

Pantheon Report

Generated at 2018-08-03 03:25:10 (UTC).

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

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.

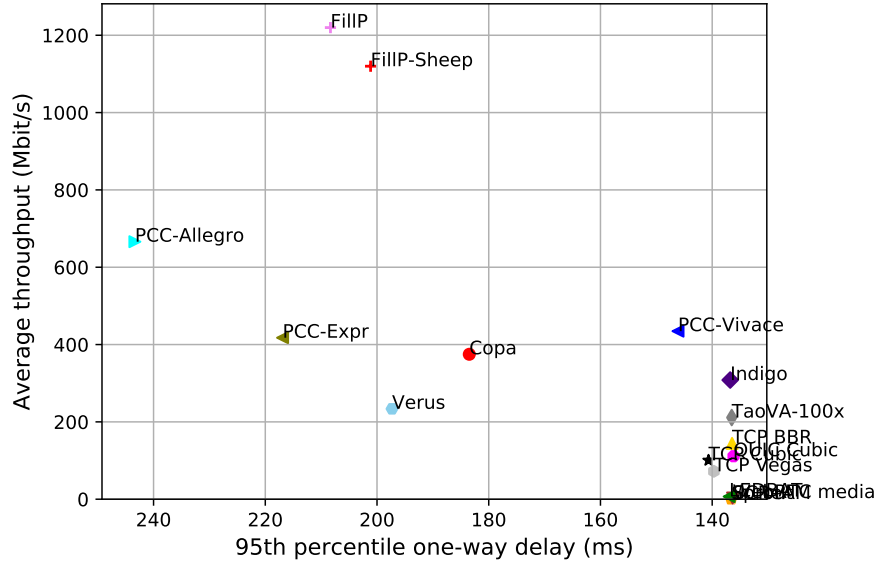
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

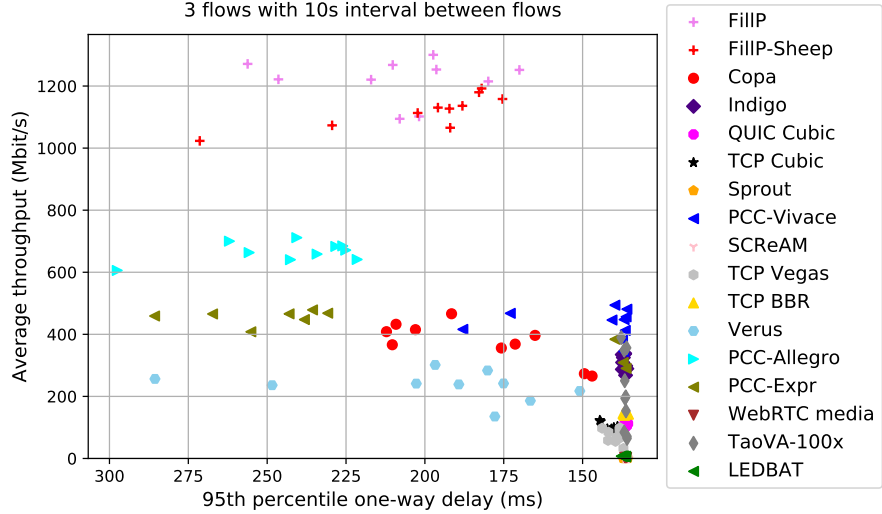
Git summary:

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



test from GCE London to GCE Sydney, 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	74.80	72.74	65.85	136.43	136.42	136.45	0.96	1.46	3.38
Copa	10	206.00	190.07	131.93	178.87	171.93	168.51	0.91	1.12	3.83
TCP Cubic	10	54.33	49.29	41.82	140.50	139.82	140.15	0.94	1.72	3.54
FillP	10	696.54	558.65	471.31	205.34	209.00	169.97	2.21	2.48	4.14
FillP-Sheep	10	644.64	517.81	407.42	200.26	194.11	149.51	1.94	2.71	3.44
Indigo	10	156.19	157.73	147.44	136.55	136.93	137.52	0.89	1.41	3.35
LEDBAT	10	4.45	3.16	1.13	137.00	136.91	136.78	1.92	2.75	4.84
PCC-Allegro	10	488.82	230.69	76.18	248.29	221.29	221.55	3.82	5.03	6.14
PCC-Expr	10	258.41	186.73	110.03	207.44	183.42	150.26	1.76	2.70	3.54
QUIC Cubic	10	58.46	58.53	43.03	135.97	136.14	135.78	1.20	0.64	3.42
SCReAM	10	0.22	0.22	0.22	136.14	136.17	136.05	0.89	1.43	2.49
Sprout	10	0.17	0.17	0.22	136.52	136.49	136.57	0.66	1.23	1.87
TaoVA-100x	10	103.09	108.27	111.57	136.41	136.51	137.28	0.86	1.44	3.56
TCP Vegas	10	40.45	33.79	28.70	139.64	139.31	139.32	0.94	1.65	3.10
Verus	10	138.68	107.71	78.38	183.71	190.61	193.44	2.34	2.78	4.69
PCC-Vivace	10	293.32	148.78	132.33	147.63	136.47	158.89	0.94	2.75	4.73
WebRTC media	10	1.73	1.00	0.33	136.30	136.06	136.36	1.20	1.96	5.51

Run 1: Statistics of TCP BBR

Start at: 2018-08-02 20:39:16

End at: 2018-08-02 20:39:46

Local clock offset: 0.095 ms

Remote clock offset: 0.364 ms

Below is generated by plot.py at 2018-08-03 01:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.36 Mbit/s

95th percentile per-packet one-way delay: 136.621 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 81.22 Mbit/s

95th percentile per-packet one-way delay: 136.649 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 136.448 ms

Loss rate: 1.59%

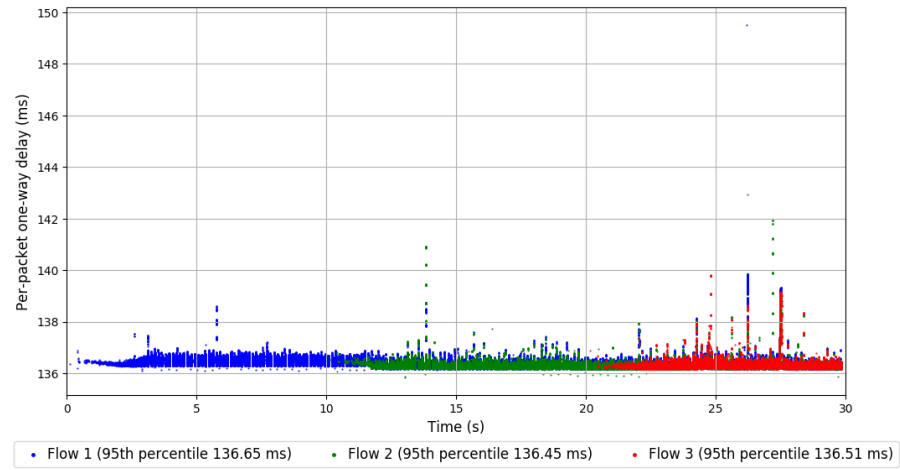
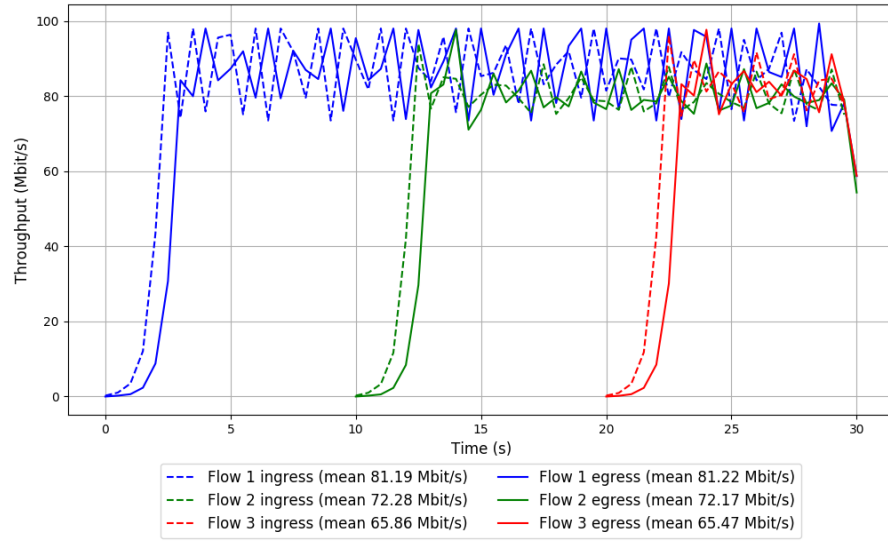
-- Flow 3:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 136.511 ms

Loss rate: 3.32%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-02 21:06:59

End at: 2018-08-02 21:07:29

Local clock offset: 0.121 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-08-03 01:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.49 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 73.56 Mbit/s

95th percentile per-packet one-way delay: 135.990 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 76.14 Mbit/s

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

Loss rate: 1.40%

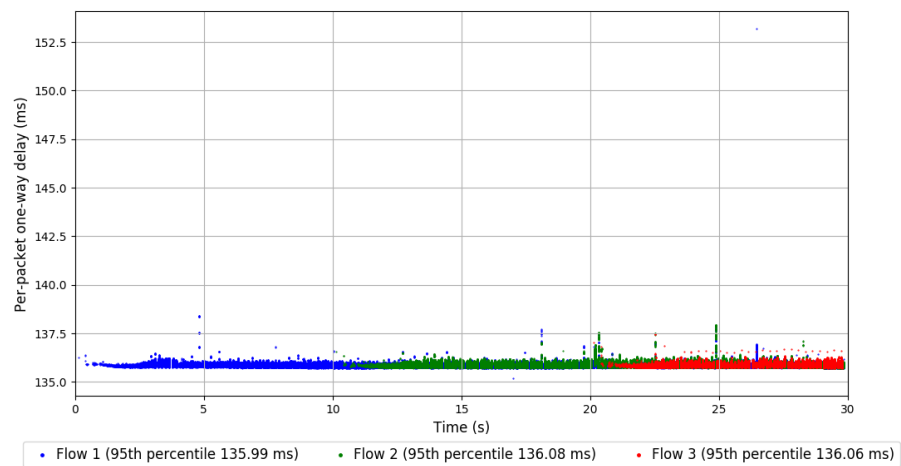
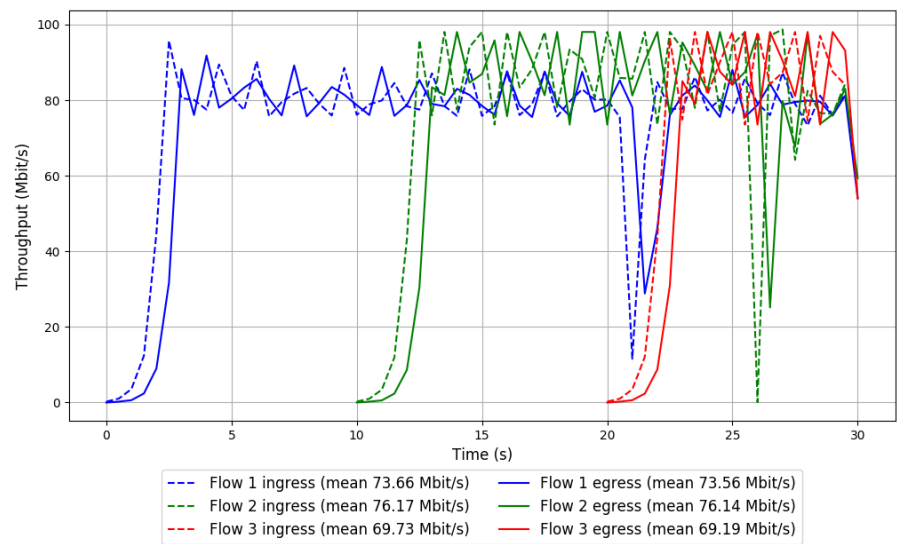
-- Flow 3:

Average throughput: 69.19 Mbit/s

95th percentile per-packet one-way delay: 136.055 ms

Loss rate: 3.54%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-02 21:34:20

End at: 2018-08-02 21:34:50

Local clock offset: -0.009 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-08-03 01:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.38 Mbit/s

95th percentile per-packet one-way delay: 136.626 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 72.15 Mbit/s

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

Loss rate: 0.98%

-- Flow 2:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 136.617 ms

Loss rate: 1.53%

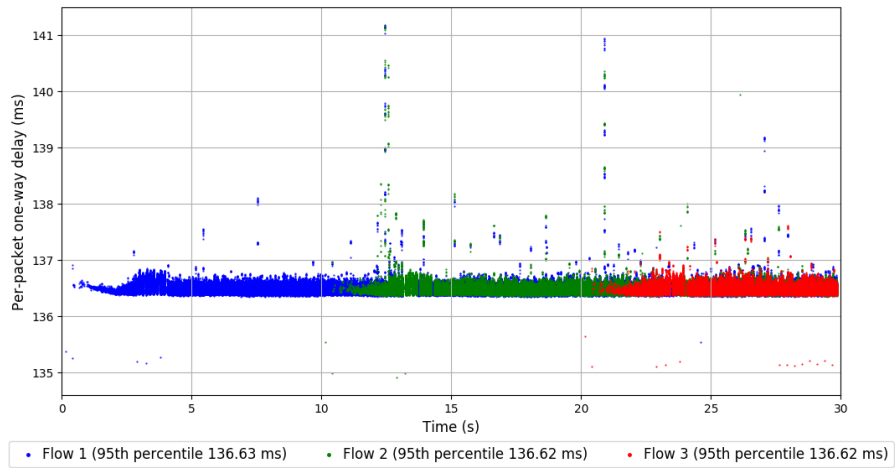
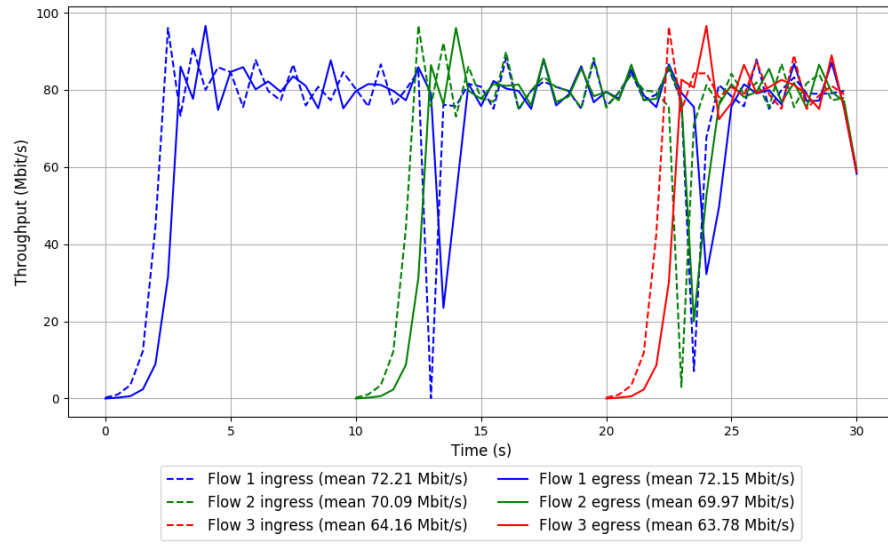
-- Flow 3:

Average throughput: 63.78 Mbit/s

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

Loss rate: 3.30%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-02 22:00:53

End at: 2018-08-02 22:01:23

Local clock offset: 0.019 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-08-03 01:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.60 Mbit/s

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

Loss rate: 1.61%

-- Flow 1:

Average throughput: 74.51 Mbit/s

95th percentile per-packet one-way delay: 136.863 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 70.33 Mbit/s

95th percentile per-packet one-way delay: 136.833 ms

Loss rate: 1.51%

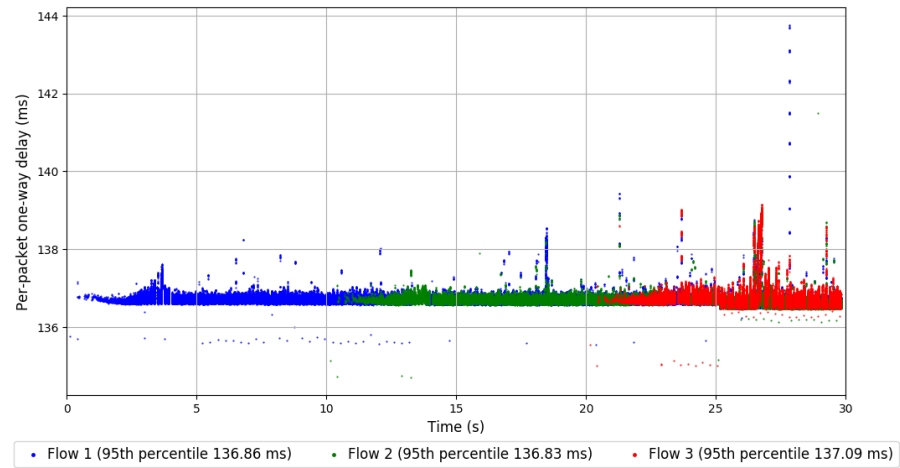
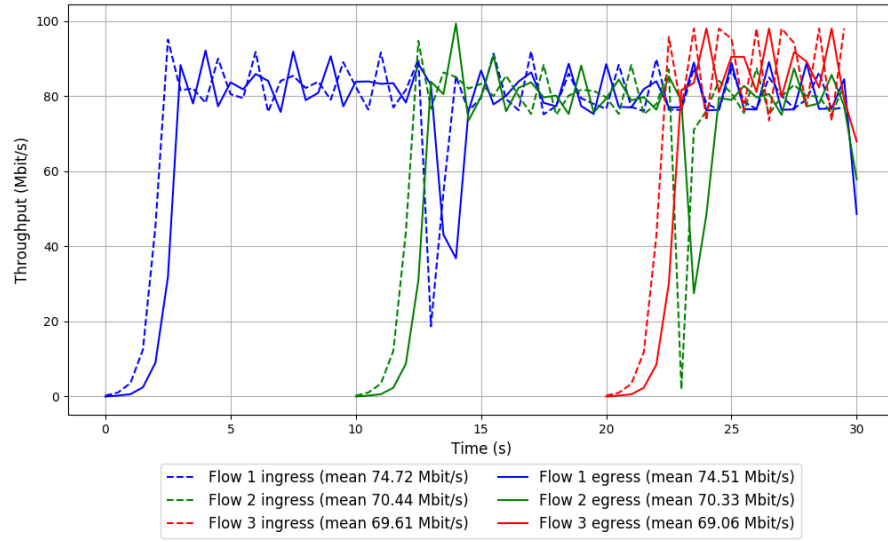
-- Flow 3:

Average throughput: 69.06 Mbit/s

95th percentile per-packet one-way delay: 137.095 ms

Loss rate: 3.54%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-02 22:27:45

End at: 2018-08-02 22:28:15

Local clock offset: 0.139 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-08-03 01:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.03 Mbit/s

95th percentile per-packet one-way delay: 136.889 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 73.18 Mbit/s

95th percentile per-packet one-way delay: 136.876 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 69.69 Mbit/s

95th percentile per-packet one-way delay: 136.901 ms

Loss rate: 1.65%

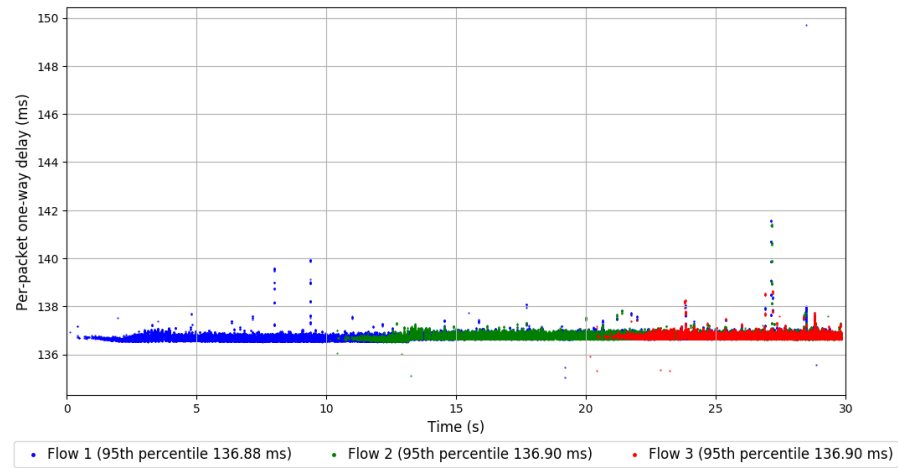
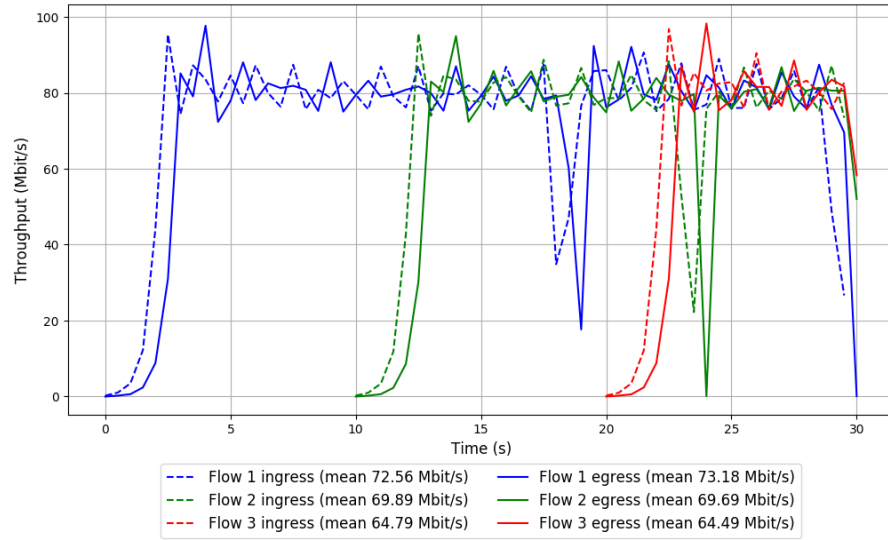
-- Flow 3:

Average throughput: 64.49 Mbit/s

95th percentile per-packet one-way delay: 136.902 ms

Loss rate: 3.20%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-02 22:55:04

End at: 2018-08-02 22:55:34

Local clock offset: -0.055 ms

Remote clock offset: 0.372 ms

Below is generated by plot.py at 2018-08-03 01:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.73 Mbit/s

95th percentile per-packet one-way delay: 135.460 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 73.83 Mbit/s

95th percentile per-packet one-way delay: 135.456 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 135.457 ms

Loss rate: 0.72%

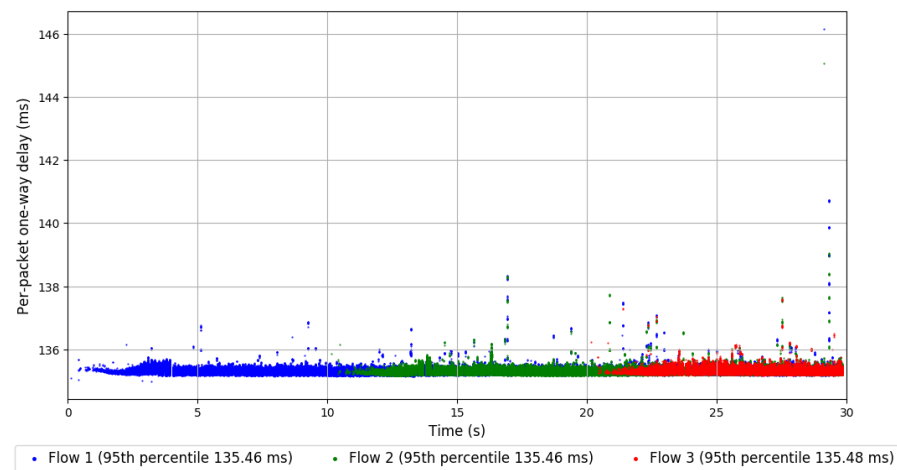
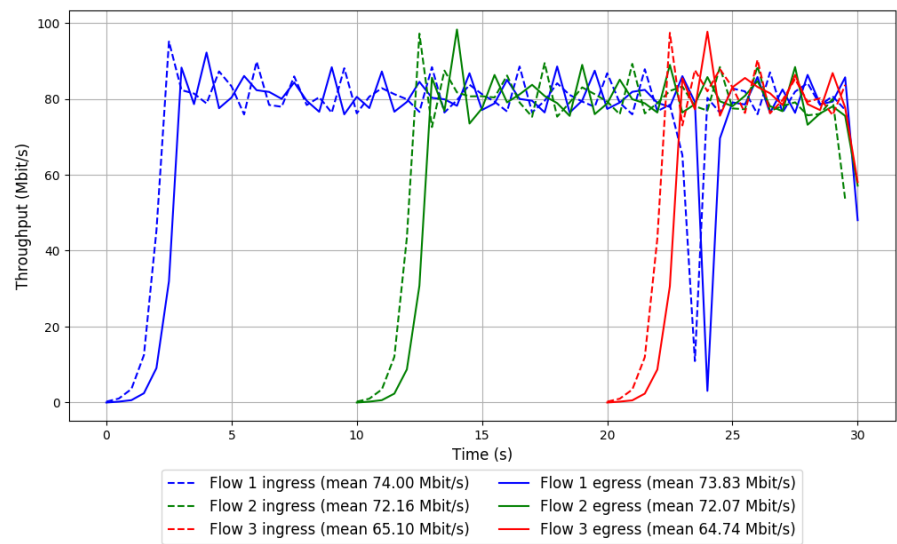
-- Flow 3:

Average throughput: 64.74 Mbit/s

95th percentile per-packet one-way delay: 135.479 ms

Loss rate: 3.28%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-02 23:22:09

End at: 2018-08-02 23:22:39

Local clock offset: 0.185 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-08-03 01:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 149.42 Mbit/s

95th percentile per-packet one-way delay: 136.122 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 76.28 Mbit/s

95th percentile per-packet one-way delay: 136.121 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 78.87 Mbit/s

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

Loss rate: 1.56%

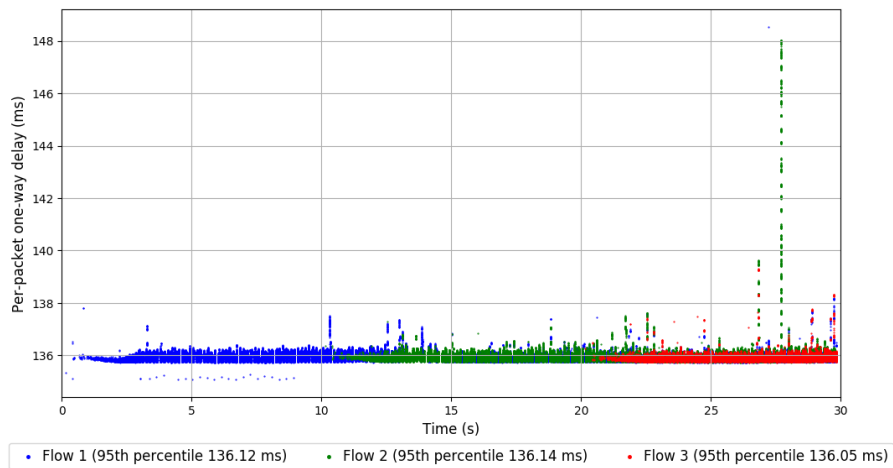
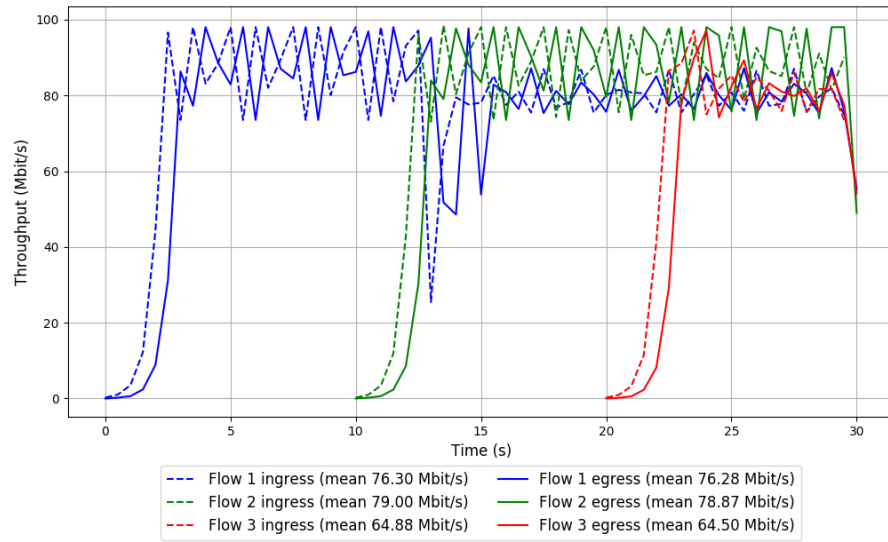
-- Flow 3:

Average throughput: 64.50 Mbit/s

95th percentile per-packet one-way delay: 136.046 ms

Loss rate: 3.31%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-02 23:49:40

End at: 2018-08-02 23:50:10

Local clock offset: 0.217 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-03 01:09:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.89 Mbit/s

95th percentile per-packet one-way delay: 136.896 ms

Loss rate: 1.61%

-- Flow 1:

Average throughput: 74.84 Mbit/s

95th percentile per-packet one-way delay: 136.901 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 136.900 ms

Loss rate: 1.64%

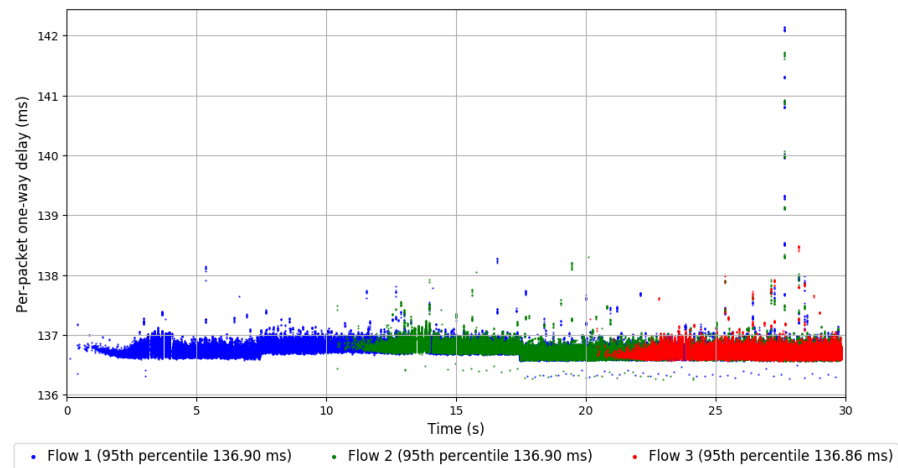
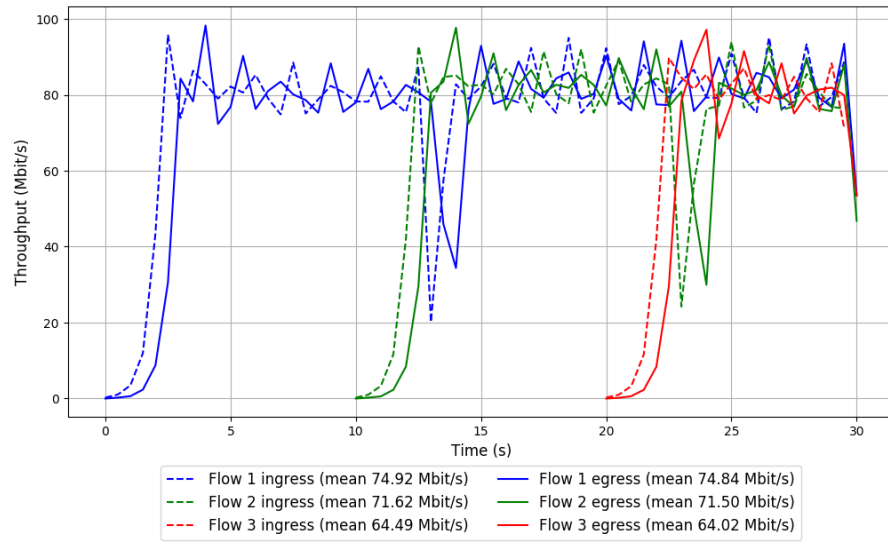
-- Flow 3:

Average throughput: 64.02 Mbit/s

95th percentile per-packet one-way delay: 136.856 ms

Loss rate: 3.37%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-03 00:17:07

End at: 2018-08-03 00:17:37

Local clock offset: -0.157 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-08-03 01:11:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.10 Mbit/s

95th percentile per-packet one-way delay: 135.700 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 73.56 Mbit/s

95th percentile per-packet one-way delay: 135.667 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 135.653 ms

Loss rate: 1.54%

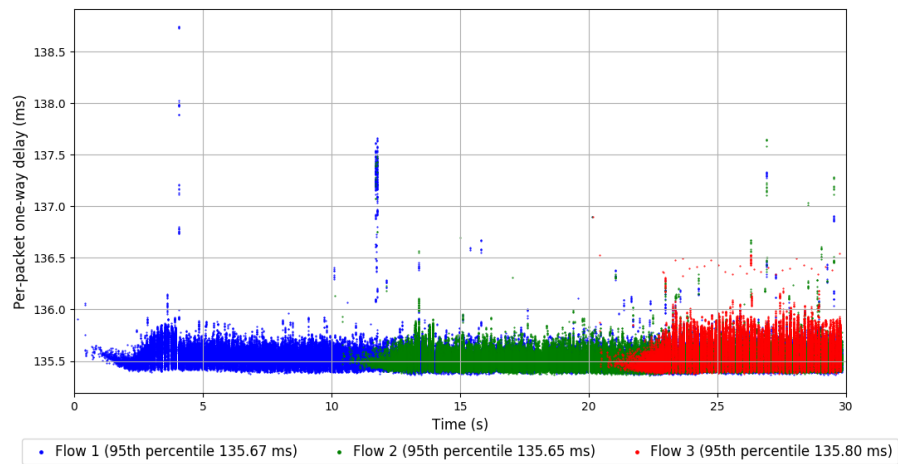
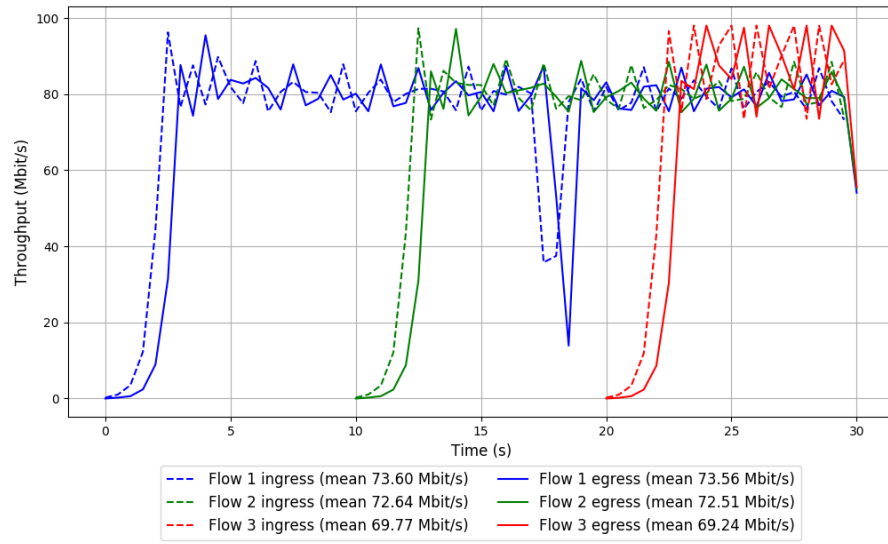
-- Flow 3:

Average throughput: 69.24 Mbit/s

95th percentile per-packet one-way delay: 135.796 ms

Loss rate: 3.54%

Run 9: Report of TCP BBR — Data Link

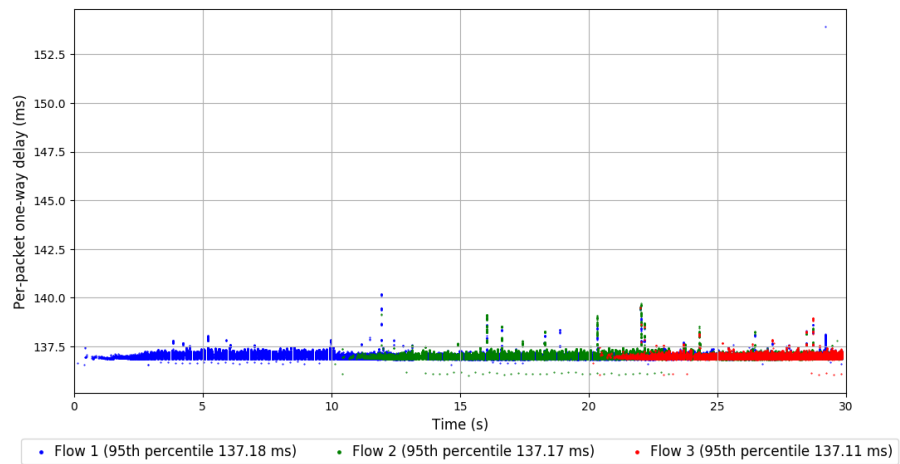
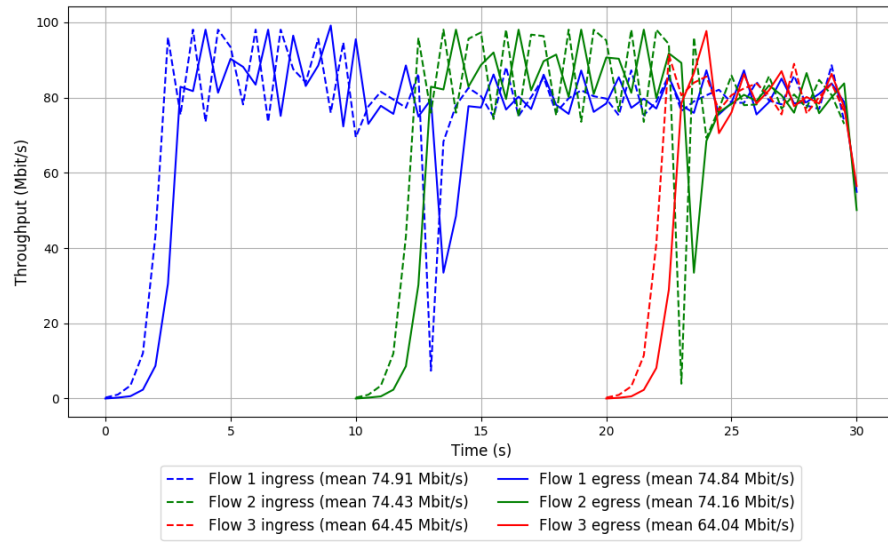


Run 10: Statistics of TCP BBR

Start at: 2018-08-03 00:44:46
End at: 2018-08-03 00:45:16
Local clock offset: -0.047 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-08-03 01:11:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.86 Mbit/s
95th percentile per-packet one-way delay: 137.173 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 137.184 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 137.169 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 137.112 ms
Loss rate: 3.37%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-02 20:32:32

End at: 2018-08-02 20:33:02

Local clock offset: 0.068 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-08-03 01:18:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.91 Mbit/s

95th percentile per-packet one-way delay: 175.759 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 148.91 Mbit/s

95th percentile per-packet one-way delay: 139.387 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 237.28 Mbit/s

95th percentile per-packet one-way delay: 179.437 ms

Loss rate: 1.50%

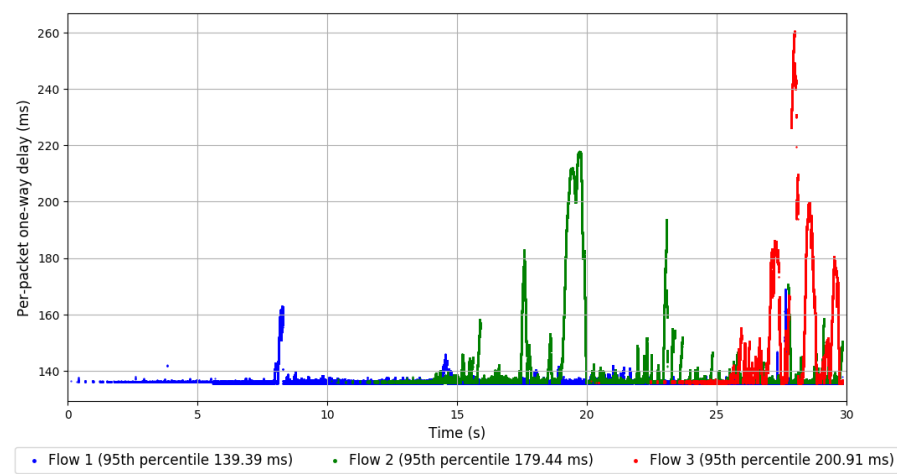
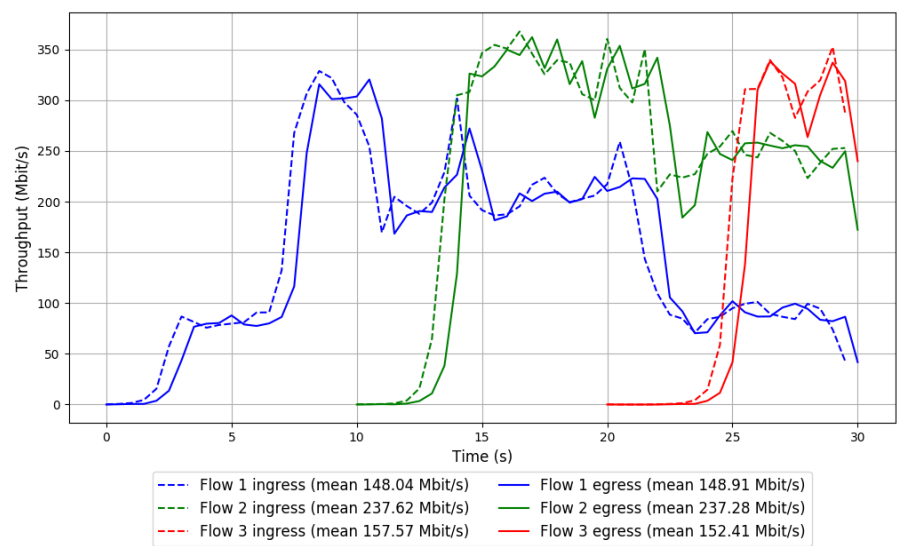
-- Flow 3:

Average throughput: 152.41 Mbit/s

95th percentile per-packet one-way delay: 200.909 ms

Loss rate: 5.93%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-02 20:59:36

End at: 2018-08-02 21:00:06

Local clock offset: 0.037 ms

Remote clock offset: 0.458 ms

Below is generated by plot.py at 2018-08-03 01:20:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.05 Mbit/s

95th percentile per-packet one-way delay: 202.993 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 243.26 Mbit/s

95th percentile per-packet one-way delay: 205.585 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 168.17 Mbit/s

95th percentile per-packet one-way delay: 156.647 ms

Loss rate: 0.54%

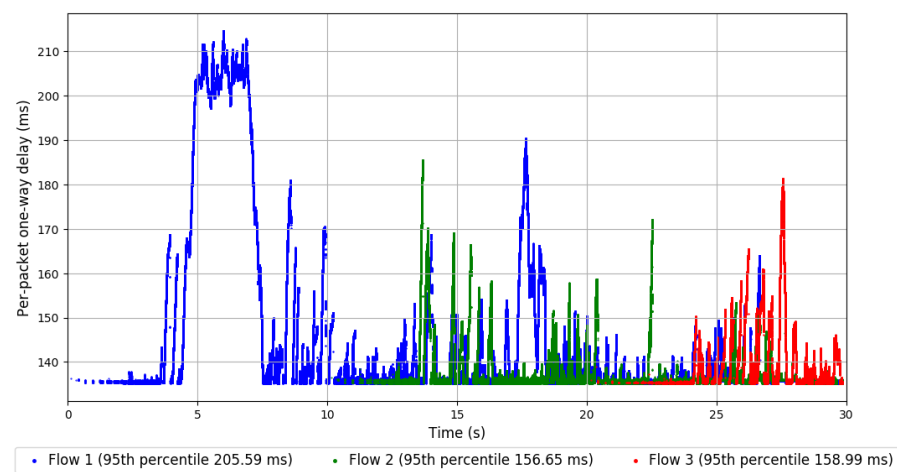
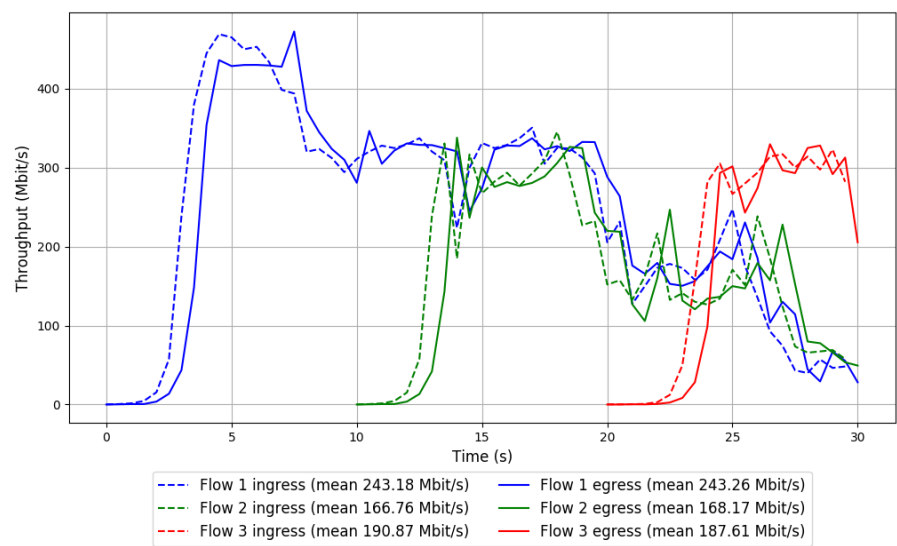
-- Flow 3:

Average throughput: 187.61 Mbit/s

95th percentile per-packet one-way delay: 158.988 ms

Loss rate: 4.40%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-02 21:27:15

End at: 2018-08-02 21:27:45

Local clock offset: -0.013 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-08-03 01:20:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 408.56 Mbit/s

95th percentile per-packet one-way delay: 212.181 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 202.29 Mbit/s

95th percentile per-packet one-way delay: 202.690 ms

Loss rate: 1.84%

-- Flow 2:

Average throughput: 260.60 Mbit/s

95th percentile per-packet one-way delay: 218.445 ms

Loss rate: 1.36%

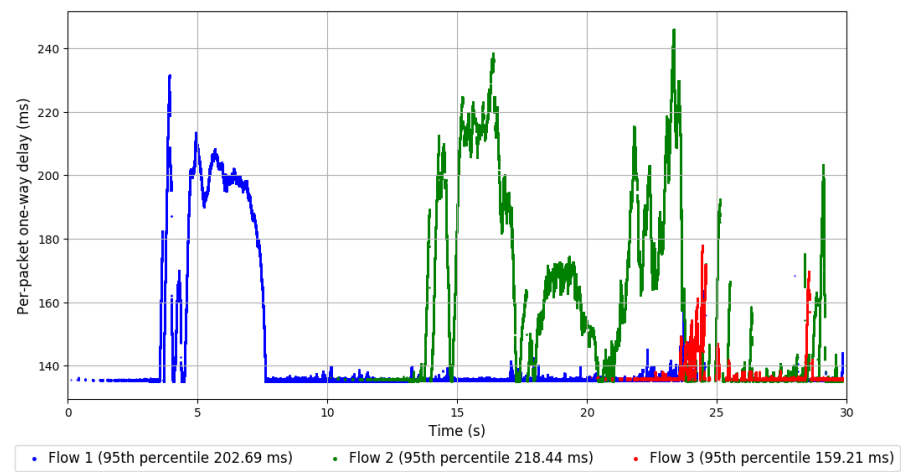
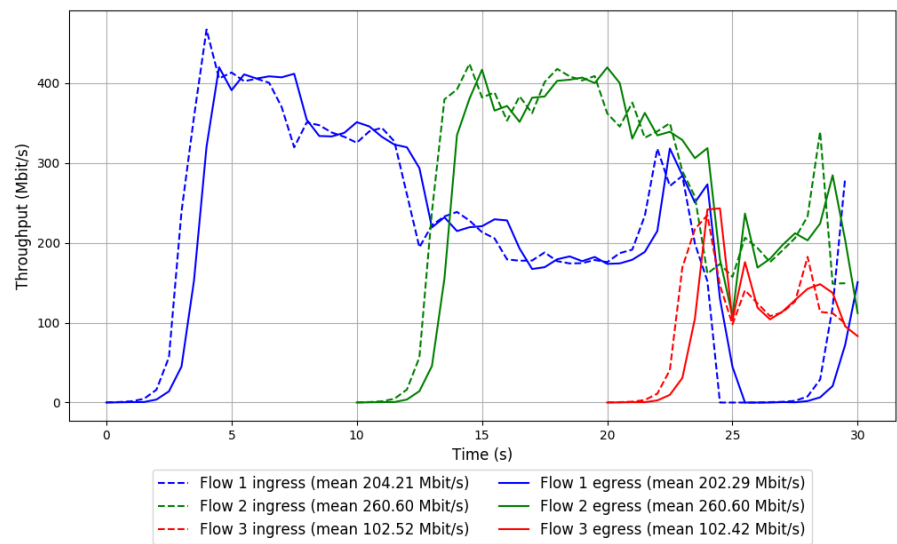
-- Flow 3:

Average throughput: 102.42 Mbit/s

95th percentile per-packet one-way delay: 159.212 ms

Loss rate: 2.81%

Run 3: Report of Copa — Data Link

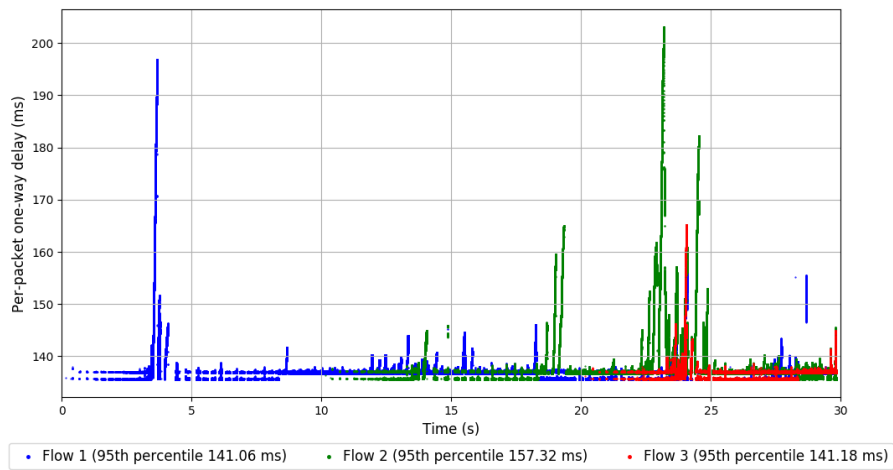
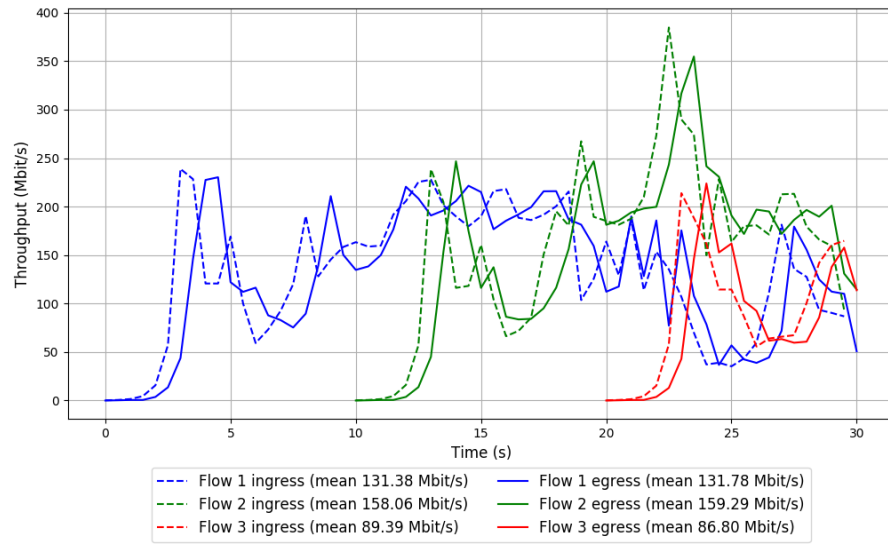


Run 4: Statistics of Copa

Start at: 2018-08-02 21:54:09
End at: 2018-08-02 21:54:39
Local clock offset: 0.014 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-08-03 01:20:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.52 Mbit/s
95th percentile per-packet one-way delay: 146.994 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 131.78 Mbit/s
95th percentile per-packet one-way delay: 141.061 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 159.29 Mbit/s
95th percentile per-packet one-way delay: 157.324 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 141.184 ms
Loss rate: 5.54%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-02 22:20:56

End at: 2018-08-02 22:21:26

Local clock offset: 0.037 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2018-08-03 01:20:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 273.17 Mbit/s

95th percentile per-packet one-way delay: 149.439 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 165.65 Mbit/s

95th percentile per-packet one-way delay: 149.339 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 114.96 Mbit/s

95th percentile per-packet one-way delay: 153.356 ms

Loss rate: 1.45%

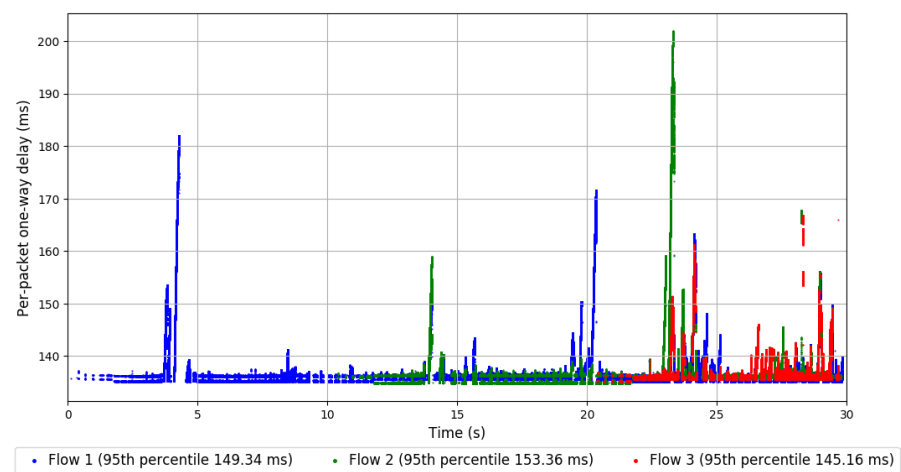
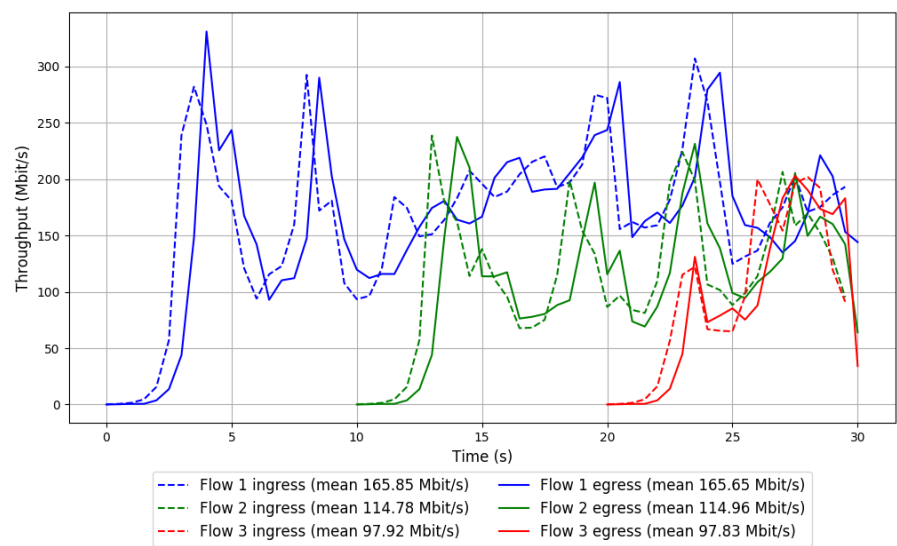
-- Flow 3:

Average throughput: 97.83 Mbit/s

95th percentile per-packet one-way delay: 145.159 ms

Loss rate: 3.74%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-02 22:48:05

End at: 2018-08-02 22:48:35

Local clock offset: 0.033 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2018-08-03 01:22:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 466.28 Mbit/s

95th percentile per-packet one-way delay: 191.543 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 224.25 Mbit/s

95th percentile per-packet one-way delay: 185.990 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 263.42 Mbit/s

95th percentile per-packet one-way delay: 203.996 ms

Loss rate: 1.38%

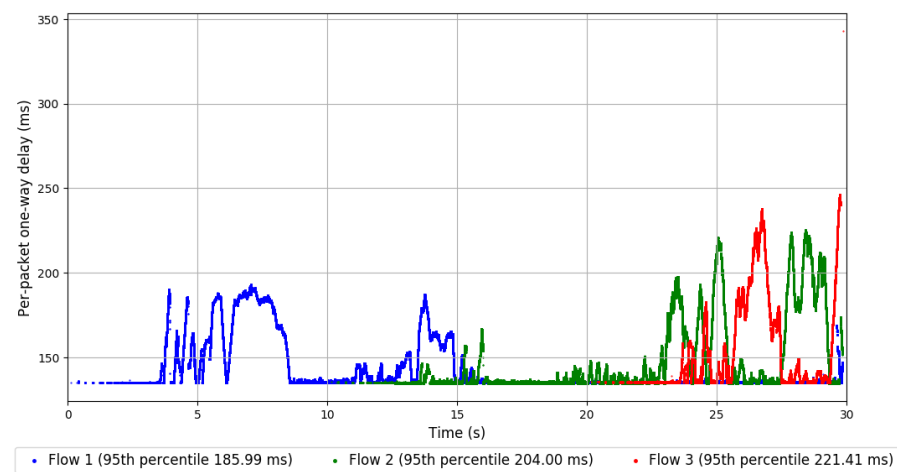
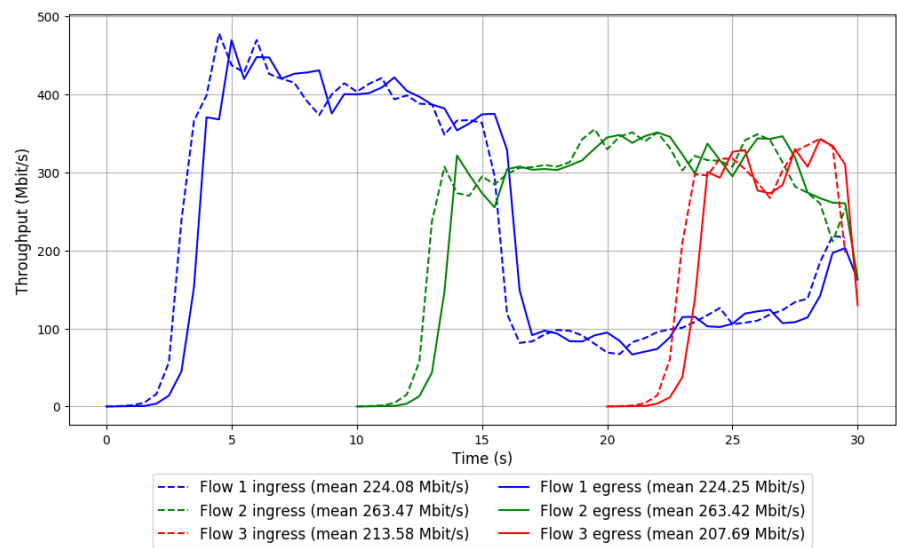
-- Flow 3:

Average throughput: 207.69 Mbit/s

95th percentile per-packet one-way delay: 221.408 ms

Loss rate: 4.47%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-02 23:15:12

End at: 2018-08-02 23:15:42

Local clock offset: -0.075 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-08-03 01:23:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 432.36 Mbit/s

95th percentile per-packet one-way delay: 209.151 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 243.56 Mbit/s

95th percentile per-packet one-way delay: 210.898 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 233.58 Mbit/s

95th percentile per-packet one-way delay: 201.897 ms

Loss rate: 0.49%

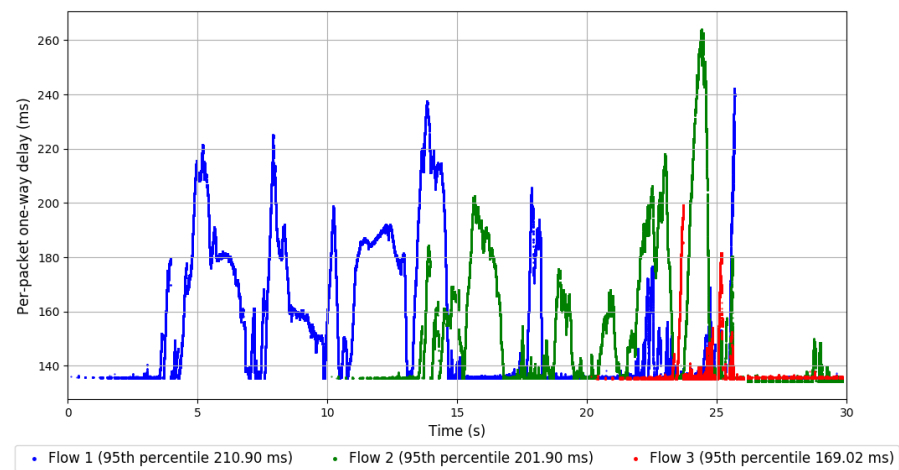
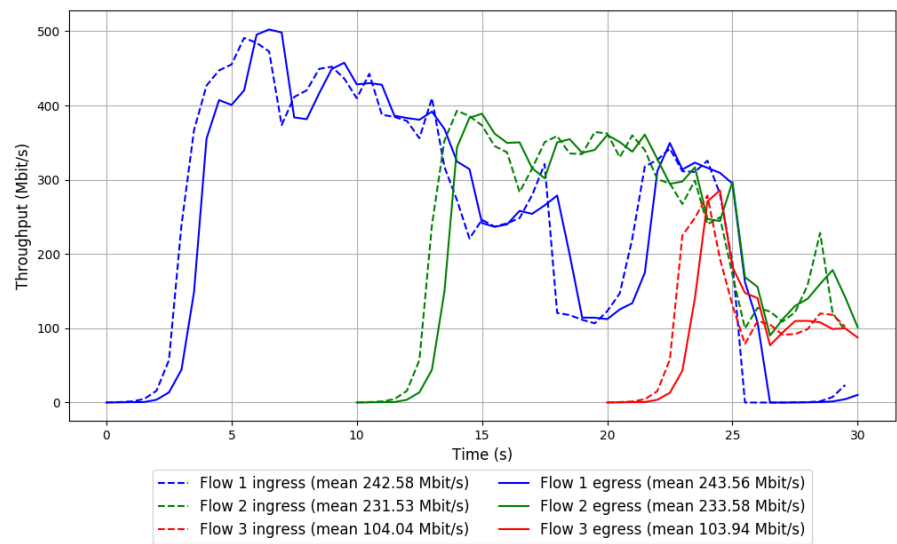
-- Flow 3:

Average throughput: 103.94 Mbit/s

95th percentile per-packet one-way delay: 169.020 ms

Loss rate: 2.82%

Run 7: Report of Copa — Data Link

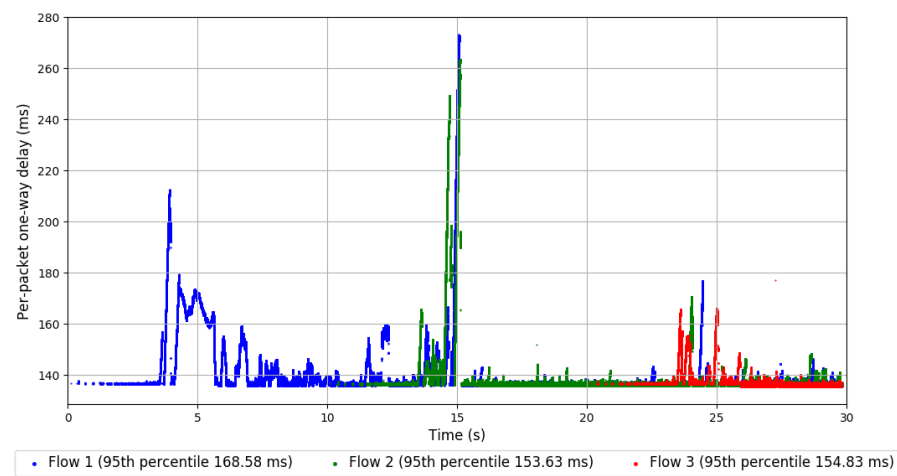
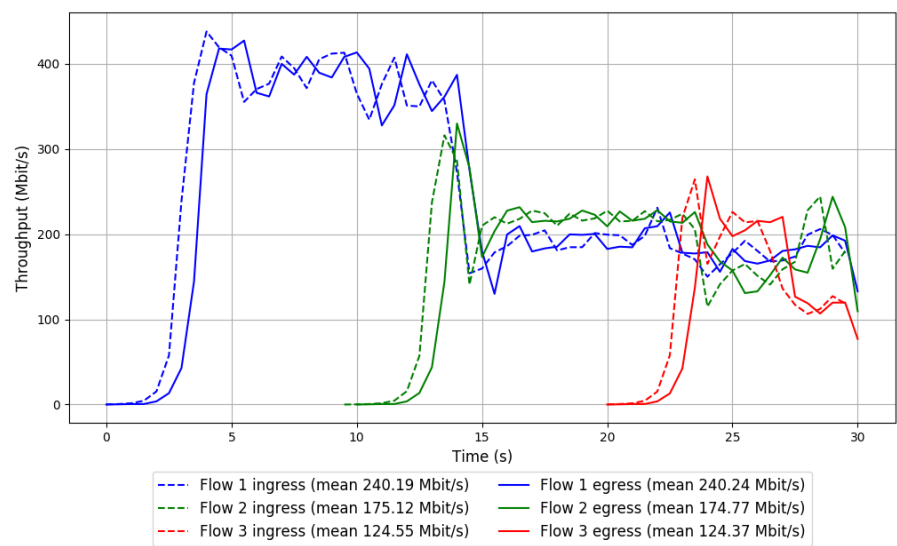


Run 8: Statistics of Copa

Start at: 2018-08-02 23:42:32
End at: 2018-08-02 23:43:02
Local clock offset: -0.086 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-08-03 01:23:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.63 Mbit/s
95th percentile per-packet one-way delay: 165.069 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 240.24 Mbit/s
95th percentile per-packet one-way delay: 168.581 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 174.77 Mbit/s
95th percentile per-packet one-way delay: 153.631 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 124.37 Mbit/s
95th percentile per-packet one-way delay: 154.828 ms
Loss rate: 3.01%

Run 8: Report of Copa — Data Link

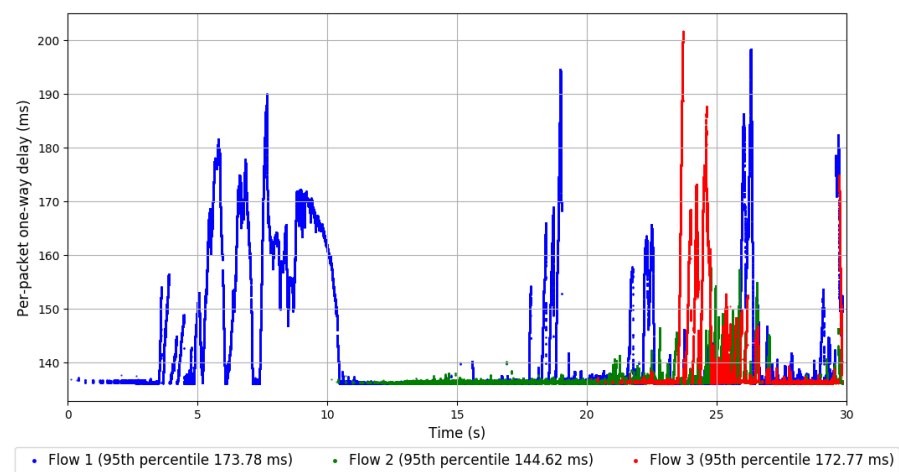
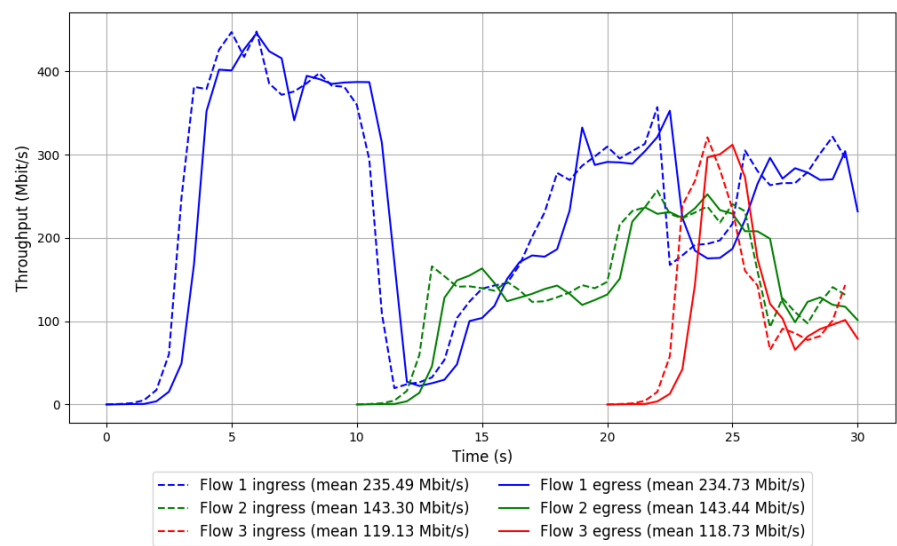


Run 9: Statistics of Copa

Start at: 2018-08-03 00:09:45
End at: 2018-08-03 00:10:15
Local clock offset: 0.201 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-08-03 01:27:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.43 Mbit/s
95th percentile per-packet one-way delay: 171.371 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 234.73 Mbit/s
95th percentile per-packet one-way delay: 173.782 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 143.44 Mbit/s
95th percentile per-packet one-way delay: 144.622 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 118.73 Mbit/s
95th percentile per-packet one-way delay: 172.771 ms
Loss rate: 3.19%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-03 00:37:19

End at: 2018-08-03 00:37:49

Local clock offset: 0.063 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.40 Mbit/s

95th percentile per-packet one-way delay: 210.328 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 225.35 Mbit/s

95th percentile per-packet one-way delay: 211.431 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 145.22 Mbit/s

95th percentile per-packet one-way delay: 149.959 ms

Loss rate: 1.01%

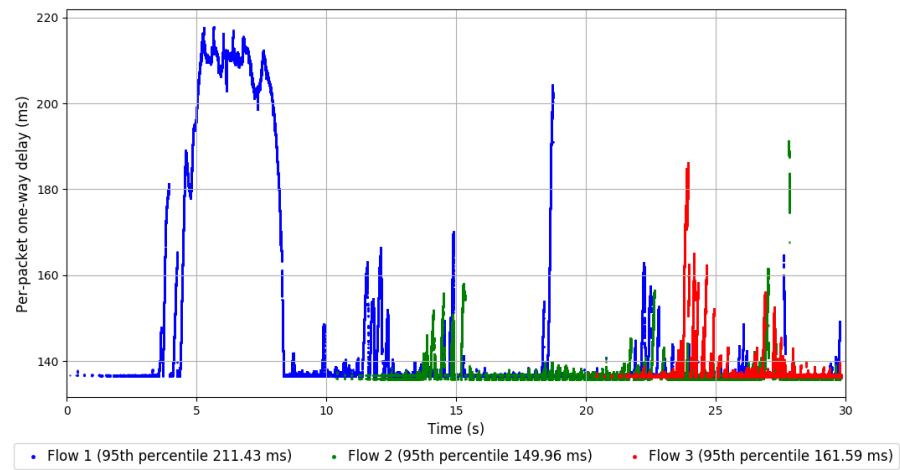
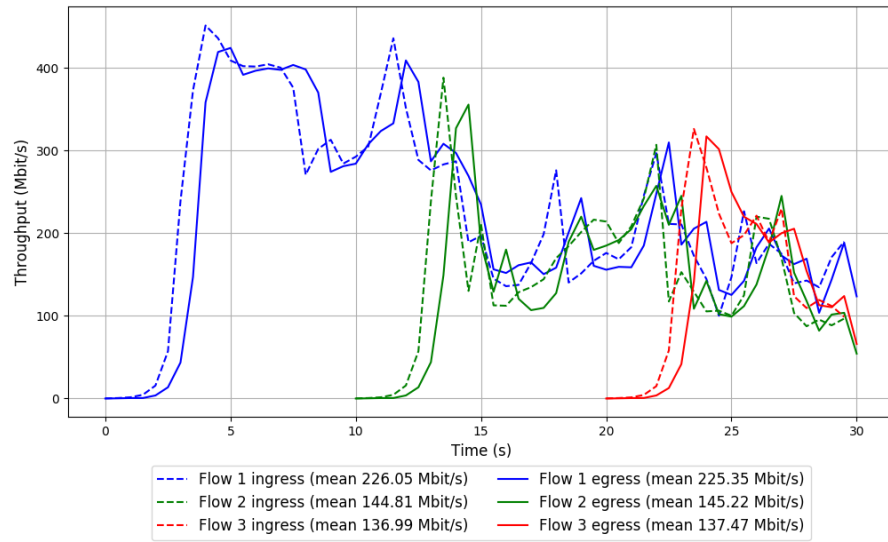
-- Flow 3:

Average throughput: 137.47 Mbit/s

95th percentile per-packet one-way delay: 161.593 ms

Loss rate: 2.40%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-02 20:23:09

End at: 2018-08-02 20:23:39

Local clock offset: -0.019 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.74 Mbit/s

95th percentile per-packet one-way delay: 140.091 ms

Loss rate: 1.44%

-- Flow 1:

Average throughput: 57.43 Mbit/s

95th percentile per-packet one-way delay: 140.287 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 45.70 Mbit/s

95th percentile per-packet one-way delay: 138.432 ms

Loss rate: 1.81%

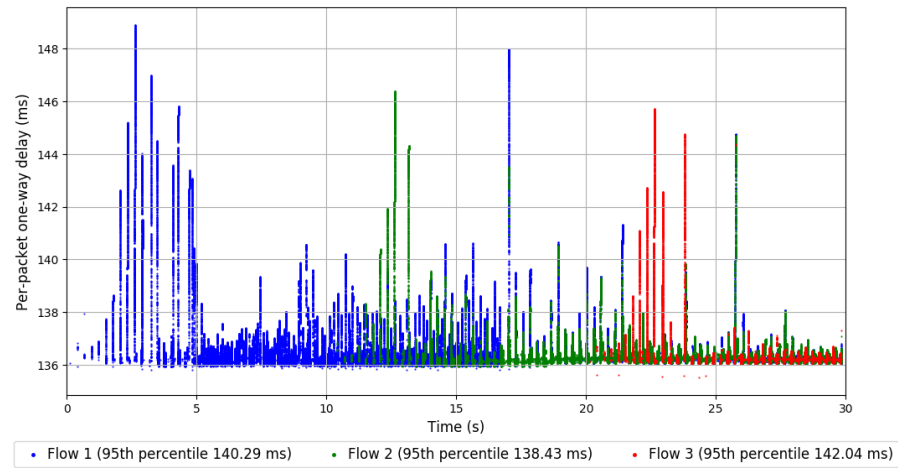
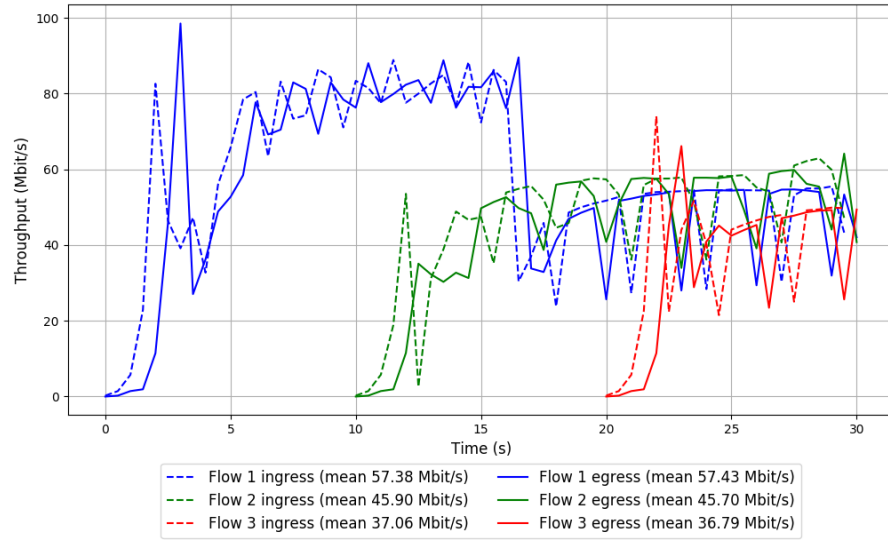
-- Flow 3:

Average throughput: 36.79 Mbit/s

95th percentile per-packet one-way delay: 142.036 ms

Loss rate: 3.39%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-02 20:50:07

End at: 2018-08-02 20:50:37

Local clock offset: 0.082 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 142.153 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 42.99 Mbit/s

95th percentile per-packet one-way delay: 140.126 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 43.16 Mbit/s

95th percentile per-packet one-way delay: 140.815 ms

Loss rate: 1.72%

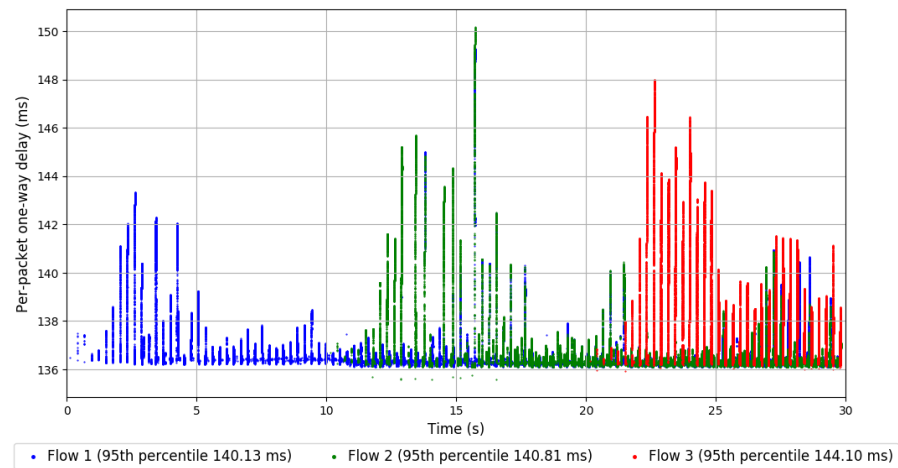
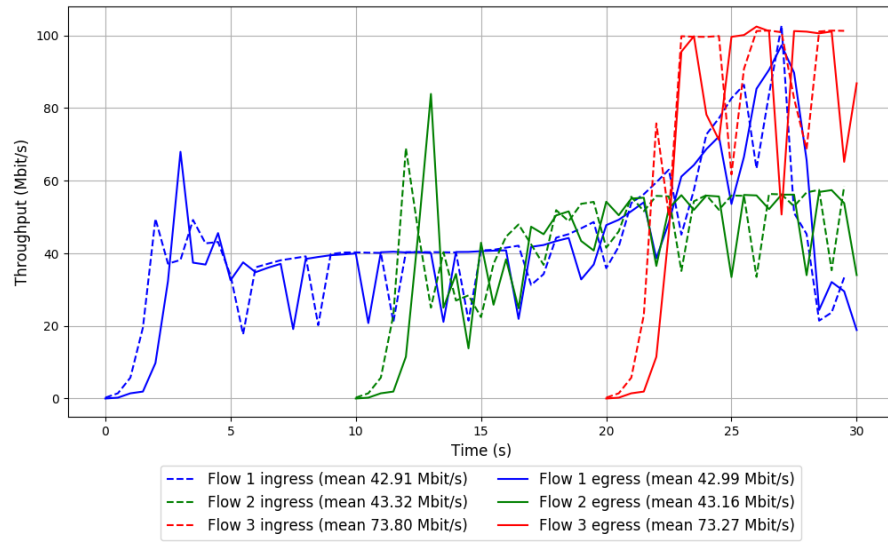
-- Flow 3:

Average throughput: 73.27 Mbit/s

95th percentile per-packet one-way delay: 144.101 ms

Loss rate: 3.45%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-02 21:17:57

End at: 2018-08-02 21:18:27

Local clock offset: 0.103 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.87 Mbit/s

95th percentile per-packet one-way delay: 139.087 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 139.356 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 42.58 Mbit/s

95th percentile per-packet one-way delay: 138.550 ms

Loss rate: 1.75%

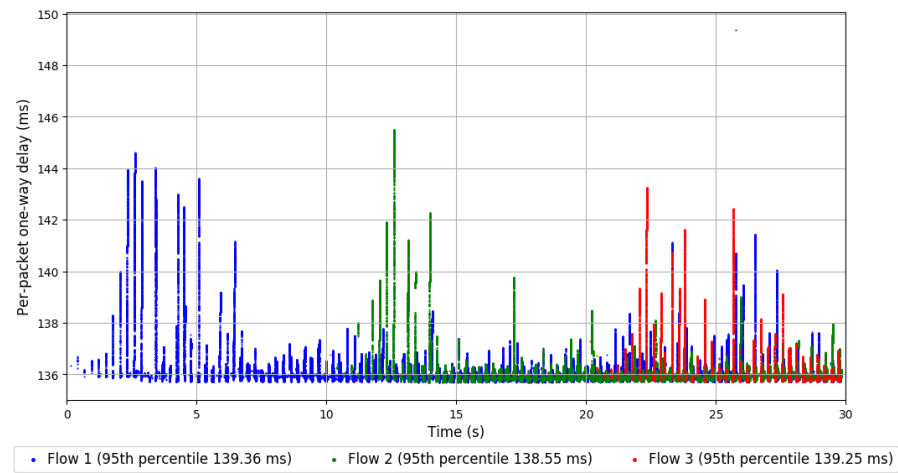
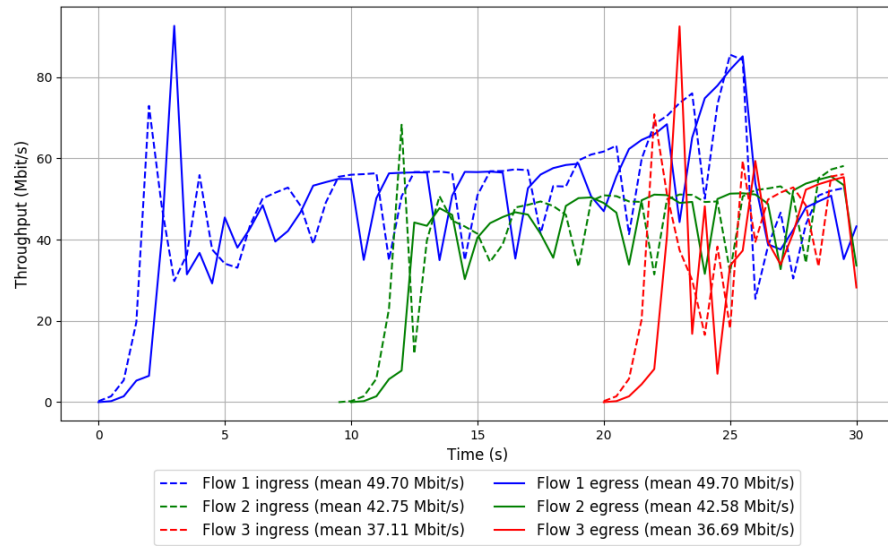
-- Flow 3:

Average throughput: 36.69 Mbit/s

95th percentile per-packet one-way delay: 139.248 ms

Loss rate: 3.83%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-02 21:44:59

End at: 2018-08-02 21:45:29

Local clock offset: -0.047 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 140.869 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 53.97 Mbit/s

95th percentile per-packet one-way delay: 141.529 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 40.77 Mbit/s

95th percentile per-packet one-way delay: 137.696 ms

Loss rate: 1.76%

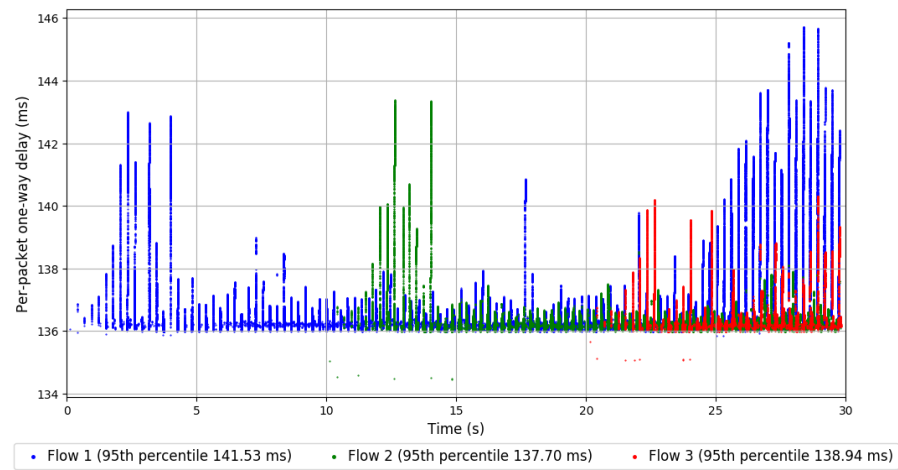
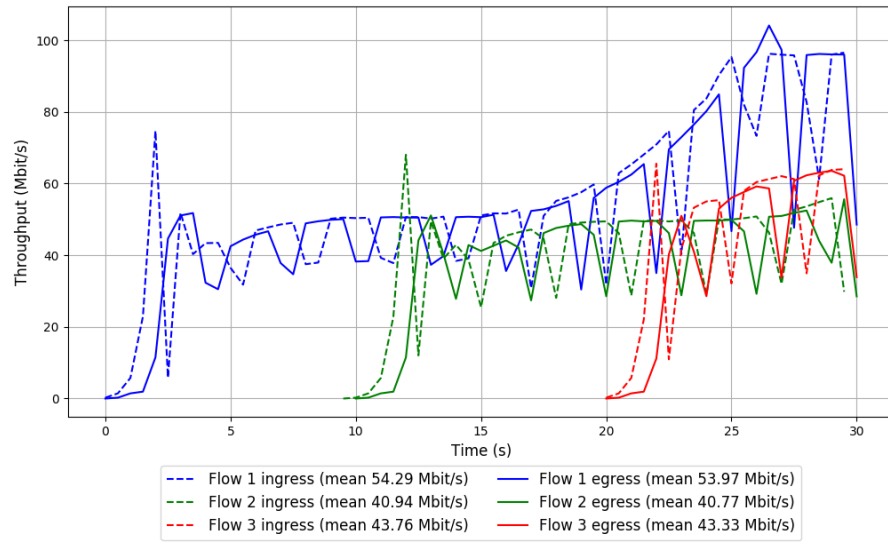
-- Flow 3:

Average throughput: 43.33 Mbit/s

95th percentile per-packet one-way delay: 138.938 ms

Loss rate: 3.68%

Run 4: Report of TCP Cubic — Data Link

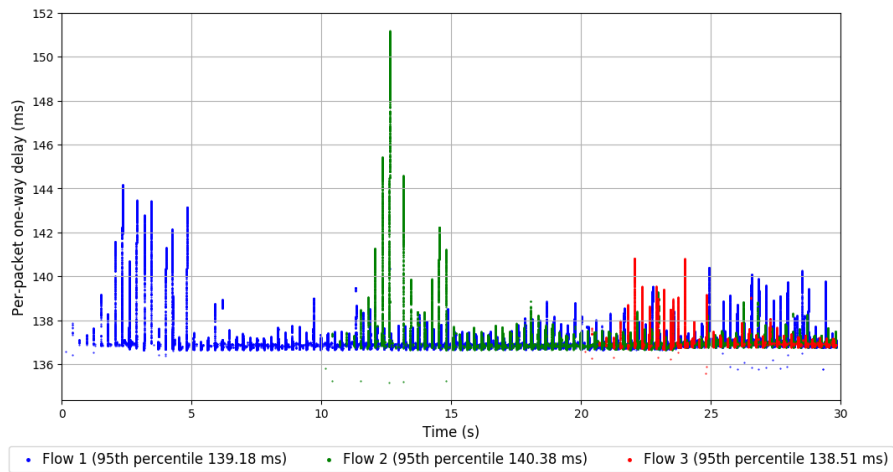
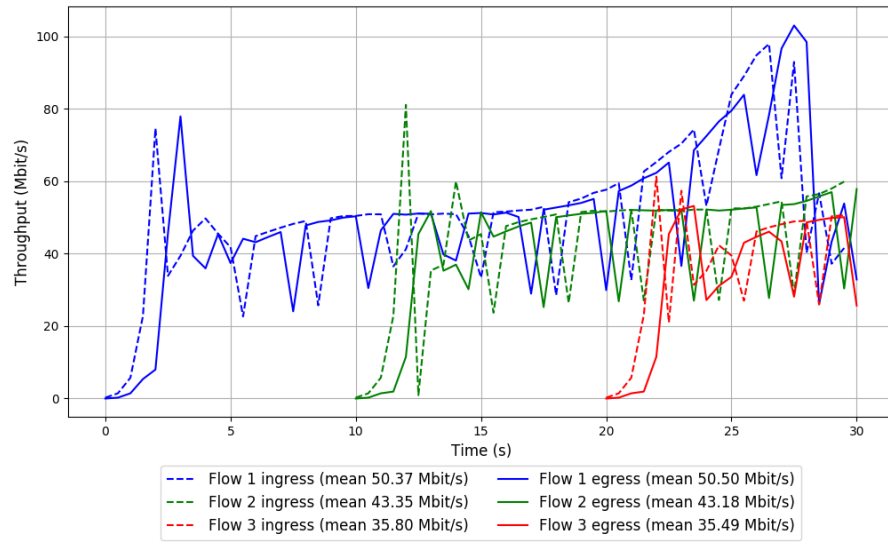


Run 5: Statistics of TCP Cubic

Start at: 2018-08-02 22:11:34
End at: 2018-08-02 22:12:04
Local clock offset: -0.109 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-08-03 01:27:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 139.244 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 139.182 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 140.382 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 138.512 ms
Loss rate: 3.56%

Run 5: Report of TCP Cubic — Data Link

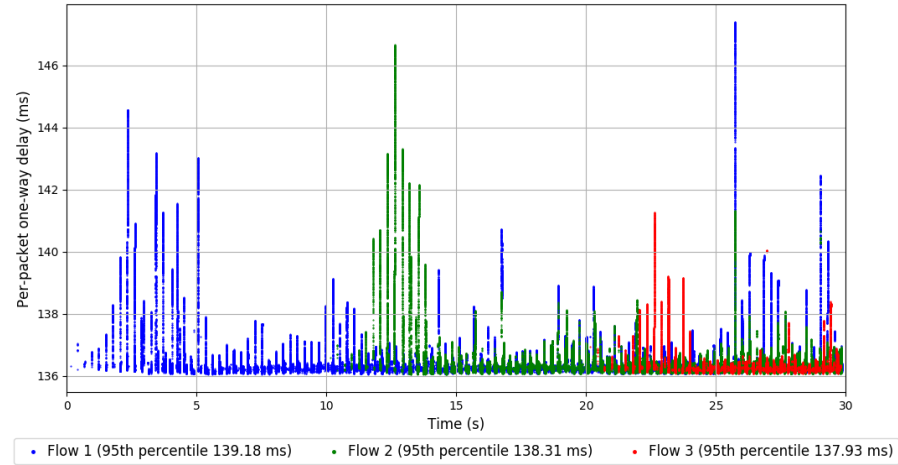
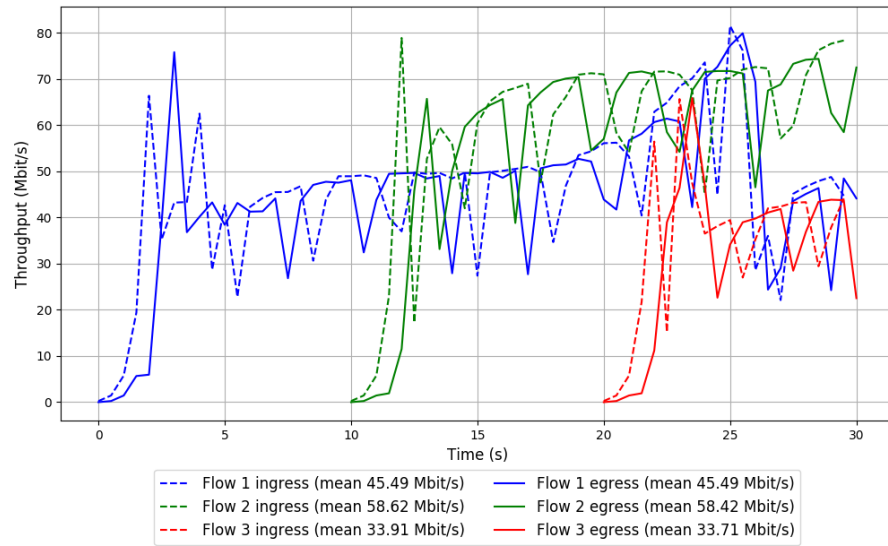


Run 6: Statistics of TCP Cubic

Start at: 2018-08-02 22:38:43
End at: 2018-08-02 22:39:13
Local clock offset: 0.169 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-08-03 01:27:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 138.772 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 139.181 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 58.42 Mbit/s
95th percentile per-packet one-way delay: 138.314 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 33.71 Mbit/s
95th percentile per-packet one-way delay: 137.926 ms
Loss rate: 3.29%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-02 23:05:57

End at: 2018-08-02 23:06:27

Local clock offset: -0.026 ms

Remote clock offset: 0.421 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.10 Mbit/s

95th percentile per-packet one-way delay: 144.307 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 49.06 Mbit/s

95th percentile per-packet one-way delay: 142.064 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 81.59 Mbit/s

95th percentile per-packet one-way delay: 145.347 ms

Loss rate: 1.55%

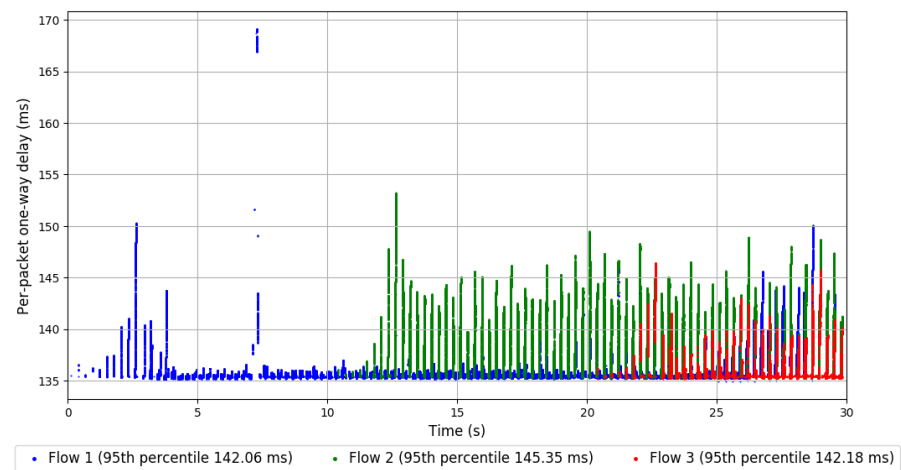
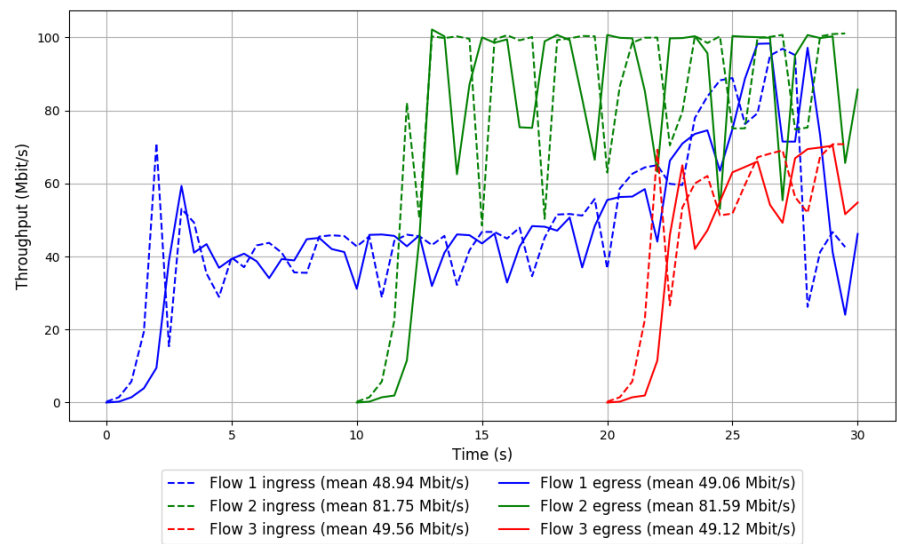
-- Flow 3:

Average throughput: 49.12 Mbit/s

95th percentile per-packet one-way delay: 142.182 ms

Loss rate: 3.61%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-02 23:33:07

End at: 2018-08-02 23:33:37

Local clock offset: 0.189 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.84 Mbit/s

95th percentile per-packet one-way delay: 144.539 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 84.25 Mbit/s

95th percentile per-packet one-way delay: 145.120 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 40.68 Mbit/s

95th percentile per-packet one-way delay: 141.585 ms

Loss rate: 1.70%

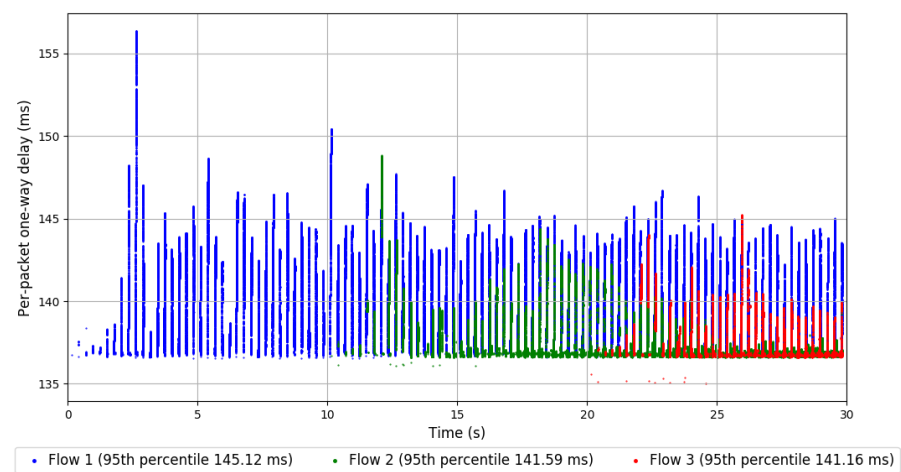
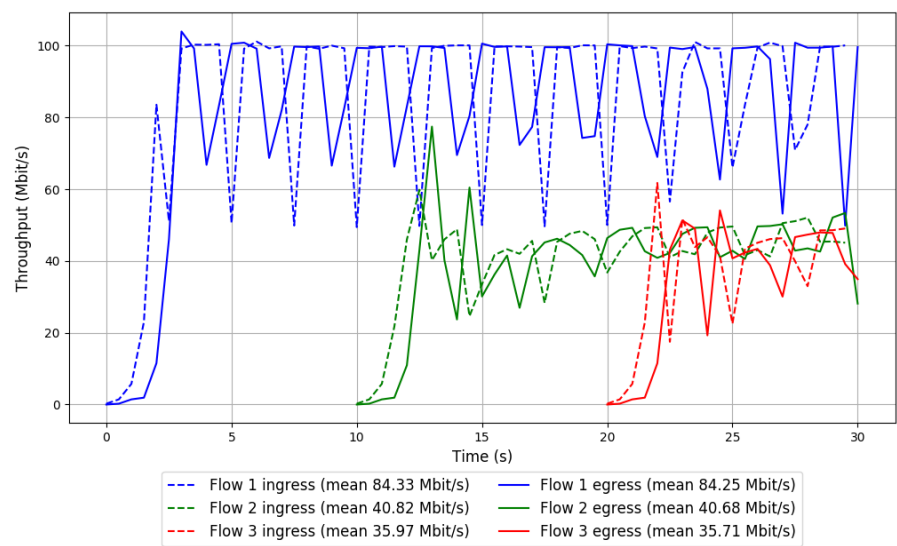
-- Flow 3:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 141.156 ms

Loss rate: 3.43%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-03 00:00:23

End at: 2018-08-03 00:00:53

Local clock offset: 0.041 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.12 Mbit/s

95th percentile per-packet one-way delay: 138.939 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 55.47 Mbit/s

95th percentile per-packet one-way delay: 138.745 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 52.89 Mbit/s

95th percentile per-packet one-way delay: 138.729 ms

Loss rate: 1.72%

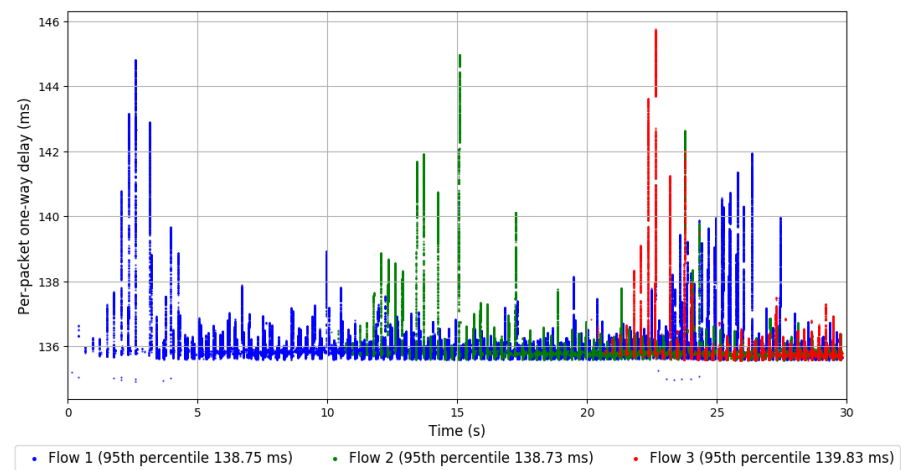
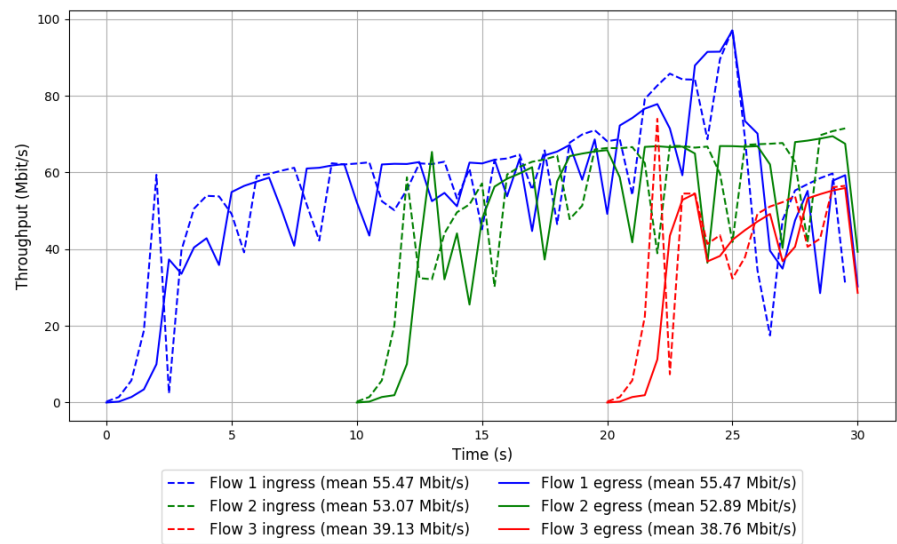
-- Flow 3:

Average throughput: 38.76 Mbit/s

95th percentile per-packet one-way delay: 139.829 ms

Loss rate: 3.65%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-03 00:28:01

End at: 2018-08-03 00:28:31

Local clock offset: 0.082 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-08-03 01:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 138.588 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 54.45 Mbit/s

95th percentile per-packet one-way delay: 139.369 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 138.372 ms

Loss rate: 1.75%

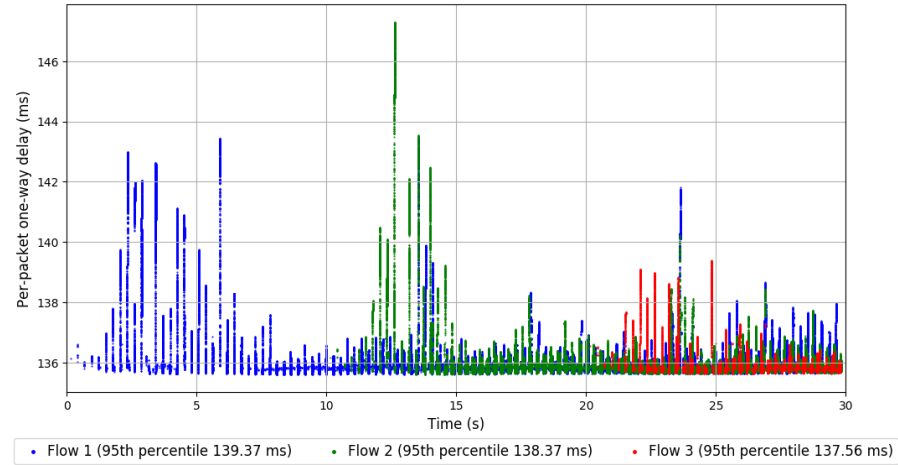
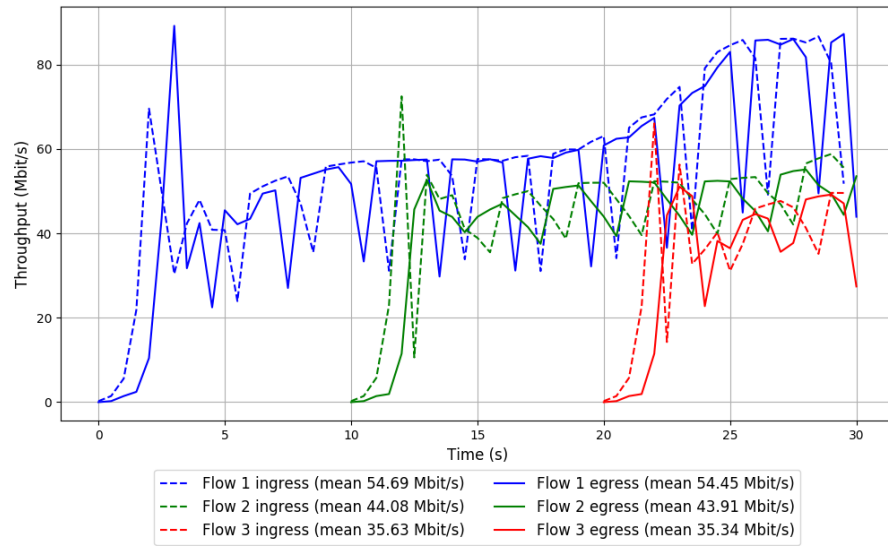
-- Flow 3:

Average throughput: 35.34 Mbit/s

95th percentile per-packet one-way delay: 137.565 ms

Loss rate: 3.53%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-02 20:18:26

End at: 2018-08-02 20:18:56

Local clock offset: 0.05 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at 2018-08-03 01:44:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 1094.36 Mbit/s

95th percentile per-packet one-way delay: 207.982 ms

Loss rate: 4.07%

-- Flow 1:

Average throughput: 682.41 Mbit/s

95th percentile per-packet one-way delay: 214.174 ms

Loss rate: 4.76%

-- Flow 2:

Average throughput: 396.75 Mbit/s

95th percentile per-packet one-way delay: 181.464 ms

Loss rate: 1.76%

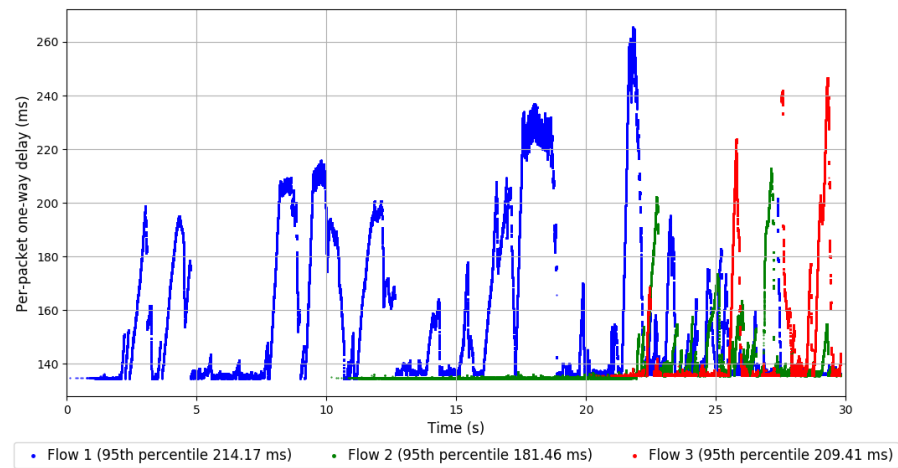
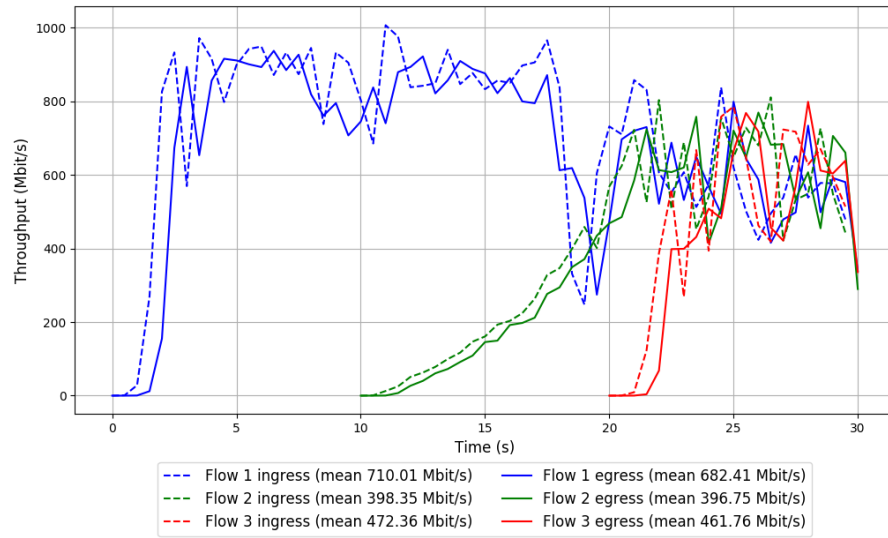
-- Flow 3:

Average throughput: 461.76 Mbit/s

95th percentile per-packet one-way delay: 209.414 ms

Loss rate: 4.85%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-02 20:45:16

End at: 2018-08-02 20:45:46

Local clock offset: -0.172 ms

Remote clock offset: 0.423 ms

Below is generated by plot.py at 2018-08-03 01:47:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1267.97 Mbit/s

95th percentile per-packet one-way delay: 210.190 ms

Loss rate: 2.00%

-- Flow 1:

Average throughput: 691.42 Mbit/s

95th percentile per-packet one-way delay: 213.744 ms

Loss rate: 1.87%

-- Flow 2:

Average throughput: 629.93 Mbit/s

95th percentile per-packet one-way delay: 169.650 ms

Loss rate: 1.20%

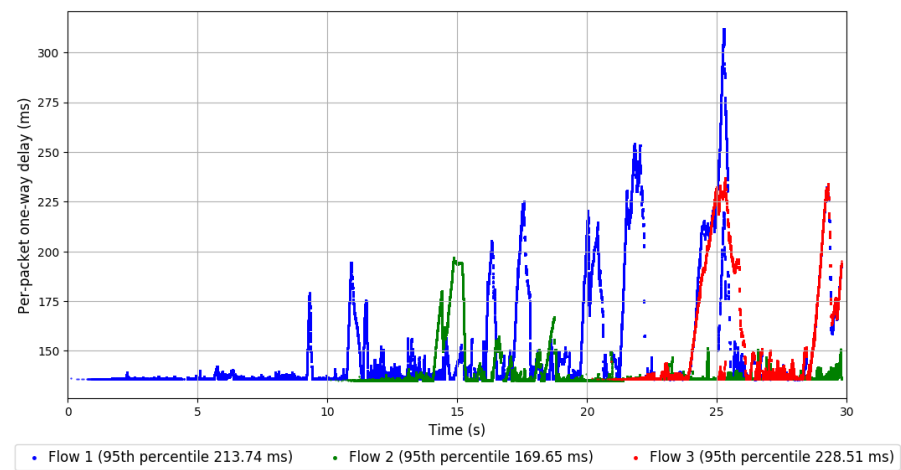
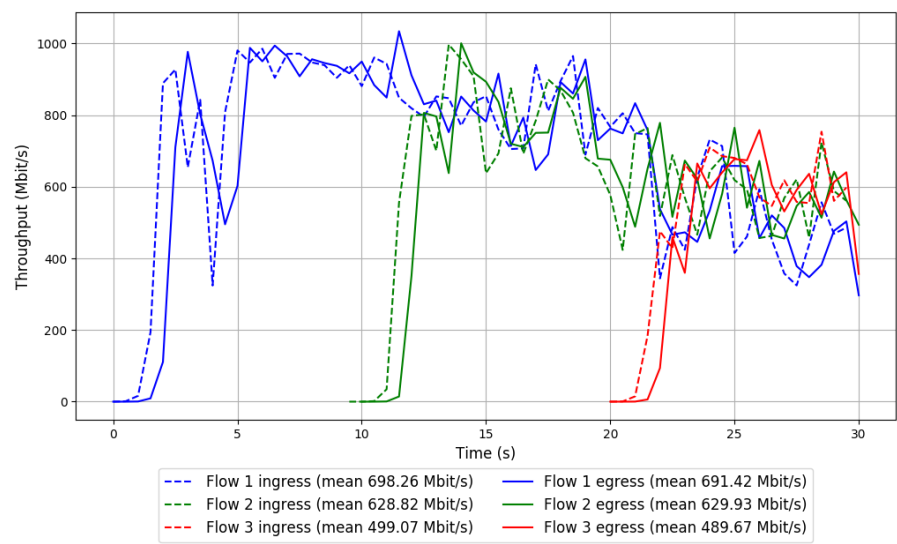
-- Flow 3:

Average throughput: 489.67 Mbit/s

95th percentile per-packet one-way delay: 228.513 ms

Loss rate: 4.59%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-02 21:13:06

End at: 2018-08-02 21:13:36

Local clock offset: 0.018 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-03 01:47:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1221.52 Mbit/s

95th percentile per-packet one-way delay: 246.432 ms

Loss rate: 2.12%

-- Flow 1:

Average throughput: 694.18 Mbit/s

95th percentile per-packet one-way delay: 242.600 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 547.67 Mbit/s

95th percentile per-packet one-way delay: 274.604 ms

Loss rate: 2.50%

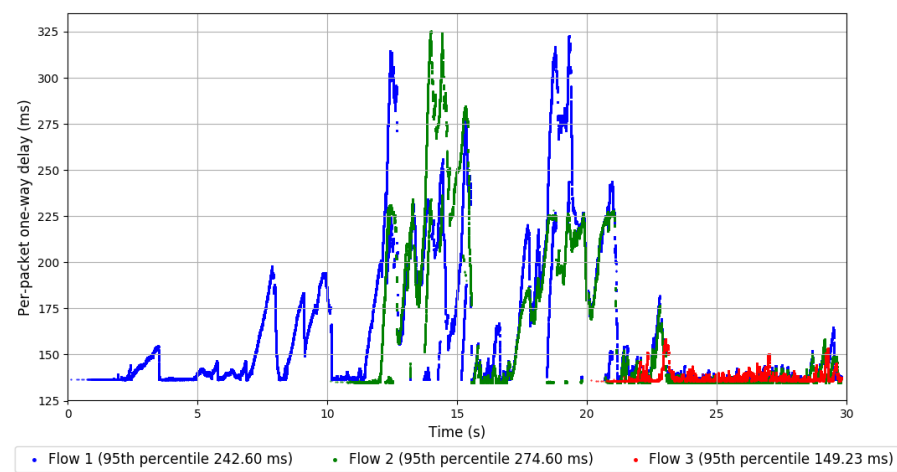
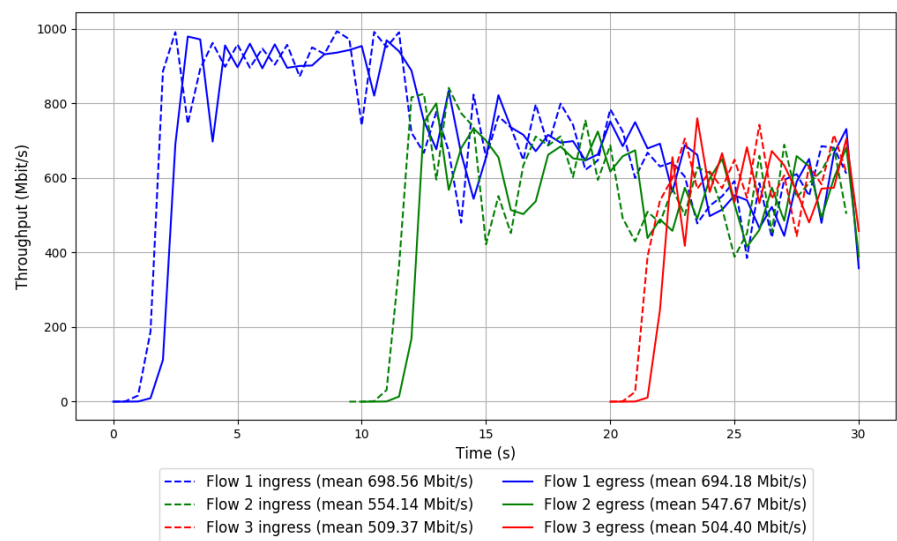
-- Flow 3:

Average throughput: 504.40 Mbit/s

95th percentile per-packet one-way delay: 149.232 ms

Loss rate: 3.69%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-02 21:40:09

End at: 2018-08-02 21:40:39

Local clock offset: 0.082 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-08-03 01:47:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 1253.15 Mbit/s

95th percentile per-packet one-way delay: 196.360 ms

Loss rate: 2.10%

-- Flow 1:

Average throughput: 704.46 Mbit/s

95th percentile per-packet one-way delay: 197.618 ms

Loss rate: 1.90%

-- Flow 2:

Average throughput: 601.91 Mbit/s

95th percentile per-packet one-way delay: 193.631 ms

Loss rate: 2.25%

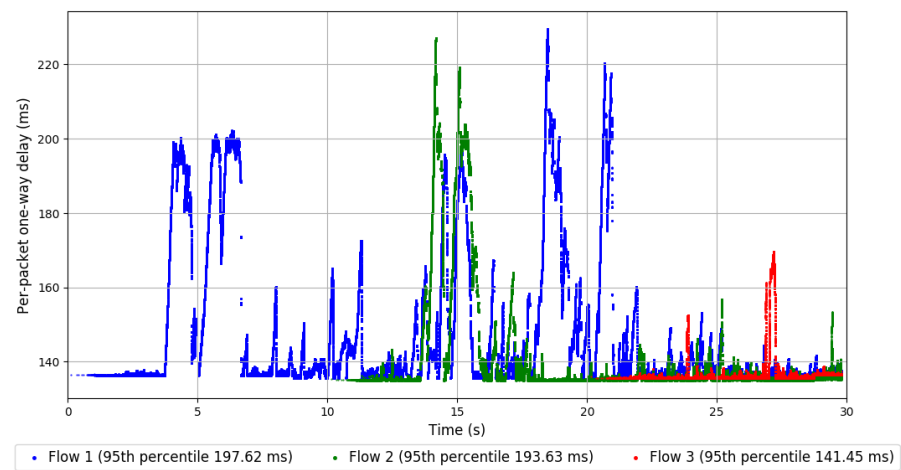
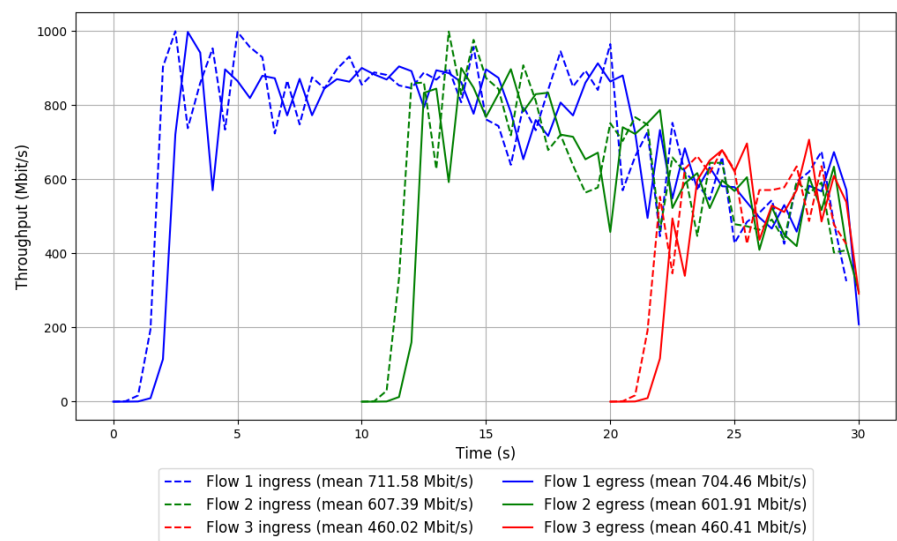
-- Flow 3:

Average throughput: 460.41 Mbit/s

95th percentile per-packet one-way delay: 141.447 ms

Loss rate: 2.64%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-02 22:06:41

End at: 2018-08-02 22:07:11

Local clock offset: 0.103 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-03 01:49:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 1300.48 Mbit/s

95th percentile per-packet one-way delay: 197.347 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 698.84 Mbit/s

95th percentile per-packet one-way delay: 201.604 ms

Loss rate: 3.14%

-- Flow 2:

Average throughput: 659.23 Mbit/s

95th percentile per-packet one-way delay: 194.841 ms

Loss rate: 2.49%

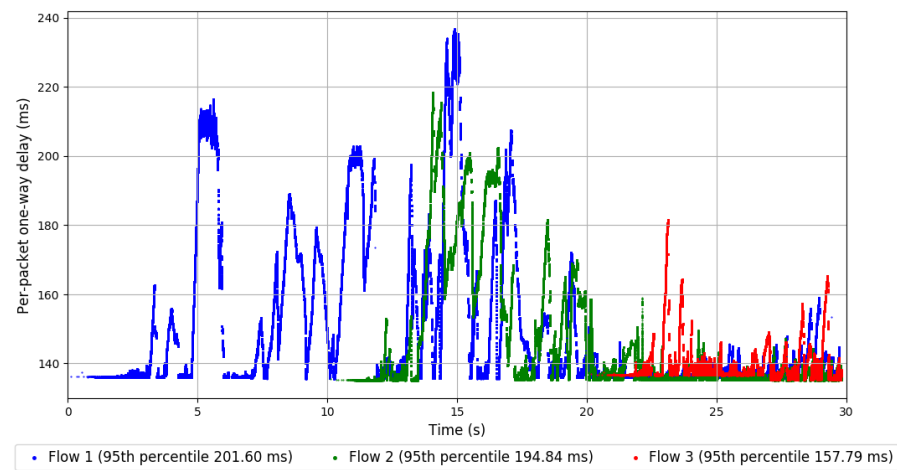
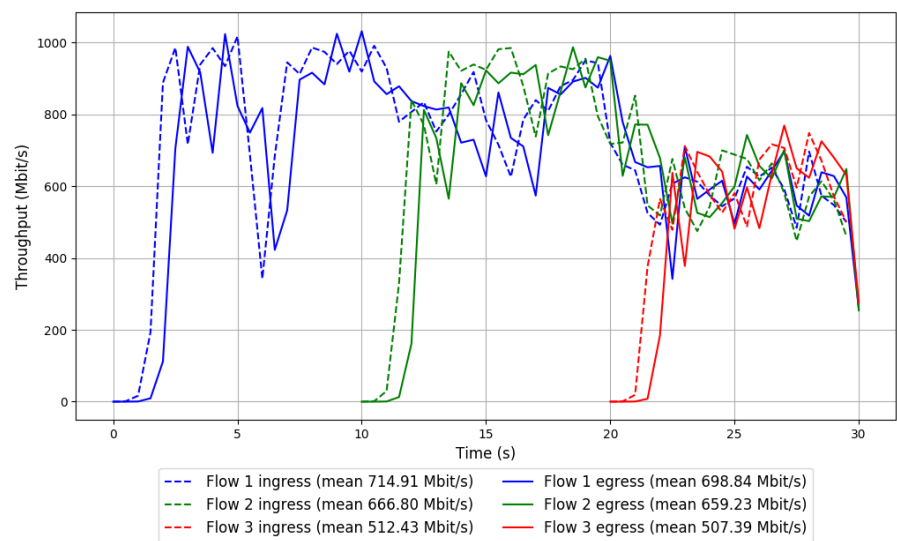
-- Flow 3:

Average throughput: 507.39 Mbit/s

95th percentile per-packet one-way delay: 157.791 ms

Loss rate: 3.65%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-02 22:33:51

End at: 2018-08-02 22:34:21

Local clock offset: 0.098 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-08-03 01:49:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1271.29 Mbit/s

95th percentile per-packet one-way delay: 256.195 ms

Loss rate: 2.59%

-- Flow 1:

Average throughput: 707.75 Mbit/s

95th percentile per-packet one-way delay: 234.833 ms

Loss rate: 1.65%

-- Flow 2:

Average throughput: 619.88 Mbit/s

95th percentile per-packet one-way delay: 272.704 ms

Loss rate: 2.92%

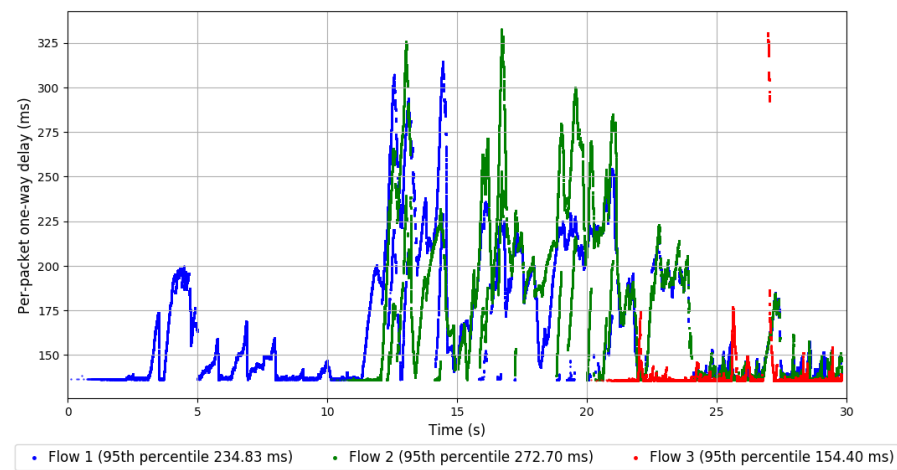
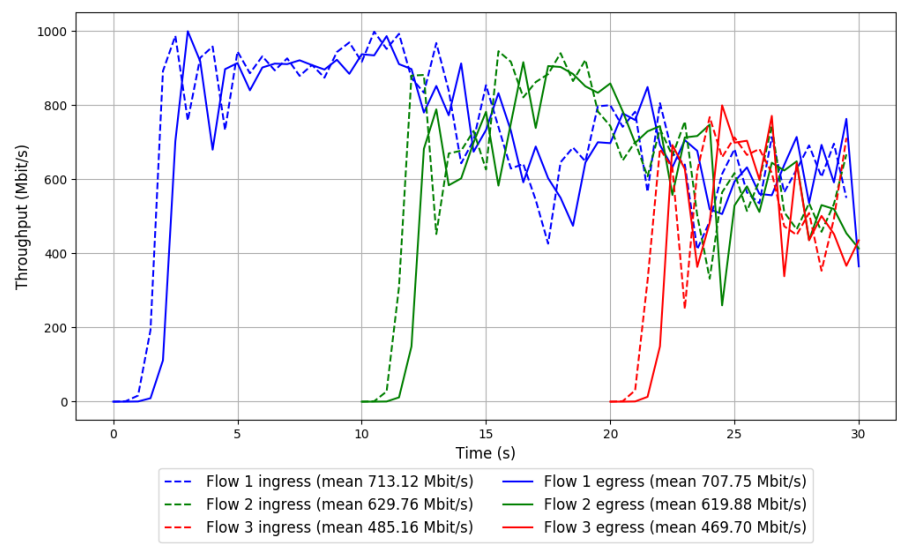
-- Flow 3:

Average throughput: 469.70 Mbit/s

95th percentile per-packet one-way delay: 154.396 ms

Loss rate: 5.85%

Run 6: Report of FillP — Data Link

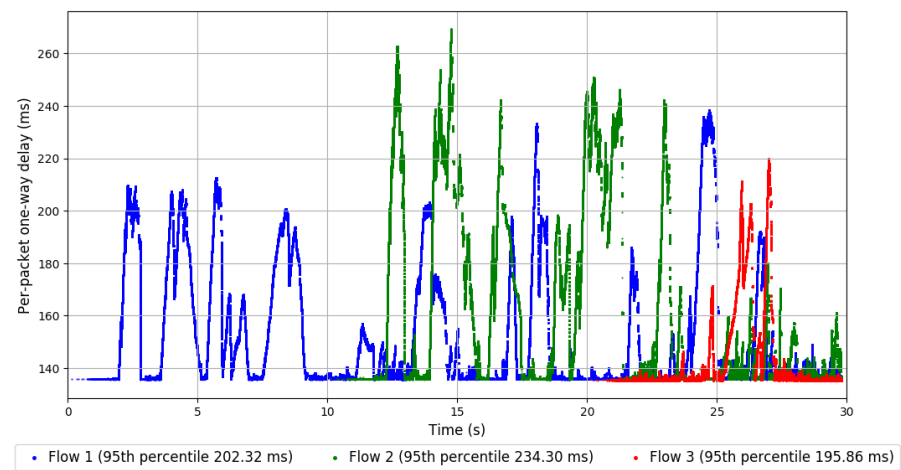
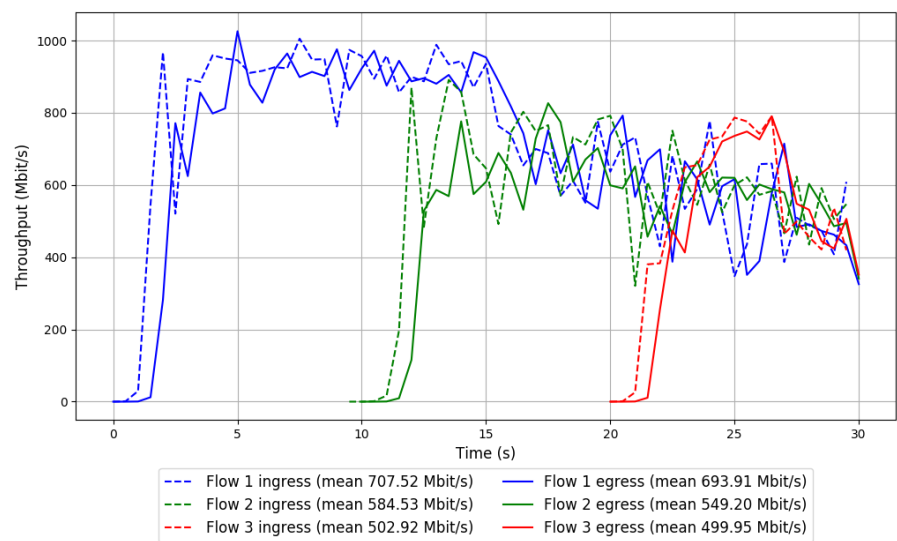


Run 7: Statistics of FillP

Start at: 2018-08-02 23:01:09
End at: 2018-08-02 23:01:39
Local clock offset: -0.042 ms
Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-08-03 01:50:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1220.57 Mbit/s
95th percentile per-packet one-way delay: 217.052 ms
Loss rate: 4.27%
-- Flow 1:
Average throughput: 693.91 Mbit/s
95th percentile per-packet one-way delay: 202.323 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 549.20 Mbit/s
95th percentile per-packet one-way delay: 234.301 ms
Loss rate: 7.33%
-- Flow 3:
Average throughput: 499.95 Mbit/s
95th percentile per-packet one-way delay: 195.859 ms
Loss rate: 3.31%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-02 23:28:16

End at: 2018-08-02 23:28:46

Local clock offset: 0.077 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-08-03 01:51:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1214.94 Mbit/s

95th percentile per-packet one-way delay: 179.901 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 705.33 Mbit/s

95th percentile per-packet one-way delay: 180.982 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 550.34 Mbit/s

95th percentile per-packet one-way delay: 185.637 ms

Loss rate: 1.57%

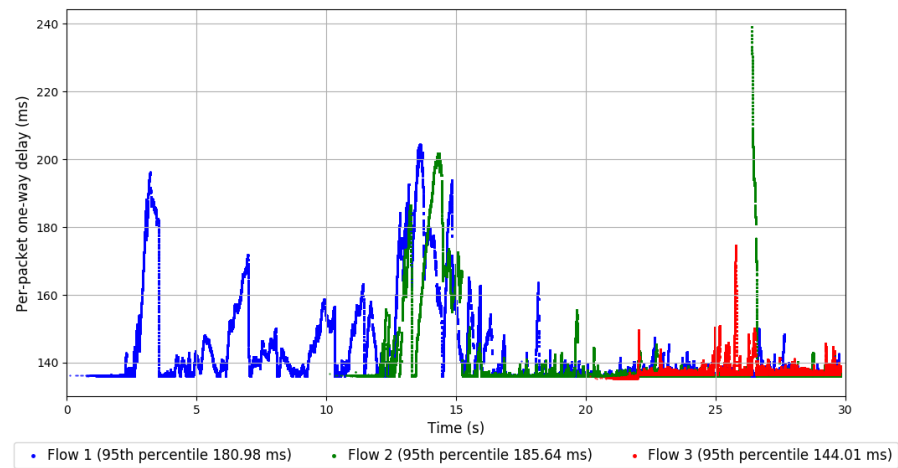
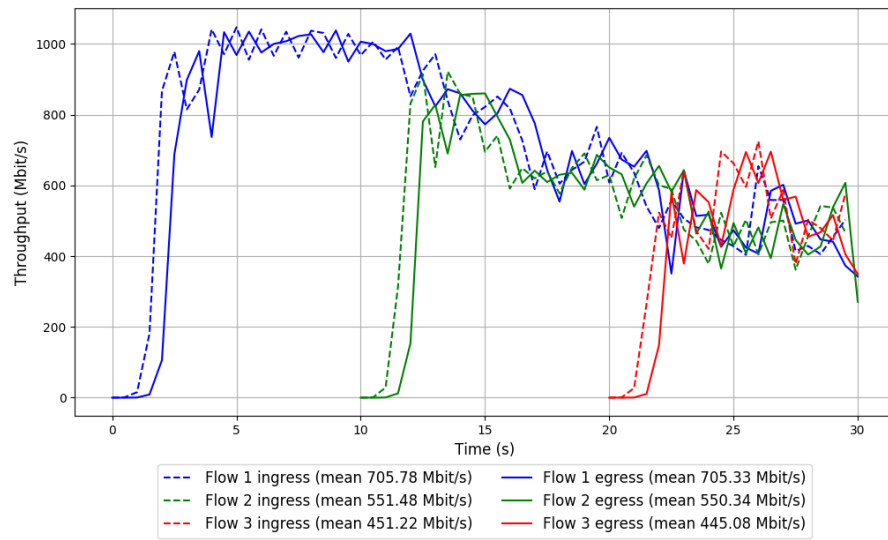
-- Flow 3:

Average throughput: 445.08 Mbit/s

95th percentile per-packet one-way delay: 144.015 ms

Loss rate: 4.07%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-02 23:55:39

End at: 2018-08-02 23:56:09

Local clock offset: -0.05 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-08-03 02:06:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 1101.94 Mbit/s

95th percentile per-packet one-way delay: 201.846 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 650.53 Mbit/s

95th percentile per-packet one-way delay: 206.399 ms

Loss rate: 2.73%

-- Flow 2:

Average throughput: 472.03 Mbit/s

95th percentile per-packet one-way delay: 192.186 ms

Loss rate: 0.87%

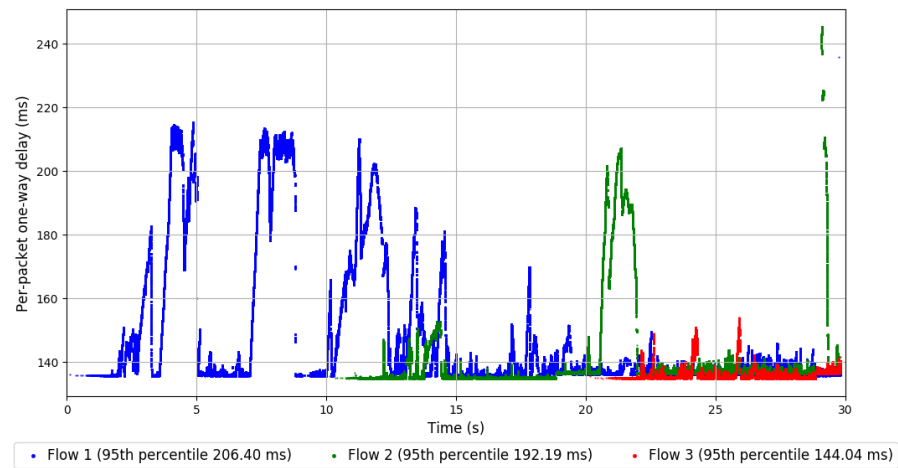
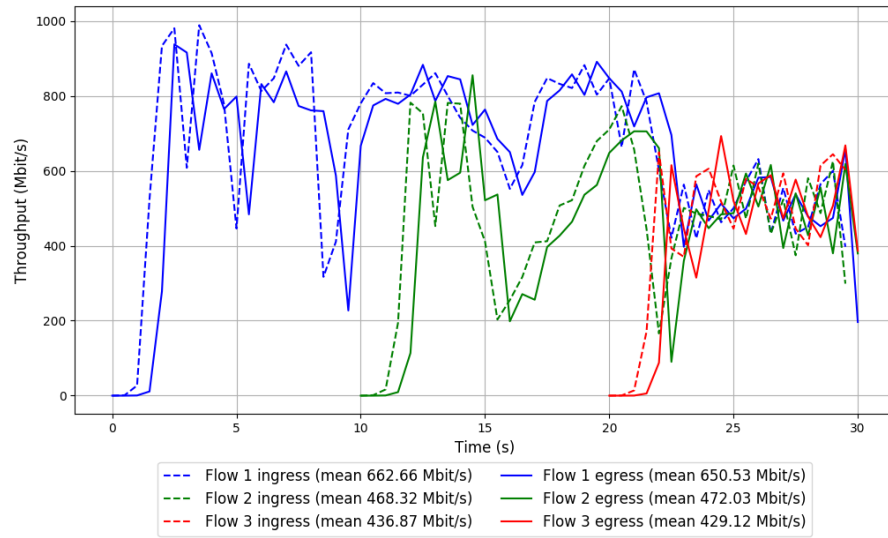
-- Flow 3:

Average throughput: 429.12 Mbit/s

95th percentile per-packet one-way delay: 144.040 ms

Loss rate: 4.48%

Run 9: Report of FillP — Data Link

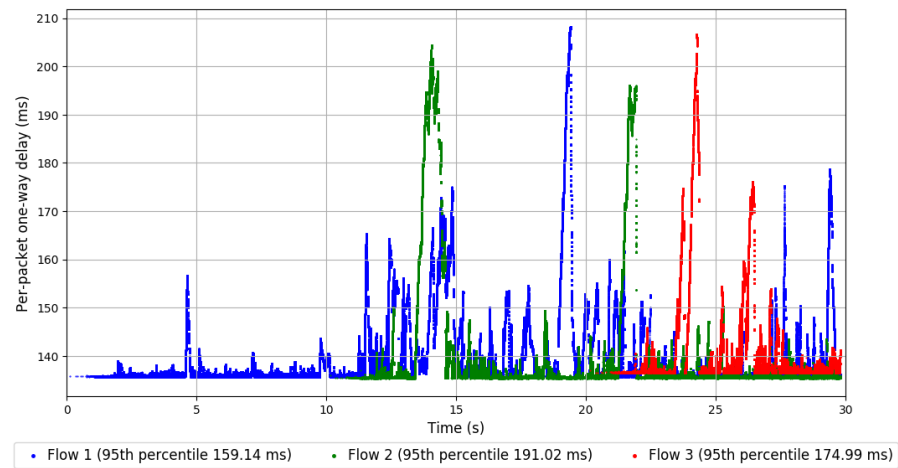
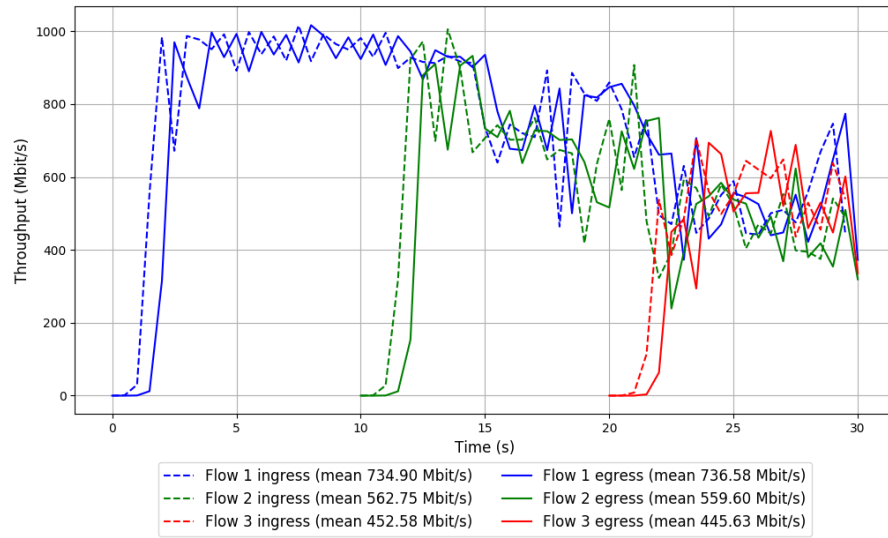


Run 10: Statistics of FillP

Start at: 2018-08-03 00:23:12
End at: 2018-08-03 00:23:42
Local clock offset: 0.046 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-03 02:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 1251.96 Mbit/s
95th percentile per-packet one-way delay: 170.035 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 736.58 Mbit/s
95th percentile per-packet one-way delay: 159.138 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 559.60 Mbit/s
95th percentile per-packet one-way delay: 191.019 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 445.63 Mbit/s
95th percentile per-packet one-way delay: 174.994 ms
Loss rate: 4.24%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-02 20:27:30

End at: 2018-08-02 20:28:00

Local clock offset: 0.105 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2018-08-03 02:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1127.23 Mbit/s

95th percentile per-packet one-way delay: 192.219 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 650.81 Mbit/s

95th percentile per-packet one-way delay: 194.635 ms

Loss rate: 1.56%

-- Flow 2:

Average throughput: 519.52 Mbit/s

95th percentile per-packet one-way delay: 171.054 ms

Loss rate: 1.63%

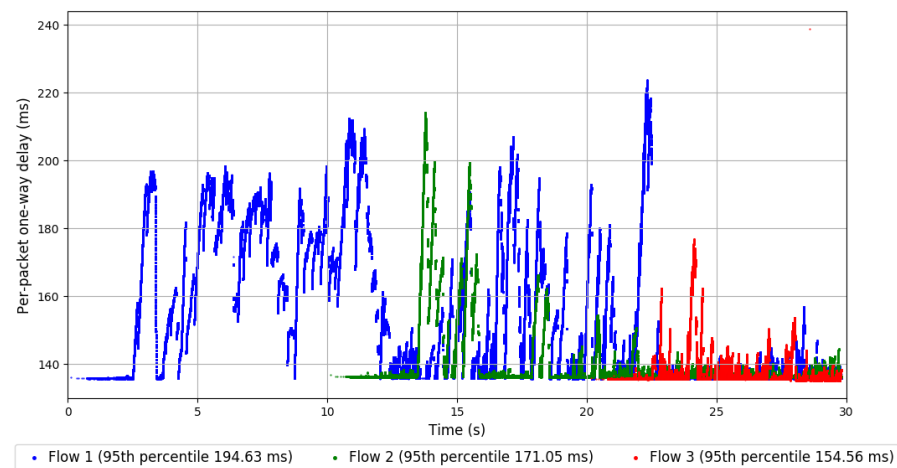
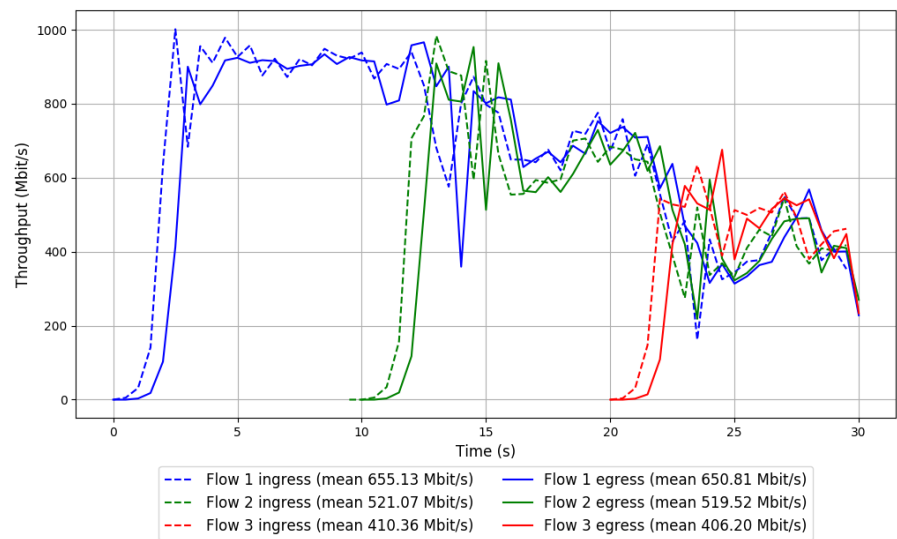
-- Flow 3:

Average throughput: 406.20 Mbit/s

95th percentile per-packet one-way delay: 154.565 ms

Loss rate: 3.75%

Run 1: Report of FillP-Sheep — Data Link

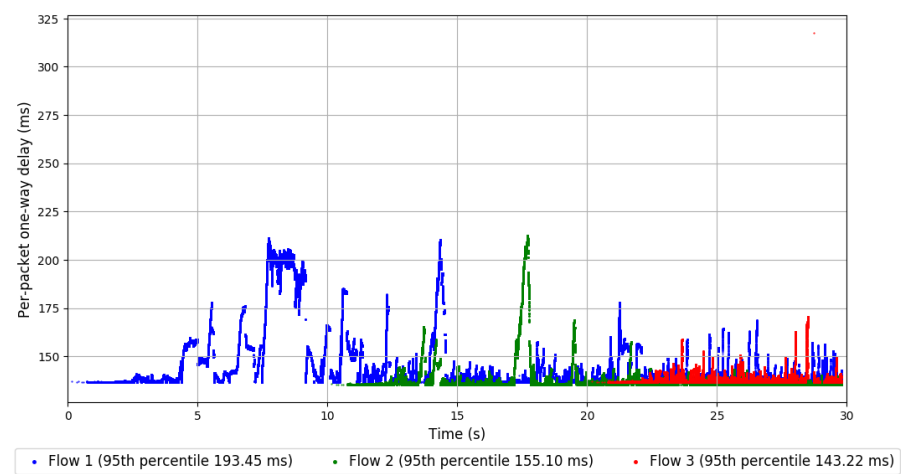
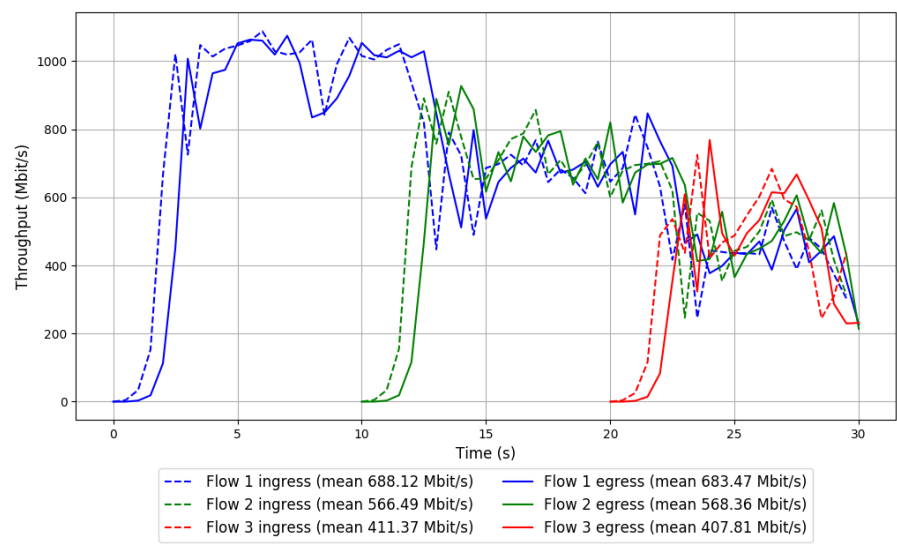


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-02 20:54:28
End at: 2018-08-02 20:54:58
Local clock offset: 0.15 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-08-03 02:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 1192.16 Mbit/s
95th percentile per-packet one-way delay: 182.007 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 683.47 Mbit/s
95th percentile per-packet one-way delay: 193.446 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 568.36 Mbit/s
95th percentile per-packet one-way delay: 155.099 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 407.81 Mbit/s
95th percentile per-packet one-way delay: 143.225 ms
Loss rate: 3.59%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-02 21:22:18

End at: 2018-08-02 21:22:48

Local clock offset: 0.033 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-03 02:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1065.56 Mbit/s

95th percentile per-packet one-way delay: 191.974 ms

Loss rate: 2.05%

-- Flow 1:

Average throughput: 623.76 Mbit/s

95th percentile per-packet one-way delay: 195.873 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 485.58 Mbit/s

95th percentile per-packet one-way delay: 141.293 ms

Loss rate: 1.33%

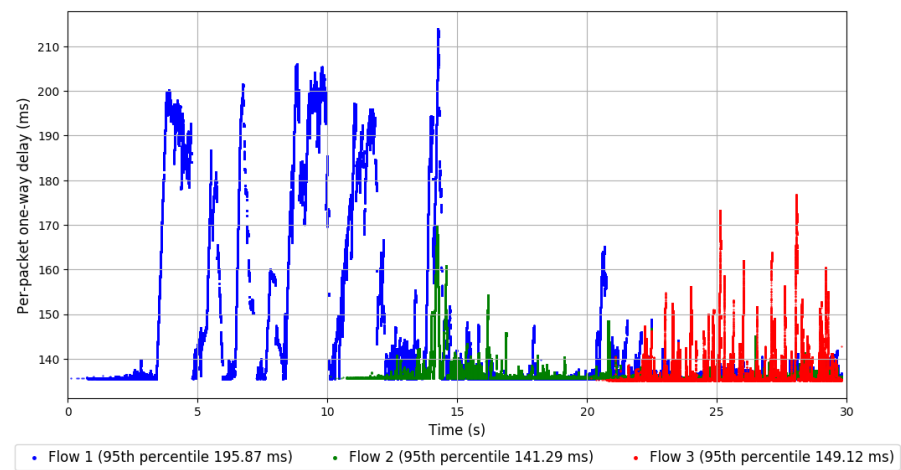
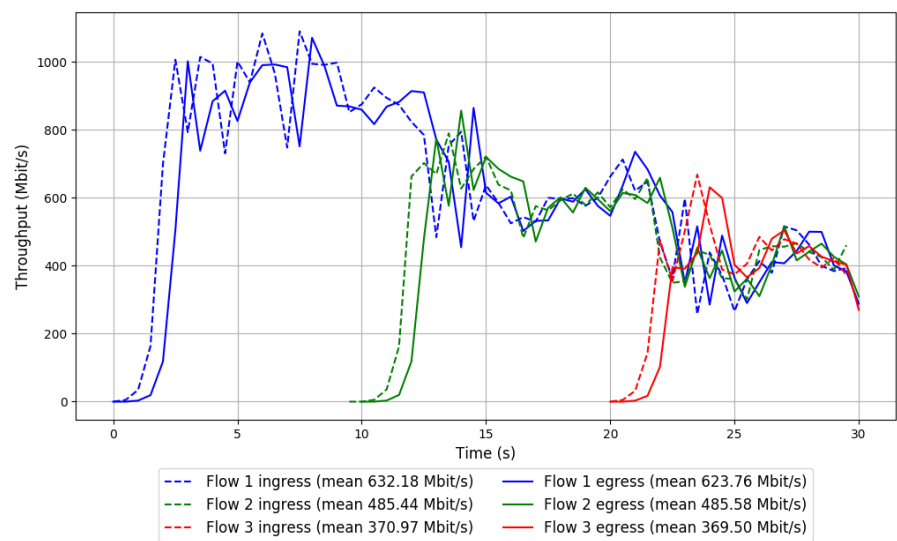
-- Flow 3:

Average throughput: 369.50 Mbit/s

95th percentile per-packet one-way delay: 149.115 ms

Loss rate: 3.04%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-02 21:49:18

End at: 2018-08-02 21:49:48

Local clock offset: 0.071 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-08-03 02:11:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 1158.21 Mbit/s

95th percentile per-packet one-way delay: 175.389 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 671.88 Mbit/s

95th percentile per-packet one-way delay: 184.662 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 530.57 Mbit/s

95th percentile per-packet one-way delay: 161.867 ms

Loss rate: 1.03%

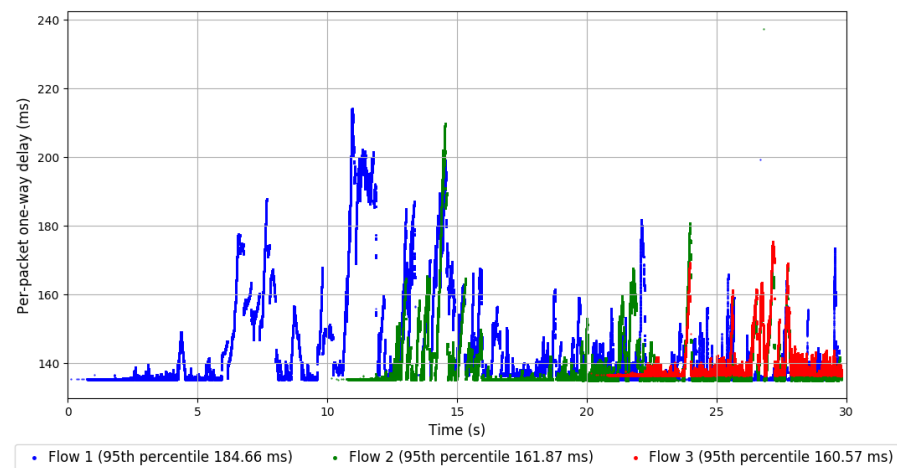
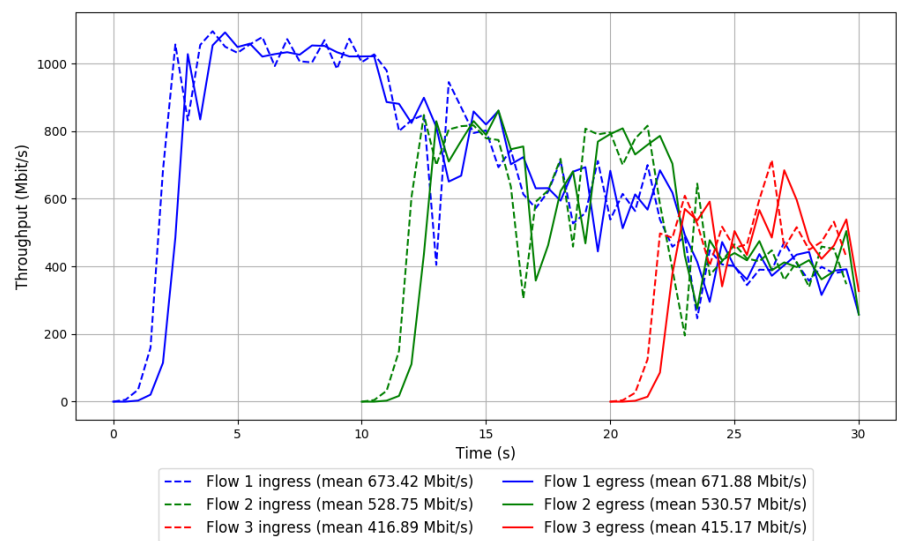
-- Flow 3:

Average throughput: 415.17 Mbit/s

95th percentile per-packet one-way delay: 160.570 ms

Loss rate: 3.16%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-02 22:15:56

End at: 2018-08-02 22:16:26

Local clock offset: -0.186 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-08-03 02:12:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1136.20 Mbit/s

95th percentile per-packet one-way delay: 188.099 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 664.61 Mbit/s

95th percentile per-packet one-way delay: 192.402 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 505.35 Mbit/s

95th percentile per-packet one-way delay: 167.368 ms

Loss rate: 2.14%

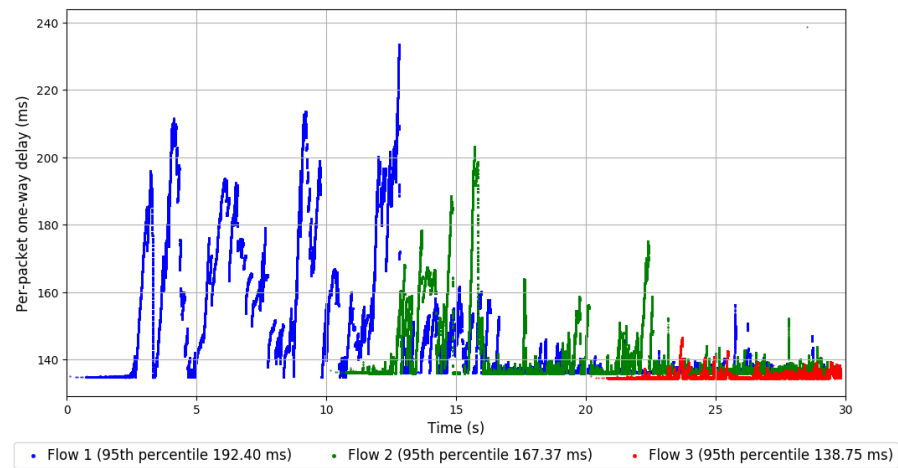
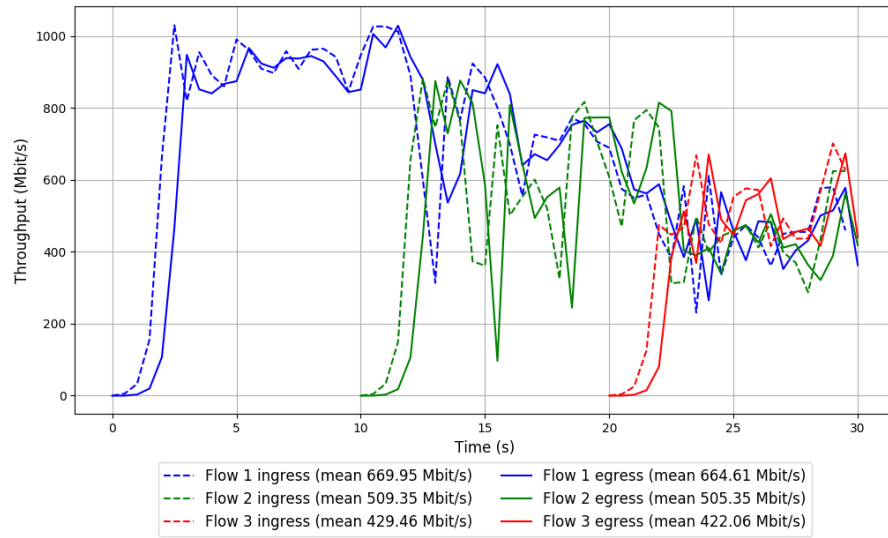
-- Flow 3:

Average throughput: 422.06 Mbit/s

95th percentile per-packet one-way delay: 138.752 ms

Loss rate: 4.42%

Run 5: Report of FillP-Sheep — Data Link

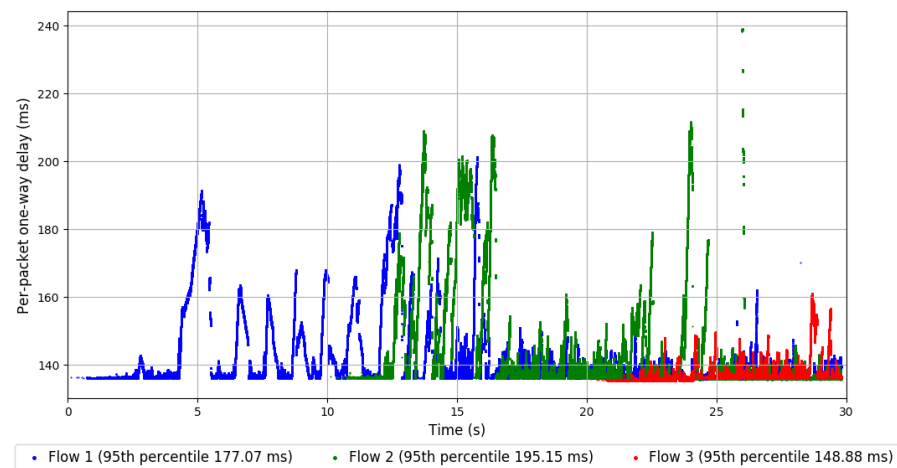
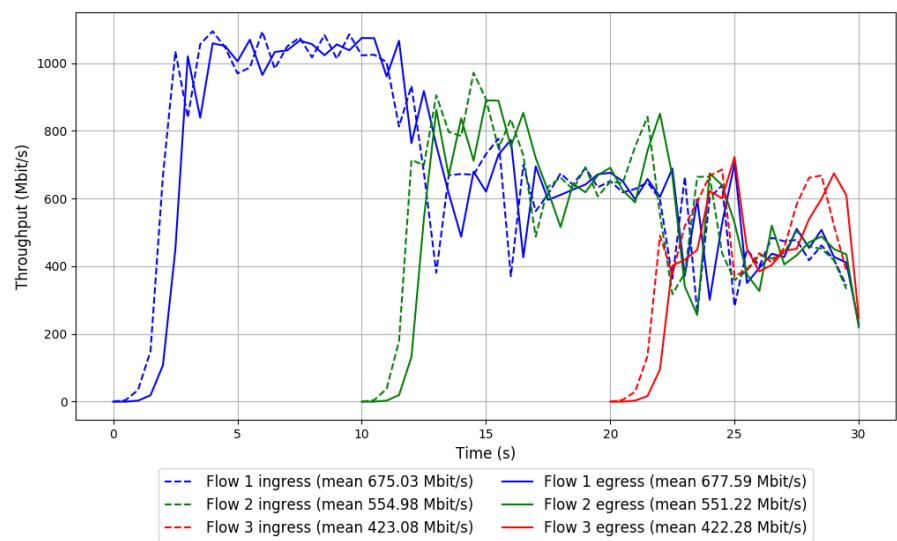


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-02 22:43:04
End at: 2018-08-02 22:43:34
Local clock offset: 0.207 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-03 02:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1179.91 Mbit/s
95th percentile per-packet one-way delay: 182.838 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 677.59 Mbit/s
95th percentile per-packet one-way delay: 177.071 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 551.22 Mbit/s
95th percentile per-packet one-way delay: 195.146 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 422.28 Mbit/s
95th percentile per-packet one-way delay: 148.875 ms
Loss rate: 2.94%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-02 23:10:16

End at: 2018-08-02 23:10:46

Local clock offset: 0.058 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-08-03 02:27:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 1023.31 Mbit/s

95th percentile per-packet one-way delay: 271.373 ms

Loss rate: 2.32%

-- Flow 1:

Average throughput: 571.15 Mbit/s

95th percentile per-packet one-way delay: 246.975 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 495.93 Mbit/s

95th percentile per-packet one-way delay: 304.100 ms

Loss rate: 3.58%

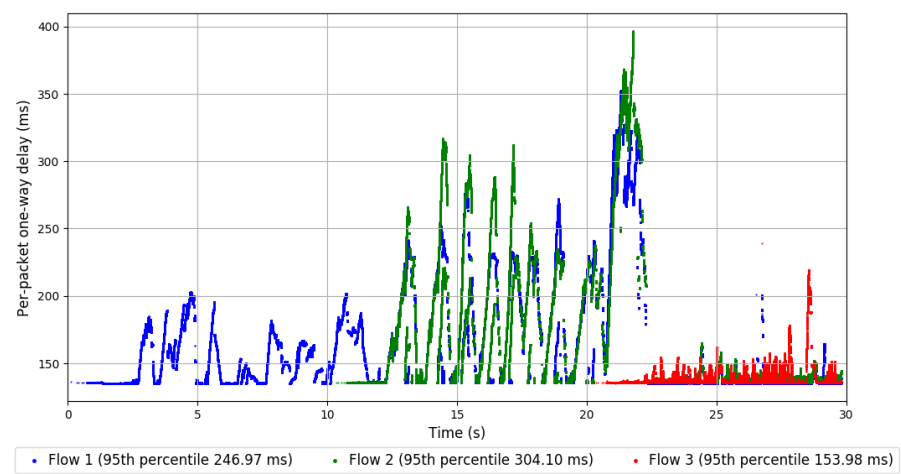
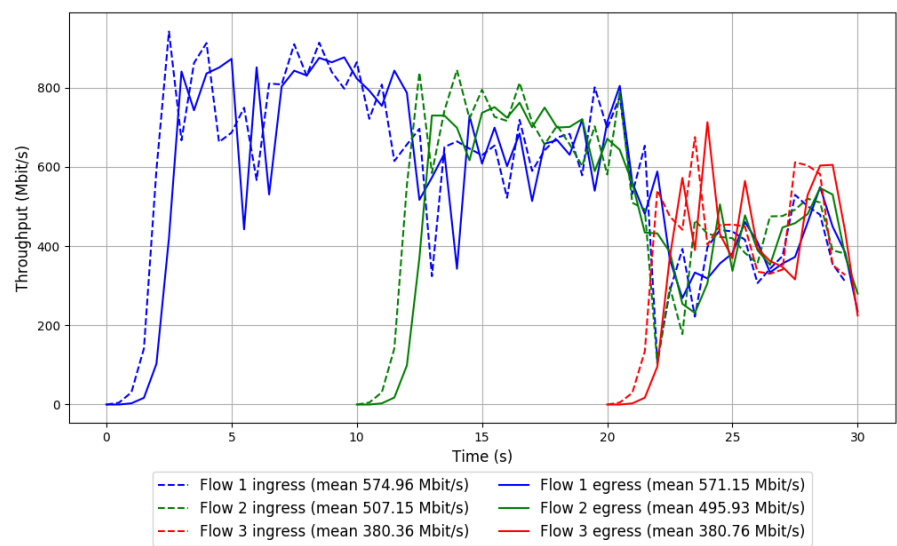
-- Flow 3:

Average throughput: 380.76 Mbit/s

95th percentile per-packet one-way delay: 153.976 ms

Loss rate: 2.62%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-02 23:37:31

End at: 2018-08-02 23:38:01

Local clock offset: 0.186 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-08-03 02:30:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 1073.29 Mbit/s

95th percentile per-packet one-way delay: 229.410 ms

Loss rate: 5.21%

-- Flow 1:

Average throughput: 626.65 Mbit/s

95th percentile per-packet one-way delay: 220.479 ms

Loss rate: 4.24%

-- Flow 2:

Average throughput: 477.76 Mbit/s

95th percentile per-packet one-way delay: 245.209 ms

Loss rate: 7.98%

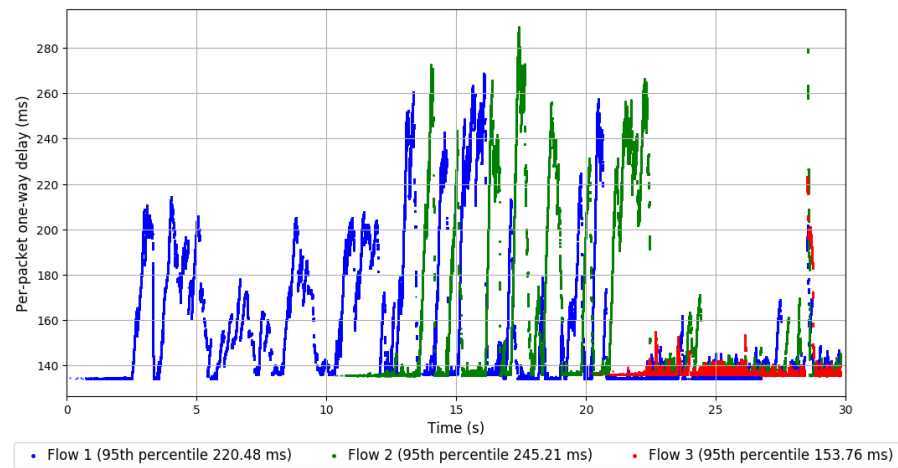
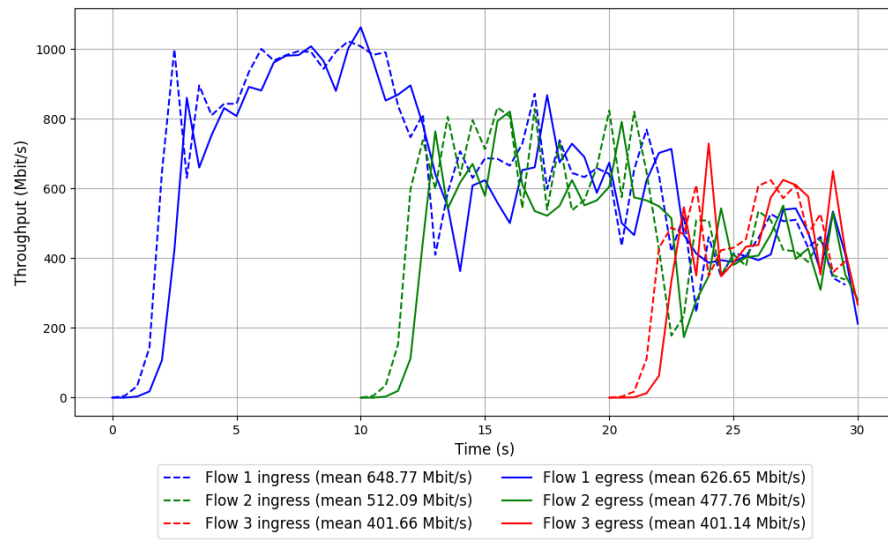
-- Flow 3:

Average throughput: 401.14 Mbit/s

95th percentile per-packet one-way delay: 153.757 ms

Loss rate: 2.85%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-03 00:04:45

End at: 2018-08-03 00:05:15

Local clock offset: 0.184 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-03 02:31:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1130.50 Mbit/s

95th percentile per-packet one-way delay: 195.864 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 649.30 Mbit/s

95th percentile per-packet one-way delay: 198.516 ms

Loss rate: 2.82%

-- Flow 2:

Average throughput: 518.33 Mbit/s

95th percentile per-packet one-way delay: 186.885 ms

Loss rate: 2.54%

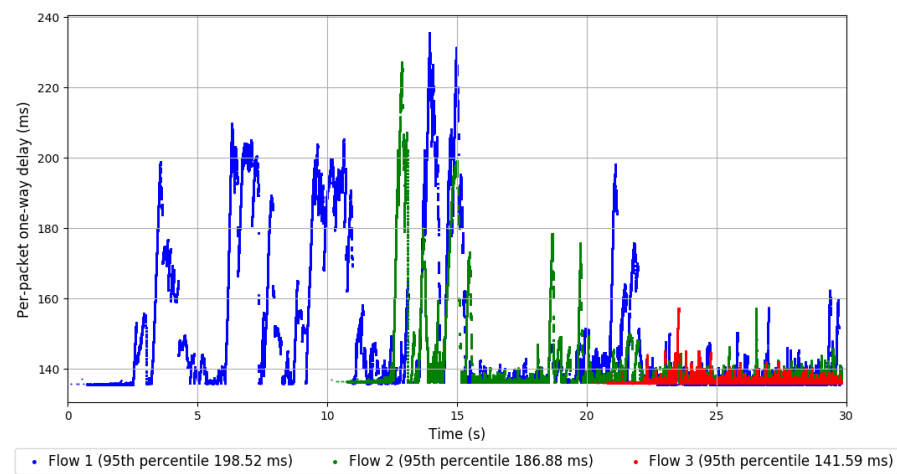
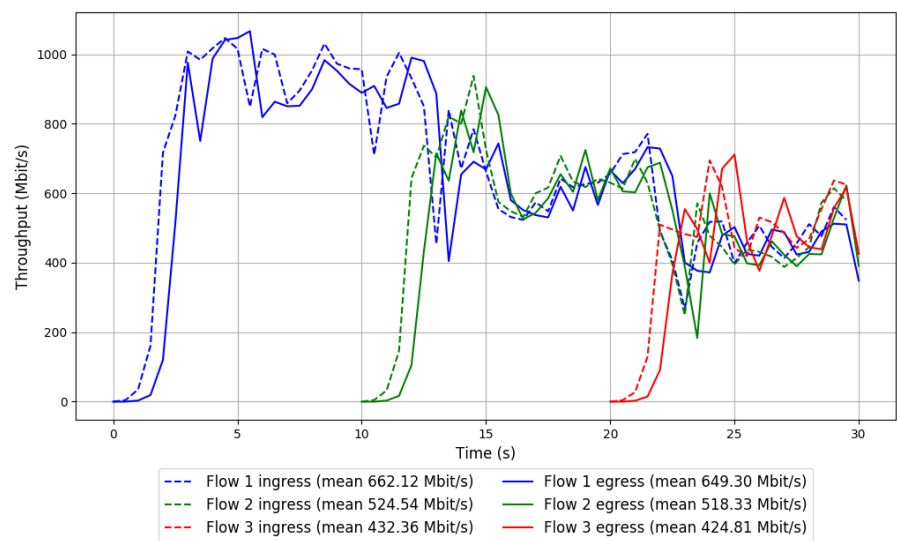
-- Flow 3:

Average throughput: 424.81 Mbit/s

95th percentile per-packet one-way delay: 141.590 ms

Loss rate: 4.46%

Run 9: Report of FillP-Sheep — Data Link

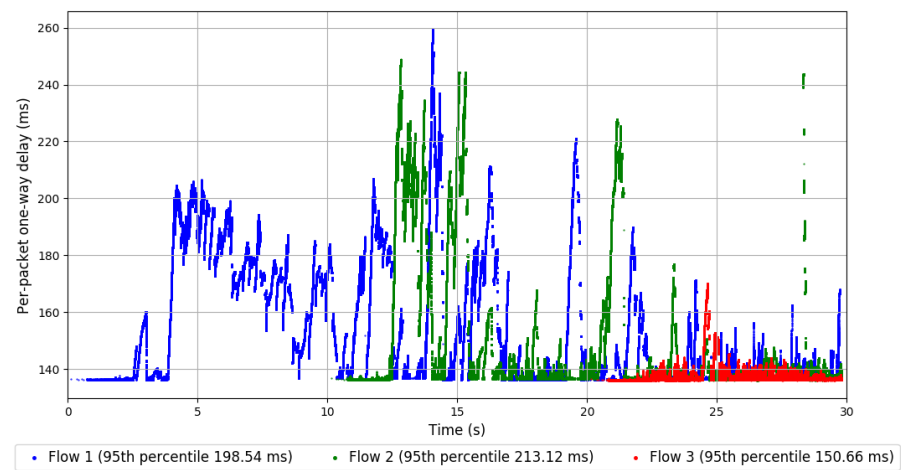
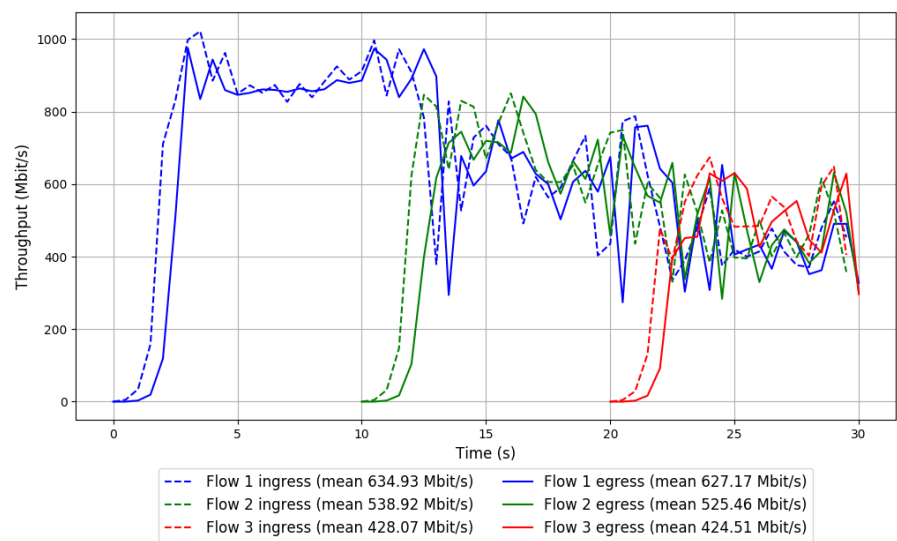


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-03 00:32:24
End at: 2018-08-03 00:32:54
Local clock offset: 0.199 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-08-03 02:32:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1113.16 Mbit/s
95th percentile per-packet one-way delay: 202.286 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 627.17 Mbit/s
95th percentile per-packet one-way delay: 198.542 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 525.46 Mbit/s
95th percentile per-packet one-way delay: 213.122 ms
Loss rate: 3.84%
-- Flow 3:
Average throughput: 424.51 Mbit/s
95th percentile per-packet one-way delay: 150.664 ms
Loss rate: 3.57%

Run 10: Report of FillP-Sheep — Data Link

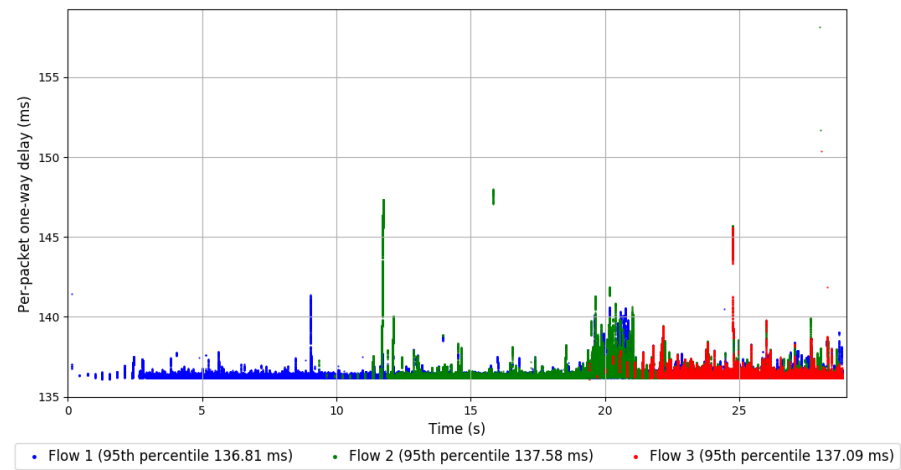
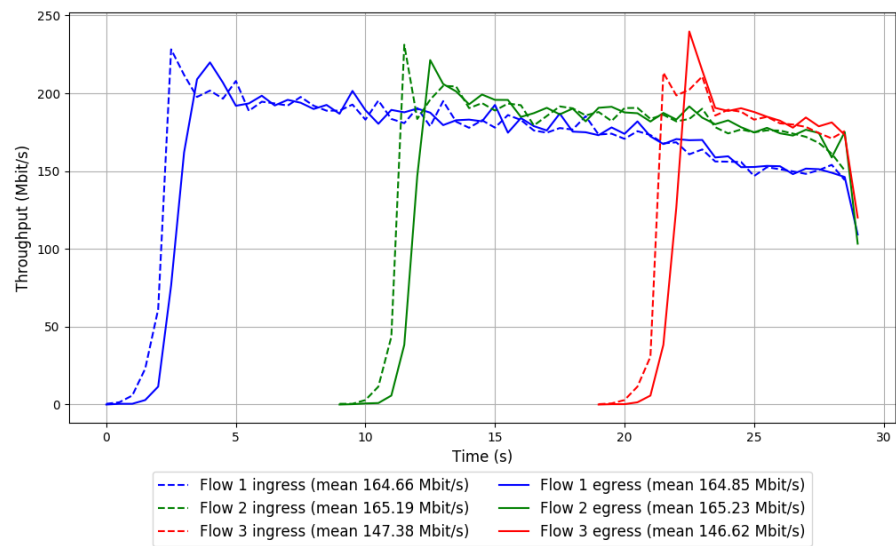


```
Run 1: Statistics of Indigo

Start at: 2018-08-02 20:37:35
End at: 2018-08-02 20:38:05
Local clock offset: 0.069 ms
Remote clock offset: 0.407 ms

# Below is generated by plot.py at 2018-08-03 02:32:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.23 Mbit/s
95th percentile per-packet one-way delay: 137.077 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 164.85 Mbit/s
95th percentile per-packet one-way delay: 136.811 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 165.23 Mbit/s
95th percentile per-packet one-way delay: 137.584 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 146.62 Mbit/s
95th percentile per-packet one-way delay: 137.093 ms
Loss rate: 3.30%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-02 21:05:16

End at: 2018-08-02 21:05:46

Local clock offset: -0.081 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-08-03 02:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.67 Mbit/s

95th percentile per-packet one-way delay: 136.670 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 175.62 Mbit/s

95th percentile per-packet one-way delay: 136.273 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 171.76 Mbit/s

95th percentile per-packet one-way delay: 136.589 ms

Loss rate: 1.31%

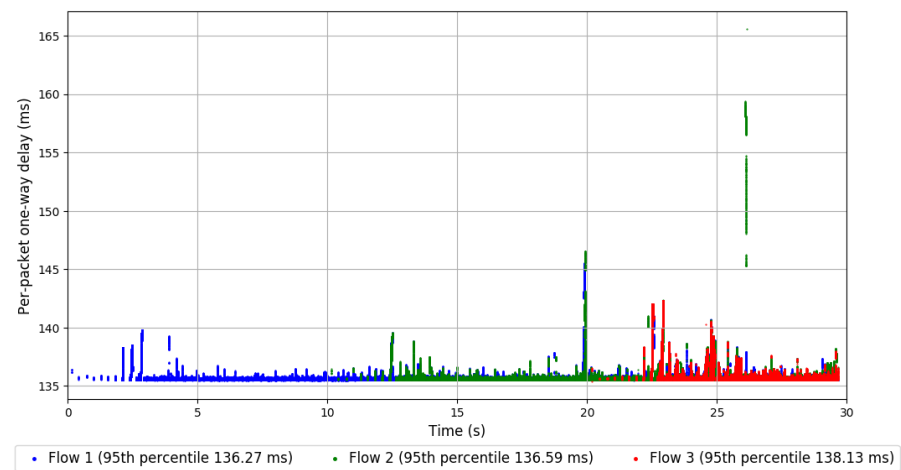
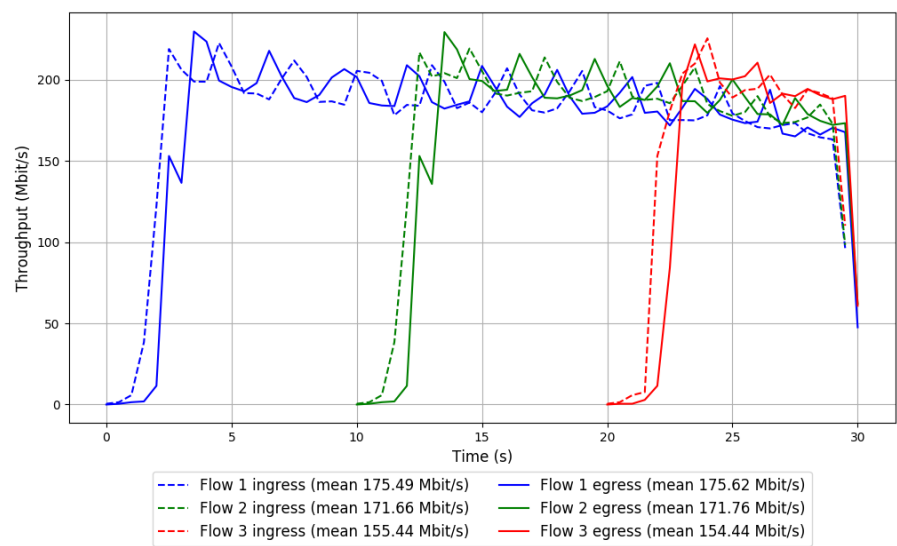
-- Flow 3:

Average throughput: 154.44 Mbit/s

95th percentile per-packet one-way delay: 138.126 ms

Loss rate: 3.40%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-02 21:32:38

End at: 2018-08-02 21:33:08

Local clock offset: -0.238 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-08-03 02:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.61 Mbit/s

95th percentile per-packet one-way delay: 136.680 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 175.77 Mbit/s

95th percentile per-packet one-way delay: 136.467 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 168.85 Mbit/s

95th percentile per-packet one-way delay: 136.824 ms

Loss rate: 1.36%

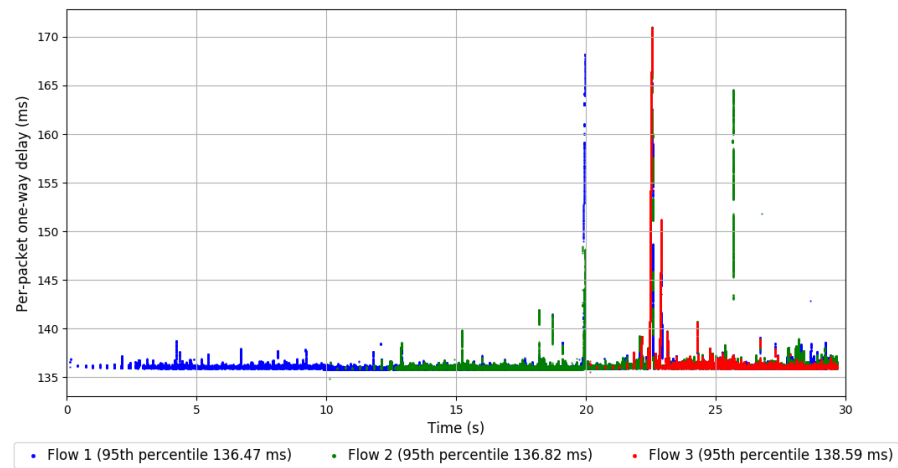
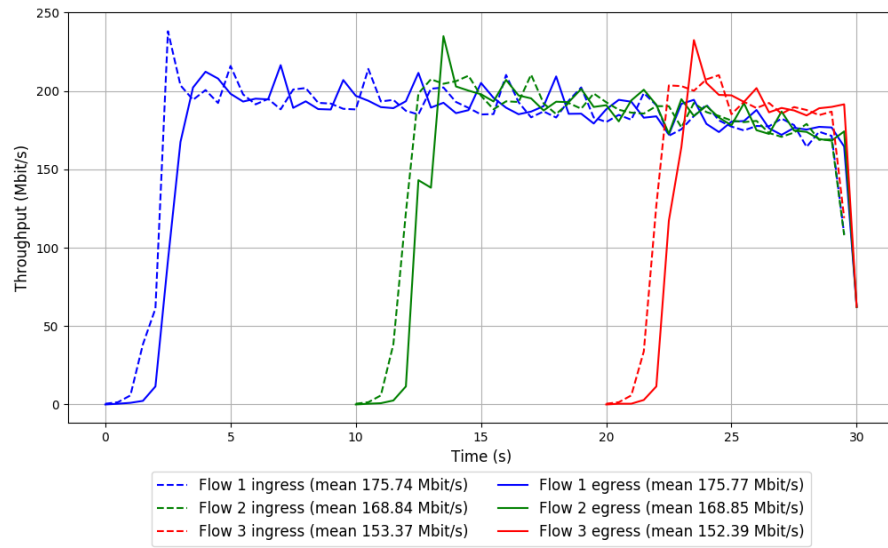
-- Flow 3:

Average throughput: 152.39 Mbit/s

95th percentile per-packet one-way delay: 138.588 ms

Loss rate: 3.39%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-02 21:59:13

End at: 2018-08-02 21:59:43

Local clock offset: 0.166 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-08-03 02:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.12 Mbit/s

95th percentile per-packet one-way delay: 137.399 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 136.25 Mbit/s

95th percentile per-packet one-way delay: 137.185 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 174.08 Mbit/s

95th percentile per-packet one-way delay: 137.482 ms

Loss rate: 1.47%

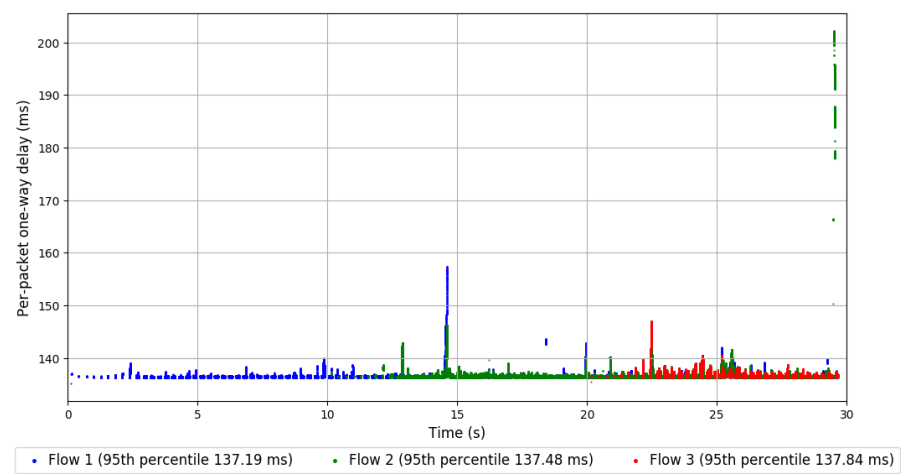
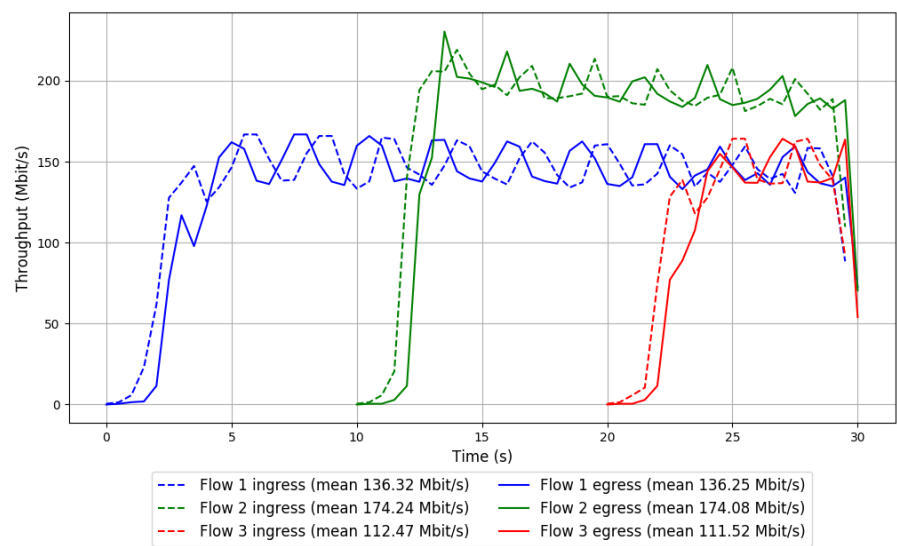
-- Flow 3:

Average throughput: 111.52 Mbit/s

95th percentile per-packet one-way delay: 137.844 ms

Loss rate: 3.61%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-02 22:26:08

End at: 2018-08-02 22:26:38

Local clock offset: -0.227 ms

Remote clock offset: 0.371 ms

Below is generated by plot.py at 2018-08-03 02:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.15 Mbit/s

95th percentile per-packet one-way delay: 136.377 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 134.11 Mbit/s

95th percentile per-packet one-way delay: 136.235 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 128.13 Mbit/s

95th percentile per-packet one-way delay: 136.498 ms

Loss rate: 1.53%

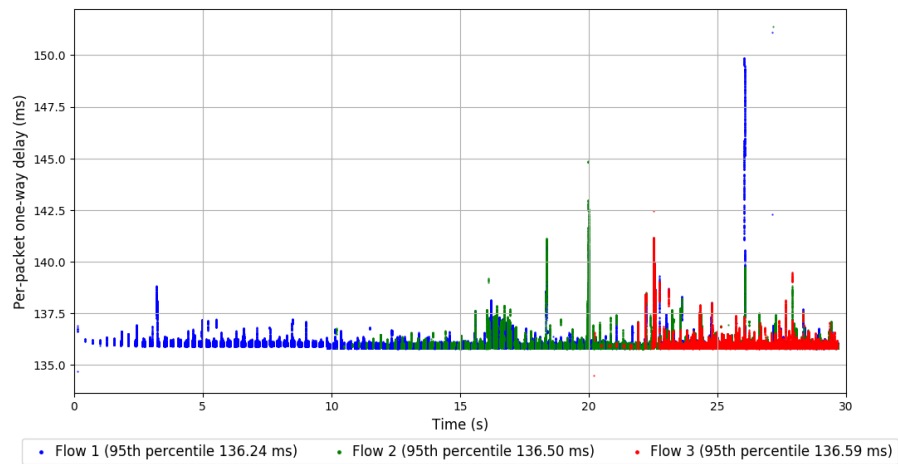
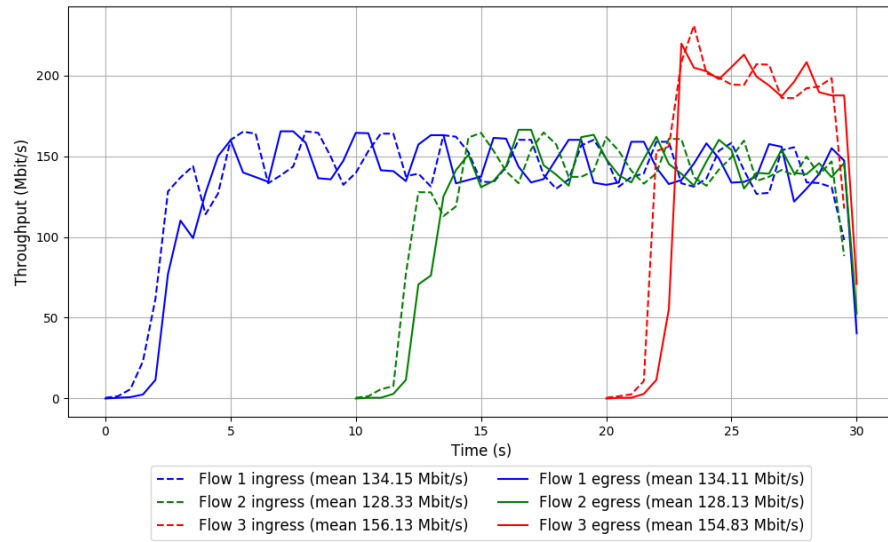
-- Flow 3:

Average throughput: 154.83 Mbit/s

95th percentile per-packet one-way delay: 136.593 ms

Loss rate: 3.46%

Run 5: Report of Indigo — Data Link

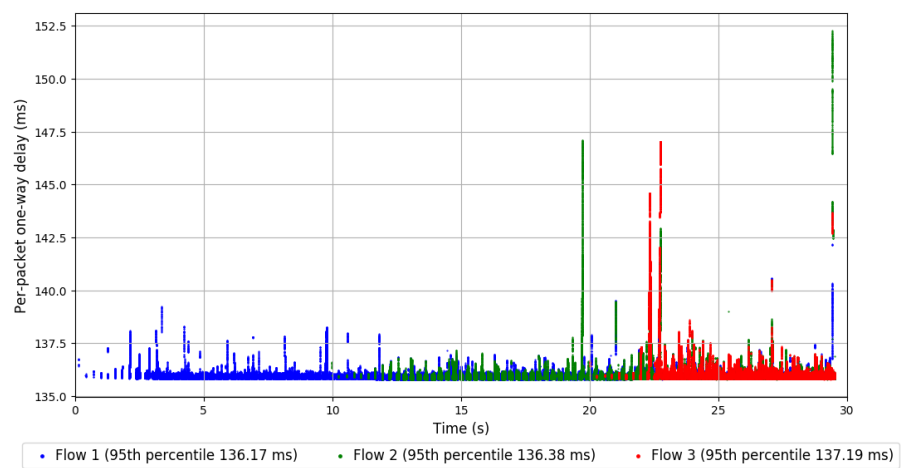
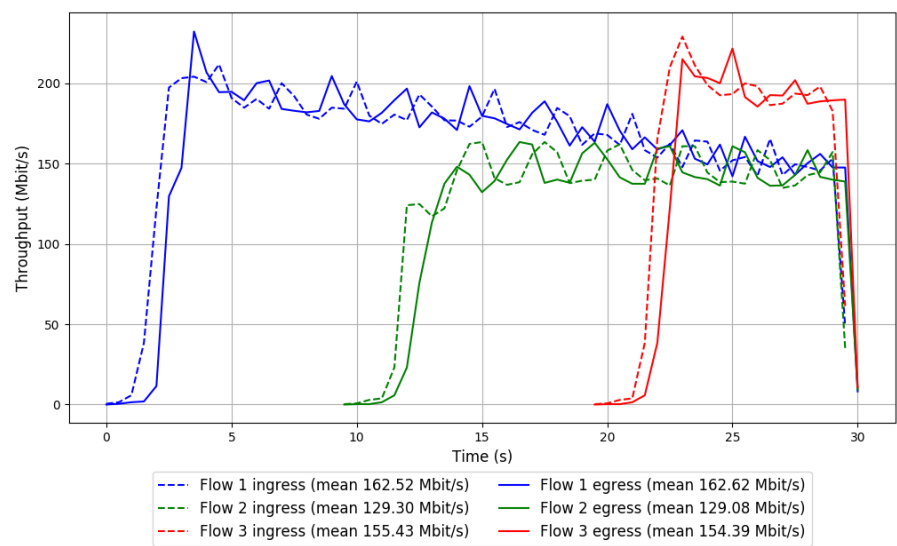


Run 6: Statistics of Indigo

Start at: 2018-08-02 22:53:26
End at: 2018-08-02 22:53:56
Local clock offset: 0.226 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-03 02:32:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.55 Mbit/s
95th percentile per-packet one-way delay: 136.340 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 162.62 Mbit/s
95th percentile per-packet one-way delay: 136.169 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 129.08 Mbit/s
95th percentile per-packet one-way delay: 136.379 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 154.39 Mbit/s
95th percentile per-packet one-way delay: 137.186 ms
Loss rate: 3.41%

Run 6: Report of Indigo — Data Link

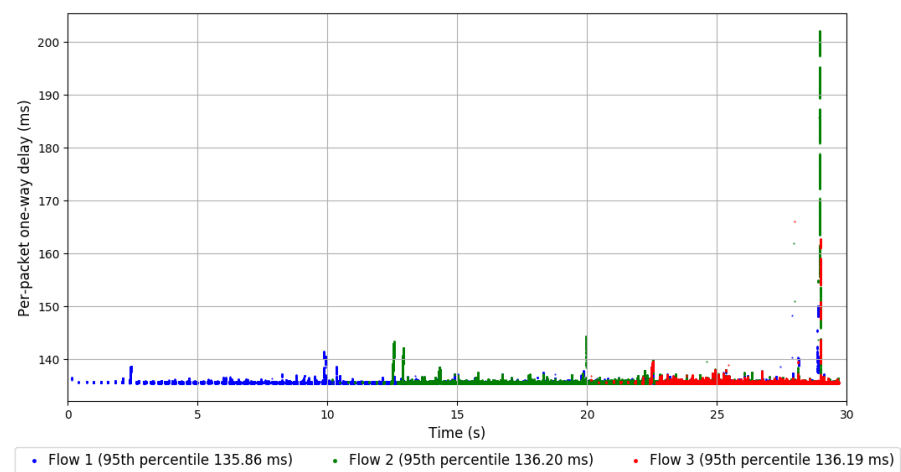
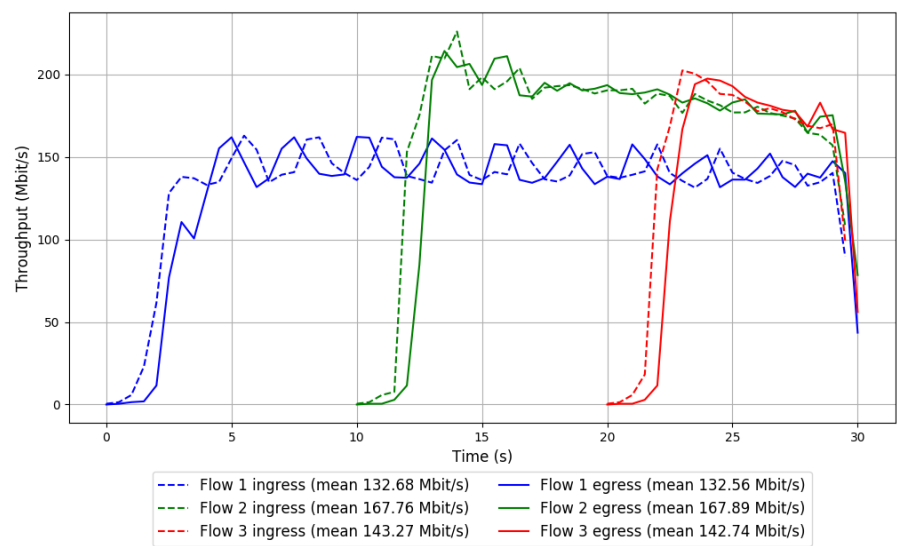


Run 7: Statistics of Indigo

Start at: 2018-08-02 23:20:30
End at: 2018-08-02 23:21:00
Local clock offset: -0.028 ms
Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-08-03 02:32:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.30 Mbit/s
95th percentile per-packet one-way delay: 135.982 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 132.56 Mbit/s
95th percentile per-packet one-way delay: 135.857 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 167.89 Mbit/s
95th percentile per-packet one-way delay: 136.196 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 142.74 Mbit/s
95th percentile per-packet one-way delay: 136.187 ms
Loss rate: 3.14%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-02 23:48:01

End at: 2018-08-02 23:48:31

Local clock offset: 0.071 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-03 02:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.33 Mbit/s

95th percentile per-packet one-way delay: 137.319 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 175.77 Mbit/s

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

Loss rate: 0.85%

-- Flow 2:

Average throughput: 128.25 Mbit/s

95th percentile per-packet one-way delay: 137.609 ms

Loss rate: 1.54%

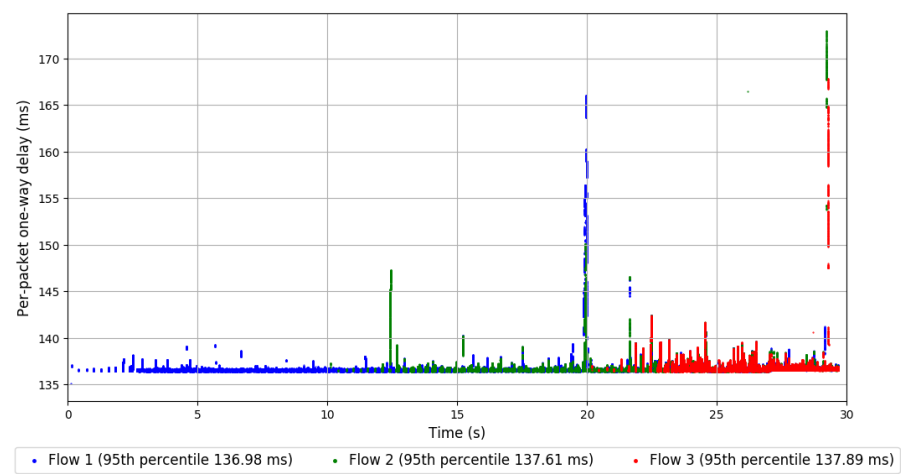
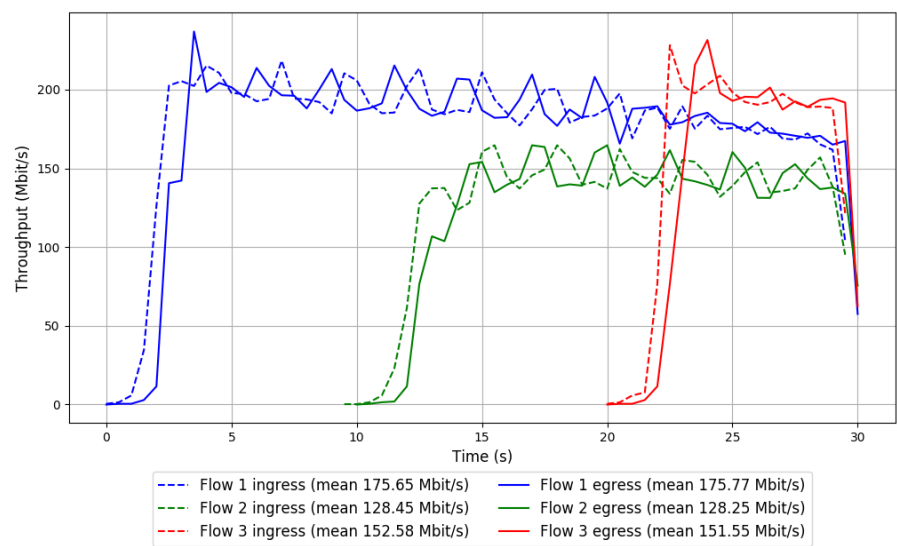
-- Flow 3:

Average throughput: 151.55 Mbit/s

95th percentile per-packet one-way delay: 137.891 ms

Loss rate: 3.47%

Run 8: Report of Indigo — Data Link

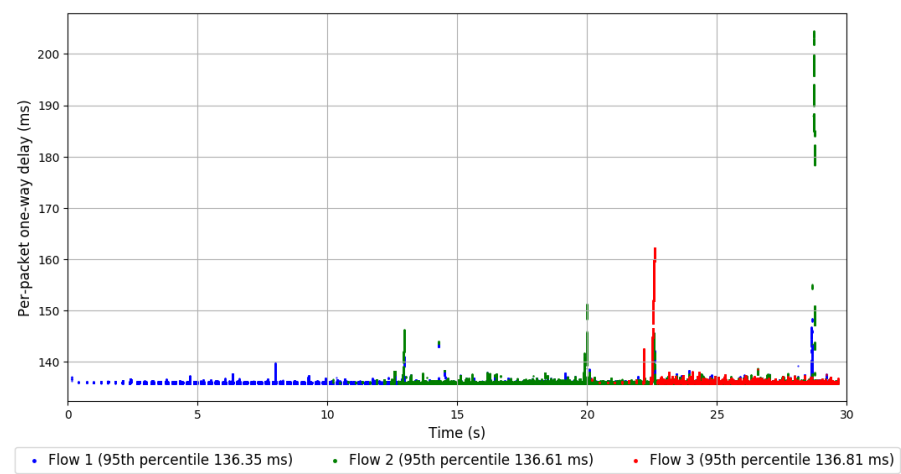
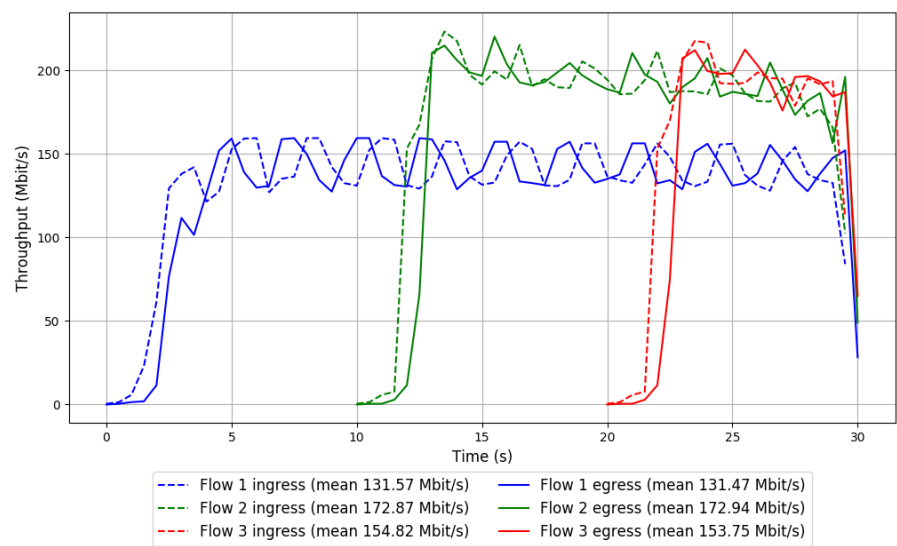


Run 9: Statistics of Indigo

Start at: 2018-08-03 00:15:27
End at: 2018-08-03 00:15:57
Local clock offset: 0.251 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-03 02:32:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.67 Mbit/s
95th percentile per-packet one-way delay: 136.510 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 131.47 Mbit/s
95th percentile per-packet one-way delay: 136.350 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 172.94 Mbit/s
95th percentile per-packet one-way delay: 136.614 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 153.75 Mbit/s
95th percentile per-packet one-way delay: 136.805 ms
Loss rate: 3.45%

Run 9: Report of Indigo — Data Link

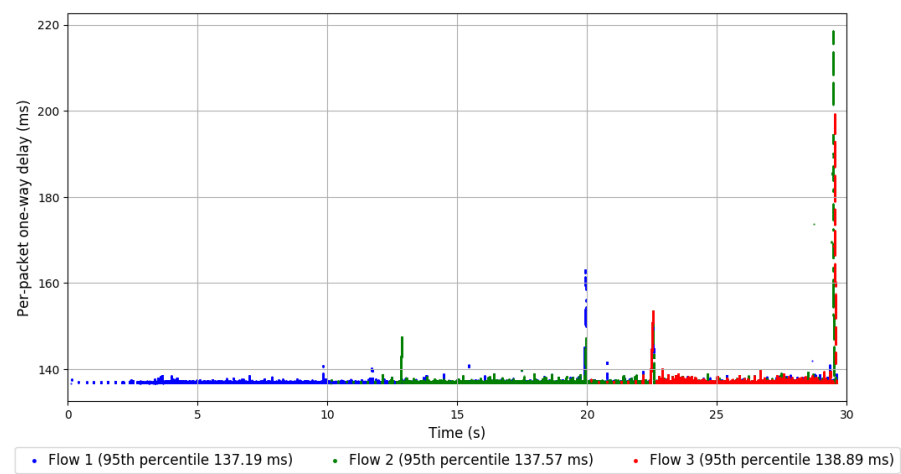
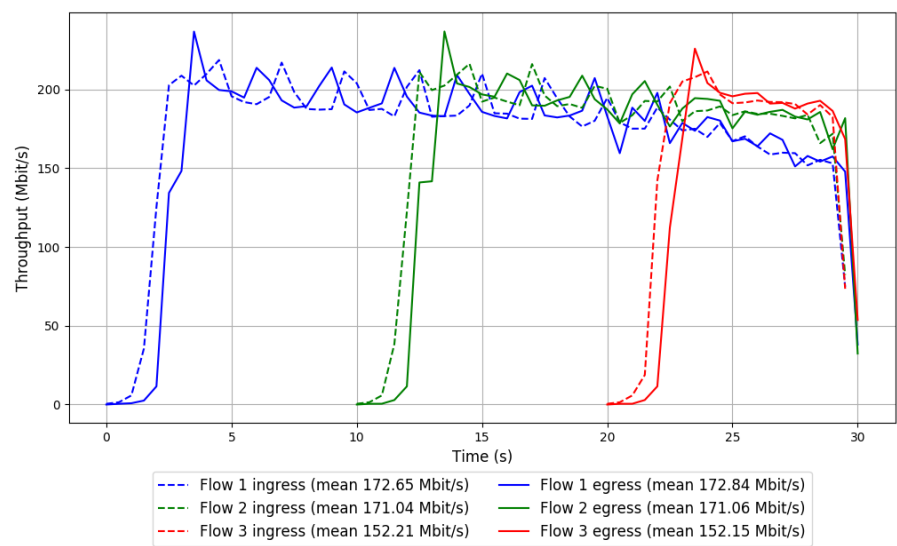


Run 10: Statistics of Indigo

Start at: 2018-08-03 00:43:04
End at: 2018-08-03 00:43:34
Local clock offset: -0.044 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-08-03 02:32:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.64 Mbit/s
95th percentile per-packet one-way delay: 137.424 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 172.84 Mbit/s
95th percentile per-packet one-way delay: 137.194 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 171.06 Mbit/s
95th percentile per-packet one-way delay: 137.570 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 152.15 Mbit/s
95th percentile per-packet one-way delay: 138.894 ms
Loss rate: 2.83%

Run 10: Report of Indigo — Data Link

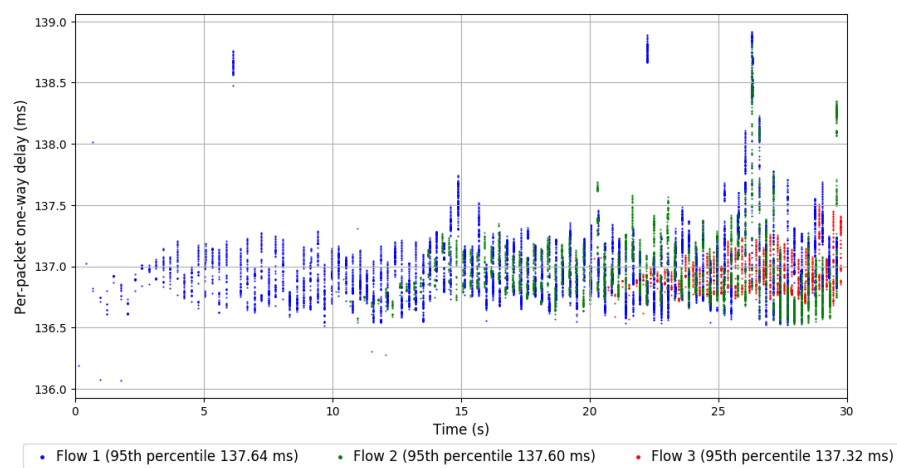
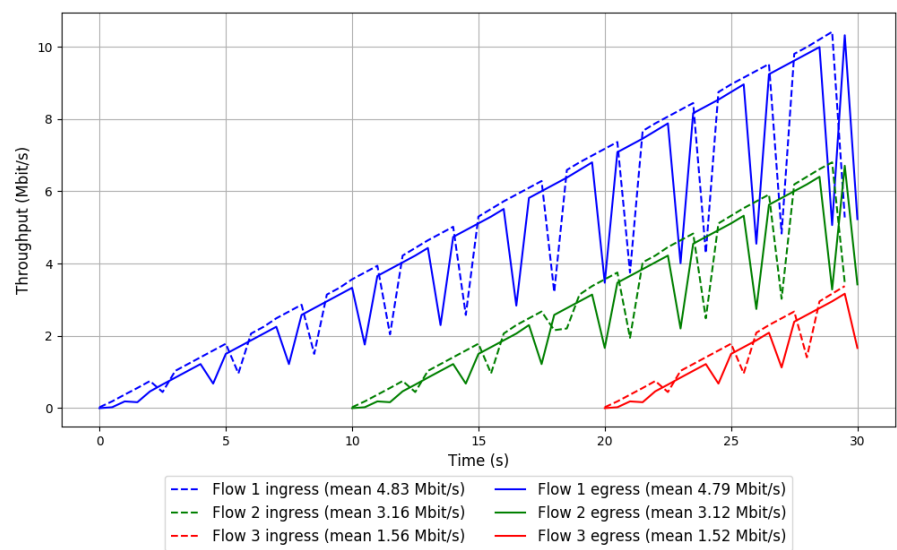


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-02 20:20:34
End at: 2018-08-02 20:21:04
Local clock offset: 0.056 ms
Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2018-08-03 02:32:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 137.603 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.638 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 137.604 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 137.325 ms
Loss rate: 5.56%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-02 20:47:32

End at: 2018-08-02 20:48:02

Local clock offset: 0.149 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-08-03 02:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.37 Mbit/s

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

Loss rate: 2.34%

-- Flow 1:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 137.108 ms

Loss rate: 1.82%

-- Flow 2:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 137.018 ms

Loss rate: 2.74%

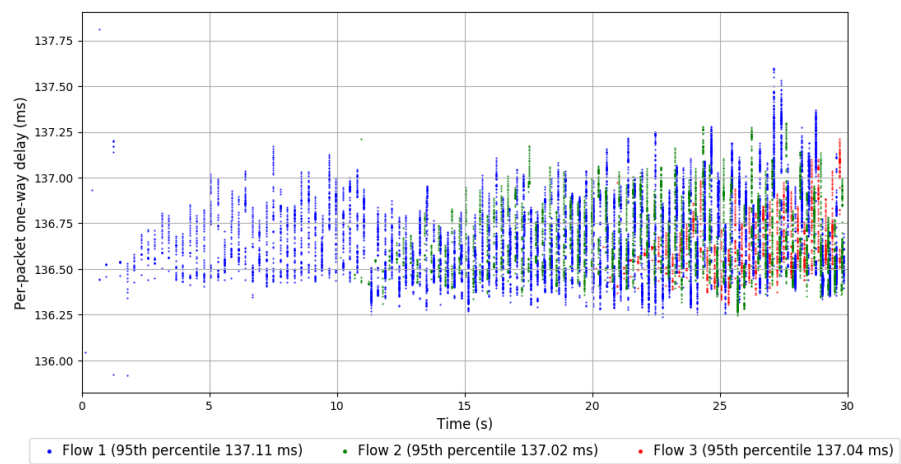
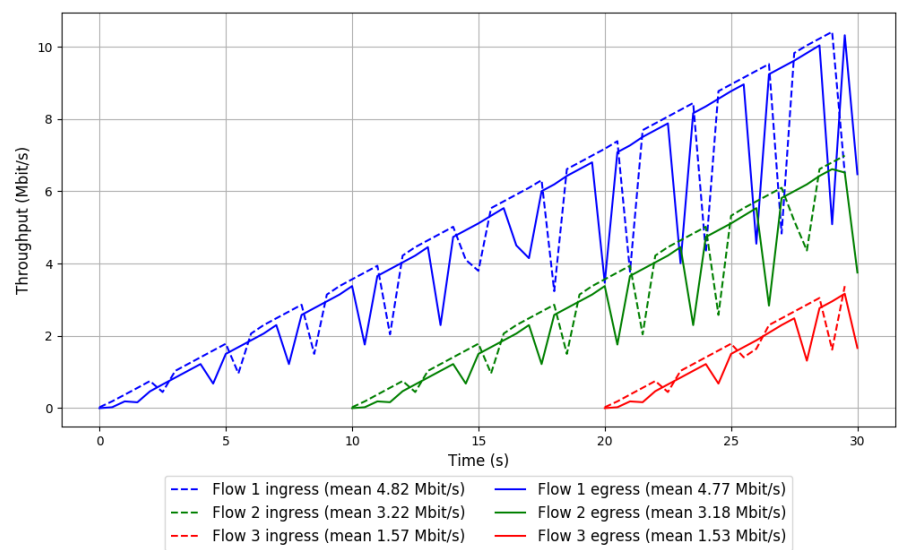
-- Flow 3:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 137.043 ms

Loss rate: 5.56%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-02 21:15:19

End at: 2018-08-02 21:15:49

Local clock offset: 0.136 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-08-03 02:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 136.487 ms

Loss rate: 2.12%

-- Flow 1:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 136.531 ms

Loss rate: 1.83%

-- Flow 2:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 136.274 ms

Loss rate: 2.74%

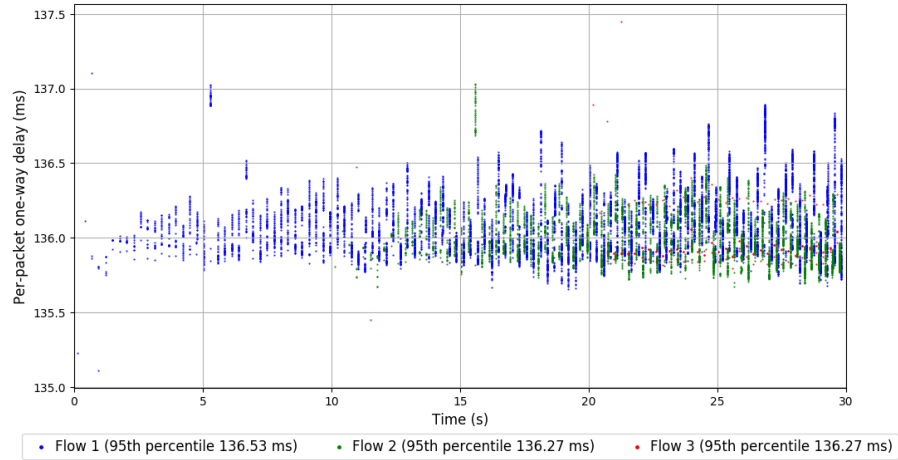
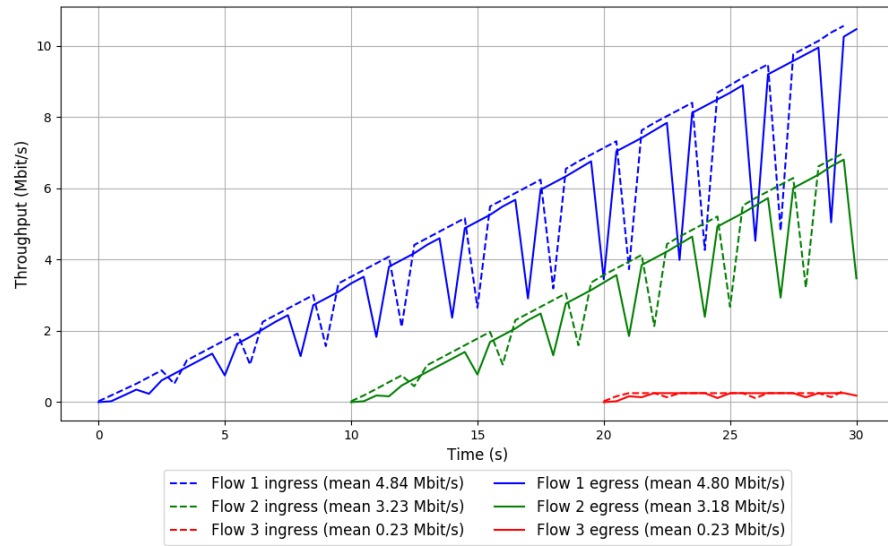
-- Flow 3:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 136.274 ms

Loss rate: 3.06%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-02 21:42:23

End at: 2018-08-02 21:42:53

Local clock offset: 0.189 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2018-08-03 02:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 136.981 ms

Loss rate: 2.37%

-- Flow 1:

Average throughput: 4.69 Mbit/s

95th percentile per-packet one-way delay: 136.962 ms

Loss rate: 1.84%

-- Flow 2:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 137.027 ms

Loss rate: 2.78%

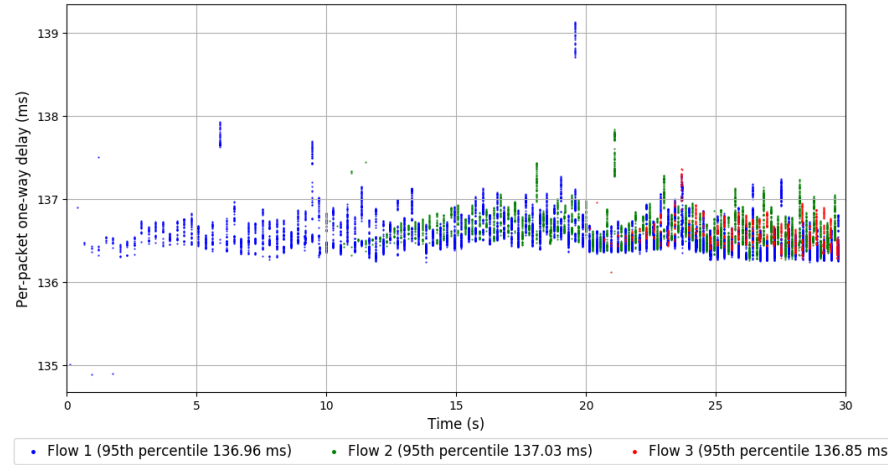
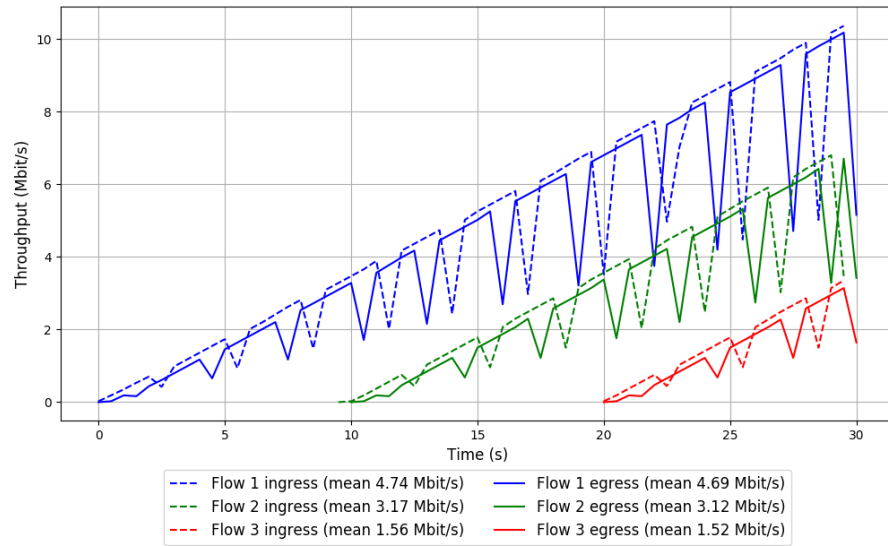
-- Flow 3:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 136.854 ms

Loss rate: 5.58%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-02 22:08:57

End at: 2018-08-02 22:09:27

Local clock offset: 0.086 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-03 02:32:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 137.384 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 137.417 ms

Loss rate: 1.83%

-- Flow 2:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 137.287 ms

Loss rate: 2.74%

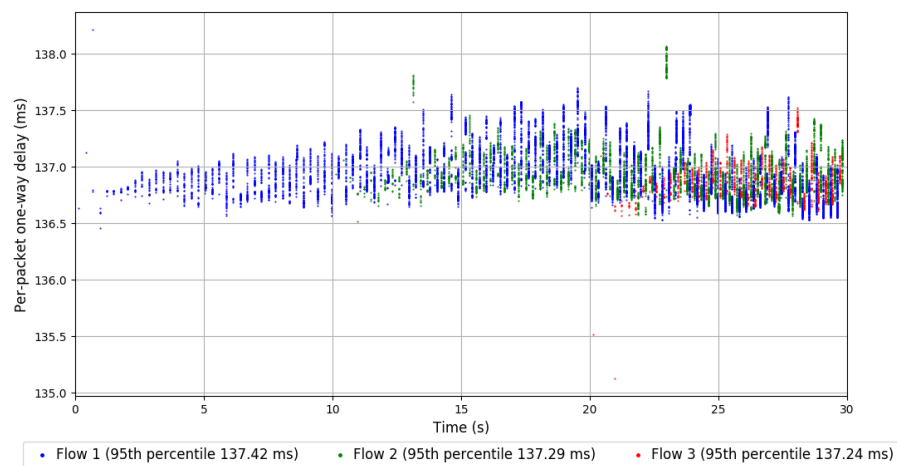
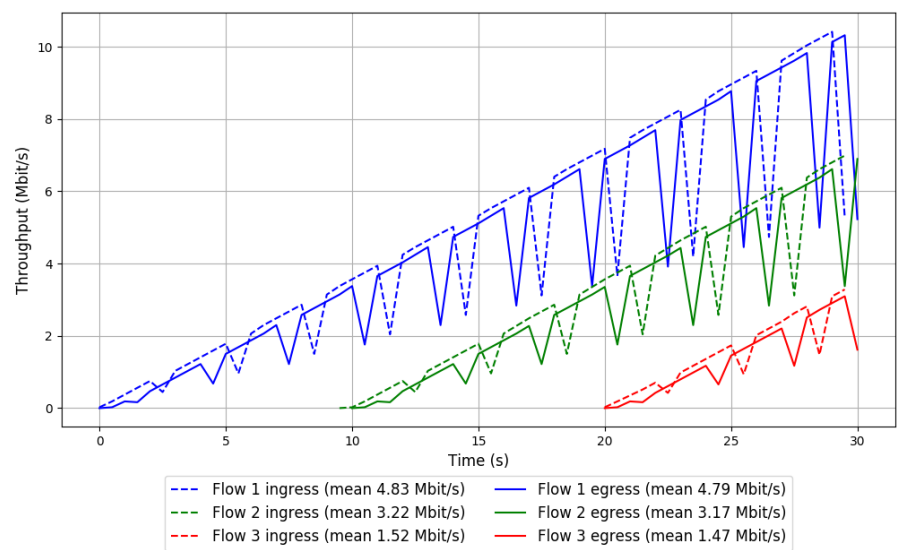
-- Flow 3:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 137.236 ms

Loss rate: 5.58%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-02 22:36:07

End at: 2018-08-02 22:36:37

Local clock offset: -0.02 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-08-03 02:32:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 136.312 ms

Loss rate: 2.83%

-- Flow 1:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 136.364 ms

Loss rate: 2.40%

-- Flow 2:

Average throughput: 3.19 Mbit/s

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

Loss rate: 2.74%

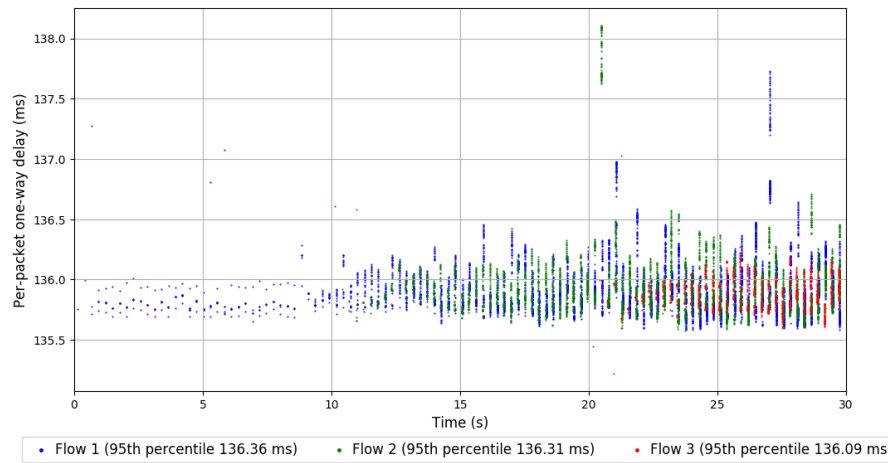
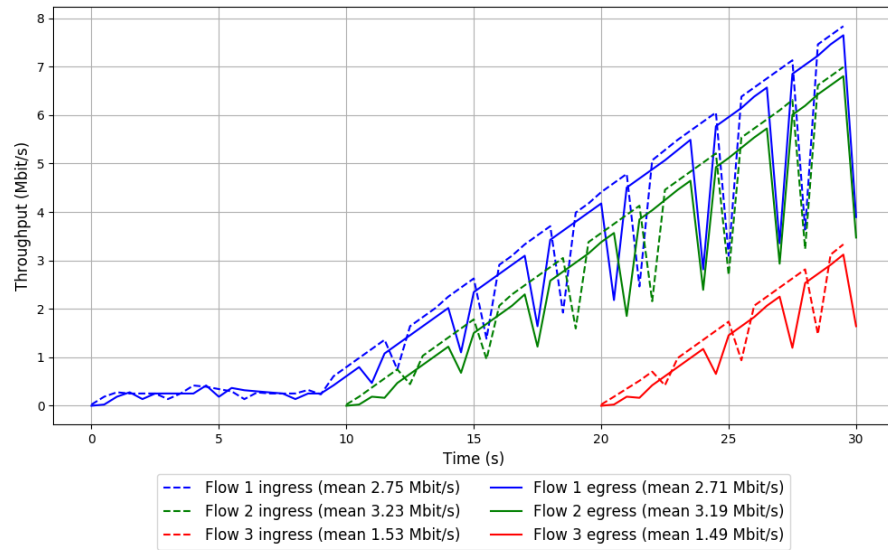
-- Flow 3:

Average throughput: 1.49 Mbit/s

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

Loss rate: 5.62%

Run 6: Report of LEDBAT — Data Link

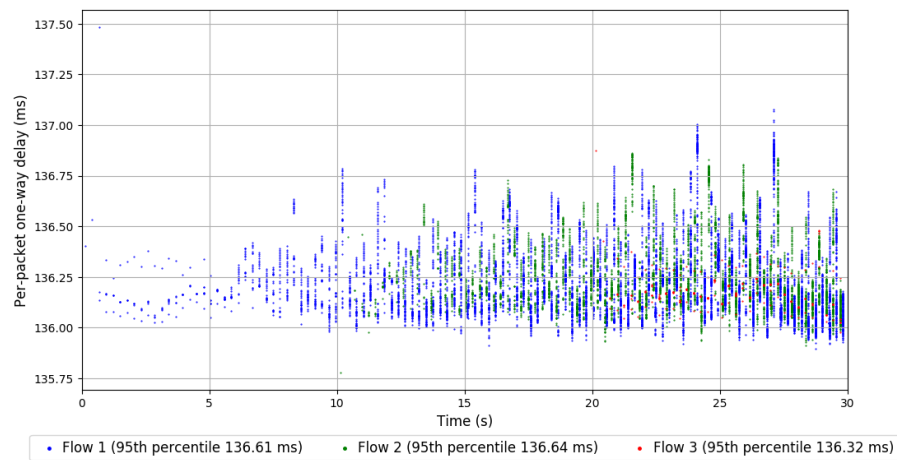
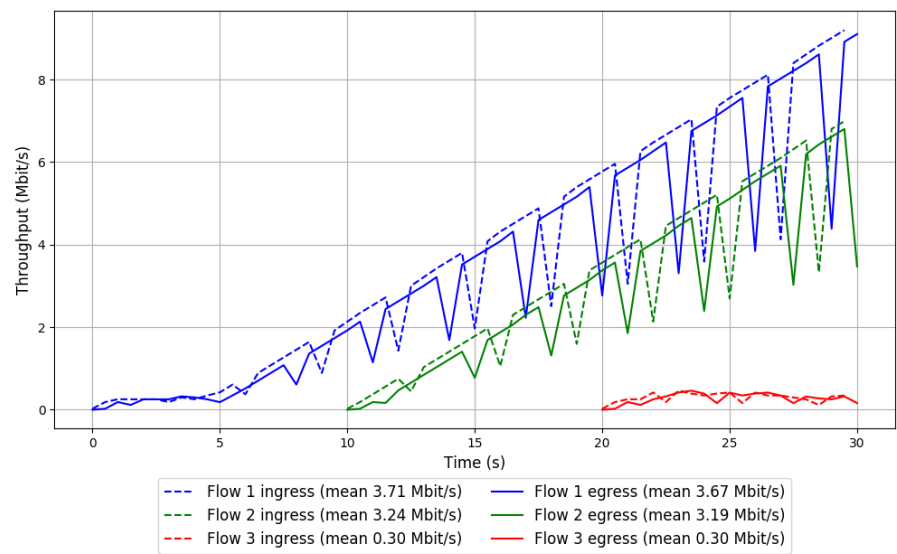


Run 7: Statistics of LEDBAT

Start at: 2018-08-02 23:03:24
End at: 2018-08-02 23:03:54
Local clock offset: -0.025 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-08-03 02:32:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 136.613 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 136.608 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 136.638 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 136.319 ms
Loss rate: 3.10%

Run 7: Report of LEDBAT — Data Link

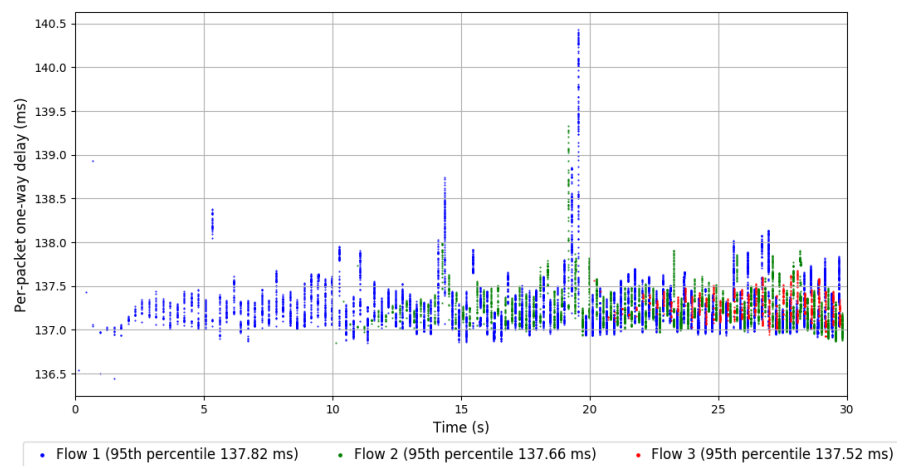
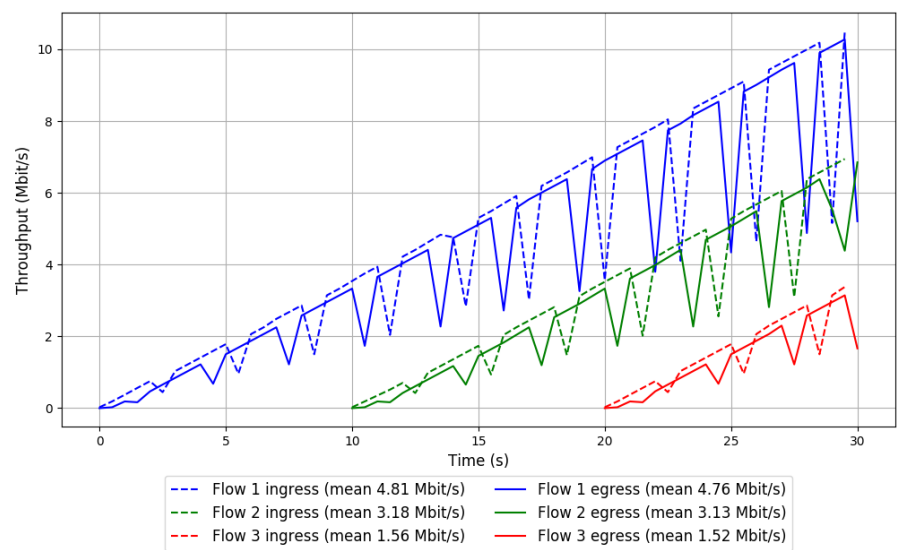


Run 8: Statistics of LEDBAT

Start at: 2018-08-02 23:30:29
End at: 2018-08-02 23:30:59
Local clock offset: 0.125 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-08-03 02:32:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 137.743 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 137.817 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 137.659 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 137.517 ms
Loss rate: 5.57%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-02 23:57:47

End at: 2018-08-02 23:58:17

Local clock offset: 0.204 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-08-03 02:32:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 137.097 ms

Loss rate: 2.36%

-- Flow 1:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.088 ms

Loss rate: 1.83%

-- Flow 2:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 137.151 ms

Loss rate: 2.78%

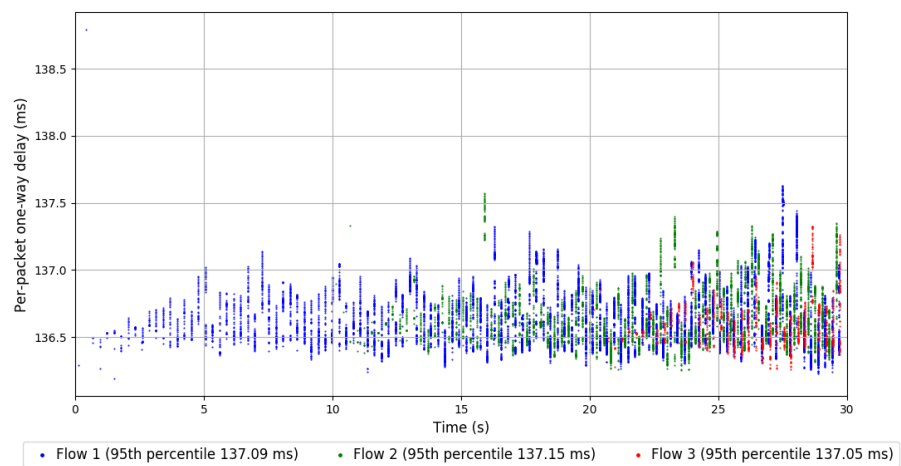
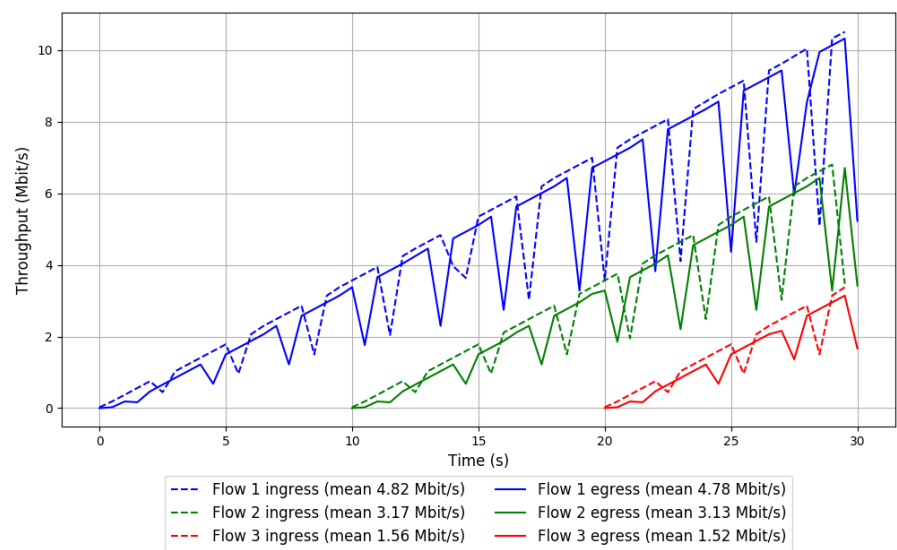
-- Flow 3:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 137.052 ms

Loss rate: 5.57%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-03 00:25:26

End at: 2018-08-03 00:25:56

Local clock offset: -0.033 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-03 02:32:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 136.365 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 136.424 ms

Loss rate: 1.84%

-- Flow 2:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 136.156 ms

Loss rate: 2.74%

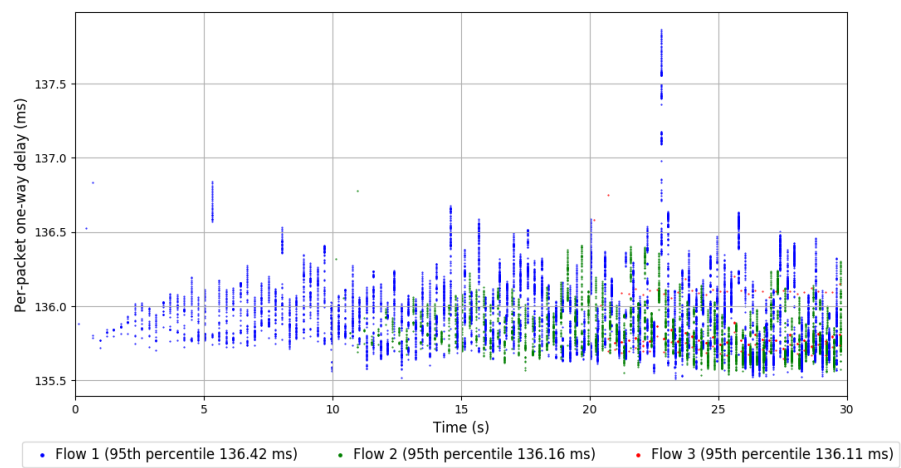
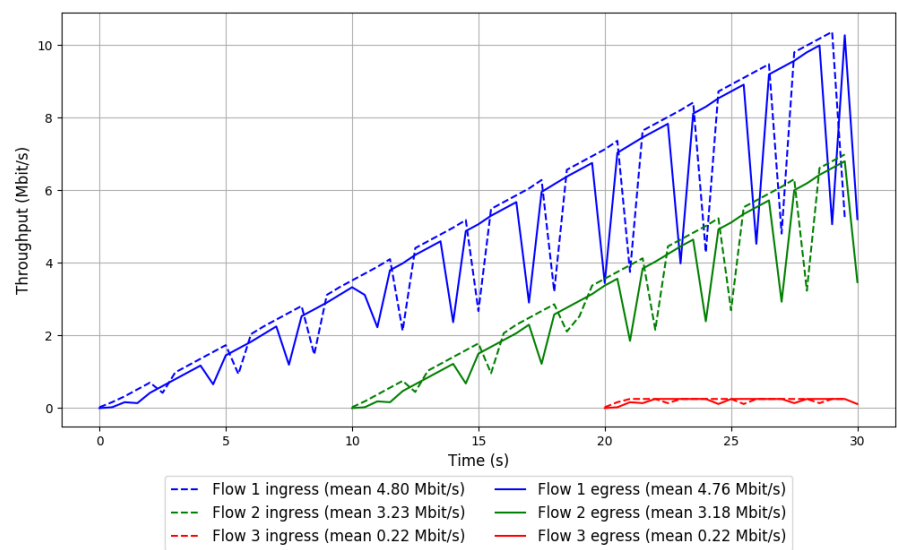
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.107 ms

Loss rate: 3.17%

Run 10: Report of LEDBAT — Data Link

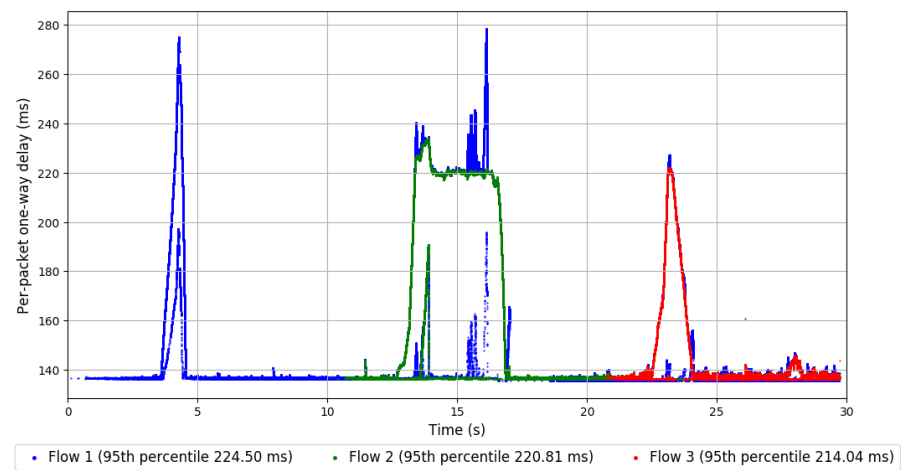
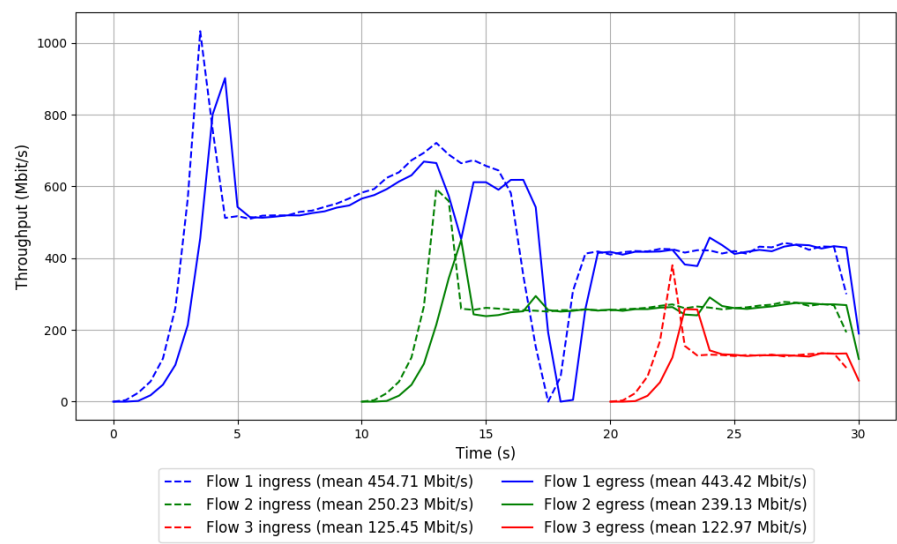


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-02 20:24:31
End at: 2018-08-02 20:25:01
Local clock offset: -0.004 ms
Remote clock offset: -0.3 ms

# Below is generated by plot.py at 2018-08-03 02:35:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 641.20 Mbit/s
95th percentile per-packet one-way delay: 221.458 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 443.42 Mbit/s
95th percentile per-packet one-way delay: 224.500 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 239.13 Mbit/s
95th percentile per-packet one-way delay: 220.810 ms
Loss rate: 5.75%
-- Flow 3:
Average throughput: 122.97 Mbit/s
95th percentile per-packet one-way delay: 214.045 ms
Loss rate: 4.63%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-02 20:51:28

End at: 2018-08-02 20:51:58

Local clock offset: 0.169 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-08-03 02:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 684.85 Mbit/s

95th percentile per-packet one-way delay: 226.029 ms

Loss rate: 3.82%

-- Flow 1:

Average throughput: 496.59 Mbit/s

95th percentile per-packet one-way delay: 229.719 ms

Loss rate: 3.15%

-- Flow 2:

Average throughput: 255.72 Mbit/s

95th percentile per-packet one-way delay: 220.847 ms

Loss rate: 5.39%

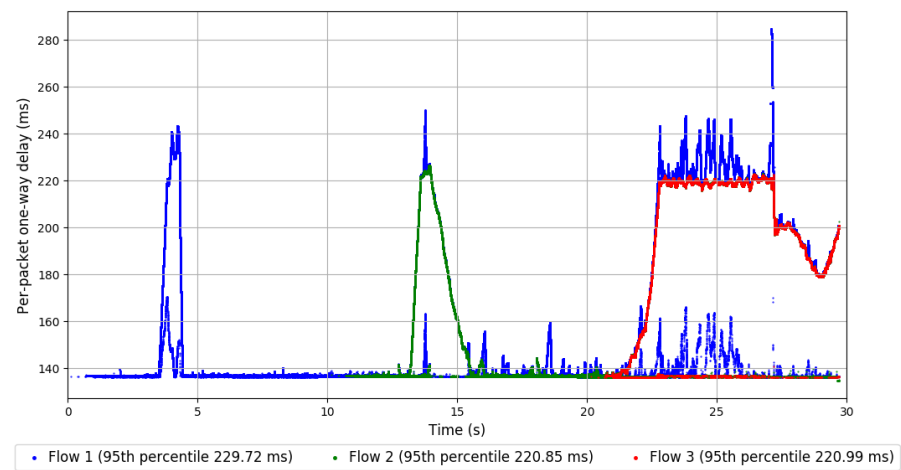
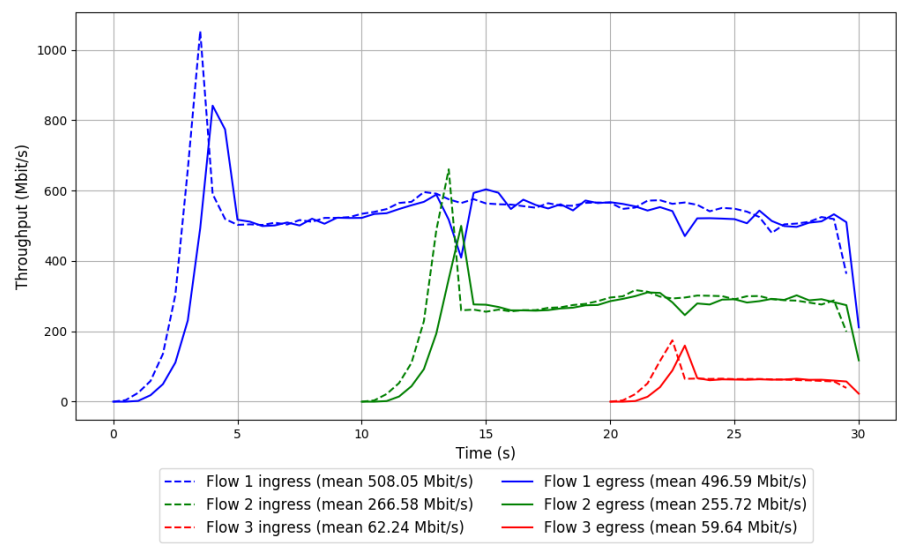
-- Flow 3:

Average throughput: 59.64 Mbit/s

95th percentile per-packet one-way delay: 220.993 ms

Loss rate: 6.83%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-02 21:19:18

End at: 2018-08-02 21:19:48

Local clock offset: 0.021 ms

Remote clock offset: 0.446 ms

Below is generated by plot.py at 2018-08-03 02:36:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 663.41 Mbit/s

95th percentile per-packet one-way delay: 255.708 ms

Loss rate: 5.03%

-- Flow 1:

Average throughput: 468.36 Mbit/s

95th percentile per-packet one-way delay: 259.908 ms

Loss rate: 4.89%

-- Flow 2:

Average throughput: 265.33 Mbit/s

95th percentile per-packet one-way delay: 218.686 ms

Loss rate: 5.14%

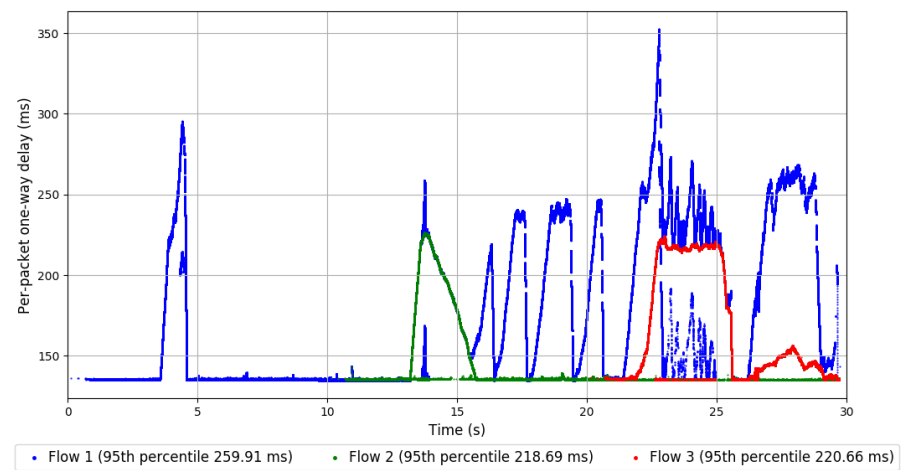
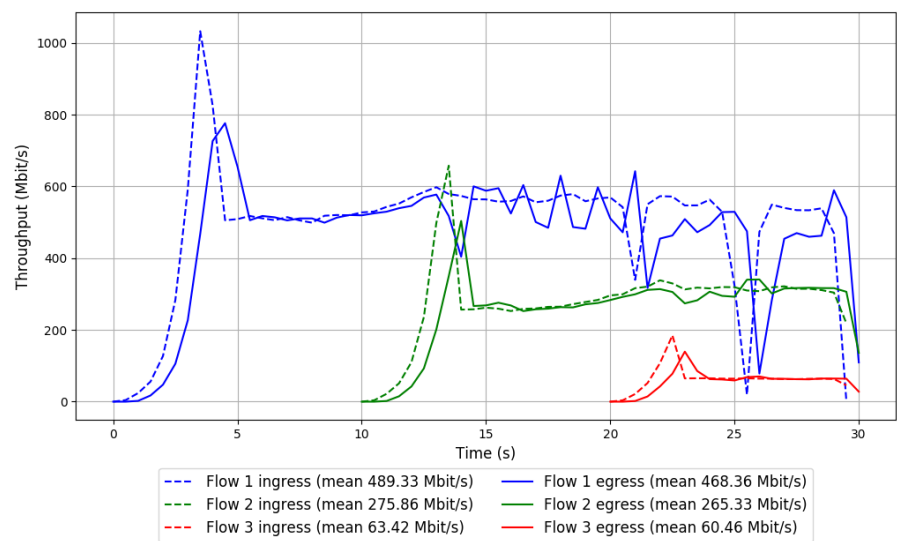
-- Flow 3:

Average throughput: 60.46 Mbit/s

95th percentile per-packet one-way delay: 220.661 ms

Loss rate: 7.32%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-02 21:46:20

End at: 2018-08-02 21:46:50

Local clock offset: 0.057 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-08-03 02:38:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 640.50 Mbit/s

95th percentile per-packet one-way delay: 242.618 ms

Loss rate: 3.94%

-- Flow 1:

Average throughput: 480.50 Mbit/s

95th percentile per-packet one-way delay: 242.573 ms

Loss rate: 3.50%

-- Flow 2:

Average throughput: 237.61 Mbit/s

95th percentile per-packet one-way delay: 242.676 ms

Loss rate: 5.27%

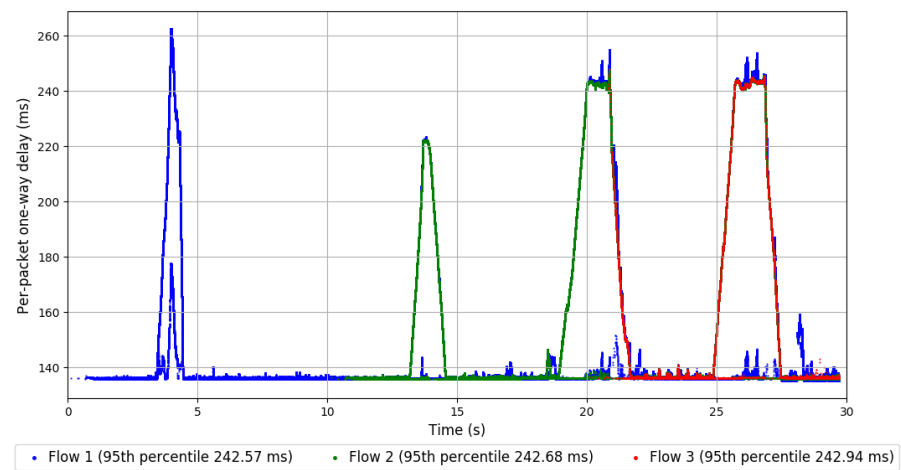
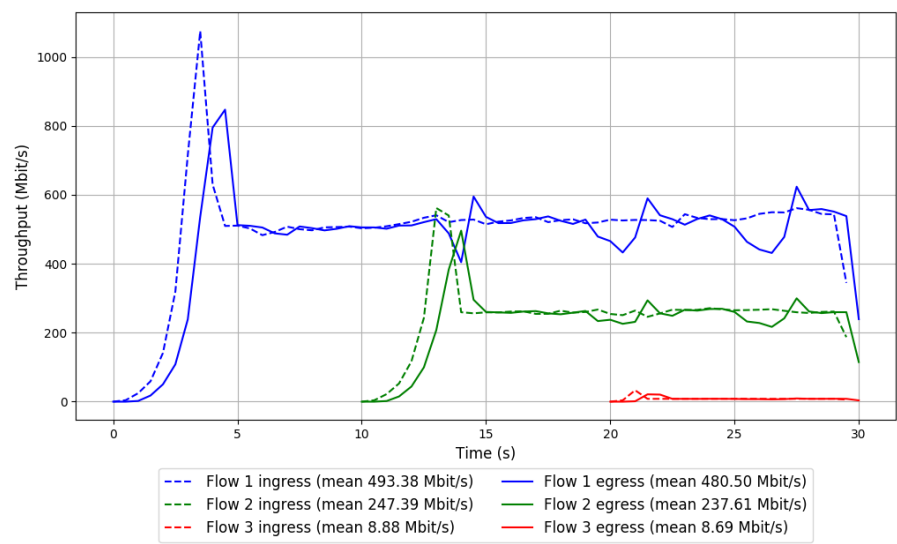
-- Flow 3:

Average throughput: 8.69 Mbit/s

95th percentile per-packet one-way delay: 242.938 ms

Loss rate: 4.82%

Run 4: Report of PCC-Allegro — Data Link

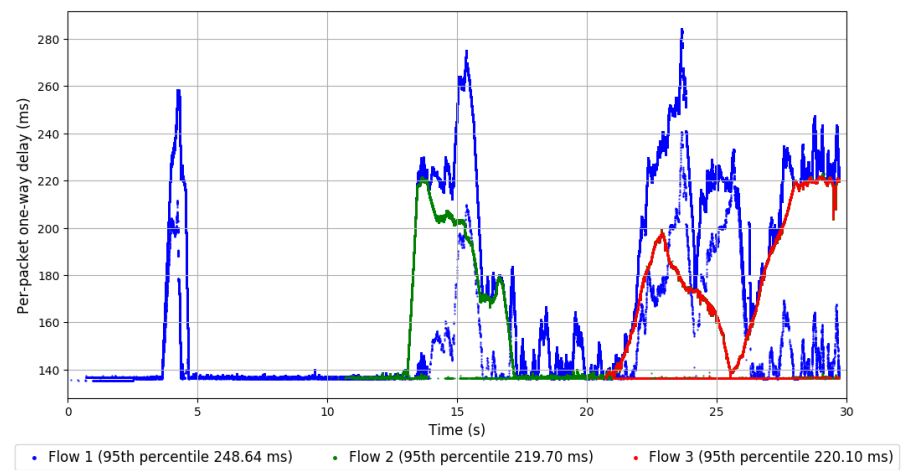
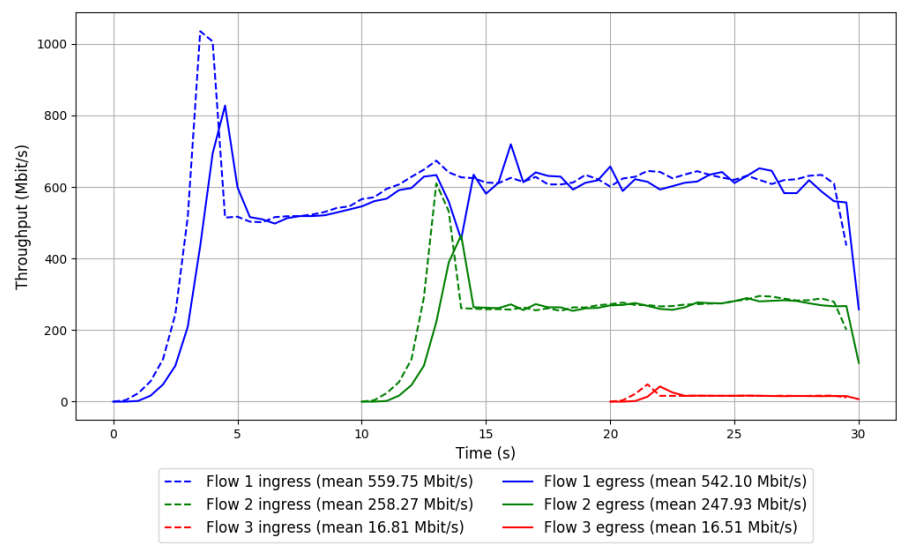


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-02 22:12:55
End at: 2018-08-02 22:13:25
Local clock offset: -0.179 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-08-03 02:39:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 711.48 Mbit/s
95th percentile per-packet one-way delay: 240.597 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 542.10 Mbit/s
95th percentile per-packet one-way delay: 248.643 ms
Loss rate: 4.03%
-- Flow 2:
Average throughput: 247.93 Mbit/s
95th percentile per-packet one-way delay: 219.701 ms
Loss rate: 5.32%
-- Flow 3:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 220.100 ms
Loss rate: 4.46%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-02 22:40:04

End at: 2018-08-02 22:40:34

Local clock offset: 0.026 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-08-03 02:41:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 658.50 Mbit/s

95th percentile per-packet one-way delay: 234.163 ms

Loss rate: 5.06%

-- Flow 1:

Average throughput: 486.71 Mbit/s

95th percentile per-packet one-way delay: 240.180 ms

Loss rate: 4.45%

-- Flow 2:

Average throughput: 228.97 Mbit/s

95th percentile per-packet one-way delay: 220.287 ms

Loss rate: 6.78%

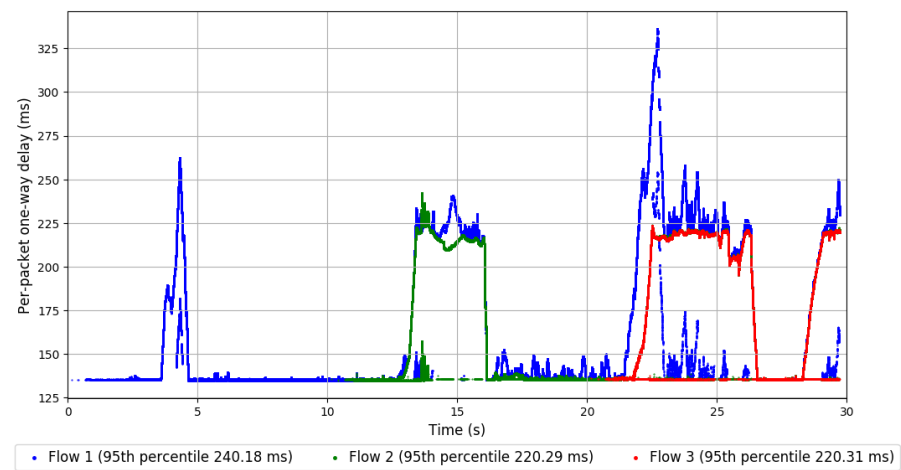
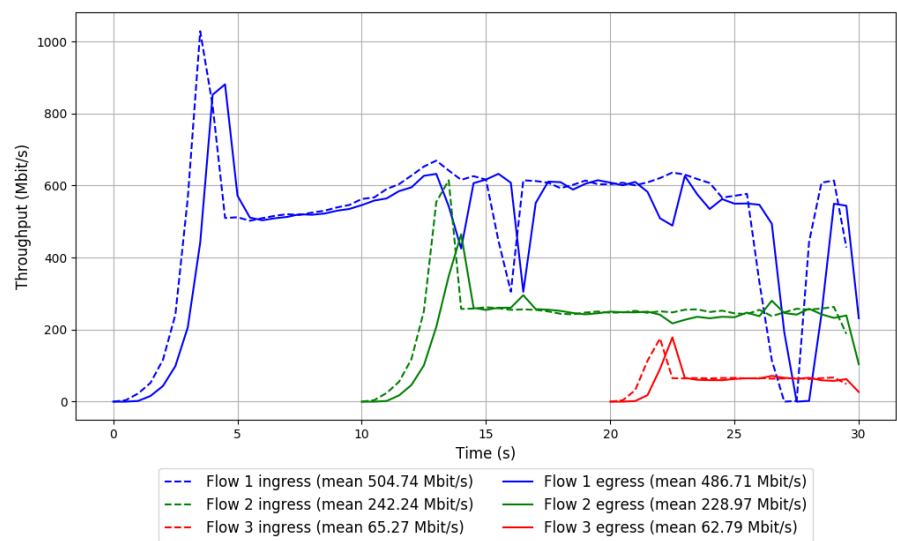
-- Flow 3:

Average throughput: 62.79 Mbit/s

95th percentile per-packet one-way delay: 220.313 ms

Loss rate: 6.46%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-02 23:07:20

End at: 2018-08-02 23:07:50

Local clock offset: 0.308 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-08-03 02:41:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 605.75 Mbit/s

95th percentile per-packet one-way delay: 297.522 ms

Loss rate: 4.36%

-- Flow 1:

Average throughput: 484.80 Mbit/s

95th percentile per-packet one-way delay: 302.679 ms

Loss rate: 3.83%

-- Flow 2:

Average throughput: 76.64 Mbit/s

95th percentile per-packet one-way delay: 215.295 ms

Loss rate: 2.45%

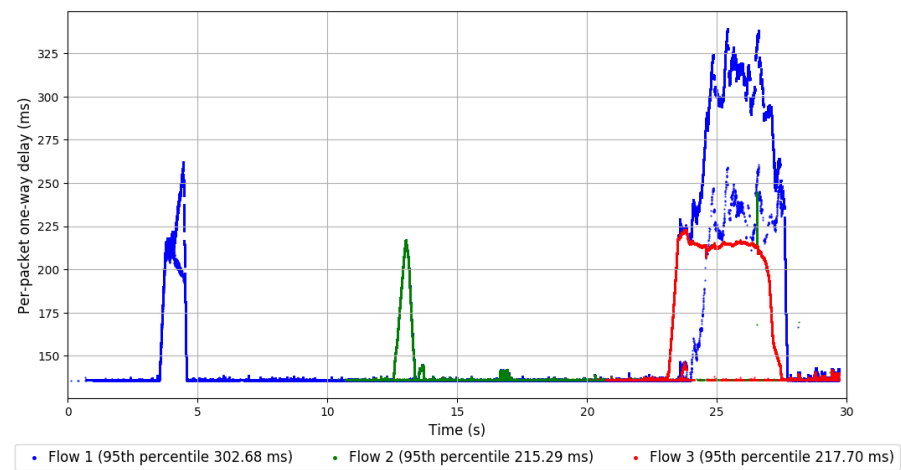
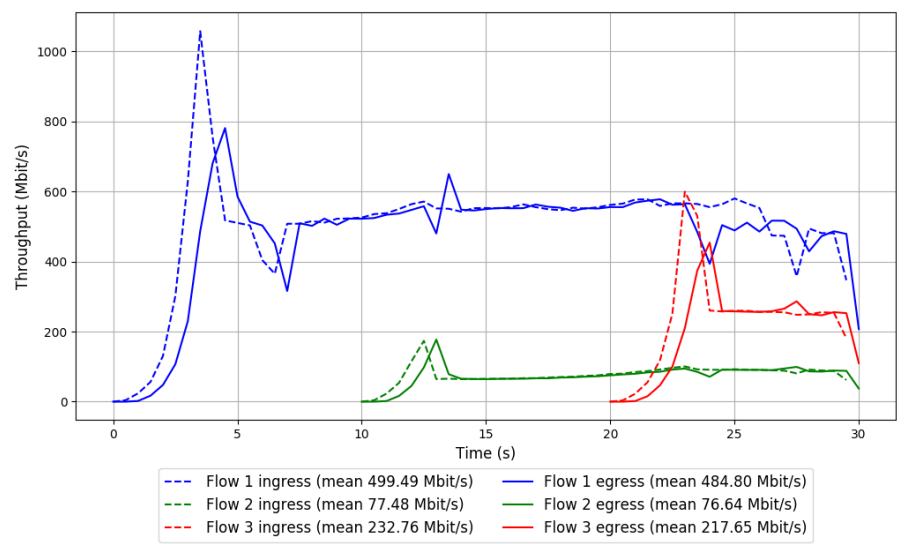
-- Flow 3:

Average throughput: 217.65 Mbit/s

95th percentile per-packet one-way delay: 217.704 ms

Loss rate: 9.10%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-02 23:34:30

End at: 2018-08-02 23:35:00

Local clock offset: 0.207 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-08-03 02:43:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 683.25 Mbit/s

95th percentile per-packet one-way delay: 228.232 ms

Loss rate: 3.72%

-- Flow 1:

Average throughput: 494.27 Mbit/s

95th percentile per-packet one-way delay: 235.090 ms

Loss rate: 3.58%

-- Flow 2:

Average throughput: 269.55 Mbit/s

95th percentile per-packet one-way delay: 218.311 ms

Loss rate: 4.11%

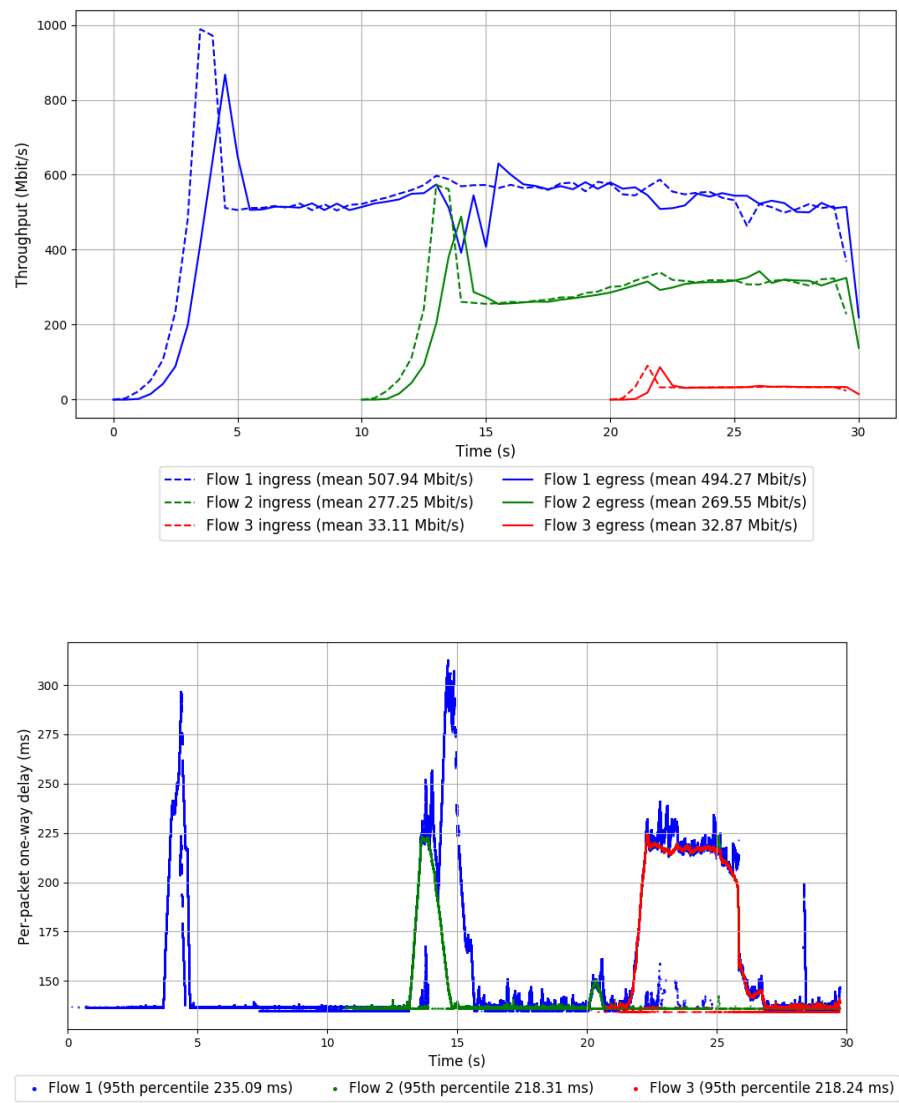
-- Flow 3:

Average throughput: 32.87 Mbit/s

95th percentile per-packet one-way delay: 218.236 ms

Loss rate: 3.45%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-03 00:01:45

End at: 2018-08-03 00:02:15

Local clock offset: 0.264 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-08-03 02:46:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 671.21 Mbit/s

95th percentile per-packet one-way delay: 225.084 ms

Loss rate: 3.47%

-- Flow 1:

Average throughput: 491.71 Mbit/s

95th percentile per-packet one-way delay: 226.412 ms

Loss rate: 2.71%

-- Flow 2:

Average throughput: 241.03 Mbit/s

95th percentile per-packet one-way delay: 220.291 ms

Loss rate: 5.29%

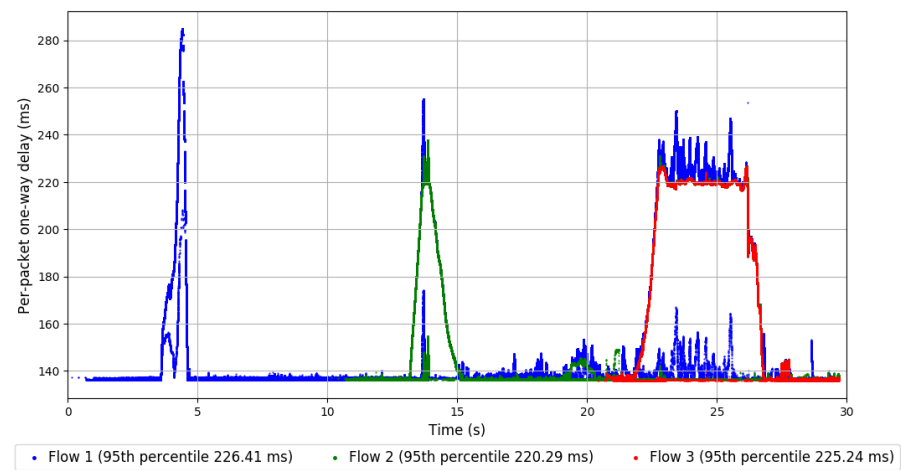
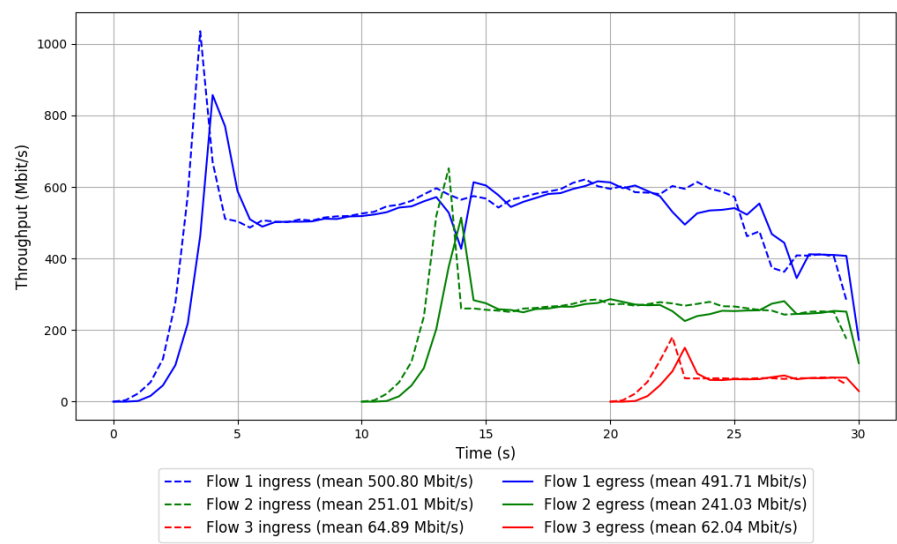
-- Flow 3:

Average throughput: 62.04 Mbit/s

95th percentile per-packet one-way delay: 225.240 ms

Loss rate: 7.04%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-03 00:29:22

End at: 2018-08-03 00:29:52

Local clock offset: 0.032 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2018-08-03 02:48:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 700.13 Mbit/s

95th percentile per-packet one-way delay: 261.966 ms

Loss rate: 4.87%

-- Flow 1:

Average throughput: 499.73 Mbit/s

95th percentile per-packet one-way delay: 273.152 ms

Loss rate: 4.70%

-- Flow 2:

Average throughput: 245.04 Mbit/s

95th percentile per-packet one-way delay: 216.021 ms

Loss rate: 4.81%

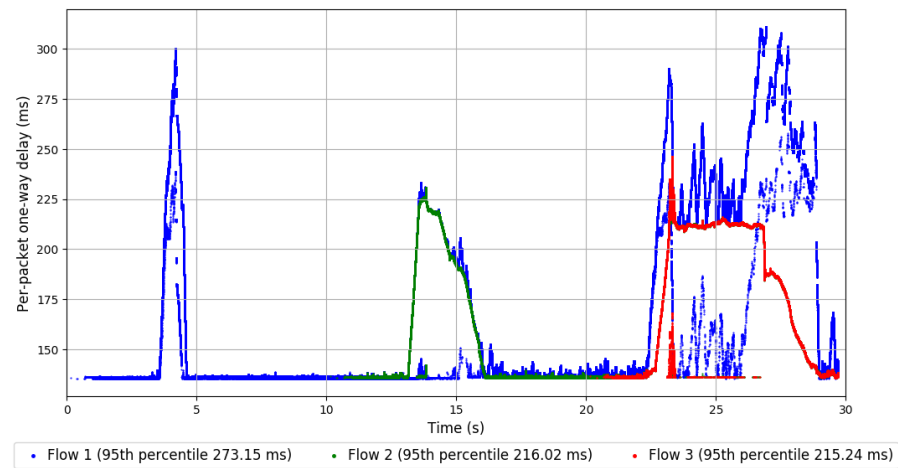
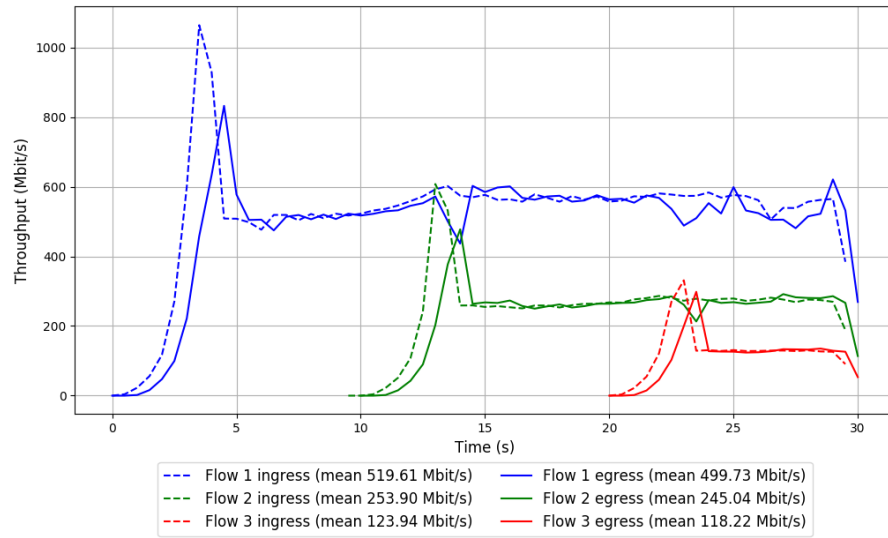
-- Flow 3:

Average throughput: 118.22 Mbit/s

95th percentile per-packet one-way delay: 215.243 ms

Loss rate: 7.26%

Run 10: Report of PCC-Allegro — Data Link

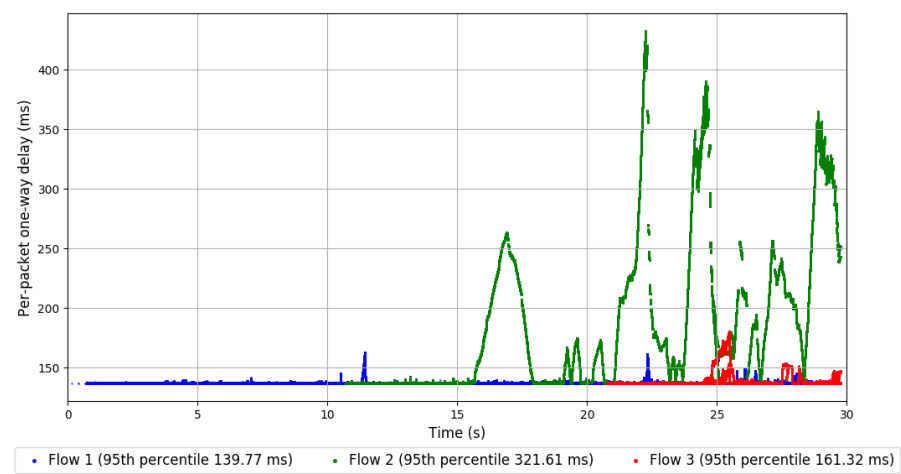
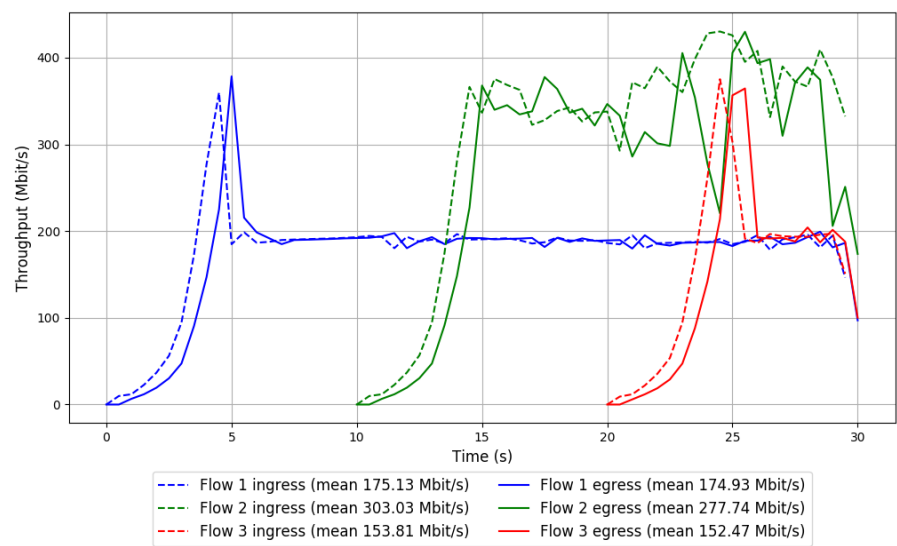


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-02 20:43:18
End at: 2018-08-02 20:43:48
Local clock offset: 0.238 ms
Remote clock offset: -0.323 ms

# Below is generated by plot.py at 2018-08-03 02:49:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 408.16 Mbit/s
95th percentile per-packet one-way delay: 255.182 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 174.93 Mbit/s
95th percentile per-packet one-way delay: 139.774 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 277.74 Mbit/s
95th percentile per-packet one-way delay: 321.614 ms
Loss rate: 9.61%
-- Flow 3:
Average throughput: 152.47 Mbit/s
95th percentile per-packet one-way delay: 161.317 ms
Loss rate: 3.63%
```


Run 1: Report of PCC-Expr — Data Link

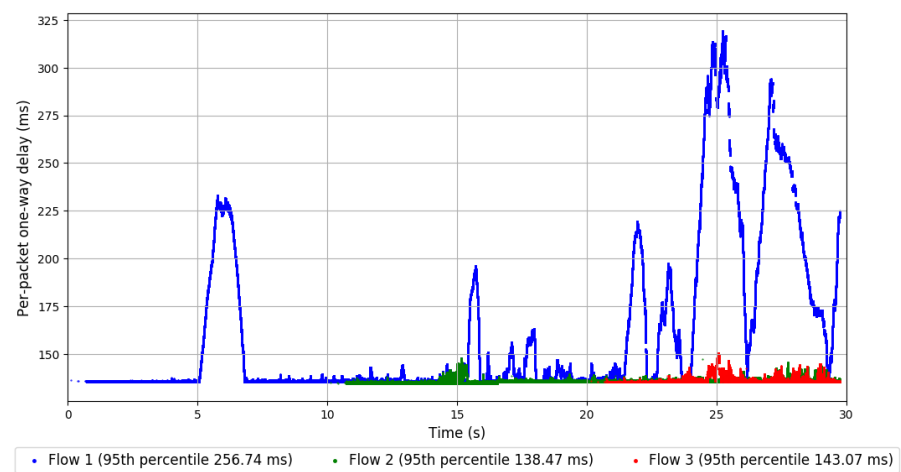
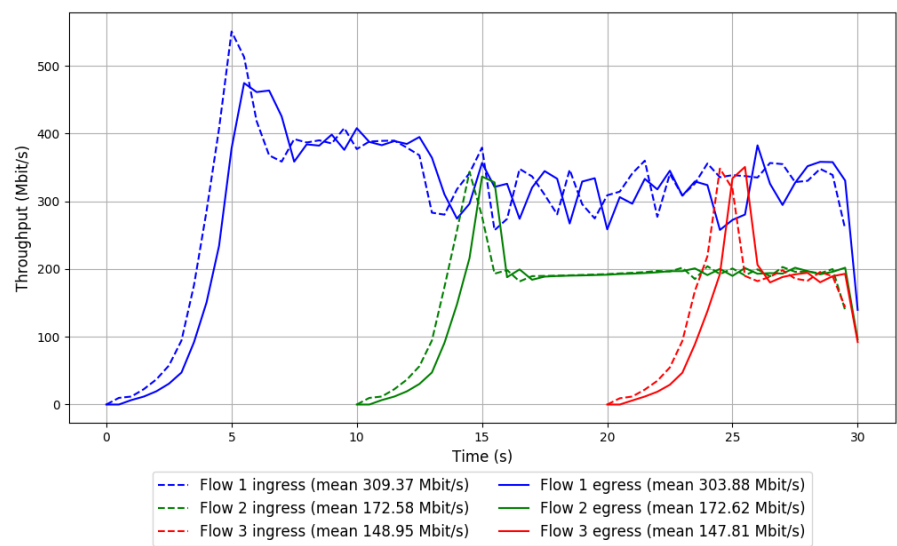


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-02 21:11:01
End at: 2018-08-02 21:11:31
Local clock offset: -0.09 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-08-03 02:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.03 Mbit/s
95th percentile per-packet one-way delay: 243.064 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 303.88 Mbit/s
95th percentile per-packet one-way delay: 256.738 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 172.62 Mbit/s
95th percentile per-packet one-way delay: 138.471 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 147.81 Mbit/s
95th percentile per-packet one-way delay: 143.075 ms
Loss rate: 3.50%
```

Run 2: Report of PCC-Expr — Data Link

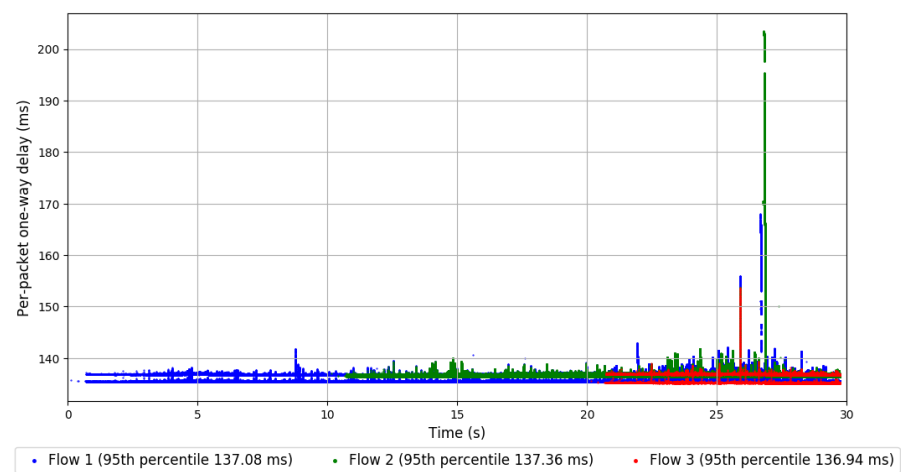
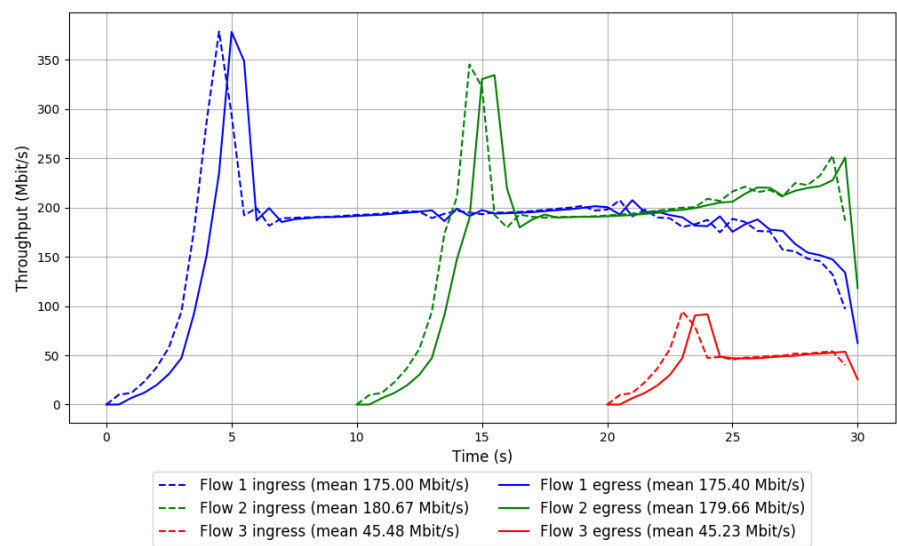


Run 3: Statistics of PCC-Expr

Start at: 2018-08-02 21:38:21
End at: 2018-08-02 21:38:51
Local clock offset: -0.053 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-08-03 02:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.95 Mbit/s
95th percentile per-packet one-way delay: 137.143 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 175.40 Mbit/s
95th percentile per-packet one-way delay: 137.080 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 179.66 Mbit/s
95th percentile per-packet one-way delay: 137.362 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 136.938 ms
Loss rate: 3.28%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-02 22:04:54

End at: 2018-08-02 22:05:24

Local clock offset: 0.008 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2018-08-03 02:52:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.37 Mbit/s

95th percentile per-packet one-way delay: 136.224 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 173.53 Mbit/s

95th percentile per-packet one-way delay: 136.223 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 154.60 Mbit/s

95th percentile per-packet one-way delay: 136.226 ms

Loss rate: 1.49%

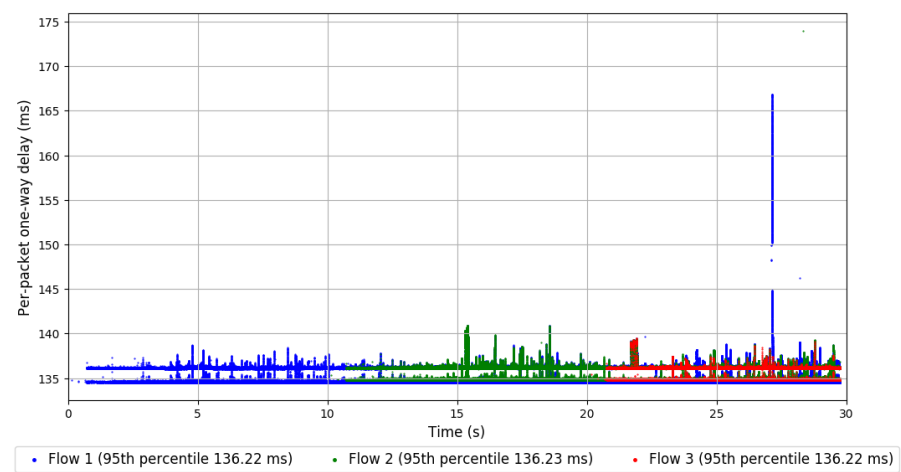
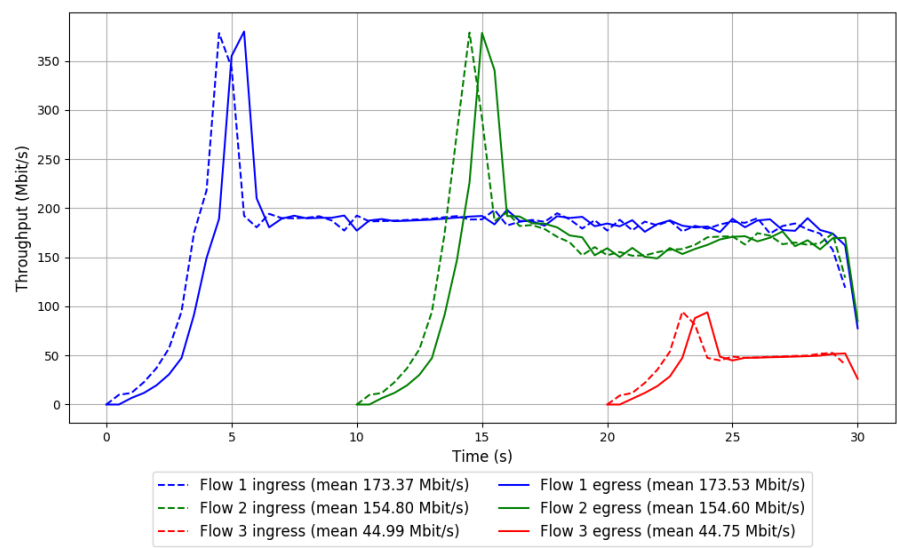
-- Flow 3:

Average throughput: 44.75 Mbit/s

95th percentile per-packet one-way delay: 136.219 ms

Loss rate: 3.27%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-02 22:31:46

End at: 2018-08-02 22:32:16

Local clock offset: 0.045 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-08-03 02:56:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.62 Mbit/s

95th percentile per-packet one-way delay: 267.324 ms

Loss rate: 2.10%

-- Flow 1:

Average throughput: 292.87 Mbit/s

95th percentile per-packet one-way delay: 225.538 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 238.84 Mbit/s

95th percentile per-packet one-way delay: 281.274 ms

Loss rate: 2.94%

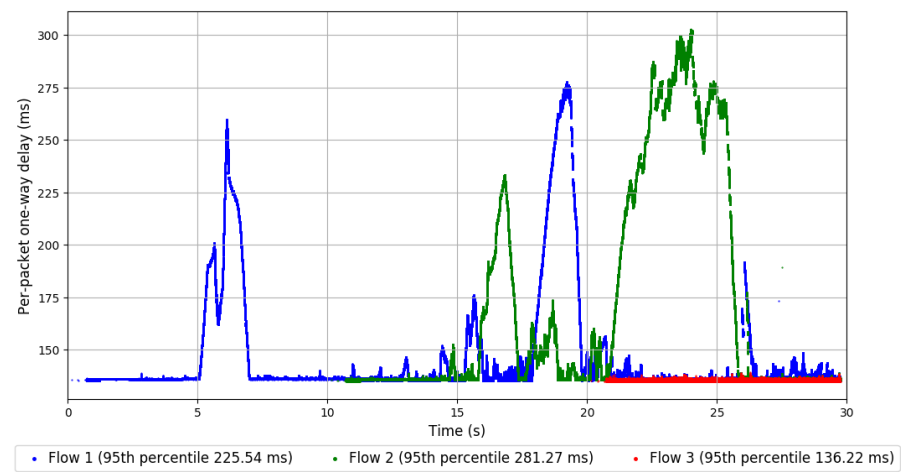
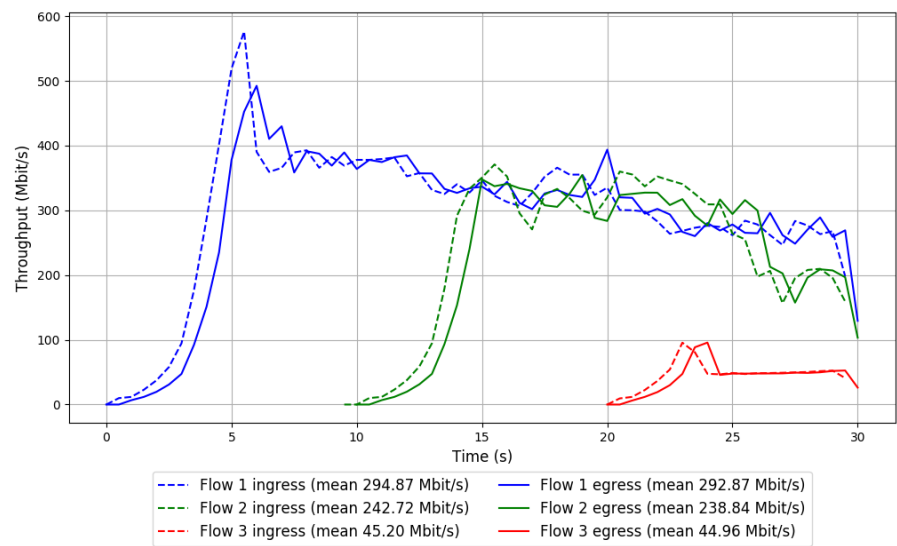
-- Flow 3:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 136.223 ms

Loss rate: 3.24%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-02 22:59:06

End at: 2018-08-02 22:59:36

Local clock offset: -0.037 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2018-08-03 02:58:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 459.02 Mbit/s

95th percentile per-packet one-way delay: 285.700 ms

Loss rate: 3.70%

-- Flow 1:

Average throughput: 298.54 Mbit/s

95th percentile per-packet one-way delay: 303.026 ms

Loss rate: 4.09%

-- Flow 2:

Average throughput: 168.95 Mbit/s

95th percentile per-packet one-way delay: 222.579 ms

Loss rate: 2.76%

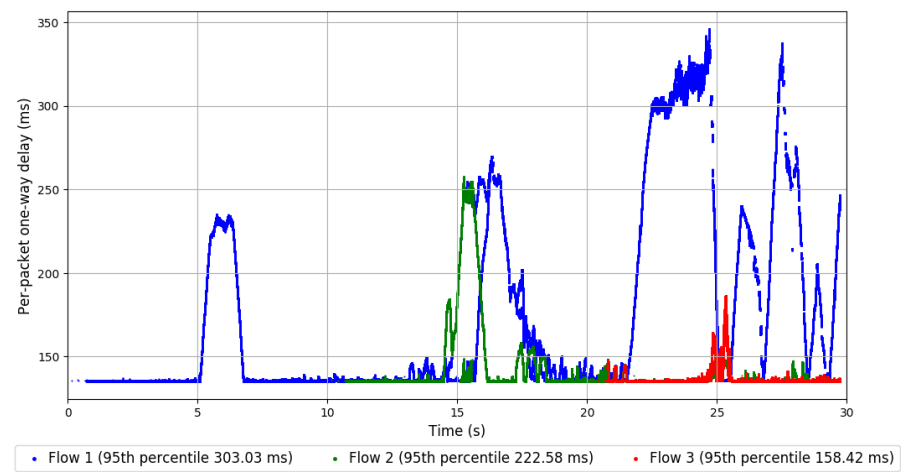
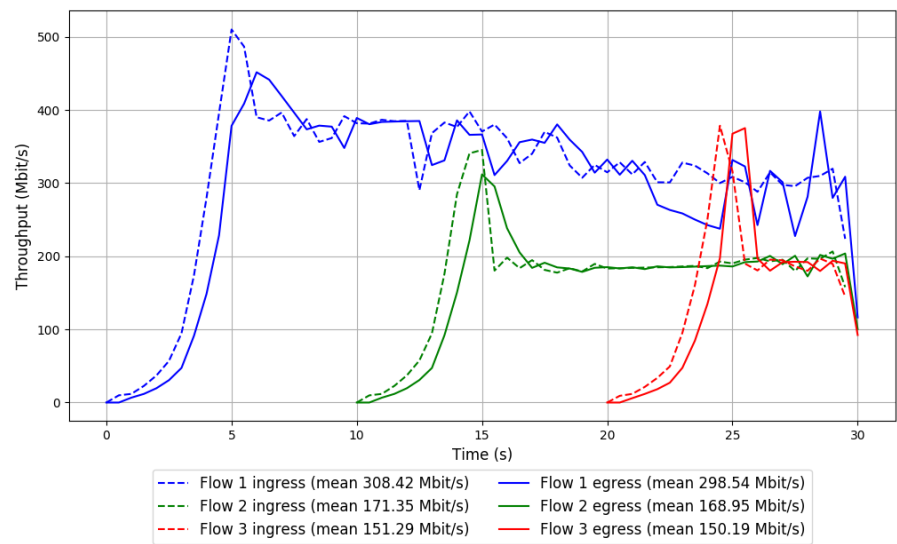
-- Flow 3:

Average throughput: 150.19 Mbit/s

95th percentile per-packet one-way delay: 158.418 ms

Loss rate: 3.48%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-02 23:26:11

End at: 2018-08-02 23:26:41

Local clock offset: 0.054 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-08-03 03:01:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 478.64 Mbit/s

95th percentile per-packet one-way delay: 235.634 ms

Loss rate: 2.31%

-- Flow 1:

Average throughput: 318.33 Mbit/s

95th percentile per-packet one-way delay: 244.699 ms

Loss rate: 2.21%

-- Flow 2:

Average throughput: 172.10 Mbit/s

95th percentile per-packet one-way delay: 182.087 ms

Loss rate: 1.65%

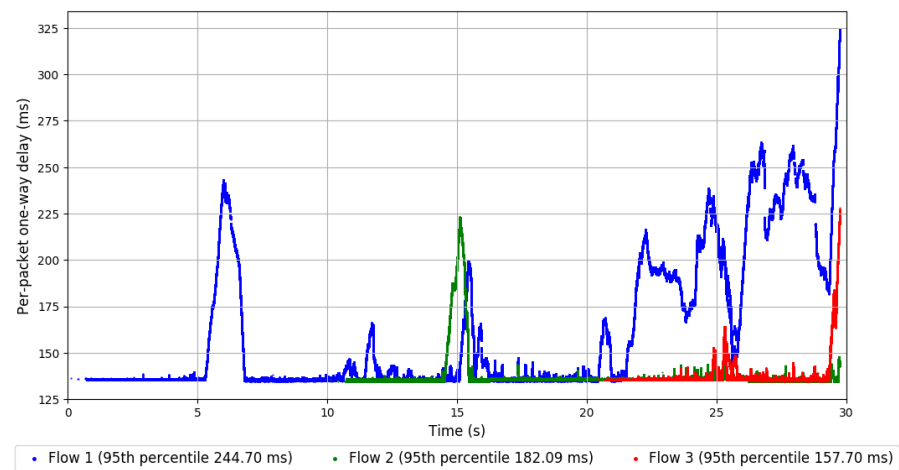
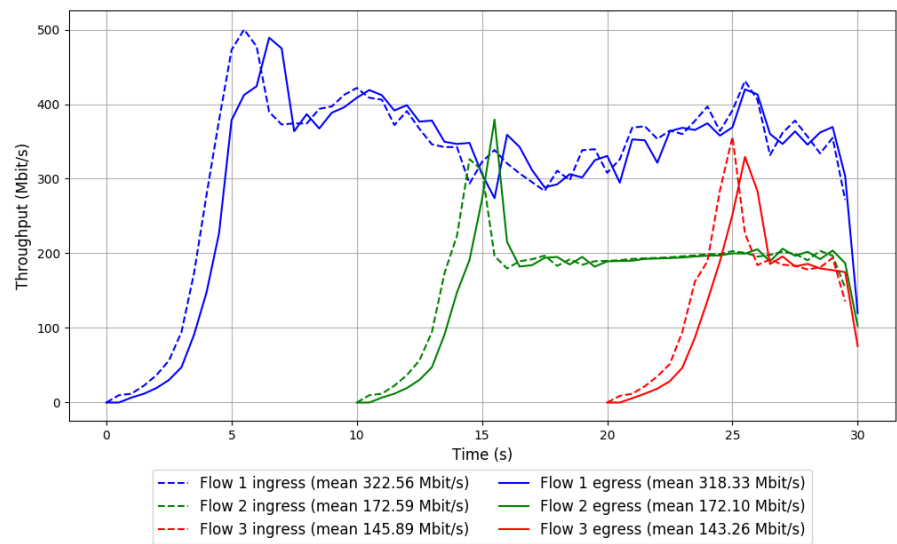
-- Flow 3:

Average throughput: 143.26 Mbit/s

95th percentile per-packet one-way delay: 157.703 ms

Loss rate: 4.52%

Run 7: Report of PCC-Expr — Data Link

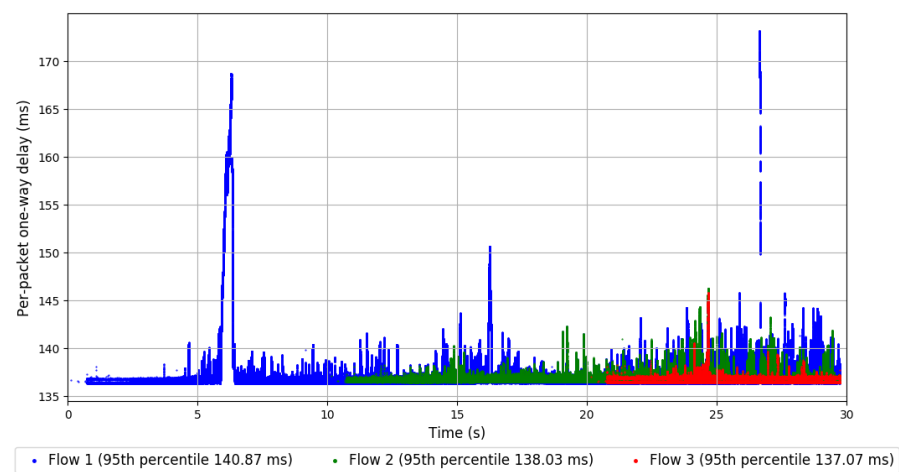
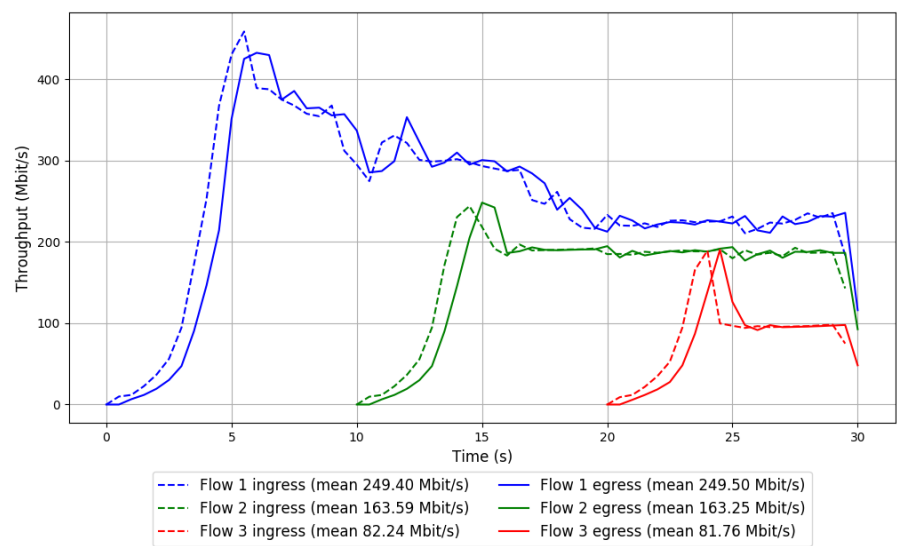


Run 8: Statistics of PCC-Expr

Start at: 2018-08-02 23:53:42
End at: 2018-08-02 23:54:12
Local clock offset: -0.004 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-08-03 03:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.03 Mbit/s
95th percentile per-packet one-way delay: 139.762 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 249.50 Mbit/s
95th percentile per-packet one-way delay: 140.865 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 163.25 Mbit/s
95th percentile per-packet one-way delay: 138.034 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 81.76 Mbit/s
95th percentile per-packet one-way delay: 137.075 ms
Loss rate: 3.32%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-03 00:21:09

End at: 2018-08-03 00:21:39

Local clock offset: 0.222 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-08-03 03:03:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 447.57 Mbit/s

95th percentile per-packet one-way delay: 238.208 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 286.70 Mbit/s

95th percentile per-packet one-way delay: 247.154 ms

Loss rate: 1.99%

-- Flow 2:

Average throughput: 171.96 Mbit/s

95th percentile per-packet one-way delay: 138.014 ms

Loss rate: 1.62%

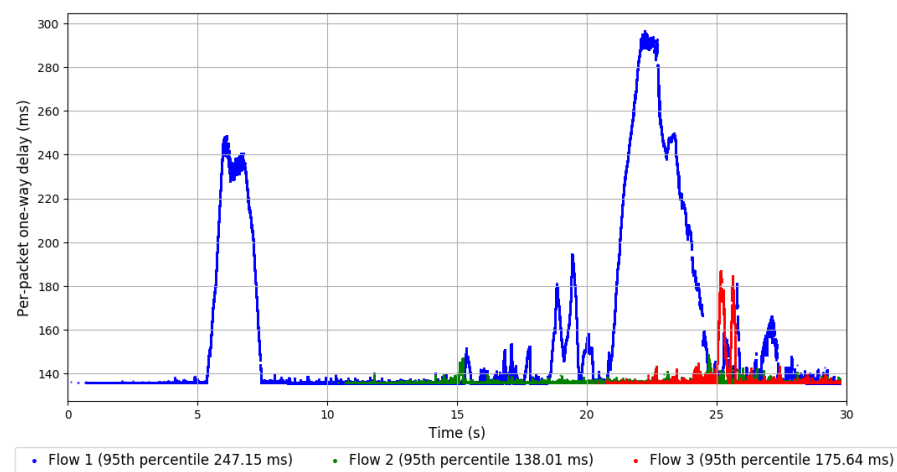
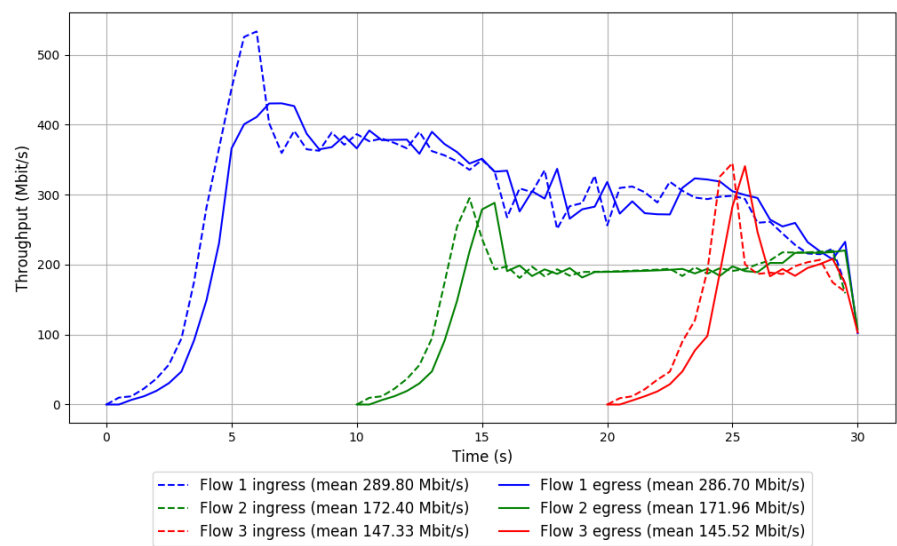
-- Flow 3:

Average throughput: 145.52 Mbit/s

95th percentile per-packet one-way delay: 175.641 ms

Loss rate: 3.95%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-03 00:48:48

End at: 2018-08-03 00:49:18

Local clock offset: -0.09 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-08-03 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 468.06 Mbit/s

95th percentile per-packet one-way delay: 230.816 ms

Loss rate: 1.93%

-- Flow 1:

Average throughput: 310.44 Mbit/s

95th percentile per-packet one-way delay: 243.283 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 167.54 Mbit/s

95th percentile per-packet one-way delay: 138.551 ms

Loss rate: 2.04%

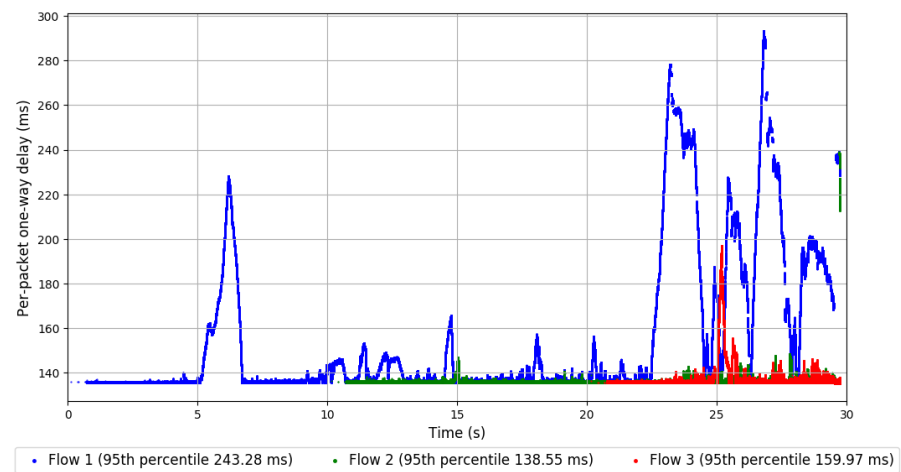
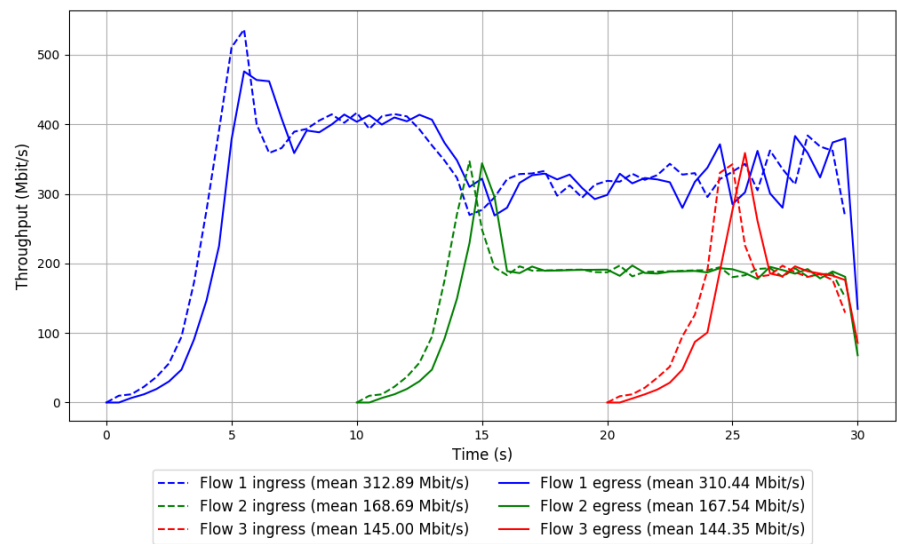
-- Flow 3:

Average throughput: 144.35 Mbit/s

95th percentile per-packet one-way delay: 159.969 ms

Loss rate: 3.20%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-02 20:41:56

End at: 2018-08-02 20:42:26

Local clock offset: -0.016 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2018-08-03 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.71 Mbit/s

95th percentile per-packet one-way delay: 135.881 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 58.28 Mbit/s

95th percentile per-packet one-way delay: 135.897 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 60.97 Mbit/s

95th percentile per-packet one-way delay: 135.863 ms

Loss rate: 0.47%

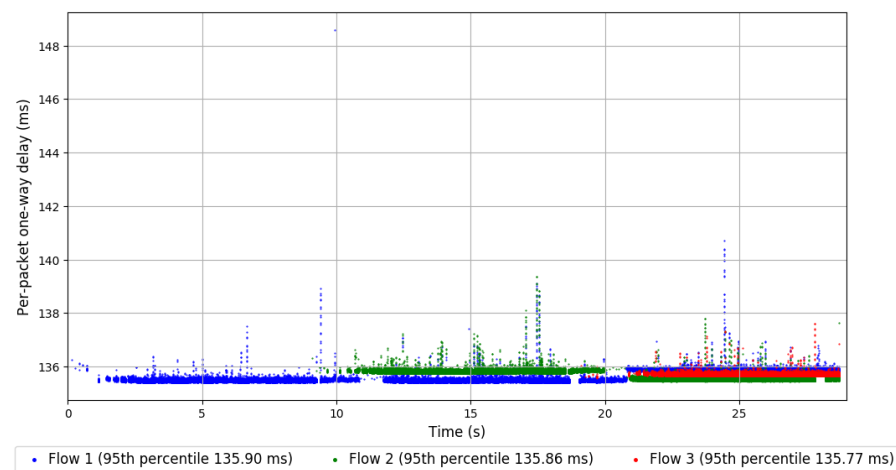
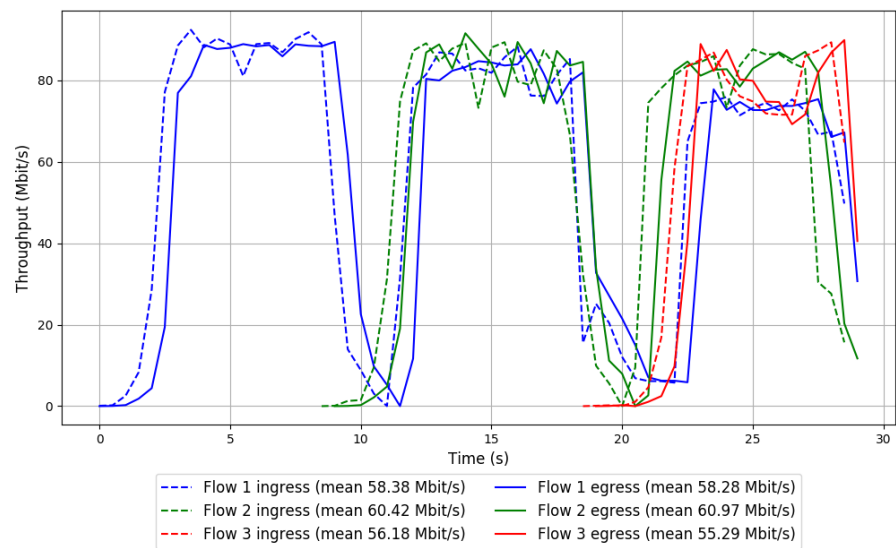
-- Flow 3:

Average throughput: 55.29 Mbit/s

95th percentile per-packet one-way delay: 135.773 ms

Loss rate: 4.30%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-02 21:09:39

End at: 2018-08-02 21:10:09

Local clock offset: 0.041 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-08-03 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.13 Mbit/s

95th percentile per-packet one-way delay: 136.159 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 135.909 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 61.30 Mbit/s

95th percentile per-packet one-way delay: 136.190 ms

Loss rate: 0.81%

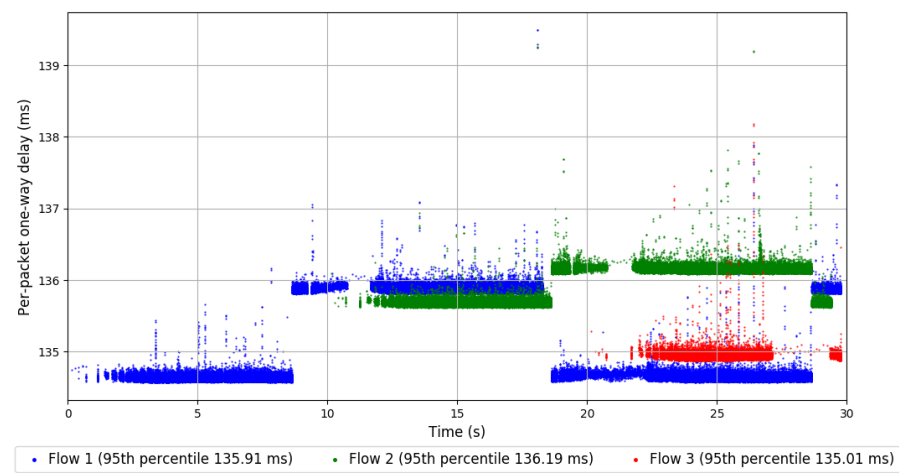
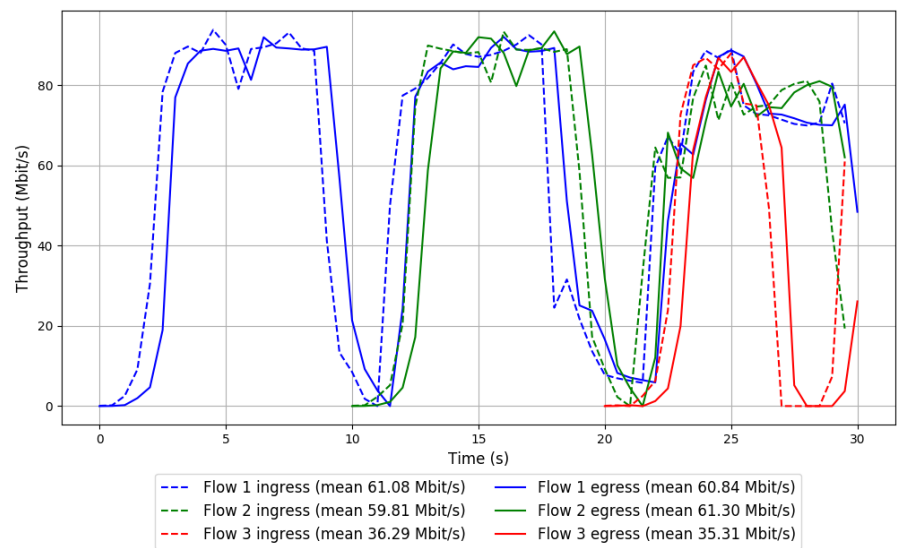
-- Flow 3:

Average throughput: 35.31 Mbit/s

95th percentile per-packet one-way delay: 135.010 ms

Loss rate: 5.36%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-02 21:36:59

End at: 2018-08-02 21:37:29

Local clock offset: 0.021 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2018-08-03 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.84 Mbit/s

95th percentile per-packet one-way delay: 136.011 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 50.76 Mbit/s

95th percentile per-packet one-way delay: 135.790 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 51.75 Mbit/s

95th percentile per-packet one-way delay: 136.047 ms

Loss rate: 0.12%

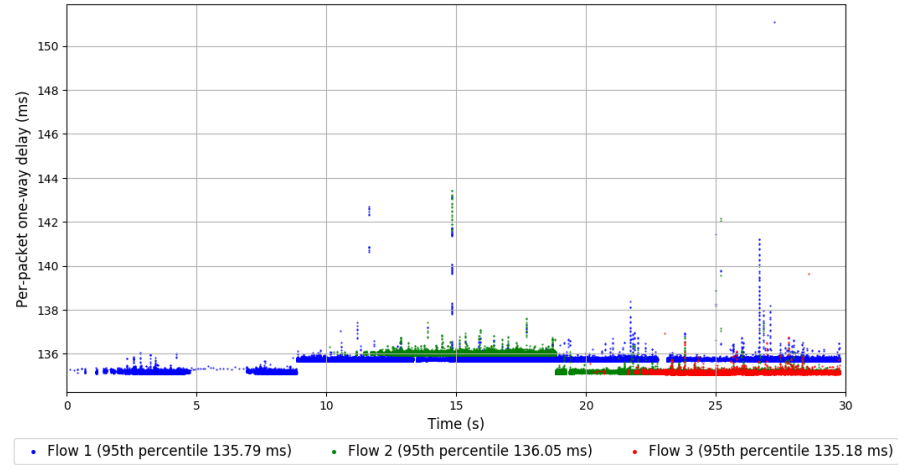
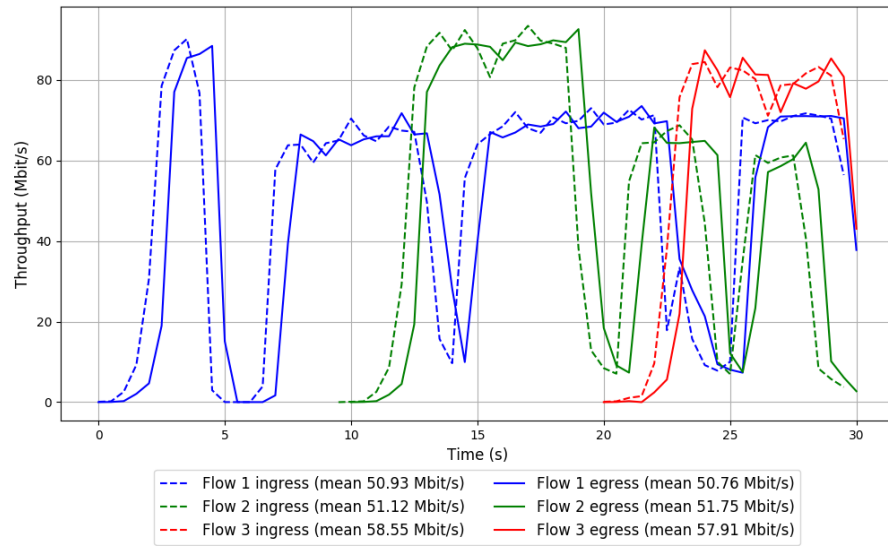
-- Flow 3:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 135.183 ms

Loss rate: 3.81%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-02 22:03:32

End at: 2018-08-02 22:04:02

Local clock offset: 0.177 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-08-03 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.69 Mbit/s

95th percentile per-packet one-way delay: 136.440 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 59.73 Mbit/s

95th percentile per-packet one-way delay: 135.435 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 60.83 Mbit/s

95th percentile per-packet one-way delay: 136.475 ms

Loss rate: 0.46%

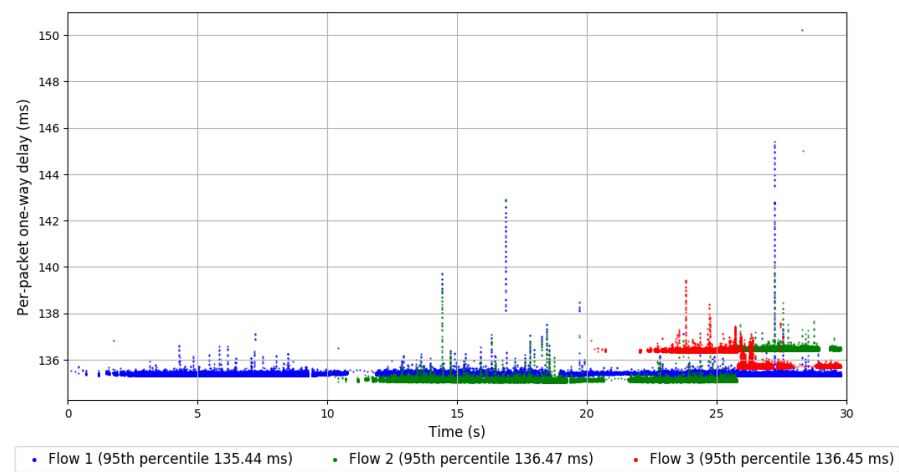
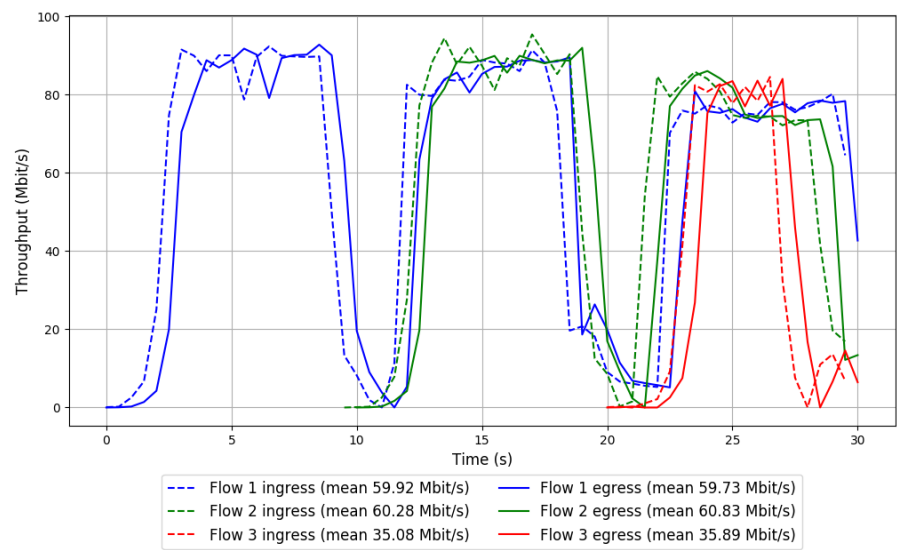
-- Flow 3:

Average throughput: 35.89 Mbit/s

95th percentile per-packet one-way delay: 136.446 ms

Loss rate: 0.54%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-02 22:30:24

End at: 2018-08-02 22:30:54

Local clock offset: 0.082 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-08-03 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.29 Mbit/s

95th percentile per-packet one-way delay: 135.621 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 135.002 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 135.647 ms

Loss rate: 0.42%

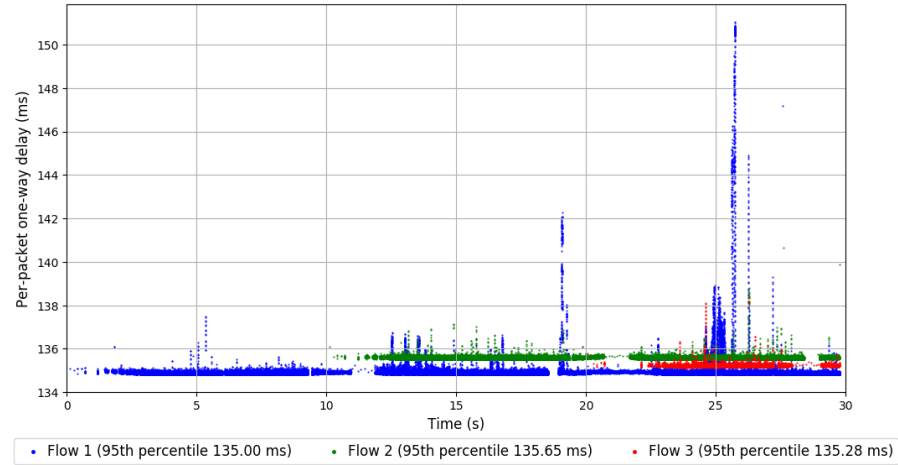
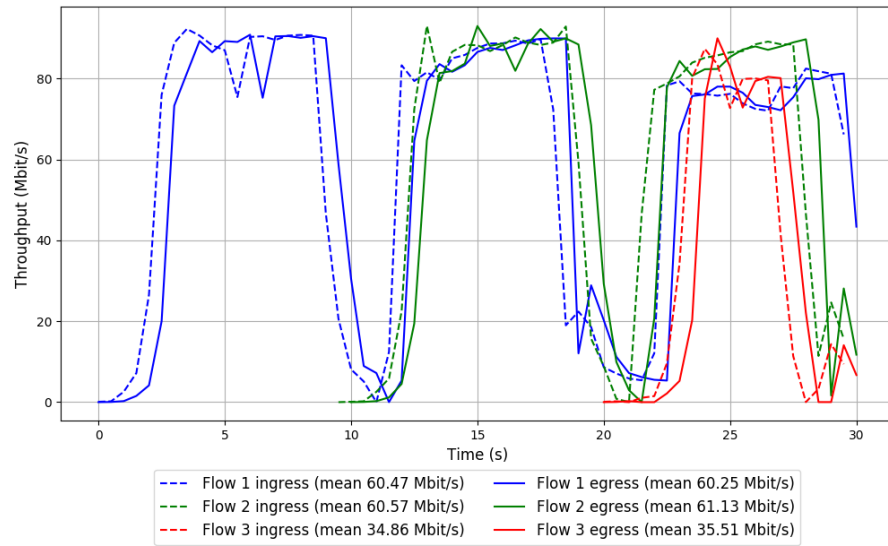
-- Flow 3:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 135.275 ms

Loss rate: 0.91%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-02 22:57:44

End at: 2018-08-02 22:58:14

Local clock offset: 0.12 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-08-03 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.15 Mbit/s

95th percentile per-packet one-way delay: 135.690 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 59.36 Mbit/s

95th percentile per-packet one-way delay: 135.728 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 60.61 Mbit/s

95th percentile per-packet one-way delay: 135.651 ms

Loss rate: 0.00%

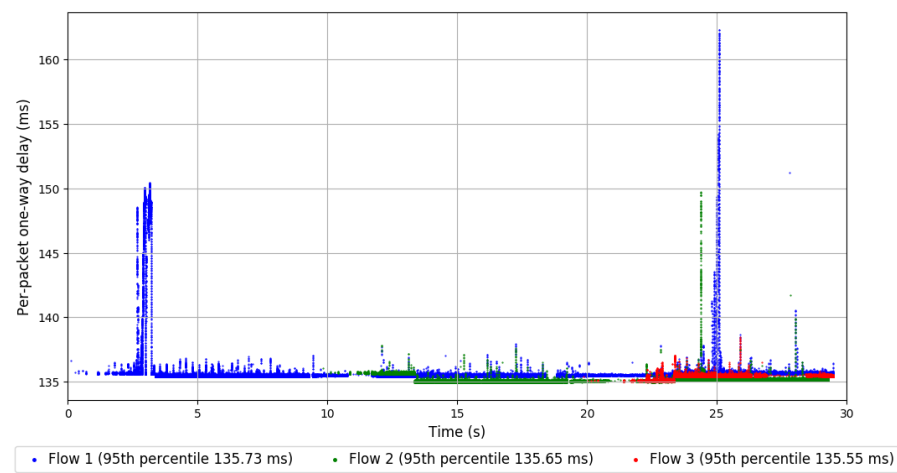
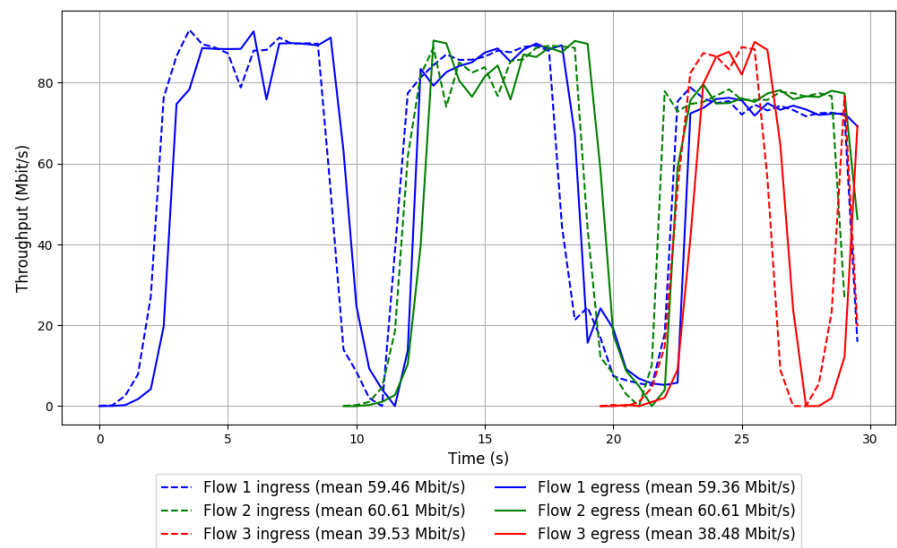
-- Flow 3:

Average throughput: 38.48 Mbit/s

95th percentile per-packet one-way delay: 135.546 ms

Loss rate: 5.35%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-02 23:24:48

End at: 2018-08-02 23:25:18

Local clock offset: 0.325 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-08-03 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.13 Mbit/s

95th percentile per-packet one-way delay: 136.583 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 136.598 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 60.81 Mbit/s

95th percentile per-packet one-way delay: 136.192 ms

Loss rate: 0.00%

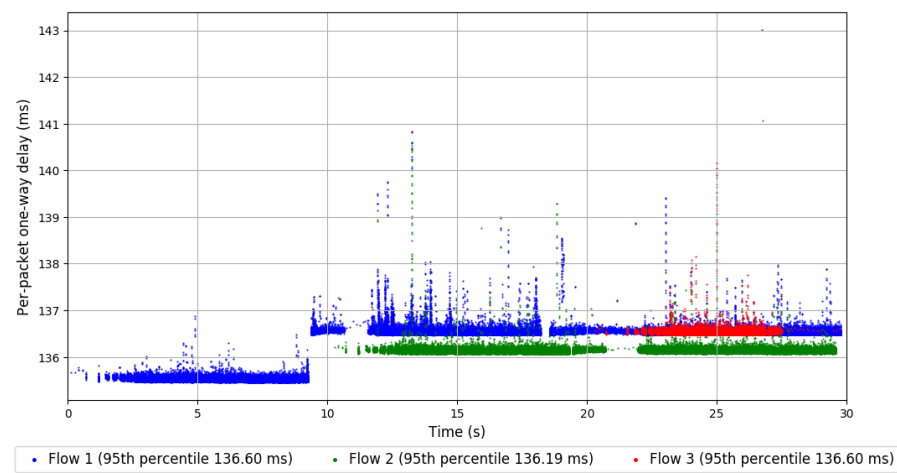
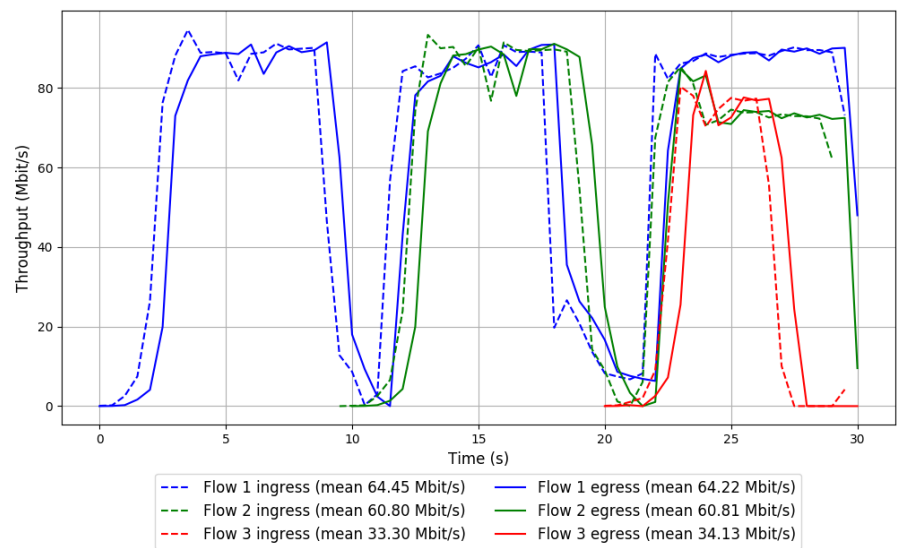
-- Flow 3:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 136.600 ms

Loss rate: 0.64%

Run 7: Report of QUIC Cubic — Data Link

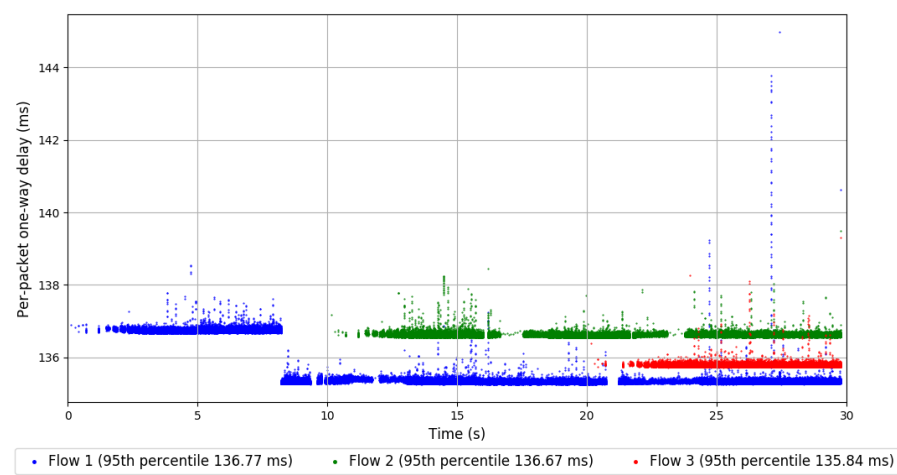
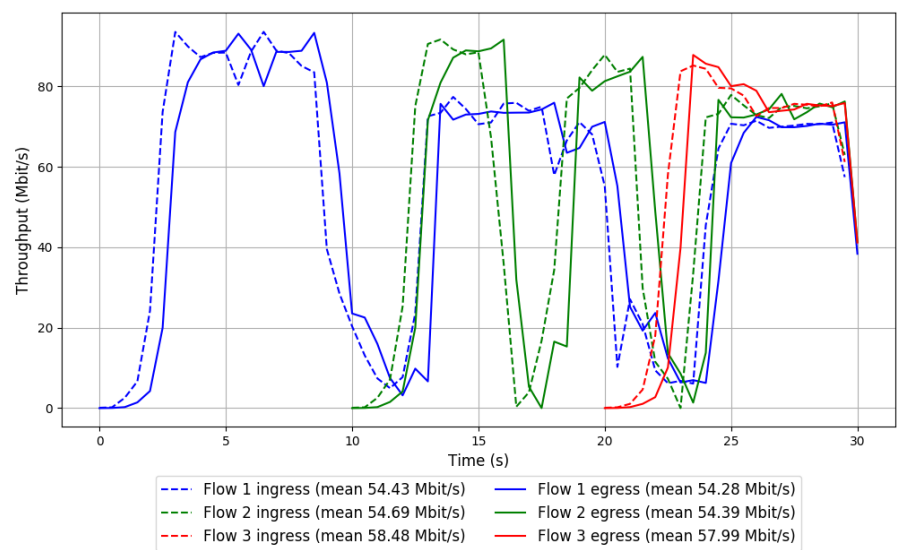


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-02 23:52:19
End at: 2018-08-02 23:52:49
Local clock offset: 0.073 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-08-03 03:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.14 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 54.28 Mbit/s
95th percentile per-packet one-way delay: 136.766 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 135.836 ms
Loss rate: 3.52%

Run 8: Report of QUIC Cubic — Data Link

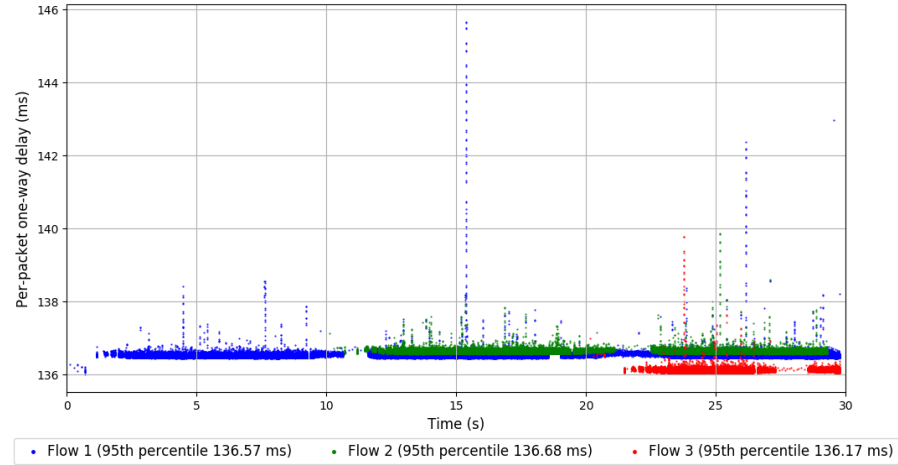
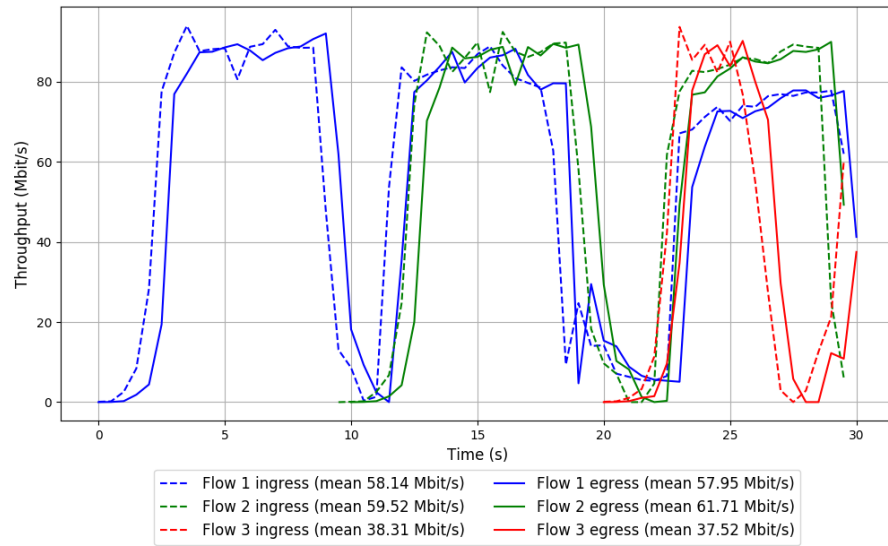


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-03 00:19:47
End at: 2018-08-03 00:20:17
Local clock offset: 0.052 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-08-03 03:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.01 Mbit/s
95th percentile per-packet one-way delay: 136.649 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 136.570 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 136.676 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 136.171 ms
Loss rate: 4.77%

Run 9: Report of QUIC Cubic — Data Link

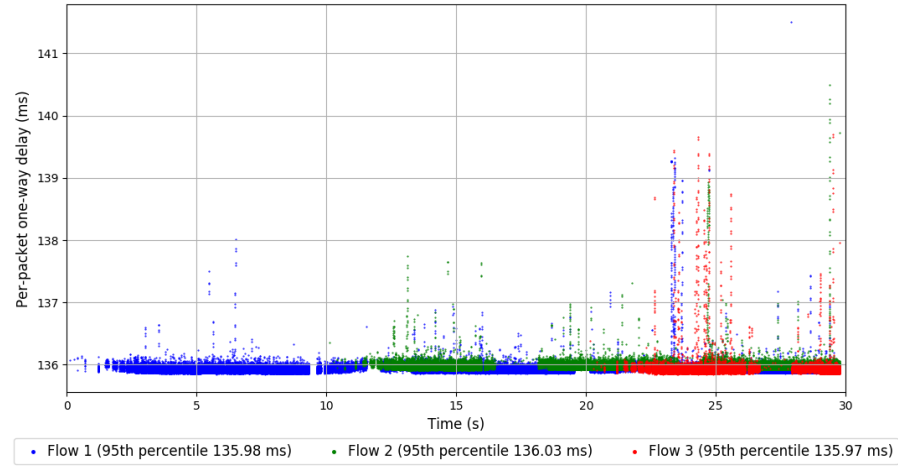
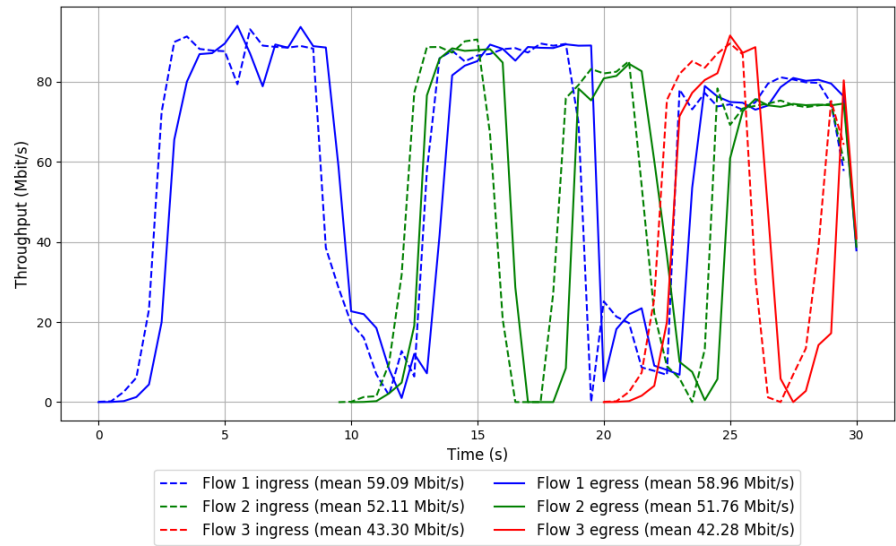


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-03 00:47:26
End at: 2018-08-03 00:47:56
Local clock offset: -0.247 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-03 03:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.98 Mbit/s
95th percentile per-packet one-way delay: 136.008 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 135.976 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 136.032 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 135.975 ms
Loss rate: 5.05%

Run 10: Report of QUIC Cubic — Data Link

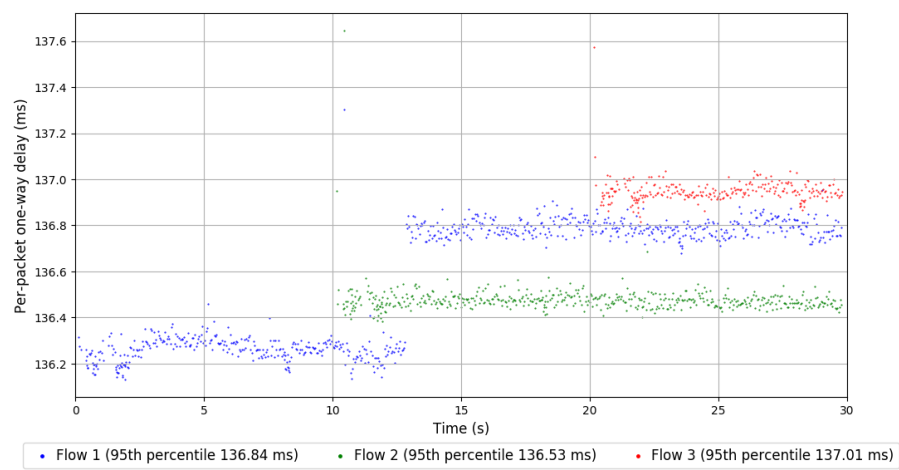
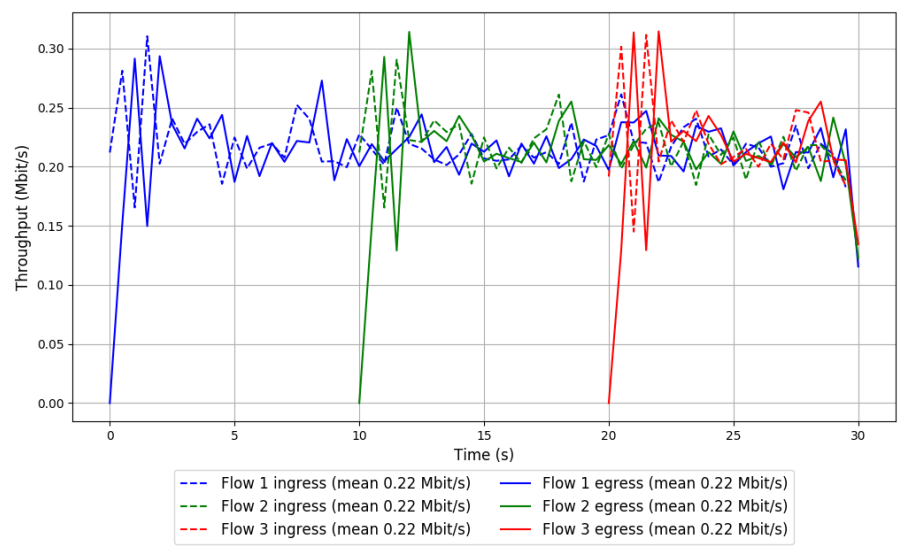


```
Run 1: Statistics of SReAM

Start at: 2018-08-02 20:26:15
End at: 2018-08-02 20:26:45
Local clock offset: 0.101 ms
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2018-08-03 03:04:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.964 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.842 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.529 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.012 ms
Loss rate: 2.25%
```


Run 1: Report of SReAM — Data Link

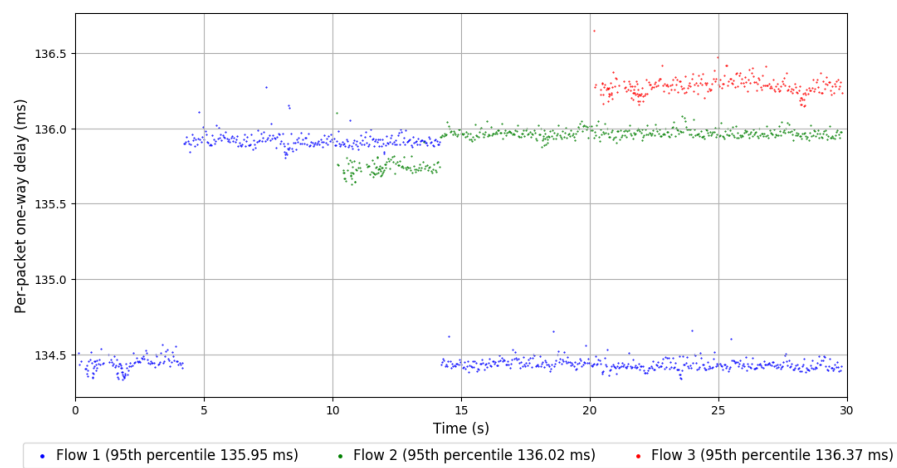
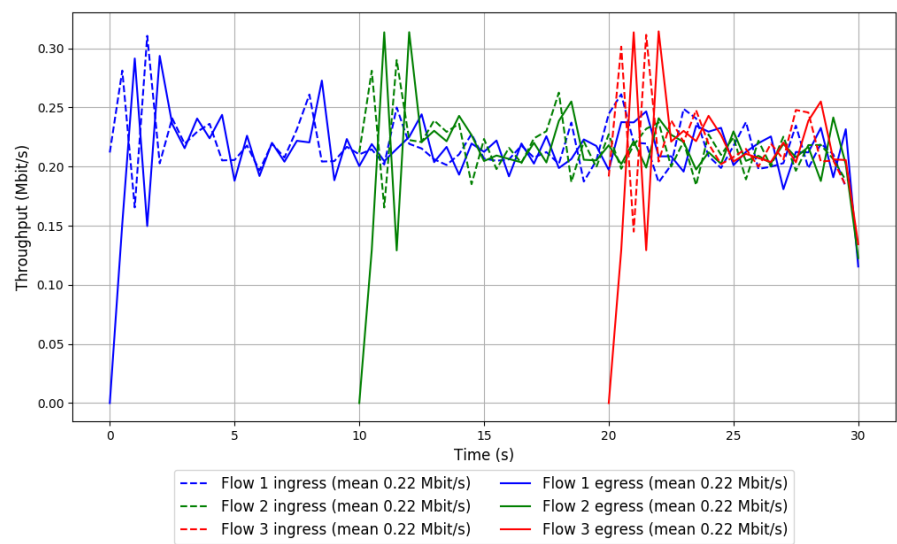


```
Run 2: Statistics of SReAM

Start at: 2018-08-02 20:53:14
End at: 2018-08-02 20:53:44
Local clock offset: 0.083 ms
Remote clock offset: 0.395 ms

# Below is generated by plot.py at 2018-08-03 03:04:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.301 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.954 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.018 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.368 ms
Loss rate: 2.25%
```

Run 2: Report of SCSReAM — Data Link

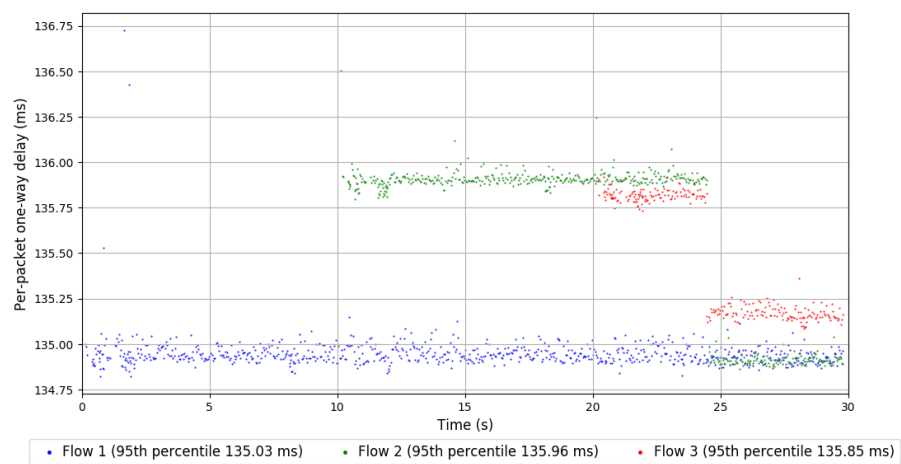
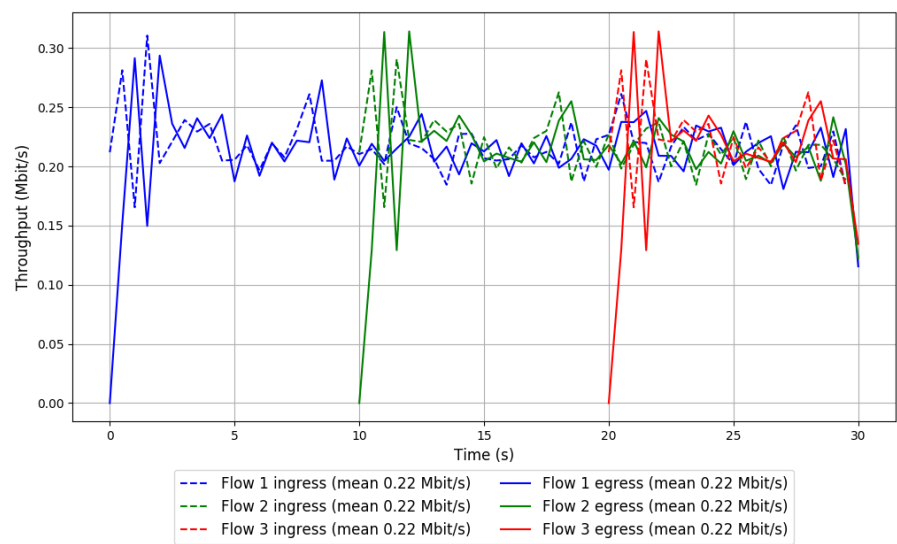


Run 3: Statistics of SCReAM

Start at: 2018-08-02 21:21:03
End at: 2018-08-02 21:21:33
Local clock offset: 0.181 ms
Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 135.923 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.031 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.955 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.853 ms
Loss rate: 2.59%

Run 3: Report of SReAM — Data Link

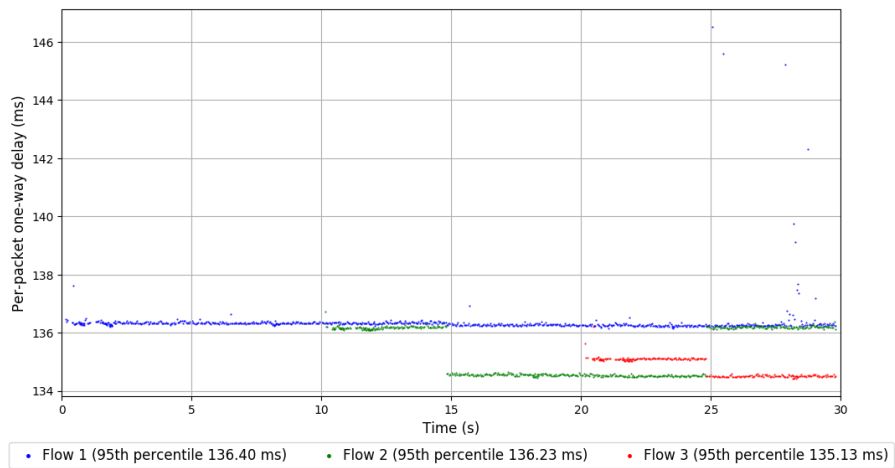
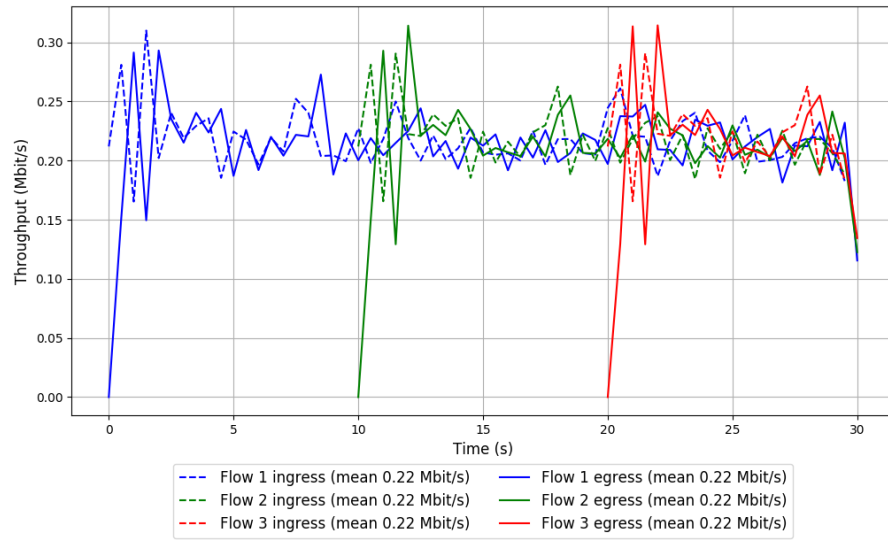


Run 4: Statistics of SReAM

Start at: 2018-08-02 21:48:03
End at: 2018-08-02 21:48:33
Local clock offset: -0.167 ms
Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.373 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.399 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.230 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.135 ms
Loss rate: 2.59%

Run 4: Report of SReAM — Data Link

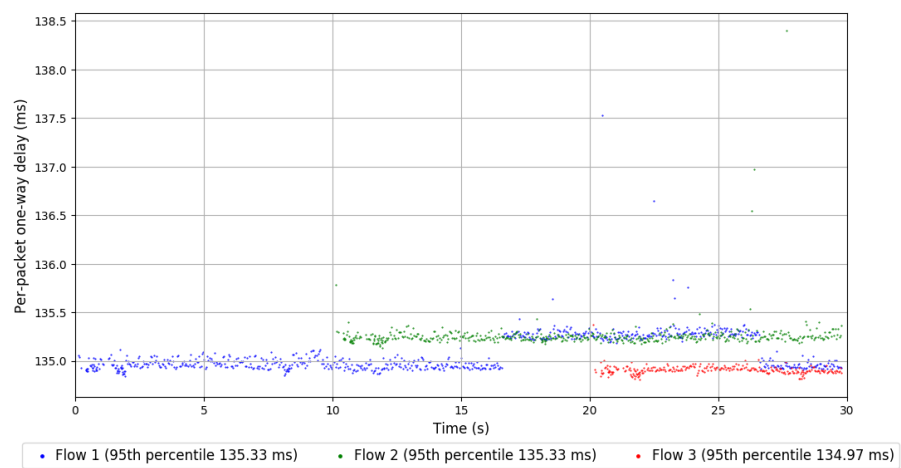
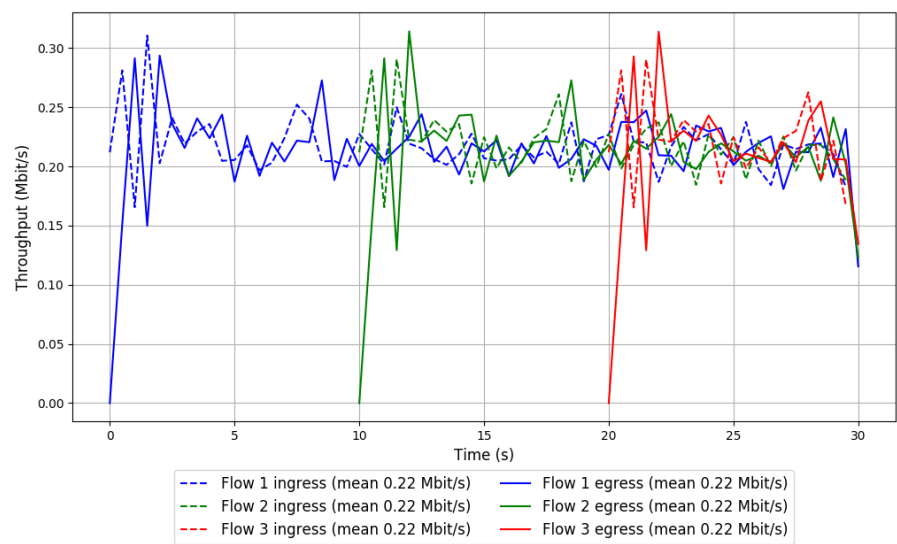


Run 5: Statistics of SReAM

Start at: 2018-08-02 22:14:41
End at: 2018-08-02 22:15:11
Local clock offset: -0.048 ms
Remote clock offset: 0.394 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 135.322 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.326 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.329 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.971 ms
Loss rate: 2.25%

Run 5: Report of SReAM — Data Link

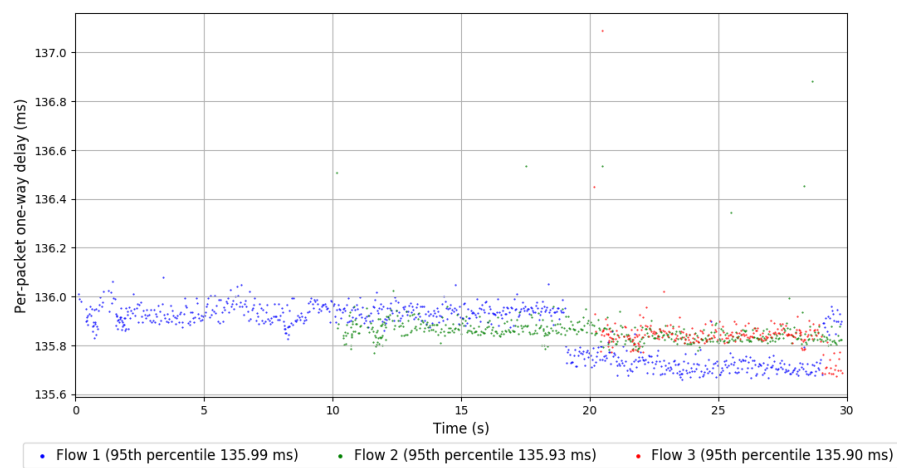
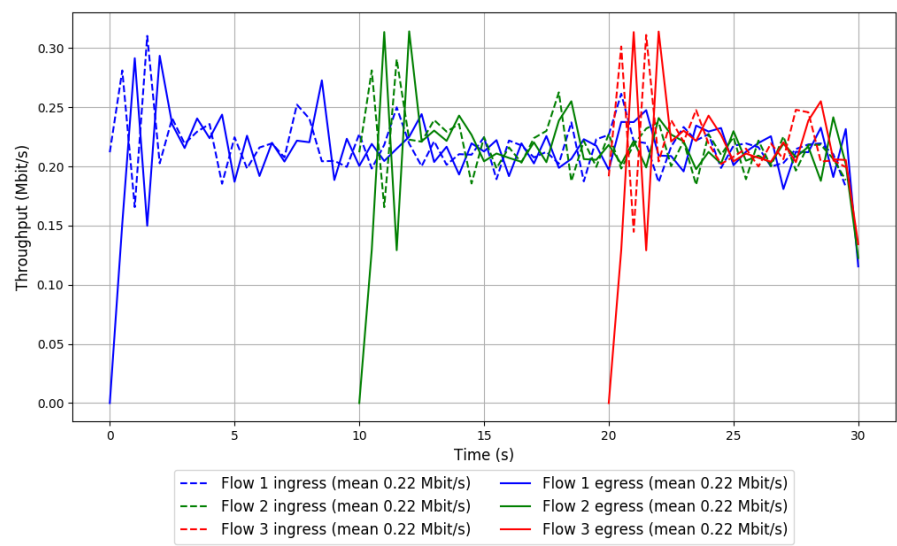


Run 6: Statistics of SReAM

Start at: 2018-08-02 22:41:49
End at: 2018-08-02 22:42:19
Local clock offset: -0.11 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 135.973 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.988 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.925 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.899 ms
Loss rate: 2.59%

Run 6: Report of SReAM — Data Link

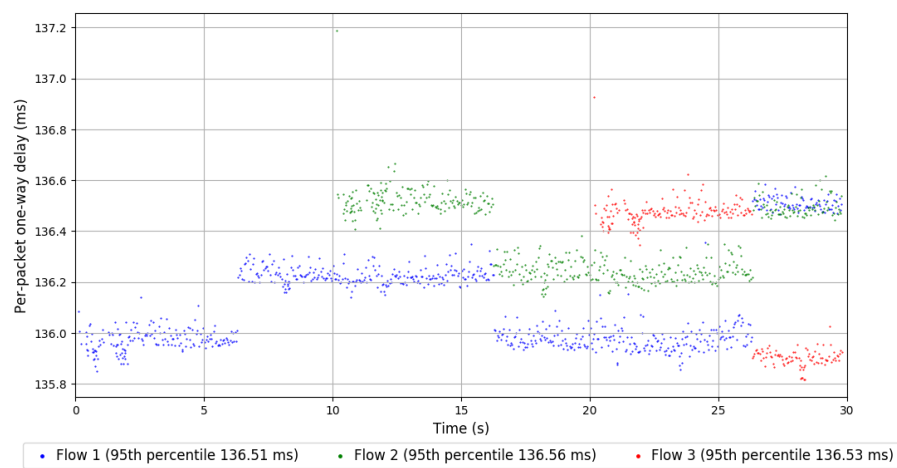
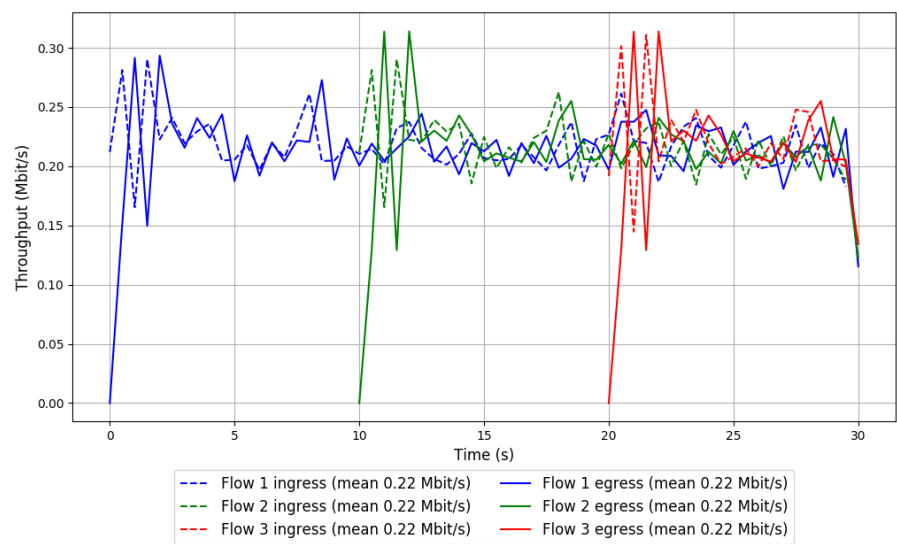


Run 7: Statistics of SReAM

Start at: 2018-08-02 23:09:01
End at: 2018-08-02 23:09:31
Local clock offset: 0.216 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.542 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.563 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.526 ms
Loss rate: 2.59%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-08-02 23:36:16

End at: 2018-08-02 23:36:46

Local clock offset: 0.221 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-08-03 03:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.815 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.809 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.822 ms

Loss rate: 1.43%

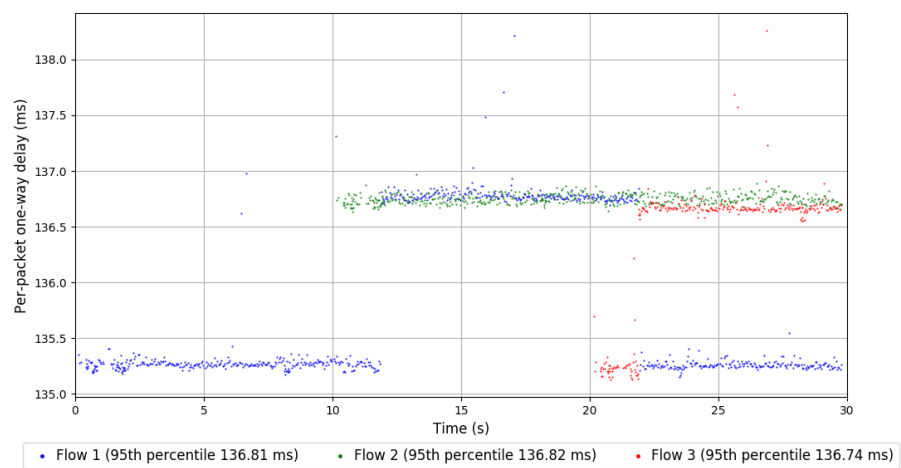
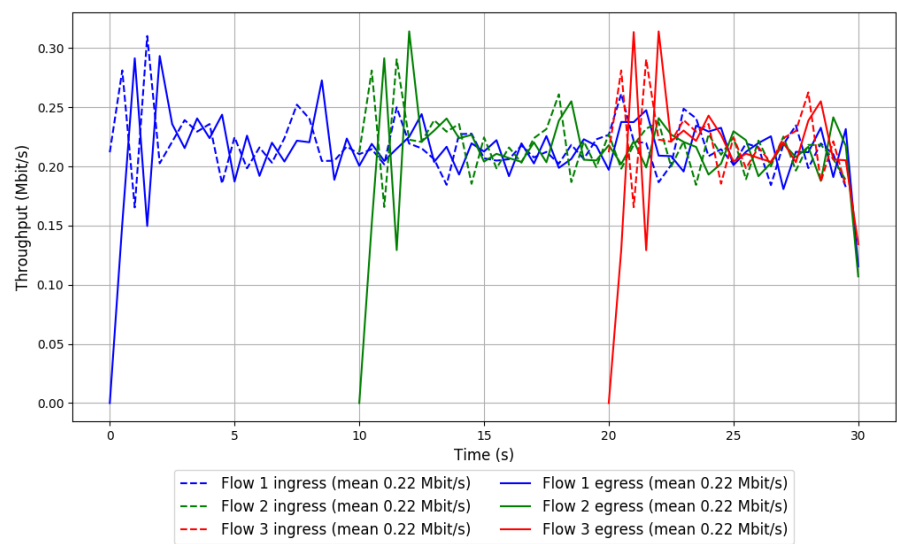
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.736 ms

Loss rate: 2.59%

Run 8: Report of SCSReAM — Data Link

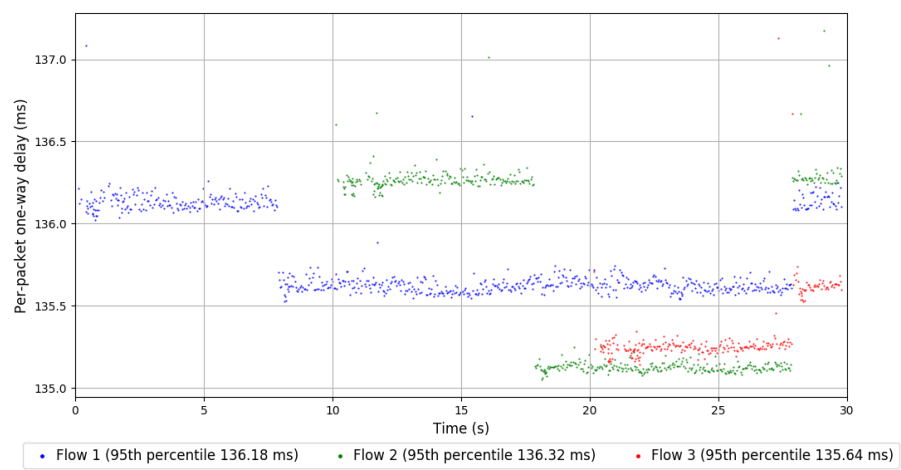
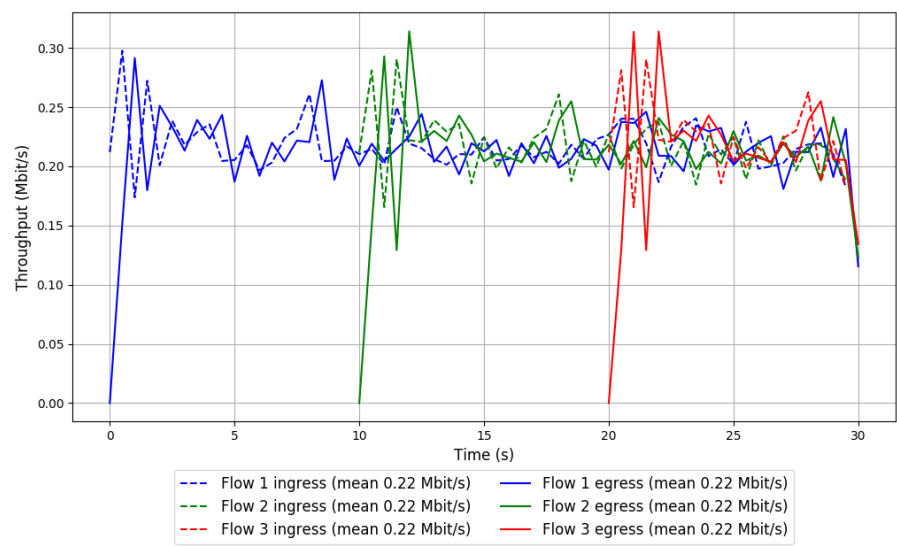


Run 9: Statistics of SReAM

Start at: 2018-08-03 00:03:30
End at: 2018-08-03 00:04:00
Local clock offset: 0.076 ms
Remote clock offset: 0.322 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.279 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.180 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.644 ms
Loss rate: 2.59%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-03 00:31:09

End at: 2018-08-03 00:31:39

Local clock offset: 0.035 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-08-03 03:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.319 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.326 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.999 ms

Loss rate: 1.43%

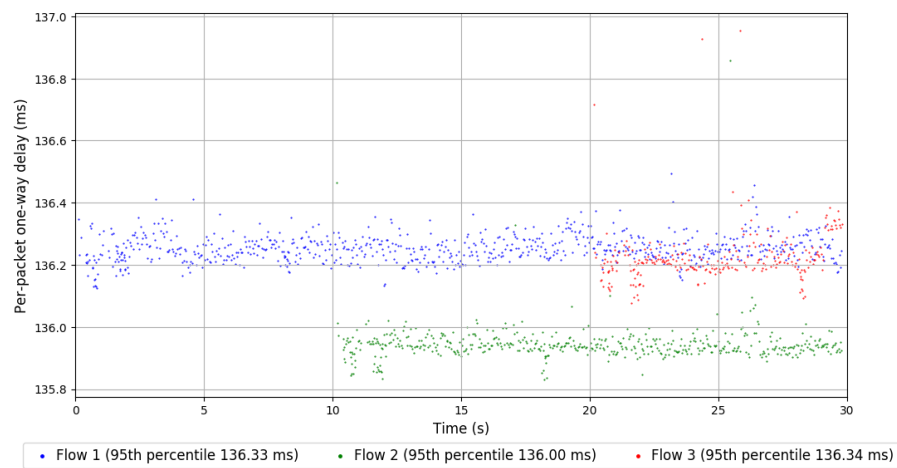
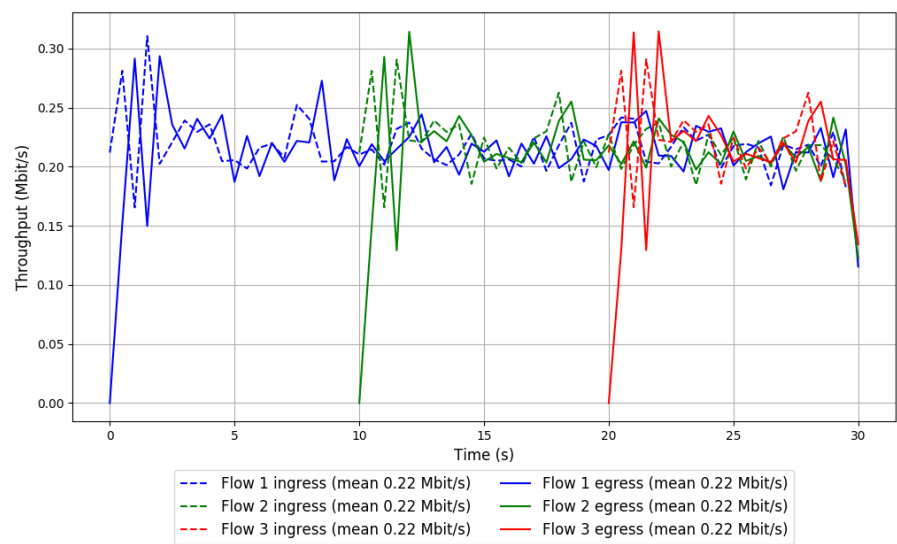
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.344 ms

Loss rate: 2.59%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-02 20:31:17

End at: 2018-08-02 20:31:47

Local clock offset: 0.242 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-08-03 03:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 136.888 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 0.15 Mbit/s

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

Loss rate: 0.81%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 136.836 ms

Loss rate: 0.43%

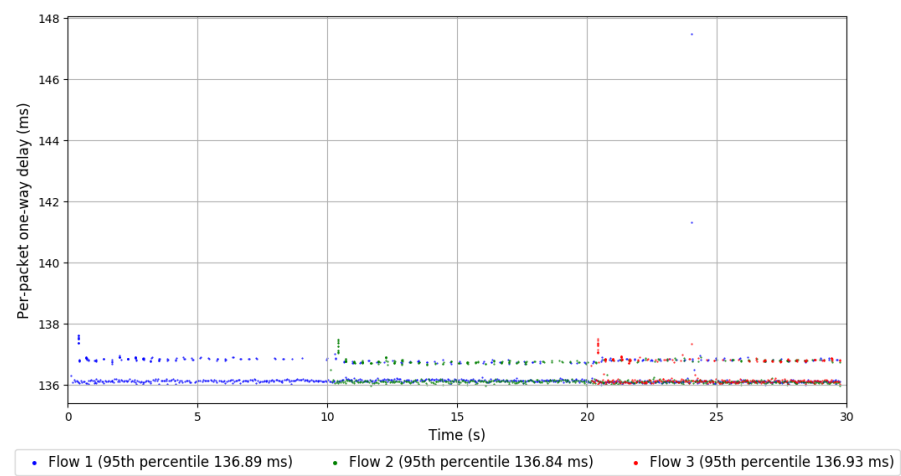
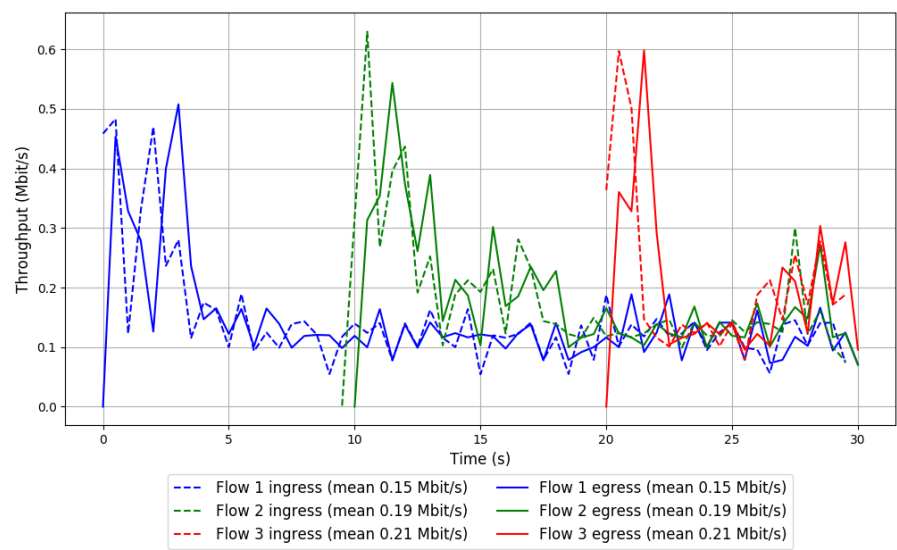
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 136.930 ms

Loss rate: 2.33%

Run 1: Report of Sprout — Data Link

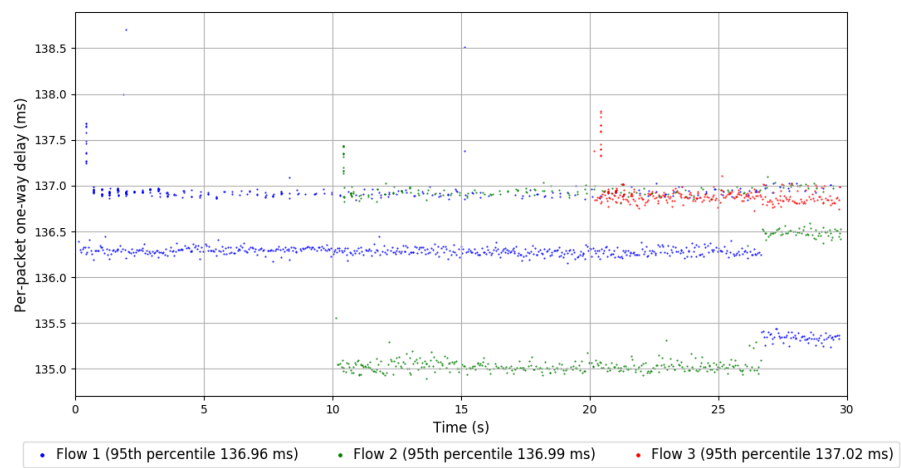
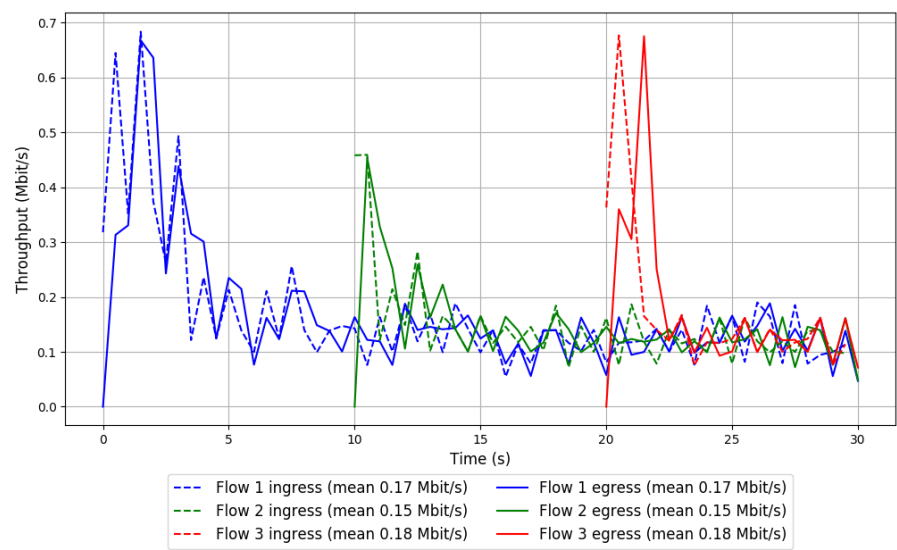


Run 2: Statistics of Sprout

Start at: 2018-08-02 20:58:21
End at: 2018-08-02 20:58:51
Local clock offset: -0.002 ms
Remote clock offset: -0.293 ms

```
# Below is generated by plot.py at 2018-08-03 03:04:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.992 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.964 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.990 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 137.017 ms
Loss rate: 1.32%
```

Run 2: Report of Sprout — Data Link

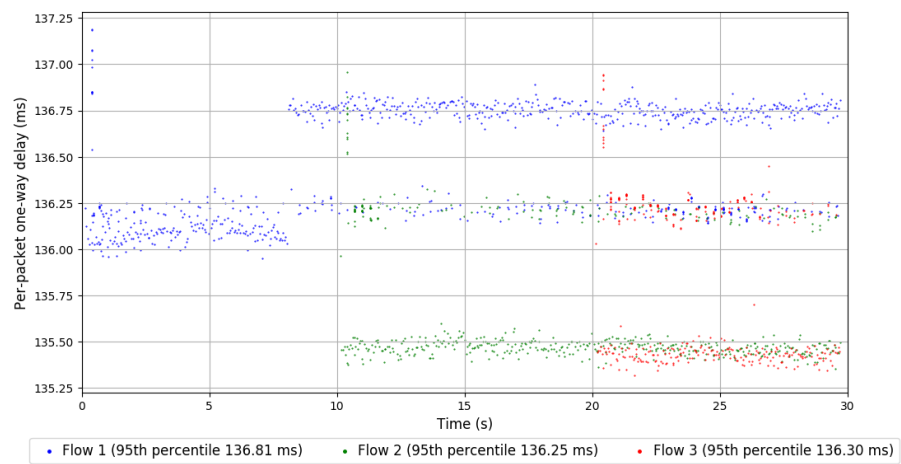
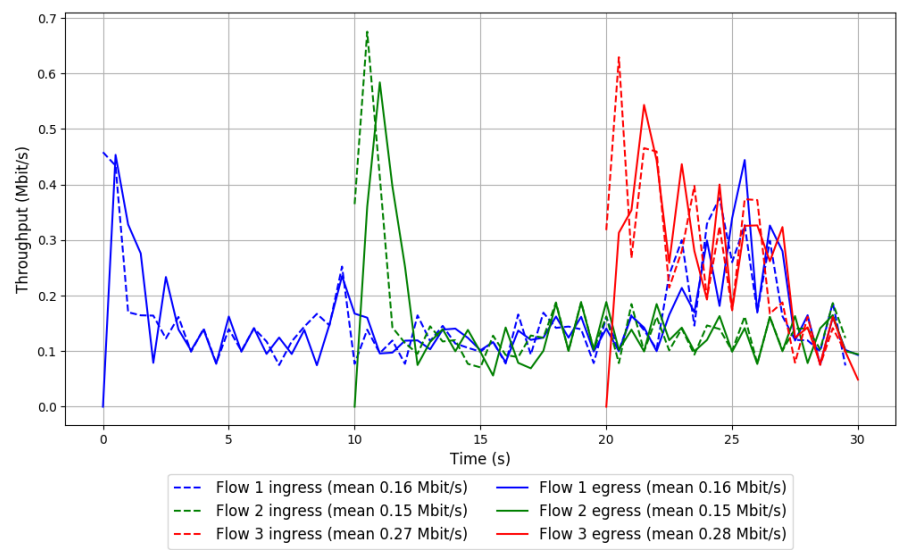


Run 3: Statistics of Sprout

Start at: 2018-08-02 21:26:00
End at: 2018-08-02 21:26:30
Local clock offset: 0.15 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.791 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.806 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 136.297 ms
Loss rate: 1.77%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-02 21:52:54

End at: 2018-08-02 21:53:24

Local clock offset: 0.103 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-08-03 03:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.854 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 136.858 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 0.20 Mbit/s

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

Loss rate: 0.61%

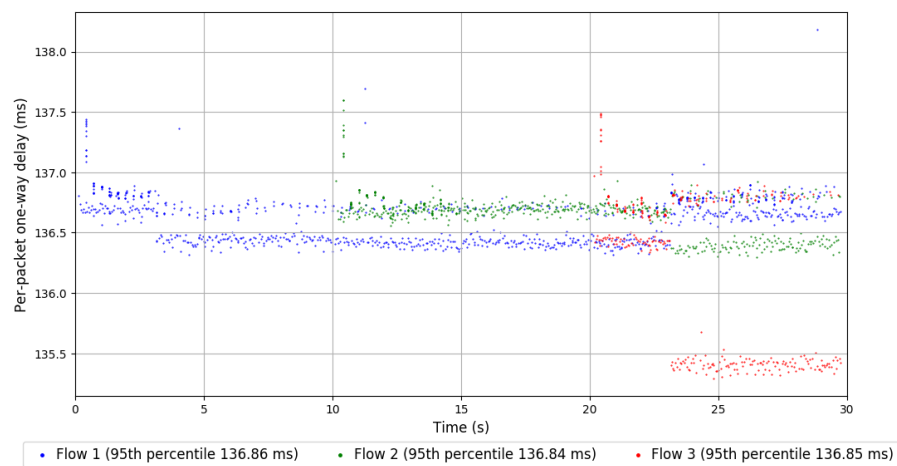
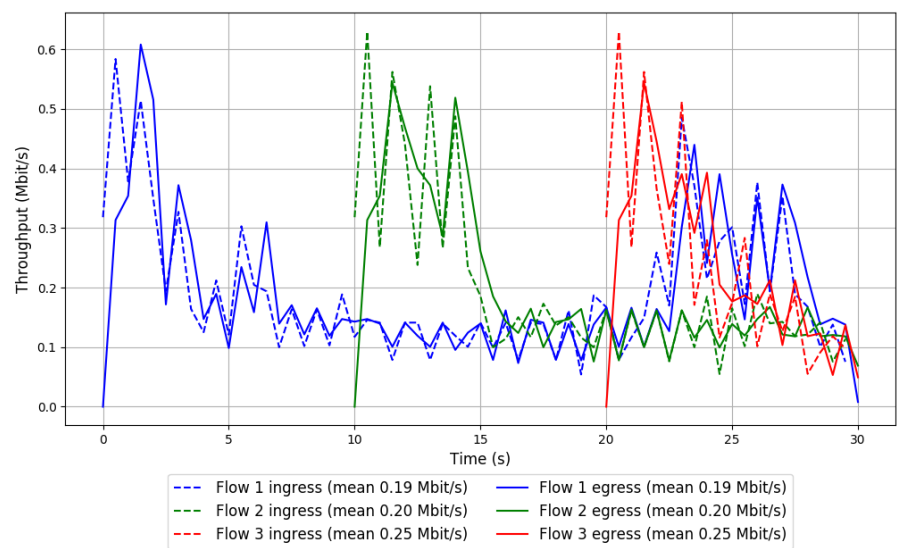
-- Flow 3:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 136.855 ms

Loss rate: 1.45%

Run 4: Report of Sprout — Data Link

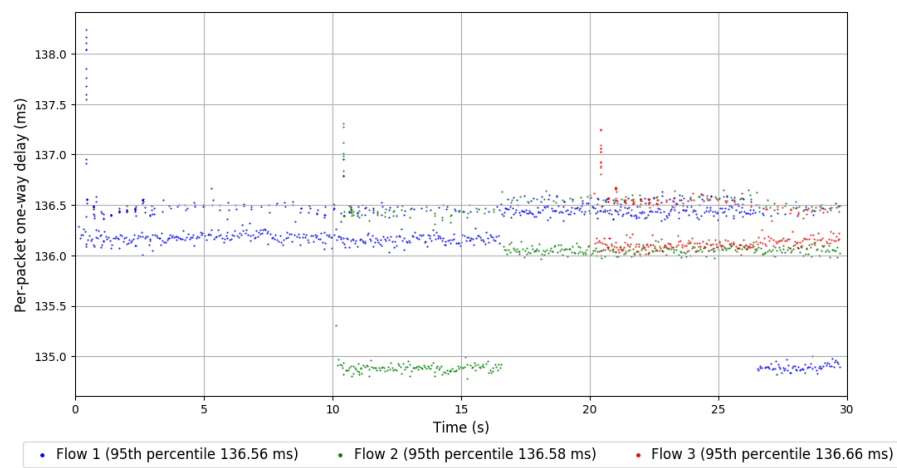
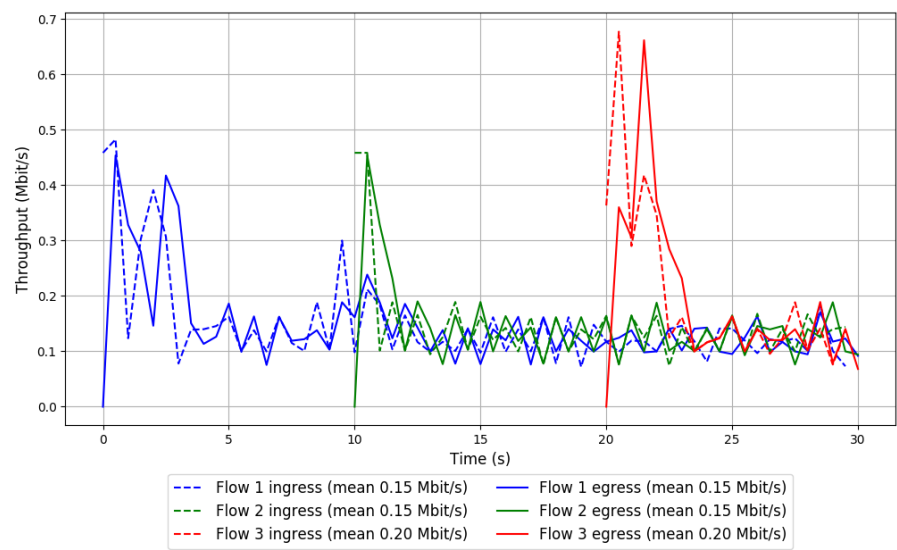


Run 5: Statistics of Sprout

Start at: 2018-08-02 22:19:41
End at: 2018-08-02 22:20:11
Local clock offset: -0.155 ms
Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.577 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.563 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.580 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.663 ms
Loss rate: 1.79%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-02 22:46:50

End at: 2018-08-02 22:47:20

Local clock offset: -0.14 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-03 03:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 135.636 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 135.613 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 135.648 ms

Loss rate: 2.39%

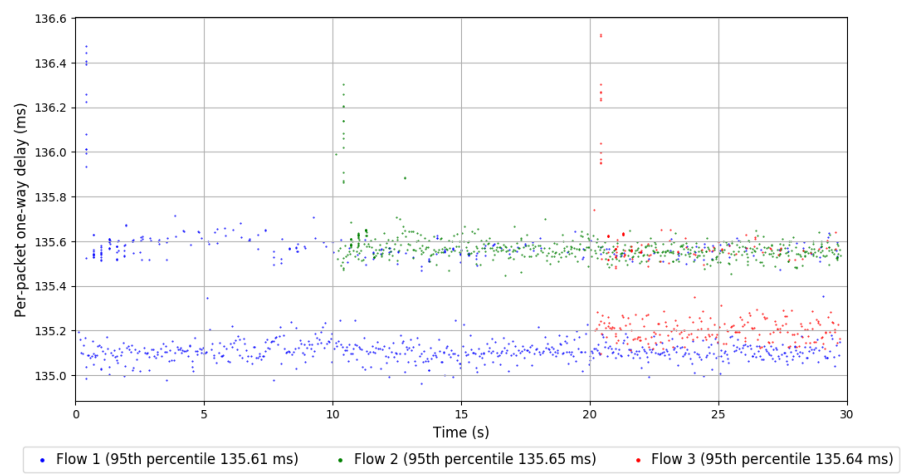
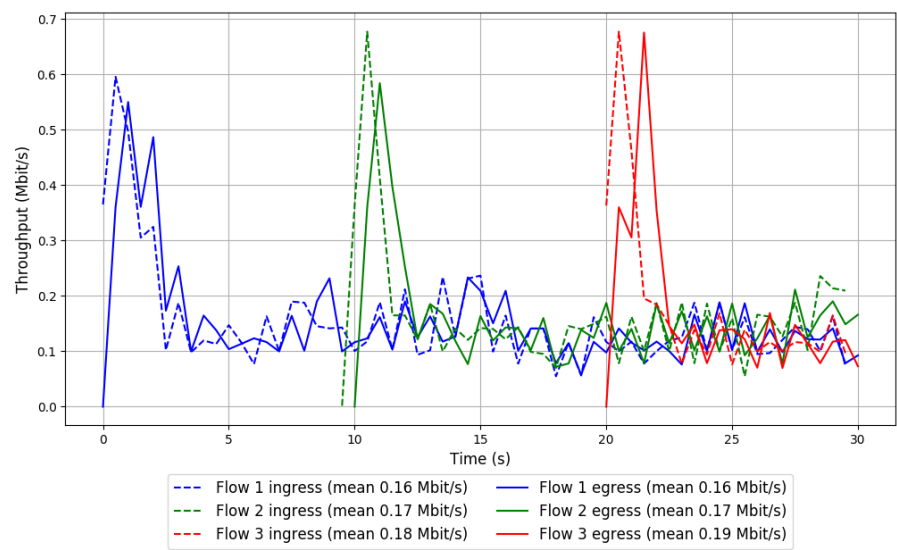
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 135.642 ms

Loss rate: 2.57%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-02 23:13:57

End at: 2018-08-02 23:14:27

Local clock offset: 0.159 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-08-03 03:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 135.959 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 135.951 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.015 ms

Loss rate: 1.21%

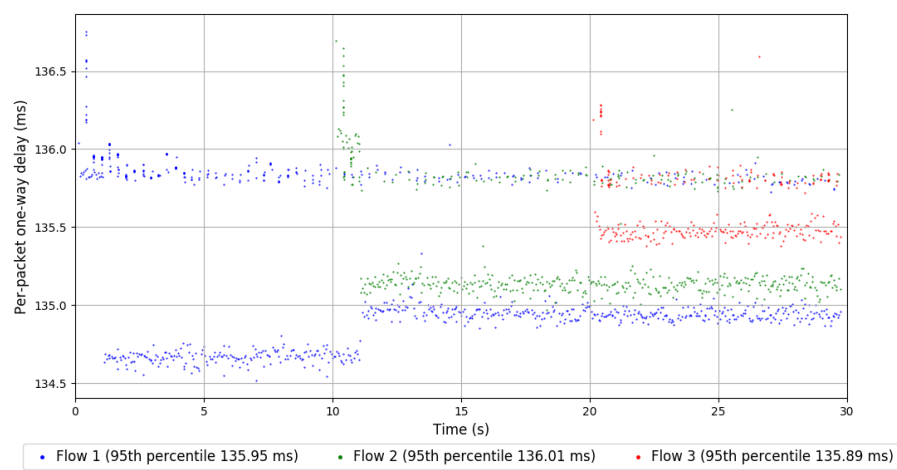
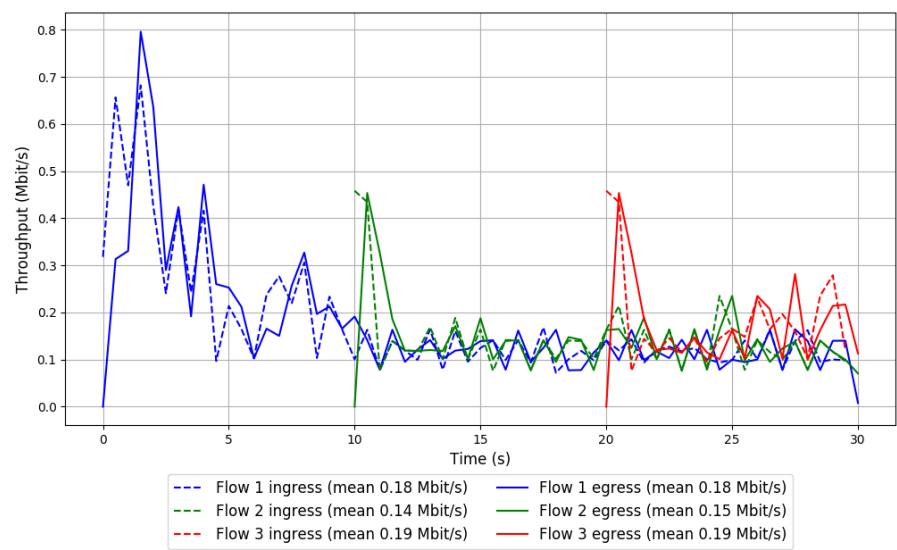
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 135.889 ms

Loss rate: 2.59%

Run 7: Report of Sprout — Data Link

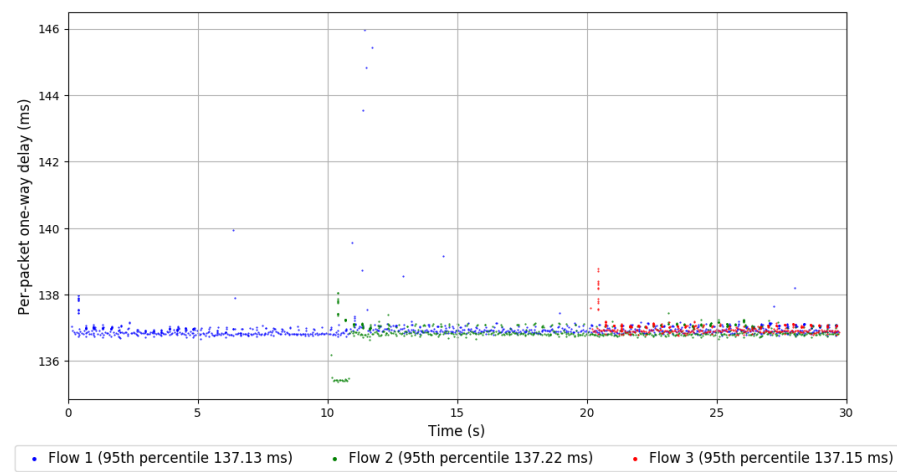
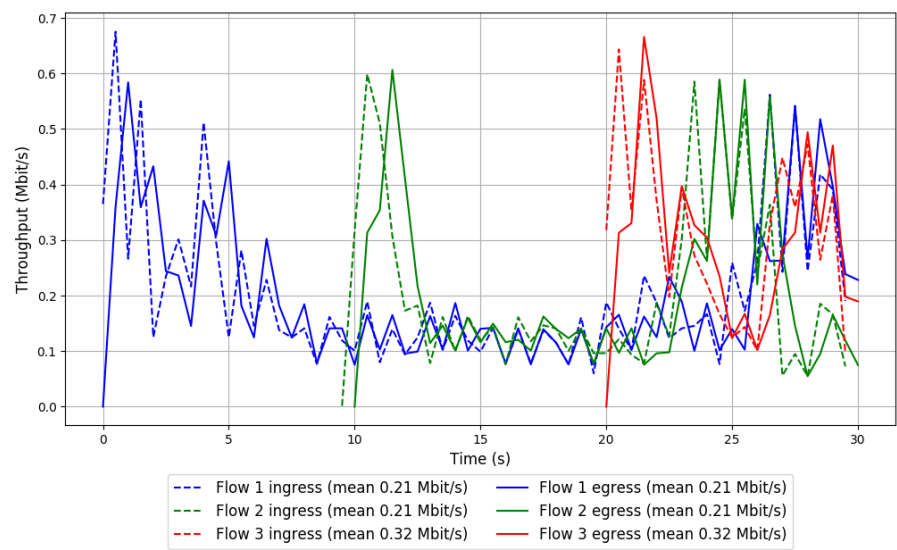


Run 8: Statistics of Sprout

Start at: 2018-08-02 23:41:17
End at: 2018-08-02 23:41:47
Local clock offset: 0.026 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 137.159 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 137.131 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 137.217 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 137.145 ms
Loss rate: 1.48%

Run 8: Report of Sprout — Data Link

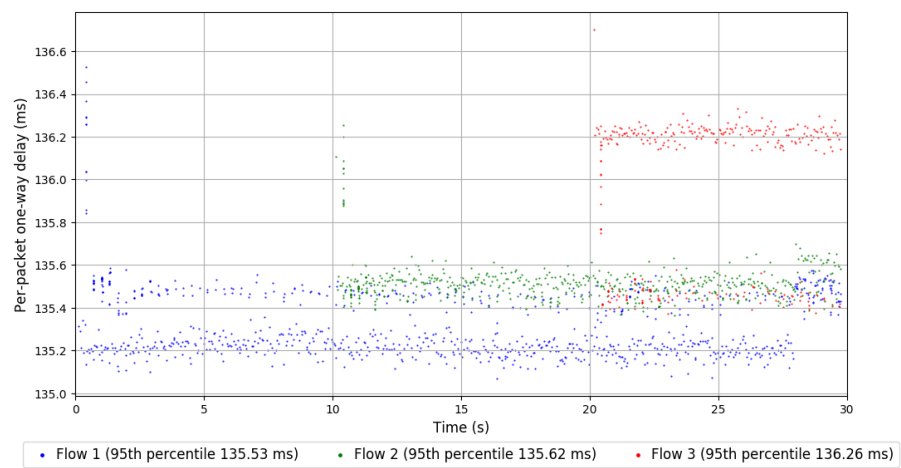
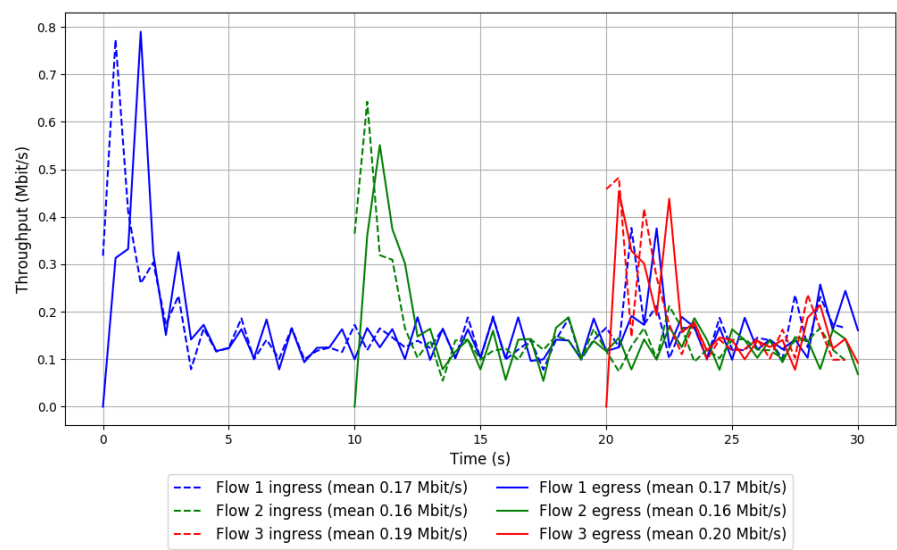


Run 9: Statistics of Sprout

Start at: 2018-08-03 00:08:30
End at: 2018-08-03 00:09:00
Local clock offset: -0.137 ms
Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 135.529 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.624 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.259 ms
Loss rate: 0.83%

Run 9: Report of Sprout — Data Link

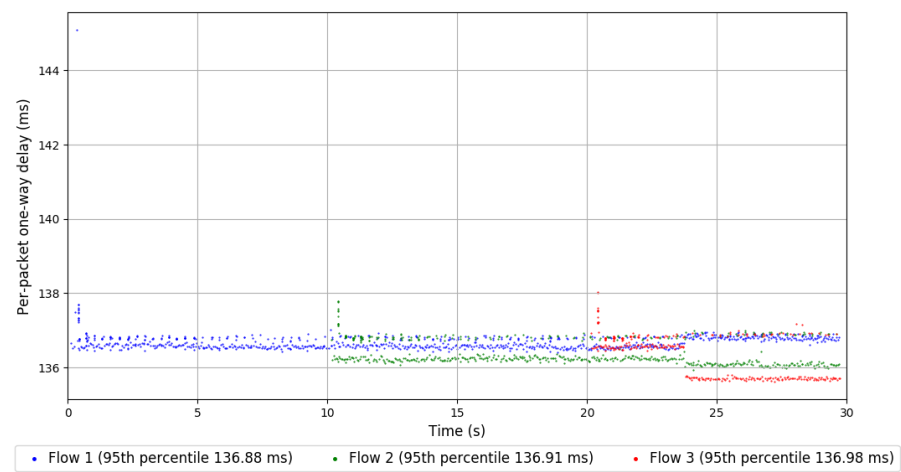
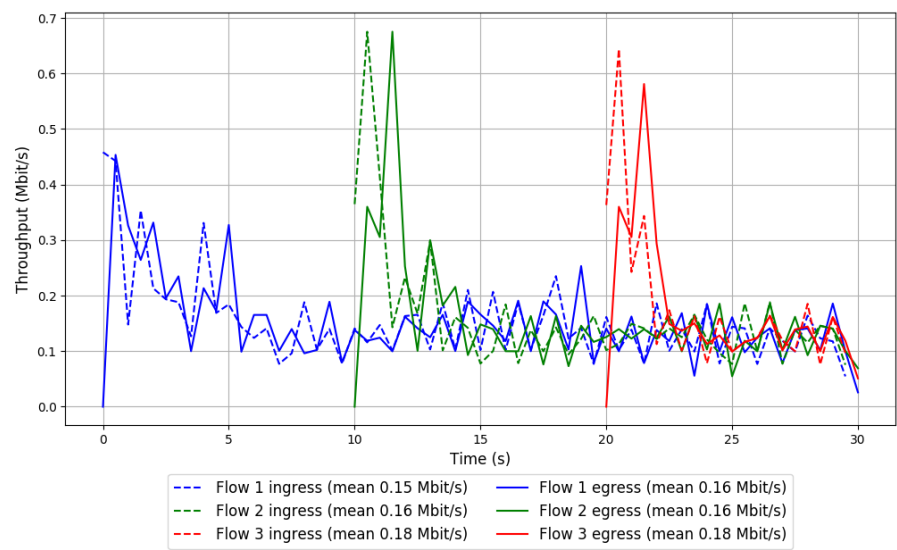


Run 10: Statistics of Sprout

Start at: 2018-08-03 00:36:04
End at: 2018-08-03 00:36:34
Local clock offset: -0.109 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-08-03 03:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 136.909 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.885 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.913 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.981 ms
Loss rate: 2.53%

Run 10: Report of Sprout — Data Link

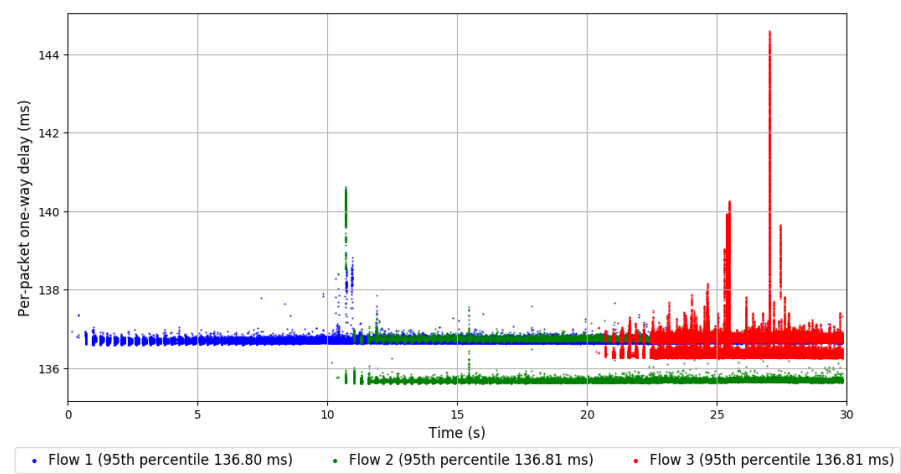
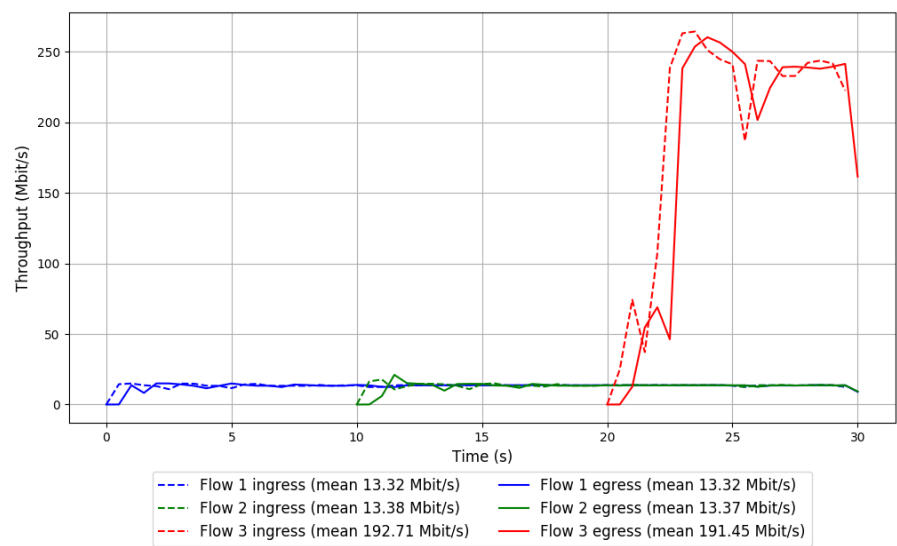


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-02 20:36:11
End at: 2018-08-02 20:36:41
Local clock offset: 0.325 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-08-03 03:04:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 136.807 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 136.799 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 136.809 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 191.45 Mbit/s
95th percentile per-packet one-way delay: 136.809 ms
Loss rate: 3.38%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-02 21:03:23

End at: 2018-08-02 21:03:53

Local clock offset: -0.002 ms

Remote clock offset: 0.067 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.52 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 214.97 Mbit/s

95th percentile per-packet one-way delay: 135.746 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 207.16 Mbit/s

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

Loss rate: 1.39%

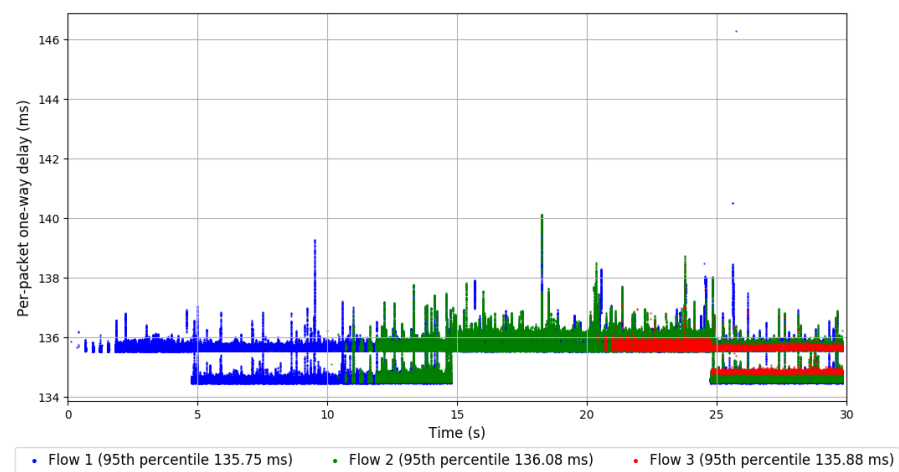
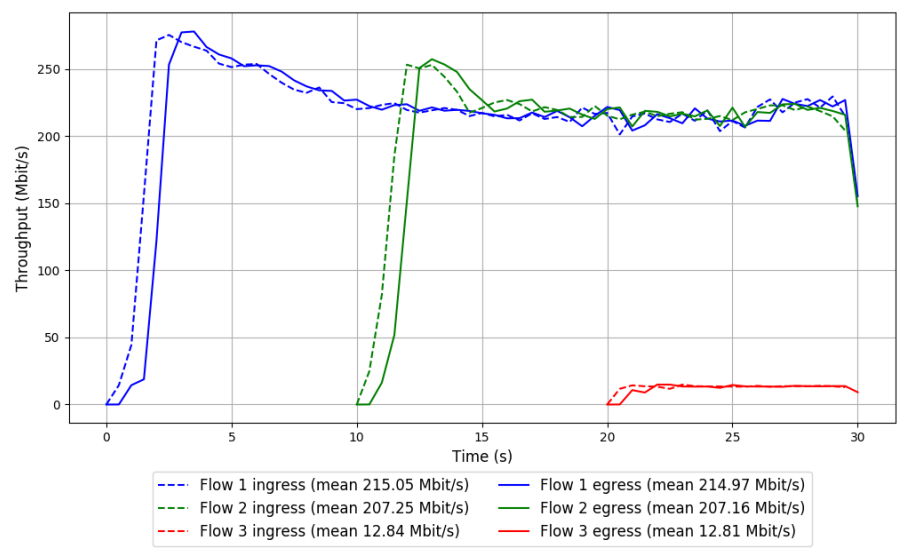
-- Flow 3:

Average throughput: 12.81 Mbit/s

95th percentile per-packet one-way delay: 135.880 ms

Loss rate: 2.92%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-02 21:31:05

End at: 2018-08-02 21:31:35

Local clock offset: 0.085 ms

Remote clock offset: 0.391 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 153.54 Mbit/s

95th percentile per-packet one-way delay: 136.258 ms

Loss rate: 1.44%

-- Flow 1:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 136.265 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 205.18 Mbit/s

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

Loss rate: 1.45%

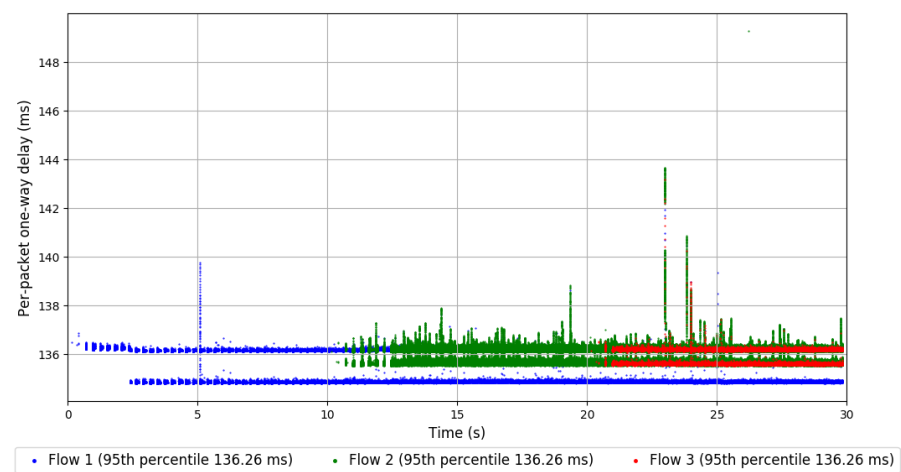
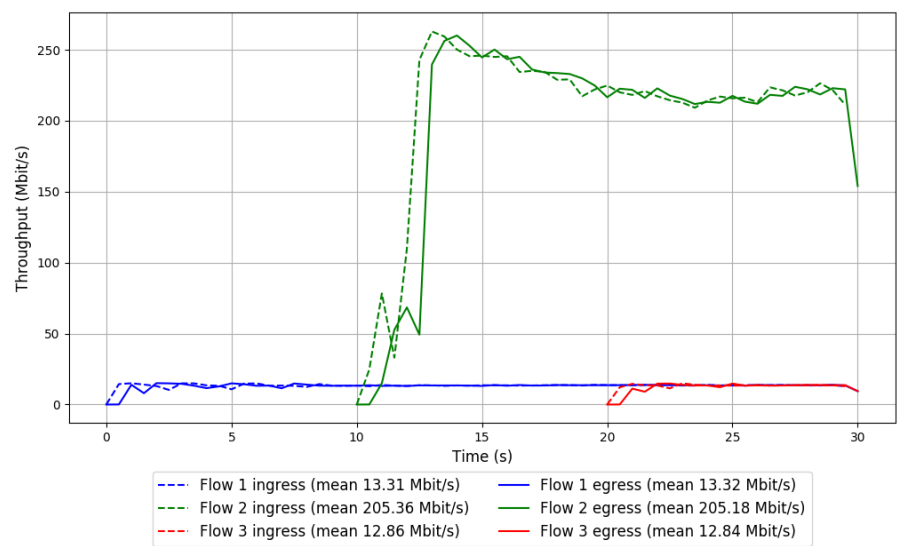
-- Flow 3:

Average throughput: 12.84 Mbit/s

95th percentile per-packet one-way delay: 136.256 ms

Loss rate: 2.84%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-02 21:57:35

End at: 2018-08-02 21:58:05

Local clock offset: 0.036 ms

Remote clock offset: 0.391 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.32 Mbit/s

95th percentile per-packet one-way delay: 136.313 ms

Loss rate: 2.16%

-- Flow 1:

Average throughput: 129.75 Mbit/s

95th percentile per-packet one-way delay: 136.284 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 136.247 ms

Loss rate: 1.38%

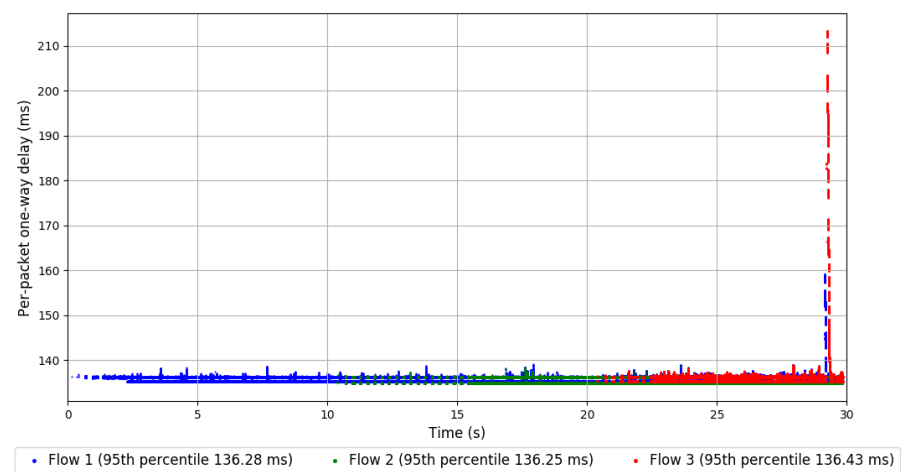
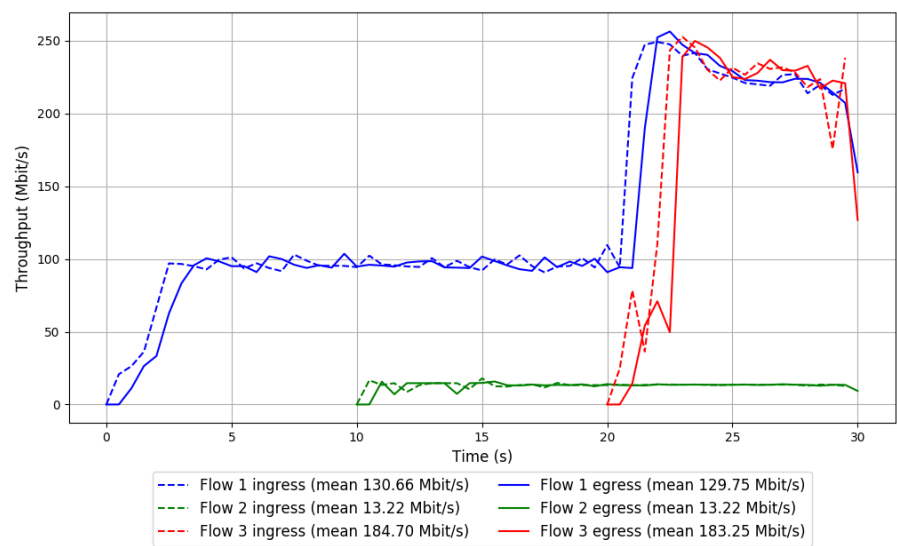
-- Flow 3:

Average throughput: 183.25 Mbit/s

95th percentile per-packet one-way delay: 136.426 ms

Loss rate: 3.49%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-02 22:24:32

End at: 2018-08-02 22:25:02

Local clock offset: 0.022 ms

Remote clock offset: 0.054 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.00 Mbit/s

95th percentile per-packet one-way delay: 136.551 ms

Loss rate: 1.92%

-- Flow 1:

Average throughput: 13.08 Mbit/s

95th percentile per-packet one-way delay: 136.526 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 206.46 Mbit/s

95th percentile per-packet one-way delay: 136.551 ms

Loss rate: 1.60%

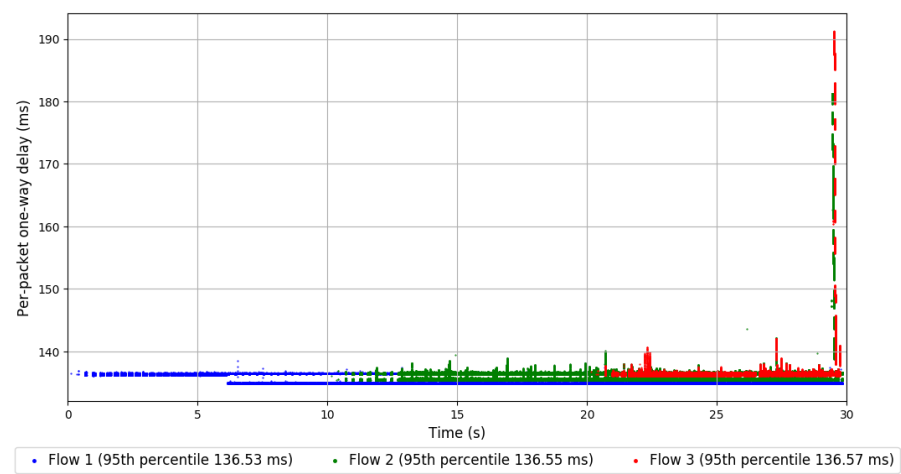
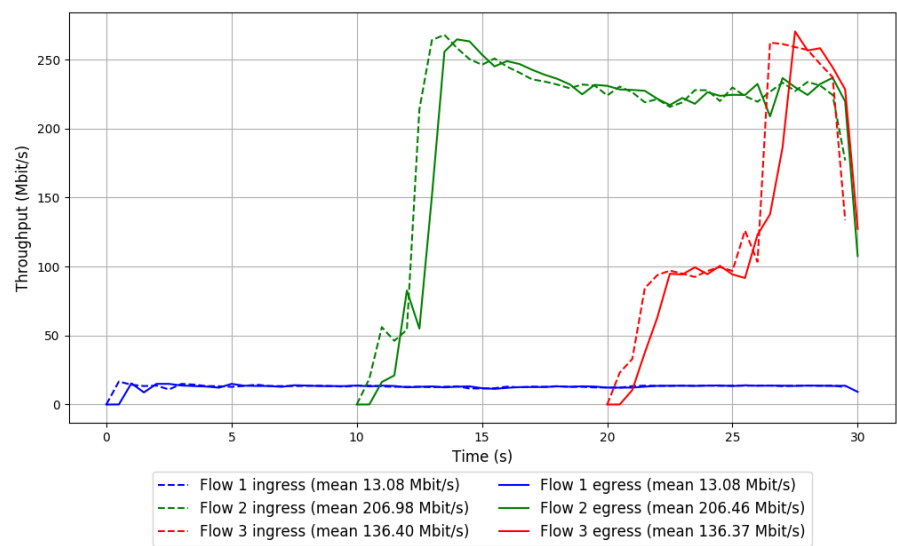
-- Flow 3:

Average throughput: 136.37 Mbit/s

95th percentile per-packet one-way delay: 136.566 ms

Loss rate: 3.18%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-02 22:52:03

End at: 2018-08-02 22:52:33

Local clock offset: 0.14 ms

Remote clock offset: 0.055 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.11 Mbit/s

95th percentile per-packet one-way delay: 135.924 ms

Loss rate: 2.96%

-- Flow 1:

Average throughput: 10.48 Mbit/s

95th percentile per-packet one-way delay: 135.834 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 135.972 ms

Loss rate: 1.41%

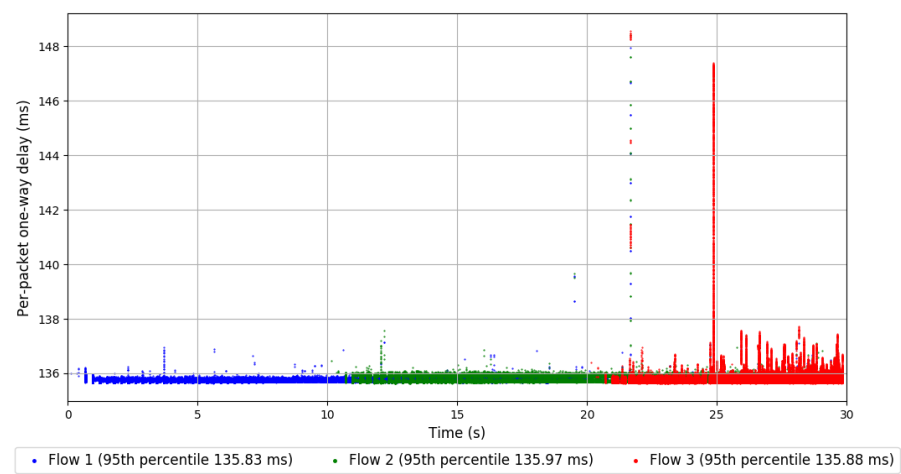
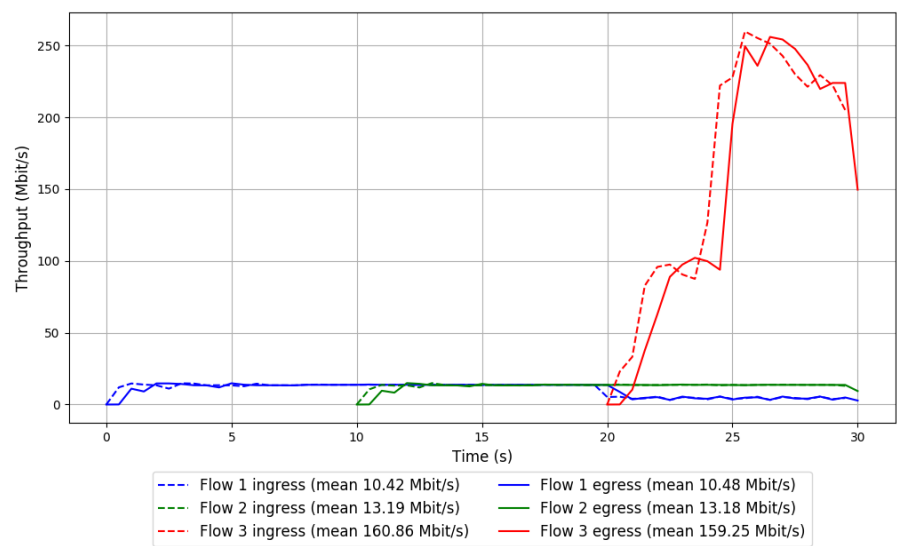
-- Flow 3:

Average throughput: 159.25 Mbit/s

95th percentile per-packet one-way delay: 135.879 ms

Loss rate: 3.70%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-02 23:19:07

End at: 2018-08-02 23:19:37

Local clock offset: 0.047 ms

Remote clock offset: 0.093 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.66 Mbit/s

95th percentile per-packet one-way delay: 135.906 ms

Loss rate: 3.67%

-- Flow 1:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 135.946 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 135.924 ms

Loss rate: 1.41%

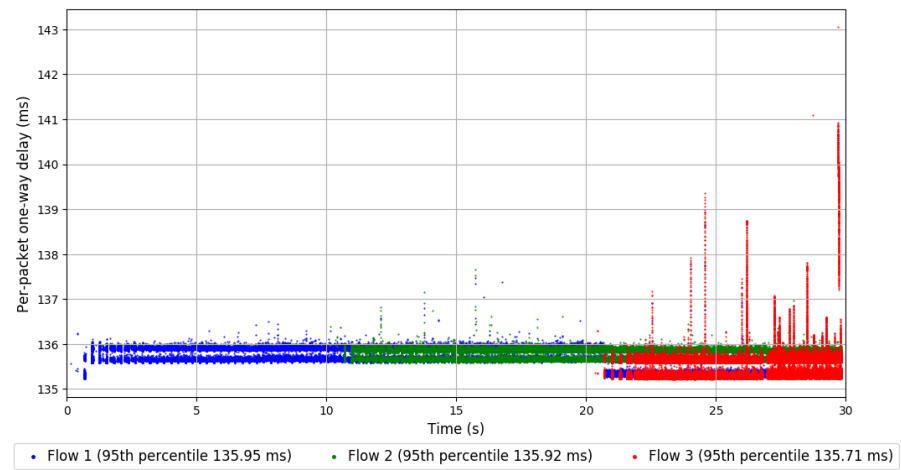
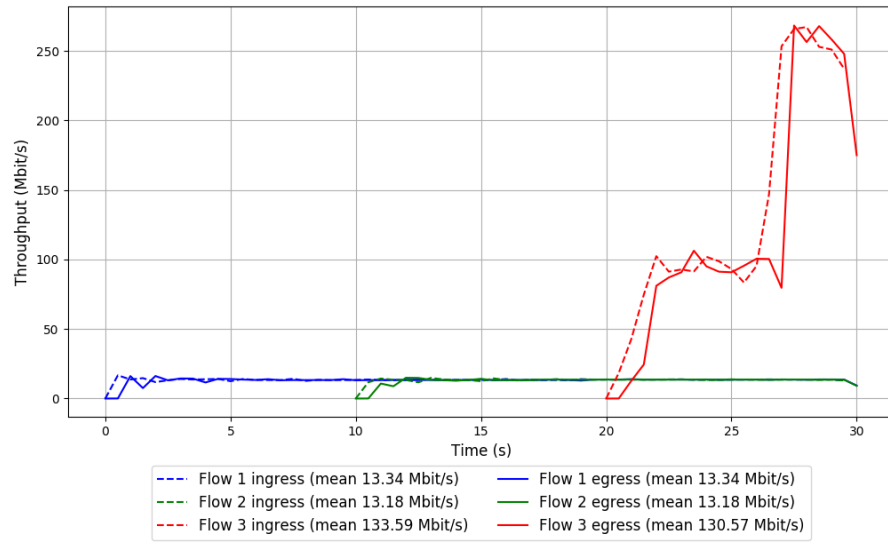
-- Flow 3:

Average throughput: 130.57 Mbit/s

95th percentile per-packet one-way delay: 135.705 ms

Loss rate: 4.94%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-02 23:46:19

End at: 2018-08-02 23:46:49

Local clock offset: -0.09 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-03 03:11:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.54 Mbit/s

95th percentile per-packet one-way delay: 136.638 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 209.01 Mbit/s

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

Loss rate: 0.23%

-- Flow 2:

Average throughput: 13.17 Mbit/s

95th percentile per-packet one-way delay: 136.462 ms

Loss rate: 1.41%

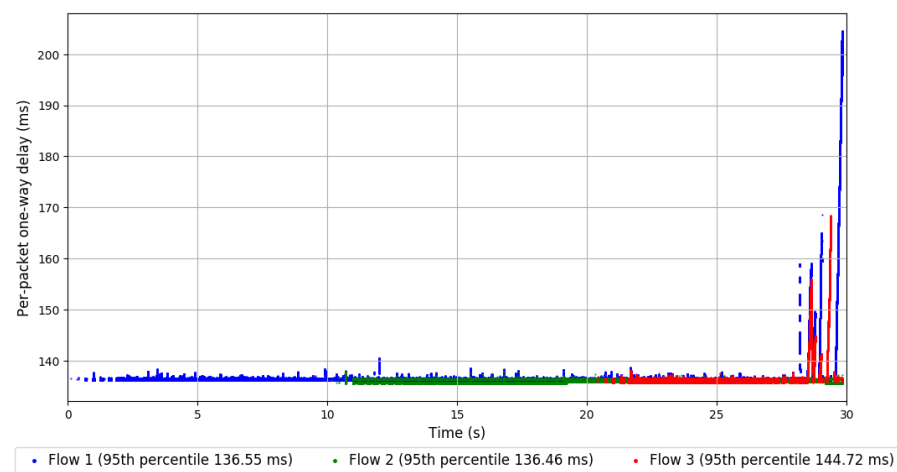
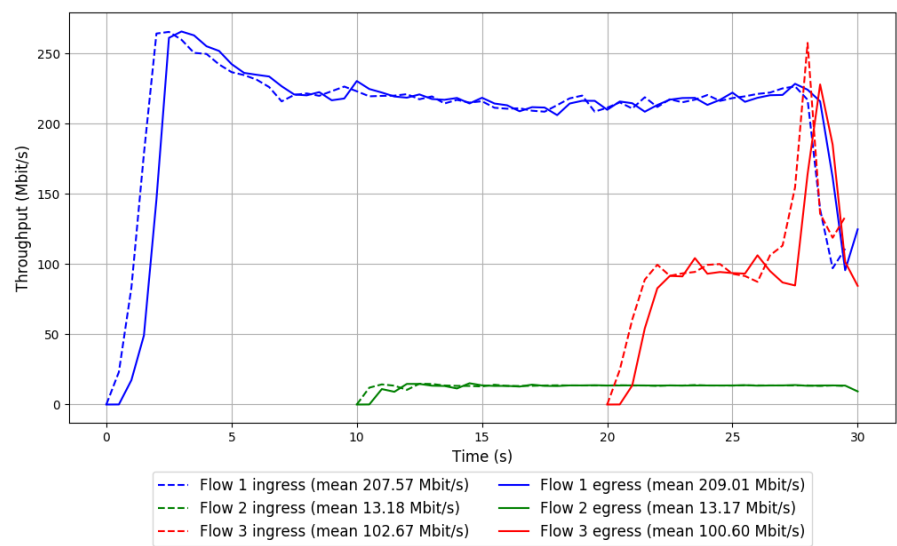
-- Flow 3:

Average throughput: 100.60 Mbit/s

95th percentile per-packet one-way delay: 144.721 ms

Loss rate: 4.71%

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

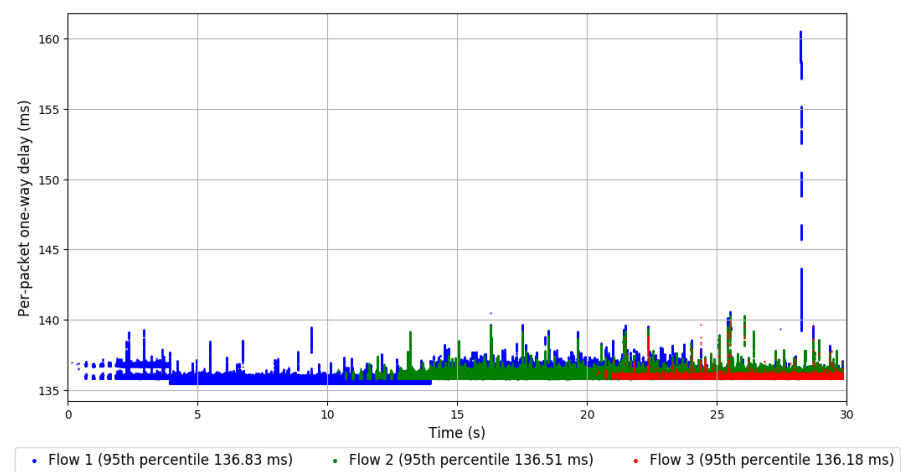
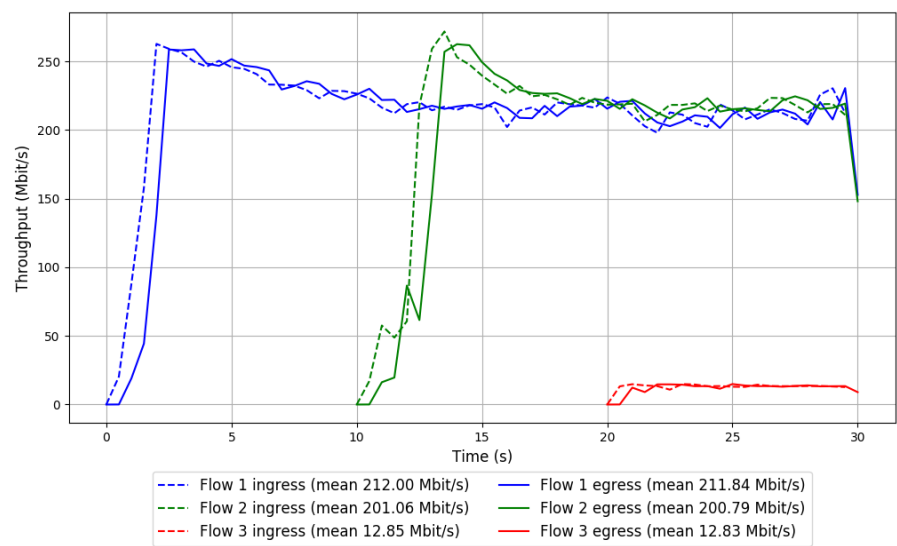


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-03 00:13:34
End at: 2018-08-03 00:14:04
Local clock offset: -0.11 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-08-03 03:14:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.16 Mbit/s
95th percentile per-packet one-way delay: 136.809 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 211.84 Mbit/s
95th percentile per-packet one-way delay: 136.831 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 200.79 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 136.180 ms
Loss rate: 2.85%

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

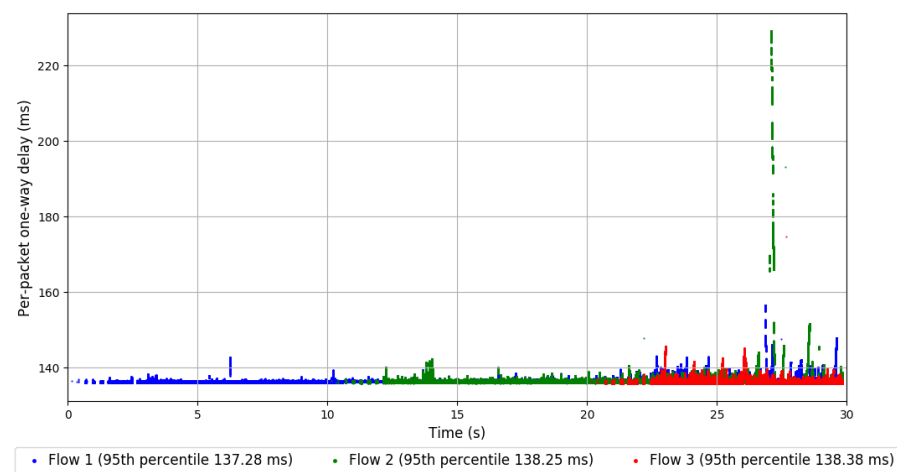
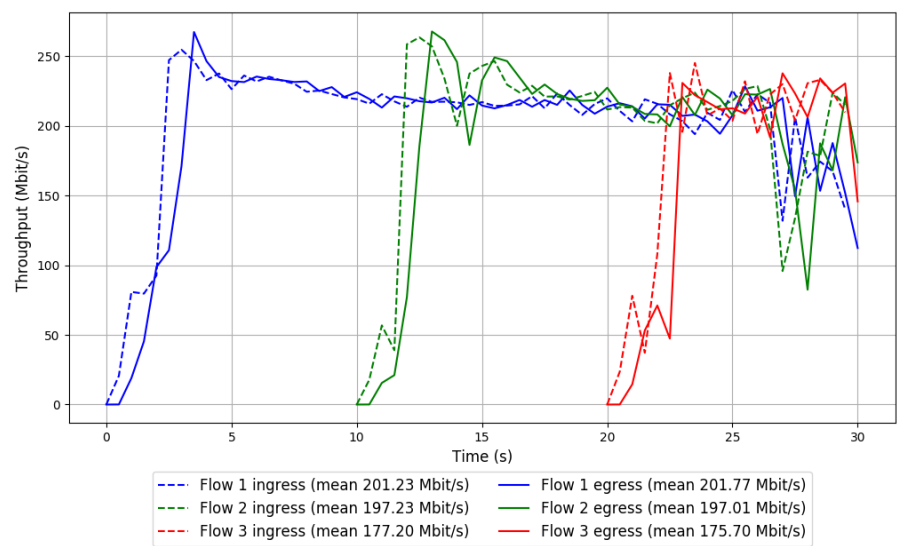


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-03 00:41:07
End at: 2018-08-03 00:41:37
Local clock offset: -0.181 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-03 03:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.59 Mbit/s
95th percentile per-packet one-way delay: 137.778 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 201.77 Mbit/s
95th percentile per-packet one-way delay: 137.284 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 197.01 Mbit/s
95th percentile per-packet one-way delay: 138.250 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 175.70 Mbit/s
95th percentile per-packet one-way delay: 138.378 ms
Loss rate: 3.56%

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

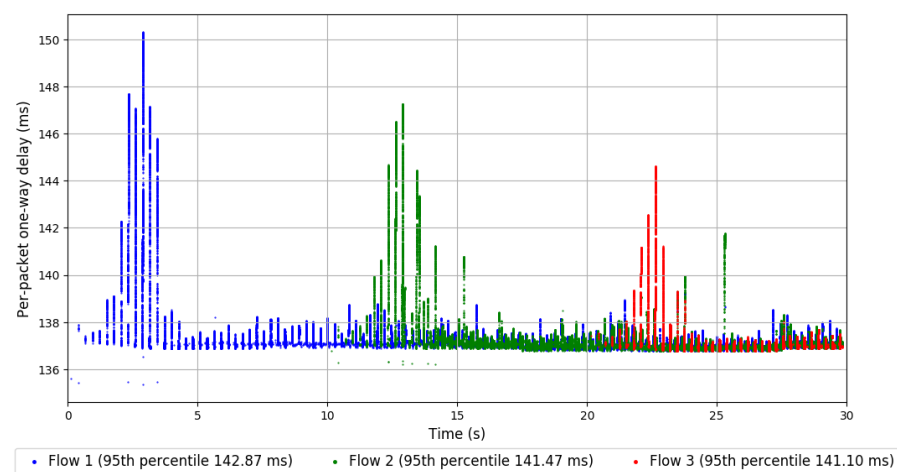
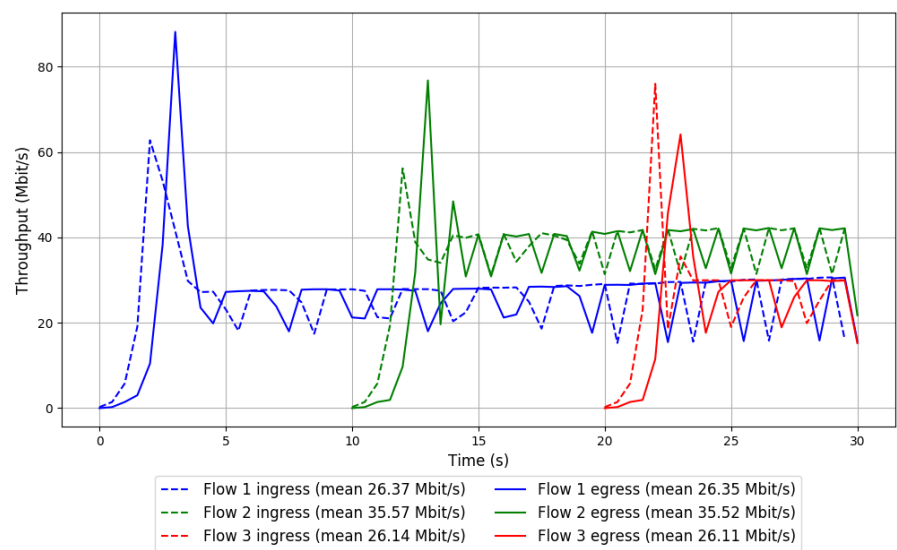


Run 1: Statistics of TCP Vegas

Start at: 2018-08-02 20:21:50
End at: 2018-08-02 20:22:20
Local clock offset: 0.022 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-08-03 03:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 141.926 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 142.865 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 141.474 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 141.105 ms
Loss rate: 2.88%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-02 20:48:48

End at: 2018-08-02 20:49:18

Local clock offset: -0.006 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.61 Mbit/s

95th percentile per-packet one-way delay: 137.922 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 137.459 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 49.30 Mbit/s

95th percentile per-packet one-way delay: 137.258 ms

Loss rate: 1.52%

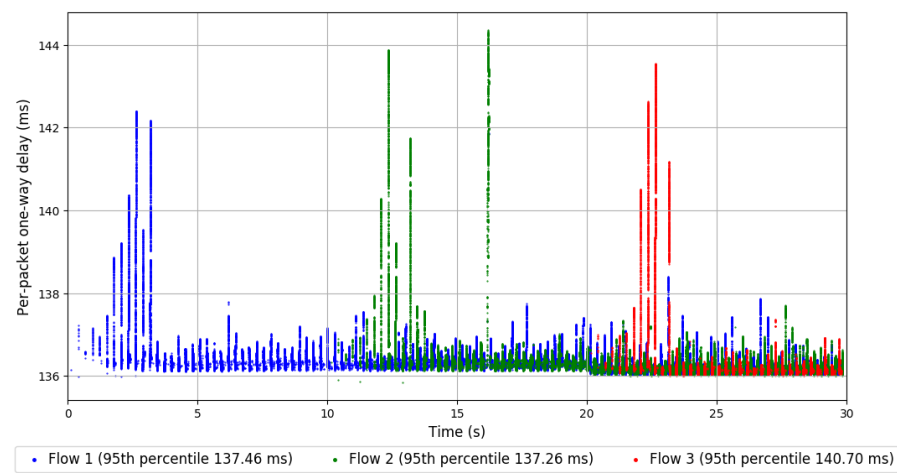
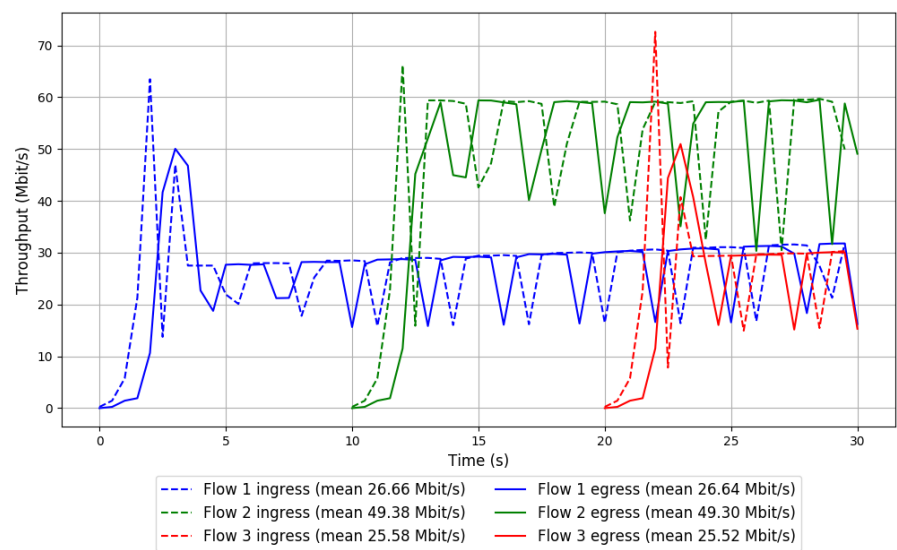
-- Flow 3:

Average throughput: 25.52 Mbit/s

95th percentile per-packet one-way delay: 140.703 ms

Loss rate: 2.98%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-02 21:16:35

End at: 2018-08-02 21:17:05

Local clock offset: 0.006 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.50 Mbit/s

95th percentile per-packet one-way delay: 138.143 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 69.33 Mbit/s

95th percentile per-packet one-way delay: 138.253 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 27.41 Mbit/s

95th percentile per-packet one-way delay: 137.909 ms

Loss rate: 1.44%

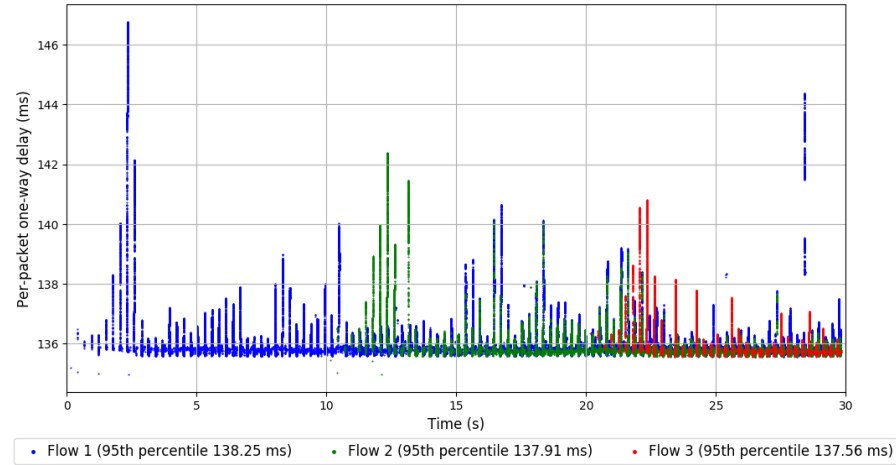
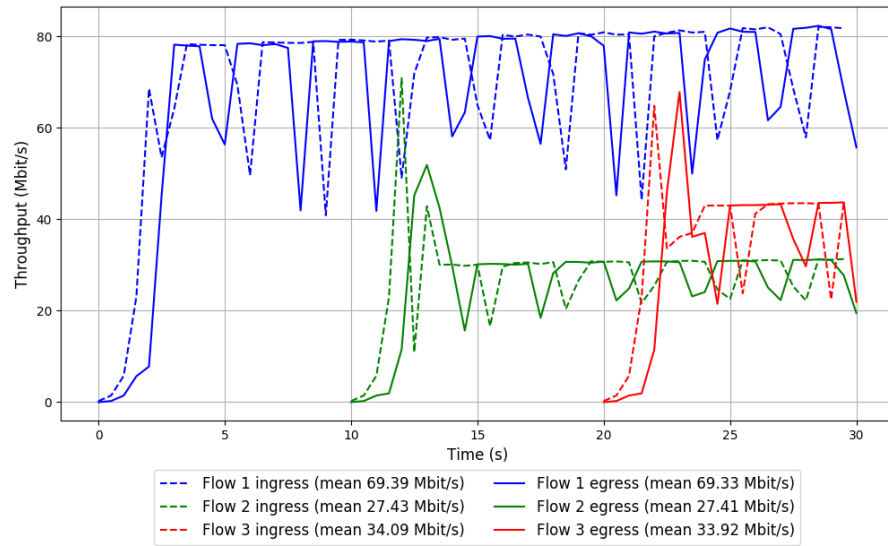
-- Flow 3:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 137.563 ms

Loss rate: 3.21%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-02 21:43:39

End at: 2018-08-02 21:44:09

Local clock offset: -0.092 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.26 Mbit/s

95th percentile per-packet one-way delay: 139.350 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 35.20 Mbit/s

95th percentile per-packet one-way delay: 139.472 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 23.90 Mbit/s

95th percentile per-packet one-way delay: 139.445 ms

Loss rate: 1.48%

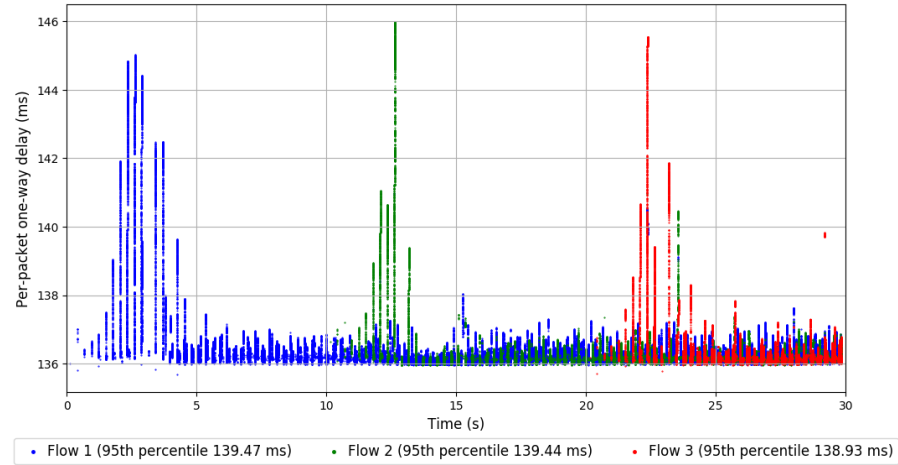
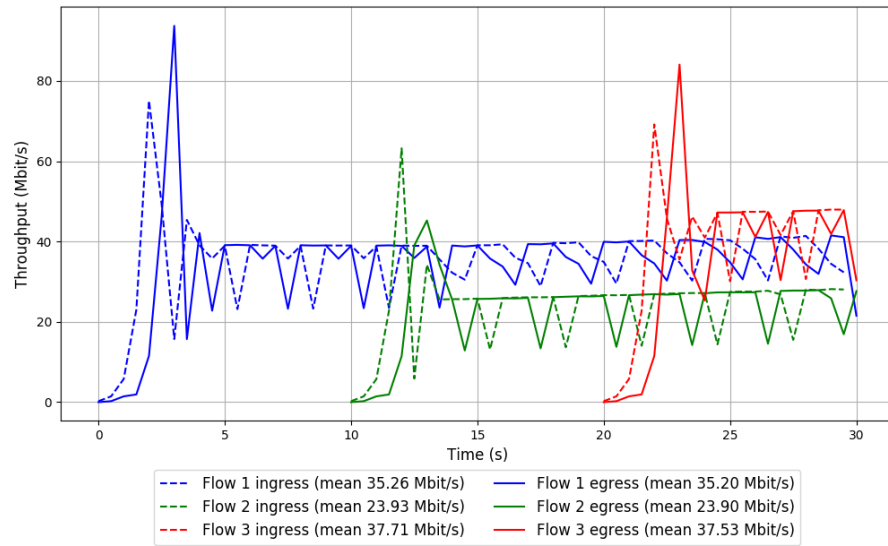
-- Flow 3:

Average throughput: 37.53 Mbit/s

95th percentile per-packet one-way delay: 138.928 ms

Loss rate: 3.20%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-02 22:10:13

End at: 2018-08-02 22:10:43

Local clock offset: 0.116 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.93 Mbit/s

95th percentile per-packet one-way delay: 138.326 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 66.11 Mbit/s

95th percentile per-packet one-way delay: 138.465 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 32.44 Mbit/s

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

Loss rate: 1.48%

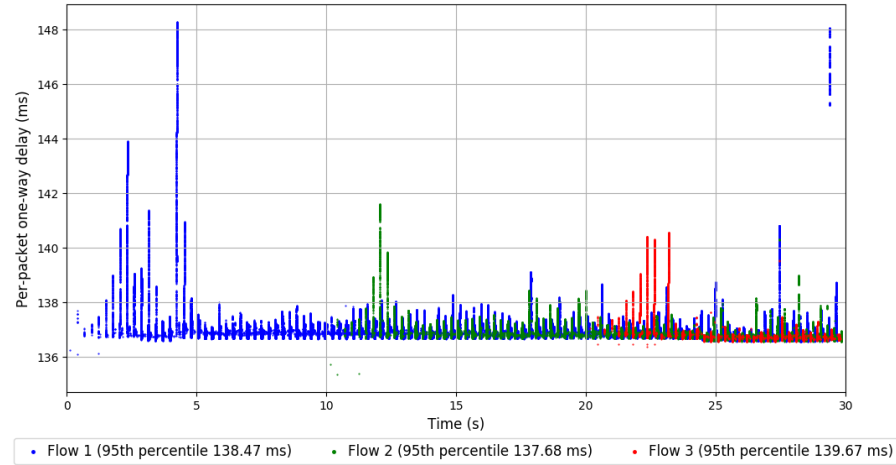
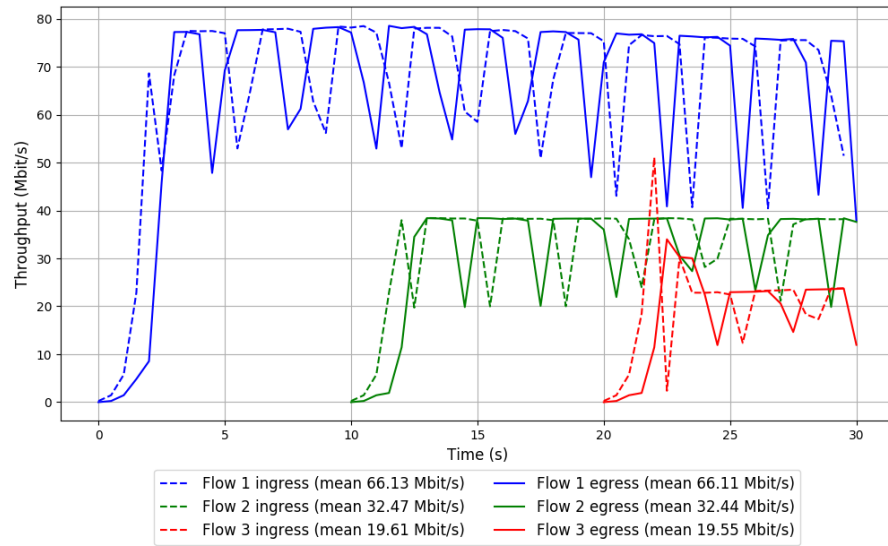
-- Flow 3:

Average throughput: 19.55 Mbit/s

95th percentile per-packet one-way delay: 139.671 ms

Loss rate: 3.07%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-02 22:37:23

End at: 2018-08-02 22:37:53

Local clock offset: -0.202 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 141.795 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 57.49 Mbit/s

95th percentile per-packet one-way delay: 142.180 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 27.21 Mbit/s

95th percentile per-packet one-way delay: 137.541 ms

Loss rate: 1.48%

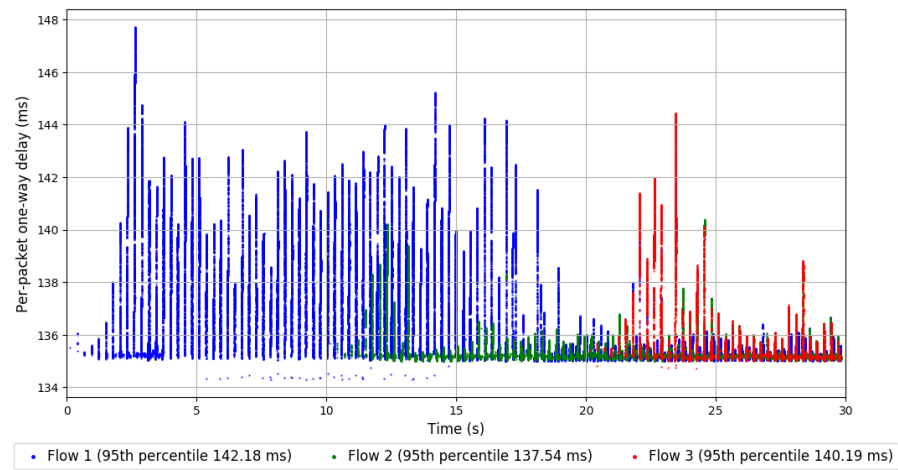
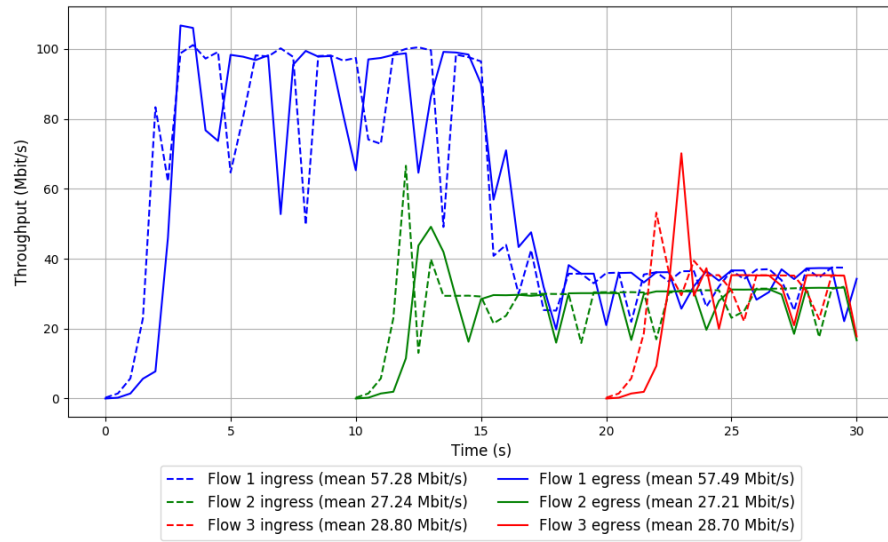
-- Flow 3:

Average throughput: 28.70 Mbit/s

95th percentile per-packet one-way delay: 140.189 ms

Loss rate: 3.09%

Run 6: Report of TCP Vegas — Data Link

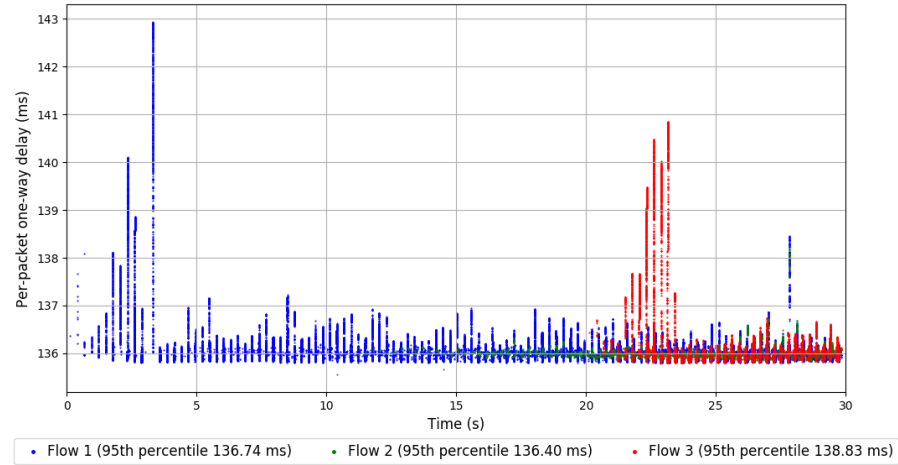
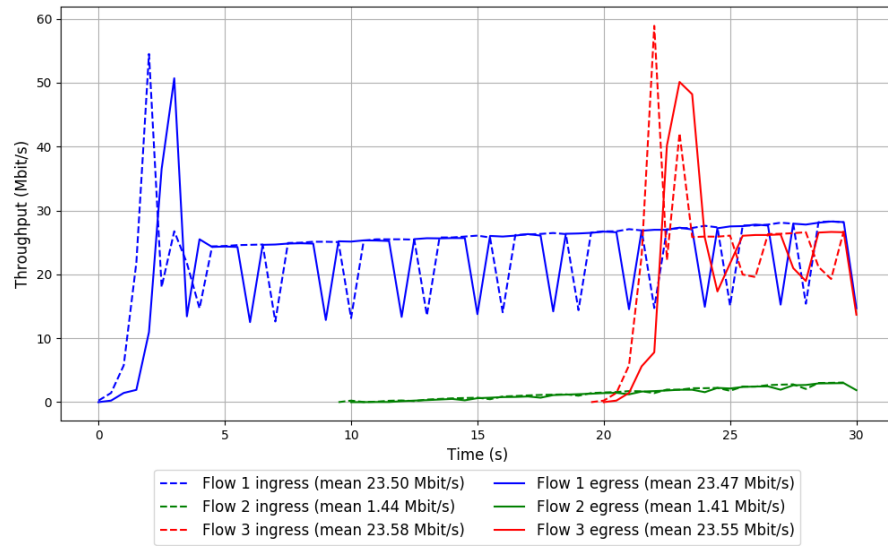


Run 7: Statistics of TCP Vegas

Start at: 2018-08-02 23:04:40
End at: 2018-08-02 23:05:10
Local clock offset: -0.114 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-08-03 03:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 137.059 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 136.739 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 136.398 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 138.828 ms
Loss rate: 2.86%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-02 23:31:46

End at: 2018-08-02 23:32:16

Local clock offset: 0.105 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.58 Mbit/s

95th percentile per-packet one-way delay: 143.811 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 35.33 Mbit/s

95th percentile per-packet one-way delay: 142.654 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 80.32 Mbit/s

95th percentile per-packet one-way delay: 144.351 ms

Loss rate: 1.59%

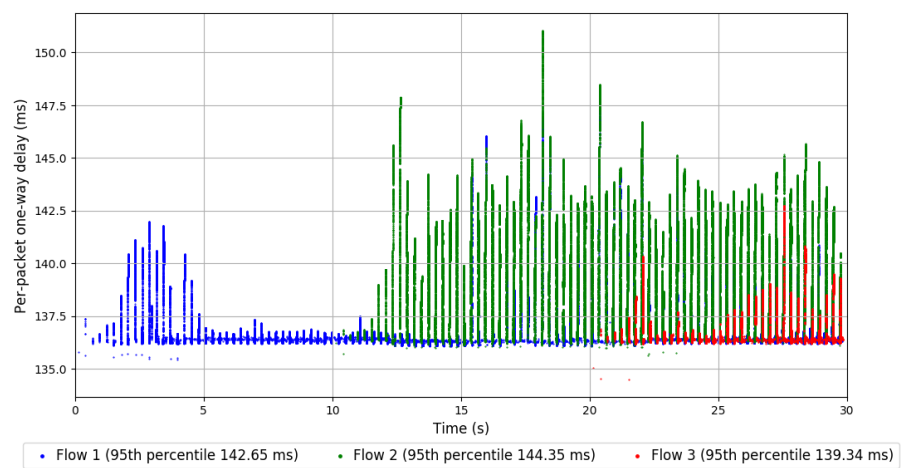
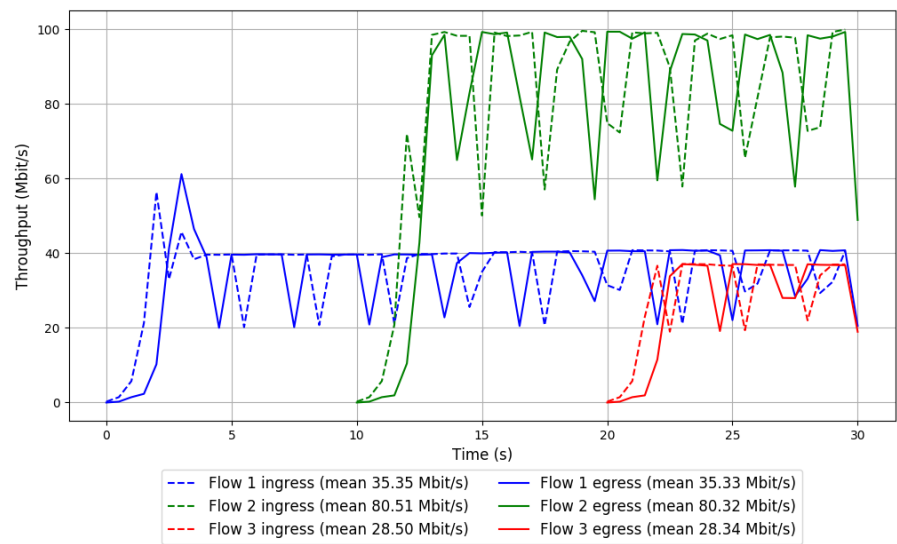
-- Flow 3:

Average throughput: 28.34 Mbit/s

95th percentile per-packet one-way delay: 139.343 ms

Loss rate: 3.27%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-02 23:59:04

End at: 2018-08-02 23:59:34

Local clock offset: 0.261 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.17 Mbit/s

95th percentile per-packet one-way delay: 139.066 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 41.73 Mbit/s

95th percentile per-packet one-way delay: 138.562 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 25.21 Mbit/s

95th percentile per-packet one-way delay: 141.851 ms

Loss rate: 1.36%

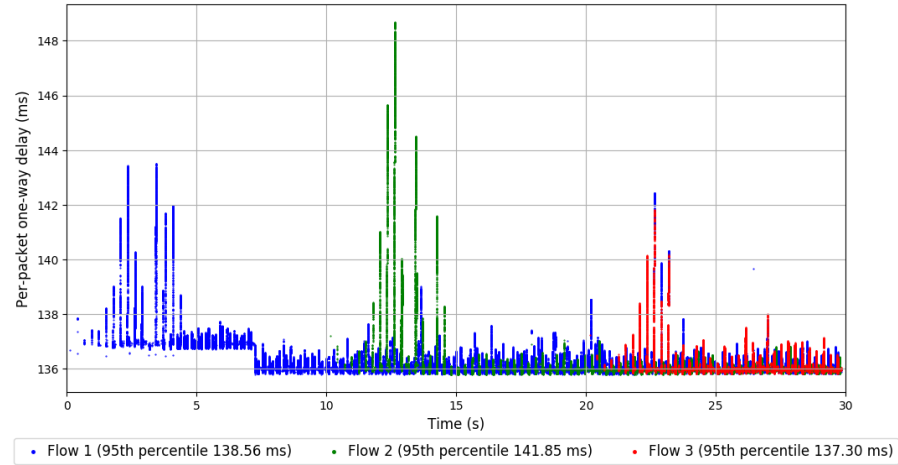
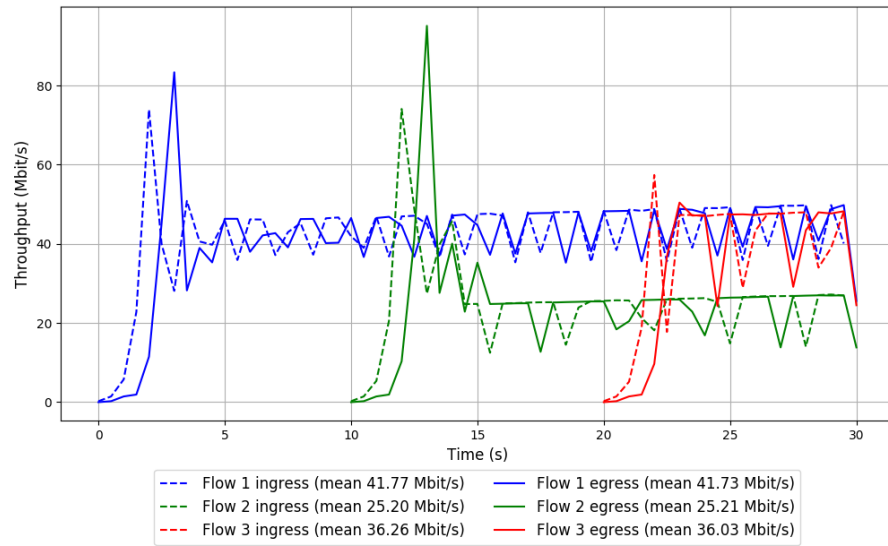
-- Flow 3:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 137.300 ms

Loss rate: 3.35%

Run 9: Report of TCP Vegas — Data Link

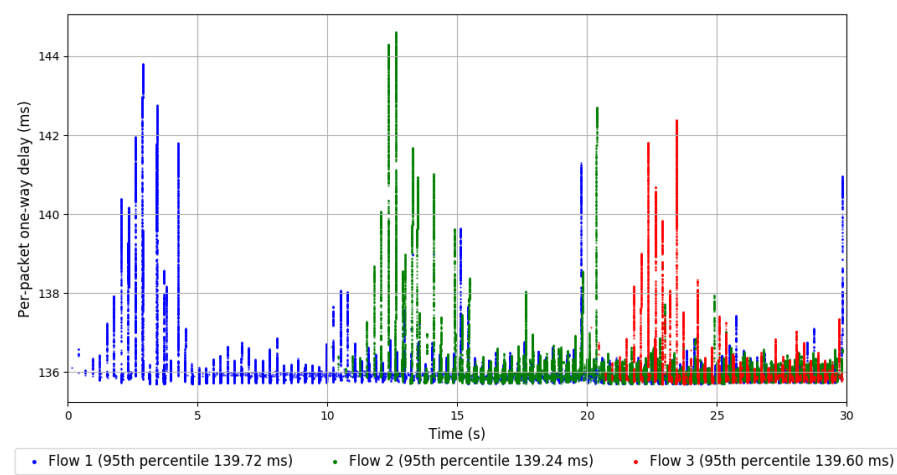
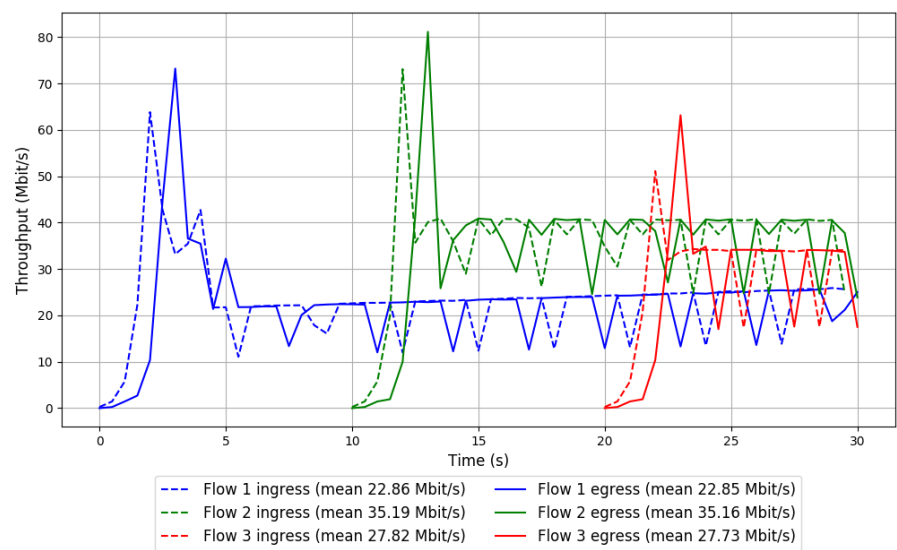


Run 10: Statistics of TCP Vegas

Start at: 2018-08-03 00:26:42
End at: 2018-08-03 00:27:12
Local clock offset: 0.152 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-03 03:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 139.556 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 139.717 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 139.237 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 139.599 ms
Loss rate: 3.08%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-02 20:29:39

End at: 2018-08-02 20:30:09

Local clock offset: 0.094 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.50 Mbit/s

95th percentile per-packet one-way delay: 180.121 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 205.17 Mbit/s

95th percentile per-packet one-way delay: 164.433 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 157.464 ms

Loss rate: 2.54%

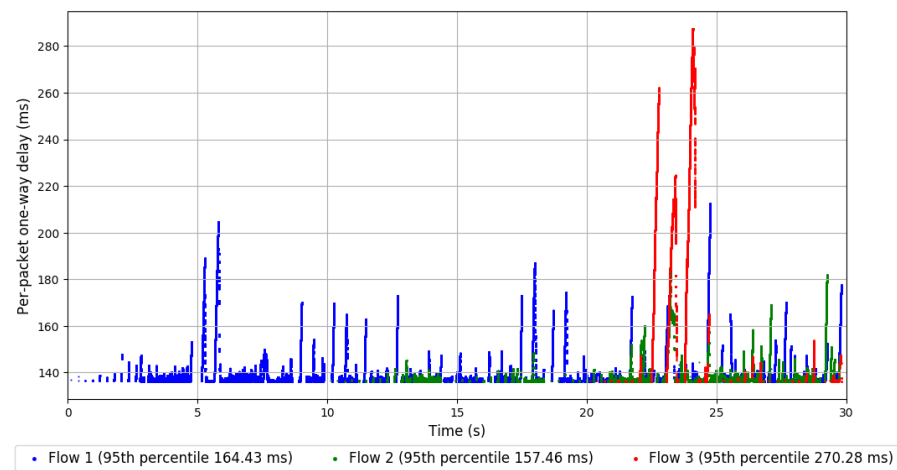
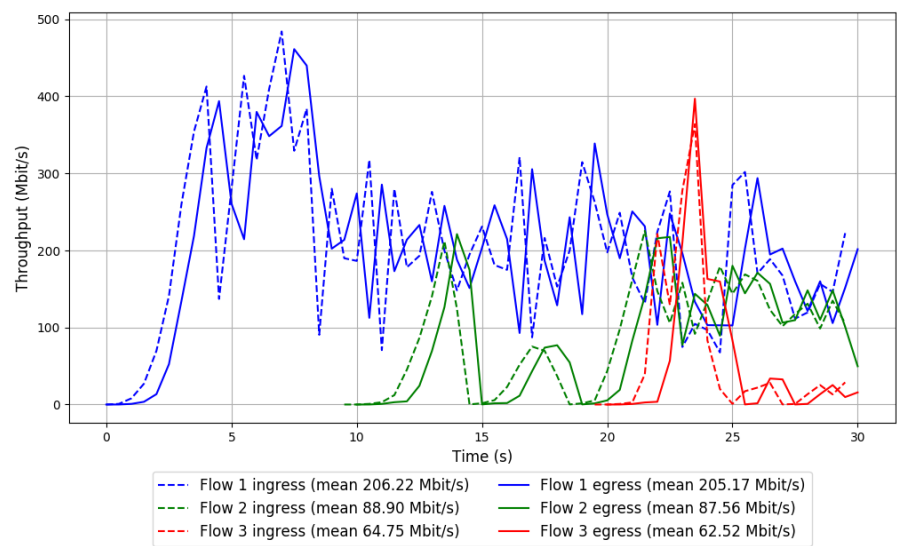
-- Flow 3:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 270.282 ms

Loss rate: 6.06%

Run 1: Report of Verus — Data Link

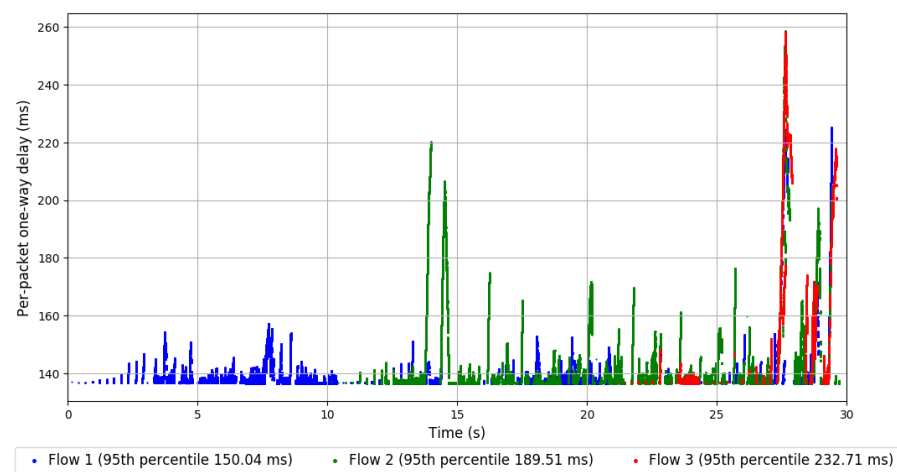
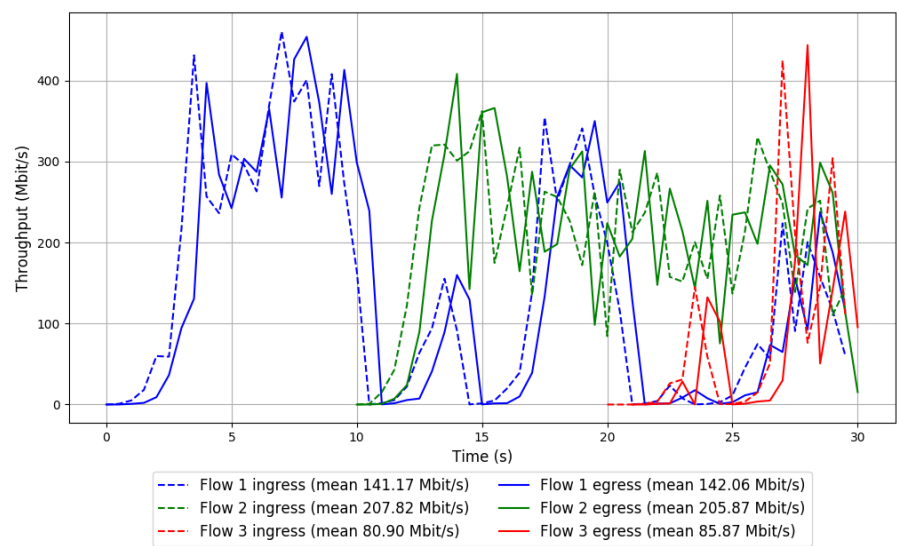


Run 2: Statistics of Verus

Start at: 2018-08-02 20:56:41
End at: 2018-08-02 20:57:11
Local clock offset: 0.099 ms
Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-08-03 03:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.44 Mbit/s
95th percentile per-packet one-way delay: 196.737 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 142.06 Mbit/s
95th percentile per-packet one-way delay: 150.042 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 205.87 Mbit/s
95th percentile per-packet one-way delay: 189.512 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 232.711 ms
Loss rate: 9.73%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-02 21:24:25

End at: 2018-08-02 21:24:55

Local clock offset: 0.018 ms

Remote clock offset: 0.384 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.07 Mbit/s

95th percentile per-packet one-way delay: 248.422 ms

Loss rate: 5.22%

-- Flow 1:

Average throughput: 182.54 Mbit/s

95th percentile per-packet one-way delay: 249.437 ms

Loss rate: 6.40%

-- Flow 2:

Average throughput: 64.04 Mbit/s

95th percentile per-packet one-way delay: 245.470 ms

Loss rate: 1.46%

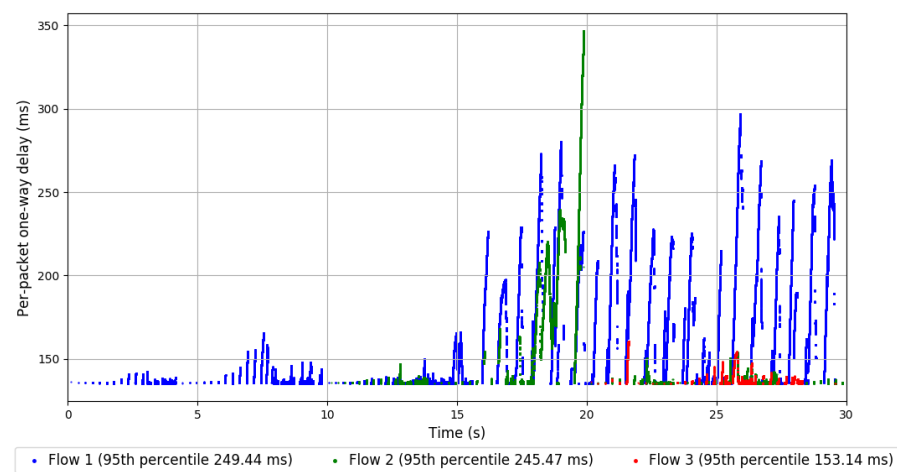
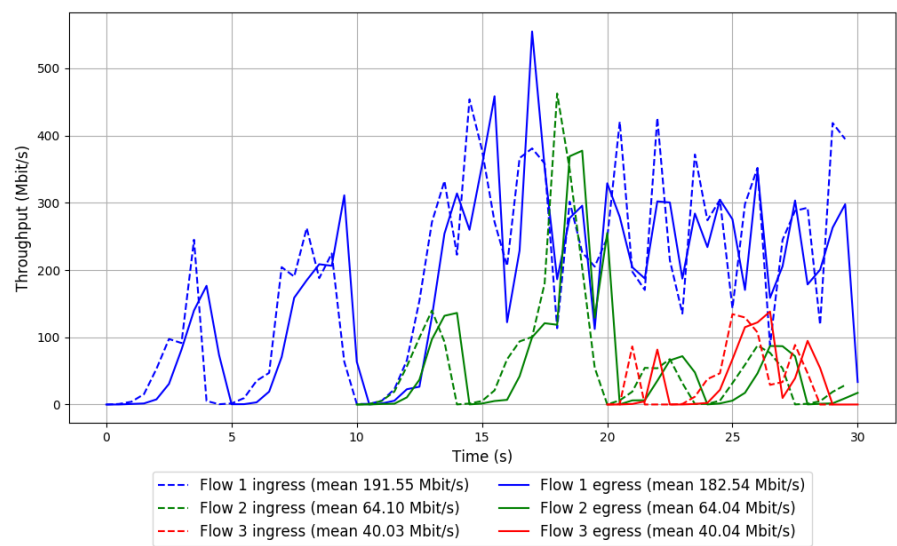
-- Flow 3:

Average throughput: 40.04 Mbit/s

95th percentile per-packet one-way delay: 153.138 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link

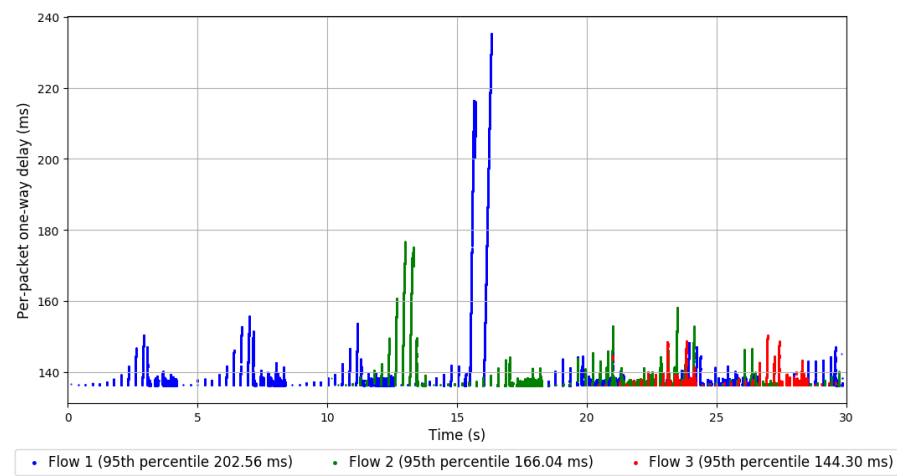
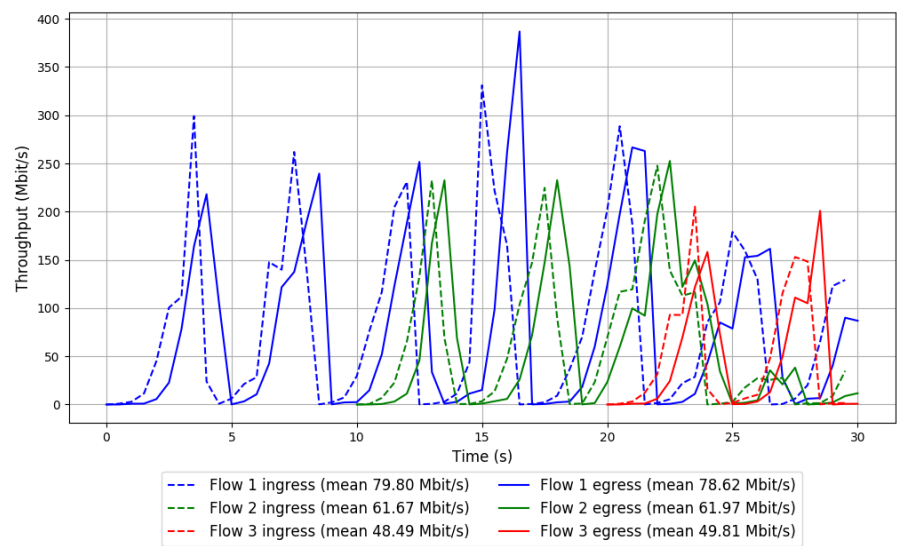


Run 4: Statistics of Verus

Start at: 2018-08-02 21:51:28
End at: 2018-08-02 21:51:58
Local clock offset: -0.149 ms
Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-03 03:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.24 Mbit/s
95th percentile per-packet one-way delay: 177.827 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 202.558 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 166.036 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 144.300 ms
Loss rate: 0.17%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-02 22:18:06

End at: 2018-08-02 22:18:36

Local clock offset: 0.14 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.64 Mbit/s

95th percentile per-packet one-way delay: 189.235 ms

Loss rate: 2.71%

-- Flow 1:

Average throughput: 107.60 Mbit/s

95th percentile per-packet one-way delay: 151.792 ms

Loss rate: 2.50%

-- Flow 2:

Average throughput: 182.00 Mbit/s

95th percentile per-packet one-way delay: 215.861 ms

Loss rate: 2.75%

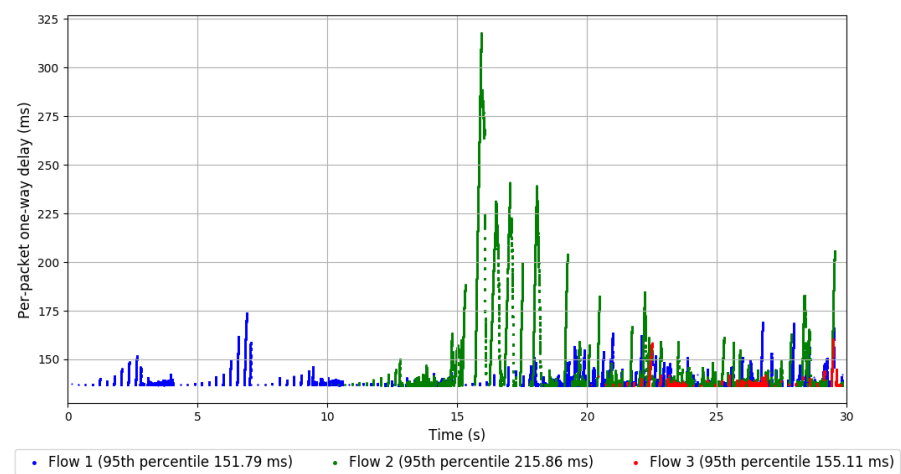
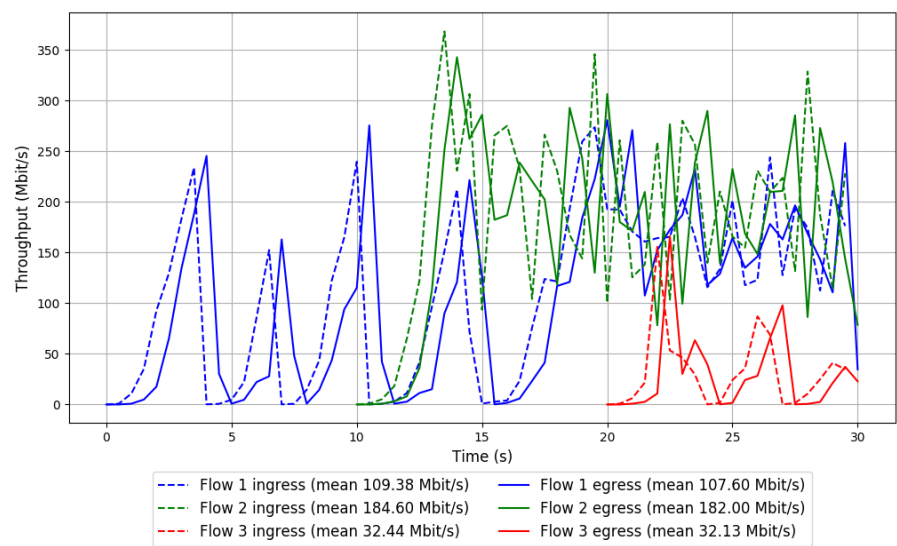
-- Flow 3:

Average throughput: 32.13 Mbit/s

95th percentile per-packet one-way delay: 155.108 ms

Loss rate: 4.38%

Run 5: Report of Verus — Data Link

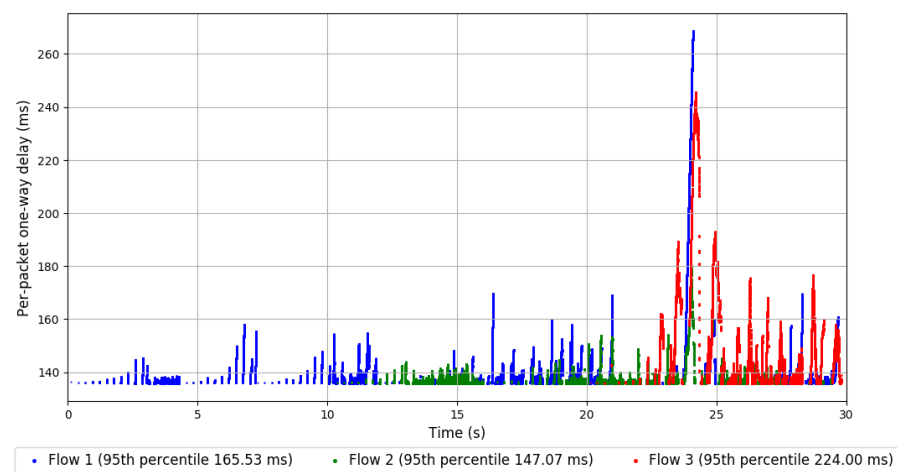
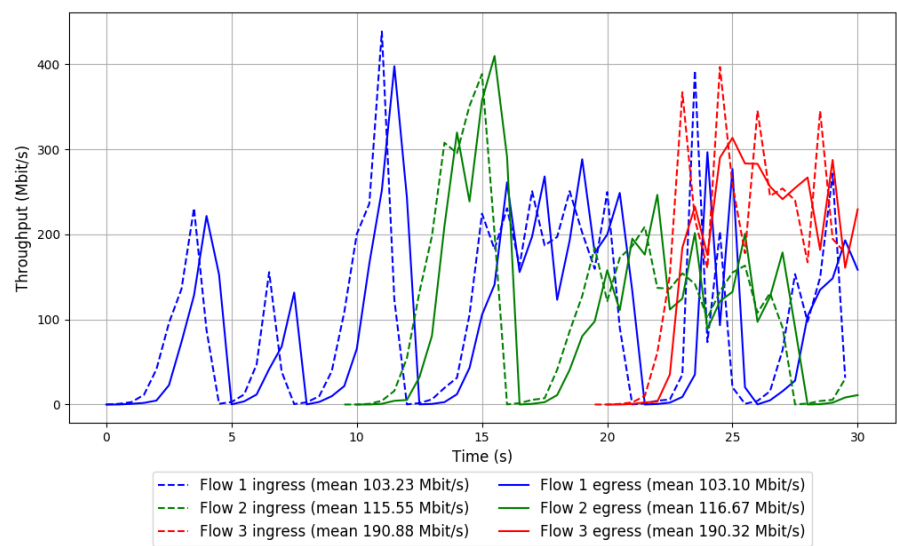


Run 6: Statistics of Verus

Start at: 2018-08-02 22:45:15
End at: 2018-08-02 22:45:45
Local clock offset: 0.249 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-03 03:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.74 Mbit/s
95th percentile per-packet one-way delay: 175.063 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 103.10 Mbit/s
95th percentile per-packet one-way delay: 165.527 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 116.67 Mbit/s
95th percentile per-packet one-way delay: 147.072 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 190.32 Mbit/s
95th percentile per-packet one-way delay: 223.995 ms
Loss rate: 2.41%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-02 23:12:22

End at: 2018-08-02 23:12:52

Local clock offset: 0.18 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-08-03 03:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.25 Mbit/s

95th percentile per-packet one-way delay: 202.723 ms

Loss rate: 2.65%

-- Flow 1:

Average throughput: 172.78 Mbit/s

95th percentile per-packet one-way delay: 188.252 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 56.02 Mbit/s

95th percentile per-packet one-way delay: 162.841 ms

Loss rate: 0.03%

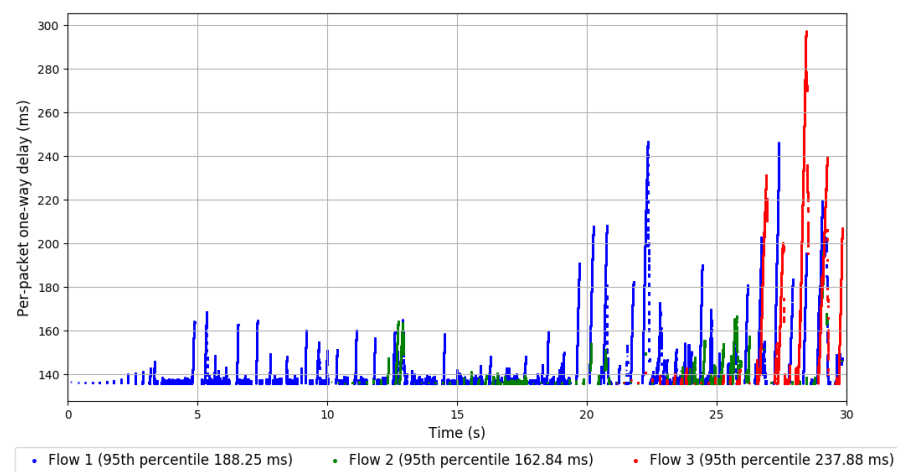
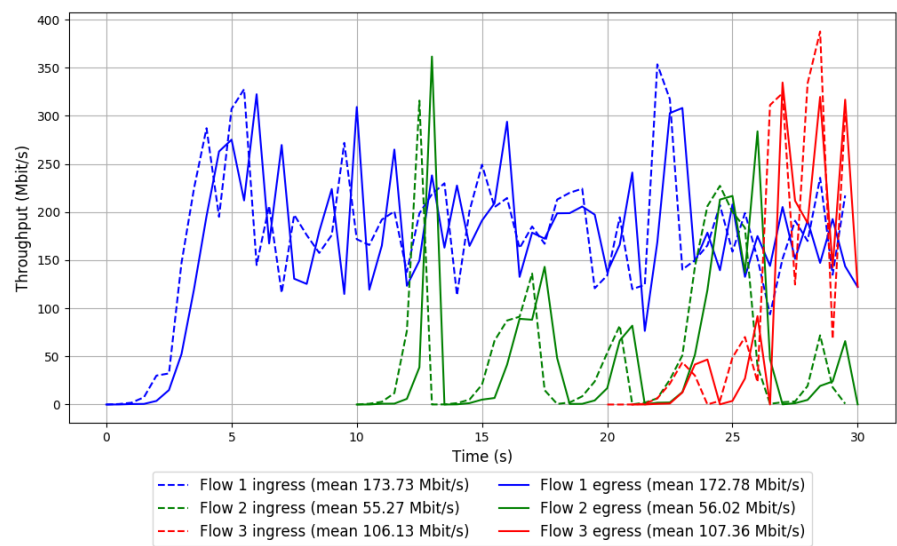
-- Flow 3:

Average throughput: 107.36 Mbit/s

95th percentile per-packet one-way delay: 237.882 ms

Loss rate: 11.28%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-02 23:39:40

End at: 2018-08-02 23:40:10

Local clock offset: 0.156 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-08-03 03:17:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 256.37 Mbit/s

95th percentile per-packet one-way delay: 285.574 ms

Loss rate: 9.88%

-- Flow 1:

Average throughput: 156.69 Mbit/s

95th percentile per-packet one-way delay: 228.318 ms

Loss rate: 7.96%

-- Flow 2:

Average throughput: 144.87 Mbit/s

95th percentile per-packet one-way delay: 314.064 ms

Loss rate: 12.99%

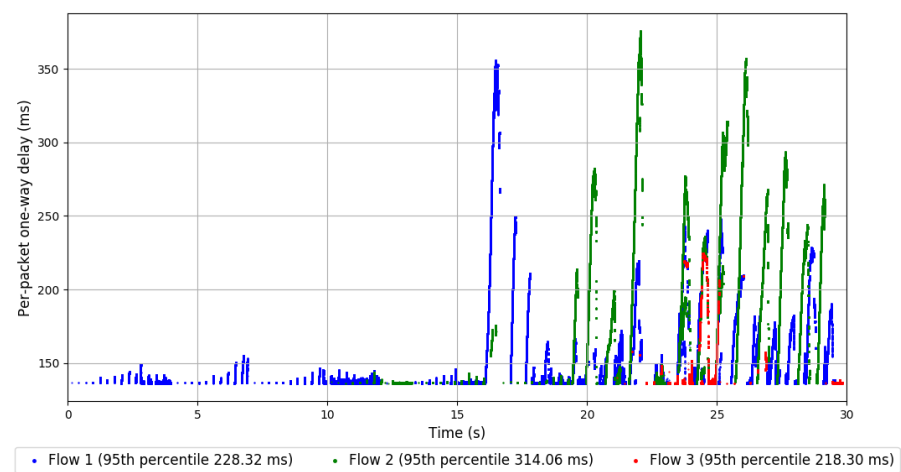
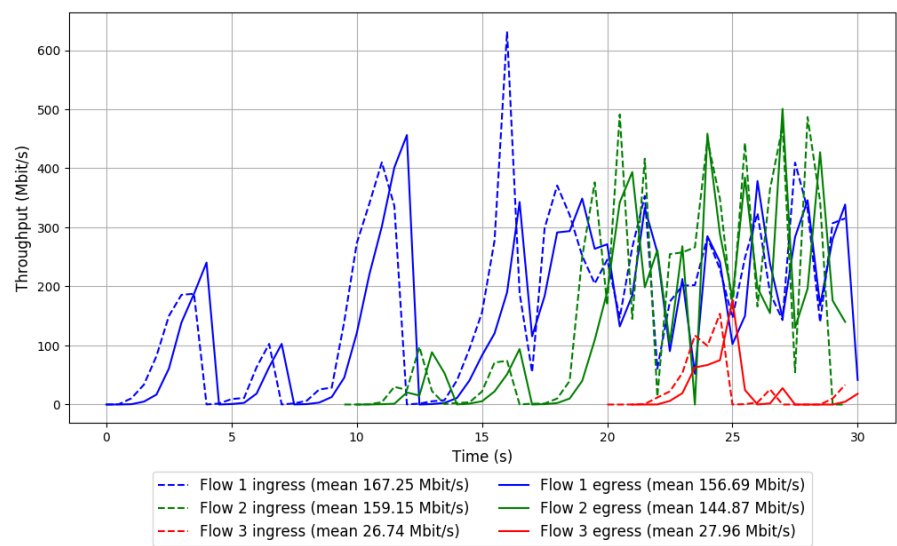
-- Flow 3:

Average throughput: 27.96 Mbit/s

95th percentile per-packet one-way delay: 218.303 ms

Loss rate: 8.88%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-03 00:06:56

End at: 2018-08-03 00:07:26

Local clock offset: -0.041 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-08-03 03:17:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.41 Mbit/s

95th percentile per-packet one-way delay: 150.886 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 137.58 Mbit/s

95th percentile per-packet one-way delay: 152.255 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 148.271 ms

Loss rate: 3.25%

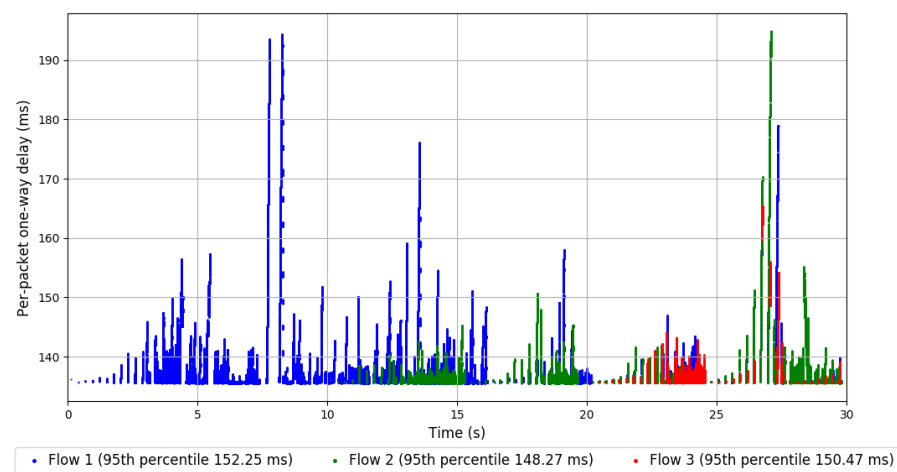
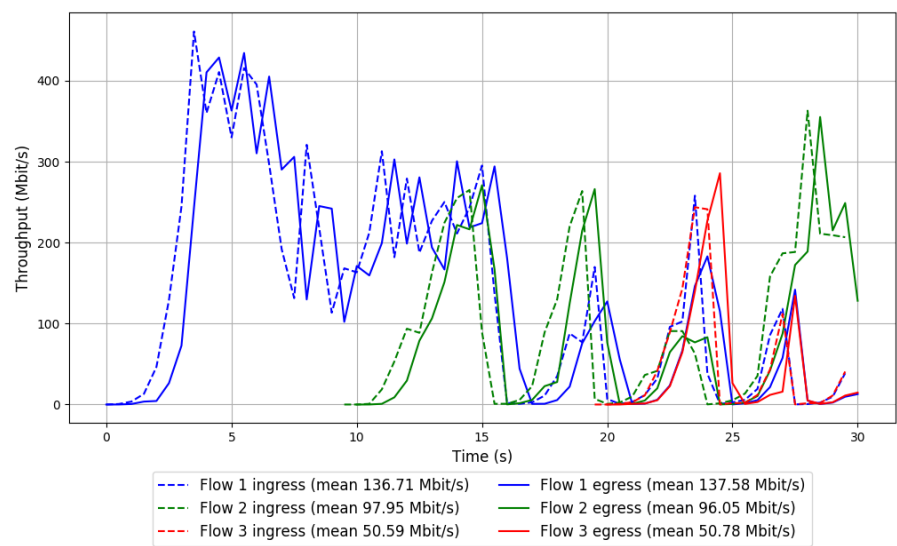
-- Flow 3:

Average throughput: 50.78 Mbit/s

95th percentile per-packet one-way delay: 150.474 ms

Loss rate: 2.59%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-03 00:34:33

End at: 2018-08-03 00:35:03

Local clock offset: 0.03 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-08-03 03:17:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.01 Mbit/s

95th percentile per-packet one-way delay: 166.564 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 100.65 Mbit/s

95th percentile per-packet one-way delay: 184.529 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 62.03 Mbit/s

95th percentile per-packet one-way delay: 159.479 ms

Loss rate: 1.36%

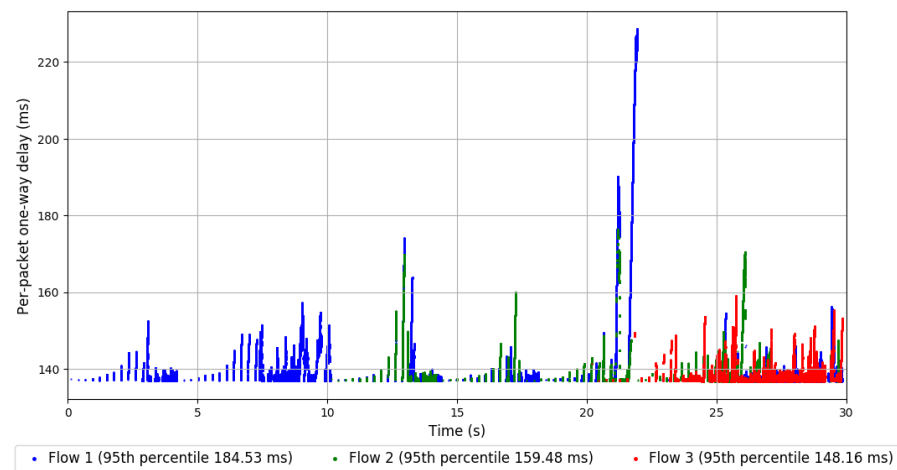
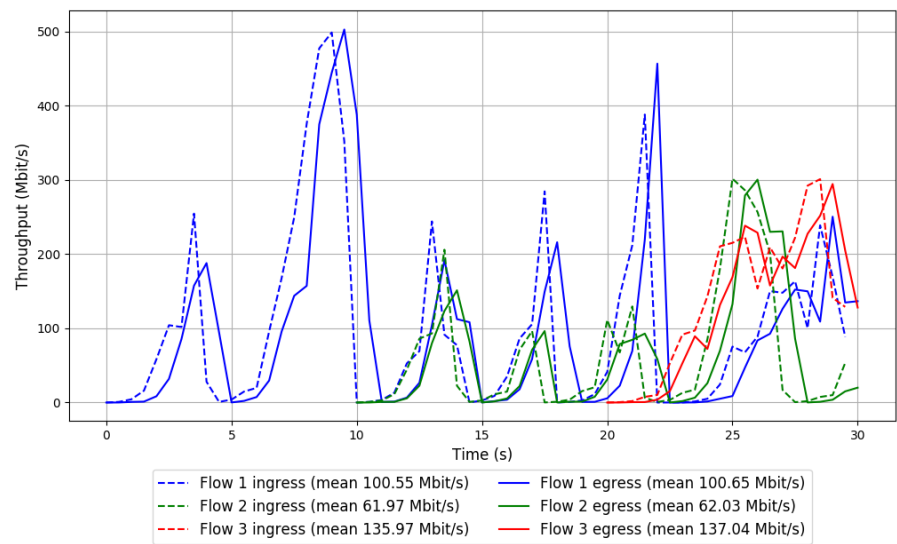
-- Flow 3:

Average throughput: 137.04 Mbit/s

95th percentile per-packet one-way delay: 148.161 ms

Loss rate: 1.42%

Run 10: Report of Verus — Data Link

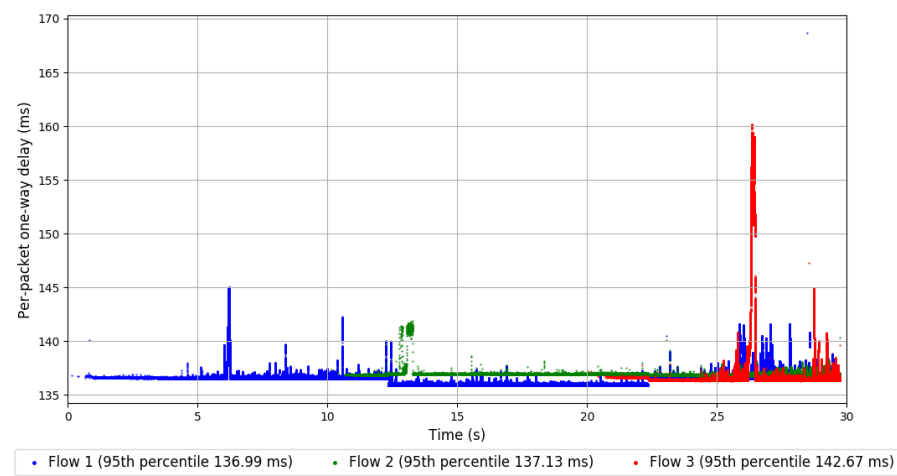
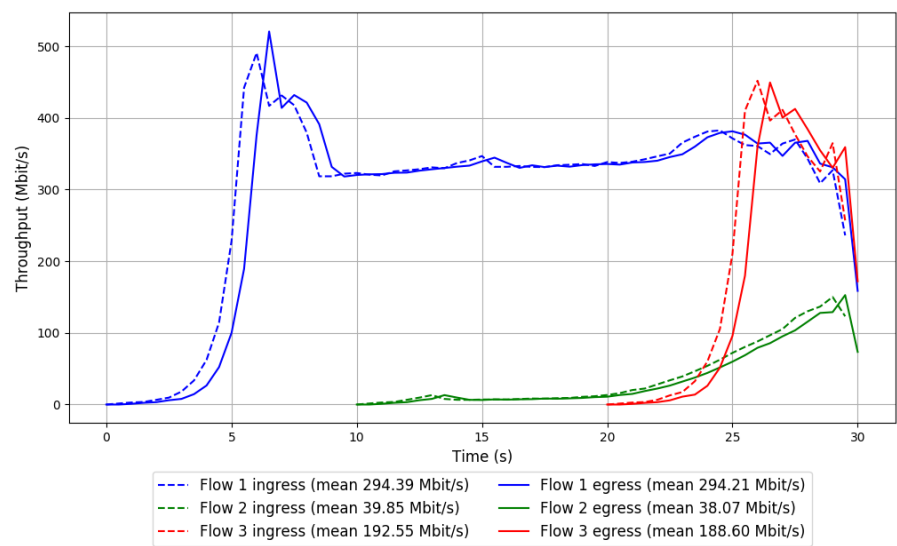


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-02 20:34:25
End at: 2018-08-02 20:34:55
Local clock offset: 0.222 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-08-03 03:20:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 380.39 Mbit/s
95th percentile per-packet one-way delay: 137.357 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 294.21 Mbit/s
95th percentile per-packet one-way delay: 136.986 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 137.134 ms
Loss rate: 5.75%
-- Flow 3:
Average throughput: 188.60 Mbit/s
95th percentile per-packet one-way delay: 142.666 ms
Loss rate: 4.74%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-02 21:01:34

End at: 2018-08-02 21:02:04

Local clock offset: -0.06 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-08-03 03:21:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.94 Mbit/s

95th percentile per-packet one-way delay: 187.977 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 304.33 Mbit/s

95th percentile per-packet one-way delay: 179.840 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 114.21 Mbit/s

95th percentile per-packet one-way delay: 136.475 ms

Loss rate: 1.89%

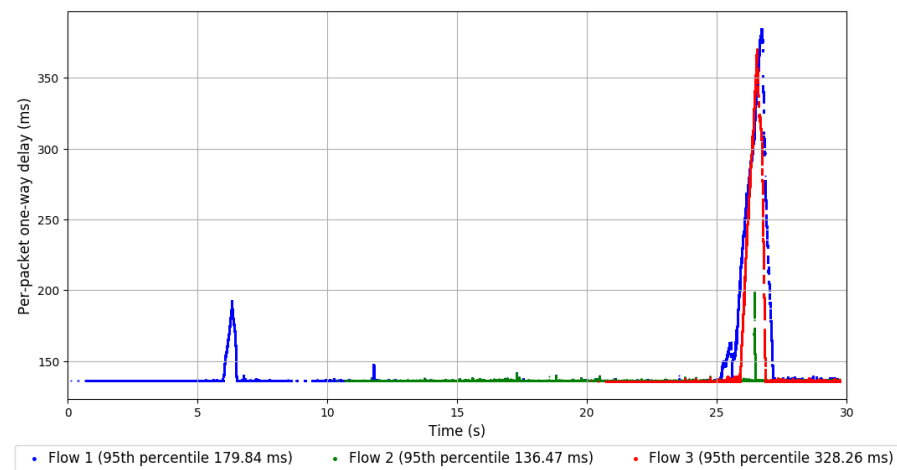
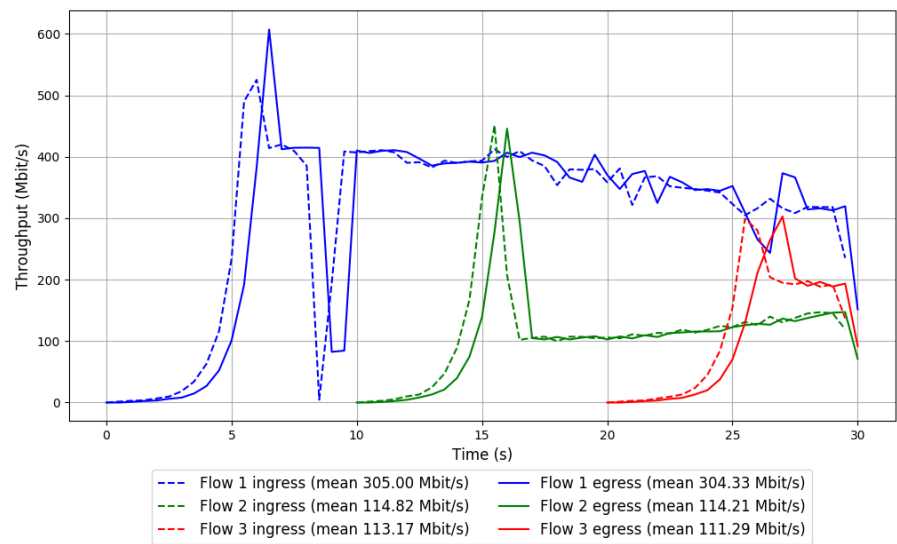
-- Flow 3:

Average throughput: 111.29 Mbit/s

95th percentile per-packet one-way delay: 328.259 ms

Loss rate: 4.38%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-02 21:29:13

End at: 2018-08-02 21:29:43

Local clock offset: 0.213 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2018-08-03 03:23:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 456.40 Mbit/s

95th percentile per-packet one-way delay: 136.219 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 306.77 Mbit/s

95th percentile per-packet one-way delay: 135.069 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 162.93 Mbit/s

95th percentile per-packet one-way delay: 136.228 ms

Loss rate: 1.55%

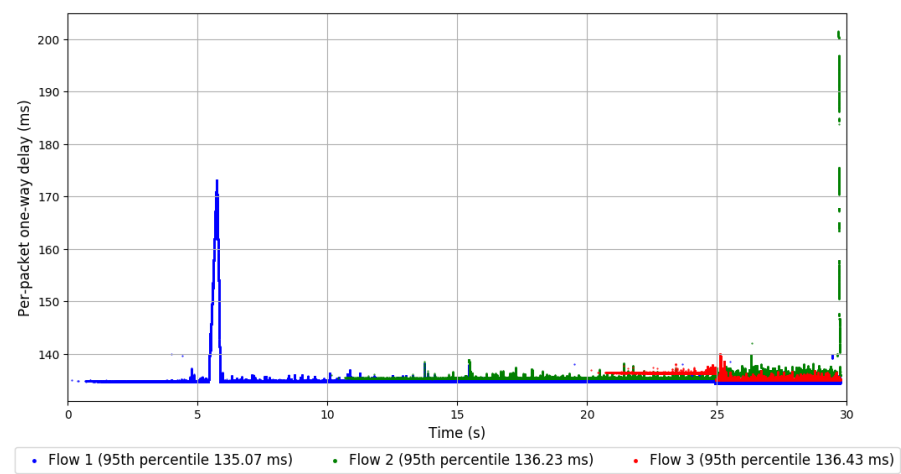
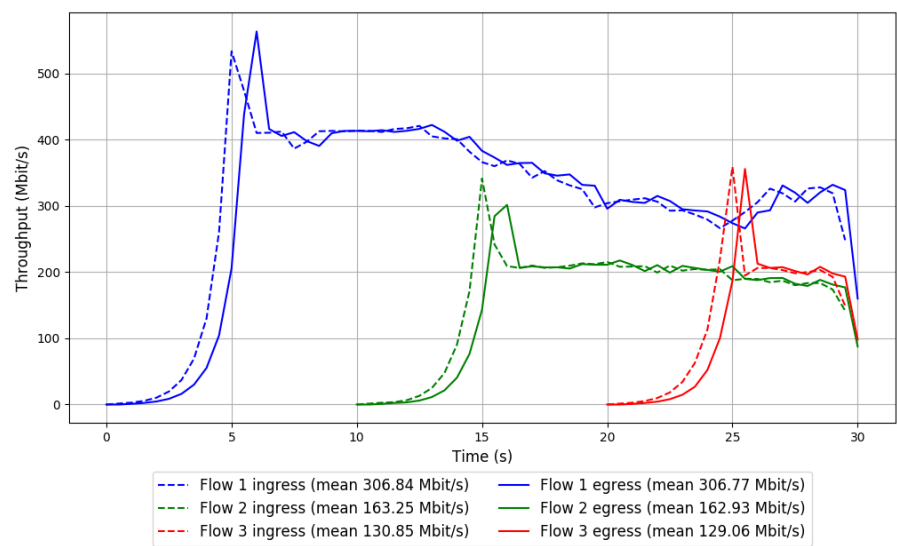
-- Flow 3:

Average throughput: 129.06 Mbit/s

95th percentile per-packet one-way delay: 136.431 ms

Loss rate: 4.09%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-02 21:55:52

End at: 2018-08-02 21:56:22

Local clock offset: 0.031 ms

Remote clock offset: 0.384 ms

Below is generated by plot.py at 2018-08-03 03:23:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 344.81 Mbit/s

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

Loss rate: 1.67%

-- Flow 1:

Average throughput: 267.95 Mbit/s

95th percentile per-packet one-way delay: 138.834 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 60.19 Mbit/s

95th percentile per-packet one-way delay: 136.635 ms

Loss rate: 5.82%

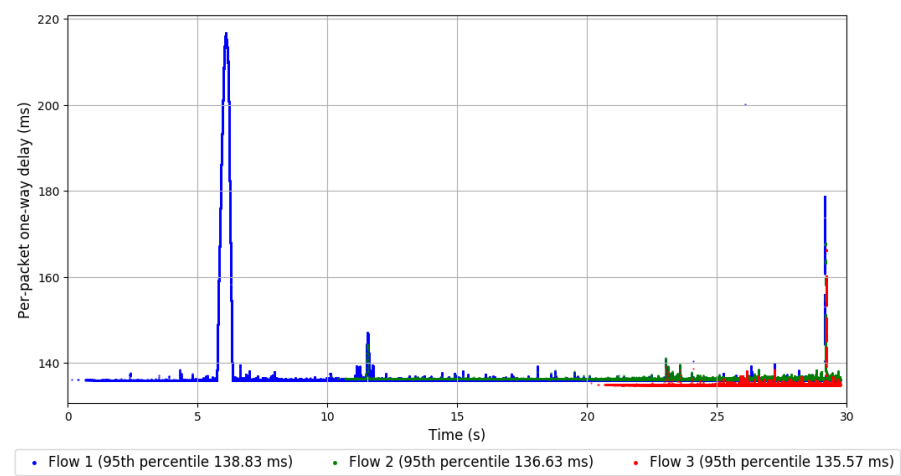
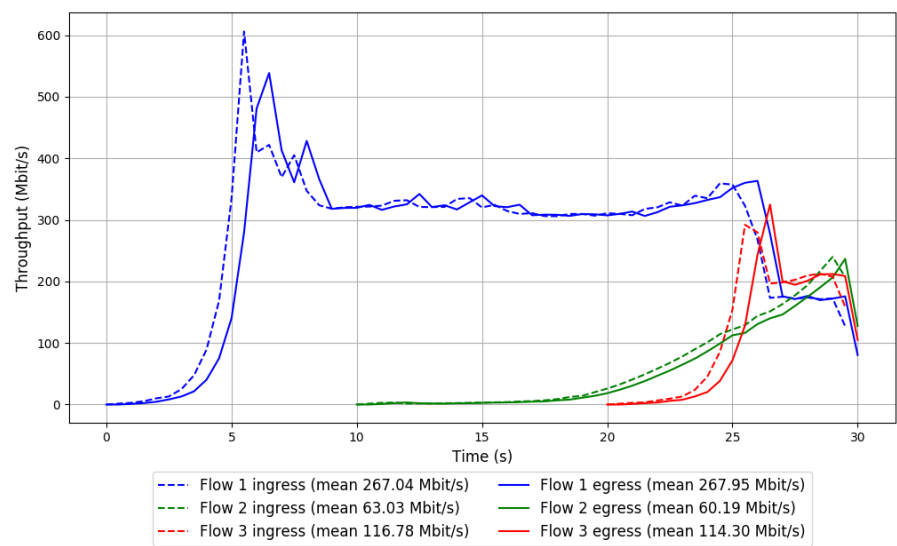
-- Flow 3:

Average throughput: 114.30 Mbit/s

95th percentile per-packet one-way delay: 135.572 ms

Loss rate: 4.81%

Run 4: Report of PCC-Vivace — Data Link

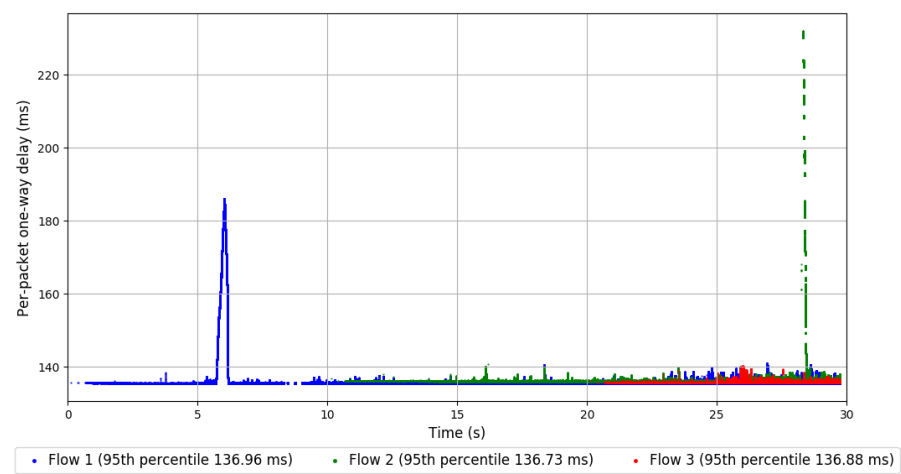
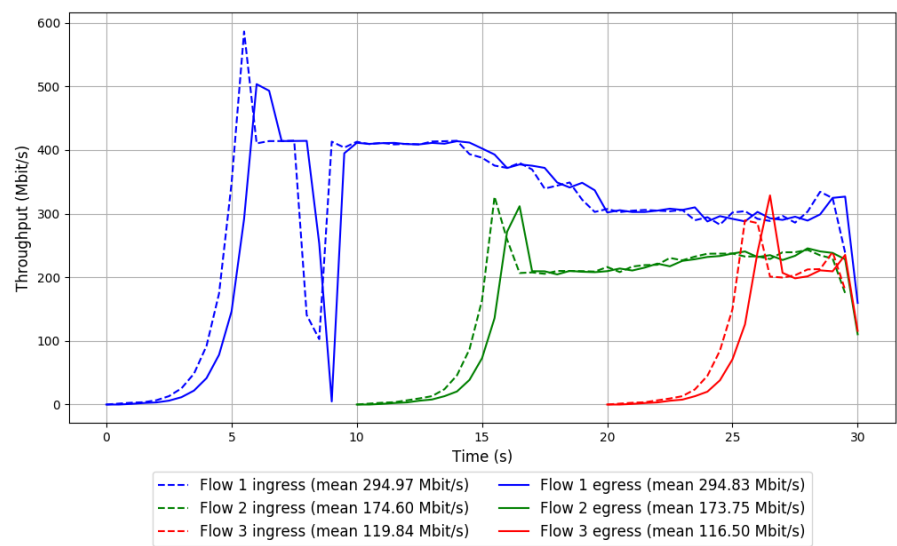


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-02 22:22:39
End at: 2018-08-02 22:23:09
Local clock offset: 0.112 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-08-03 03:23:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.56 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 294.83 Mbit/s
95th percentile per-packet one-way delay: 136.961 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 173.75 Mbit/s
95th percentile per-packet one-way delay: 136.726 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 116.50 Mbit/s
95th percentile per-packet one-way delay: 136.881 ms
Loss rate: 5.47%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-02 22:50:10

End at: 2018-08-02 22:50:40

Local clock offset: 0.092 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-03 03:24:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 446.08 Mbit/s

95th percentile per-packet one-way delay: 140.691 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 281.01 Mbit/s

95th percentile per-packet one-way delay: 161.558 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 191.94 Mbit/s

95th percentile per-packet one-way delay: 136.212 ms

Loss rate: 2.49%

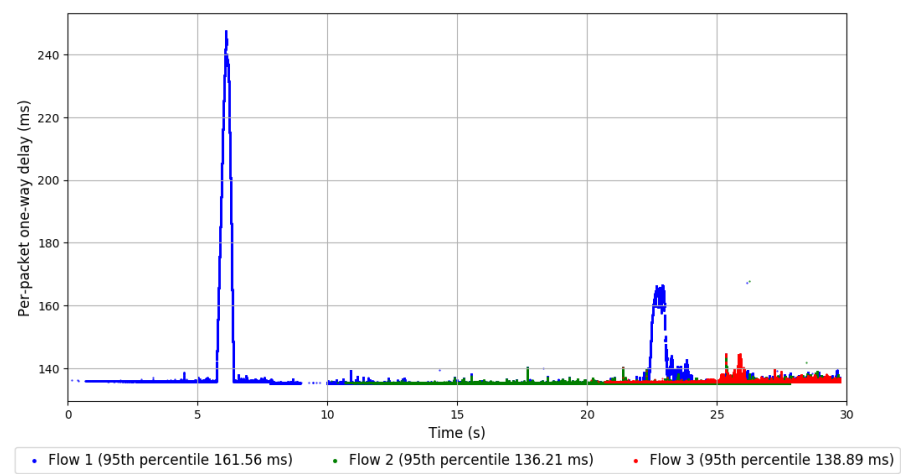
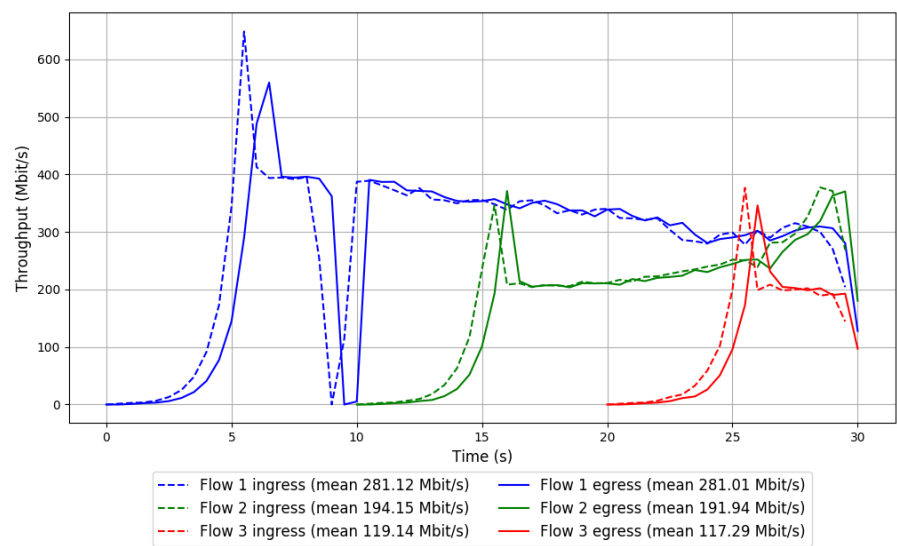
-- Flow 3:

Average throughput: 117.29 Mbit/s

95th percentile per-packet one-way delay: 138.893 ms

Loss rate: 4.26%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-02 23:17:12

End at: 2018-08-02 23:17:42

Local clock offset: 0.037 ms

Remote clock offset: 0.462 ms

Below is generated by plot.py at 2018-08-03 03:24:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.94 Mbit/s

95th percentile per-packet one-way delay: 135.969 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 321.85 Mbit/s

95th percentile per-packet one-way delay: 135.674 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 178.95 Mbit/s

95th percentile per-packet one-way delay: 135.920 ms

Loss rate: 1.87%

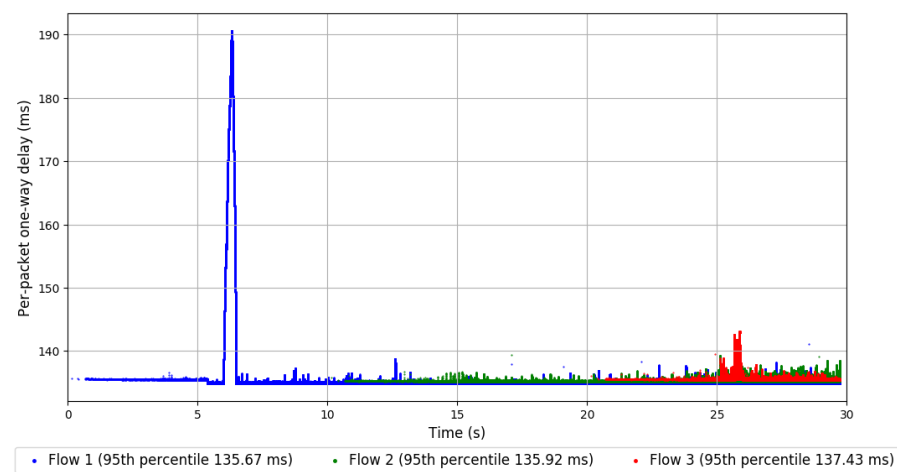
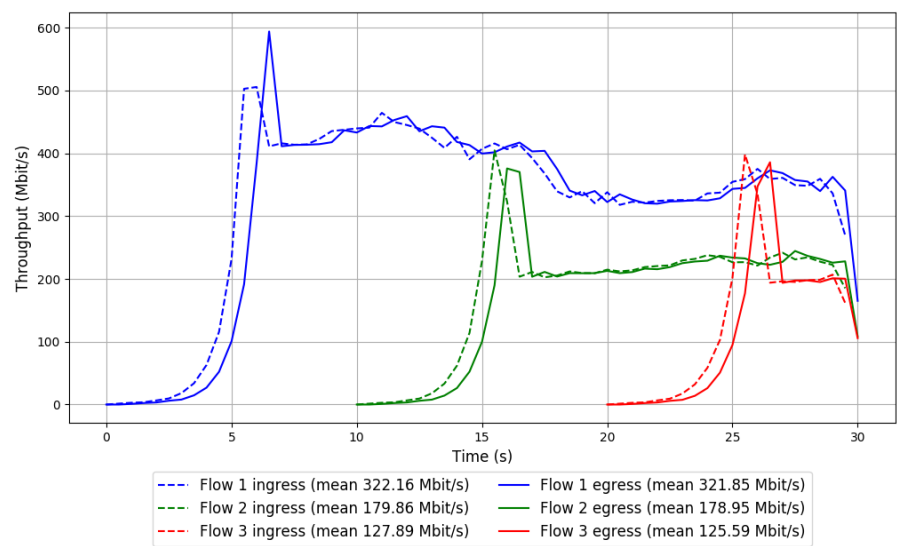
-- Flow 3:

Average throughput: 125.59 Mbit/s

95th percentile per-packet one-way delay: 137.432 ms

Loss rate: 4.51%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-02 23:44:29

End at: 2018-08-02 23:44:59

Local clock offset: 0.018 ms

Remote clock offset: 0.406 ms

Below is generated by plot.py at 2018-08-03 03:24:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.62 Mbit/s

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

Loss rate: 1.66%

-- Flow 1:

Average throughput: 249.43 Mbit/s

95th percentile per-packet one-way delay: 136.304 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 186.51 Mbit/s

95th percentile per-packet one-way delay: 136.060 ms

Loss rate: 2.13%

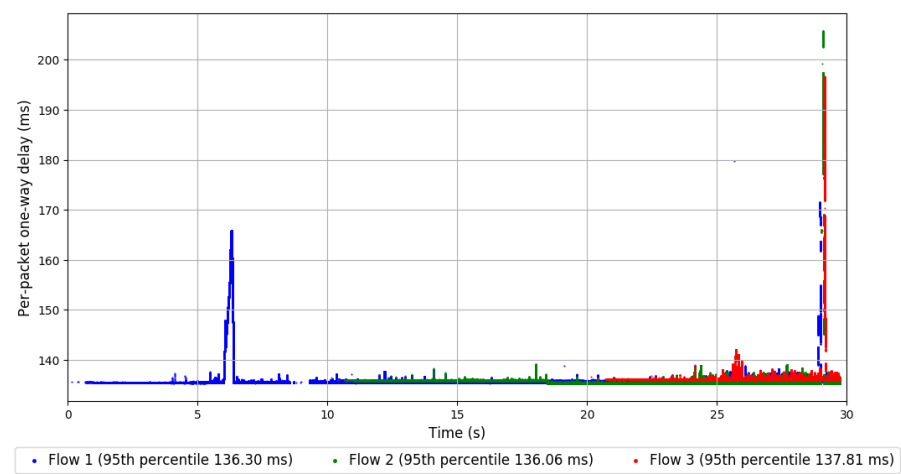
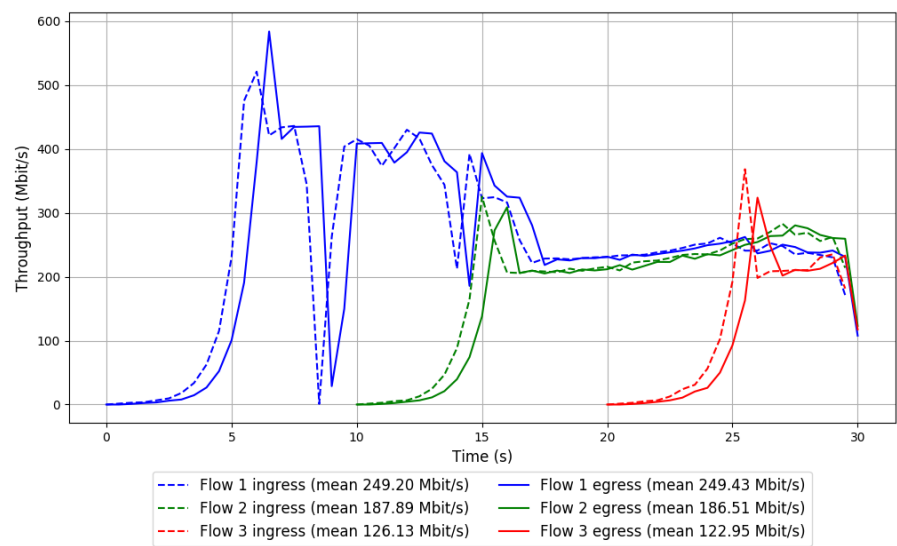
-- Flow 3:

Average throughput: 122.95 Mbit/s

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

Loss rate: 5.23%

Run 8: Report of PCC-Vivace — Data Link

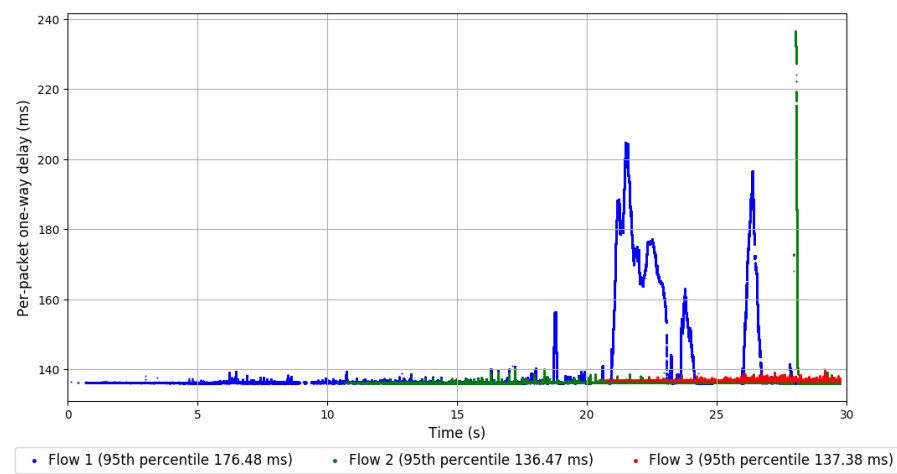
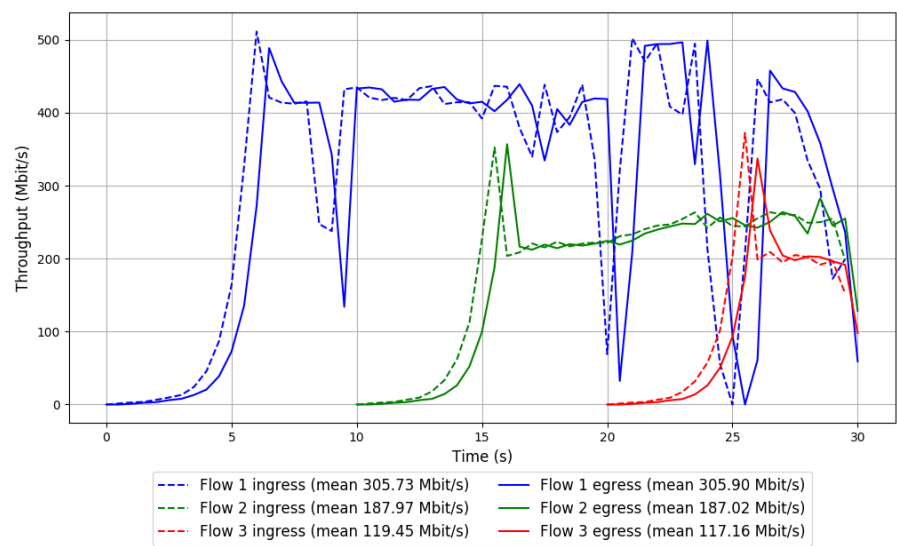


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-03 00:11:40
End at: 2018-08-03 00:12:10
Local clock offset: 0.019 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-08-03 03:25:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.66 Mbit/s
95th percentile per-packet one-way delay: 172.938 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 305.90 Mbit/s
95th percentile per-packet one-way delay: 176.476 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 187.02 Mbit/s
95th percentile per-packet one-way delay: 136.470 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 117.16 Mbit/s
95th percentile per-packet one-way delay: 137.376 ms
Loss rate: 4.63%

Run 9: Report of PCC-Vivace — Data Link

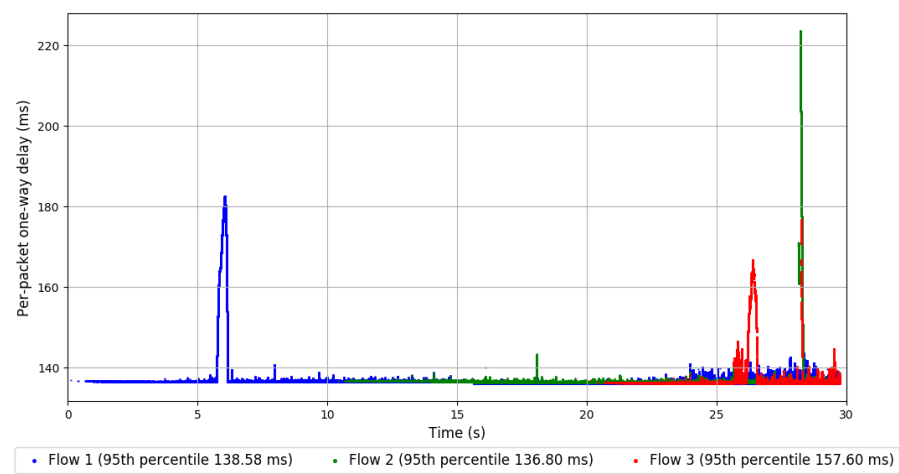
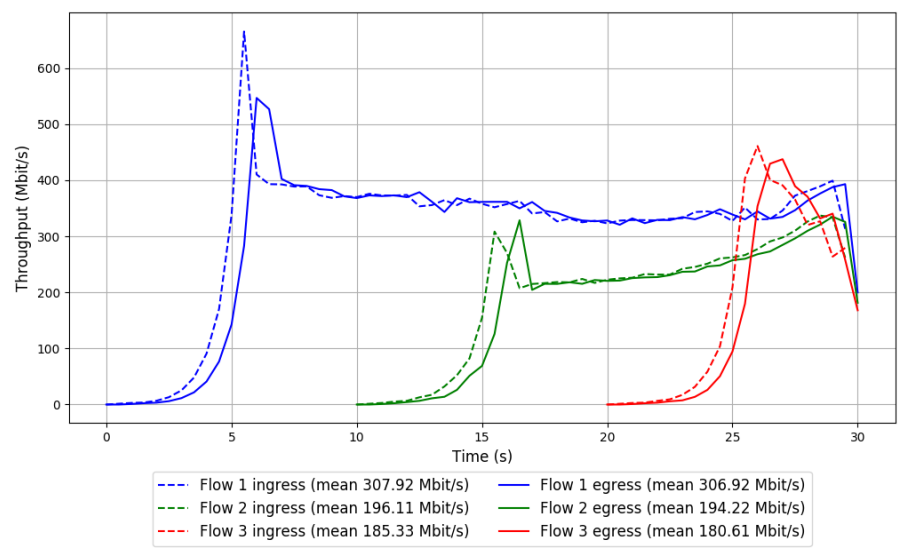


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-03 00:39:12
End at: 2018-08-03 00:39:42
Local clock offset: 0.2 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-08-03 03:25:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.92 Mbit/s
95th percentile per-packet one-way delay: 139.768 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 306.92 Mbit/s
95th percentile per-packet one-way delay: 138.577 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 194.22 Mbit/s
95th percentile per-packet one-way delay: 136.804 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 180.61 Mbit/s
95th percentile per-packet one-way delay: 157.600 ms
Loss rate: 5.23%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-02 20:40:40

End at: 2018-08-02 20:41:10

Local clock offset: 0.022 ms

Remote clock offset: 0.434 ms

Below is generated by plot.py at 2018-08-03 03:25:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 136.252 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 136.260 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 135.948 ms

Loss rate: 2.07%

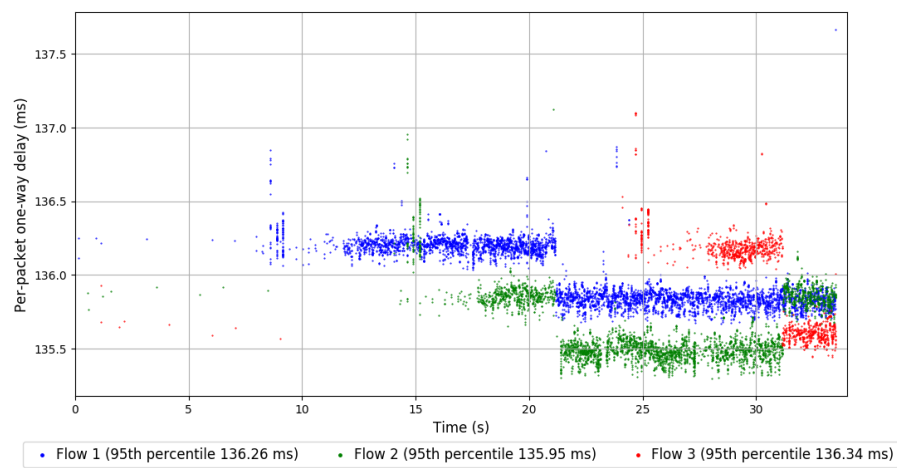
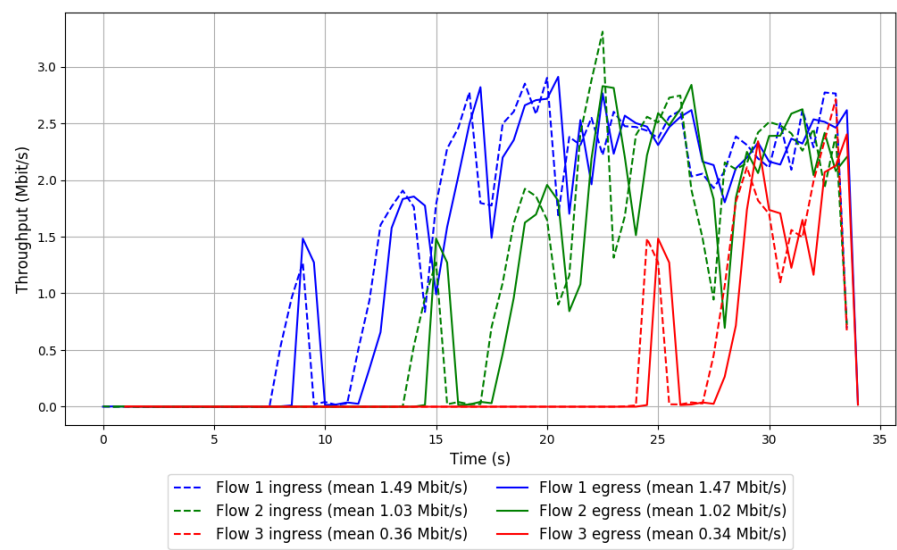
-- Flow 3:

Average throughput: 0.34 Mbit/s

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

Loss rate: 7.09%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-02 21:08:23

End at: 2018-08-02 21:08:53

Local clock offset: 0.148 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-03 03:25:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 136.405 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 136.418 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 136.386 ms

Loss rate: 1.83%

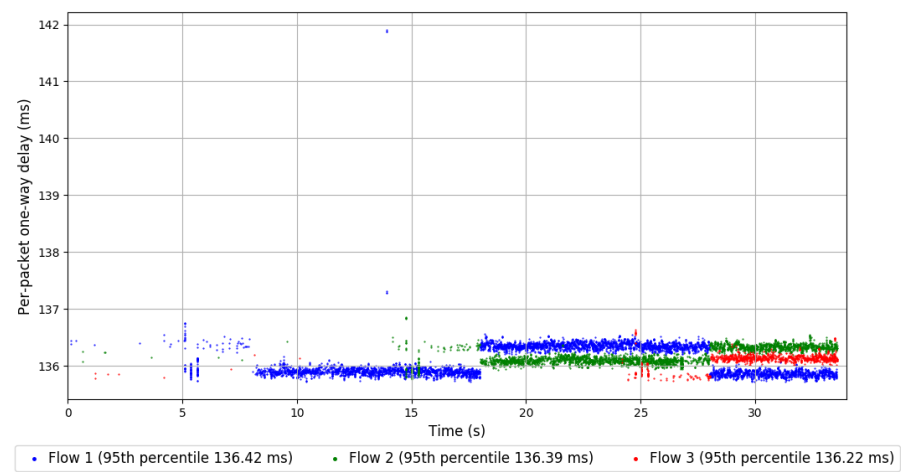
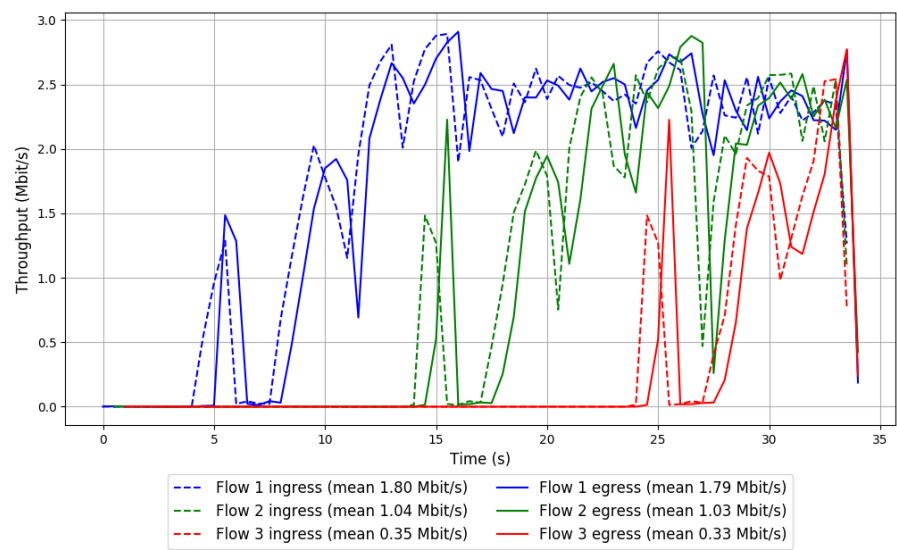
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 136.216 ms

Loss rate: 4.43%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-02 21:35:43

End at: 2018-08-02 21:36:13

Local clock offset: 0.126 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-08-03 03:25:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 136.501 ms

Loss rate: 1.73%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 136.503 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 135.478 ms

Loss rate: 1.82%

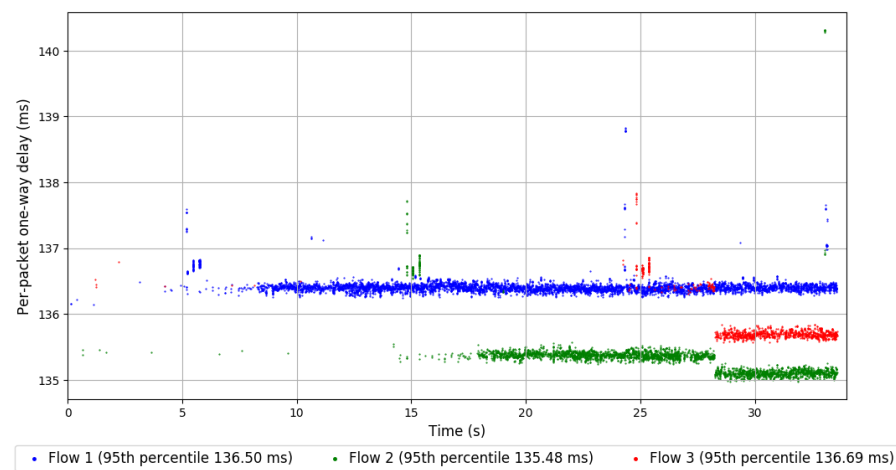
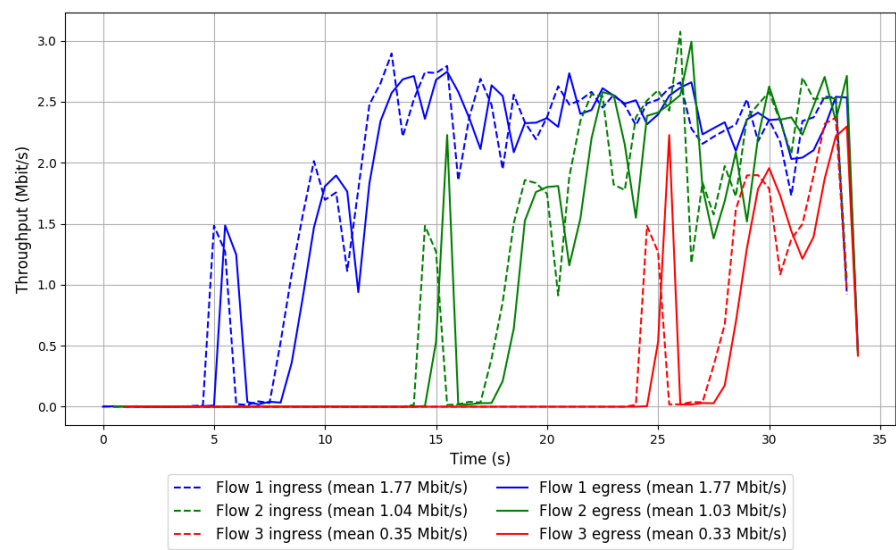
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 136.691 ms

Loss rate: 5.46%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-02 22:02:16

End at: 2018-08-02 22:02:46

Local clock offset: -0.155 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-08-03 03:25:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 136.545 ms

Loss rate: 2.00%

-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 136.555 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 136.392 ms

Loss rate: 2.14%

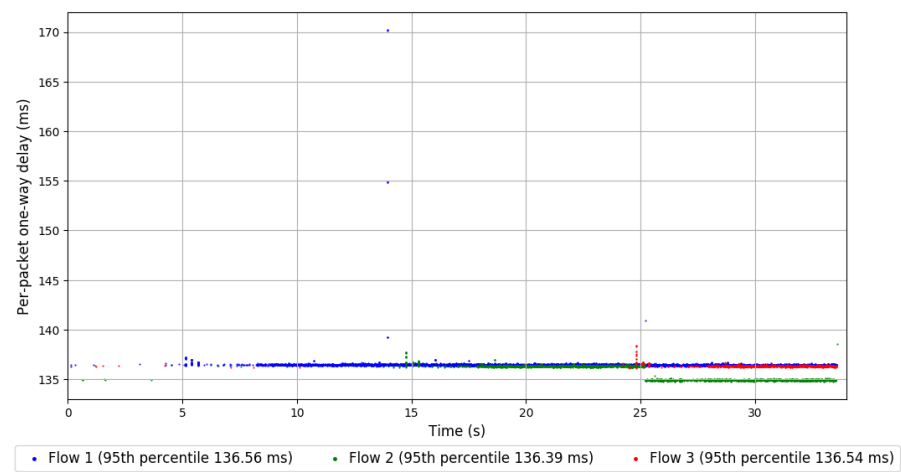
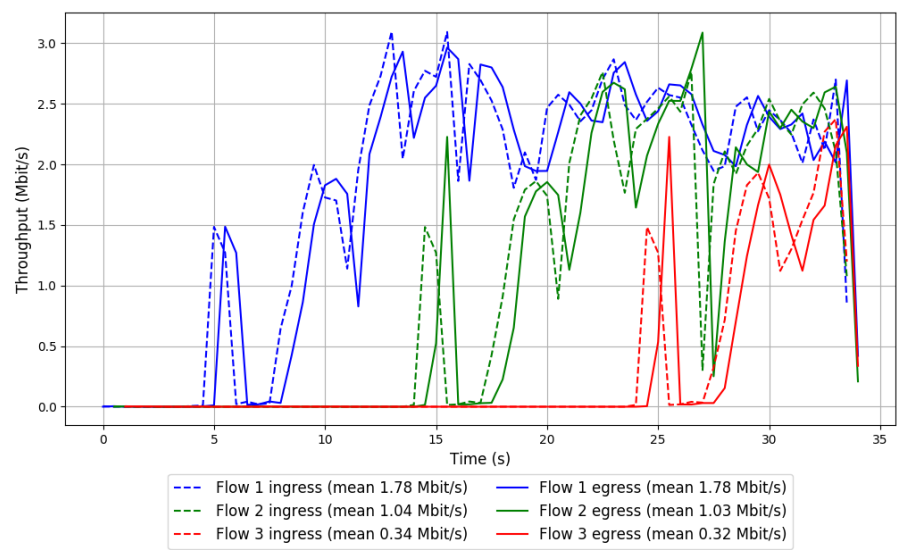
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 136.539 ms

Loss rate: 6.67%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-02 22:29:08

End at: 2018-08-02 22:29:38

Local clock offset: 0.066 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2018-08-03 03:25:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 136.044 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 135.794 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 135.937 ms

Loss rate: 1.72%

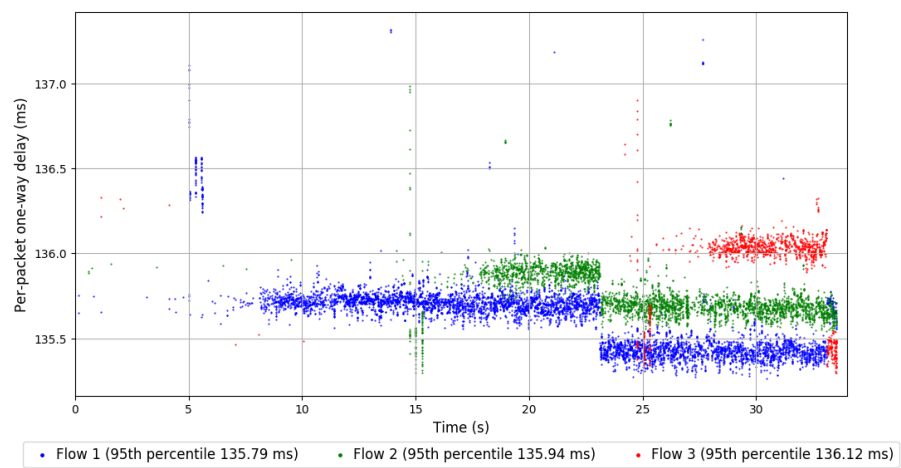
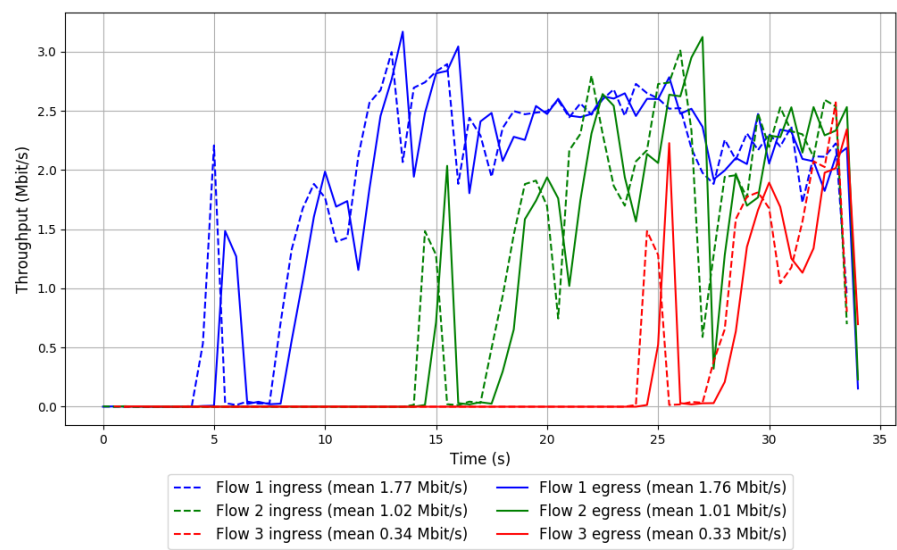
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 136.117 ms

Loss rate: 4.35%

Run 5: Report of WebRTC media — Data Link

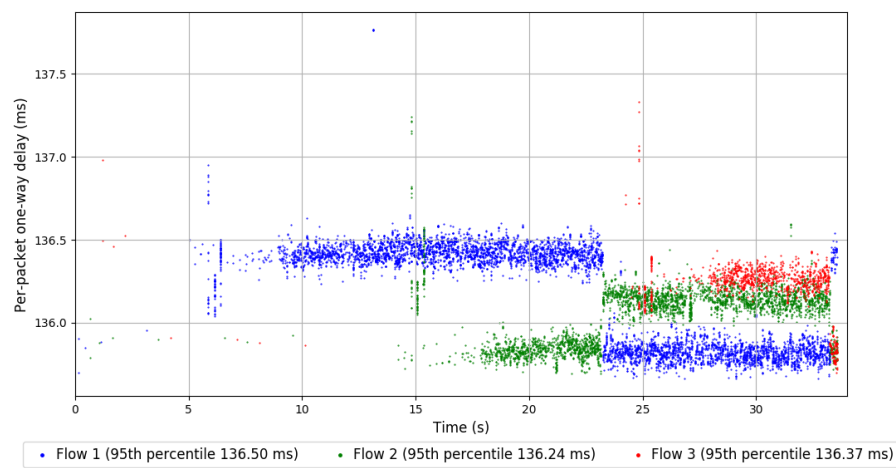
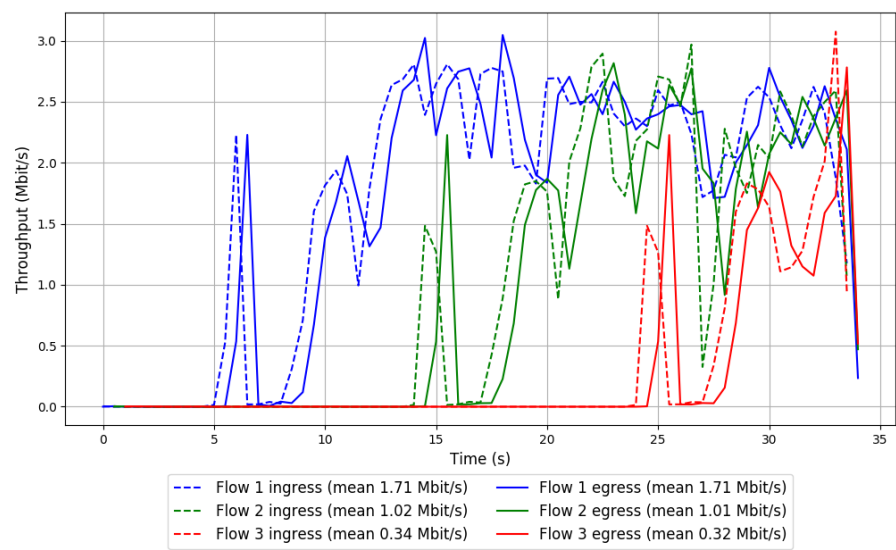


Run 6: Statistics of WebRTC media

Start at: 2018-08-02 22:56:28
End at: 2018-08-02 22:56:58
Local clock offset: 0.098 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-08-03 03:25:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 136.486 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 136.500 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 136.235 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 136.365 ms
Loss rate: 6.88%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-02 23:23:33

End at: 2018-08-02 23:24:03

Local clock offset: 0.262 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-03 03:25:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.90 Mbit/s

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

Loss rate: 1.78%

-- Flow 1:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 136.480 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 135.903 ms

Loss rate: 1.85%

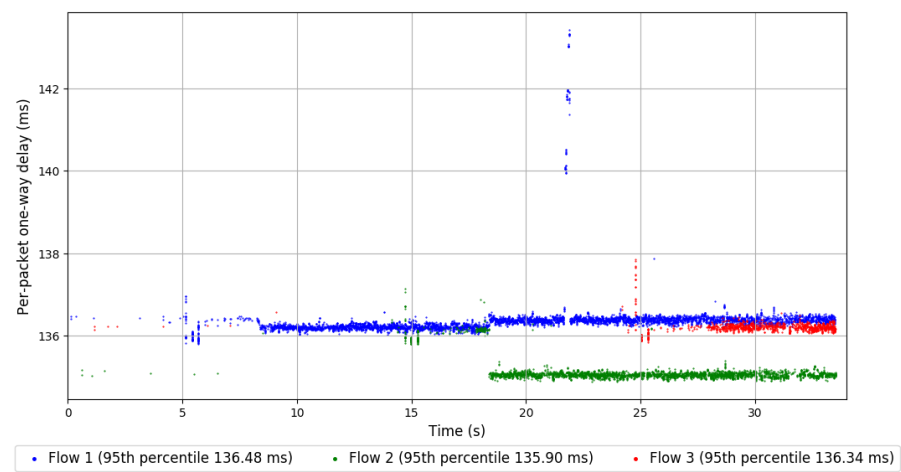
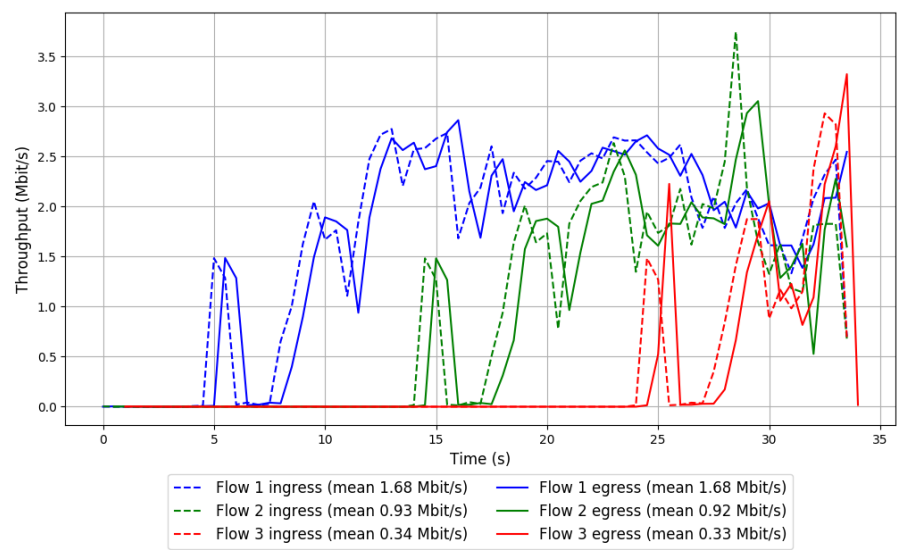
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 136.339 ms

Loss rate: 4.67%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-02 23:51:04

End at: 2018-08-02 23:51:34

Local clock offset: 0.105 ms

Remote clock offset: 0.401 ms

Below is generated by plot.py at 2018-08-03 03:25:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 136.060 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 136.046 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 136.055 ms

Loss rate: 1.72%

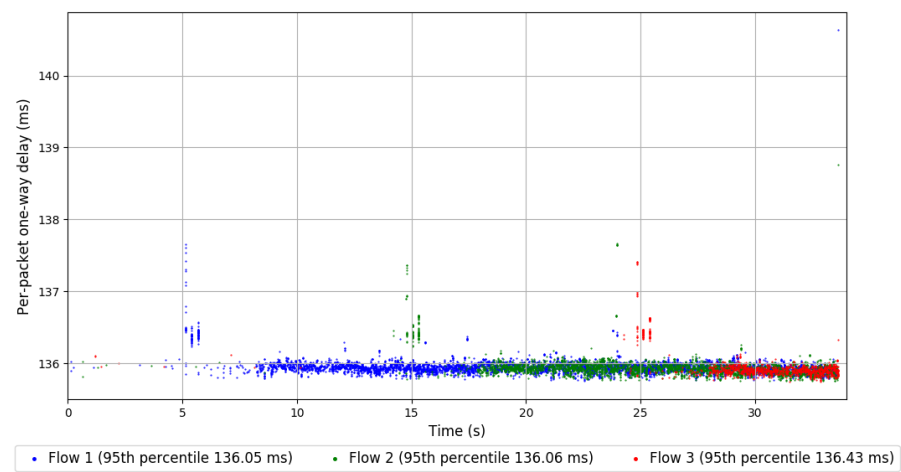
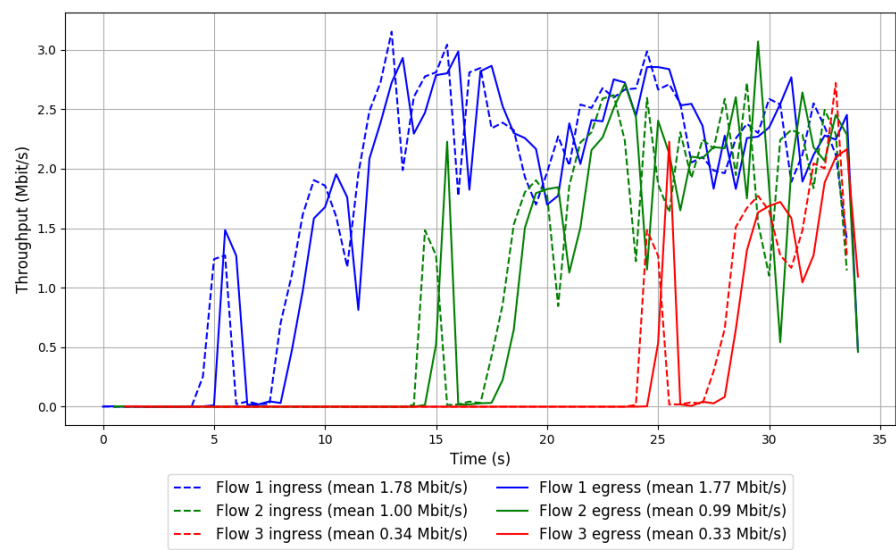
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 136.428 ms

Loss rate: 5.72%

Run 8: Report of WebRTC media — Data Link

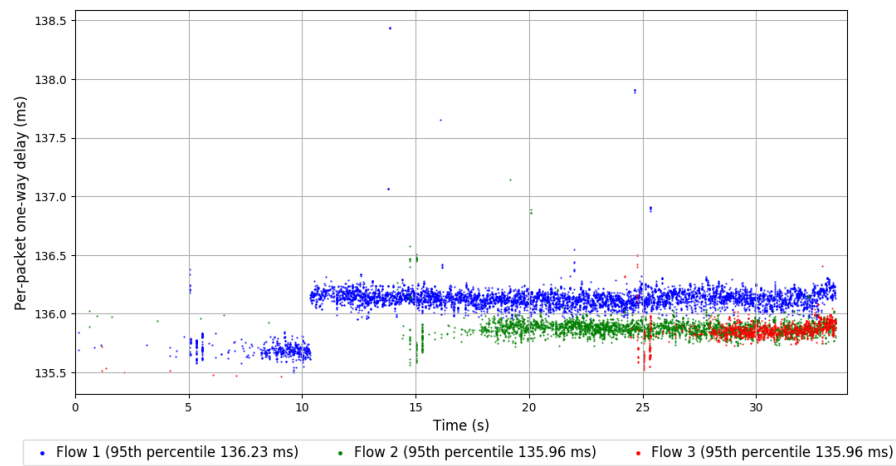
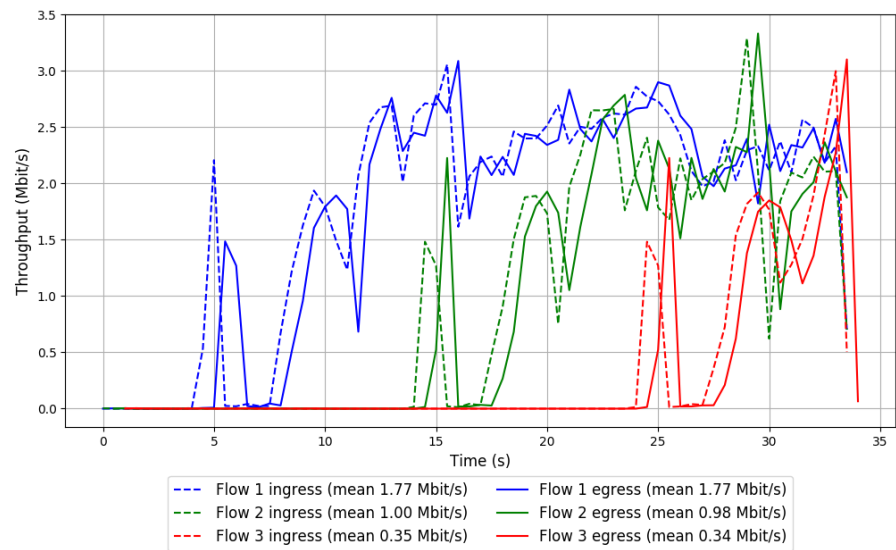


Run 9: Statistics of WebRTC media

Start at: 2018-08-03 00:18:31
End at: 2018-08-03 00:19:01
Local clock offset: -0.078 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-03 03:25:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 136.209 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 136.227 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 135.961 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 135.959 ms
Loss rate: 4.38%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-03 00:46:10
End at: 2018-08-03 00:46:40
Local clock offset: -0.147 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-03 03:25:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 136.552 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.233 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 136.343 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.644 ms
Loss rate: 5.47%

Run 10: Report of WebRTC media — Data Link

