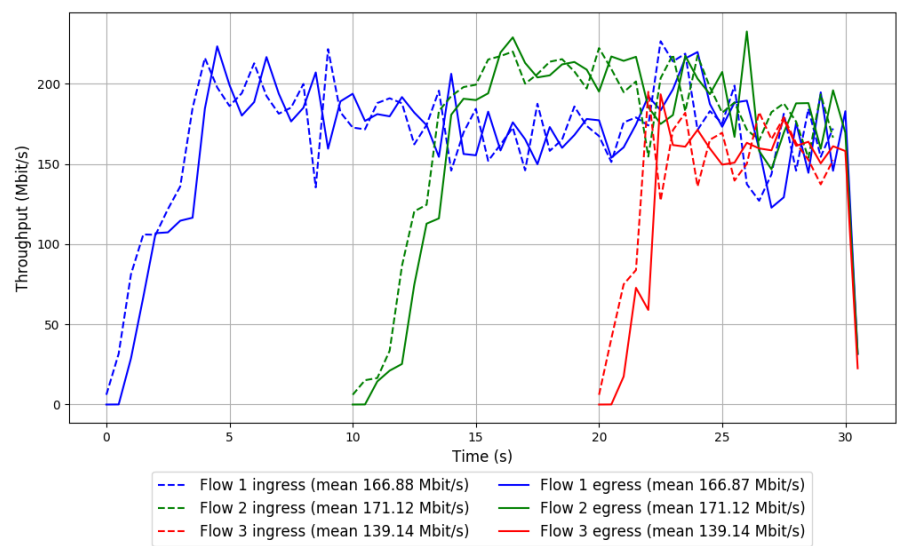


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 06:06:26
End at: 2018-08-01 06:06:56
Local clock offset: -1.455 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-08-01 11:16:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.05 Mbit/s
95th percentile per-packet one-way delay: 117.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.87 Mbit/s
95th percentile per-packet one-way delay: 114.806 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.12 Mbit/s
95th percentile per-packet one-way delay: 116.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 139.14 Mbit/s
95th percentile per-packet one-way delay: 131.889 ms
Loss rate: 0.00%

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

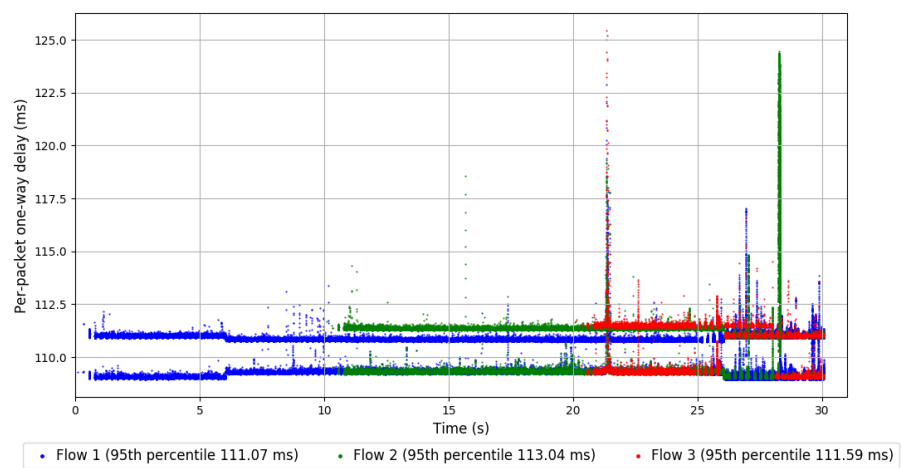
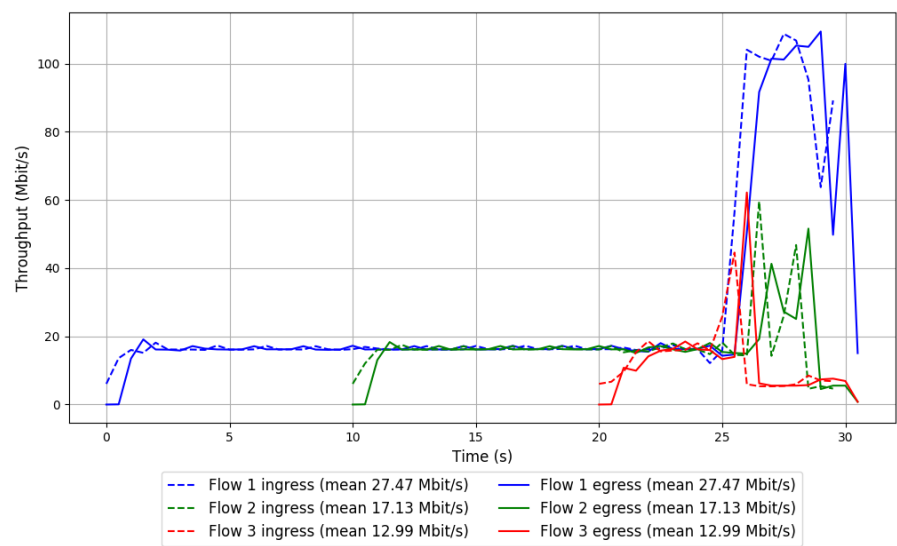


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 06:33:12
End at: 2018-08-01 06:33:42
Local clock offset: 0.093 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-01 11:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 111.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 111.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.13 Mbit/s
95th percentile per-packet one-way delay: 113.036 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 111.593 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 06:58:52

End at: 2018-08-01 06:59:22

Local clock offset: -0.495 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-08-01 11:17:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.33 Mbit/s

95th percentile per-packet one-way delay: 121.331 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.89 Mbit/s

95th percentile per-packet one-way delay: 118.586 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 165.35 Mbit/s

95th percentile per-packet one-way delay: 123.148 ms

Loss rate: 0.00%

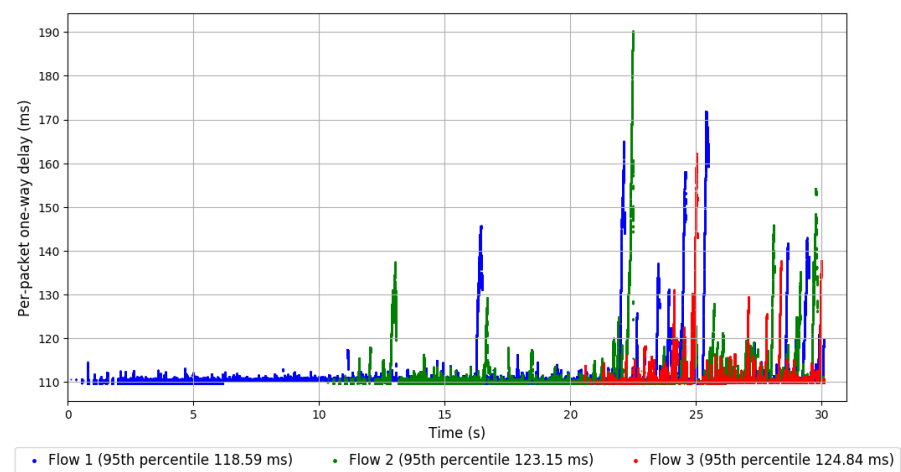
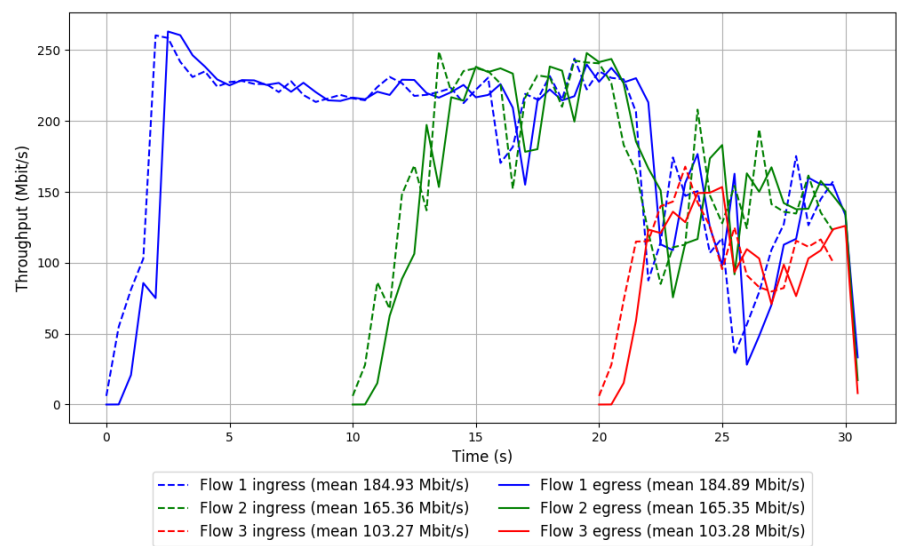
-- Flow 3:

Average throughput: 103.28 Mbit/s

95th percentile per-packet one-way delay: 124.837 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 07:25:00

End at: 2018-08-01 07:25:30

Local clock offset: 0.071 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-08-01 11:17:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.04 Mbit/s

95th percentile per-packet one-way delay: 121.391 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 120.61 Mbit/s

95th percentile per-packet one-way delay: 119.169 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 138.66 Mbit/s

95th percentile per-packet one-way delay: 120.277 ms

Loss rate: 0.00%

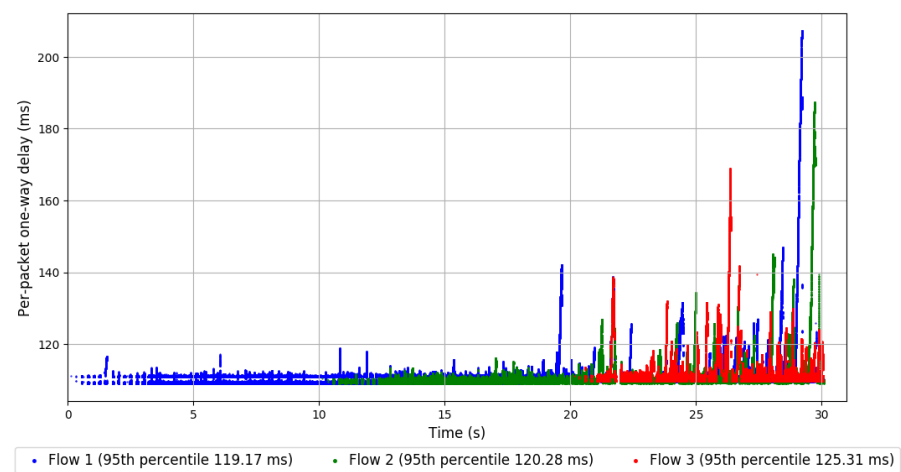
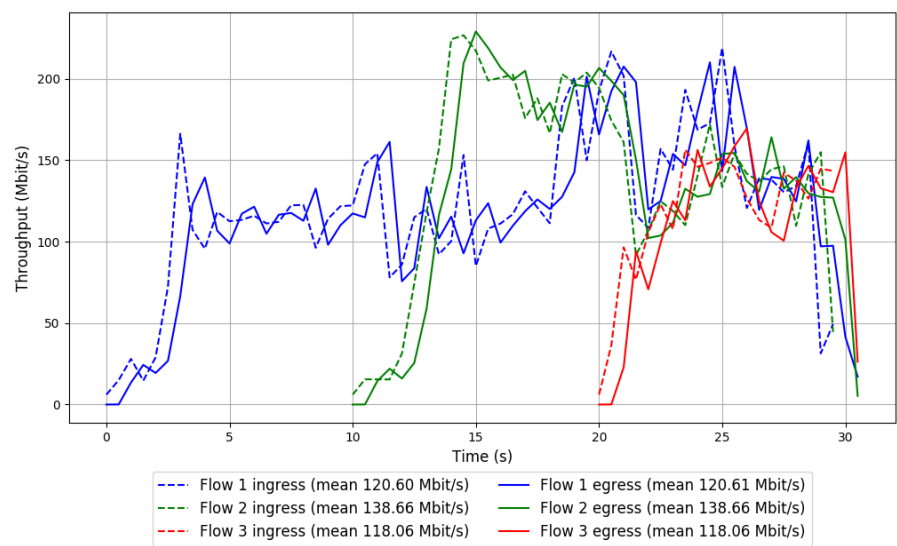
-- Flow 3:

Average throughput: 118.06 Mbit/s

95th percentile per-packet one-way delay: 125.313 ms

Loss rate: 0.00%

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

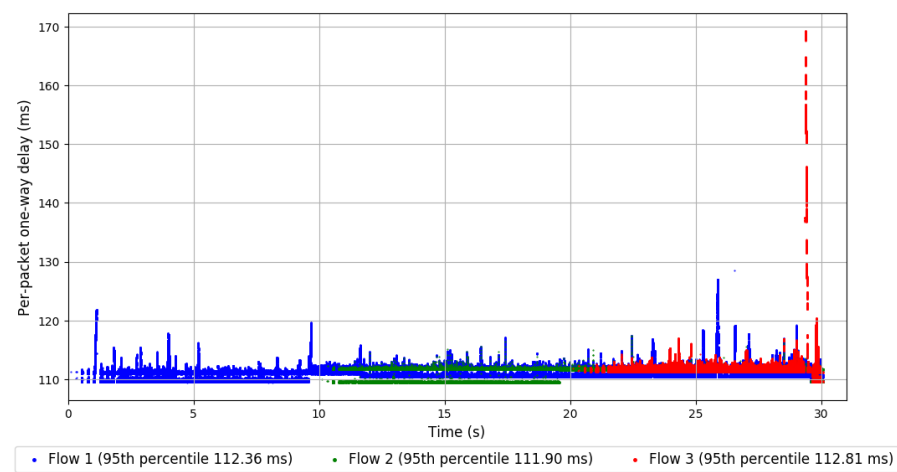
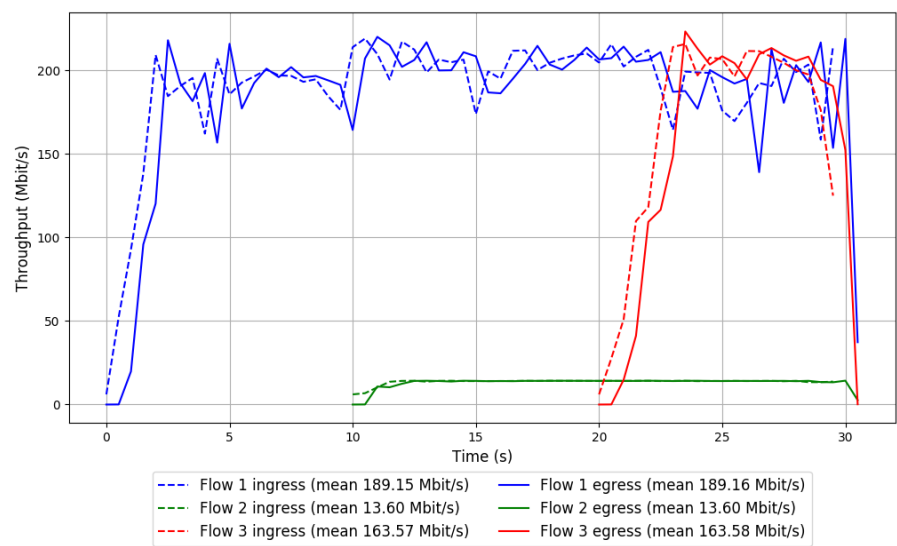


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 07:51:09
End at: 2018-08-01 07:51:39
Local clock offset: -0.492 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-08-01 11:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.57 Mbit/s
95th percentile per-packet one-way delay: 112.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.16 Mbit/s
95th percentile per-packet one-way delay: 112.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 111.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 163.58 Mbit/s
95th percentile per-packet one-way delay: 112.806 ms
Loss rate: 0.00%

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

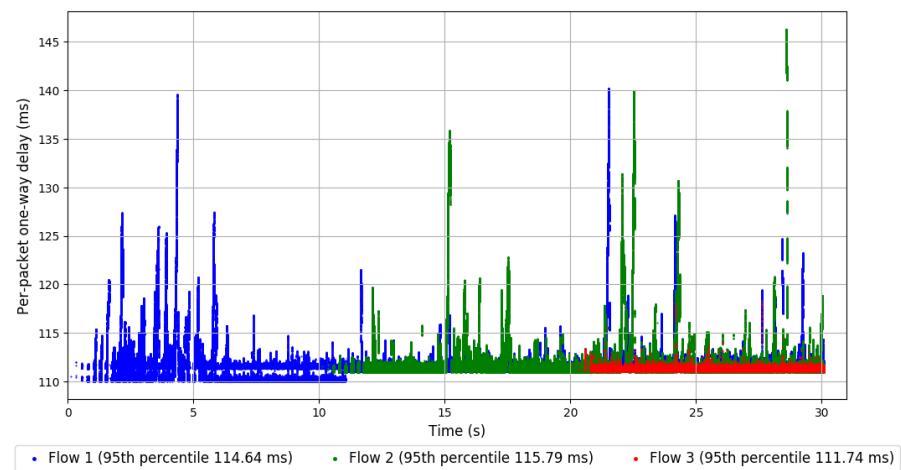
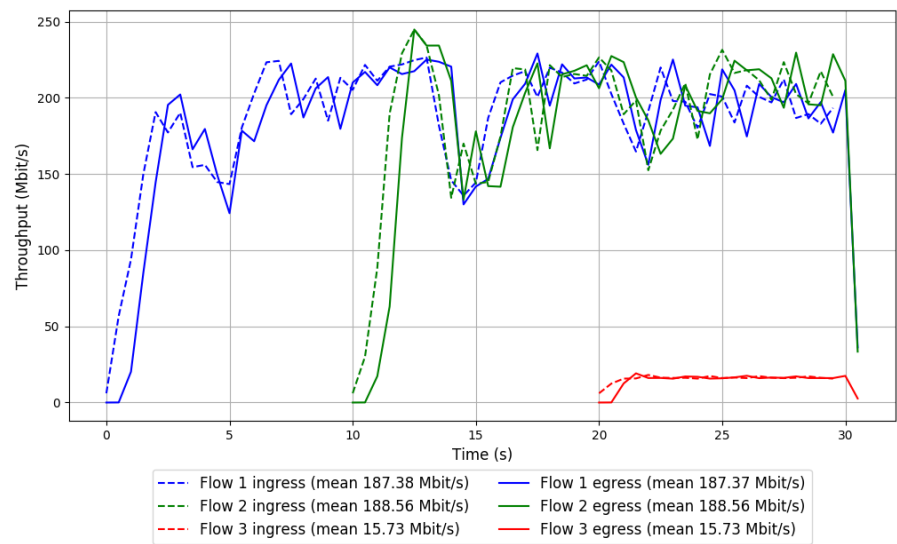


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 08:17:17
End at: 2018-08-01 08:17:47
Local clock offset: -1.277 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-08-01 11:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.14 Mbit/s
95th percentile per-packet one-way delay: 115.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.37 Mbit/s
95th percentile per-packet one-way delay: 114.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.56 Mbit/s
95th percentile per-packet one-way delay: 115.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 111.740 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 08:43:26

End at: 2018-08-01 08:43:56

Local clock offset: 0.05 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-08-01 11:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.91 Mbit/s

95th percentile per-packet one-way delay: 120.835 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.71 Mbit/s

95th percentile per-packet one-way delay: 115.529 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 104.24 Mbit/s

95th percentile per-packet one-way delay: 124.419 ms

Loss rate: 0.00%

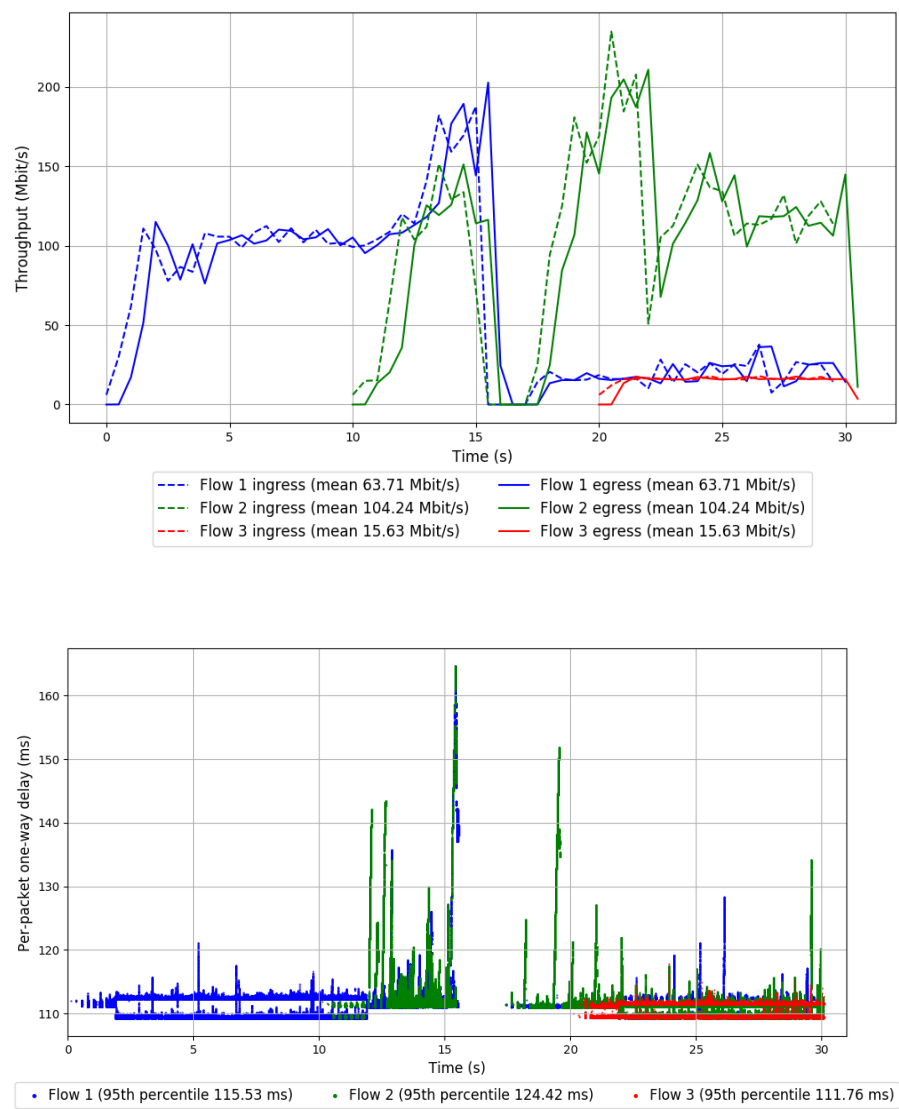
-- Flow 3:

Average throughput: 15.63 Mbit/s

95th percentile per-packet one-way delay: 111.759 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 04:53:32

End at: 2018-08-01 04:54:02

Local clock offset: -0.157 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-01 11:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 121.80 Mbit/s

95th percentile per-packet one-way delay: 119.120 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 54.34 Mbit/s

95th percentile per-packet one-way delay: 120.184 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.80 Mbit/s

95th percentile per-packet one-way delay: 118.179 ms

Loss rate: 0.13%

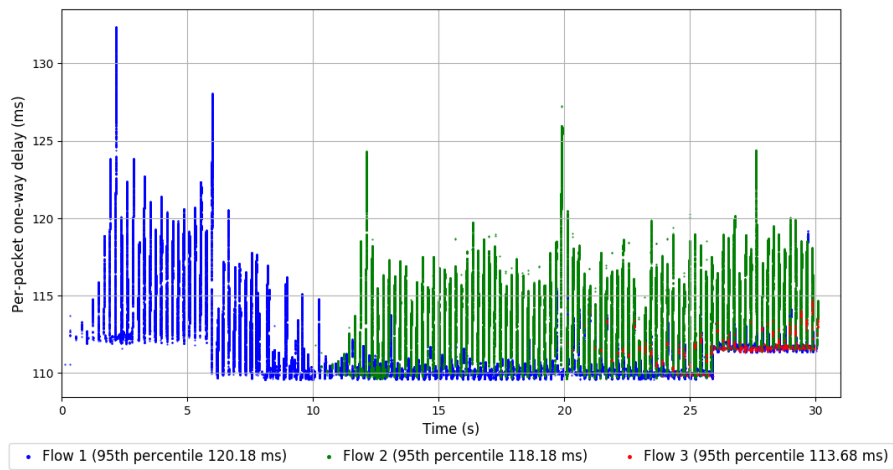
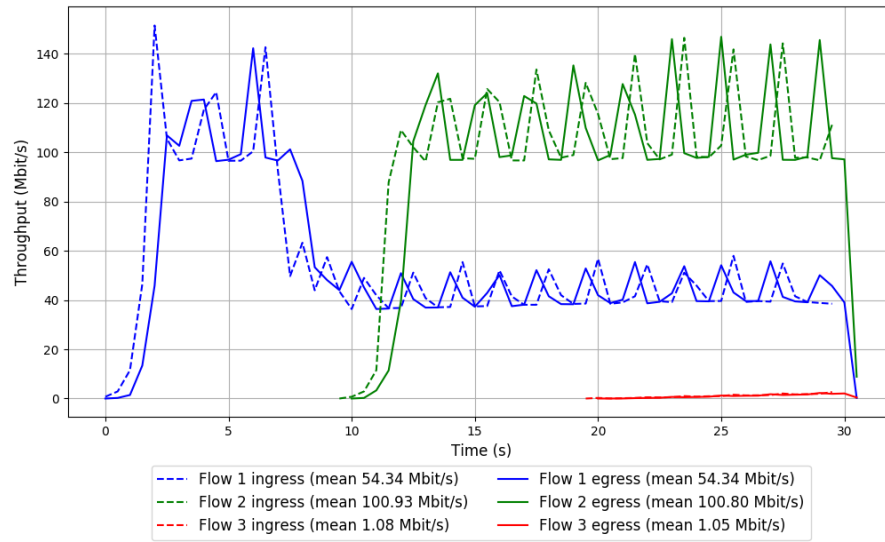
-- Flow 3:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 113.679 ms

Loss rate: 2.79%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 05:20:16

End at: 2018-08-01 05:20:46

Local clock offset: -0.076 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-08-01 11:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.59 Mbit/s

95th percentile per-packet one-way delay: 119.960 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.15 Mbit/s

95th percentile per-packet one-way delay: 116.251 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.78 Mbit/s

95th percentile per-packet one-way delay: 114.237 ms

Loss rate: 0.00%

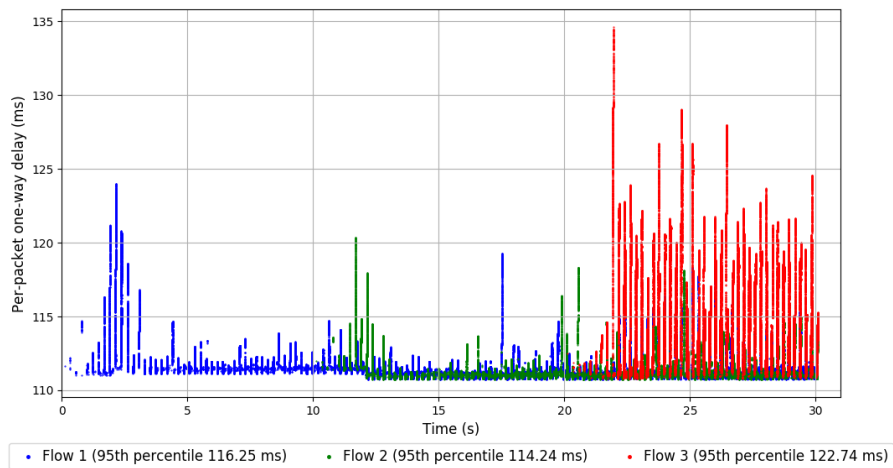
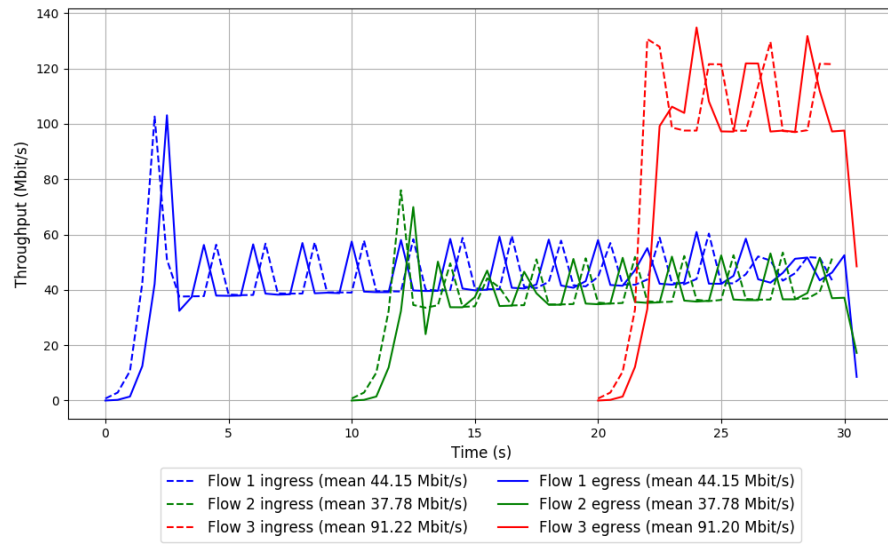
-- Flow 3:

Average throughput: 91.20 Mbit/s

95th percentile per-packet one-way delay: 122.736 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

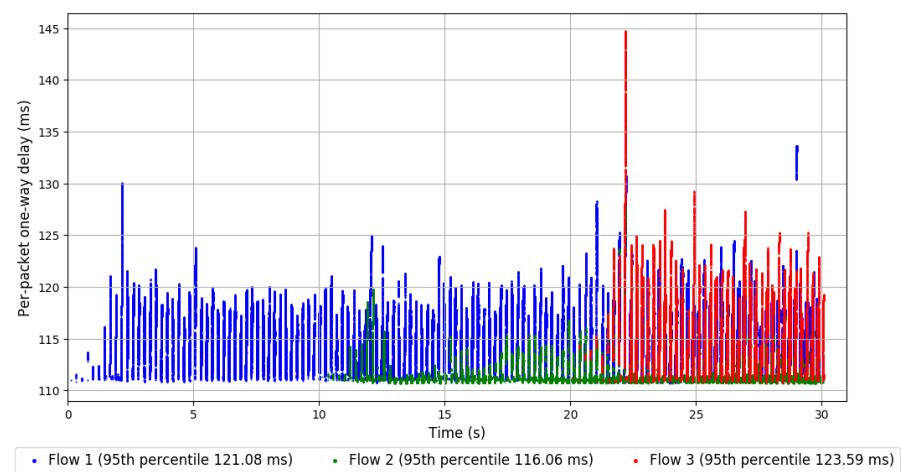
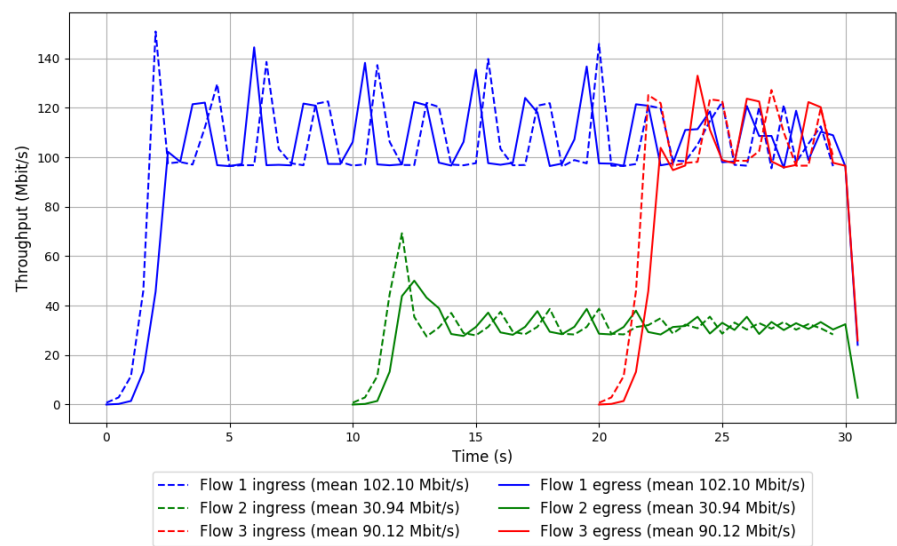


Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 05:46:51
End at: 2018-08-01 05:47:21
Local clock offset: 0.097 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-01 11:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.39 Mbit/s
95th percentile per-packet one-way delay: 121.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.10 Mbit/s
95th percentile per-packet one-way delay: 121.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 116.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 123.592 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 06:13:31

End at: 2018-08-01 06:14:01

Local clock offset: -0.189 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-08-01 11:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.91 Mbit/s

95th percentile per-packet one-way delay: 120.430 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.59 Mbit/s

95th percentile per-packet one-way delay: 120.501 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.82 Mbit/s

95th percentile per-packet one-way delay: 120.357 ms

Loss rate: 0.00%

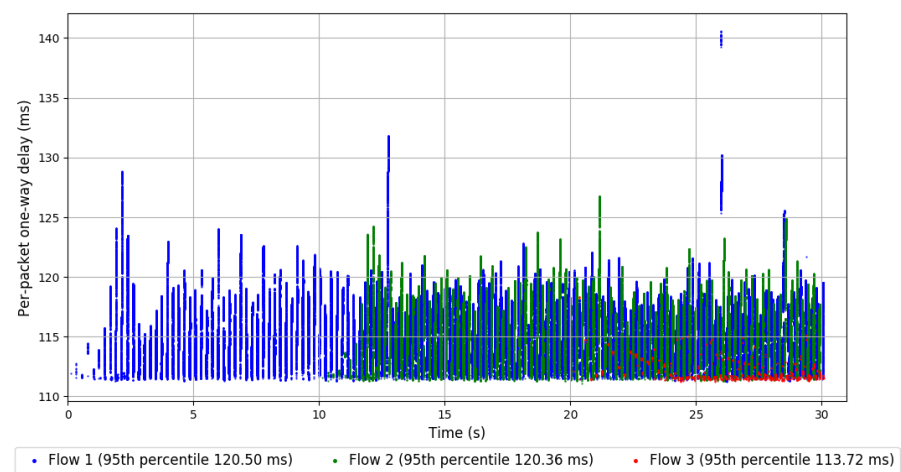
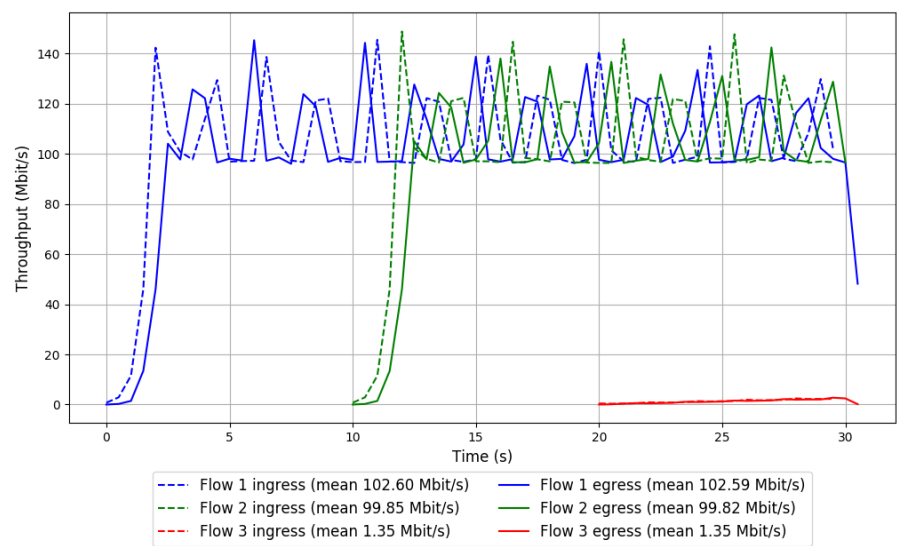
-- Flow 3:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 113.725 ms

Loss rate: 0.53%

Run 4: Report of TCP Vegas — Data Link

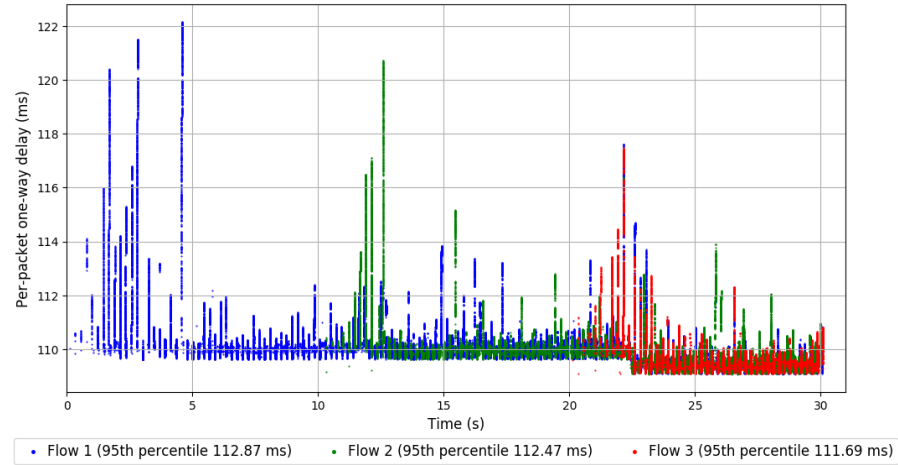
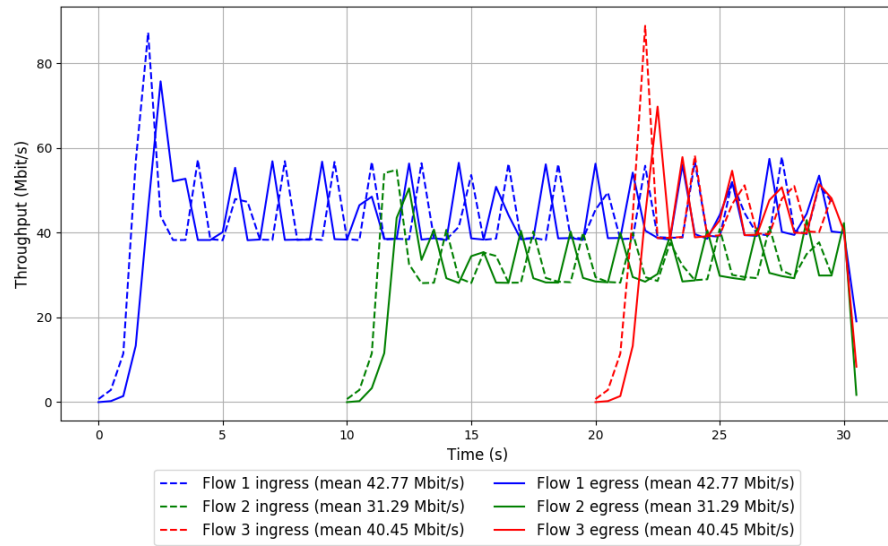


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 06:39:46
End at: 2018-08-01 06:40:16
Local clock offset: -0.159 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-08-01 11:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 112.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 112.866 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 112.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 111.695 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

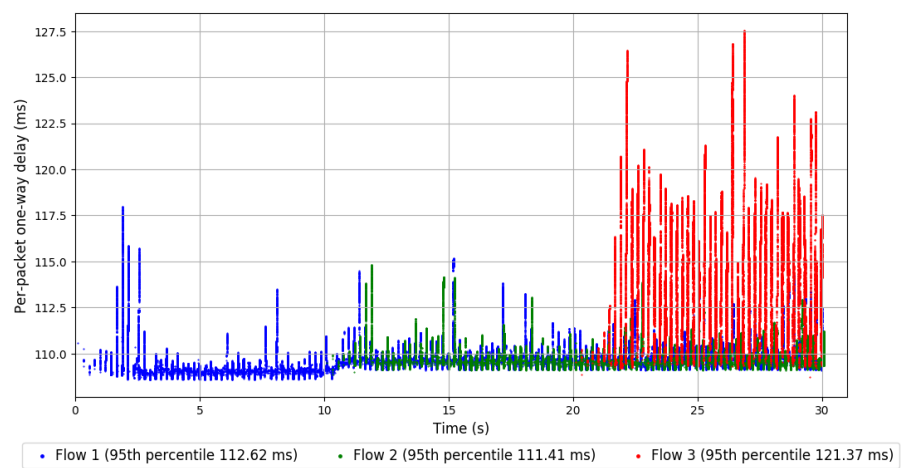
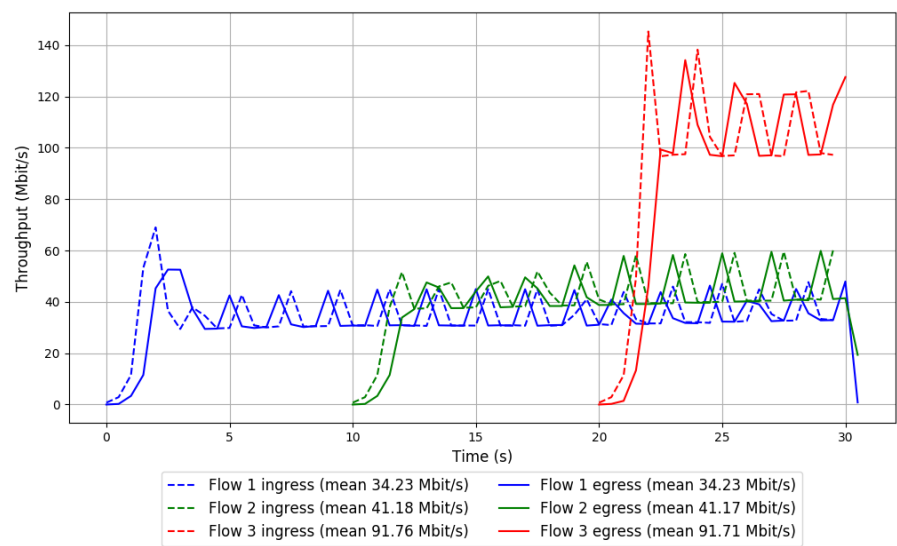


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 07:05:58
End at: 2018-08-01 07:06:28
Local clock offset: 0.18 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-08-01 11:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 118.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 112.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 111.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 121.373 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

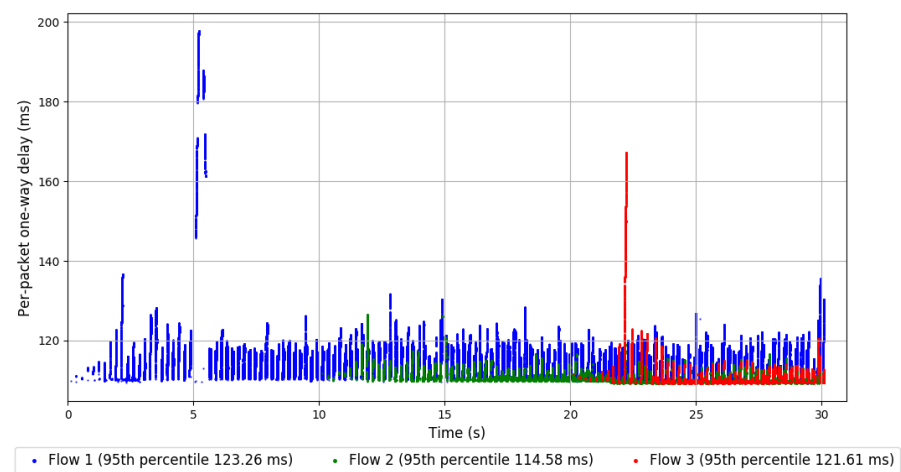
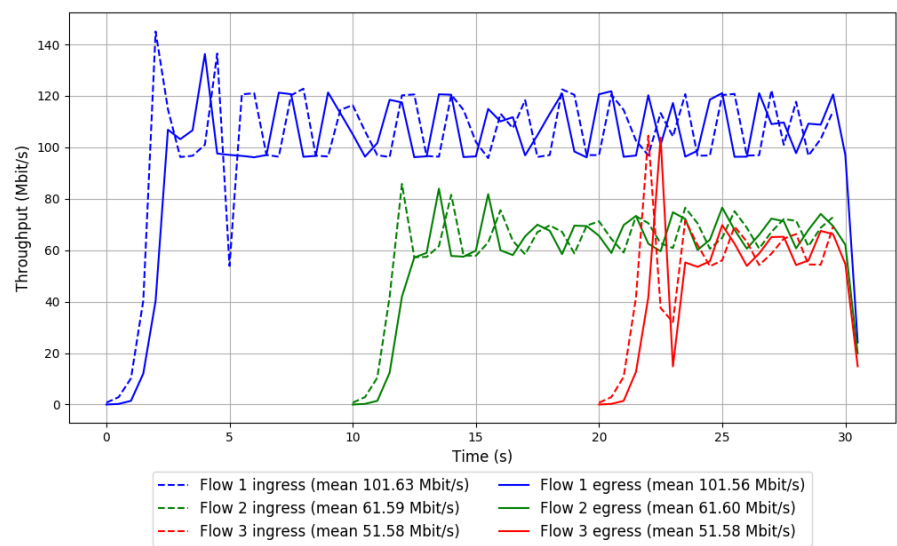


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 07:31:57
End at: 2018-08-01 07:32:27
Local clock offset: -0.157 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-01 11:20:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.72 Mbit/s
95th percentile per-packet one-way delay: 122.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.56 Mbit/s
95th percentile per-packet one-way delay: 123.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 114.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 121.611 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 07:58:03

End at: 2018-08-01 07:58:33

Local clock offset: -0.278 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-01 11:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.10 Mbit/s

95th percentile per-packet one-way delay: 113.277 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.73 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.00 Mbit/s

95th percentile per-packet one-way delay: 113.035 ms

Loss rate: 0.00%

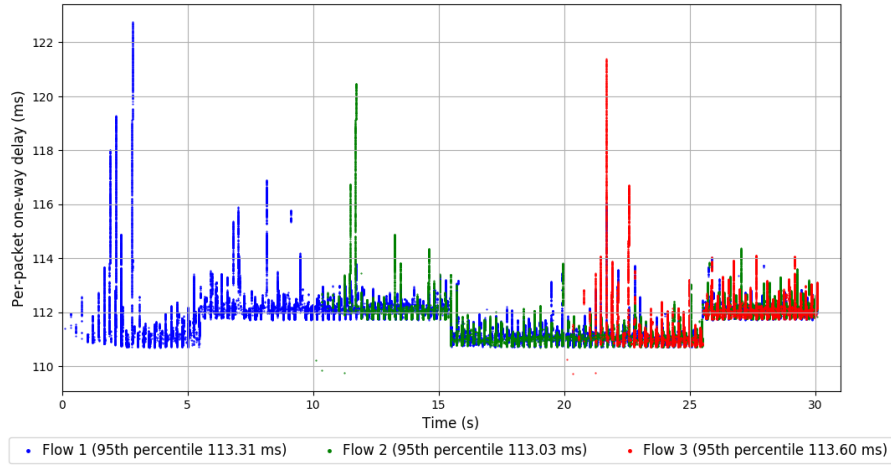
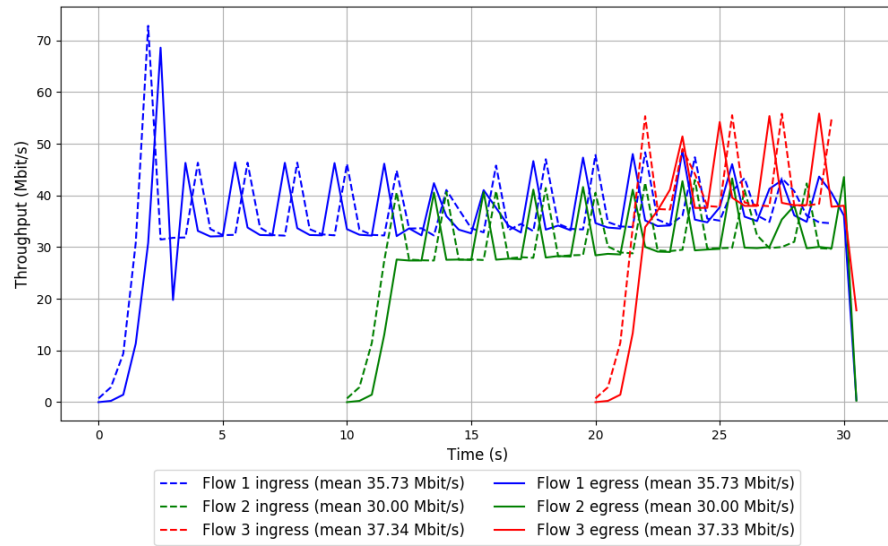
-- Flow 3:

Average throughput: 37.33 Mbit/s

95th percentile per-packet one-way delay: 113.599 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 08:24:17

End at: 2018-08-01 08:24:47

Local clock offset: 0.154 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-01 11:20:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.29 Mbit/s

95th percentile per-packet one-way delay: 121.196 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.07 Mbit/s

95th percentile per-packet one-way delay: 115.205 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 99.14 Mbit/s

95th percentile per-packet one-way delay: 124.110 ms

Loss rate: 0.00%

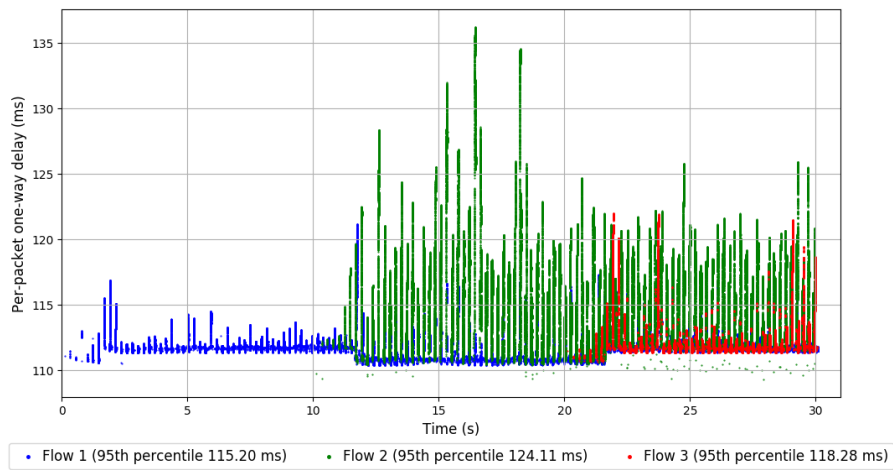
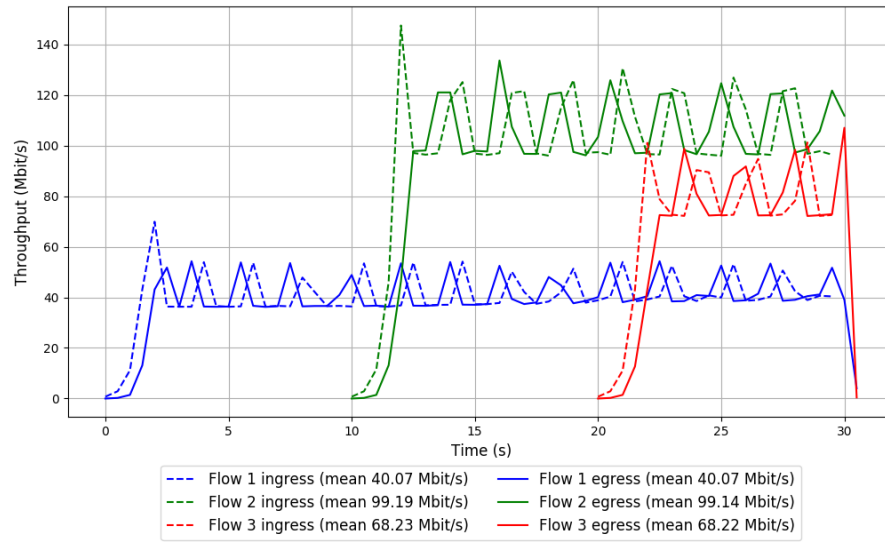
-- Flow 3:

Average throughput: 68.22 Mbit/s

95th percentile per-packet one-way delay: 118.281 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

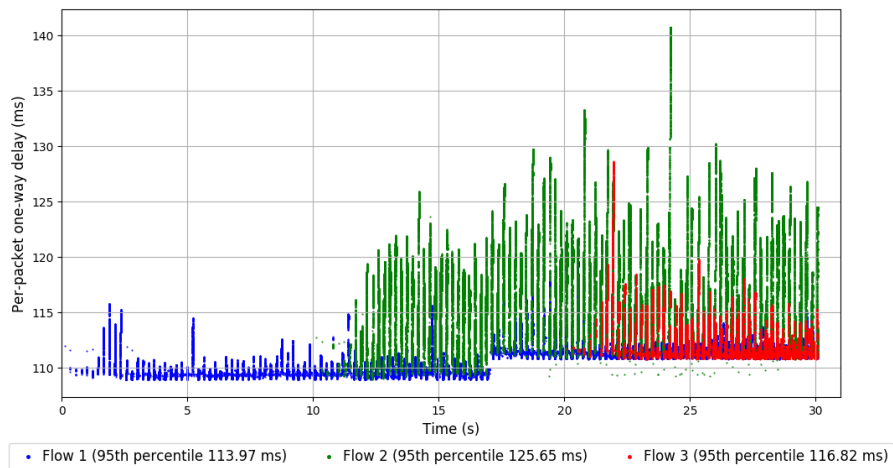
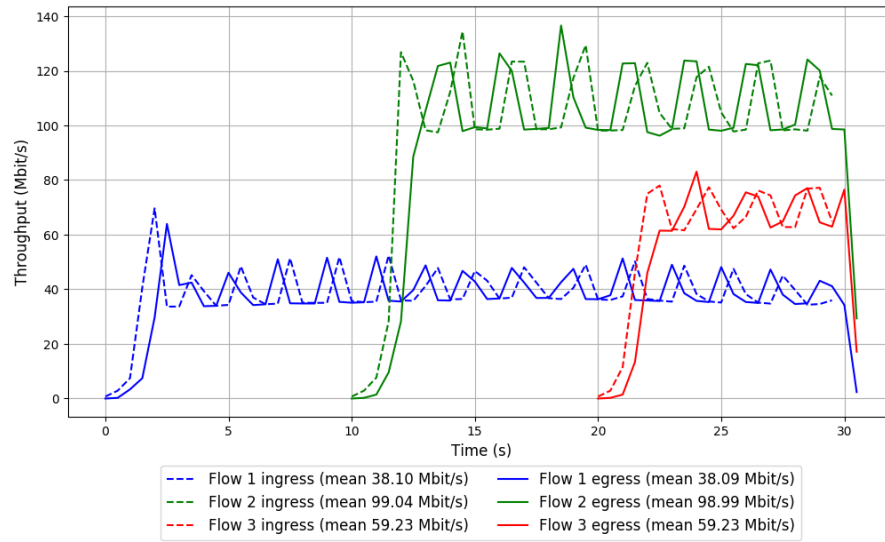


Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 08:50:11
End at: 2018-08-01 08:50:41
Local clock offset: 0.037 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-08-01 11:20:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.67 Mbit/s
95th percentile per-packet one-way delay: 123.785 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 113.968 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 98.99 Mbit/s
95th percentile per-packet one-way delay: 125.651 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 116.818 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-01 04:51:58

End at: 2018-08-01 04:52:28

Local clock offset: -0.295 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-08-01 11:23:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.18 Mbit/s

95th percentile per-packet one-way delay: 288.078 ms

Loss rate: 6.91%

-- Flow 1:

Average throughput: 118.84 Mbit/s

95th percentile per-packet one-way delay: 194.488 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 201.30 Mbit/s

95th percentile per-packet one-way delay: 301.822 ms

Loss rate: 12.12%

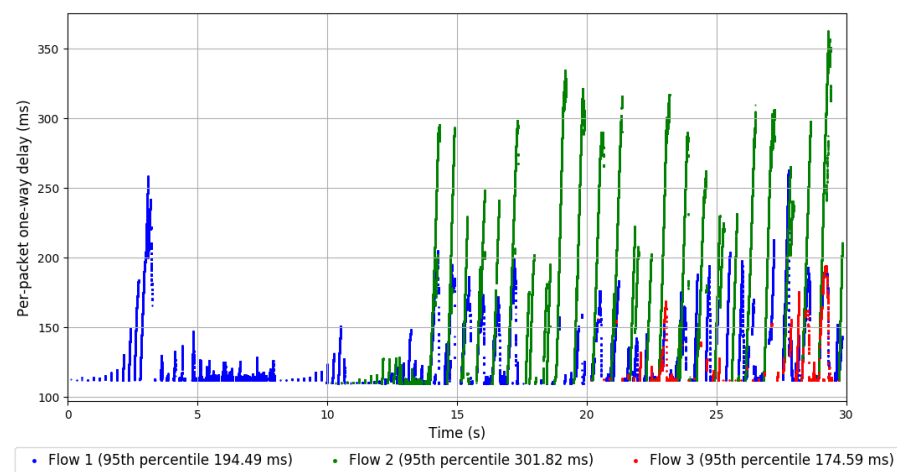
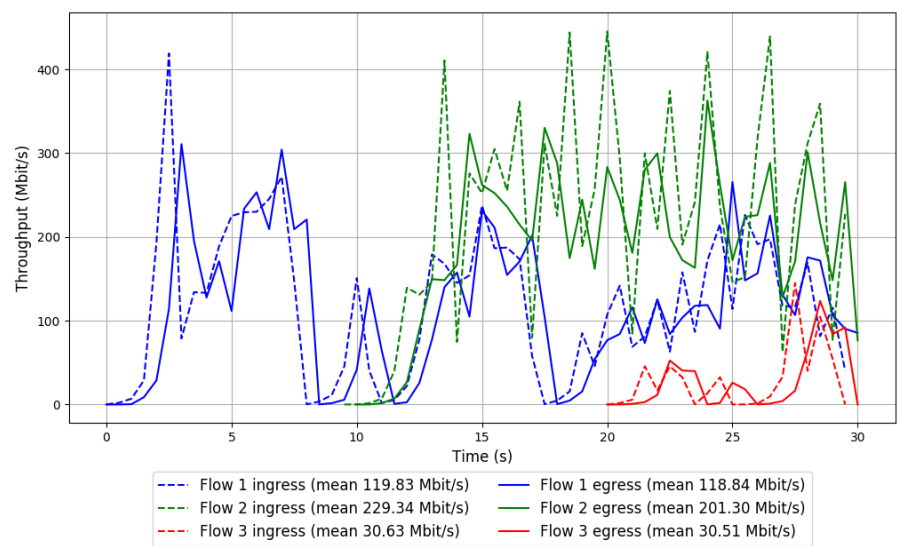
-- Flow 3:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 174.593 ms

Loss rate: 0.40%

Run 1: Report of Verus — Data Link

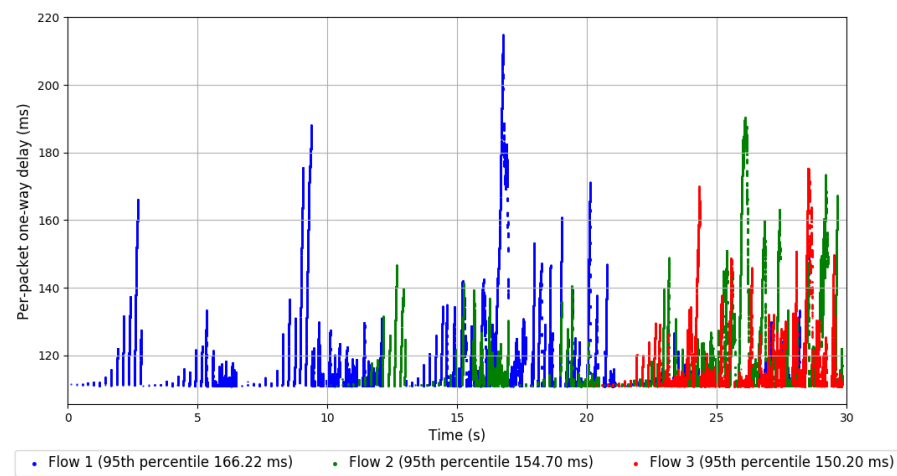
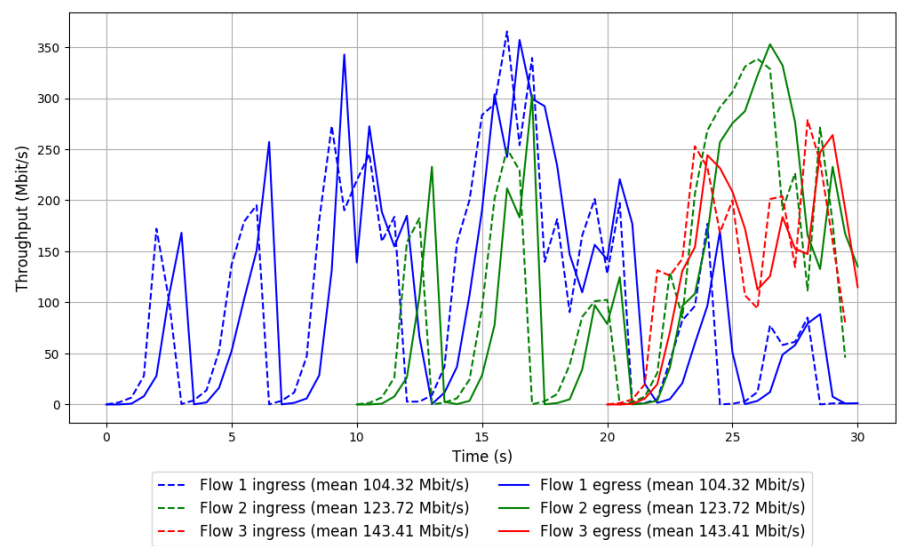


Run 2: Statistics of Verus

Start at: 2018-08-01 05:18:44
End at: 2018-08-01 05:19:14
Local clock offset: 0.049 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-01 11:23:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.54 Mbit/s
95th percentile per-packet one-way delay: 158.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.32 Mbit/s
95th percentile per-packet one-way delay: 166.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.72 Mbit/s
95th percentile per-packet one-way delay: 154.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 143.41 Mbit/s
95th percentile per-packet one-way delay: 150.198 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-01 05:45:16

End at: 2018-08-01 05:45:46

Local clock offset: 0.082 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-08-01 11:24:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.93 Mbit/s

95th percentile per-packet one-way delay: 255.695 ms

Loss rate: 2.40%

-- Flow 1:

Average throughput: 151.00 Mbit/s

95th percentile per-packet one-way delay: 162.678 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 123.89 Mbit/s

95th percentile per-packet one-way delay: 309.284 ms

Loss rate: 6.44%

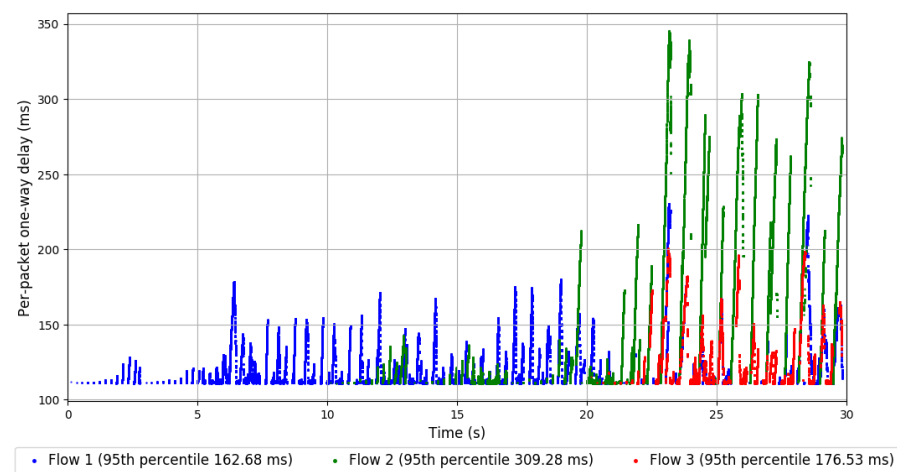
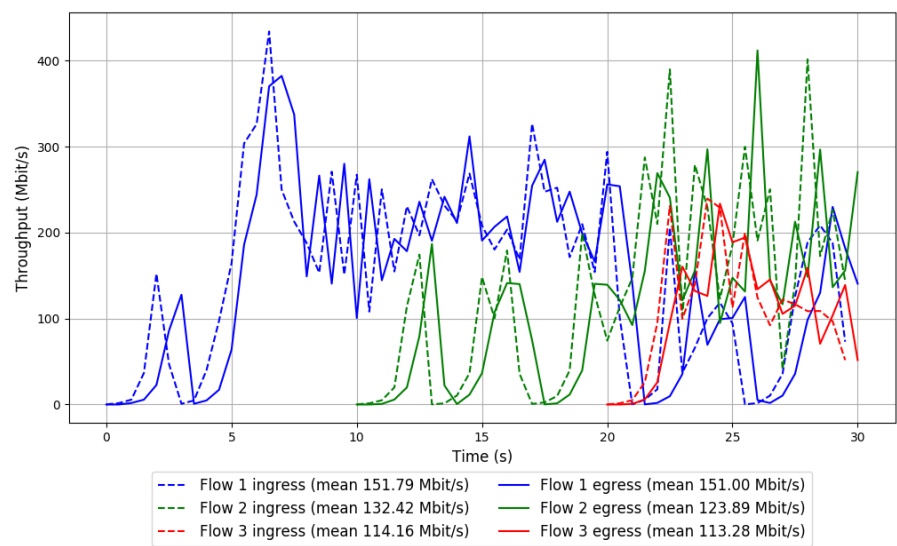
-- Flow 3:

Average throughput: 113.28 Mbit/s

95th percentile per-packet one-way delay: 176.527 ms

Loss rate: 0.61%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-01 06:11:57

End at: 2018-08-01 06:12:27

Local clock offset: -0.12 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-01 11:24:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.51 Mbit/s

95th percentile per-packet one-way delay: 239.403 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 204.77 Mbit/s

95th percentile per-packet one-way delay: 243.140 ms

Loss rate: 1.40%

-- Flow 2:

Average throughput: 98.09 Mbit/s

95th percentile per-packet one-way delay: 170.108 ms

Loss rate: 0.03%

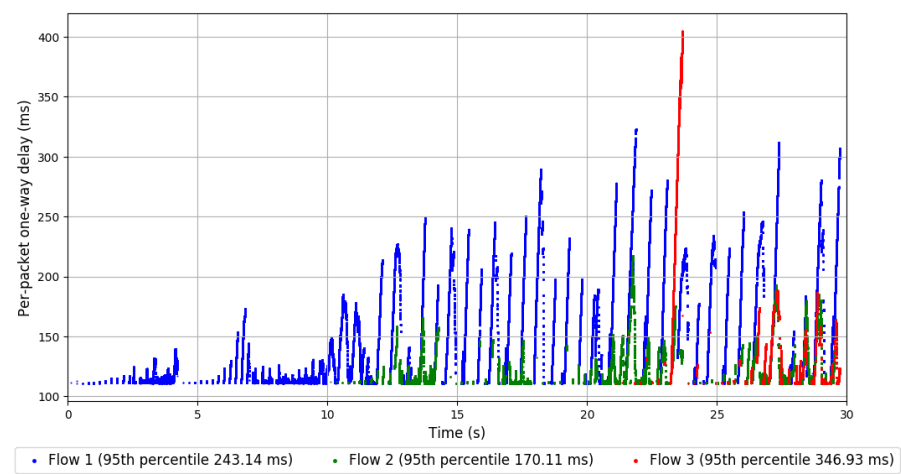
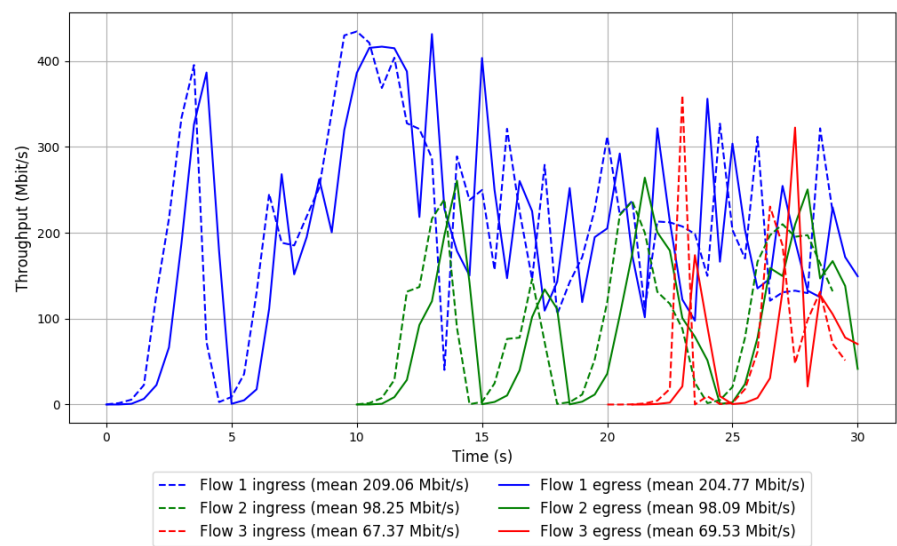
-- Flow 3:

Average throughput: 69.53 Mbit/s

95th percentile per-packet one-way delay: 346.928 ms

Loss rate: 7.42%

Run 4: Report of Verus — Data Link

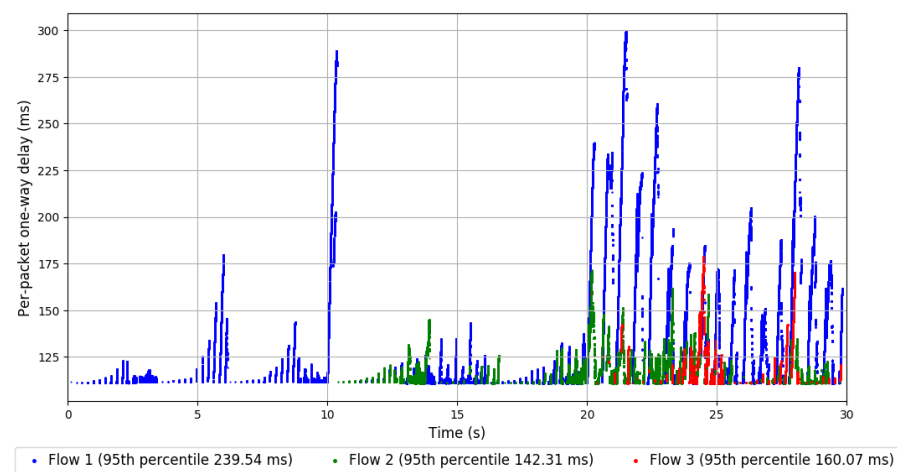
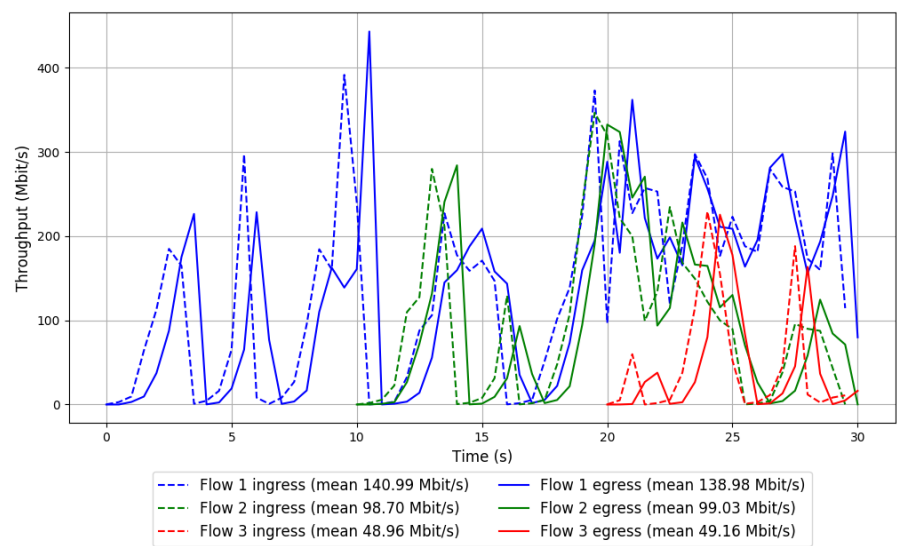


Run 5: Statistics of Verus

Start at: 2018-08-01 06:38:15
End at: 2018-08-01 06:38:45
Local clock offset: -1.206 ms
Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-08-01 11:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.09 Mbit/s
95th percentile per-packet one-way delay: 223.106 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 138.98 Mbit/s
95th percentile per-packet one-way delay: 239.544 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 99.03 Mbit/s
95th percentile per-packet one-way delay: 142.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 160.073 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-01 07:04:23

End at: 2018-08-01 07:04:53

Local clock offset: 0.985 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-08-01 11:25:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.54 Mbit/s

95th percentile per-packet one-way delay: 262.029 ms

Loss rate: 5.79%

-- Flow 1:

Average throughput: 209.99 Mbit/s

95th percentile per-packet one-way delay: 267.037 ms

Loss rate: 7.26%

-- Flow 2:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 147.881 ms

Loss rate: 1.13%

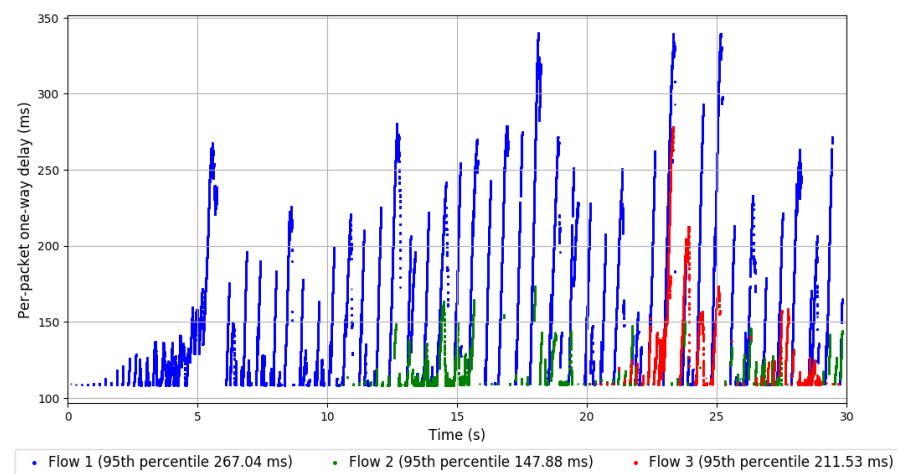
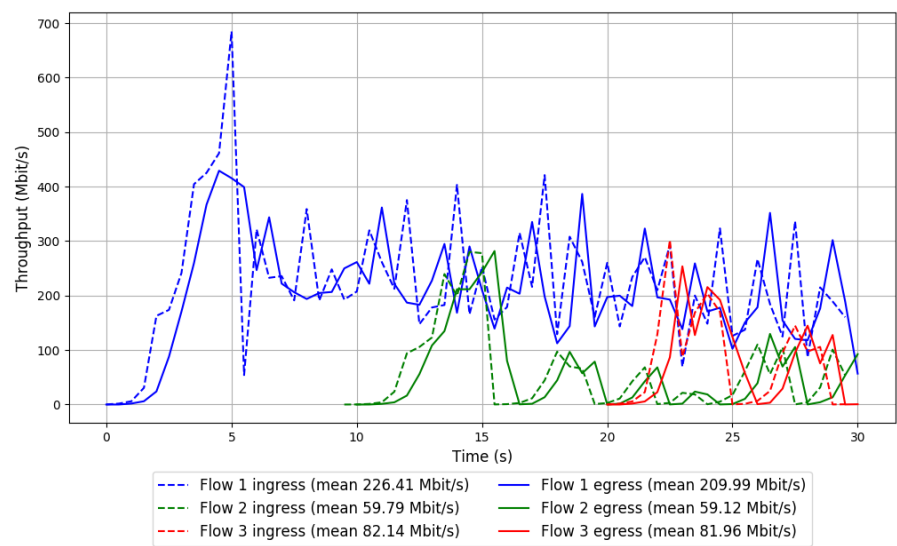
-- Flow 3:

Average throughput: 81.96 Mbit/s

95th percentile per-packet one-way delay: 211.526 ms

Loss rate: 0.23%

Run 6: Report of Verus — Data Link

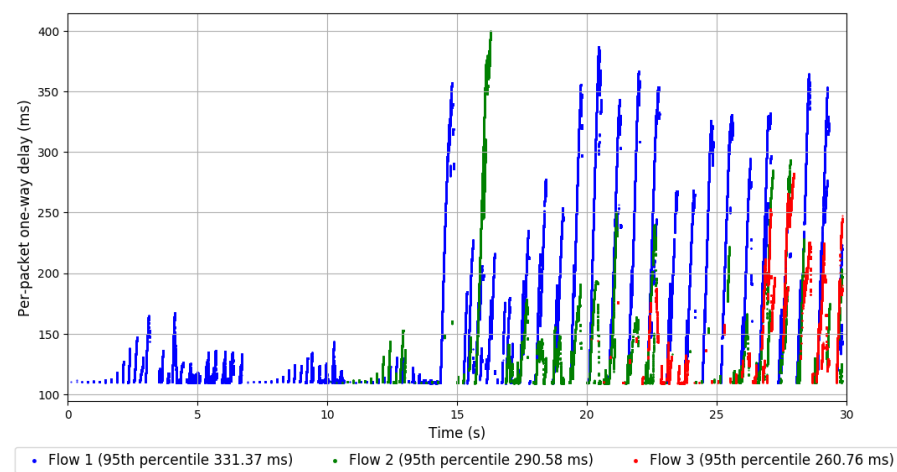
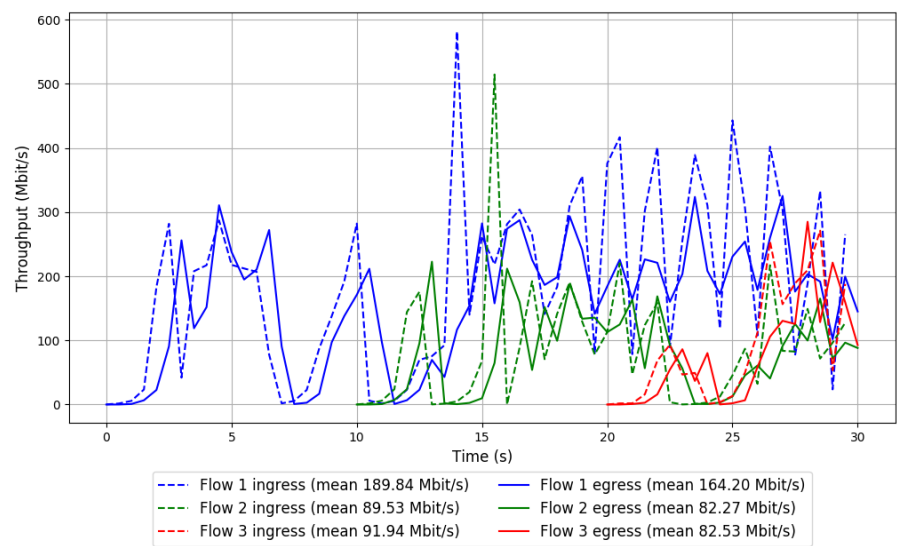


Run 7: Statistics of Verus

Start at: 2018-08-01 07:30:24
End at: 2018-08-01 07:30:54
Local clock offset: 0.038 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-01 11:25:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.57 Mbit/s
95th percentile per-packet one-way delay: 327.283 ms
Loss rate: 12.01%
-- Flow 1:
Average throughput: 164.20 Mbit/s
95th percentile per-packet one-way delay: 331.369 ms
Loss rate: 13.49%
-- Flow 2:
Average throughput: 82.27 Mbit/s
95th percentile per-packet one-way delay: 290.576 ms
Loss rate: 8.10%
-- Flow 3:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 260.761 ms
Loss rate: 10.39%

Run 7: Report of Verus — Data Link

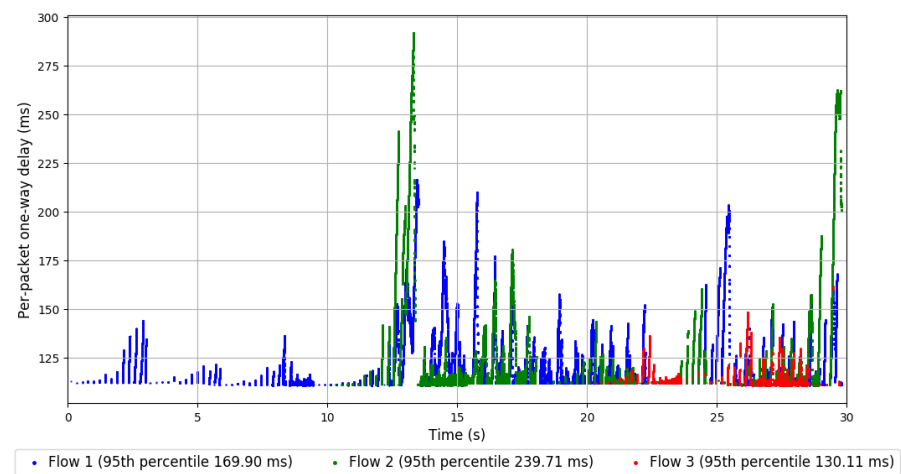
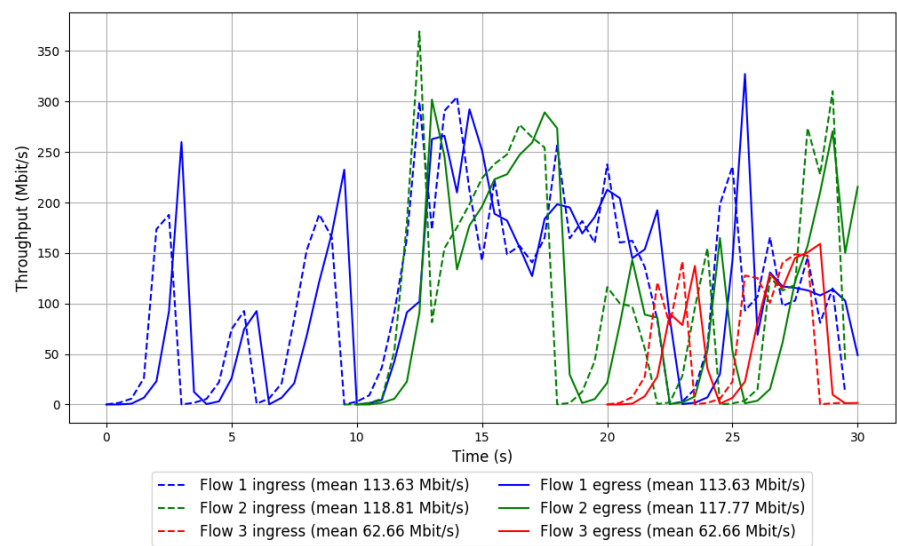


Run 8: Statistics of Verus

Start at: 2018-08-01 07:56:33
End at: 2018-08-01 07:57:03
Local clock offset: -0.673 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-08-01 11:25:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.06 Mbit/s
95th percentile per-packet one-way delay: 193.270 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 113.63 Mbit/s
95th percentile per-packet one-way delay: 169.903 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.77 Mbit/s
95th percentile per-packet one-way delay: 239.706 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 130.111 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

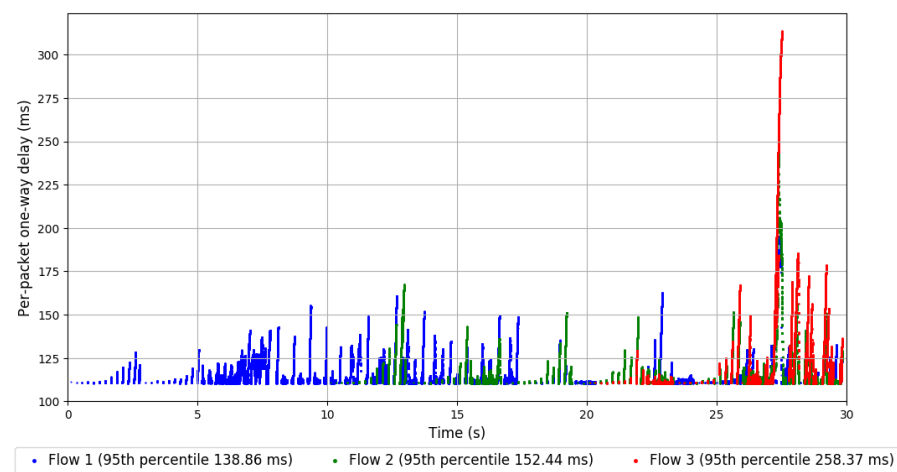
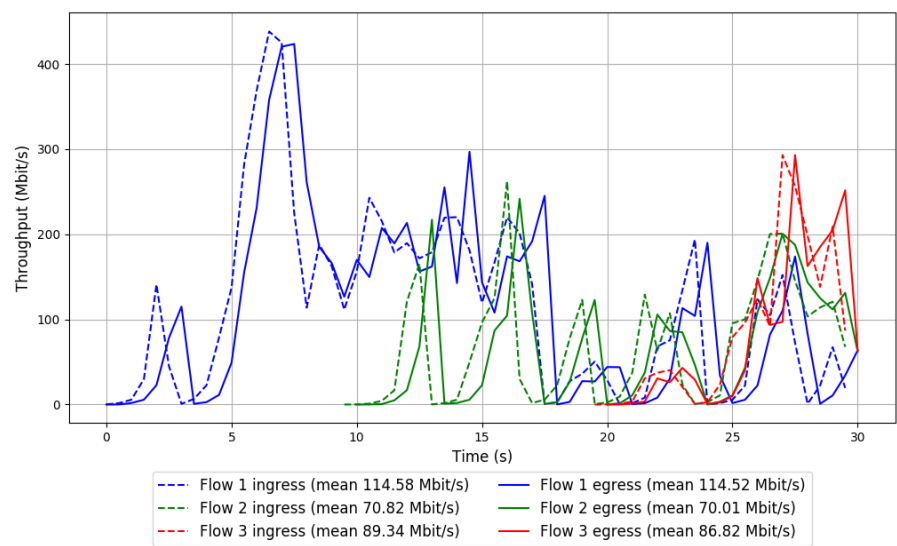


Run 9: Statistics of Verus

Start at: 2018-08-01 08:22:48
End at: 2018-08-01 08:23:18
Local clock offset: -0.219 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-08-01 11:25:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 189.33 Mbit/s
95th percentile per-packet one-way delay: 154.570 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 114.52 Mbit/s
95th percentile per-packet one-way delay: 138.862 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 70.01 Mbit/s
95th percentile per-packet one-way delay: 152.436 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 258.368 ms
Loss rate: 2.69%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-01 08:48:38

End at: 2018-08-01 08:49:08

Local clock offset: 0.266 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-08-01 11:27:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 253.24 Mbit/s

95th percentile per-packet one-way delay: 196.911 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 179.61 Mbit/s

95th percentile per-packet one-way delay: 207.423 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 96.99 Mbit/s

95th percentile per-packet one-way delay: 187.391 ms

Loss rate: 0.00%

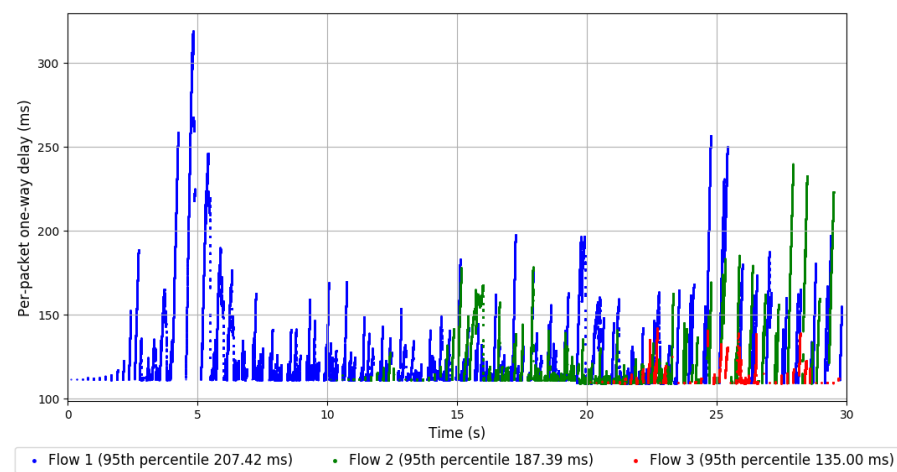
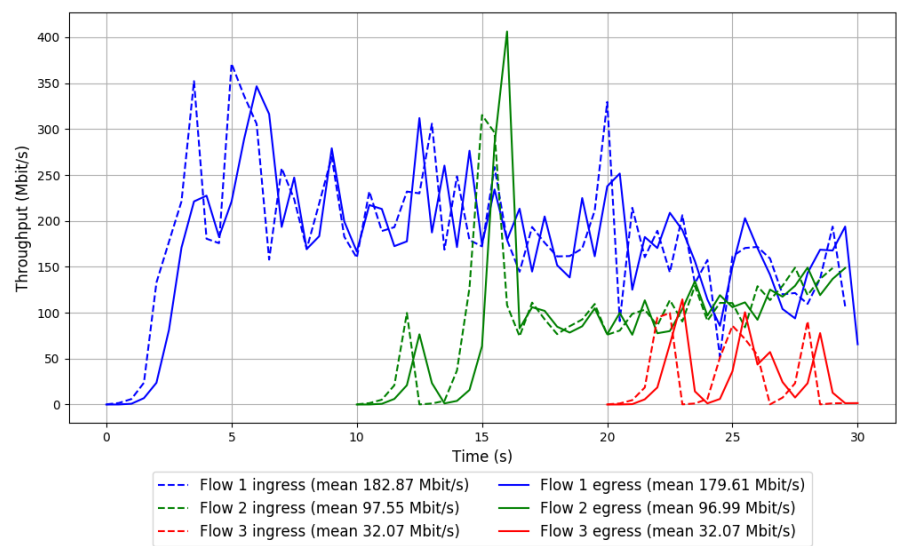
-- Flow 3:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 135.005 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link

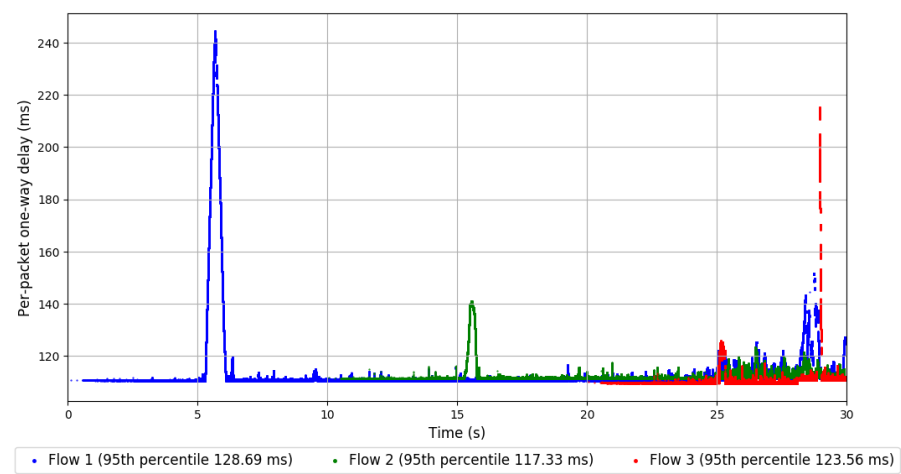
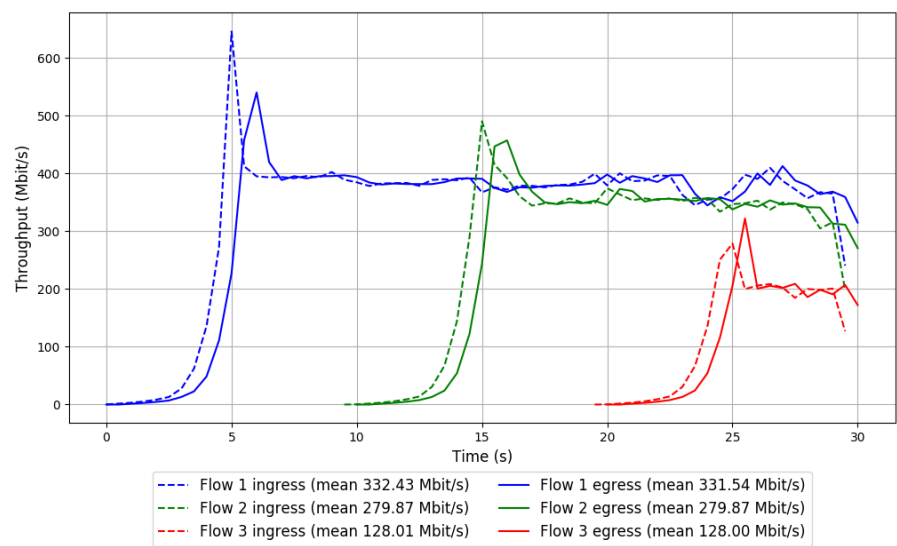


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 04:54:52
End at: 2018-08-01 04:55:22
Local clock offset: -0.434 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-08-01 11:33:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 560.39 Mbit/s
95th percentile per-packet one-way delay: 122.604 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 331.54 Mbit/s
95th percentile per-packet one-way delay: 128.688 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 279.87 Mbit/s
95th percentile per-packet one-way delay: 117.327 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.00 Mbit/s
95th percentile per-packet one-way delay: 123.558 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 05:21:36

End at: 2018-08-01 05:22:06

Local clock offset: -0.146 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-01 11:33:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.65 Mbit/s

95th percentile per-packet one-way delay: 154.840 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 234.19 Mbit/s

95th percentile per-packet one-way delay: 134.344 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 174.37 Mbit/s

95th percentile per-packet one-way delay: 189.152 ms

Loss rate: 0.36%

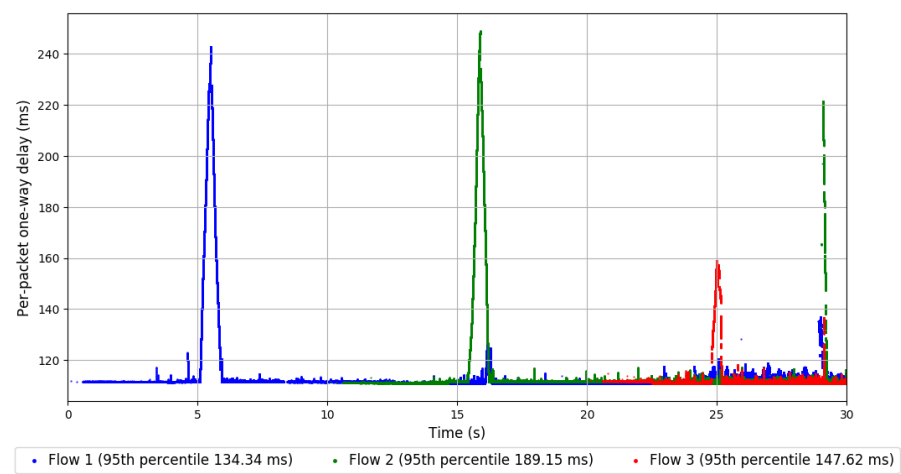
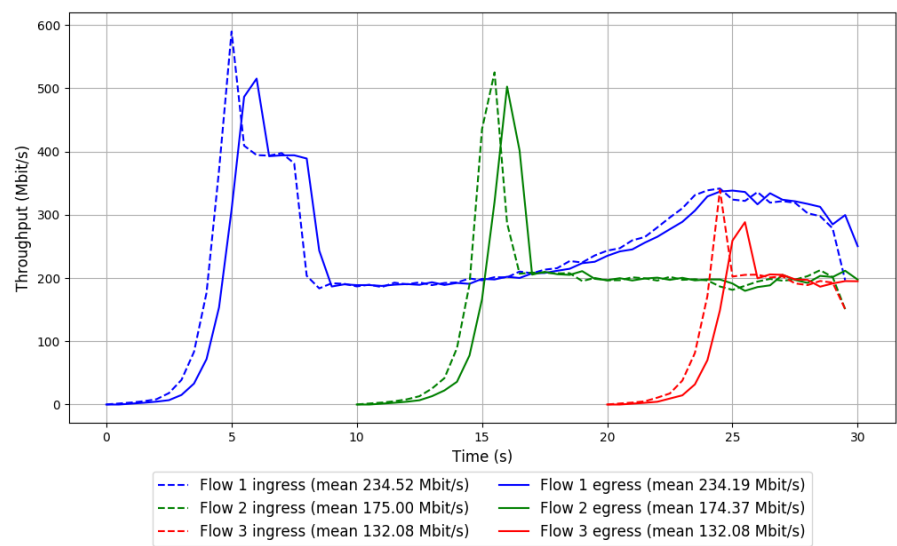
-- Flow 3:

Average throughput: 132.08 Mbit/s

95th percentile per-packet one-way delay: 147.615 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 05:48:12

End at: 2018-08-01 05:48:42

Local clock offset: 1.196 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-08-01 11:33:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 450.37 Mbit/s

95th percentile per-packet one-way delay: 219.273 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 281.29 Mbit/s

95th percentile per-packet one-way delay: 251.861 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 188.82 Mbit/s

95th percentile per-packet one-way delay: 110.672 ms

Loss rate: 0.00%

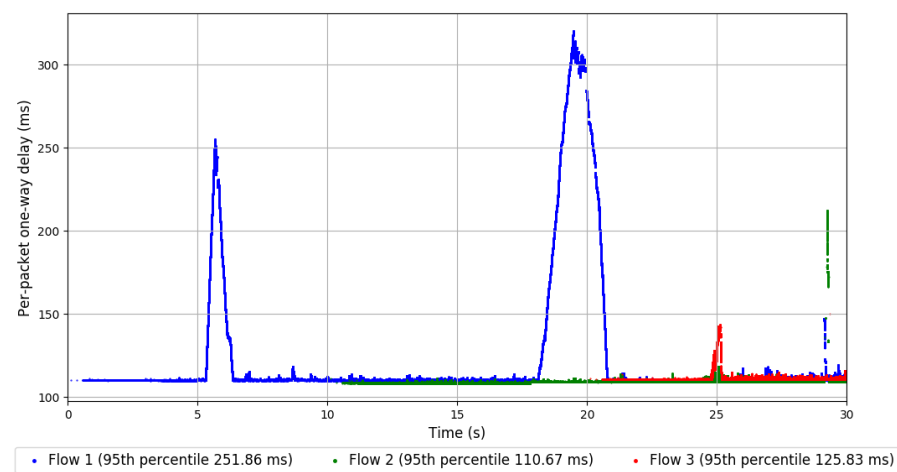
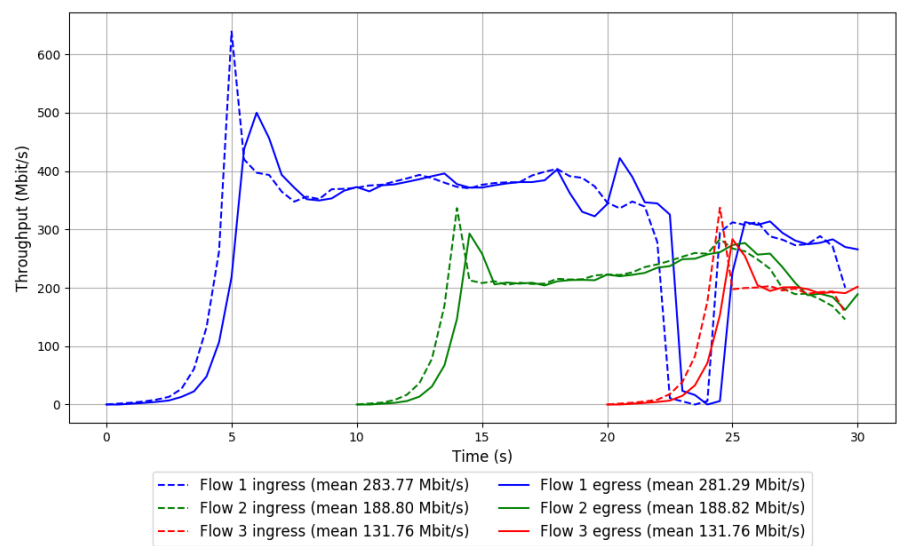
-- Flow 3:

Average throughput: 131.76 Mbit/s

95th percentile per-packet one-way delay: 125.833 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

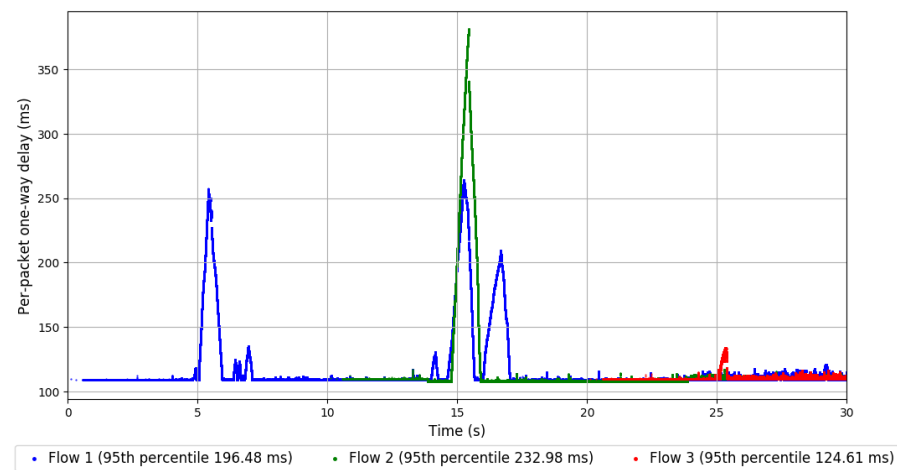
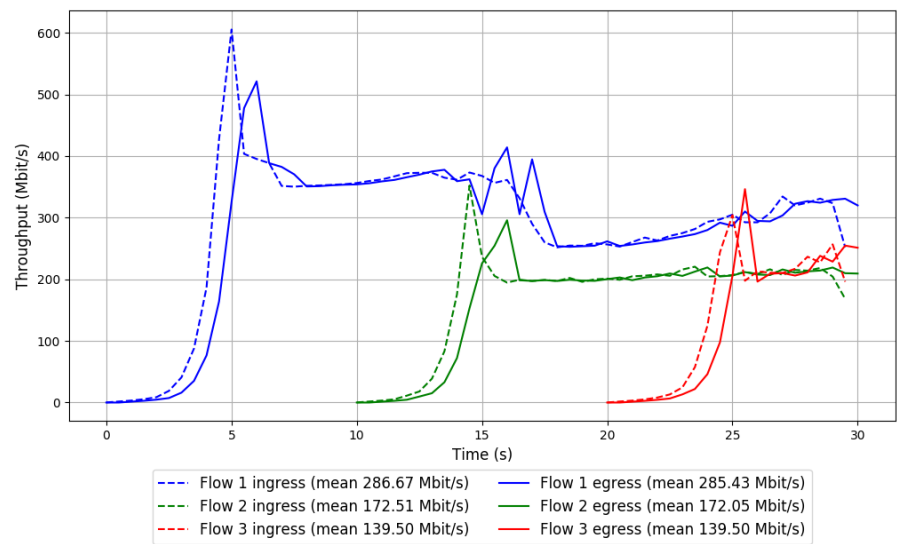


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 06:14:54
End at: 2018-08-01 06:15:24
Local clock offset: 1.252 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-01 11:33:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.87 Mbit/s
95th percentile per-packet one-way delay: 194.517 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 285.43 Mbit/s
95th percentile per-packet one-way delay: 196.482 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 172.05 Mbit/s
95th percentile per-packet one-way delay: 232.983 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 139.50 Mbit/s
95th percentile per-packet one-way delay: 124.607 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

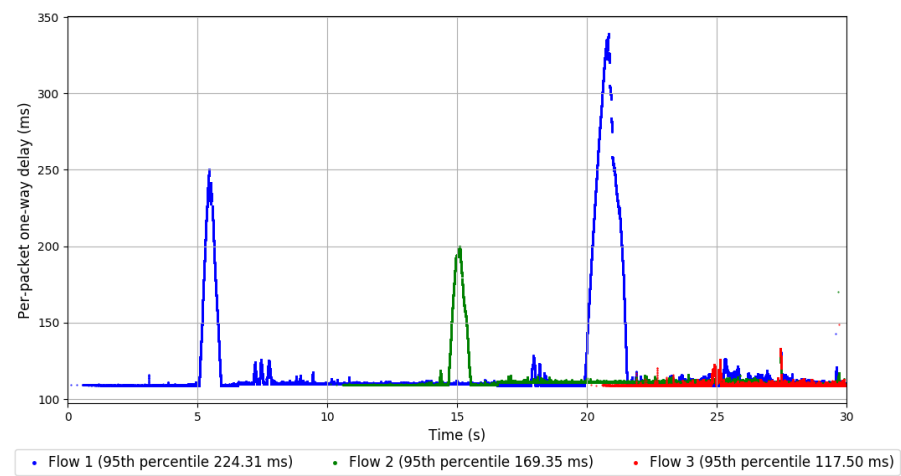
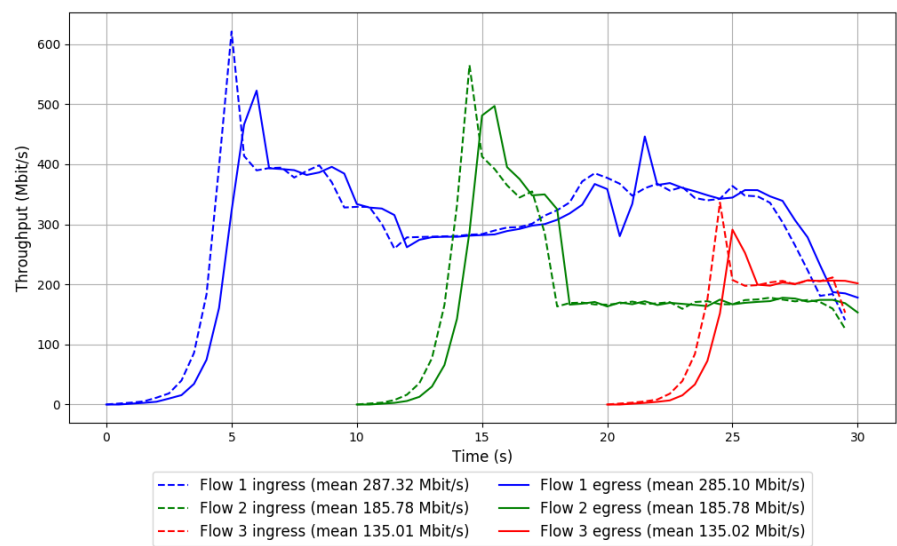


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 06:41:04
End at: 2018-08-01 06:41:34
Local clock offset: -0.049 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-08-01 11:33:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.09 Mbit/s
95th percentile per-packet one-way delay: 193.103 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 285.10 Mbit/s
95th percentile per-packet one-way delay: 224.310 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 185.78 Mbit/s
95th percentile per-packet one-way delay: 169.350 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.02 Mbit/s
95th percentile per-packet one-way delay: 117.504 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 07:07:16

End at: 2018-08-01 07:07:46

Local clock offset: -0.188 ms

Remote clock offset: 0.423 ms

Below is generated by plot.py at 2018-08-01 11:33:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.86 Mbit/s

95th percentile per-packet one-way delay: 299.004 ms

Loss rate: 1.93%

-- Flow 1:

Average throughput: 312.45 Mbit/s

95th percentile per-packet one-way delay: 332.737 ms

Loss rate: 2.98%

-- Flow 2:

Average throughput: 196.86 Mbit/s

95th percentile per-packet one-way delay: 112.375 ms

Loss rate: 0.00%

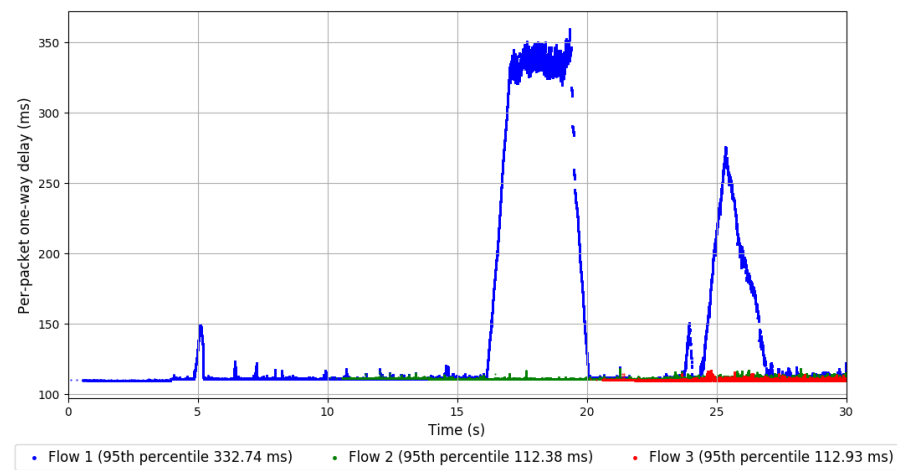
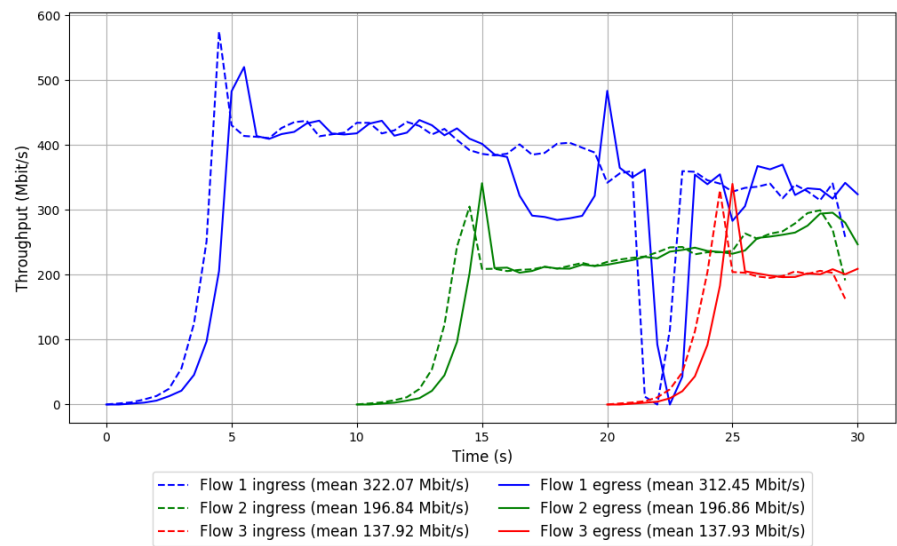
-- Flow 3:

Average throughput: 137.93 Mbit/s

95th percentile per-packet one-way delay: 112.932 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

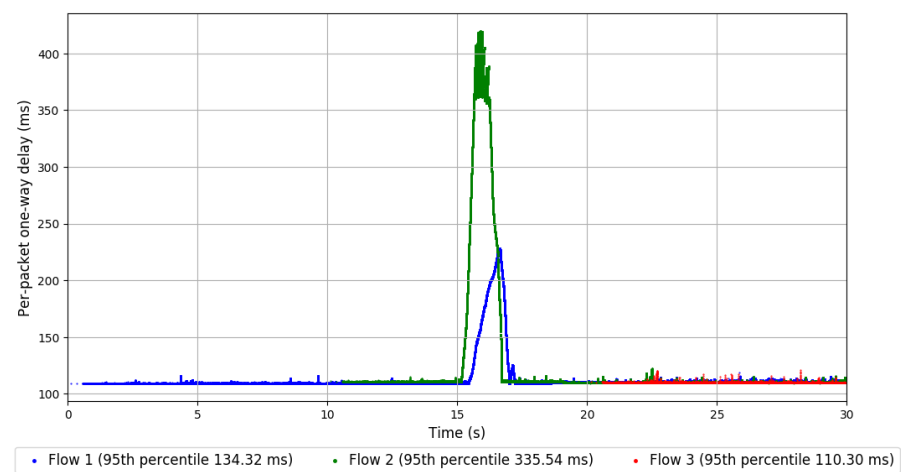
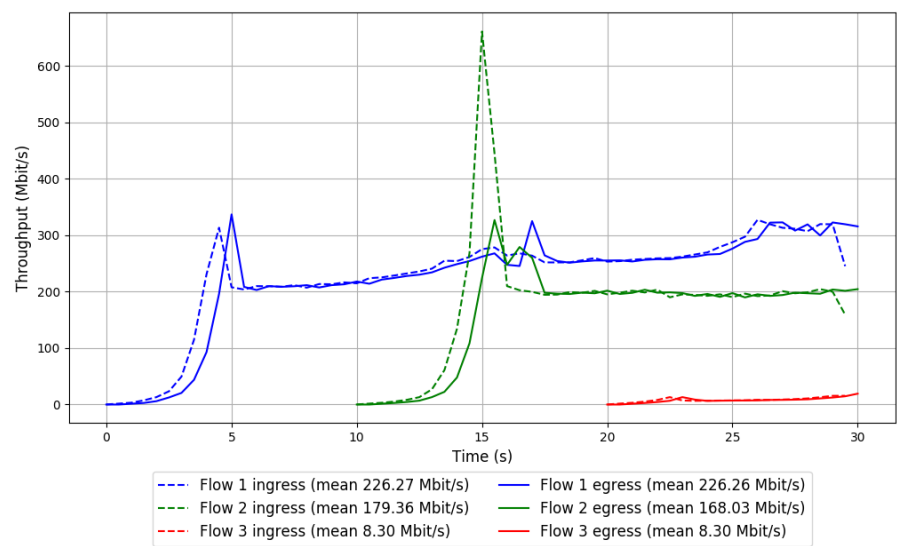


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 07:33:19
End at: 2018-08-01 07:33:49
Local clock offset: 0.105 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-08-01 11:33:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.73 Mbit/s
95th percentile per-packet one-way delay: 184.212 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 226.26 Mbit/s
95th percentile per-packet one-way delay: 134.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.03 Mbit/s
95th percentile per-packet one-way delay: 335.535 ms
Loss rate: 6.33%
-- Flow 3:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 110.303 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

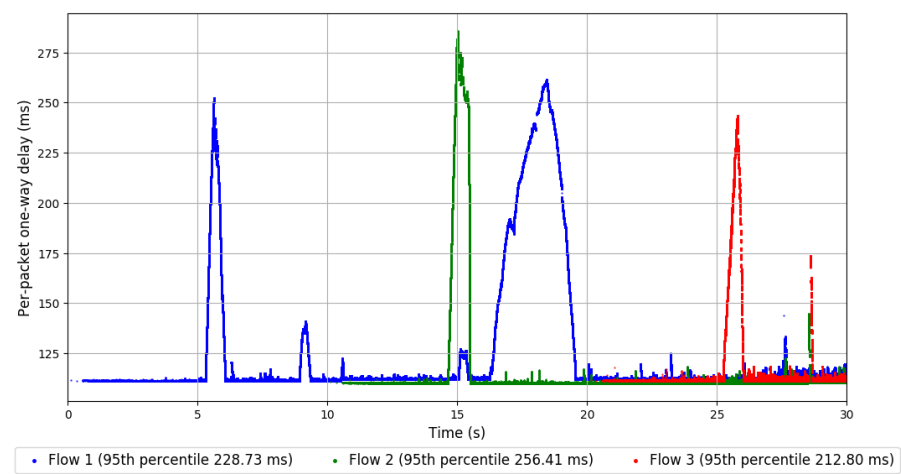
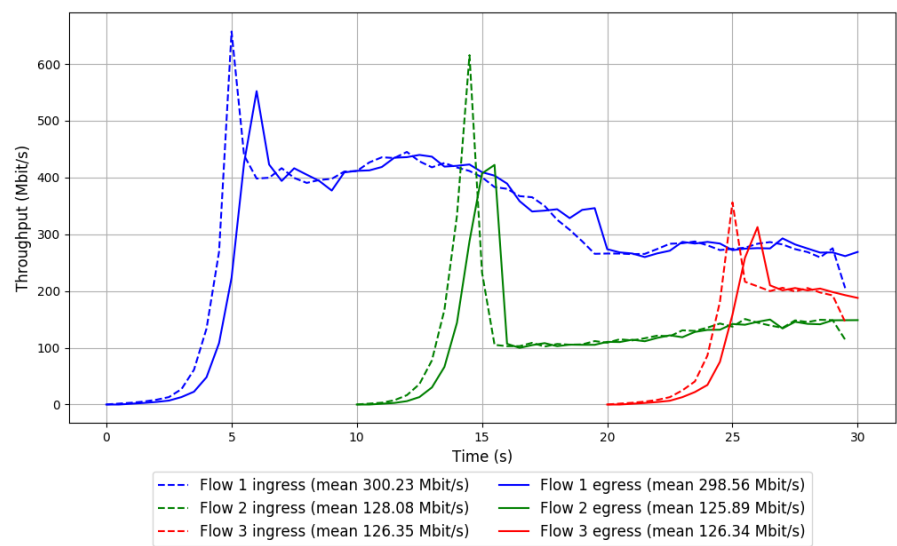


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 07:59:20
End at: 2018-08-01 07:59:50
Local clock offset: -0.09 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-08-01 11:33:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.92 Mbit/s
95th percentile per-packet one-way delay: 232.975 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 298.56 Mbit/s
95th percentile per-packet one-way delay: 228.727 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 125.89 Mbit/s
95th percentile per-packet one-way delay: 256.412 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 126.34 Mbit/s
95th percentile per-packet one-way delay: 212.803 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

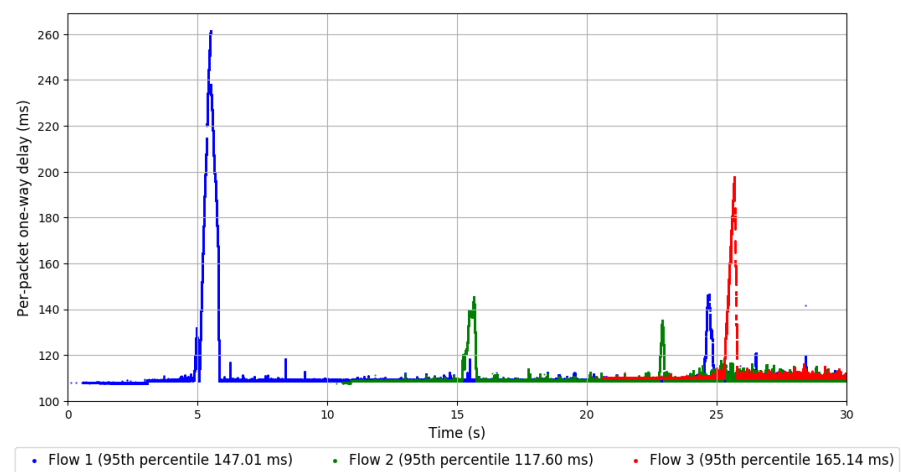
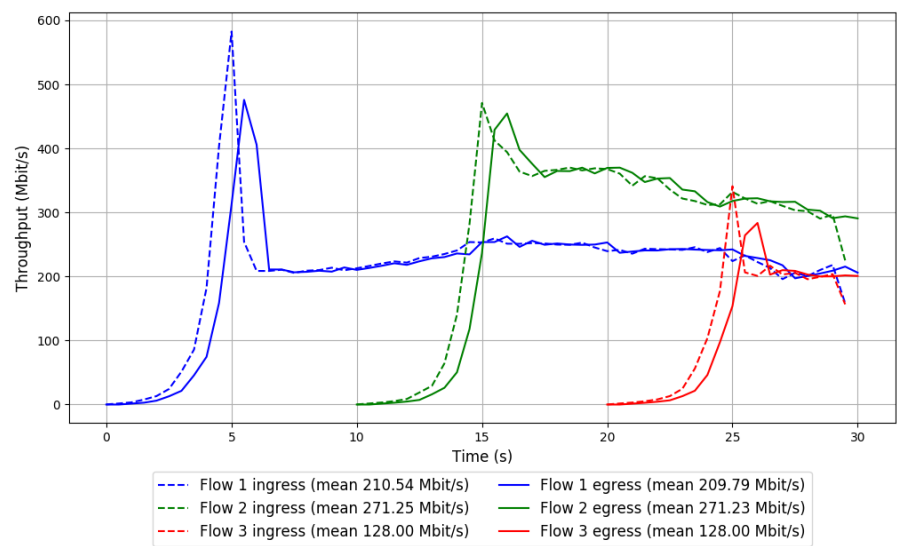


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 08:25:37
End at: 2018-08-01 08:26:07
Local clock offset: 1.52 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-01 11:34:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.37 Mbit/s
95th percentile per-packet one-way delay: 131.518 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 209.79 Mbit/s
95th percentile per-packet one-way delay: 147.009 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 271.23 Mbit/s
95th percentile per-packet one-way delay: 117.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.00 Mbit/s
95th percentile per-packet one-way delay: 165.142 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

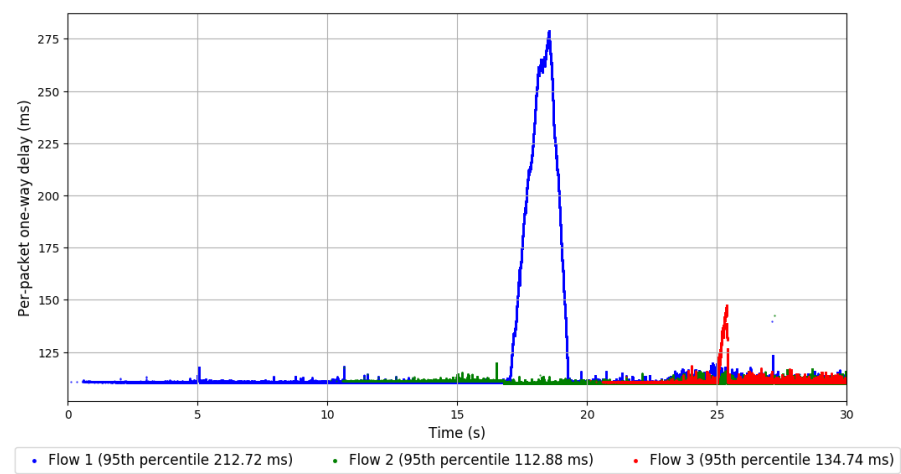
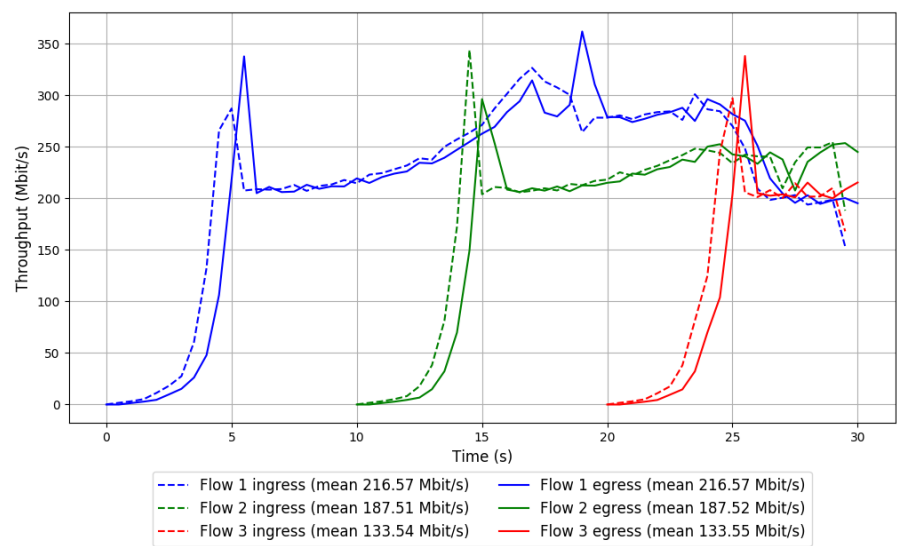


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 08:51:31
End at: 2018-08-01 08:52:01
Local clock offset: 0.109 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-08-01 11:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.34 Mbit/s
95th percentile per-packet one-way delay: 146.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.57 Mbit/s
95th percentile per-packet one-way delay: 212.718 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.52 Mbit/s
95th percentile per-packet one-way delay: 112.882 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.55 Mbit/s
95th percentile per-packet one-way delay: 134.736 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-01 04:50:44

End at: 2018-08-01 04:51:14

Local clock offset: -0.073 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-08-01 11:34:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 111.556 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 111.554 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 111.762 ms

Loss rate: 0.03%

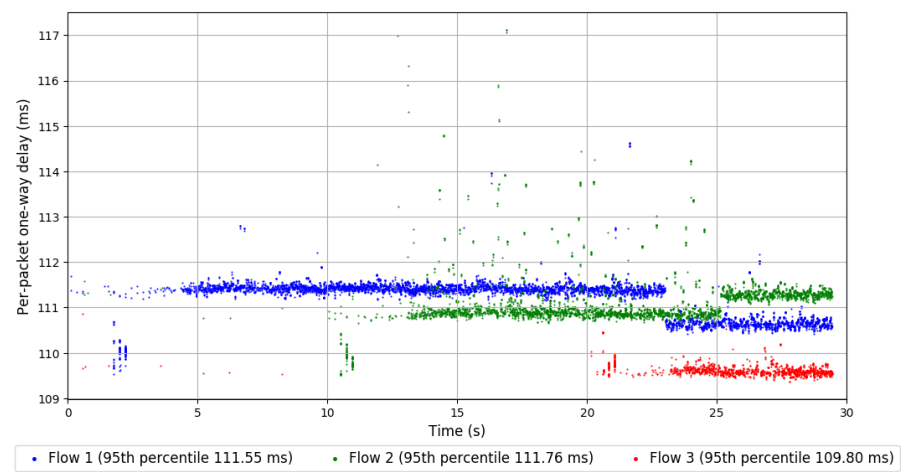
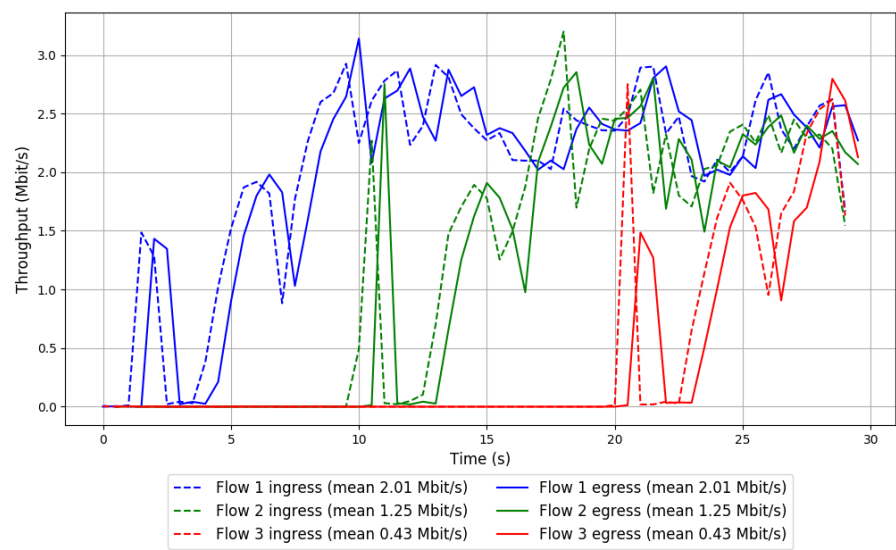
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 109.801 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

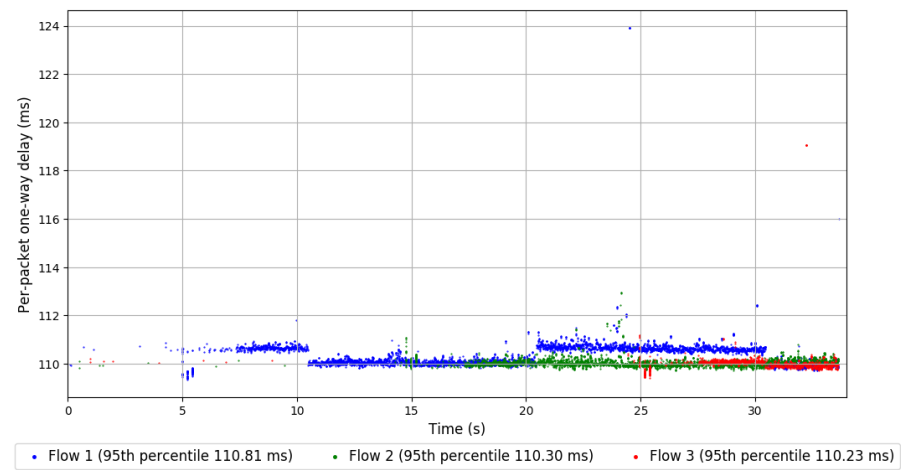
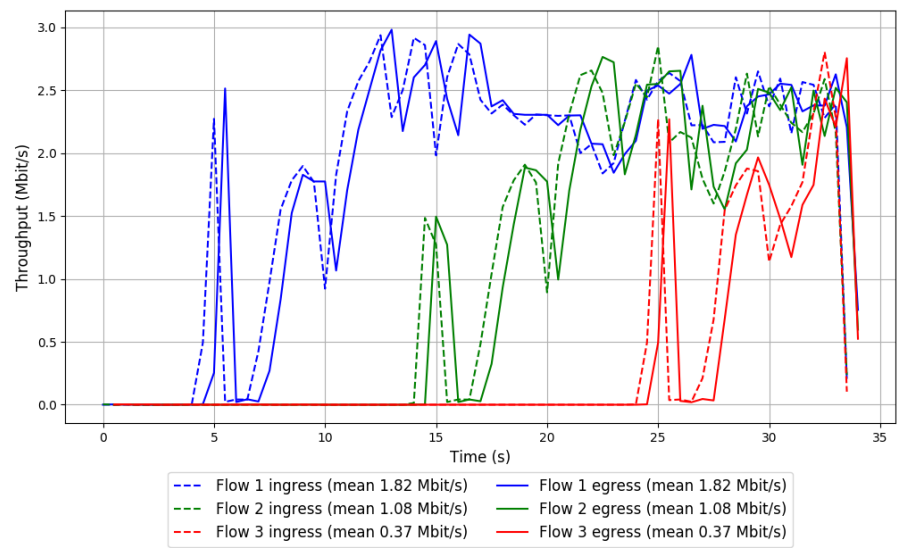


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 05:17:31
End at: 2018-08-01 05:18:01
Local clock offset: 1.05 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-01 11:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 110.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 110.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 110.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 110.227 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

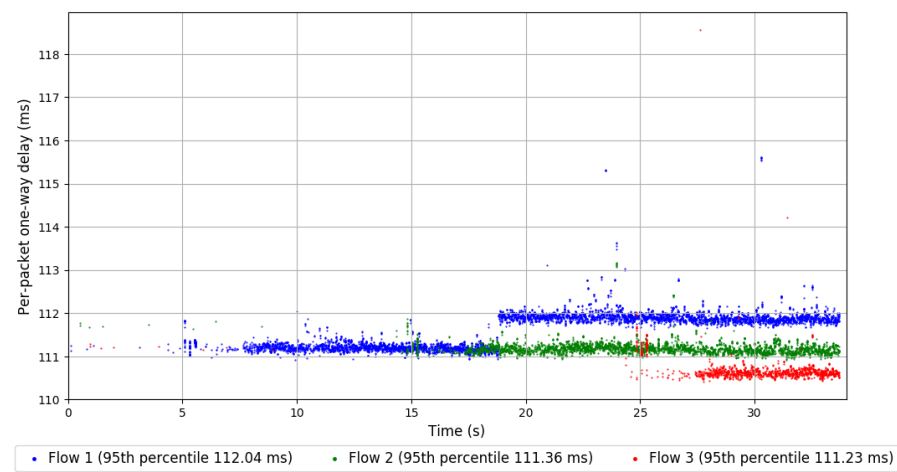
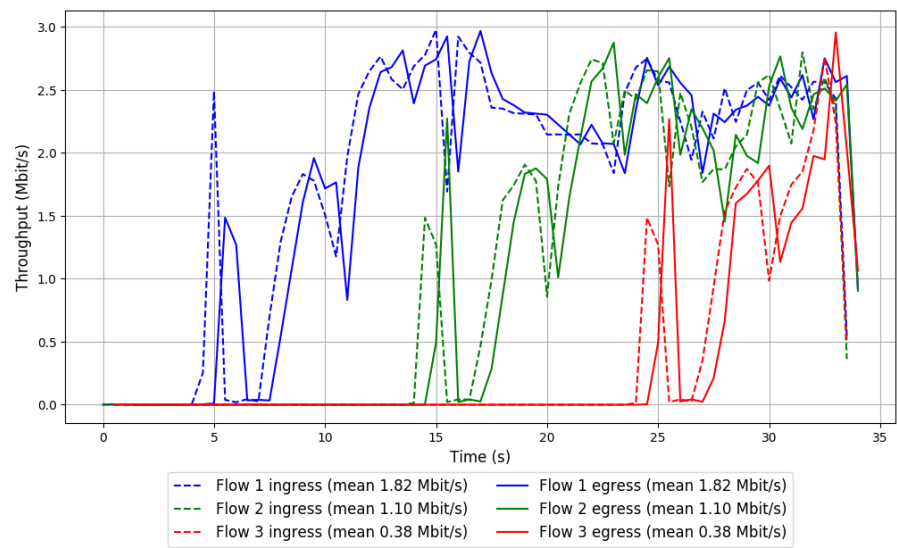


Run 3: Statistics of WebRTC media

Start at: 2018-08-01 05:44:03
End at: 2018-08-01 05:44:33
Local clock offset: -0.197 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-01 11:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 111.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 112.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 111.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 111.231 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

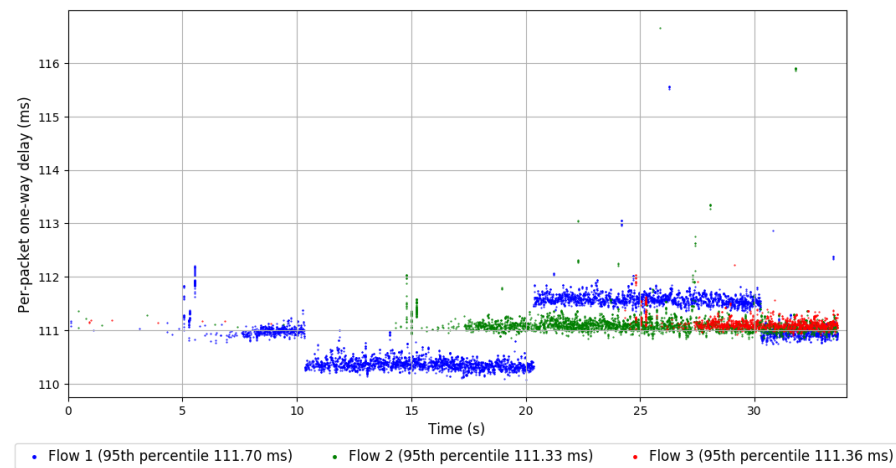
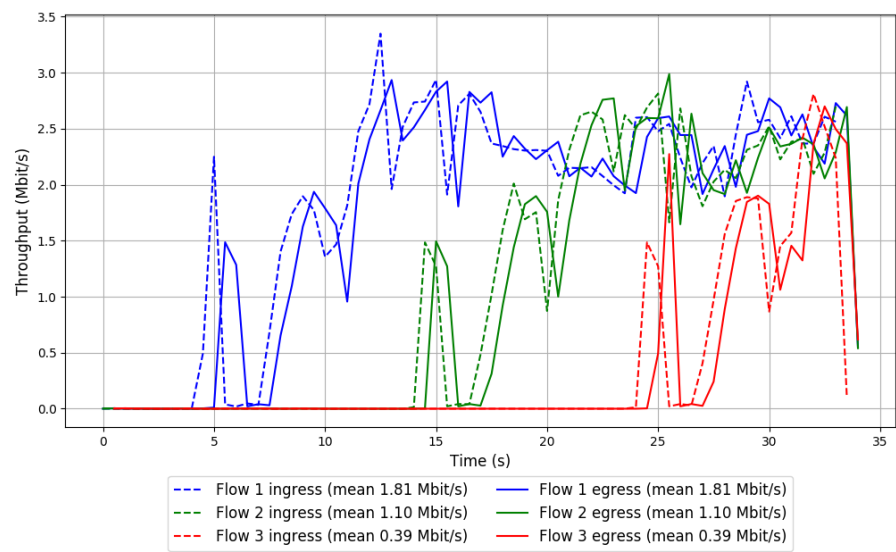


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 06:10:43
End at: 2018-08-01 06:11:14
Local clock offset: -0.109 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-01 11:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 111.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 111.702 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 111.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 111.358 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-01 06:37:02

End at: 2018-08-01 06:37:32

Local clock offset: -0.114 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-08-01 11:34:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 112.120 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 112.072 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 112.162 ms

Loss rate: 0.00%

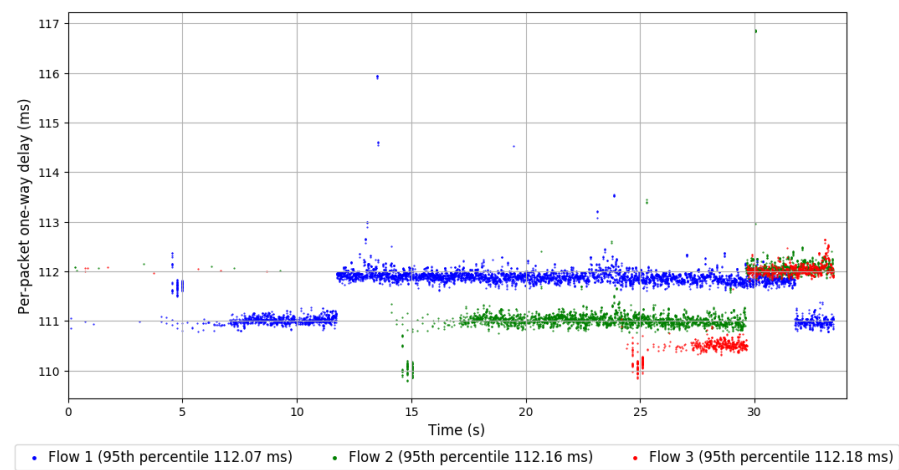
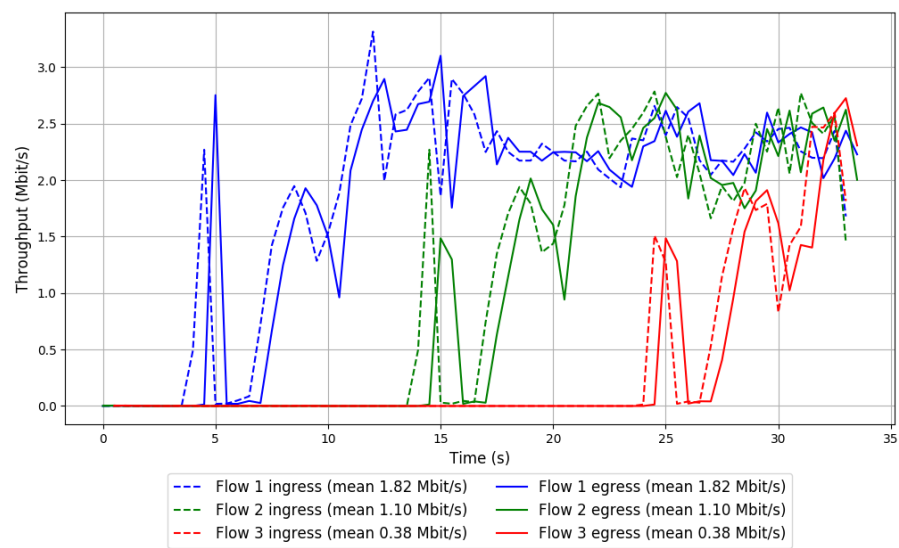
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 112.178 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-01 07:03:10

End at: 2018-08-01 07:03:40

Local clock offset: -0.253 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-08-01 11:34:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 113.046 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 112.396 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 113.142 ms

Loss rate: 0.00%

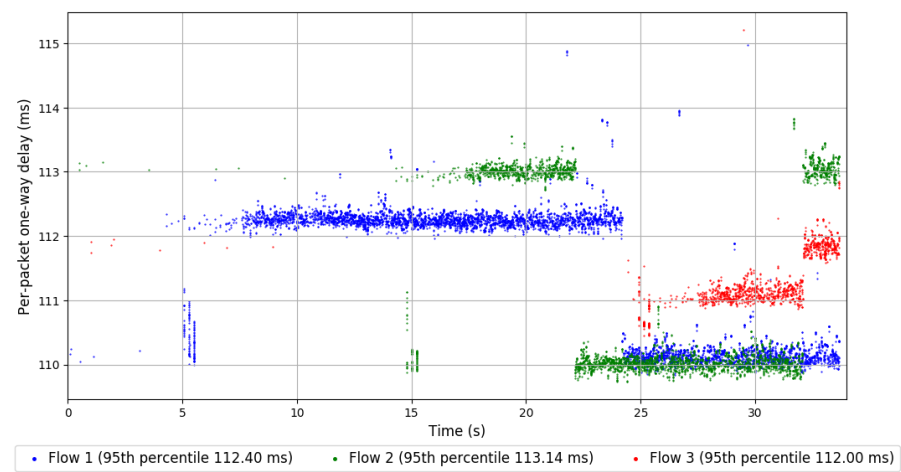
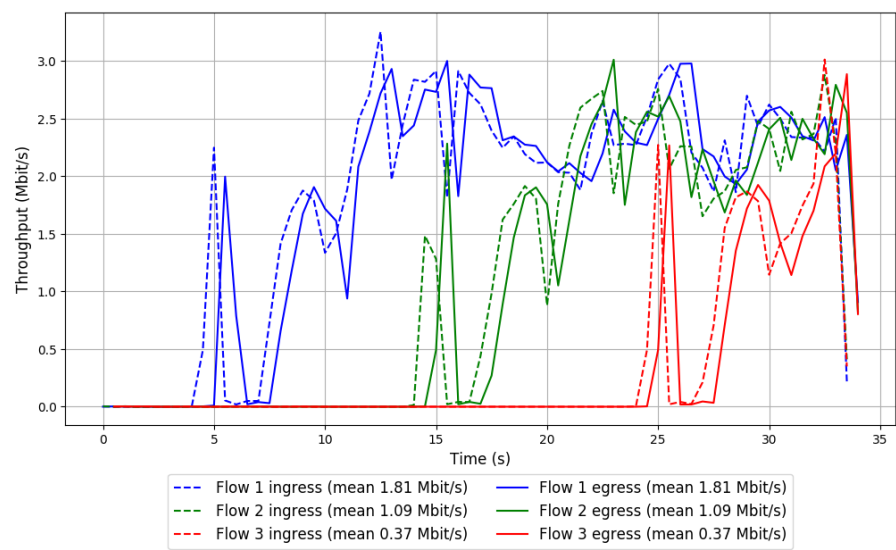
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 111.998 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

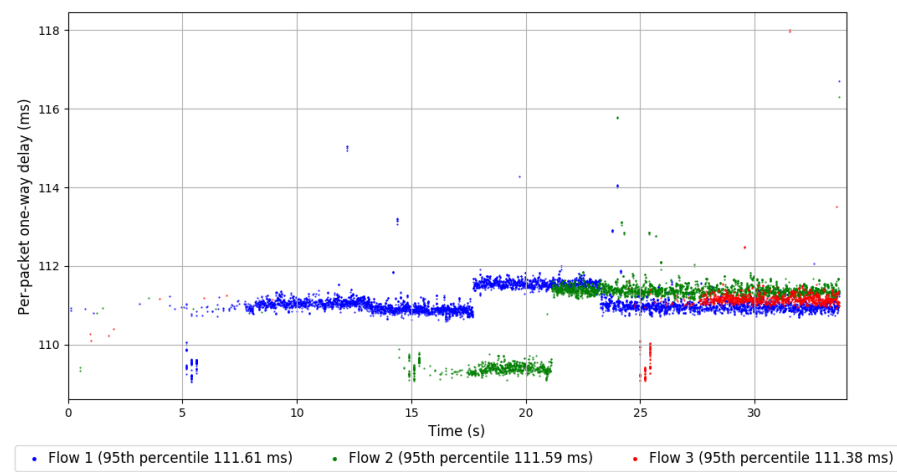
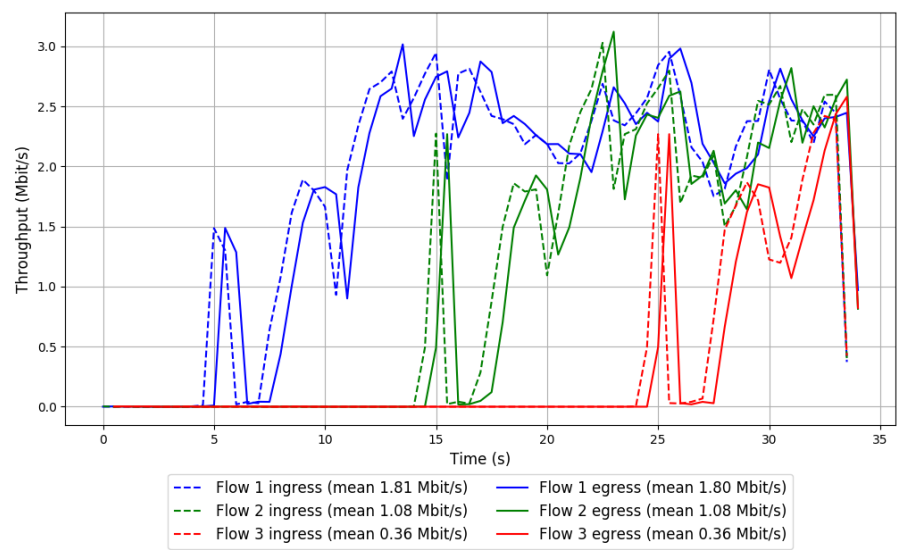


Run 7: Statistics of WebRTC media

Start at: 2018-08-01 07:29:11
End at: 2018-08-01 07:29:41
Local clock offset: -0.158 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-08-01 11:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 111.599 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 111.614 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 111.592 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 111.375 ms
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link

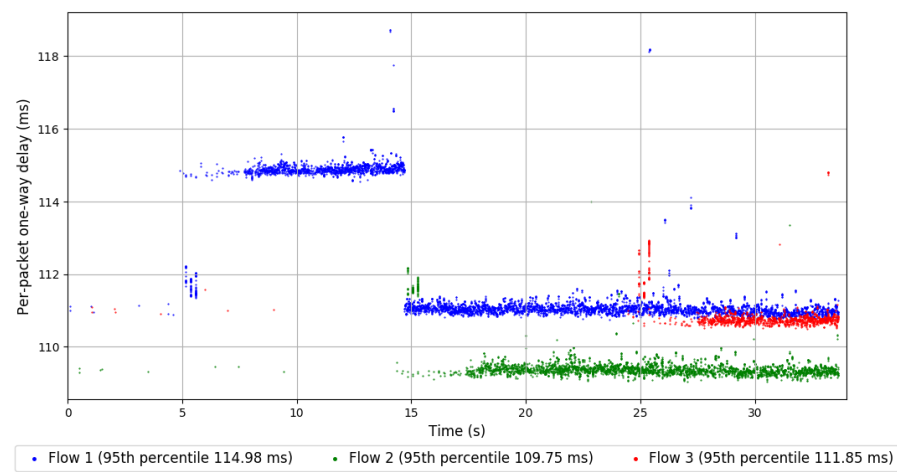
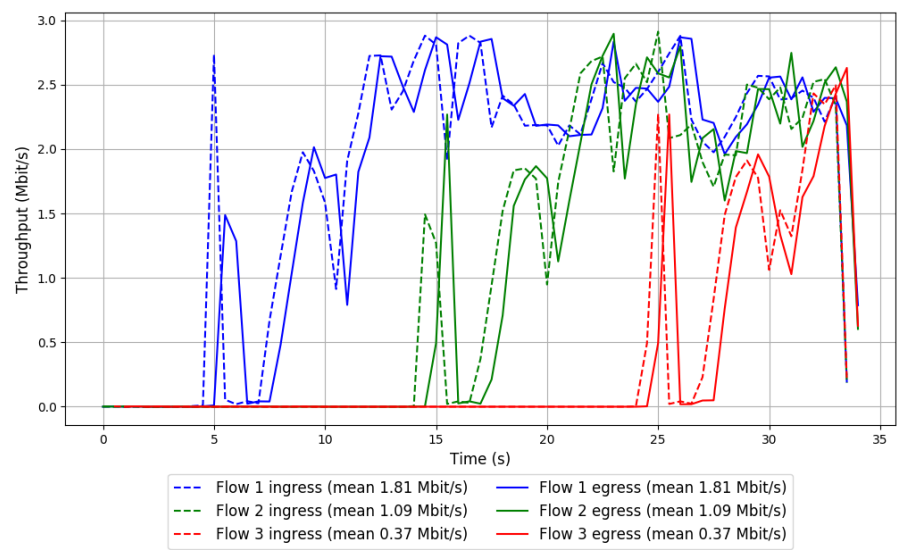


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 07:55:19
End at: 2018-08-01 07:55:49
Local clock offset: -0.169 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-08-01 11:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 114.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 114.977 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 109.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 111.849 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

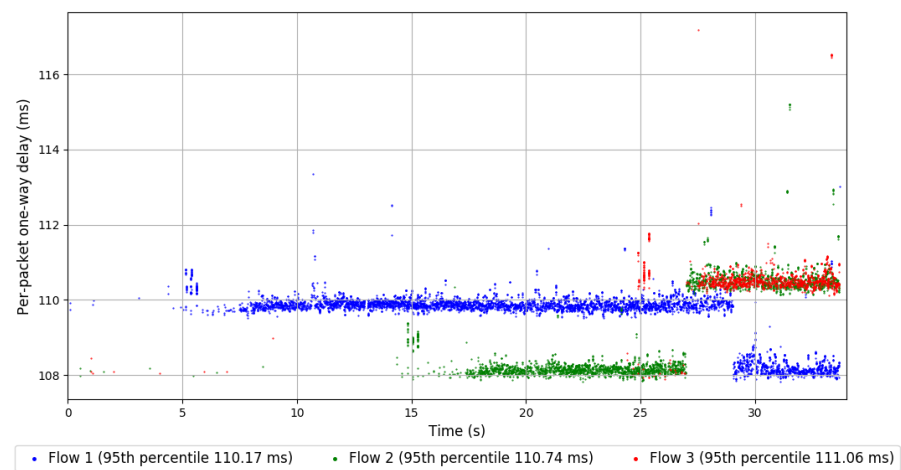
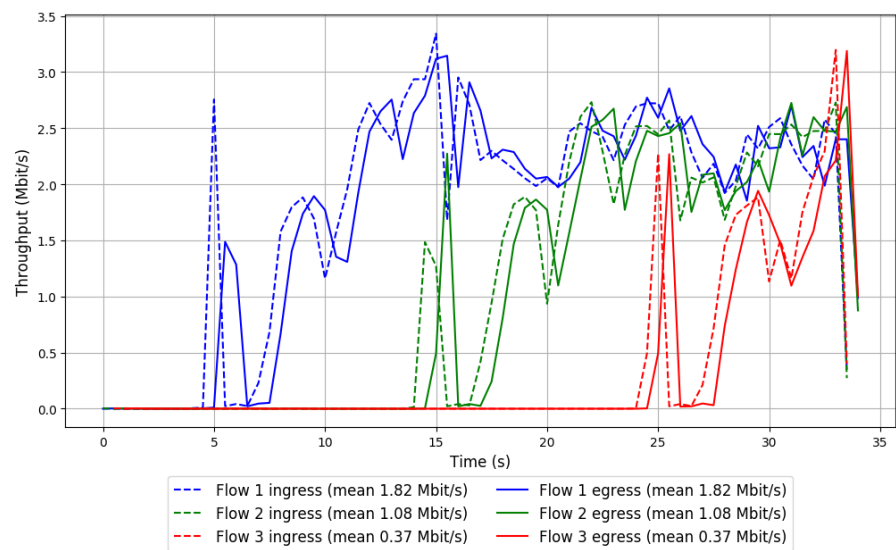


Run 9: Statistics of WebRTC media

Start at: 2018-08-01 08:21:35
End at: 2018-08-01 08:22:05
Local clock offset: 1.445 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-01 11:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 110.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 110.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 110.744 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 111.064 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 08:47:25

End at: 2018-08-01 08:47:55

Local clock offset: 0.159 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2018-08-01 11:34:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 113.268 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.86 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 112.514 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 112.054 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

