

Pantheon Report

Generated at 2018-07-25 22:37:59 (UTC).

Data path: GCE Sydney 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.

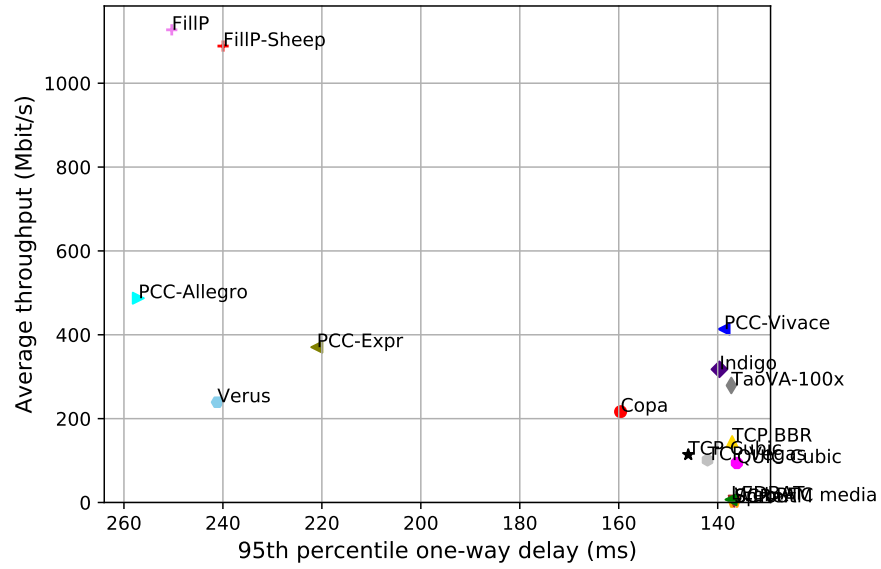
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

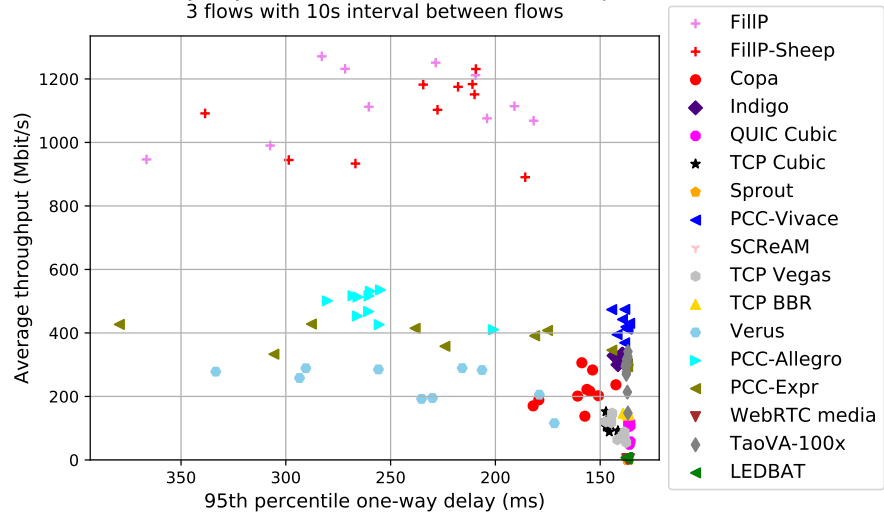
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	74.73	72.75	66.68	136.89	137.31	137.48	0.00	0.00	0.00
Copa	10	125.91	88.40	96.47	157.48	161.56	162.68	0.04	0.01	0.02
TCP Cubic	10	72.67	43.79	36.88	145.78	145.71	147.35	0.02	0.01	0.59
FillP	10	574.99	588.52	485.73	267.00	227.29	167.42	1.89	1.15	0.81
FillP-Sheep	10	608.38	516.86	412.24	244.36	234.34	156.73	1.81	0.89	0.13
Indigo	10	164.28	162.42	142.88	138.61	140.18	143.17	0.00	0.00	0.00
LEDBAT	10	4.33	3.18	1.56	137.32	137.22	136.95	0.00	0.00	0.00
PCC-Allegro	10	405.13	102.40	42.65	256.86	256.57	256.50	2.04	2.04	2.60
PCC-Expr	10	251.63	154.38	48.84	221.67	208.23	182.29	2.69	1.92	1.67
QUIC Cubic	10	40.73	58.87	45.13	136.00	135.79	135.60	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	136.48	136.49	136.47	0.00	0.00	0.00
Sprout	10	0.16	0.17	0.21	136.62	136.67	136.65	0.00	0.00	0.00
TaoVA-100x	10	172.87	137.80	55.11	137.06	137.79	137.62	0.00	0.00	0.00
TCP Vegas	10	60.46	40.99	40.92	141.93	141.17	143.41	0.00	0.00	0.07
Verus	10	169.32	81.14	53.02	237.29	214.44	232.49	0.94	0.96	2.83
PCC-Vivace	10	250.14	186.11	119.96	142.58	144.14	140.58	0.04	0.03	0.00
WebRTC media	10	1.83	1.06	0.36	136.46	136.25	136.56	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 15:06:12

End at: 2018-07-25 15:06:42

Local clock offset: -0.221 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-25 19:47:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 145.78 Mbit/s

95th percentile per-packet one-way delay: 136.534 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.91 Mbit/s

95th percentile per-packet one-way delay: 136.492 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.12 Mbit/s

95th percentile per-packet one-way delay: 136.523 ms

Loss rate: 0.00%

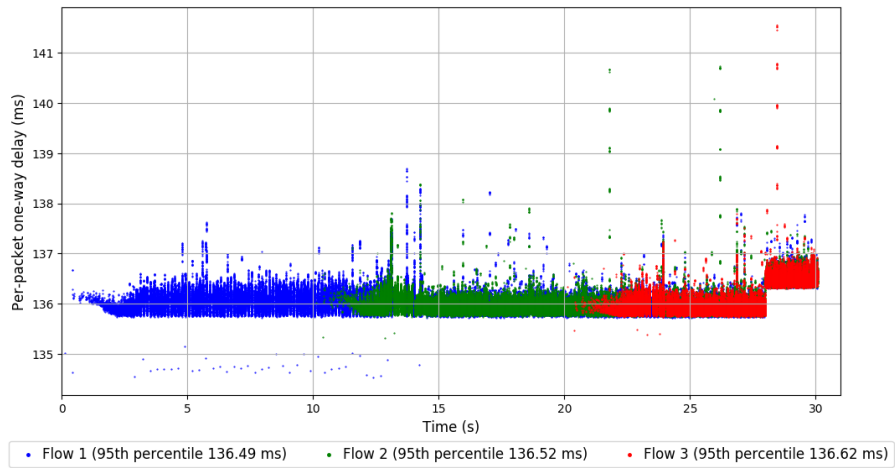
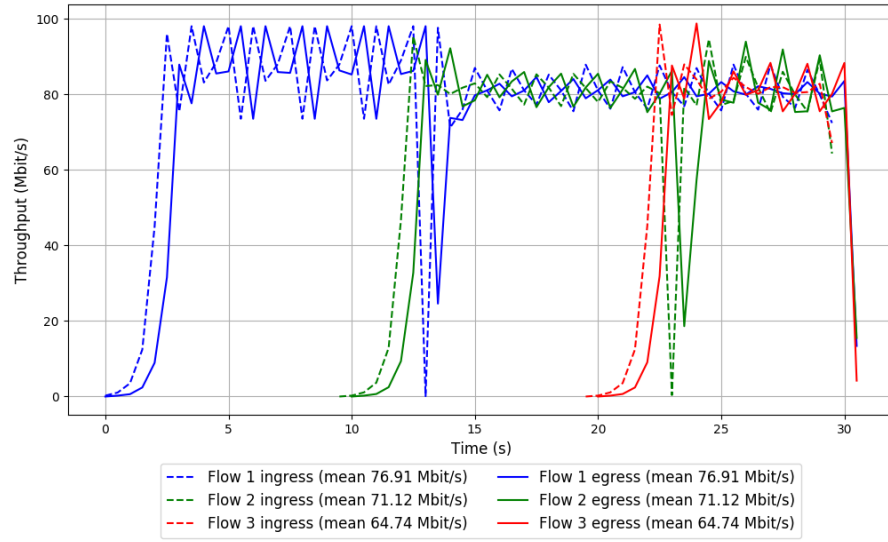
-- Flow 3:

Average throughput: 64.74 Mbit/s

95th percentile per-packet one-way delay: 136.622 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 15:33:15

End at: 2018-07-25 15:33:45

Local clock offset: -0.054 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2018-07-25 19:47:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.22 Mbit/s

95th percentile per-packet one-way delay: 136.719 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 74.32 Mbit/s

95th percentile per-packet one-way delay: 136.681 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 136.689 ms

Loss rate: 0.00%

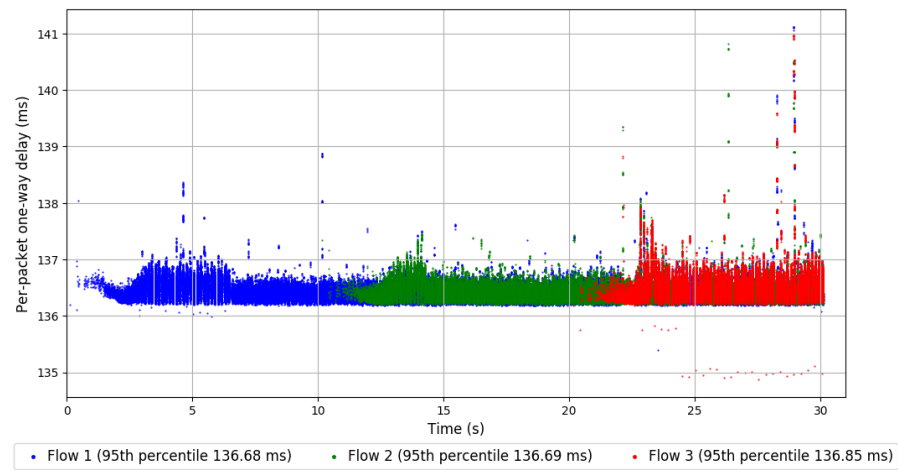
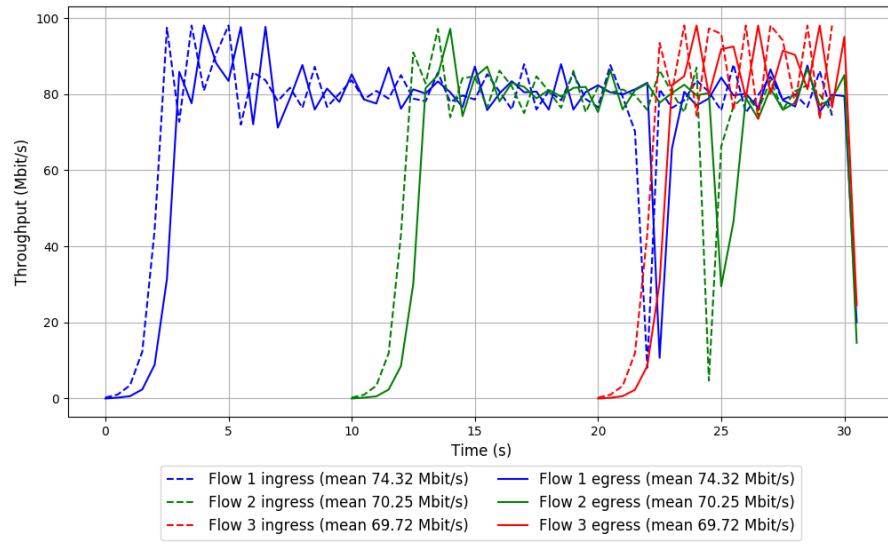
-- Flow 3:

Average throughput: 69.72 Mbit/s

95th percentile per-packet one-way delay: 136.851 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-25 15:59:47

End at: 2018-07-25 16:00:17

Local clock offset: -0.023 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-07-25 19:47:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.20 Mbit/s

95th percentile per-packet one-way delay: 137.105 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 73.80 Mbit/s

95th percentile per-packet one-way delay: 137.087 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.64 Mbit/s

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

Loss rate: 0.00%

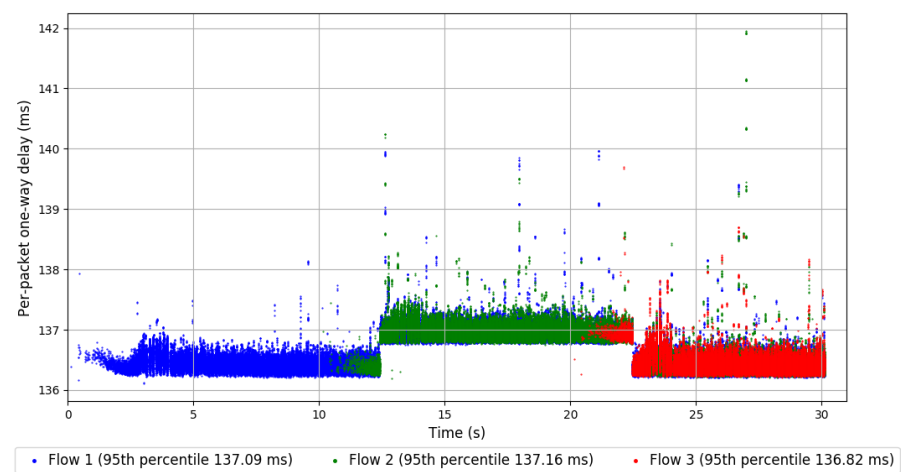
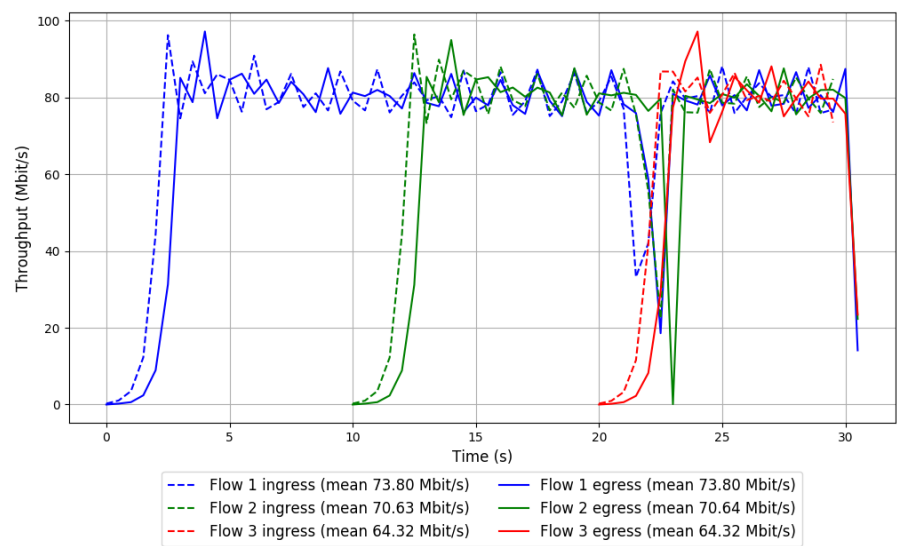
-- Flow 3:

Average throughput: 64.32 Mbit/s

95th percentile per-packet one-way delay: 136.823 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

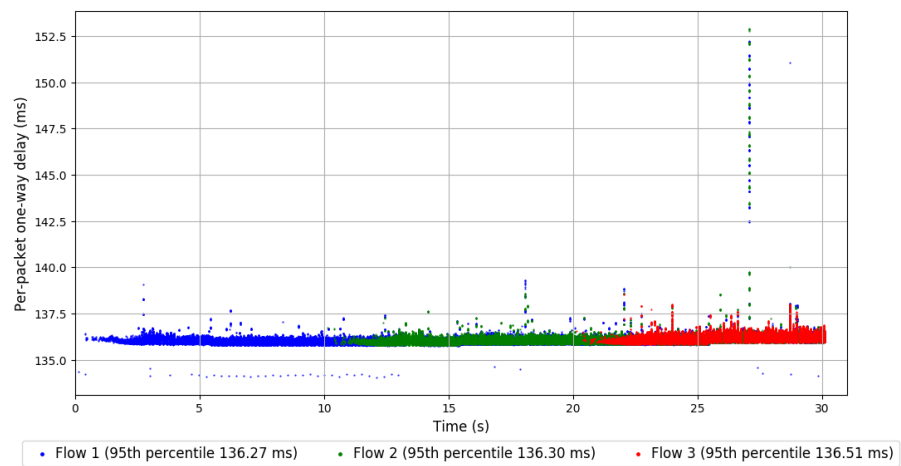
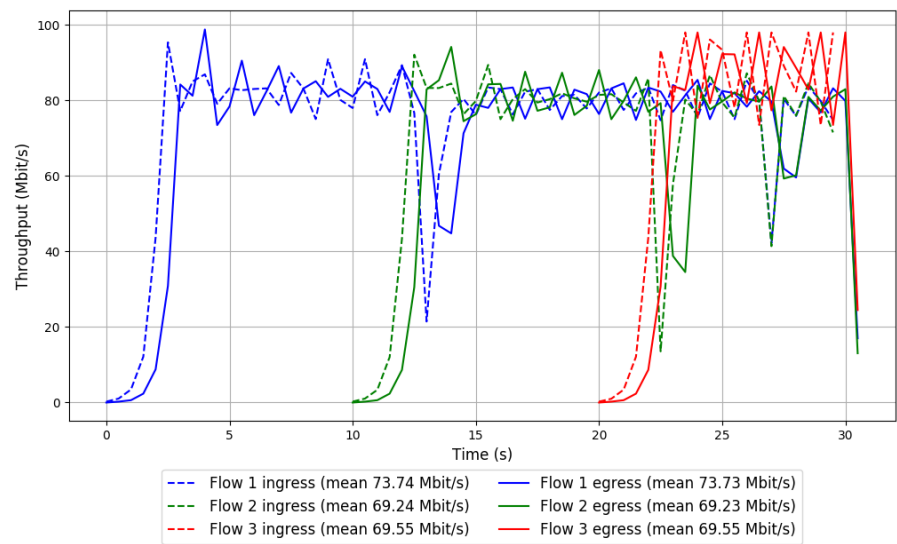


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 16:27:04
End at: 2018-07-25 16:27:34
Local clock offset: 0.223 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-07-25 19:47:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.87 Mbit/s
95th percentile per-packet one-way delay: 136.351 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 73.73 Mbit/s
95th percentile per-packet one-way delay: 136.267 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 69.23 Mbit/s
95th percentile per-packet one-way delay: 136.302 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 136.509 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-25 16:53:59

End at: 2018-07-25 16:54:29

Local clock offset: -0.129 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-25 19:47:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.12 Mbit/s

95th percentile per-packet one-way delay: 139.055 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 138.059 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 74.12 Mbit/s

95th percentile per-packet one-way delay: 141.039 ms

Loss rate: 0.00%

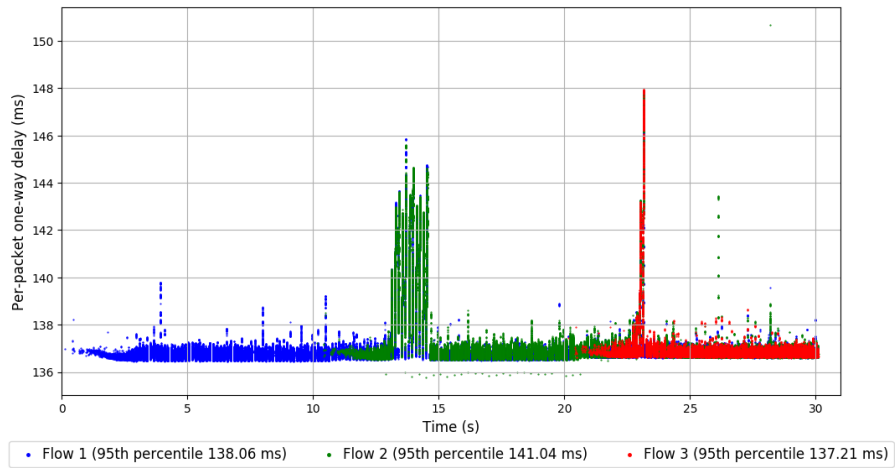
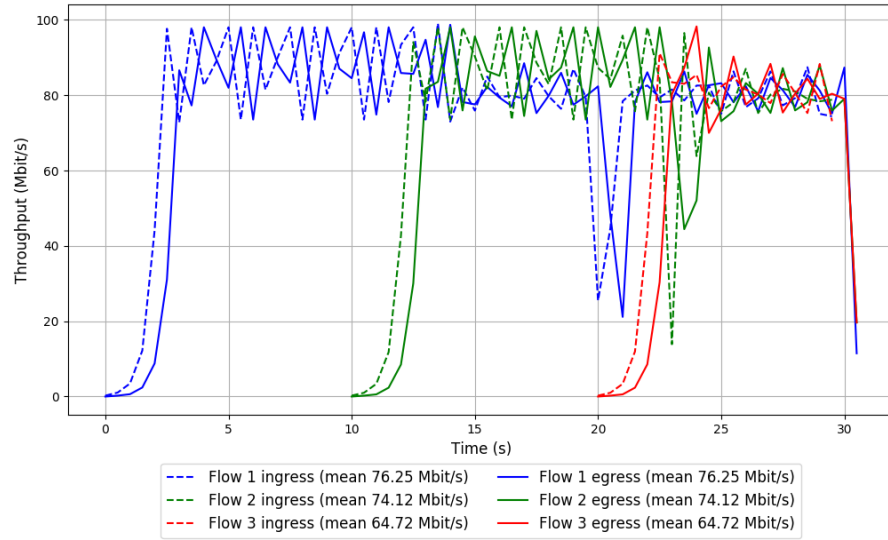
-- Flow 3:

Average throughput: 64.72 Mbit/s

95th percentile per-packet one-way delay: 137.213 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-25 17:21:02

End at: 2018-07-25 17:21:32

Local clock offset: -0.3 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-07-25 19:47:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.24 Mbit/s

95th percentile per-packet one-way delay: 137.650 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 73.66 Mbit/s

95th percentile per-packet one-way delay: 137.386 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.20 Mbit/s

95th percentile per-packet one-way delay: 137.805 ms

Loss rate: 0.00%

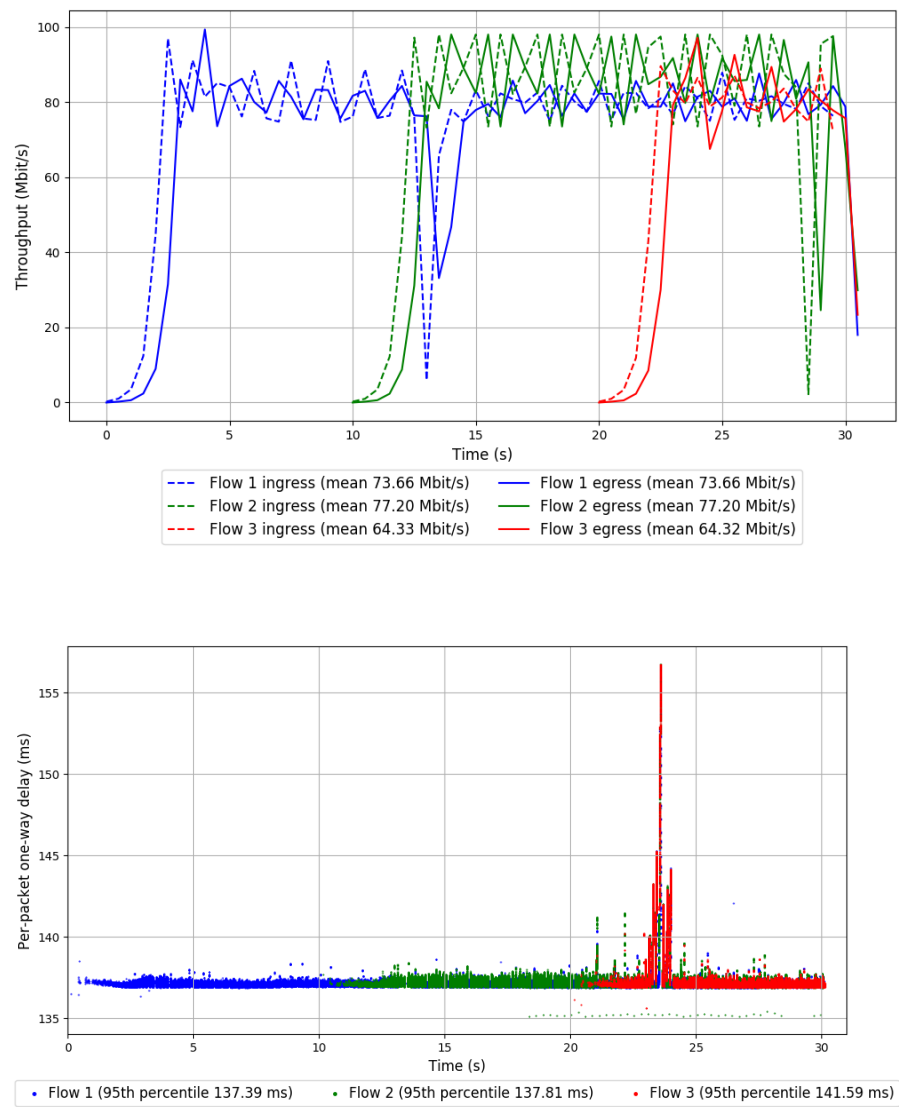
-- Flow 3:

Average throughput: 64.32 Mbit/s

95th percentile per-packet one-way delay: 141.586 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-25 17:48:27

End at: 2018-07-25 17:48:57

Local clock offset: -0.054 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-25 19:47:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.11 Mbit/s

95th percentile per-packet one-way delay: 136.834 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 136.795 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 74.47 Mbit/s

95th percentile per-packet one-way delay: 136.838 ms

Loss rate: 0.00%

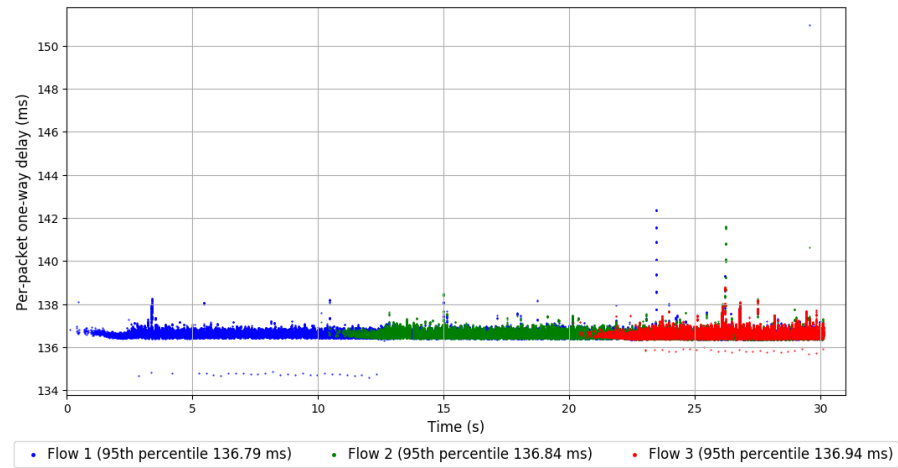
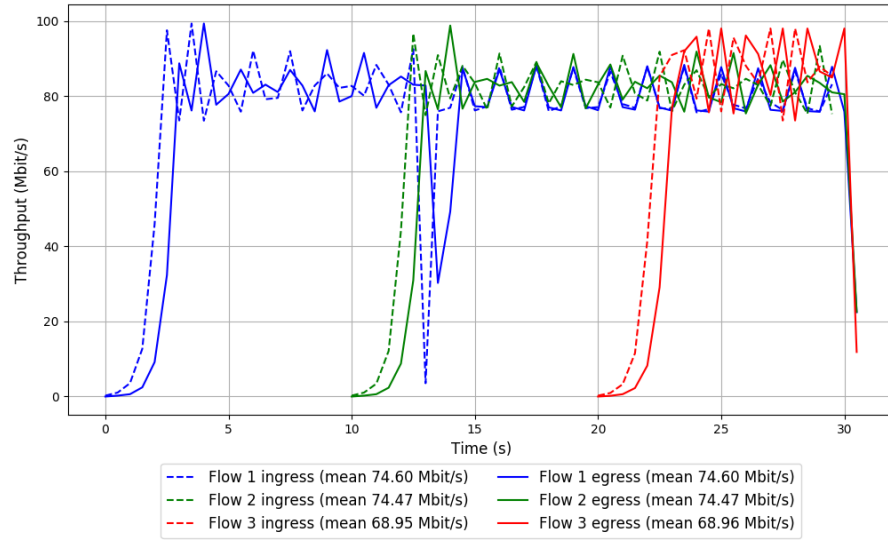
-- Flow 3:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 136.938 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

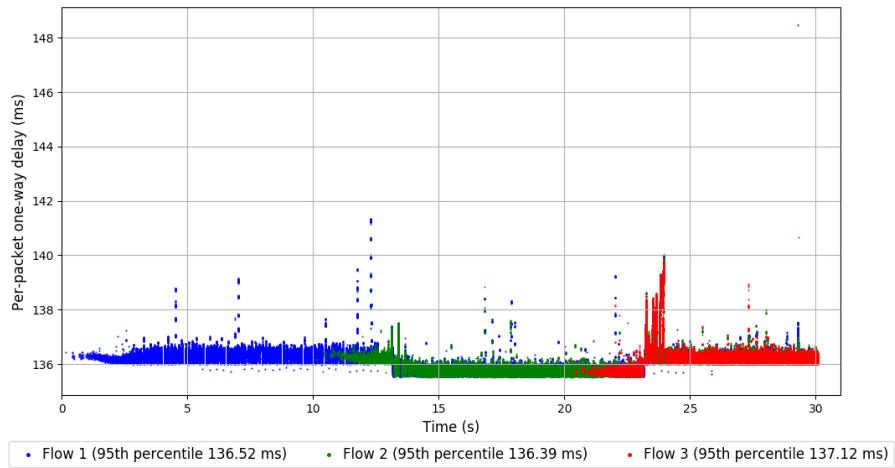
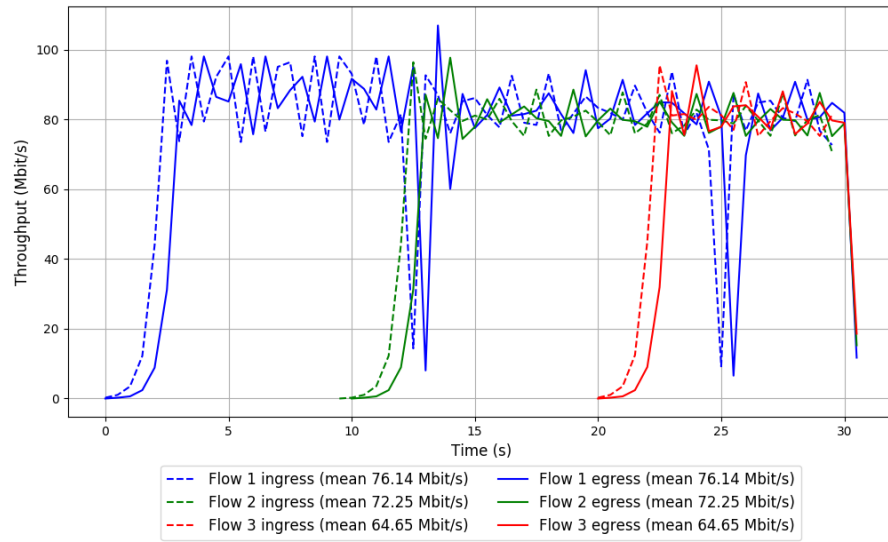


Run 8: Statistics of TCP BBR

Start at: 2018-07-25 18:15:17
End at: 2018-07-25 18:15:47
Local clock offset: 0.229 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-25 19:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.60 Mbit/s
95th percentile per-packet one-way delay: 136.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.14 Mbit/s
95th percentile per-packet one-way delay: 136.523 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.25 Mbit/s
95th percentile per-packet one-way delay: 136.386 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 137.125 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

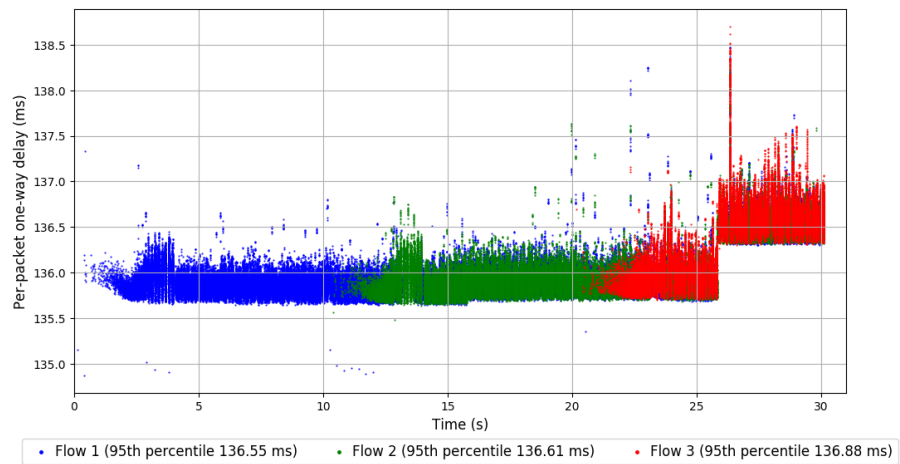
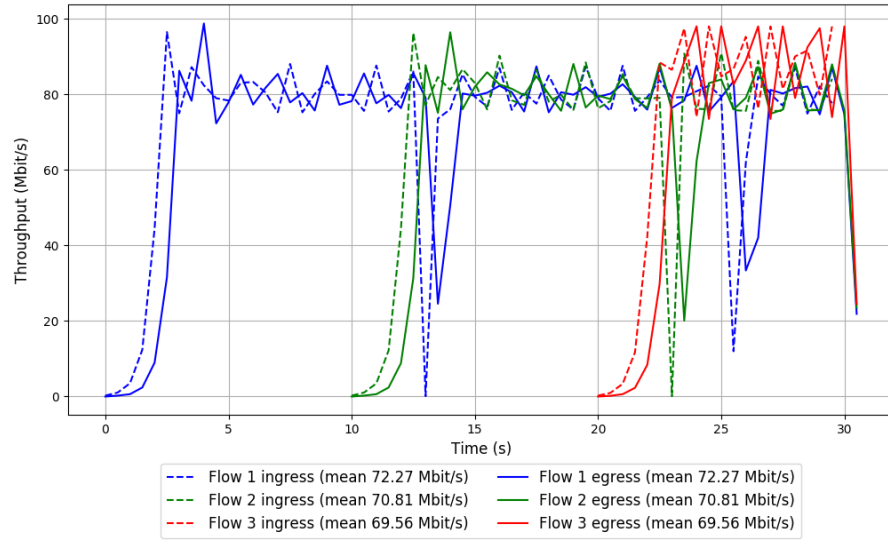


Run 9: Statistics of TCP BBR

Start at: 2018-07-25 18:42:14
End at: 2018-07-25 18:42:44
Local clock offset: 0.058 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-25 19:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.52 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 136.552 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 136.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: 136.876 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

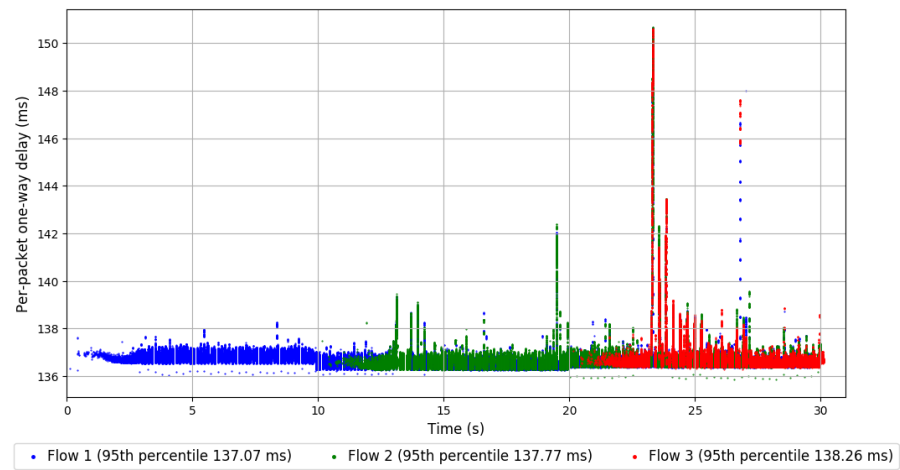
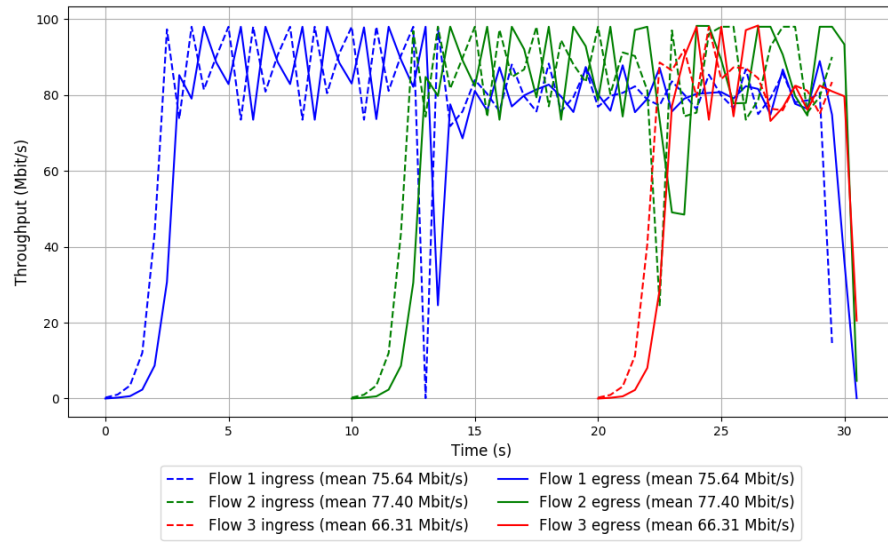


Run 10: Statistics of TCP BBR

Start at: 2018-07-25 19:08:50
End at: 2018-07-25 19:09:20
Local clock offset: -0.114 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-25 19:50:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.64 Mbit/s
95th percentile per-packet one-way delay: 137.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 137.069 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 137.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.31 Mbit/s
95th percentile per-packet one-way delay: 138.263 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-25 15:02:49

End at: 2018-07-25 15:03:19

Local clock offset: -0.225 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2018-07-25 19:57:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.72 Mbit/s

95th percentile per-packet one-way delay: 142.495 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 149.10 Mbit/s

95th percentile per-packet one-way delay: 141.337 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: 137.562 ms

Loss rate: 0.03%

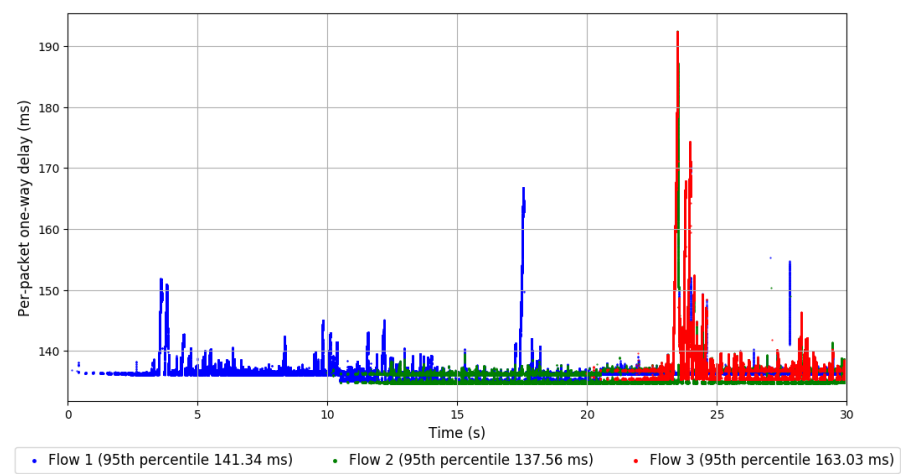
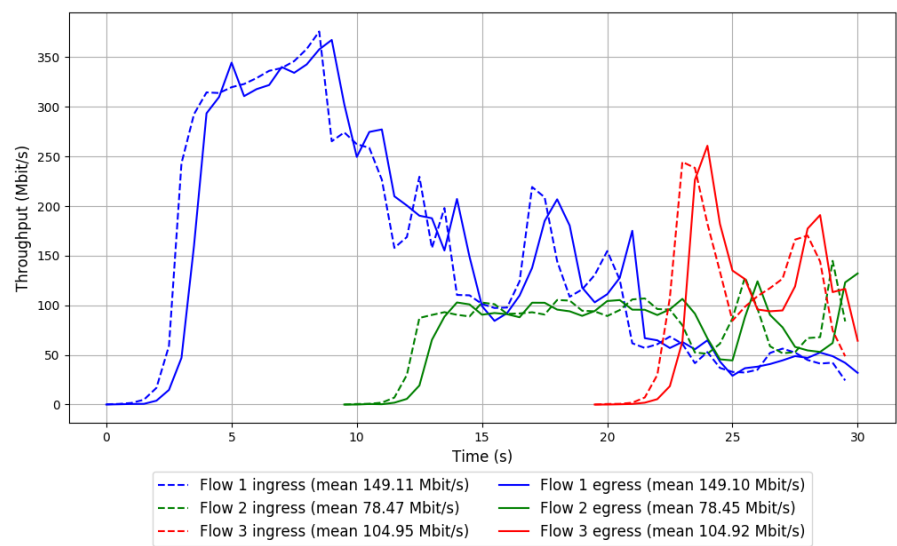
-- Flow 3:

Average throughput: 104.92 Mbit/s

95th percentile per-packet one-way delay: 163.034 ms

Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-25 15:30:02

End at: 2018-07-25 15:30:32

Local clock offset: -0.086 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-25 19:57:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.08 Mbit/s

95th percentile per-packet one-way delay: 160.758 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 100.95 Mbit/s

95th percentile per-packet one-way delay: 160.936 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 91.58 Mbit/s

95th percentile per-packet one-way delay: 165.794 ms

Loss rate: 0.00%

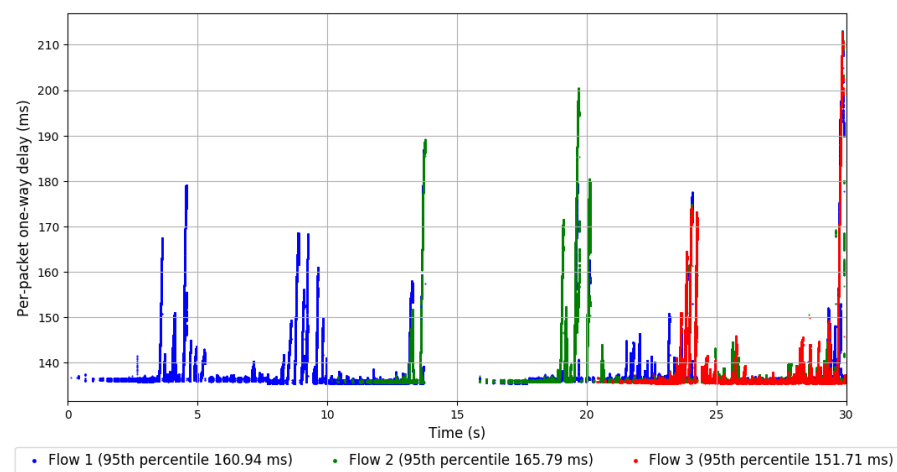
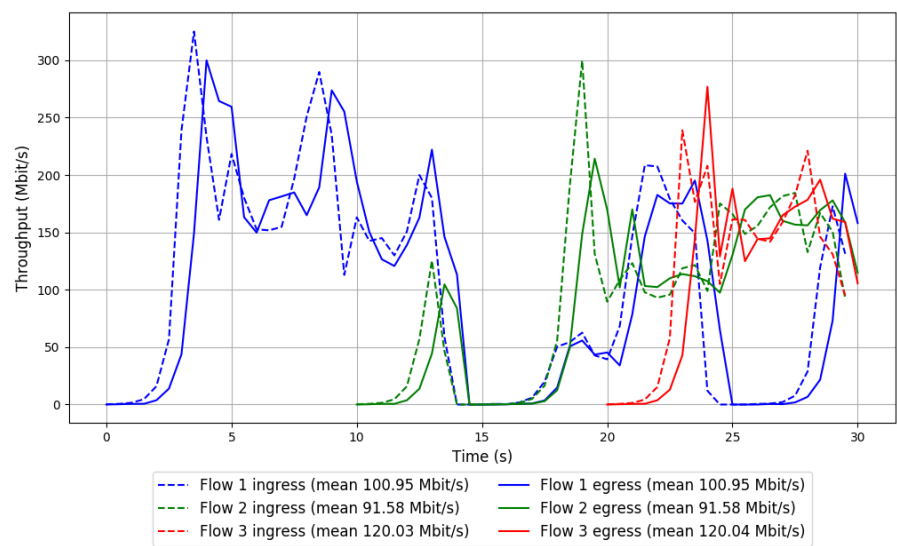
-- Flow 3:

Average throughput: 120.04 Mbit/s

95th percentile per-packet one-way delay: 151.708 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-25 15:56:33

End at: 2018-07-25 15:57:03

Local clock offset: 0.153 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-25 19:57:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.02 Mbit/s

95th percentile per-packet one-way delay: 156.339 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.17 Mbit/s

95th percentile per-packet one-way delay: 156.943 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 123.19 Mbit/s

95th percentile per-packet one-way delay: 158.370 ms

Loss rate: 0.00%

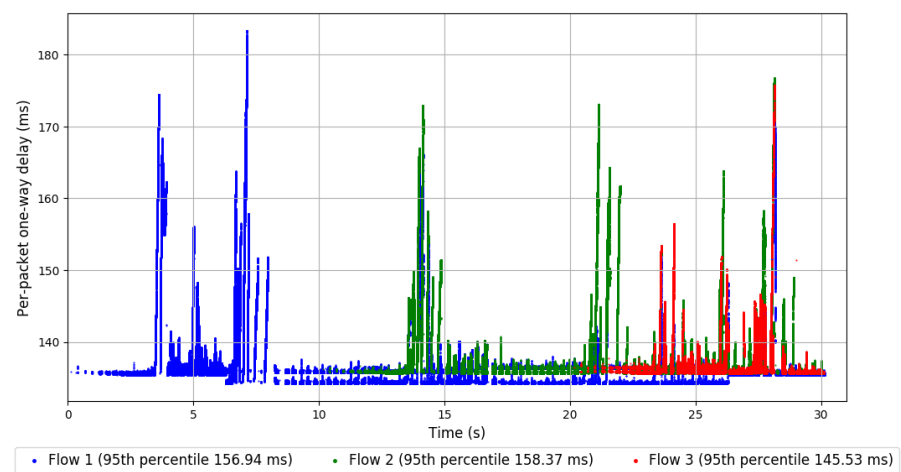
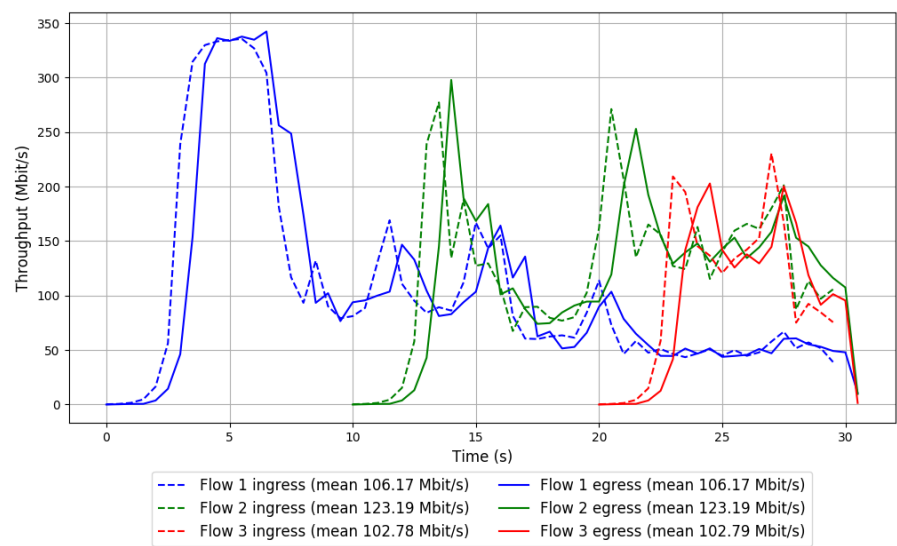
-- Flow 3:

Average throughput: 102.79 Mbit/s

95th percentile per-packet one-way delay: 145.533 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

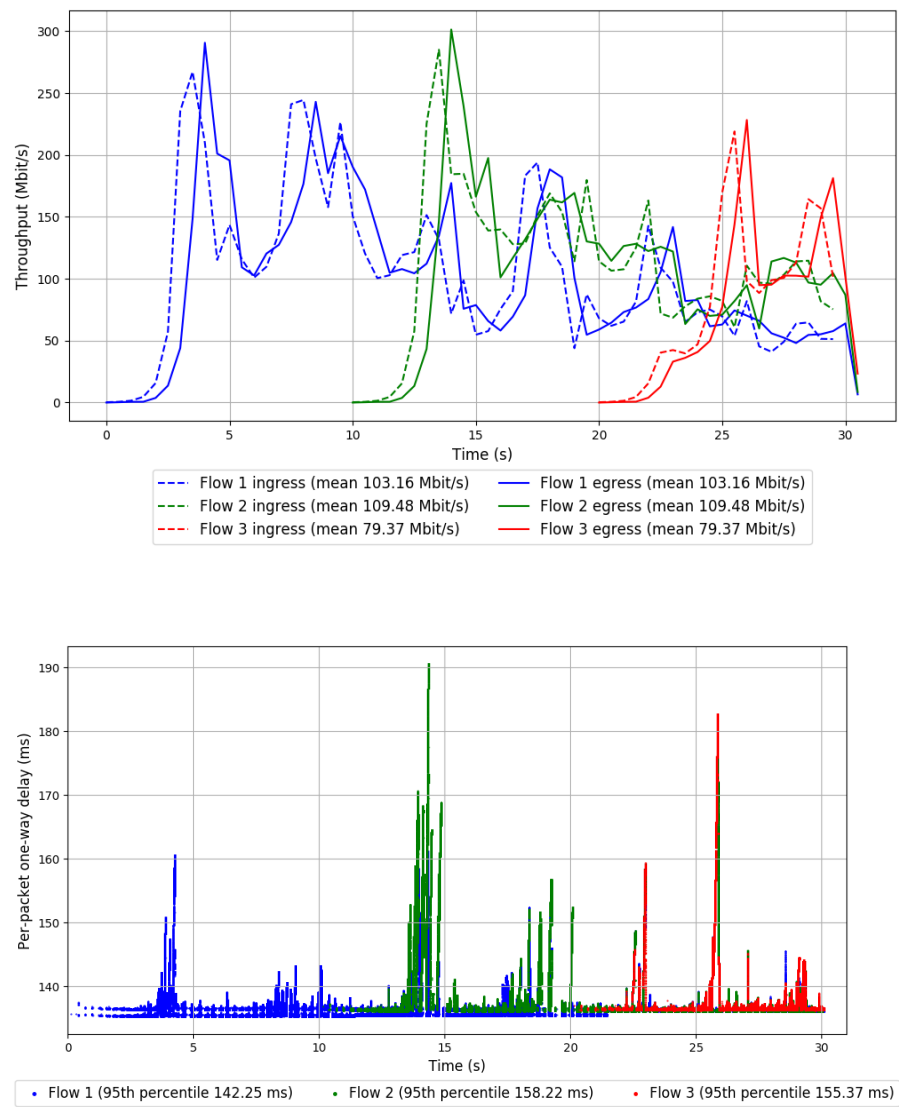


Run 4: Statistics of Copa

Start at: 2018-07-25 16:23:48
End at: 2018-07-25 16:24:18
Local clock offset: 0.076 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-25 19:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.21 Mbit/s
95th percentile per-packet one-way delay: 150.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.16 Mbit/s
95th percentile per-packet one-way delay: 142.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.48 Mbit/s
95th percentile per-packet one-way delay: 158.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 155.371 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-25 16:50:42

End at: 2018-07-25 16:51:12

Local clock offset: 0.04 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-07-25 19:57:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.36 Mbit/s

95th percentile per-packet one-way delay: 154.934 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 125.17 Mbit/s

95th percentile per-packet one-way delay: 152.950 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 109.08 Mbit/s

95th percentile per-packet one-way delay: 158.527 ms

Loss rate: 0.00%

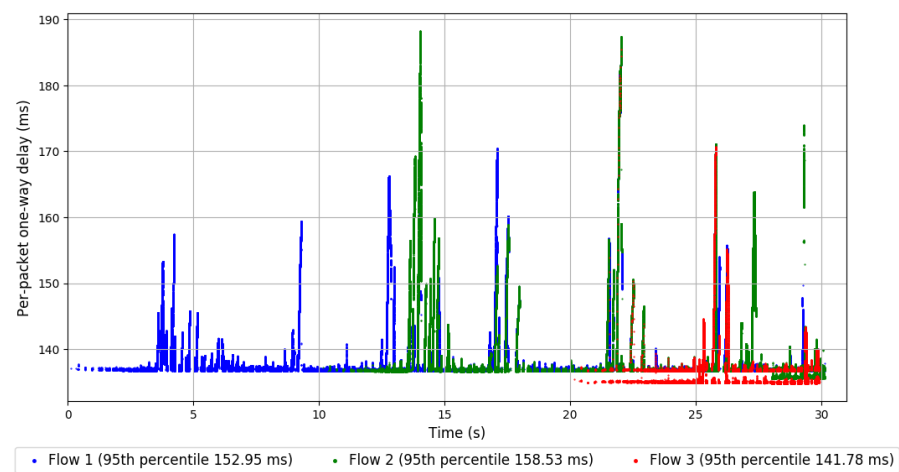
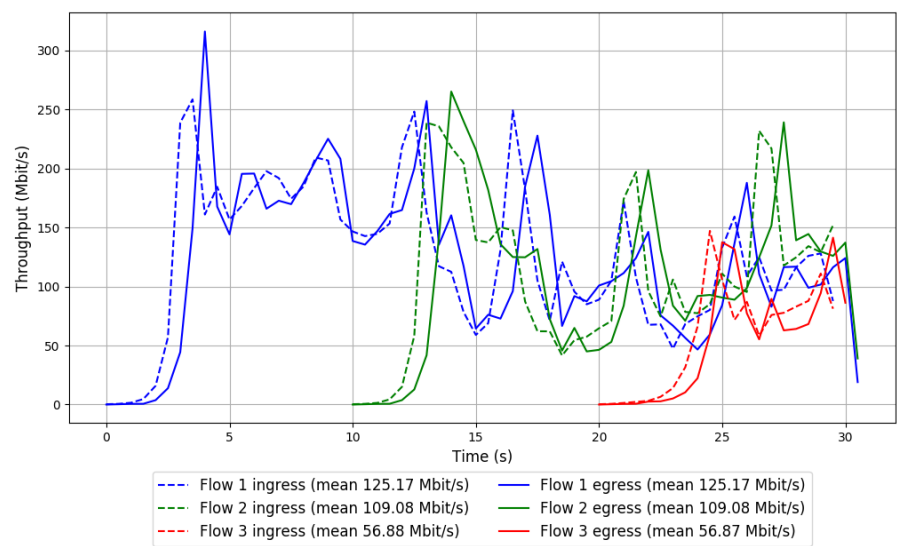
-- Flow 3:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 141.782 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

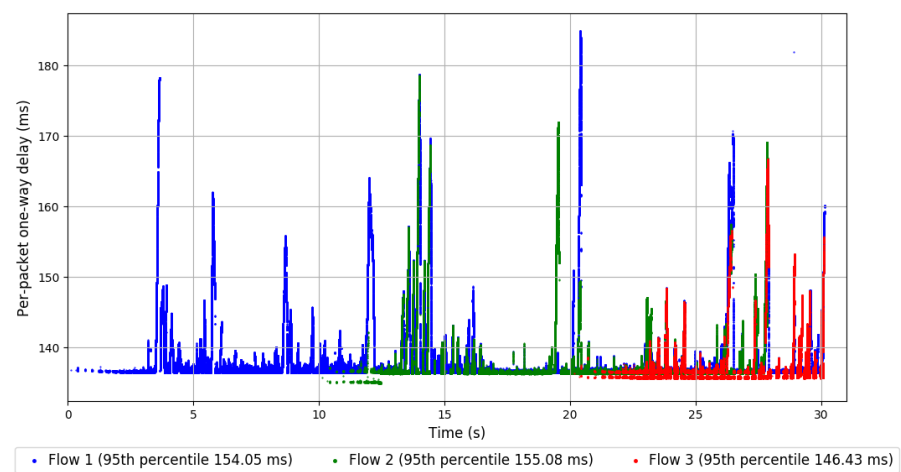
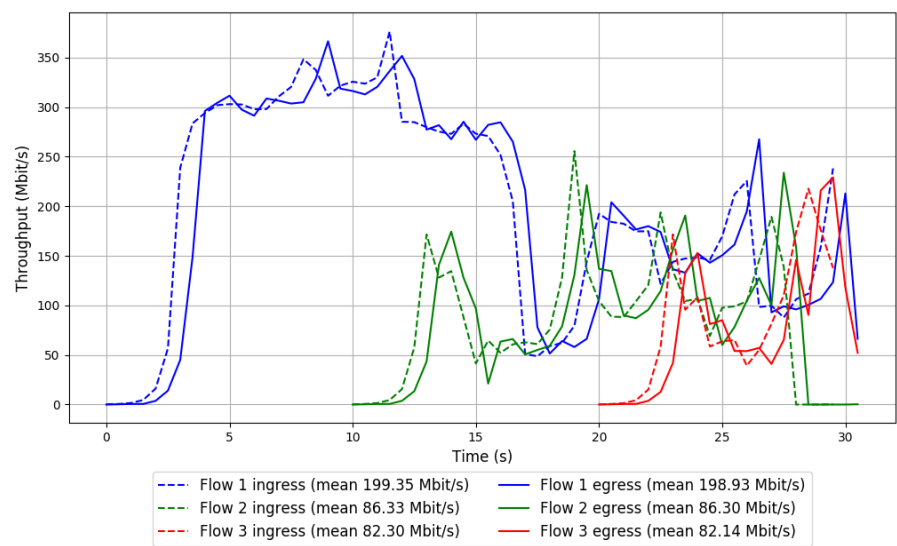


Run 6: Statistics of Copa

Start at: 2018-07-25 17:17:37
End at: 2018-07-25 17:18:07
Local clock offset: -0.202 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-25 19:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.36 Mbit/s
95th percentile per-packet one-way delay: 153.618 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 198.93 Mbit/s
95th percentile per-packet one-way delay: 154.050 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 155.081 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 146.427 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

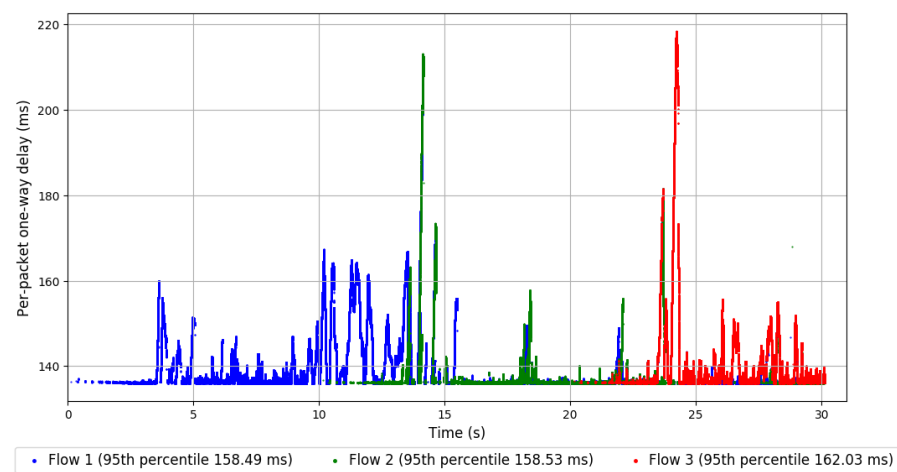
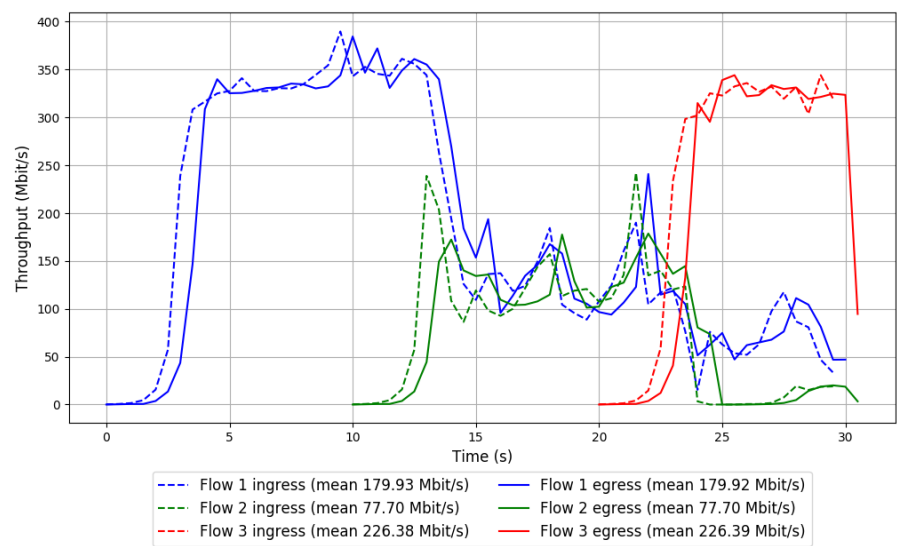


Run 7: Statistics of Copa

Start at: 2018-07-25 17:45:02
End at: 2018-07-25 17:45:32
Local clock offset: -0.097 ms
Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-07-25 20:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.14 Mbit/s
95th percentile per-packet one-way delay: 158.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.92 Mbit/s
95th percentile per-packet one-way delay: 158.492 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 158.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 226.39 Mbit/s
95th percentile per-packet one-way delay: 162.033 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link

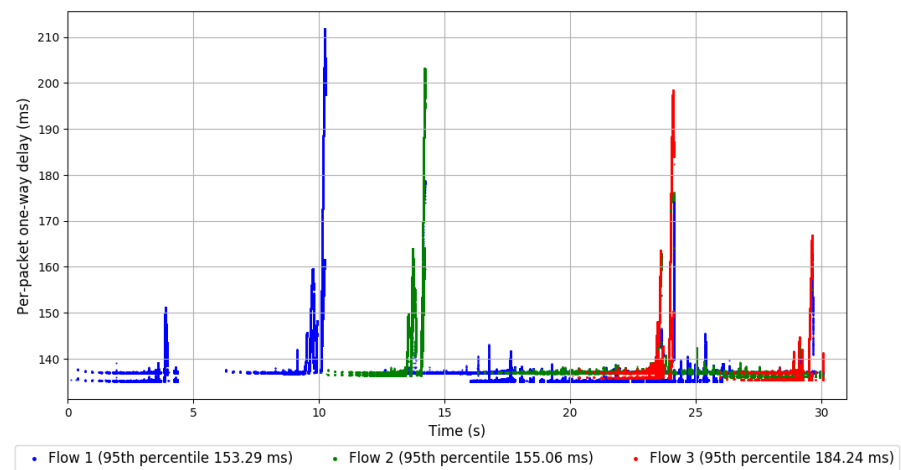
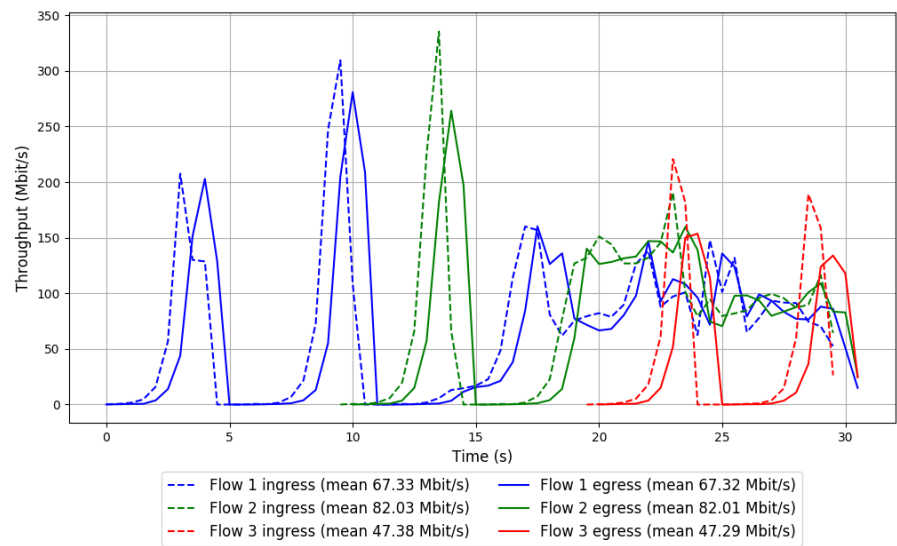


Run 8: Statistics of Copa

Start at: 2018-07-25 18:12:14
End at: 2018-07-25 18:12:44
Local clock offset: -0.186 ms
Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-07-25 20:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.79 Mbit/s
95th percentile per-packet one-way delay: 157.299 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 67.32 Mbit/s
95th percentile per-packet one-way delay: 153.290 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 155.061 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 184.237 ms
Loss rate: 0.18%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-25 18:38:59

End at: 2018-07-25 18:39:29

Local clock offset: 0.342 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2018-07-25 20:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.30 Mbit/s

95th percentile per-packet one-way delay: 179.271 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 127.41 Mbit/s

95th percentile per-packet one-way delay: 172.003 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 69.63 Mbit/s

95th percentile per-packet one-way delay: 186.366 ms

Loss rate: 0.00%

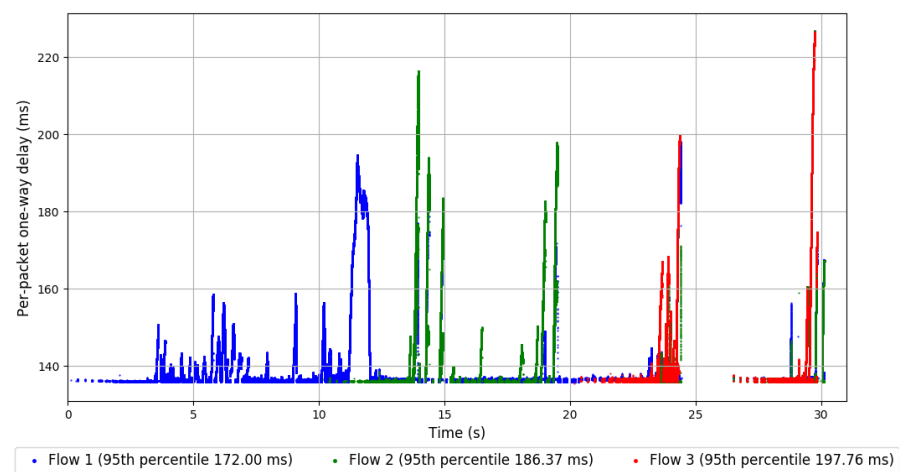
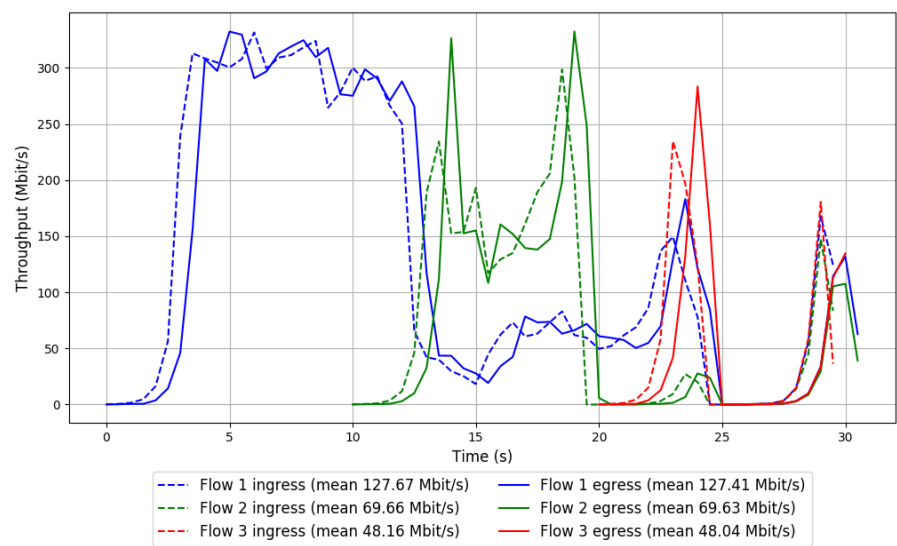
-- Flow 3:

Average throughput: 48.04 Mbit/s

95th percentile per-packet one-way delay: 197.764 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-25 19:05:38

End at: 2018-07-25 19:06:08

Local clock offset: 0.114 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-07-25 20:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.32 Mbit/s

95th percentile per-packet one-way delay: 181.990 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 100.93 Mbit/s

95th percentile per-packet one-way delay: 182.530 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.58 Mbit/s

95th percentile per-packet one-way delay: 182.051 ms

Loss rate: 0.00%

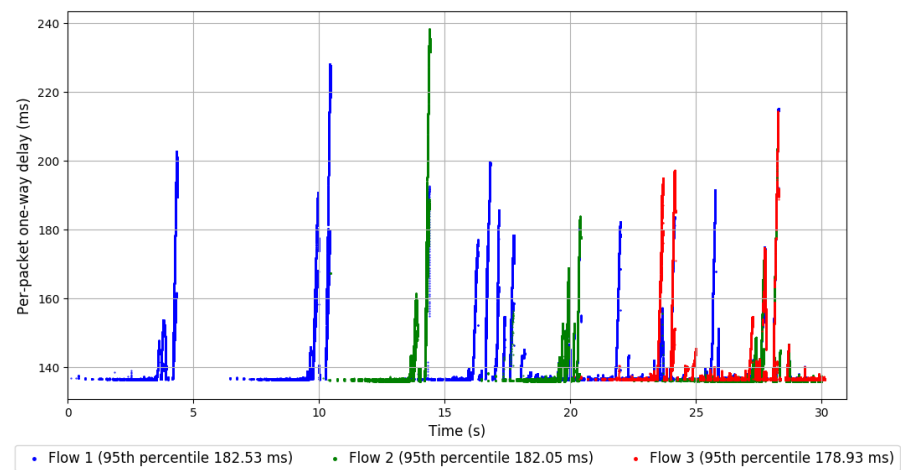
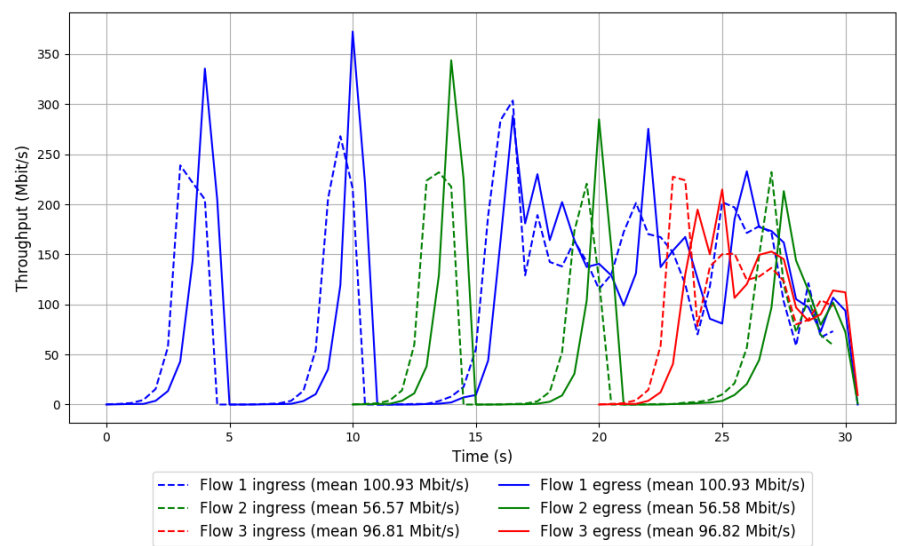
-- Flow 3:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 178.926 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 15:13:20

End at: 2018-07-25 15:13:50

Local clock offset: -0.476 ms

Remote clock offset: 0.394 ms

Below is generated by plot.py at 2018-07-25 20:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.99 Mbit/s

95th percentile per-packet one-way delay: 141.552 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 142.286 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.29 Mbit/s

95th percentile per-packet one-way delay: 139.771 ms

Loss rate: 0.00%

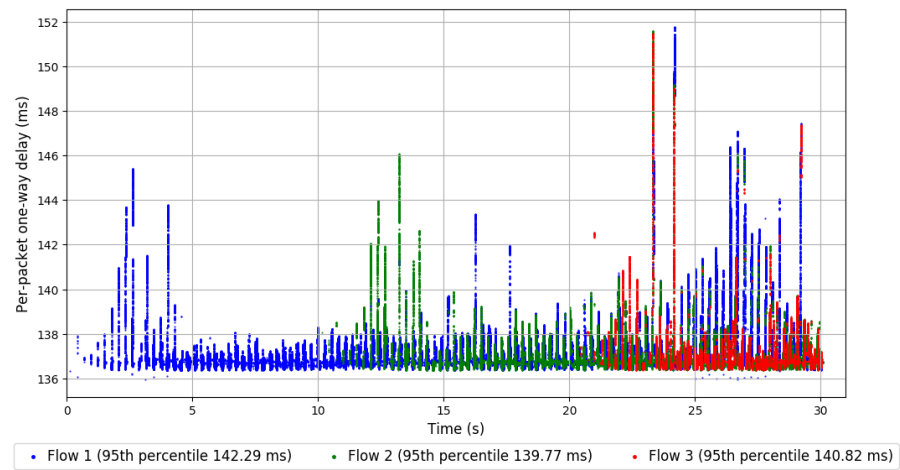
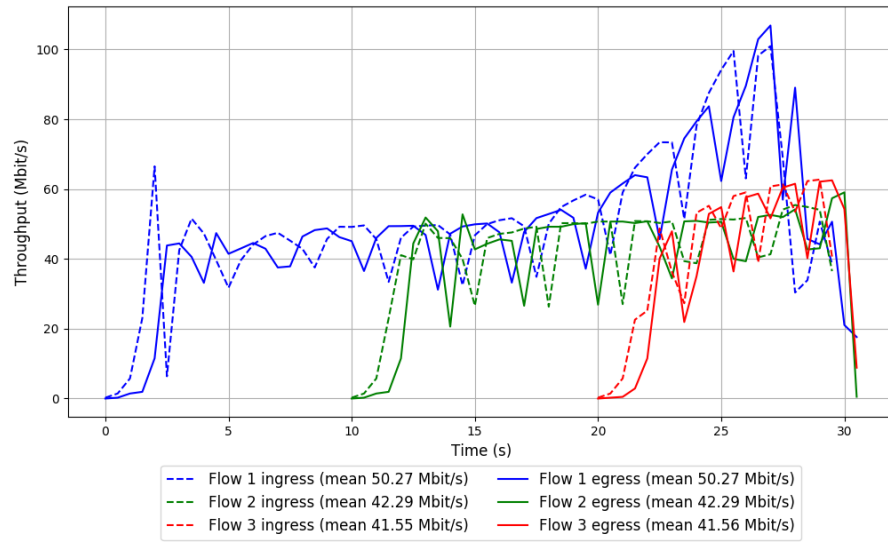
-- Flow 3:

Average throughput: 41.56 Mbit/s

95th percentile per-packet one-way delay: 140.822 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

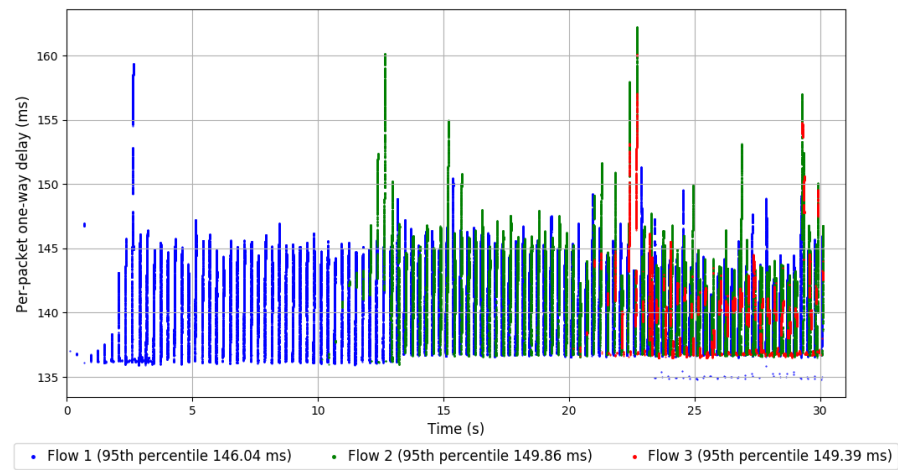
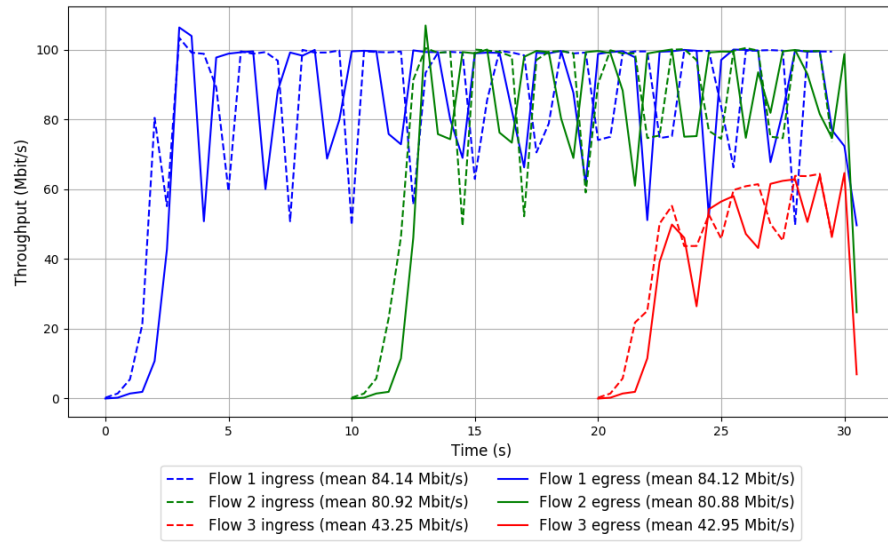


Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 15:40:06
End at: 2018-07-25 15:40:36
Local clock offset: -0.059 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-25 20:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.13 Mbit/s
95th percentile per-packet one-way delay: 147.239 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 146.043 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 149.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.95 Mbit/s
95th percentile per-packet one-way delay: 149.394 ms
Loss rate: 0.69%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 16:06:58

End at: 2018-07-25 16:07:28

Local clock offset: 0.001 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-25 20:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.35 Mbit/s

95th percentile per-packet one-way delay: 145.956 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 83.87 Mbit/s

95th percentile per-packet one-way delay: 145.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 145.785 ms

Loss rate: 0.07%

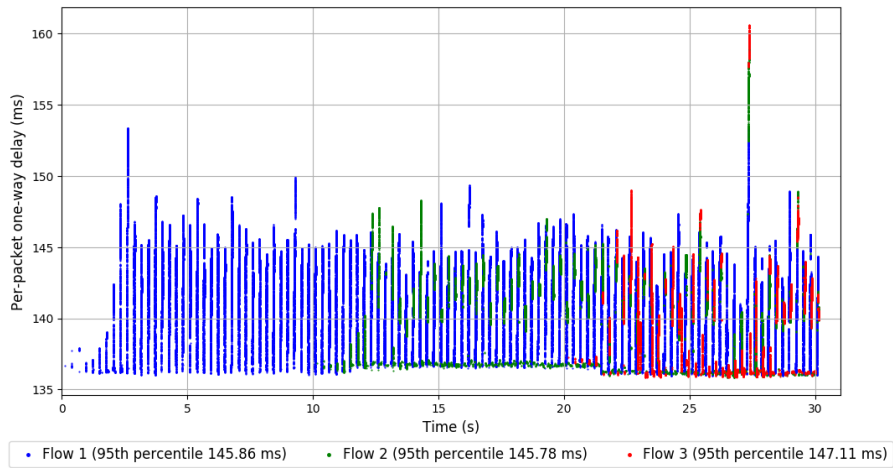
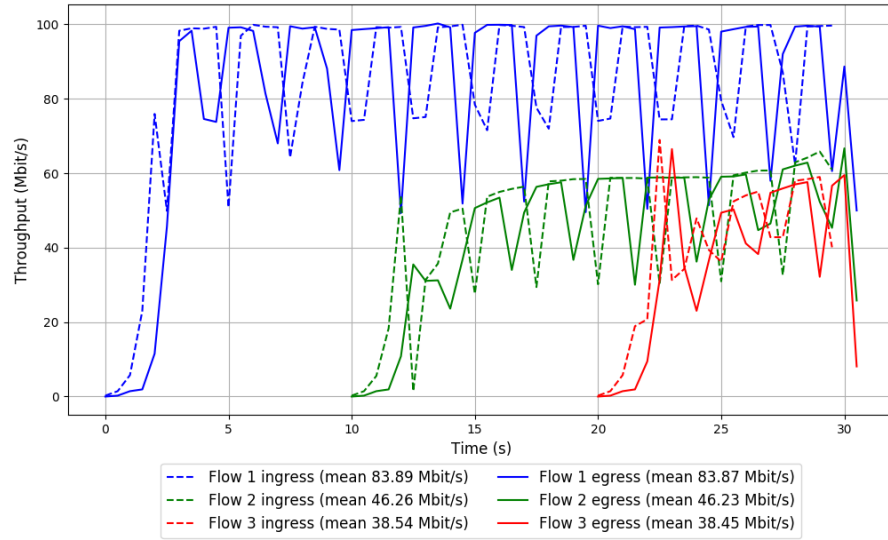
-- Flow 3:

Average throughput: 38.45 Mbit/s

95th percentile per-packet one-way delay: 147.113 ms

Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link

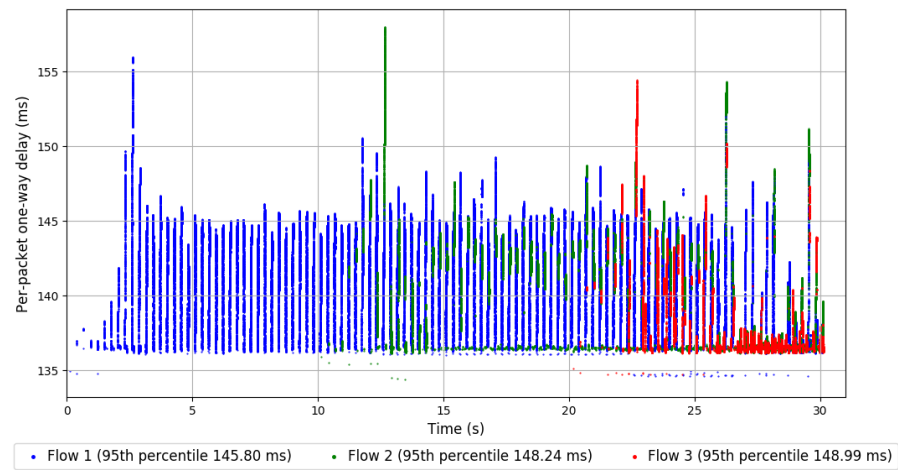
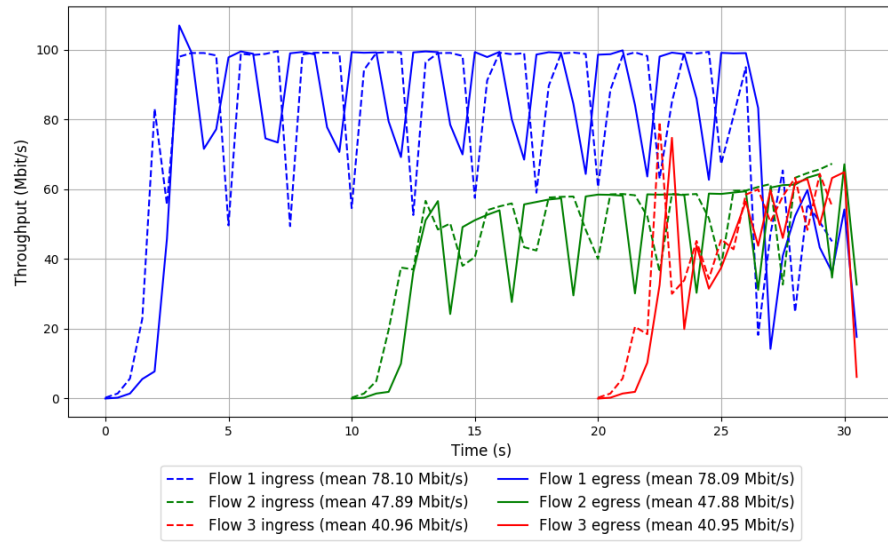


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 16:34:07
End at: 2018-07-25 16:34:37
Local clock offset: -0.012 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-07-25 20:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.49 Mbit/s
95th percentile per-packet one-way delay: 146.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 145.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 148.239 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 148.990 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 17:00:54

End at: 2018-07-25 17:01:24

Local clock offset: 0.015 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-25 20:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.97 Mbit/s

95th percentile per-packet one-way delay: 147.003 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 146.859 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.25 Mbit/s

95th percentile per-packet one-way delay: 147.438 ms

Loss rate: 0.04%

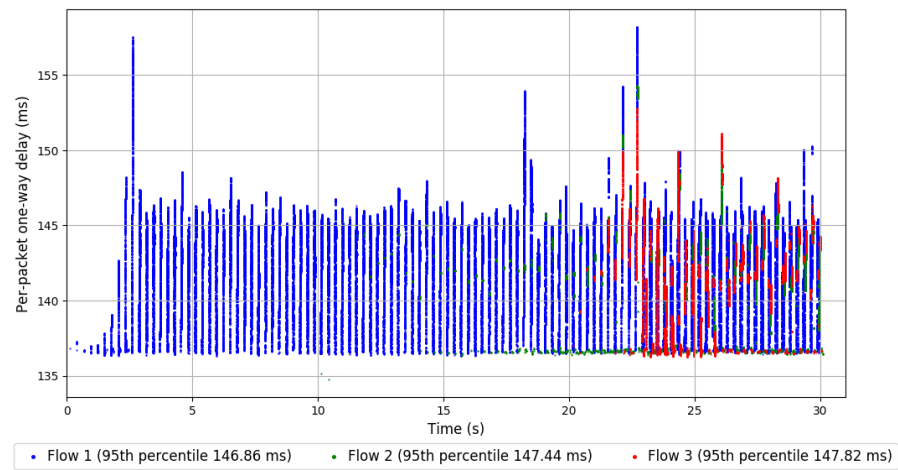
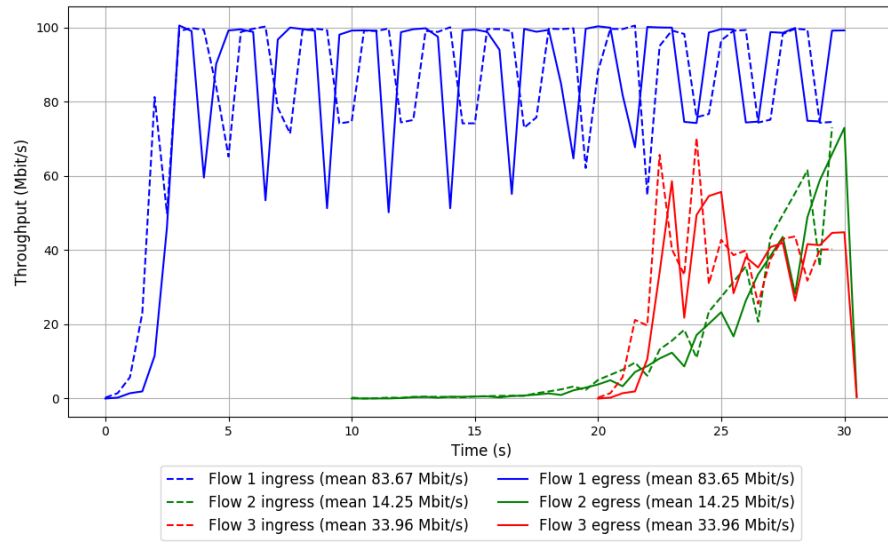
-- Flow 3:

Average throughput: 33.96 Mbit/s

95th percentile per-packet one-way delay: 147.821 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

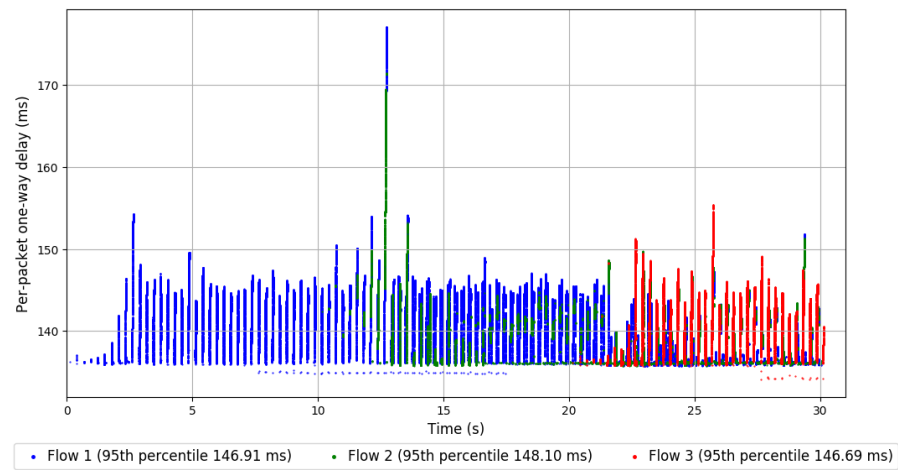
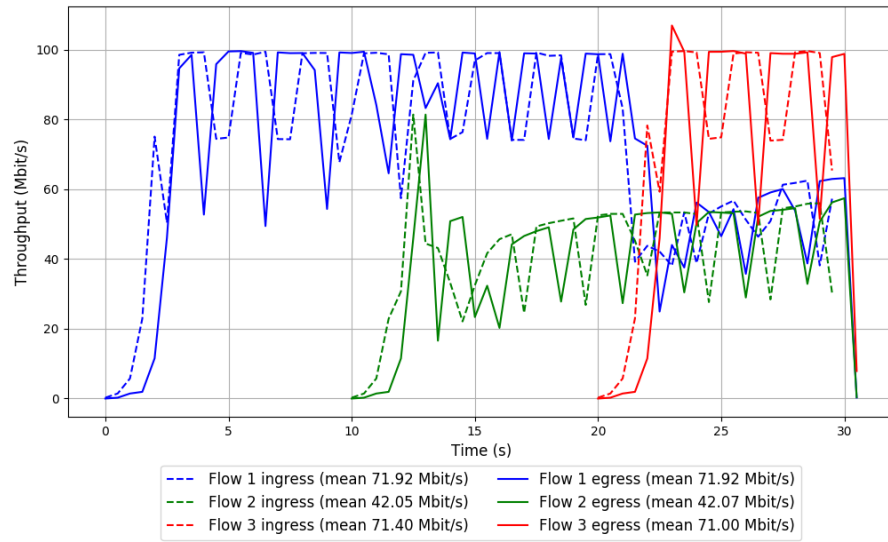


Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 17:28:02
End at: 2018-07-25 17:28:32
Local clock offset: 0.056 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-25 20:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.42 Mbit/s
95th percentile per-packet one-way delay: 147.166 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 146.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 148.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 146.690 ms
Loss rate: 0.56%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 17:55:39

End at: 2018-07-25 17:56:09

Local clock offset: 0.106 ms

Remote clock offset: 0.438 ms

Below is generated by plot.py at 2018-07-25 20:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.62 Mbit/s

95th percentile per-packet one-way delay: 145.657 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 53.19 Mbit/s

95th percentile per-packet one-way delay: 146.752 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 52.83 Mbit/s

95th percentile per-packet one-way delay: 143.650 ms

Loss rate: 0.00%

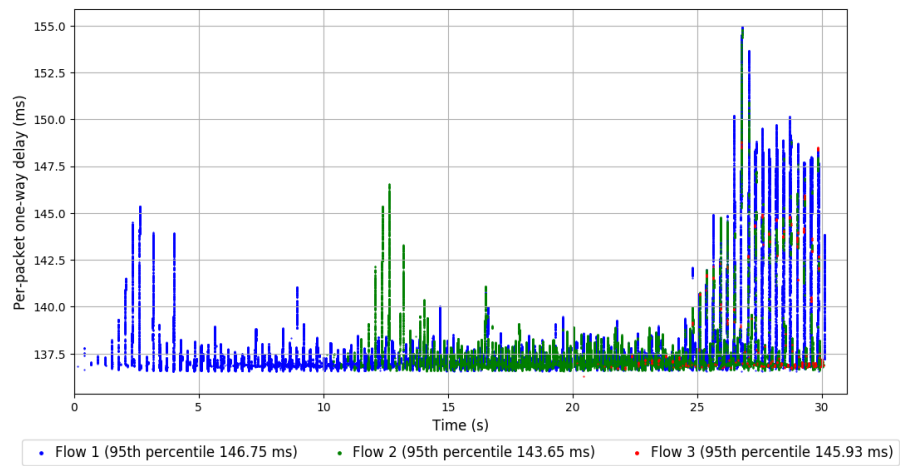
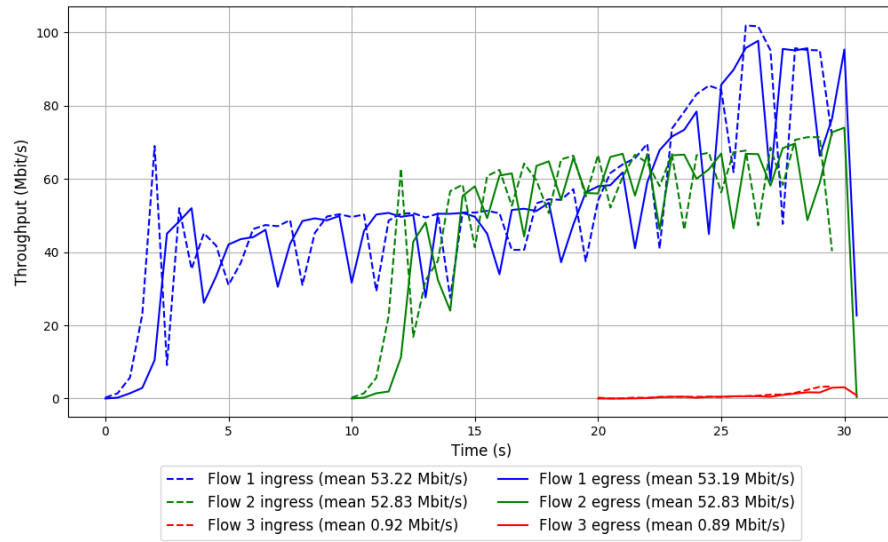
-- Flow 3:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 145.933 ms

Loss rate: 3.55%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 18:22:30

End at: 2018-07-25 18:23:00

Local clock offset: 0.176 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-07-25 20:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.36 Mbit/s

95th percentile per-packet one-way delay: 145.105 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 145.269 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 143.487 ms

Loss rate: 0.00%

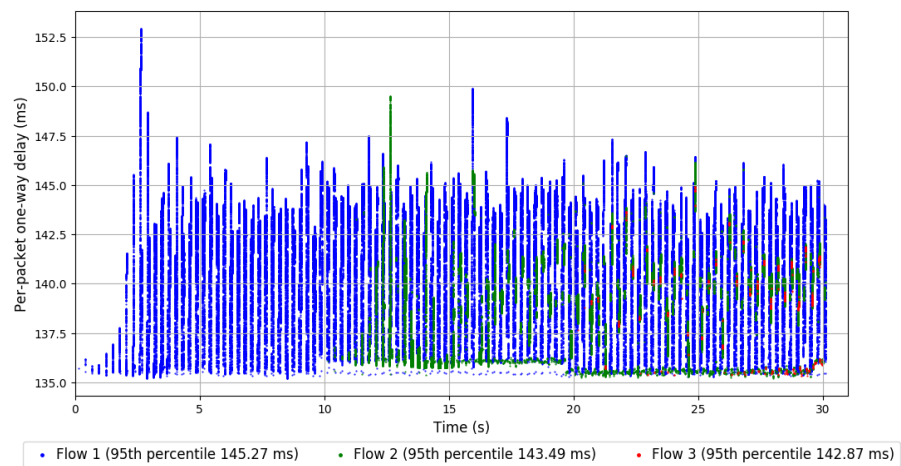
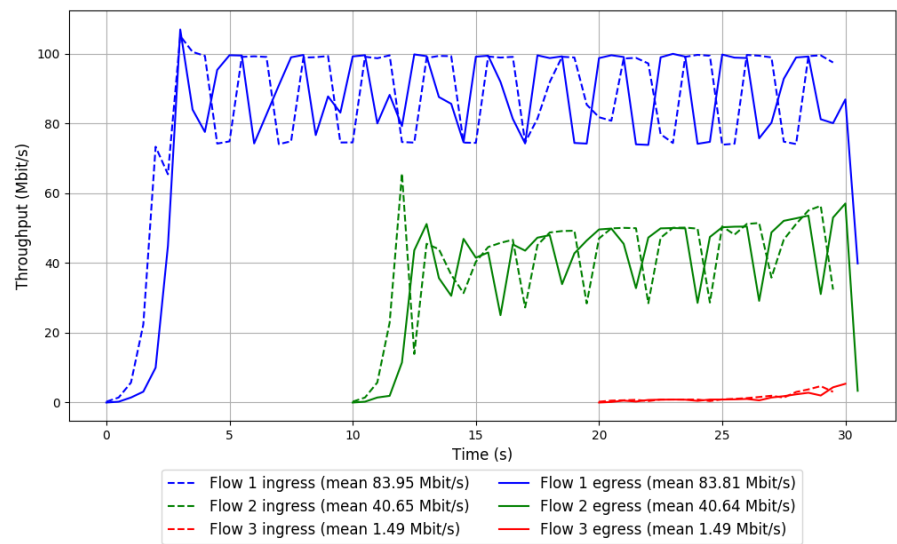
-- Flow 3:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 142.869 ms

Loss rate: 0.25%

Run 8: Report of TCP Cubic — Data Link

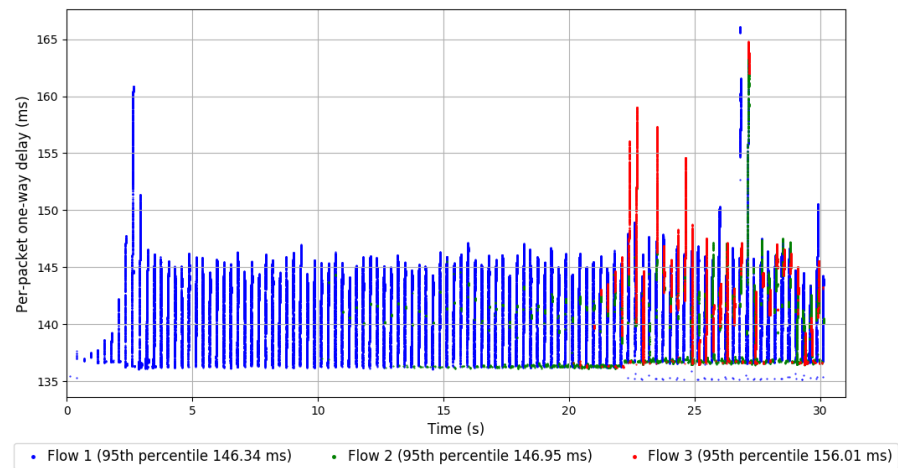
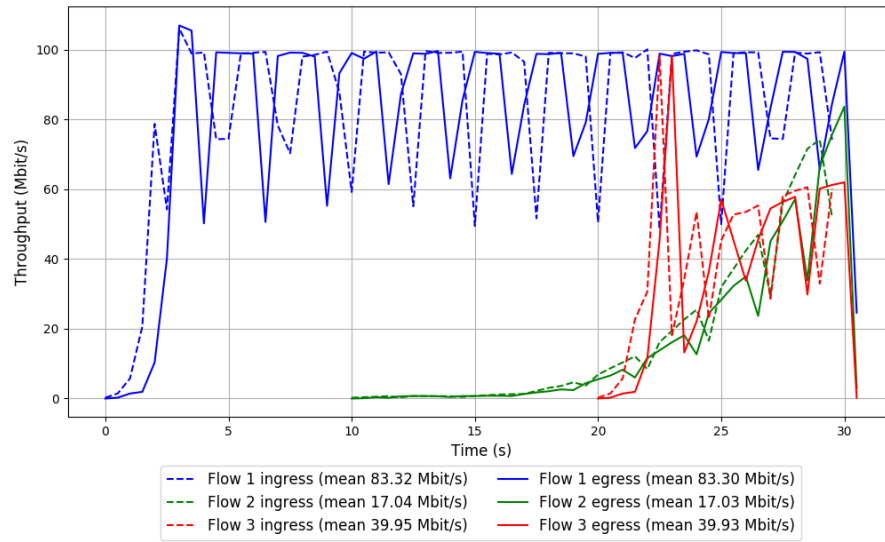


Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 18:49:18
End at: 2018-07-25 18:49:48
Local clock offset: -0.281 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-25 20:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.89 Mbit/s
95th percentile per-packet one-way delay: 147.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 146.345 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 146.949 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 156.008 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

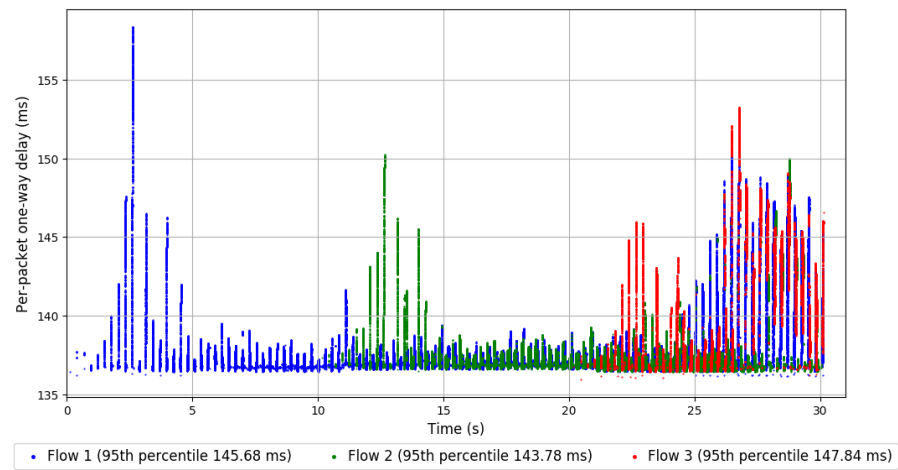
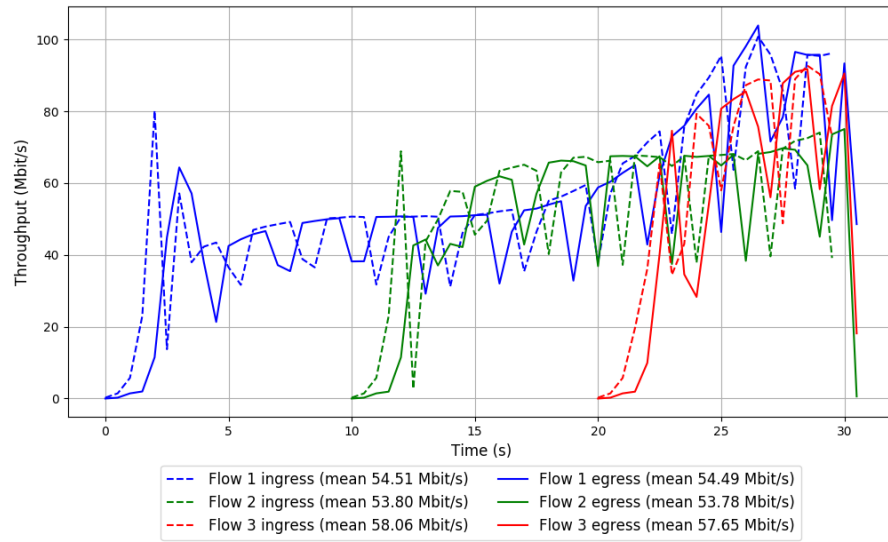


Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 19:15:59
End at: 2018-07-25 19:16:29
Local clock offset: -0.228 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-25 20:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.40 Mbit/s
95th percentile per-packet one-way delay: 146.313 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.49 Mbit/s
95th percentile per-packet one-way delay: 145.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: 143.785 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 147.843 ms
Loss rate: 0.67%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-25 15:16:36

End at: 2018-07-25 15:17:06

Local clock offset: -0.577 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-25 20:33:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1211.85 Mbit/s

95th percentile per-packet one-way delay: 209.448 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 672.91 Mbit/s

95th percentile per-packet one-way delay: 217.511 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 580.59 Mbit/s

95th percentile per-packet one-way delay: 205.609 ms

Loss rate: 1.34%

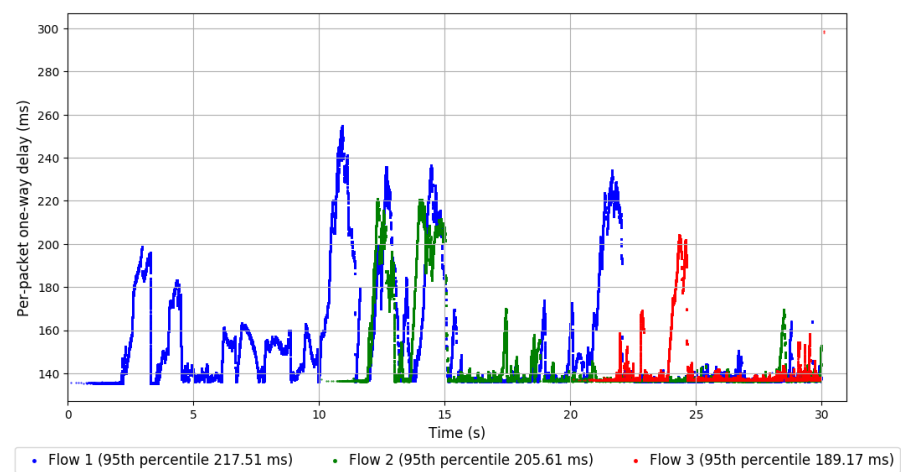
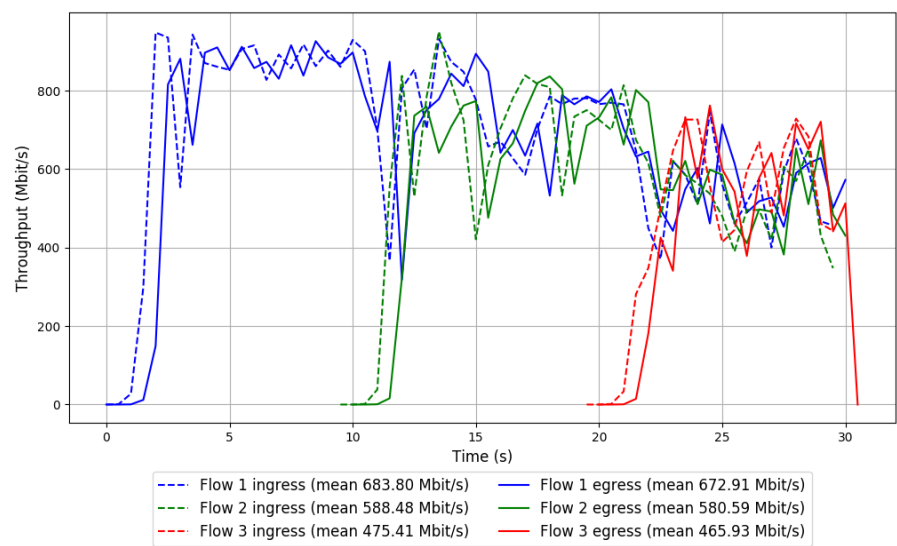
-- Flow 3:

Average throughput: 465.93 Mbit/s

95th percentile per-packet one-way delay: 189.169 ms

Loss rate: 1.11%

Run 1: Report of FillP — Data Link

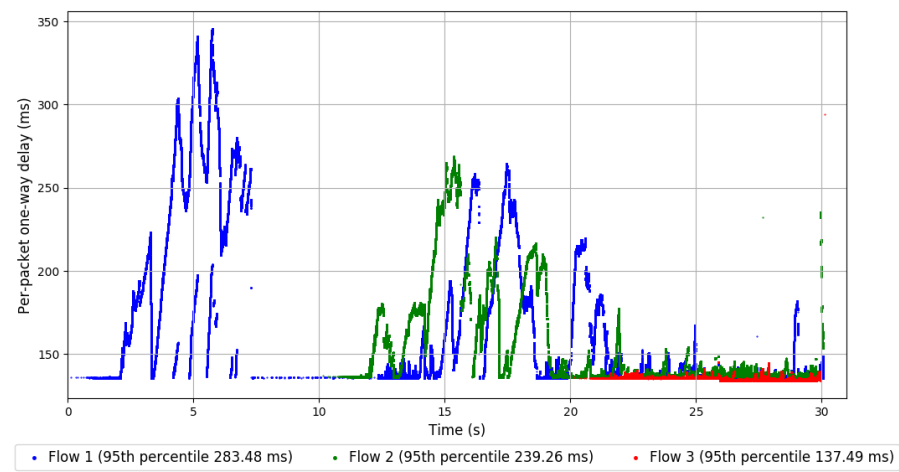
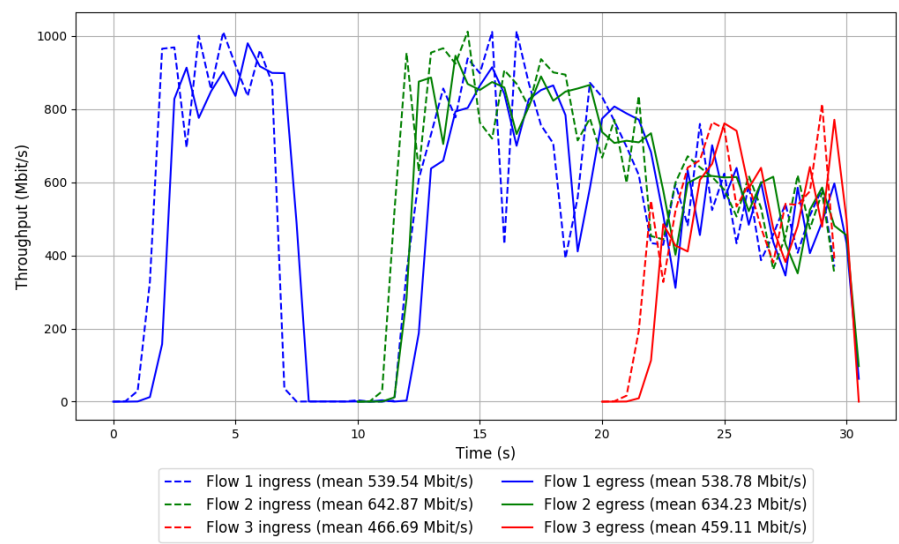


Run 2: Statistics of FillP

Start at: 2018-07-25 15:43:14
End at: 2018-07-25 15:43:44
Local clock offset: 0.067 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-25 20:33:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1112.32 Mbit/s
95th percentile per-packet one-way delay: 260.409 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 538.78 Mbit/s
95th percentile per-packet one-way delay: 283.476 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 634.23 Mbit/s
95th percentile per-packet one-way delay: 239.262 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 459.11 Mbit/s
95th percentile per-packet one-way delay: 137.486 ms
Loss rate: 1.21%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-25 16:10:17

End at: 2018-07-25 16:10:47

Local clock offset: 0.317 ms

Remote clock offset: 0.333 ms

Below is generated by plot.py at 2018-07-25 20:35:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1231.72 Mbit/s

95th percentile per-packet one-way delay: 271.702 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 696.47 Mbit/s

95th percentile per-packet one-way delay: 287.996 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 566.72 Mbit/s

95th percentile per-packet one-way delay: 239.772 ms

Loss rate: 0.62%

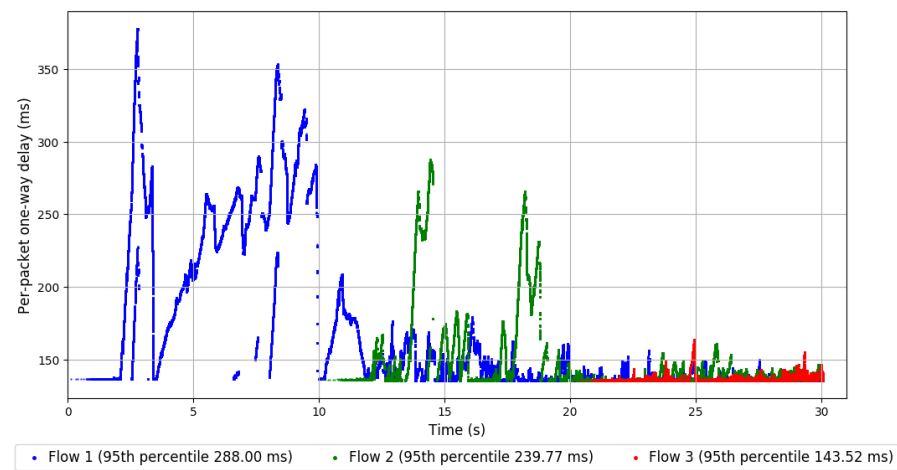
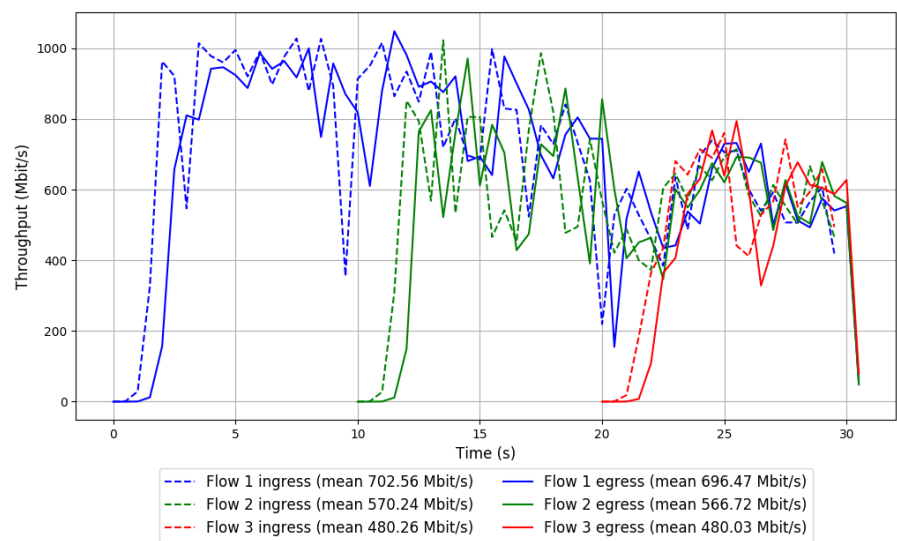
-- Flow 3:

Average throughput: 480.03 Mbit/s

95th percentile per-packet one-way delay: 143.519 ms

Loss rate: 0.00%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-25 16:37:21

End at: 2018-07-25 16:37:51

Local clock offset: -0.157 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-25 20:35:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 946.43 Mbit/s

95th percentile per-packet one-way delay: 366.462 ms

Loss rate: 3.58%

-- Flow 1:

Average throughput: 357.01 Mbit/s

95th percentile per-packet one-way delay: 386.848 ms

Loss rate: 3.45%

-- Flow 2:

Average throughput: 603.43 Mbit/s

95th percentile per-packet one-way delay: 359.433 ms

Loss rate: 3.40%

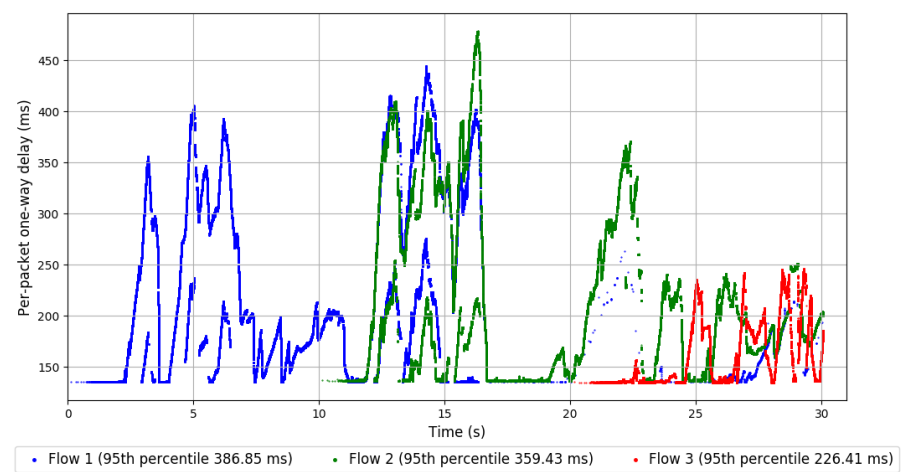
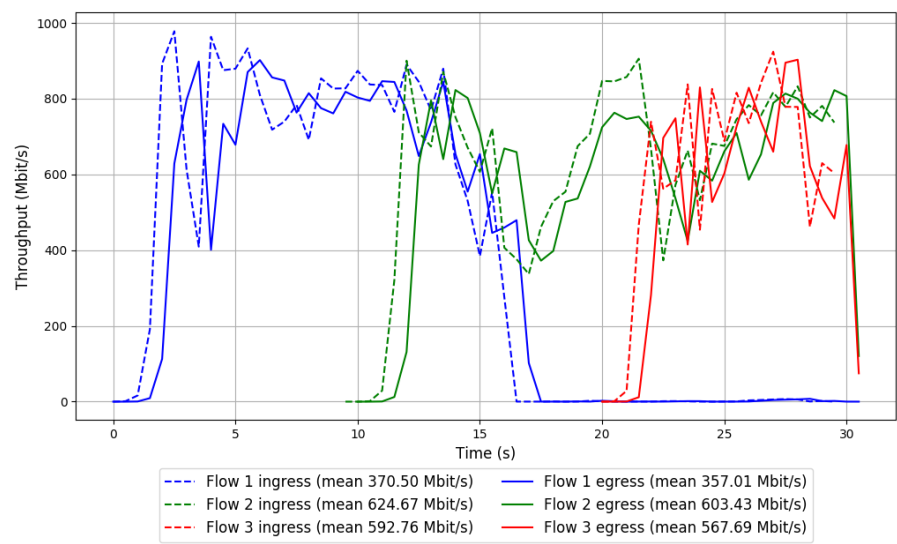
-- Flow 3:

Average throughput: 567.69 Mbit/s

95th percentile per-packet one-way delay: 226.405 ms

Loss rate: 4.21%

Run 4: Report of FillP — Data Link

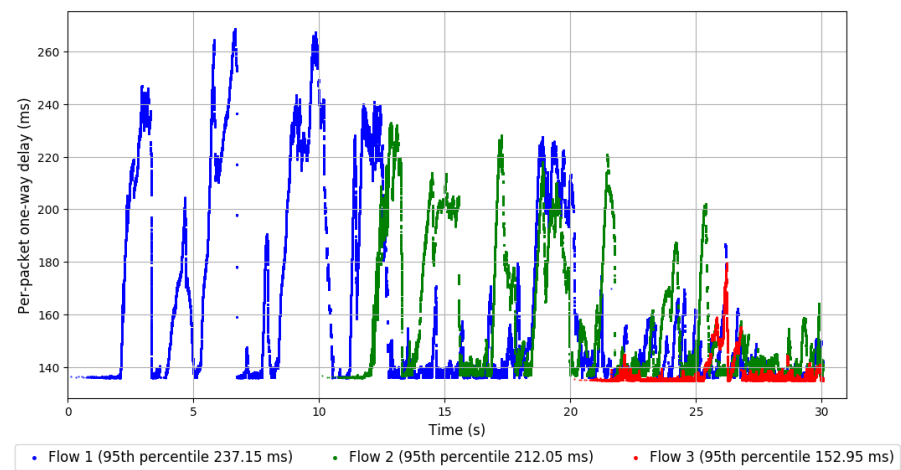
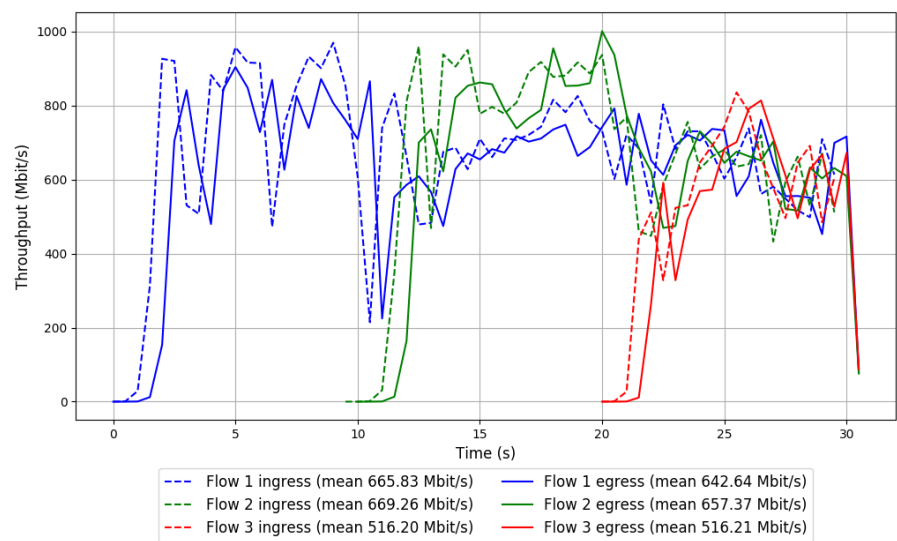


Run 5: Statistics of FillP

Start at: 2018-07-25 17:04:08
End at: 2018-07-25 17:04:38
Local clock offset: -0.47 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-25 20:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1251.29 Mbit/s
95th percentile per-packet one-way delay: 228.470 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 642.64 Mbit/s
95th percentile per-packet one-way delay: 237.153 ms
Loss rate: 3.48%
-- Flow 2:
Average throughput: 657.37 Mbit/s
95th percentile per-packet one-way delay: 212.050 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 516.21 Mbit/s
95th percentile per-packet one-way delay: 152.951 ms
Loss rate: 0.00%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-25 17:31:20

End at: 2018-07-25 17:31:50

Local clock offset: -0.182 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-07-25 20:37:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1271.22 Mbit/s

95th percentile per-packet one-way delay: 282.814 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 689.87 Mbit/s

95th percentile per-packet one-way delay: 301.726 ms

Loss rate: 2.04%

-- Flow 2:

Average throughput: 611.62 Mbit/s

95th percentile per-packet one-way delay: 268.639 ms

Loss rate: 0.00%

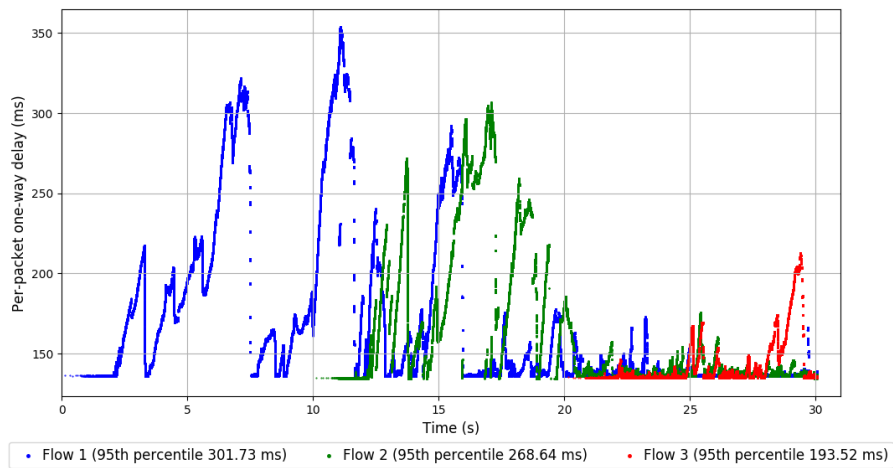
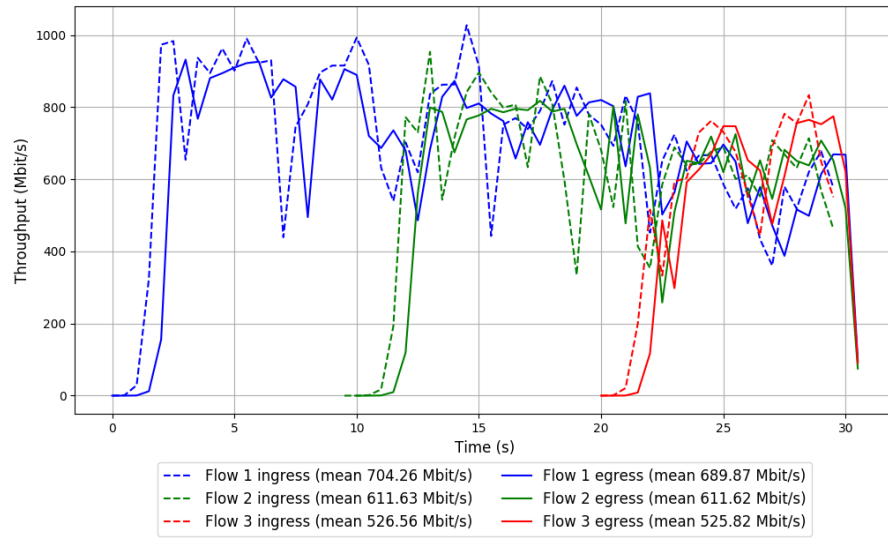
-- Flow 3:

Average throughput: 525.82 Mbit/s

95th percentile per-packet one-way delay: 193.520 ms

Loss rate: 0.15%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-25 17:58:48

End at: 2018-07-25 17:59:18

Local clock offset: -0.013 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-07-25 20:37:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1068.42 Mbit/s

95th percentile per-packet one-way delay: 181.738 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 625.05 Mbit/s

95th percentile per-packet one-way delay: 214.745 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 477.65 Mbit/s

95th percentile per-packet one-way delay: 145.960 ms

Loss rate: 0.00%

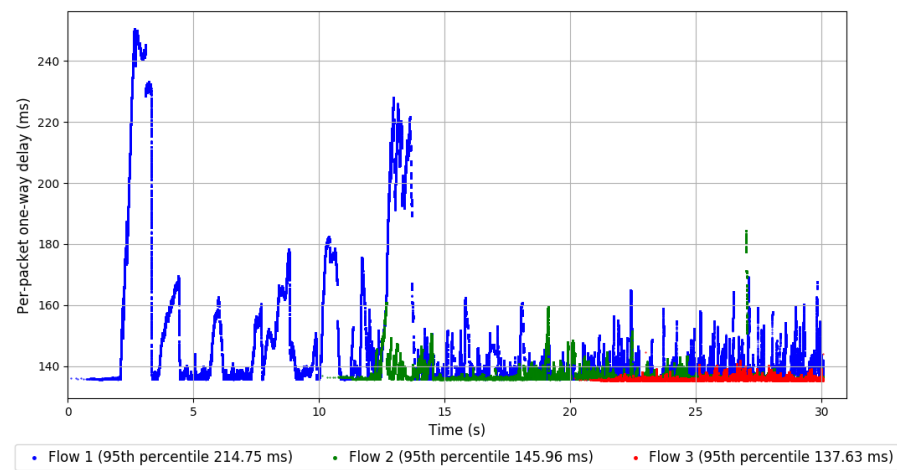
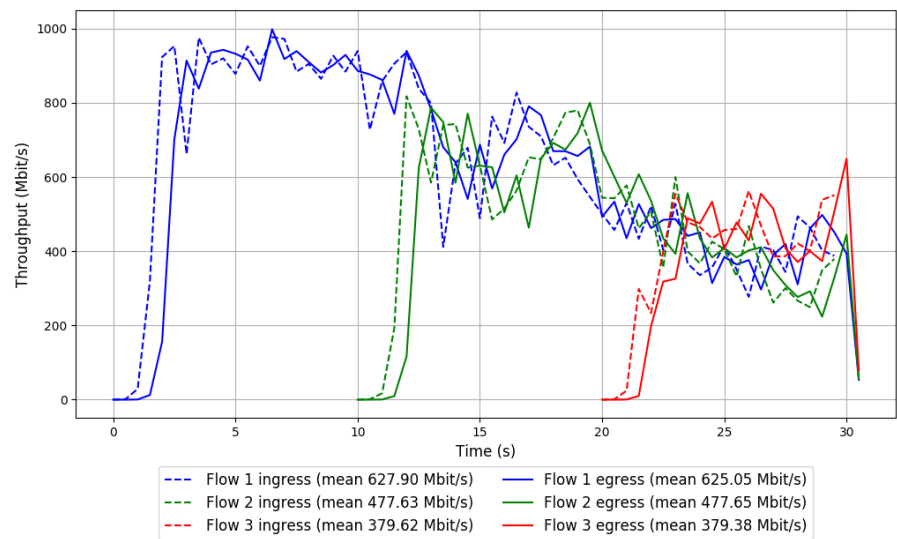
-- Flow 3:

Average throughput: 379.38 Mbit/s

95th percentile per-packet one-way delay: 137.630 ms

Loss rate: 0.00%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-25 18:25:45

End at: 2018-07-25 18:26:15

Local clock offset: 0.171 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2018-07-25 20:37:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1114.14 Mbit/s

95th percentile per-packet one-way delay: 190.895 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 656.42 Mbit/s

95th percentile per-packet one-way delay: 185.768 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 482.22 Mbit/s

95th percentile per-packet one-way delay: 209.427 ms

Loss rate: 1.12%

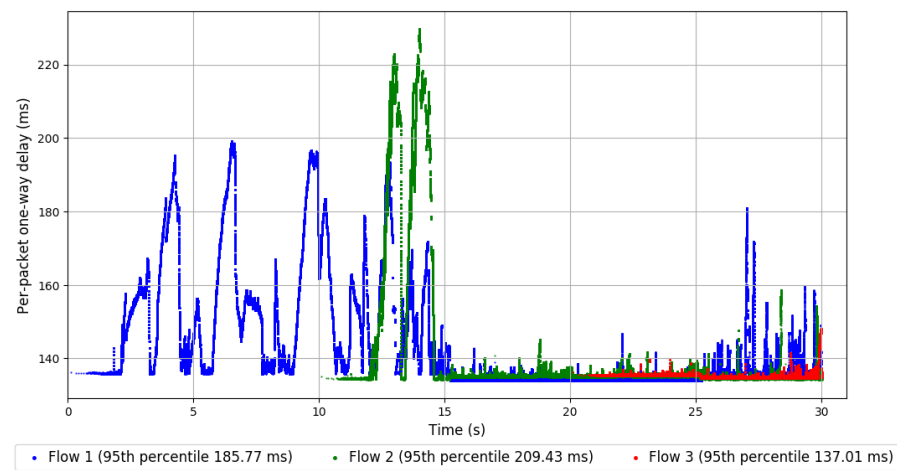
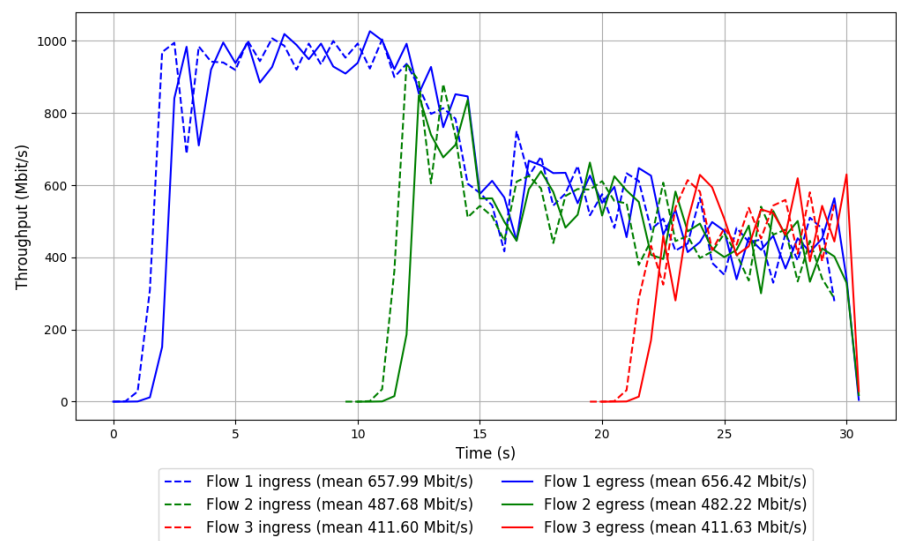
-- Flow 3:

Average throughput: 411.63 Mbit/s

95th percentile per-packet one-way delay: 137.009 ms

Loss rate: 0.00%

Run 8: Report of FillP — Data Link

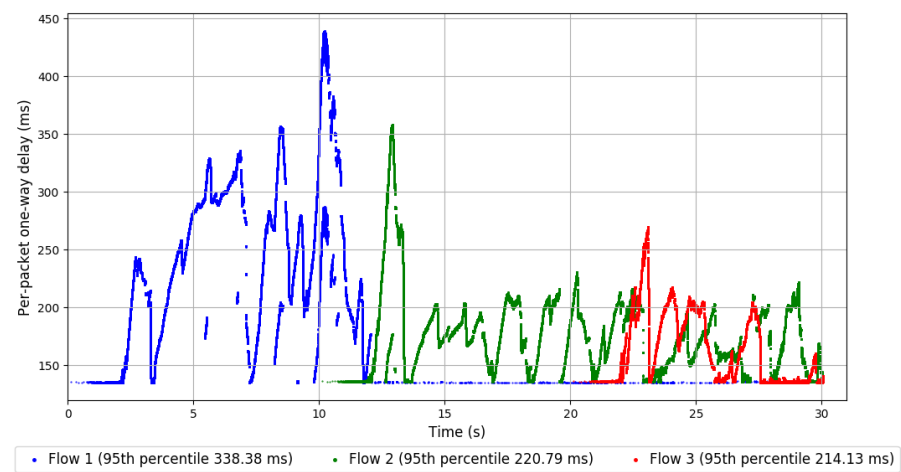
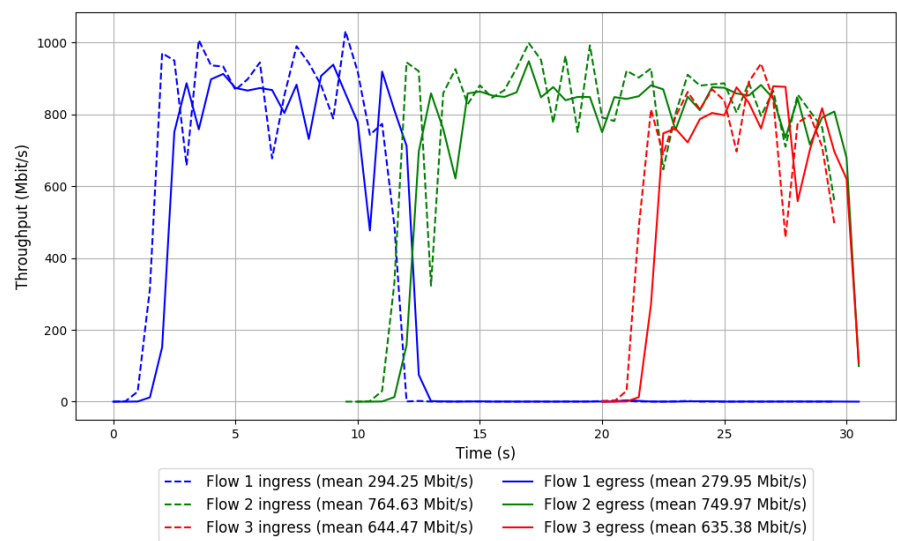


Run 9: Statistics of FillP

Start at: 2018-07-25 18:52:33
End at: 2018-07-25 18:53:03
Local clock offset: 0.207 ms
Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-07-25 20:54:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 990.22 Mbit/s
95th percentile per-packet one-way delay: 307.461 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 279.95 Mbit/s
95th percentile per-packet one-way delay: 338.381 ms
Loss rate: 4.86%
-- Flow 2:
Average throughput: 749.97 Mbit/s
95th percentile per-packet one-way delay: 220.792 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 635.38 Mbit/s
95th percentile per-packet one-way delay: 214.126 ms
Loss rate: 1.41%

Run 9: Report of FillP — Data Link

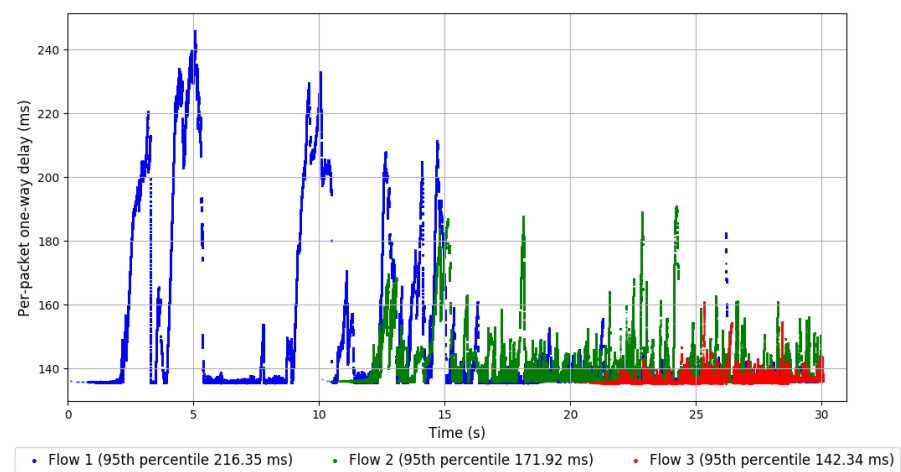
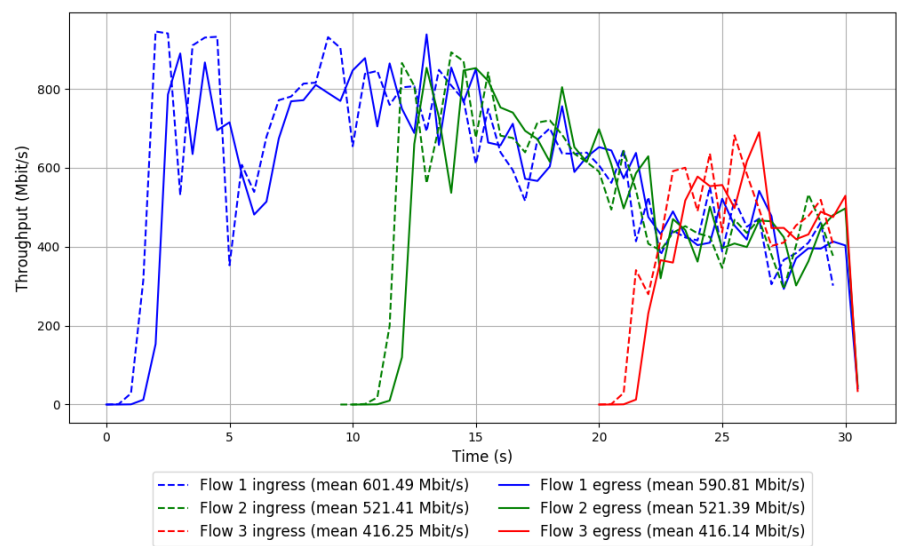


Run 10: Statistics of FillP

Start at: 2018-07-25 19:19:11
End at: 2018-07-25 19:19:41
Local clock offset: -0.061 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-07-25 20:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1075.82 Mbit/s
95th percentile per-packet one-way delay: 203.985 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 590.81 Mbit/s
95th percentile per-packet one-way delay: 216.349 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 521.39 Mbit/s
95th percentile per-packet one-way delay: 171.920 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 416.14 Mbit/s
95th percentile per-packet one-way delay: 142.345 ms
Loss rate: 0.04%

Run 10: Report of FillP — Data Link

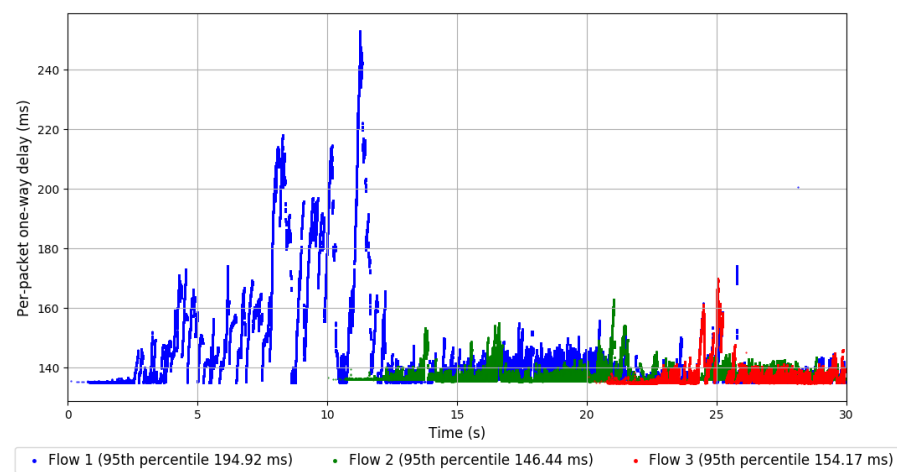
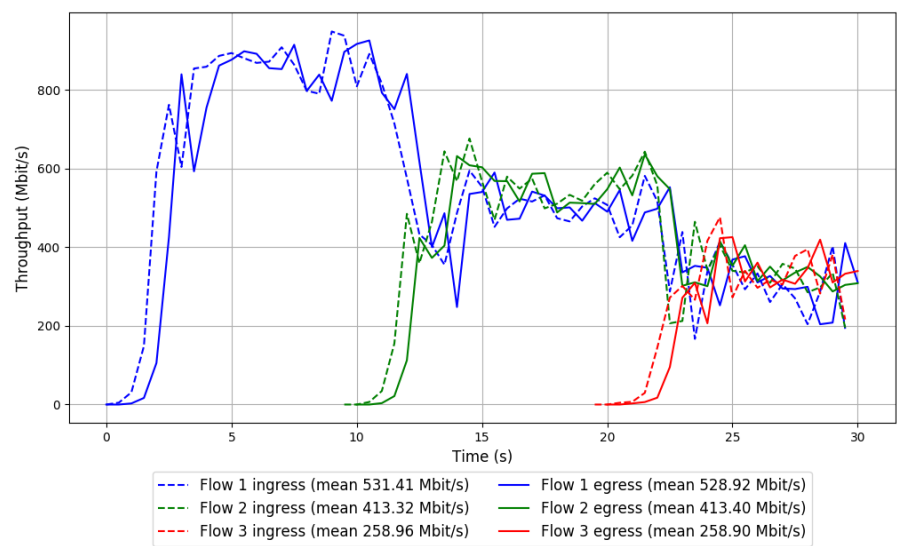


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 14:59:05
End at: 2018-07-25 14:59:35
Local clock offset: -0.136 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-07-25 20:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 890.45 Mbit/s
95th percentile per-packet one-way delay: 185.753 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 528.92 Mbit/s
95th percentile per-packet one-way delay: 194.919 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 413.40 Mbit/s
95th percentile per-packet one-way delay: 146.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 258.90 Mbit/s
95th percentile per-packet one-way delay: 154.174 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

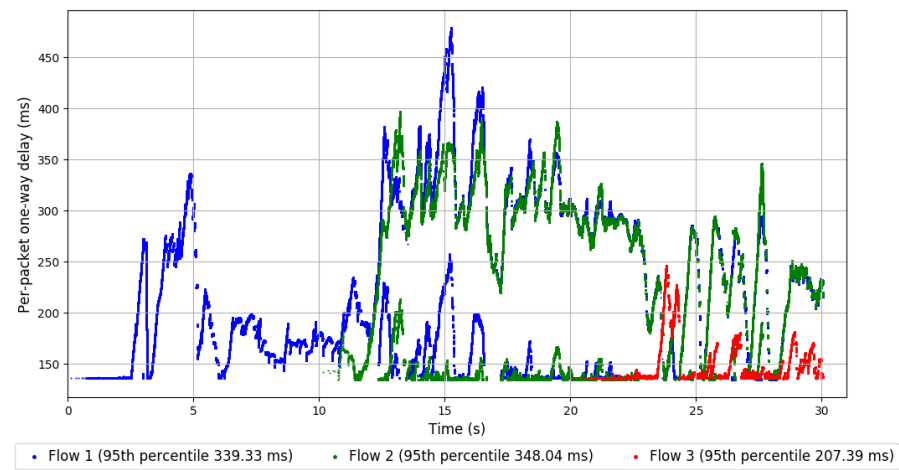
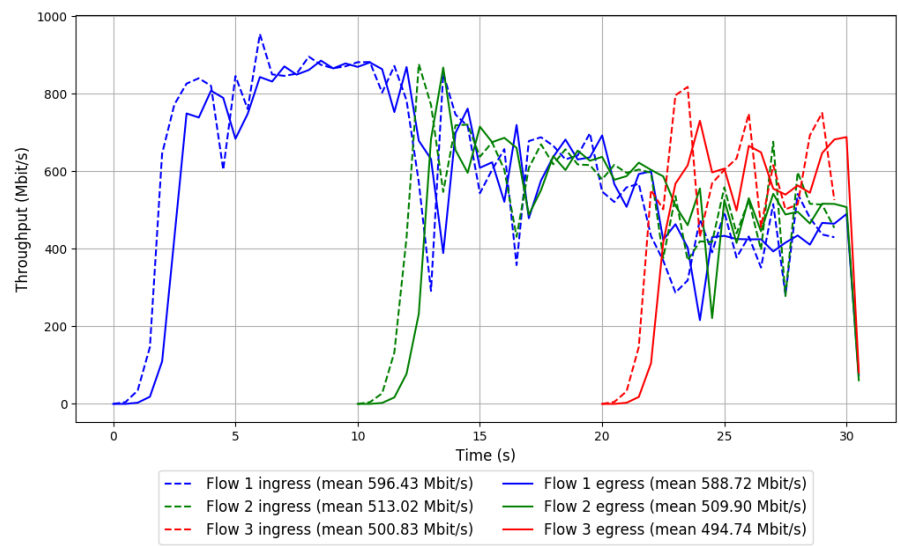


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 15:26:14
End at: 2018-07-25 15:26:44
Local clock offset: 0.25 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-07-25 21:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1091.44 Mbit/s
95th percentile per-packet one-way delay: 338.518 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 588.72 Mbit/s
95th percentile per-packet one-way delay: 339.333 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 509.90 Mbit/s
95th percentile per-packet one-way delay: 348.035 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 494.74 Mbit/s
95th percentile per-packet one-way delay: 207.392 ms
Loss rate: 1.21%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 15:52:50

End at: 2018-07-25 15:53:20

Local clock offset: -0.008 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-07-25 21:02:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1102.70 Mbit/s

95th percentile per-packet one-way delay: 227.624 ms

Loss rate: 2.31%

-- Flow 1:

Average throughput: 603.13 Mbit/s

95th percentile per-packet one-way delay: 241.851 ms

Loss rate: 3.32%

-- Flow 2:

Average throughput: 543.04 Mbit/s

95th percentile per-packet one-way delay: 205.101 ms

Loss rate: 1.47%

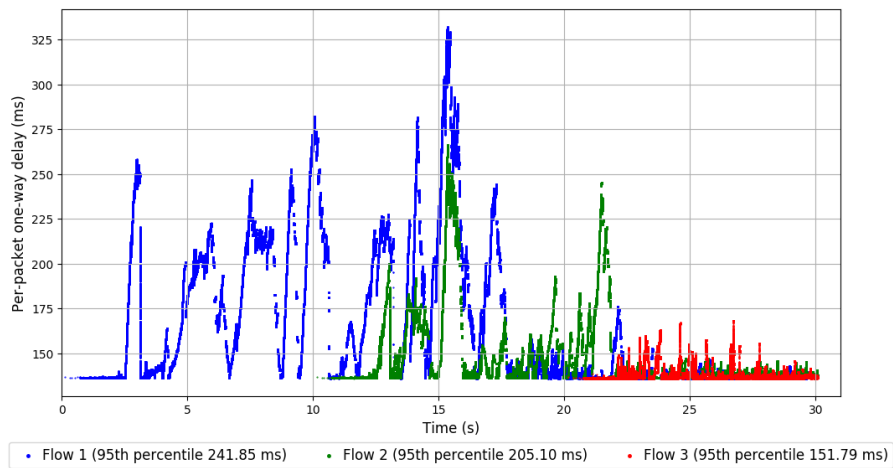
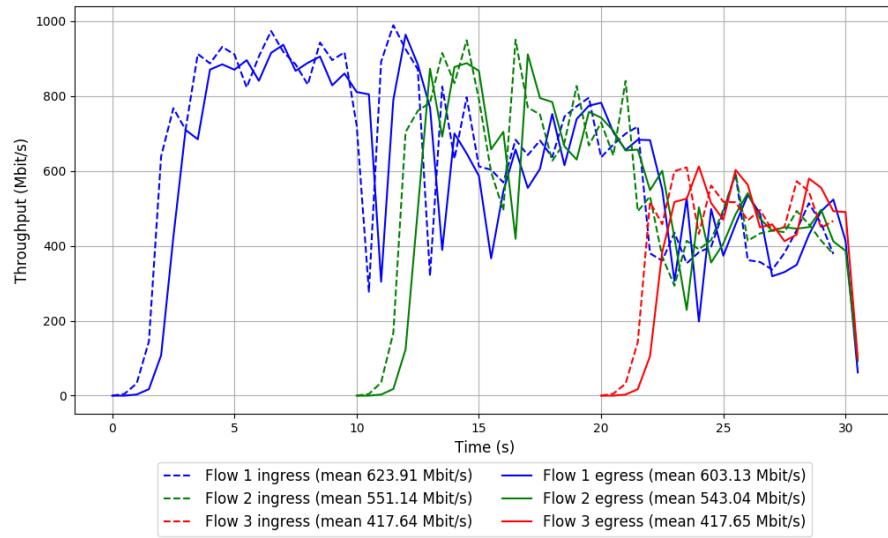
-- Flow 3:

Average throughput: 417.65 Mbit/s

95th percentile per-packet one-way delay: 151.789 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 16:20:05

End at: 2018-07-25 16:20:35

Local clock offset: 0.111 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-07-25 21:02:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 933.46 Mbit/s

95th percentile per-packet one-way delay: 266.783 ms

Loss rate: 1.81%

-- Flow 1:

Average throughput: 515.69 Mbit/s

95th percentile per-packet one-way delay: 263.203 ms

Loss rate: 2.76%

-- Flow 2:

Average throughput: 447.62 Mbit/s

95th percentile per-packet one-way delay: 276.619 ms

Loss rate: 0.84%

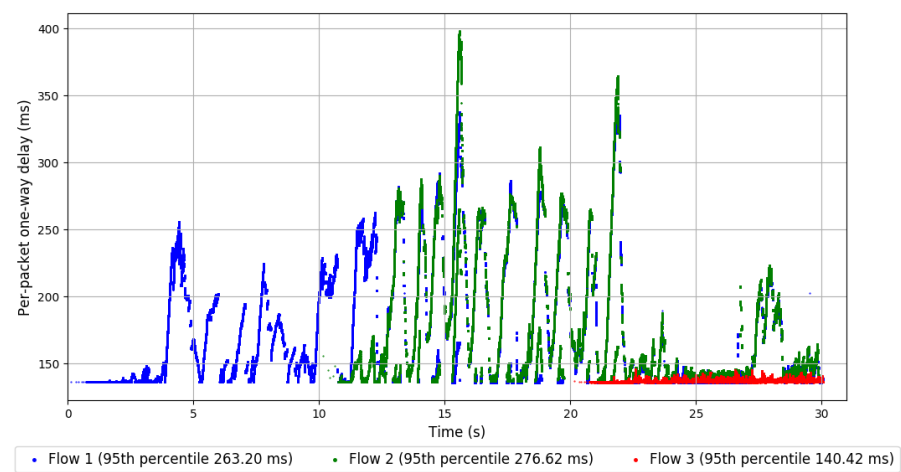
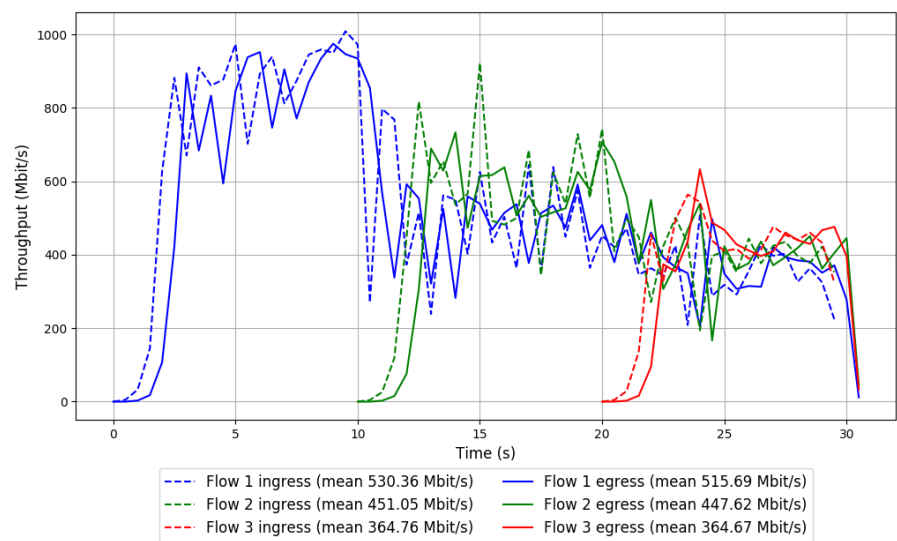
-- Flow 3:

Average throughput: 364.67 Mbit/s

95th percentile per-packet one-way delay: 140.420 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 16:46:47

End at: 2018-07-25 16:47:17

Local clock offset: -0.334 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-25 21:08:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1231.21 Mbit/s

95th percentile per-packet one-way delay: 209.304 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 696.43 Mbit/s

95th percentile per-packet one-way delay: 212.261 ms

Loss rate: 1.83%

-- Flow 2:

Average throughput: 583.37 Mbit/s

95th percentile per-packet one-way delay: 205.659 ms

Loss rate: 0.61%

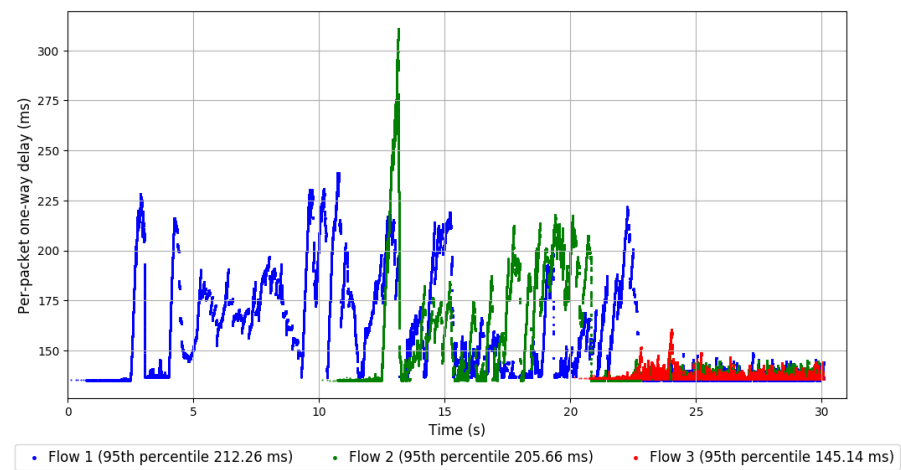
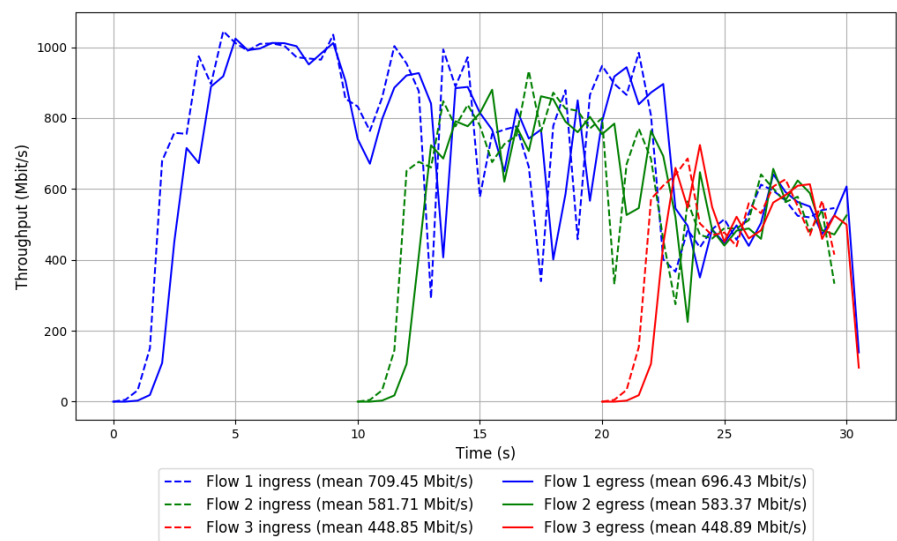
-- Flow 3:

Average throughput: 448.89 Mbit/s

95th percentile per-packet one-way delay: 145.141 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 17:13:52

End at: 2018-07-25 17:14:22

Local clock offset: -0.407 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-25 21:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1182.12 Mbit/s

95th percentile per-packet one-way delay: 234.426 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 684.71 Mbit/s

95th percentile per-packet one-way delay: 238.719 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 528.50 Mbit/s

95th percentile per-packet one-way delay: 232.945 ms

Loss rate: 3.50%

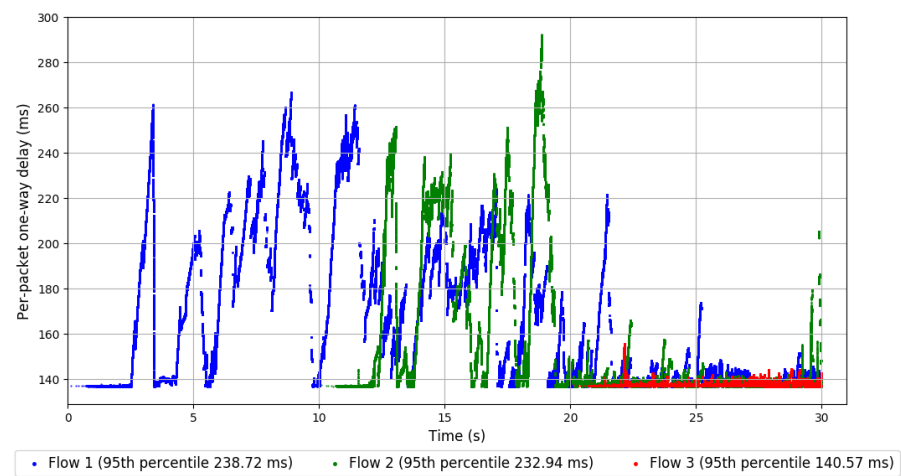
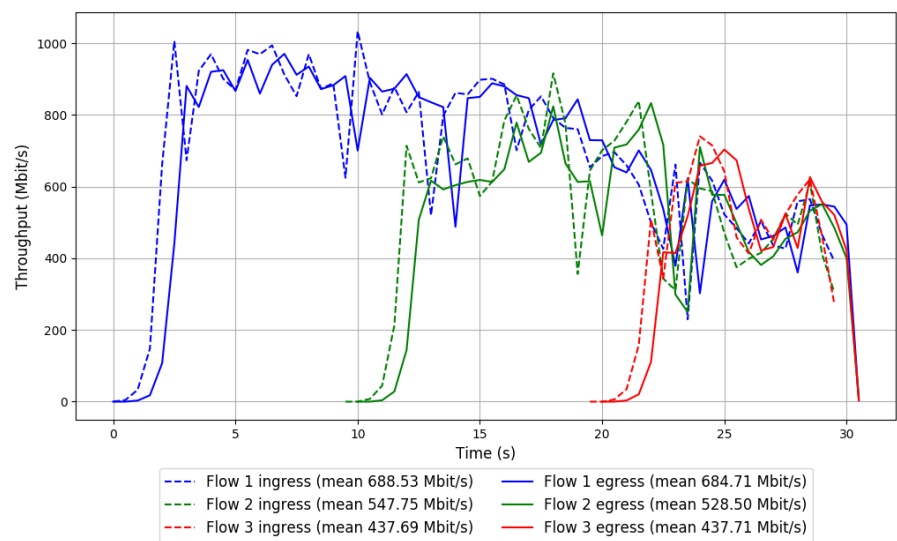
-- Flow 3:

Average throughput: 437.71 Mbit/s

95th percentile per-packet one-way delay: 140.571 ms

Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 17:41:10

End at: 2018-07-25 17:41:40

Local clock offset: -0.027 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-25 21:27:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1183.59 Mbit/s

95th percentile per-packet one-way delay: 210.931 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 649.58 Mbit/s

95th percentile per-packet one-way delay: 220.450 ms

Loss rate: 1.99%

-- Flow 2:

Average throughput: 568.97 Mbit/s

95th percentile per-packet one-way delay: 206.148 ms

Loss rate: 0.42%

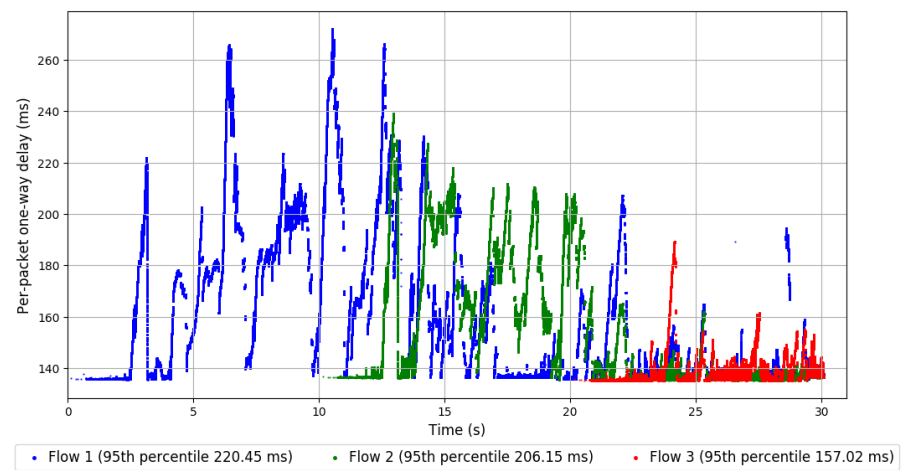
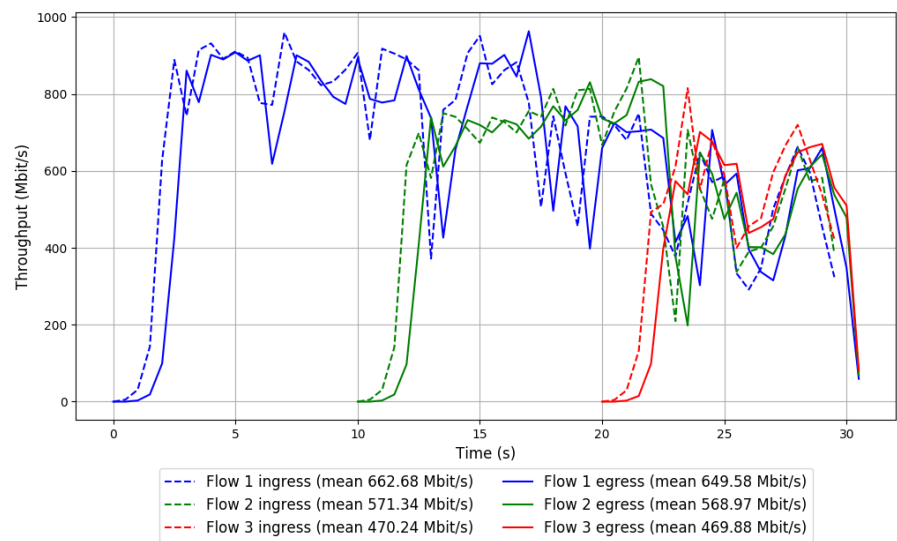
-- Flow 3:

Average throughput: 469.88 Mbit/s

95th percentile per-packet one-way delay: 157.016 ms

Loss rate: 0.05%

Run 7: Report of FillP-Sheep — Data Link

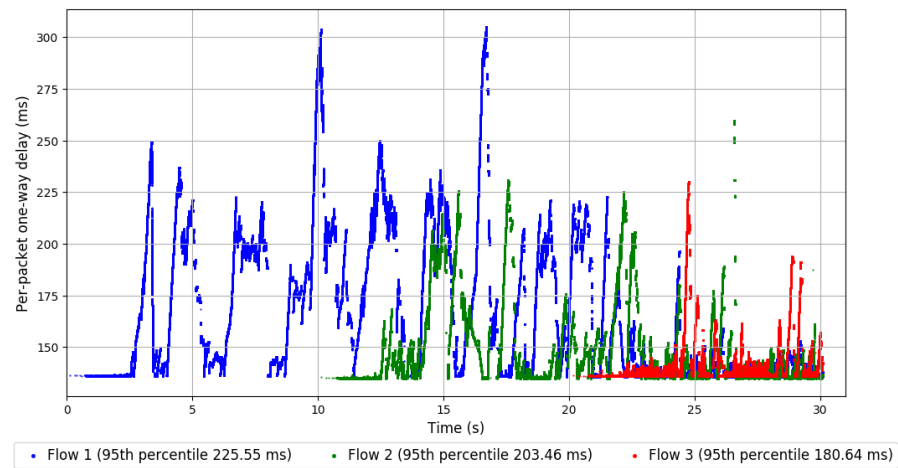
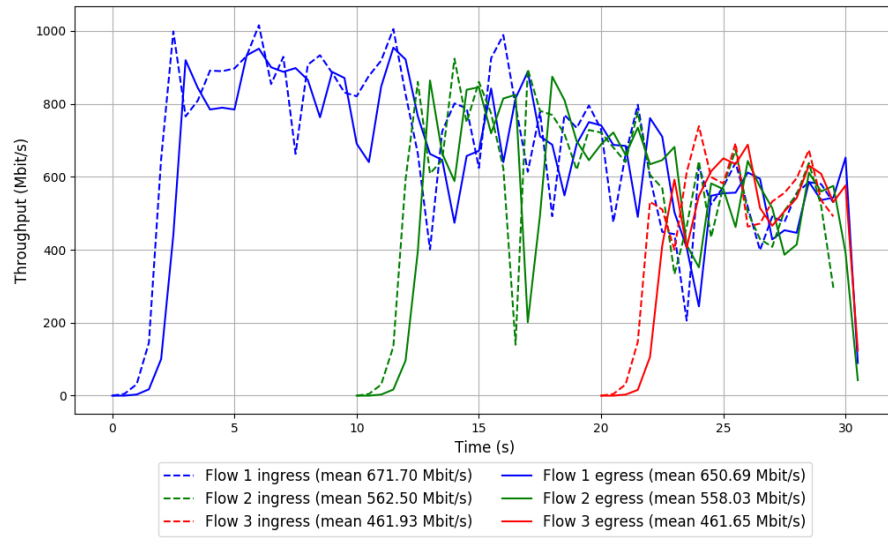


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 18:08:22
End at: 2018-07-25 18:08:52
Local clock offset: 0.067 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-25 21:27:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1175.21 Mbit/s
95th percentile per-packet one-way delay: 217.811 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 650.69 Mbit/s
95th percentile per-packet one-way delay: 225.547 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 558.03 Mbit/s
95th percentile per-packet one-way delay: 203.461 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 461.65 Mbit/s
95th percentile per-packet one-way delay: 180.639 ms
Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link

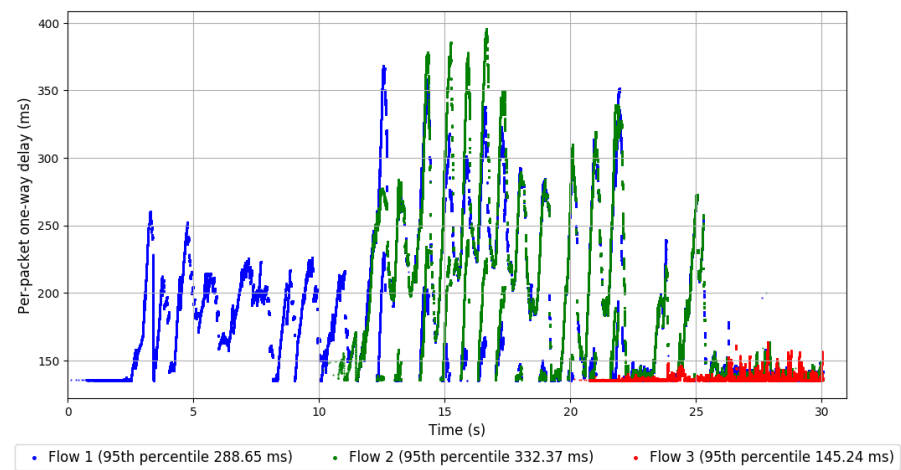
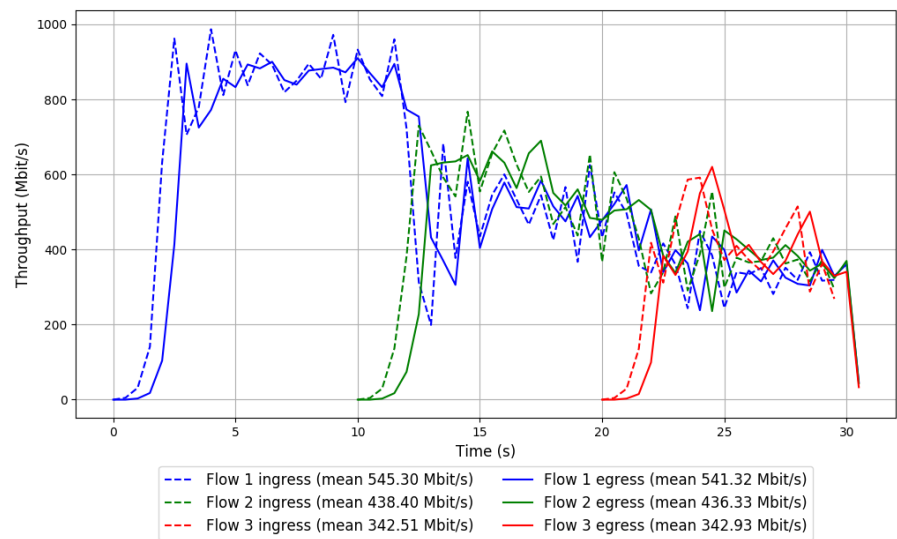


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 18:35:23
End at: 2018-07-25 18:35:53
Local clock offset: 0.303 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-07-25 21:27:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 944.67 Mbit/s
95th percentile per-packet one-way delay: 298.561 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 541.32 Mbit/s
95th percentile per-packet one-way delay: 288.651 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 436.33 Mbit/s
95th percentile per-packet one-way delay: 332.372 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 342.93 Mbit/s
95th percentile per-packet one-way delay: 145.236 ms
Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 19:02:01

End at: 2018-07-25 19:02:31

Local clock offset: -0.056 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 1151.36 Mbit/s

95th percentile per-packet one-way delay: 209.942 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 624.60 Mbit/s

95th percentile per-packet one-way delay: 218.646 ms

Loss rate: 1.99%

-- Flow 2:

Average throughput: 579.41 Mbit/s

95th percentile per-packet one-way delay: 186.595 ms

Loss rate: 0.18%

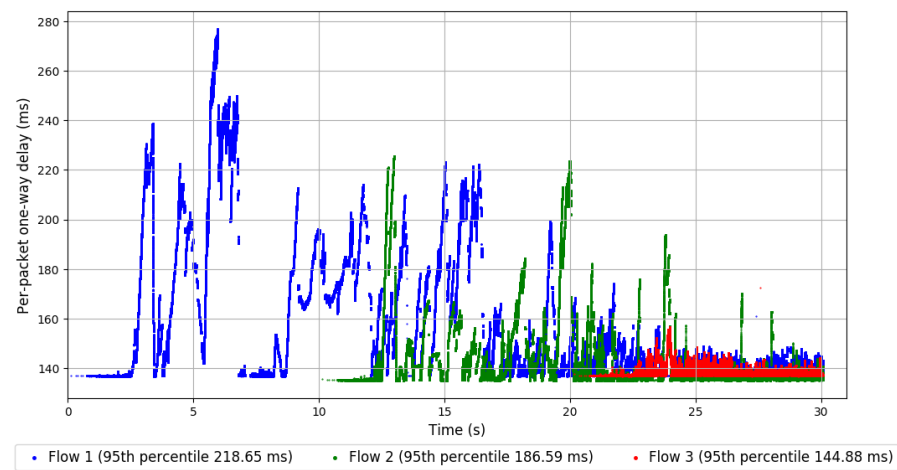
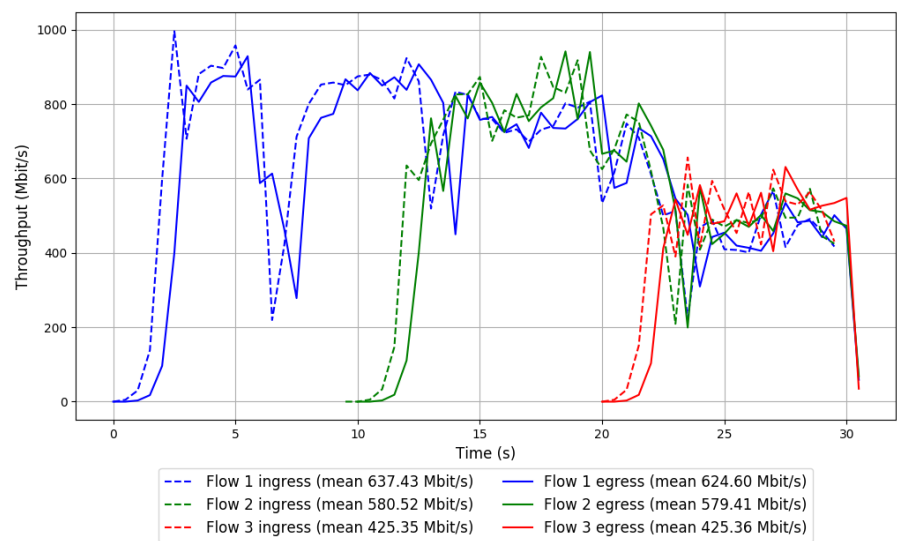
-- Flow 3:

Average throughput: 425.36 Mbit/s

95th percentile per-packet one-way delay: 144.878 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

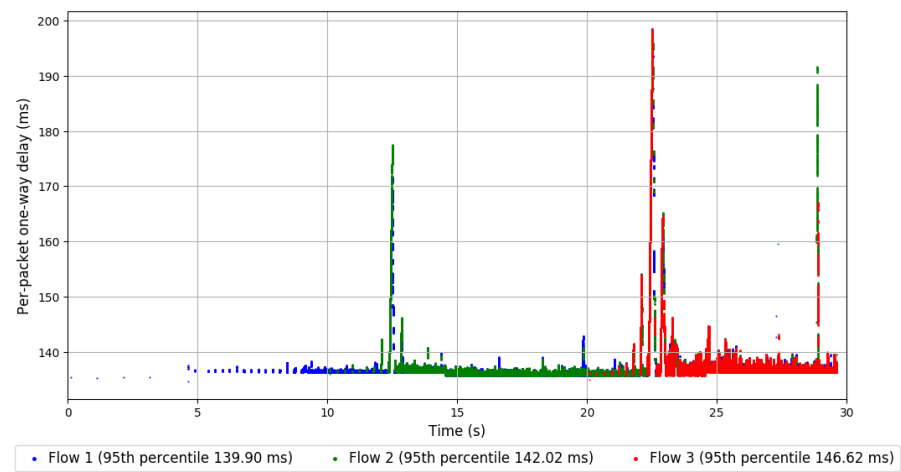
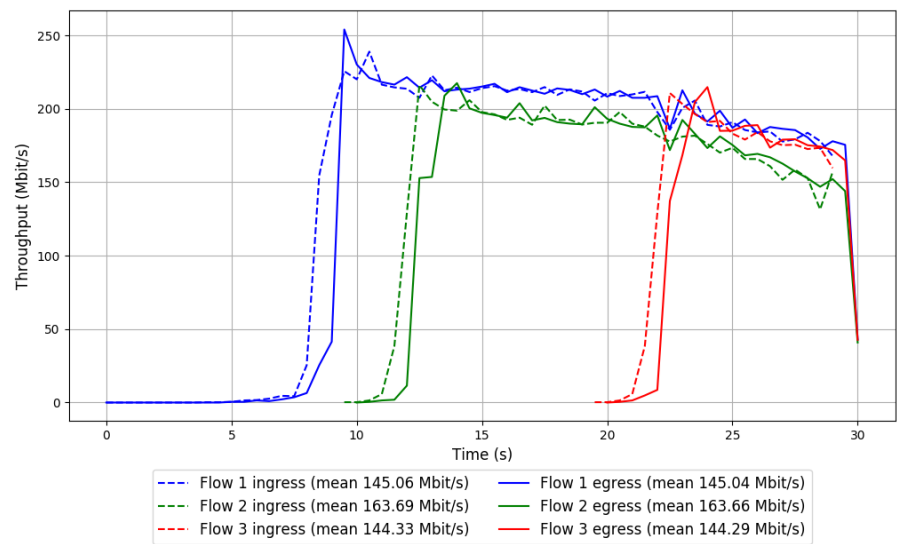


Run 1: Statistics of Indigo

Start at: 2018-07-25 15:23:15
End at: 2018-07-25 15:23:45
Local clock offset: -0.037 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-25 21:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.04 Mbit/s
95th percentile per-packet one-way delay: 141.524 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 145.04 Mbit/s
95th percentile per-packet one-way delay: 139.896 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 163.66 Mbit/s
95th percentile per-packet one-way delay: 142.024 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.29 Mbit/s
95th percentile per-packet one-way delay: 146.621 ms
Loss rate: 0.01%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-25 15:49:45

End at: 2018-07-25 15:50:15

Local clock offset: -0.033 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.60 Mbit/s

95th percentile per-packet one-way delay: 139.361 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 171.07 Mbit/s

95th percentile per-packet one-way delay: 138.540 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 167.35 Mbit/s

95th percentile per-packet one-way delay: 139.521 ms

Loss rate: 0.00%

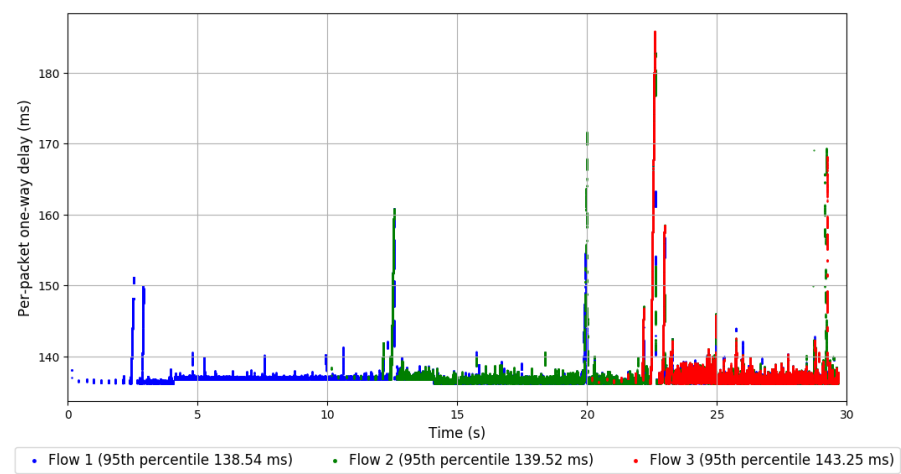
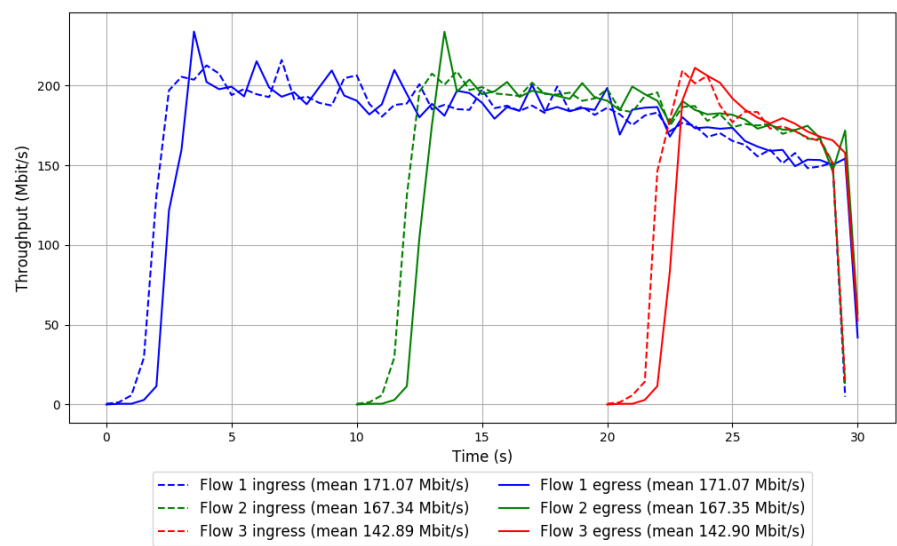
-- Flow 3:

Average throughput: 142.90 Mbit/s

95th percentile per-packet one-way delay: 143.249 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

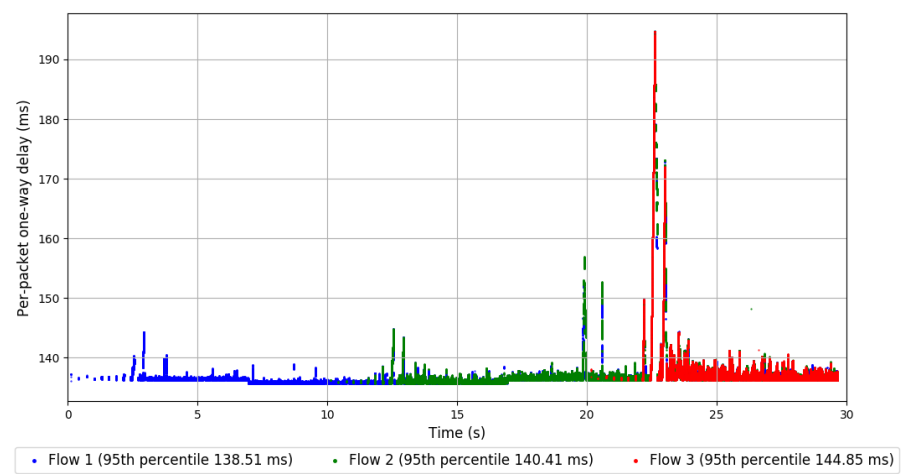
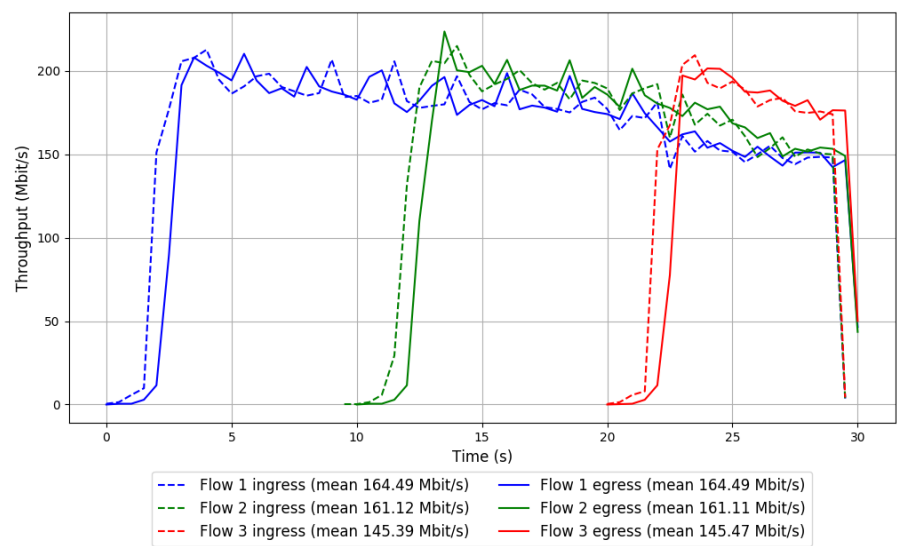


Run 3: Statistics of Indigo

Start at: 2018-07-25 16:17:02
End at: 2018-07-25 16:17:32
Local clock offset: 0.165 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-25 21:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 317.80 Mbit/s
95th percentile per-packet one-way delay: 139.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.49 Mbit/s
95th percentile per-packet one-way delay: 138.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 161.11 Mbit/s
95th percentile per-packet one-way delay: 140.405 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.47 Mbit/s
95th percentile per-packet one-way delay: 144.848 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-25 16:43:43

End at: 2018-07-25 16:44:13

Local clock offset: 0.127 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 328.61 Mbit/s

95th percentile per-packet one-way delay: 143.386 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 171.22 Mbit/s

95th percentile per-packet one-way delay: 141.208 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 164.97 Mbit/s

95th percentile per-packet one-way delay: 143.755 ms

Loss rate: 0.00%

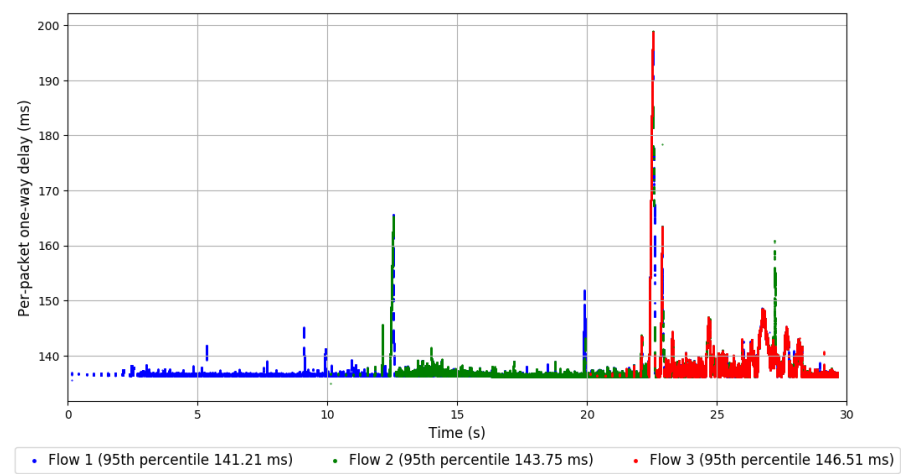
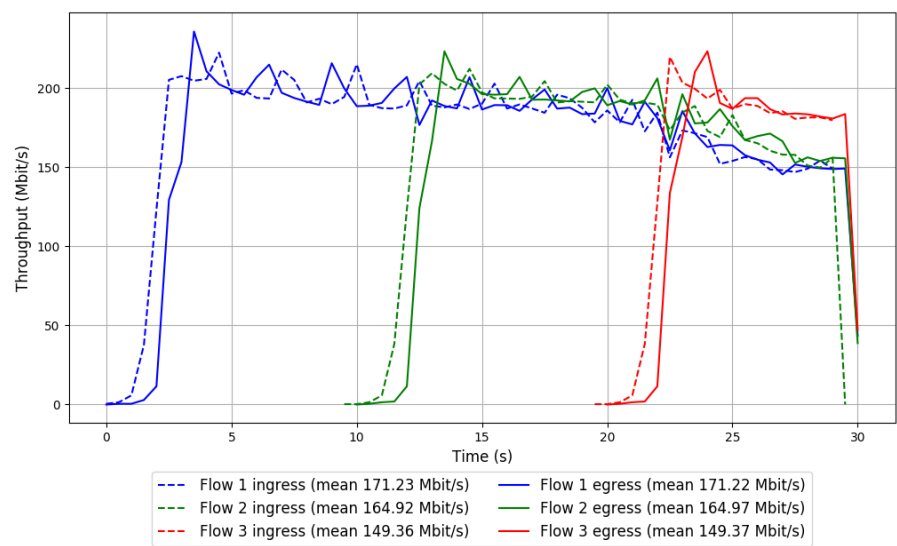
-- Flow 3:

Average throughput: 149.37 Mbit/s

95th percentile per-packet one-way delay: 146.510 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

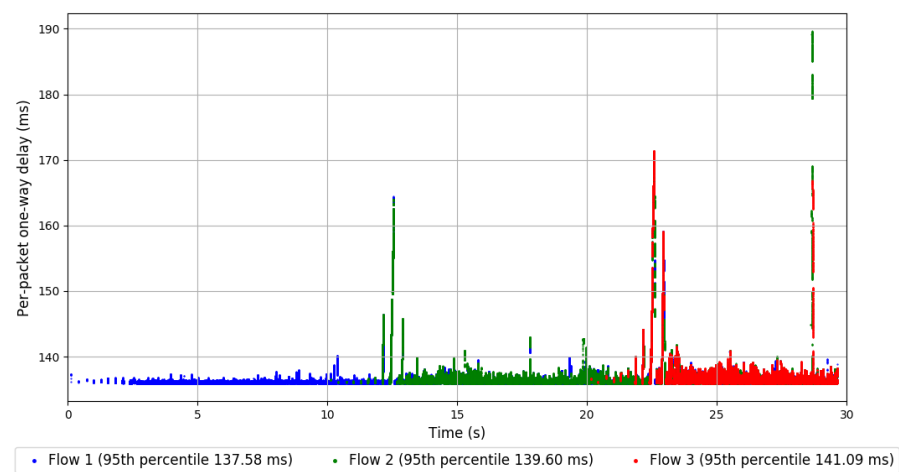
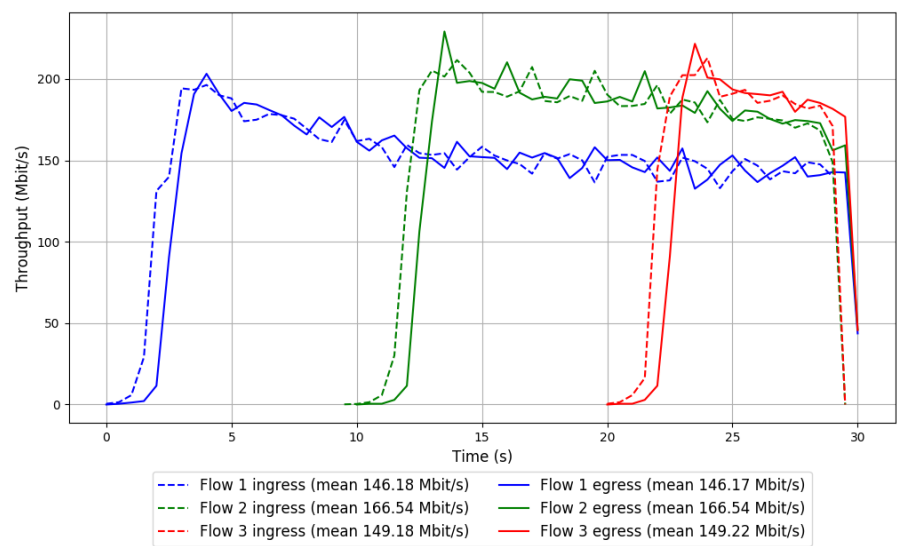


Run 5: Statistics of Indigo

Start at: 2018-07-25 17:10:48
End at: 2018-07-25 17:11:18
Local clock offset: -0.005 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-07-25 21:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.23 Mbit/s
95th percentile per-packet one-way delay: 138.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.17 Mbit/s
95th percentile per-packet one-way delay: 137.583 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.54 Mbit/s
95th percentile per-packet one-way delay: 139.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.22 Mbit/s
95th percentile per-packet one-way delay: 141.094 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-25 17:38:05

End at: 2018-07-25 17:38:35

Local clock offset: 0.015 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.42 Mbit/s

95th percentile per-packet one-way delay: 139.167 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 173.64 Mbit/s

95th percentile per-packet one-way delay: 138.373 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.98 Mbit/s

95th percentile per-packet one-way delay: 139.407 ms

Loss rate: 0.00%

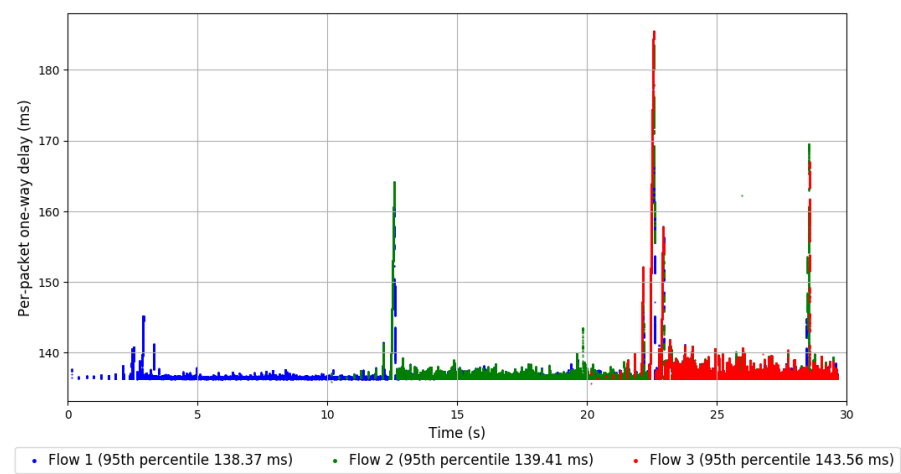
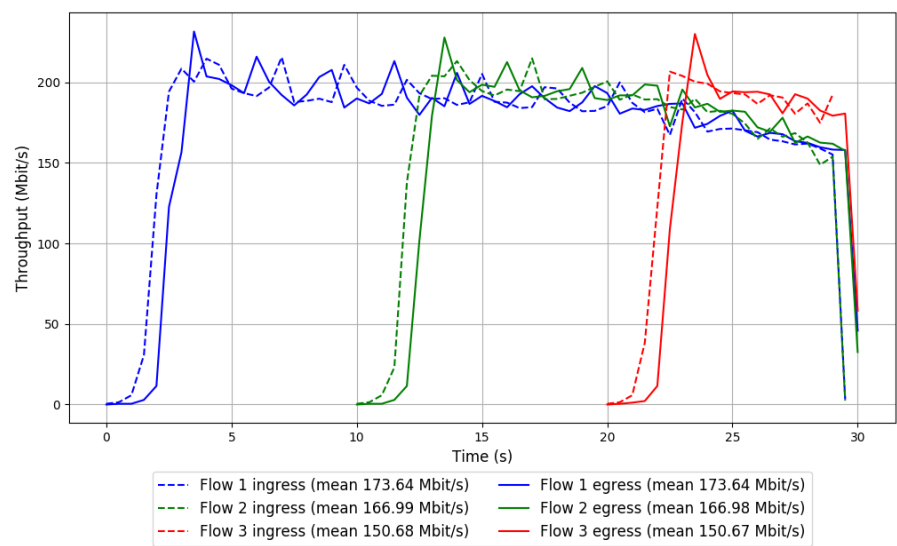
-- Flow 3:

Average throughput: 150.67 Mbit/s

95th percentile per-packet one-way delay: 143.556 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-25 18:05:18

End at: 2018-07-25 18:05:48

Local clock offset: 0.402 ms

Remote clock offset: 0.427 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.41 Mbit/s

95th percentile per-packet one-way delay: 138.733 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 177.73 Mbit/s

95th percentile per-packet one-way delay: 137.884 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 170.28 Mbit/s

95th percentile per-packet one-way delay: 139.359 ms

Loss rate: 0.00%

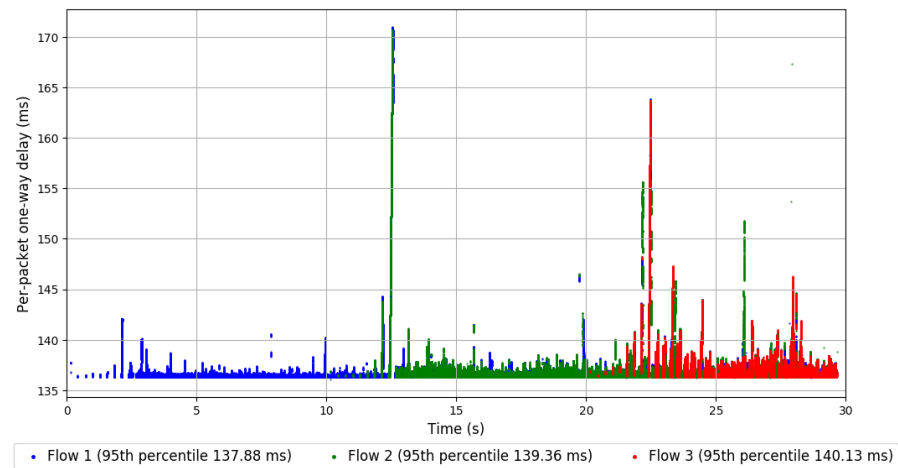
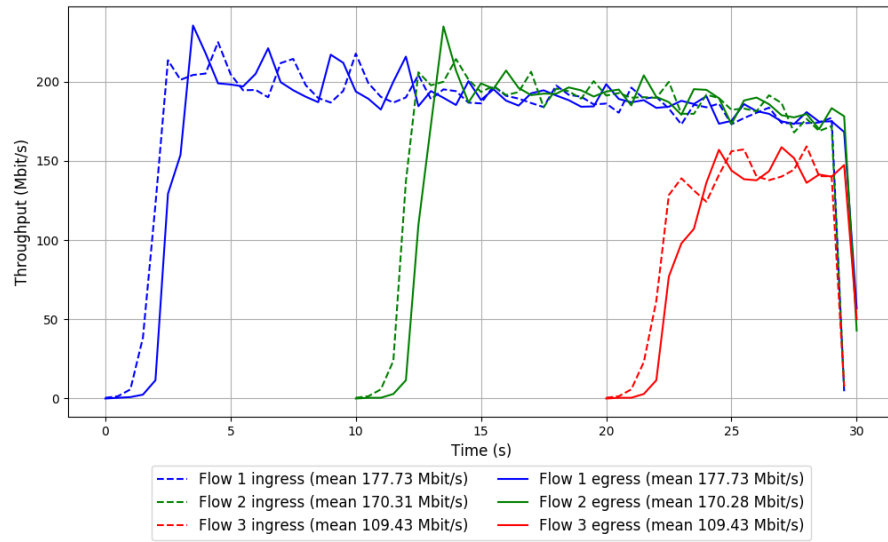
-- Flow 3:

Average throughput: 109.43 Mbit/s

95th percentile per-packet one-way delay: 140.129 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

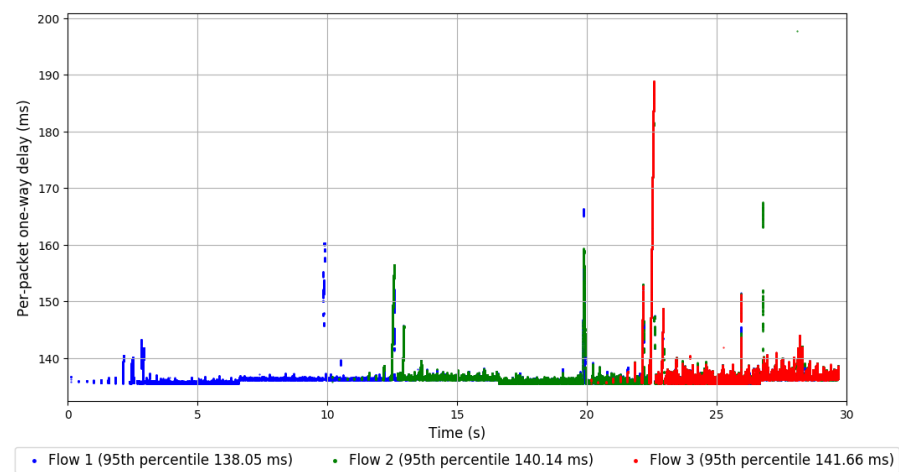
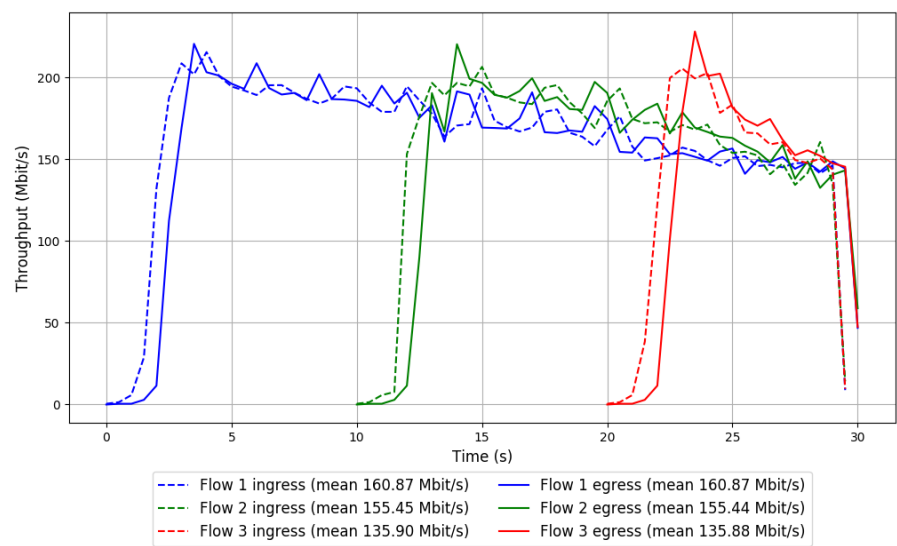


Run 8: Statistics of Indigo

Start at: 2018-07-25 18:32:23
End at: 2018-07-25 18:32:53
Local clock offset: 0.2 ms
Remote clock offset: -0.101 ms

```
# Below is generated by plot.py at 2018-07-25 21:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 307.30 Mbit/s
95th percentile per-packet one-way delay: 139.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.87 Mbit/s
95th percentile per-packet one-way delay: 138.048 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 155.44 Mbit/s
95th percentile per-packet one-way delay: 140.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.88 Mbit/s
95th percentile per-packet one-way delay: 141.656 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-25 18:58:59

End at: 2018-07-25 18:59:29

Local clock offset: 0.155 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.11 Mbit/s

95th percentile per-packet one-way delay: 137.631 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 158.49 Mbit/s

95th percentile per-packet one-way delay: 137.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.14 Mbit/s

95th percentile per-packet one-way delay: 138.084 ms

Loss rate: 0.00%

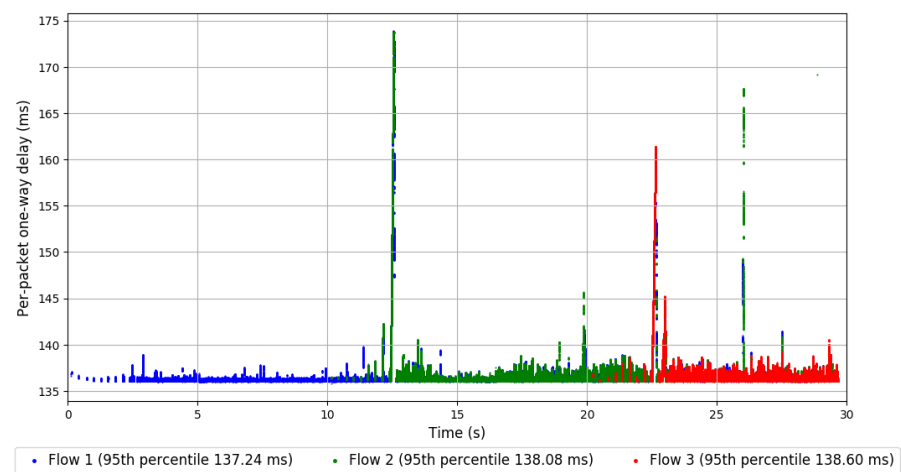
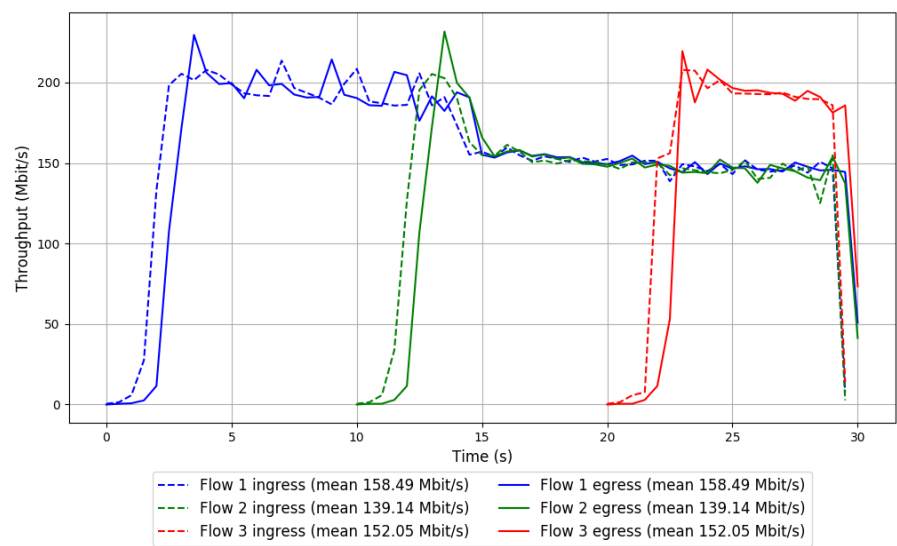
-- Flow 3:

Average throughput: 152.05 Mbit/s

95th percentile per-packet one-way delay: 138.600 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-25 19:25:50

End at: 2018-07-25 19:26:20

Local clock offset: -0.036 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.52 Mbit/s

95th percentile per-packet one-way delay: 139.529 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 174.11 Mbit/s

95th percentile per-packet one-way delay: 138.784 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 168.73 Mbit/s

95th percentile per-packet one-way delay: 139.483 ms

Loss rate: 0.00%

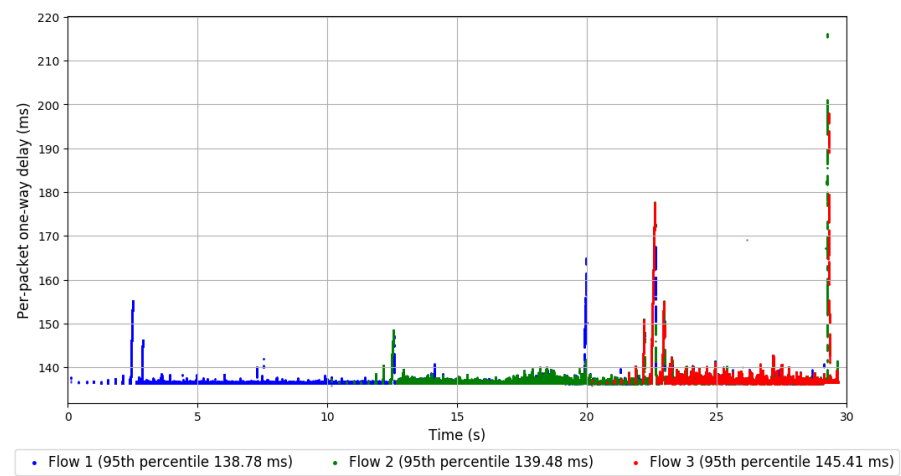
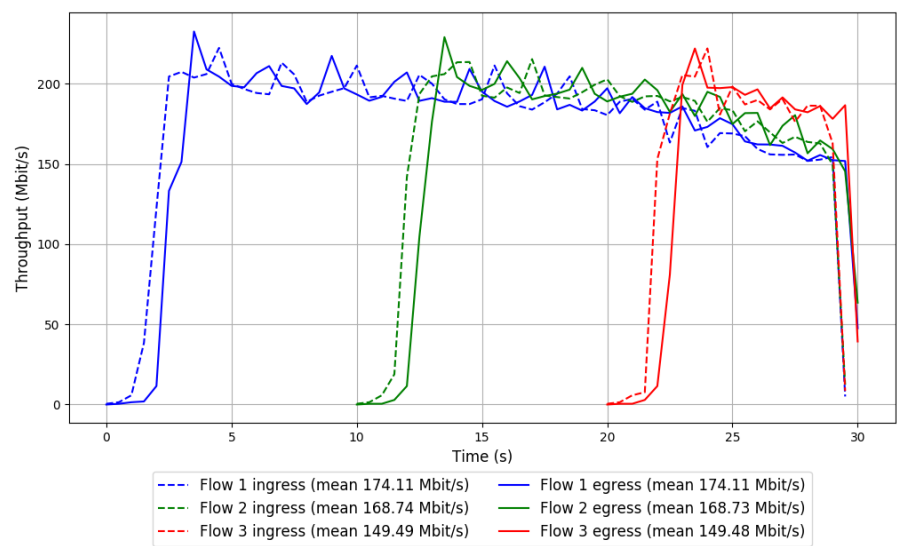
-- Flow 3:

Average throughput: 149.48 Mbit/s

95th percentile per-packet one-way delay: 145.414 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

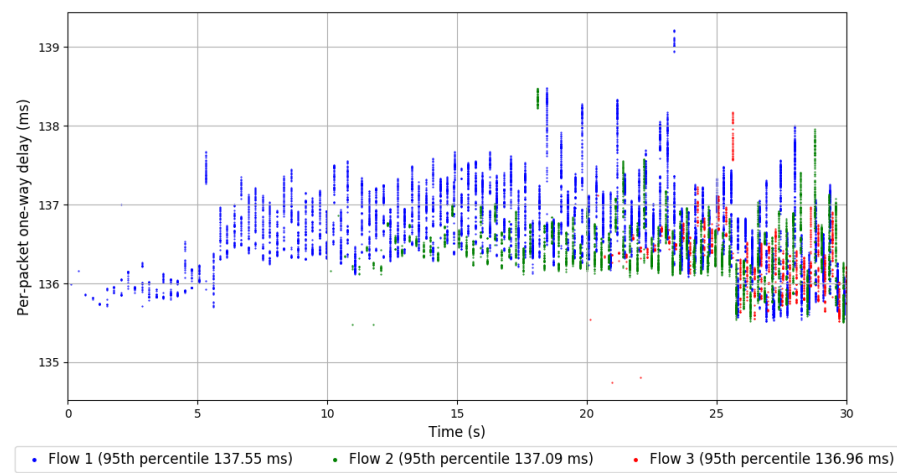
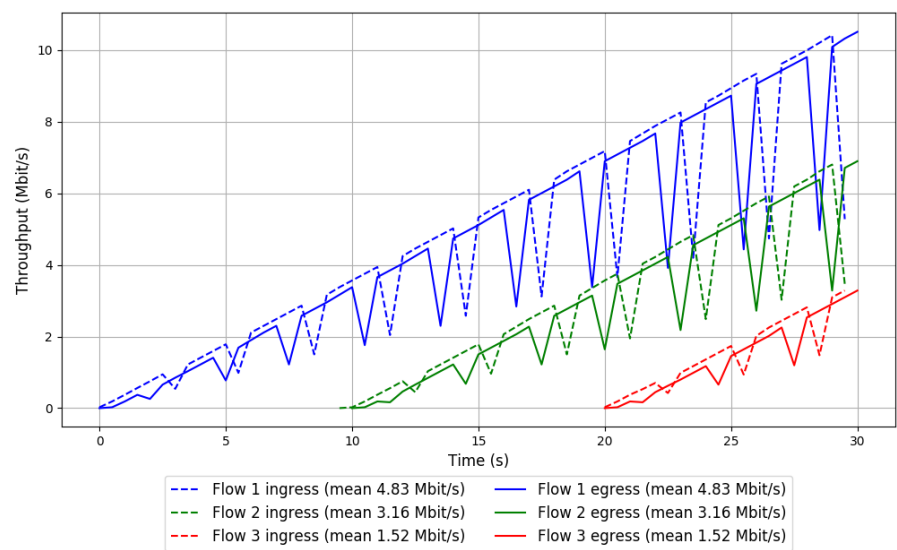


Run 1: Statistics of LEDBAT

Start at: 2018-07-25 15:12:04
End at: 2018-07-25 15:12:34
Local clock offset: -0.317 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-25 21:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 137.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 137.085 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 136.958 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-25 15:38:51

End at: 2018-07-25 15:39:21

Local clock offset: -0.186 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 136.919 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 137.262 ms

Loss rate: 0.00%

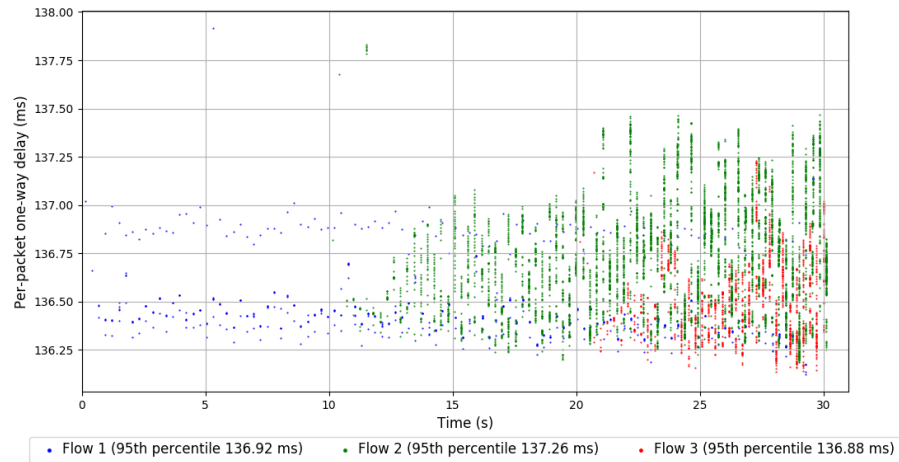
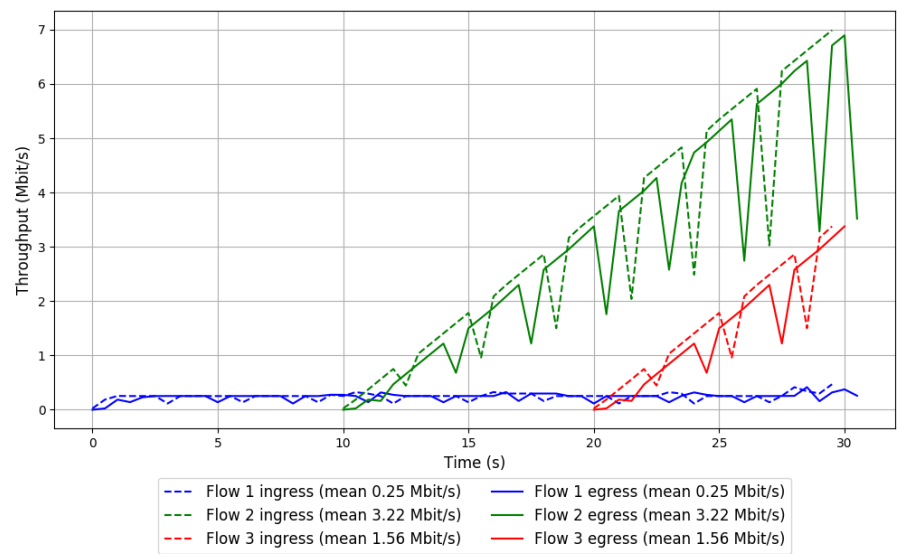
-- Flow 3:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 136.880 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

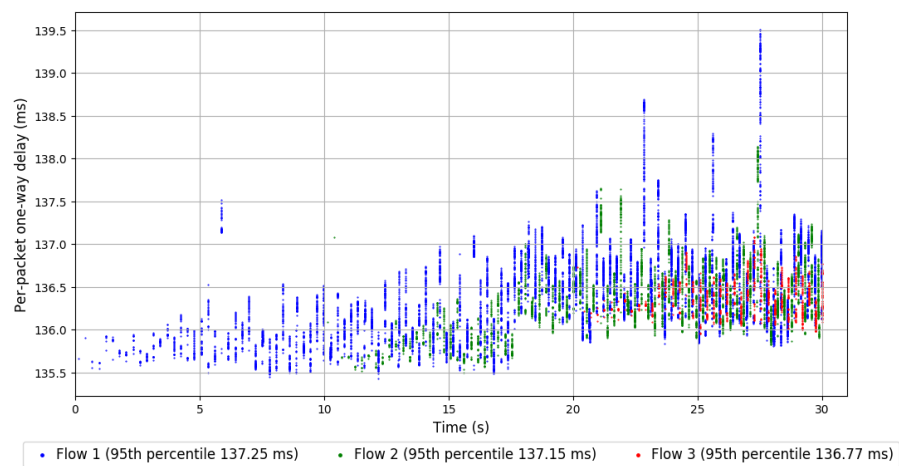
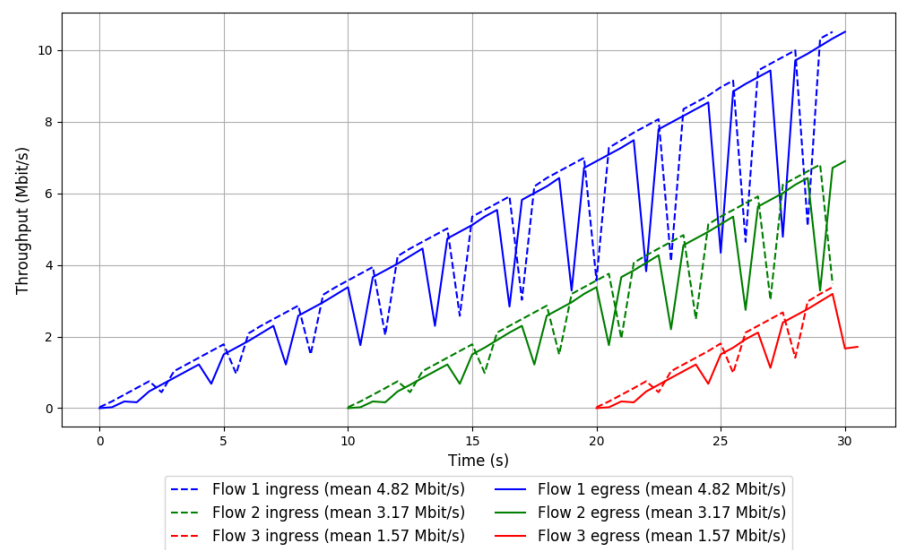


Run 3: Statistics of LEDBAT

Start at: 2018-07-25 16:05:42
End at: 2018-07-25 16:06:12
Local clock offset: 0.184 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-07-25 21:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 137.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 137.146 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 136.768 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

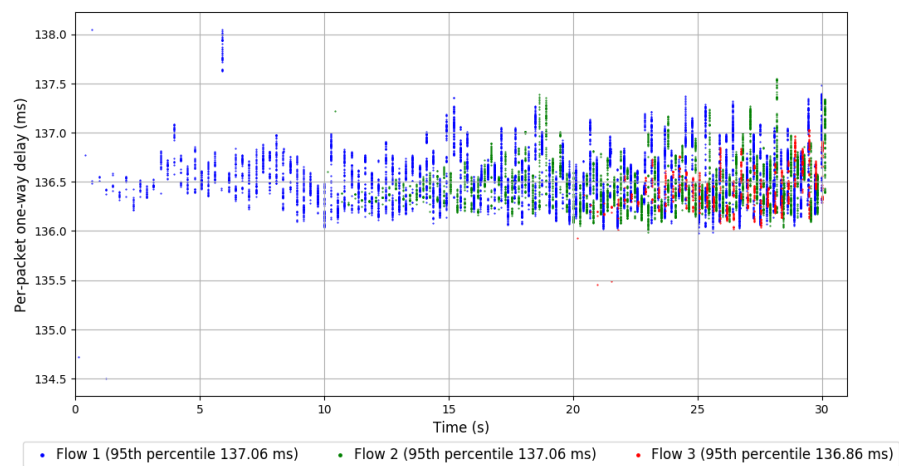
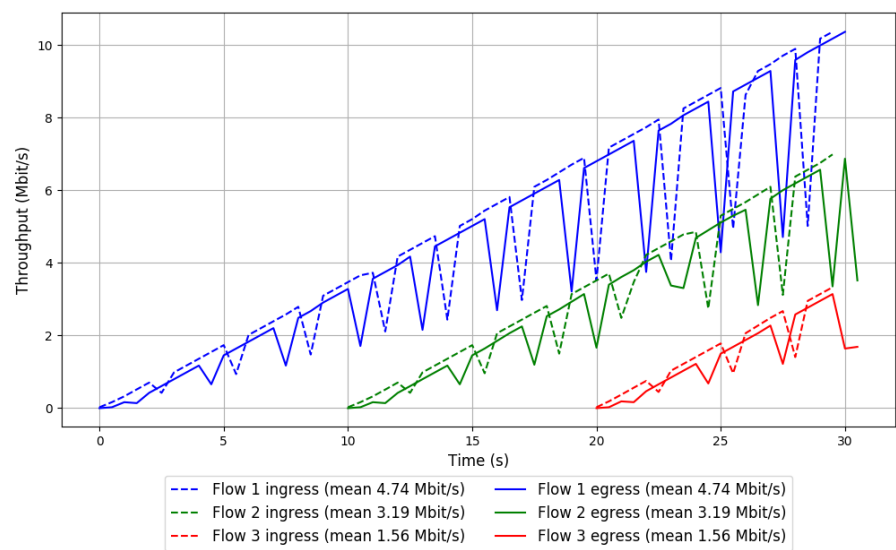


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 16:32:51
End at: 2018-07-25 16:33:21
Local clock offset: 0.024 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-07-25 21:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 137.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 137.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 136.860 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-25 16:59:38

End at: 2018-07-25 17:00:08

Local clock offset: -0.122 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 137.752 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 137.806 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 137.643 ms

Loss rate: 0.00%

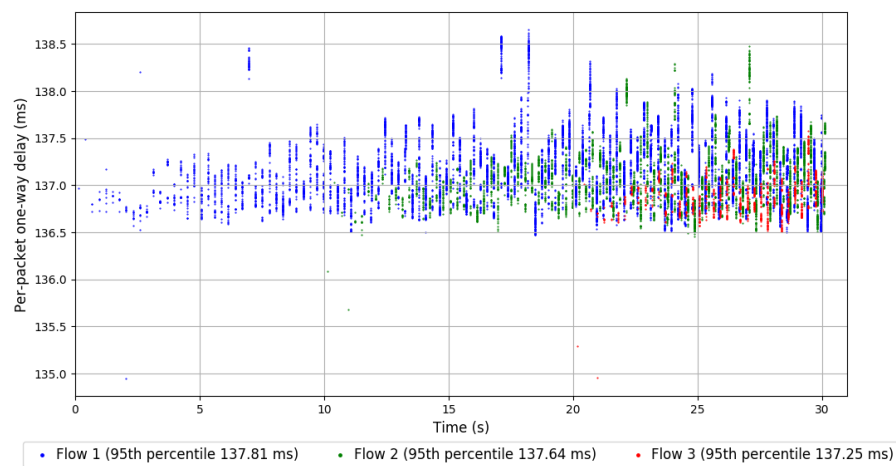
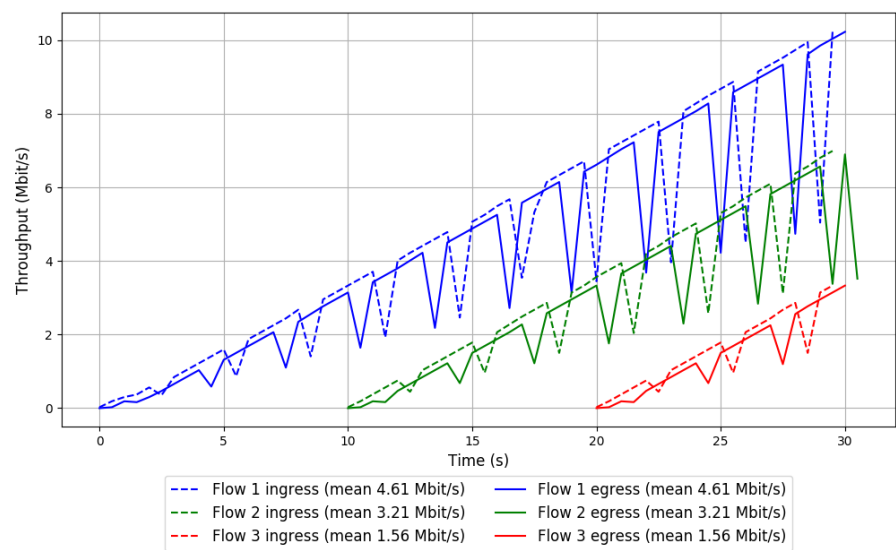
-- Flow 3:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 137.249 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

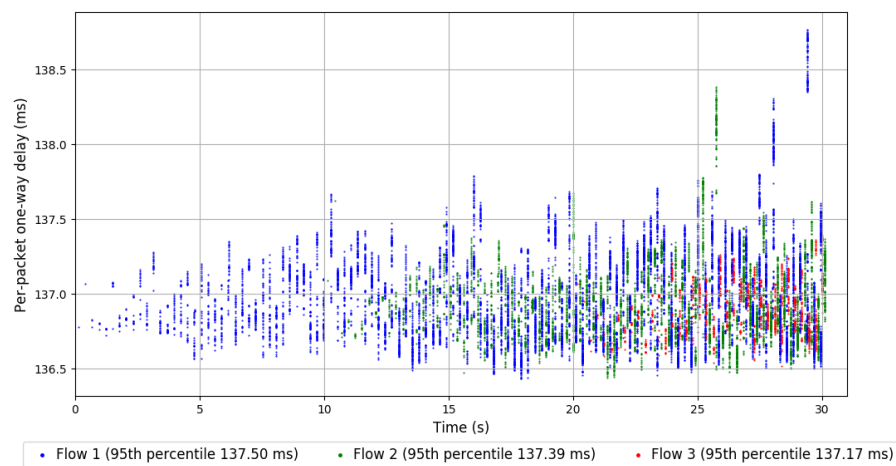
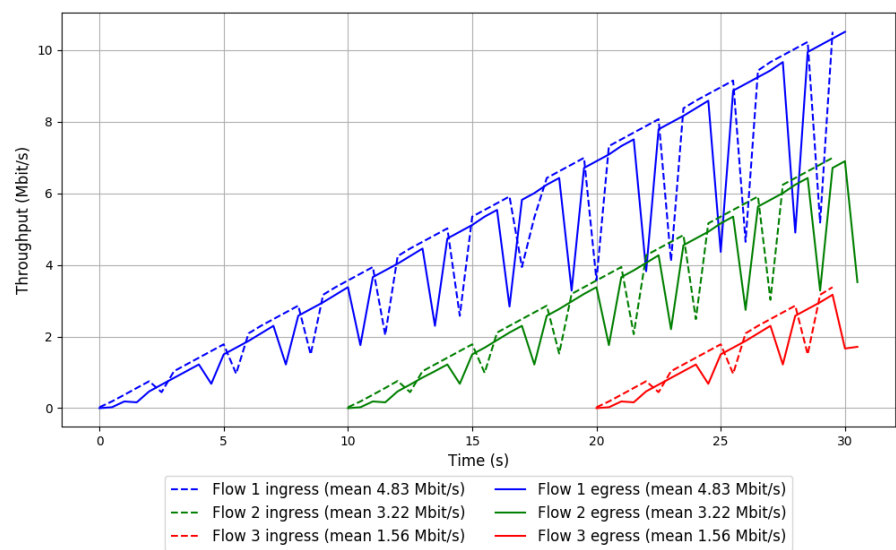


Run 6: Statistics of LEDBAT

Start at: 2018-07-25 17:26:46
End at: 2018-07-25 17:27:16
Local clock offset: -0.21 ms
Remote clock offset: -0.028 ms

```
# Below is generated by plot.py at 2018-07-25 21:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 137.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 137.390 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 137.171 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-25 17:54:23

End at: 2018-07-25 17:54:53

Local clock offset: -0.136 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 137.424 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 137.430 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 137.462 ms

Loss rate: 0.00%

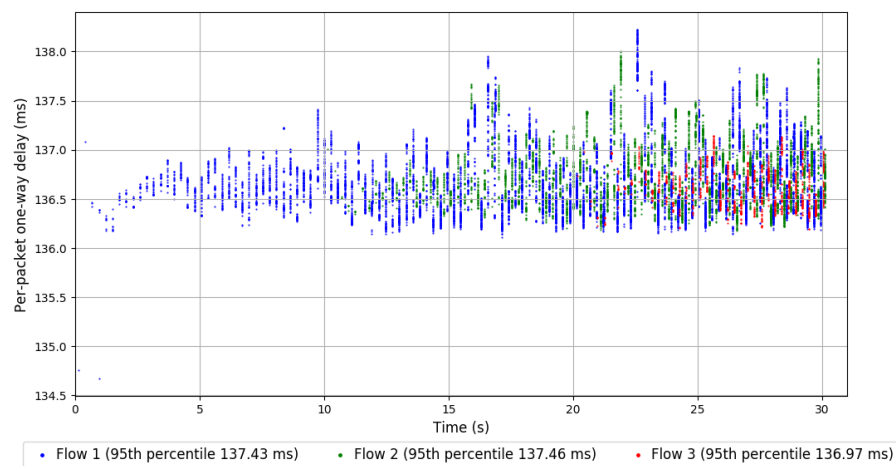
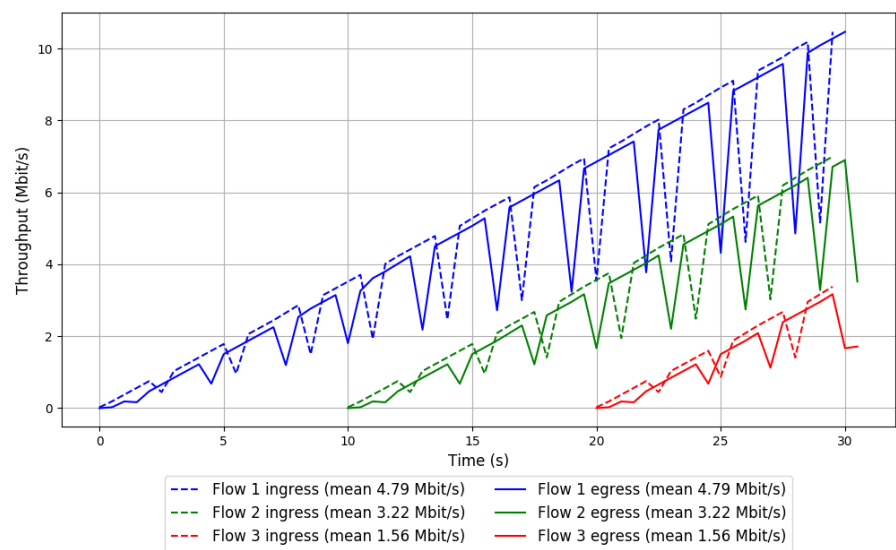
-- Flow 3:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 136.970 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

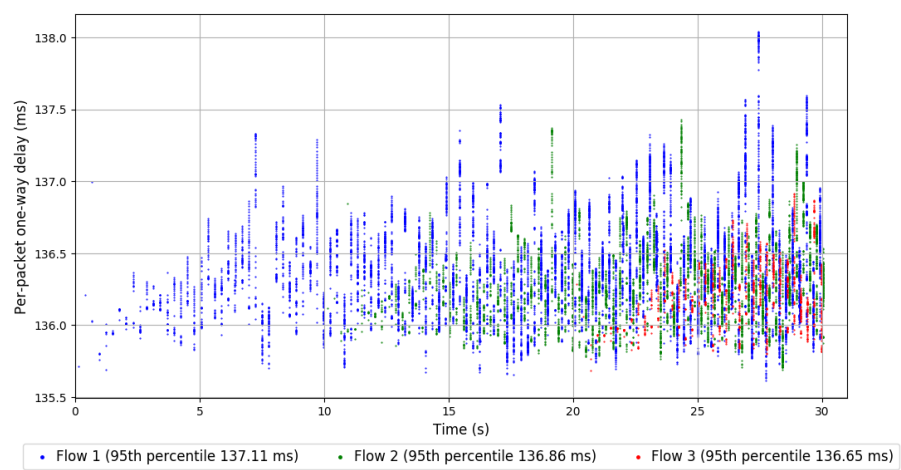
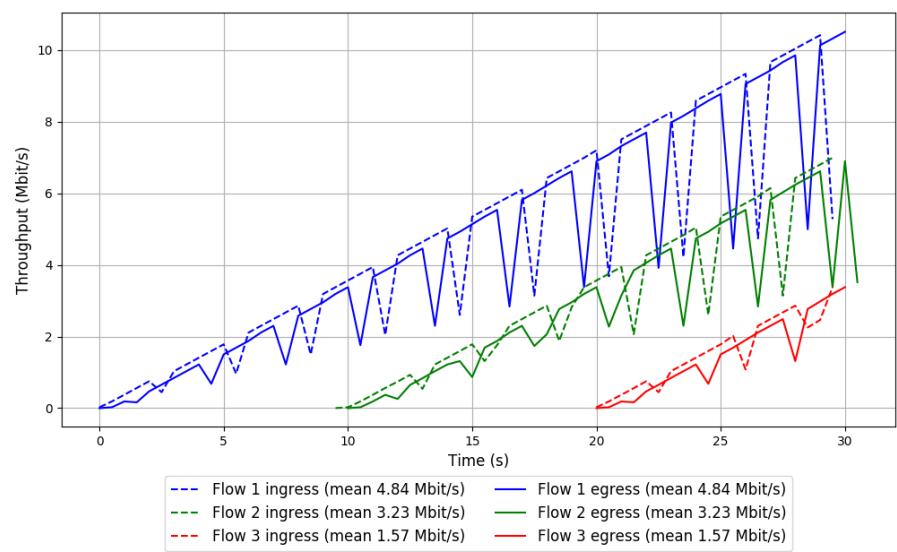


Run 8: Statistics of LEDBAT

Start at: 2018-07-25 18:21:14
End at: 2018-07-25 18:21:44
Local clock offset: 0.168 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-25 21:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 137.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.106 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 136.858 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 136.649 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-25 18:48:01

End at: 2018-07-25 18:48:31

Local clock offset: 0.368 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 136.968 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 137.006 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.01 Mbit/s

95th percentile per-packet one-way delay: 136.908 ms

Loss rate: 0.00%

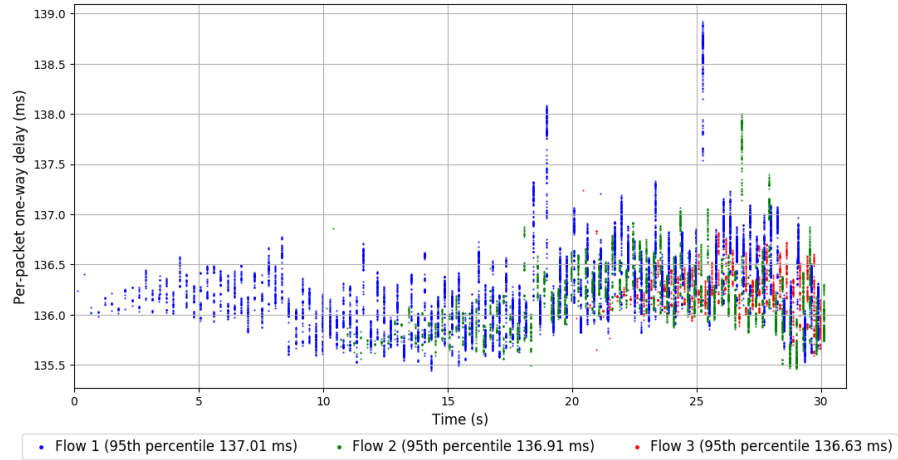
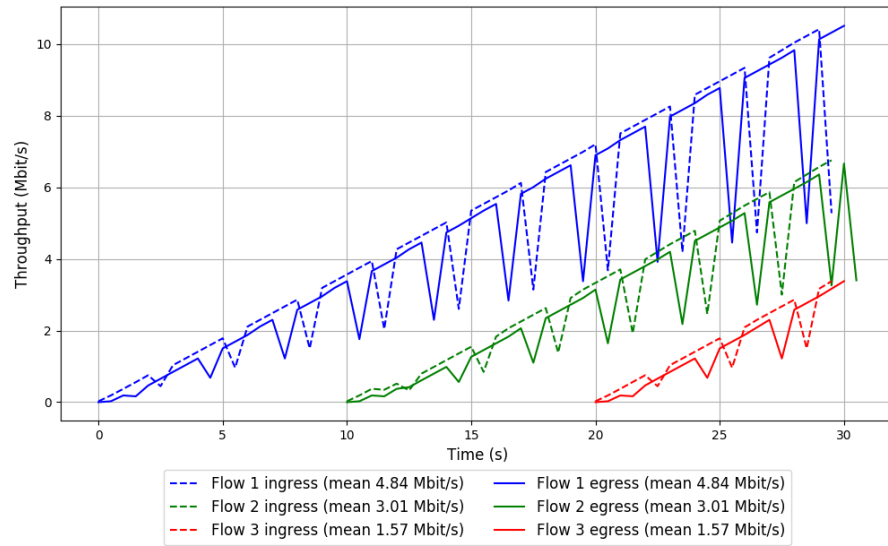
-- Flow 3:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 136.628 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-25 19:14:42

End at: 2018-07-25 19:15:12

Local clock offset: -0.249 ms

Remote clock offset: -0.41 ms

Below is generated by plot.py at 2018-07-25 21:31:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 137.503 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 137.533 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 137.411 ms

Loss rate: 0.00%

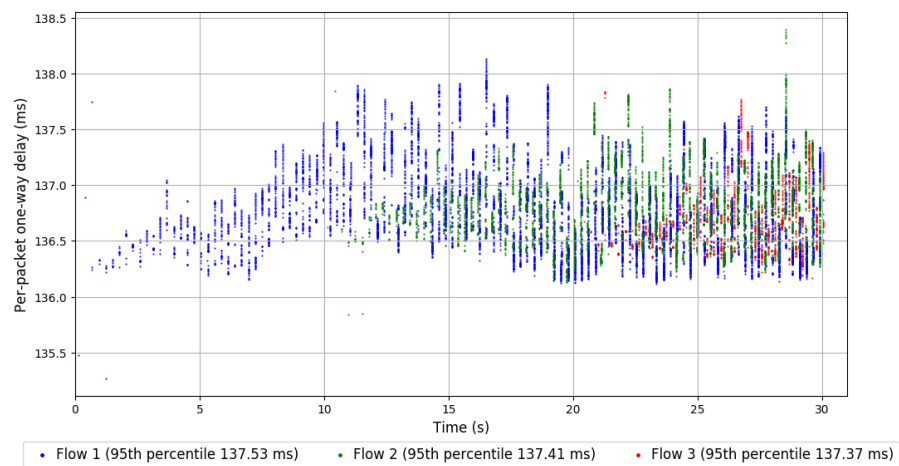
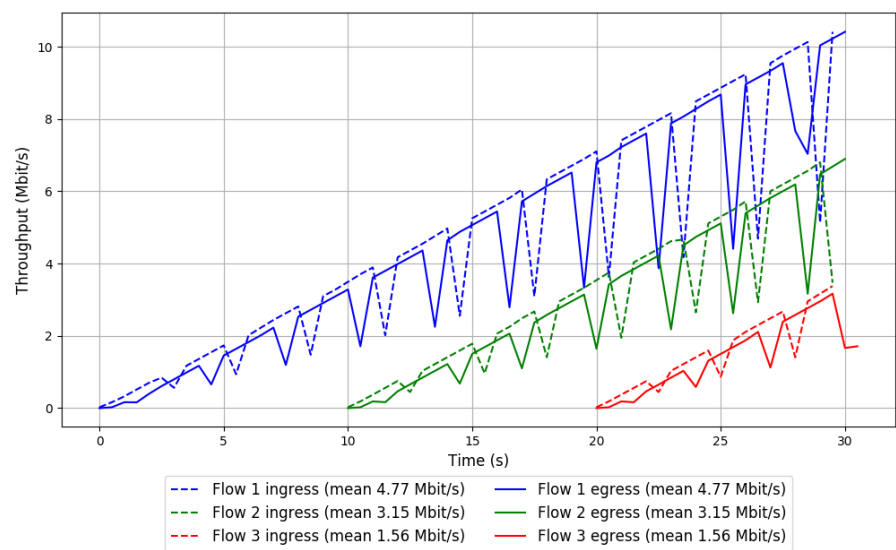
-- Flow 3:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 137.373 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

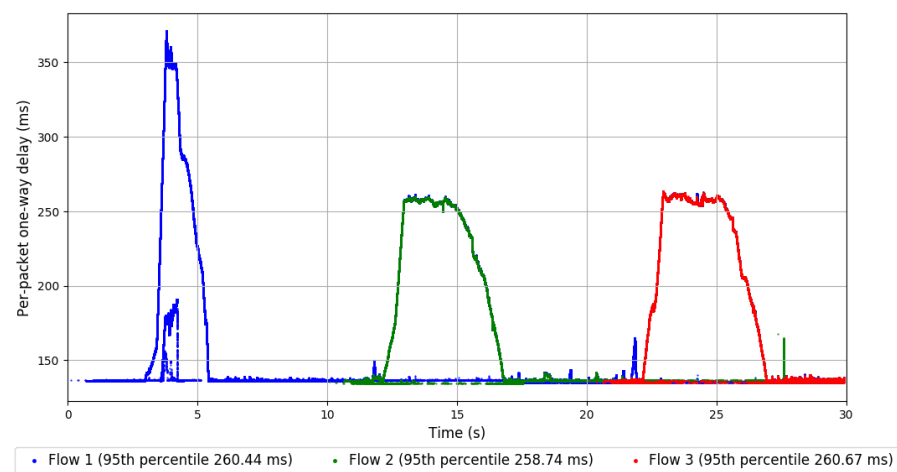
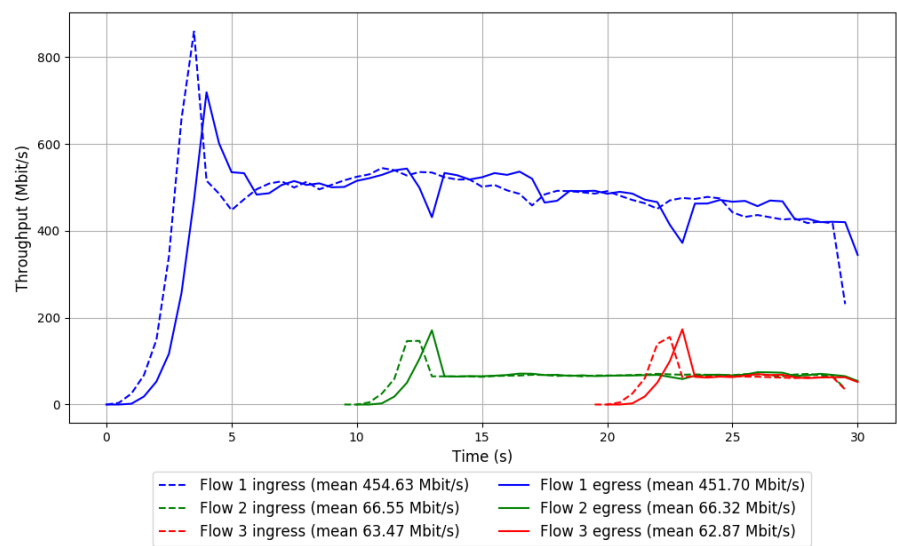


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 15:04:32
End at: 2018-07-25 15:05:02
Local clock offset: 0.062 ms
Remote clock offset: 0.41 ms

# Below is generated by plot.py at 2018-07-25 21:34:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 516.58 Mbit/s
95th percentile per-packet one-way delay: 260.298 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 451.70 Mbit/s
95th percentile per-packet one-way delay: 260.436 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 258.736 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 260.670 ms
Loss rate: 0.94%
```

Run 1: Report of PCC-Allegro — Data Link

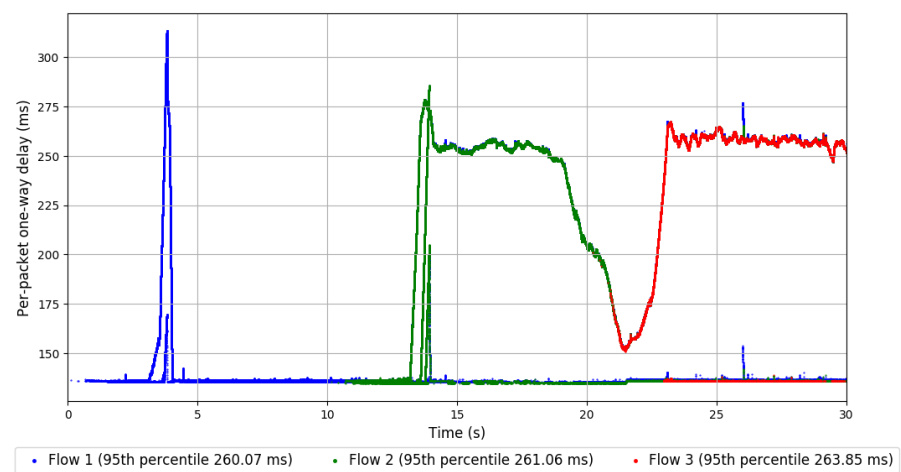
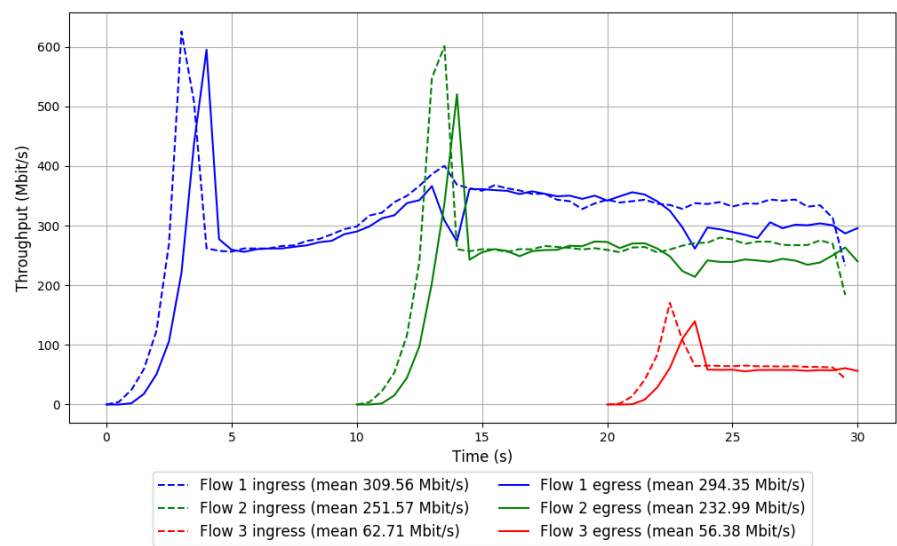


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 15:31:38
End at: 2018-07-25 15:32:08
Local clock offset: -0.275 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-25 21:34:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.66 Mbit/s
95th percentile per-packet one-way delay: 260.477 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 294.35 Mbit/s
95th percentile per-packet one-way delay: 260.070 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 232.99 Mbit/s
95th percentile per-packet one-way delay: 261.060 ms
Loss rate: 7.38%
-- Flow 3:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 263.849 ms
Loss rate: 10.67%

Run 2: Report of PCC-Allegro — Data Link

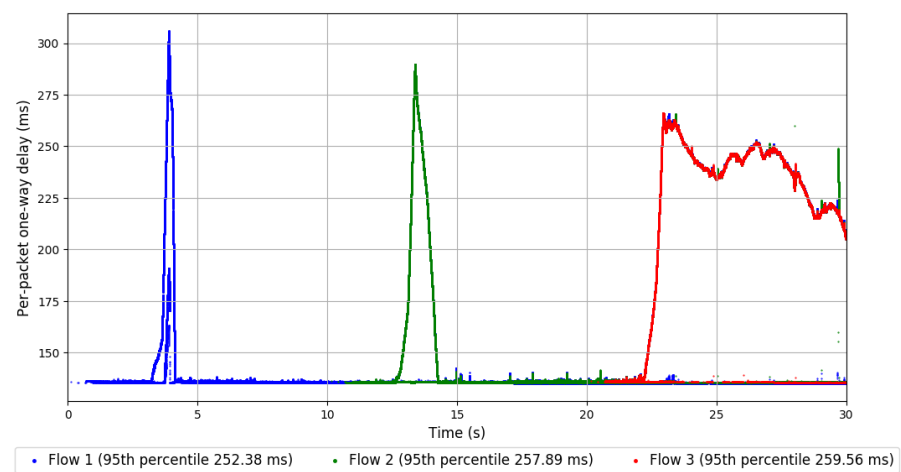
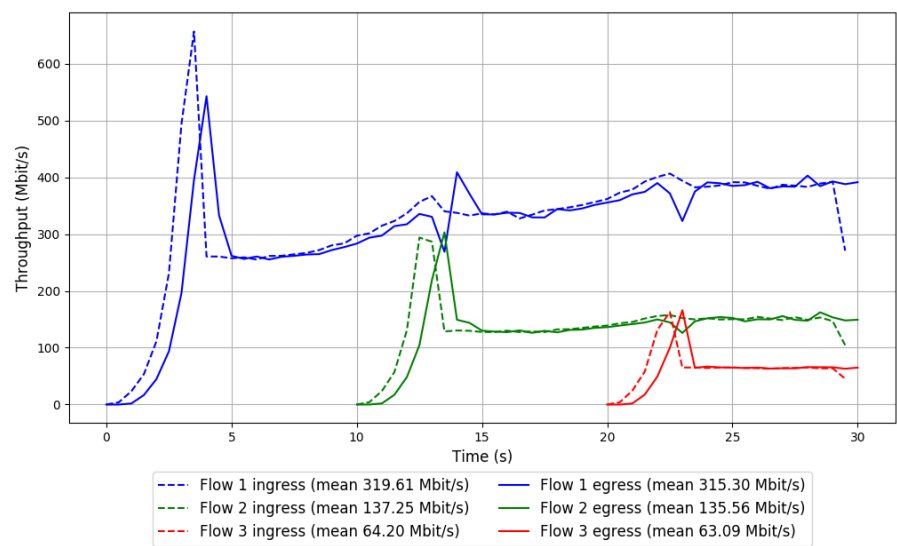


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 15:58:12
End at: 2018-07-25 15:58:42
Local clock offset: 0.151 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-07-25 21:34:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.19 Mbit/s
95th percentile per-packet one-way delay: 255.415 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 315.30 Mbit/s
95th percentile per-packet one-way delay: 252.377 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 135.56 Mbit/s
95th percentile per-packet one-way delay: 257.887 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 63.09 Mbit/s
95th percentile per-packet one-way delay: 259.564 ms
Loss rate: 1.73%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 16:25:26

End at: 2018-07-25 16:25:56

Local clock offset: 0.044 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-25 21:34:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 453.29 Mbit/s

95th percentile per-packet one-way delay: 265.808 ms

Loss rate: 4.24%

-- Flow 1:

Average throughput: 286.79 Mbit/s

95th percentile per-packet one-way delay: 265.518 ms

Loss rate: 3.43%

-- Flow 2:

Average throughput: 235.27 Mbit/s

95th percentile per-packet one-way delay: 266.350 ms

Loss rate: 5.60%

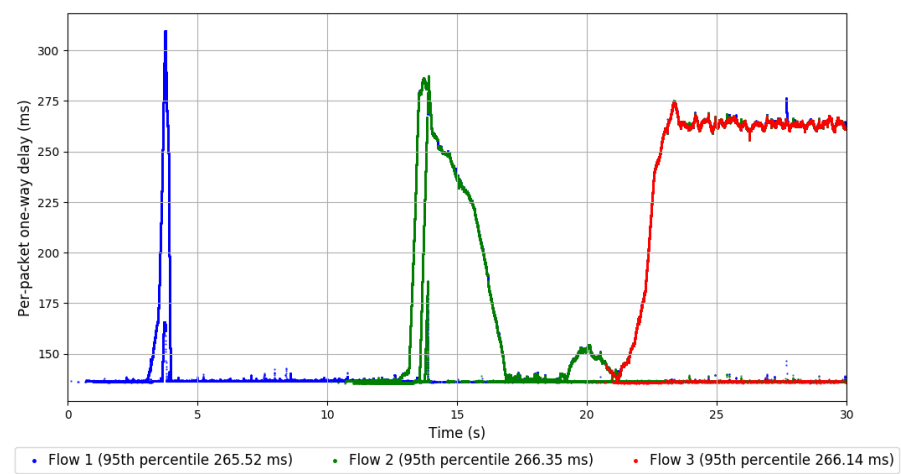
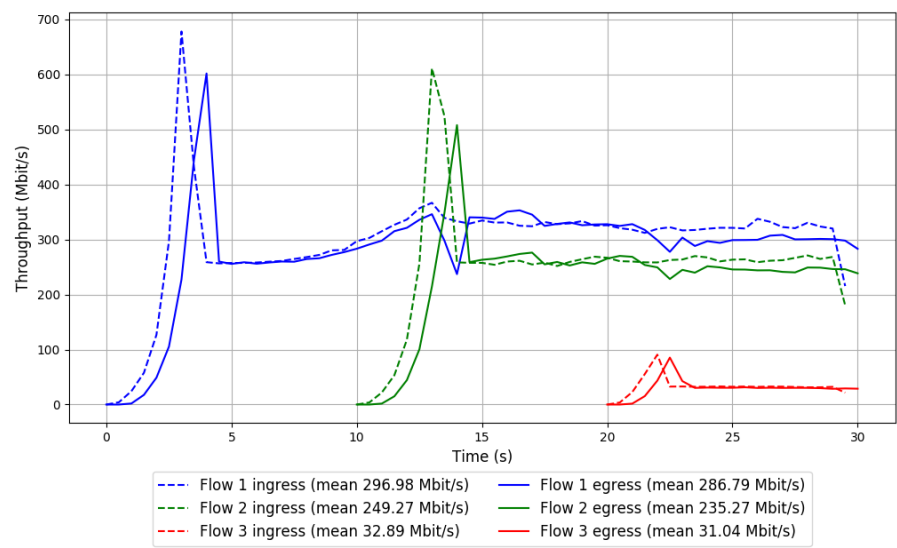
-- Flow 3:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 266.139 ms

Loss rate: 5.63%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 16:52:20

End at: 2018-07-25 16:52:50

Local clock offset: 0.145 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-25 21:37:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 517.07 Mbit/s

95th percentile per-packet one-way delay: 267.921 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 463.35 Mbit/s

95th percentile per-packet one-way delay: 268.943 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 64.11 Mbit/s

95th percentile per-packet one-way delay: 264.660 ms

Loss rate: 1.10%

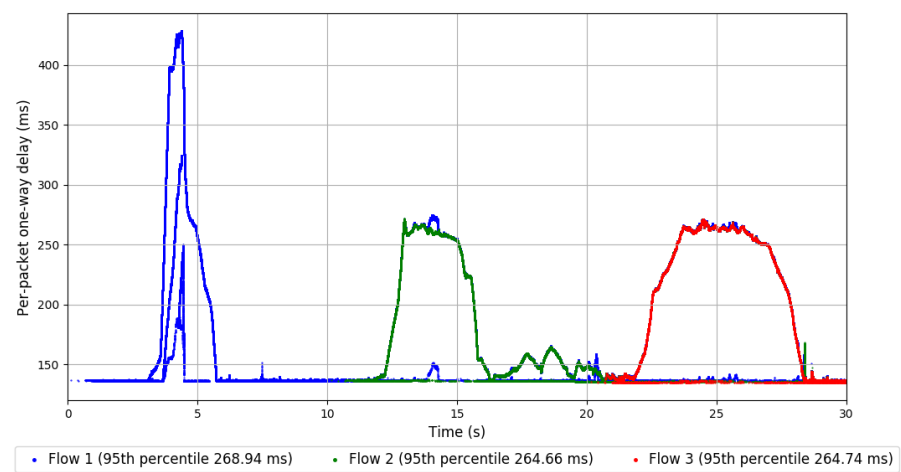
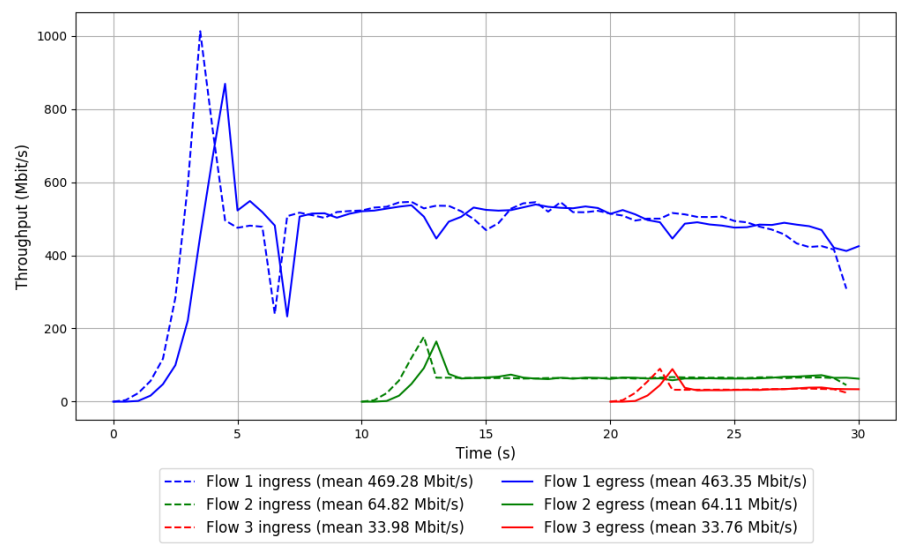
-- Flow 3:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 264.737 ms

Loss rate: 0.65%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 17:19:23

End at: 2018-07-25 17:19:53

Local clock offset: 0.086 ms

Remote clock offset: 0.322 ms

Below is generated by plot.py at 2018-07-25 21:39:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 535.47 Mbit/s

95th percentile per-packet one-way delay: 254.816 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 491.76 Mbit/s

95th percentile per-packet one-way delay: 254.912 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 34.37 Mbit/s

95th percentile per-packet one-way delay: 253.632 ms

Loss rate: 0.24%

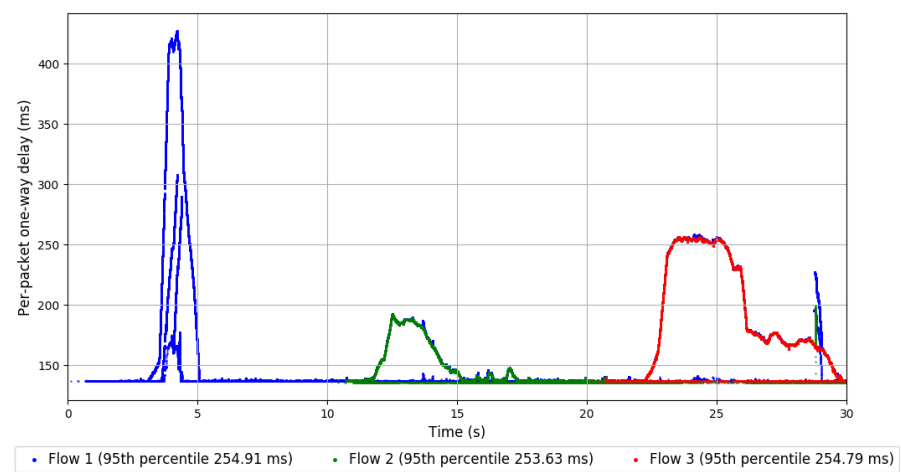
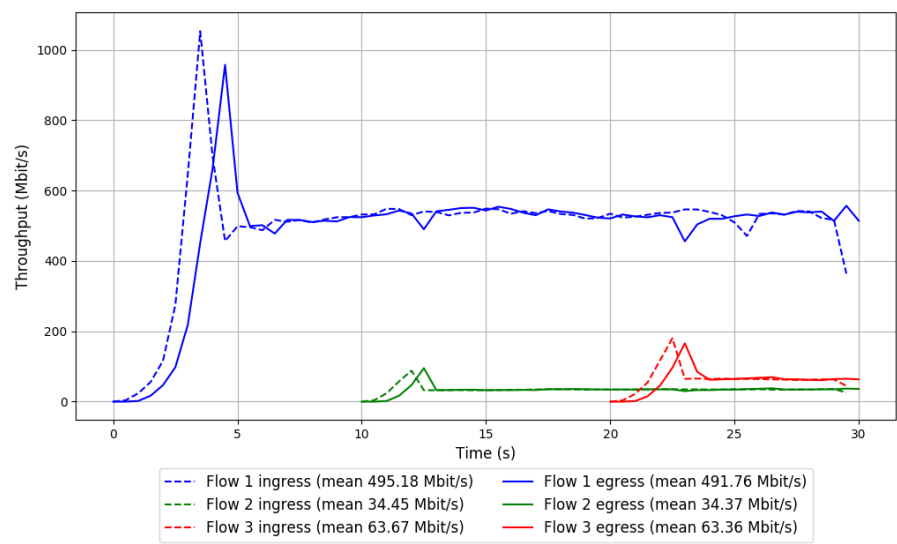
-- Flow 3:

Average throughput: 63.36 Mbit/s

95th percentile per-packet one-way delay: 254.788 ms

Loss rate: 0.49%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 17:46:50

End at: 2018-07-25 17:47:20

Local clock offset: -0.133 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-25 21:39:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.14 Mbit/s

95th percentile per-packet one-way delay: 280.154 ms

Loss rate: 3.01%

-- Flow 1:

Average throughput: 478.03 Mbit/s

95th percentile per-packet one-way delay: 280.166 ms

Loss rate: 3.05%

-- Flow 2:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 280.008 ms

Loss rate: 2.17%

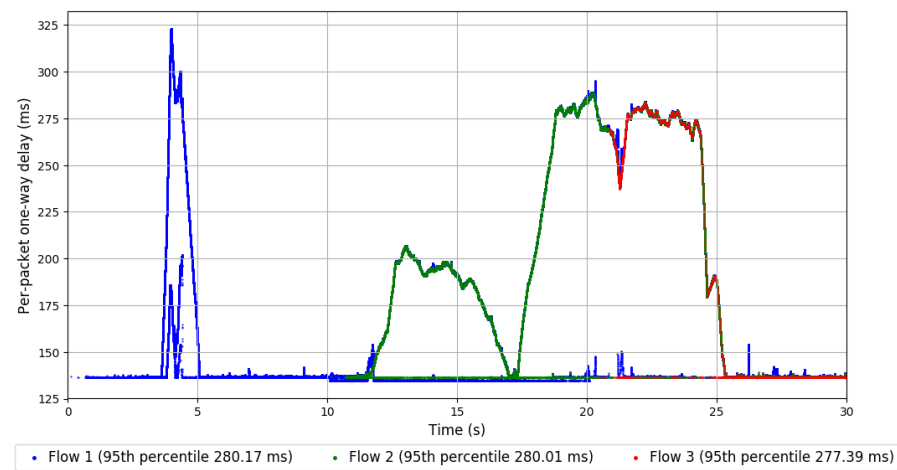
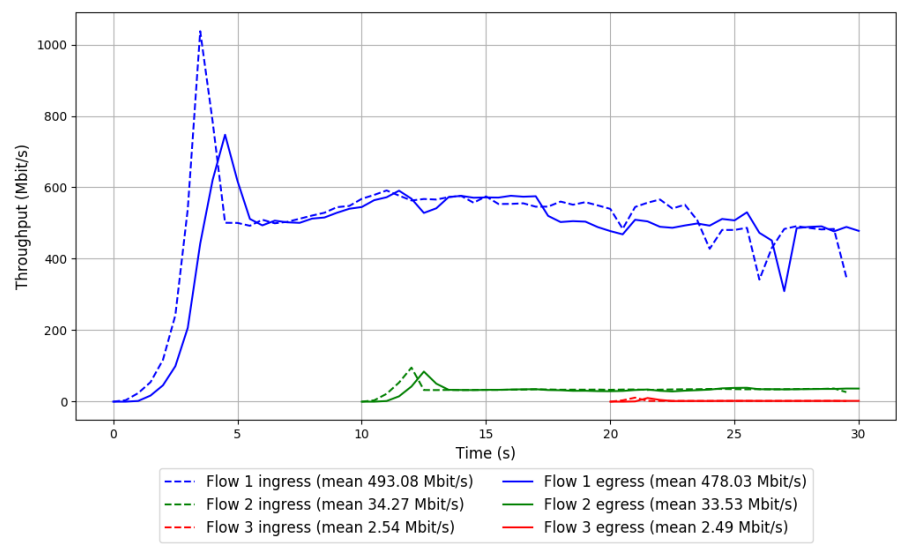
-- Flow 3:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 277.392 ms

Loss rate: 2.01%

Run 7: Report of PCC-Allegro — Data Link

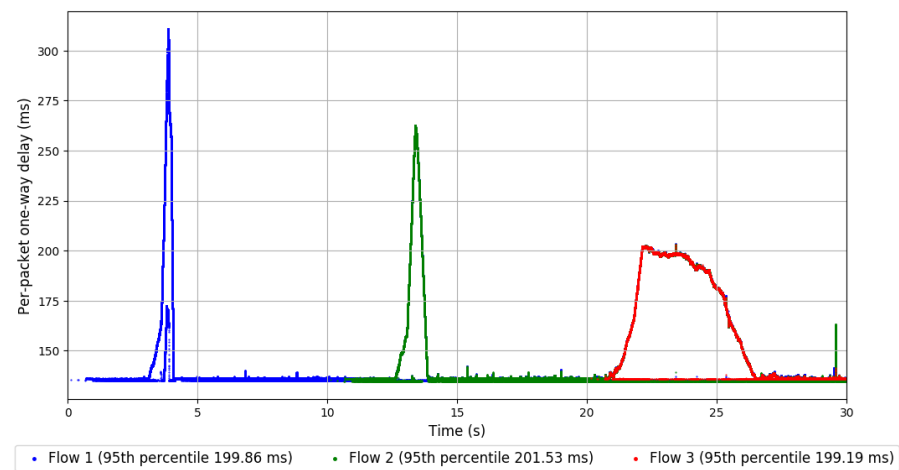
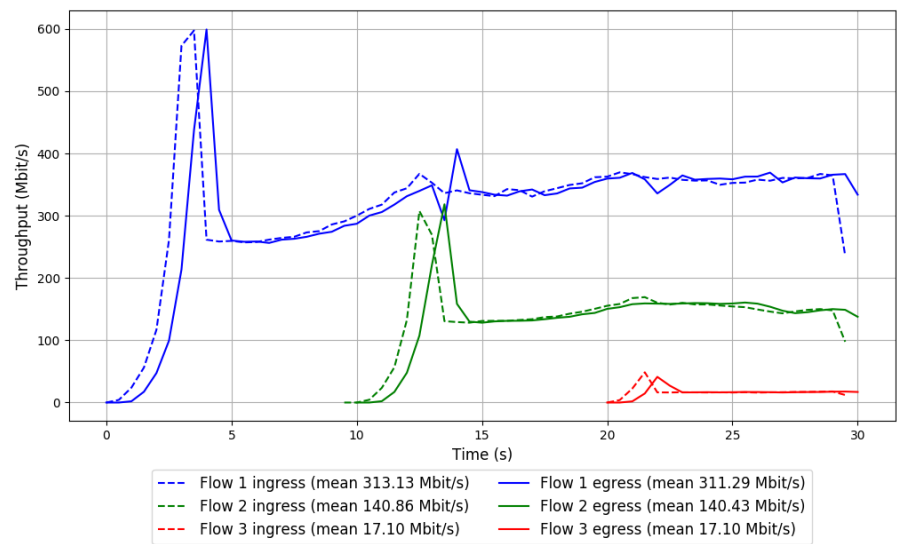


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 18:13:43
End at: 2018-07-25 18:14:13
Local clock offset: 0.155 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-07-25 21:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.37 Mbit/s
95th percentile per-packet one-way delay: 200.867 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 311.29 Mbit/s
95th percentile per-packet one-way delay: 199.859 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 140.43 Mbit/s
95th percentile per-packet one-way delay: 201.535 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 17.10 Mbit/s
95th percentile per-packet one-way delay: 199.190 ms
Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 18:40:35

End at: 2018-07-25 18:41:05

Local clock offset: 0.061 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-07-25 21:44:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 531.27 Mbit/s

95th percentile per-packet one-way delay: 259.633 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 478.93 Mbit/s

95th percentile per-packet one-way delay: 260.056 ms

Loss rate: 2.02%

-- Flow 2:

Average throughput: 62.95 Mbit/s

95th percentile per-packet one-way delay: 257.448 ms

Loss rate: 0.58%

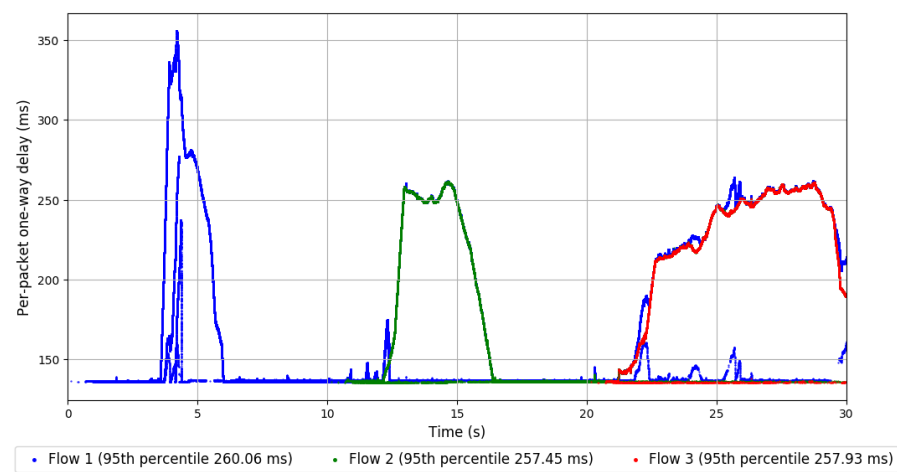
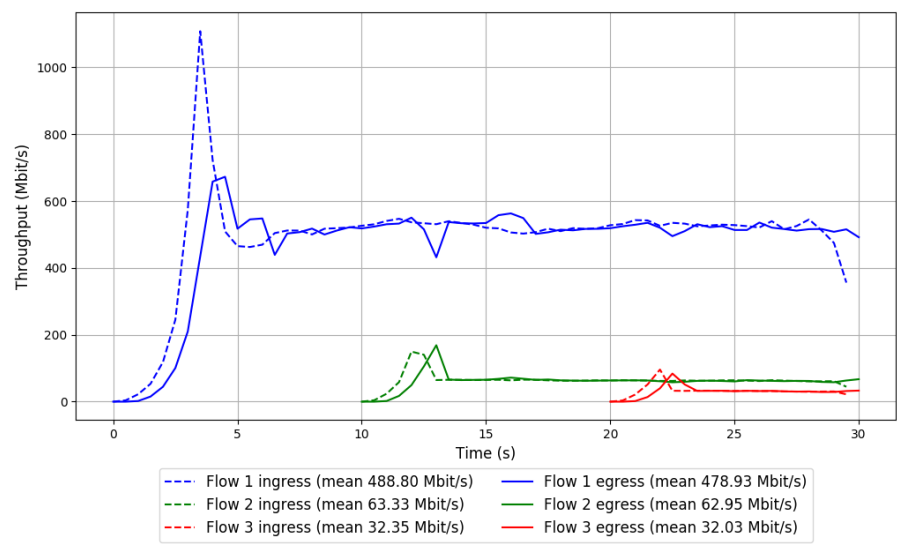
-- Flow 3:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 257.930 ms

Loss rate: 0.98%

Run 9: Report of PCC-Allegro — Data Link

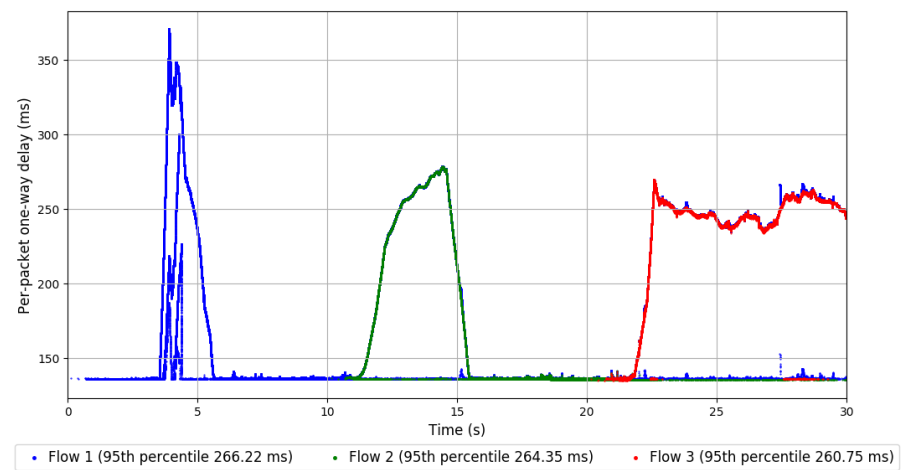
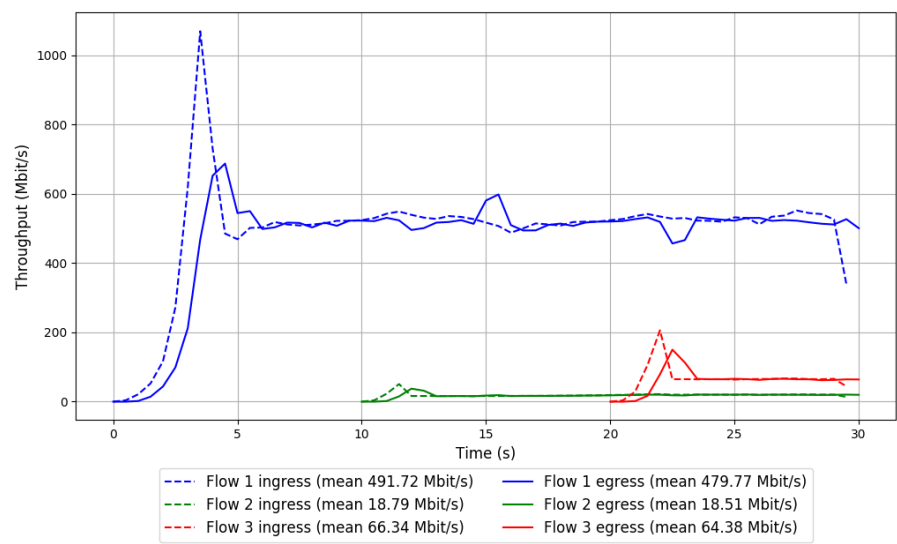


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 19:07:11
End at: 2018-07-25 19:07:41
Local clock offset: 0.124 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-07-25 21:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 513.25 Mbit/s
95th percentile per-packet one-way delay: 265.566 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 479.77 Mbit/s
95th percentile per-packet one-way delay: 266.220 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 264.347 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 64.38 Mbit/s
95th percentile per-packet one-way delay: 260.752 ms
Loss rate: 2.95%

Run 10: Report of PCC-Allegro — Data Link

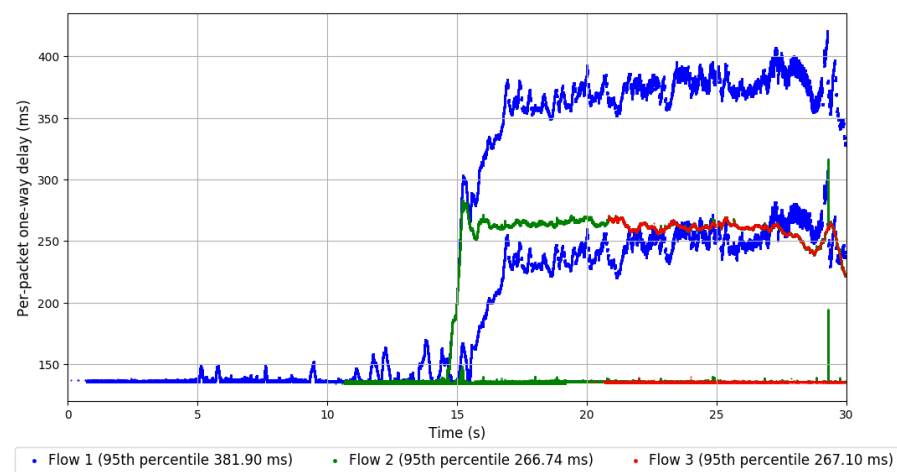
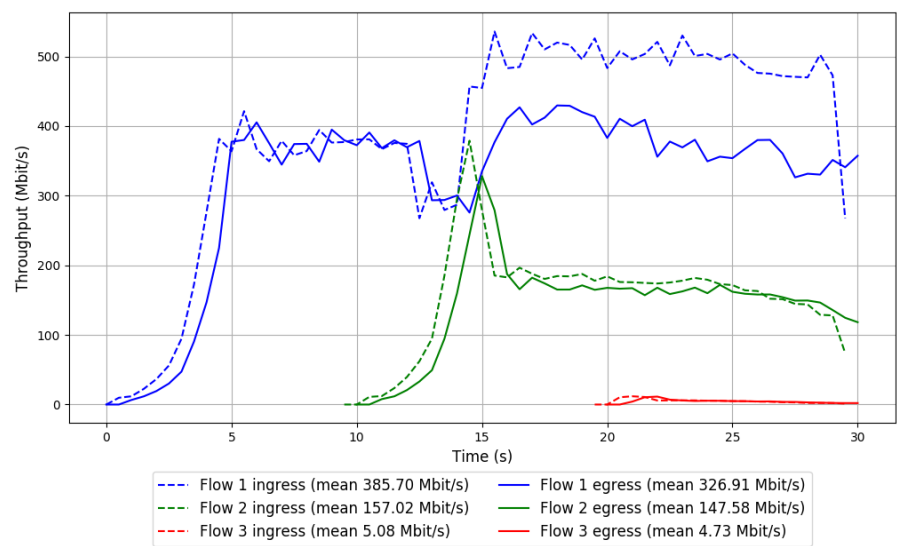


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 15:18:50
End at: 2018-07-25 15:19:20
Local clock offset: -0.225 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-07-25 21:52:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 426.90 Mbit/s
95th percentile per-packet one-way delay: 379.435 ms
Loss rate: 13.26%
-- Flow 1:
Average throughput: 326.91 Mbit/s
95th percentile per-packet one-way delay: 381.898 ms
Loss rate: 15.25%
-- Flow 2:
Average throughput: 147.58 Mbit/s
95th percentile per-packet one-way delay: 266.735 ms
Loss rate: 6.01%
-- Flow 3:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 267.104 ms
Loss rate: 6.91%
```


Run 1: Report of PCC-Expr — Data Link

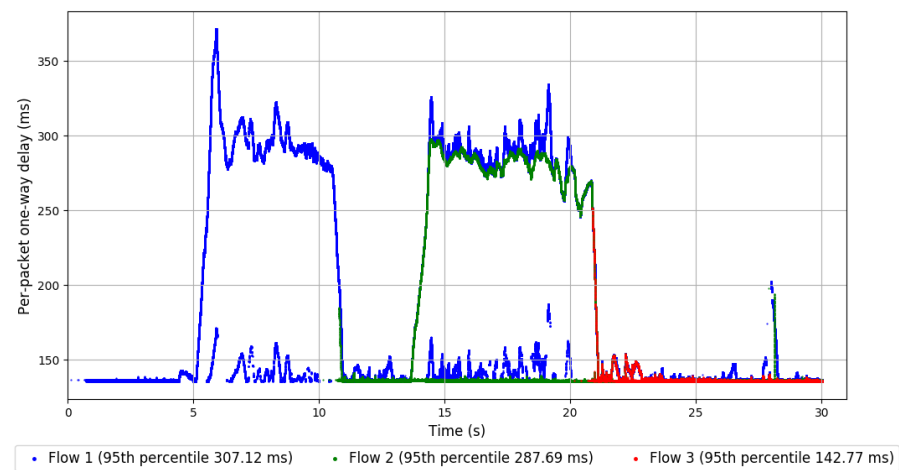
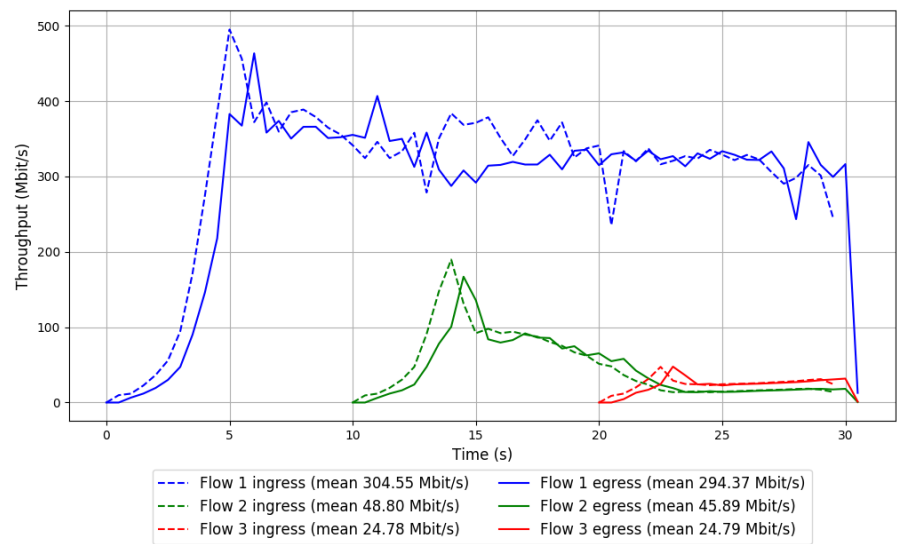


Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 15:45:24
End at: 2018-07-25 15:45:54
Local clock offset: -0.055 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-25 21:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.06 Mbit/s
95th percentile per-packet one-way delay: 305.698 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 294.37 Mbit/s
95th percentile per-packet one-way delay: 307.119 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 287.694 ms
Loss rate: 5.95%
-- Flow 3:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 142.766 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

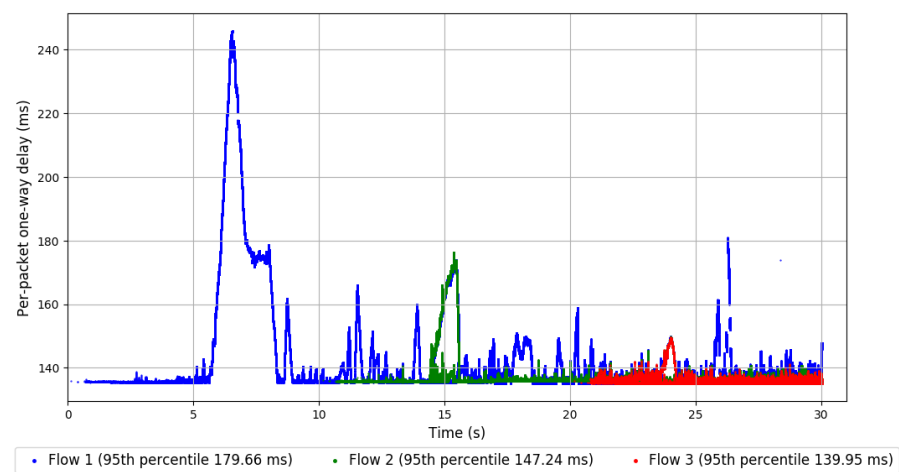
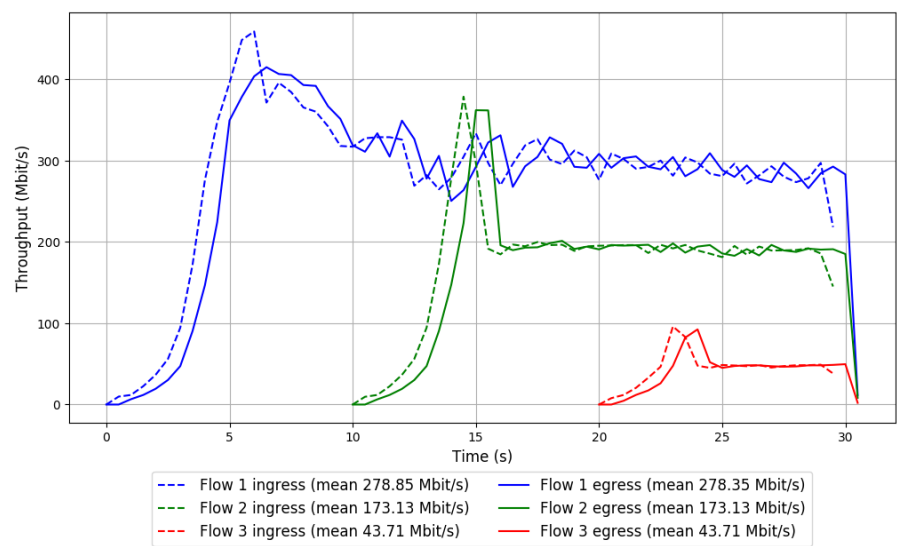


Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 16:12:33
End at: 2018-07-25 16:13:03
Local clock offset: 0.044 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-07-25 21:53:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.88 Mbit/s
95th percentile per-packet one-way delay: 175.138 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 278.35 Mbit/s
95th percentile per-packet one-way delay: 179.655 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 173.13 Mbit/s
95th percentile per-packet one-way delay: 147.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.71 Mbit/s
95th percentile per-packet one-way delay: 139.954 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 16:39:25

End at: 2018-07-25 16:39:55

Local clock offset: 0.092 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-25 21:53:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.98 Mbit/s

95th percentile per-packet one-way delay: 136.912 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 167.25 Mbit/s

95th percentile per-packet one-way delay: 136.586 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 168.26 Mbit/s

95th percentile per-packet one-way delay: 230.144 ms

Loss rate: 0.72%

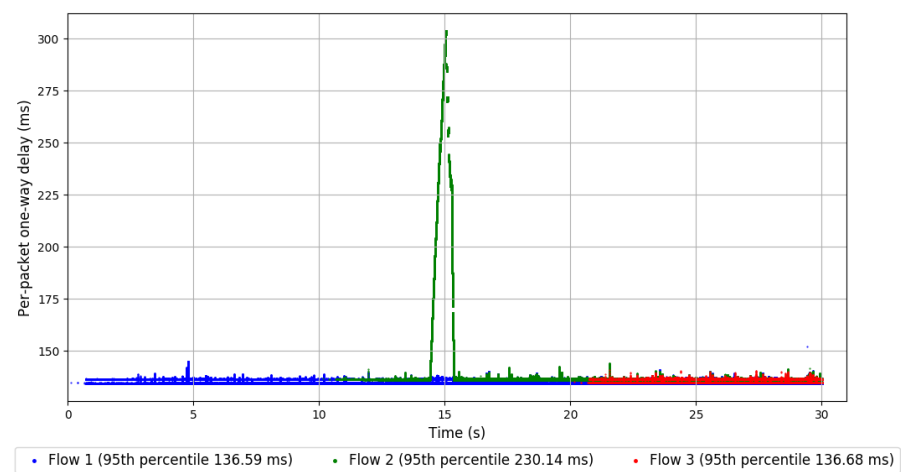
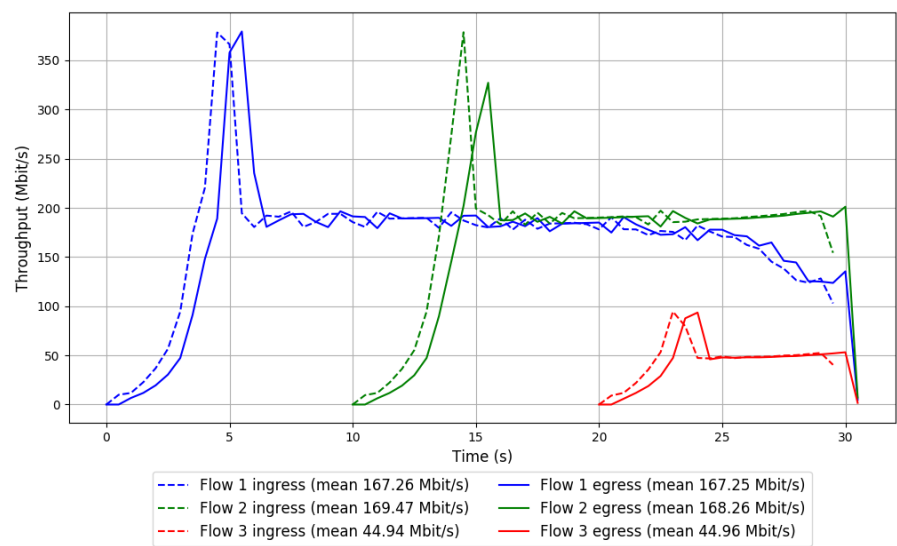
-- Flow 3:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 136.683 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

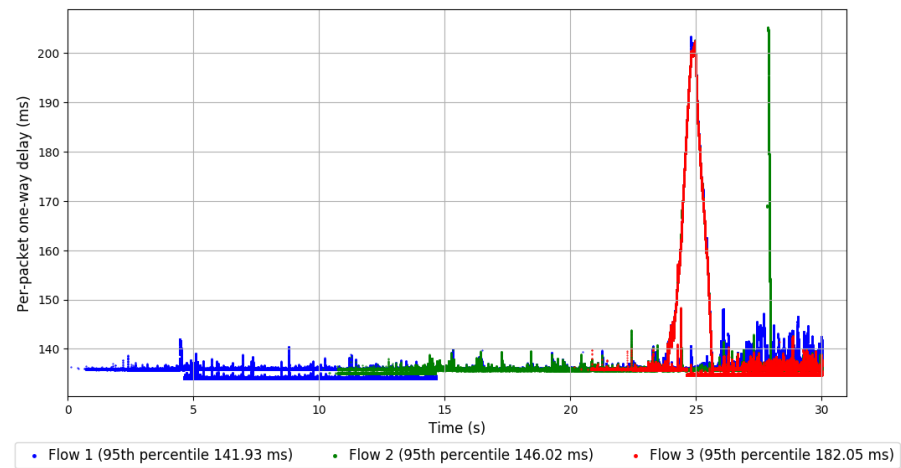
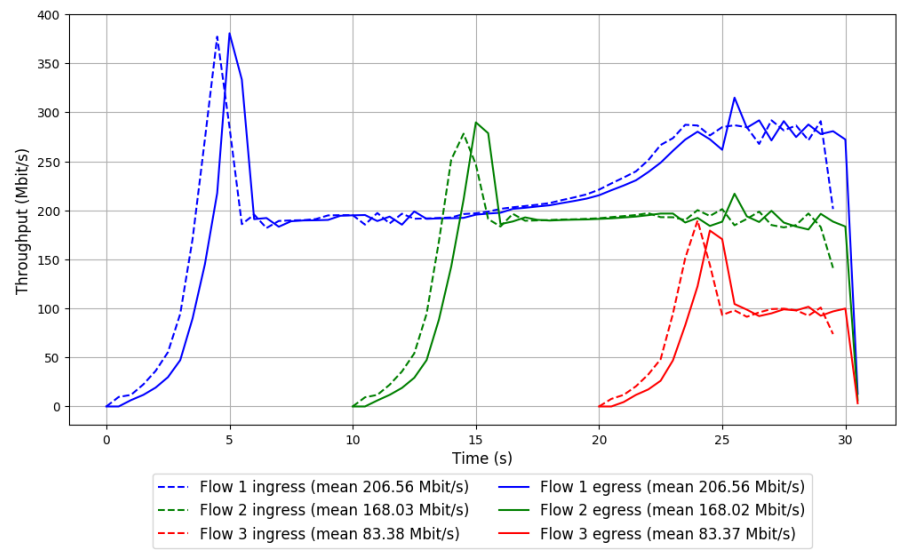


Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 17:06:25
End at: 2018-07-25 17:06:55
Local clock offset: 0.121 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-07-25 21:53:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.81 Mbit/s
95th percentile per-packet one-way delay: 144.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.56 Mbit/s
95th percentile per-packet one-way delay: 141.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.02 Mbit/s
95th percentile per-packet one-way delay: 146.022 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 182.049 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

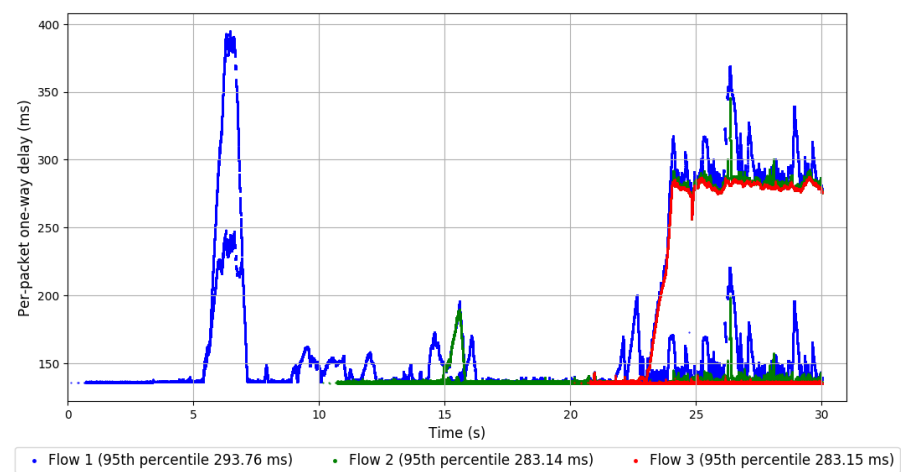
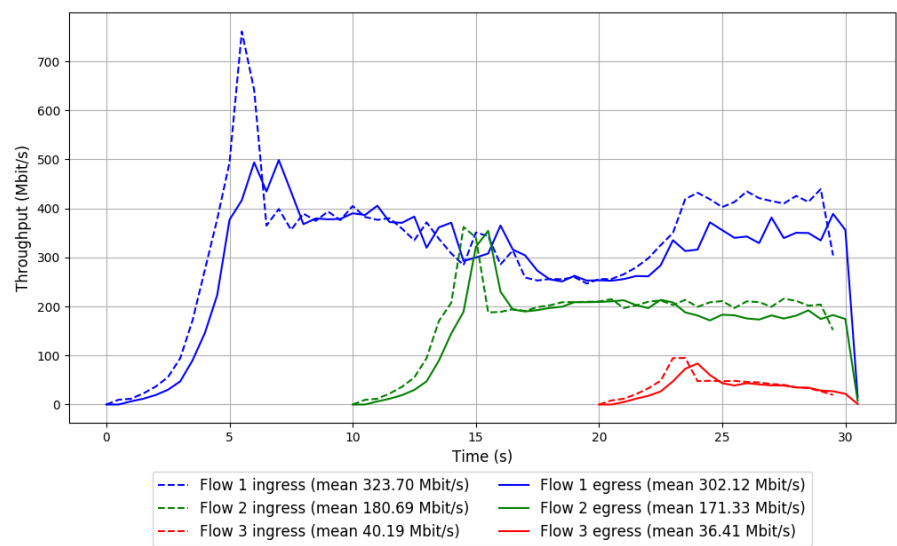


Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 17:33:36
End at: 2018-07-25 17:34:06
Local clock offset: -0.126 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-25 21:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.06 Mbit/s
95th percentile per-packet one-way delay: 287.788 ms
Loss rate: 6.34%
-- Flow 1:
Average throughput: 302.12 Mbit/s
95th percentile per-packet one-way delay: 293.760 ms
Loss rate: 6.66%
-- Flow 2:
Average throughput: 171.33 Mbit/s
95th percentile per-packet one-way delay: 283.140 ms
Loss rate: 5.16%
-- Flow 3:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 283.153 ms
Loss rate: 9.43%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 18:00:57

End at: 2018-07-25 18:01:27

Local clock offset: 0.107 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-25 21:59:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.85 Mbit/s

95th percentile per-packet one-way delay: 137.181 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 171.63 Mbit/s

95th percentile per-packet one-way delay: 136.881 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 161.64 Mbit/s

95th percentile per-packet one-way delay: 137.588 ms

Loss rate: 0.00%

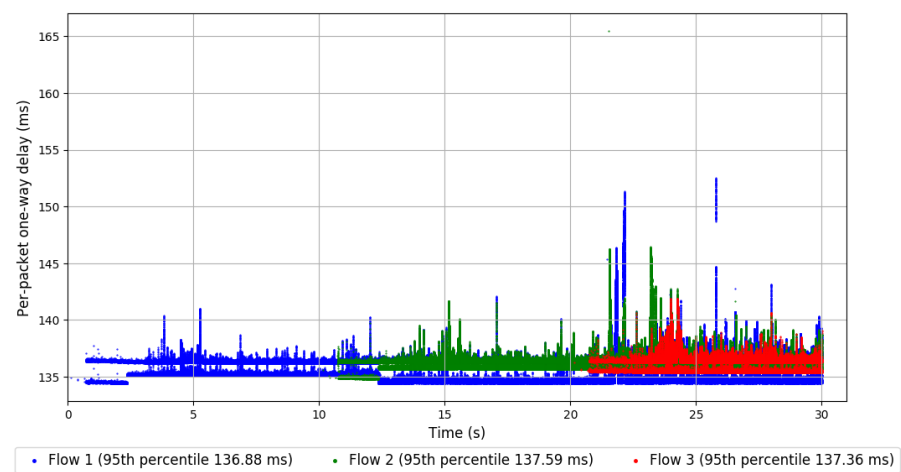
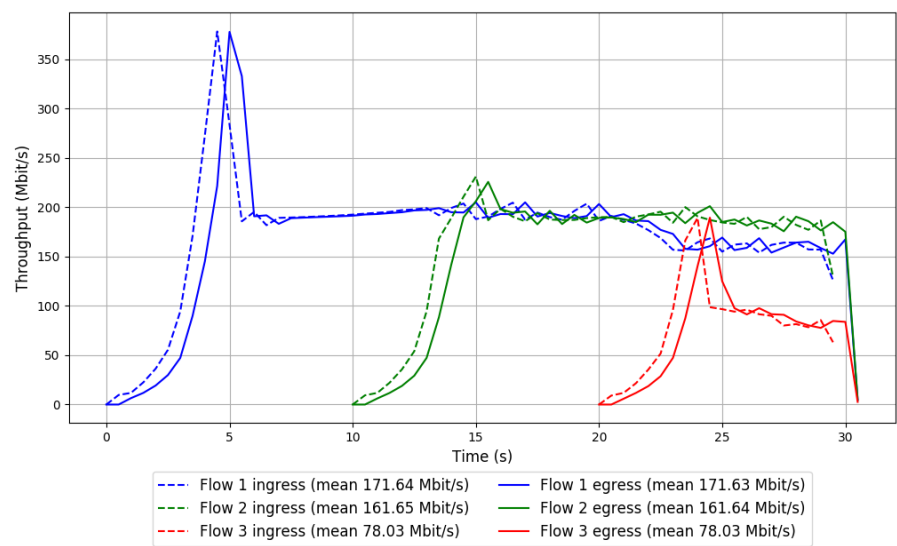
-- Flow 3:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 137.359 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

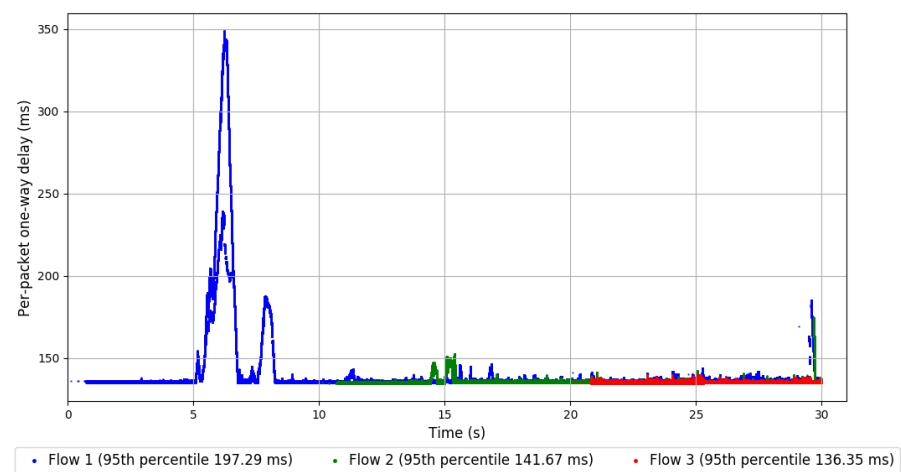
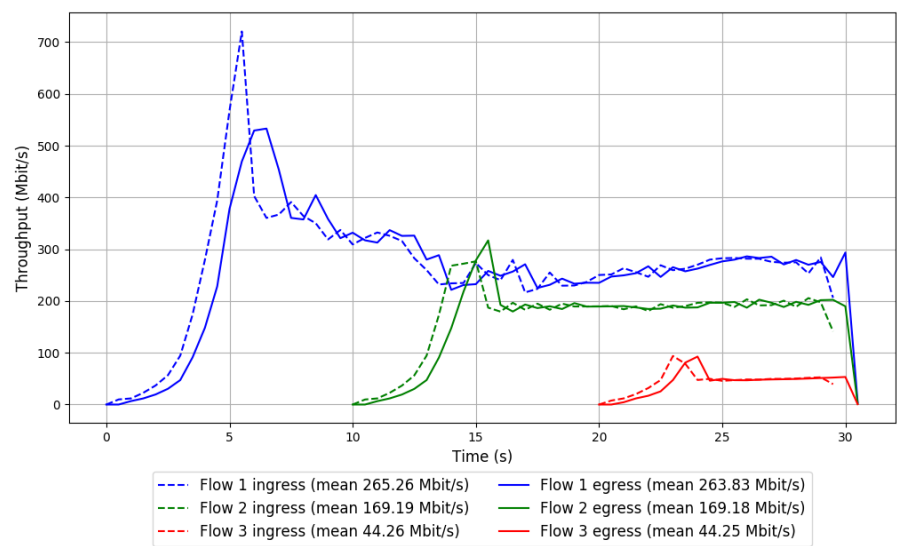


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 18:27:54
End at: 2018-07-25 18:28:24
Local clock offset: 0.225 ms
Remote clock offset: -0.428 ms

```
# Below is generated by plot.py at 2018-07-25 22:01:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.95 Mbit/s
95th percentile per-packet one-way delay: 181.293 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 263.83 Mbit/s
95th percentile per-packet one-way delay: 197.289 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 169.18 Mbit/s
95th percentile per-packet one-way delay: 141.667 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 136.352 ms
Loss rate: 0.01%
```

Run 8: Report of PCC-Expr — Data Link

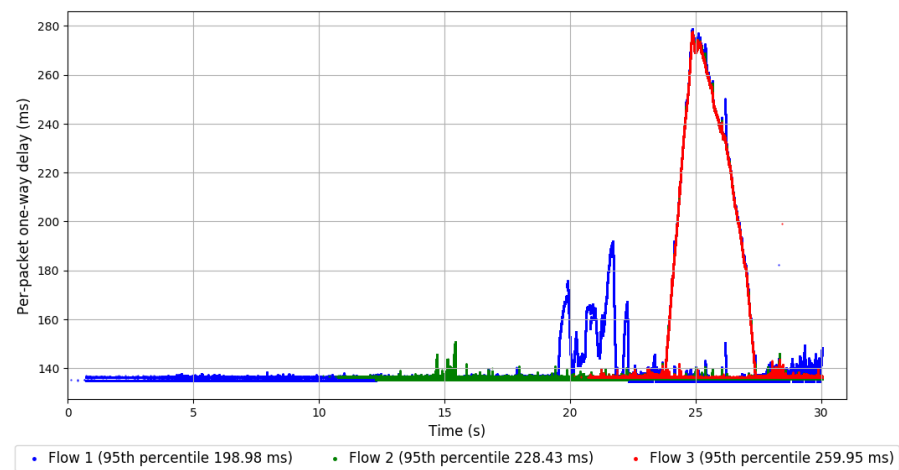
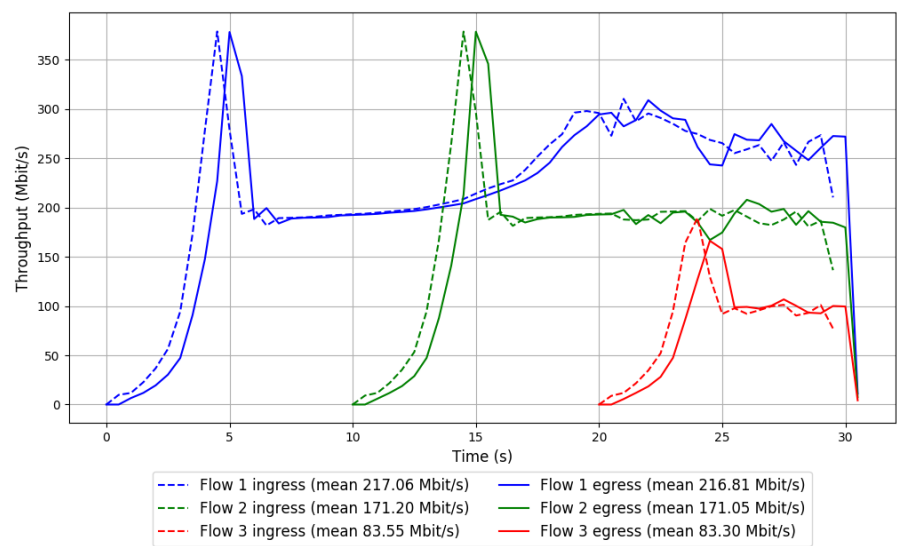


Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 18:54:37
End at: 2018-07-25 18:55:07
Local clock offset: -0.035 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-25 22:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.00 Mbit/s
95th percentile per-packet one-way delay: 224.092 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 216.81 Mbit/s
95th percentile per-packet one-way delay: 198.980 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 171.05 Mbit/s
95th percentile per-packet one-way delay: 228.428 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 259.949 ms
Loss rate: 0.35%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 19:21:20

End at: 2018-07-25 19:21:50

Local clock offset: 0.022 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.75 Mbit/s

95th percentile per-packet one-way delay: 238.308 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 288.44 Mbit/s

95th percentile per-packet one-way delay: 242.632 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 167.67 Mbit/s

95th percentile per-packet one-way delay: 213.618 ms

Loss rate: 1.29%

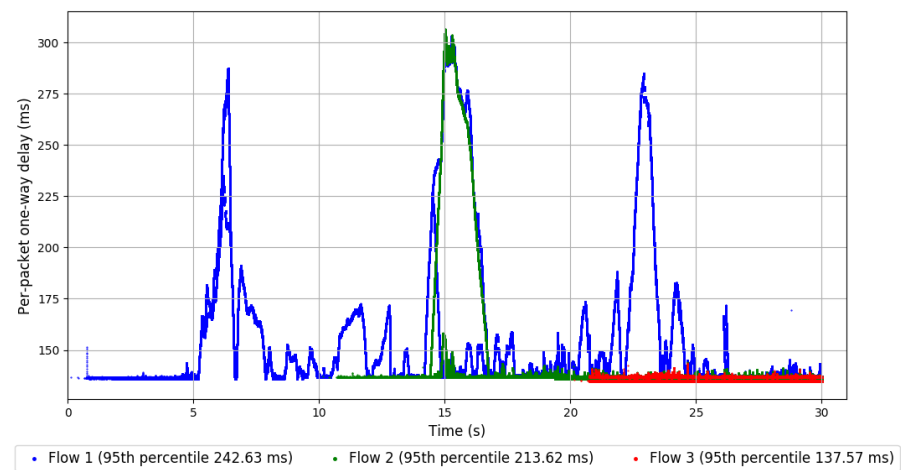
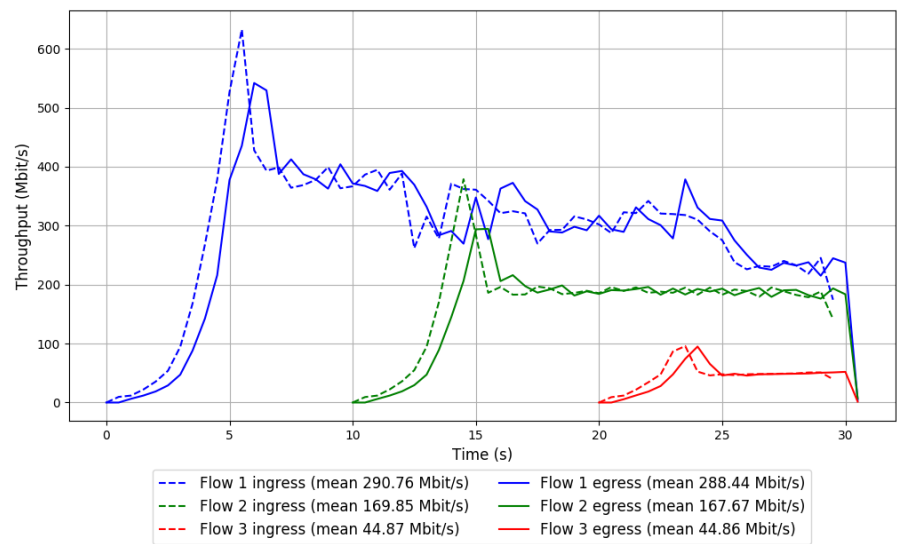
-- Flow 3:

Average throughput: 44.86 Mbit/s

95th percentile per-packet one-way delay: 137.569 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

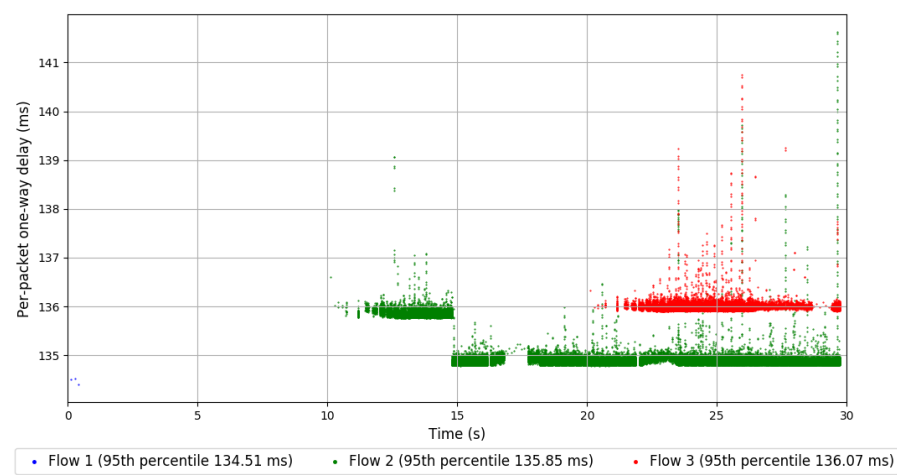
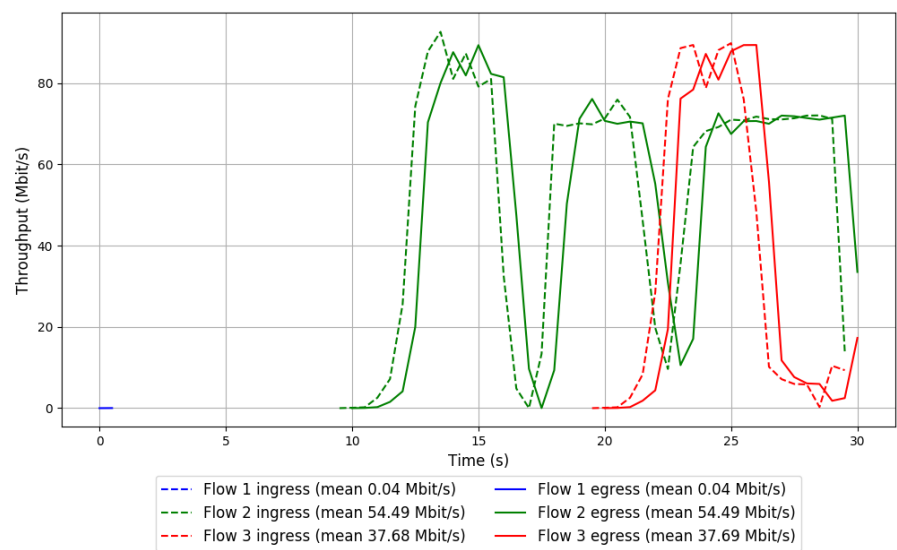


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-25 15:24:55
End at: 2018-07-25 15:25:25
Local clock offset: 0.124 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 136.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 134.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.49 Mbit/s
95th percentile per-packet one-way delay: 135.851 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 136.068 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

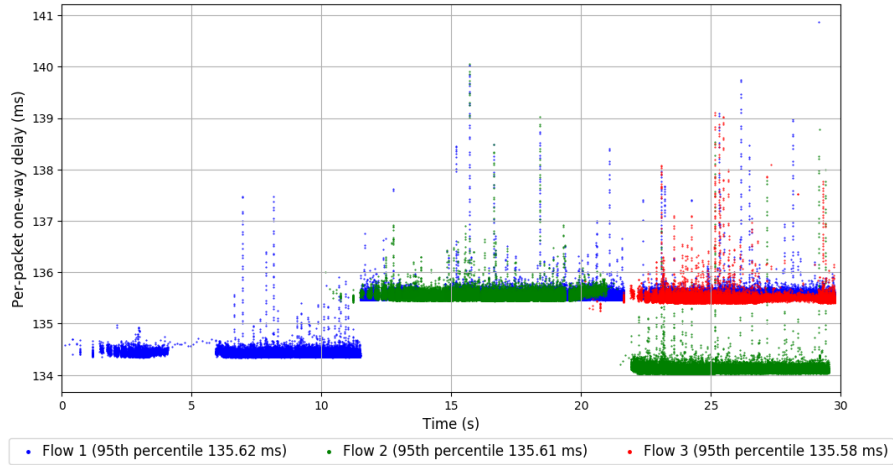
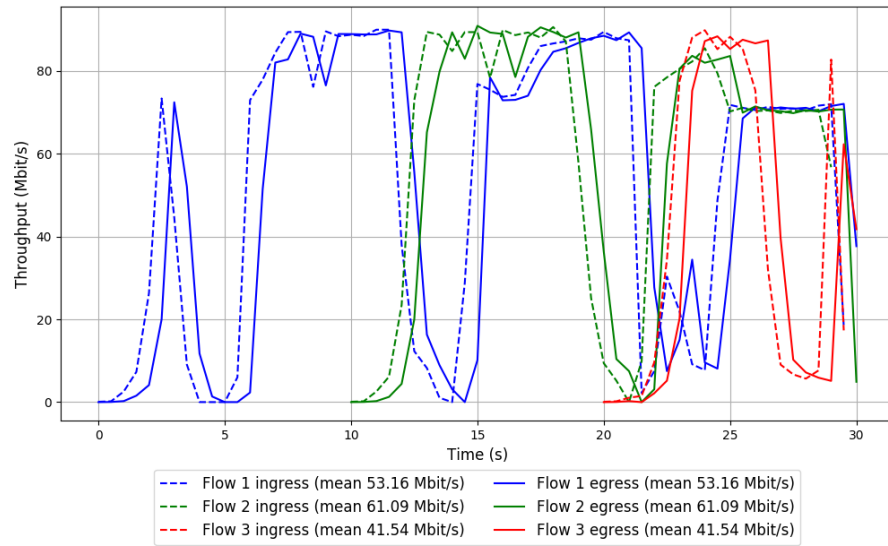


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 15:51:28
End at: 2018-07-25 15:51:58
Local clock offset: -0.005 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.58 Mbit/s
95th percentile per-packet one-way delay: 135.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 135.624 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 135.607 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 135.580 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 16:18:45

End at: 2018-07-25 16:19:15

Local clock offset: -0.129 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.25 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 136.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.95 Mbit/s

95th percentile per-packet one-way delay: 136.146 ms

Loss rate: 0.00%

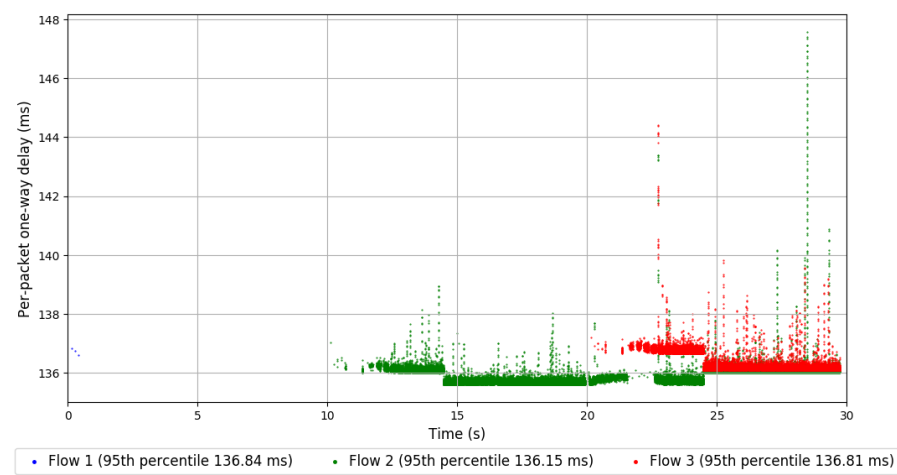
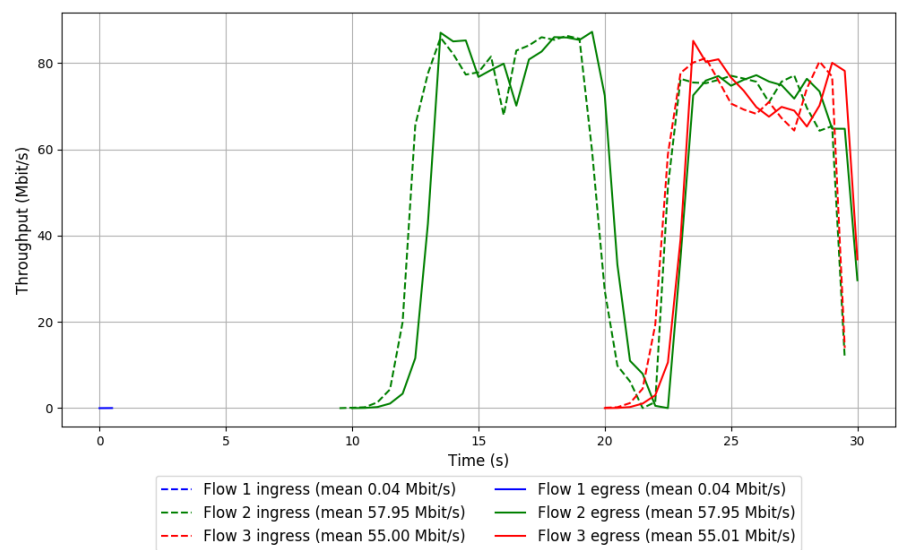
-- Flow 3:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 136.813 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

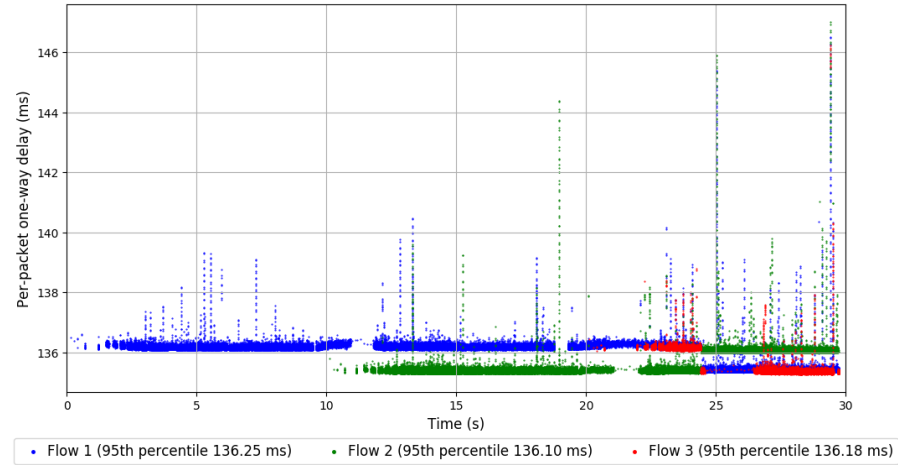
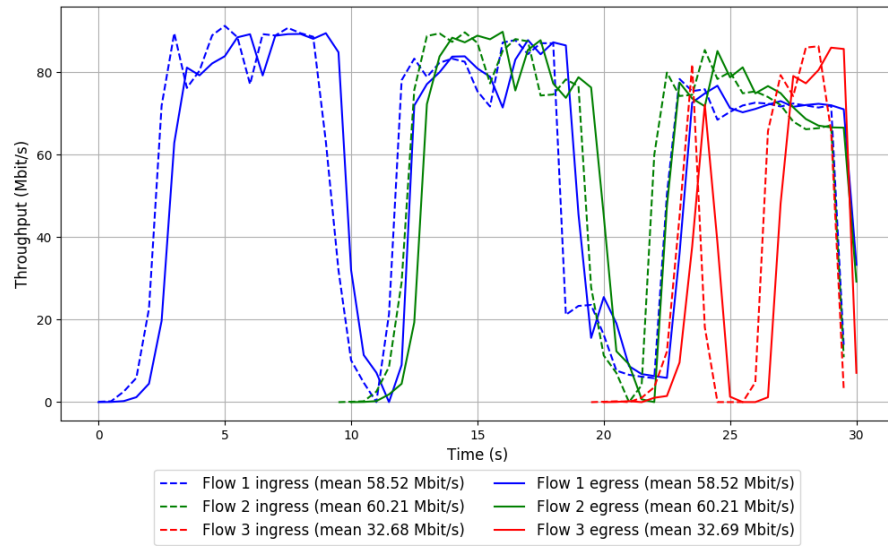


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 16:45:25
End at: 2018-07-25 16:45:55
Local clock offset: -0.108 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.99 Mbit/s
95th percentile per-packet one-way delay: 136.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 136.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.21 Mbit/s
95th percentile per-packet one-way delay: 136.104 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 136.184 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

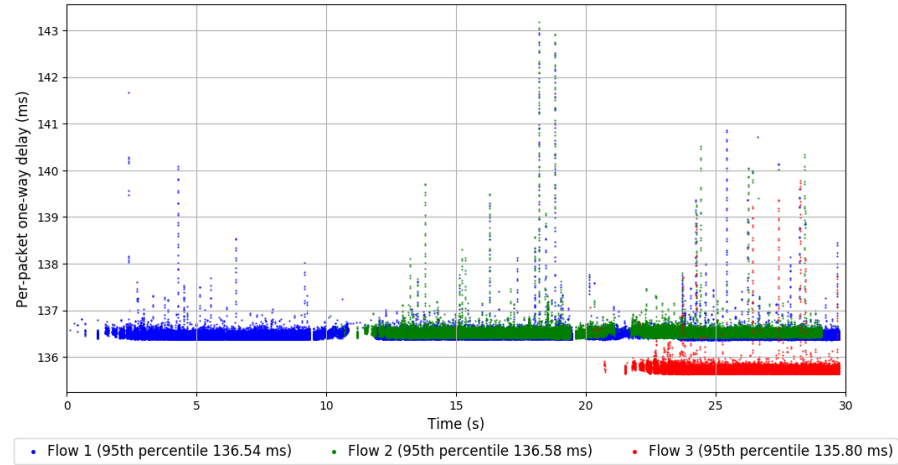
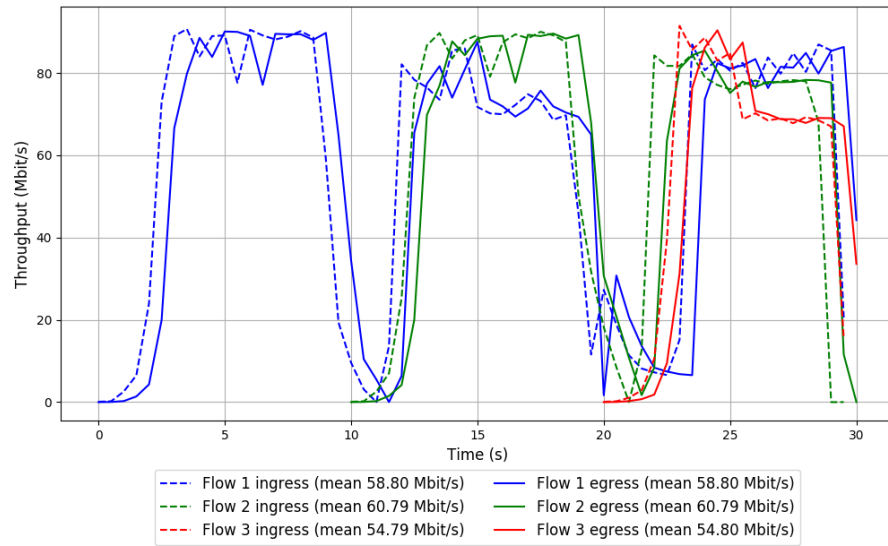


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 17:12:29
End at: 2018-07-25 17:12:59
Local clock offset: -0.152 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.71 Mbit/s
95th percentile per-packet one-way delay: 136.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 136.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 136.582 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 135.803 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 17:39:48

End at: 2018-07-25 17:40:18

Local clock offset: -0.13 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.73 Mbit/s

95th percentile per-packet one-way delay: 136.315 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.80 Mbit/s

95th percentile per-packet one-way delay: 136.341 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.26 Mbit/s

95th percentile per-packet one-way delay: 134.805 ms

Loss rate: 0.00%

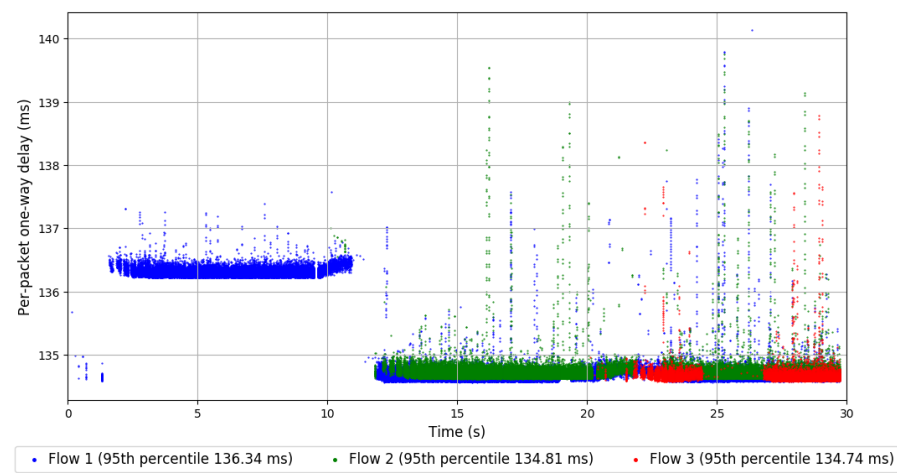
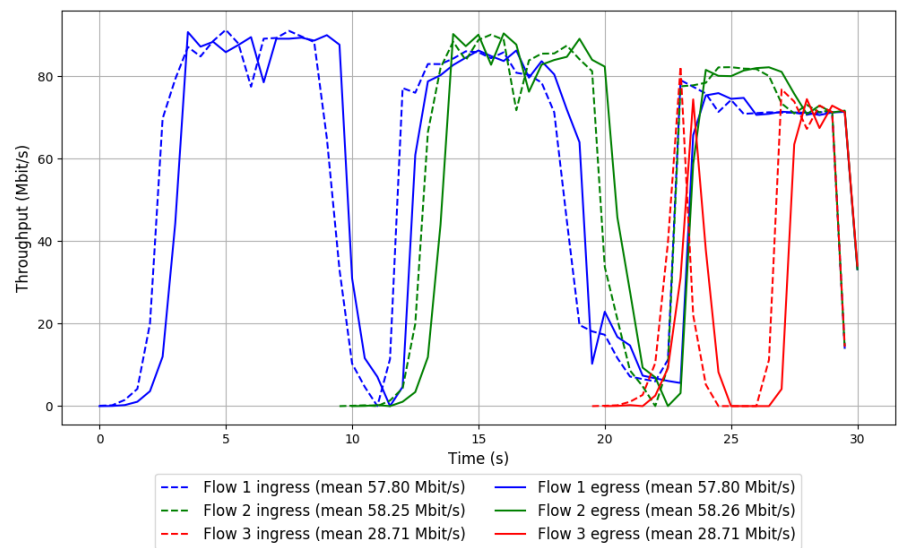
-- Flow 3:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 134.739 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 18:06:59

End at: 2018-07-25 18:07:29

Local clock offset: 0.221 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.72 Mbit/s

95th percentile per-packet one-way delay: 136.150 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.11 Mbit/s

95th percentile per-packet one-way delay: 136.184 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.55 Mbit/s

95th percentile per-packet one-way delay: 135.448 ms

Loss rate: 0.00%

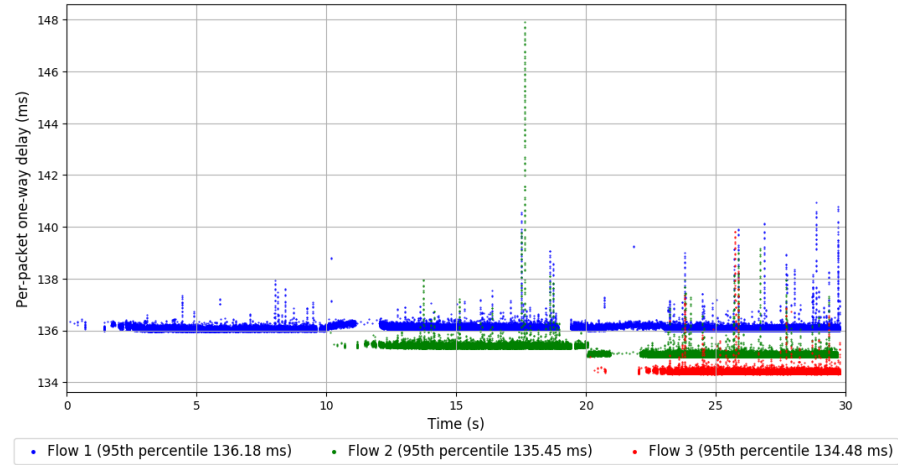
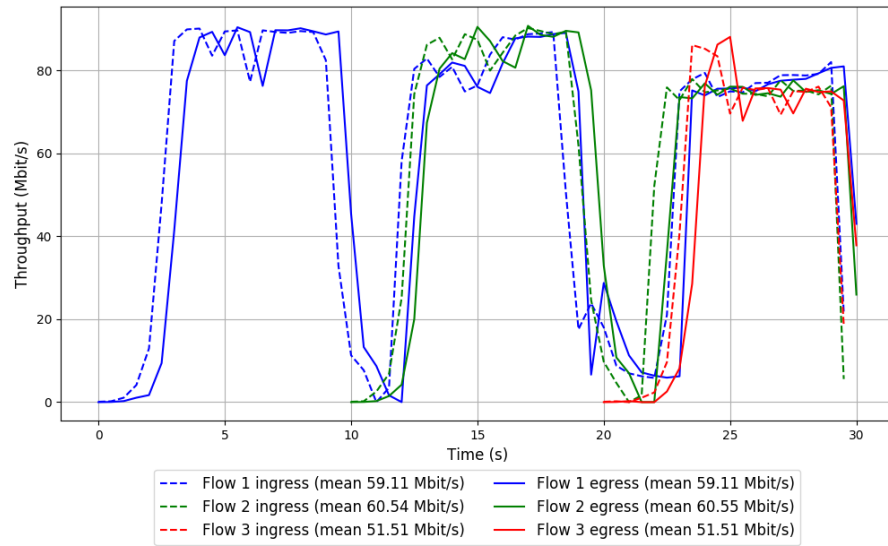
-- Flow 3:

Average throughput: 51.51 Mbit/s

95th percentile per-packet one-way delay: 134.482 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

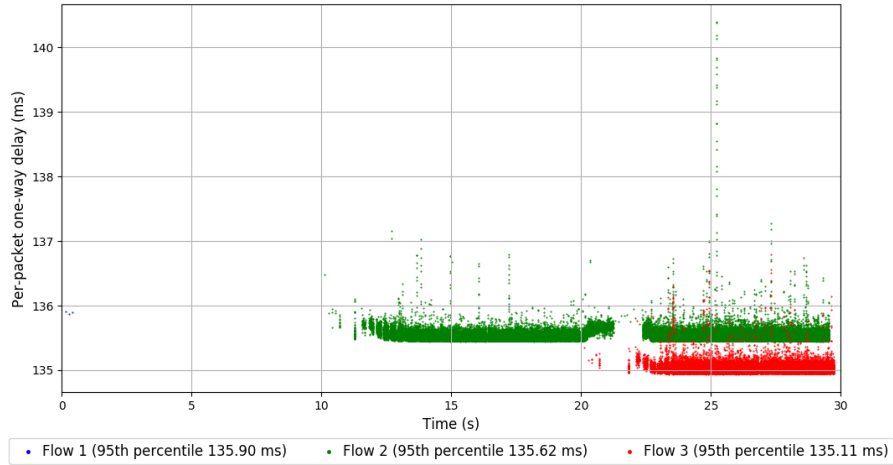
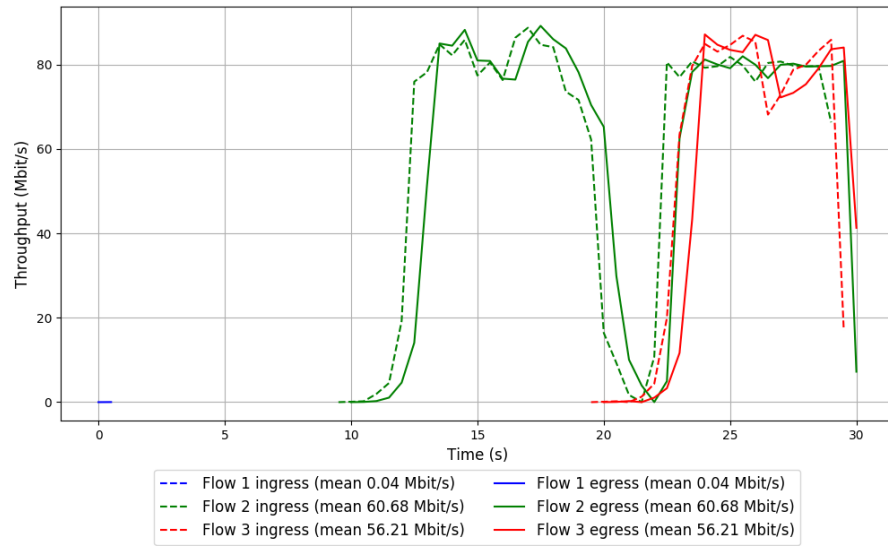


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 18:34:03
End at: 2018-07-25 18:34:33
Local clock offset: -0.061 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 135.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 135.903 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.68 Mbit/s
95th percentile per-packet one-way delay: 135.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 135.110 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

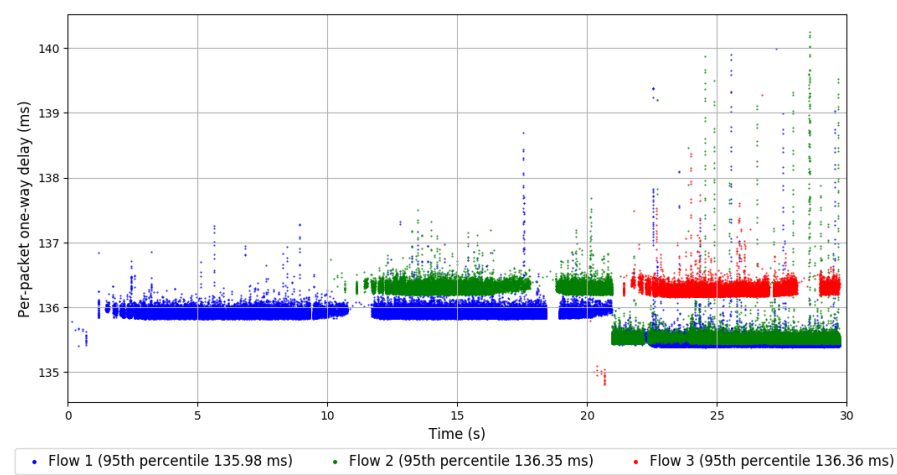
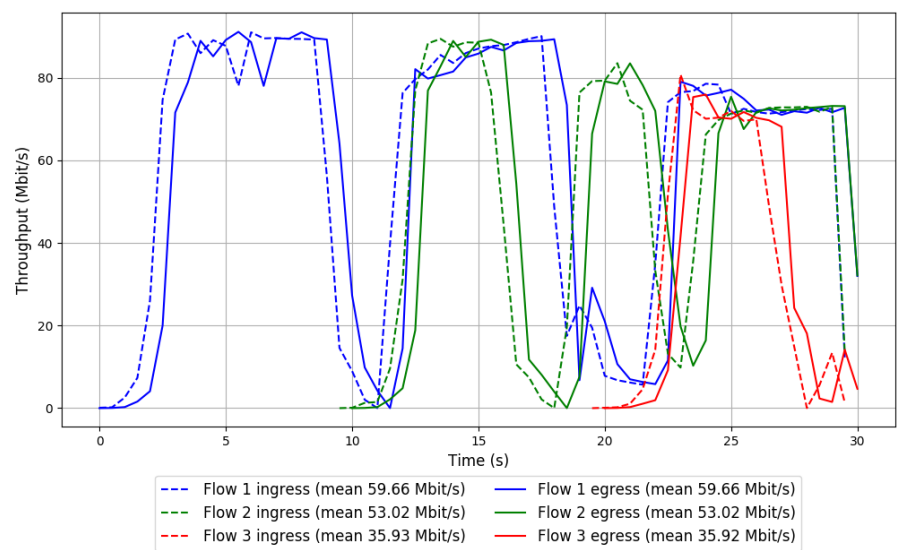


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 19:00:38
End at: 2018-07-25 19:01:08
Local clock offset: 0.072 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.49 Mbit/s
95th percentile per-packet one-way delay: 136.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.66 Mbit/s
95th percentile per-packet one-way delay: 135.977 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.02 Mbit/s
95th percentile per-packet one-way delay: 136.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 136.358 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

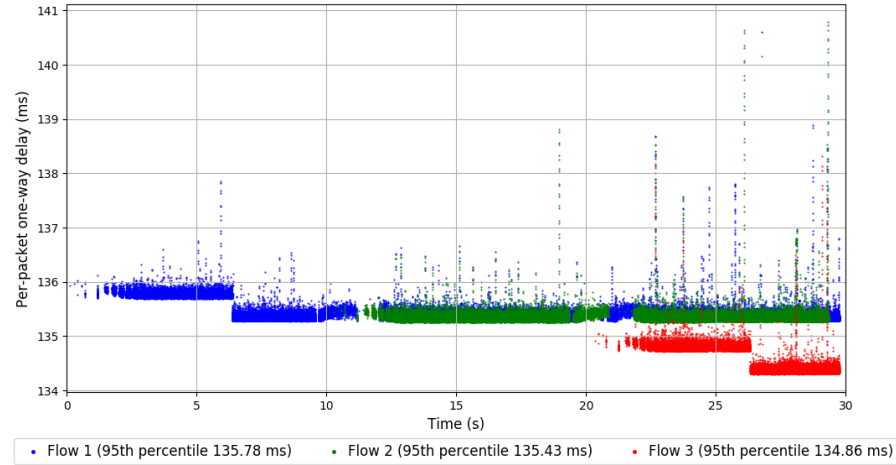
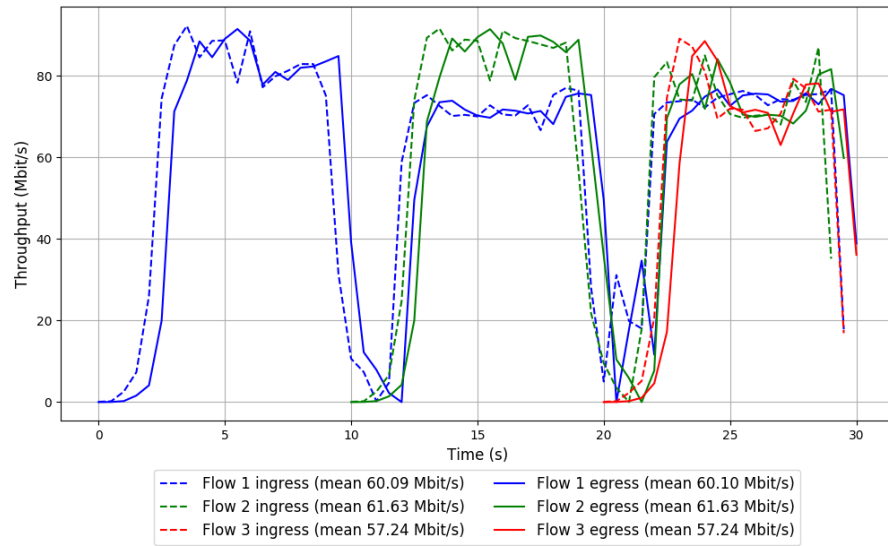


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 19:27:33
End at: 2018-07-25 19:28:03
Local clock offset: 0.07 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 118.50 Mbit/s
95th percentile per-packet one-way delay: 135.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.10 Mbit/s
95th percentile per-packet one-way delay: 135.778 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.63 Mbit/s
95th percentile per-packet one-way delay: 135.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 134.861 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

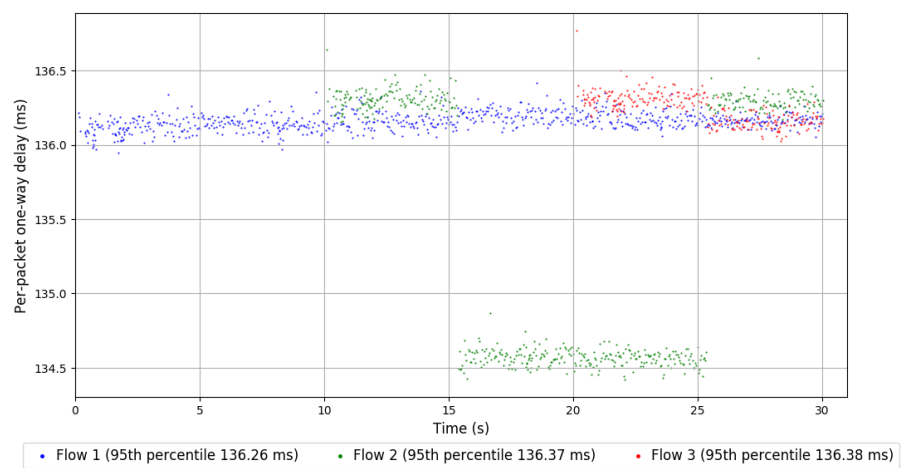
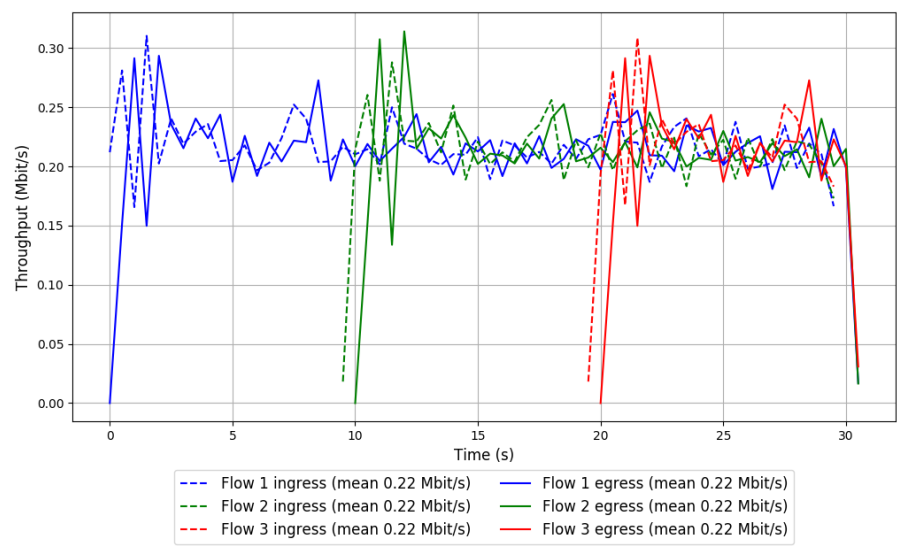


Run 1: Statistics of SReAM

Start at: 2018-07-25 15:20:44
End at: 2018-07-25 15:21:14
Local clock offset: 0.011 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.381 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

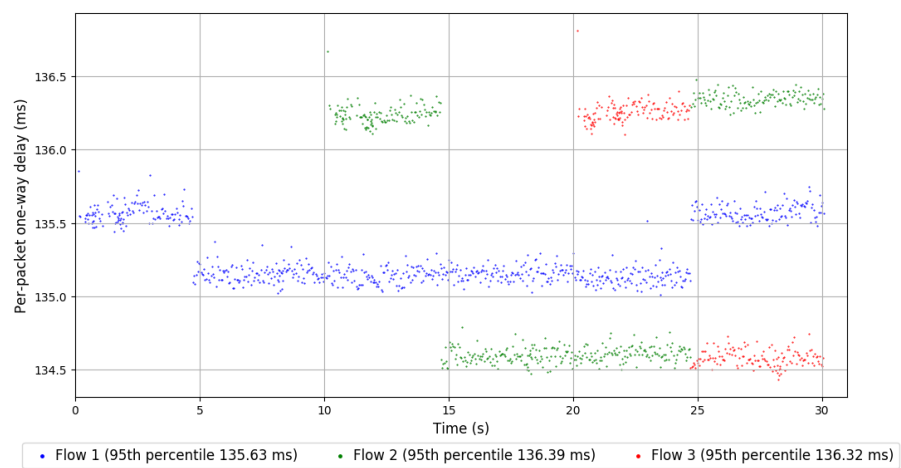
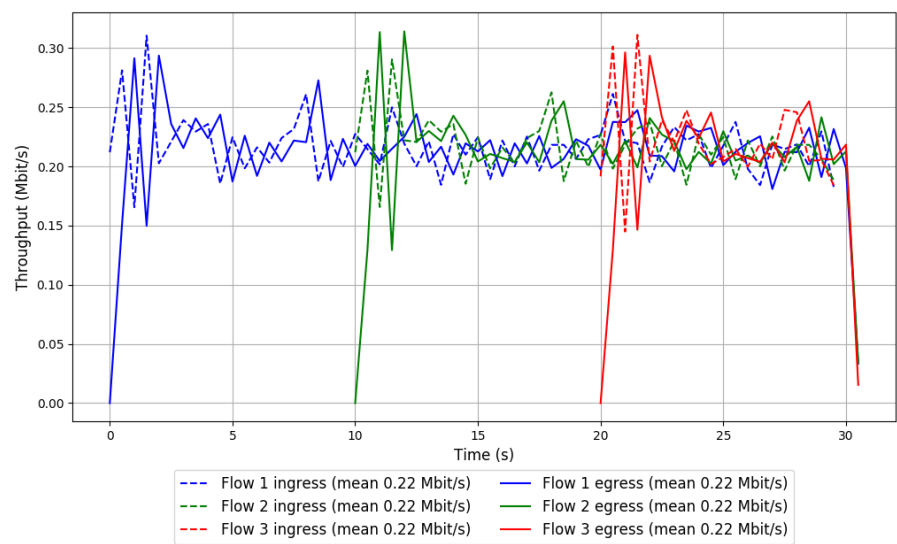


Run 2: Statistics of SReAM

Start at: 2018-07-25 15:47:15
End at: 2018-07-25 15:47:45
Local clock offset: -0.013 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.323 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

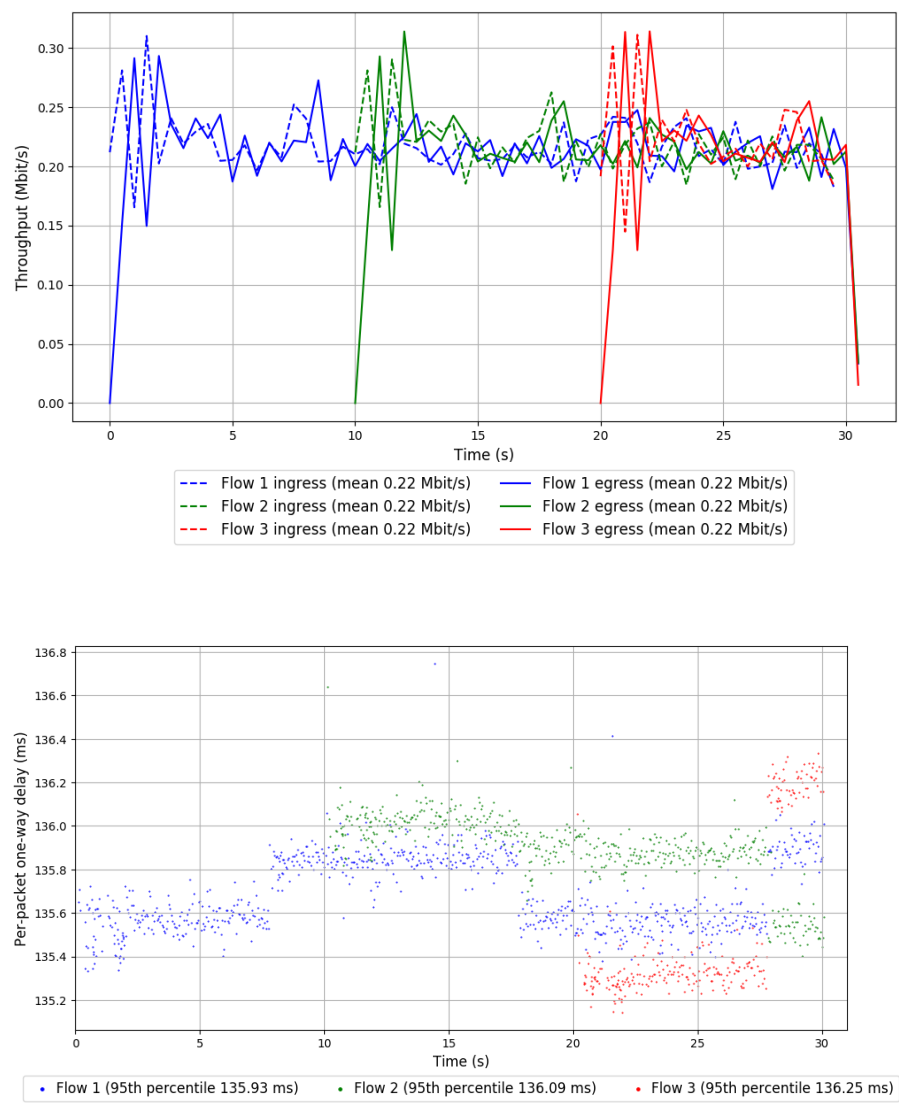


Run 3: Statistics of SReAM

Start at: 2018-07-25 16:14:32
End at: 2018-07-25 16:15:02
Local clock offset: 0.098 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.086 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

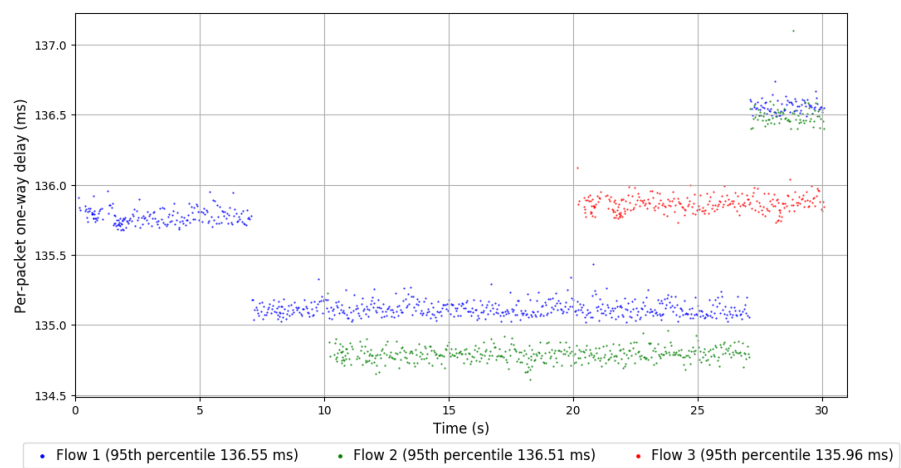
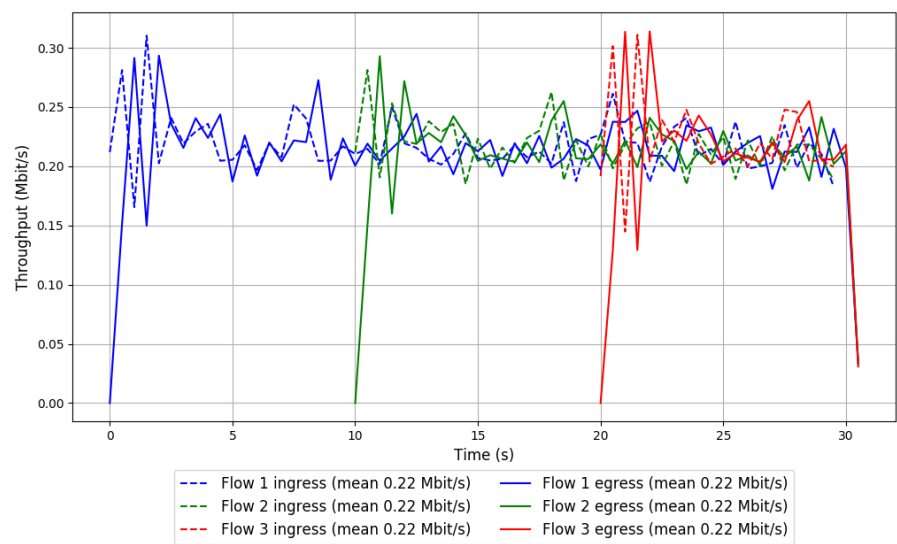


Run 4: Statistics of SReAM

Start at: 2018-07-25 16:41:13
End at: 2018-07-25 16:41:43
Local clock offset: -0.054 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.553 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.955 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-25 17:08:17

End at: 2018-07-25 17:08:47

Local clock offset: -0.211 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 137.141 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.963 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.188 ms

Loss rate: 0.00%

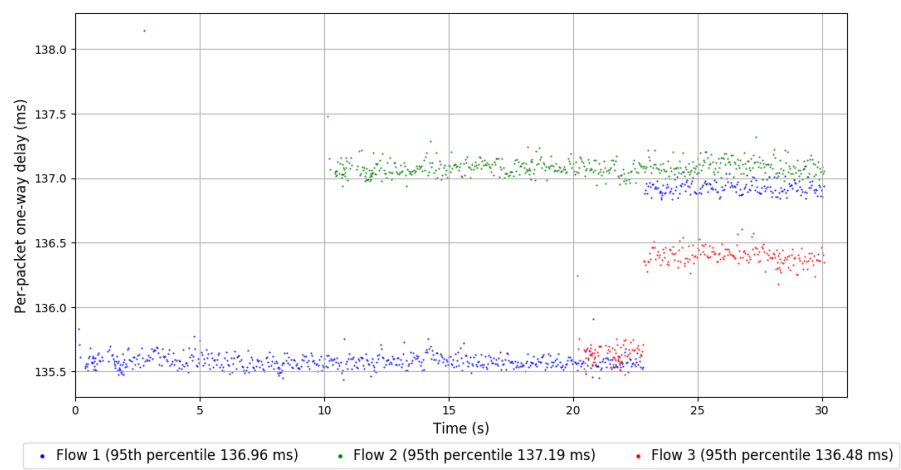
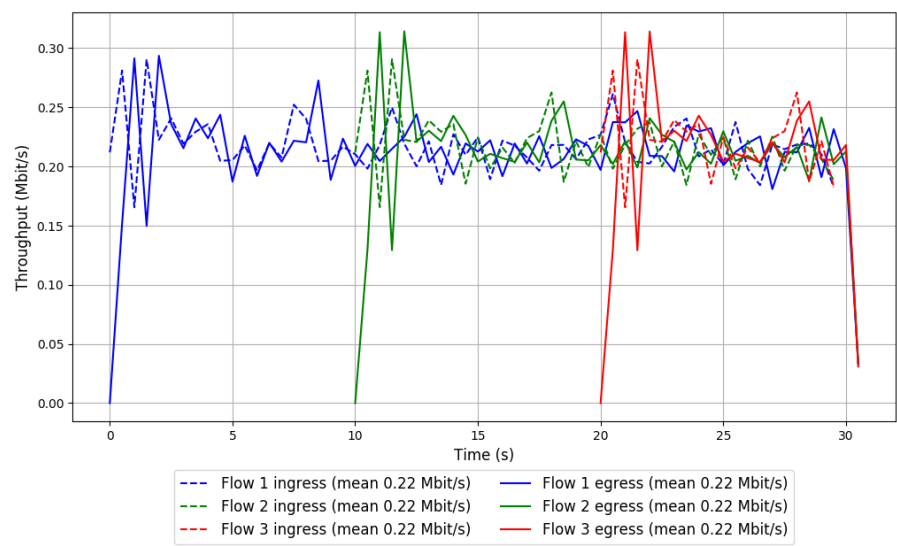
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.482 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-25 17:35:34

End at: 2018-07-25 17:36:04

Local clock offset: -0.036 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 137.100 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.126 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.035 ms

Loss rate: 0.00%

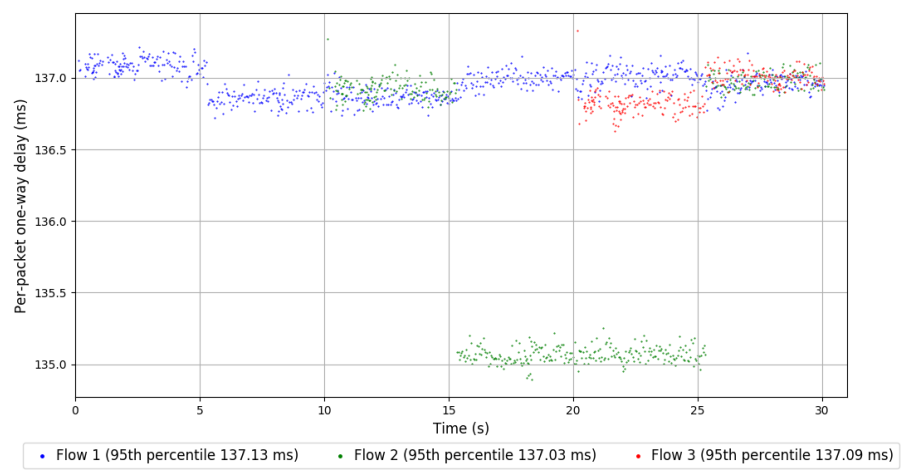
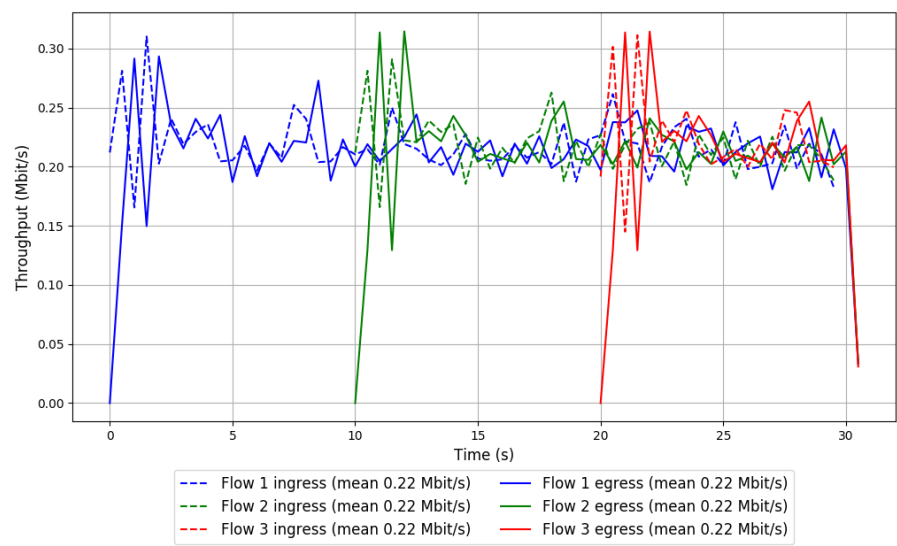
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.087 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

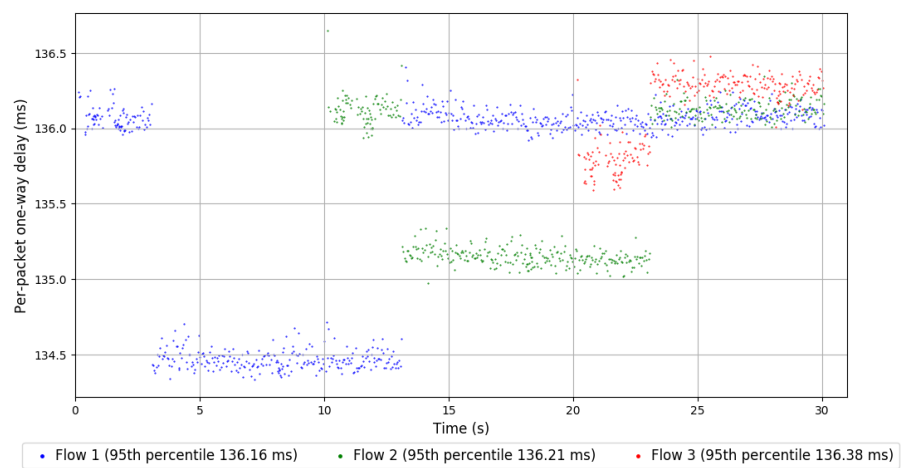
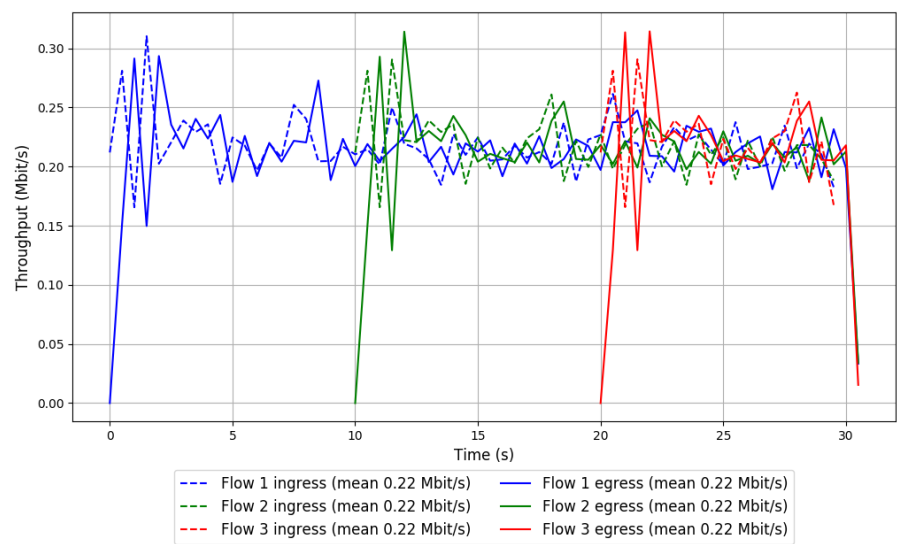


Run 7: Statistics of SReAM

Start at: 2018-07-25 18:02:47
End at: 2018-07-25 18:03:17
Local clock offset: 0.029 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.163 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.381 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

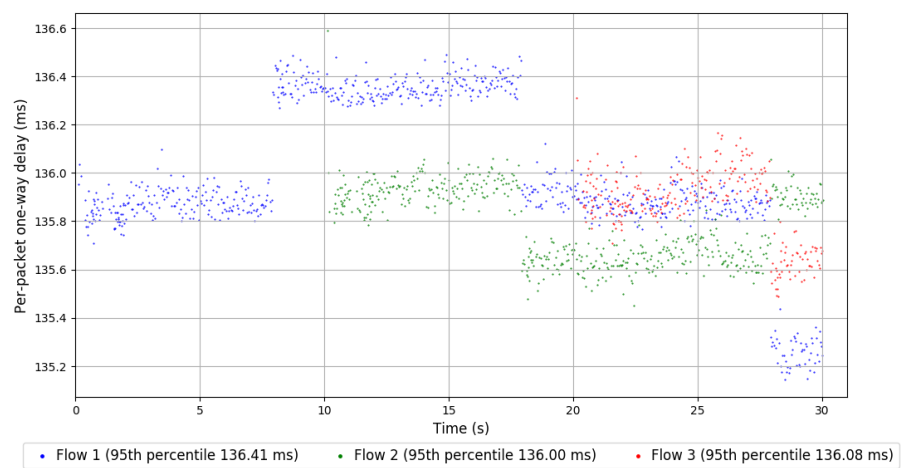
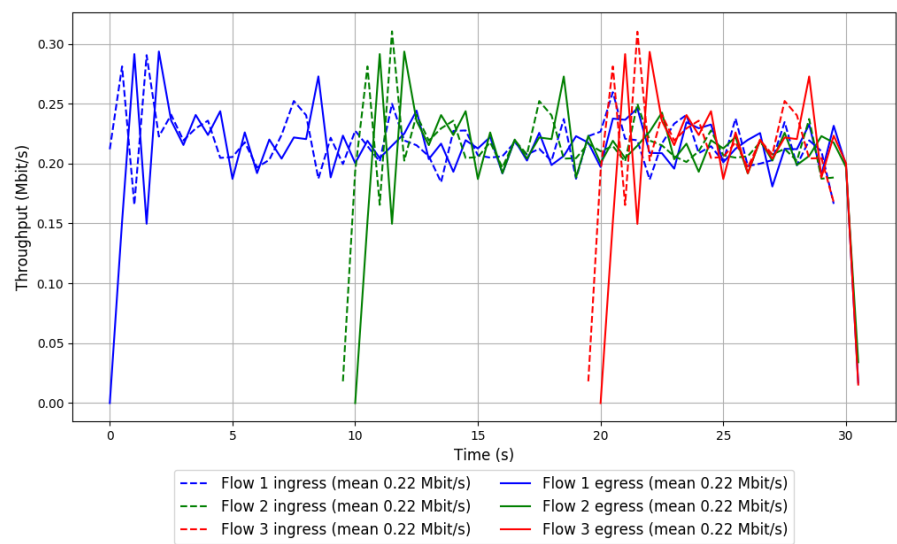


Run 8: Statistics of SReAM

Start at: 2018-07-25 18:29:52
End at: 2018-07-25 18:30:22
Local clock offset: 0.122 ms
Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.000 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.080 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-25 18:56:28

End at: 2018-07-25 18:56:58

Local clock offset: 0.27 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.645 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.659 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.076 ms

Loss rate: 0.00%

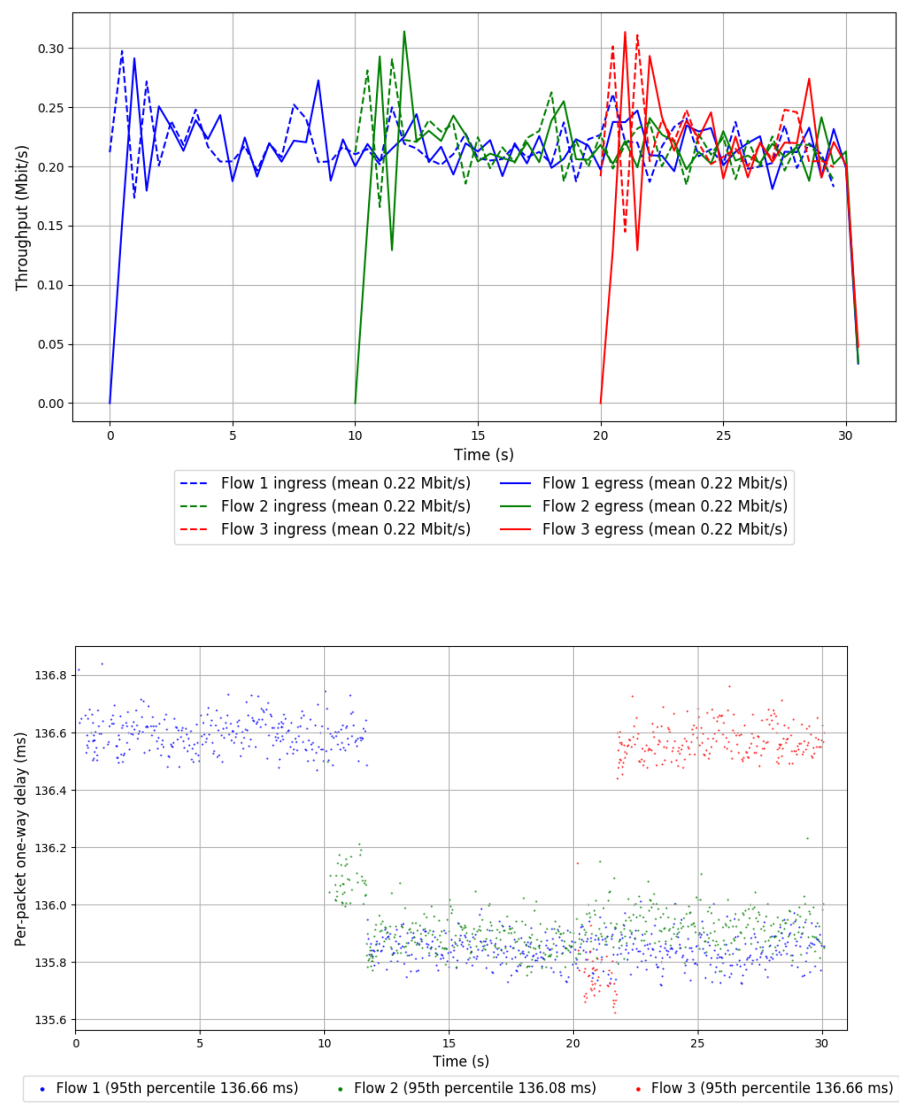
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.662 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-25 19:23:19

End at: 2018-07-25 19:23:49

Local clock offset: -0.265 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 137.085 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.092 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

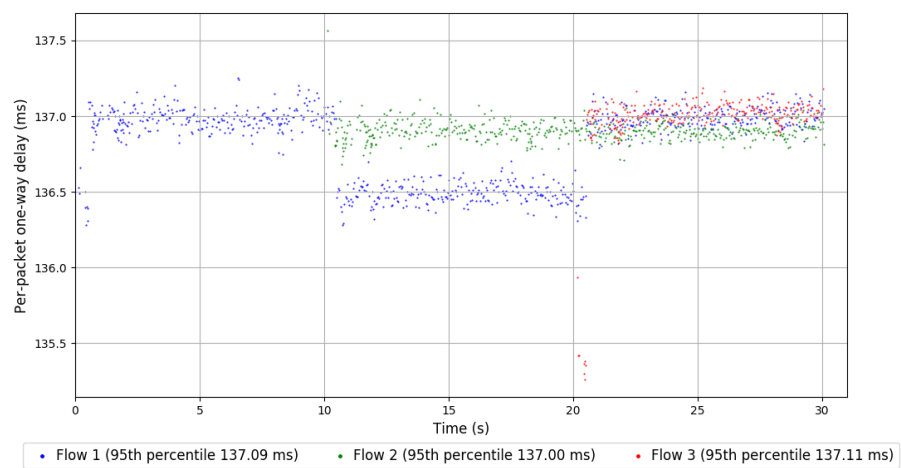
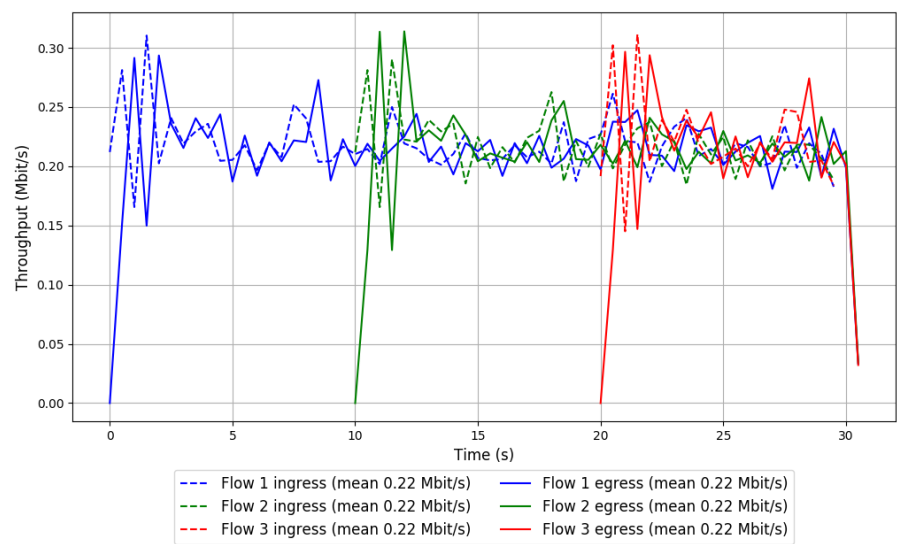
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.111 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-25 15:08:57

End at: 2018-07-25 15:09:27

Local clock offset: -0.376 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-25 22:08:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.36 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.946 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 136.927 ms

Loss rate: 0.00%

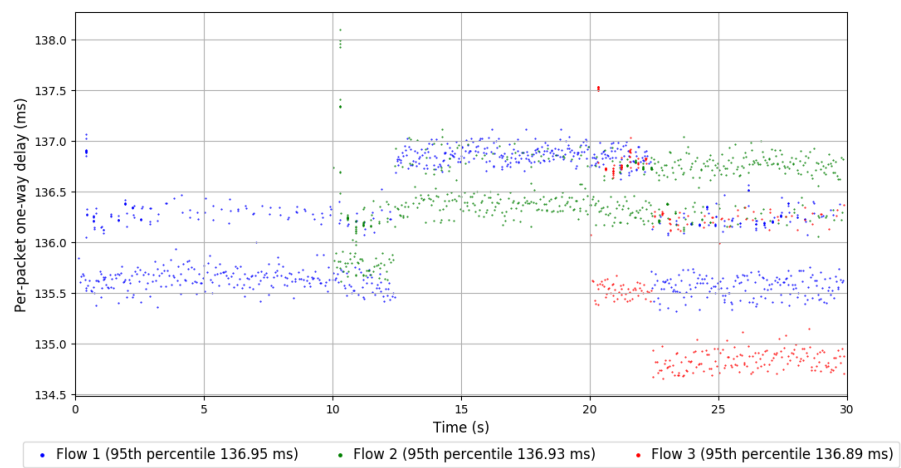
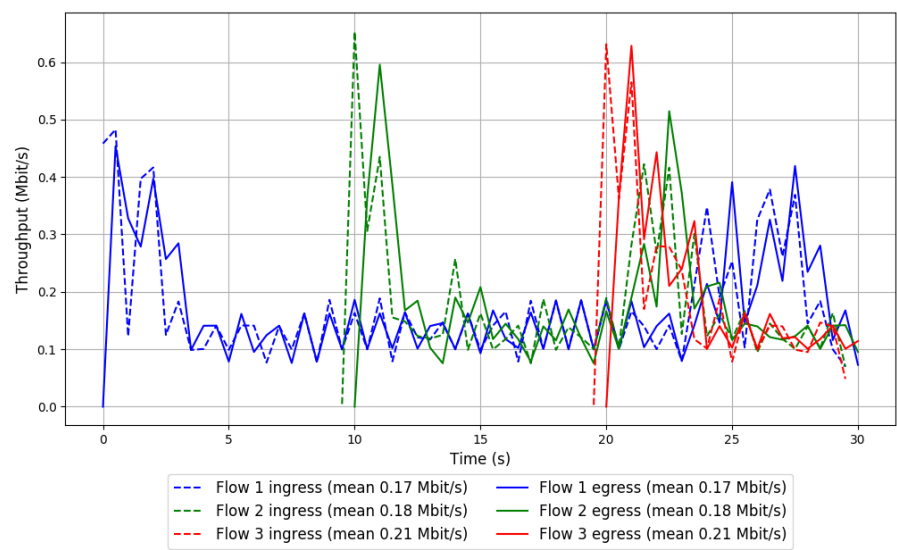
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 136.892 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

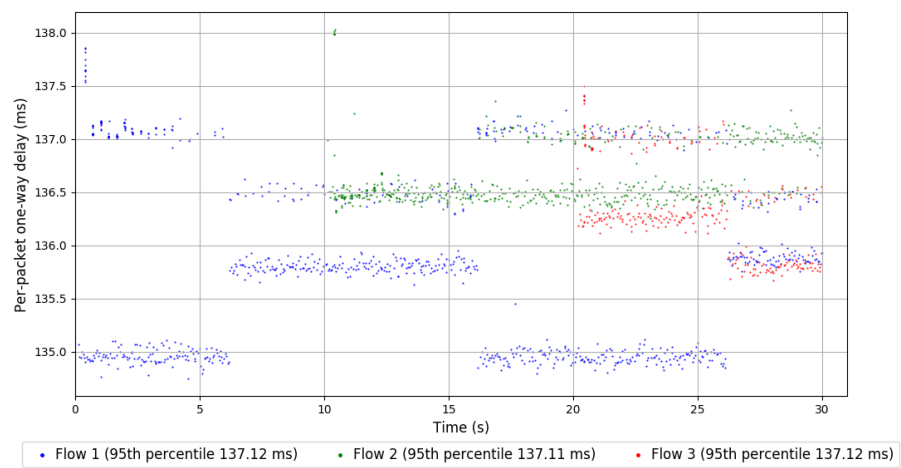
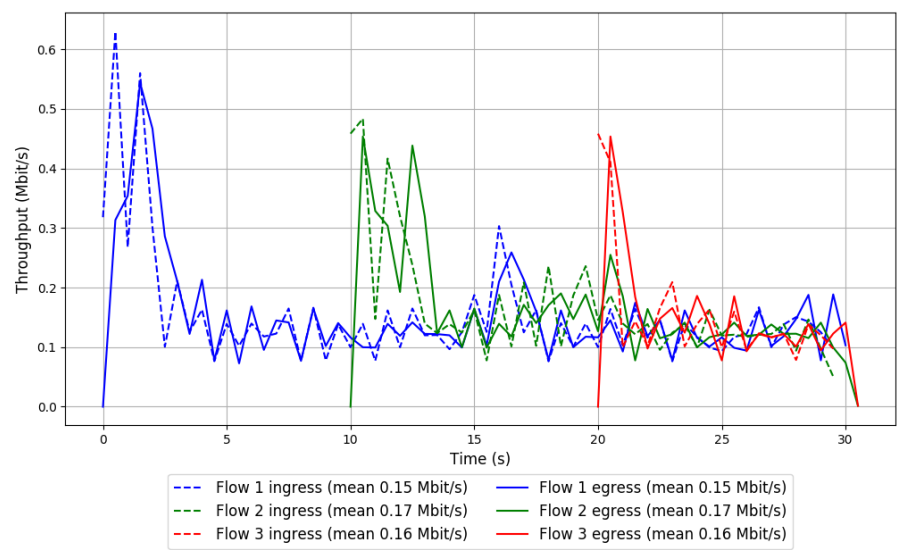


Run 2: Statistics of Sprout

Start at: 2018-07-25 15:36:03
End at: 2018-07-25 15:36:33
Local clock offset: -0.026 ms
Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 137.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.121 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.114 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 137.120 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

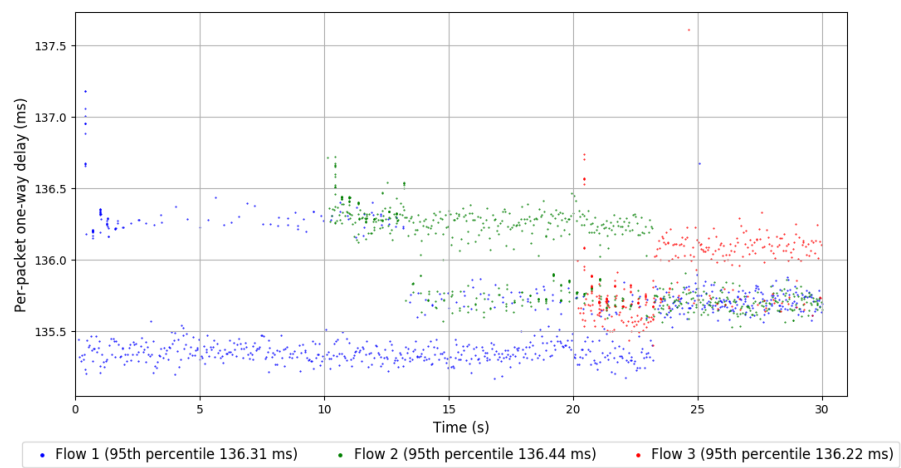
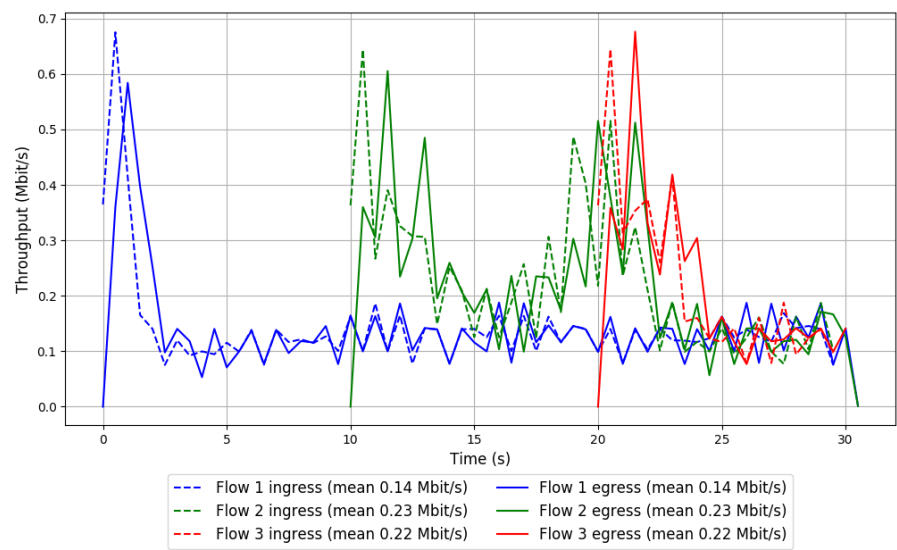


Run 3: Statistics of Sprout

Start at: 2018-07-25 16:02:36
End at: 2018-07-25 16:03:06
Local clock offset: 0.062 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-07-25 22:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.435 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.217 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

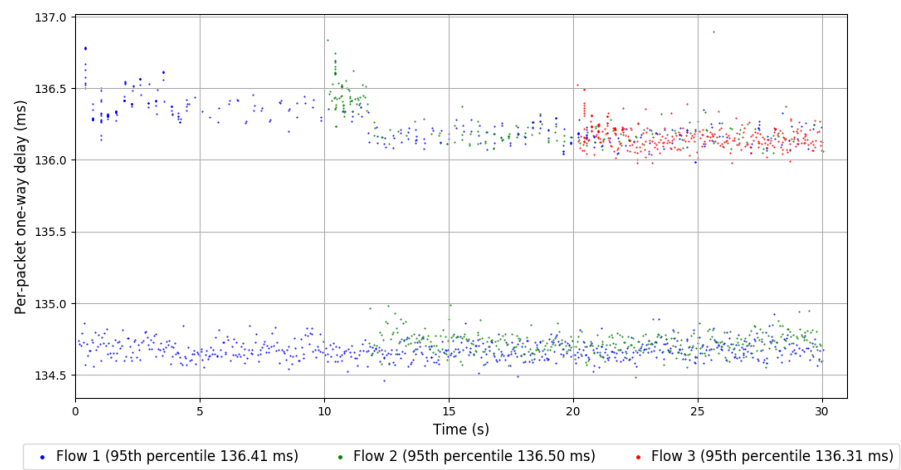
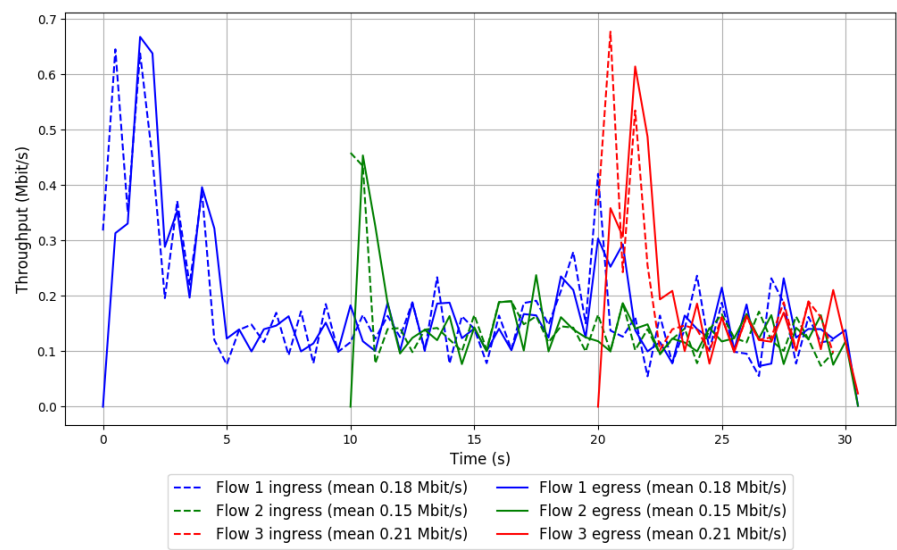


Run 4: Statistics of Sprout

Start at: 2018-07-25 16:29:48
End at: 2018-07-25 16:30:18
Local clock offset: 0.054 ms
Remote clock offset: -0.366 ms

```
# Below is generated by plot.py at 2018-07-25 22:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.413 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.497 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.309 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-25 16:56:44

End at: 2018-07-25 16:57:14

Local clock offset: 0.473 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-25 22:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 136.420 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.453 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 136.406 ms

Loss rate: 0.00%

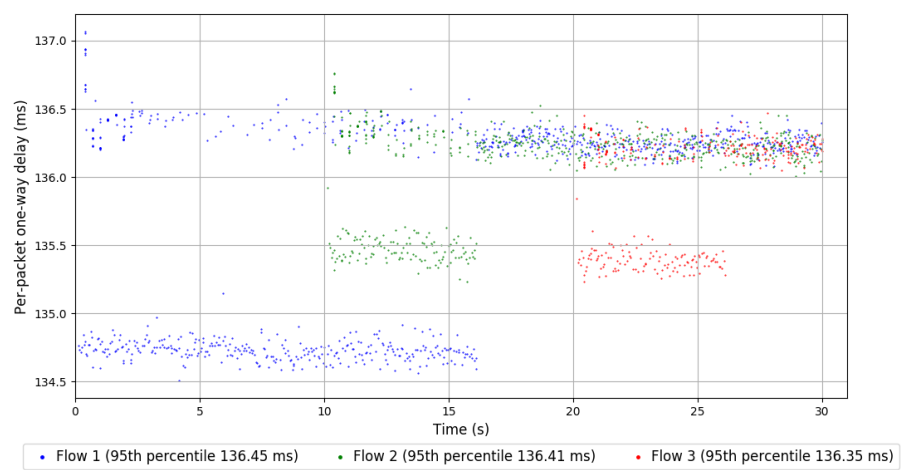
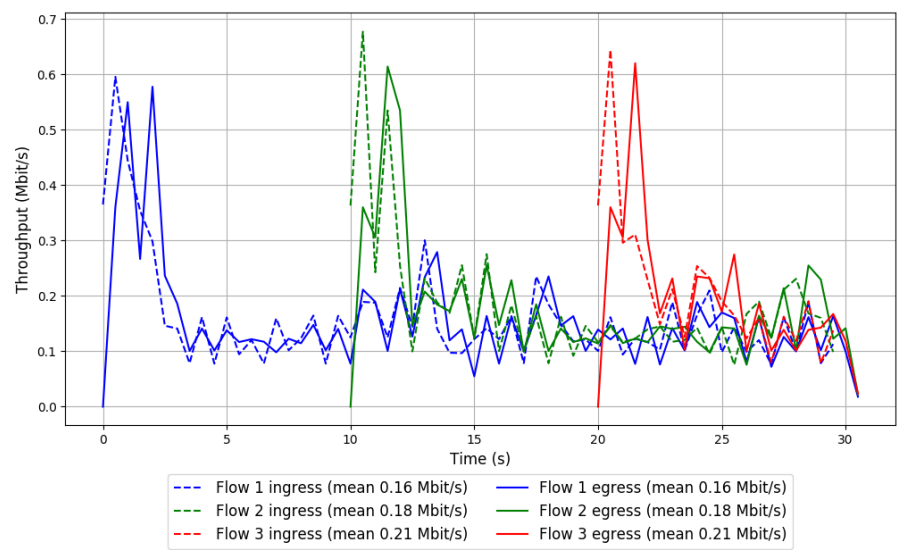
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 136.348 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-25 17:23:46

End at: 2018-07-25 17:24:16

Local clock offset: 0.109 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-07-25 22:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 136.218 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.213 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.169 ms

Loss rate: 0.00%

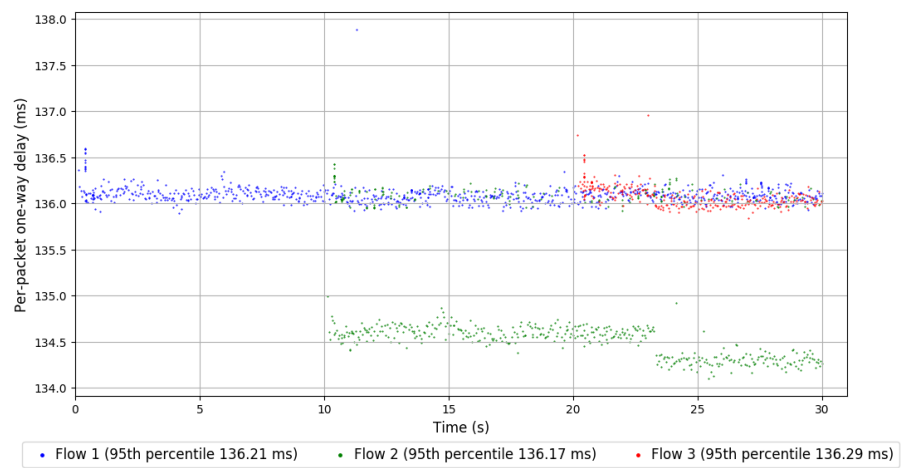
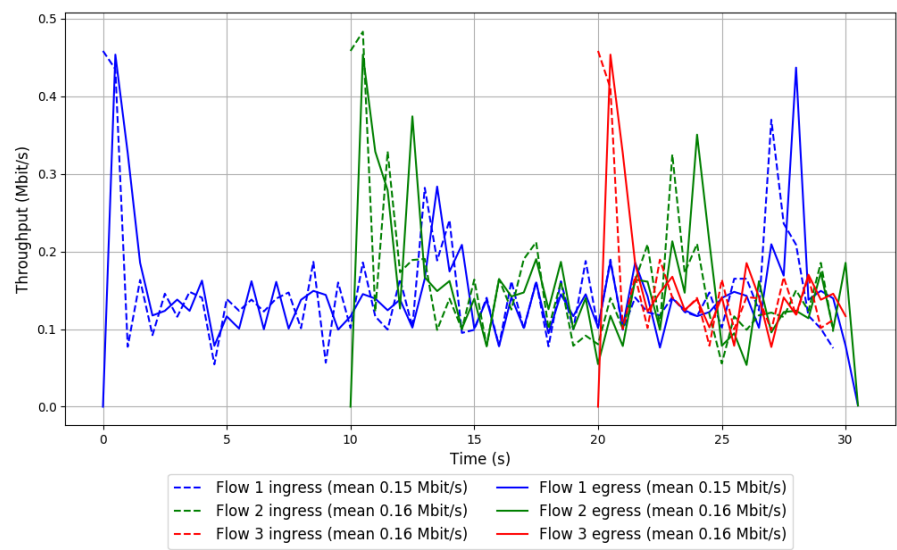
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.287 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

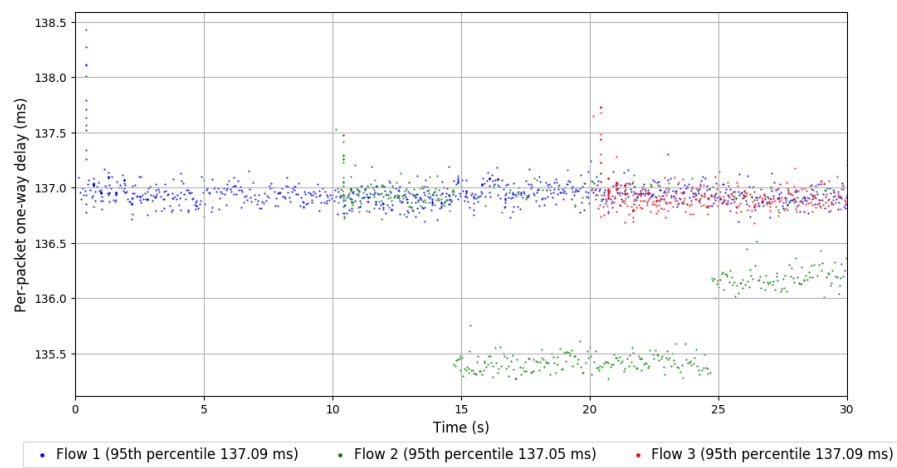
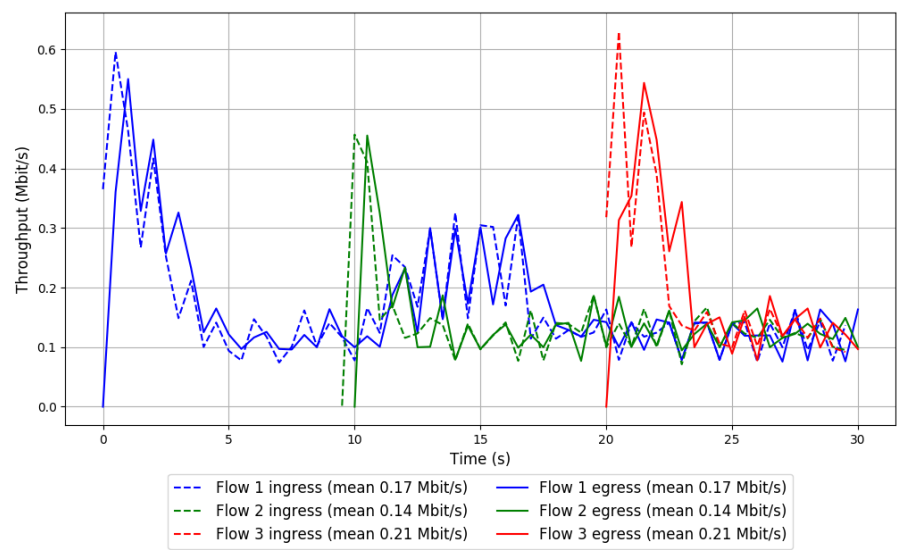


Run 7: Statistics of Sprout

Start at: 2018-07-25 17:51:15
End at: 2018-07-25 17:51:45
Local clock offset: 0.048 ms
Remote clock offset: 0.421 ms

```
# Below is generated by plot.py at 2018-07-25 22:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 137.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 137.094 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

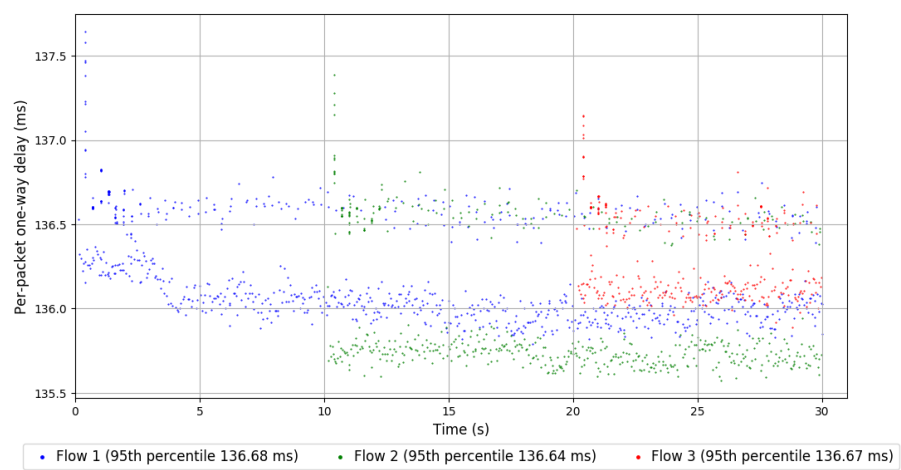
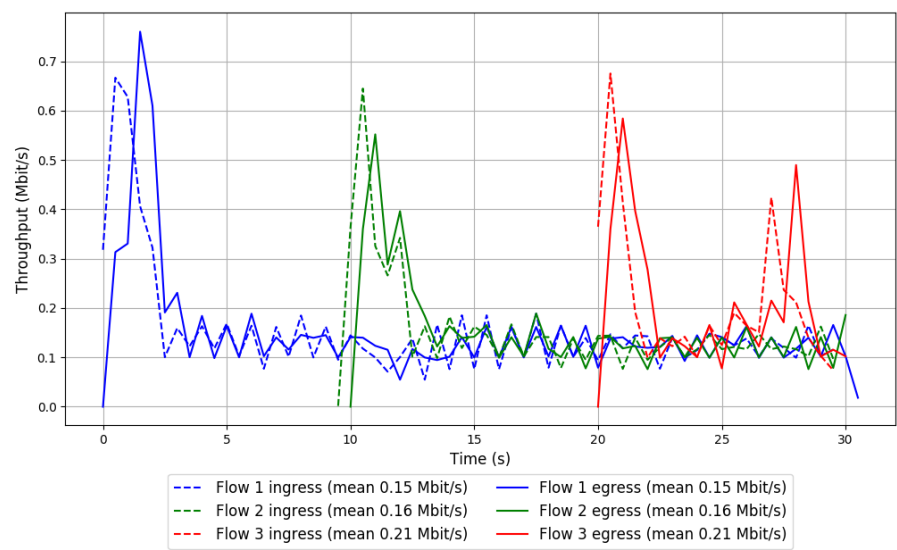


Run 8: Statistics of Sprout

Start at: 2018-07-25 18:18:06
End at: 2018-07-25 18:18:36
Local clock offset: -0.013 ms
Remote clock offset: -0.046 ms

```
# Below is generated by plot.py at 2018-07-25 22:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.680 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.667 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

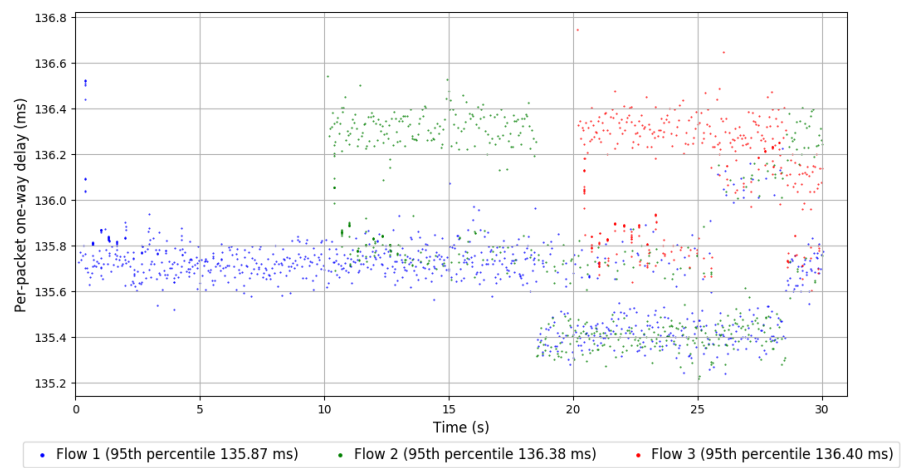
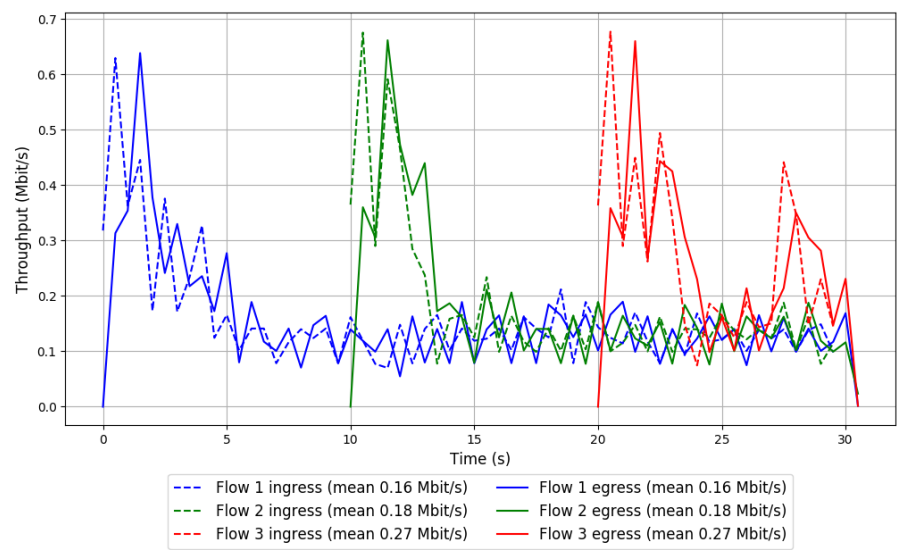


Run 9: Statistics of Sprout

Start at: 2018-07-25 18:45:01
End at: 2018-07-25 18:45:31
Local clock offset: -0.03 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-07-25 22:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.871 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 136.399 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

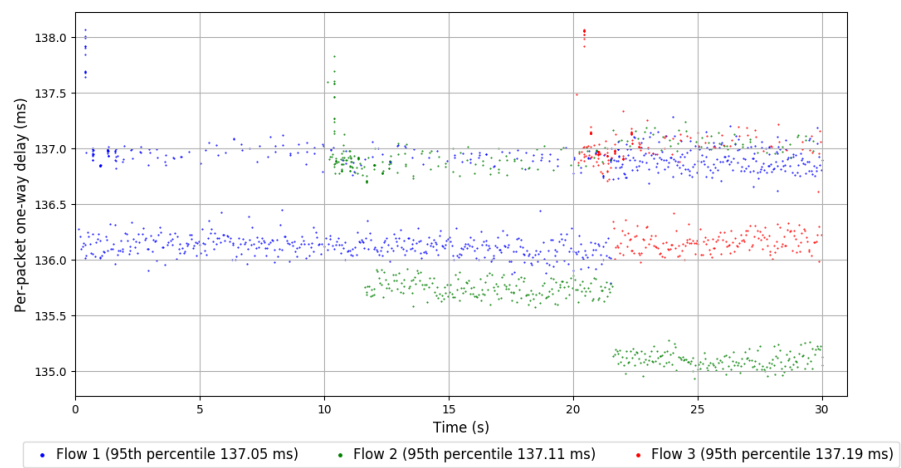
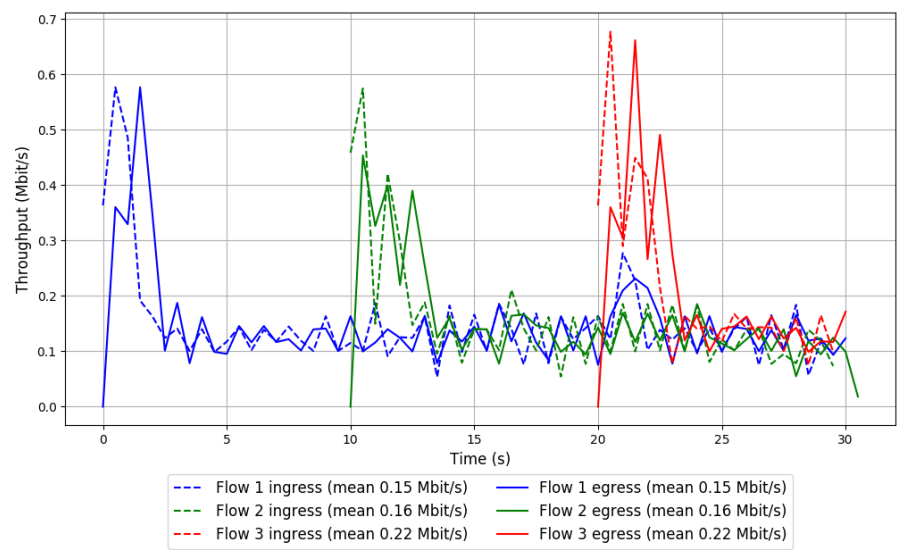


Run 10: Statistics of Sprout

Start at: 2018-07-25 19:11:38
End at: 2018-07-25 19:12:08
Local clock offset: -0.283 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-25 22:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 137.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.054 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 137.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.192 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

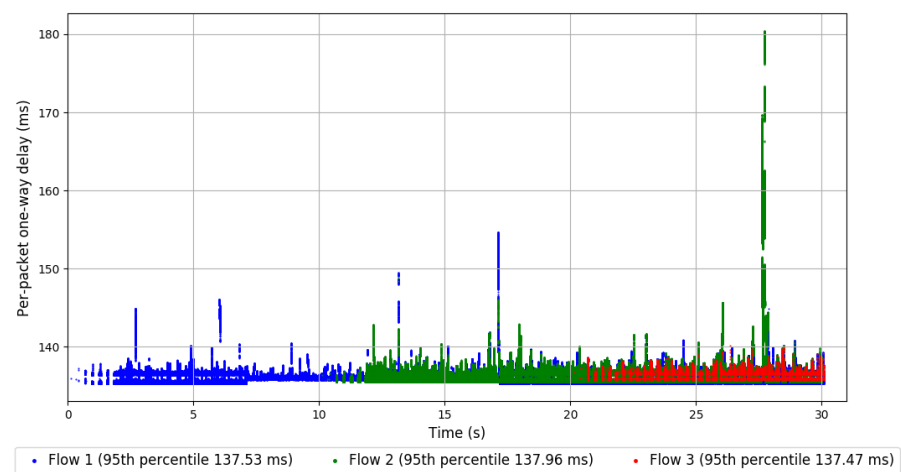
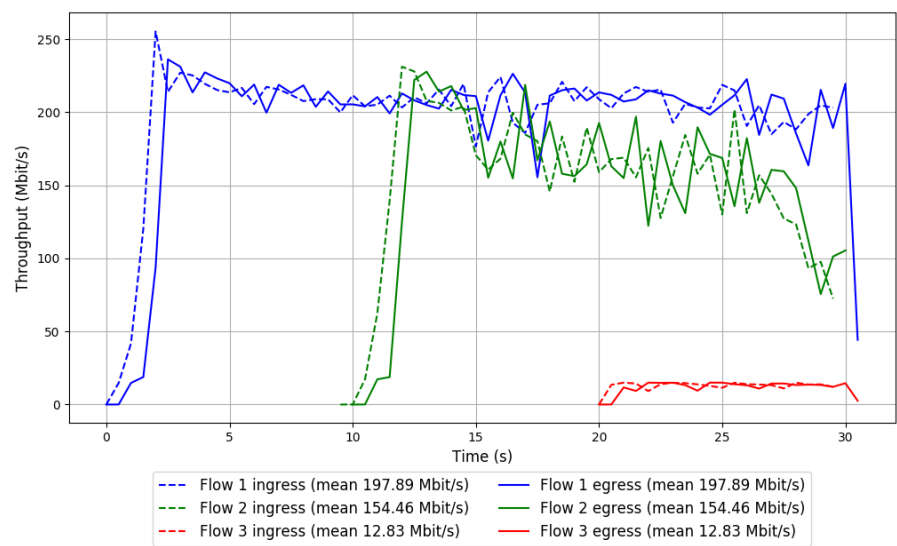


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 15:10:13
End at: 2018-07-25 15:10:43
Local clock offset: -0.705 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-25 22:11:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.53 Mbit/s
95th percentile per-packet one-way delay: 137.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.89 Mbit/s
95th percentile per-packet one-way delay: 137.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.46 Mbit/s
95th percentile per-packet one-way delay: 137.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 137.473 ms
Loss rate: 0.00%

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

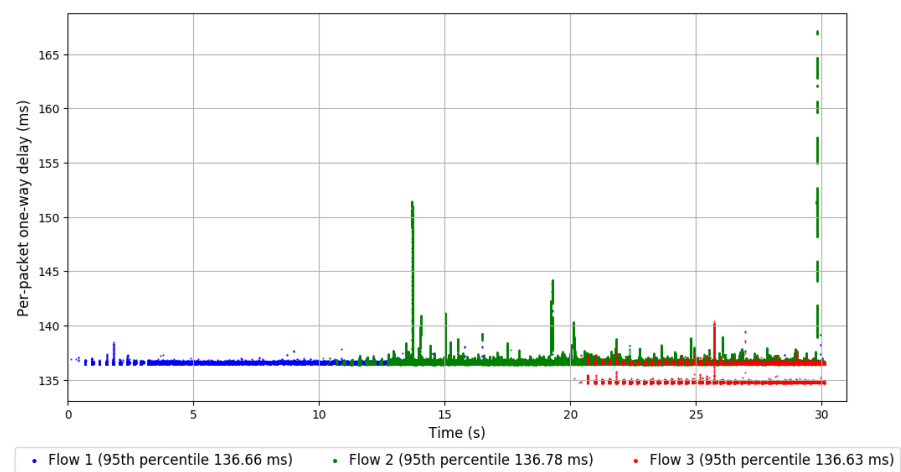
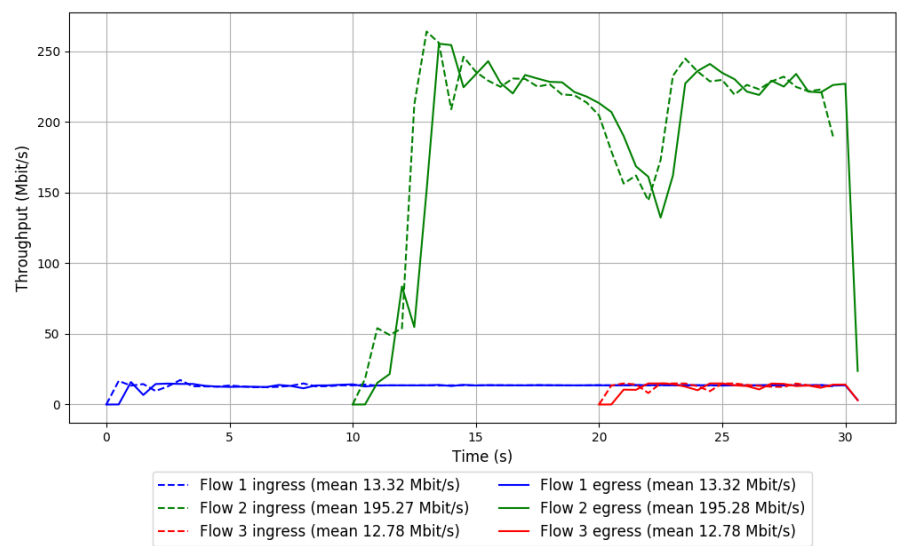


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 15:37:18
End at: 2018-07-25 15:37:48
Local clock offset: -0.05 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-25 22:11:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 147.66 Mbit/s
95th percentile per-packet one-way delay: 136.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 136.662 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.28 Mbit/s
95th percentile per-packet one-way delay: 136.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 136.628 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 16:03:51

End at: 2018-07-25 16:04:21

Local clock offset: 0.007 ms

Remote clock offset: 0.307 ms

Below is generated by plot.py at 2018-07-25 22:12:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.00 Mbit/s

95th percentile per-packet one-way delay: 137.446 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 181.16 Mbit/s

95th percentile per-packet one-way delay: 137.270 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 197.50 Mbit/s

95th percentile per-packet one-way delay: 137.829 ms

Loss rate: 0.00%

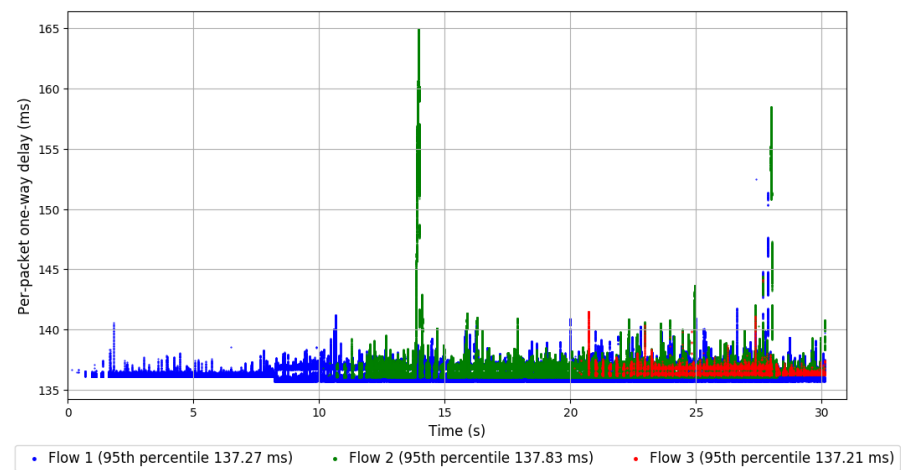
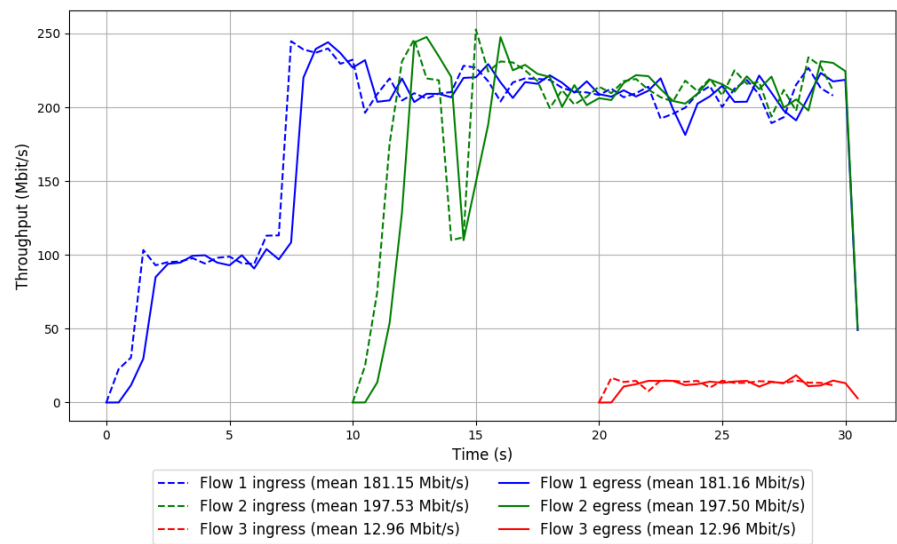
-- Flow 3:

Average throughput: 12.96 Mbit/s

95th percentile per-packet one-way delay: 137.207 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 16:31:03

End at: 2018-07-25 16:31:33

Local clock offset: 0.06 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-25 22:12:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.87 Mbit/s

95th percentile per-packet one-way delay: 138.045 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 196.25 Mbit/s

95th percentile per-packet one-way delay: 137.692 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 144.37 Mbit/s

95th percentile per-packet one-way delay: 138.690 ms

Loss rate: 0.00%

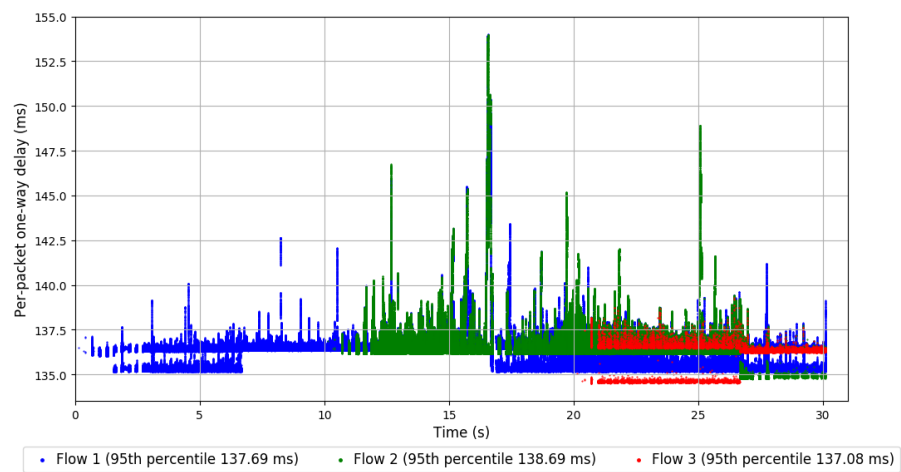
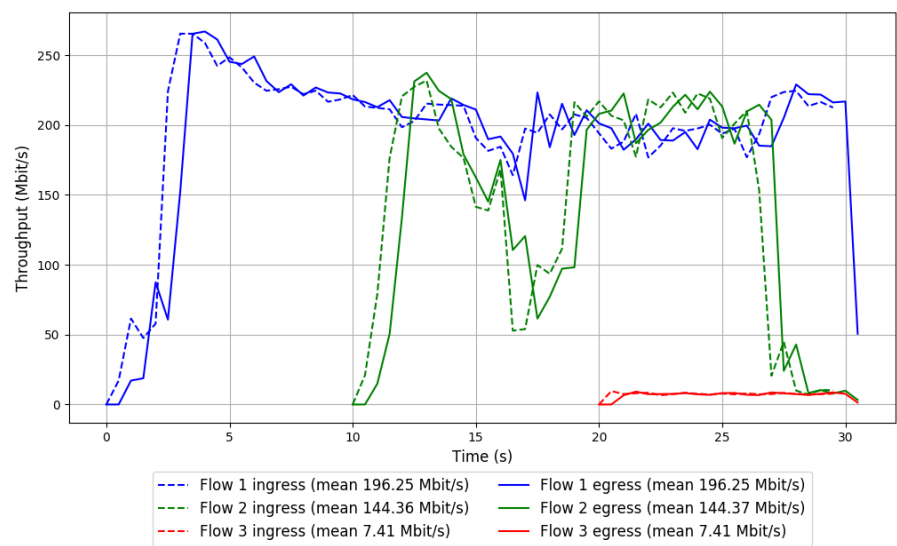
-- Flow 3:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 137.080 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 16:57:59

End at: 2018-07-25 16:58:29

Local clock offset: -0.309 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-25 22:12:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.67 Mbit/s

95th percentile per-packet one-way delay: 137.017 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 200.78 Mbit/s

95th percentile per-packet one-way delay: 137.030 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.97 Mbit/s

95th percentile per-packet one-way delay: 136.845 ms

Loss rate: 0.00%

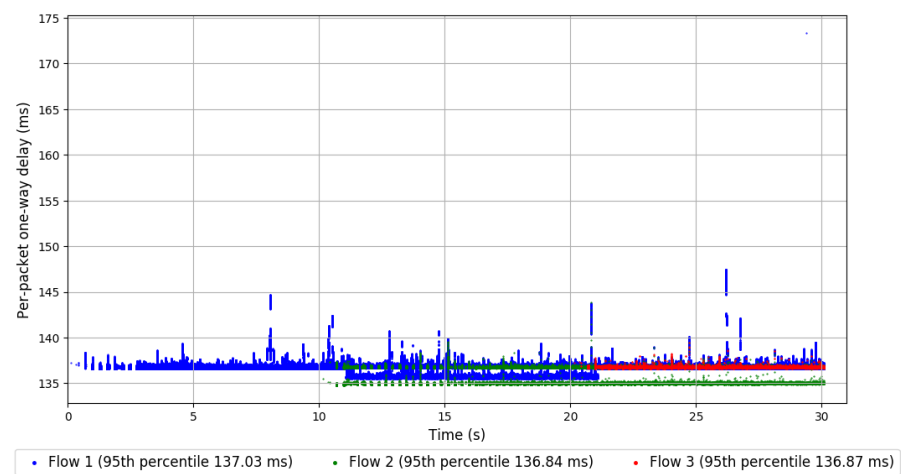
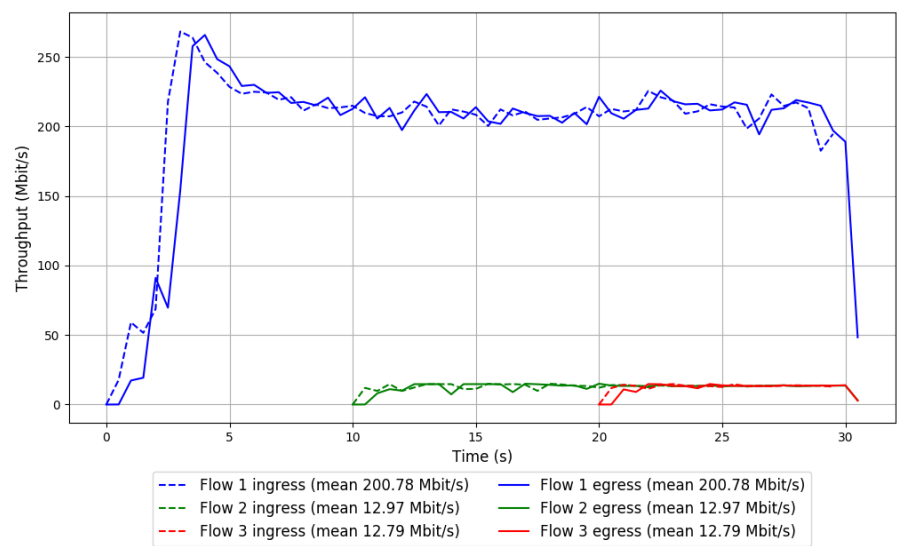
-- Flow 3:

Average throughput: 12.79 Mbit/s

95th percentile per-packet one-way delay: 136.866 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 17:25:01

End at: 2018-07-25 17:25:31

Local clock offset: -0.197 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-25 22:12:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.40 Mbit/s

95th percentile per-packet one-way delay: 137.455 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 203.43 Mbit/s

95th percentile per-packet one-way delay: 137.205 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.02 Mbit/s

95th percentile per-packet one-way delay: 138.288 ms

Loss rate: 0.00%

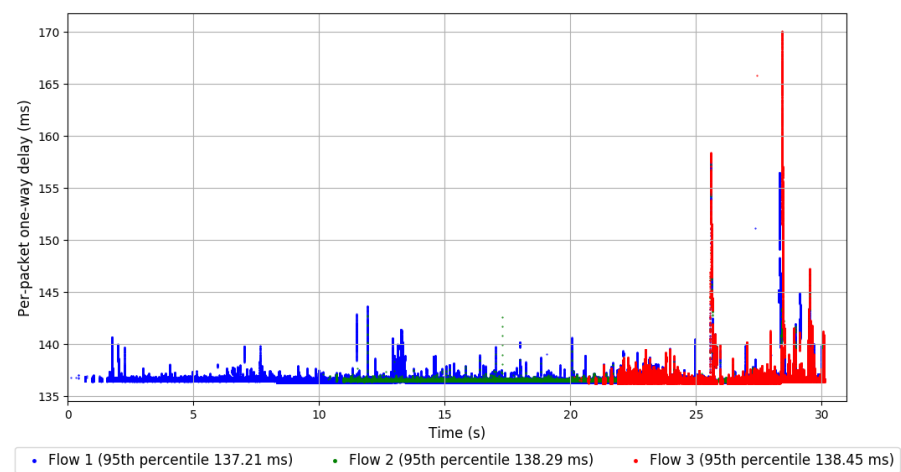
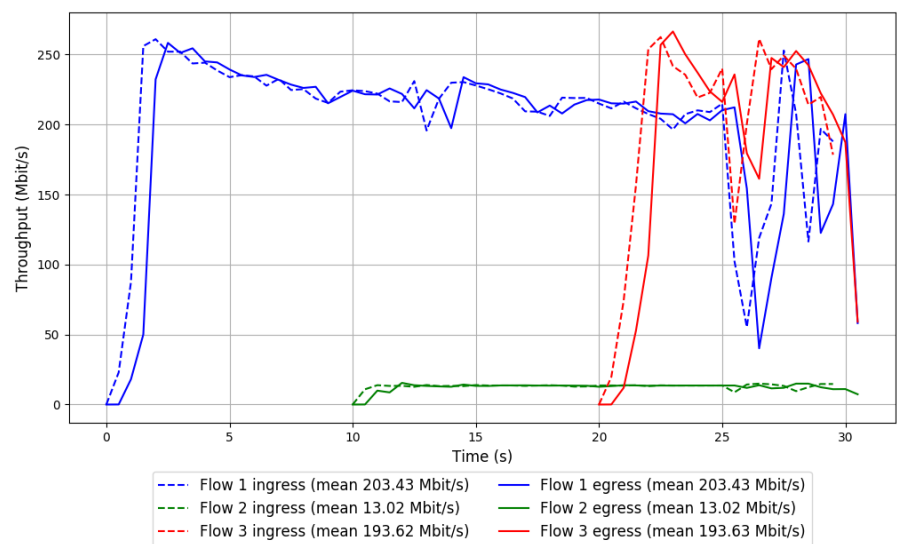
-- Flow 3:

Average throughput: 193.63 Mbit/s

95th percentile per-packet one-way delay: 138.453 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 17:52:30

End at: 2018-07-25 17:53:00

Local clock offset: 0.129 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-25 22:17:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.75 Mbit/s

95th percentile per-packet one-way delay: 136.792 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 195.93 Mbit/s

95th percentile per-packet one-way delay: 136.748 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 189.02 Mbit/s

95th percentile per-packet one-way delay: 136.853 ms

Loss rate: 0.00%

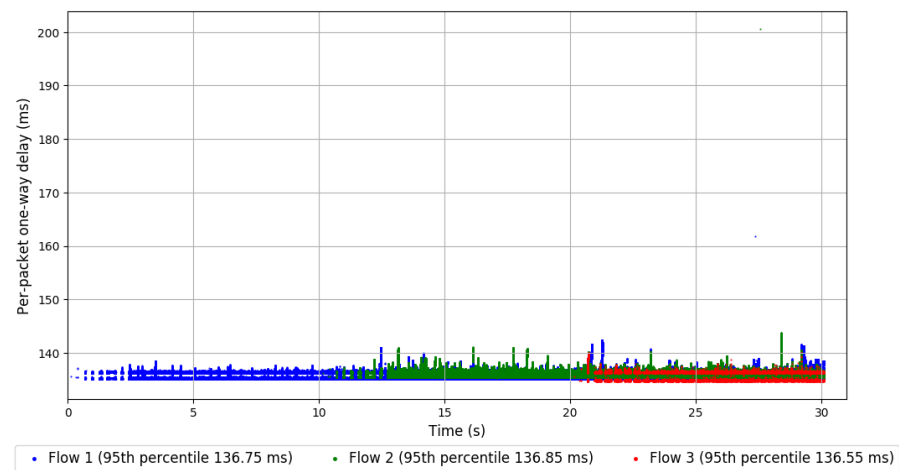
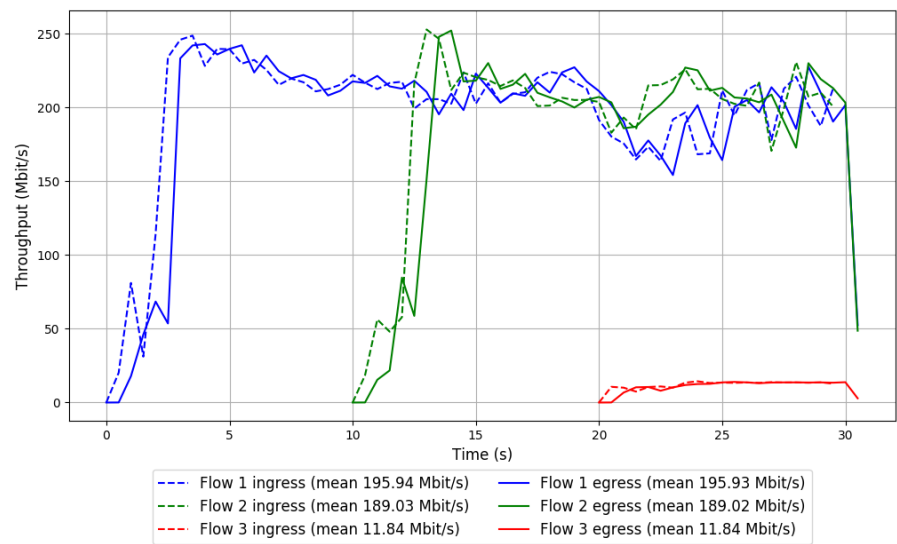
-- Flow 3:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 136.547 ms

Loss rate: 0.01%

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

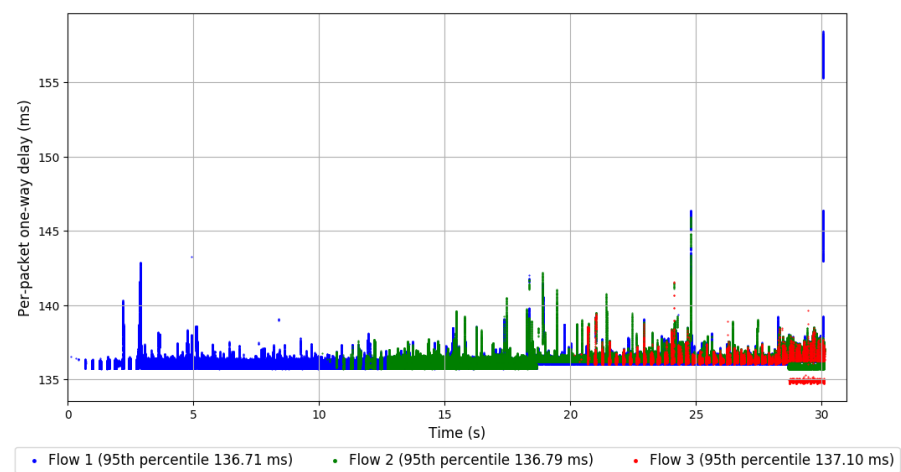
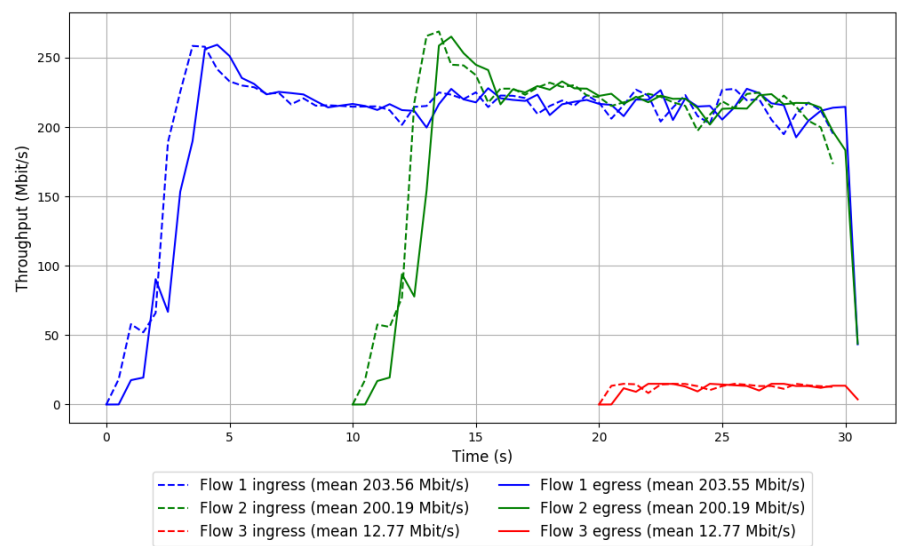


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 18:19:21
End at: 2018-07-25 18:19:51
Local clock offset: 0.051 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-25 22:19:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.17 Mbit/s
95th percentile per-packet one-way delay: 136.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.55 Mbit/s
95th percentile per-packet one-way delay: 136.709 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.19 Mbit/s
95th percentile per-packet one-way delay: 136.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 137.103 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 18:46:16

End at: 2018-07-25 18:46:46

Local clock offset: 0.025 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2018-07-25 22:19:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.83 Mbit/s

95th percentile per-packet one-way delay: 137.523 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 139.84 Mbit/s

95th percentile per-packet one-way delay: 137.061 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 112.75 Mbit/s

95th percentile per-packet one-way delay: 139.709 ms

Loss rate: 0.00%

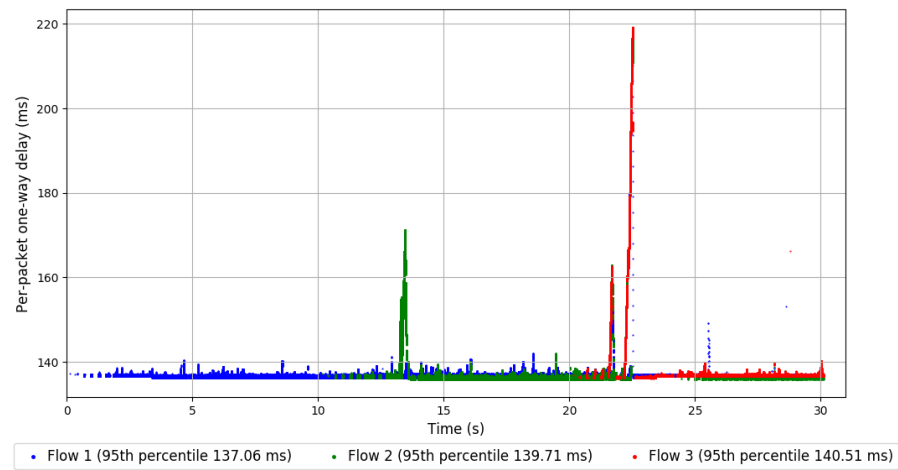
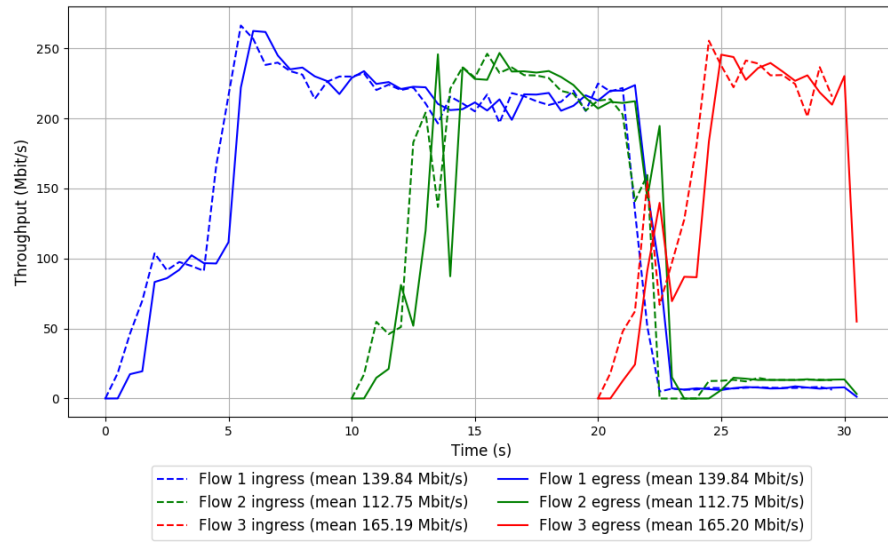
-- Flow 3:

Average throughput: 165.20 Mbit/s

95th percentile per-packet one-way delay: 140.513 ms

Loss rate: 0.00%

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

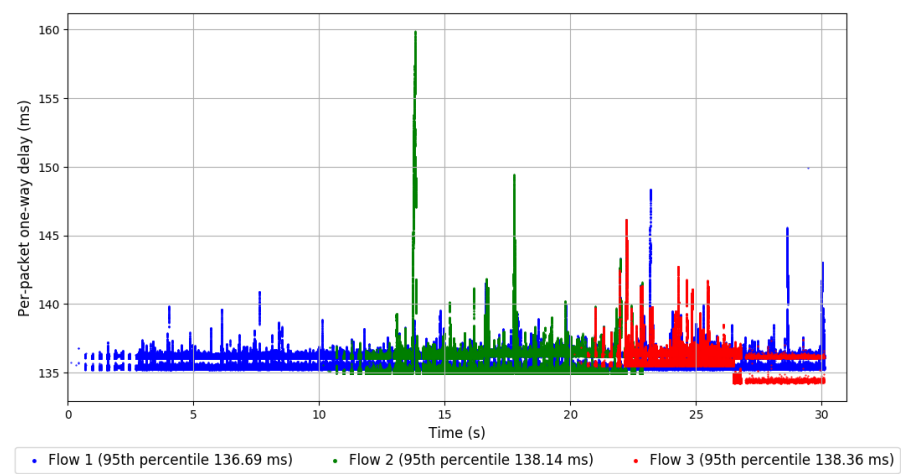
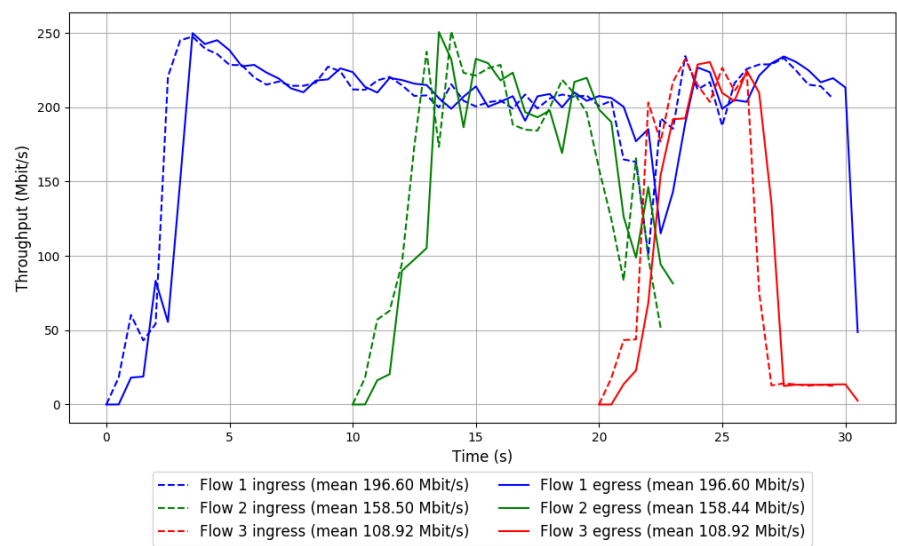


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 19:12:53
End at: 2018-07-25 19:13:23
Local clock offset: -0.098 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-25 22:22:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.06 Mbit/s
95th percentile per-packet one-way delay: 137.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.60 Mbit/s
95th percentile per-packet one-way delay: 136.688 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.44 Mbit/s
95th percentile per-packet one-way delay: 138.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 108.92 Mbit/s
95th percentile per-packet one-way delay: 138.363 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 15:07:37

End at: 2018-07-25 15:08:07

Local clock offset: -0.216 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-25 22:22:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.58 Mbit/s

95th percentile per-packet one-way delay: 141.797 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 139.782 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.50 Mbit/s

95th percentile per-packet one-way delay: 140.511 ms

Loss rate: 0.00%

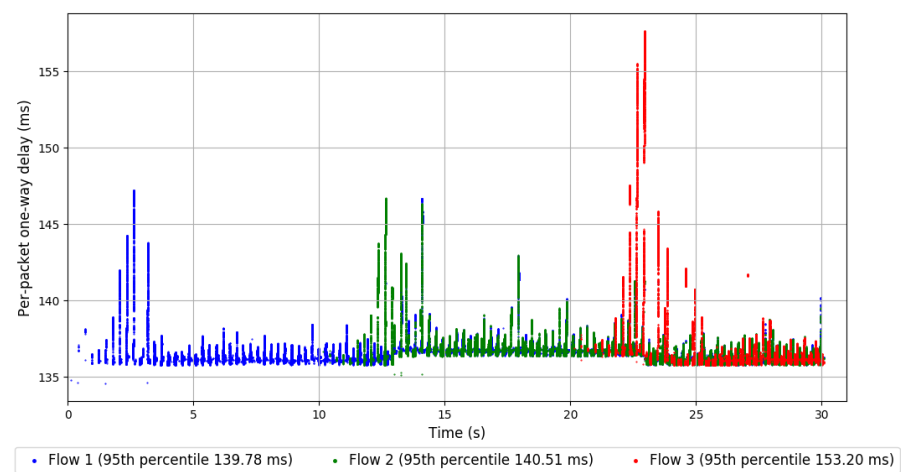
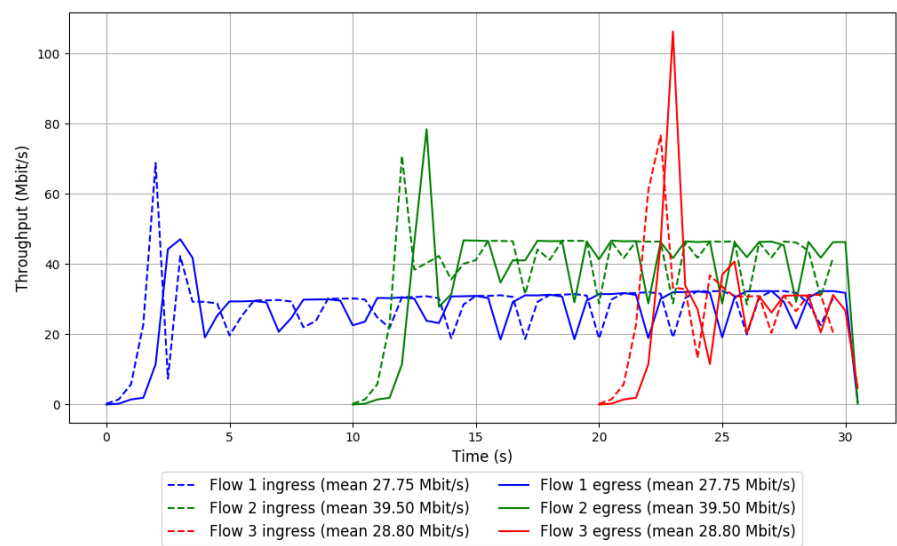
-- Flow 3:

Average throughput: 28.80 Mbit/s

95th percentile per-packet one-way delay: 153.201 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

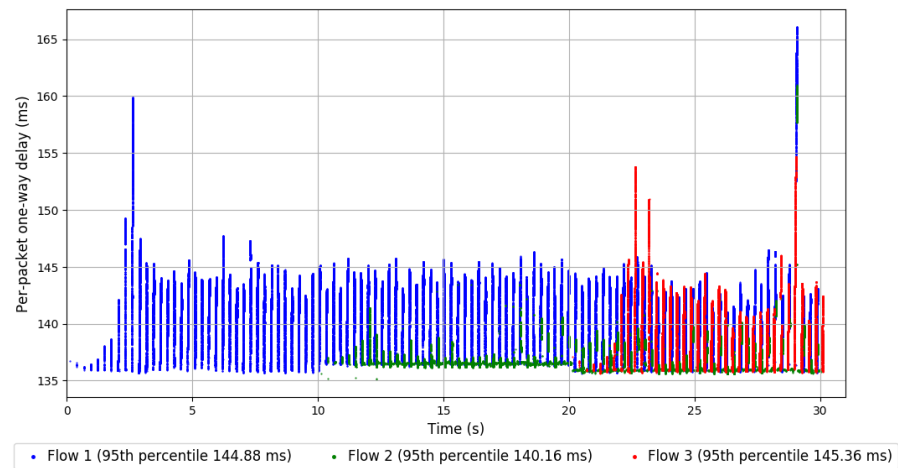
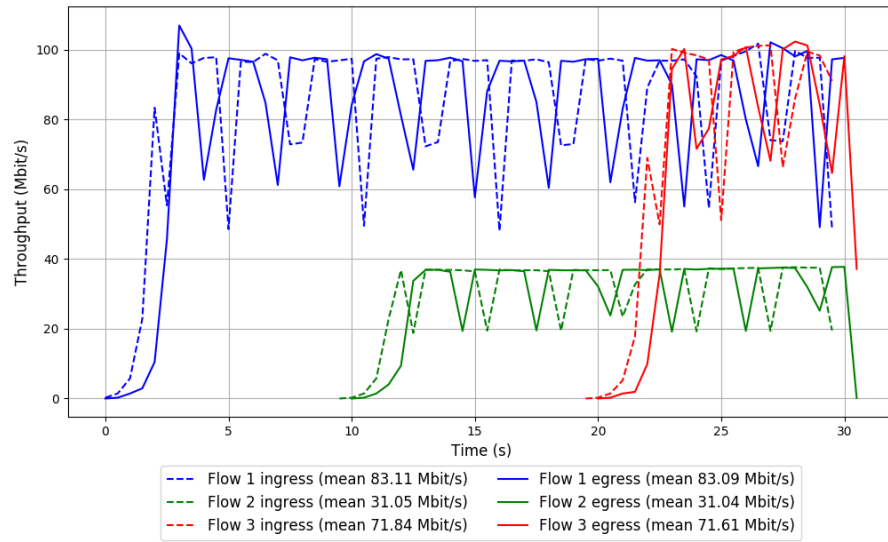


Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 15:34:40
End at: 2018-07-25 15:35:10
Local clock offset: -0.148 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-25 22:22:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.98 Mbit/s
95th percentile per-packet one-way delay: 144.750 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 144.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 140.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.61 Mbit/s
95th percentile per-packet one-way delay: 145.356 ms
Loss rate: 0.32%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 16:01:11

End at: 2018-07-25 16:01:41

Local clock offset: 0.362 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-25 22:22:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.56 Mbit/s

95th percentile per-packet one-way delay: 144.343 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 144.410 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 144.239 ms

Loss rate: 0.00%

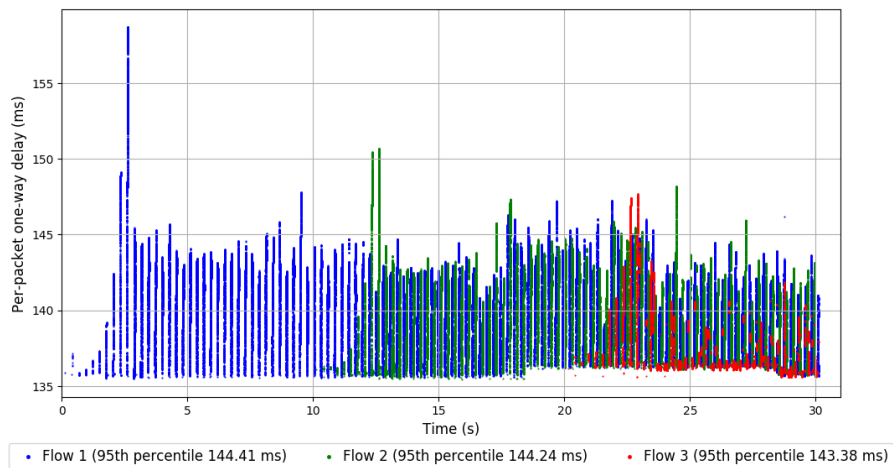
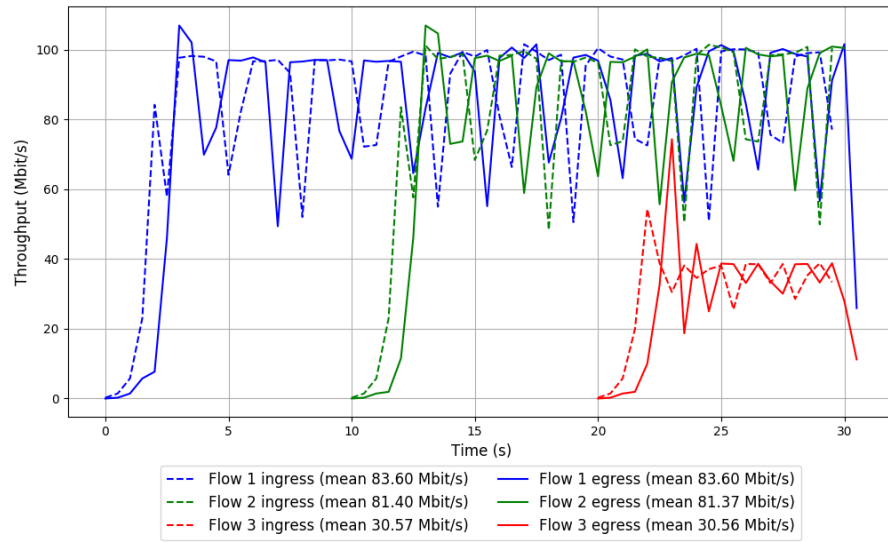
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 143.375 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 16:28:29

End at: 2018-07-25 16:28:59

Local clock offset: 0.47 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-25 22:22:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.75 Mbit/s

95th percentile per-packet one-way delay: 137.568 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.91 Mbit/s

95th percentile per-packet one-way delay: 137.807 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.51 Mbit/s

95th percentile per-packet one-way delay: 137.421 ms

Loss rate: 0.00%

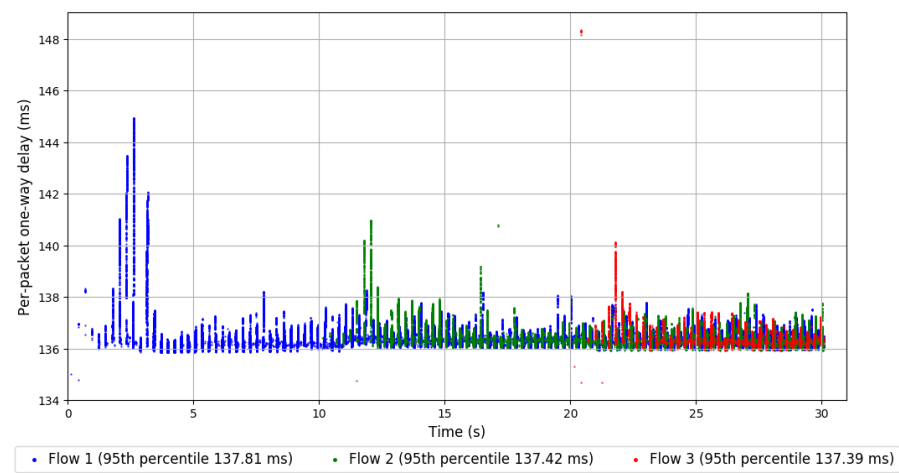
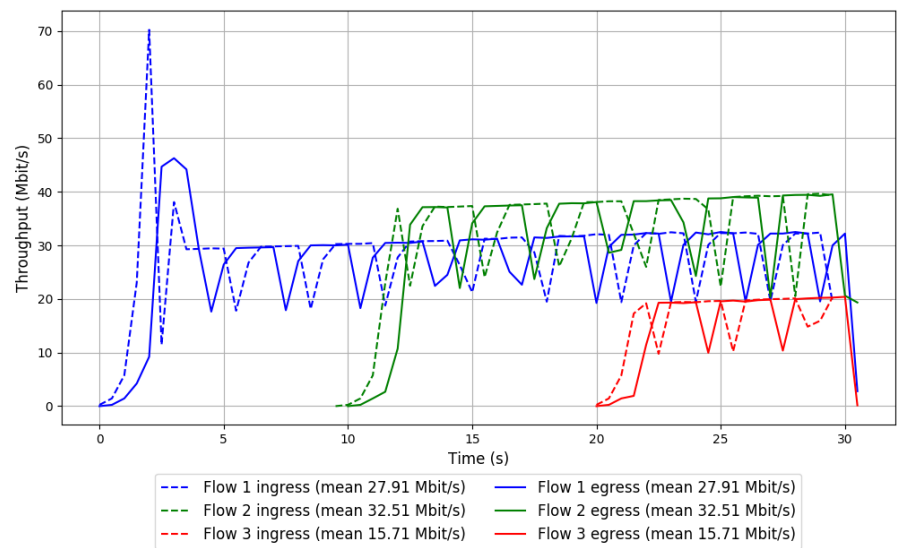
-- Flow 3:

Average throughput: 15.71 Mbit/s

95th percentile per-packet one-way delay: 137.388 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 16:55:24

End at: 2018-07-25 16:55:54

Local clock offset: 0.17 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-25 22:22:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 138.183 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.00 Mbit/s

95th percentile per-packet one-way delay: 137.977 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.40 Mbit/s

95th percentile per-packet one-way delay: 138.118 ms

Loss rate: 0.00%

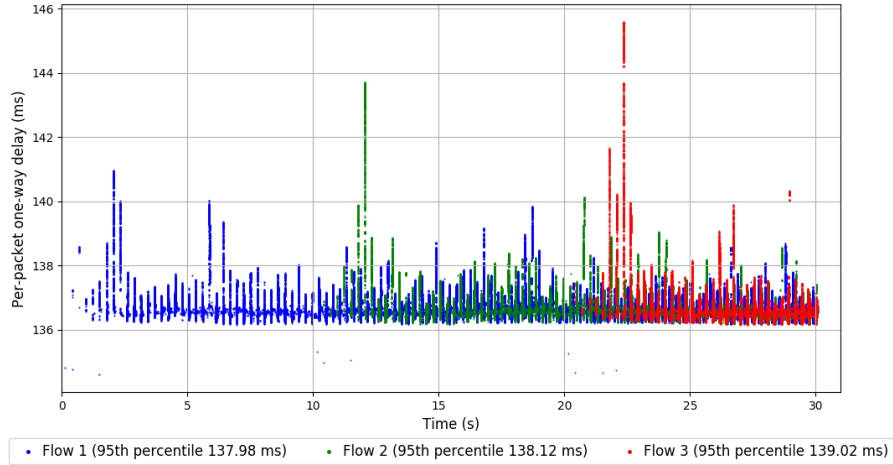
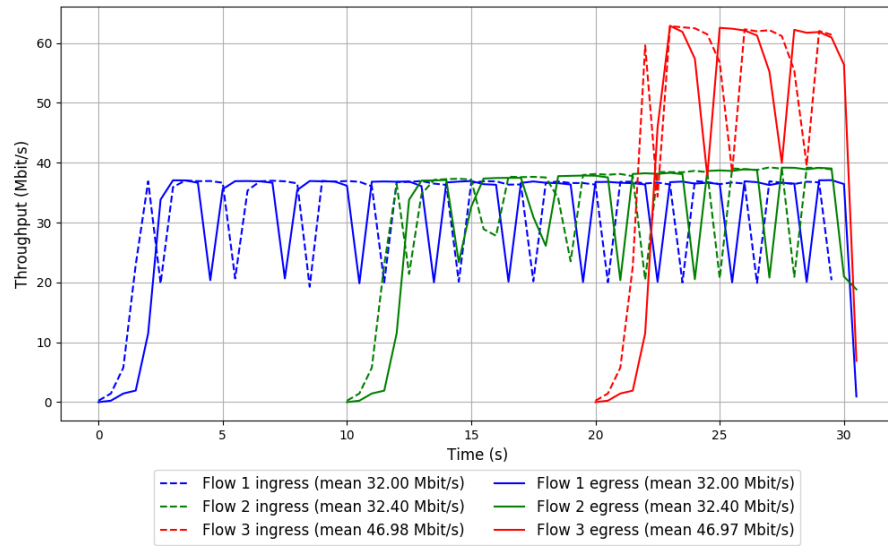
-- Flow 3:

Average throughput: 46.97 Mbit/s

95th percentile per-packet one-way delay: 139.024 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 17:22:26

End at: 2018-07-25 17:22:56

Local clock offset: 0.001 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-07-25 22:22:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.22 Mbit/s

95th percentile per-packet one-way delay: 139.328 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.47 Mbit/s

95th percentile per-packet one-way delay: 140.362 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 138.936 ms

Loss rate: 0.00%

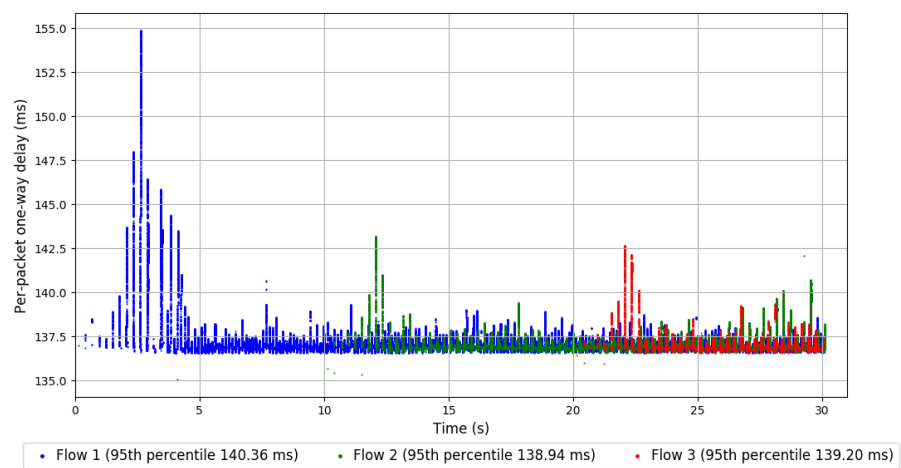
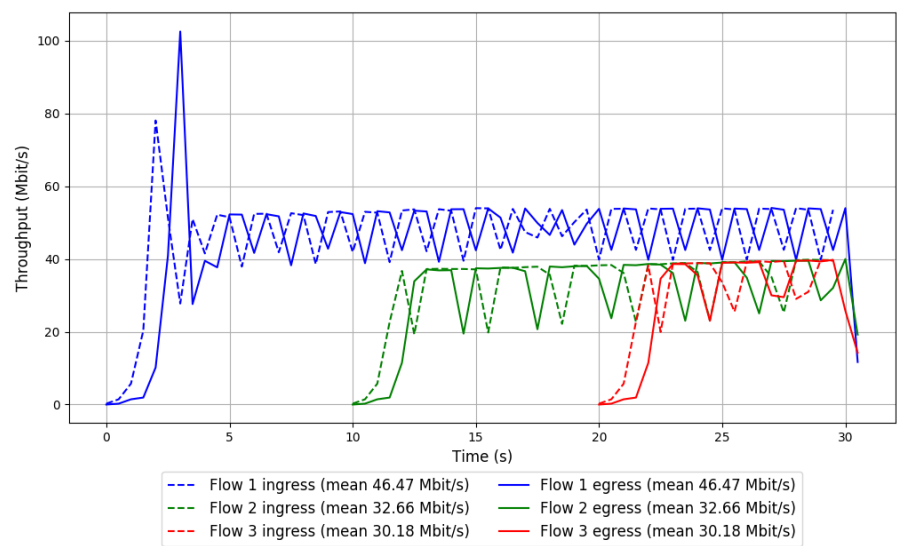
-- Flow 3:

Average throughput: 30.18 Mbit/s

95th percentile per-packet one-way delay: 139.197 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 17:49:52

End at: 2018-07-25 17:50:22

Local clock offset: -0.02 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-25 22:22:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.19 Mbit/s

95th percentile per-packet one-way delay: 138.371 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.43 Mbit/s

95th percentile per-packet one-way delay: 138.183 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.81 Mbit/s

95th percentile per-packet one-way delay: 141.060 ms

Loss rate: 0.00%

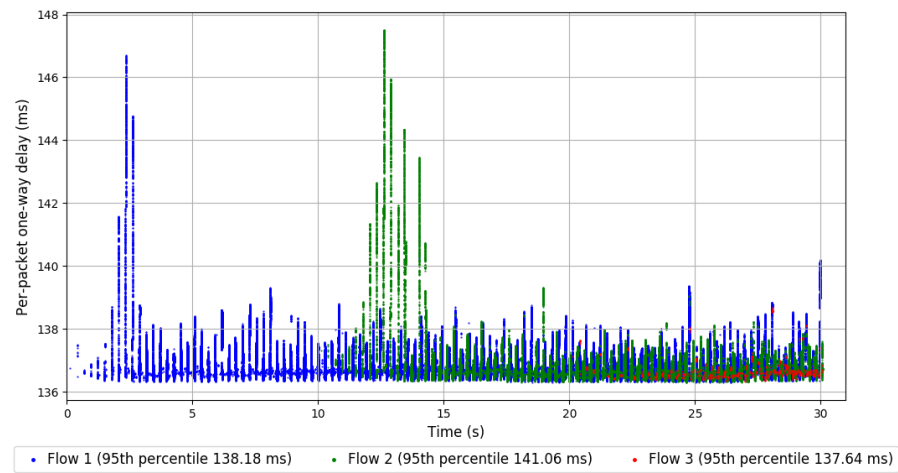
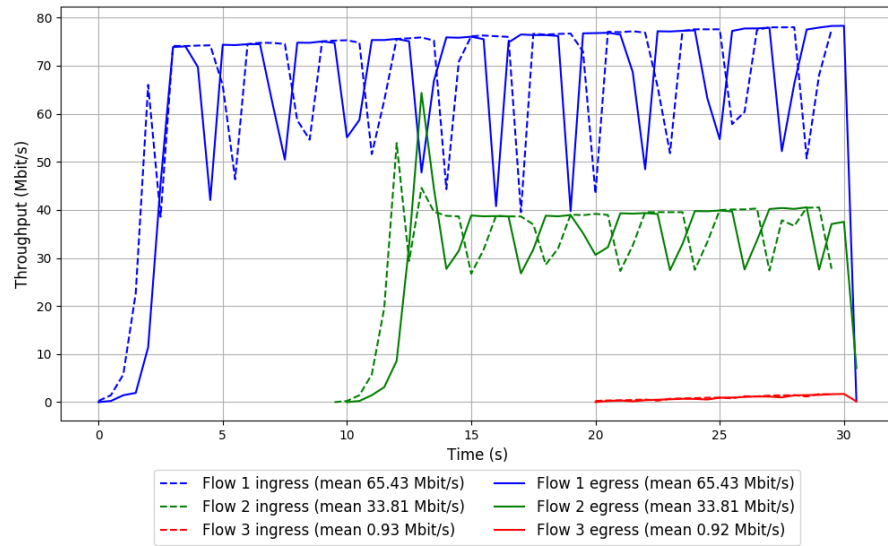
-- Flow 3:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 137.637 ms

Loss rate: 0.13%

Run 7: Report of TCP Vegas — Data Link

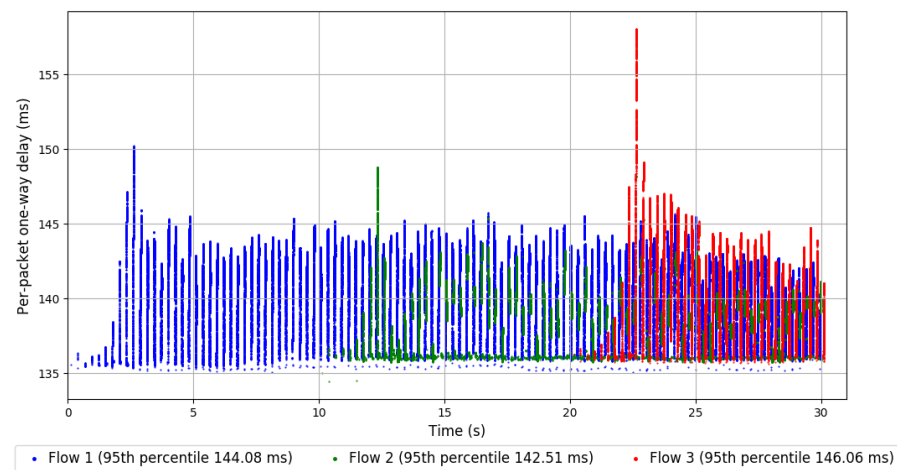
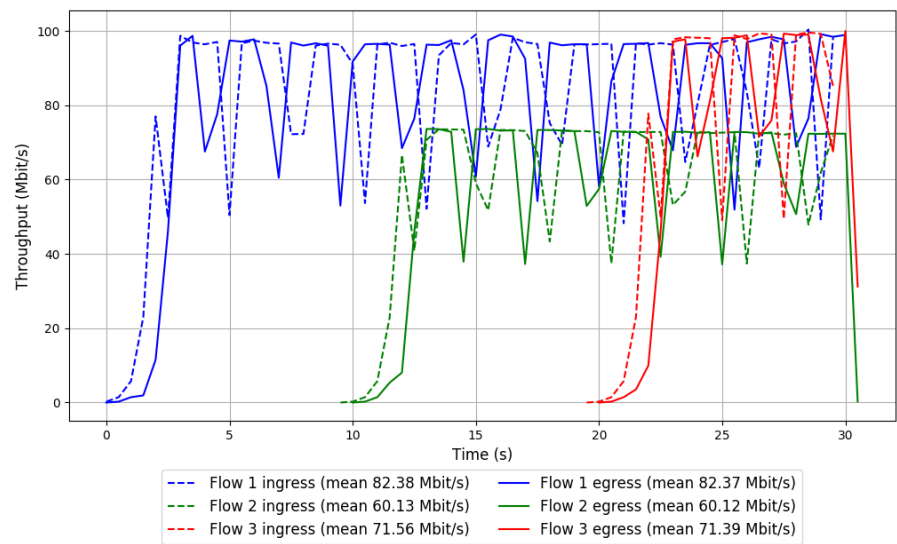


Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 18:16:42
End at: 2018-07-25 18:17:12
Local clock offset: 0.506 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-25 22:22:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.77 Mbit/s
95th percentile per-packet one-way delay: 144.212 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 144.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 142.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.39 Mbit/s
95th percentile per-packet one-way delay: 146.058 ms
Loss rate: 0.24%

Run 8: Report of TCP Vegas — Data Link

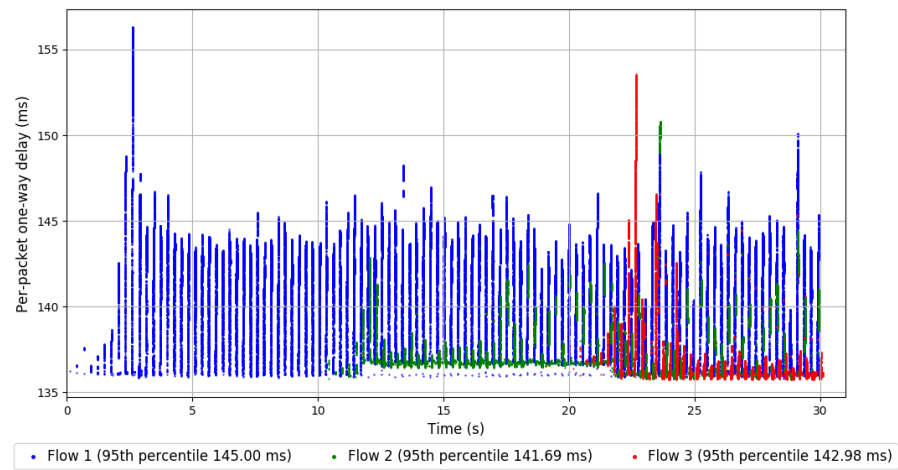
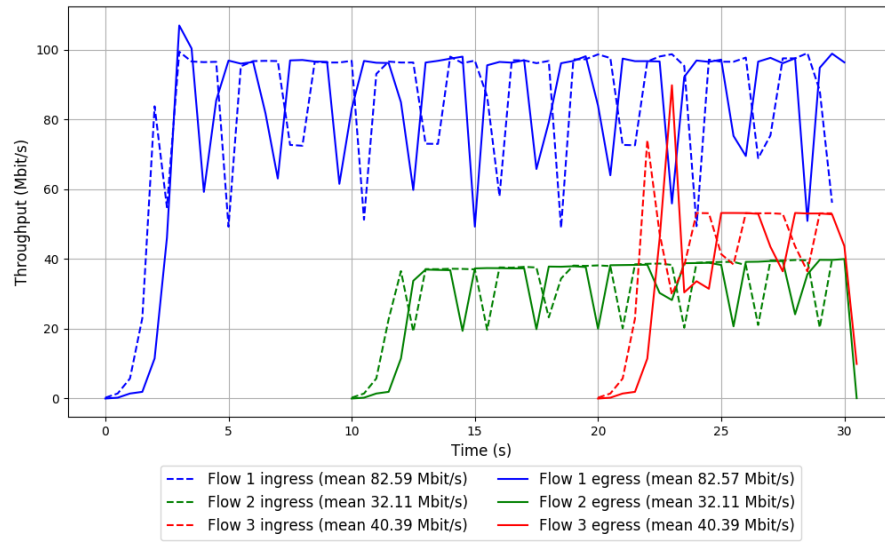


Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 18:43:38
End at: 2018-07-25 18:44:08
Local clock offset: -0.015 ms
Remote clock offset: -0.059 ms

```
# Below is generated by plot.py at 2018-07-25 22:22:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.82 Mbit/s
95th percentile per-packet one-way delay: 144.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 144.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 141.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 142.978 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 19:10:15

End at: 2018-07-25 19:10:45

Local clock offset: 0.235 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2018-07-25 22:22:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.02 Mbit/s

95th percentile per-packet one-way delay: 147.311 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 73.41 Mbit/s

95th percentile per-packet one-way delay: 146.814 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 147.009 ms

Loss rate: 0.00%

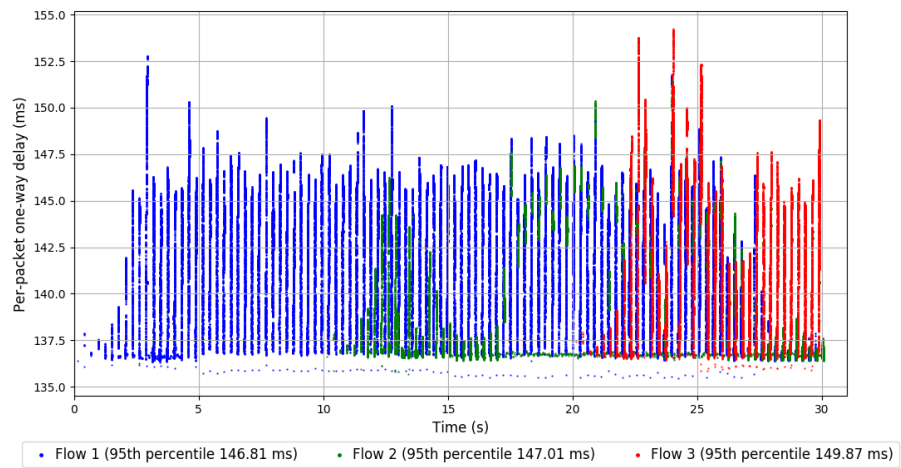
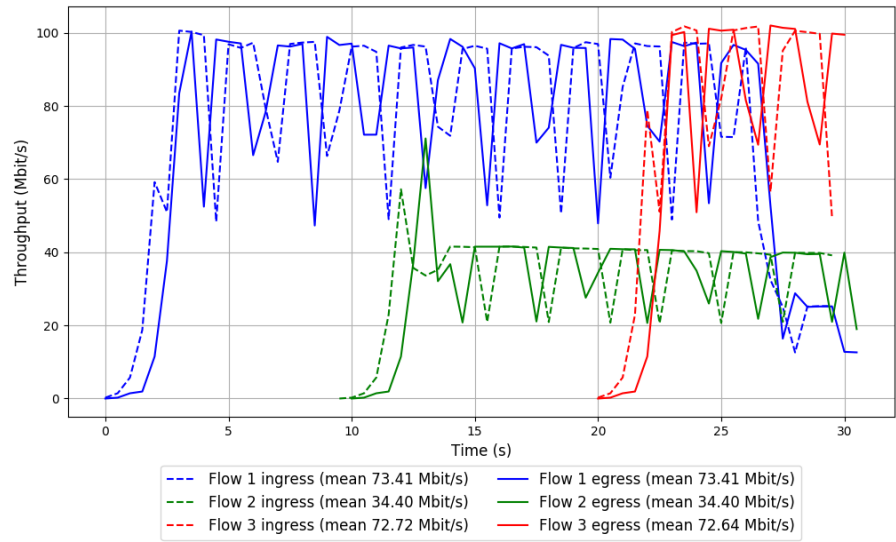
-- Flow 3:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 149.873 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-25 15:01:08

End at: 2018-07-25 15:01:38

Local clock offset: -0.365 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-25 22:23:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.28 Mbit/s

95th percentile per-packet one-way delay: 215.822 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 218.94 Mbit/s

95th percentile per-packet one-way delay: 226.893 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 81.49 Mbit/s

95th percentile per-packet one-way delay: 194.703 ms

Loss rate: 0.57%

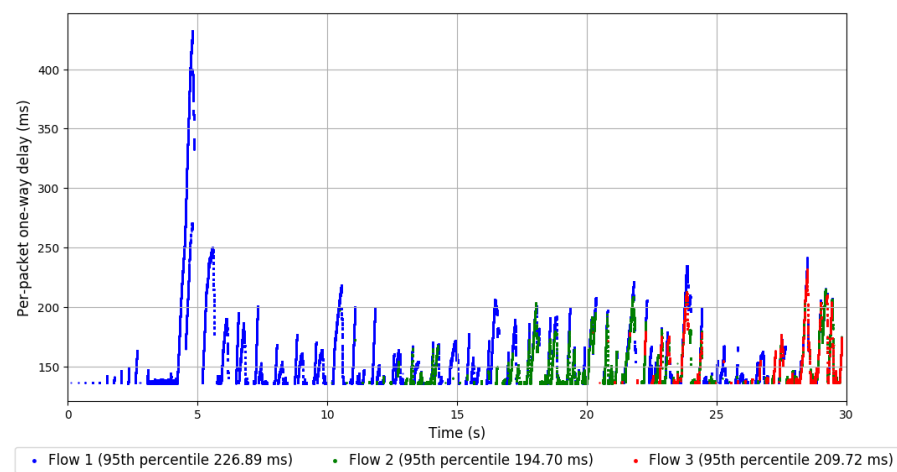
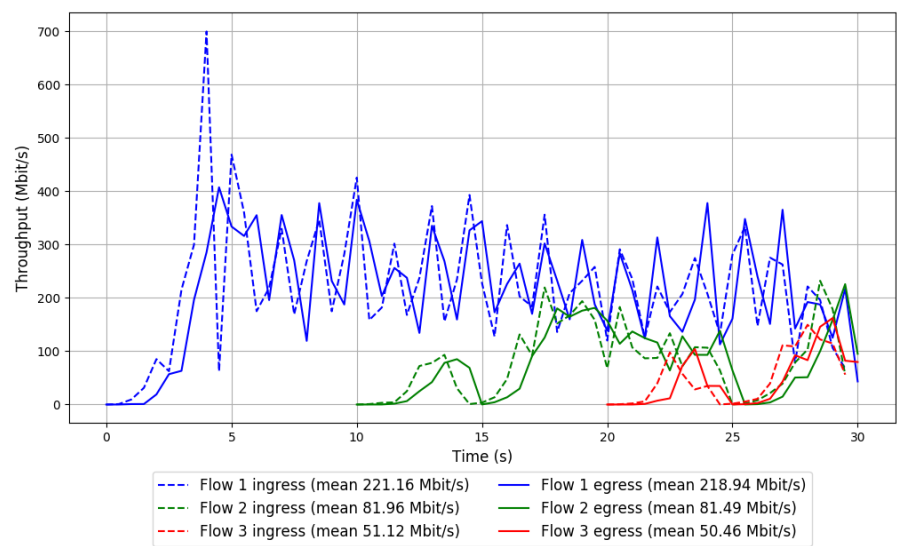
-- Flow 3:

Average throughput: 50.46 Mbit/s

95th percentile per-packet one-way delay: 209.723 ms

Loss rate: 1.71%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-25 15:28:26

End at: 2018-07-25 15:28:56

Local clock offset: 0.067 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-25 22:23:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.11 Mbit/s

95th percentile per-packet one-way delay: 293.458 ms

Loss rate: 3.63%

-- Flow 1:

Average throughput: 182.24 Mbit/s

95th percentile per-packet one-way delay: 252.167 ms

Loss rate: 2.92%

-- Flow 2:

Average throughput: 34.87 Mbit/s

95th percentile per-packet one-way delay: 171.464 ms

Loss rate: 0.21%

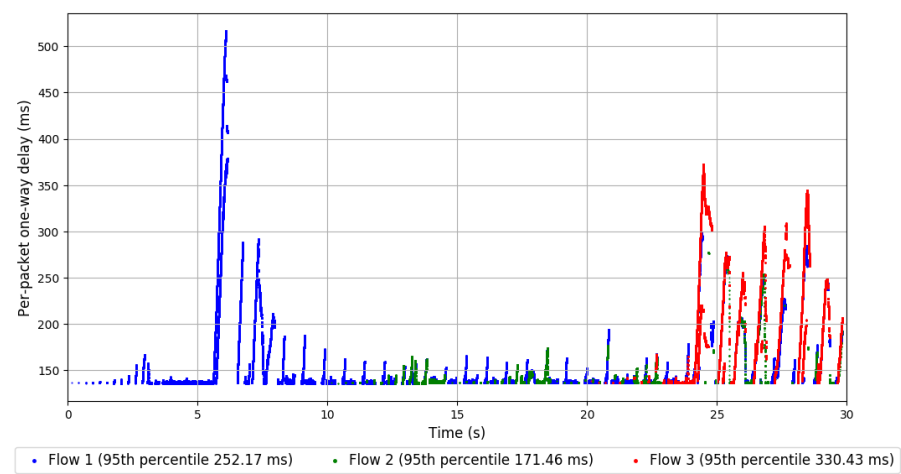
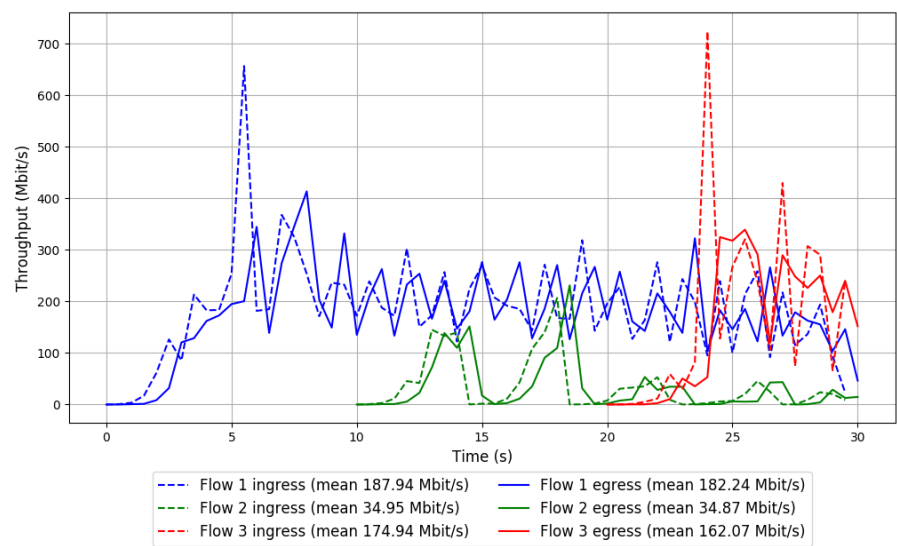
-- Flow 3:

Average throughput: 162.07 Mbit/s

95th percentile per-packet one-way delay: 330.431 ms

Loss rate: 7.36%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-25 15:55:01

End at: 2018-07-25 15:55:31

Local clock offset: -0.151 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-07-25 22:23:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 205.52 Mbit/s

95th percentile per-packet one-way delay: 179.020 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 134.05 Mbit/s

95th percentile per-packet one-way delay: 176.787 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 64.98 Mbit/s

95th percentile per-packet one-way delay: 164.284 ms

Loss rate: 0.00%

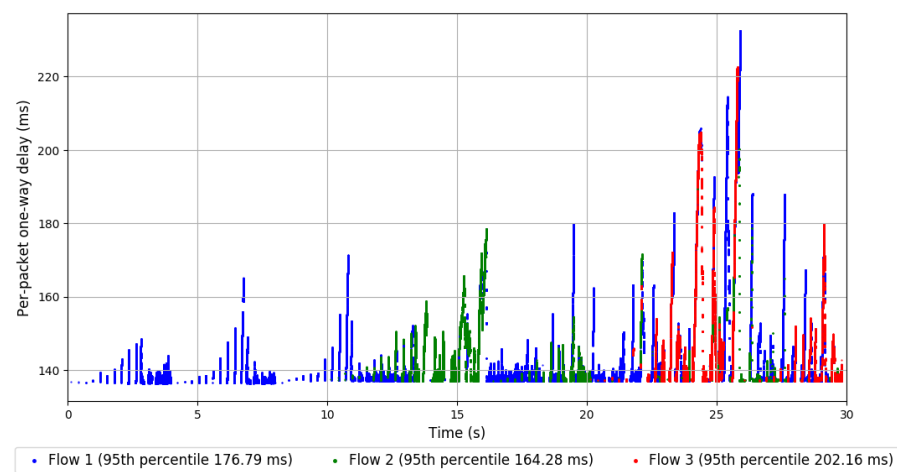
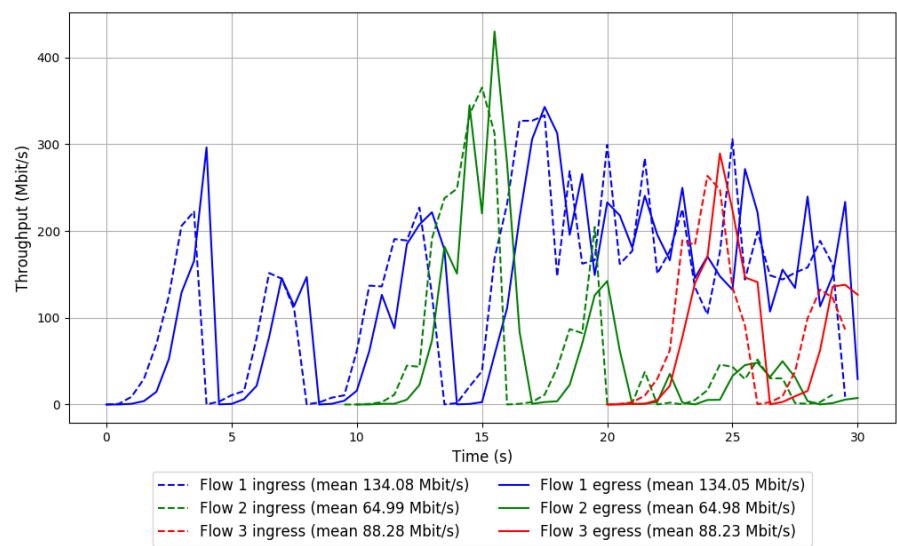
-- Flow 3:

Average throughput: 88.23 Mbit/s

95th percentile per-packet one-way delay: 202.164 ms

Loss rate: 0.04%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-25 16:22:08

End at: 2018-07-25 16:22:38

Local clock offset: 0.185 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-07-25 22:25:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.83 Mbit/s

95th percentile per-packet one-way delay: 290.435 ms

Loss rate: 2.47%

-- Flow 1:

Average throughput: 162.35 Mbit/s

95th percentile per-packet one-way delay: 250.278 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 184.20 Mbit/s

95th percentile per-packet one-way delay: 329.427 ms

Loss rate: 4.01%

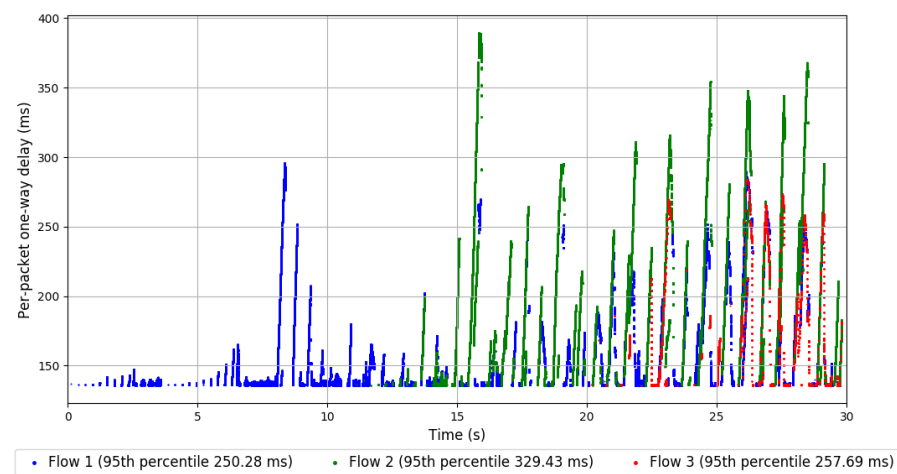
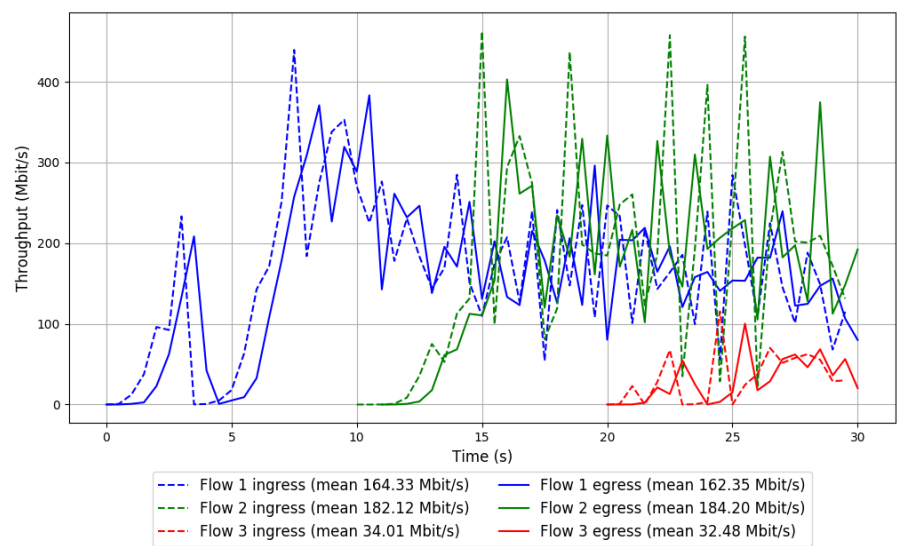
-- Flow 3:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 257.688 ms

Loss rate: 4.44%

Run 4: Report of Verus — Data Link

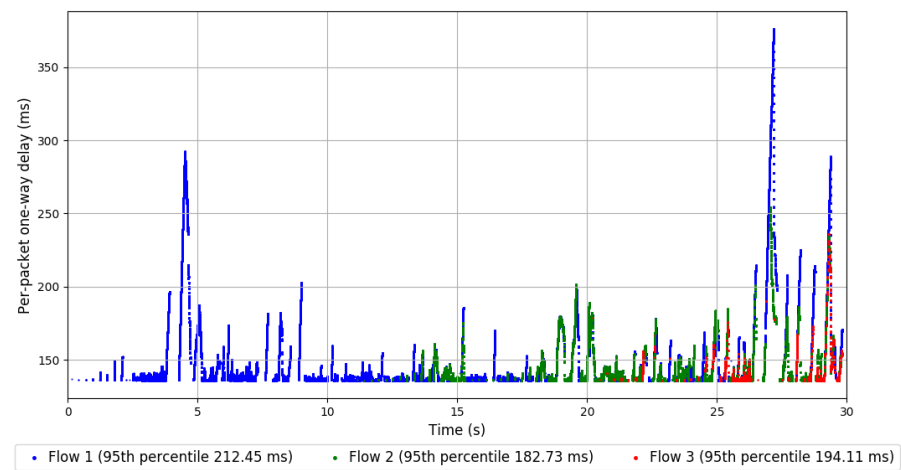
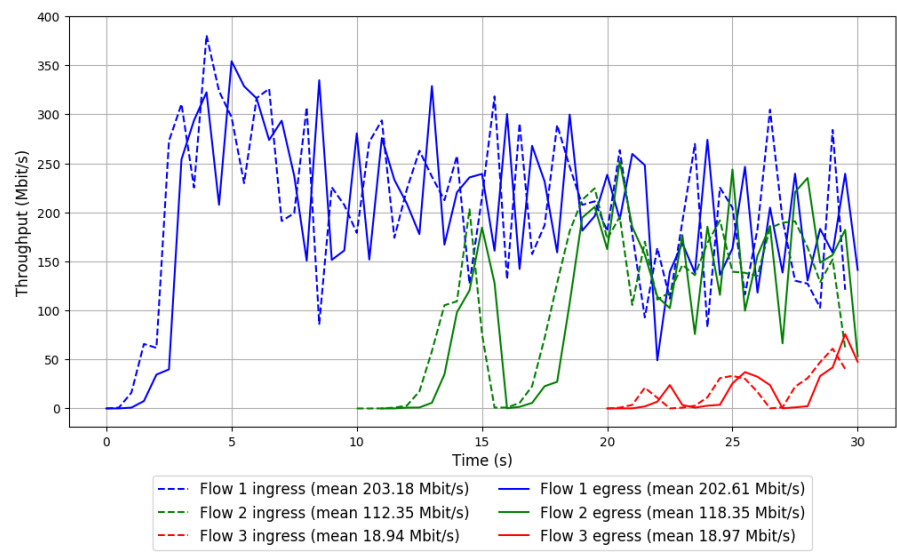


Run 5: Statistics of Verus

Start at: 2018-07-25 16:49:02
End at: 2018-07-25 16:49:32
Local clock offset: 0.163 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-07-25 22:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.09 Mbit/s
95th percentile per-packet one-way delay: 206.380 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 202.61 Mbit/s
95th percentile per-packet one-way delay: 212.453 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 118.35 Mbit/s
95th percentile per-packet one-way delay: 182.734 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 18.97 Mbit/s
95th percentile per-packet one-way delay: 194.111 ms
Loss rate: 0.26%

Run 5: Report of Verus — Data Link

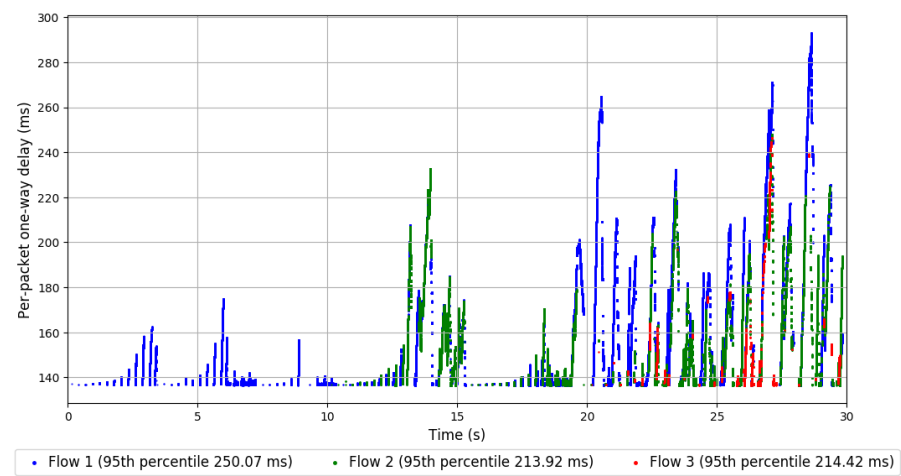
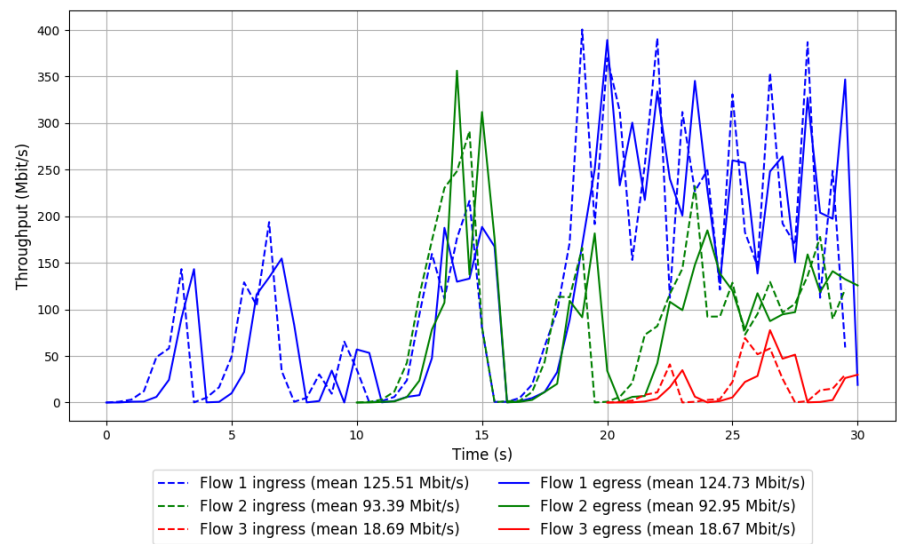


Run 6: Statistics of Verus

Start at: 2018-07-25 17:16:05
End at: 2018-07-25 17:16:36
Local clock offset: -0.307 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-25 22:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.34 Mbit/s
95th percentile per-packet one-way delay: 235.217 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 124.73 Mbit/s
95th percentile per-packet one-way delay: 250.068 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 213.923 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 214.420 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-25 17:43:24

End at: 2018-07-25 17:43:54

Local clock offset: 0.004 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-25 22:26:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.17 Mbit/s

95th percentile per-packet one-way delay: 333.403 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 242.25 Mbit/s

95th percentile per-packet one-way delay: 338.171 ms

Loss rate: 1.88%

-- Flow 2:

Average throughput: 38.98 Mbit/s

95th percentile per-packet one-way delay: 248.998 ms

Loss rate: 0.93%

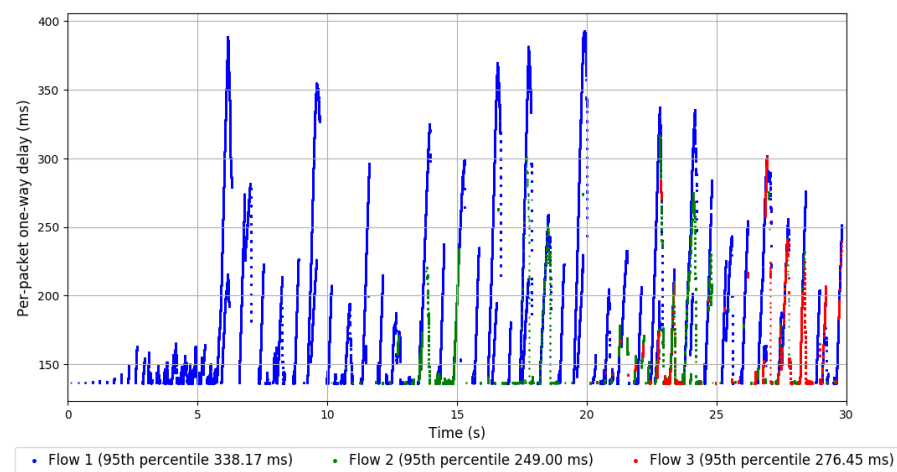
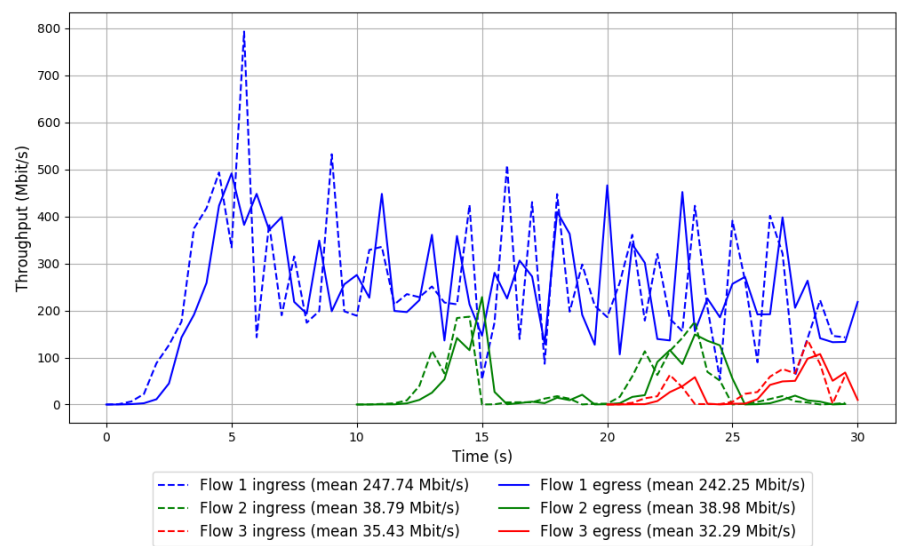
-- Flow 3:

Average throughput: 32.29 Mbit/s

95th percentile per-packet one-way delay: 276.450 ms

Loss rate: 8.37%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-25 18:10:36

End at: 2018-07-25 18:11:06

Local clock offset: 0.06 ms

Remote clock offset: 0.382 ms

Below is generated by plot.py at 2018-07-25 22:29:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 285.16 Mbit/s

95th percentile per-packet one-way delay: 255.805 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 223.44 Mbit/s

95th percentile per-packet one-way delay: 261.627 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 65.55 Mbit/s

95th percentile per-packet one-way delay: 218.947 ms

Loss rate: 0.64%

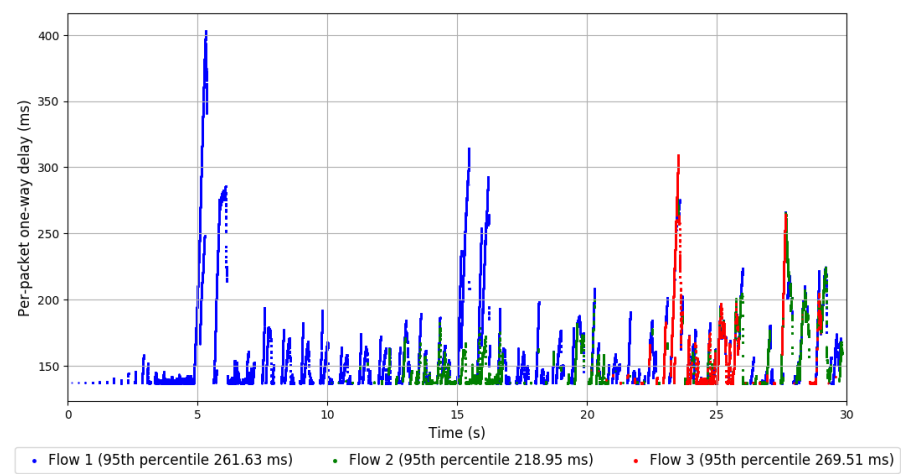
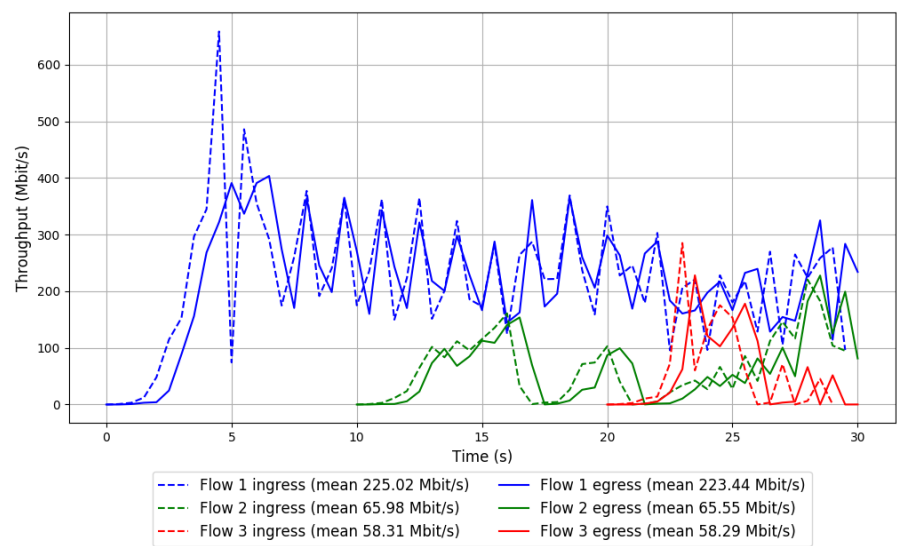
-- Flow 3:

Average throughput: 58.29 Mbit/s

95th percentile per-packet one-way delay: 269.506 ms

Loss rate: 0.08%

Run 8: Report of Verus — Data Link

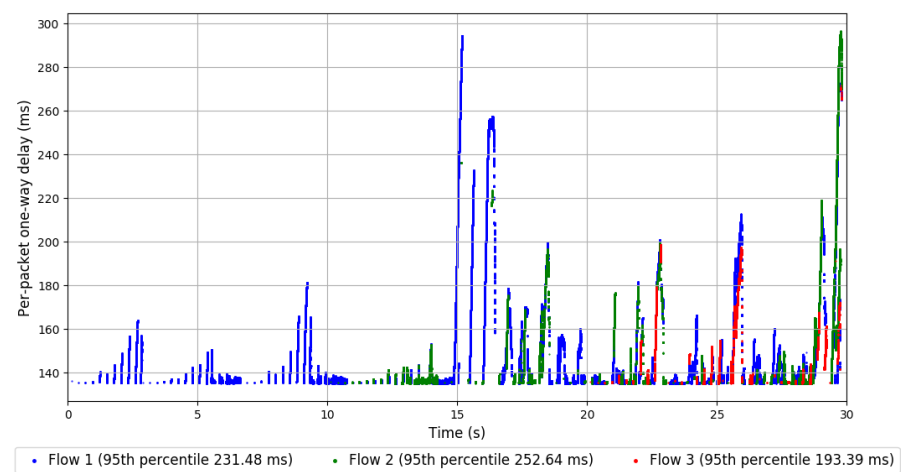
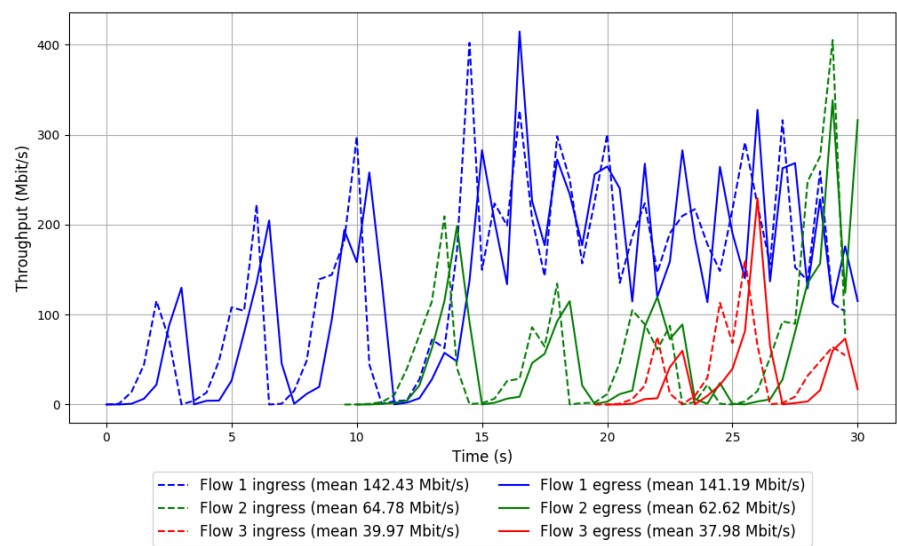


Run 9: Statistics of Verus

Start at: 2018-07-25 18:37:27
End at: 2018-07-25 18:37:57
Local clock offset: 0.126 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-25 22:29:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.07 Mbit/s
95th percentile per-packet one-way delay: 230.026 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 141.19 Mbit/s
95th percentile per-packet one-way delay: 231.484 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 62.62 Mbit/s
95th percentile per-packet one-way delay: 252.636 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 193.390 ms
Loss rate: 4.89%

Run 9: Report of Verus — Data Link

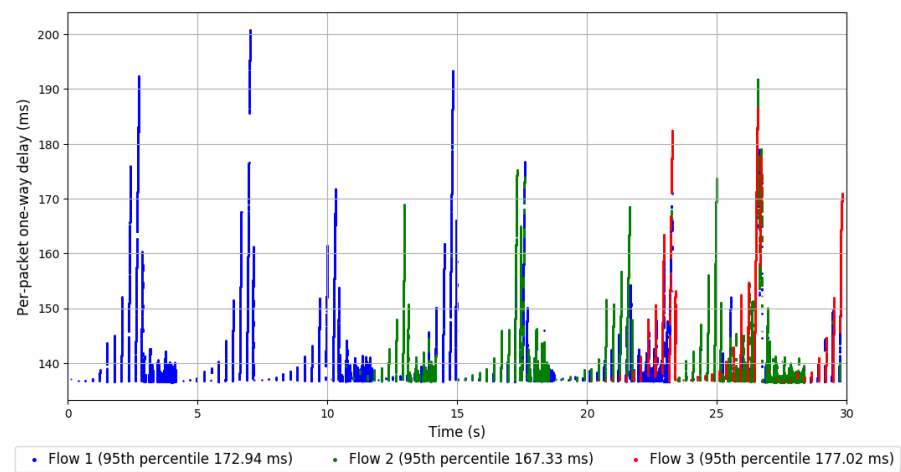
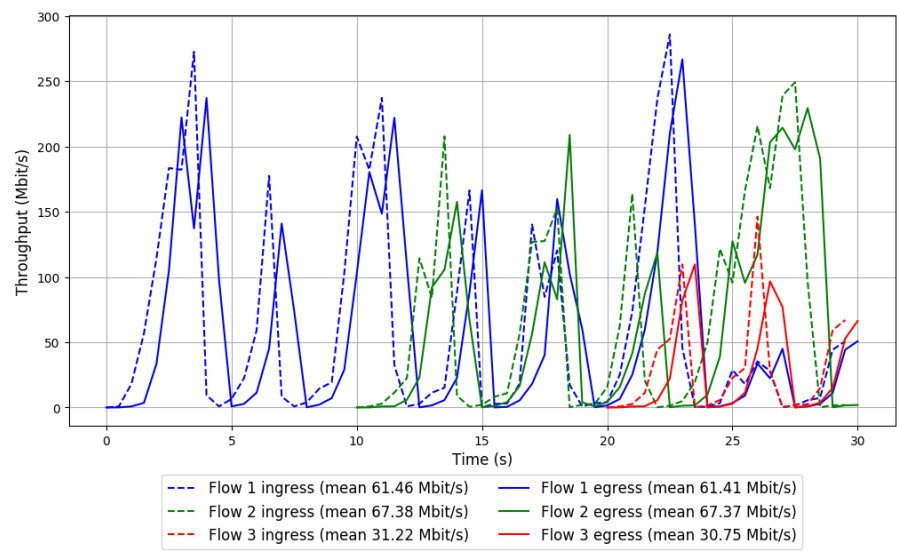


Run 10: Statistics of Verus

Start at: 2018-07-25 19:04:13
End at: 2018-07-25 19:04:43
Local clock offset: -0.231 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-25 22:29:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.77 Mbit/s
95th percentile per-packet one-way delay: 171.860 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 172.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 167.333 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 177.019 ms
Loss rate: 1.19%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 15:14:43

End at: 2018-07-25 15:15:13

Local clock offset: -0.466 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-25 22:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.07 Mbit/s

95th percentile per-packet one-way delay: 137.171 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 261.95 Mbit/s

95th percentile per-packet one-way delay: 136.943 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 178.46 Mbit/s

95th percentile per-packet one-way delay: 137.474 ms

Loss rate: 0.00%

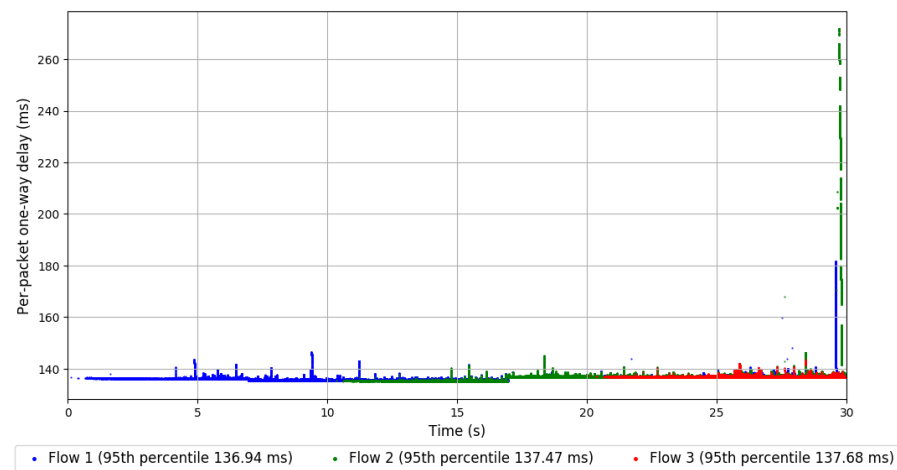
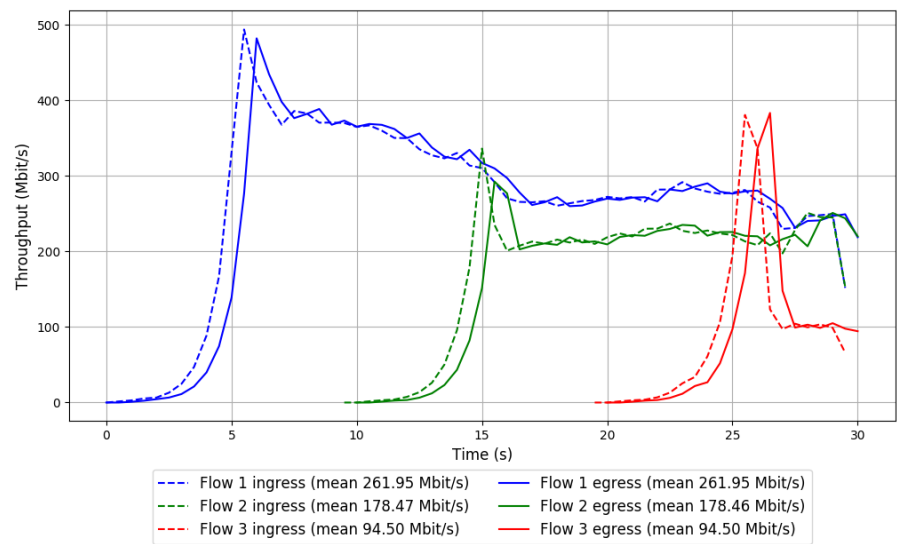
-- Flow 3:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 137.678 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 15:41:31

End at: 2018-07-25 15:42:01

Local clock offset: -0.222 ms

Remote clock offset: 0.322 ms

Below is generated by plot.py at 2018-07-25 22:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.20 Mbit/s

95th percentile per-packet one-way delay: 137.147 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 144.98 Mbit/s

95th percentile per-packet one-way delay: 136.378 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 179.57 Mbit/s

95th percentile per-packet one-way delay: 136.553 ms

Loss rate: 0.00%

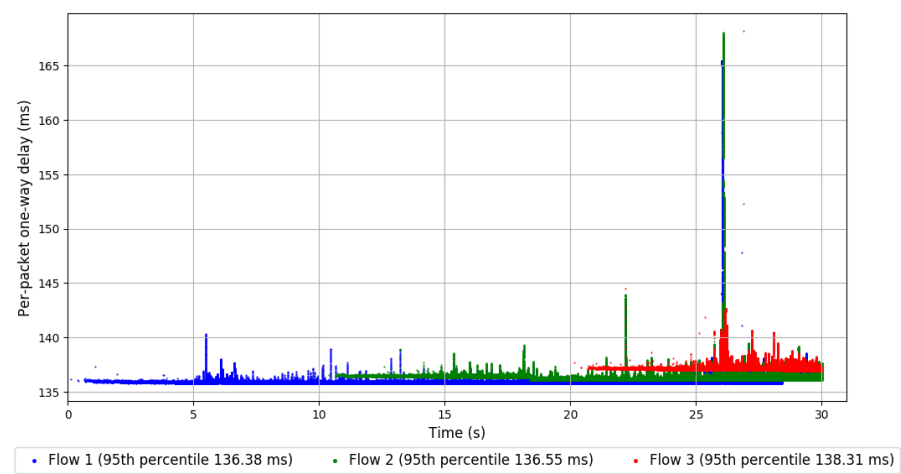
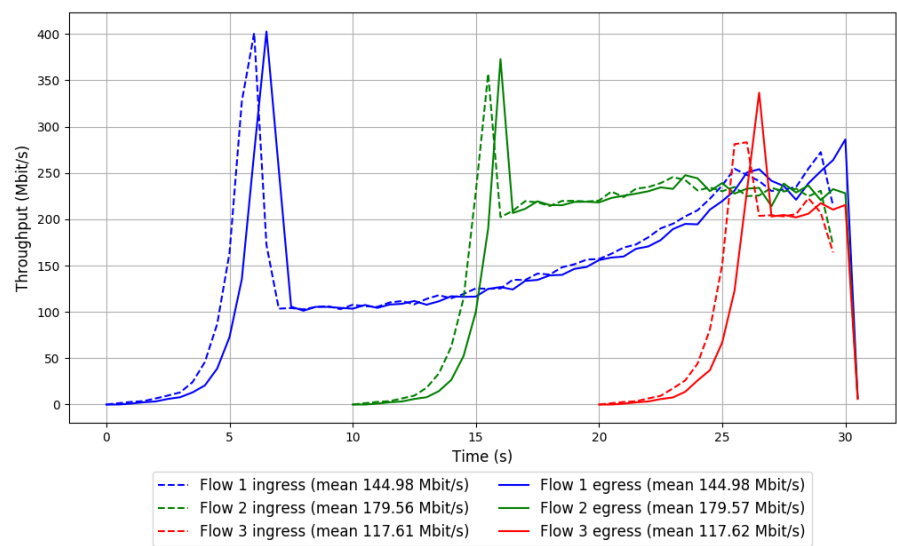
-- Flow 3:

Average throughput: 117.62 Mbit/s

95th percentile per-packet one-way delay: 138.305 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 16:08:22

End at: 2018-07-25 16:08:52

Local clock offset: 0.086 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-25 22:35:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 474.19 Mbit/s

95th percentile per-packet one-way delay: 138.268 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 285.62 Mbit/s

95th percentile per-packet one-way delay: 137.857 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 203.53 Mbit/s

95th percentile per-packet one-way delay: 137.179 ms

Loss rate: 0.00%

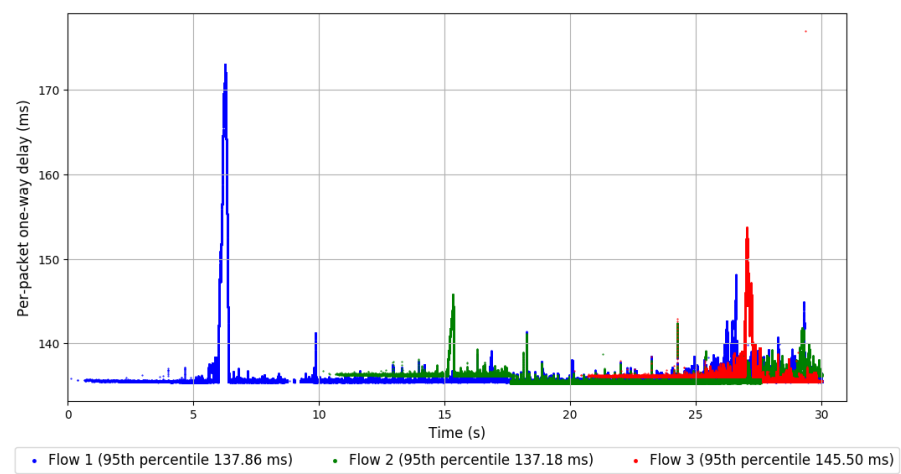
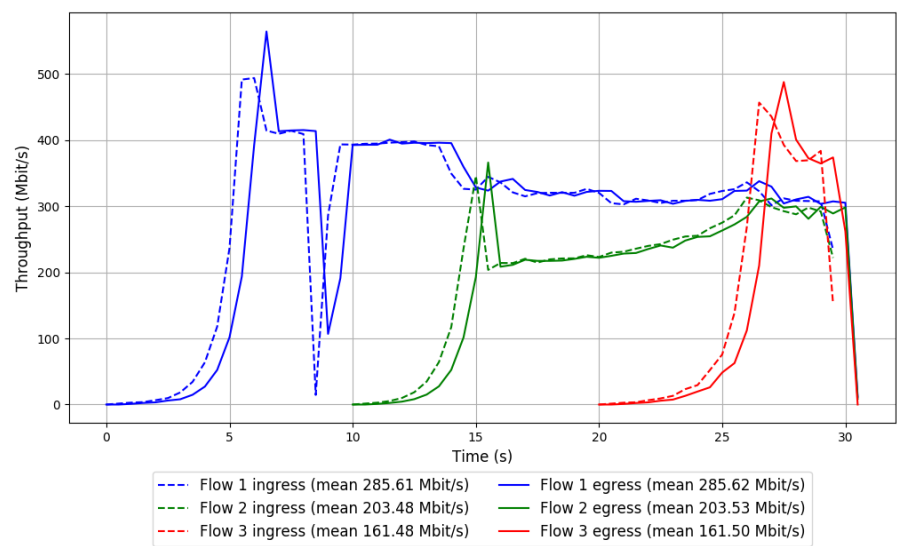
-- Flow 3:

Average throughput: 161.50 Mbit/s

95th percentile per-packet one-way delay: 145.503 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 16:35:31

End at: 2018-07-25 16:36:01

Local clock offset: 0.103 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-25 22:35:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.67 Mbit/s

95th percentile per-packet one-way delay: 136.759 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 275.97 Mbit/s

95th percentile per-packet one-way delay: 136.785 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 174.93 Mbit/s

95th percentile per-packet one-way delay: 136.811 ms

Loss rate: 0.00%

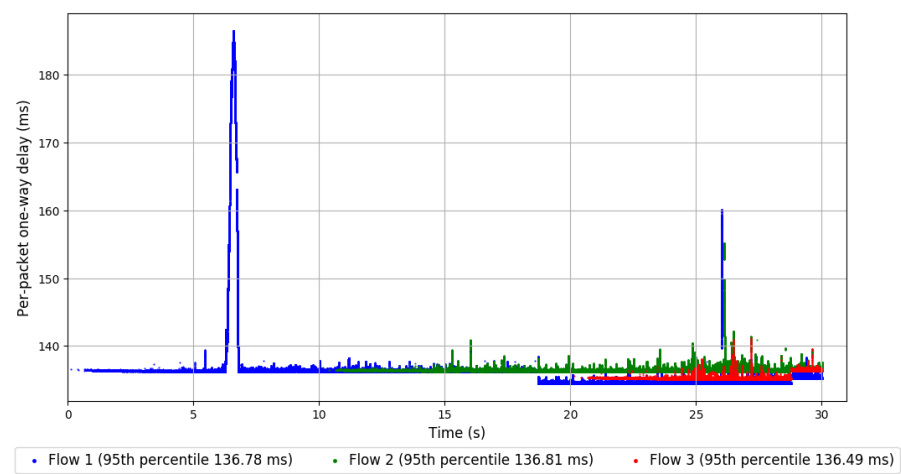
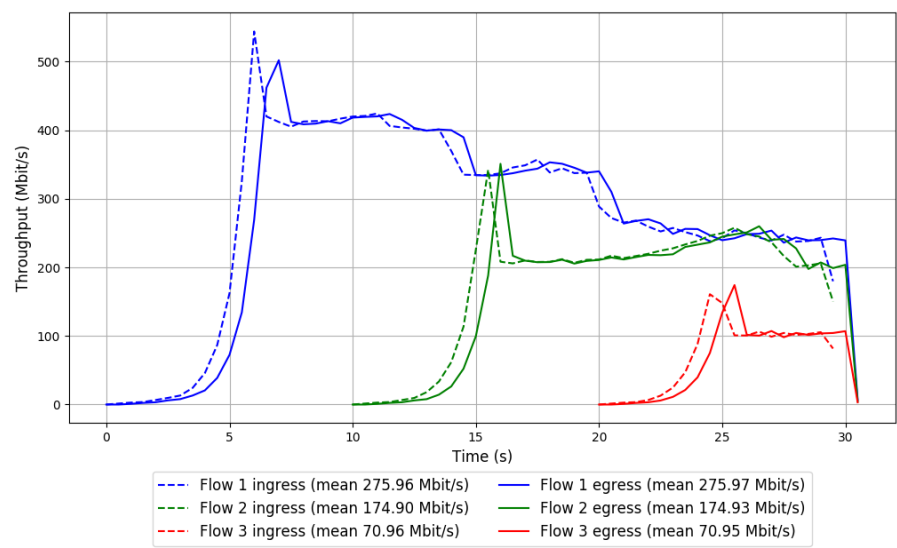
-- Flow 3:

Average throughput: 70.95 Mbit/s

95th percentile per-packet one-way delay: 136.486 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

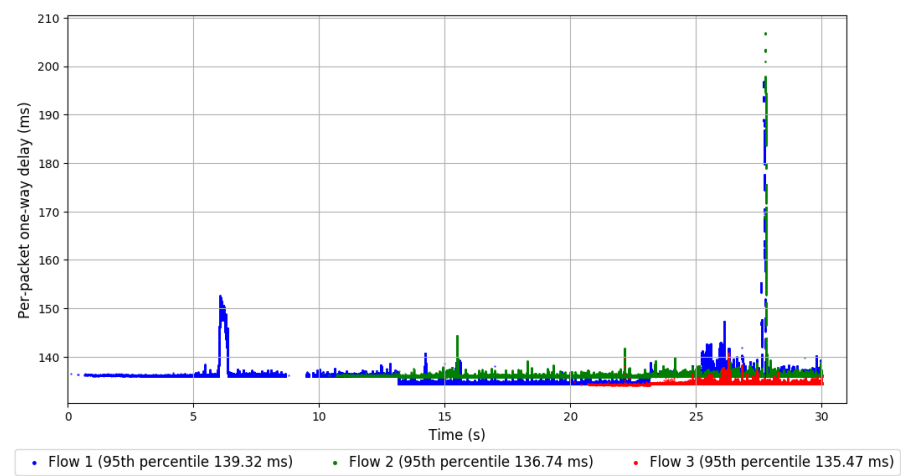
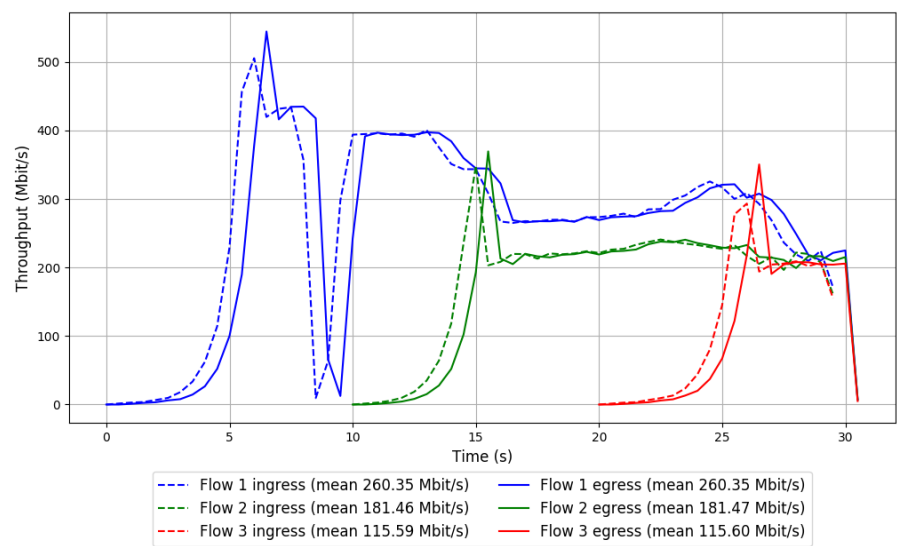


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 17:02:17
End at: 2018-07-25 17:02:47
Local clock offset: 0.043 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-07-25 22:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 419.14 Mbit/s
95th percentile per-packet one-way delay: 137.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 260.35 Mbit/s
95th percentile per-packet one-way delay: 139.325 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.47 Mbit/s
95th percentile per-packet one-way delay: 136.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.60 Mbit/s
95th percentile per-packet one-way delay: 135.465 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

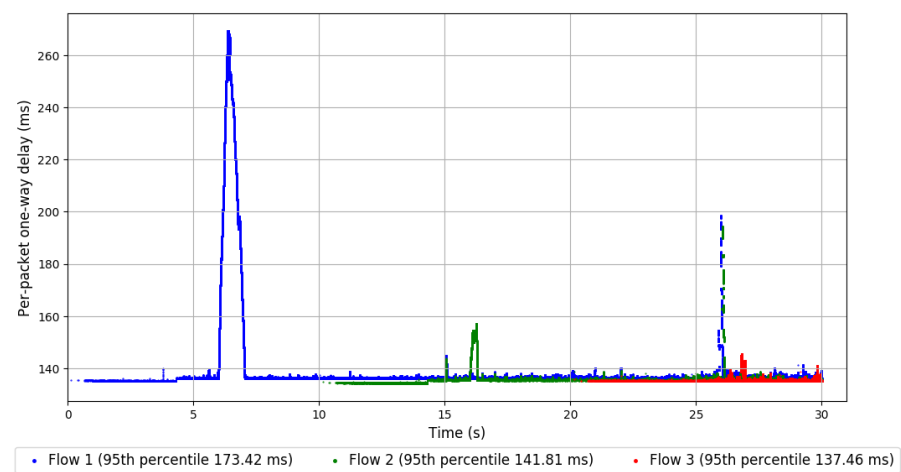
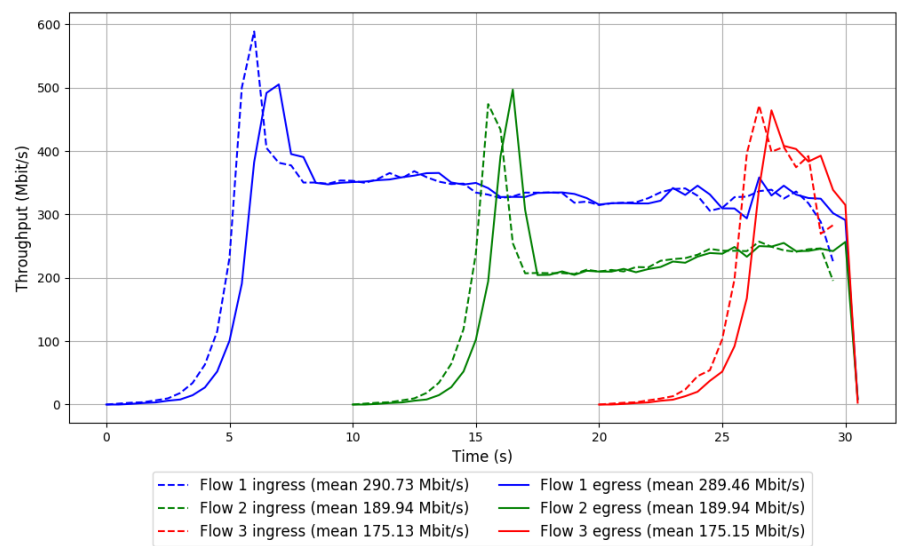


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 17:29:25
End at: 2018-07-25 17:29:55
Local clock offset: -0.198 ms
Remote clock offset: -0.359 ms

```
# Below is generated by plot.py at 2018-07-25 22:36:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.54 Mbit/s
95th percentile per-packet one-way delay: 144.517 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 289.46 Mbit/s
95th percentile per-packet one-way delay: 173.424 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 189.94 Mbit/s
95th percentile per-packet one-way delay: 141.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.15 Mbit/s
95th percentile per-packet one-way delay: 137.456 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 17:57:00

End at: 2018-07-25 17:57:30

Local clock offset: -0.015 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-07-25 22:36:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.97 Mbit/s

95th percentile per-packet one-way delay: 138.339 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 205.44 Mbit/s

95th percentile per-packet one-way delay: 151.410 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.42 Mbit/s

95th percentile per-packet one-way delay: 137.083 ms

Loss rate: 0.00%

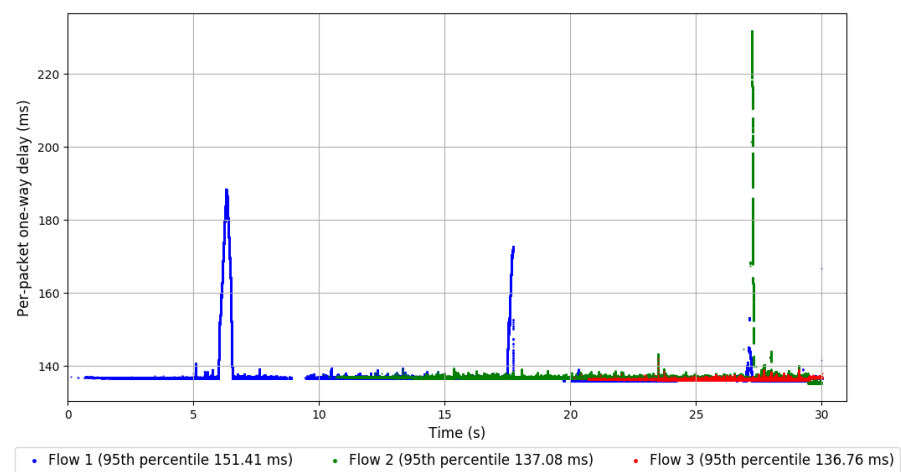
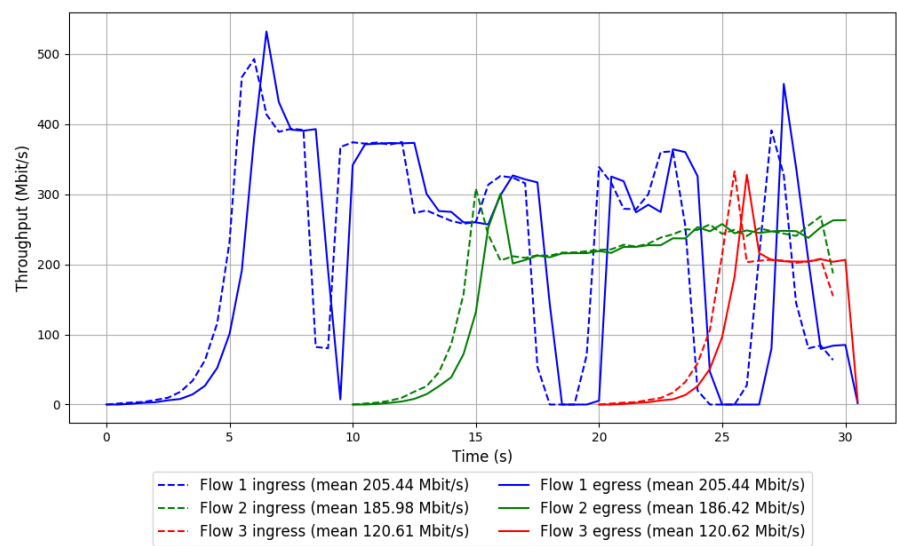
-- Flow 3:

Average throughput: 120.62 Mbit/s

95th percentile per-packet one-way delay: 136.756 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

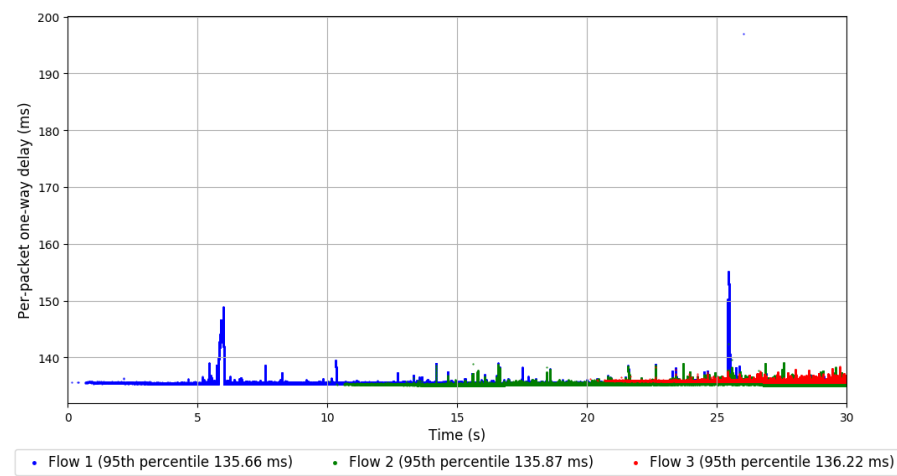
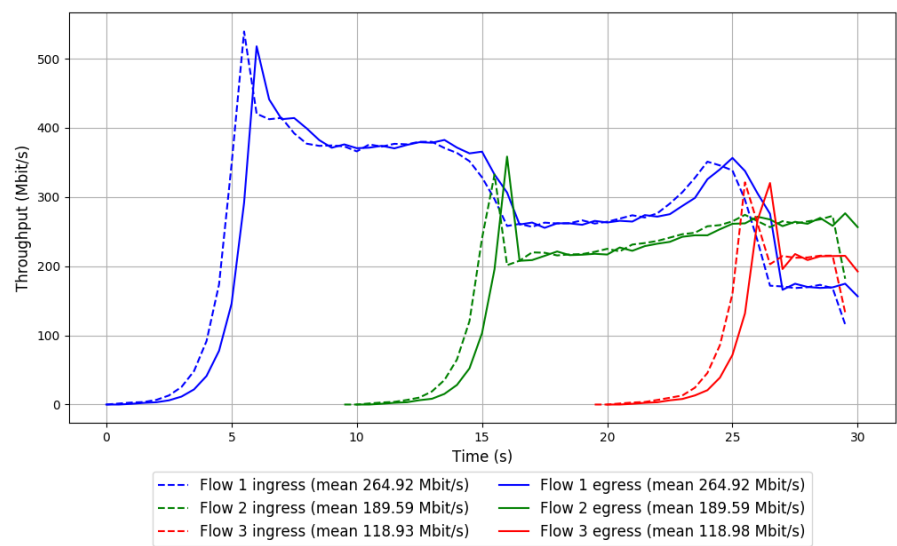


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 18:23:53
End at: 2018-07-25 18:24:23
Local clock offset: 0.096 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-07-25 22:37:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.44 Mbit/s
95th percentile per-packet one-way delay: 135.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 264.92 Mbit/s
95th percentile per-packet one-way delay: 135.661 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 189.59 Mbit/s
95th percentile per-packet one-way delay: 135.872 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.98 Mbit/s
95th percentile per-packet one-way delay: 136.220 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

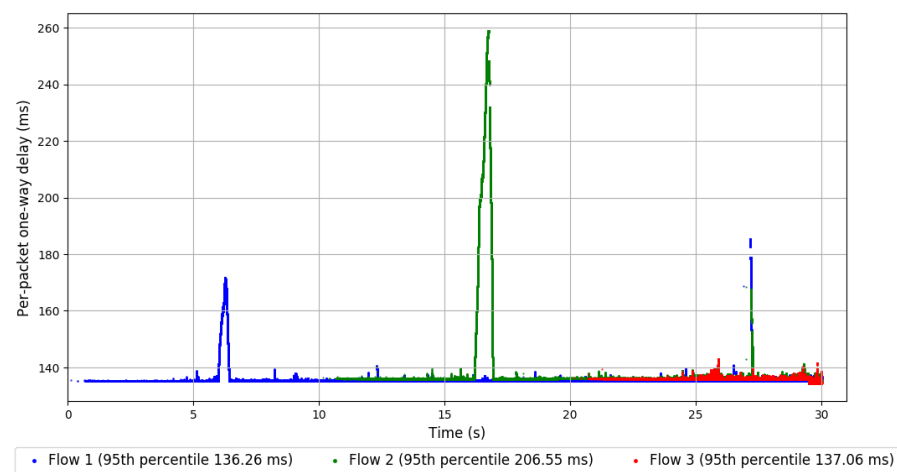
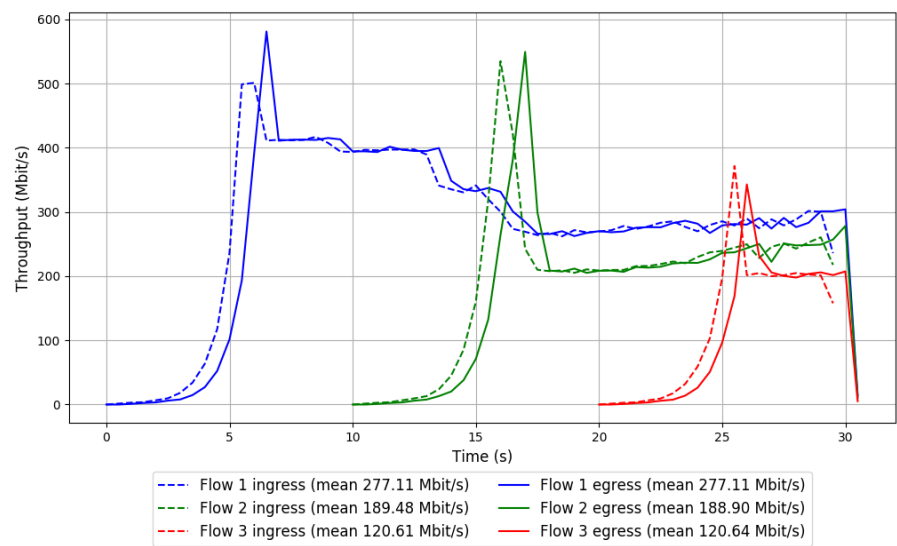


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 18:50:40
End at: 2018-07-25 18:51:10
Local clock offset: 0.427 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-25 22:37:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.52 Mbit/s
95th percentile per-packet one-way delay: 139.383 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 277.11 Mbit/s
95th percentile per-packet one-way delay: 136.259 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.90 Mbit/s
95th percentile per-packet one-way delay: 206.552 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 120.64 Mbit/s
95th percentile per-packet one-way delay: 137.062 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

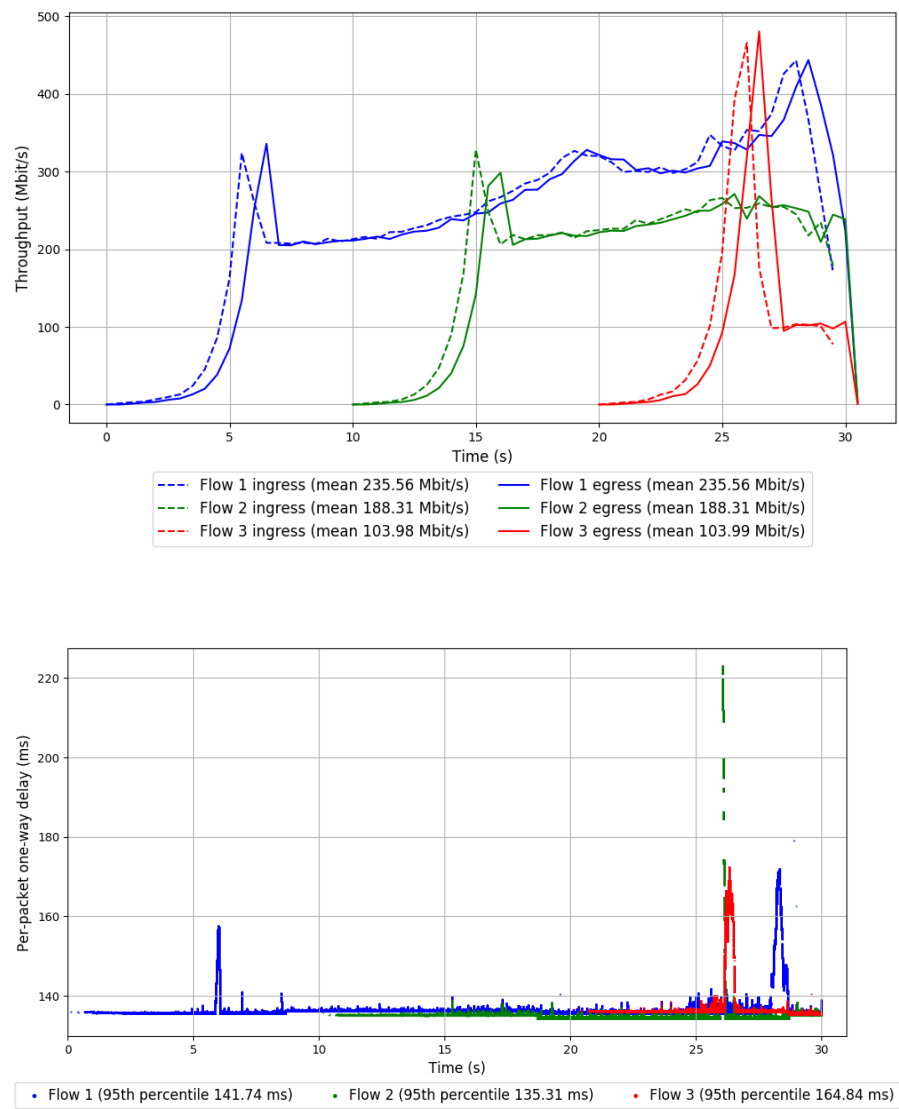


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 19:17:21
End at: 2018-07-25 19:17:51
Local clock offset: -0.185 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-07-25 22:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.99 Mbit/s
95th percentile per-packet one-way delay: 141.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.56 Mbit/s
95th percentile per-packet one-way delay: 141.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.31 Mbit/s
95th percentile per-packet one-way delay: 135.309 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.99 Mbit/s
95th percentile per-packet one-way delay: 164.845 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

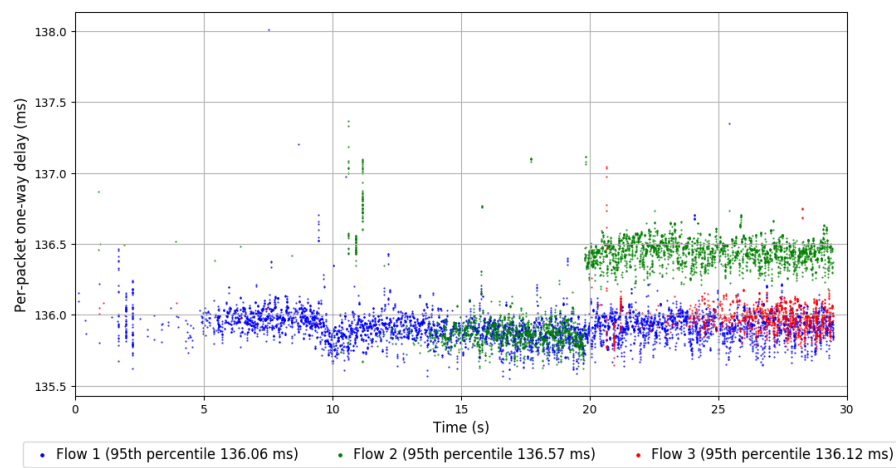
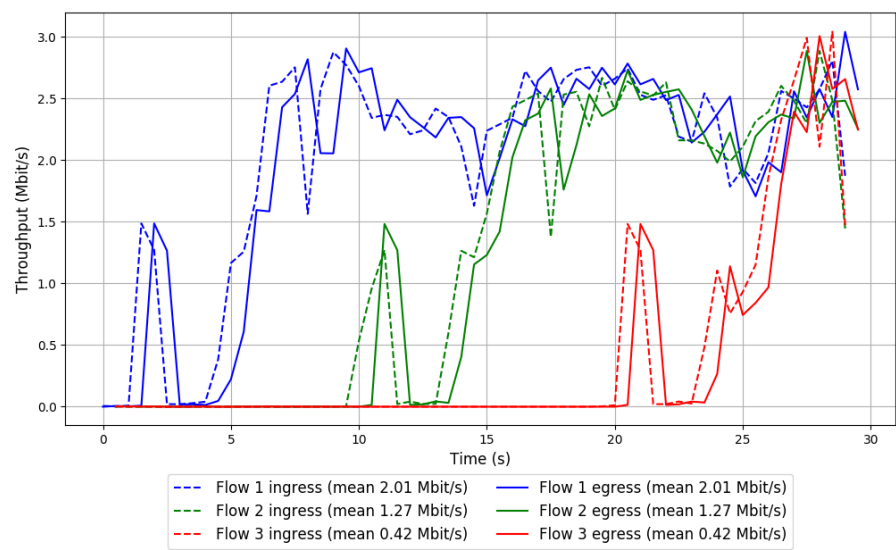


Run 1: Statistics of WebRTC media

Start at: 2018-07-25 15:21:59
End at: 2018-07-25 15:22:29
Local clock offset: -0.253 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-07-25 22:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 136.516 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 136.064 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 136.575 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.118 ms
Loss rate: 0.01%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 15:48:30

End at: 2018-07-25 15:49:00

Local clock offset: -0.047 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-25 22:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 136.881 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 136.388 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 136.277 ms

Loss rate: 0.00%

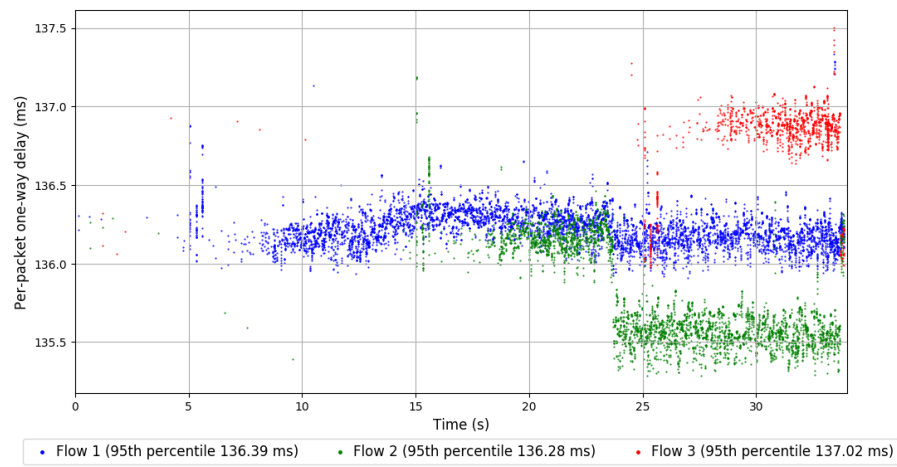
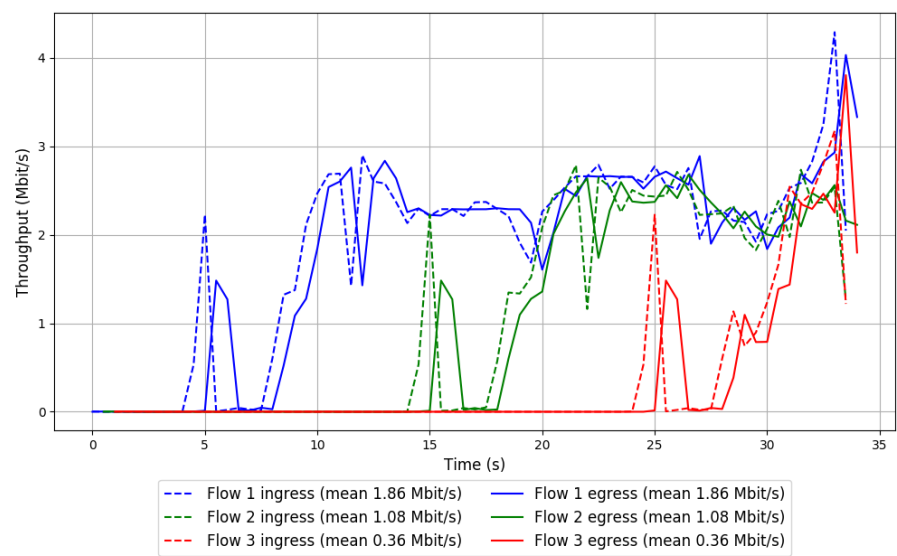
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 137.023 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

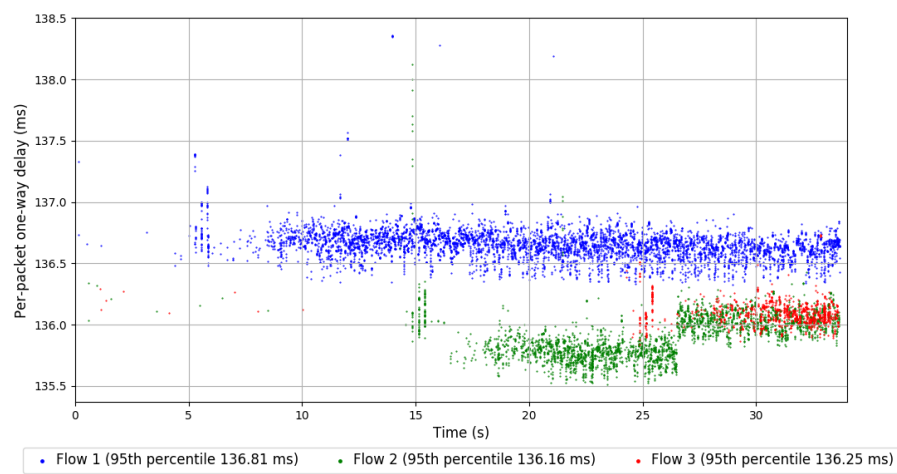
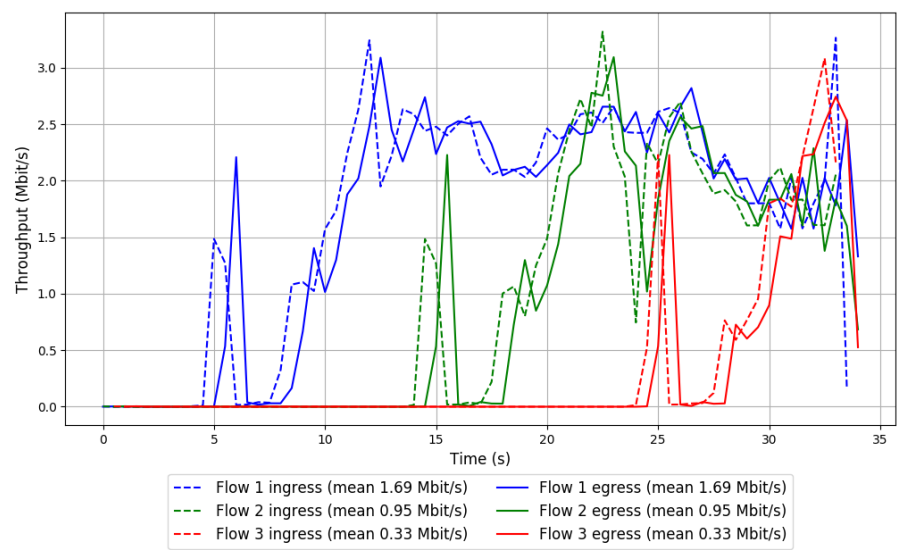


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 16:15:47
End at: 2018-07-25 16:16:17
Local clock offset: 0.056 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-25 22:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 136.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 136.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 136.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.251 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-25 16:42:28

End at: 2018-07-25 16:42:58

Local clock offset: -0.177 ms

Remote clock offset: 0.384 ms

Below is generated by plot.py at 2018-07-25 22:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 137.318 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 137.333 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 137.269 ms

Loss rate: 0.00%

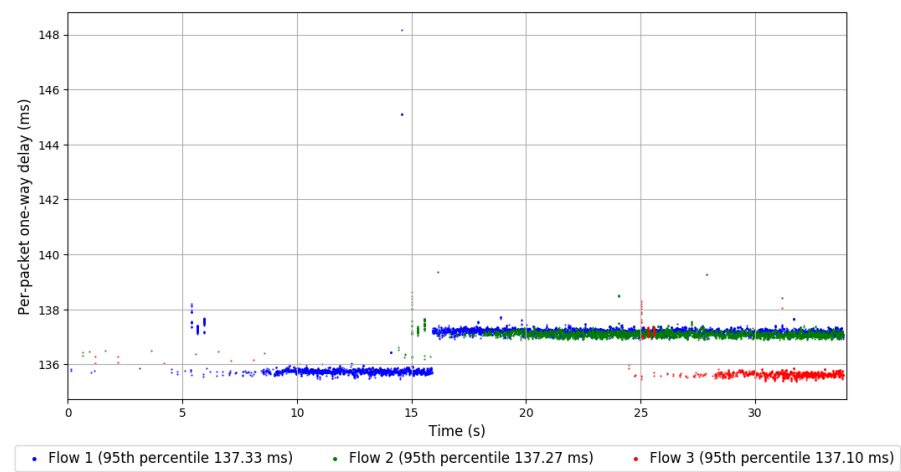
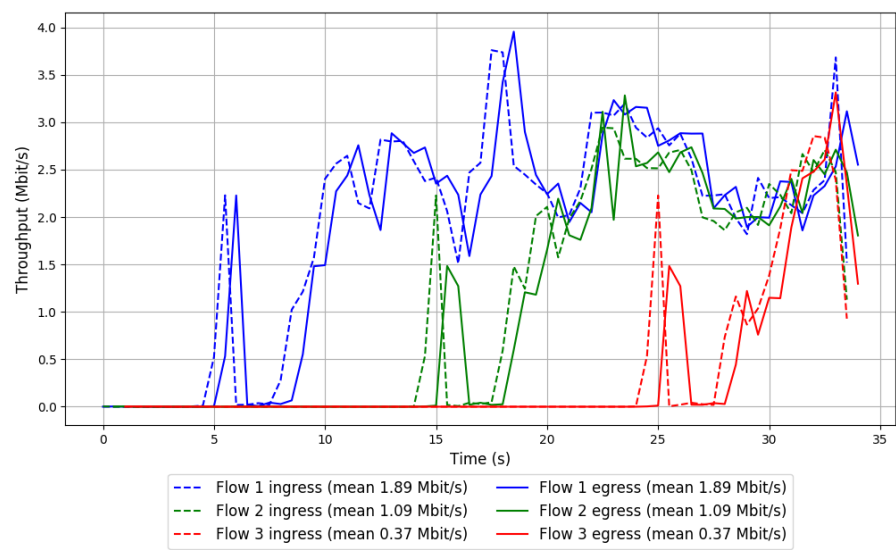
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 137.101 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-25 17:09:32

End at: 2018-07-25 17:10:02

Local clock offset: 0.139 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-07-25 22:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 136.151 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 136.153 ms

Loss rate: 0.00%

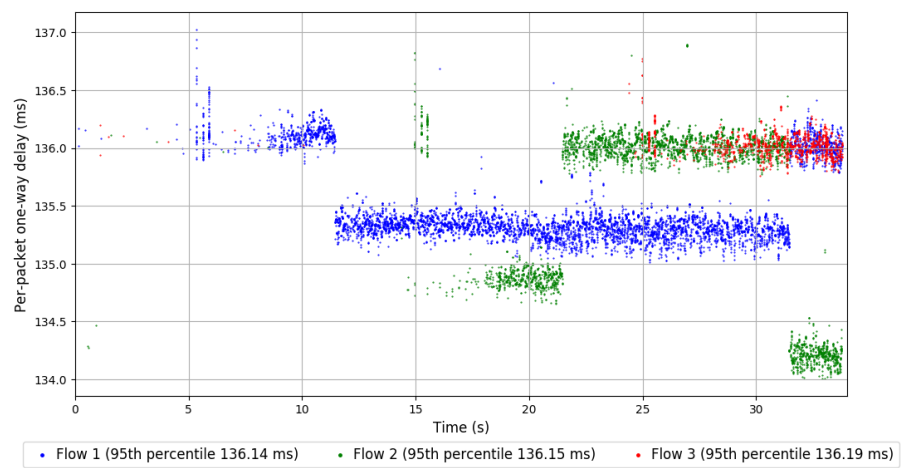
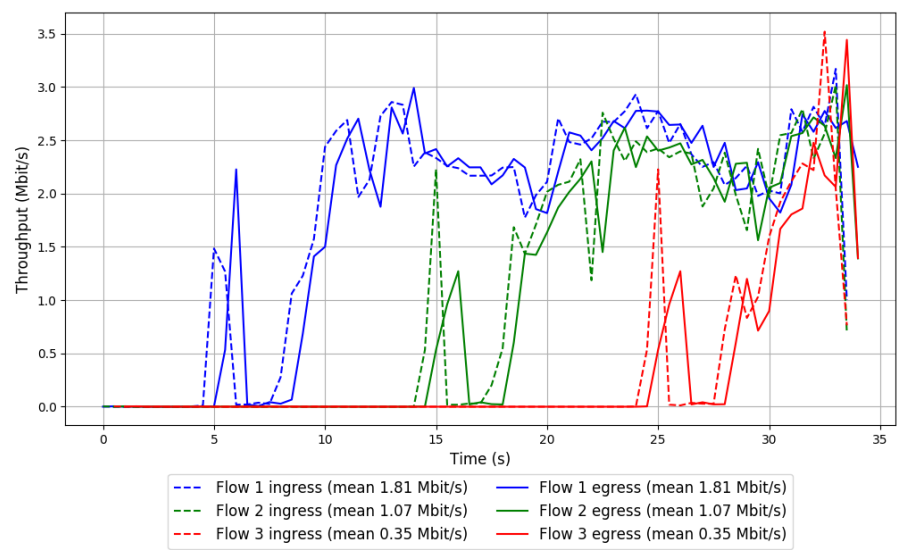
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 136.191 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-25 17:36:49

End at: 2018-07-25 17:37:19

Local clock offset: -0.01 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-25 22:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 136.684 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 136.707 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 135.247 ms

Loss rate: 0.00%

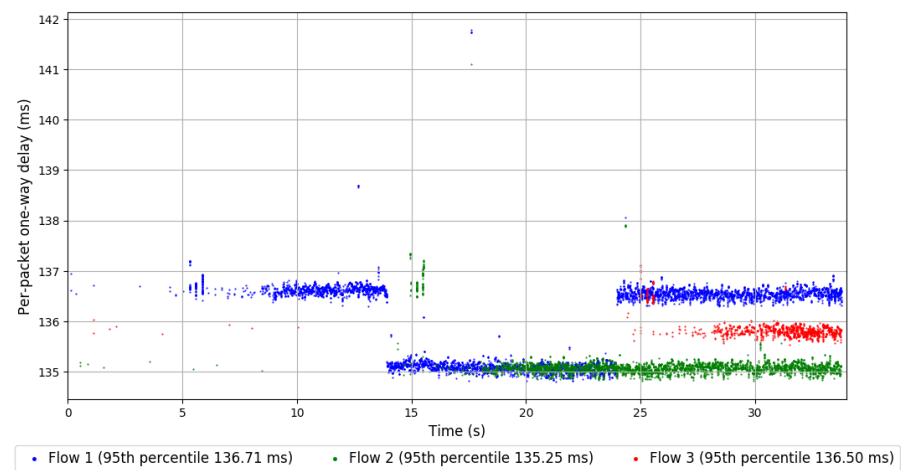
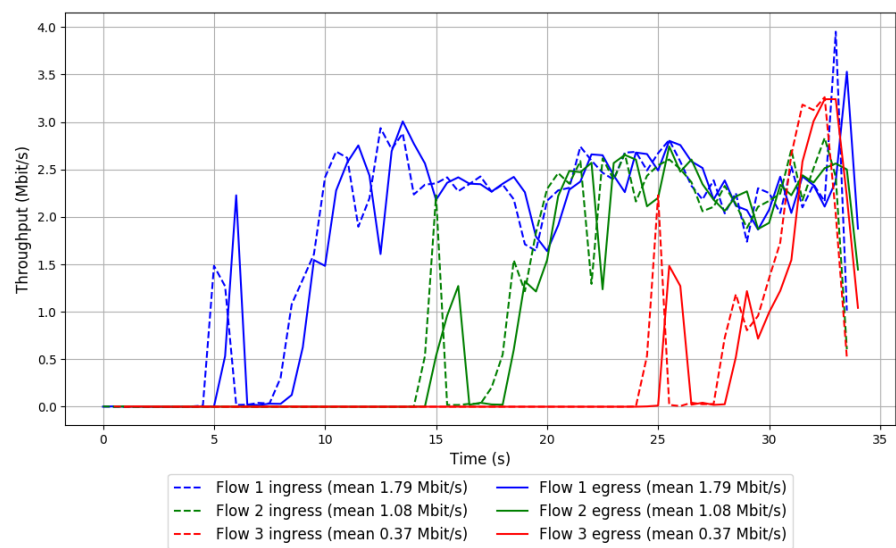
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 136.502 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-25 18:04:02

End at: 2018-07-25 18:04:32

Local clock offset: 0.036 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at 2018-07-25 22:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 137.139 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 137.163 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 136.677 ms

Loss rate: 0.00%

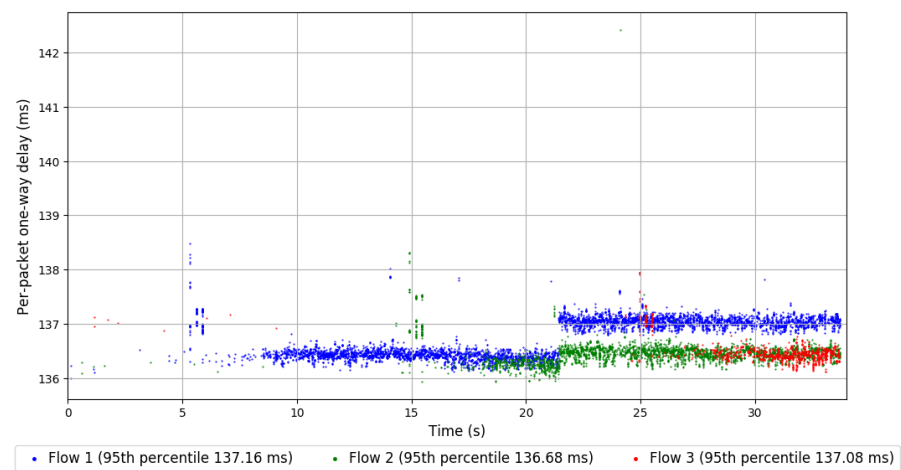
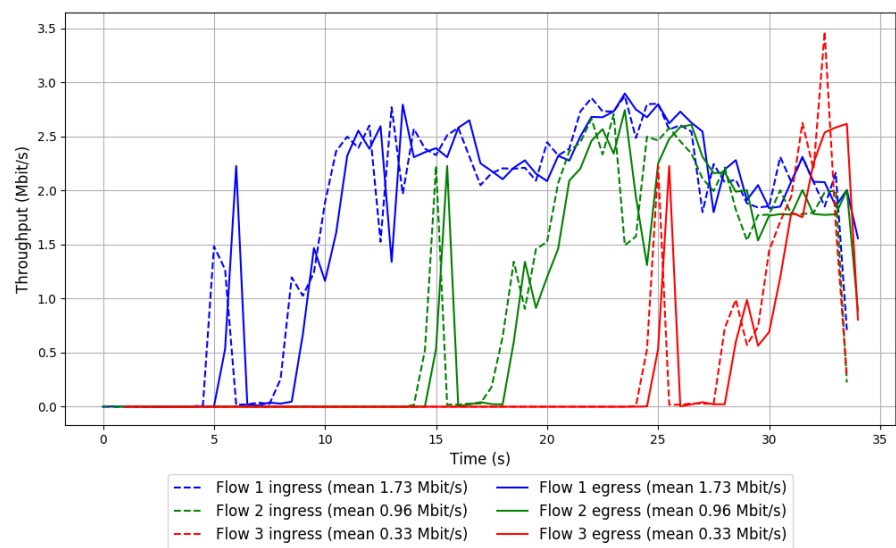
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 137.077 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-25 18:31:07

End at: 2018-07-25 18:31:37

Local clock offset: -0.186 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-07-25 22:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.19 Mbit/s

95th percentile per-packet one-way delay: 136.461 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 135.706 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 136.459 ms

Loss rate: 0.00%

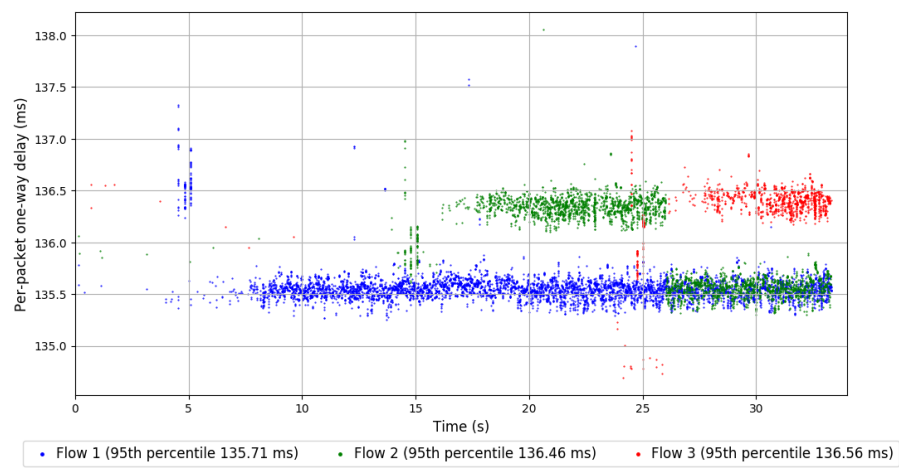
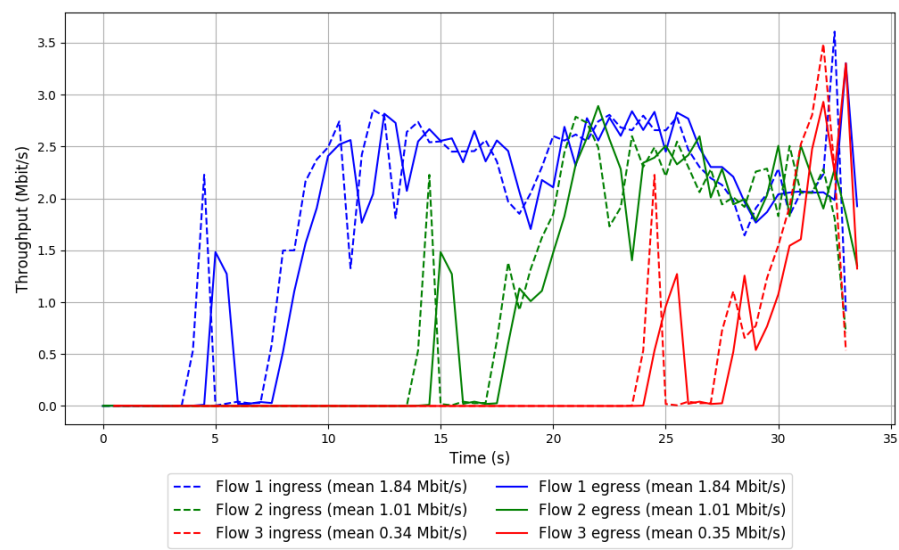
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 136.556 ms

Loss rate: 0.01%

Run 8: Report of WebRTC media — Data Link

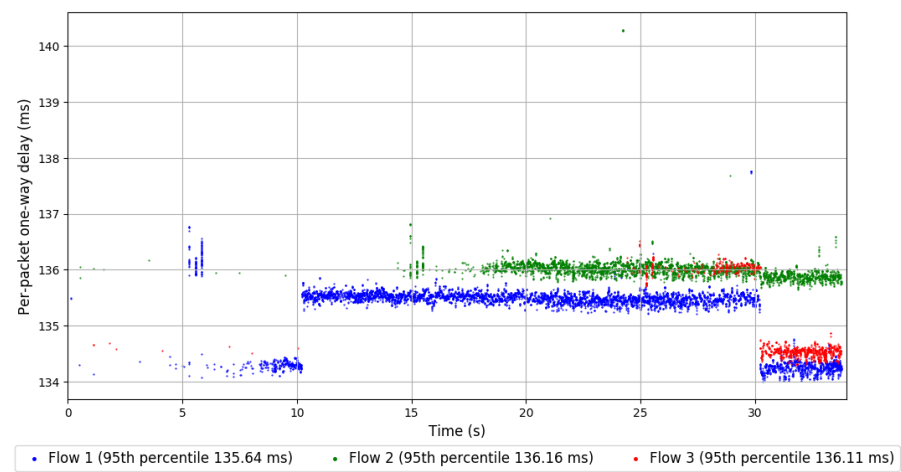
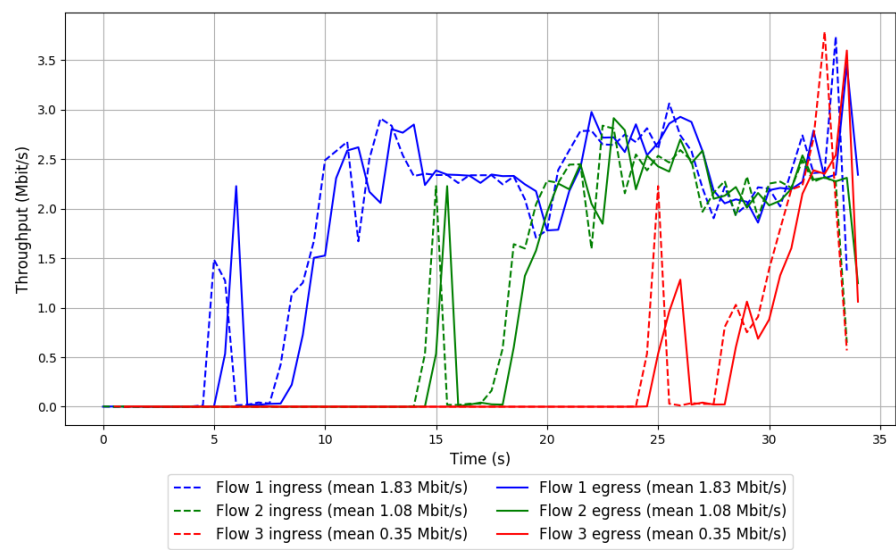


Run 9: Statistics of WebRTC media

Start at: 2018-07-25 18:57:43
End at: 2018-07-25 18:58:13
Local clock offset: 0.14 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-25 22:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 136.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 135.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 136.159 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.106 ms
Loss rate: 0.01%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 19:24:34

End at: 2018-07-25 19:25:04

Local clock offset: 0.049 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-25 22:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 136.618 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 136.602 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 135.498 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 136.709 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

