

Pantheon Report

Generated at 2018-07-26 12:09:20 (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.

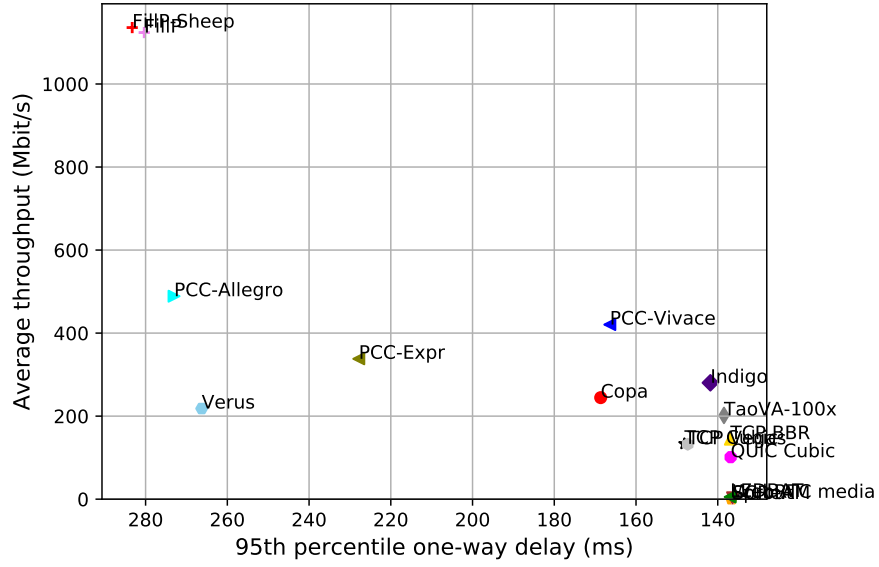
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

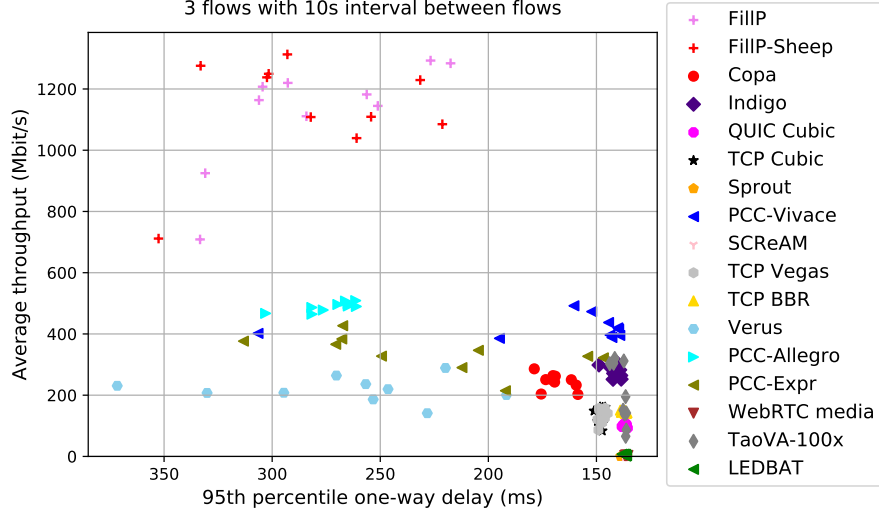
Git summary:

```
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	74.88	72.79	65.95	136.80	137.03	137.10	1.01	1.37	3.37
Copa	10	120.23	157.64	67.20	167.53	168.77	152.01	0.74	0.87	2.49
TCP Cubic	10	81.90	53.49	49.54	147.79	146.99	147.86	0.94	3.02	4.47
FillP	10	559.93	602.19	507.57	292.71	281.79	238.88	5.93	5.48	5.44
FillP-Sheep	10	599.37	580.77	467.11	292.28	263.85	208.37	4.98	4.68	4.68
Indigo	10	144.03	142.56	128.71	140.46	142.85	144.00	0.93	1.47	3.59
LEDBAT	10	3.26	2.59	1.16	136.98	136.80	136.53	1.82	3.16	5.76
PCC-Allegro	10	463.19	22.99	32.27	273.54	269.40	268.47	3.92	3.56	6.05
PCC-Expr	10	224.50	132.70	79.44	223.32	205.08	210.52	3.18	2.48	4.74
QUIC Cubic	10	54.73	52.29	36.07	136.69	136.65	136.68	1.29	1.52	5.15
SCReAM	10	0.22	0.22	0.22	136.19	136.32	135.76	0.89	1.43	2.59
Sprout	10	0.17	0.17	0.22	136.62	136.57	136.50	0.81	1.07	1.70
TaoVA-100x	10	97.75	130.08	54.86	137.85	138.66	138.77	0.76	1.37	3.22
TCP Vegas	10	76.03	53.45	65.21	147.02	144.95	146.28	0.74	1.66	3.06
Verus	10	139.44	88.01	66.83	238.71	252.37	246.78	1.92	3.72	6.17
PCC-Vivace	10	237.13	212.50	132.06	165.85	173.01	162.73	1.27	1.69	4.56
WebRTC media	10	1.81	1.11	0.38	136.18	136.26	136.09	1.63	1.94	3.49

Run 1: Statistics of TCP BBR

Start at: 2018-07-26 04:55:47

End at: 2018-07-26 04:56:17

Local clock offset: 0.2 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-26 09:20:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.85 Mbit/s

95th percentile per-packet one-way delay: 135.859 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 135.893 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 135.827 ms

Loss rate: 1.52%

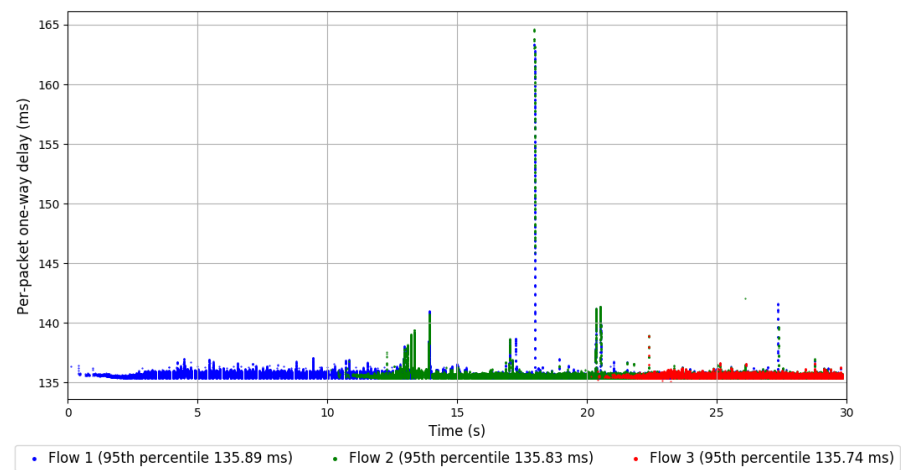
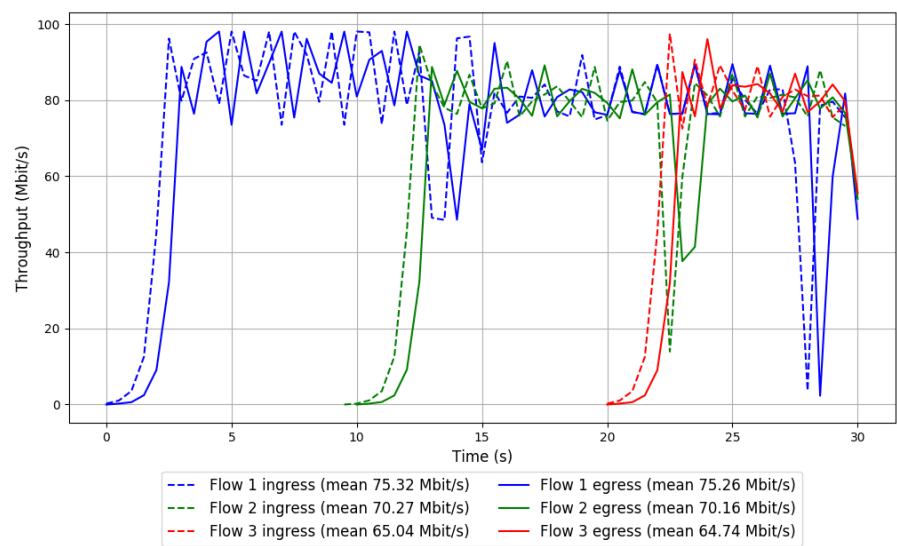
-- Flow 3:

Average throughput: 64.74 Mbit/s

95th percentile per-packet one-way delay: 135.744 ms

Loss rate: 3.17%

Run 1: Report of TCP BBR — Data Link

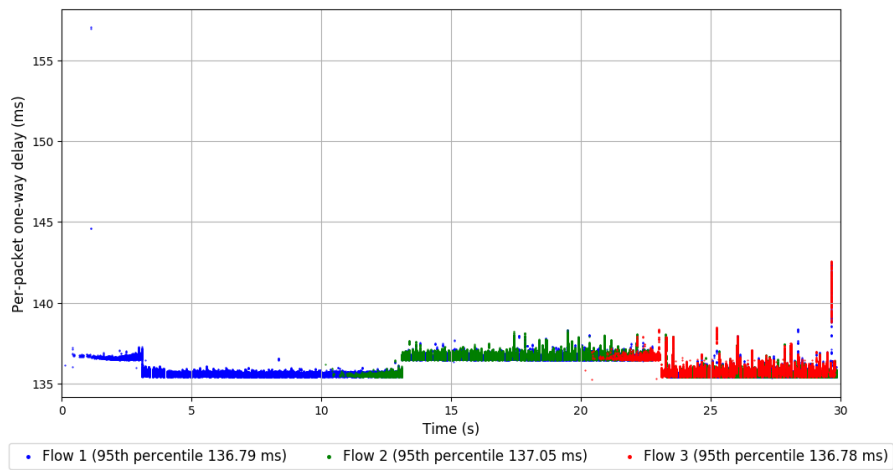
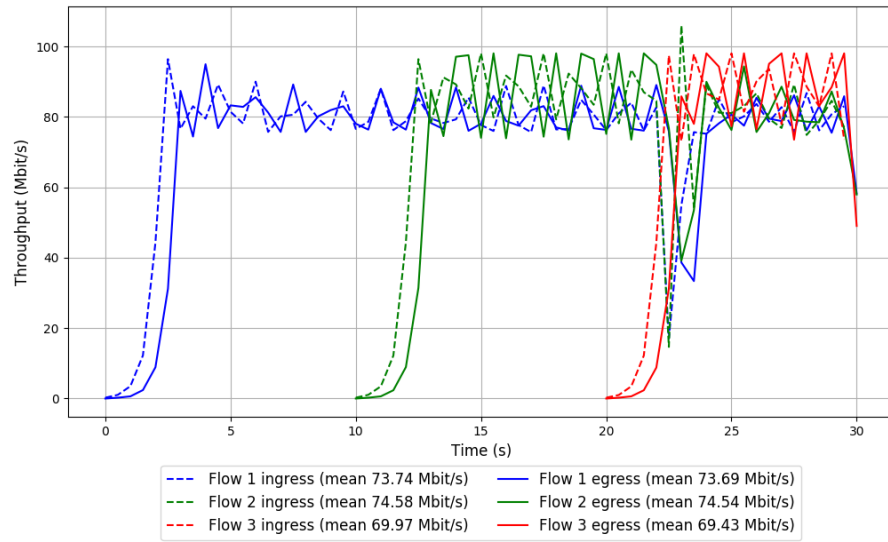


Run 2: Statistics of TCP BBR

Start at: 2018-07-26 05:23:08
End at: 2018-07-26 05:23:38
Local clock offset: -0.008 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-07-26 09:20:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.56 Mbit/s
95th percentile per-packet one-way delay: 136.908 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 73.69 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 137.047 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 136.775 ms
Loss rate: 3.54%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-26 05:50:10

End at: 2018-07-26 05:50:40

Local clock offset: 1.812 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-07-26 09:20:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.15 Mbit/s

95th percentile per-packet one-way delay: 138.469 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 74.58 Mbit/s

95th percentile per-packet one-way delay: 138.375 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 72.90 Mbit/s

95th percentile per-packet one-way delay: 138.527 ms

Loss rate: 1.52%

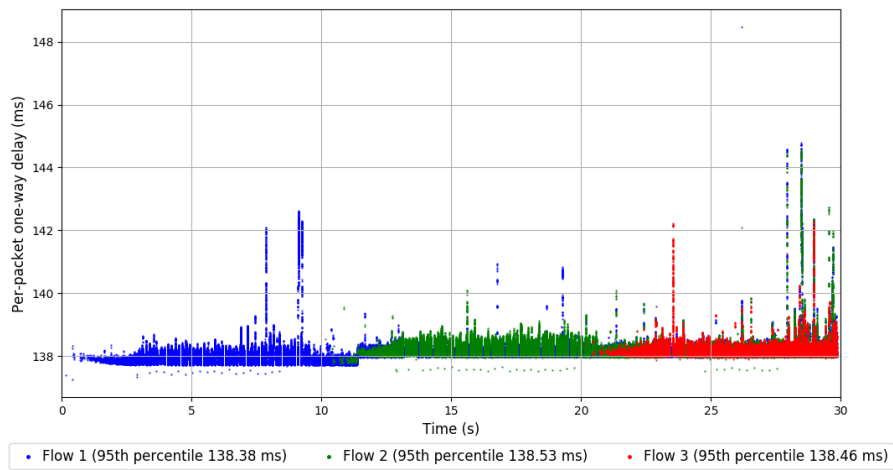
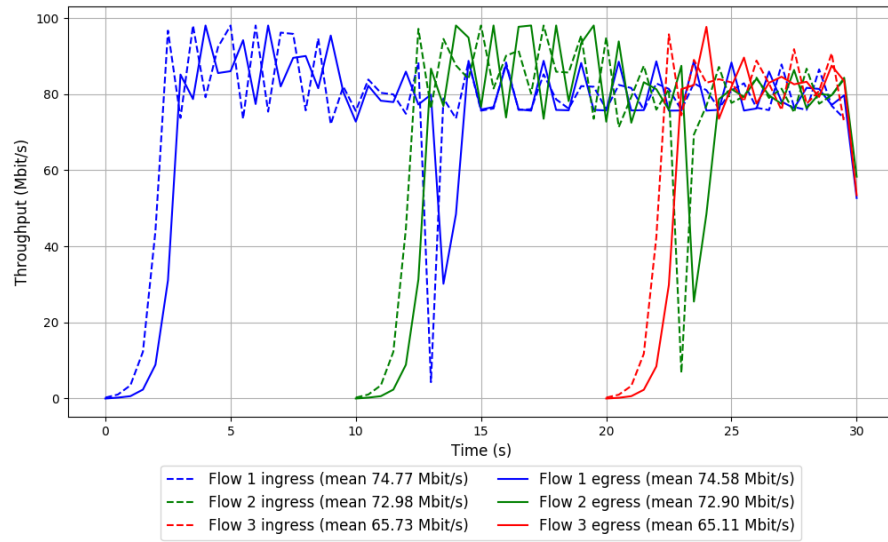
-- Flow 3:

Average throughput: 65.11 Mbit/s

95th percentile per-packet one-way delay: 138.462 ms

Loss rate: 3.38%

Run 3: Report of TCP BBR — Data Link

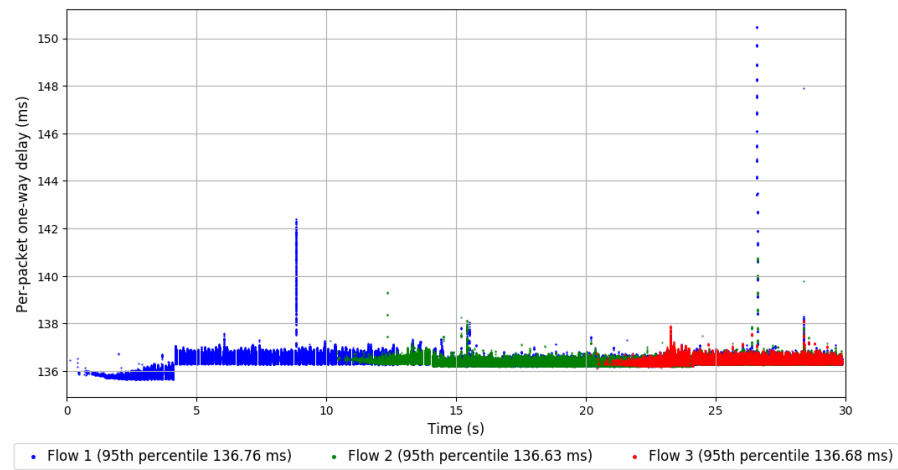
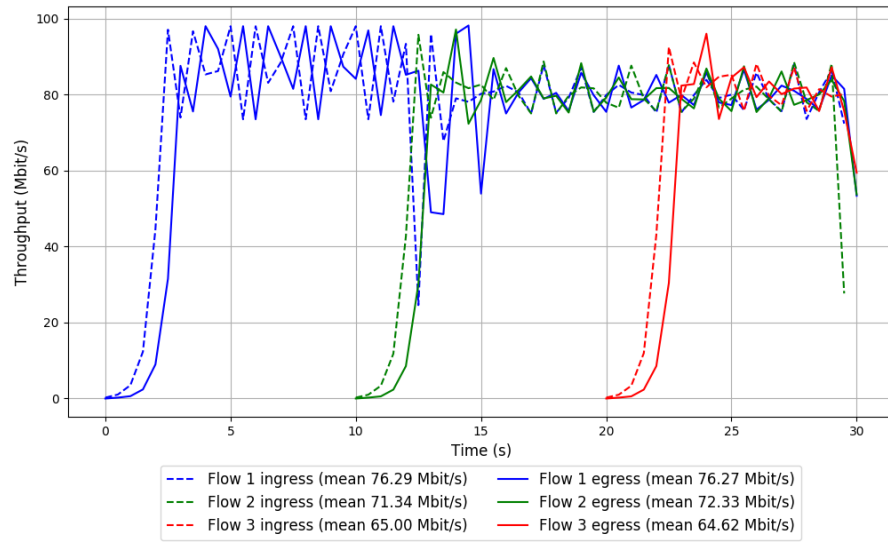


Run 4: Statistics of TCP BBR

Start at: 2018-07-26 06:16:57
End at: 2018-07-26 06:17:27
Local clock offset: -0.029 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-07-26 09:20:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.26 Mbit/s
95th percentile per-packet one-way delay: 136.725 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 76.27 Mbit/s
95th percentile per-packet one-way delay: 136.759 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 136.684 ms
Loss rate: 3.32%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-26 06:43:46

End at: 2018-07-26 06:44:16

Local clock offset: 0.0 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-26 09:20:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.98 Mbit/s

95th percentile per-packet one-way delay: 136.591 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 71.95 Mbit/s

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

Loss rate: 1.09%

-- Flow 2:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 136.647 ms

Loss rate: 1.60%

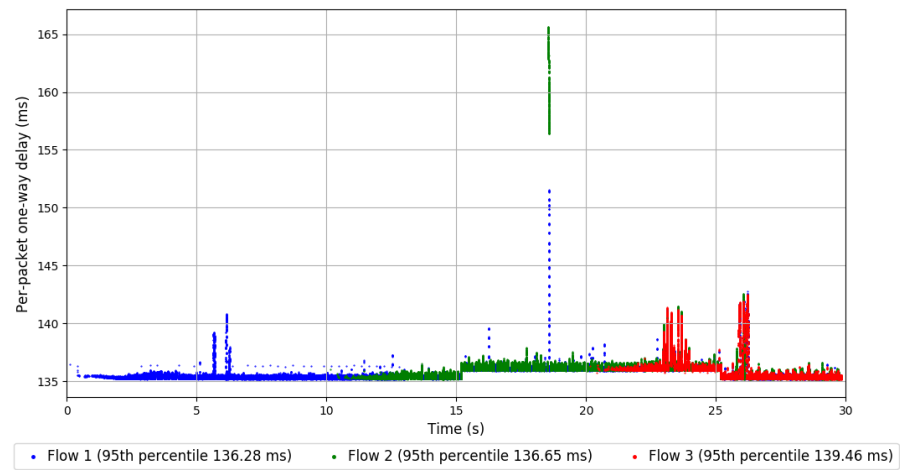
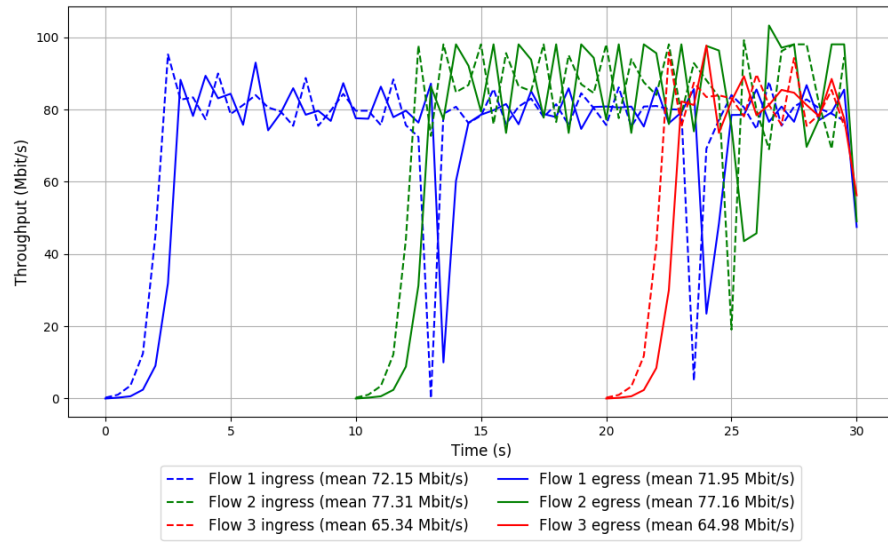
-- Flow 3:

Average throughput: 64.98 Mbit/s

95th percentile per-packet one-way delay: 139.463 ms

Loss rate: 3.27%

Run 5: Report of TCP BBR — Data Link

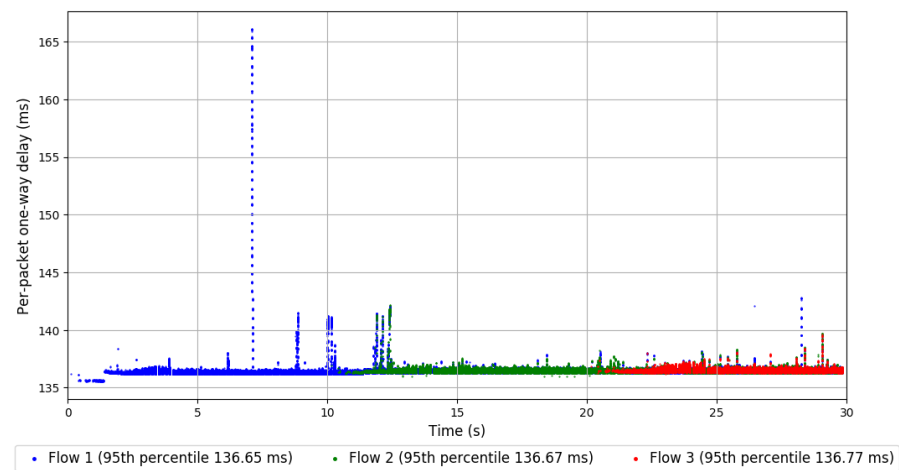
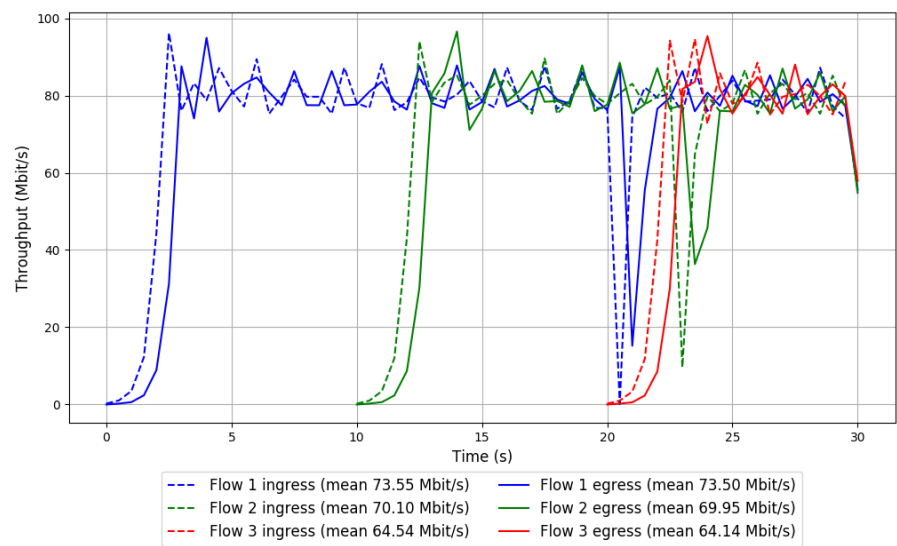


Run 6: Statistics of TCP BBR

Start at: 2018-07-26 07:10:00
End at: 2018-07-26 07:10:30
Local clock offset: 0.013 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-26 09:20:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.79 Mbit/s
95th percentile per-packet one-way delay: 136.680 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 73.50 Mbit/s
95th percentile per-packet one-way delay: 136.654 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 136.669 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 64.14 Mbit/s
95th percentile per-packet one-way delay: 136.766 ms
Loss rate: 3.34%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-26 07:36:29

End at: 2018-07-26 07:36:59

Local clock offset: -0.026 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-07-26 09:20:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.78 Mbit/s

95th percentile per-packet one-way delay: 136.205 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 73.37 Mbit/s

95th percentile per-packet one-way delay: 136.174 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 70.07 Mbit/s

95th percentile per-packet one-way delay: 136.268 ms

Loss rate: 1.67%

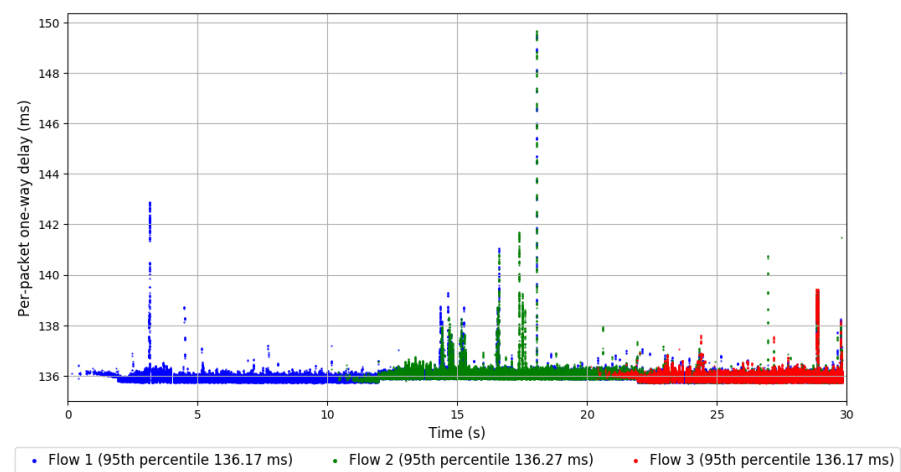
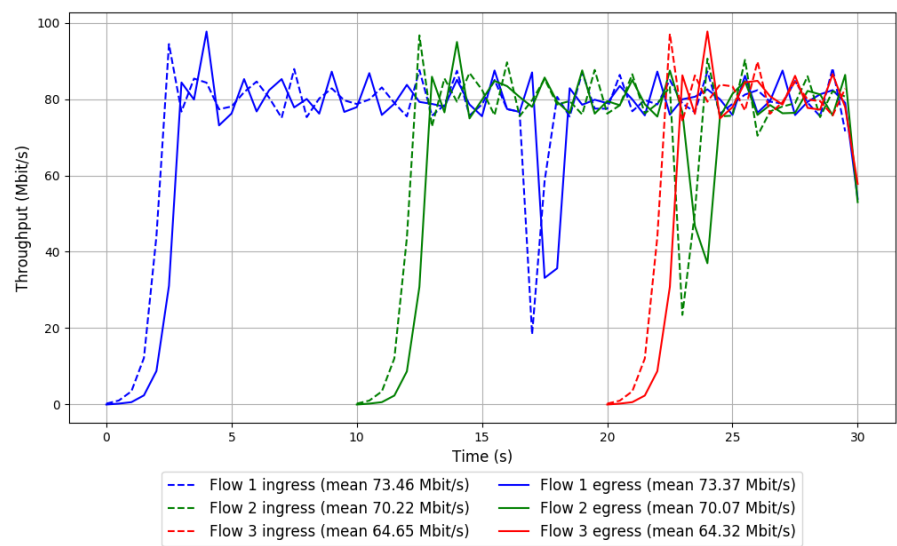
-- Flow 3:

Average throughput: 64.32 Mbit/s

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

Loss rate: 3.24%

Run 7: Report of TCP BBR — Data Link

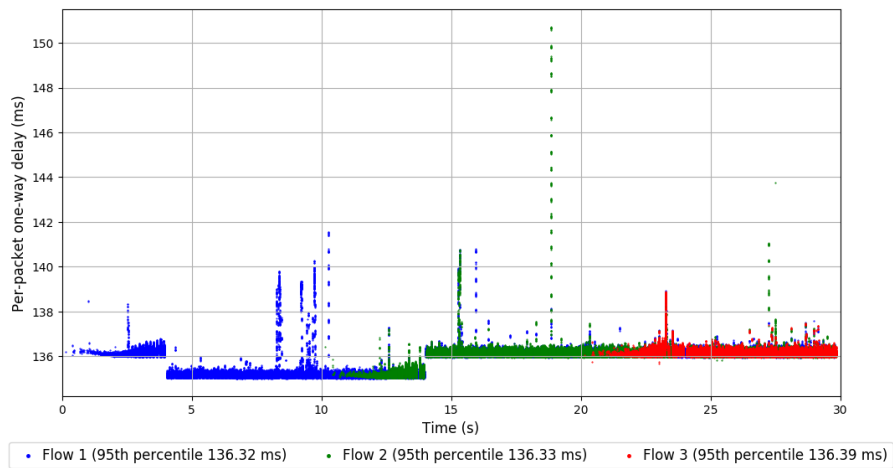
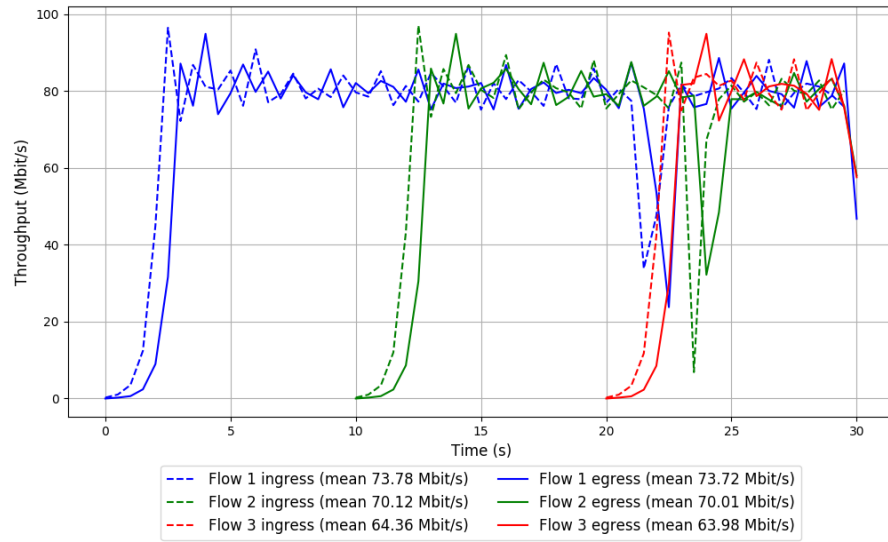


Run 8: Statistics of TCP BBR

Start at: 2018-07-26 08:03:27
End at: 2018-07-26 08:03:57
Local clock offset: -0.231 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-26 09:20:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.87 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 70.01 Mbit/s
95th percentile per-packet one-way delay: 136.329 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 136.394 ms
Loss rate: 3.34%

Run 8: Report of TCP BBR — Data Link

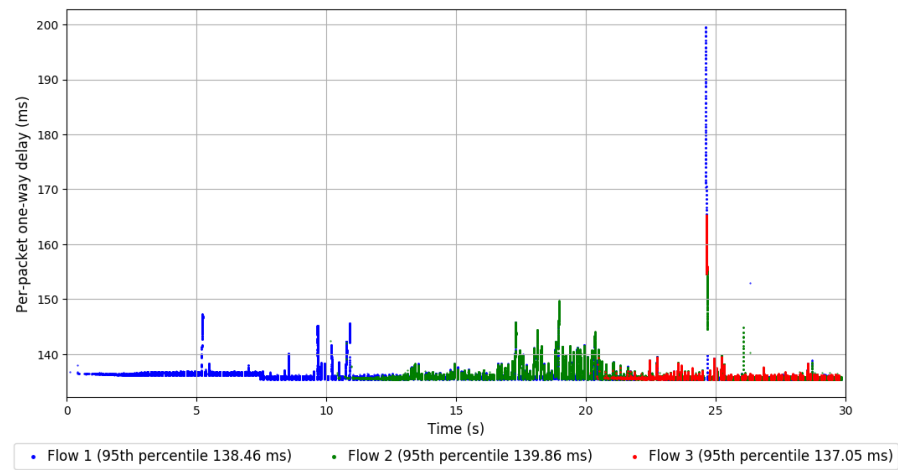
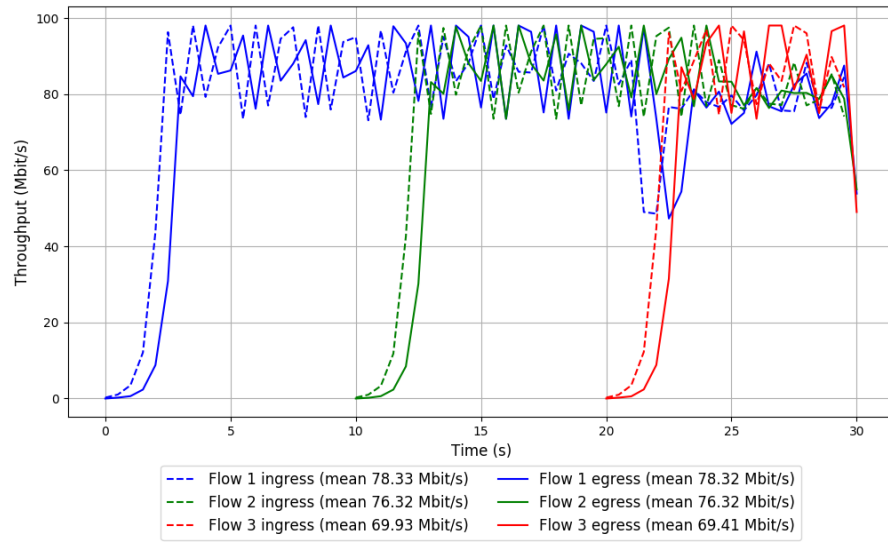


Run 9: Statistics of TCP BBR

Start at: 2018-07-26 08:30:04
End at: 2018-07-26 08:30:34
Local clock offset: -0.154 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-26 09:22:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.29 Mbit/s
95th percentile per-packet one-way delay: 138.920 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 138.455 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 139.862 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 137.051 ms
Loss rate: 3.55%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-26 08:56:18

End at: 2018-07-26 08:56:48

Local clock offset: -0.131 ms

Remote clock offset: 0.393 ms

Below is generated by plot.py at 2018-07-26 09:22:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 149.79 Mbit/s

95th percentile per-packet one-way delay: 136.500 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 78.14 Mbit/s

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

Loss rate: 1.01%

-- Flow 2:

Average throughput: 74.50 Mbit/s

95th percentile per-packet one-way delay: 136.513 ms

Loss rate: 1.43%

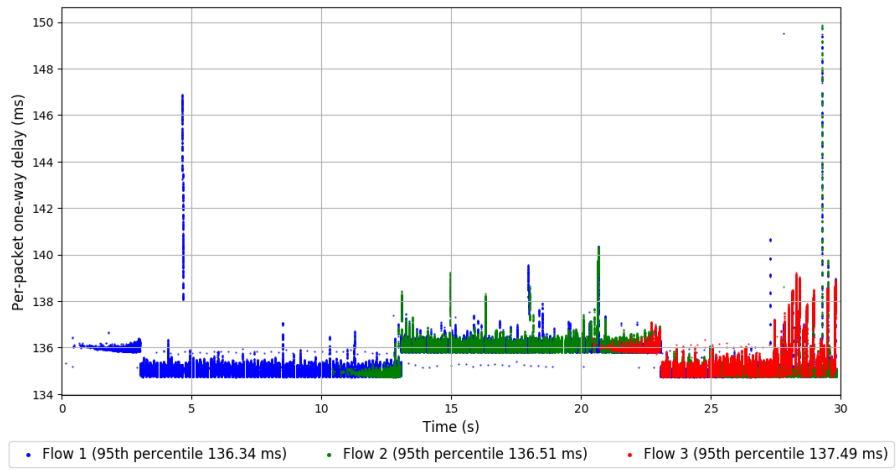
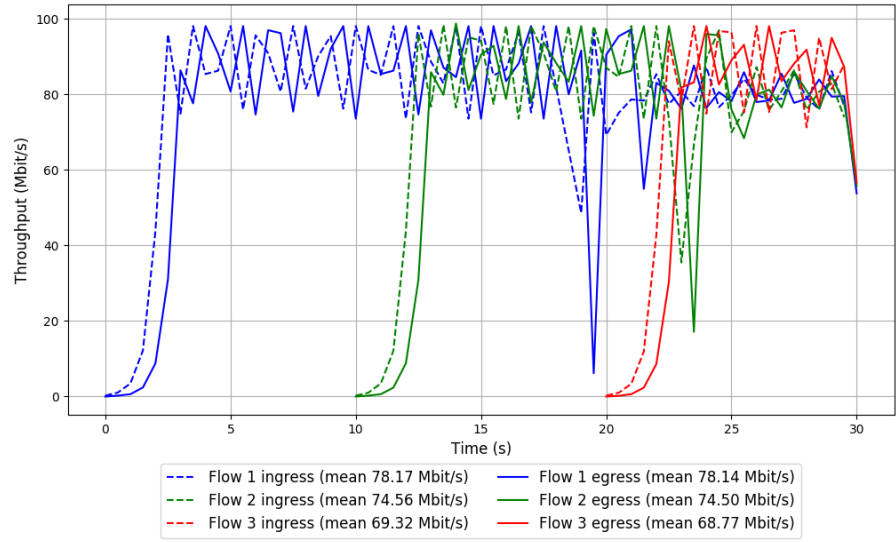
-- Flow 3:

Average throughput: 68.77 Mbit/s

95th percentile per-packet one-way delay: 137.494 ms

Loss rate: 3.57%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-26 04:44:27

End at: 2018-07-26 04:44:57

Local clock offset: -0.134 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-07-26 09:30:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 286.09 Mbit/s

95th percentile per-packet one-way delay: 178.757 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 106.70 Mbit/s

95th percentile per-packet one-way delay: 174.956 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 253.04 Mbit/s

95th percentile per-packet one-way delay: 186.830 ms

Loss rate: 1.77%

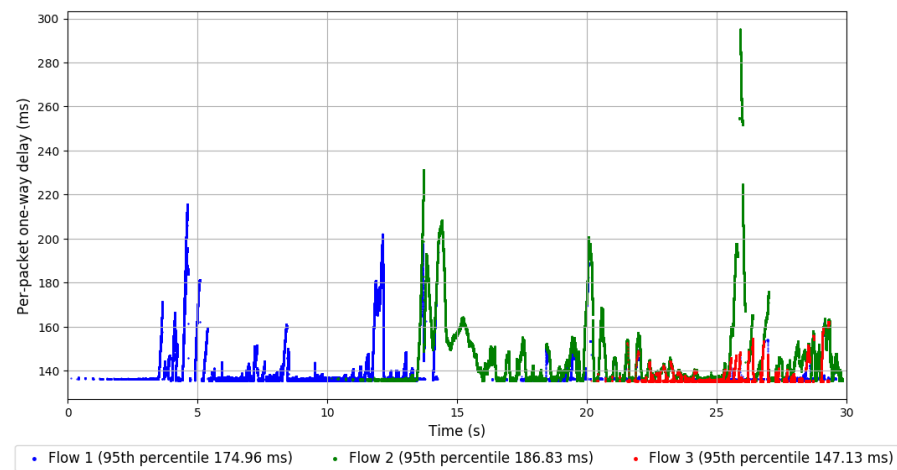
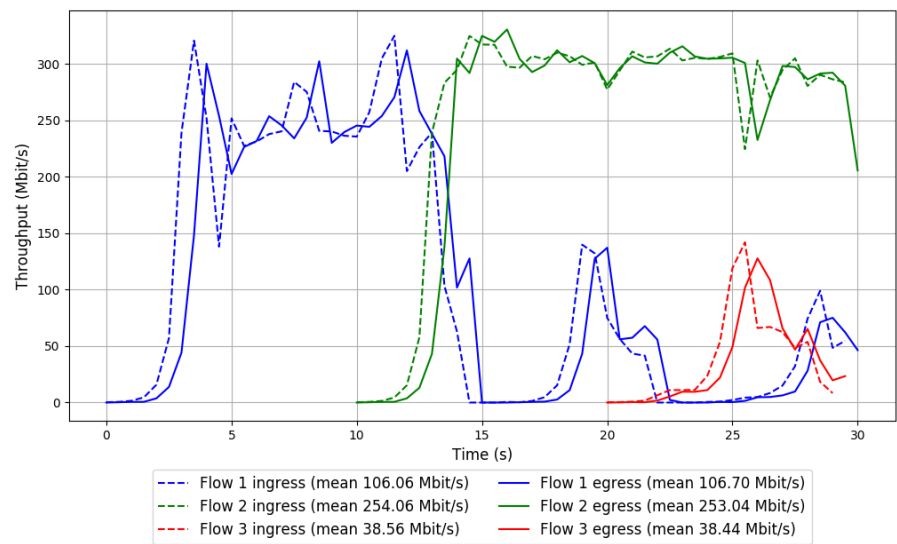
-- Flow 3:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 147.130 ms

Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-26 05:11:50

End at: 2018-07-26 05:12:20

Local clock offset: 0.119 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-26 09:30:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.82 Mbit/s

95th percentile per-packet one-way delay: 169.354 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 186.06 Mbit/s

95th percentile per-packet one-way delay: 170.225 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 66.80 Mbit/s

95th percentile per-packet one-way delay: 165.609 ms

Loss rate: 0.03%

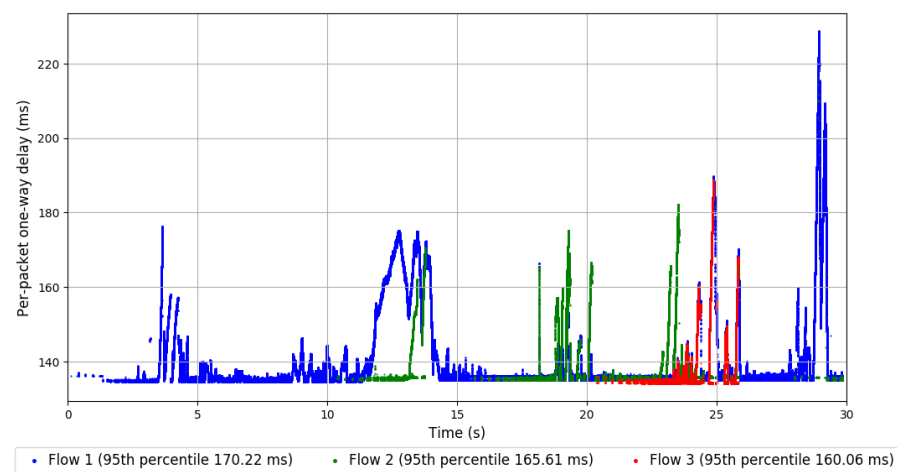
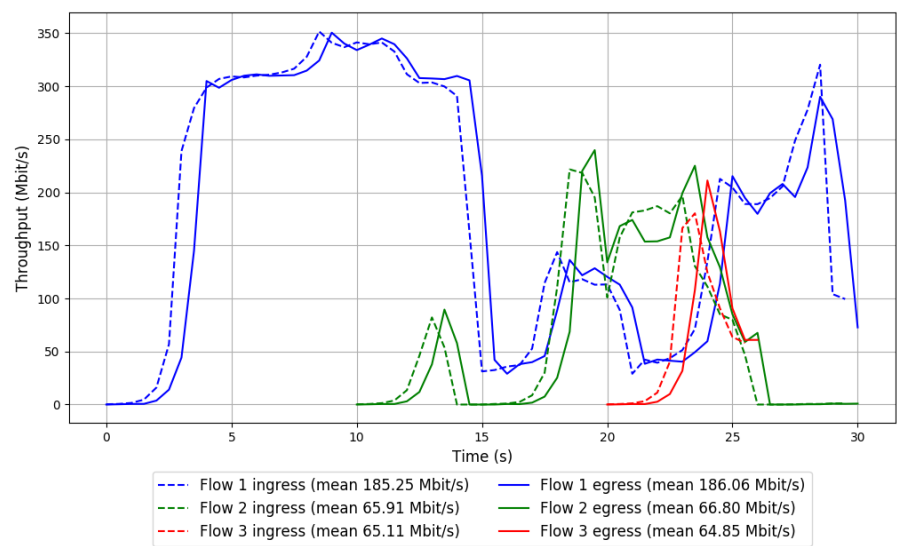
-- Flow 3:

Average throughput: 64.85 Mbit/s

95th percentile per-packet one-way delay: 160.060 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-26 05:39:07

End at: 2018-07-26 05:39:37

Local clock offset: 0.019 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-26 09:30:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.82 Mbit/s

95th percentile per-packet one-way delay: 173.459 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 115.16 Mbit/s

95th percentile per-packet one-way delay: 182.139 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 165.28 Mbit/s

95th percentile per-packet one-way delay: 172.714 ms

Loss rate: 1.23%

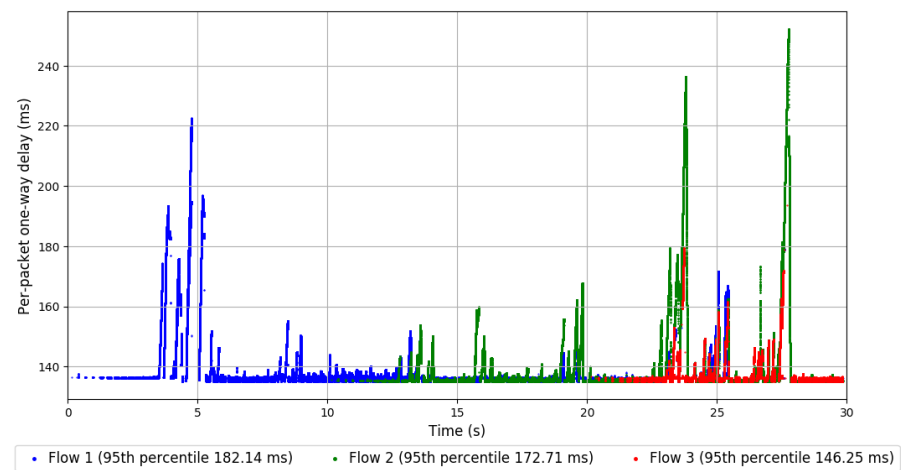
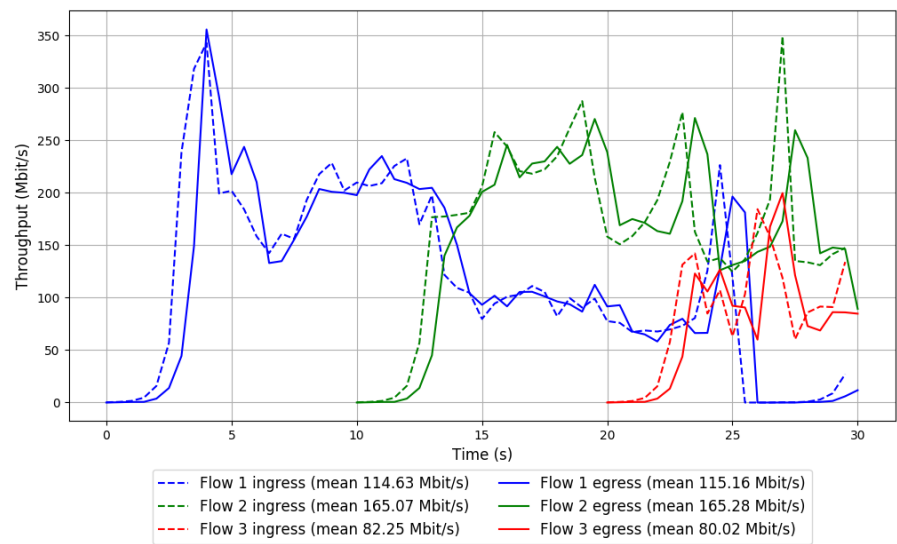
-- Flow 3:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 146.250 ms

Loss rate: 5.38%

Run 3: Report of Copa — Data Link

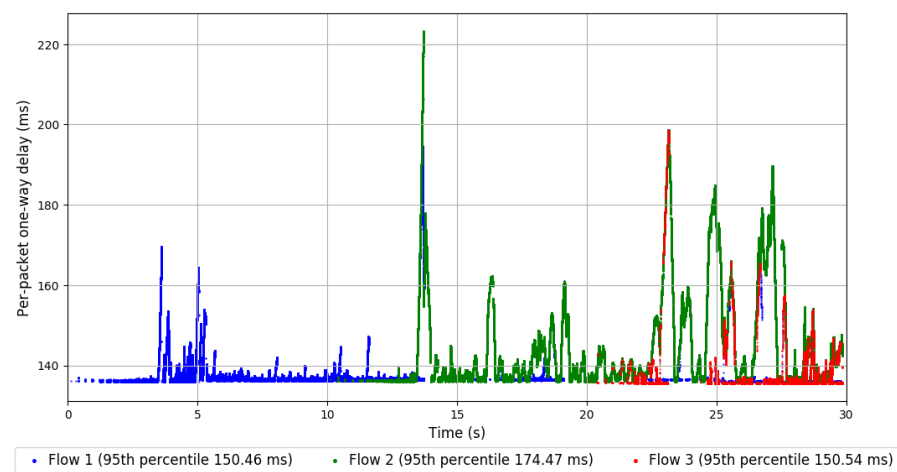
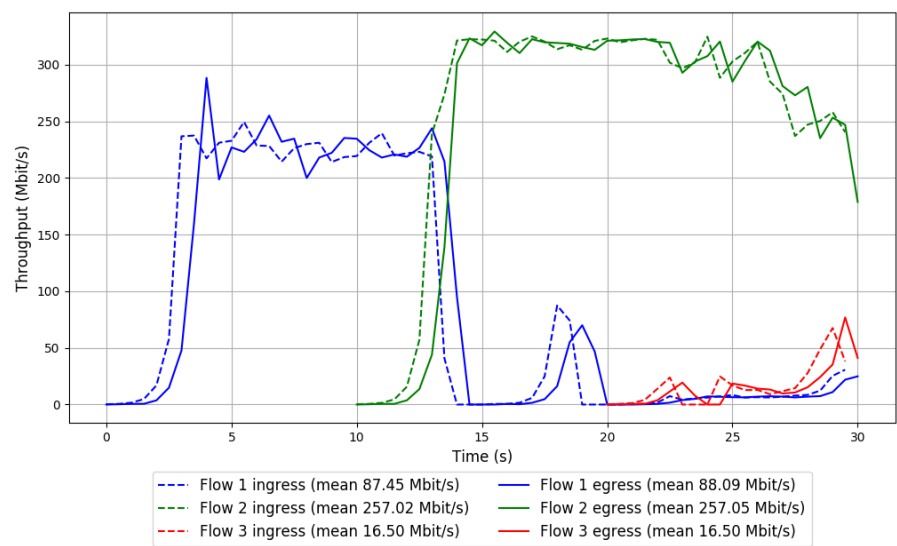


Run 4: Statistics of Copa

Start at: 2018-07-26 06:05:56
End at: 2018-07-26 06:06:26
Local clock offset: -0.03 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-07-26 09:30:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.79 Mbit/s
95th percentile per-packet one-way delay: 170.120 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 150.458 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 257.05 Mbit/s
95th percentile per-packet one-way delay: 174.472 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 16.50 Mbit/s
95th percentile per-packet one-way delay: 150.538 ms
Loss rate: 2.76%

Run 4: Report of Copa — Data Link

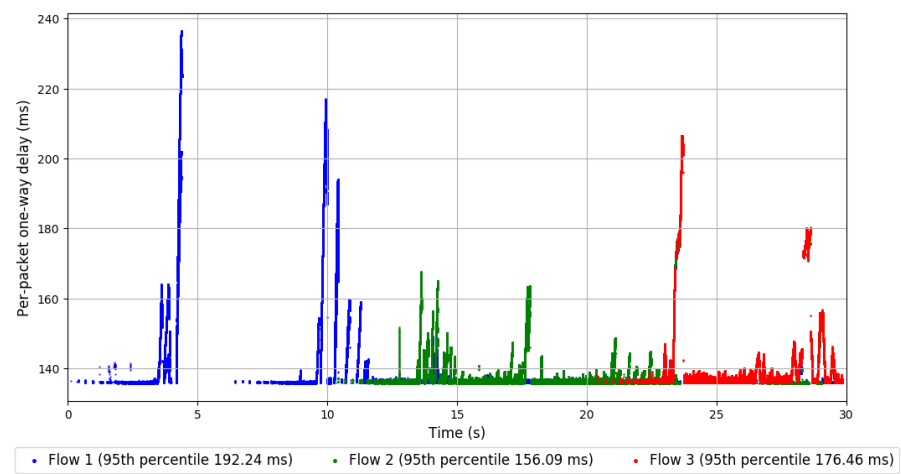
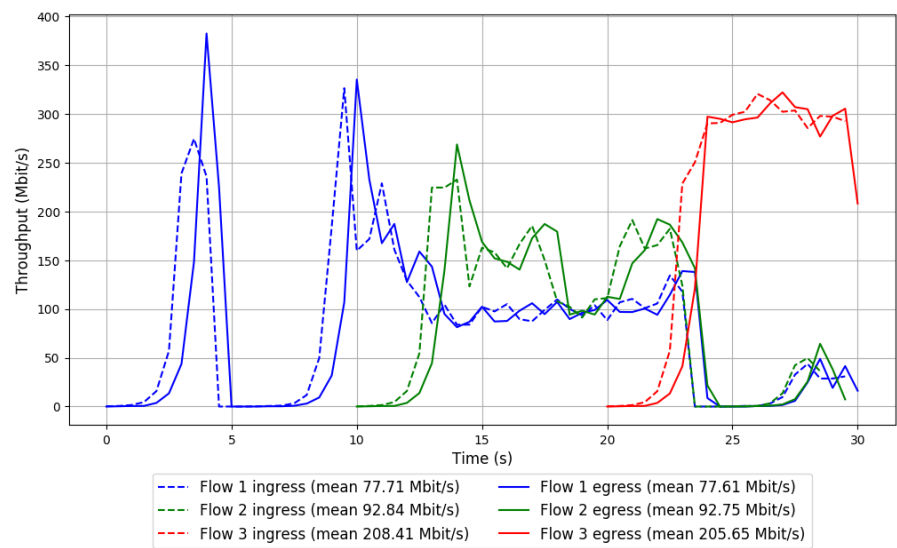


Run 5: Statistics of Copa

Start at: 2018-07-26 06:32:31
End at: 2018-07-26 06:33:01
Local clock offset: 0.218 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-07-26 09:30:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.73 Mbit/s
95th percentile per-packet one-way delay: 175.558 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 192.244 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 156.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 205.65 Mbit/s
95th percentile per-packet one-way delay: 176.458 ms
Loss rate: 4.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-26 06:59:08

End at: 2018-07-26 06:59:38

Local clock offset: 0.01 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-26 09:30:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.89 Mbit/s

95th percentile per-packet one-way delay: 159.369 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 140.07 Mbit/s

95th percentile per-packet one-way delay: 159.131 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 166.693 ms

Loss rate: 1.53%

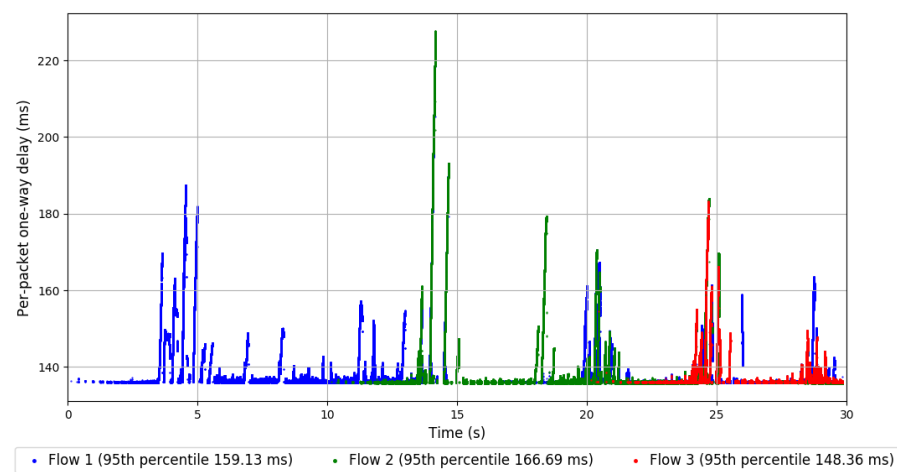
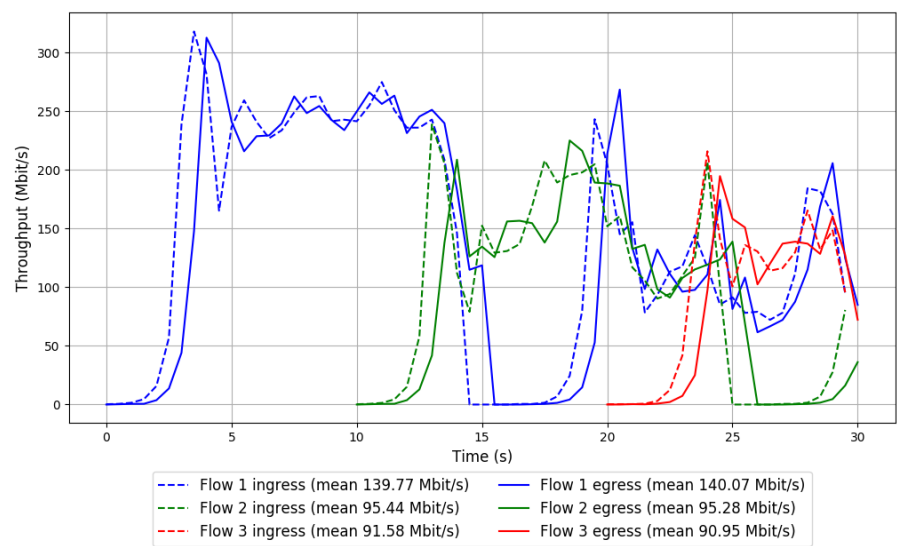
-- Flow 3:

Average throughput: 90.95 Mbit/s

95th percentile per-packet one-way delay: 148.356 ms

Loss rate: 3.42%

Run 6: Report of Copa — Data Link

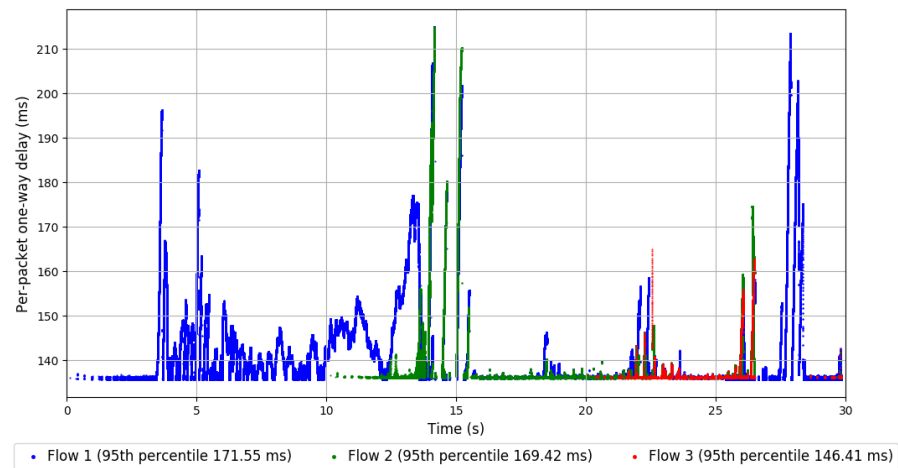
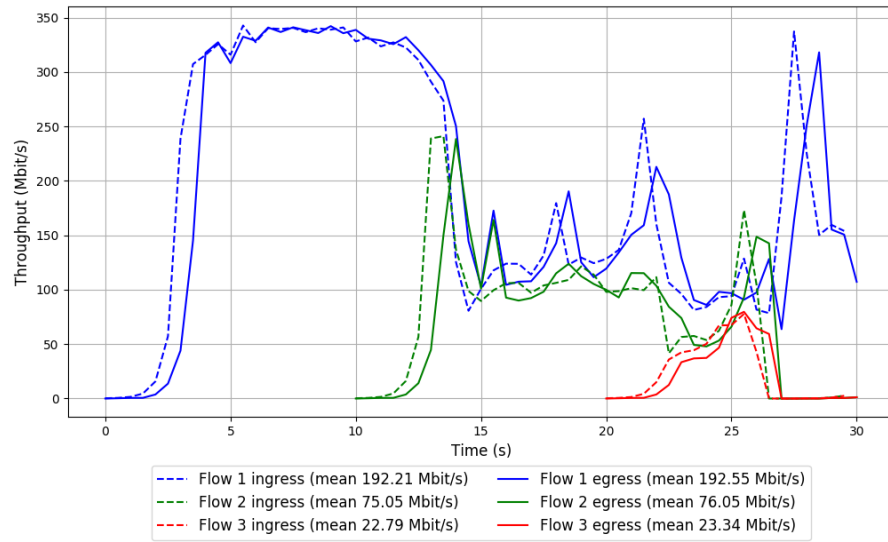


Run 7: Statistics of Copa

Start at: 2018-07-26 07:25:46
End at: 2018-07-26 07:26:16
Local clock offset: -0.259 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-26 09:32:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.58 Mbit/s
95th percentile per-packet one-way delay: 170.611 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 192.55 Mbit/s
95th percentile per-packet one-way delay: 171.550 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 76.05 Mbit/s
95th percentile per-packet one-way delay: 169.420 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 146.411 ms
Loss rate: 0.38%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-26 07:52:24

End at: 2018-07-26 07:52:54

Local clock offset: -0.059 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-07-26 09:32:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.43 Mbit/s

95th percentile per-packet one-way delay: 161.616 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 76.66 Mbit/s

95th percentile per-packet one-way delay: 154.020 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 234.96 Mbit/s

95th percentile per-packet one-way delay: 165.087 ms

Loss rate: 0.24%

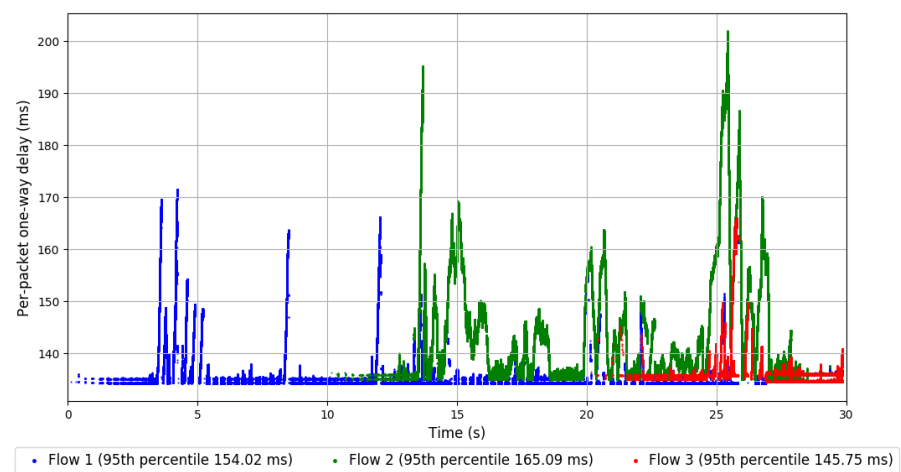
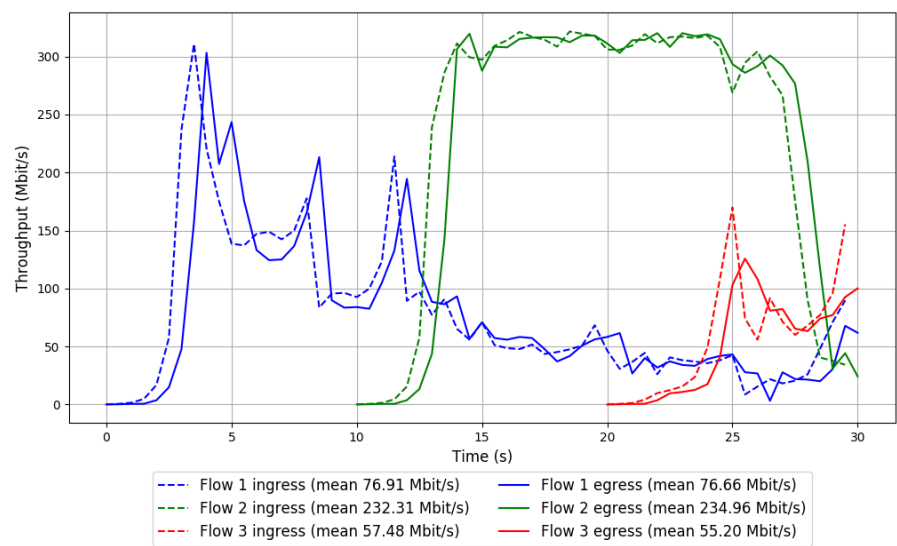
-- Flow 3:

Average throughput: 55.20 Mbit/s

95th percentile per-packet one-way delay: 145.754 ms

Loss rate: 6.59%

Run 8: Report of Copa — Data Link

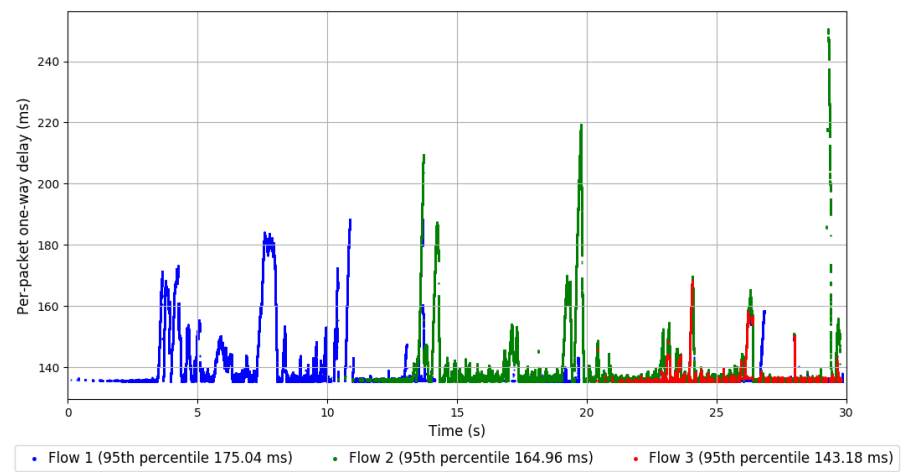
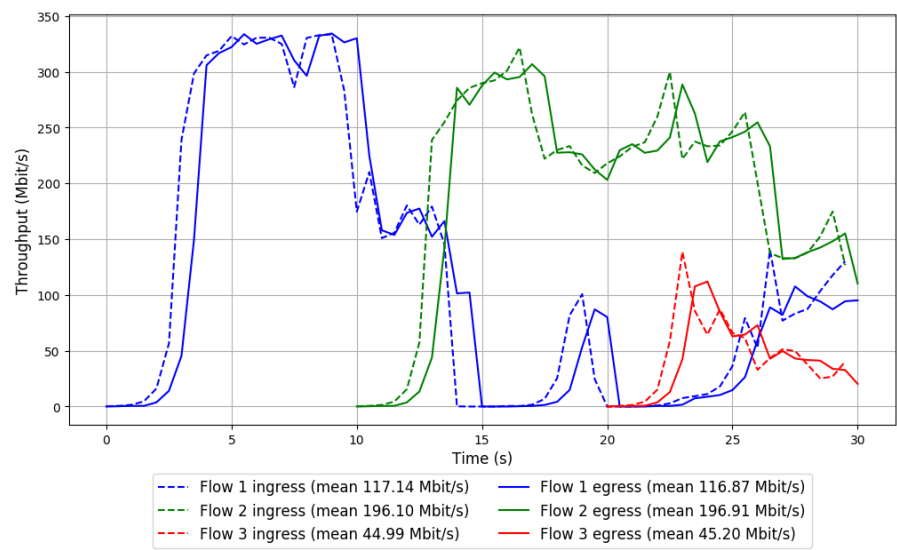


Run 9: Statistics of Copa

Start at: 2018-07-26 08:19:15
End at: 2018-07-26 08:19:45
Local clock offset: 0.047 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-26 09:38:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 261.93 Mbit/s
95th percentile per-packet one-way delay: 169.030 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 116.87 Mbit/s
95th percentile per-packet one-way delay: 175.041 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 196.91 Mbit/s
95th percentile per-packet one-way delay: 164.961 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 143.177 ms
Loss rate: 2.29%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-26 08:45:51

End at: 2018-07-26 08:46:21

Local clock offset: 0.013 ms

Remote clock offset: 0.383 ms

Below is generated by plot.py at 2018-07-26 09:38:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 202.46 Mbit/s

95th percentile per-packet one-way delay: 158.590 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 102.55 Mbit/s

95th percentile per-packet one-way delay: 145.527 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 138.24 Mbit/s

95th percentile per-packet one-way delay: 165.819 ms

Loss rate: 1.53%

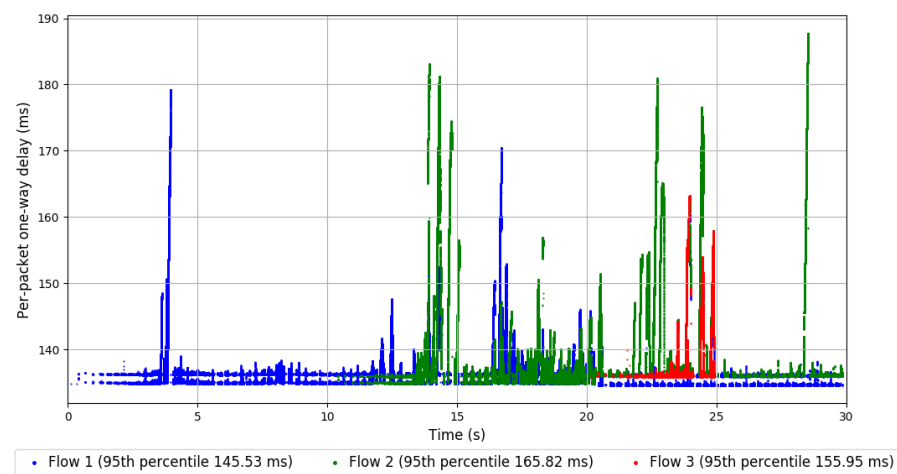
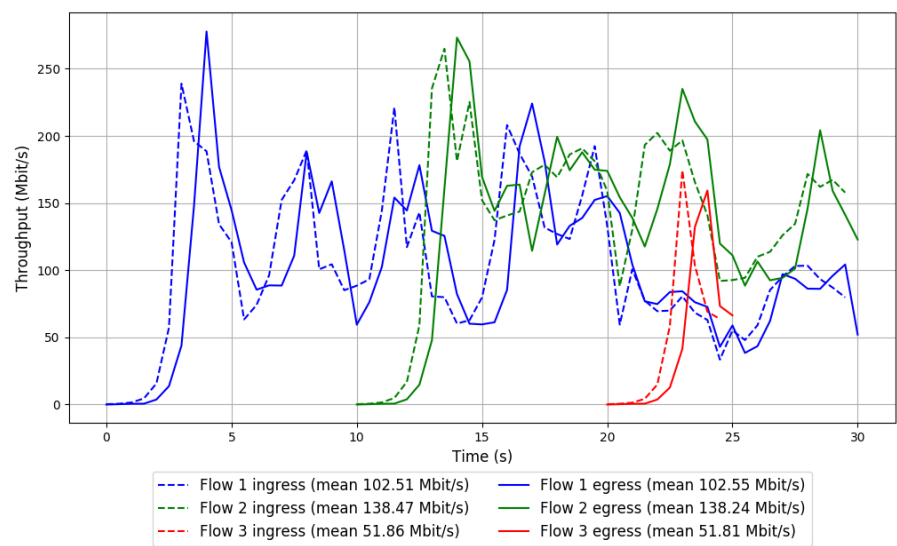
-- Flow 3:

Average throughput: 51.81 Mbit/s

95th percentile per-packet one-way delay: 155.954 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

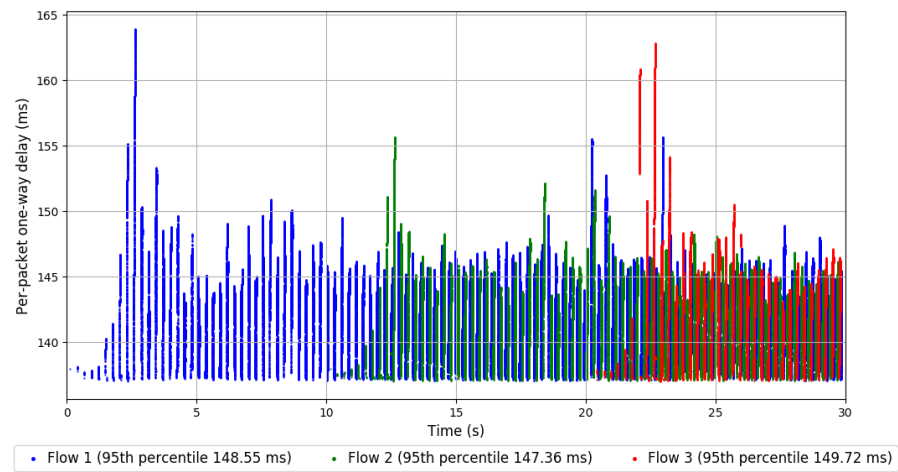
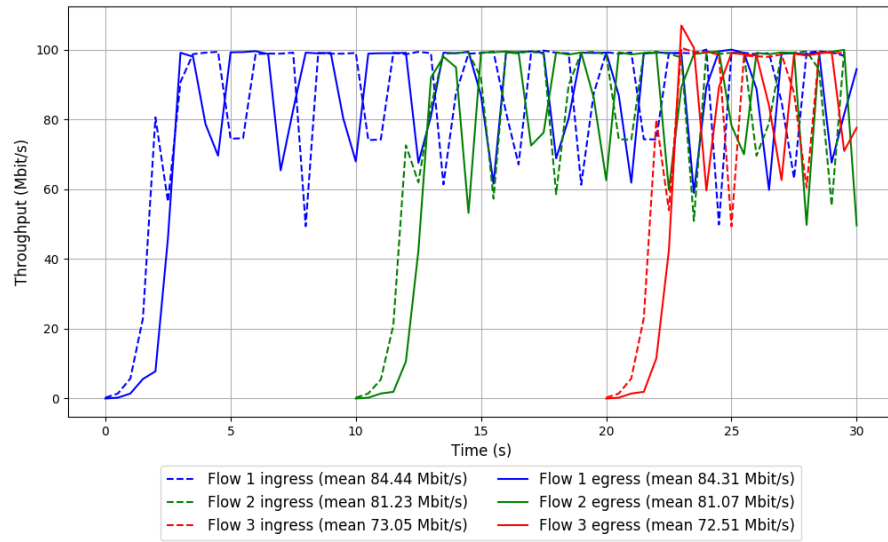


Run 1: Statistics of TCP Cubic

Start at: 2018-07-26 05:00:44
End at: 2018-07-26 05:01:14
Local clock offset: 1.85 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-26 09:38:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.23 Mbit/s
95th percentile per-packet one-way delay: 148.285 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 148.547 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 147.358 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 149.725 ms
Loss rate: 3.41%

Run 1: Report of TCP Cubic — Data Link

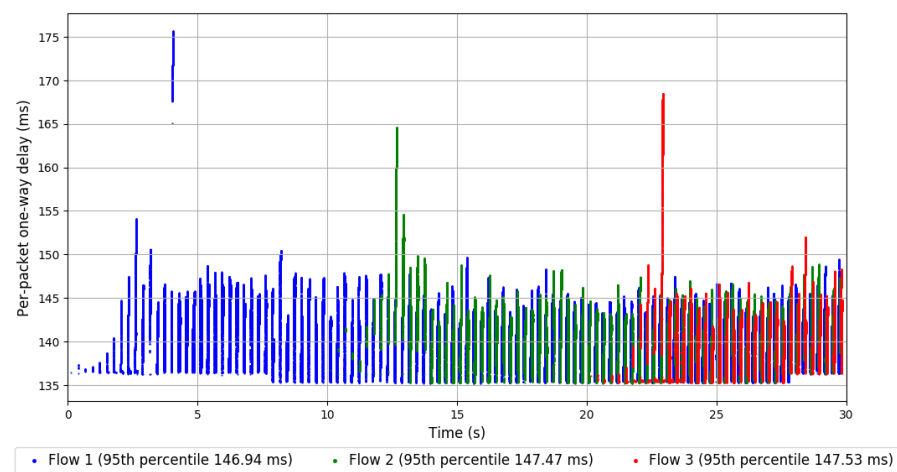
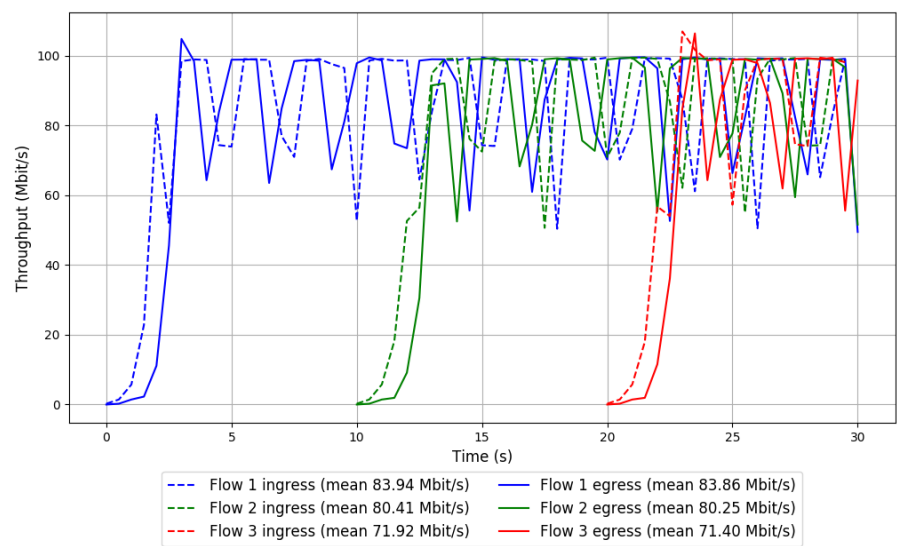


Run 2: Statistics of TCP Cubic

Start at: 2018-07-26 05:28:03
End at: 2018-07-26 05:28:33
Local clock offset: 0.093 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-26 09:38:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.94 Mbit/s
95th percentile per-packet one-way delay: 147.110 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 146.943 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 80.25 Mbit/s
95th percentile per-packet one-way delay: 147.469 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 147.535 ms
Loss rate: 3.40%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-26 05:55:03

End at: 2018-07-26 05:55:33

Local clock offset: 0.041 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2018-07-26 09:38:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.77 Mbit/s

95th percentile per-packet one-way delay: 151.106 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 83.49 Mbit/s

95th percentile per-packet one-way delay: 148.702 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 79.65 Mbit/s

95th percentile per-packet one-way delay: 153.003 ms

Loss rate: 1.66%

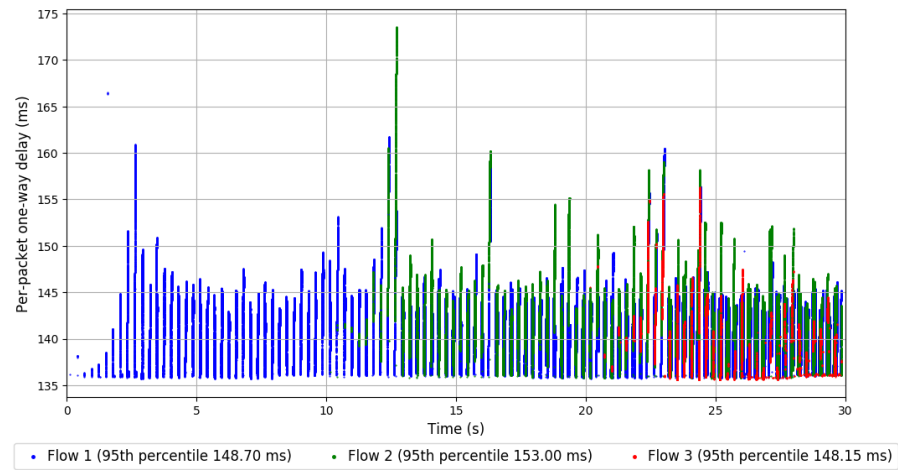
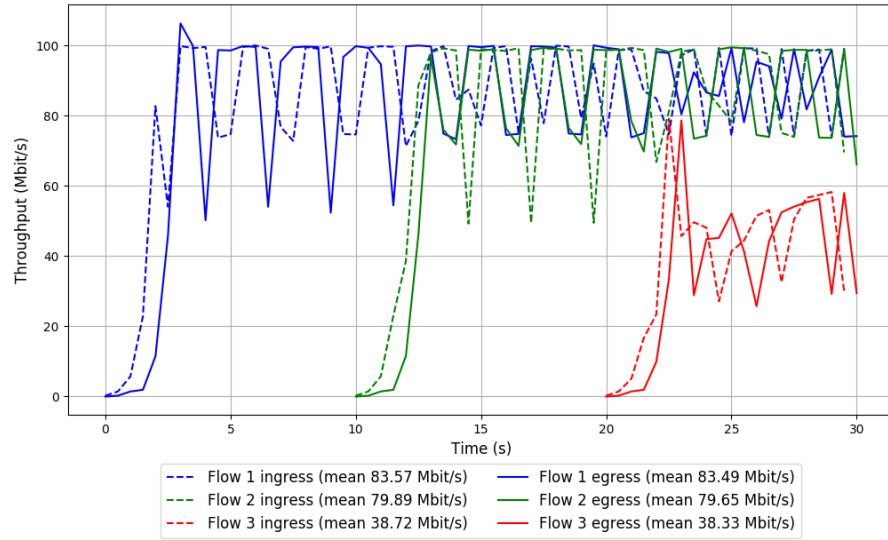
-- Flow 3:

Average throughput: 38.33 Mbit/s

95th percentile per-packet one-way delay: 148.150 ms

Loss rate: 3.80%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-26 06:21:46

End at: 2018-07-26 06:22:16

Local clock offset: 0.028 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-07-26 09:38:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 160.87 Mbit/s

95th percentile per-packet one-way delay: 145.946 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 84.14 Mbit/s

95th percentile per-packet one-way delay: 145.364 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 81.36 Mbit/s

95th percentile per-packet one-way delay: 146.569 ms

Loss rate: 1.53%

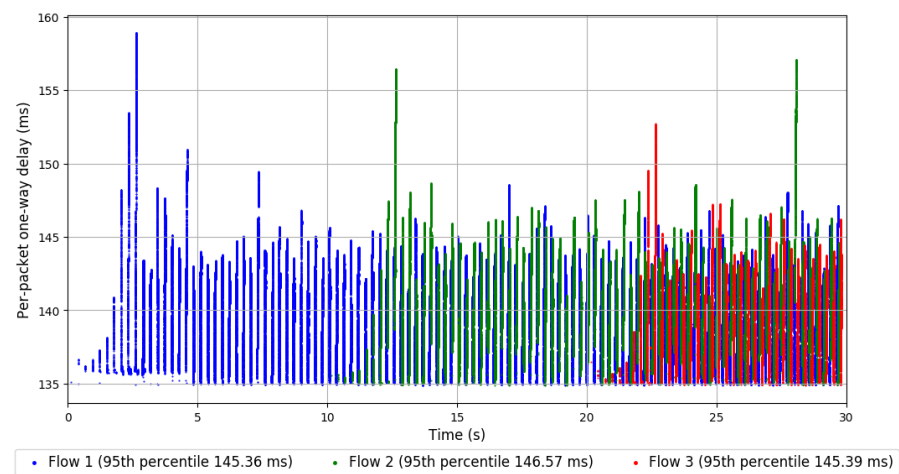
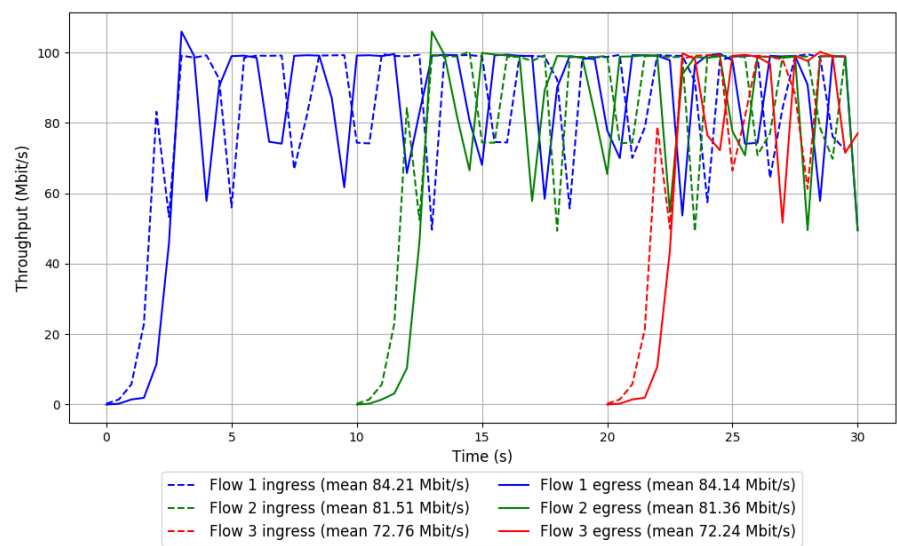
-- Flow 3:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 145.394 ms

Loss rate: 3.41%

Run 4: Report of TCP Cubic — Data Link

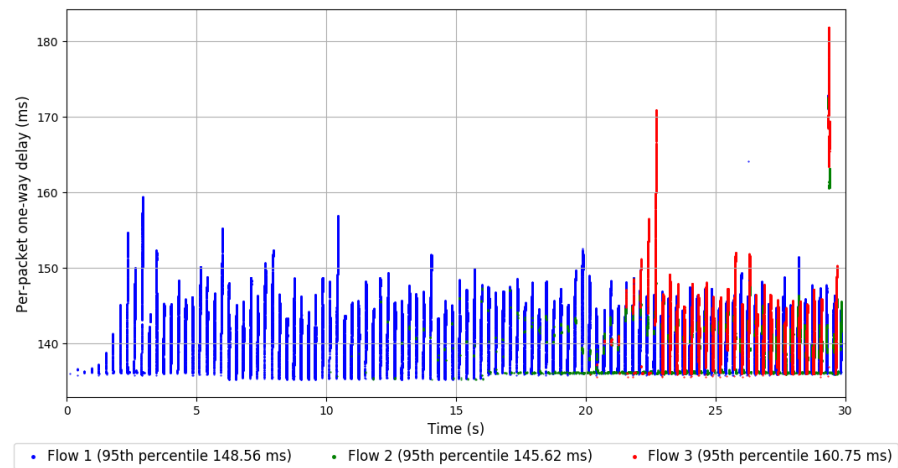
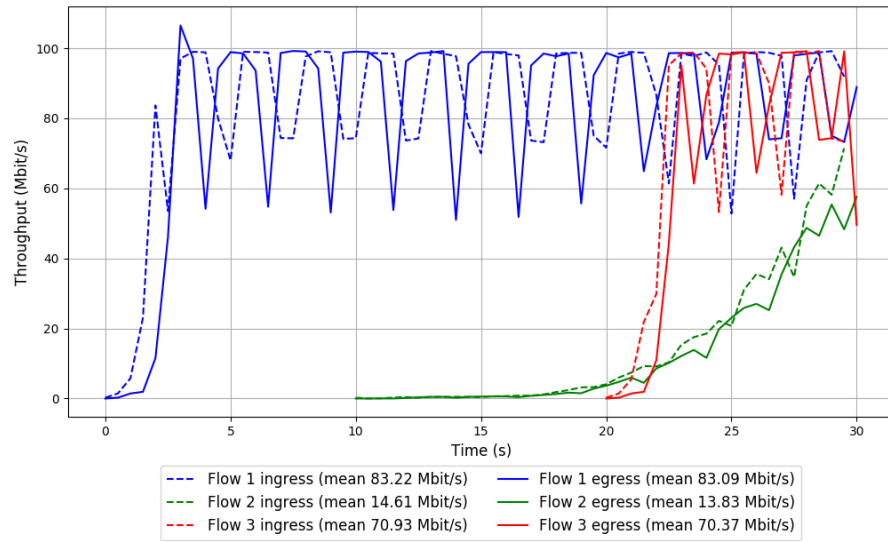


Run 5: Statistics of TCP Cubic

Start at: 2018-07-26 06:48:35
End at: 2018-07-26 06:49:05
Local clock offset: -0.078 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-26 09:38:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.79 Mbit/s
95th percentile per-packet one-way delay: 149.517 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 148.557 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 13.83 Mbit/s
95th percentile per-packet one-way delay: 145.618 ms
Loss rate: 6.63%
-- Flow 3:
Average throughput: 70.37 Mbit/s
95th percentile per-packet one-way delay: 160.755 ms
Loss rate: 3.50%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-26 07:14:50

End at: 2018-07-26 07:15:20

Local clock offset: -0.202 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-26 09:38:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.66 Mbit/s

95th percentile per-packet one-way delay: 147.339 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 72.16 Mbit/s

95th percentile per-packet one-way delay: 147.663 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 17.00 Mbit/s

95th percentile per-packet one-way delay: 138.407 ms

Loss rate: 6.08%

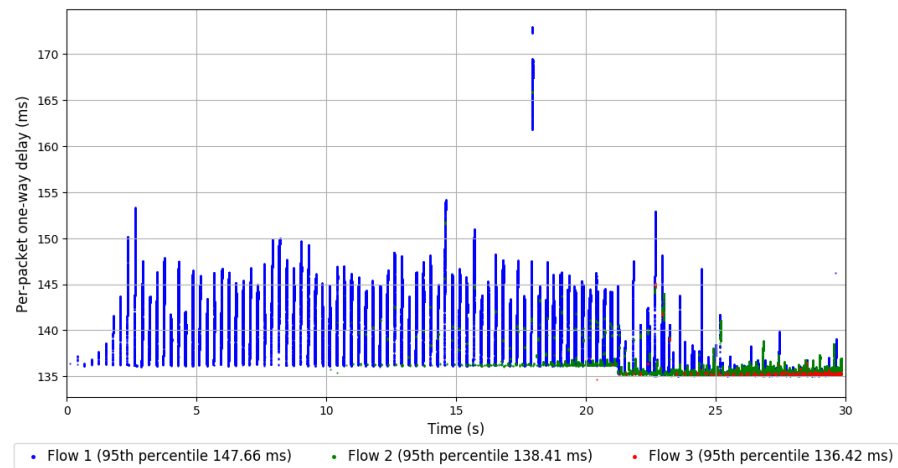
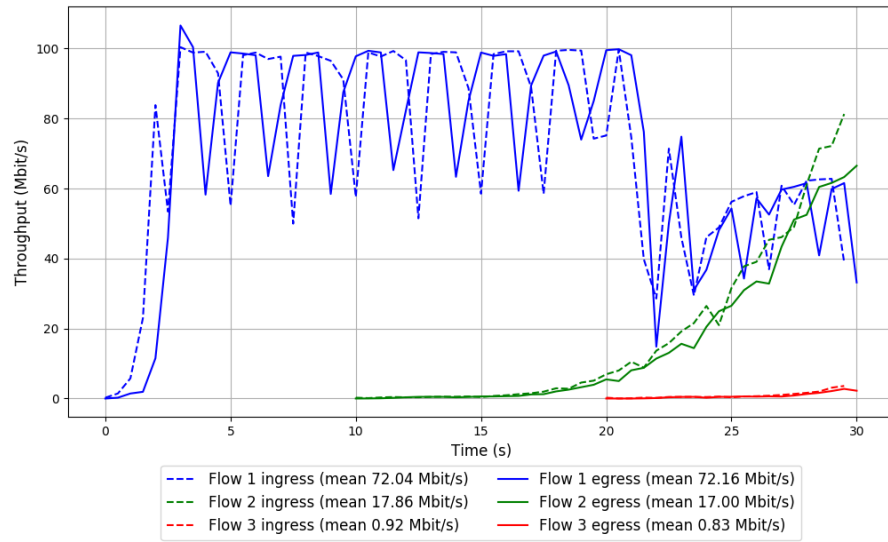
-- Flow 3:

Average throughput: 0.83 Mbit/s

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

Loss rate: 12.71%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-26 07:41:20

End at: 2018-07-26 07:41:50

Local clock offset: -0.153 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2018-07-26 09:38:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.31 Mbit/s

95th percentile per-packet one-way delay: 149.335 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 149.554 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 80.17 Mbit/s

95th percentile per-packet one-way delay: 149.328 ms

Loss rate: 1.55%

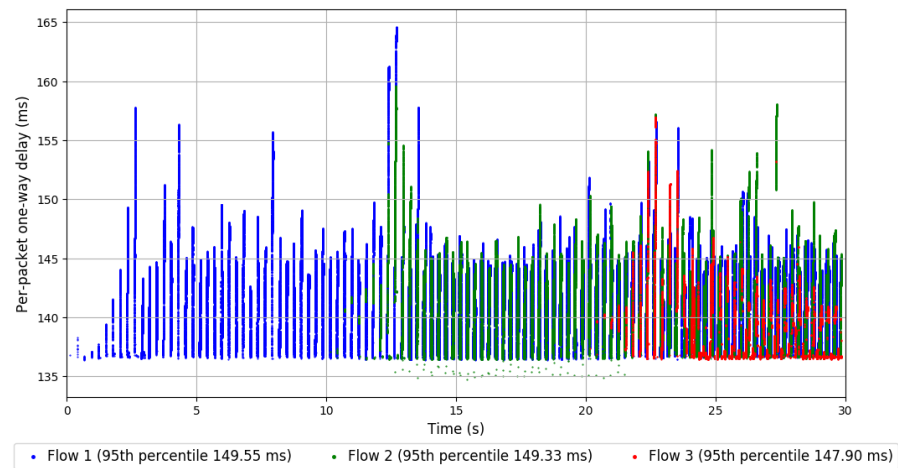
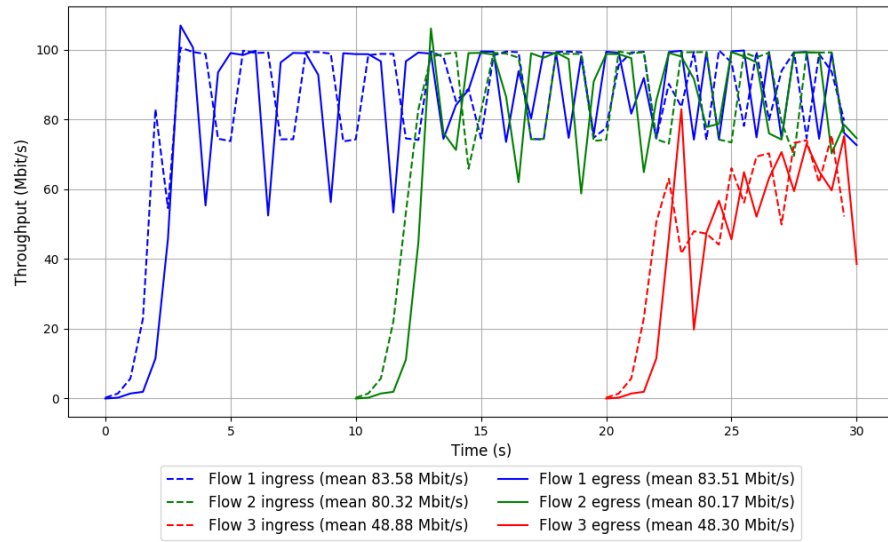
-- Flow 3:

Average throughput: 48.30 Mbit/s

95th percentile per-packet one-way delay: 147.901 ms

Loss rate: 3.90%

Run 7: Report of TCP Cubic — Data Link

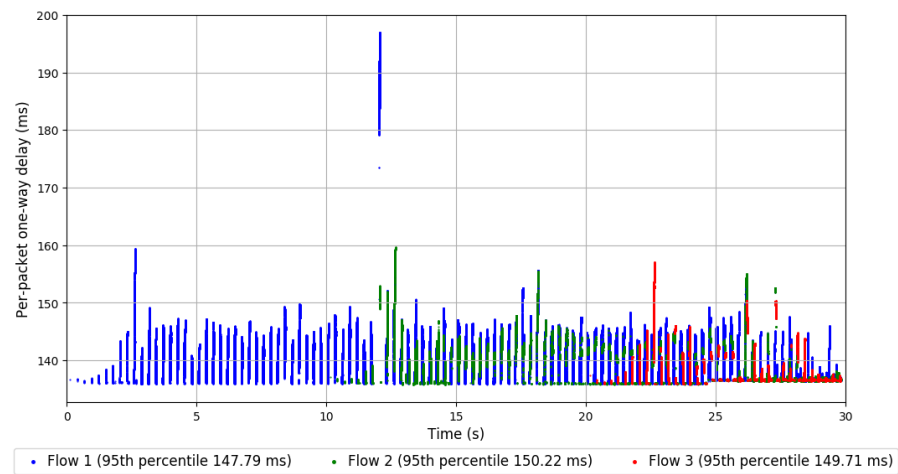
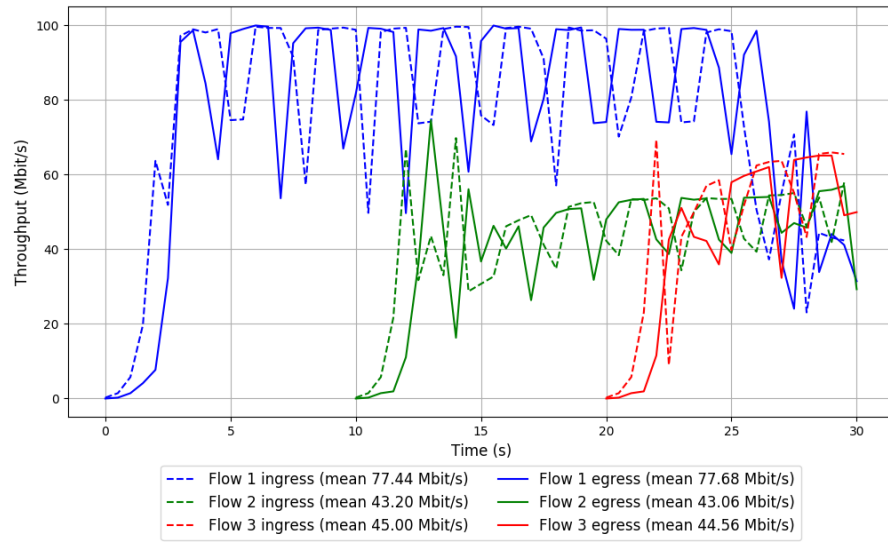


Run 8: Statistics of TCP Cubic

Start at: 2018-07-26 08:08:17
End at: 2018-07-26 08:08:47
Local clock offset: 0.106 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-07-26 09:38:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.73 Mbit/s
95th percentile per-packet one-way delay: 148.464 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 147.788 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 150.219 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 149.710 ms
Loss rate: 3.71%

Run 8: Report of TCP Cubic — Data Link

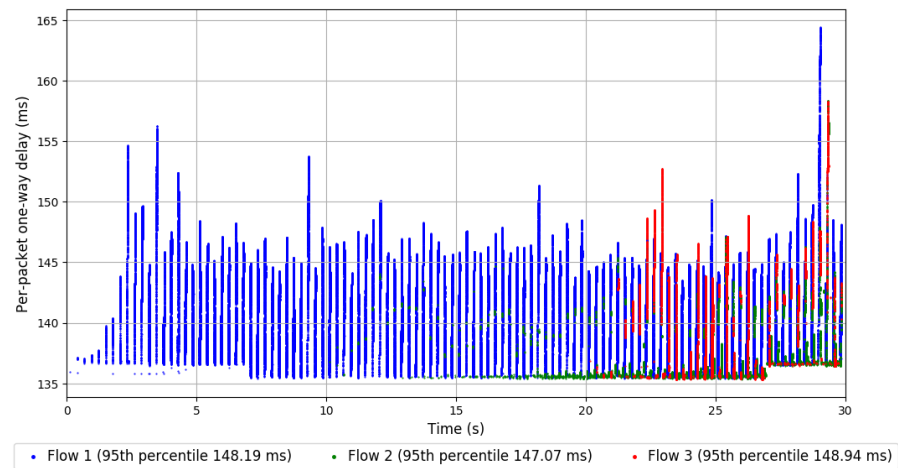
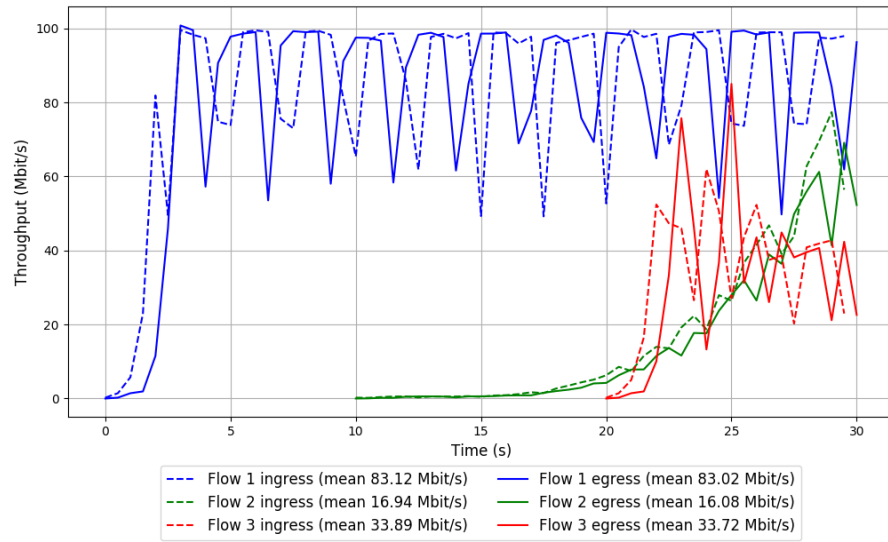


Run 9: Statistics of TCP Cubic

Start at: 2018-07-26 08:34:54
End at: 2018-07-26 08:35:24
Local clock offset: 0.119 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-26 09:38:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.70 Mbit/s
95th percentile per-packet one-way delay: 148.235 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 83.02 Mbit/s
95th percentile per-packet one-way delay: 148.190 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 147.072 ms
Loss rate: 6.35%
-- Flow 3:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 148.943 ms
Loss rate: 3.21%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-26 09:01:10

End at: 2018-07-26 09:01:40

Local clock offset: -0.059 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-07-26 09:38:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.66 Mbit/s

95th percentile per-packet one-way delay: 146.215 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 146.570 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 42.44 Mbit/s

95th percentile per-packet one-way delay: 144.831 ms

Loss rate: 1.67%

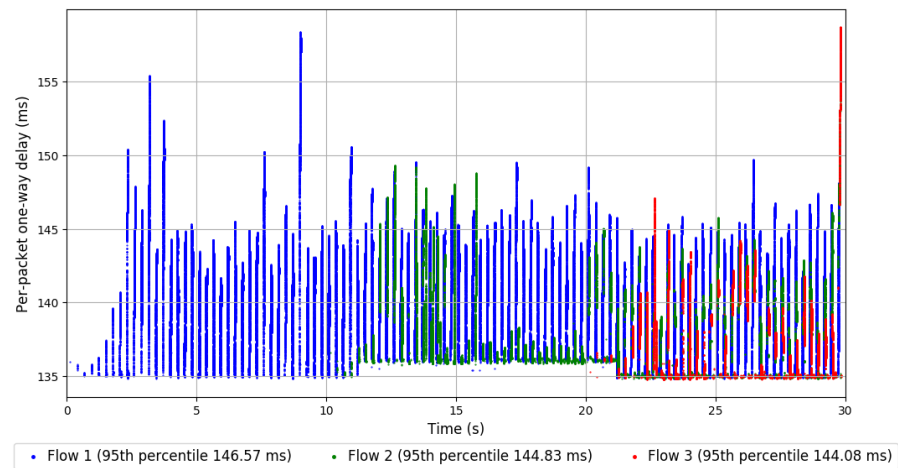
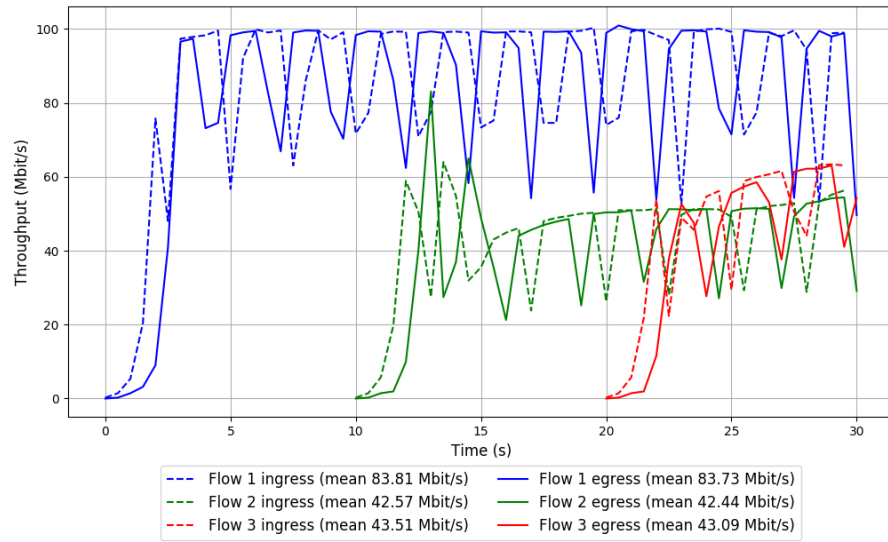
-- Flow 3:

Average throughput: 43.09 Mbit/s

95th percentile per-packet one-way delay: 144.078 ms

Loss rate: 3.67%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-26 04:37:53

End at: 2018-07-26 04:38:23

Local clock offset: -0.033 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2018-07-26 10:07:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 1283.86 Mbit/s

95th percentile per-packet one-way delay: 217.474 ms

Loss rate: 4.85%

-- Flow 1:

Average throughput: 673.05 Mbit/s

95th percentile per-packet one-way delay: 222.777 ms

Loss rate: 4.66%

-- Flow 2:

Average throughput: 670.32 Mbit/s

95th percentile per-packet one-way delay: 206.616 ms

Loss rate: 4.78%

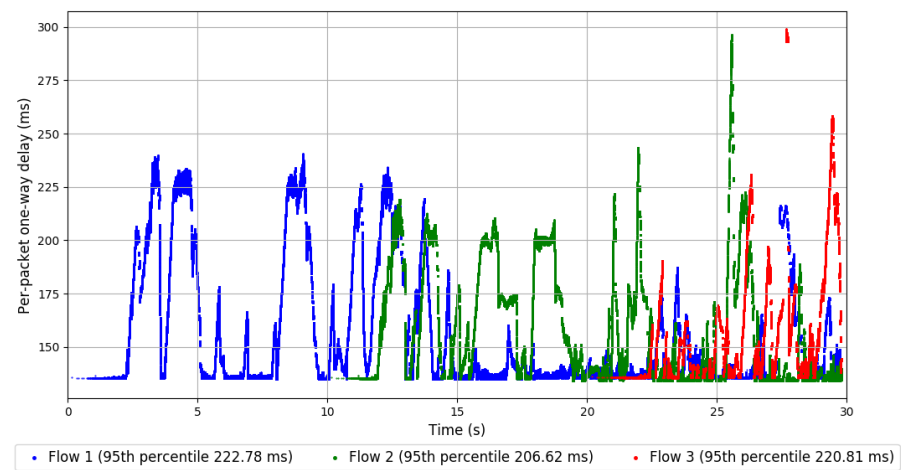
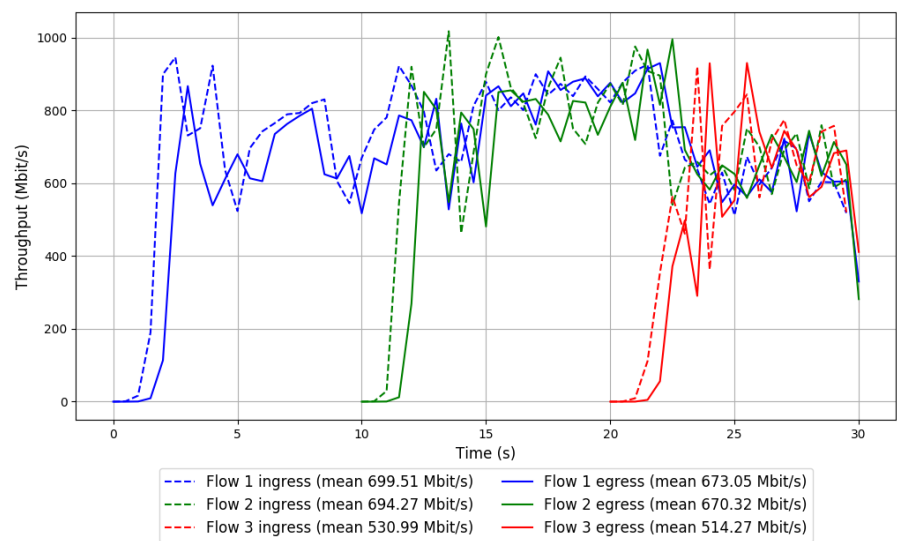
-- Flow 3:

Average throughput: 514.27 Mbit/s

95th percentile per-packet one-way delay: 220.811 ms

Loss rate: 5.80%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-26 05:05:01

End at: 2018-07-26 05:05:31

Local clock offset: 1.765 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-07-26 10:07:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 1219.82 Mbit/s

95th percentile per-packet one-way delay: 292.772 ms

Loss rate: 5.69%

-- Flow 1:

Average throughput: 626.47 Mbit/s

95th percentile per-packet one-way delay: 267.145 ms

Loss rate: 7.31%

-- Flow 2:

Average throughput: 631.70 Mbit/s

95th percentile per-packet one-way delay: 330.572 ms

Loss rate: 4.06%

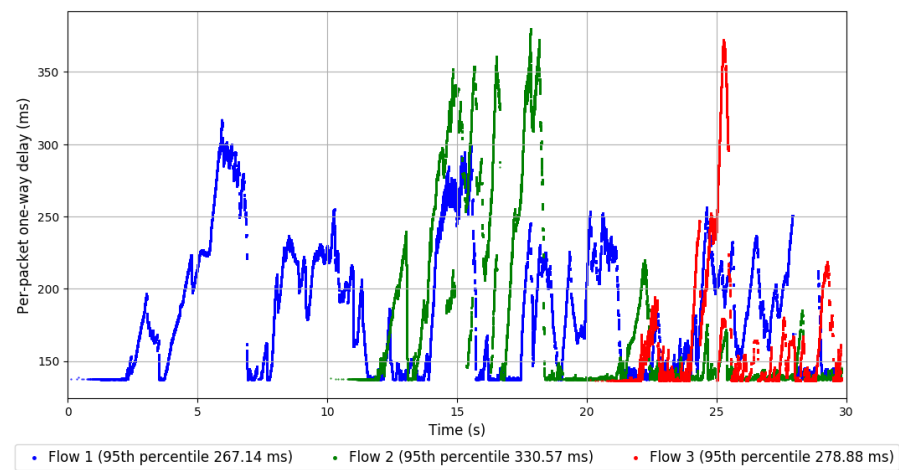
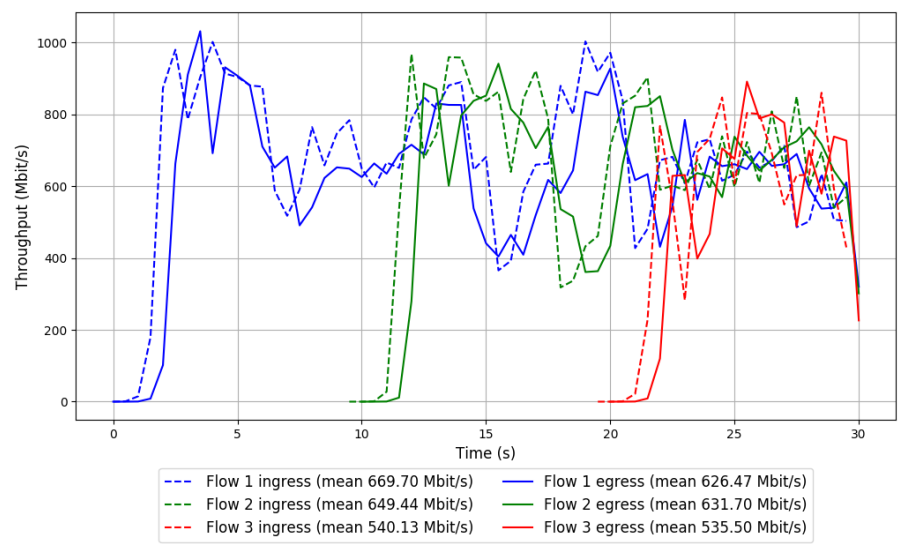
-- Flow 3:

Average throughput: 535.50 Mbit/s

95th percentile per-packet one-way delay: 278.885 ms

Loss rate: 3.57%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-26 05:32:21

End at: 2018-07-26 05:32:51

Local clock offset: 0.172 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-26 10:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1292.84 Mbit/s

95th percentile per-packet one-way delay: 226.723 ms

Loss rate: 4.22%

-- Flow 1:

Average throughput: 714.32 Mbit/s

95th percentile per-packet one-way delay: 219.002 ms

Loss rate: 4.17%

-- Flow 2:

Average throughput: 628.62 Mbit/s

95th percentile per-packet one-way delay: 239.556 ms

Loss rate: 4.64%

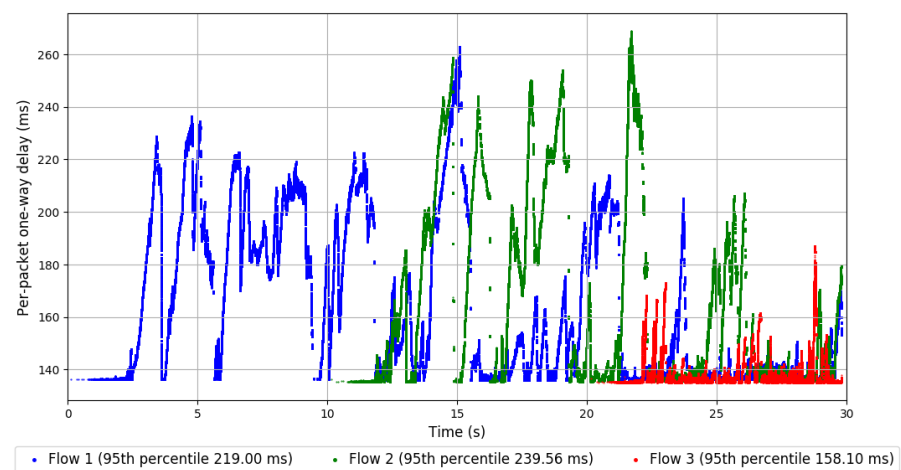
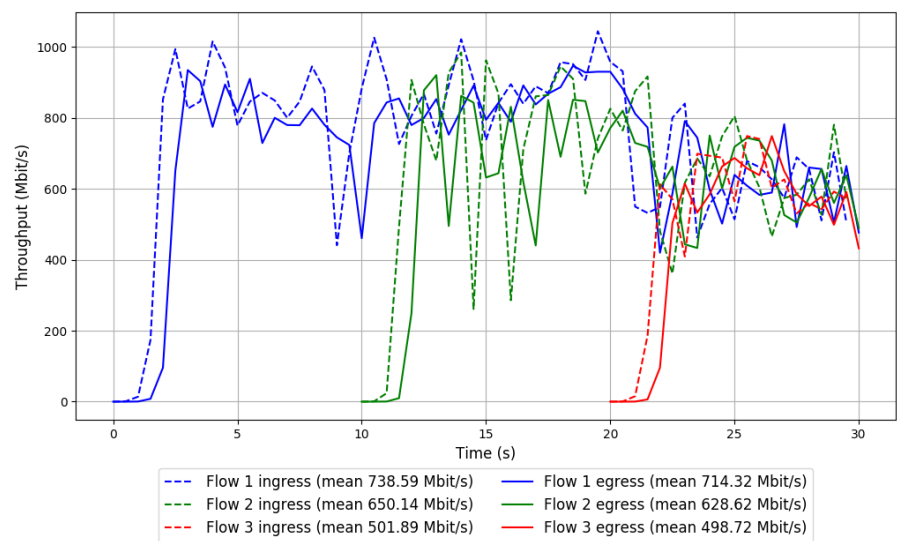
-- Flow 3:

Average throughput: 498.72 Mbit/s

95th percentile per-packet one-way delay: 158.104 ms

Loss rate: 3.36%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-26 05:59:22

End at: 2018-07-26 05:59:52

Local clock offset: 0.057 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-26 10:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1163.61 Mbit/s

95th percentile per-packet one-way delay: 306.102 ms

Loss rate: 7.41%

-- Flow 1:

Average throughput: 621.36 Mbit/s

95th percentile per-packet one-way delay: 328.692 ms

Loss rate: 8.94%

-- Flow 2:

Average throughput: 621.40 Mbit/s

95th percentile per-packet one-way delay: 277.622 ms

Loss rate: 4.95%

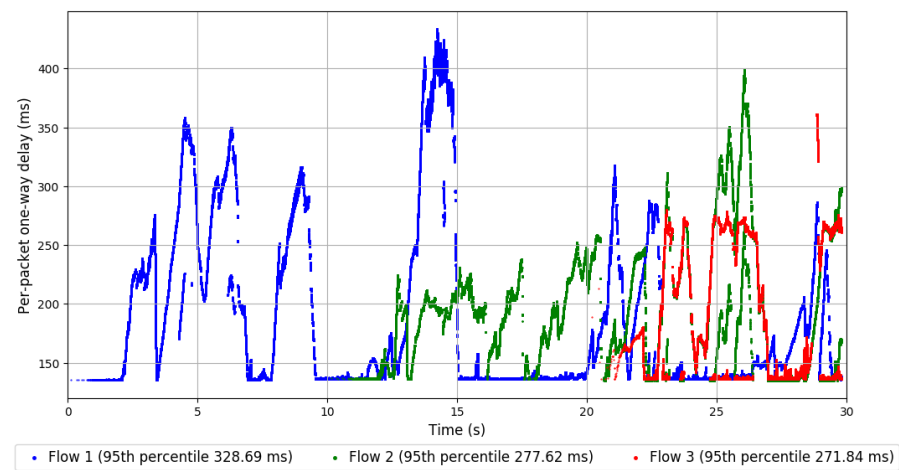
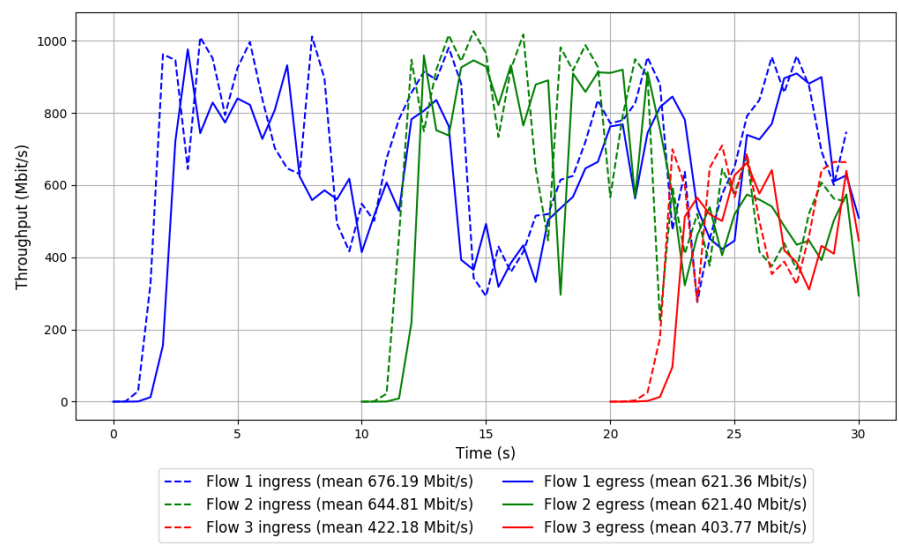
-- Flow 3:

Average throughput: 403.77 Mbit/s

95th percentile per-packet one-way delay: 271.840 ms

Loss rate: 7.50%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-26 06:26:04

End at: 2018-07-26 06:26:34

Local clock offset: 0.059 ms

Remote clock offset: 0.445 ms

Below is generated by plot.py at 2018-07-26 10:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 925.01 Mbit/s

95th percentile per-packet one-way delay: 330.969 ms

Loss rate: 5.86%

-- Flow 1:

Average throughput: 378.66 Mbit/s

95th percentile per-packet one-way delay: 343.183 ms

Loss rate: 4.56%

-- Flow 2:

Average throughput: 523.09 Mbit/s

95th percentile per-packet one-way delay: 333.128 ms

Loss rate: 7.58%

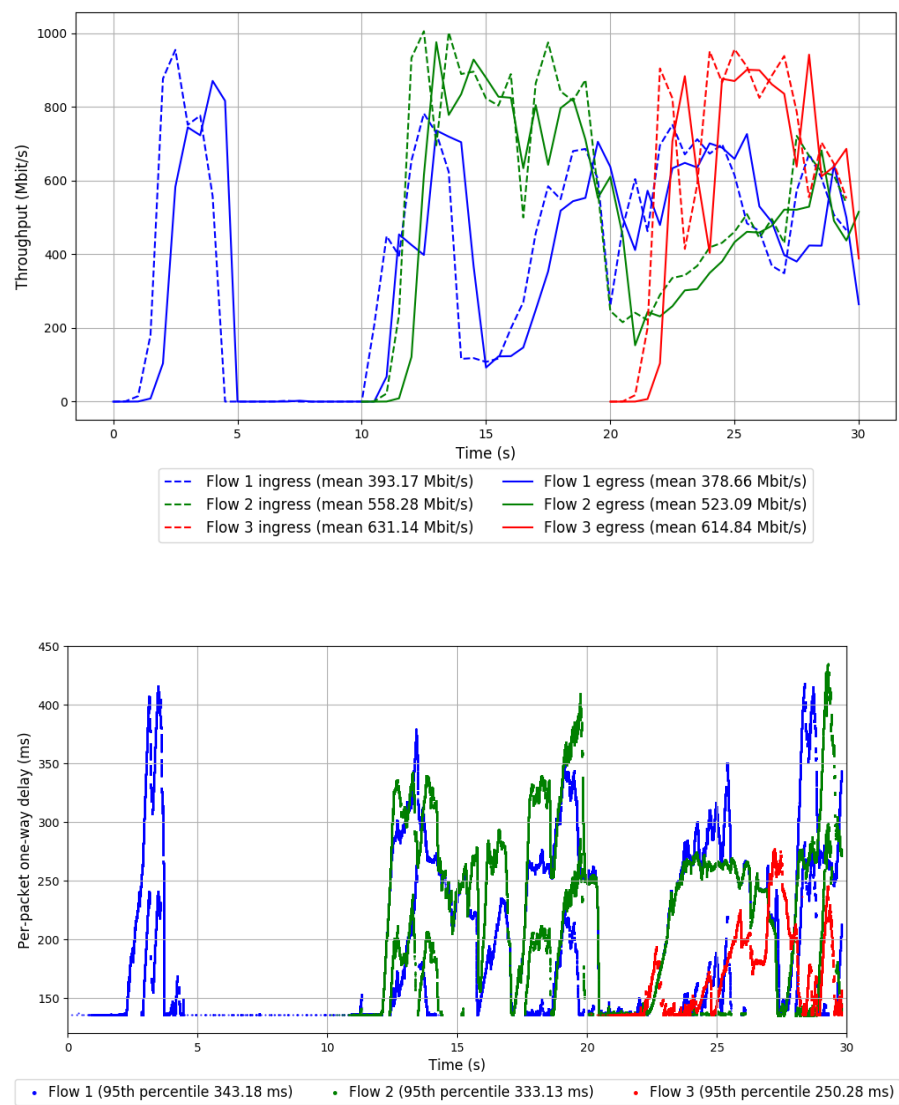
-- Flow 3:

Average throughput: 614.84 Mbit/s

95th percentile per-packet one-way delay: 250.279 ms

Loss rate: 5.24%

Run 5: Report of FillP — Data Link

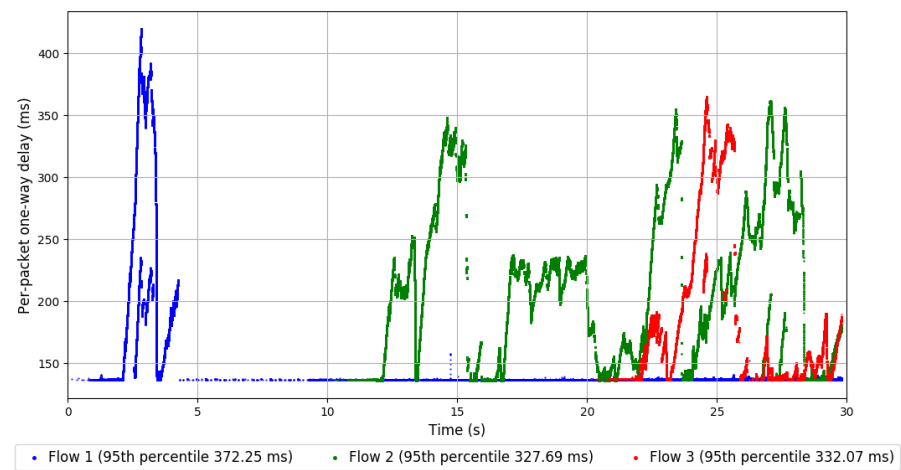
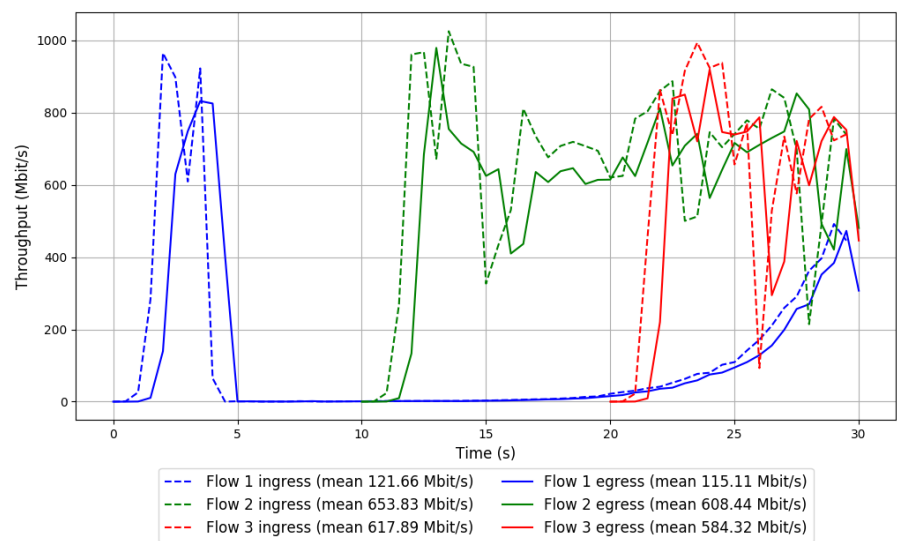


Run 6: Statistics of FillP

Start at: 2018-07-26 06:52:49
End at: 2018-07-26 06:53:19
Local clock offset: 0.125 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-07-26 10:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 708.67 Mbit/s
95th percentile per-packet one-way delay: 333.353 ms
Loss rate: 7.85%
-- Flow 1:
Average throughput: 115.11 Mbit/s
95th percentile per-packet one-way delay: 372.245 ms
Loss rate: 6.24%
-- Flow 2:
Average throughput: 608.44 Mbit/s
95th percentile per-packet one-way delay: 327.686 ms
Loss rate: 8.22%
-- Flow 3:
Average throughput: 584.32 Mbit/s
95th percentile per-packet one-way delay: 332.075 ms
Loss rate: 8.01%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-26 07:19:06

End at: 2018-07-26 07:19:36

Local clock offset: -0.13 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-07-26 10:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1144.75 Mbit/s

95th percentile per-packet one-way delay: 251.134 ms

Loss rate: 7.06%

-- Flow 1:

Average throughput: 607.40 Mbit/s

95th percentile per-packet one-way delay: 261.366 ms

Loss rate: 7.29%

-- Flow 2:

Average throughput: 565.78 Mbit/s

95th percentile per-packet one-way delay: 250.884 ms

Loss rate: 7.97%

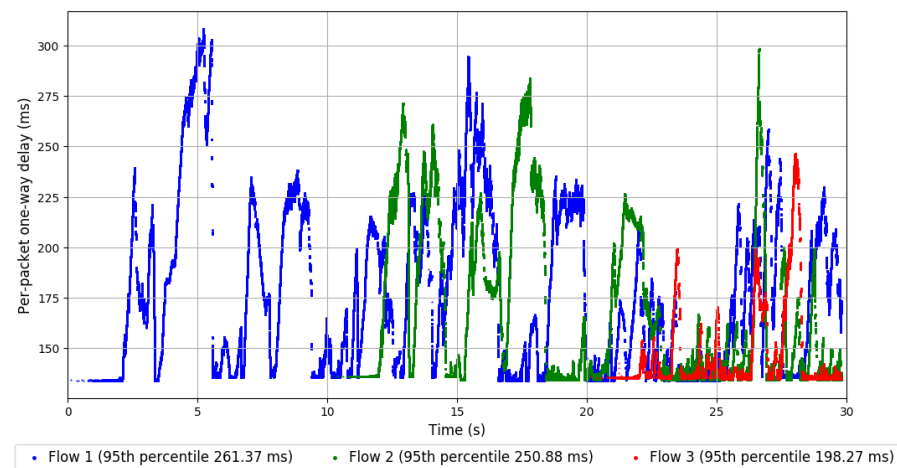
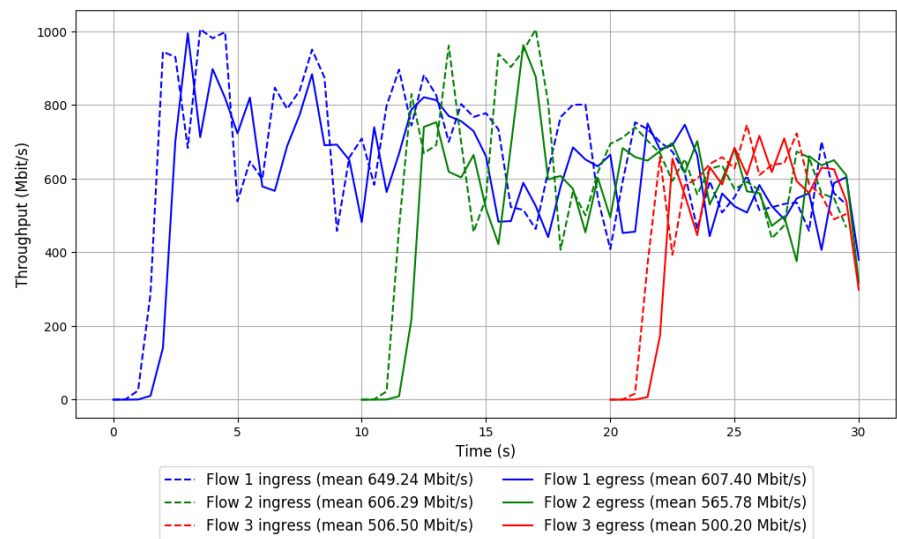
-- Flow 3:

Average throughput: 500.20 Mbit/s

95th percentile per-packet one-way delay: 198.266 ms

Loss rate: 3.97%

Run 7: Report of FillP — Data Link

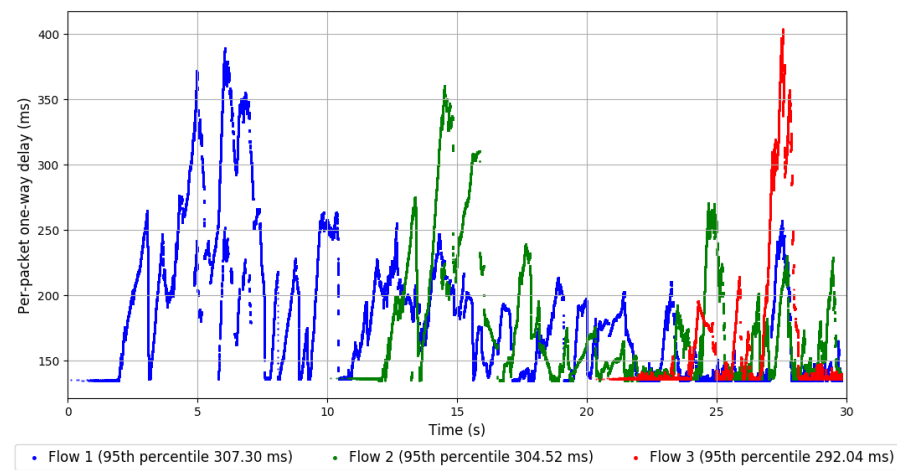
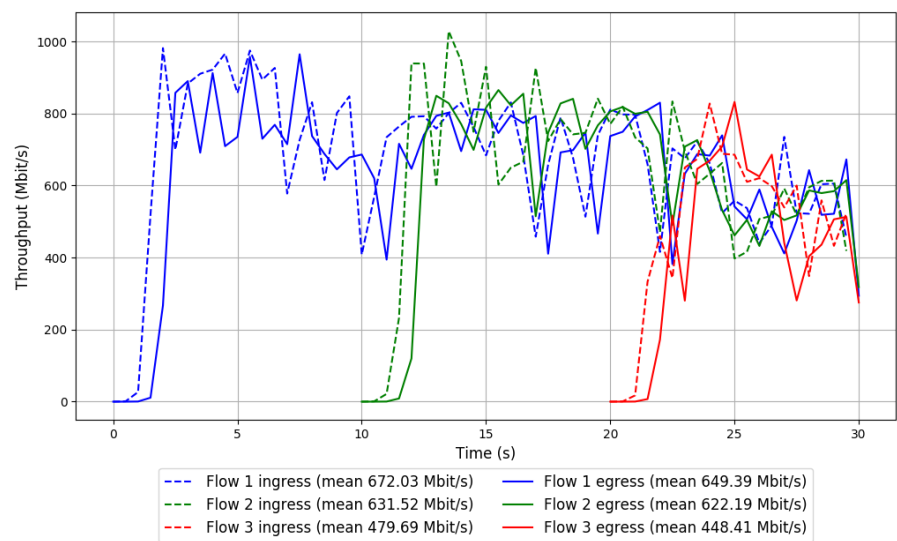


Run 8: Statistics of FillP

Start at: 2018-07-26 07:45:39
End at: 2018-07-26 07:46:09
Local clock offset: -0.191 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-26 10:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1207.40 Mbit/s
95th percentile per-packet one-way delay: 304.417 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 649.39 Mbit/s
95th percentile per-packet one-way delay: 307.300 ms
Loss rate: 4.22%
-- Flow 2:
Average throughput: 622.19 Mbit/s
95th percentile per-packet one-way delay: 304.525 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 448.41 Mbit/s
95th percentile per-packet one-way delay: 292.041 ms
Loss rate: 9.11%

Run 8: Report of FillP — Data Link

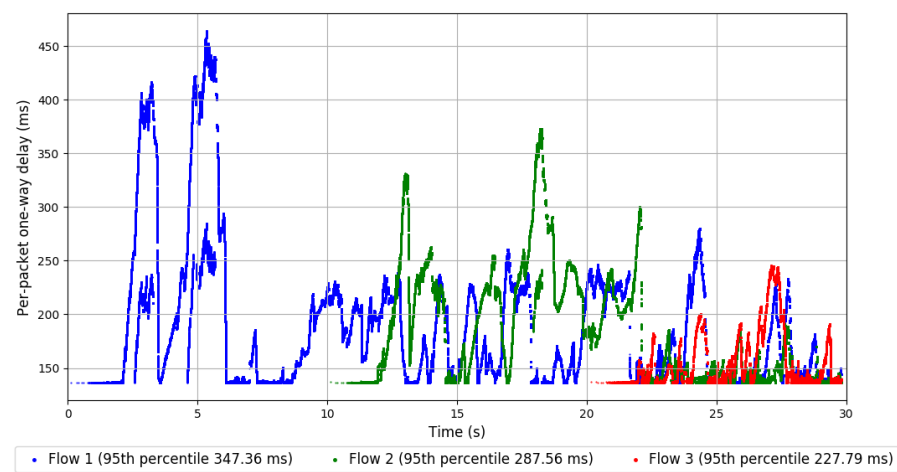
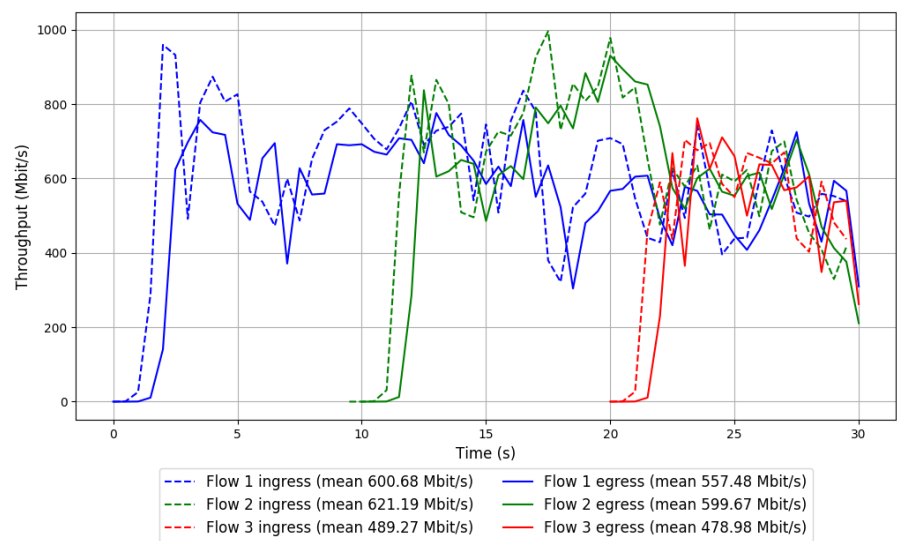


Run 9: Statistics of FillP

Start at: 2018-07-26 08:12:33
End at: 2018-07-26 08:13:03
Local clock offset: 0.027 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-07-26 10:23:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1110.93 Mbit/s
95th percentile per-packet one-way delay: 284.158 ms
Loss rate: 6.46%
-- Flow 1:
Average throughput: 557.48 Mbit/s
95th percentile per-packet one-way delay: 347.363 ms
Loss rate: 8.05%
-- Flow 2:
Average throughput: 599.67 Mbit/s
95th percentile per-packet one-way delay: 287.559 ms
Loss rate: 4.80%
-- Flow 3:
Average throughput: 478.98 Mbit/s
95th percentile per-packet one-way delay: 227.795 ms
Loss rate: 4.81%

Run 9: Report of FillP — Data Link

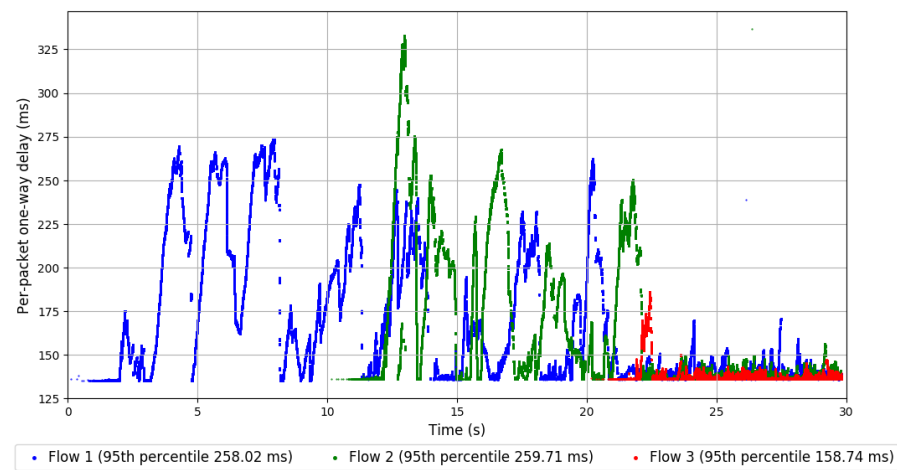
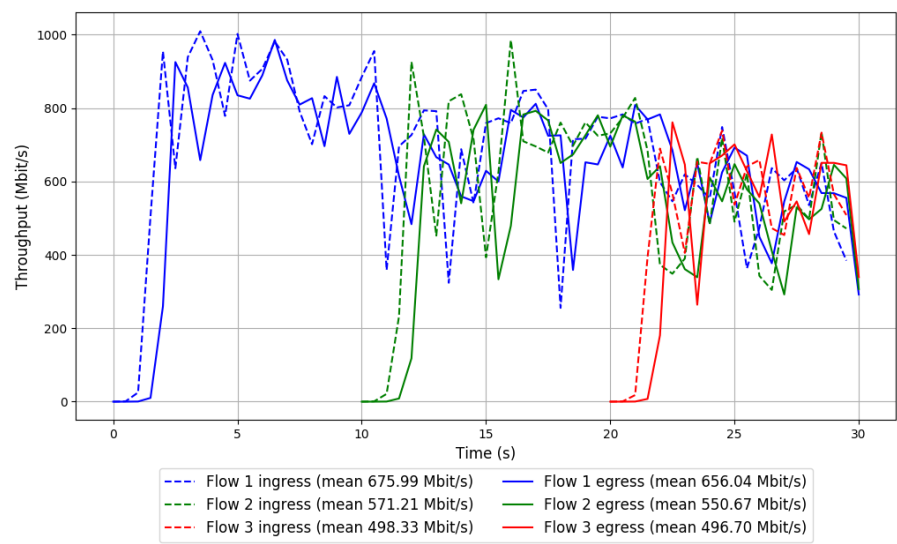


Run 10: Statistics of FillP

Start at: 2018-07-26 08:39:11
End at: 2018-07-26 08:39:41
Local clock offset: -0.044 ms
Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-07-26 10:31:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1182.15 Mbit/s
95th percentile per-packet one-way delay: 256.253 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 656.04 Mbit/s
95th percentile per-packet one-way delay: 258.020 ms
Loss rate: 3.86%
-- Flow 2:
Average throughput: 550.67 Mbit/s
95th percentile per-packet one-way delay: 259.714 ms
Loss rate: 4.91%
-- Flow 3:
Average throughput: 496.70 Mbit/s
95th percentile per-packet one-way delay: 158.743 ms
Loss rate: 3.07%

Run 10: Report of FillP — Data Link

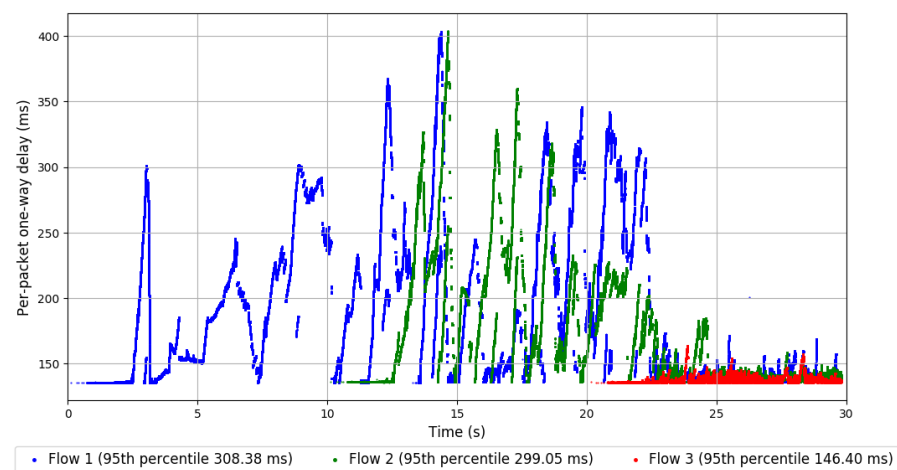
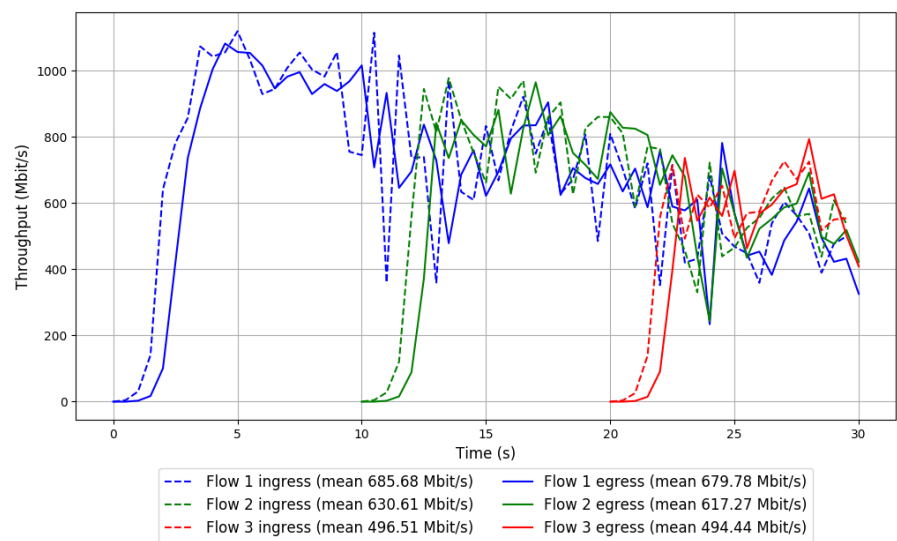


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-26 04:50:27
End at: 2018-07-26 04:50:57
Local clock offset: 0.019 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-26 10:38:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1249.53 Mbit/s
95th percentile per-packet one-way delay: 301.617 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 679.78 Mbit/s
95th percentile per-packet one-way delay: 308.385 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 617.27 Mbit/s
95th percentile per-packet one-way delay: 299.053 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 494.44 Mbit/s
95th percentile per-packet one-way delay: 146.396 ms
Loss rate: 3.17%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-26 05:17:48

End at: 2018-07-26 05:18:18

Local clock offset: -0.146 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-26 10:38:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 1229.17 Mbit/s

95th percentile per-packet one-way delay: 231.511 ms

Loss rate: 3.09%

-- Flow 1:

Average throughput: 667.60 Mbit/s

95th percentile per-packet one-way delay: 233.597 ms

Loss rate: 3.00%

-- Flow 2:

Average throughput: 613.43 Mbit/s

95th percentile per-packet one-way delay: 224.553 ms

Loss rate: 2.80%

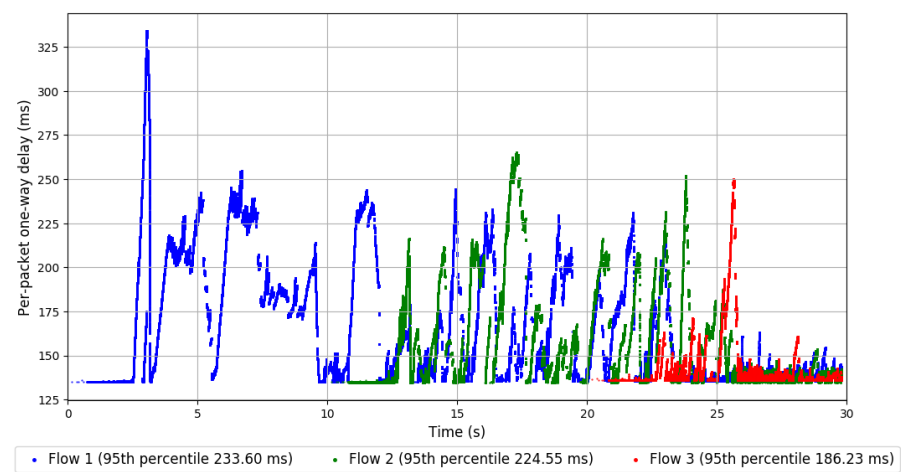
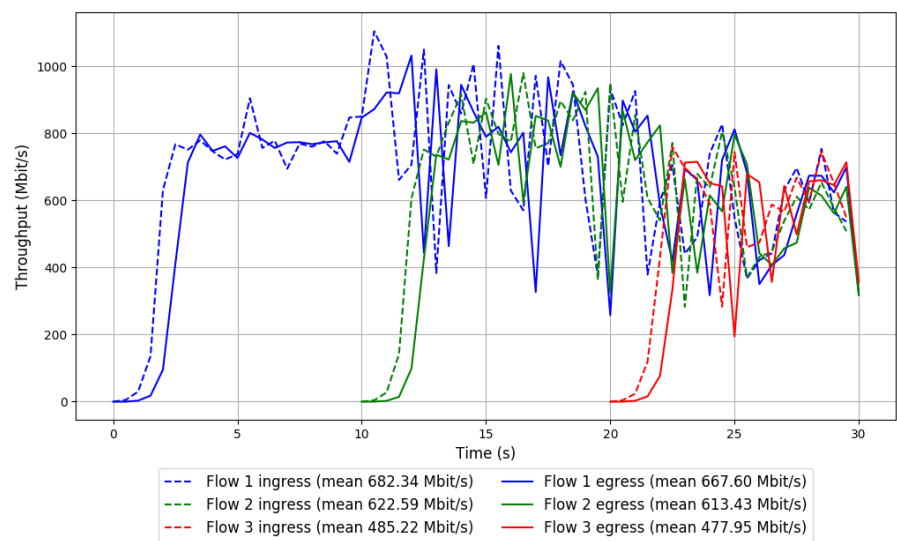
-- Flow 3:

Average throughput: 477.95 Mbit/s

95th percentile per-packet one-way delay: 186.231 ms

Loss rate: 4.19%

Run 2: Report of FillP-Sheep — Data Link

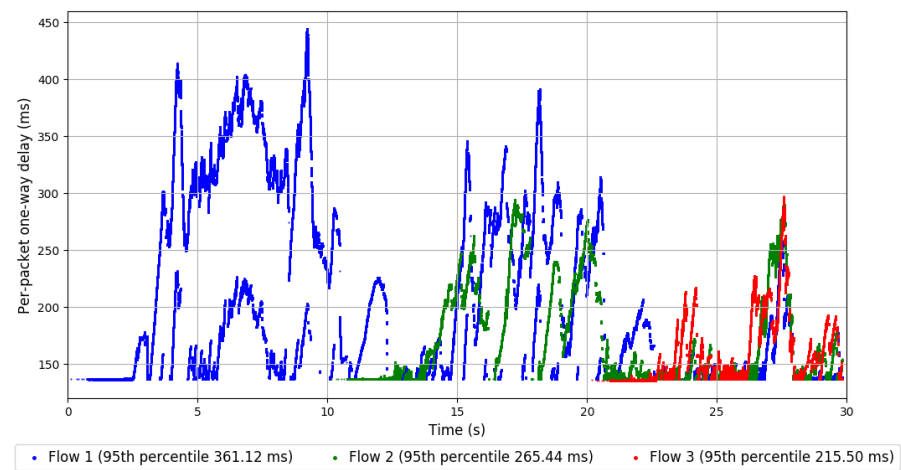
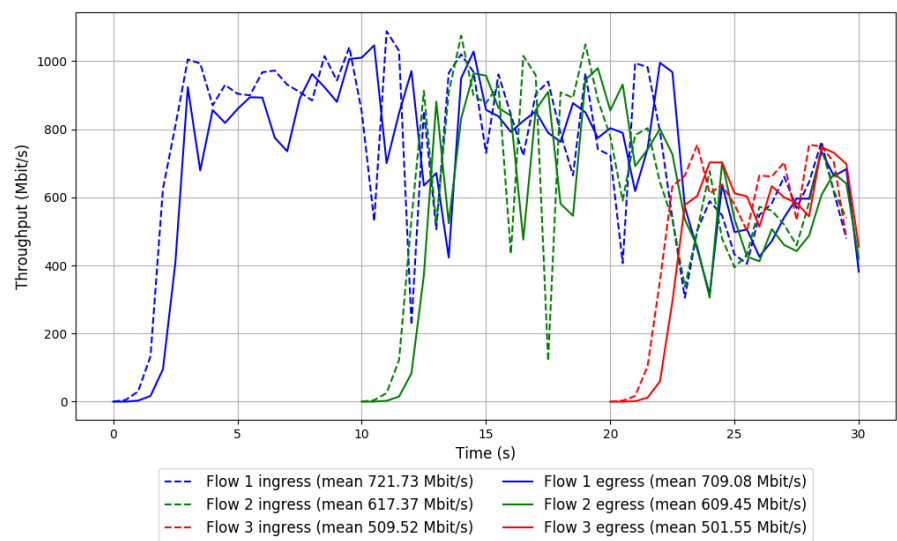


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-26 05:44:58
End at: 2018-07-26 05:45:28
Local clock offset: 0.173 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-07-26 10:40:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1275.80 Mbit/s
95th percentile per-packet one-way delay: 333.089 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 709.08 Mbit/s
95th percentile per-packet one-way delay: 361.122 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 609.45 Mbit/s
95th percentile per-packet one-way delay: 265.439 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 501.55 Mbit/s
95th percentile per-packet one-way delay: 215.497 ms
Loss rate: 4.28%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-26 06:11:53

End at: 2018-07-26 06:12:23

Local clock offset: -0.041 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2018-07-26 10:40:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1237.90 Mbit/s

95th percentile per-packet one-way delay: 302.407 ms

Loss rate: 4.47%

-- Flow 1:

Average throughput: 668.34 Mbit/s

95th percentile per-packet one-way delay: 324.234 ms

Loss rate: 5.78%

-- Flow 2:

Average throughput: 658.36 Mbit/s

95th percentile per-packet one-way delay: 263.149 ms

Loss rate: 2.33%

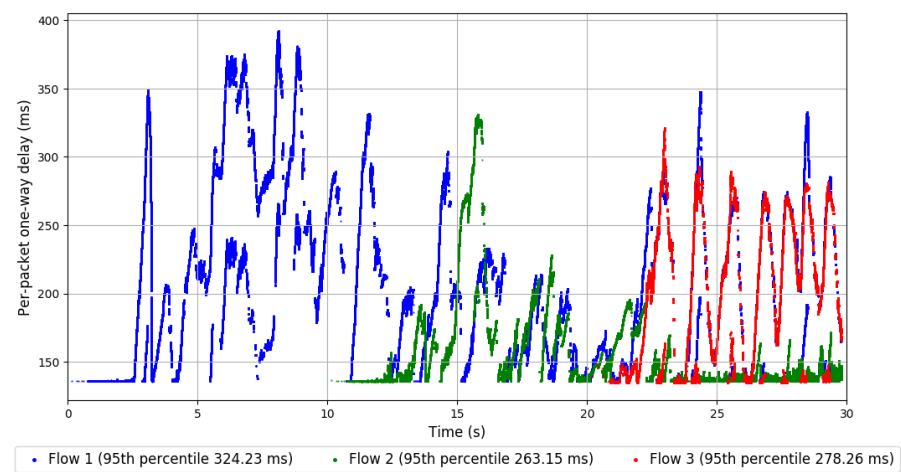
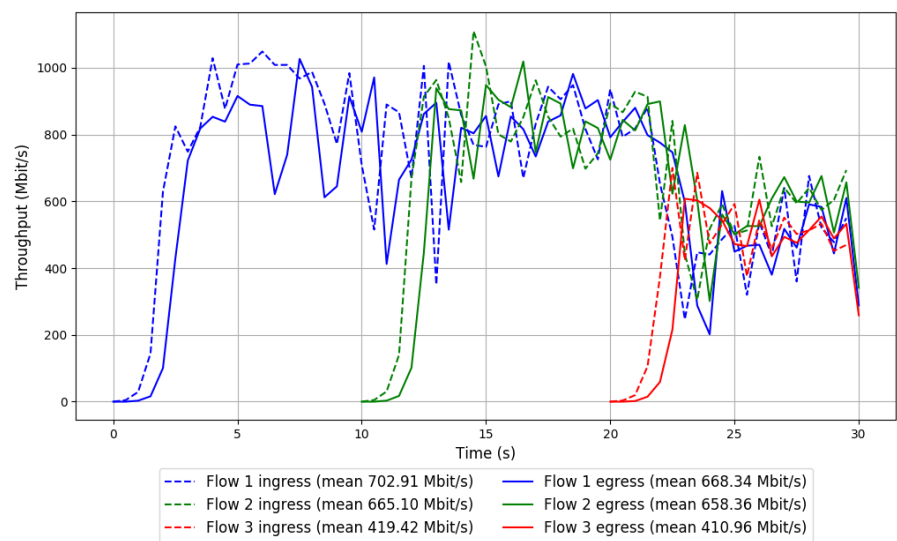
-- Flow 3:

Average throughput: 410.96 Mbit/s

95th percentile per-packet one-way delay: 278.263 ms

Loss rate: 4.68%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-26 06:38:24

End at: 2018-07-26 06:38:54

Local clock offset: -0.05 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-07-26 10:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1312.93 Mbit/s

95th percentile per-packet one-way delay: 292.965 ms

Loss rate: 2.79%

-- Flow 1:

Average throughput: 744.48 Mbit/s

95th percentile per-packet one-way delay: 302.336 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 629.93 Mbit/s

95th percentile per-packet one-way delay: 288.453 ms

Loss rate: 3.30%

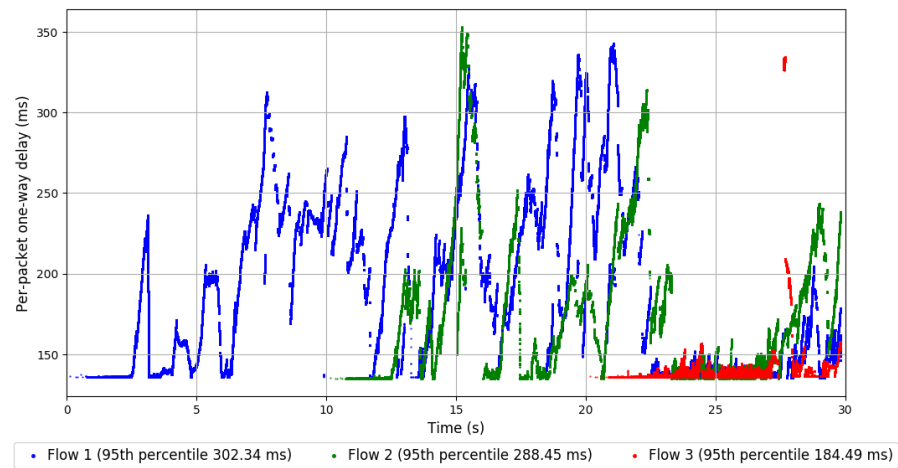
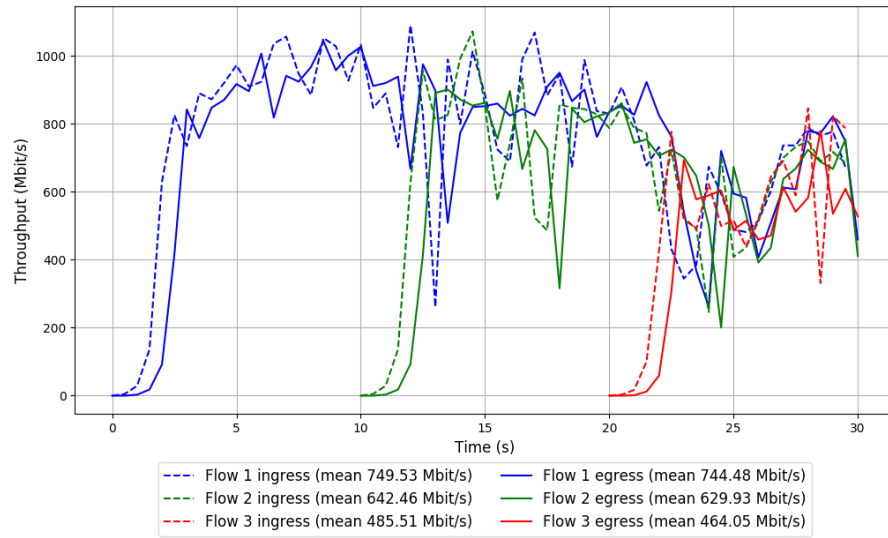
-- Flow 3:

Average throughput: 464.05 Mbit/s

95th percentile per-packet one-way delay: 184.490 ms

Loss rate: 7.07%

Run 5: Report of FillP-Sheep — Data Link

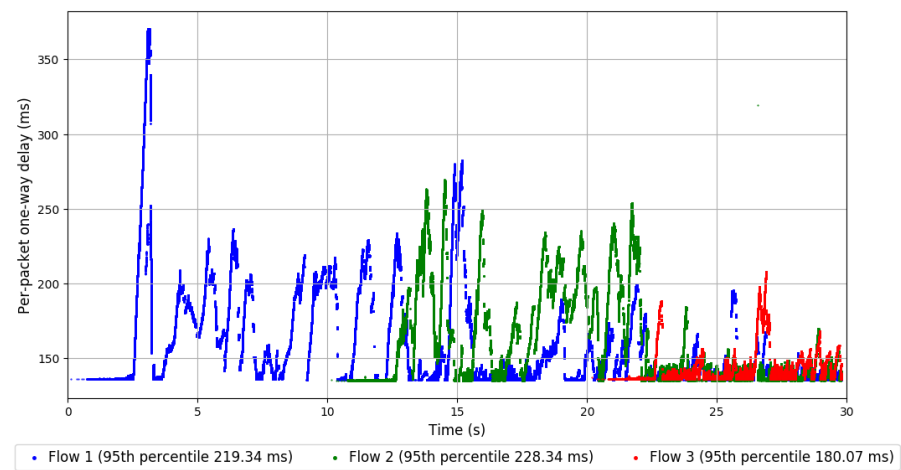
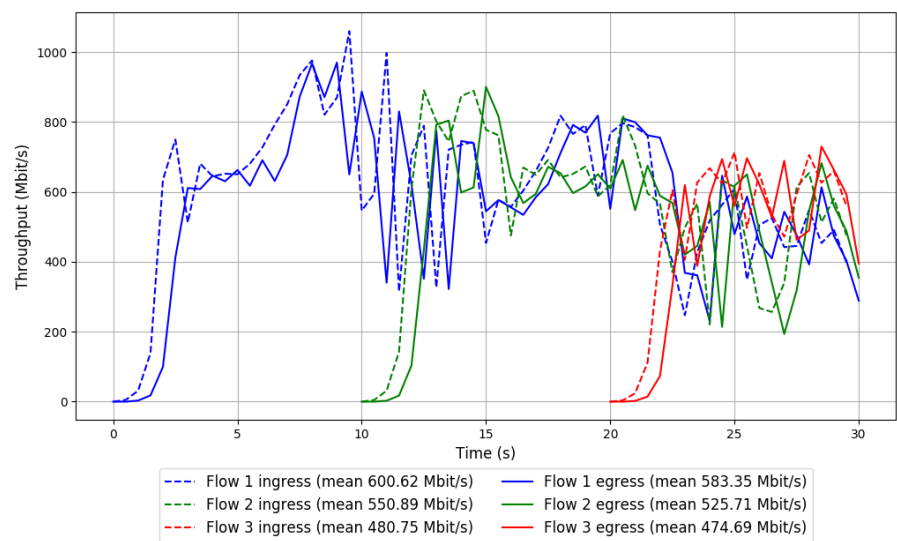


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-26 07:05:03
End at: 2018-07-26 07:05:33
Local clock offset: -0.22 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-26 10:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1085.04 Mbit/s
95th percentile per-packet one-way delay: 221.277 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 583.35 Mbit/s
95th percentile per-packet one-way delay: 219.339 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 525.71 Mbit/s
95th percentile per-packet one-way delay: 228.340 ms
Loss rate: 5.94%
-- Flow 3:
Average throughput: 474.69 Mbit/s
95th percentile per-packet one-way delay: 180.073 ms
Loss rate: 3.98%

Run 6: Report of FillP-Sheep — Data Link

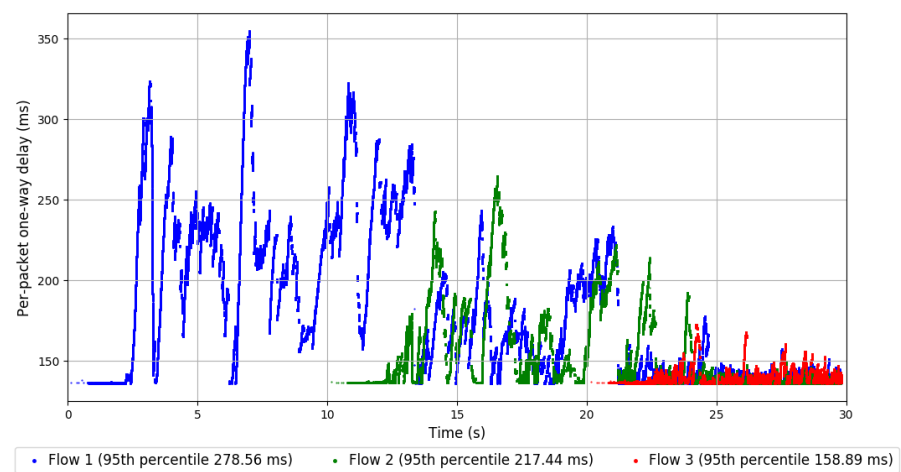
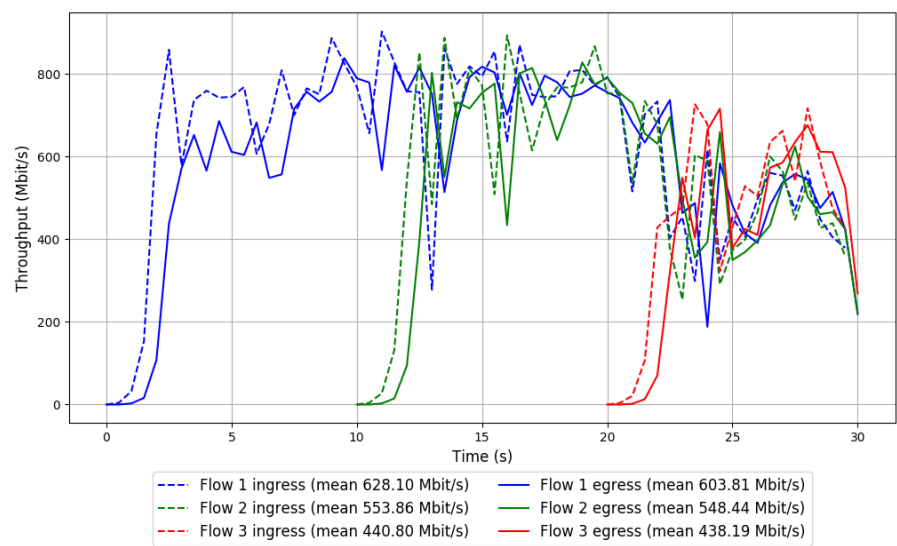


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-26 07:31:40
End at: 2018-07-26 07:32:10
Local clock offset: 0.075 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-26 10:57:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 1109.21 Mbit/s
95th percentile per-packet one-way delay: 254.250 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 603.81 Mbit/s
95th percentile per-packet one-way delay: 278.562 ms
Loss rate: 4.74%
-- Flow 2:
Average throughput: 548.44 Mbit/s
95th percentile per-packet one-way delay: 217.444 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 438.19 Mbit/s
95th percentile per-packet one-way delay: 158.888 ms
Loss rate: 3.34%

Run 7: Report of FillP-Sheep — Data Link

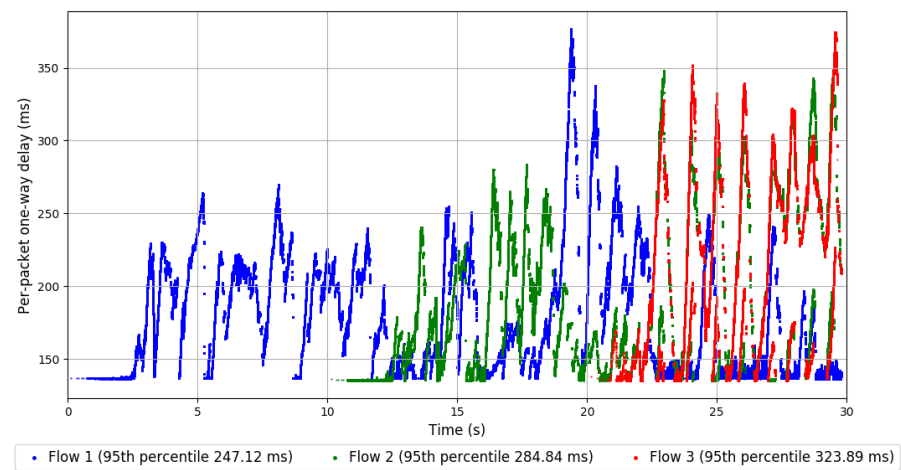
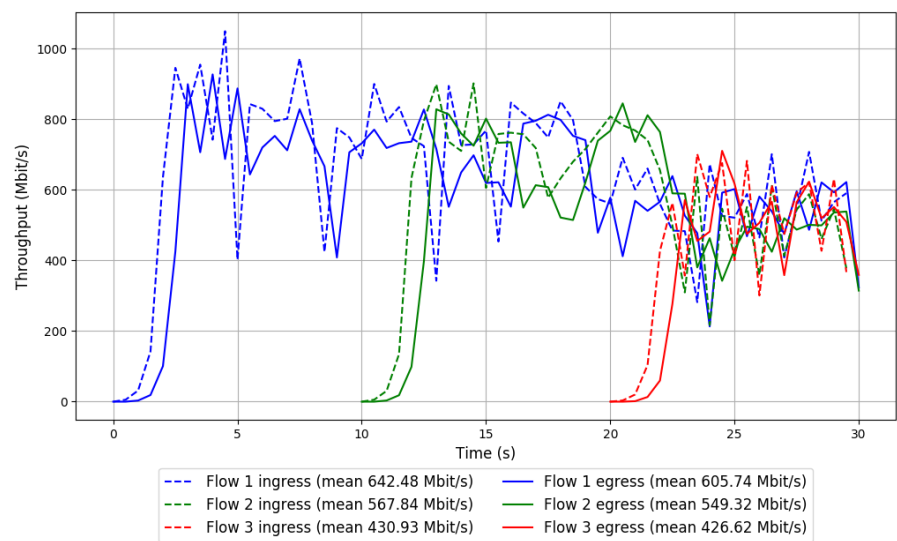


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-26 07:58:13
End at: 2018-07-26 07:58:43
Local clock offset: 0.025 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-26 11:05:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 1108.30 Mbit/s
95th percentile per-packet one-way delay: 282.145 ms
Loss rate: 5.59%
-- Flow 1:
Average throughput: 605.74 Mbit/s
95th percentile per-packet one-way delay: 247.117 ms
Loss rate: 6.58%
-- Flow 2:
Average throughput: 549.32 Mbit/s
95th percentile per-packet one-way delay: 284.838 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 426.62 Mbit/s
95th percentile per-packet one-way delay: 323.893 ms
Loss rate: 3.76%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-26 08:25:18

End at: 2018-07-26 08:25:48

Local clock offset: -0.278 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-07-26 11:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1039.49 Mbit/s

95th percentile per-packet one-way delay: 260.947 ms

Loss rate: 6.62%

-- Flow 1:

Average throughput: 575.58 Mbit/s

95th percentile per-packet one-way delay: 249.038 ms

Loss rate: 6.67%

-- Flow 2:

Average throughput: 481.10 Mbit/s

95th percentile per-packet one-way delay: 293.116 ms

Loss rate: 7.65%

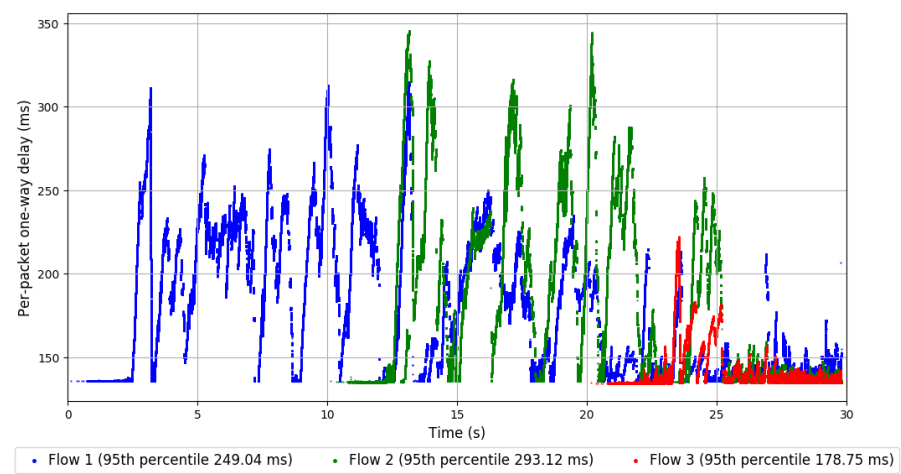
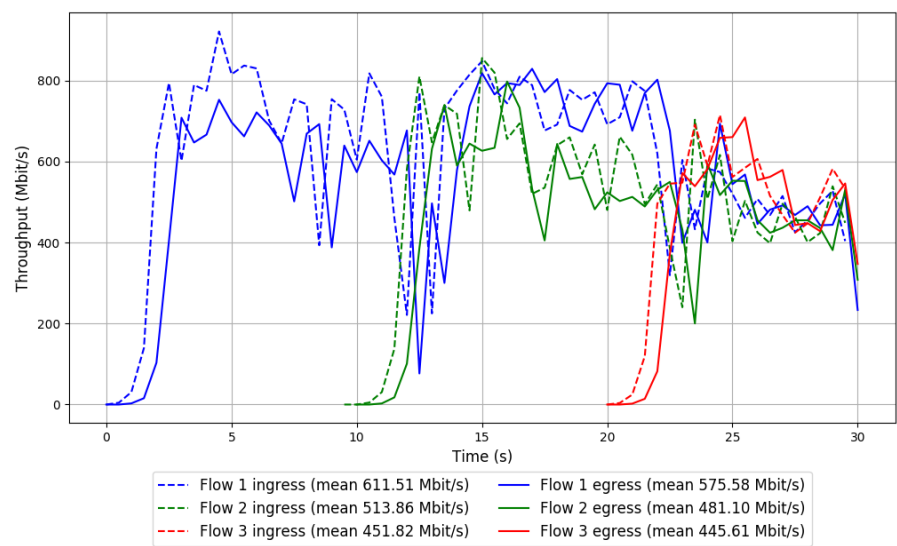
-- Flow 3:

Average throughput: 445.61 Mbit/s

95th percentile per-packet one-way delay: 178.750 ms

Loss rate: 4.09%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-26 08:51:38

End at: 2018-07-26 08:52:08

Local clock offset: 0.009 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-26 11:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 711.49 Mbit/s

95th percentile per-packet one-way delay: 352.550 ms

Loss rate: 11.29%

-- Flow 1:

Average throughput: 155.98 Mbit/s

95th percentile per-packet one-way delay: 399.085 ms

Loss rate: 13.24%

-- Flow 2:

Average throughput: 574.64 Mbit/s

95th percentile per-packet one-way delay: 274.129 ms

Loss rate: 11.81%

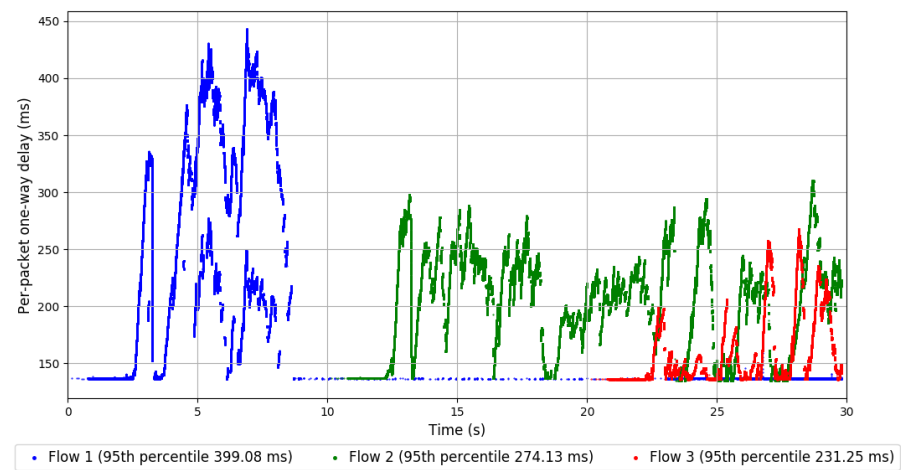
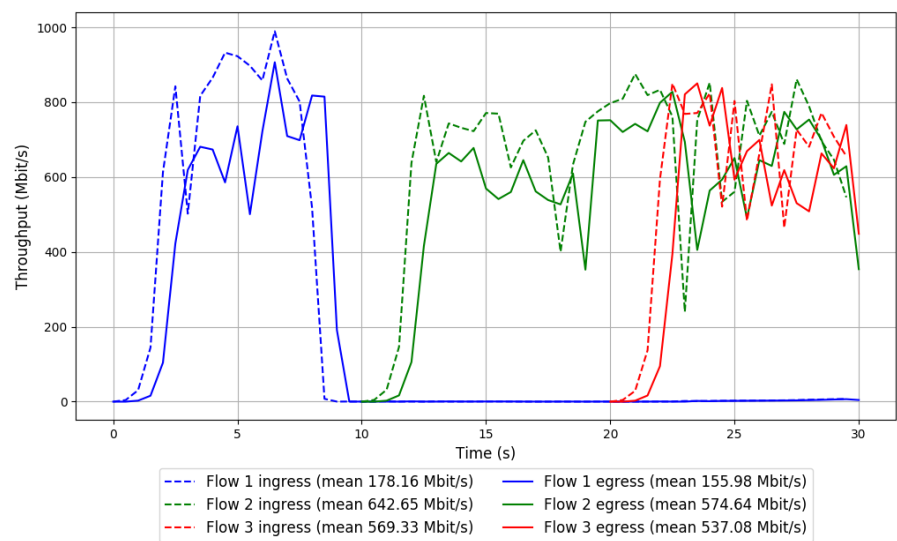
-- Flow 3:

Average throughput: 537.08 Mbit/s

95th percentile per-packet one-way delay: 231.253 ms

Loss rate: 8.25%

Run 10: Report of FillP-Sheep — Data Link

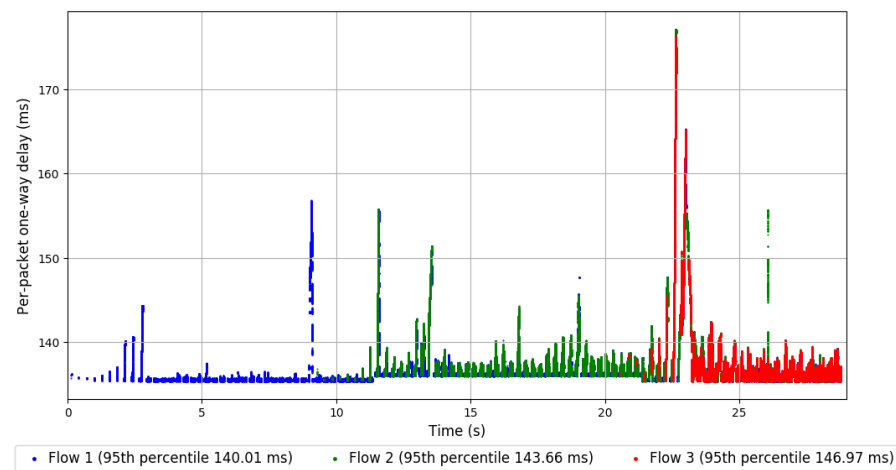
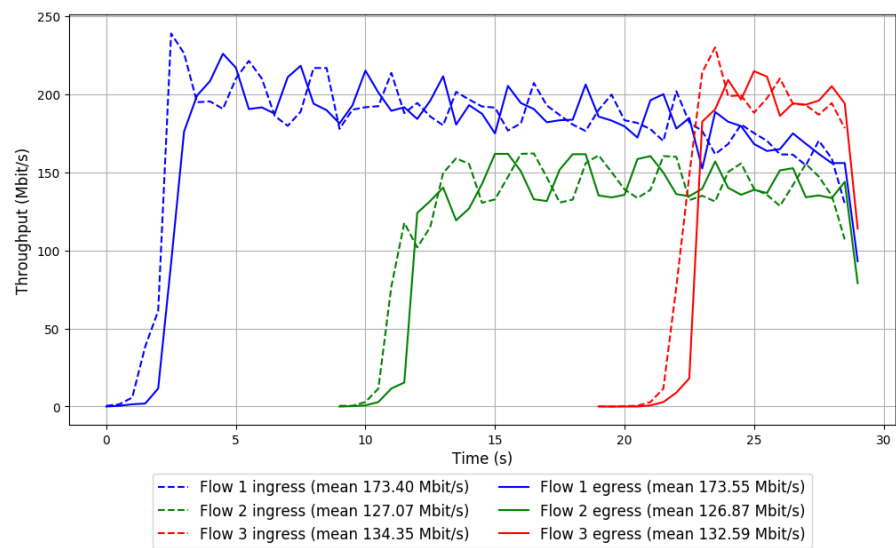


Run 1: Statistics of Indigo

Start at: 2018-07-26 04:34:59
End at: 2018-07-26 04:35:29
Local clock offset: -0.309 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.80 Mbit/s
95th percentile per-packet one-way delay: 142.259 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 173.55 Mbit/s
95th percentile per-packet one-way delay: 140.007 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 126.87 Mbit/s
95th percentile per-packet one-way delay: 143.656 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 132.59 Mbit/s
95th percentile per-packet one-way delay: 146.967 ms
Loss rate: 4.06%

Run 1: Report of Indigo — Data Link

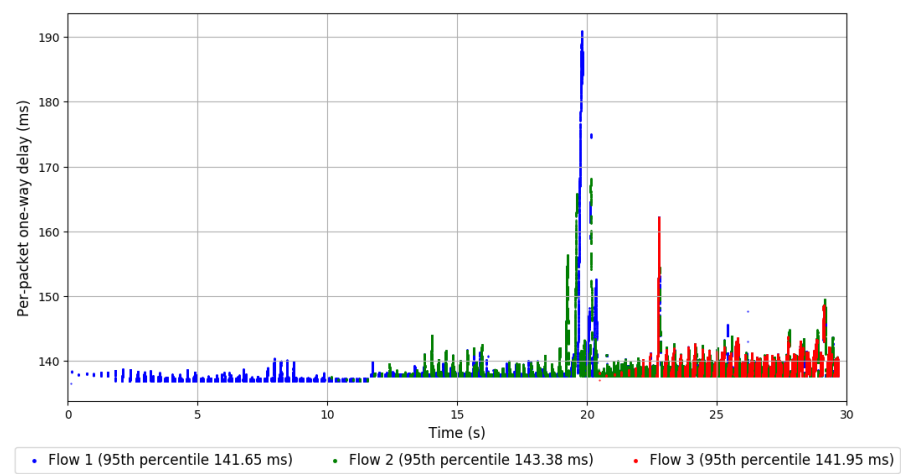
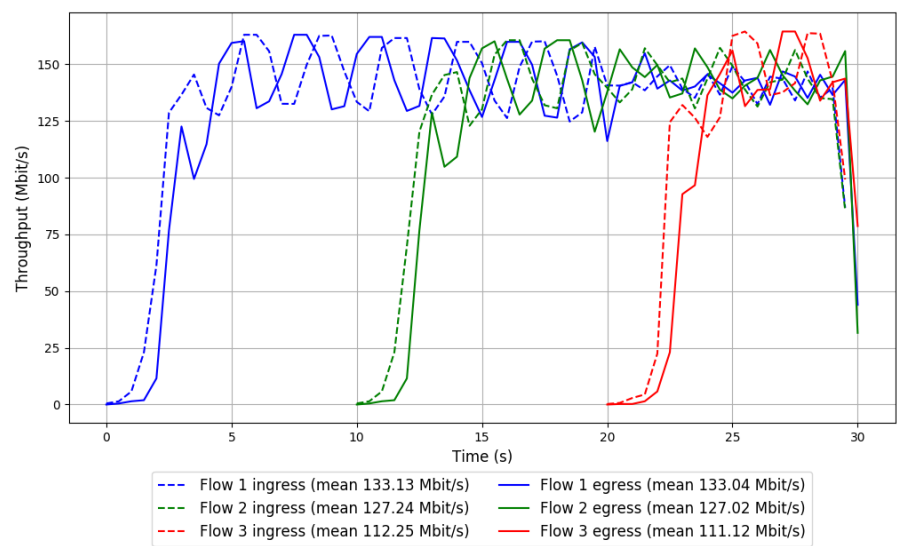


Run 2: Statistics of Indigo

Start at: 2018-07-26 05:02:09
End at: 2018-07-26 05:02:39
Local clock offset: 1.817 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.68 Mbit/s
95th percentile per-packet one-way delay: 142.322 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 133.04 Mbit/s
95th percentile per-packet one-way delay: 141.649 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 127.02 Mbit/s
95th percentile per-packet one-way delay: 143.383 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 111.12 Mbit/s
95th percentile per-packet one-way delay: 141.949 ms
Loss rate: 3.83%

Run 2: Report of Indigo — Data Link

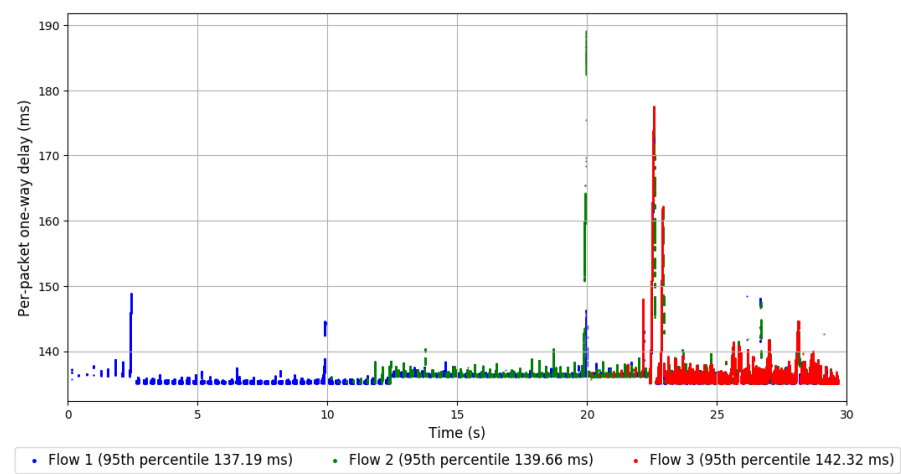
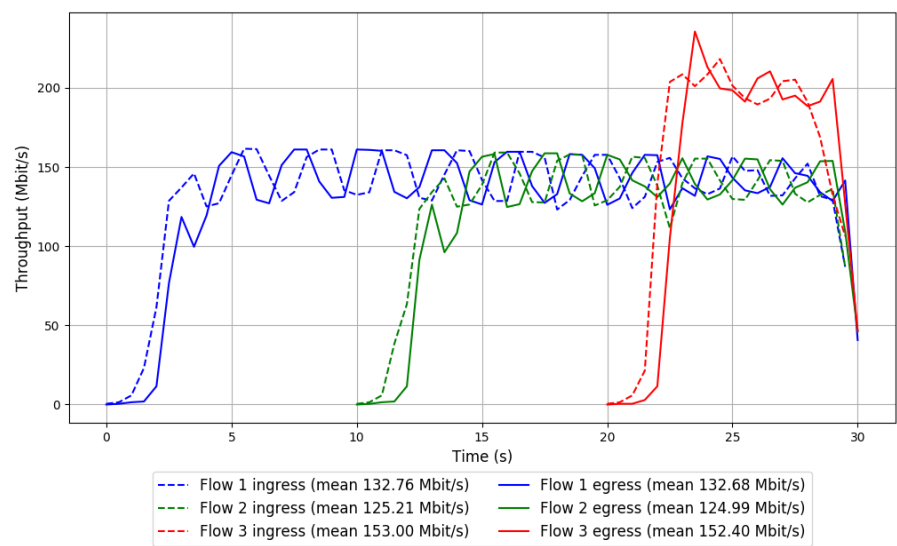


Run 3: Statistics of Indigo

Start at: 2018-07-26 05:29:29
End at: 2018-07-26 05:29:59
Local clock offset: 0.003 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.41 Mbit/s
95th percentile per-packet one-way delay: 138.722 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 132.68 Mbit/s
95th percentile per-packet one-way delay: 137.188 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 124.99 Mbit/s
95th percentile per-packet one-way delay: 139.662 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 152.40 Mbit/s
95th percentile per-packet one-way delay: 142.316 ms
Loss rate: 3.16%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-26 05:56:28

End at: 2018-07-26 05:56:58

Local clock offset: -0.053 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2018-07-26 11:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.60 Mbit/s

95th percentile per-packet one-way delay: 139.208 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 132.85 Mbit/s

95th percentile per-packet one-way delay: 138.877 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 173.22 Mbit/s

95th percentile per-packet one-way delay: 138.677 ms

Loss rate: 1.45%

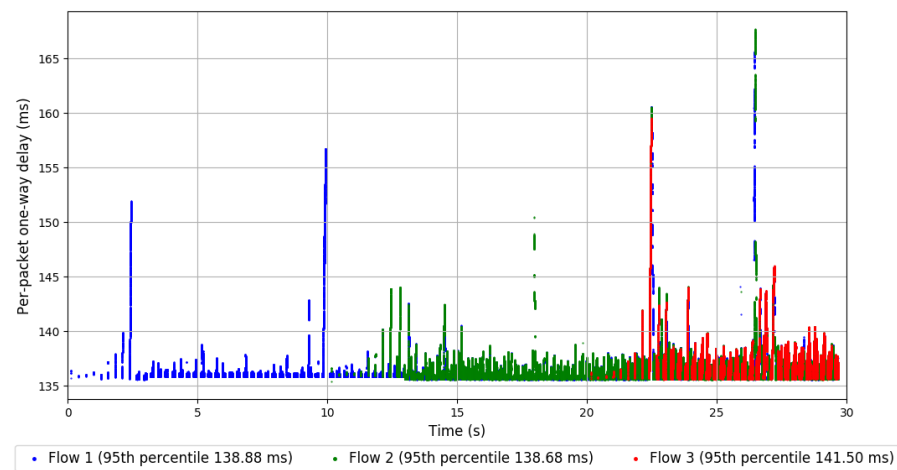
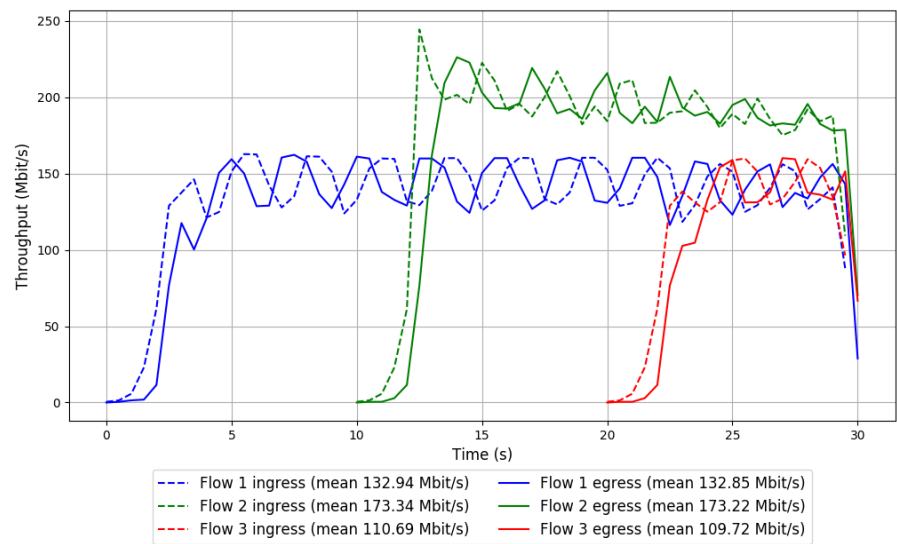
-- Flow 3:

Average throughput: 109.72 Mbit/s

95th percentile per-packet one-way delay: 141.496 ms

Loss rate: 3.65%

Run 4: Report of Indigo — Data Link

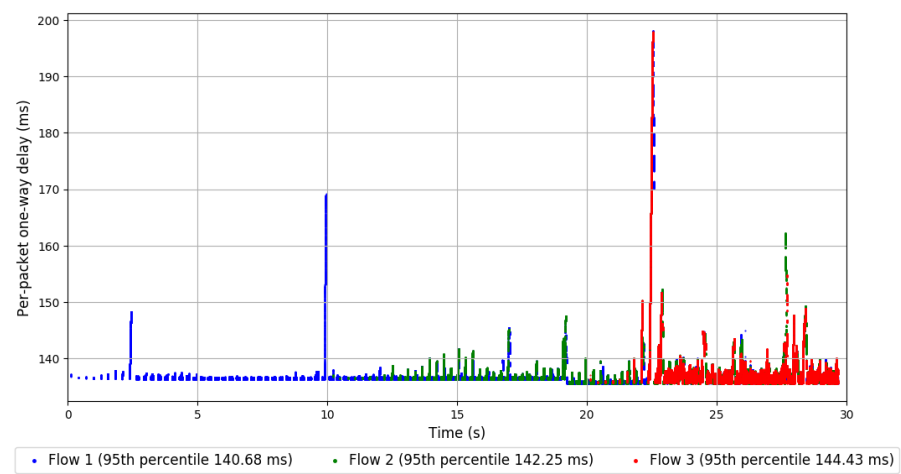
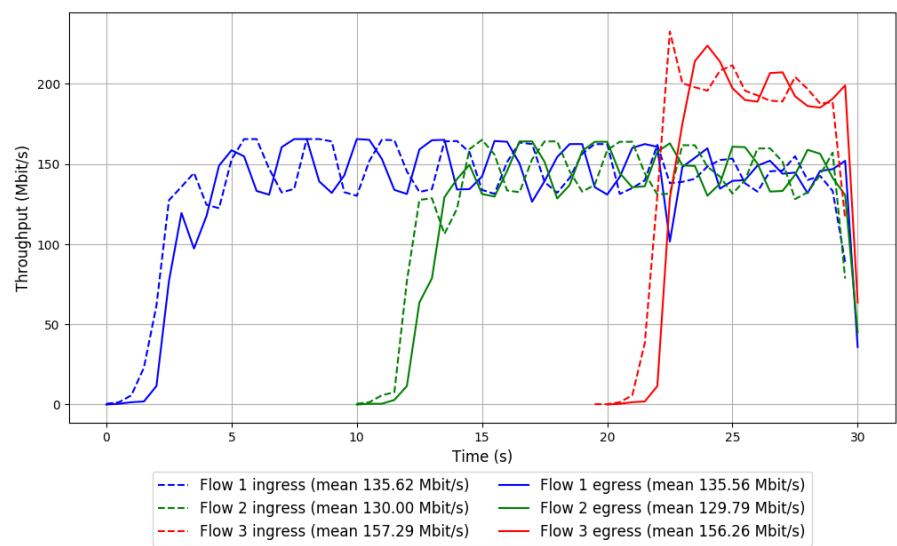


Run 5: Statistics of Indigo

Start at: 2018-07-26 06:23:12
End at: 2018-07-26 06:23:42
Local clock offset: 0.048 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.21 Mbit/s
95th percentile per-packet one-way delay: 142.087 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 135.56 Mbit/s
95th percentile per-packet one-way delay: 140.684 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 129.79 Mbit/s
95th percentile per-packet one-way delay: 142.255 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 156.26 Mbit/s
95th percentile per-packet one-way delay: 144.434 ms
Loss rate: 3.40%

Run 5: Report of Indigo — Data Link

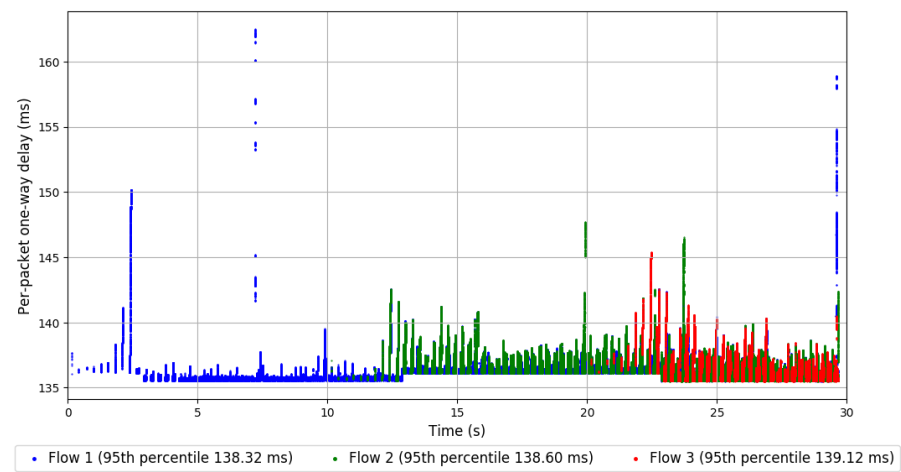
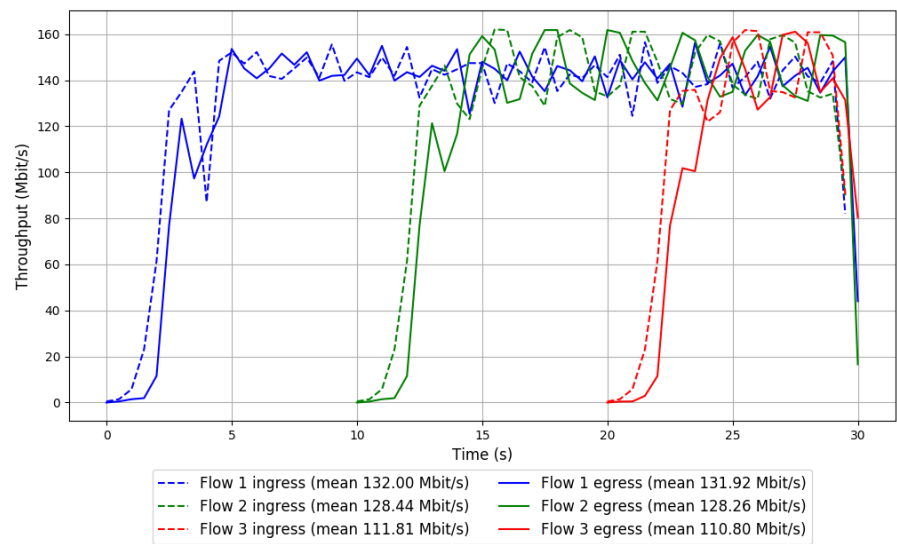


Run 6: Statistics of Indigo

Start at: 2018-07-26 06:49:58
End at: 2018-07-26 06:50:28
Local clock offset: -0.131 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.21 Mbit/s
95th percentile per-packet one-way delay: 138.552 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 131.92 Mbit/s
95th percentile per-packet one-way delay: 138.320 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 128.26 Mbit/s
95th percentile per-packet one-way delay: 138.598 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 110.80 Mbit/s
95th percentile per-packet one-way delay: 139.119 ms
Loss rate: 3.69%

Run 6: Report of Indigo — Data Link

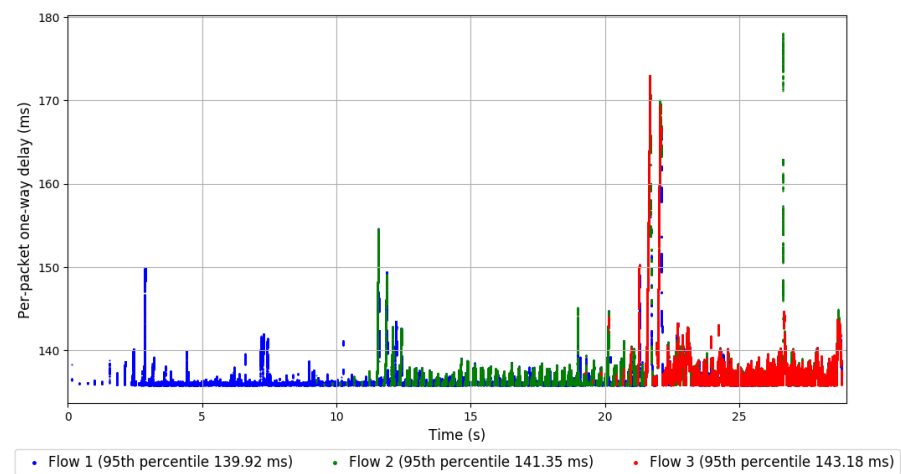
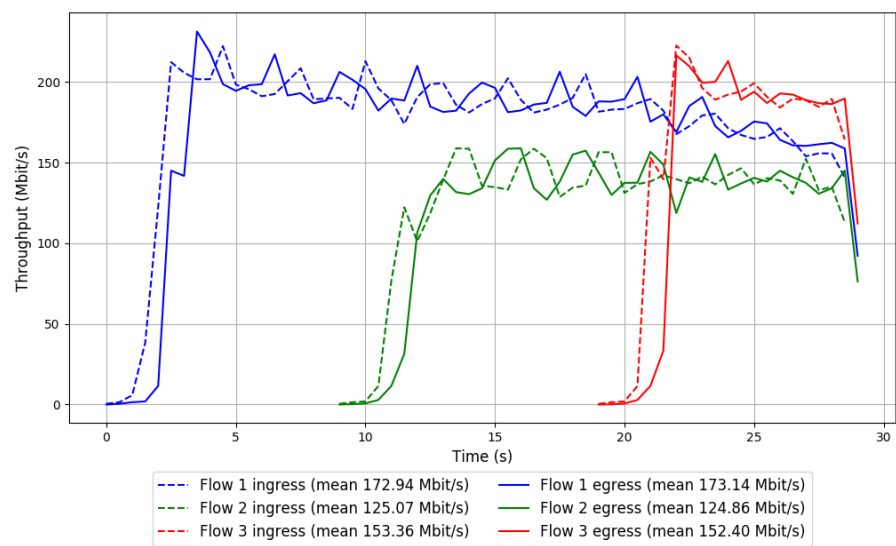


Run 7: Statistics of Indigo

Start at: 2018-07-26 07:16:11
End at: 2018-07-26 07:16:41
Local clock offset: 0.116 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.74 Mbit/s
95th percentile per-packet one-way delay: 140.872 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 173.14 Mbit/s
95th percentile per-packet one-way delay: 139.916 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 124.86 Mbit/s
95th percentile per-packet one-way delay: 141.348 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 152.40 Mbit/s
95th percentile per-packet one-way delay: 143.175 ms
Loss rate: 3.39%

Run 7: Report of Indigo — Data Link

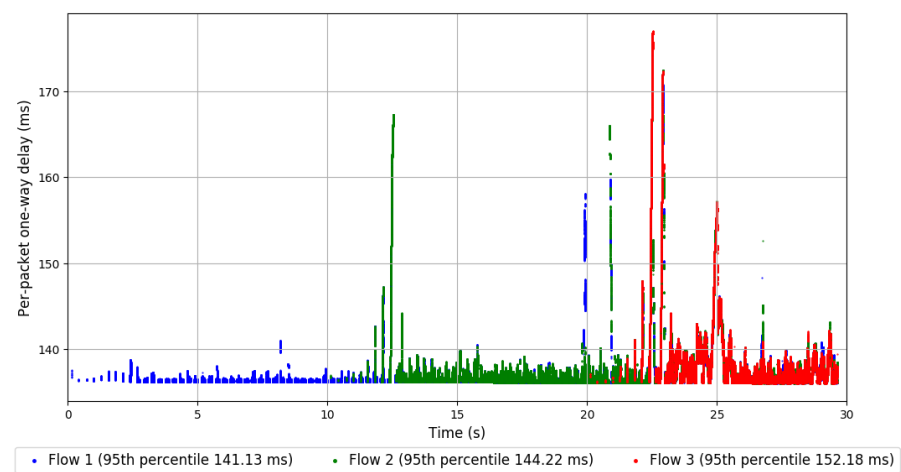
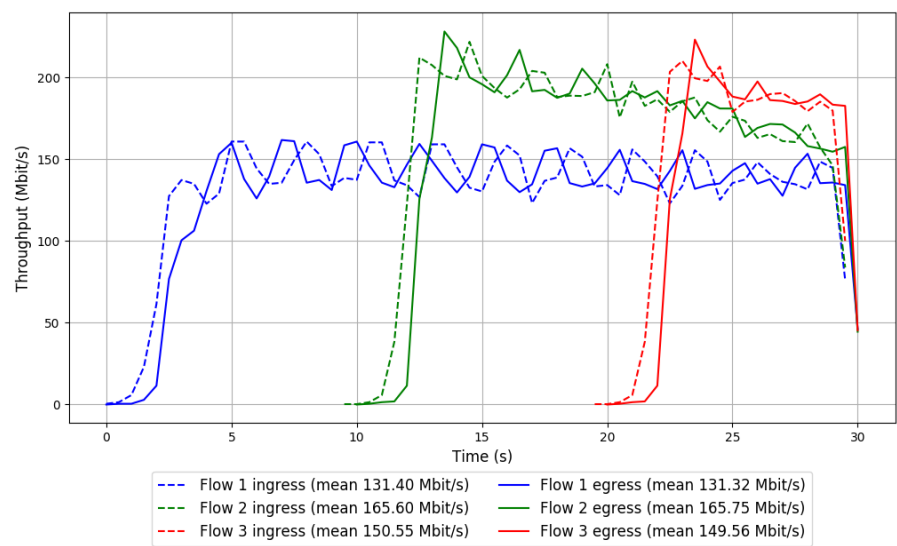


Run 8: Statistics of Indigo

Start at: 2018-07-26 07:42:45
End at: 2018-07-26 07:43:15
Local clock offset: -0.019 ms
Remote clock offset: -0.054 ms

```
# Below is generated by plot.py at 2018-07-26 11:08:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.18 Mbit/s
95th percentile per-packet one-way delay: 143.362 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 131.32 Mbit/s
95th percentile per-packet one-way delay: 141.134 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 165.75 Mbit/s
95th percentile per-packet one-way delay: 144.217 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 149.56 Mbit/s
95th percentile per-packet one-way delay: 152.176 ms
Loss rate: 3.40%
```

Run 8: Report of Indigo — Data Link

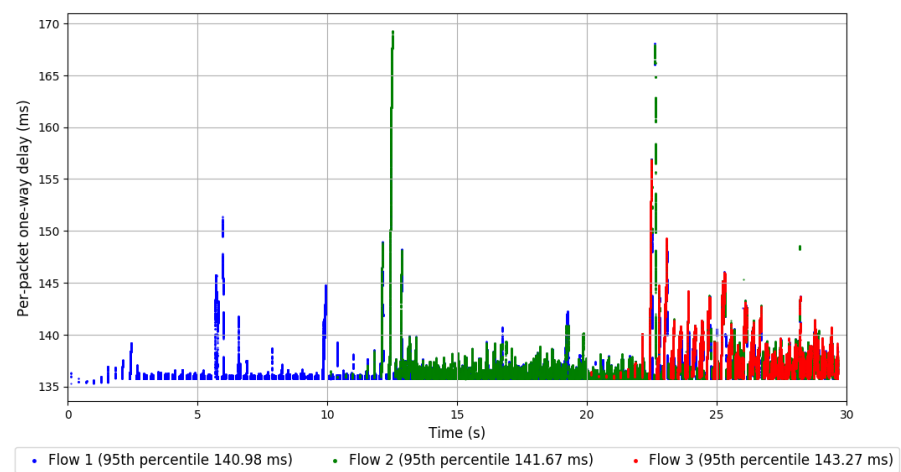
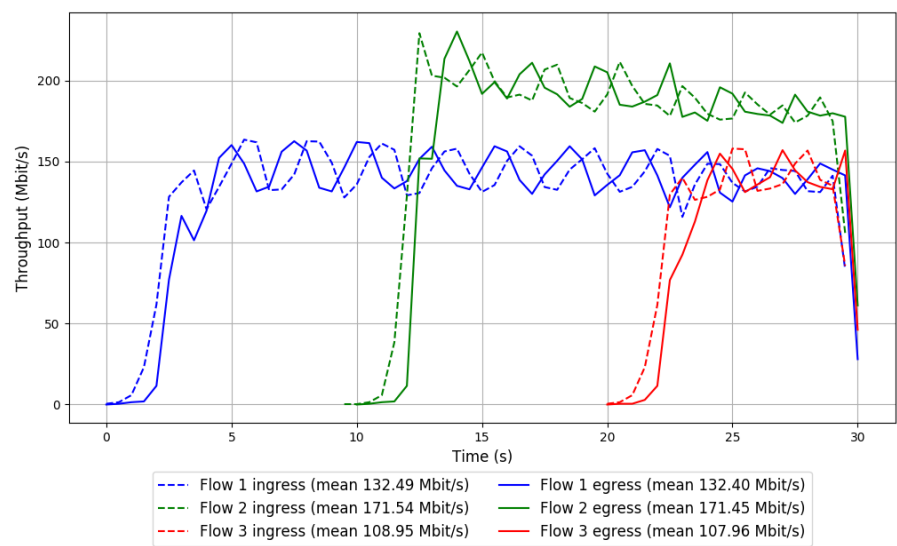


Run 9: Statistics of Indigo

Start at: 2018-07-26 08:09:39
End at: 2018-07-26 08:10:09
Local clock offset: -0.169 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.60 Mbit/s
95th percentile per-packet one-way delay: 141.839 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 132.40 Mbit/s
95th percentile per-packet one-way delay: 140.980 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 171.45 Mbit/s
95th percentile per-packet one-way delay: 141.674 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 107.96 Mbit/s
95th percentile per-packet one-way delay: 143.270 ms
Loss rate: 3.67%

Run 9: Report of Indigo — Data Link

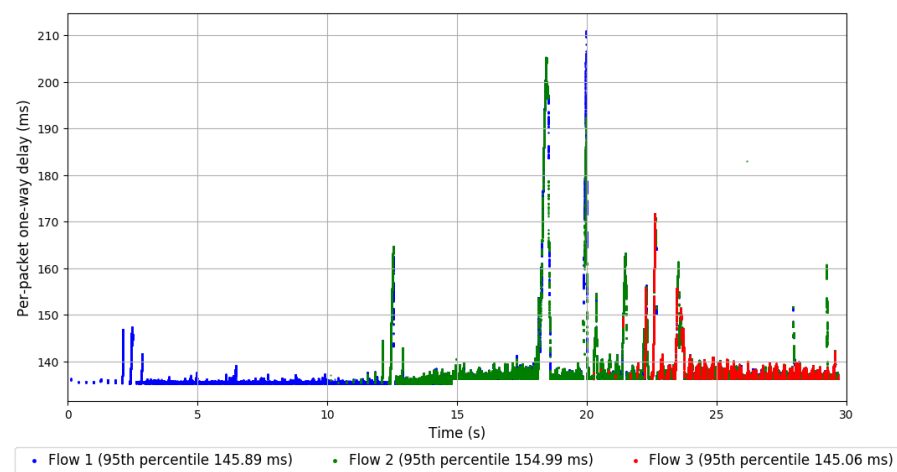
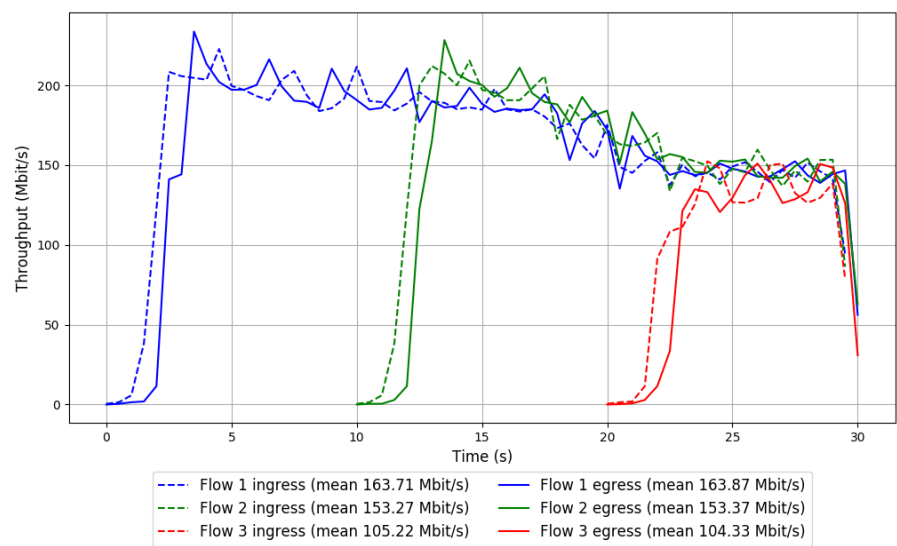


Run 10: Statistics of Indigo

Start at: 2018-07-26 08:36:16
End at: 2018-07-26 08:36:46
Local clock offset: -0.228 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.53 Mbit/s
95th percentile per-packet one-way delay: 148.839 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 163.87 Mbit/s
95th percentile per-packet one-way delay: 145.892 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 153.37 Mbit/s
95th percentile per-packet one-way delay: 154.987 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 104.33 Mbit/s
95th percentile per-packet one-way delay: 145.061 ms
Loss rate: 3.63%

Run 10: Report of Indigo — Data Link

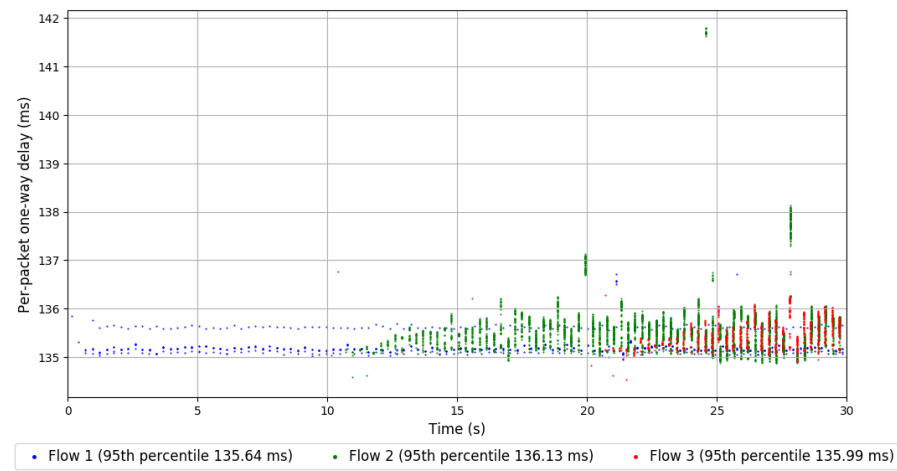
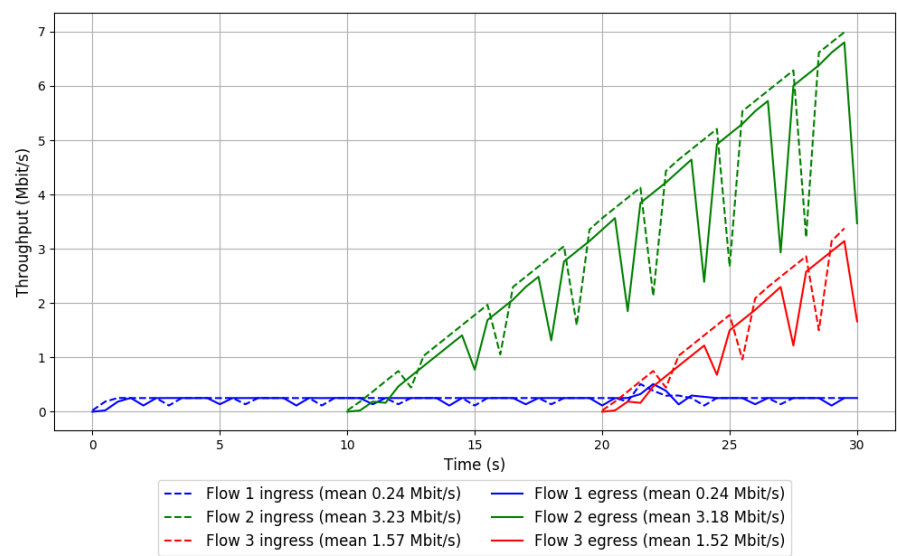


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-26 04:46:13
End at: 2018-07-26 04:46:43
Local clock offset: -0.106 ms
Remote clock offset: 0.359 ms

# Below is generated by plot.py at 2018-07-26 11:08:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 136.047 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 135.638 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 136.129 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 135.987 ms
Loss rate: 5.56%
```


Run 1: Report of LEDBAT — Data Link

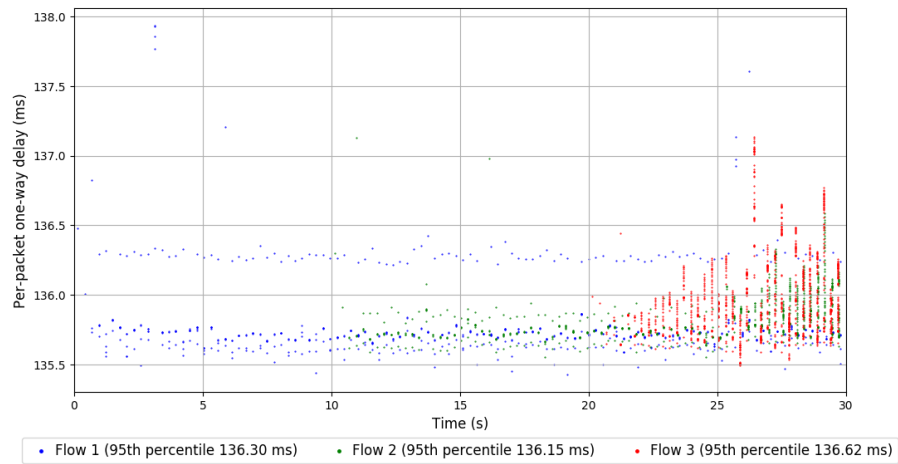
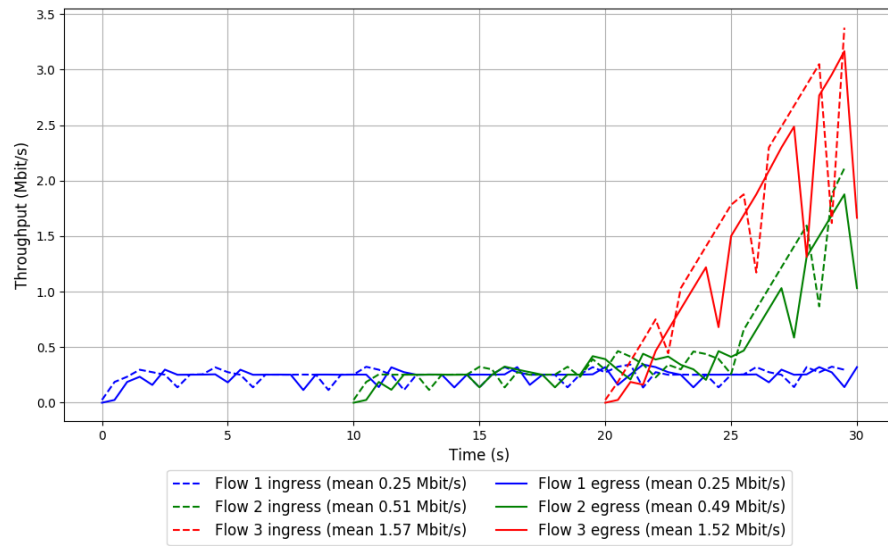


Run 2: Statistics of LEDBAT

Start at: 2018-07-26 05:13:31
End at: 2018-07-26 05:14:01
Local clock offset: -0.043 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 136.426 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 136.297 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 136.153 ms
Loss rate: 5.29%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 136.619 ms
Loss rate: 5.56%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-26 05:40:49

End at: 2018-07-26 05:41:19

Local clock offset: 0.063 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2018-07-26 11:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 137.279 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 137.375 ms

Loss rate: 1.84%

-- Flow 2:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 137.149 ms

Loss rate: 2.74%

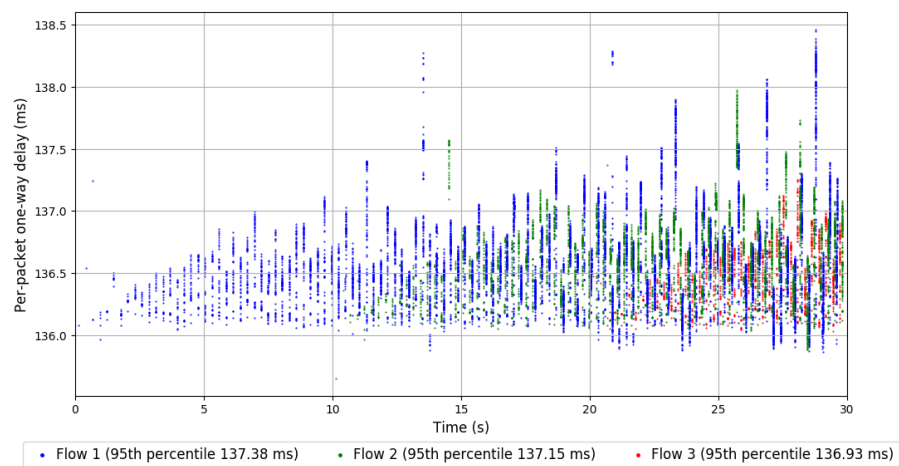
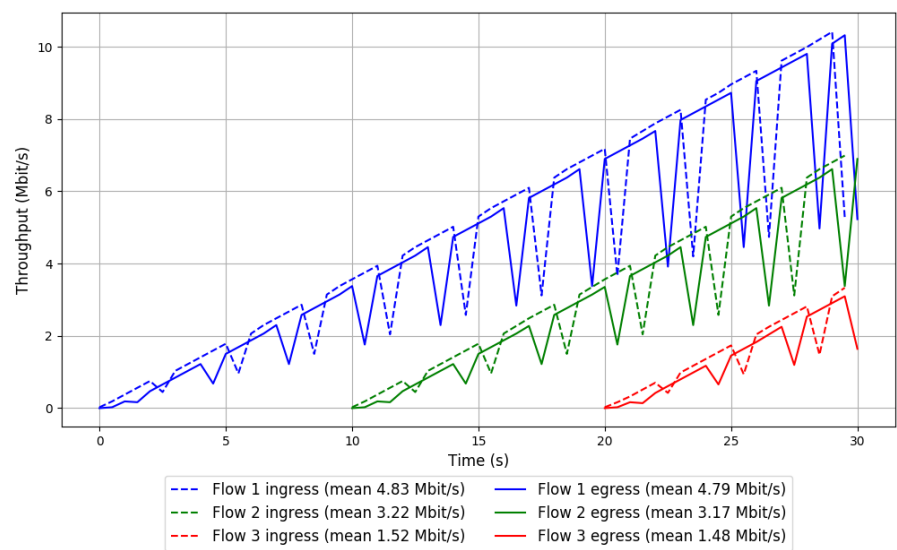
-- Flow 3:

Average throughput: 1.48 Mbit/s

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

Loss rate: 5.63%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-26 06:07:41

End at: 2018-07-26 06:08:11

Local clock offset: -0.063 ms

Remote clock offset: 0.446 ms

Below is generated by plot.py at 2018-07-26 11:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.25 Mbit/s

95th percentile per-packet one-way delay: 136.772 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 136.904 ms

Loss rate: 2.05%

-- Flow 2:

Average throughput: 3.19 Mbit/s

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

Loss rate: 2.74%

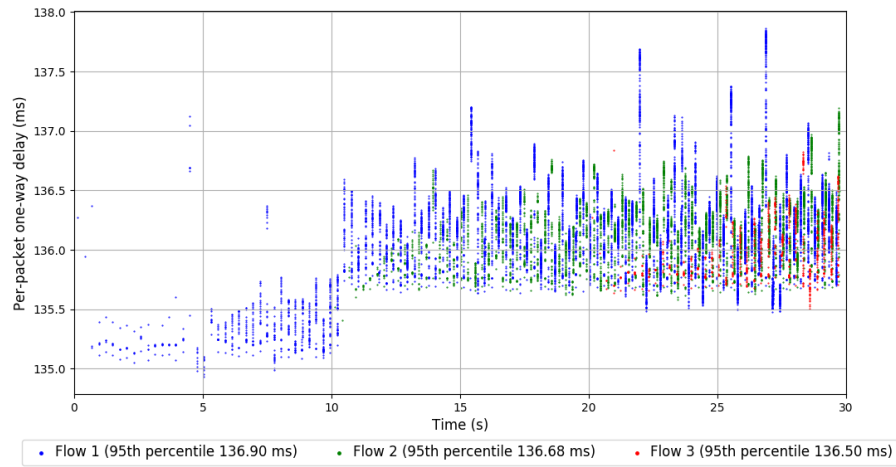
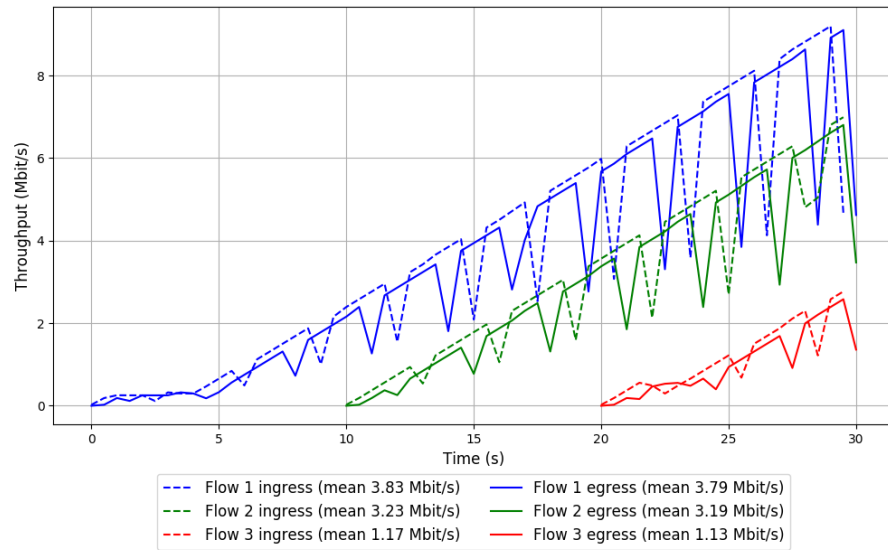
-- Flow 3:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 136.496 ms

Loss rate: 6.15%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-26 06:34:08

End at: 2018-07-26 06:34:38

Local clock offset: -0.019 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-26 11:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 136.713 ms

Loss rate: 2.61%

-- Flow 1:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 136.749 ms

Loss rate: 2.02%

-- Flow 2:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 136.469 ms

Loss rate: 3.54%

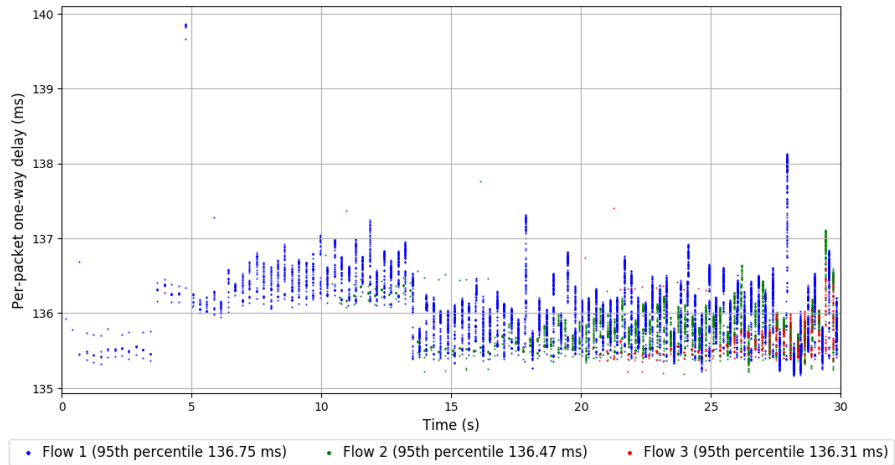
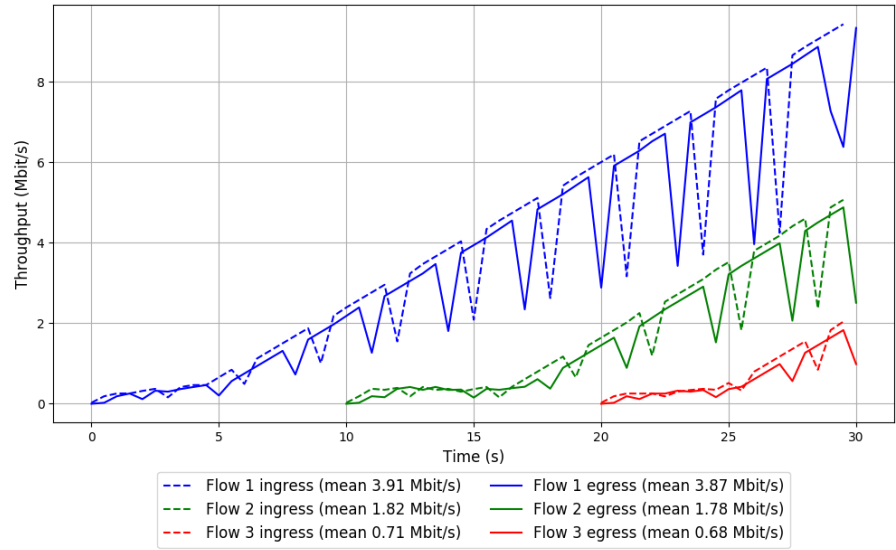
-- Flow 3:

Average throughput: 0.68 Mbit/s

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

Loss rate: 7.57%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-26 07:00:47

End at: 2018-07-26 07:01:17

Local clock offset: -0.138 ms

Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-07-26 11:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.01 Mbit/s

95th percentile per-packet one-way delay: 137.683 ms

Loss rate: 2.61%

-- Flow 1:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 137.784 ms

Loss rate: 2.01%

-- Flow 2:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 137.531 ms

Loss rate: 3.12%

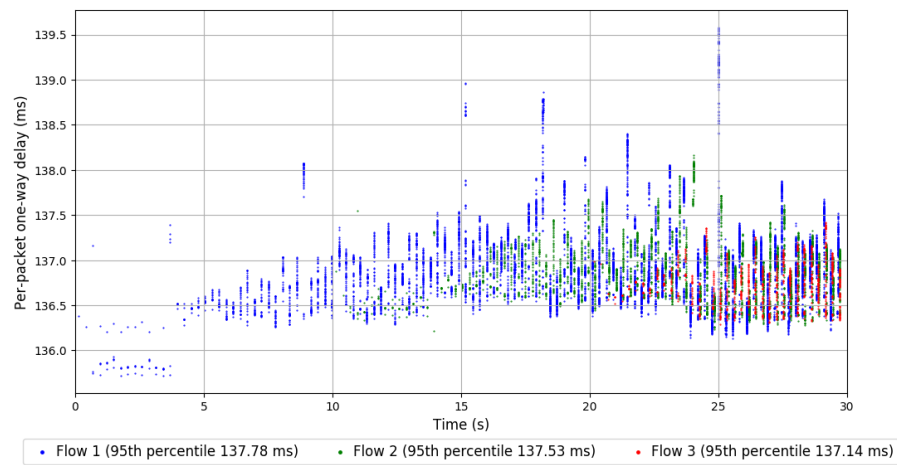
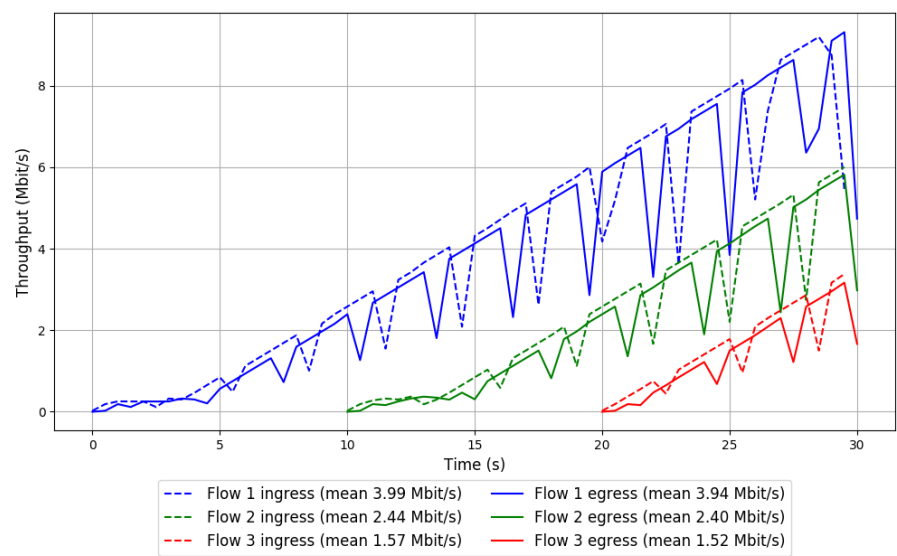
-- Flow 3:

Average throughput: 1.52 Mbit/s

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

Loss rate: 5.56%

Run 6: Report of LEDBAT — Data Link

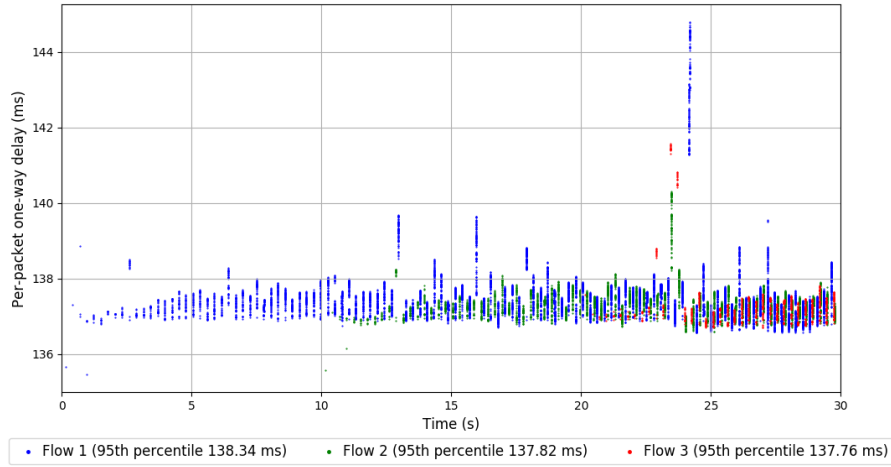
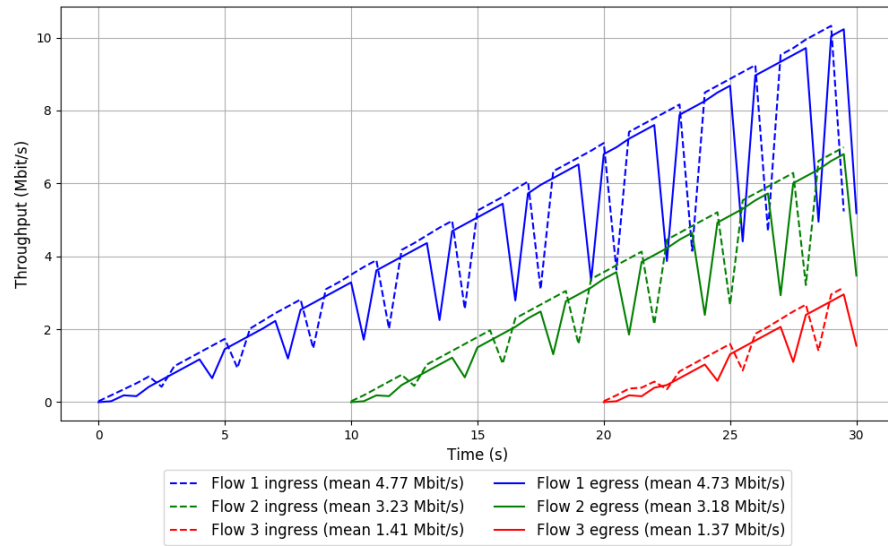


Run 7: Statistics of LEDBAT

Start at: 2018-07-26 07:27:27
End at: 2018-07-26 07:27:57
Local clock offset: 0.062 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 138.188 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 138.336 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 137.825 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 137.764 ms
Loss rate: 5.75%

Run 7: Report of LEDBAT — Data Link

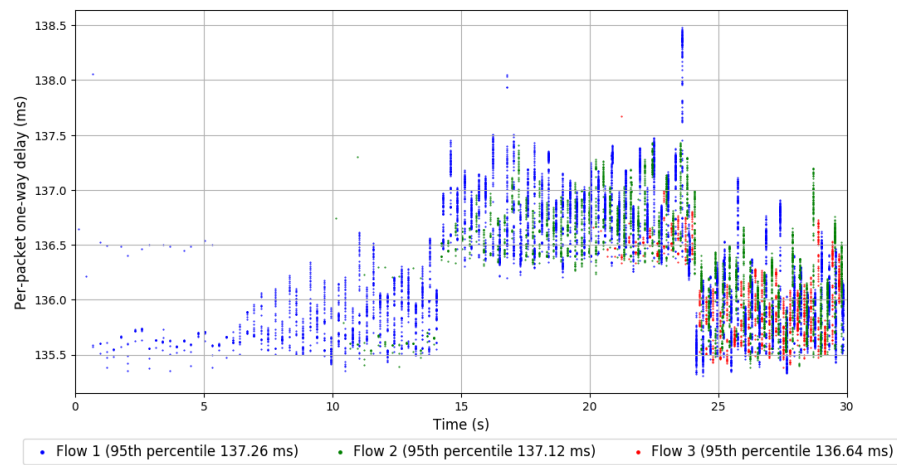
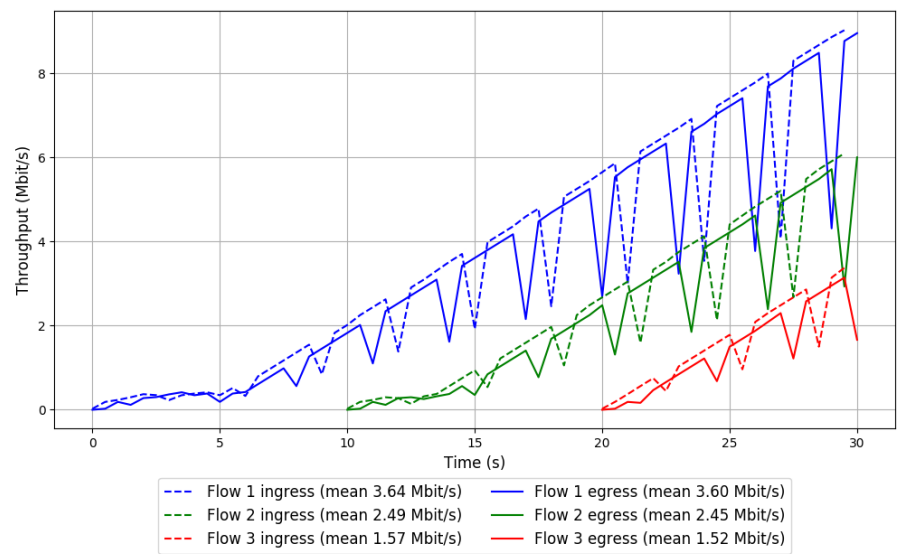


Run 8: Statistics of LEDBAT

Start at: 2018-07-26 07:54:07
End at: 2018-07-26 07:54:37
Local clock offset: -0.057 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 137.204 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 137.261 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 137.122 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 136.642 ms
Loss rate: 5.56%

Run 8: Report of LEDBAT — Data Link

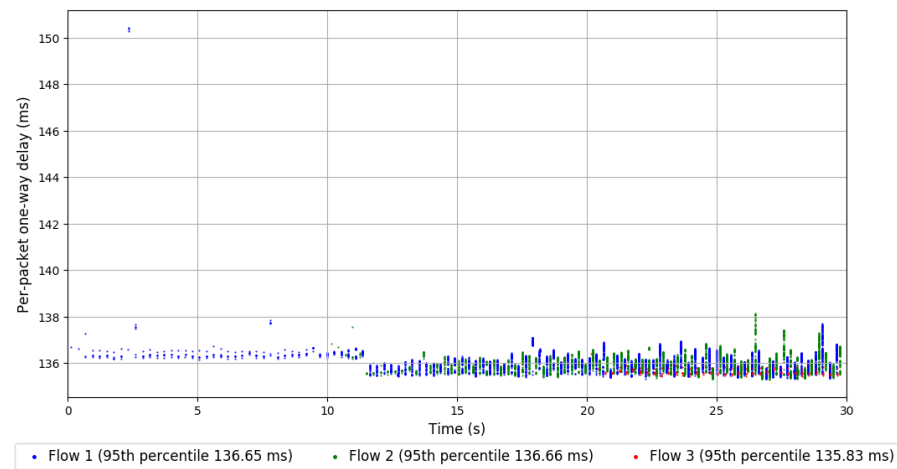
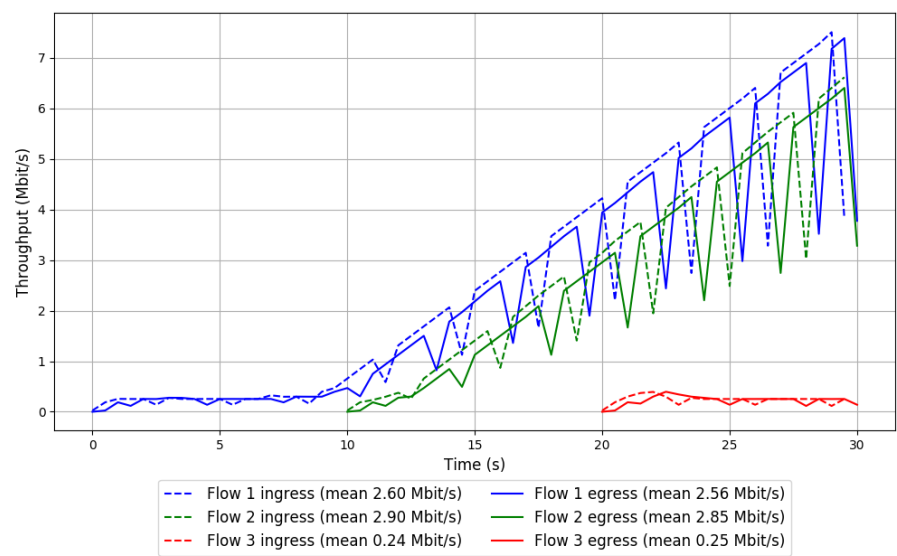


Run 9: Statistics of LEDBAT

Start at: 2018-07-26 08:21:00
End at: 2018-07-26 08:21:30
Local clock offset: 0.088 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-26 11:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 2.47%
-- Flow 2:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 136.662 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 135.826 ms
Loss rate: 2.41%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-26 08:47:28

End at: 2018-07-26 08:47:58

Local clock offset: -0.018 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at 2018-07-26 11:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 136.690 ms

Loss rate: 2.25%

-- Flow 1:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 136.758 ms

Loss rate: 1.82%

-- Flow 2:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 136.260 ms

Loss rate: 2.74%

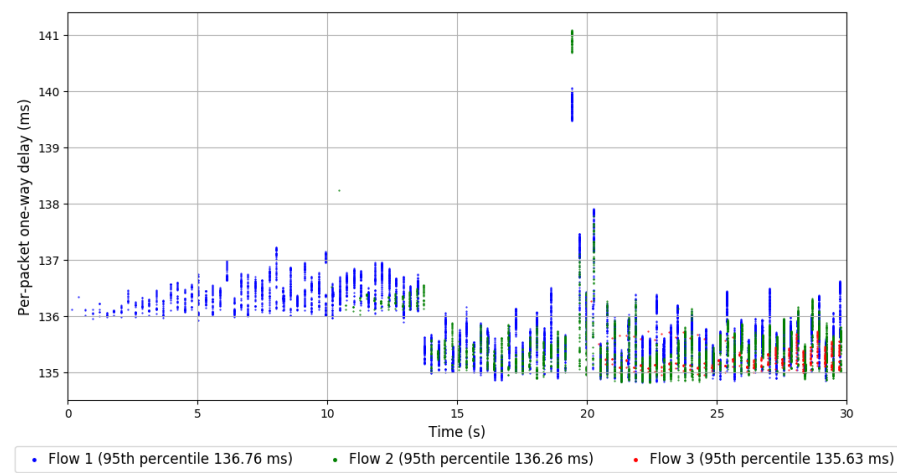
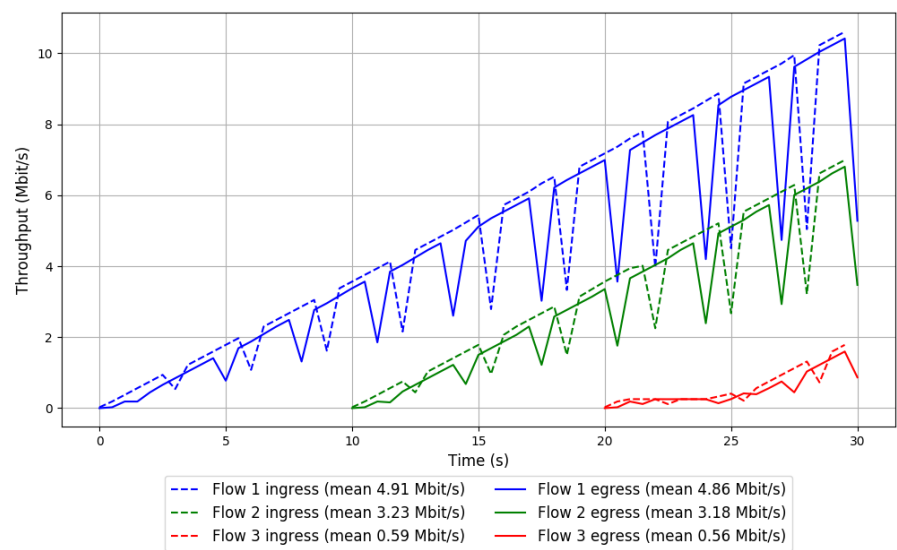
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 135.629 ms

Loss rate: 7.89%

Run 10: Report of LEDBAT — Data Link

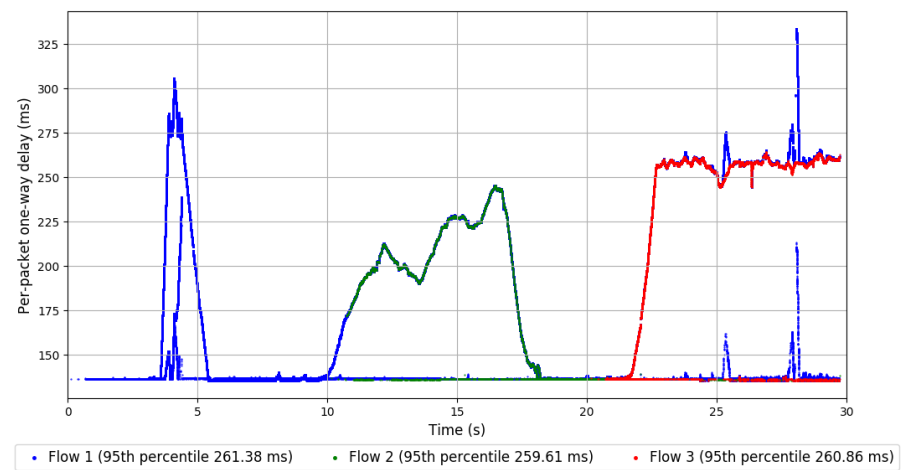
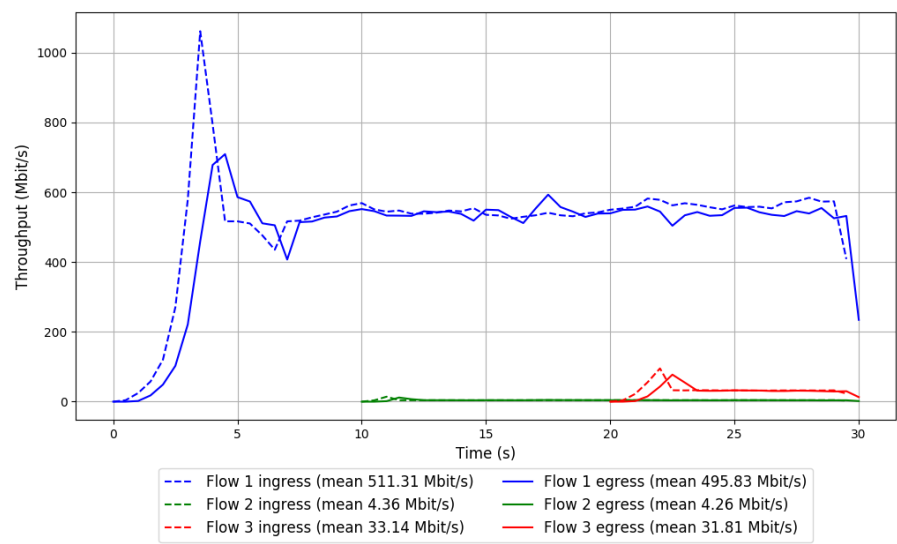


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-26 04:59:07
End at: 2018-07-26 04:59:37
Local clock offset: -0.127 ms
Remote clock offset: -0.354 ms

# Below is generated by plot.py at 2018-07-26 11:08:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 508.90 Mbit/s
95th percentile per-packet one-way delay: 261.336 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 495.83 Mbit/s
95th percentile per-packet one-way delay: 261.375 ms
Loss rate: 3.91%
-- Flow 2:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 259.607 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 260.855 ms
Loss rate: 6.66%
```

Run 1: Report of PCC-Allegro — Data Link

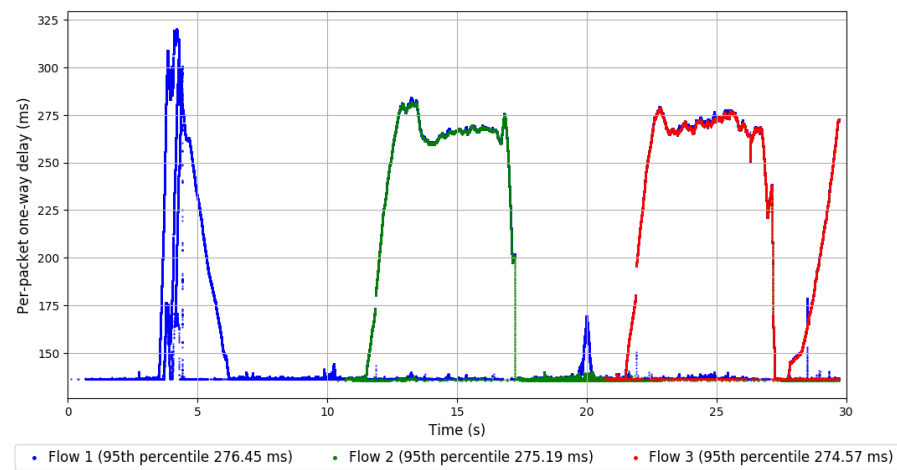
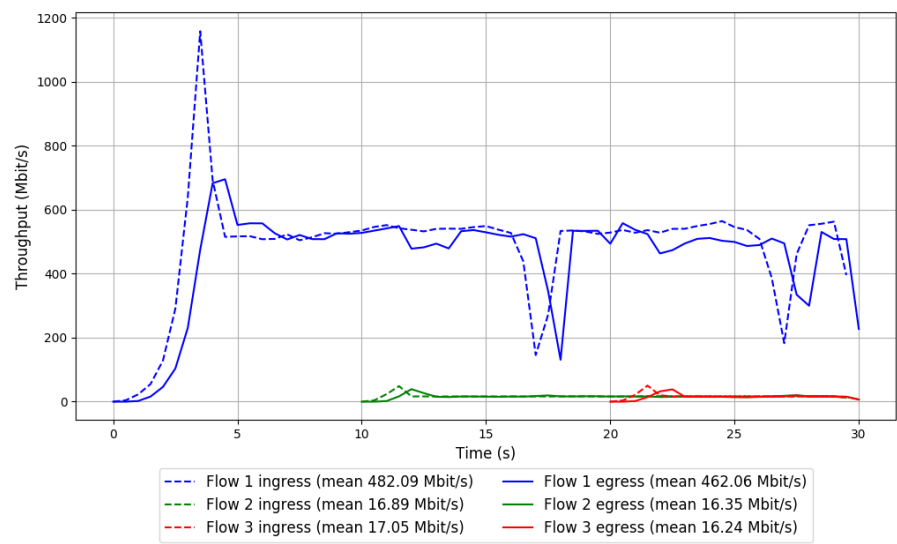


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-26 05:26:27
End at: 2018-07-26 05:26:57
Local clock offset: 0.207 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-26 11:09:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.12 Mbit/s
95th percentile per-packet one-way delay: 276.364 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 462.06 Mbit/s
95th percentile per-packet one-way delay: 276.450 ms
Loss rate: 5.03%
-- Flow 2:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 275.195 ms
Loss rate: 4.47%
-- Flow 3:
Average throughput: 16.24 Mbit/s
95th percentile per-packet one-way delay: 274.574 ms
Loss rate: 7.37%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-26 05:53:26

End at: 2018-07-26 05:53:56

Local clock offset: -0.14 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-26 11:10:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.41 Mbit/s

95th percentile per-packet one-way delay: 264.867 ms

Loss rate: 3.24%

-- Flow 1:

Average throughput: 466.07 Mbit/s

95th percentile per-packet one-way delay: 264.823 ms

Loss rate: 3.12%

-- Flow 2:

Average throughput: 18.77 Mbit/s

95th percentile per-packet one-way delay: 263.916 ms

Loss rate: 2.86%

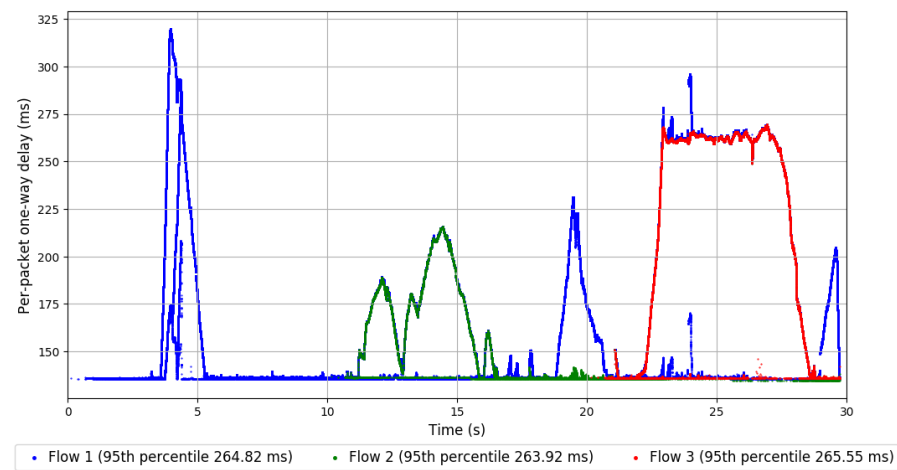
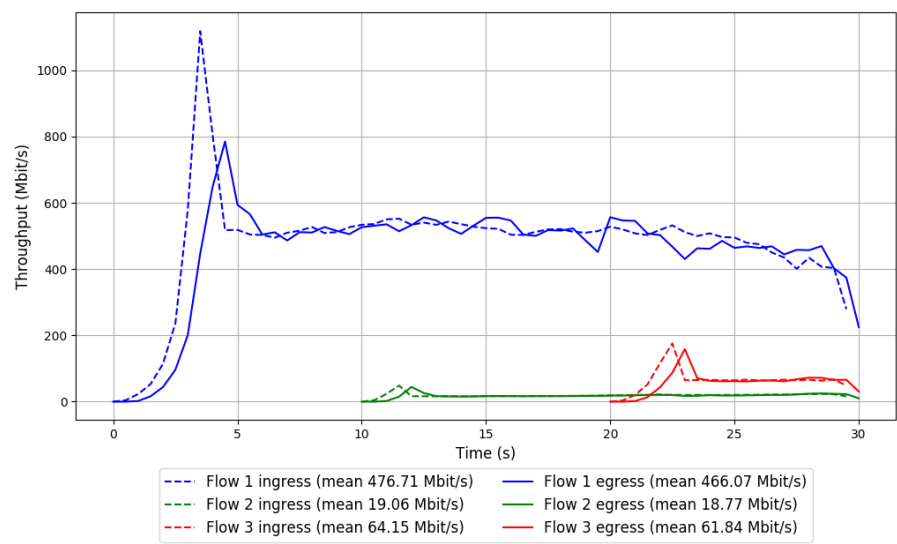
-- Flow 3:

Average throughput: 61.84 Mbit/s

95th percentile per-packet one-way delay: 265.551 ms

Loss rate: 6.21%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-26 06:20:10

End at: 2018-07-26 06:20:40

Local clock offset: 0.173 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-07-26 11:10:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.32 Mbit/s

95th percentile per-packet one-way delay: 264.787 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 484.66 Mbit/s

95th percentile per-packet one-way delay: 264.787 ms

Loss rate: 2.59%

-- Flow 2:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 261.077 ms

Loss rate: 1.78%

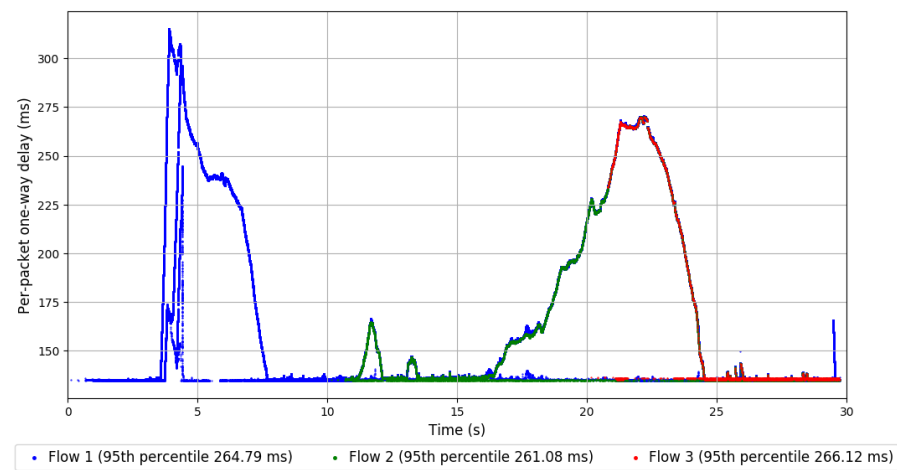
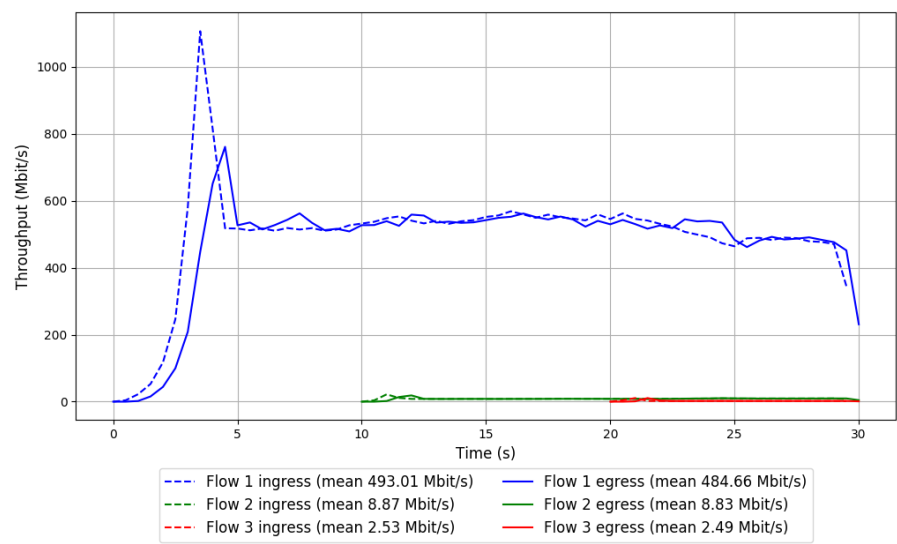
-- Flow 3:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 266.121 ms

Loss rate: 4.14%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-26 06:46:58

End at: 2018-07-26 06:47:28

Local clock offset: -0.107 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2018-07-26 11:10:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 489.71 Mbit/s

95th percentile per-packet one-way delay: 261.054 ms

Loss rate: 3.78%

-- Flow 1:

Average throughput: 467.10 Mbit/s

95th percentile per-packet one-way delay: 261.143 ms

Loss rate: 3.67%

-- Flow 2:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 258.370 ms

Loss rate: 3.27%

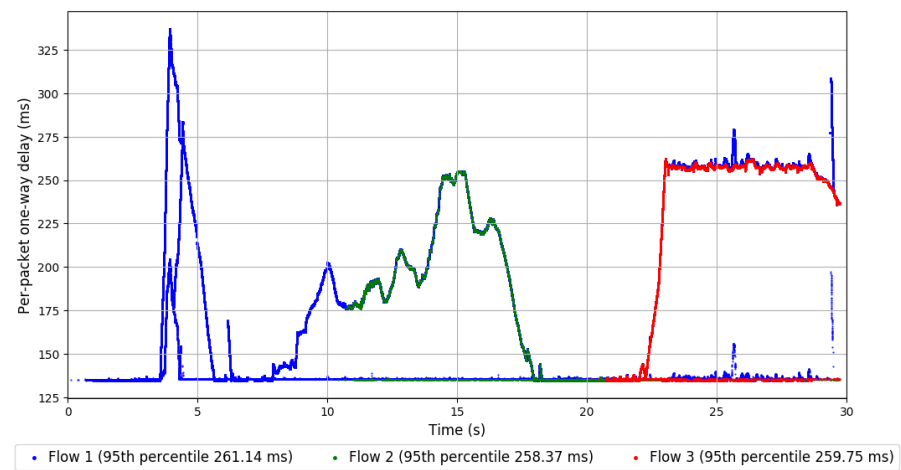
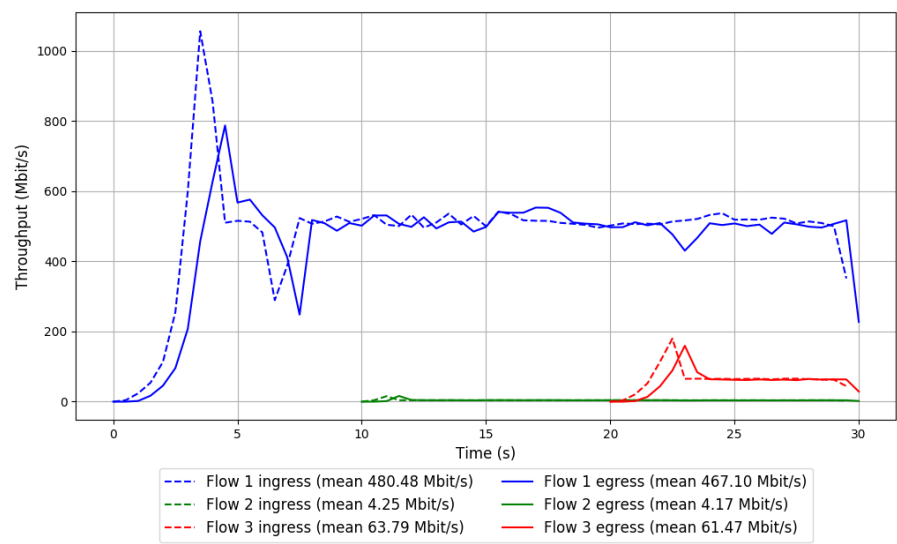
-- Flow 3:

Average throughput: 61.47 Mbit/s

95th percentile per-packet one-way delay: 259.755 ms

Loss rate: 6.33%

Run 5: Report of PCC-Allegro — Data Link

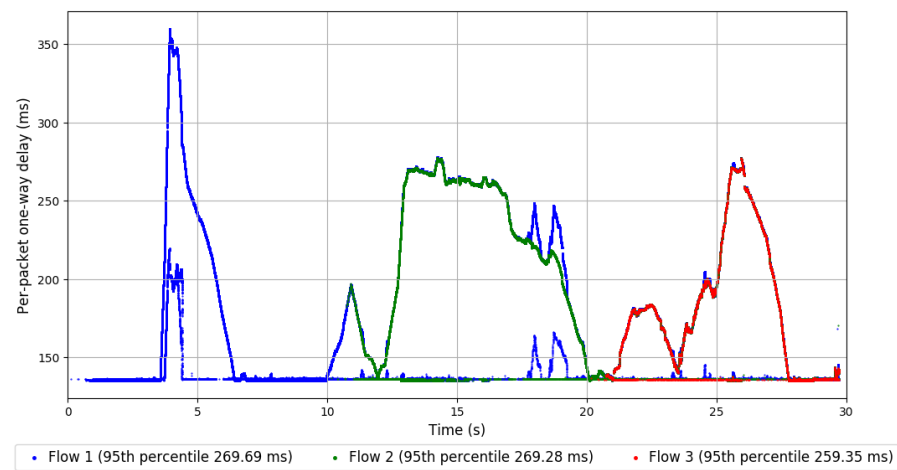
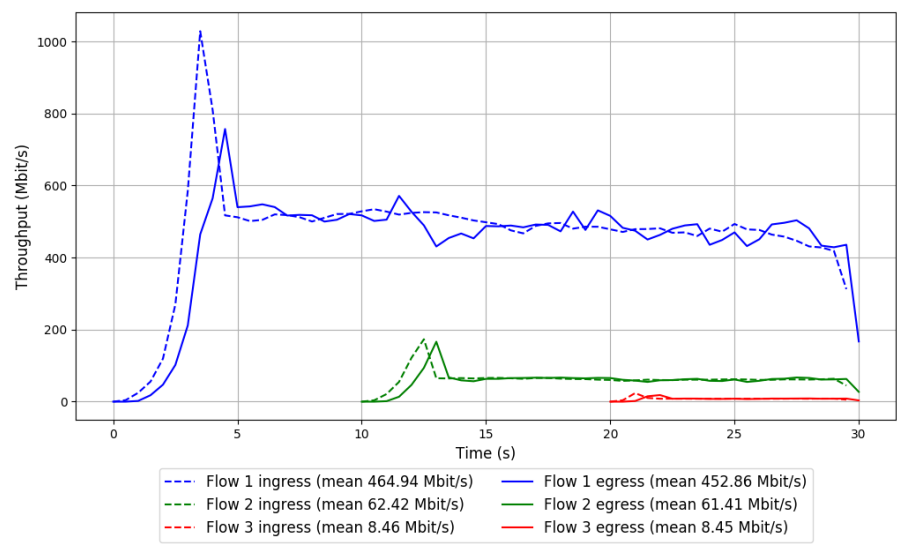


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-26 07:13:12
End at: 2018-07-26 07:13:42
Local clock offset: 0.084 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-26 11:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.23 Mbit/s
95th percentile per-packet one-way delay: 269.605 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 452.86 Mbit/s
95th percentile per-packet one-way delay: 269.686 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 269.282 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 259.352 ms
Loss rate: 2.96%

Run 6: Report of PCC-Allegro — Data Link

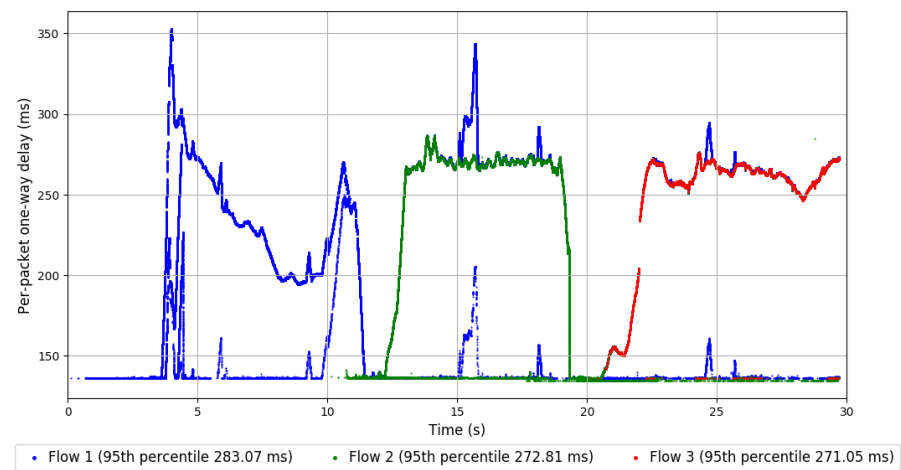
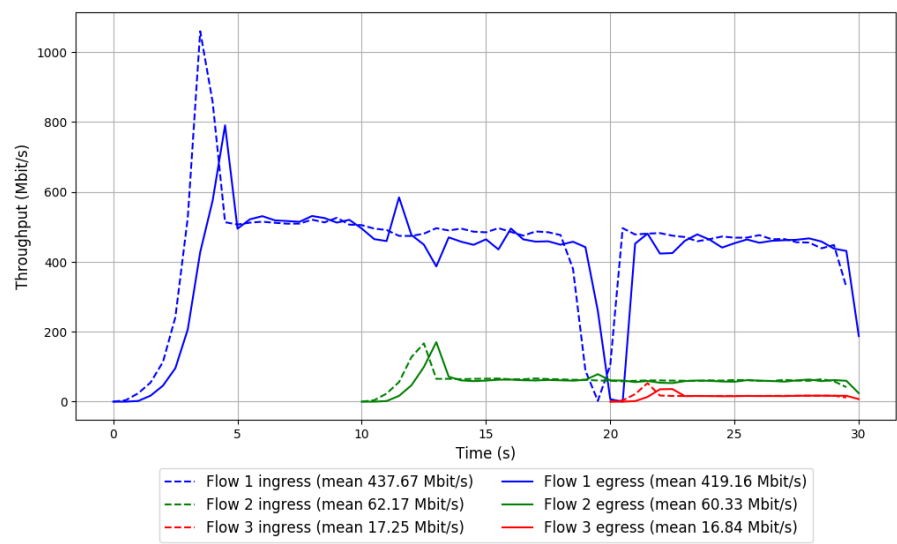


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-26 07:39:43
End at: 2018-07-26 07:40:13
Local clock offset: -0.108 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-26 11:16:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 464.51 Mbit/s
95th percentile per-packet one-way delay: 281.592 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 419.16 Mbit/s
95th percentile per-packet one-way delay: 283.066 ms
Loss rate: 5.10%
-- Flow 2:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 272.814 ms
Loss rate: 4.30%
-- Flow 3:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 271.052 ms
Loss rate: 5.05%

Run 7: Report of PCC-Allegro — Data Link

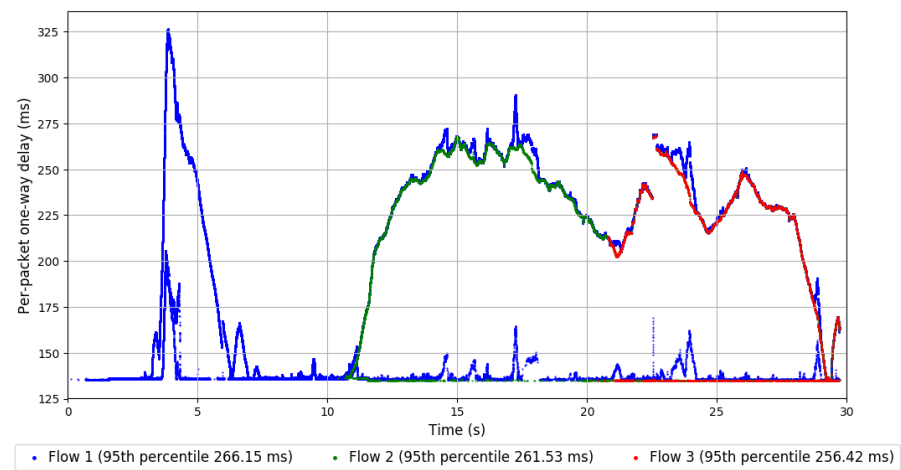
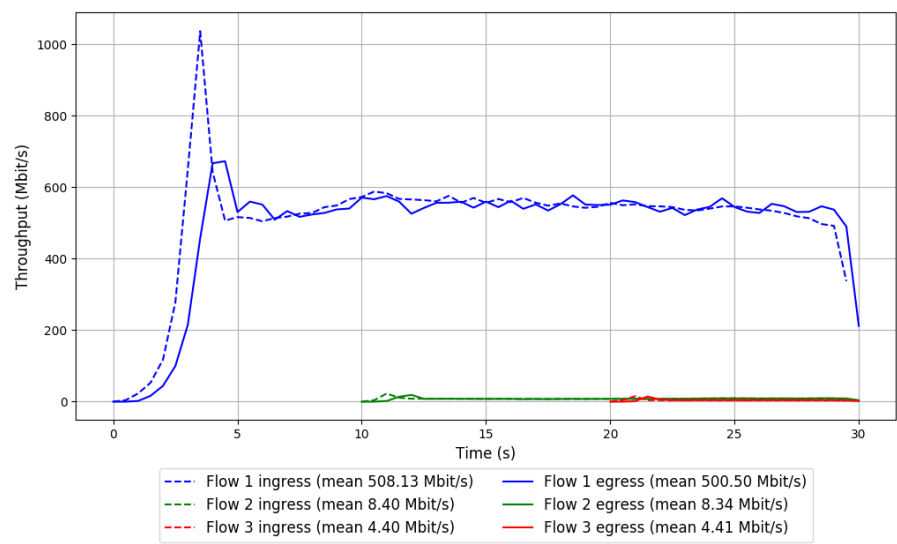


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-26 08:06:40
End at: 2018-07-26 08:07:10
Local clock offset: -0.074 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-26 11:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.40 Mbit/s
95th percentile per-packet one-way delay: 266.075 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 500.50 Mbit/s
95th percentile per-packet one-way delay: 266.147 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 261.530 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 256.417 ms
Loss rate: 2.57%

Run 8: Report of PCC-Allegro — Data Link

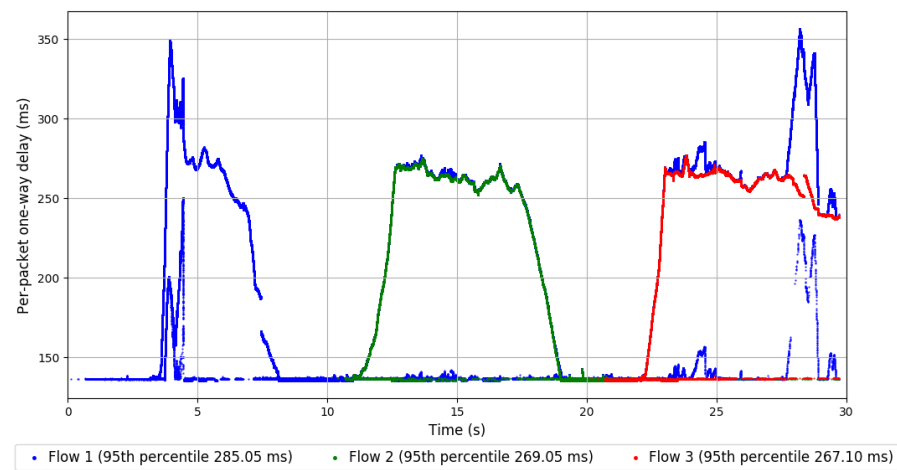
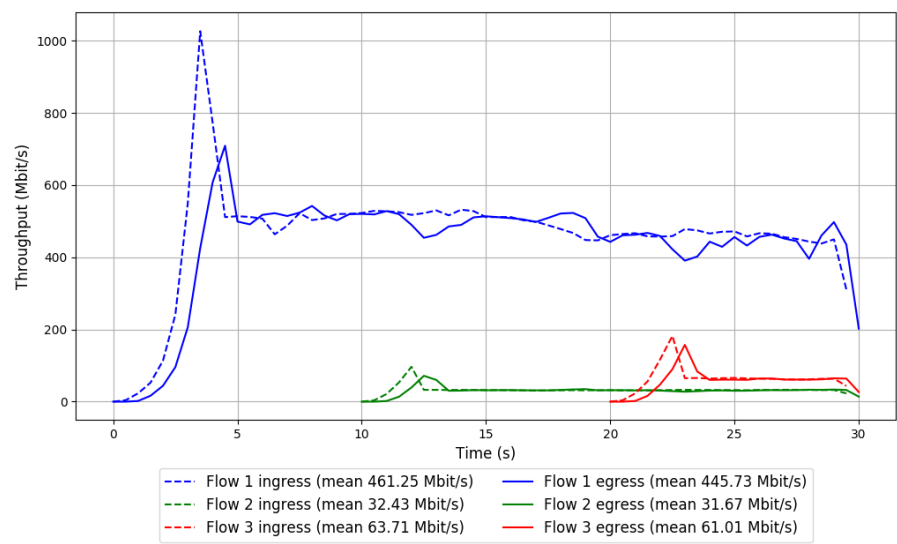


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-26 08:33:18
End at: 2018-07-26 08:33:48
Local clock offset: -0.025 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-26 11:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 486.40 Mbit/s
95th percentile per-packet one-way delay: 281.644 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 445.73 Mbit/s
95th percentile per-packet one-way delay: 285.050 ms
Loss rate: 4.25%
-- Flow 2:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 269.048 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 267.102 ms
Loss rate: 6.90%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-26 08:59:34

End at: 2018-07-26 09:00:04

Local clock offset: 0.181 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-07-26 11:19:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 467.12 Mbit/s

95th percentile per-packet one-way delay: 303.021 ms

Loss rate: 5.90%

-- Flow 1:

Average throughput: 437.94 Mbit/s

95th percentile per-packet one-way delay: 302.854 ms

Loss rate: 5.58%

-- Flow 2:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 303.131 ms

Loss rate: 6.54%

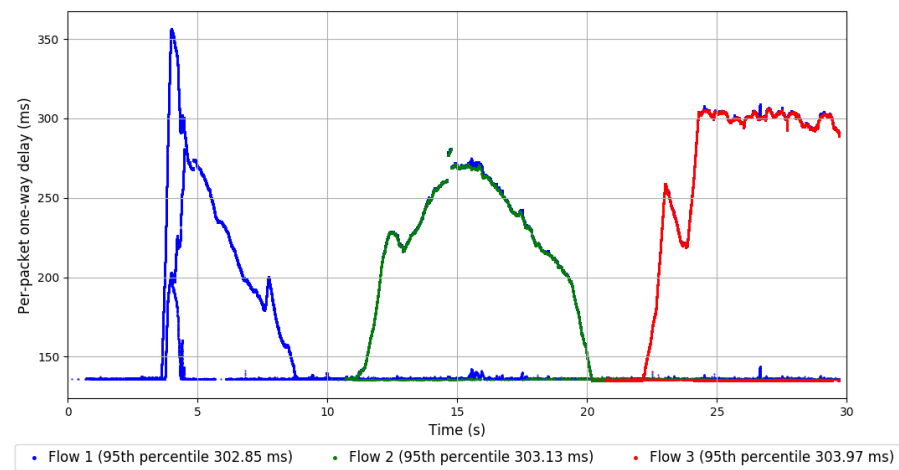
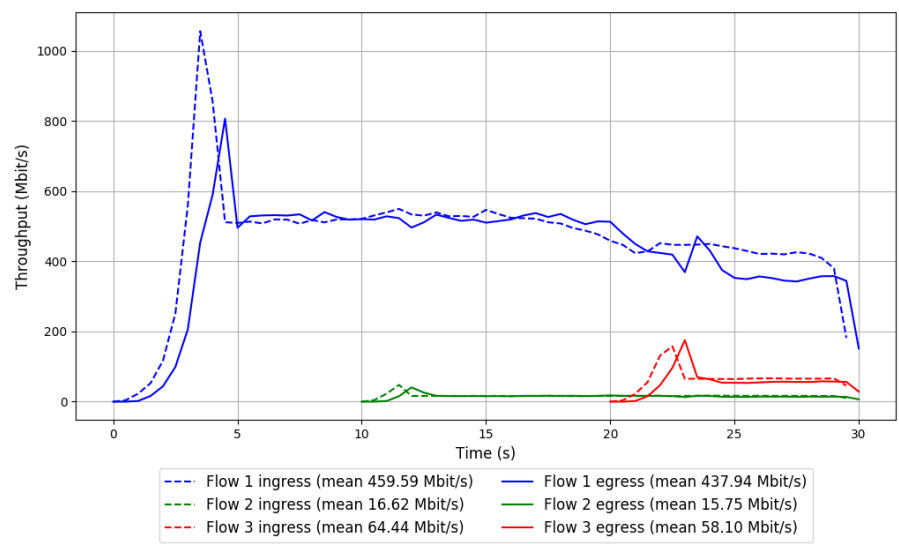
-- Flow 3:

Average throughput: 58.10 Mbit/s

95th percentile per-packet one-way delay: 303.970 ms

Loss rate: 12.33%

Run 10: Report of PCC-Allegro — Data Link

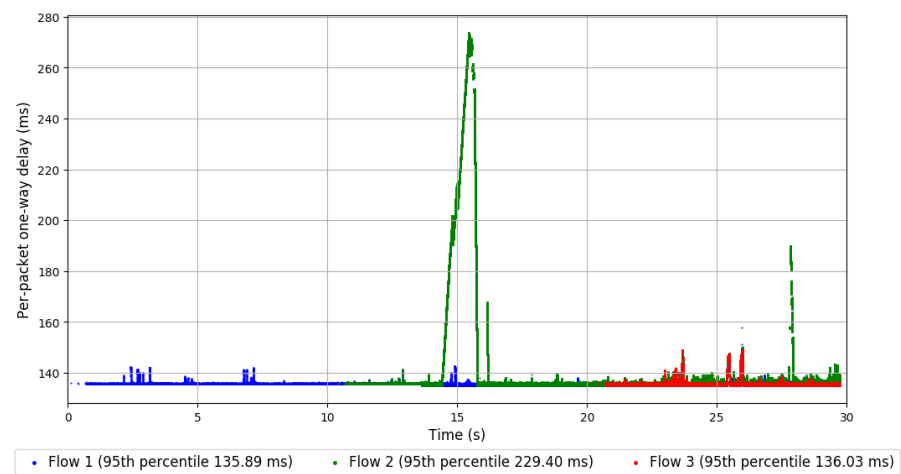
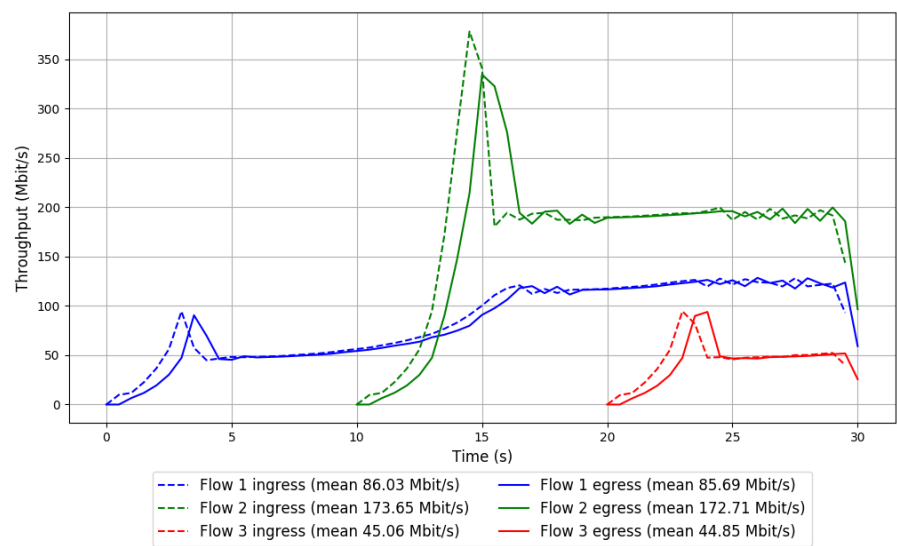


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-26 04:42:47
End at: 2018-07-26 04:43:17
Local clock offset: -0.183 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-07-26 11:19:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.56 Mbit/s
95th percentile per-packet one-way delay: 192.126 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 135.891 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 172.71 Mbit/s
95th percentile per-packet one-way delay: 229.396 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 136.027 ms
Loss rate: 3.24%
```


Run 1: Report of PCC-Expr — Data Link

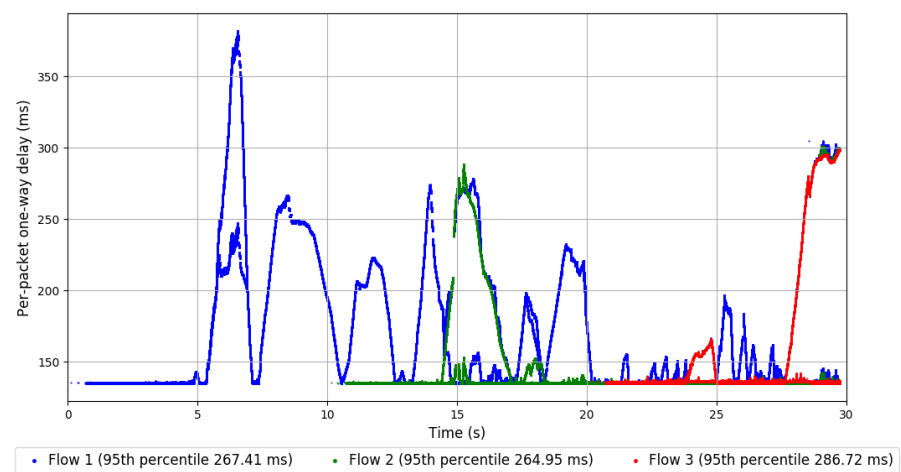
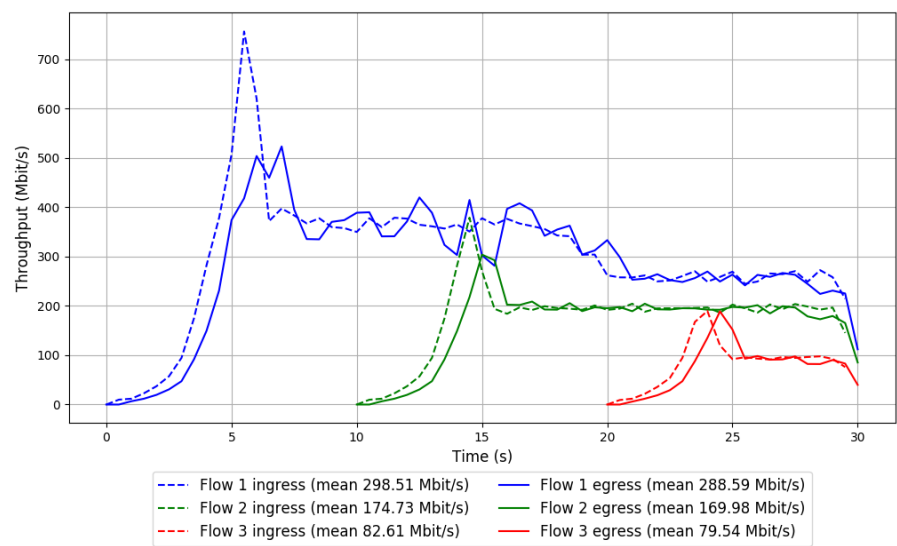


Run 2: Statistics of PCC-Expr

Start at: 2018-07-26 05:09:53
End at: 2018-07-26 05:10:23
Local clock offset: 0.067 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-26 11:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.89 Mbit/s
95th percentile per-packet one-way delay: 267.384 ms
Loss rate: 4.30%
-- Flow 1:
Average throughput: 288.59 Mbit/s
95th percentile per-packet one-way delay: 267.408 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 169.98 Mbit/s
95th percentile per-packet one-way delay: 264.953 ms
Loss rate: 4.05%
-- Flow 3:
Average throughput: 79.54 Mbit/s
95th percentile per-packet one-way delay: 286.723 ms
Loss rate: 6.38%

Run 2: Report of PCC-Expr — Data Link

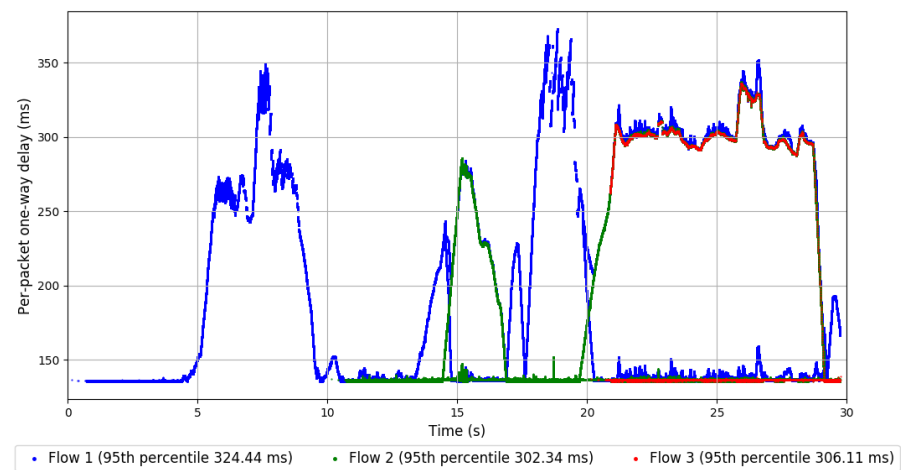
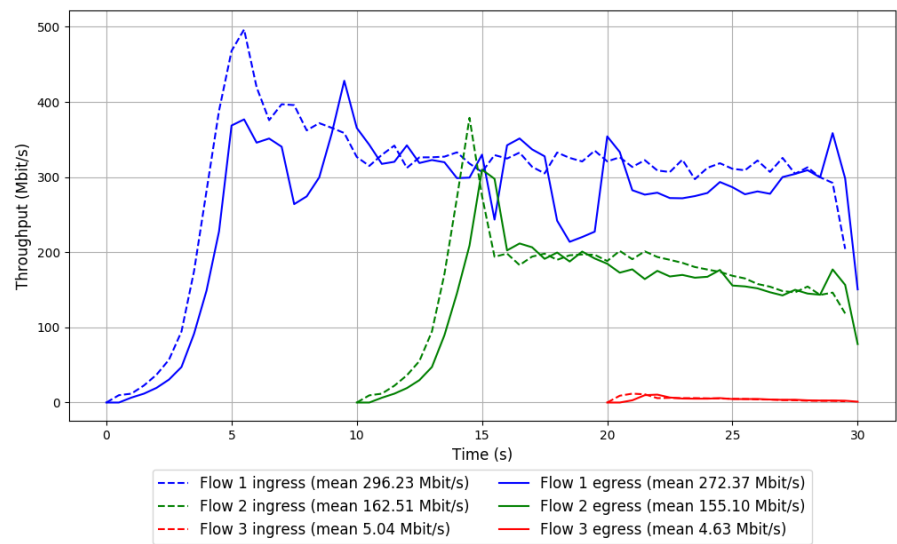


Run 3: Statistics of PCC-Expr

Start at: 2018-07-26 05:37:16
End at: 2018-07-26 05:37:46
Local clock offset: 0.066 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-07-26 11:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.50 Mbit/s
95th percentile per-packet one-way delay: 313.298 ms
Loss rate: 8.10%
-- Flow 1:
Average throughput: 272.37 Mbit/s
95th percentile per-packet one-way delay: 324.440 ms
Loss rate: 8.90%
-- Flow 2:
Average throughput: 155.10 Mbit/s
95th percentile per-packet one-way delay: 302.341 ms
Loss rate: 5.87%
-- Flow 3:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 306.108 ms
Loss rate: 10.76%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-26 06:04:12

End at: 2018-07-26 06:04:42

Local clock offset: 0.153 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-26 11:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.12 Mbit/s

95th percentile per-packet one-way delay: 212.228 ms

Loss rate: 2.55%

-- Flow 1:

Average throughput: 181.30 Mbit/s

95th percentile per-packet one-way delay: 190.998 ms

Loss rate: 1.56%

-- Flow 2:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 209.526 ms

Loss rate: 2.52%

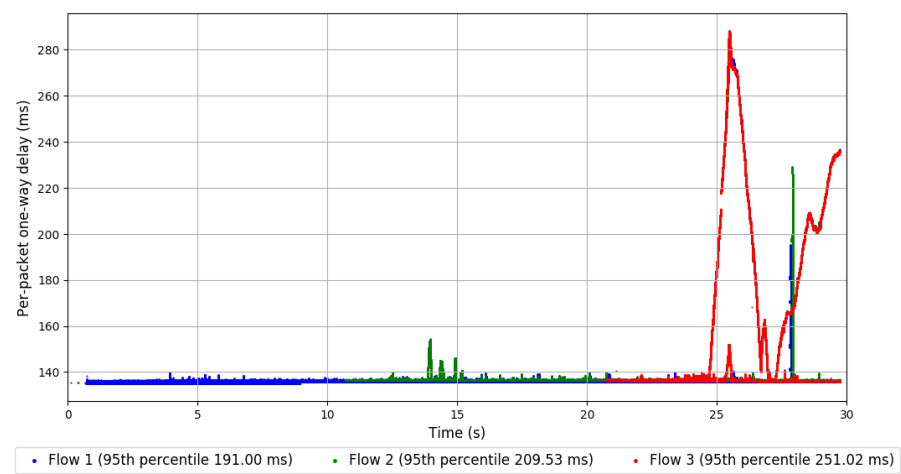
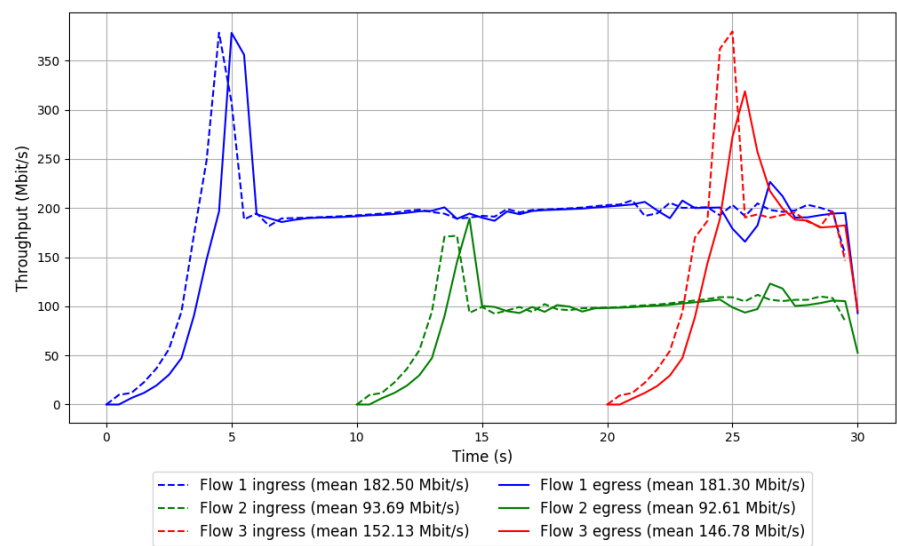
-- Flow 3:

Average throughput: 146.78 Mbit/s

95th percentile per-packet one-way delay: 251.017 ms

Loss rate: 6.20%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-26 06:30:44

End at: 2018-07-26 06:31:14

Local clock offset: 0.108 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-26 11:30:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.54 Mbit/s

95th percentile per-packet one-way delay: 249.448 ms

Loss rate: 3.70%

-- Flow 1:

Average throughput: 265.83 Mbit/s

95th percentile per-packet one-way delay: 258.248 ms

Loss rate: 3.76%

-- Flow 2:

Average throughput: 19.13 Mbit/s

95th percentile per-packet one-way delay: 157.258 ms

Loss rate: 2.57%

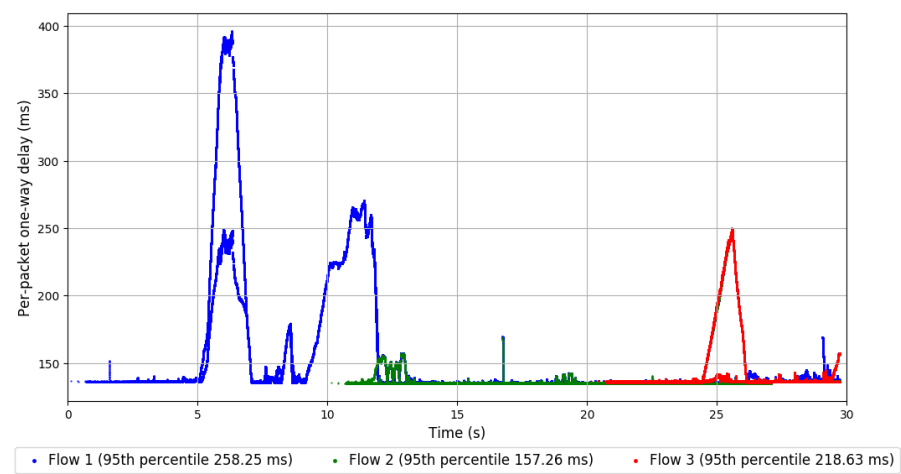
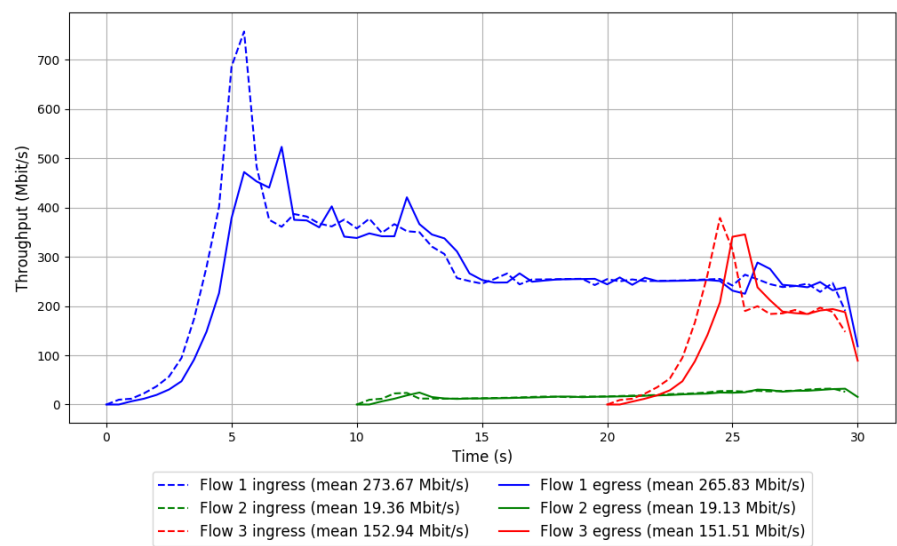
-- Flow 3:

Average throughput: 151.51 Mbit/s

95th percentile per-packet one-way delay: 218.629 ms

Loss rate: 3.69%

Run 5: Report of PCC-Expr — Data Link

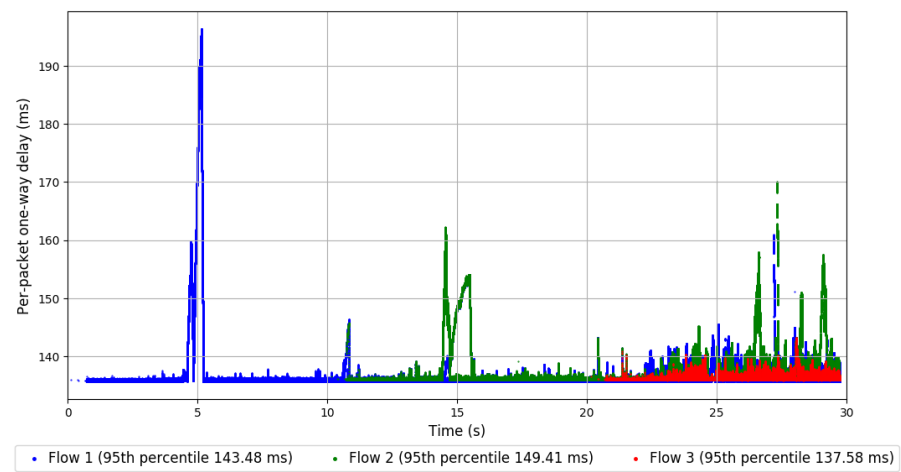
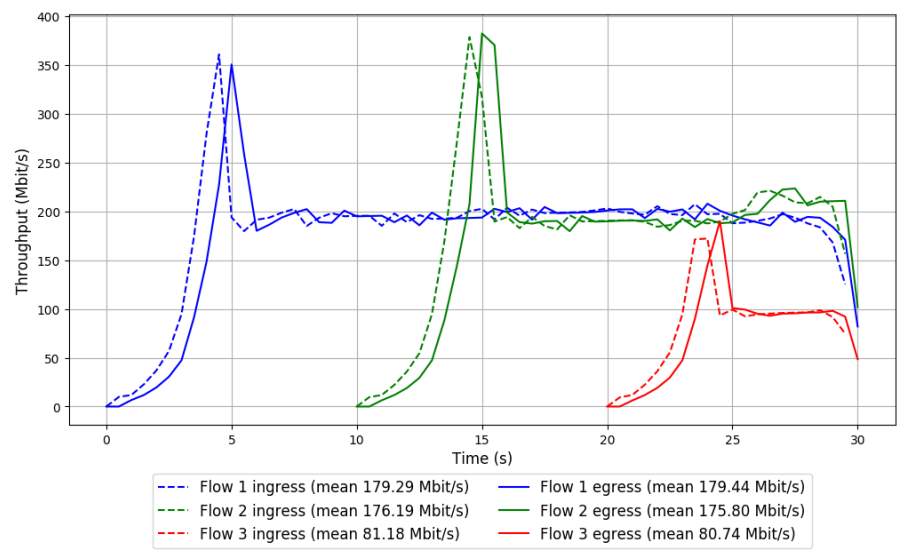


Run 6: Statistics of PCC-Expr

Start at: 2018-07-26 06:57:18
End at: 2018-07-26 06:57:48
Local clock offset: 0.035 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-26 11:31:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.94 Mbit/s
95th percentile per-packet one-way delay: 146.813 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 179.44 Mbit/s
95th percentile per-packet one-way delay: 143.481 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 175.80 Mbit/s
95th percentile per-packet one-way delay: 149.405 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 137.580 ms
Loss rate: 3.29%

Run 6: Report of PCC-Expr — Data Link

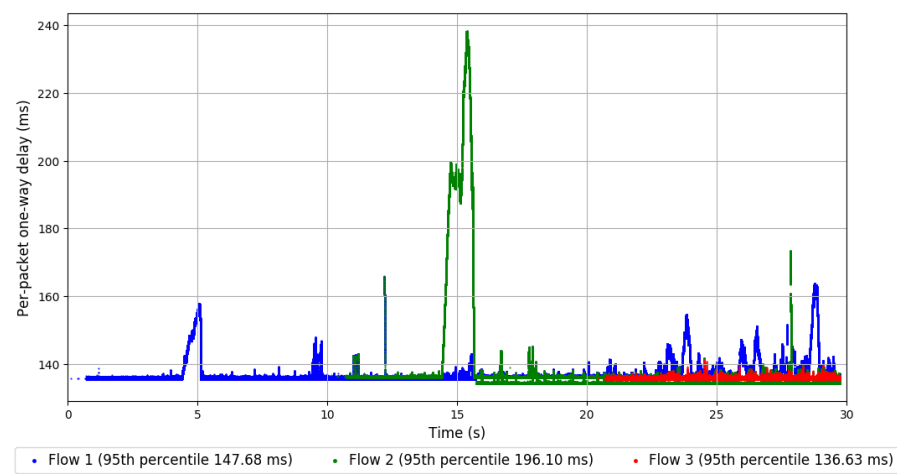
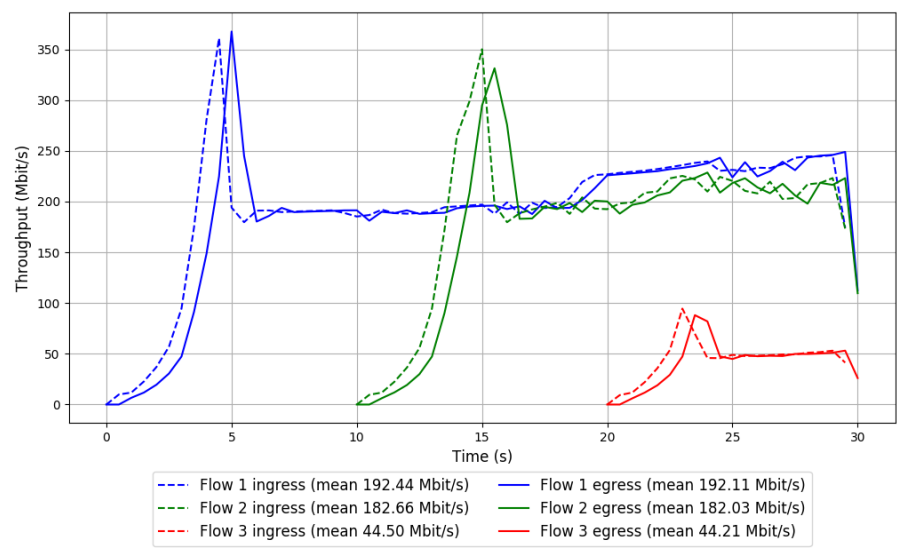


Run 7: Statistics of PCC-Expr

Start at: 2018-07-26 07:23:55
End at: 2018-07-26 07:24:25
Local clock offset: -0.198 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-26 11:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.93 Mbit/s
95th percentile per-packet one-way delay: 154.048 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 192.11 Mbit/s
95th percentile per-packet one-way delay: 147.681 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 182.03 Mbit/s
95th percentile per-packet one-way delay: 196.101 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 136.628 ms
Loss rate: 3.39%

Run 7: Report of PCC-Expr — Data Link

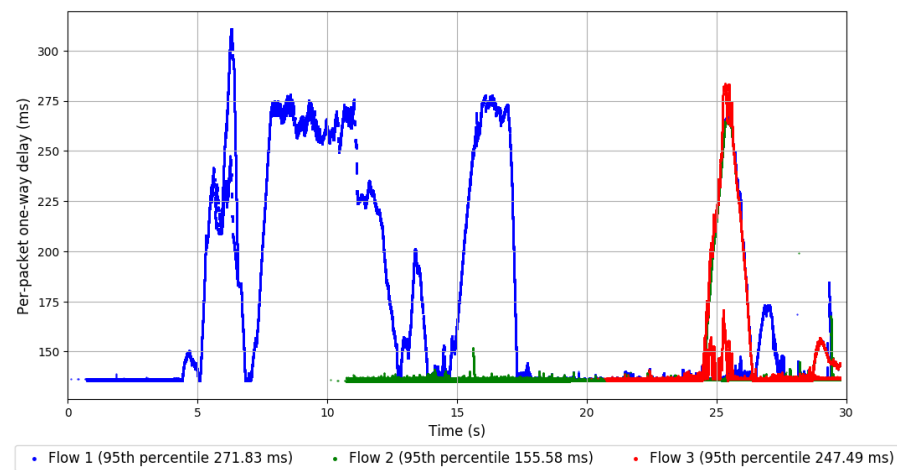
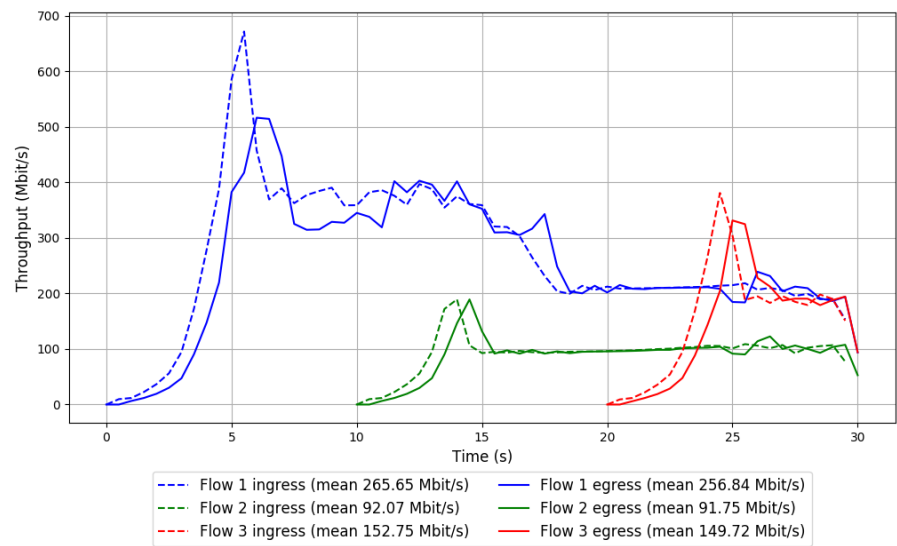


Run 8: Statistics of PCC-Expr

Start at: 2018-07-26 07:50:32
End at: 2018-07-26 07:51:02
Local clock offset: -0.067 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-07-26 11:35:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.05 Mbit/s
95th percentile per-packet one-way delay: 270.616 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 256.84 Mbit/s
95th percentile per-packet one-way delay: 271.832 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 155.578 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 149.72 Mbit/s
95th percentile per-packet one-way delay: 247.492 ms
Loss rate: 4.70%

Run 8: Report of PCC-Expr — Data Link

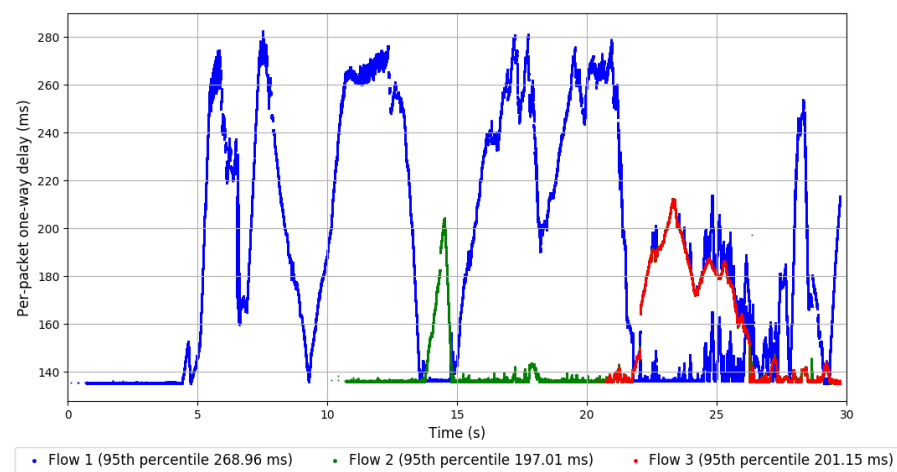
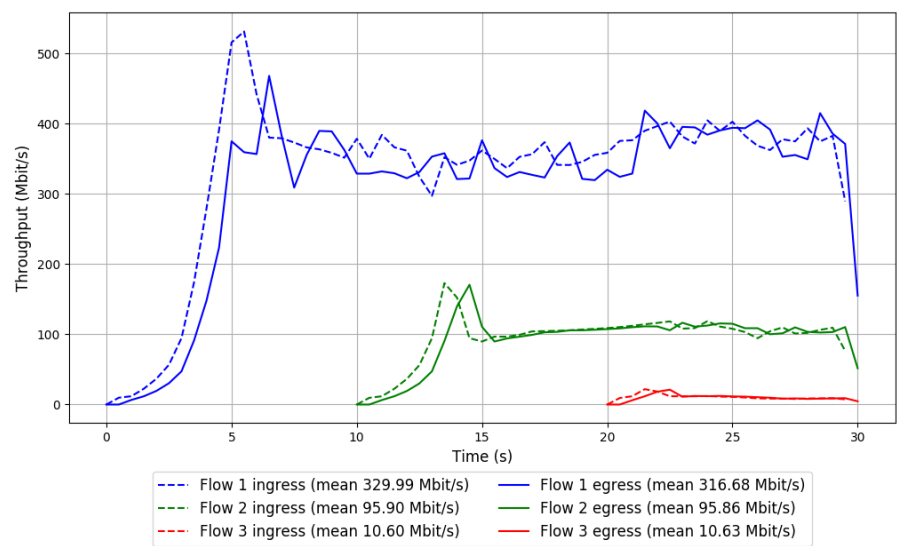


Run 9: Statistics of PCC-Expr

Start at: 2018-07-26 08:17:22
End at: 2018-07-26 08:17:52
Local clock offset: -0.063 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-26 11:36:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.57 Mbit/s
95th percentile per-packet one-way delay: 267.807 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 316.68 Mbit/s
95th percentile per-packet one-way delay: 268.962 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 197.013 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 201.146 ms
Loss rate: 2.50%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-26 08:44:00

End at: 2018-07-26 08:44:30

Local clock offset: -0.021 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.52 Mbit/s

95th percentile per-packet one-way delay: 204.634 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 206.15 Mbit/s

95th percentile per-packet one-way delay: 224.291 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 172.02 Mbit/s

95th percentile per-packet one-way delay: 189.184 ms

Loss rate: 1.41%

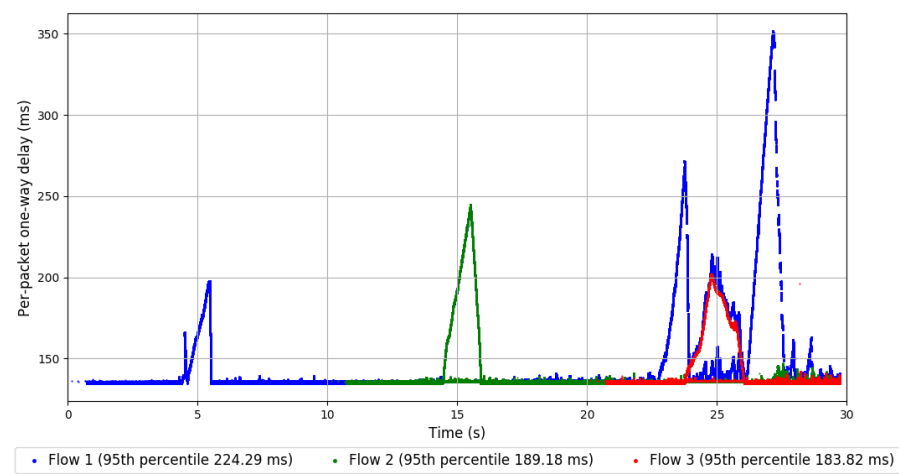
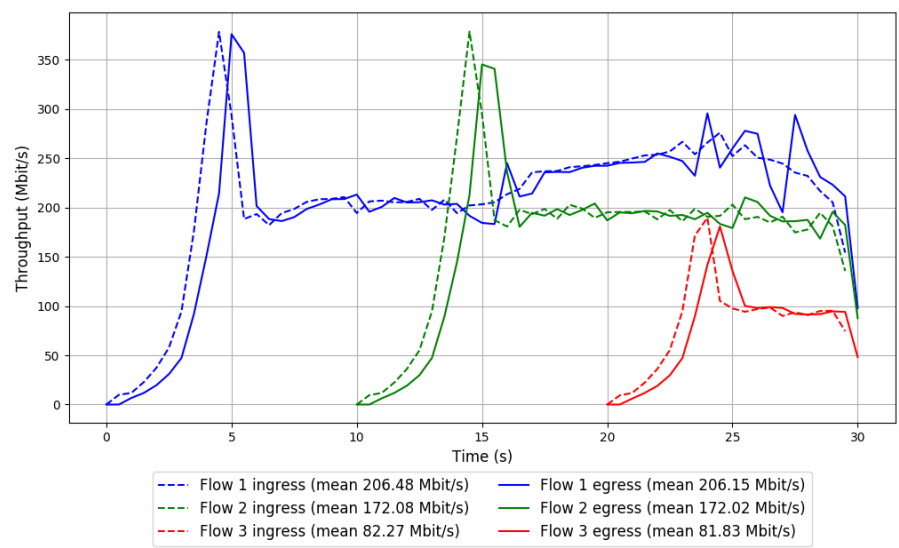
-- Flow 3:

Average throughput: 81.83 Mbit/s

95th percentile per-packet one-way delay: 183.816 ms

Loss rate: 3.28%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-26 04:40:11

End at: 2018-07-26 04:40:41

Local clock offset: 1.844 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.86 Mbit/s

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

Loss rate: 1.88%

-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 137.554 ms

Loss rate: 1.40%

-- Flow 2:

Average throughput: 50.59 Mbit/s

95th percentile per-packet one-way delay: 137.284 ms

Loss rate: 1.64%

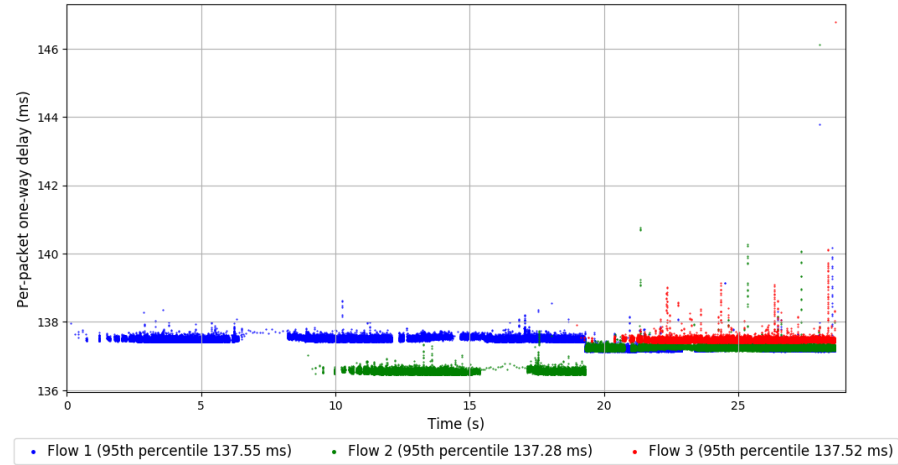
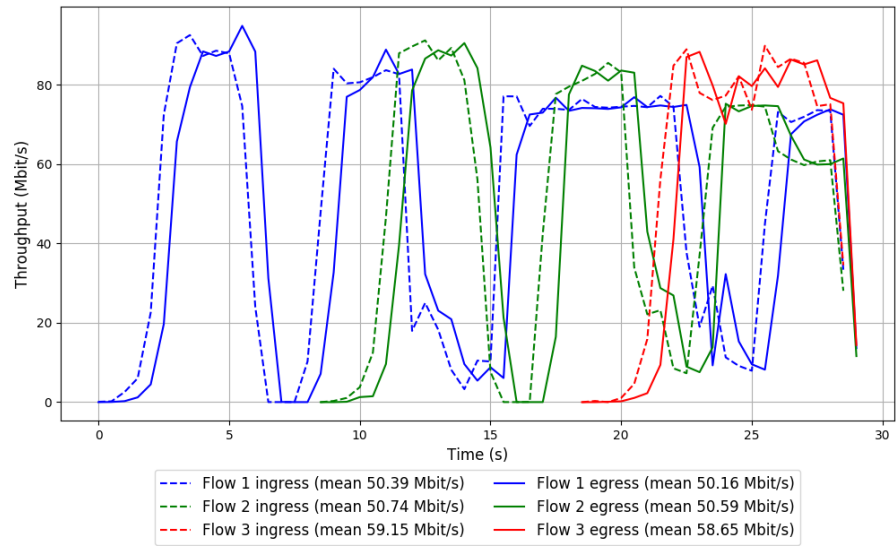
-- Flow 3:

Average throughput: 58.65 Mbit/s

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

Loss rate: 3.49%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-26 05:07:16

End at: 2018-07-26 05:07:46

Local clock offset: -0.01 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 102.62 Mbit/s

95th percentile per-packet one-way delay: 135.994 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 52.80 Mbit/s

95th percentile per-packet one-way delay: 135.969 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 61.17 Mbit/s

95th percentile per-packet one-way delay: 136.022 ms

Loss rate: 0.82%

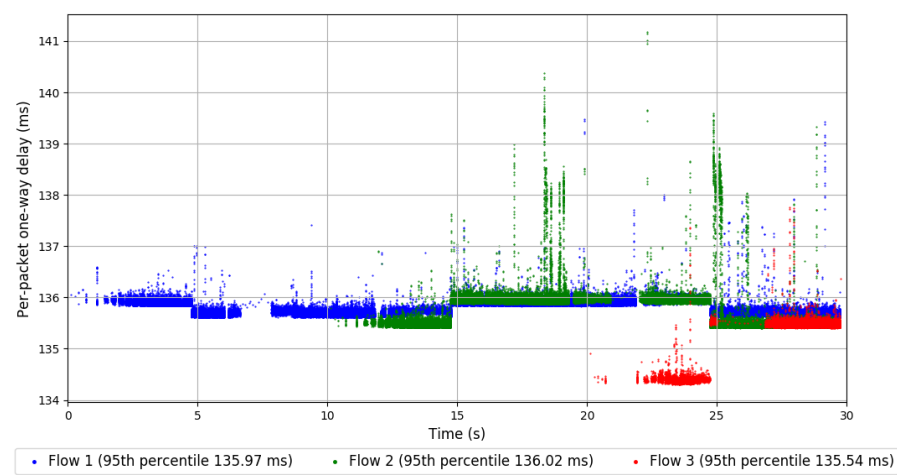
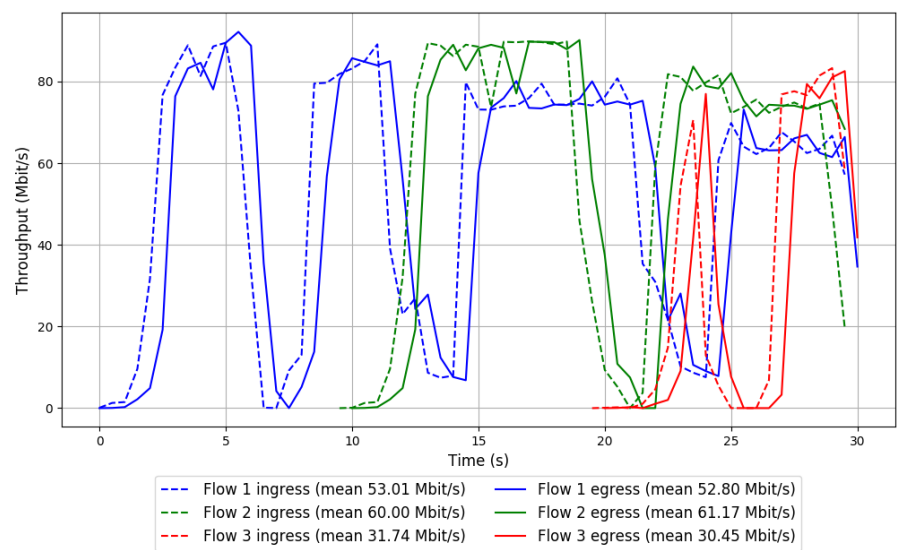
-- Flow 3:

Average throughput: 30.45 Mbit/s

95th percentile per-packet one-way delay: 135.540 ms

Loss rate: 6.31%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-26 05:34:39

End at: 2018-07-26 05:35:09

Local clock offset: 0.232 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.18 Mbit/s

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

Loss rate: 2.04%

-- Flow 1:

Average throughput: 54.64 Mbit/s

95th percentile per-packet one-way delay: 136.500 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 44.15 Mbit/s

95th percentile per-packet one-way delay: 135.748 ms

Loss rate: 2.13%

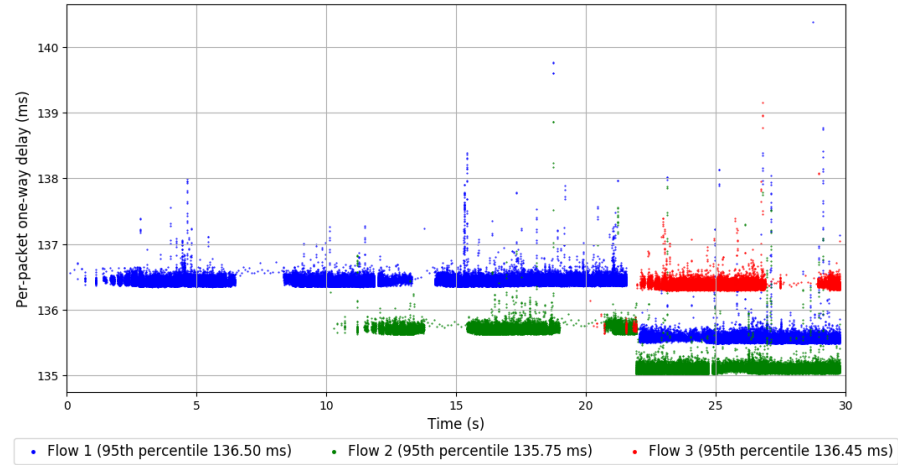
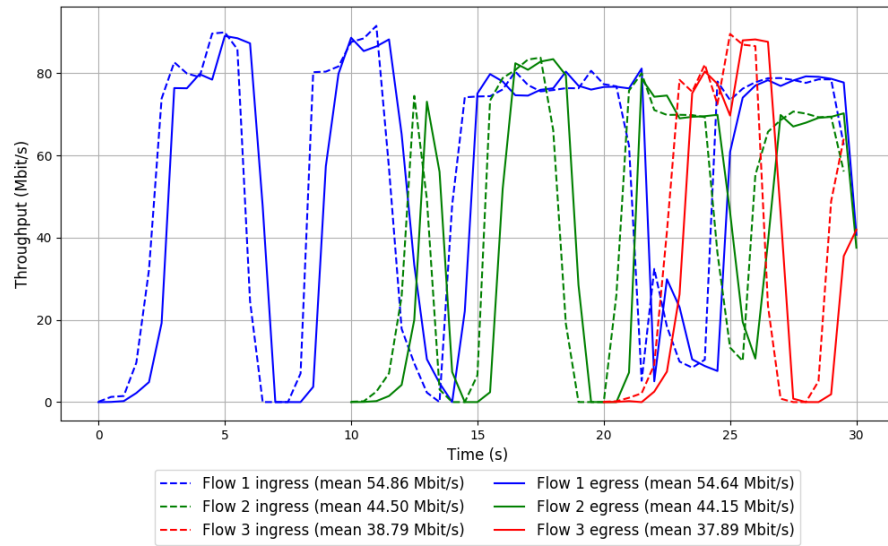
-- Flow 3:

Average throughput: 37.89 Mbit/s

95th percentile per-packet one-way delay: 136.454 ms

Loss rate: 5.03%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-26 06:01:36

End at: 2018-07-26 06:02:06

Local clock offset: 1.813 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.28 Mbit/s

95th percentile per-packet one-way delay: 138.247 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 48.17 Mbit/s

95th percentile per-packet one-way delay: 138.239 ms

Loss rate: 1.36%

-- Flow 2:

Average throughput: 61.52 Mbit/s

95th percentile per-packet one-way delay: 138.104 ms

Loss rate: 0.43%

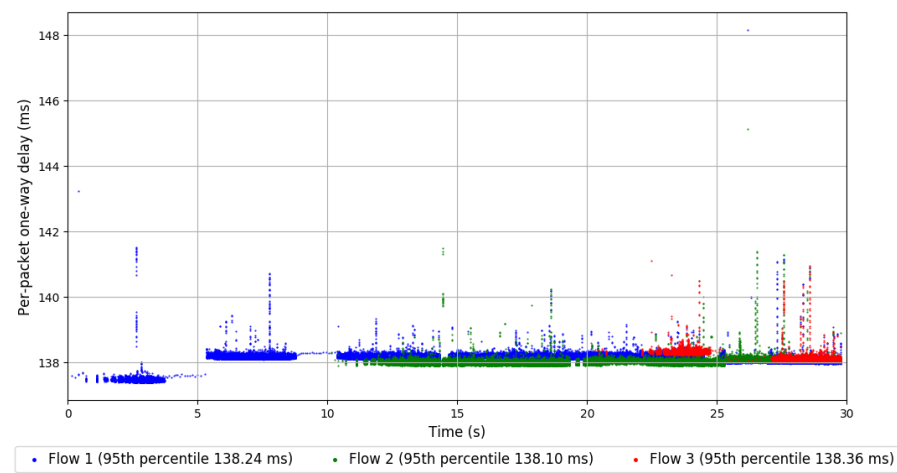
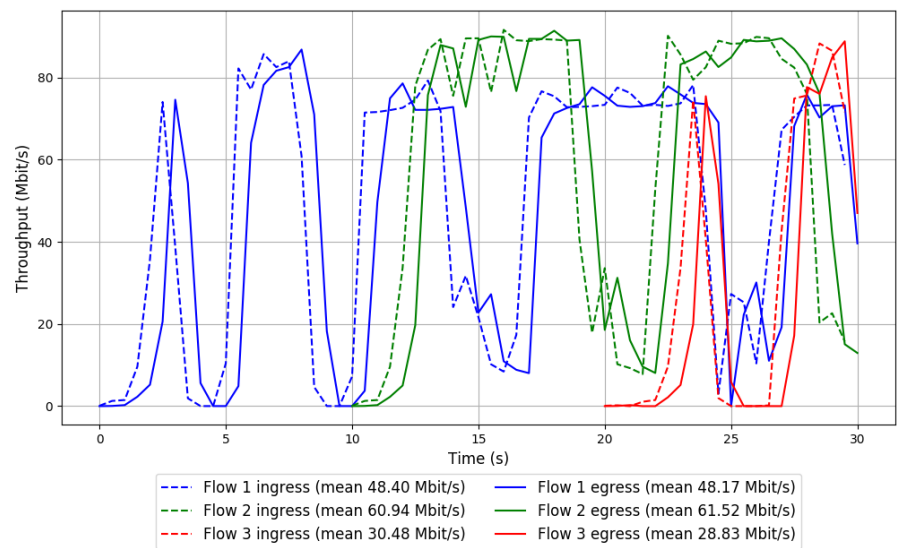
-- Flow 3:

Average throughput: 28.83 Mbit/s

95th percentile per-packet one-way delay: 138.358 ms

Loss rate: 8.01%

Run 4: Report of QUIC Cubic — Data Link

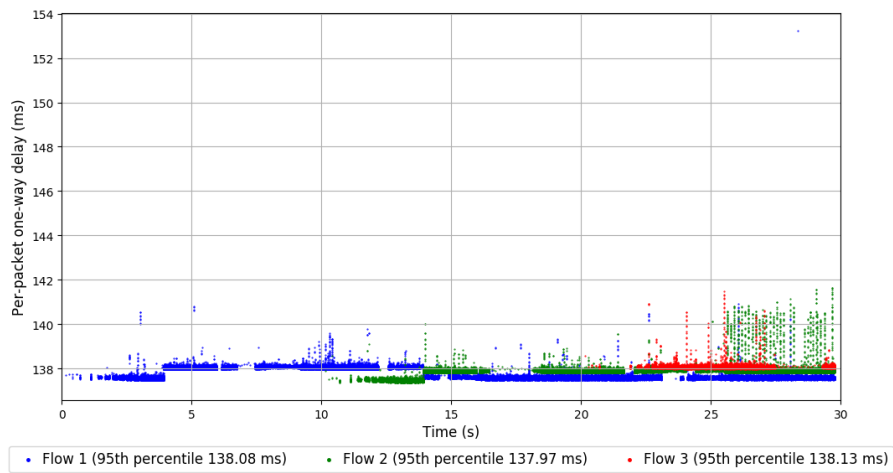
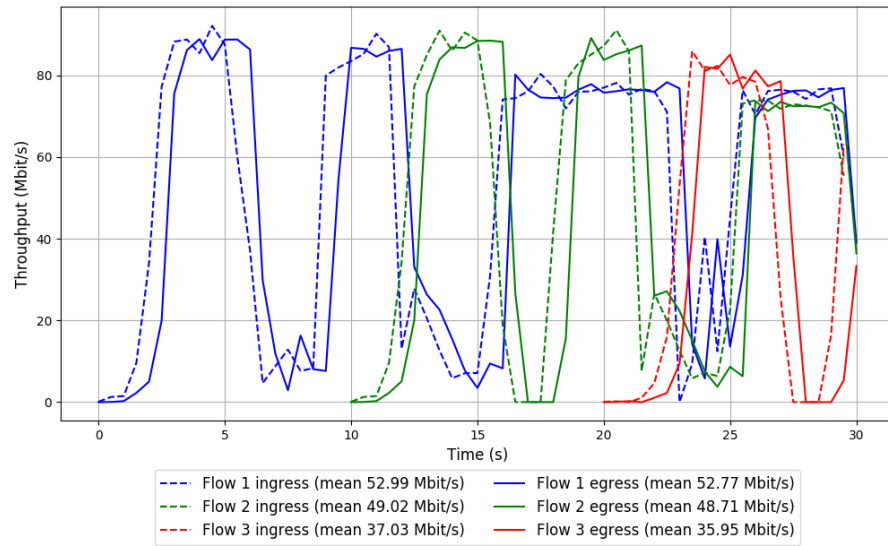


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-26 06:28:07
End at: 2018-07-26 06:28:37
Local clock offset: 1.757 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 138.086 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 52.77 Mbit/s
95th percentile per-packet one-way delay: 138.082 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 137.970 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 138.131 ms
Loss rate: 5.59%

Run 5: Report of QUIC Cubic — Data Link

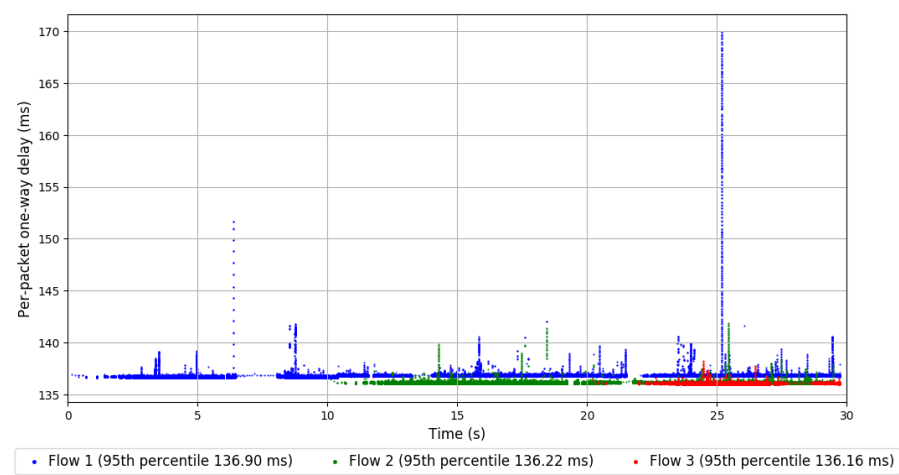
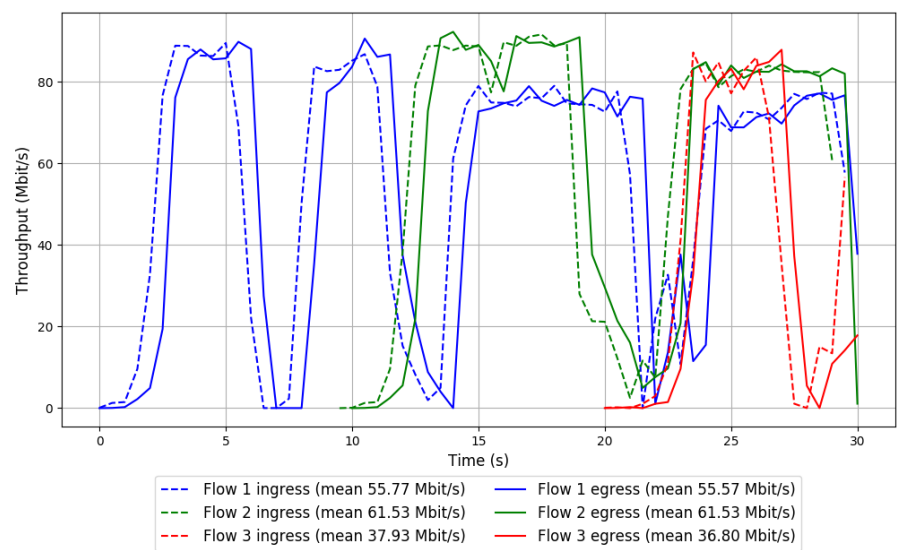


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-26 06:54:41
End at: 2018-07-26 06:55:11
Local clock offset: 0.069 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.77 Mbit/s
95th percentile per-packet one-way delay: 136.871 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 55.57 Mbit/s
95th percentile per-packet one-way delay: 136.899 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 61.53 Mbit/s
95th percentile per-packet one-way delay: 136.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 136.161 ms
Loss rate: 5.65%

Run 6: Report of QUIC Cubic — Data Link

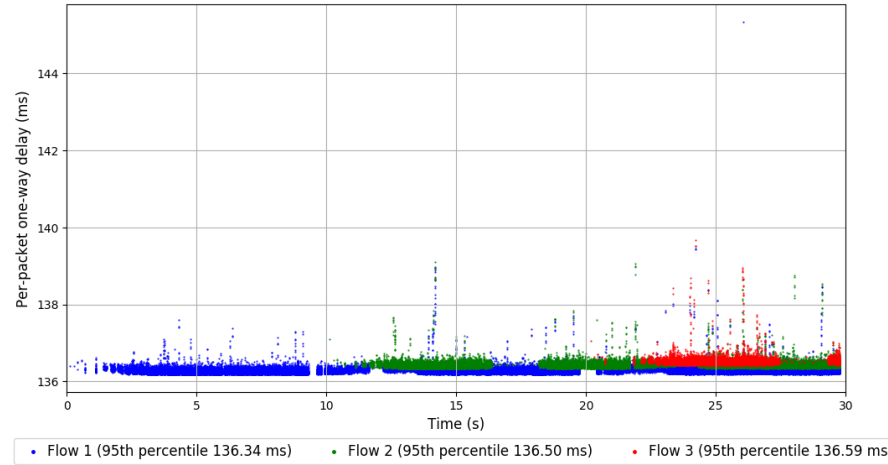
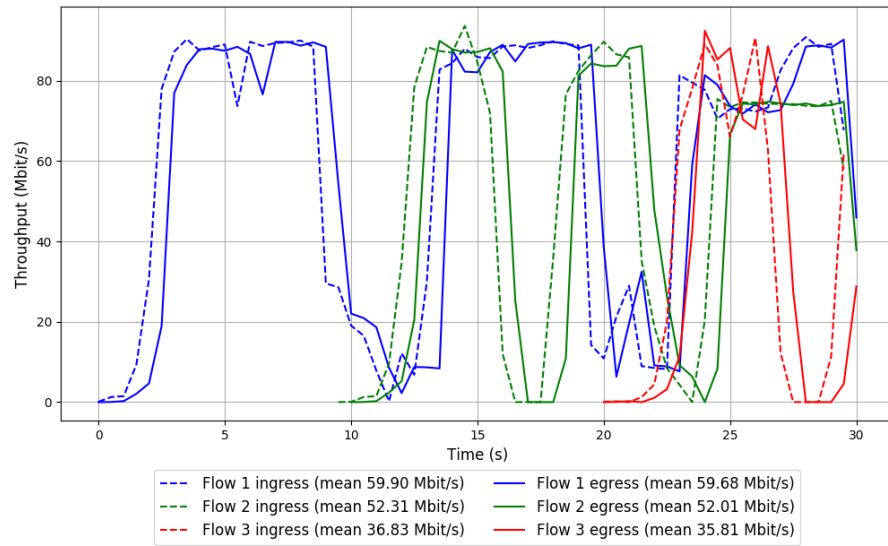


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-26 07:21:18
End at: 2018-07-26 07:21:48
Local clock offset: -0.077 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 105.73 Mbit/s
95th percentile per-packet one-way delay: 136.511 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 136.344 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 136.495 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 136.591 ms
Loss rate: 5.48%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-26 07:47:54

End at: 2018-07-26 07:48:24

Local clock offset: 0.023 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.27 Mbit/s

95th percentile per-packet one-way delay: 136.318 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 65.10 Mbit/s

95th percentile per-packet one-way delay: 134.795 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 50.39 Mbit/s

95th percentile per-packet one-way delay: 136.369 ms

Loss rate: 1.87%

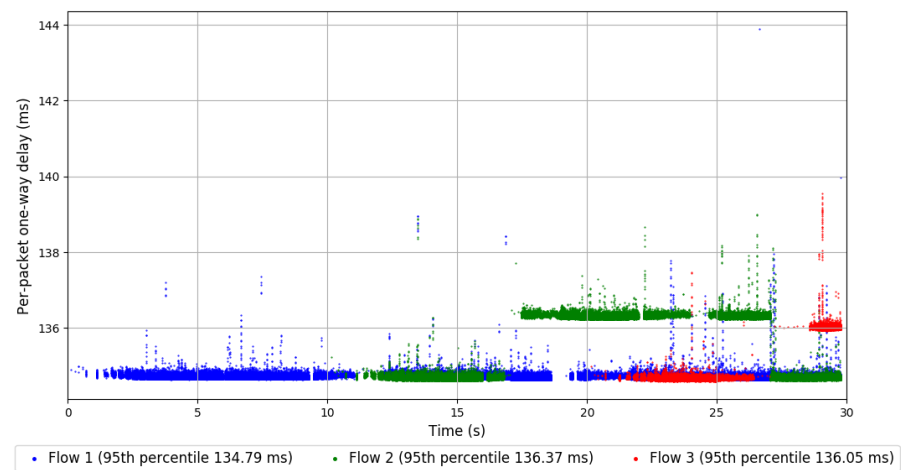
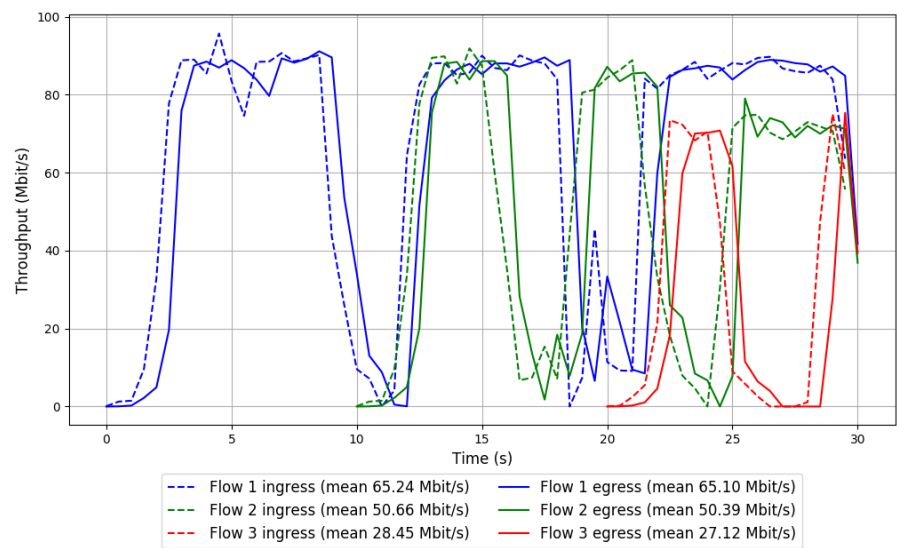
-- Flow 3:

Average throughput: 27.12 Mbit/s

95th percentile per-packet one-way delay: 136.054 ms

Loss rate: 7.31%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-26 08:14:46

End at: 2018-07-26 08:15:16

Local clock offset: -0.09 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 135.576 ms

Loss rate: 1.95%

-- Flow 1:

Average throughput: 50.59 Mbit/s

95th percentile per-packet one-way delay: 135.586 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 47.02 Mbit/s

95th percentile per-packet one-way delay: 135.570 ms

Loss rate: 2.16%

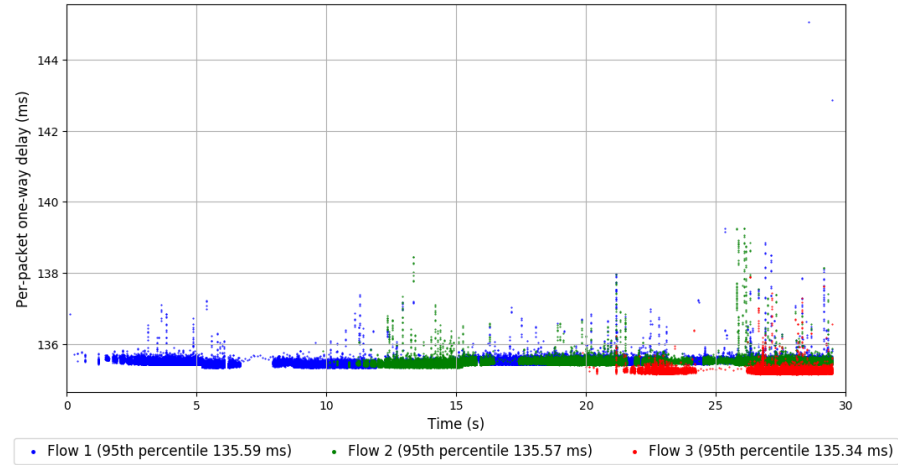
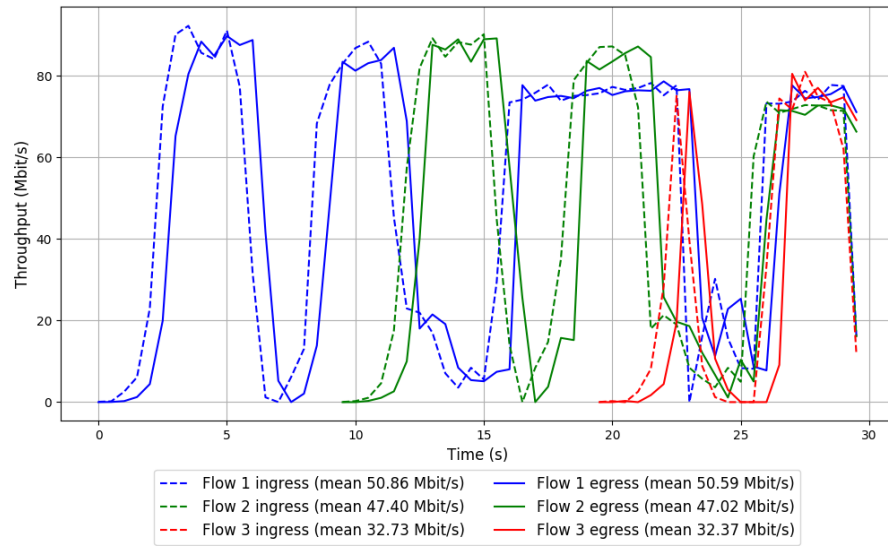
-- Flow 3:

Average throughput: 32.37 Mbit/s

95th percentile per-packet one-way delay: 135.336 ms

Loss rate: 3.79%

Run 9: Report of QUIC Cubic — Data Link

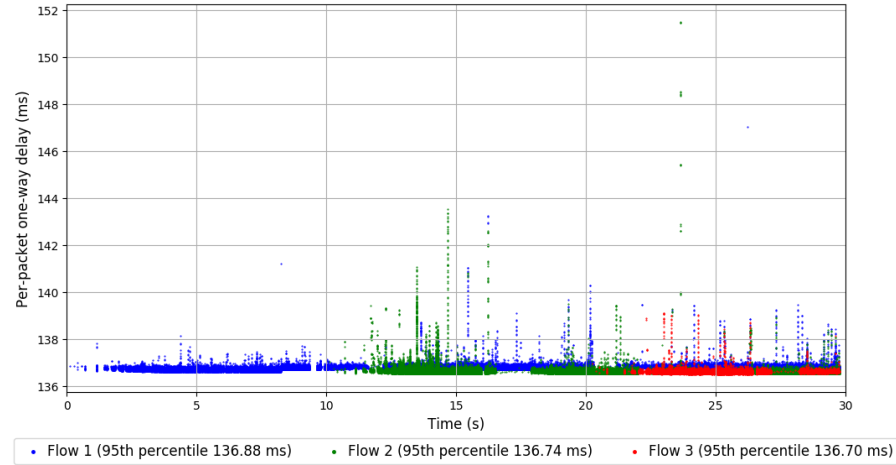
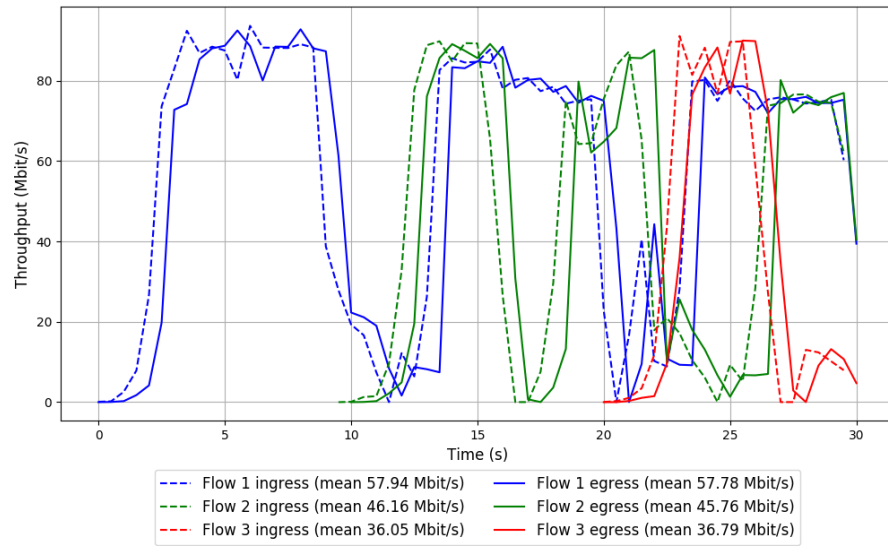


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-26 08:41:23
End at: 2018-07-26 08:41:53
Local clock offset: -0.028 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.92 Mbit/s
95th percentile per-packet one-way delay: 136.866 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 136.884 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 136.741 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 36.79 Mbit/s
95th percentile per-packet one-way delay: 136.698 ms
Loss rate: 0.82%

Run 10: Report of QUIC Cubic — Data Link

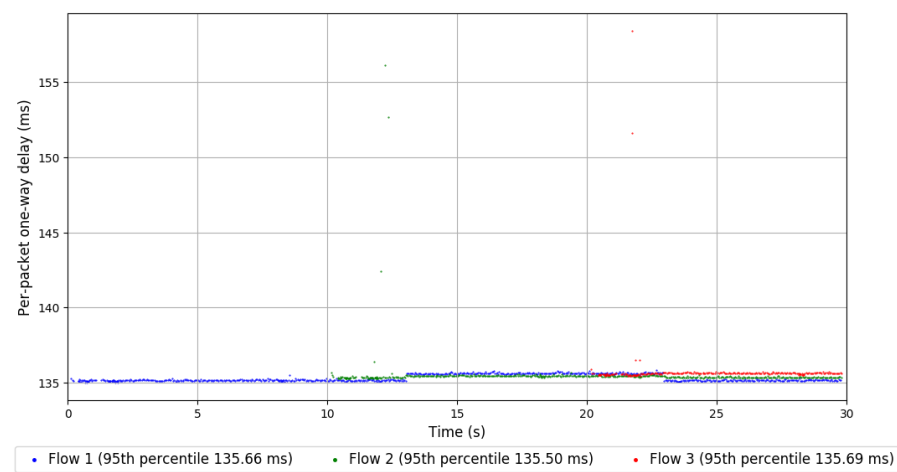
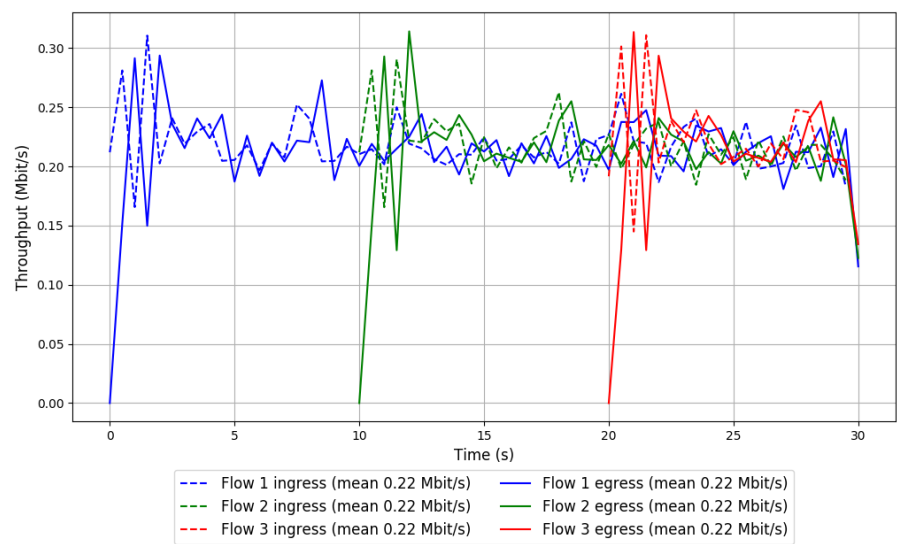


```
Run 1: Statistics of SReAM

Start at: 2018-07-26 04:36:38
End at: 2018-07-26 04:37:08
Local clock offset: -0.144 ms
Remote clock offset: 0.342 ms

# Below is generated by plot.py at 2018-07-26 11:39:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 135.658 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.657 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.495 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.688 ms
Loss rate: 2.59%
```


Run 1: Report of SReAM — Data Link

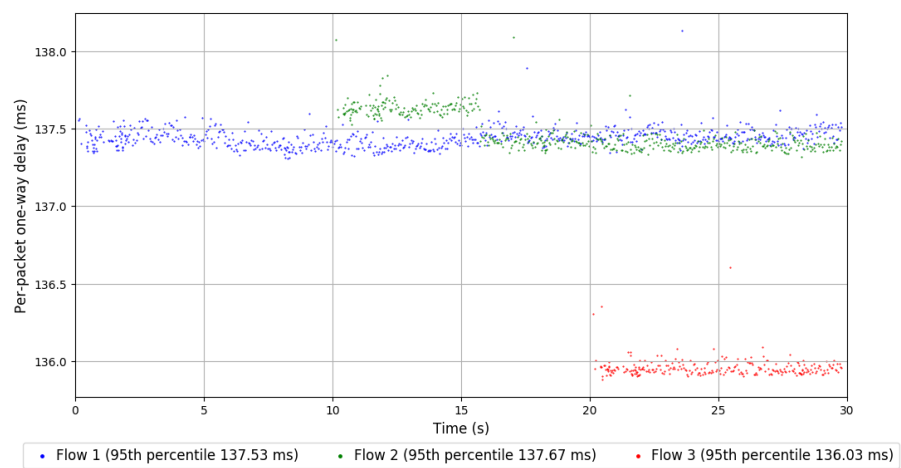
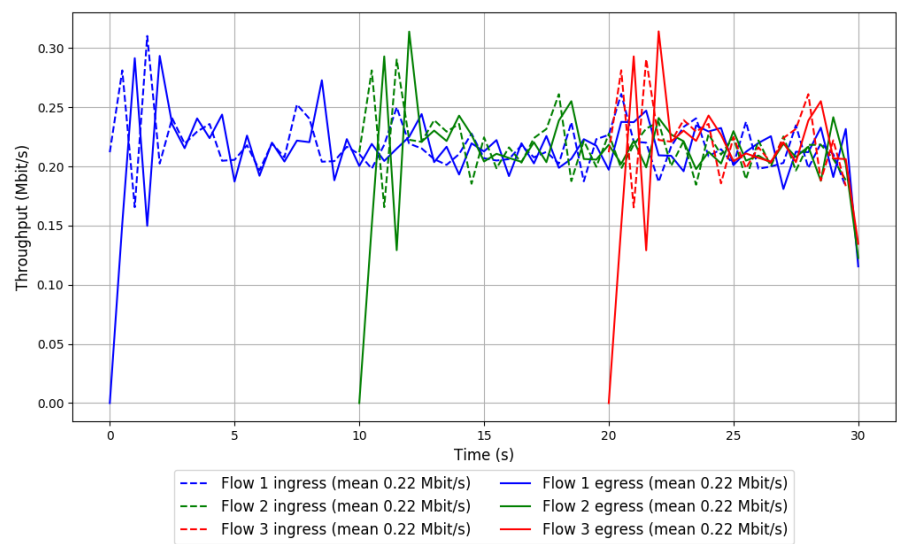


```
Run 2: Statistics of SReAM

Start at: 2018-07-26 05:03:45
End at: 2018-07-26 05:04:15
Local clock offset: 1.722 ms
Remote clock offset: 0.309 ms

# Below is generated by plot.py at 2018-07-26 11:39:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.630 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.535 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.672 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.032 ms
Loss rate: 2.59%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-26 05:31:06

End at: 2018-07-26 05:31:36

Local clock offset: 0.34 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.230 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.268 ms

Loss rate: 1.43%

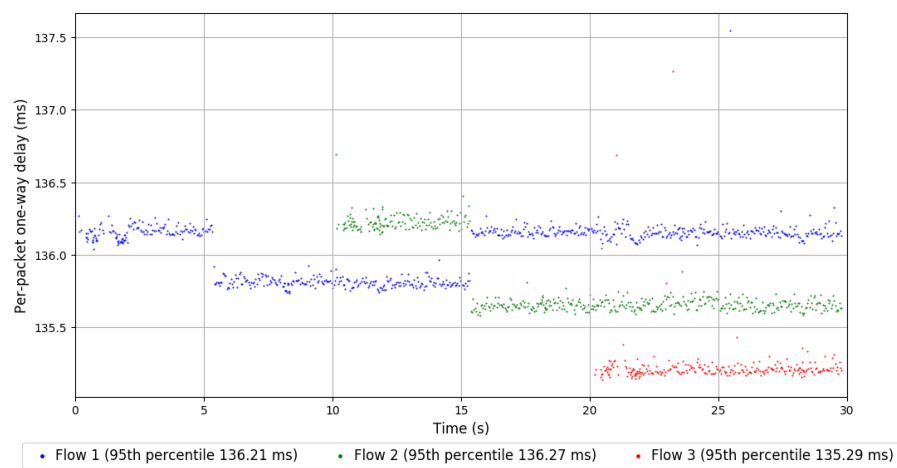
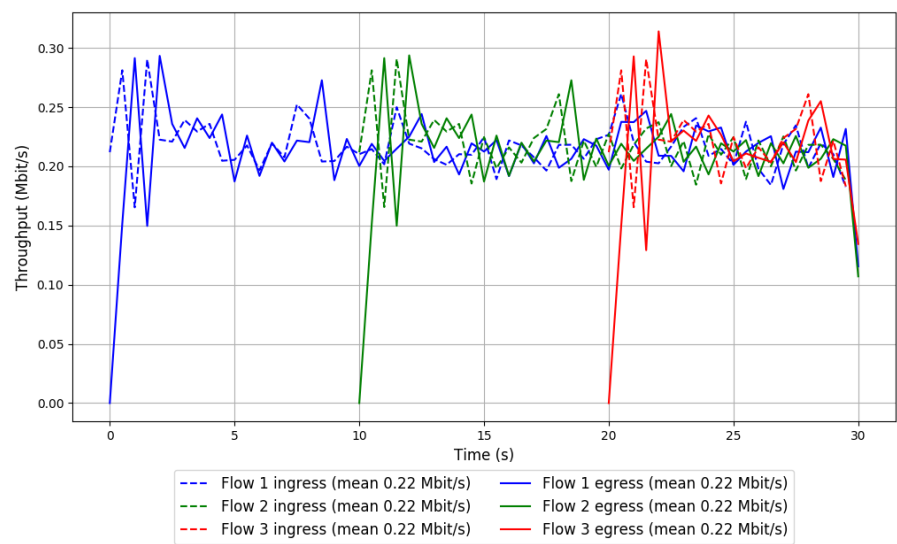
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.289 ms

Loss rate: 2.59%

Run 3: Report of SReAM — Data Link

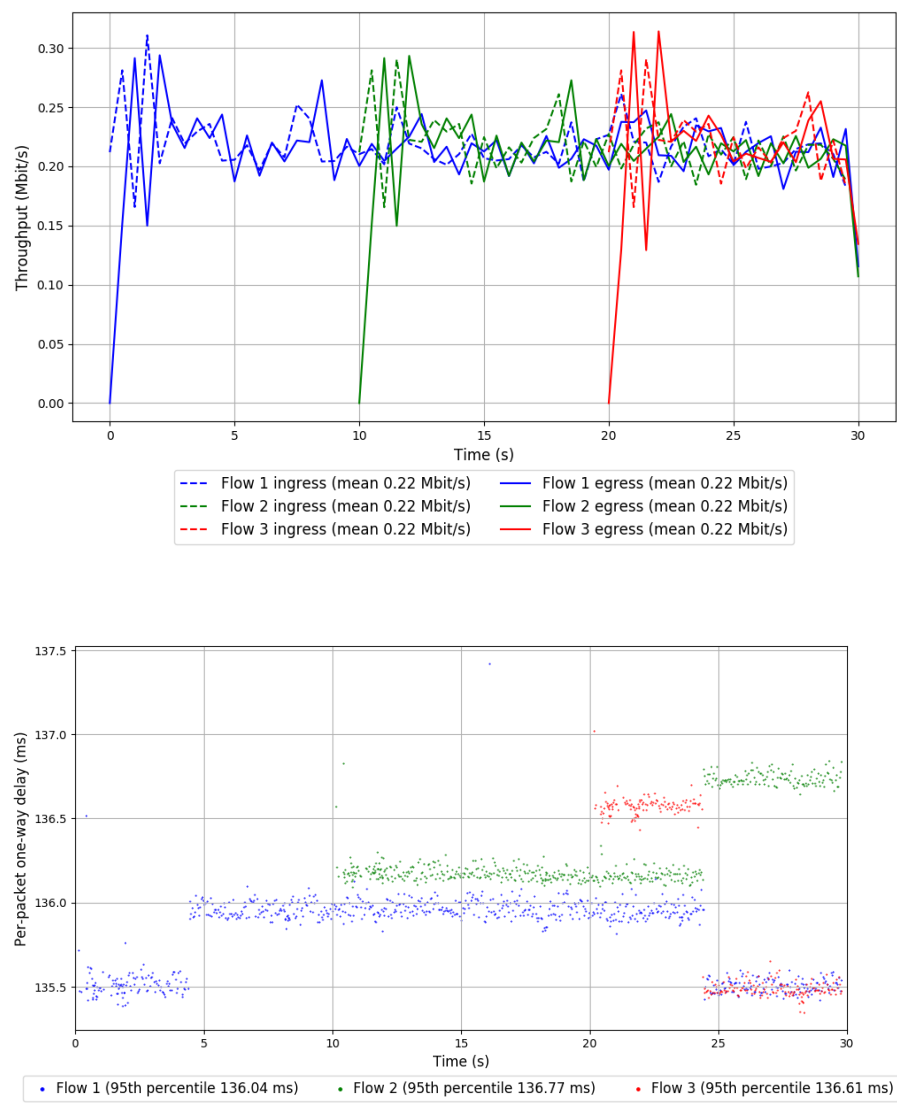


Run 4: Statistics of SReAM

Start at: 2018-07-26 05:58:07
End at: 2018-07-26 05:58:37
Local clock offset: 0.012 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.727 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.036 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.771 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 2.59%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-26 06:24:49

End at: 2018-07-26 06:25:19

Local clock offset: -0.215 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 135.571 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.573 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.549 ms

Loss rate: 1.43%

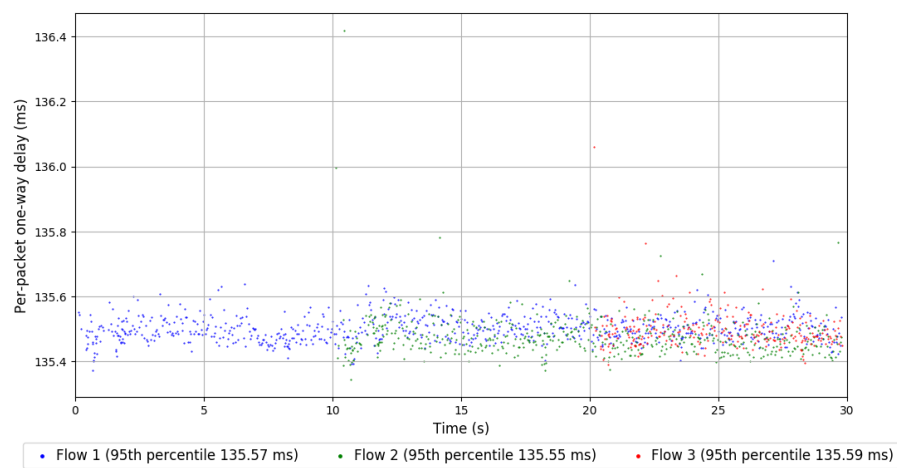
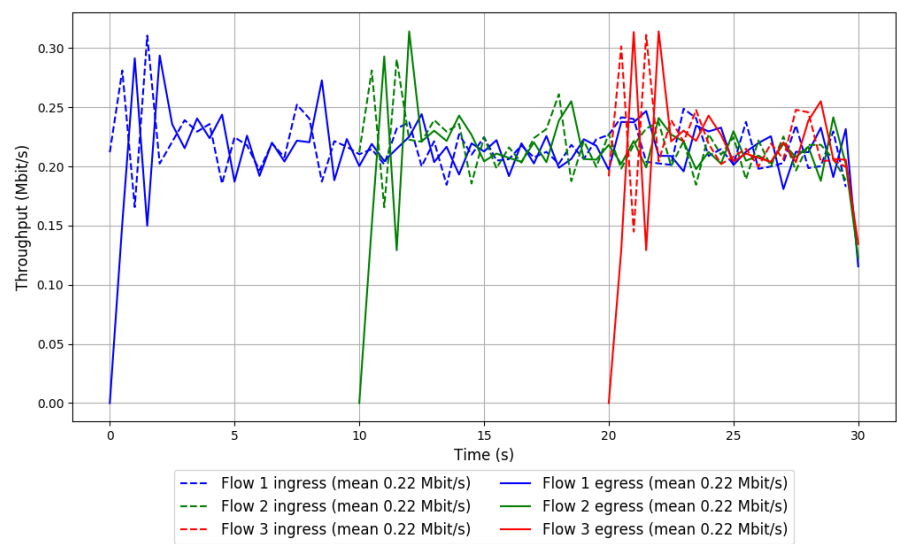
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.586 ms

Loss rate: 2.59%

Run 5: Report of SReAM — Data Link

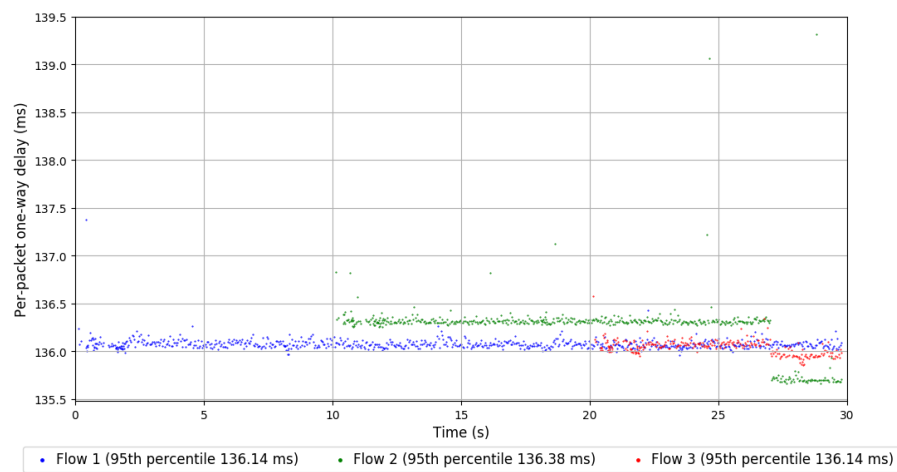
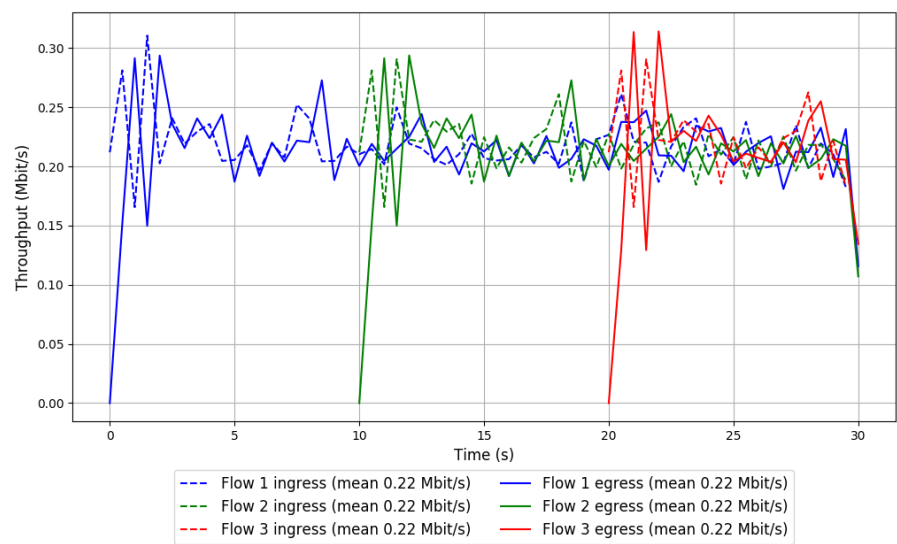


Run 6: Statistics of SReAM

Start at: 2018-07-26 06:51:34
End at: 2018-07-26 06:52:04
Local clock offset: -0.04 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.337 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.144 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.376 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.137 ms
Loss rate: 2.59%

Run 6: Report of SReAM — Data Link

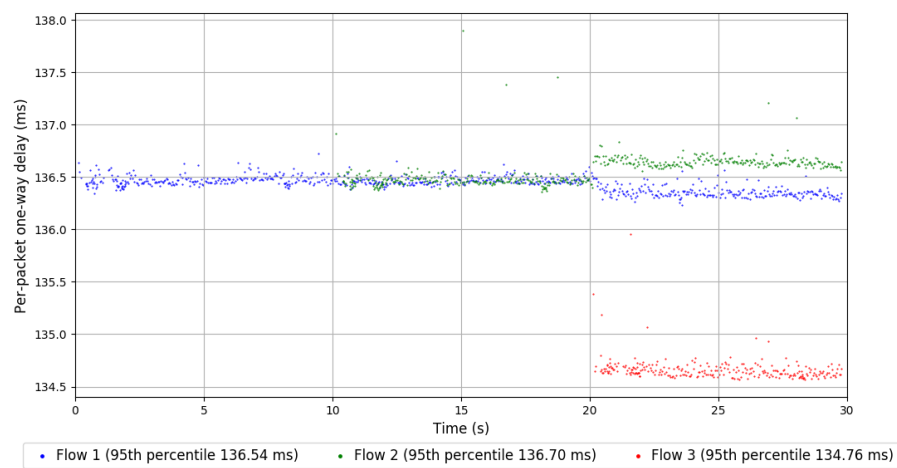
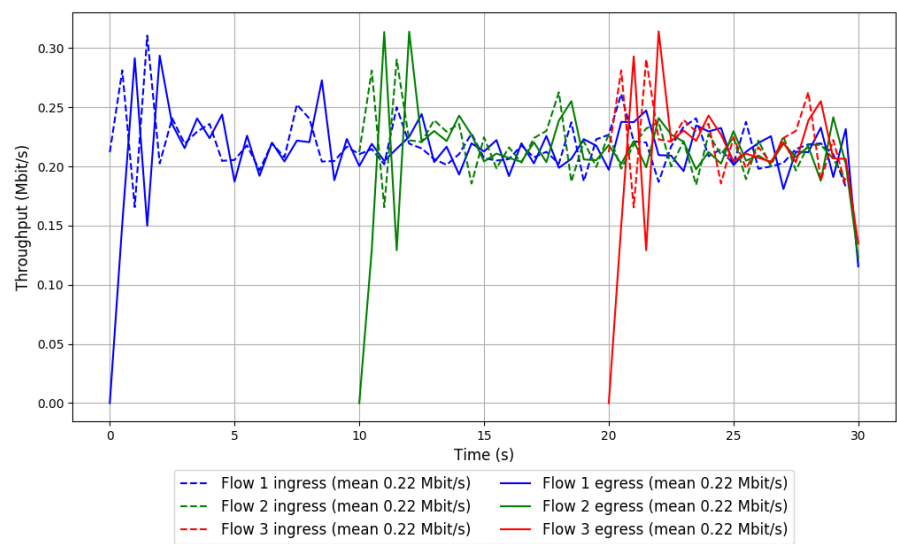


Run 7: Statistics of SReAM

Start at: 2018-07-26 07:17:51
End at: 2018-07-26 07:18:21
Local clock offset: 0.034 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.661 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.542 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.704 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.762 ms
Loss rate: 2.59%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-26 07:44:24

End at: 2018-07-26 07:44:54

Local clock offset: 0.122 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.311 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.484 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.201 ms

Loss rate: 1.43%

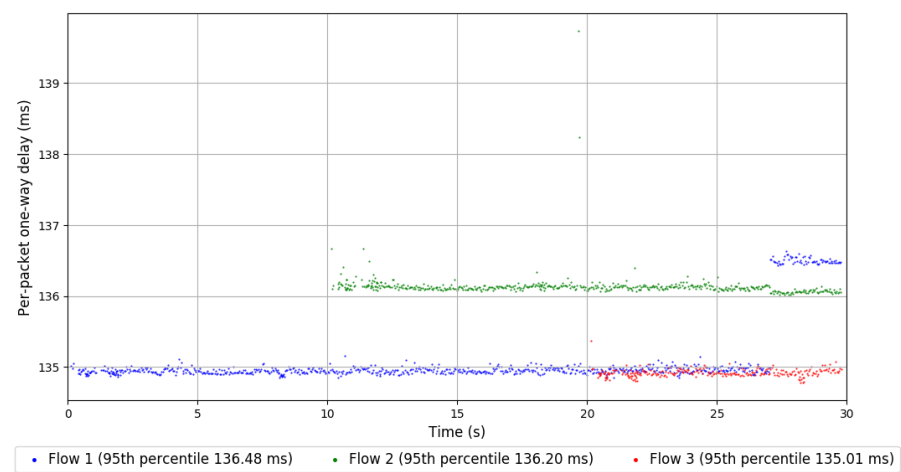
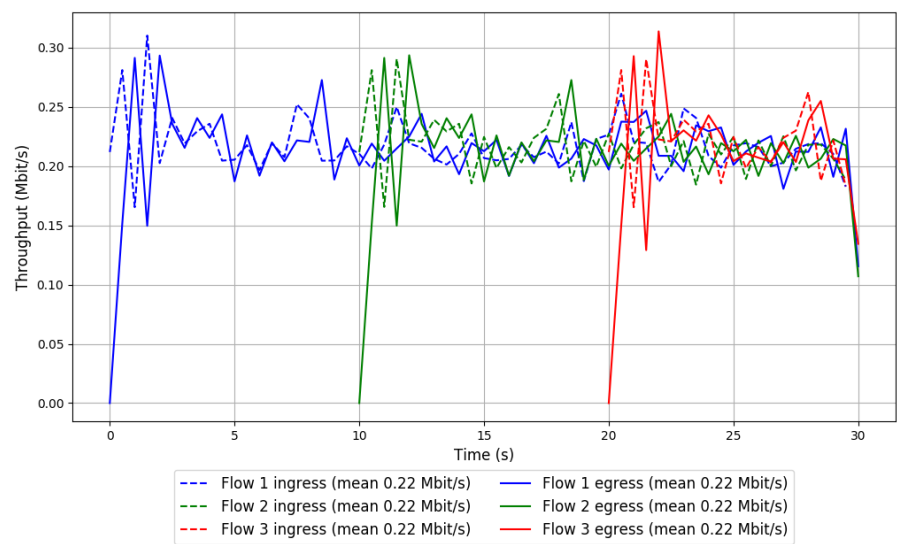
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.008 ms

Loss rate: 2.59%

Run 8: Report of SReAM — Data Link

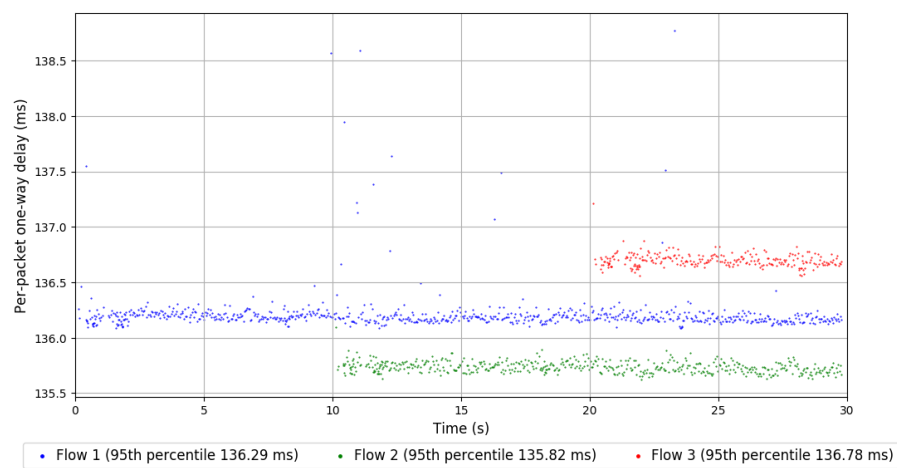
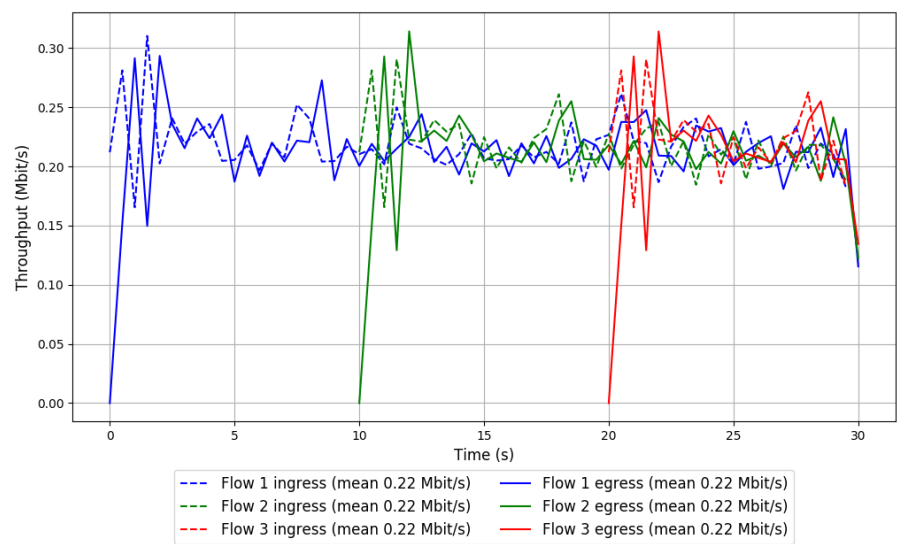


Run 9: Statistics of SReAM

Start at: 2018-07-26 08:11:18
End at: 2018-07-26 08:11:48
Local clock offset: 0.218 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.733 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.294 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.821 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.785 ms
Loss rate: 2.59%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-26 08:37:56

End at: 2018-07-26 08:38:26

Local clock offset: -0.083 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.336 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.400 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.375 ms

Loss rate: 1.43%

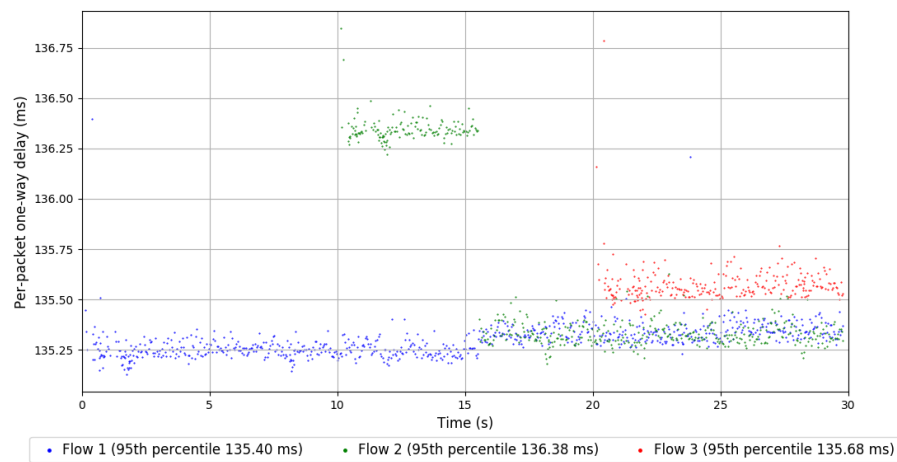
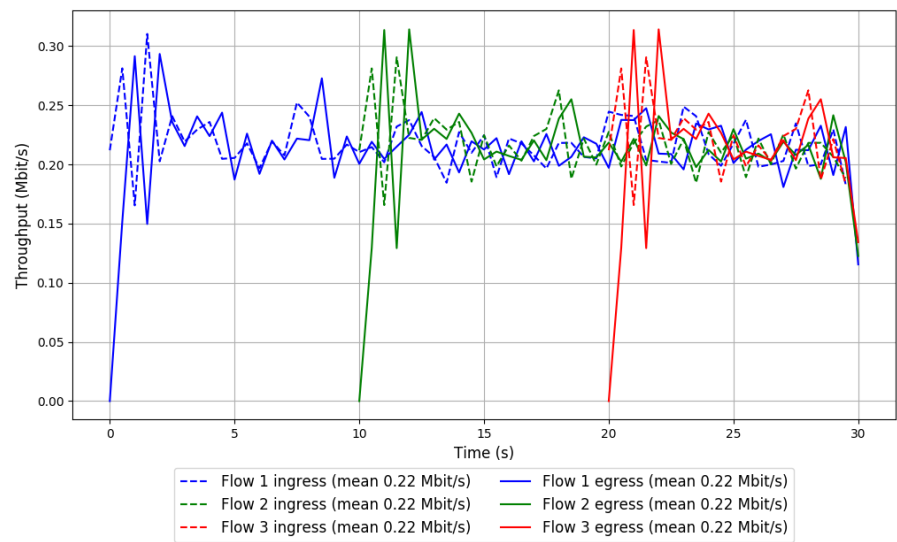
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.681 ms

Loss rate: 2.59%

Run 10: Report of SReAM — Data Link

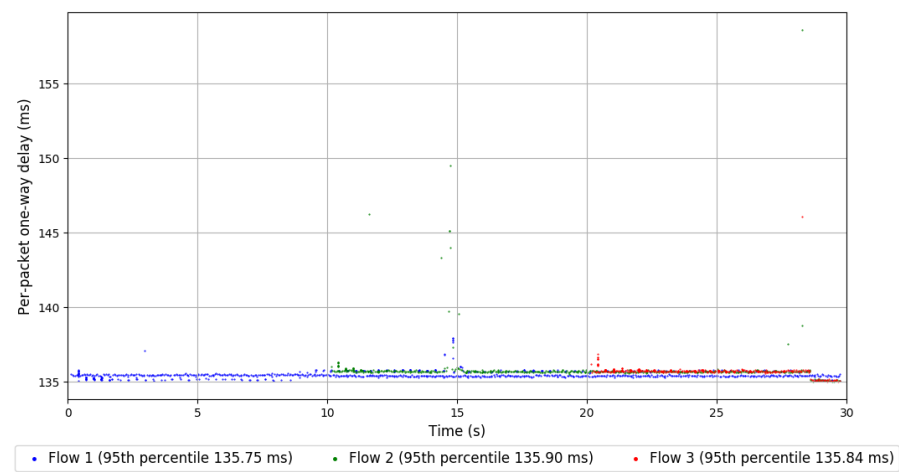
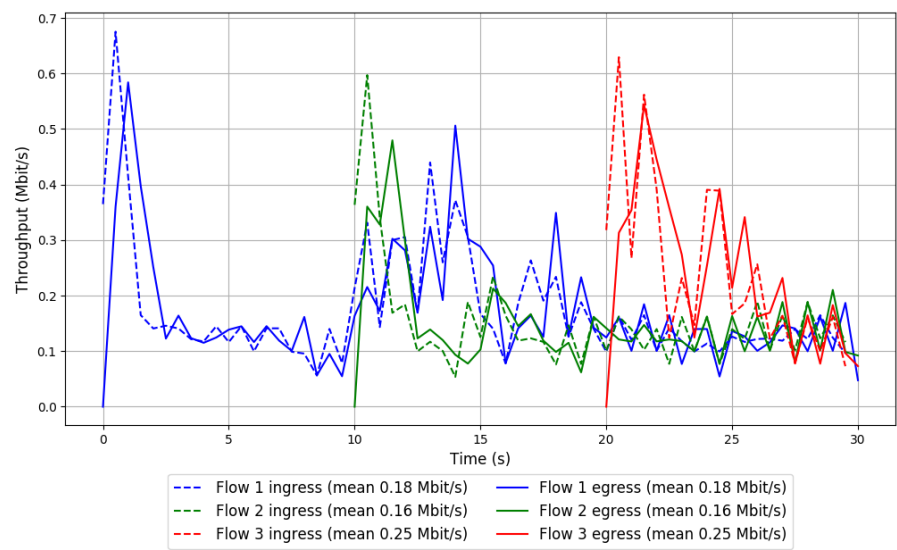


```
Run 1: Statistics of Sprout

Start at: 2018-07-26 04:41:32
End at: 2018-07-26 04:42:02
Local clock offset: -0.035 ms
Remote clock offset: 0.36 ms

# Below is generated by plot.py at 2018-07-26 11:39:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 135.796 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 135.755 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.898 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 135.838 ms
Loss rate: 1.42%
```

Run 1: Report of Sprout — Data Link

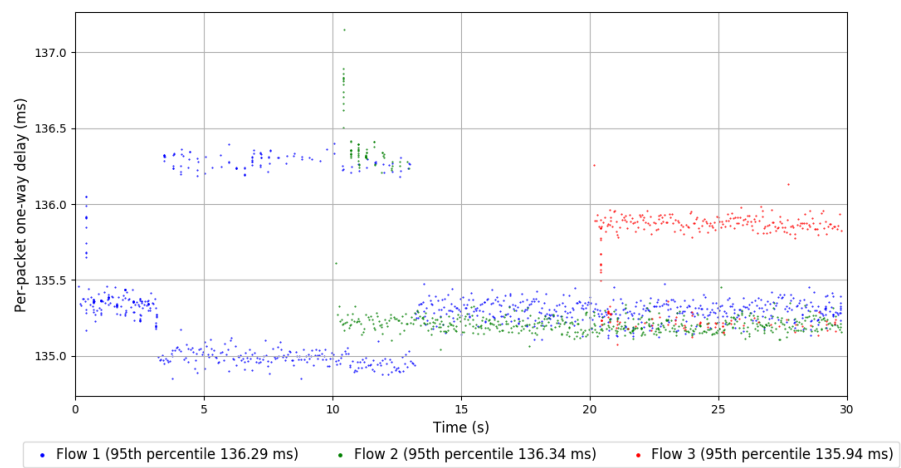
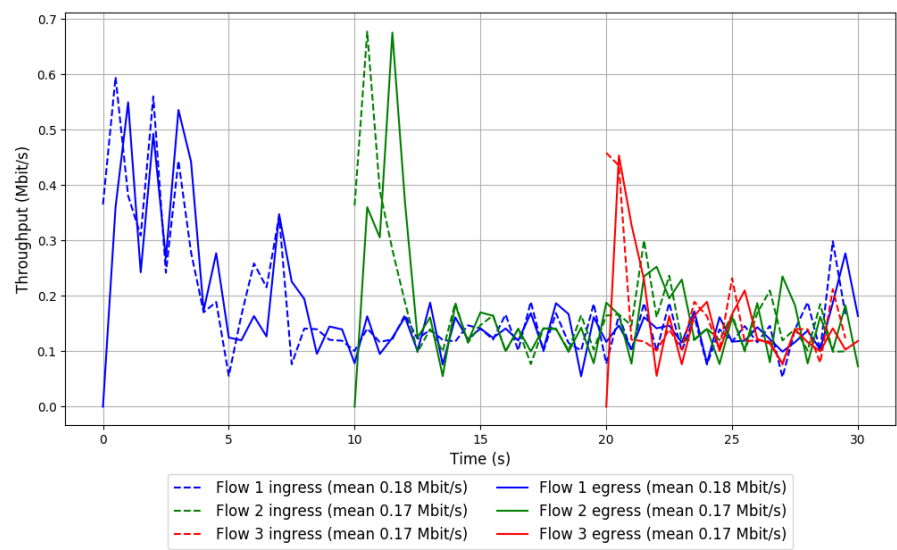


Run 2: Statistics of Sprout

Start at: 2018-07-26 05:08:38
End at: 2018-07-26 05:09:08
Local clock offset: -0.085 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.305 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.292 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.340 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 135.939 ms
Loss rate: 3.61%

Run 2: Report of Sprout — Data Link

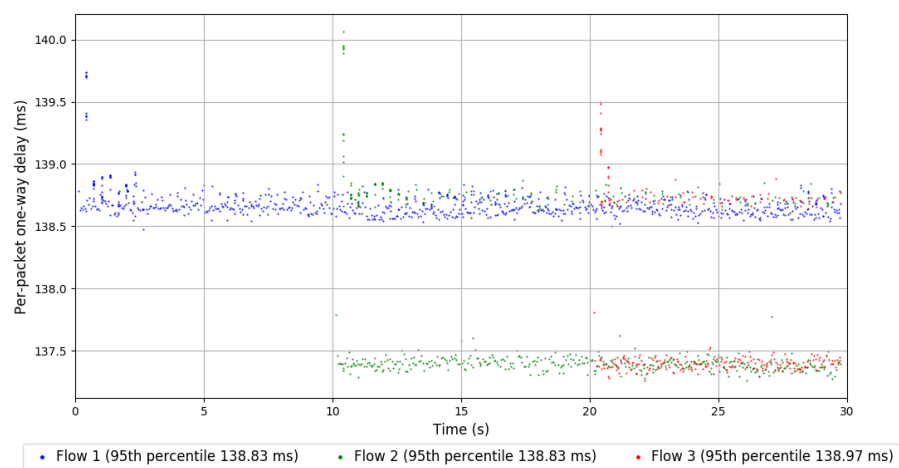
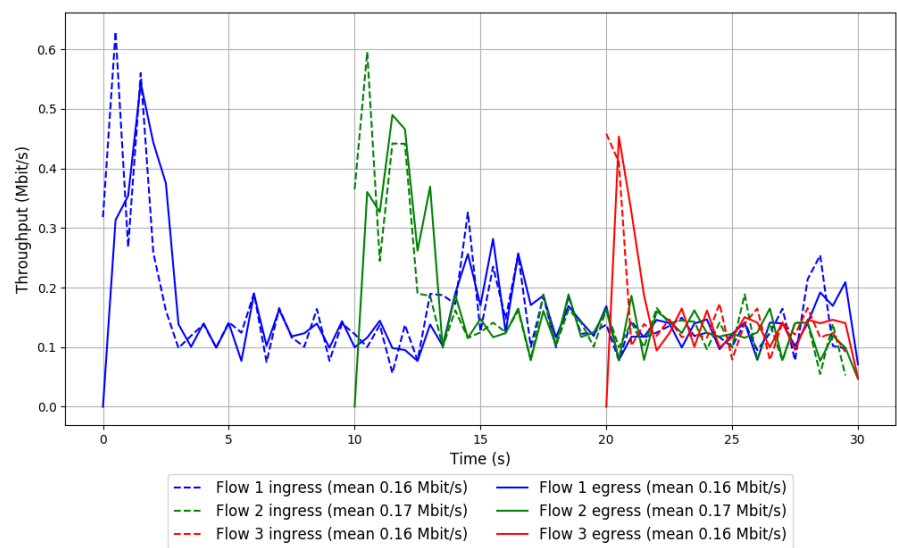


Run 3: Statistics of Sprout

Start at: 2018-07-26 05:36:01
End at: 2018-07-26 05:36:31
Local clock offset: 2.021 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 138.836 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 138.832 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 138.833 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 138.967 ms
Loss rate: 1.54%

Run 3: Report of Sprout — Data Link

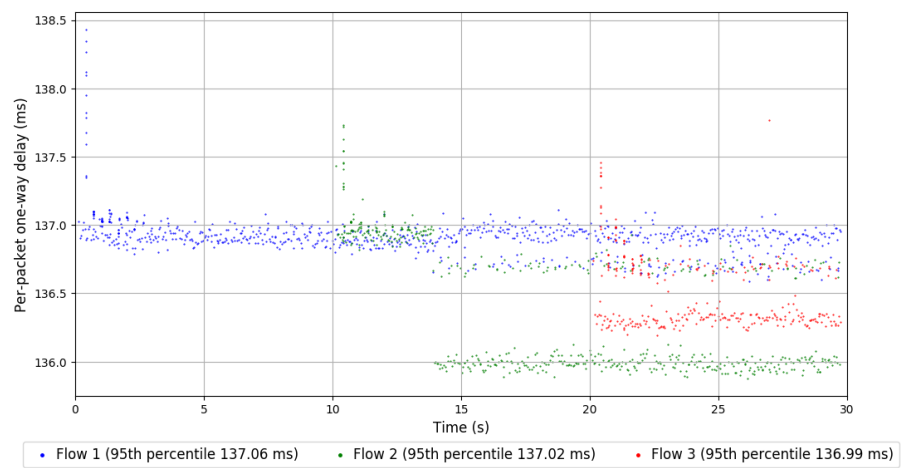
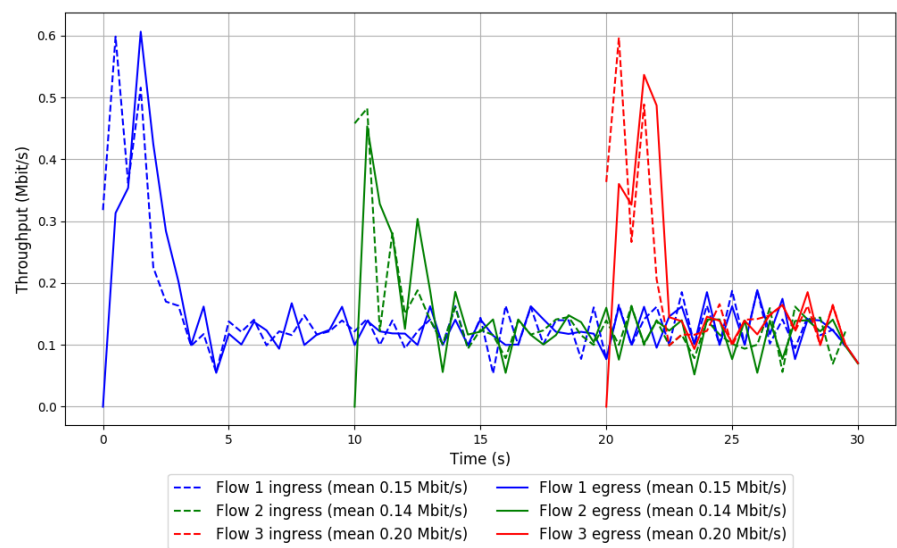


Run 4: Statistics of Sprout

Start at: 2018-07-26 06:02:57
End at: 2018-07-26 06:03:27
Local clock offset: 0.199 ms
Remote clock offset: -0.268 ms

```
# Below is generated by plot.py at 2018-07-26 11:39:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 137.046 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.058 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.021 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.985 ms
Loss rate: 2.49%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-26 06:29:29

End at: 2018-07-26 06:29:59

Local clock offset: 0.238 ms

Remote clock offset: 0.439 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 136.434 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.457 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.832 ms

Loss rate: 0.93%

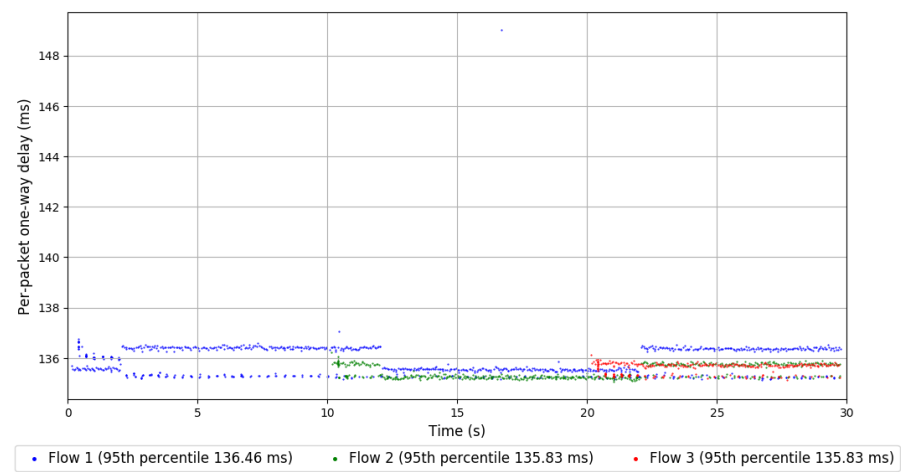
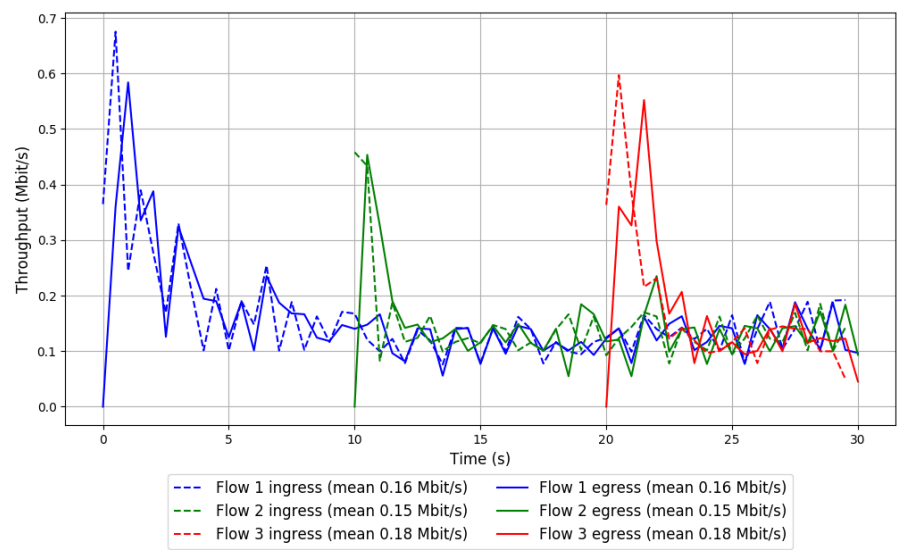
-- Flow 3:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 135.831 ms

Loss rate: 0.22%

Run 5: Report of Sprout — Data Link

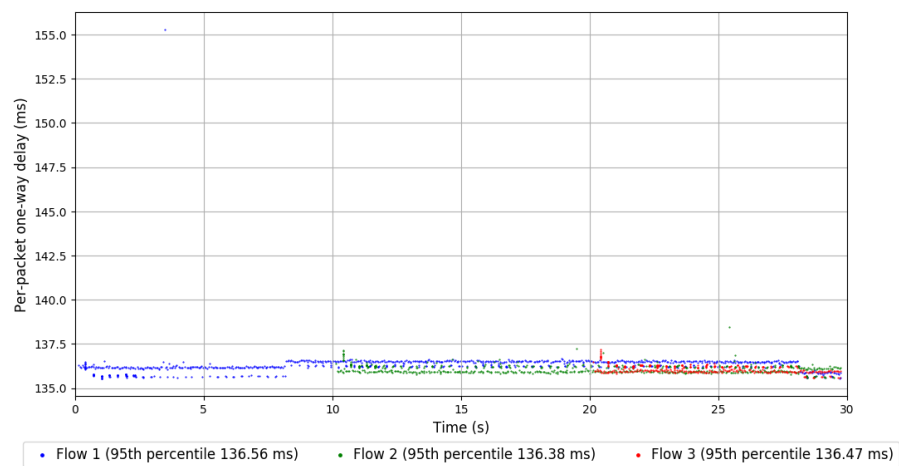
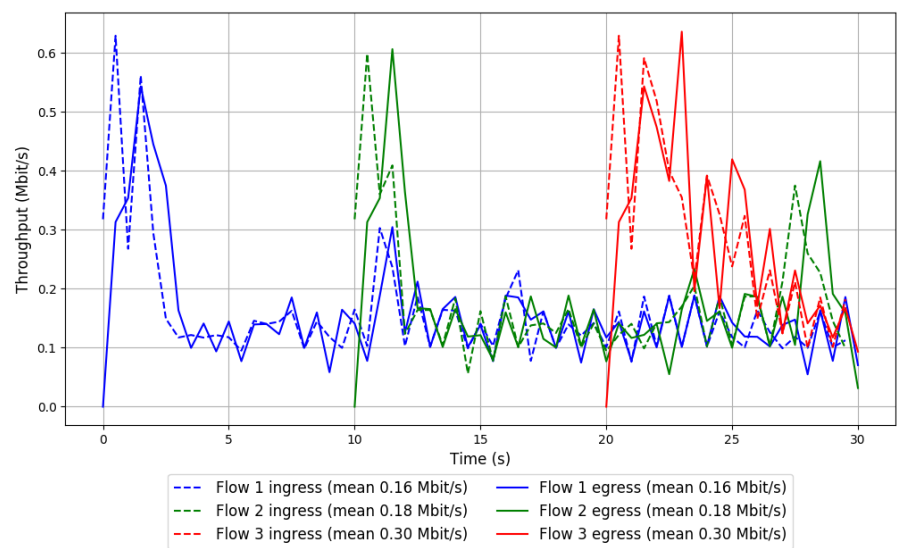


Run 6: Statistics of Sprout

Start at: 2018-07-26 06:56:03
End at: 2018-07-26 06:56:33
Local clock offset: 0.114 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.549 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.560 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.382 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 136.467 ms
Loss rate: 1.59%

Run 6: Report of Sprout — Data Link

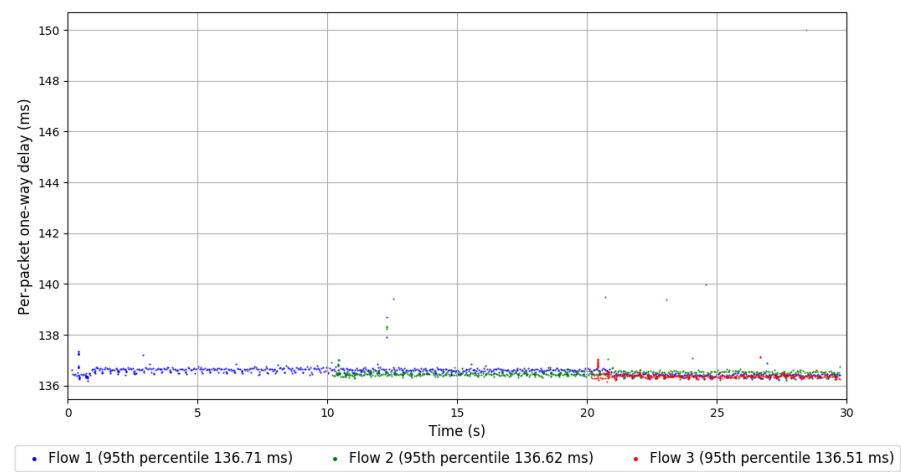
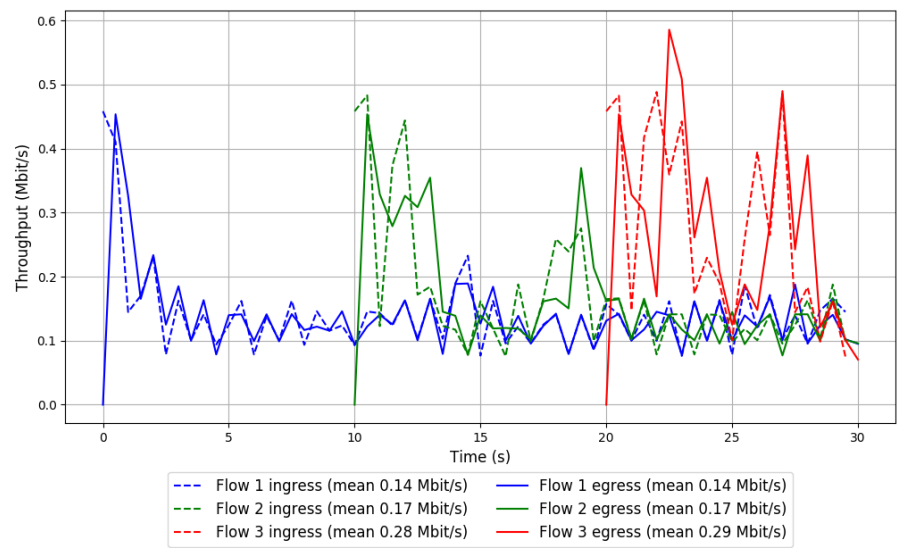


Run 7: Statistics of Sprout

Start at: 2018-07-26 07:22:40
End at: 2018-07-26 07:23:10
Local clock offset: -0.056 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-26 11:39:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.696 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.708 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.617 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 1.27%

Run 7: Report of Sprout — Data Link

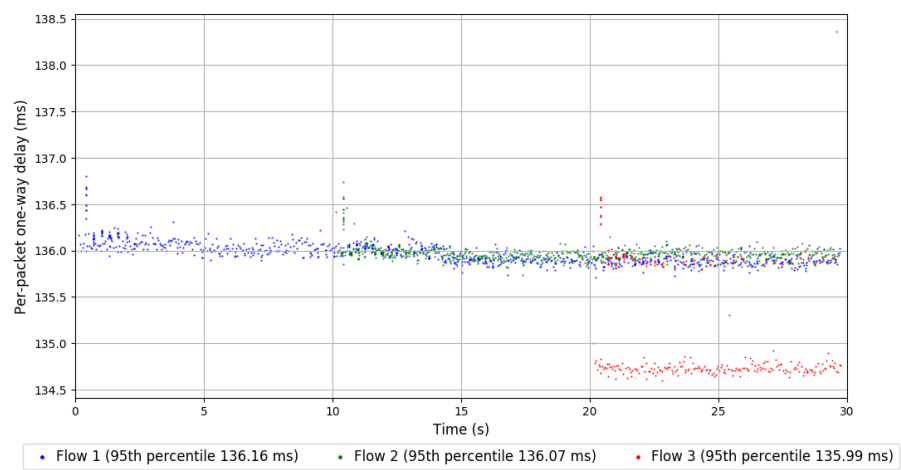
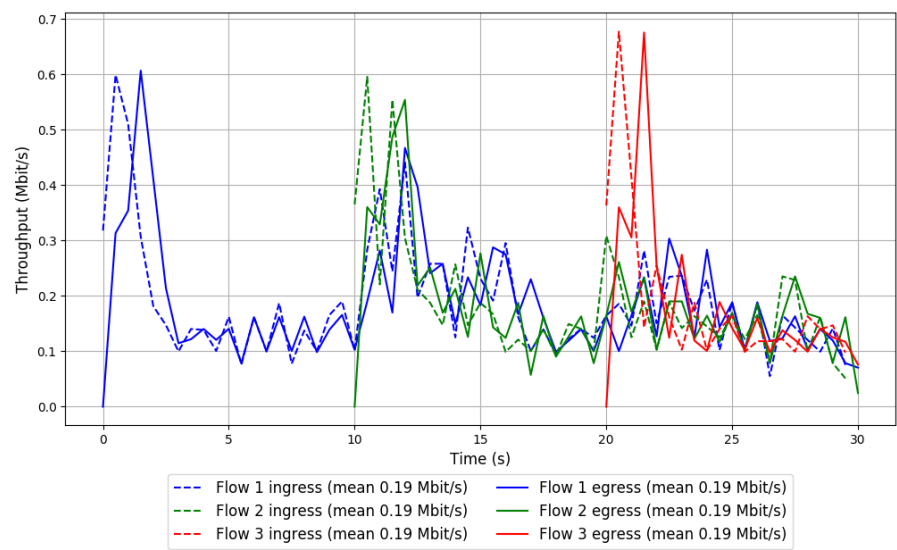


Run 8: Statistics of Sprout

Start at: 2018-07-26 07:49:17
End at: 2018-07-26 07:49:47
Local clock offset: -0.099 ms
Remote clock offset: 0.242 ms

```
# Below is generated by plot.py at 2018-07-26 11:39:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.145 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.163 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.067 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 135.994 ms
Loss rate: 2.44%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-26 08:16:07

End at: 2018-07-26 08:16:37

Local clock offset: -0.148 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 136.249 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.950 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 0.20 Mbit/s

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

Loss rate: 0.90%

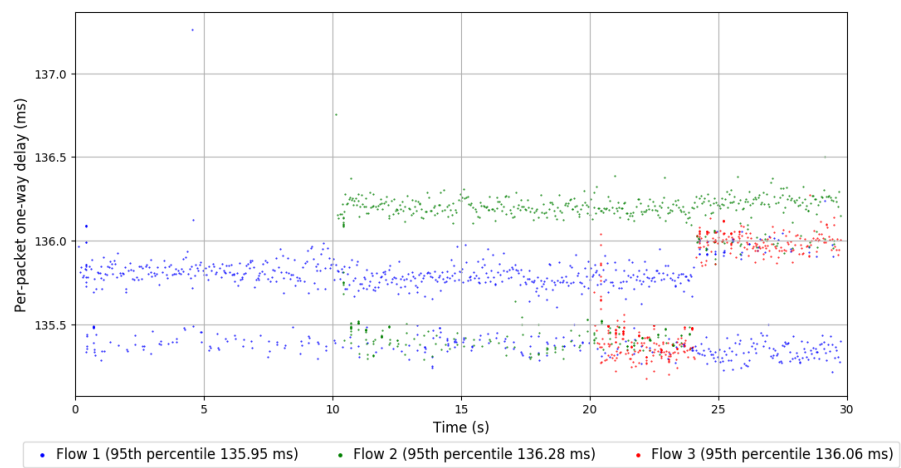
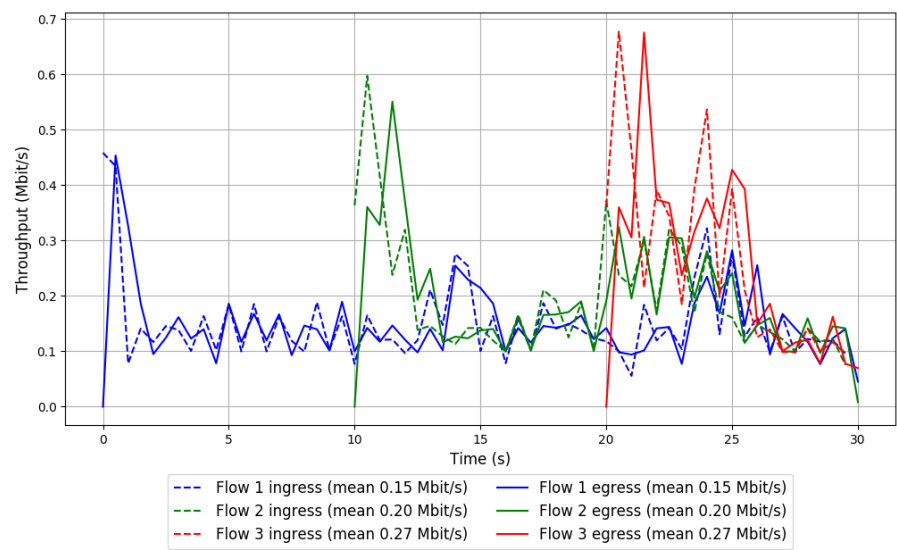
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 136.062 ms

Loss rate: 1.32%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-26 08:42:45

End at: 2018-07-26 08:43:15

Local clock offset: -0.059 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-26 11:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.439 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 136.417 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.464 ms

Loss rate: 1.79%

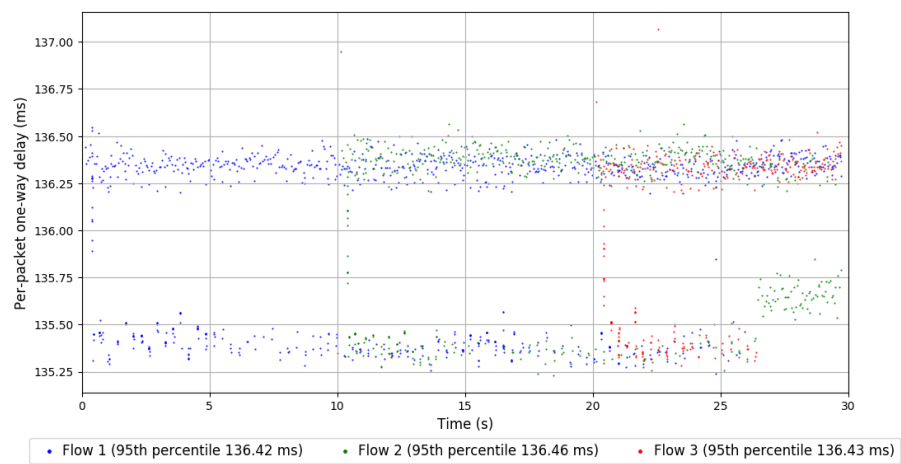
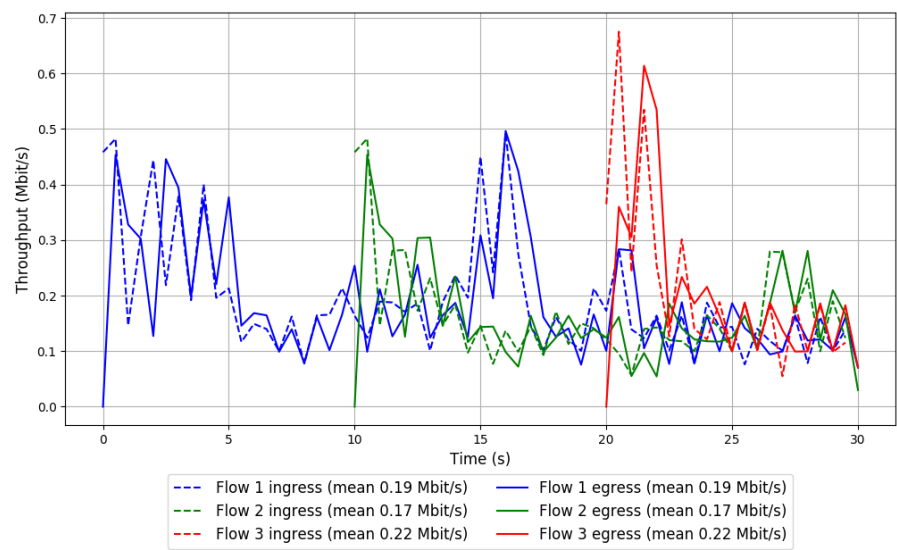
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.431 ms

Loss rate: 1.13%

Run 10: Report of Sprout — Data Link

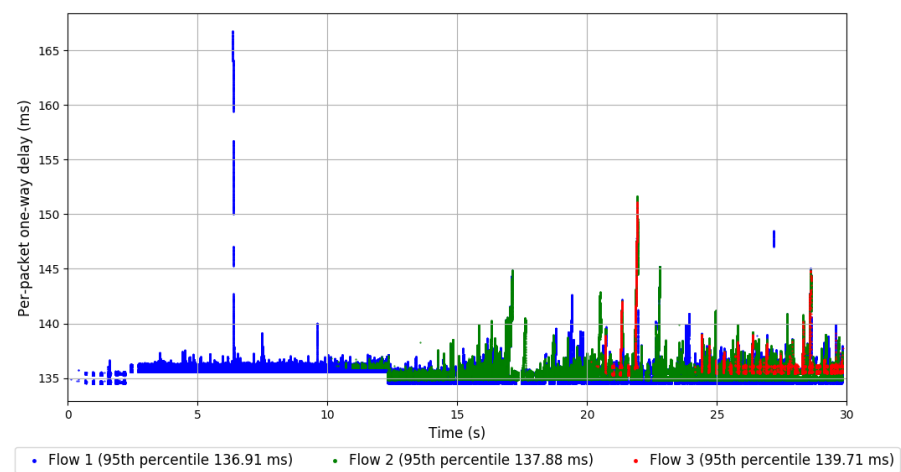
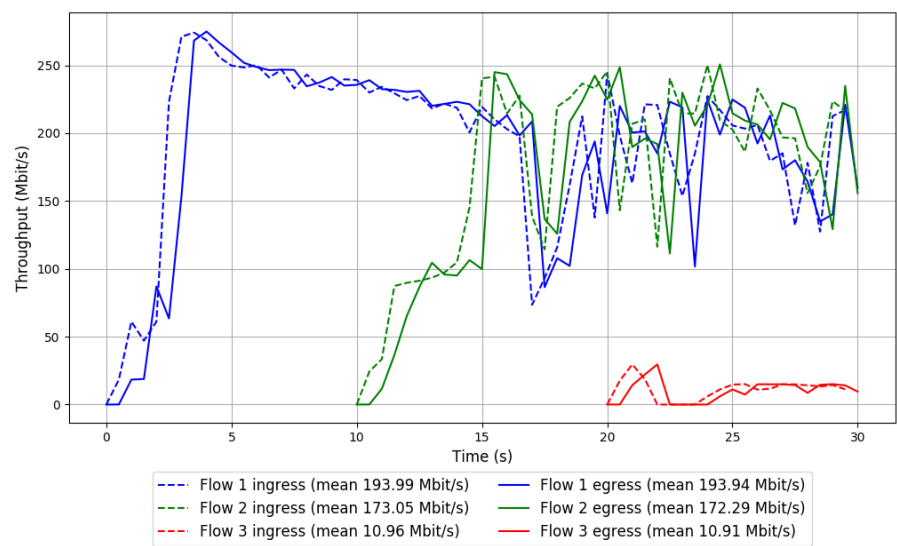


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-26 04:53:59
End at: 2018-07-26 04:54:29
Local clock offset: 0.086 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-07-26 11:47:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.75 Mbit/s
95th percentile per-packet one-way delay: 137.341 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 193.94 Mbit/s
95th percentile per-packet one-way delay: 136.906 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 172.29 Mbit/s
95th percentile per-packet one-way delay: 137.880 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 139.710 ms
Loss rate: 3.18%
```


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

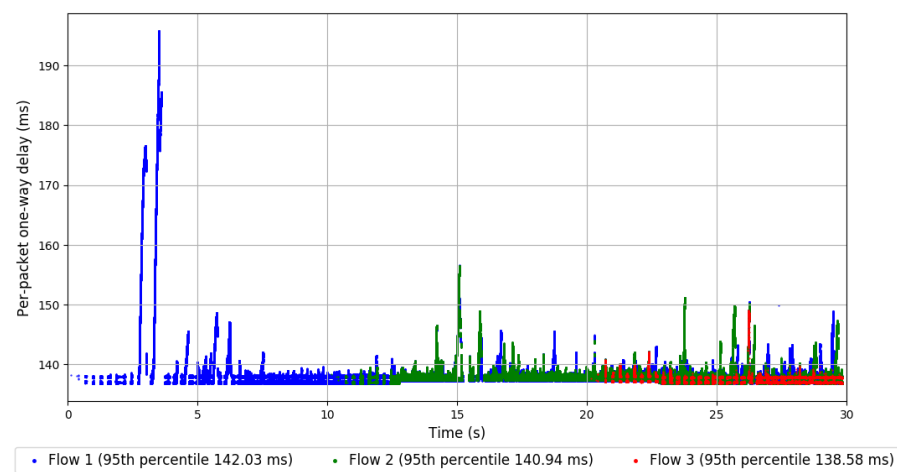
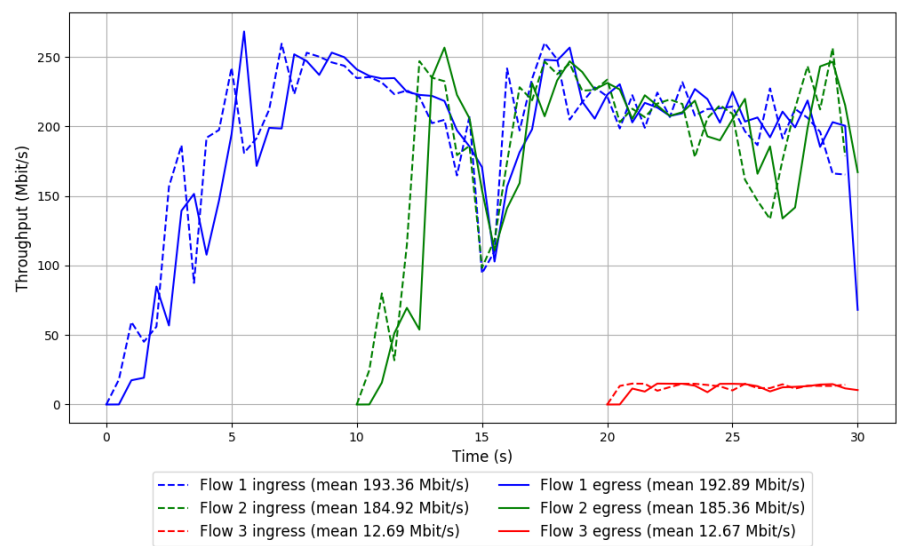


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-26 05:21:18
End at: 2018-07-26 05:21:48
Local clock offset: 1.806 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-07-26 11:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 319.91 Mbit/s
95th percentile per-packet one-way delay: 141.527 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 192.89 Mbit/s
95th percentile per-packet one-way delay: 142.026 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 185.36 Mbit/s
95th percentile per-packet one-way delay: 140.936 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 138.579 ms
Loss rate: 2.91%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-26 05:48:33

End at: 2018-07-26 05:49:03

Local clock offset: 0.133 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-26 11:47:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.39 Mbit/s

95th percentile per-packet one-way delay: 136.500 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 182.48 Mbit/s

95th percentile per-packet one-way delay: 136.504 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 13.16 Mbit/s

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

Loss rate: 1.39%

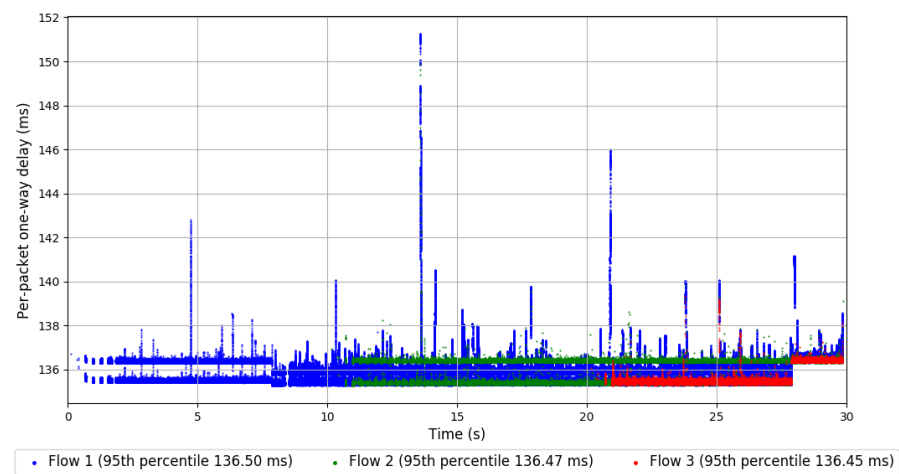
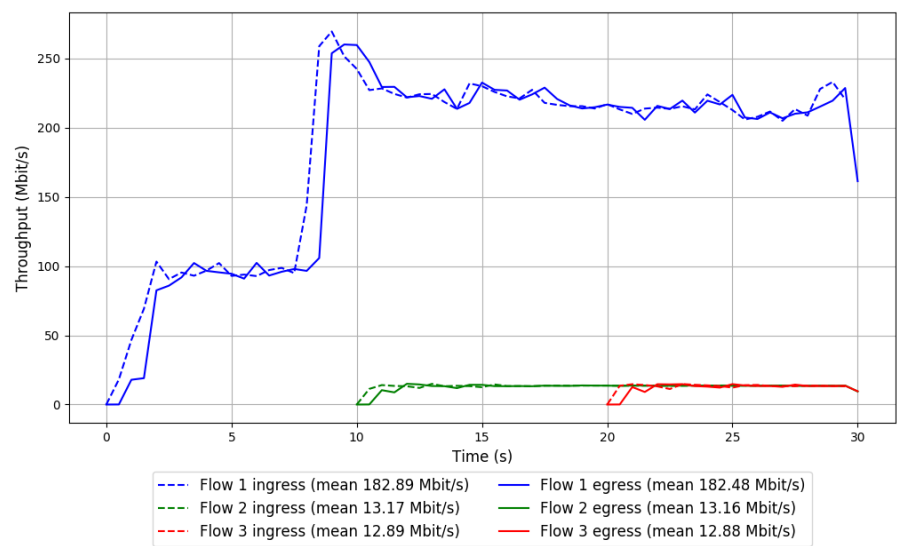
-- Flow 3:

Average throughput: 12.88 Mbit/s

95th percentile per-packet one-way delay: 136.452 ms

Loss rate: 2.81%

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

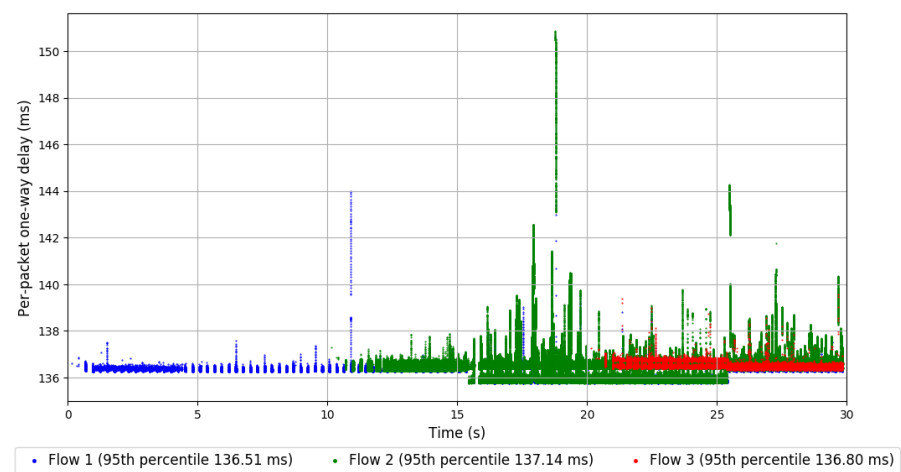
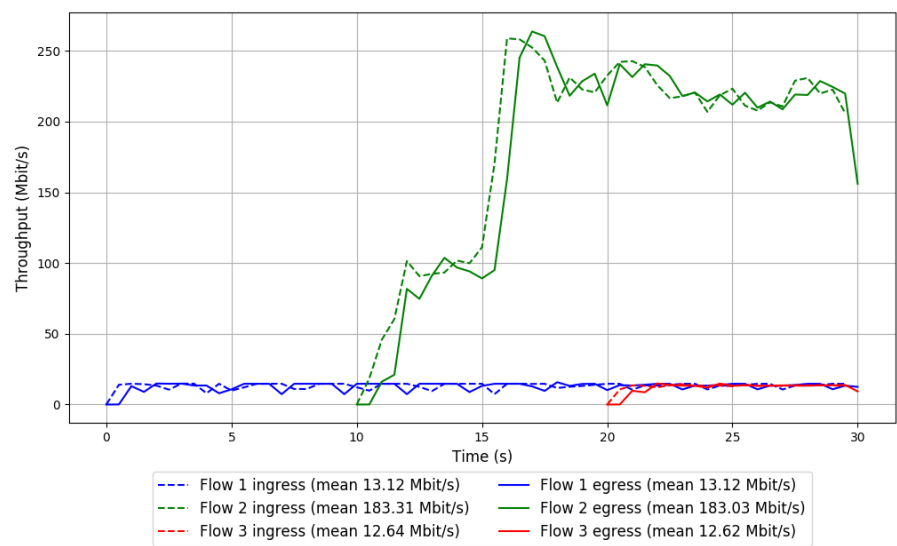


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-26 06:15:26
End at: 2018-07-26 06:15:56
Local clock offset: -0.013 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-07-26 11:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.61 Mbit/s
95th percentile per-packet one-way delay: 137.040 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 183.03 Mbit/s
95th percentile per-packet one-way delay: 137.142 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 136.803 ms
Loss rate: 2.91%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-26 06:41:58

End at: 2018-07-26 06:42:28

Local clock offset: -0.154 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-26 11:48:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.98 Mbit/s

95th percentile per-packet one-way delay: 143.860 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 159.54 Mbit/s

95th percentile per-packet one-way delay: 140.885 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 163.21 Mbit/s

95th percentile per-packet one-way delay: 144.108 ms

Loss rate: 0.00%

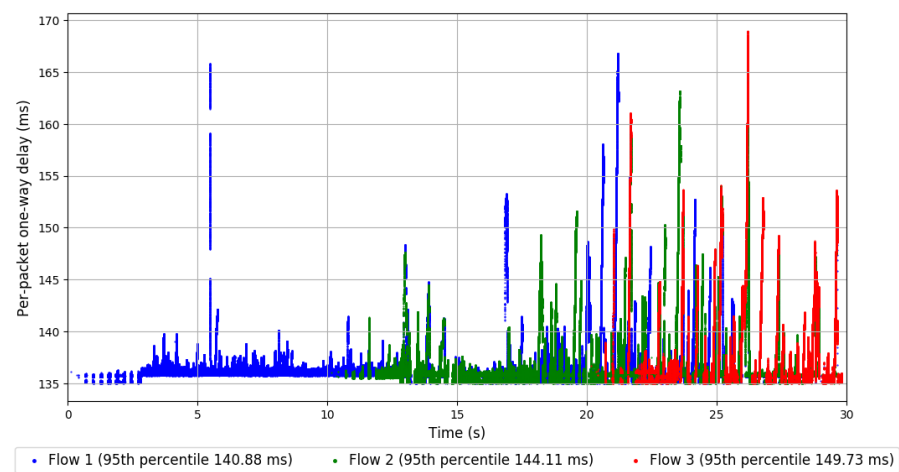
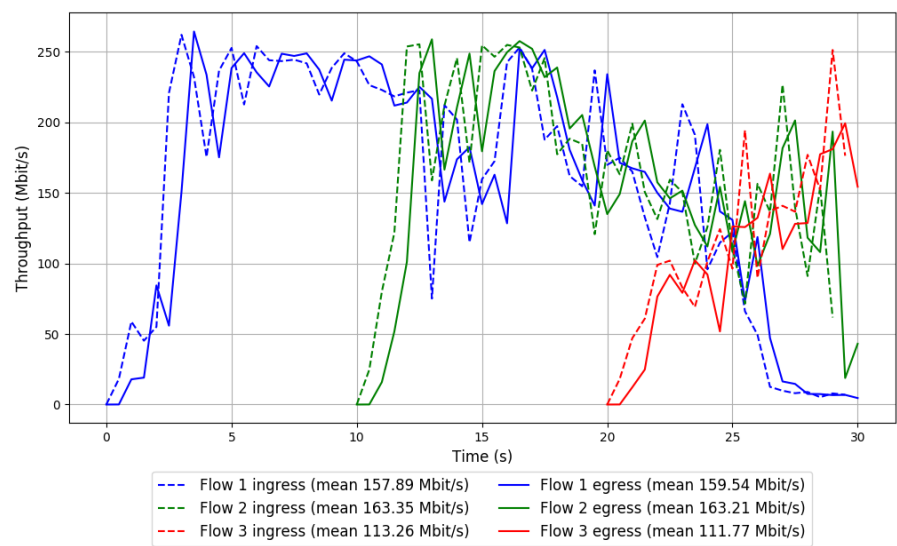
-- Flow 3:

Average throughput: 111.77 Mbit/s

95th percentile per-packet one-way delay: 149.729 ms

Loss rate: 4.39%

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

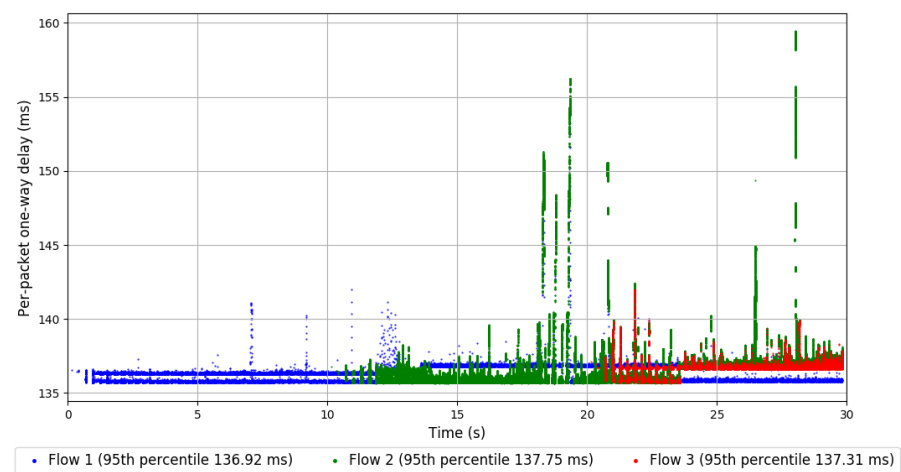
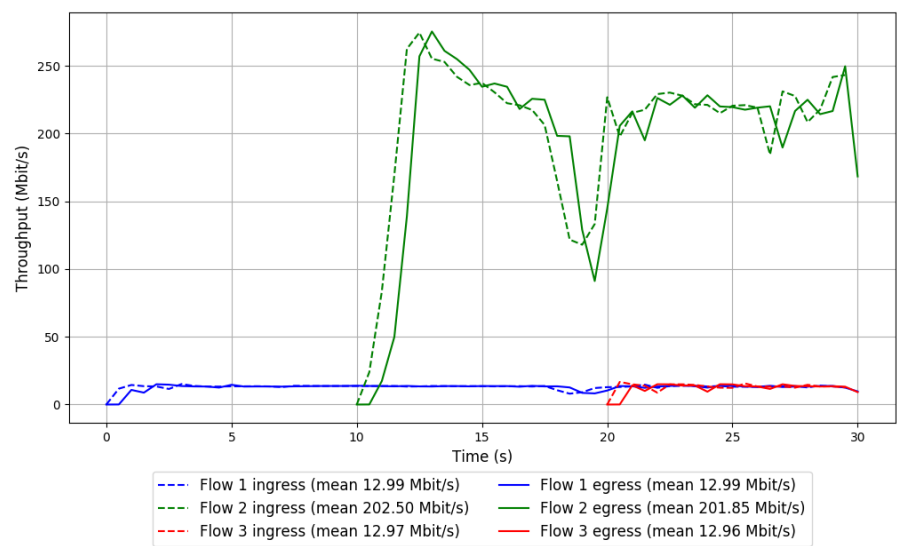


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-26 07:08:28
End at: 2018-07-26 07:08:58
Local clock offset: -0.012 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-07-26 11:48:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.10 Mbit/s
95th percentile per-packet one-way delay: 137.644 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 136.916 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 201.85 Mbit/s
95th percentile per-packet one-way delay: 137.748 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 137.305 ms
Loss rate: 2.84%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-26 07:35:05

End at: 2018-07-26 07:35:35

Local clock offset: -0.052 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-07-26 11:48:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 136.212 ms

Loss rate: 2.75%

-- Flow 1:

Average throughput: 13.37 Mbit/s

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

Loss rate: 0.93%

-- Flow 2:

Average throughput: 13.20 Mbit/s

95th percentile per-packet one-way delay: 135.943 ms

Loss rate: 1.41%

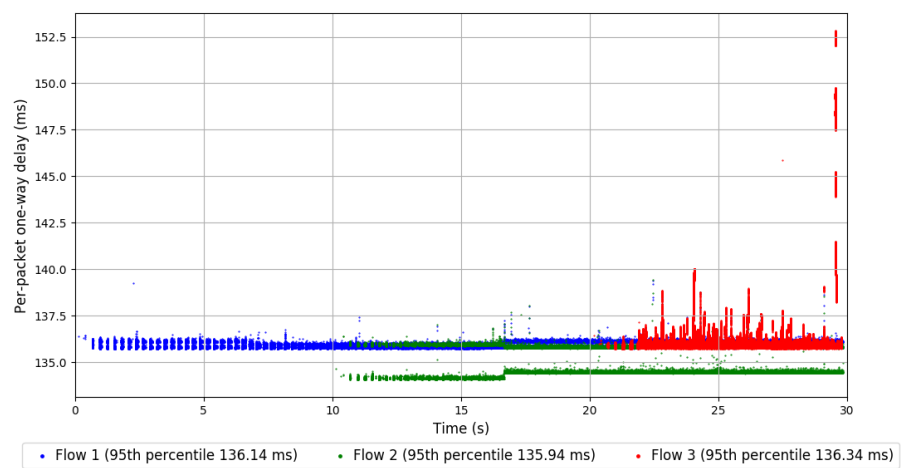
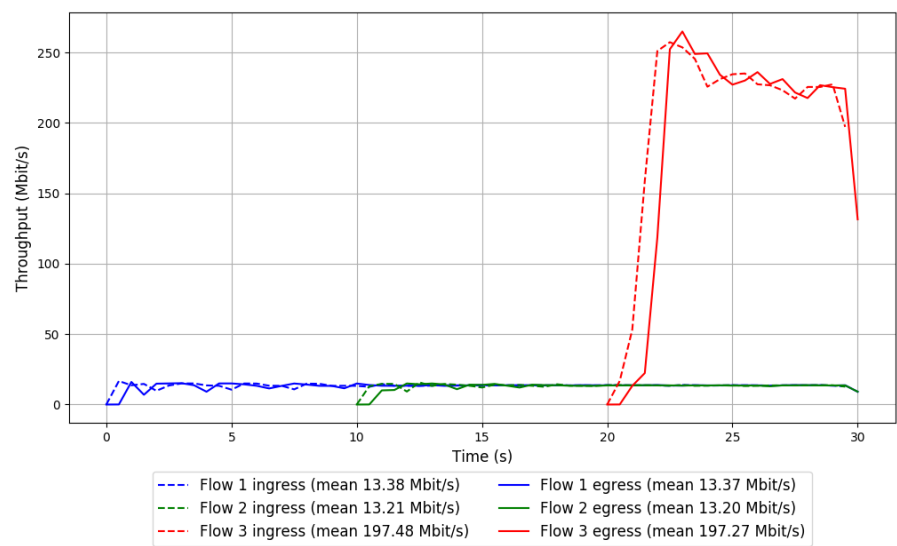
-- Flow 3:

Average throughput: 197.27 Mbit/s

95th percentile per-packet one-way delay: 136.345 ms

Loss rate: 3.30%

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

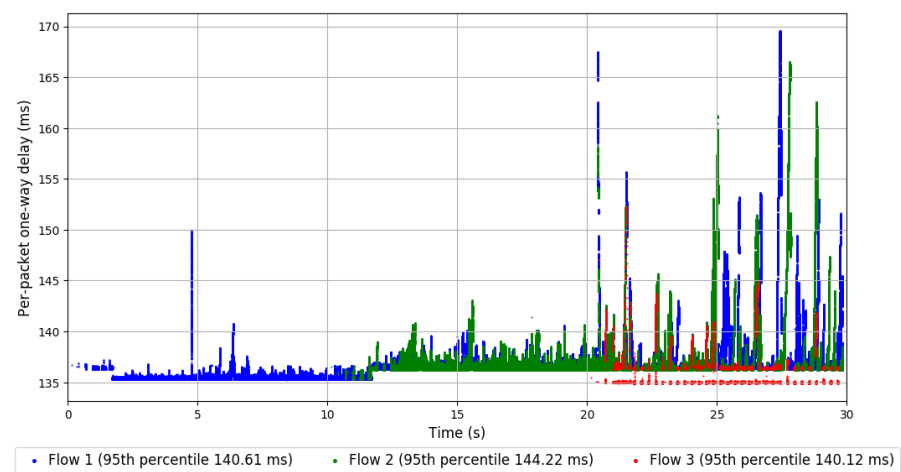
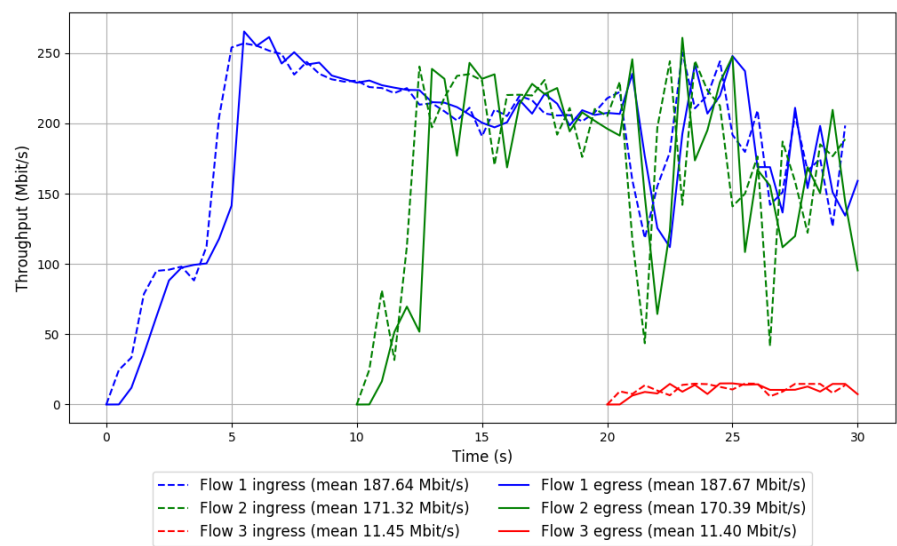


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-26 08:01:40
End at: 2018-07-26 08:02:10
Local clock offset: 0.021 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-26 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.31 Mbit/s
95th percentile per-packet one-way delay: 142.056 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 187.67 Mbit/s
95th percentile per-packet one-way delay: 140.607 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 170.39 Mbit/s
95th percentile per-packet one-way delay: 144.218 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 140.123 ms
Loss rate: 3.27%

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

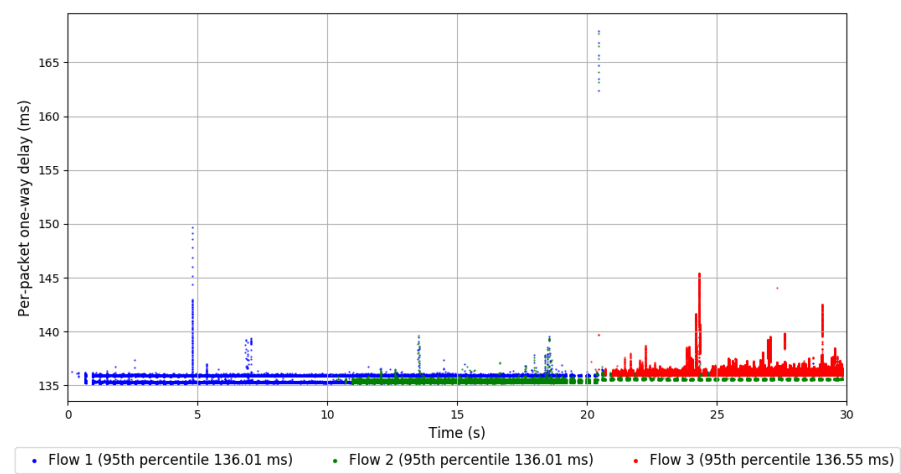
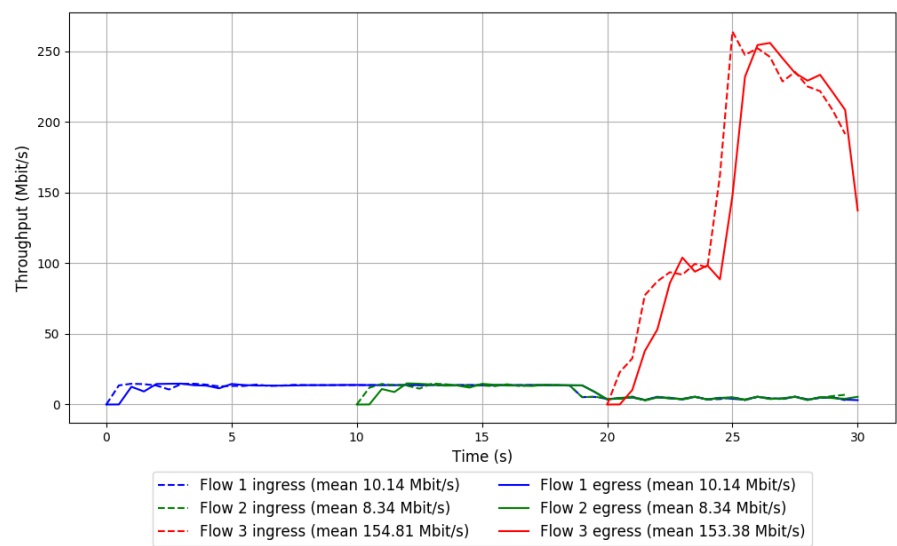


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-26 08:28:41
End at: 2018-07-26 08:29:11
Local clock offset: -0.071 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-26 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 136.467 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 136.006 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 136.014 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 153.38 Mbit/s
95th percentile per-packet one-way delay: 136.551 ms
Loss rate: 3.67%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-26 08:54:47

End at: 2018-07-26 08:55:17

Local clock offset: -0.054 ms

Remote clock offset: 0.347 ms

Below is generated by plot.py at 2018-07-26 11:52:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 141.56 Mbit/s

95th percentile per-packet one-way delay: 136.133 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 11.38 Mbit/s

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

Loss rate: 0.36%

-- Flow 2:

Average throughput: 190.00 Mbit/s

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

Loss rate: 1.54%

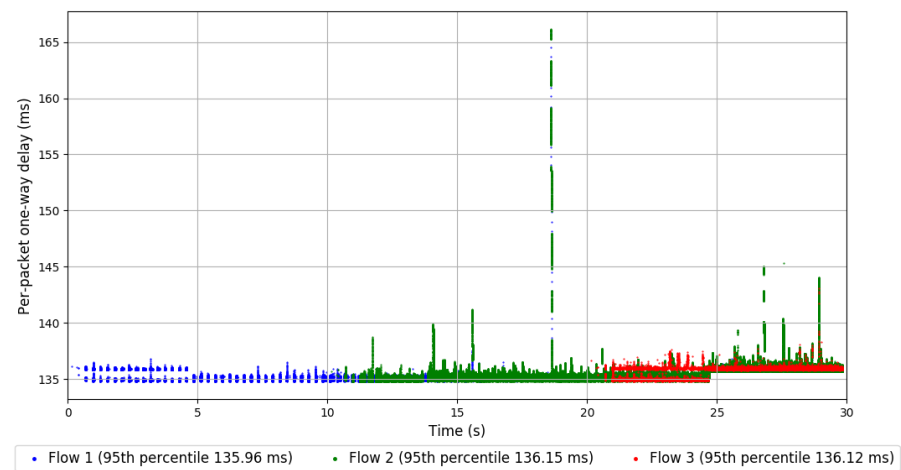
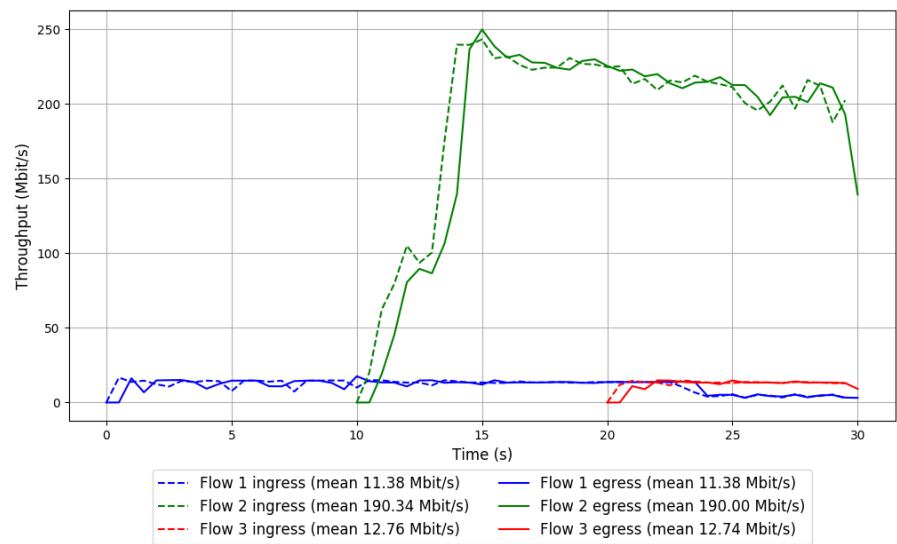
-- Flow 3:

Average throughput: 12.74 Mbit/s

95th percentile per-packet one-way delay: 136.120 ms

Loss rate: 2.94%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-26 04:47:29

End at: 2018-07-26 04:47:59

Local clock offset: -0.17 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-07-26 11:52:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 157.31 Mbit/s

95th percentile per-packet one-way delay: 148.809 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 148.410 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 79.46 Mbit/s

95th percentile per-packet one-way delay: 149.659 ms

Loss rate: 1.52%

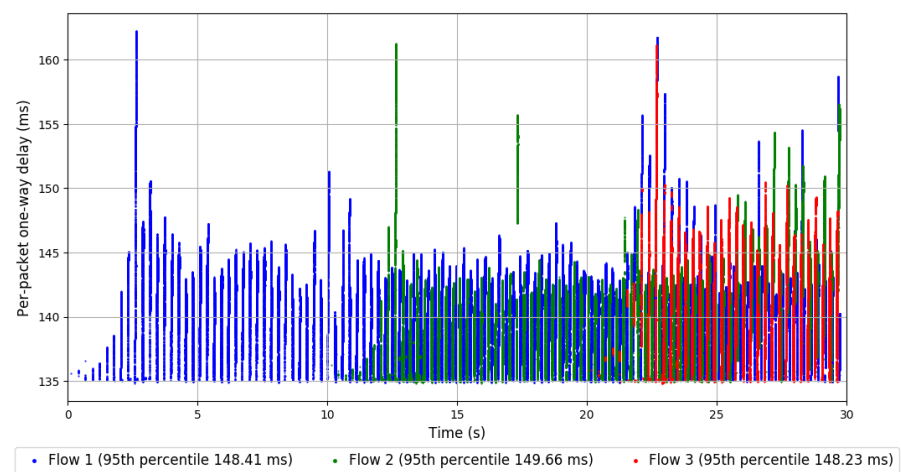
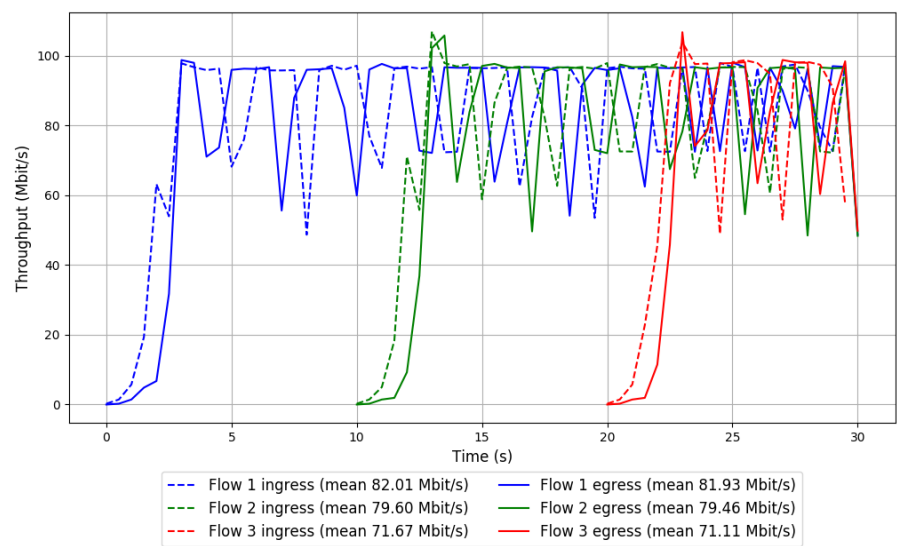
-- Flow 3:

Average throughput: 71.11 Mbit/s

95th percentile per-packet one-way delay: 148.228 ms

Loss rate: 3.51%

Run 1: Report of TCP Vegas — Data Link

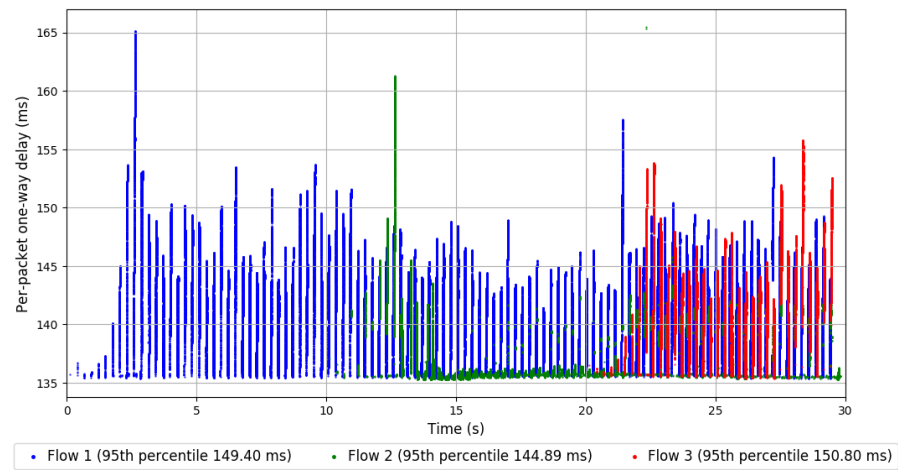
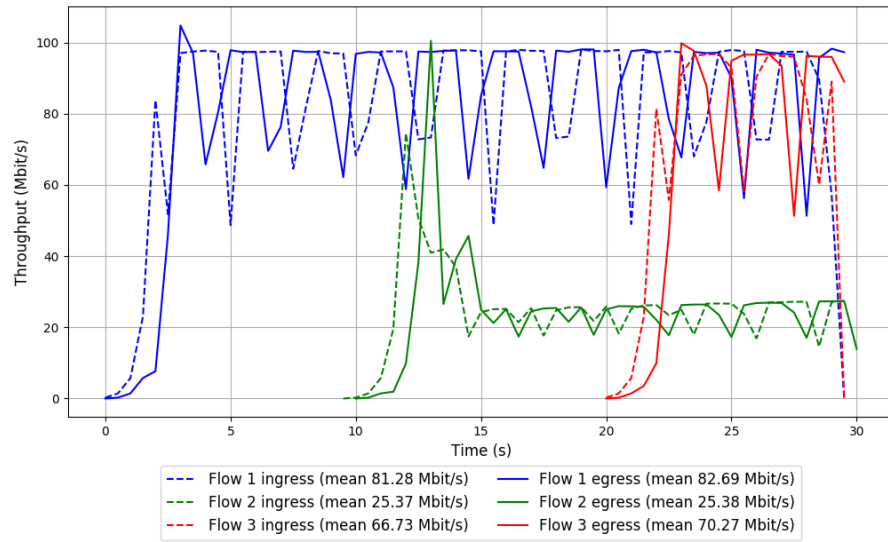


Run 2: Statistics of TCP Vegas

Start at: 2018-07-26 05:14:46
End at: 2018-07-26 05:15:16
Local clock offset: -0.111 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-26 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.56 Mbit/s
95th percentile per-packet one-way delay: 149.511 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 82.69 Mbit/s
95th percentile per-packet one-way delay: 149.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 144.894 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 150.802 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-26 05:42:05

End at: 2018-07-26 05:42:35

Local clock offset: 1.773 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-26 11:52:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.83 Mbit/s

95th percentile per-packet one-way delay: 147.359 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 147.823 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 146.803 ms

Loss rate: 1.34%

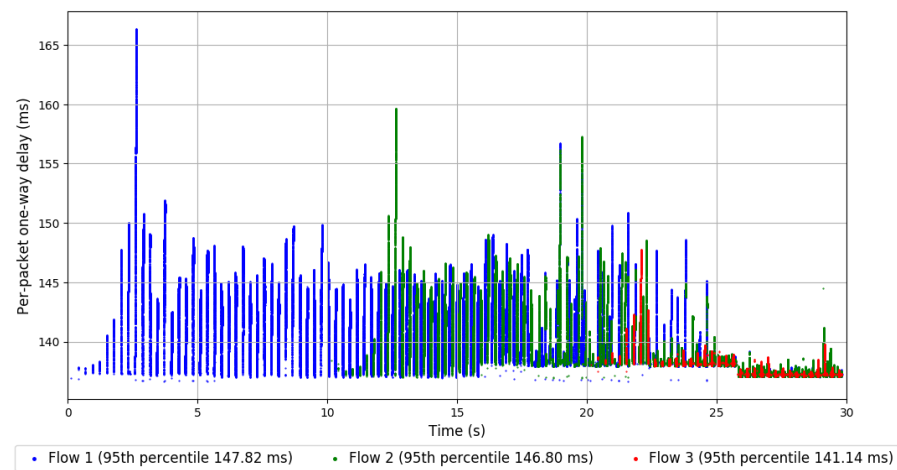
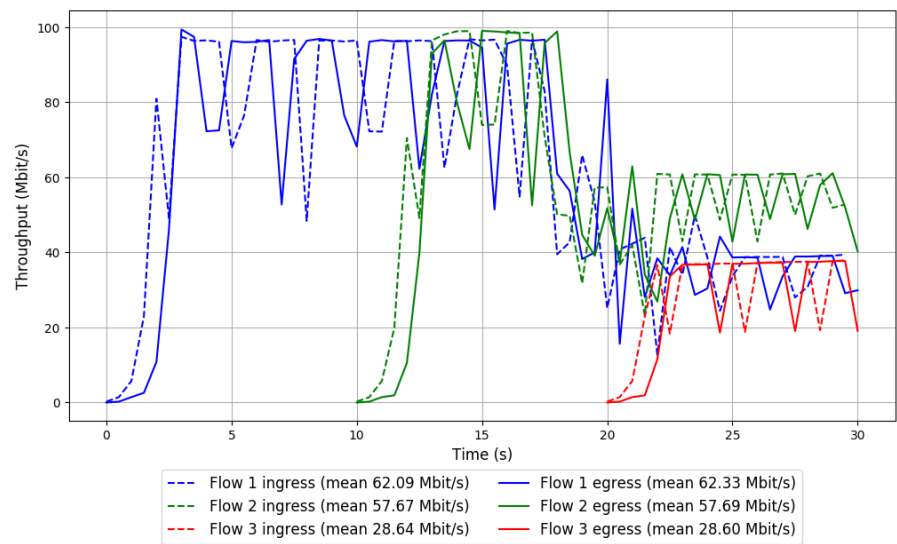
-- Flow 3:

Average throughput: 28.60 Mbit/s

95th percentile per-packet one-way delay: 141.138 ms

Loss rate: 3.33%

Run 3: Report of TCP Vegas — Data Link

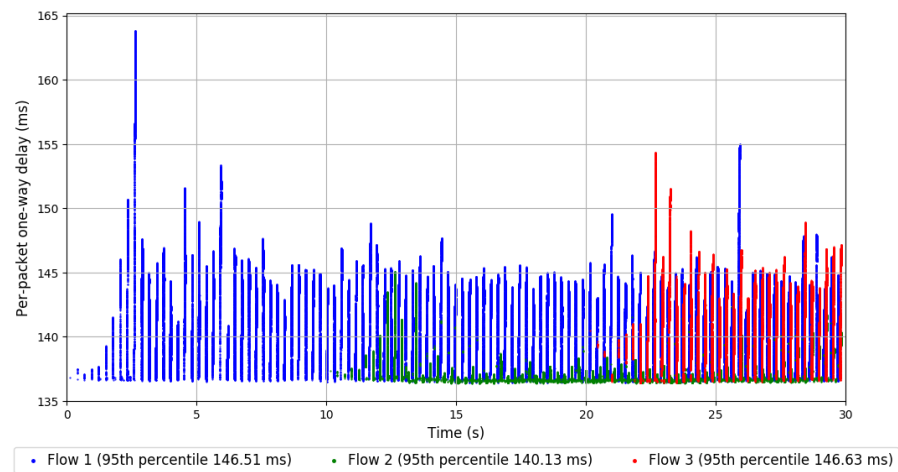
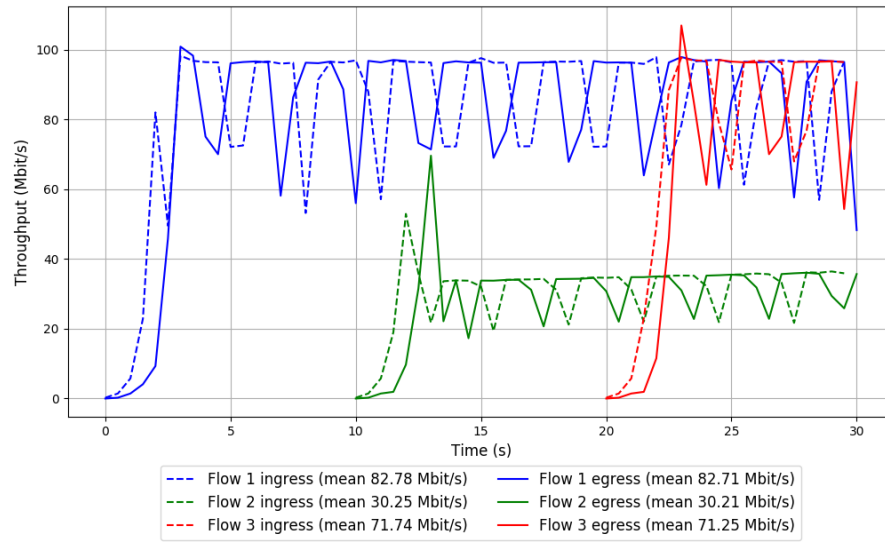


Run 4: Statistics of TCP Vegas

Start at: 2018-07-26 06:08:57
End at: 2018-07-26 06:09:27
Local clock offset: 0.143 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-07-26 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.63 Mbit/s
95th percentile per-packet one-way delay: 146.234 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 146.509 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 140.135 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 71.25 Mbit/s
95th percentile per-packet one-way delay: 146.626 ms
Loss rate: 3.38%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-26 06:35:24

End at: 2018-07-26 06:35:54

Local clock offset: -0.072 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-07-26 11:52:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.20 Mbit/s

95th percentile per-packet one-way delay: 148.678 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 75.79 Mbit/s

95th percentile per-packet one-way delay: 148.740 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 149.219 ms

Loss rate: 1.53%

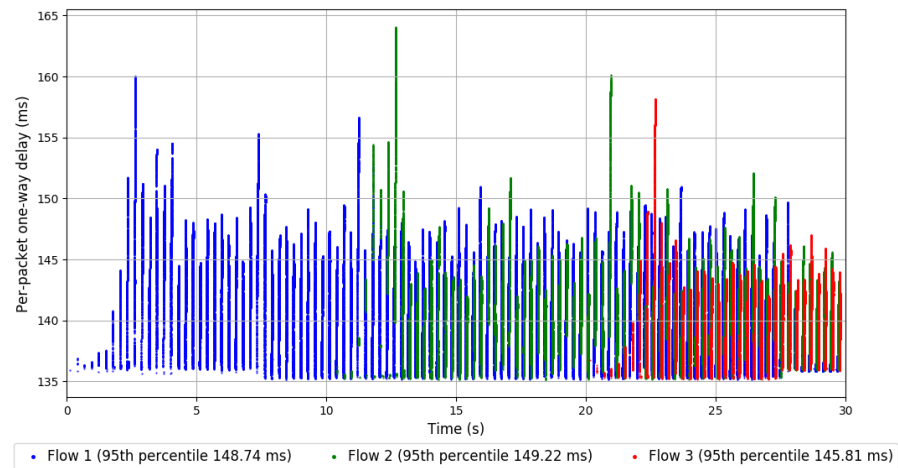
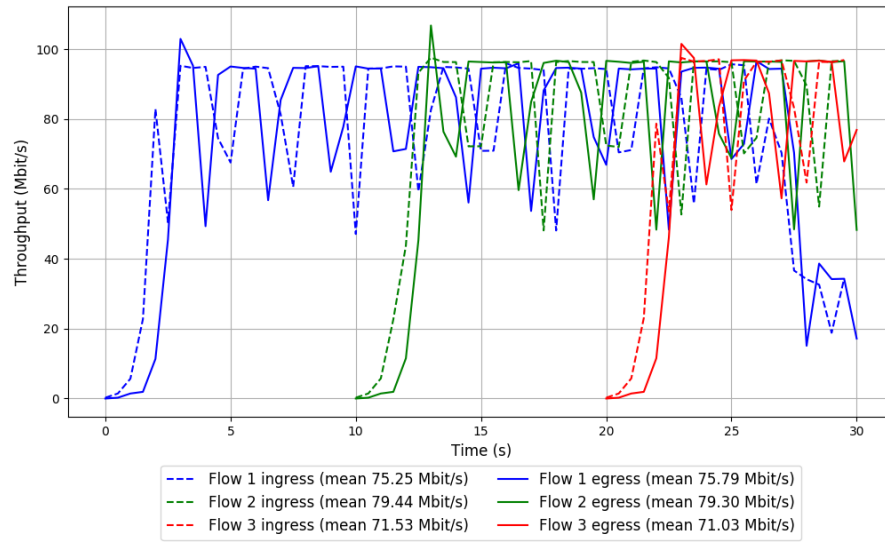
-- Flow 3:

Average throughput: 71.03 Mbit/s

95th percentile per-packet one-way delay: 145.810 ms

Loss rate: 3.41%

Run 5: Report of TCP Vegas — Data Link

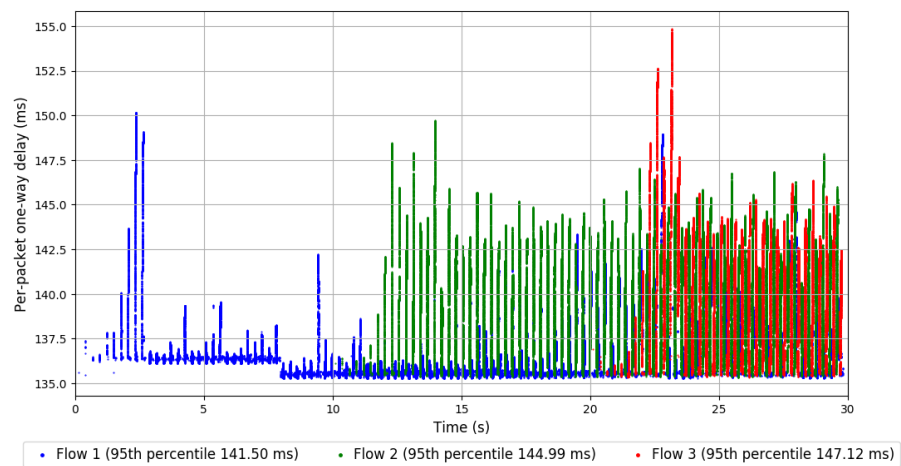
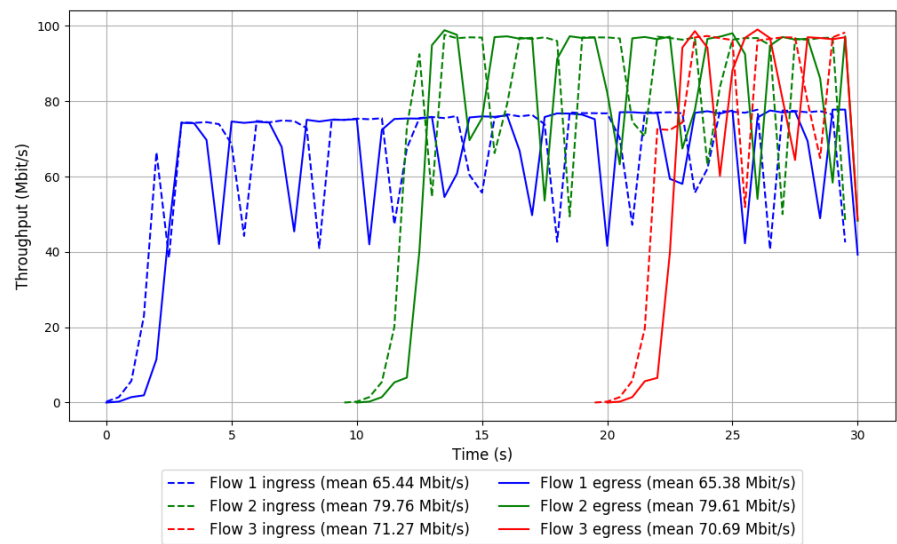


Run 6: Statistics of TCP Vegas

Start at: 2018-07-26 07:02:03
End at: 2018-07-26 07:02:33
Local clock offset: 0.012 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-26 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.68 Mbit/s
95th percentile per-packet one-way delay: 144.795 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 65.38 Mbit/s
95th percentile per-packet one-way delay: 141.503 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 79.61 Mbit/s
95th percentile per-packet one-way delay: 144.990 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 70.69 Mbit/s
95th percentile per-packet one-way delay: 147.118 ms
Loss rate: 3.52%

Run 6: Report of TCP Vegas — Data Link

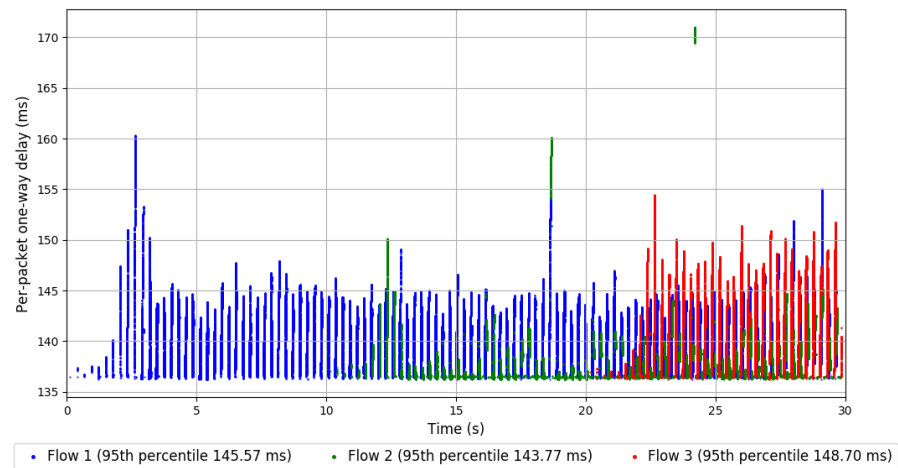
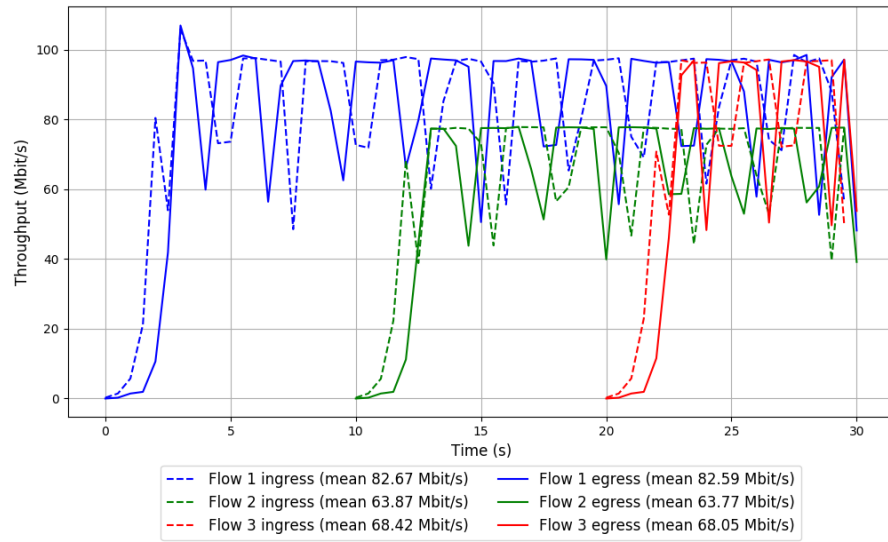


Run 7: Statistics of TCP Vegas

Start at: 2018-07-26 07:28:43
End at: 2018-07-26 07:29:13
Local clock offset: -0.019 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-26 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.42 Mbit/s
95th percentile per-packet one-way delay: 146.761 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 145.569 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 63.77 Mbit/s
95th percentile per-packet one-way delay: 143.770 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 148.698 ms
Loss rate: 3.27%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-26 07:55:23

End at: 2018-07-26 07:55:53

Local clock offset: 0.013 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2018-07-26 11:52:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.11 Mbit/s

95th percentile per-packet one-way delay: 146.178 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 82.88 Mbit/s

95th percentile per-packet one-way delay: 146.918 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 37.84 Mbit/s

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

Loss rate: 1.47%

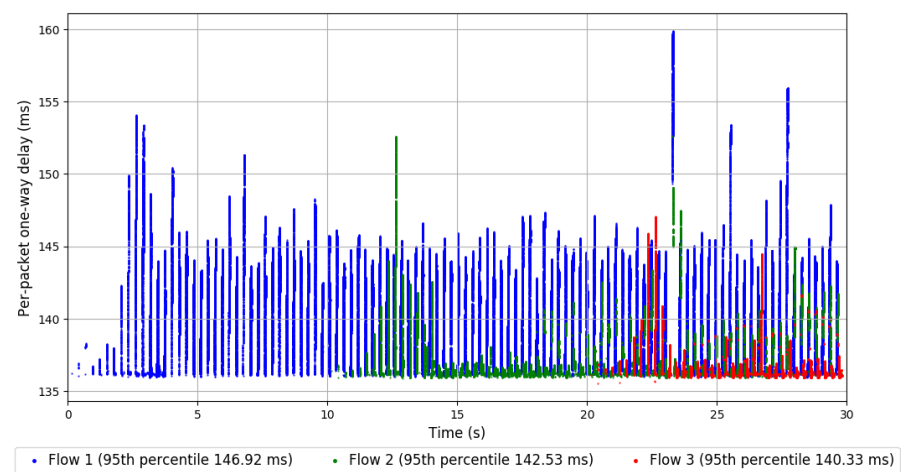
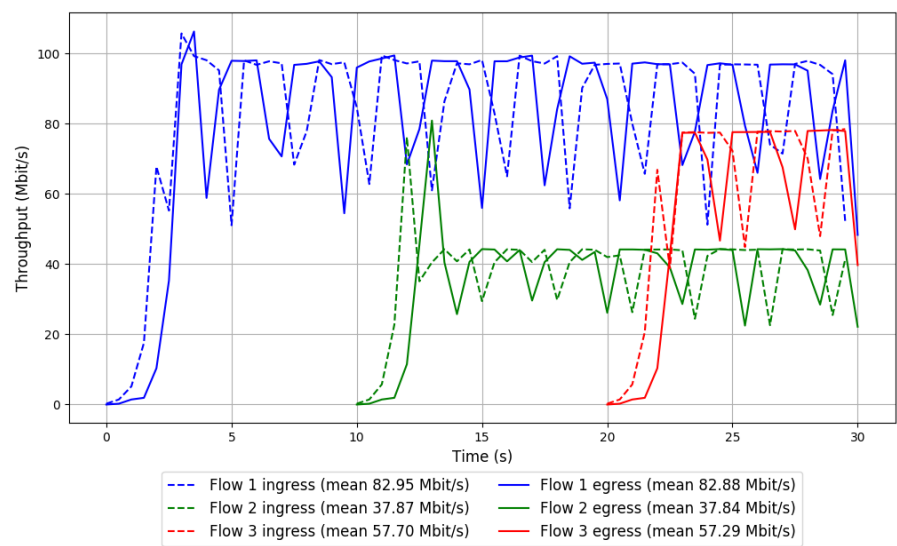
-- Flow 3:

Average throughput: 57.29 Mbit/s

95th percentile per-packet one-way delay: 140.331 ms

Loss rate: 3.43%

Run 8: Report of TCP Vegas — Data Link

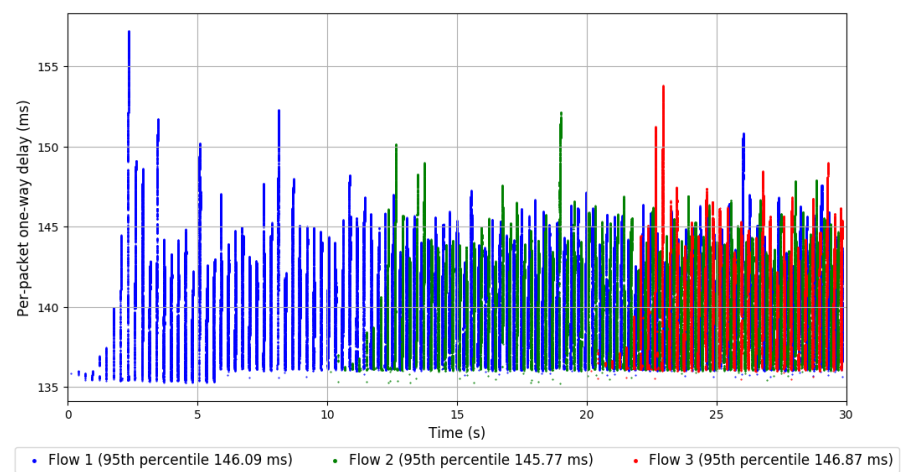
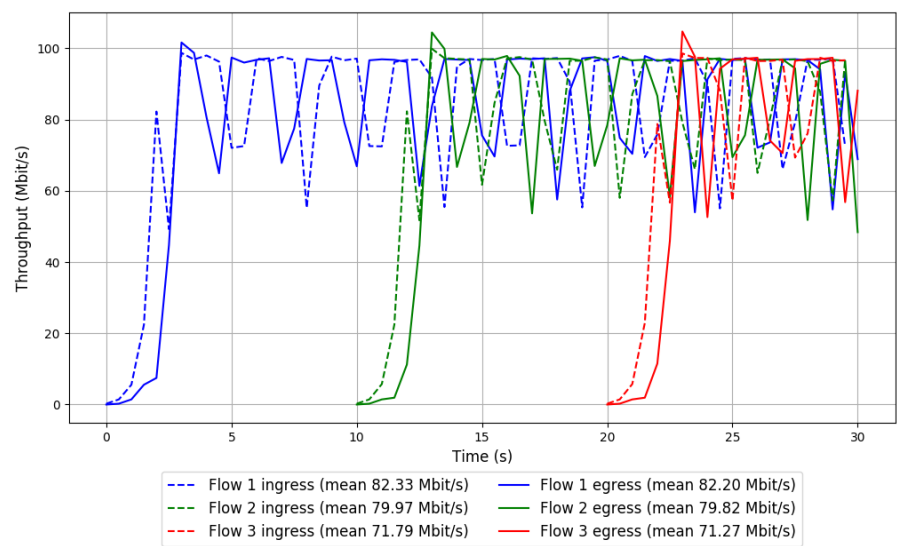


Run 9: Statistics of TCP Vegas

Start at: 2018-07-26 08:22:15
End at: 2018-07-26 08:22:46
Local clock offset: -0.041 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-26 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.97 Mbit/s
95th percentile per-packet one-way delay: 146.099 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 82.20 Mbit/s
95th percentile per-packet one-way delay: 146.094 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 145.768 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 71.27 Mbit/s
95th percentile per-packet one-way delay: 146.865 ms
Loss rate: 3.38%

Run 9: Report of TCP Vegas — Data Link

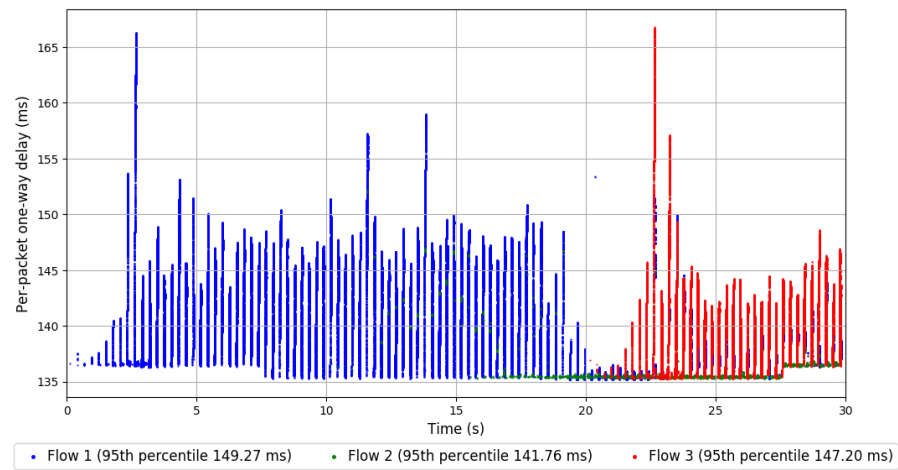
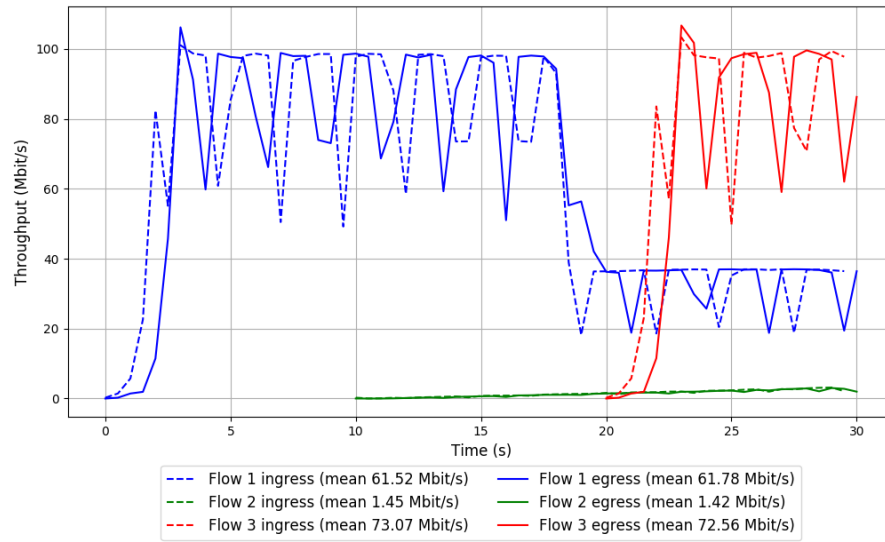


Run 10: Statistics of TCP Vegas

Start at: 2018-07-26 08:48:44
End at: 2018-07-26 08:49:14
Local clock offset: -0.054 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-26 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 149.081 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 149.267 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 141.760 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 147.199 ms
Loss rate: 3.36%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-26 04:48:54

End at: 2018-07-26 04:49:24

Local clock offset: 0.145 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-26 11:53:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.69 Mbit/s

95th percentile per-packet one-way delay: 246.400 ms

Loss rate: 4.01%

-- Flow 1:

Average throughput: 141.44 Mbit/s

95th percentile per-packet one-way delay: 266.377 ms

Loss rate: 3.65%

-- Flow 2:

Average throughput: 64.85 Mbit/s

95th percentile per-packet one-way delay: 228.683 ms

Loss rate: 4.63%

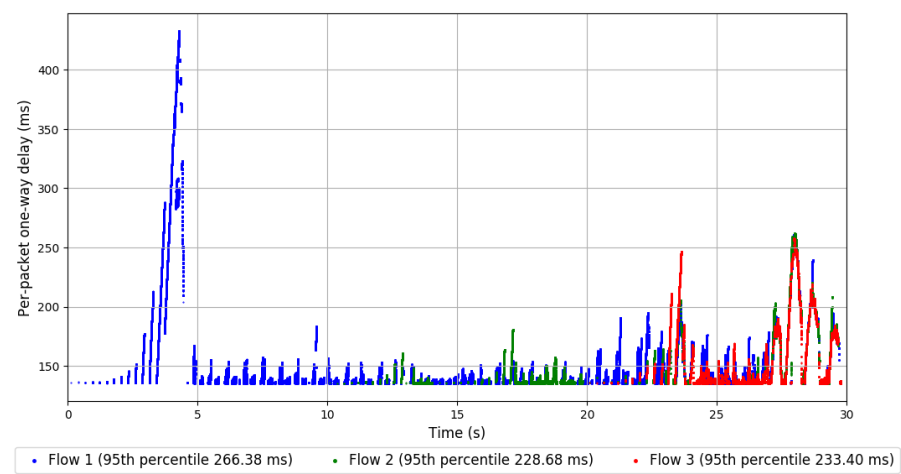
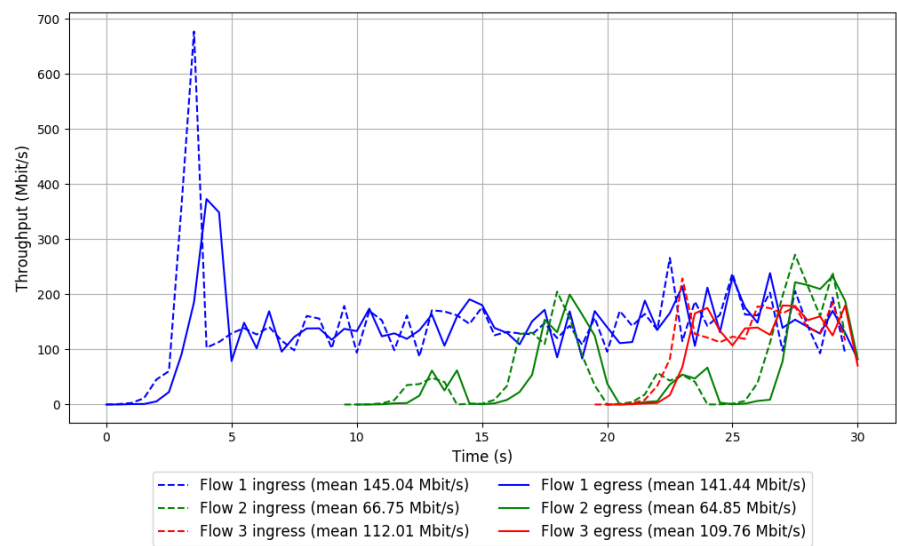
-- Flow 3:

Average throughput: 109.76 Mbit/s

95th percentile per-packet one-way delay: 233.403 ms

Loss rate: 4.67%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-26 05:16:08

End at: 2018-07-26 05:16:38

Local clock offset: 0.072 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-26 11:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.94 Mbit/s

95th percentile per-packet one-way delay: 219.824 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 176.66 Mbit/s

95th percentile per-packet one-way delay: 198.167 ms

Loss rate: 1.92%

-- Flow 2:

Average throughput: 128.10 Mbit/s

95th percentile per-packet one-way delay: 228.039 ms

Loss rate: 1.31%

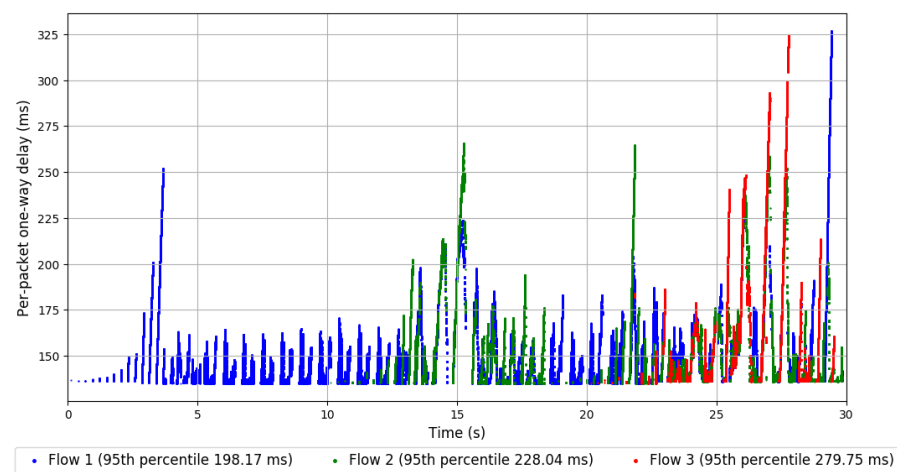
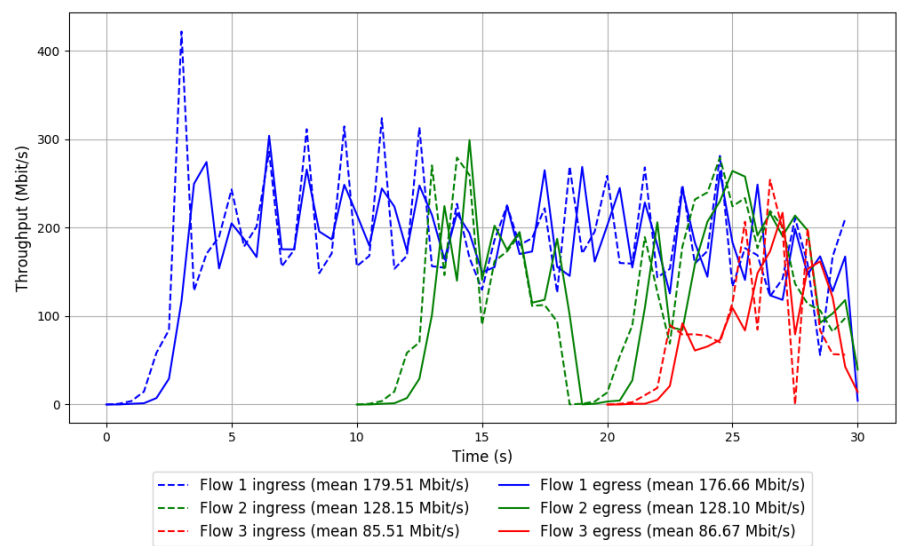
-- Flow 3:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 279.754 ms

Loss rate: 3.54%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-26 05:43:27

End at: 2018-07-26 05:43:57

Local clock offset: 0.082 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-07-26 11:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.27 Mbit/s

95th percentile per-packet one-way delay: 253.268 ms

Loss rate: 2.21%

-- Flow 1:

Average throughput: 112.55 Mbit/s

95th percentile per-packet one-way delay: 254.401 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 255.396 ms

Loss rate: 3.72%

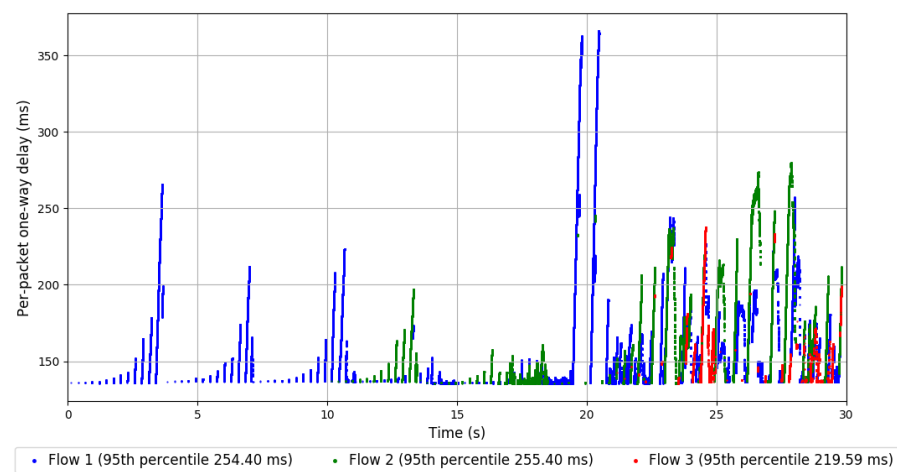
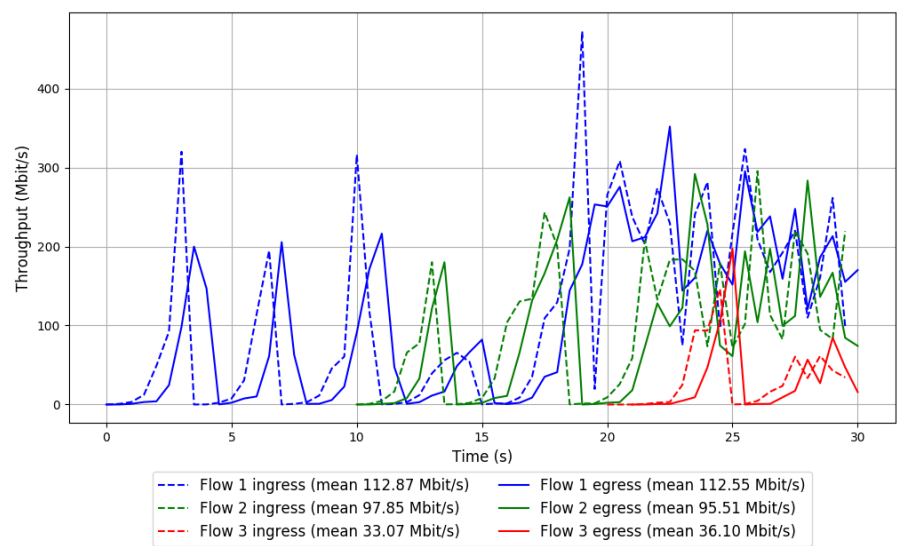
-- Flow 3:

Average throughput: 36.10 Mbit/s

95th percentile per-packet one-way delay: 219.592 ms

Loss rate: 2.88%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-26 06:10:20

End at: 2018-07-26 06:10:50

Local clock offset: 1.74 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-07-26 11:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.95 Mbit/s

95th percentile per-packet one-way delay: 294.602 ms

Loss rate: 2.63%

-- Flow 1:

Average throughput: 141.78 Mbit/s

95th percentile per-packet one-way delay: 296.128 ms

Loss rate: 2.68%

-- Flow 2:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 296.853 ms

Loss rate: 2.38%

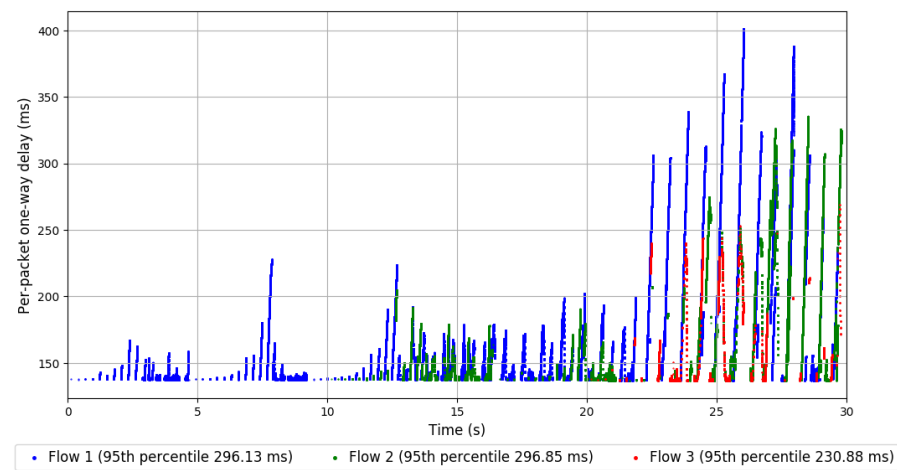
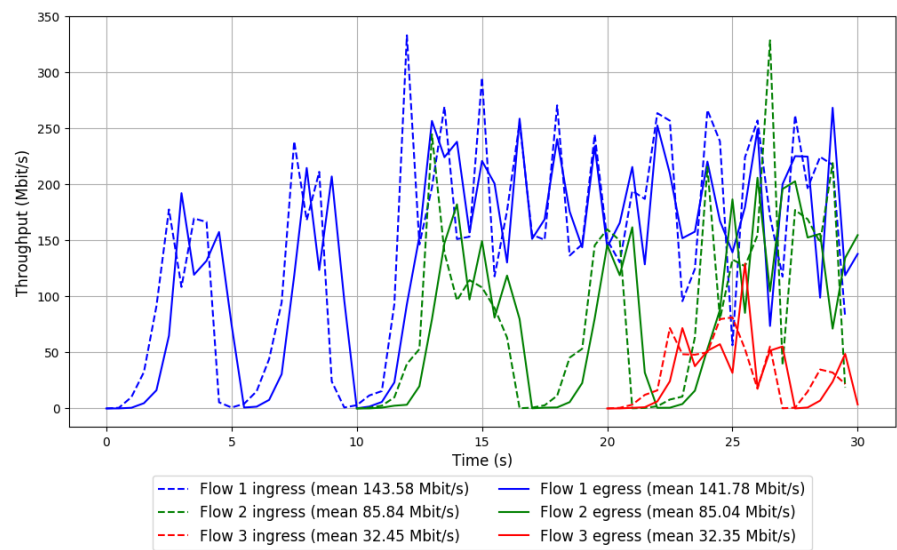
-- Flow 3:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 230.877 ms

Loss rate: 3.20%

Run 4: Report of Verus — Data Link

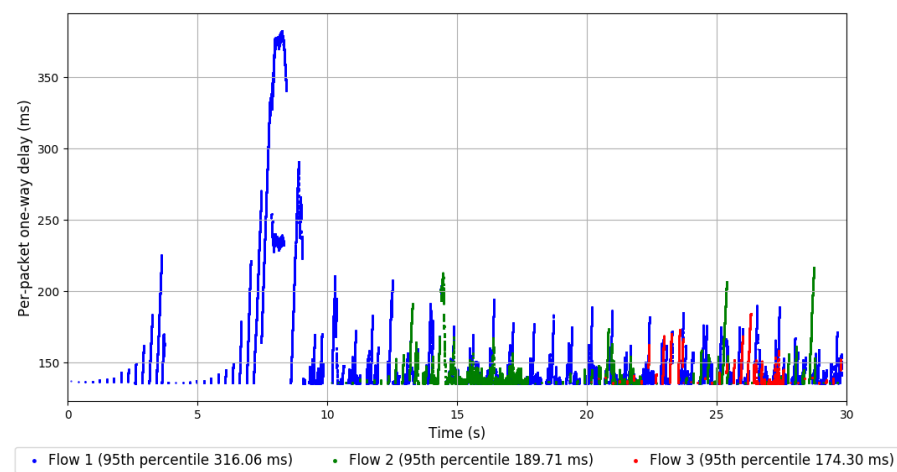
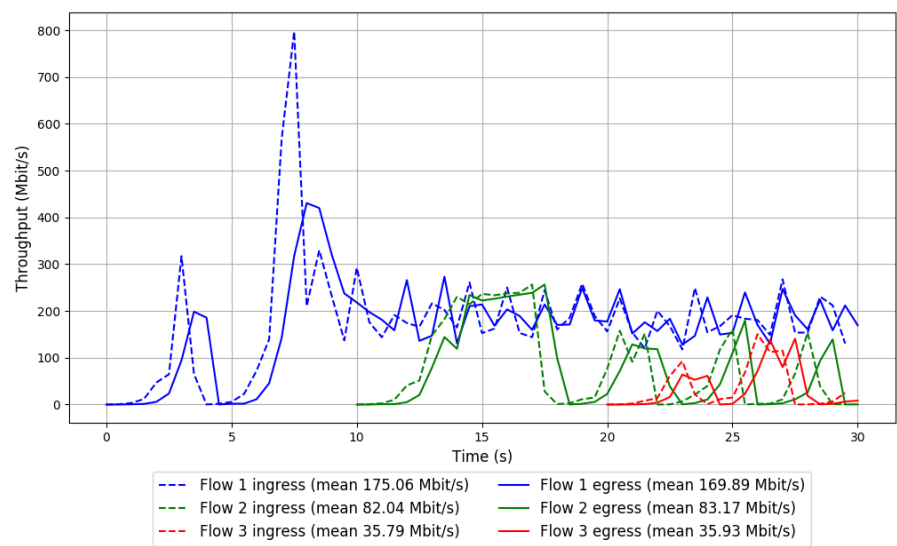


Run 5: Statistics of Verus

Start at: 2018-07-26 06:36:49
End at: 2018-07-26 06:37:19
Local clock offset: 0.067 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-07-26 11:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.15 Mbit/s
95th percentile per-packet one-way delay: 256.697 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 169.89 Mbit/s
95th percentile per-packet one-way delay: 316.057 ms
Loss rate: 3.84%
-- Flow 2:
Average throughput: 83.17 Mbit/s
95th percentile per-packet one-way delay: 189.705 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 174.303 ms
Loss rate: 2.36%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-26 07:03:27

End at: 2018-07-26 07:03:57

Local clock offset: 0.127 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-26 11:56:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.67 Mbit/s

95th percentile per-packet one-way delay: 371.664 ms

Loss rate: 10.29%

-- Flow 1:

Average throughput: 118.99 Mbit/s

95th percentile per-packet one-way delay: 191.161 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 128.58 Mbit/s

95th percentile per-packet one-way delay: 399.276 ms

Loss rate: 19.81%

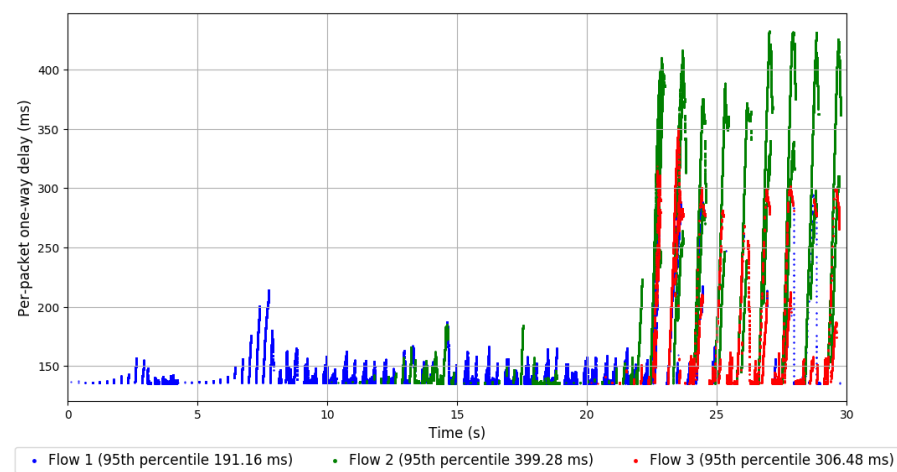
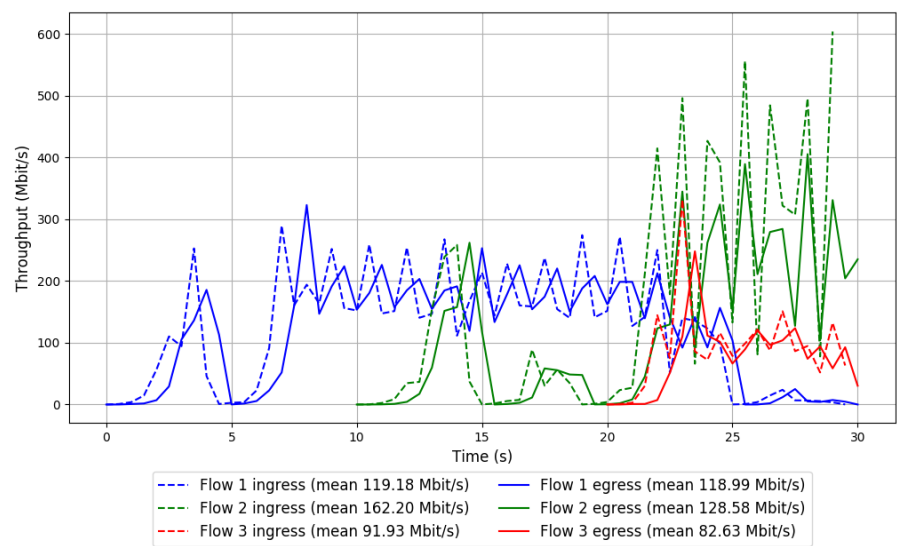
-- Flow 3:

Average throughput: 82.63 Mbit/s

95th percentile per-packet one-way delay: 306.477 ms

Loss rate: 13.38%

Run 6: Report of Verus — Data Link

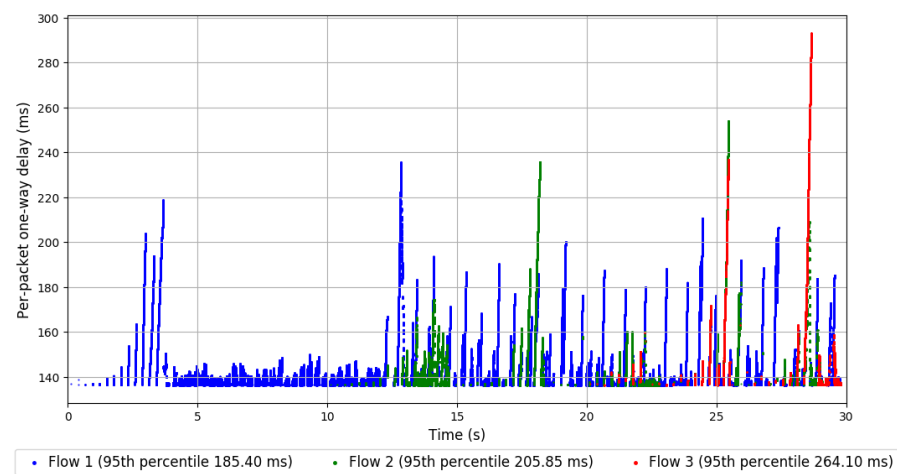
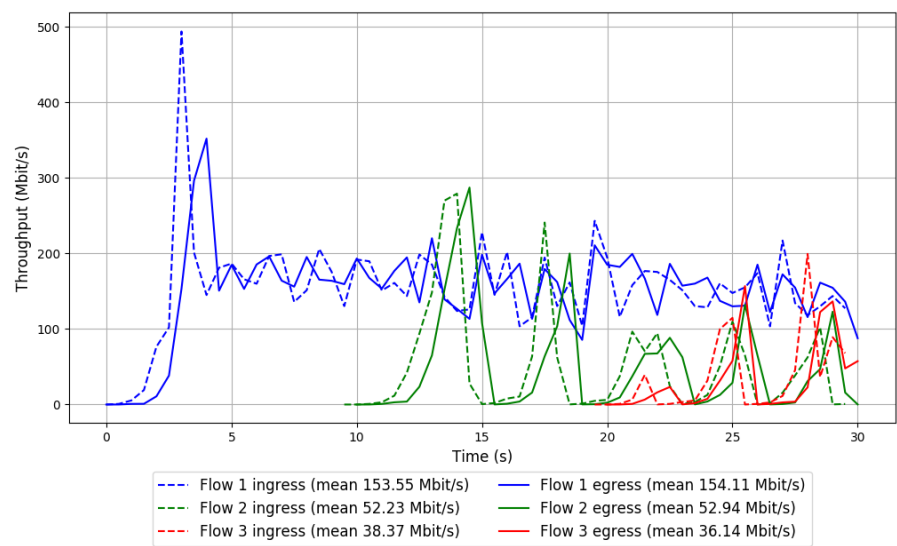


Run 7: Statistics of Verus

Start at: 2018-07-26 07:30:08
End at: 2018-07-26 07:30:38
Local clock offset: 0.028 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-26 11:56:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.58 Mbit/s
95th percentile per-packet one-way delay: 191.642 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 154.11 Mbit/s
95th percentile per-packet one-way delay: 185.404 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 205.850 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 264.104 ms
Loss rate: 7.81%

Run 7: Report of Verus — Data Link

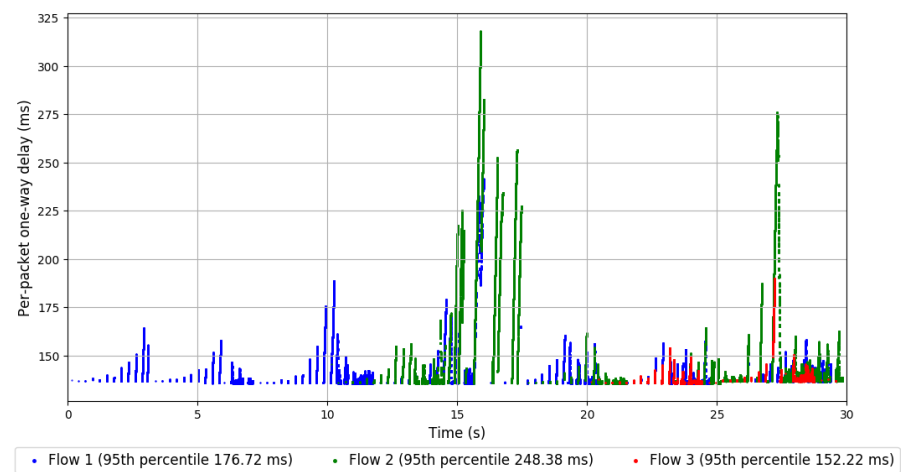
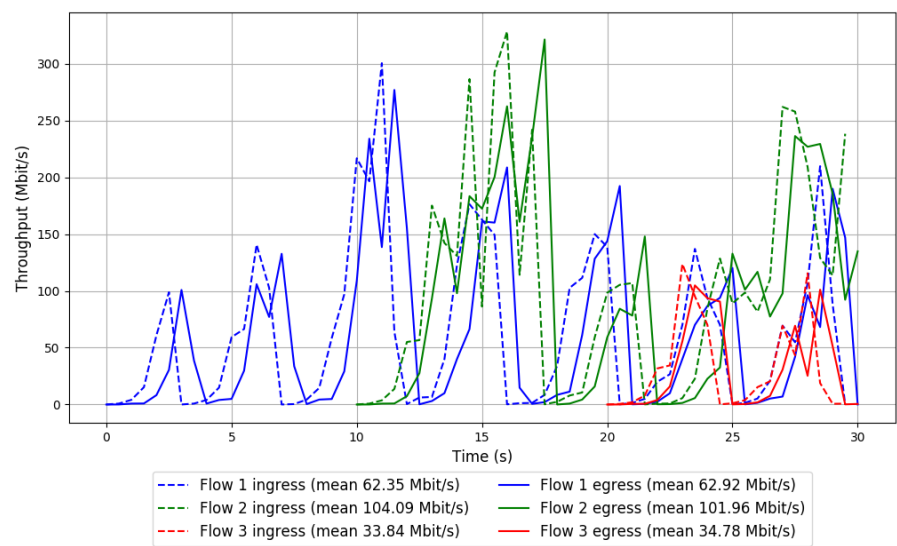


Run 8: Statistics of Verus

Start at: 2018-07-26 07:56:46
End at: 2018-07-26 07:57:16
Local clock offset: -0.045 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2018-07-26 11:56:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.17 Mbit/s
95th percentile per-packet one-way delay: 228.246 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 176.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.96 Mbit/s
95th percentile per-packet one-way delay: 248.377 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 152.222 ms
Loss rate: 0.12%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-26 08:23:41

End at: 2018-07-26 08:24:11

Local clock offset: 0.071 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-26 11:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.14 Mbit/s

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

Loss rate: 1.95%

-- Flow 1:

Average throughput: 180.23 Mbit/s

95th percentile per-packet one-way delay: 267.542 ms

Loss rate: 1.78%

-- Flow 2:

Average throughput: 93.82 Mbit/s

95th percentile per-packet one-way delay: 285.629 ms

Loss rate: 1.34%

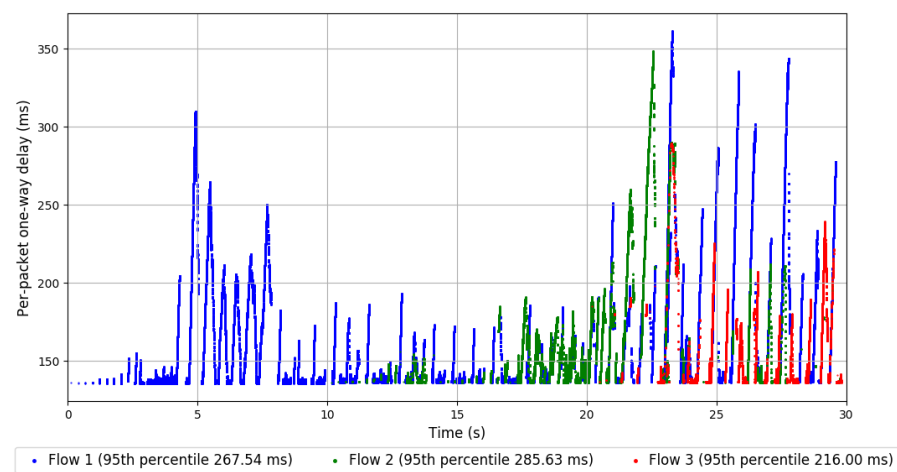
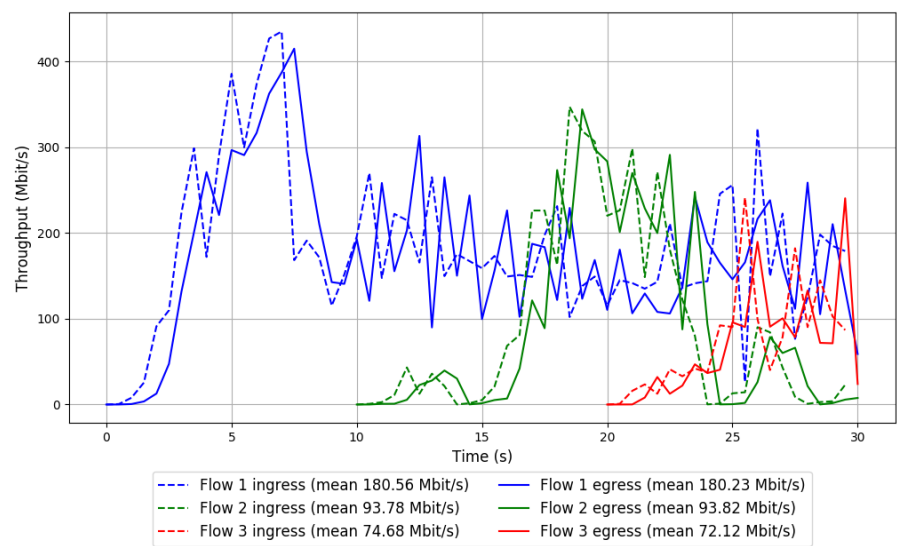
-- Flow 3:

Average throughput: 72.12 Mbit/s

95th percentile per-packet one-way delay: 216.000 ms

Loss rate: 4.80%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-26 08:50:05

End at: 2018-07-26 08:50:35

Local clock offset: 0.057 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at 2018-07-26 11:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.37 Mbit/s

95th percentile per-packet one-way delay: 330.106 ms

Loss rate: 5.93%

-- Flow 1:

Average throughput: 135.83 Mbit/s

95th percentile per-packet one-way delay: 235.116 ms

Loss rate: 2.34%

-- Flow 2:

Average throughput: 46.09 Mbit/s

95th percentile per-packet one-way delay: 185.936 ms

Loss rate: 0.57%

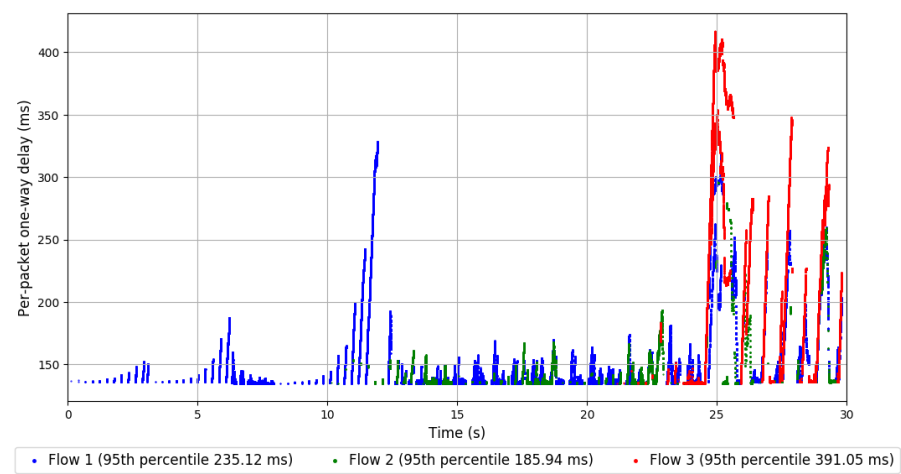
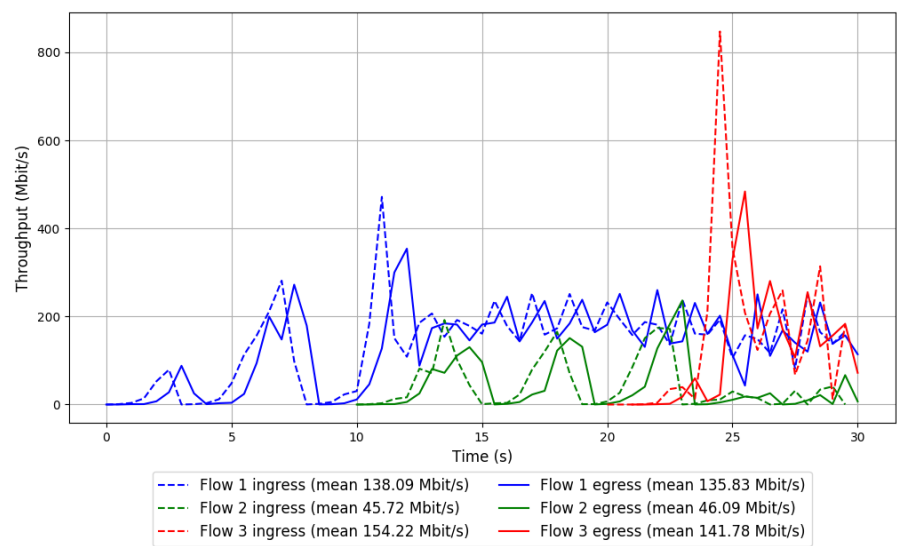
-- Flow 3:

Average throughput: 141.78 Mbit/s

95th percentile per-packet one-way delay: 391.047 ms

Loss rate: 18.89%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-26 04:57:11

End at: 2018-07-26 04:57:41

Local clock offset: -0.058 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-26 12:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.00 Mbit/s

95th percentile per-packet one-way delay: 160.419 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 291.05 Mbit/s

95th percentile per-packet one-way delay: 167.921 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 248.14 Mbit/s

95th percentile per-packet one-way delay: 155.323 ms

Loss rate: 1.20%

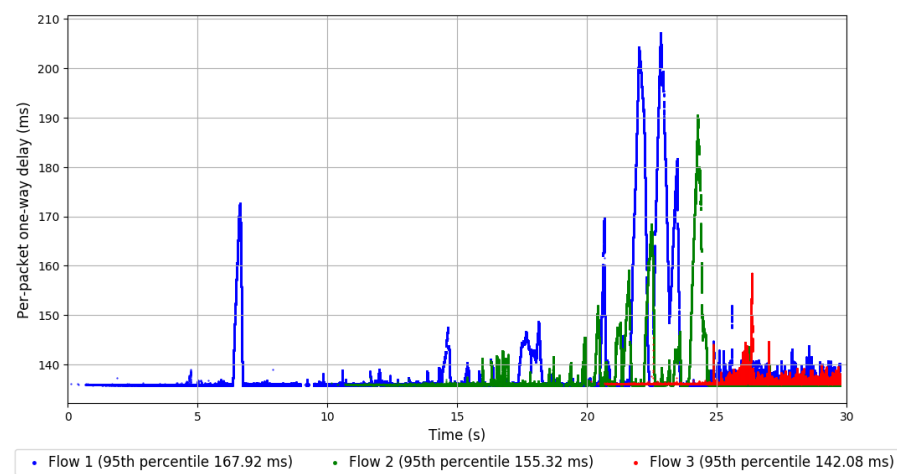
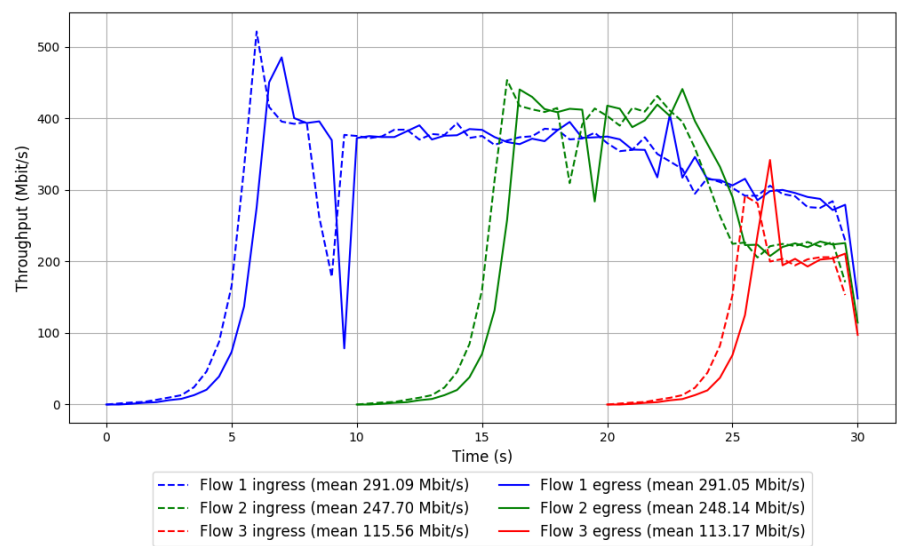
-- Flow 3:

Average throughput: 113.17 Mbit/s

95th percentile per-packet one-way delay: 142.080 ms

Loss rate: 4.79%

Run 1: Report of PCC-Vivace — Data Link

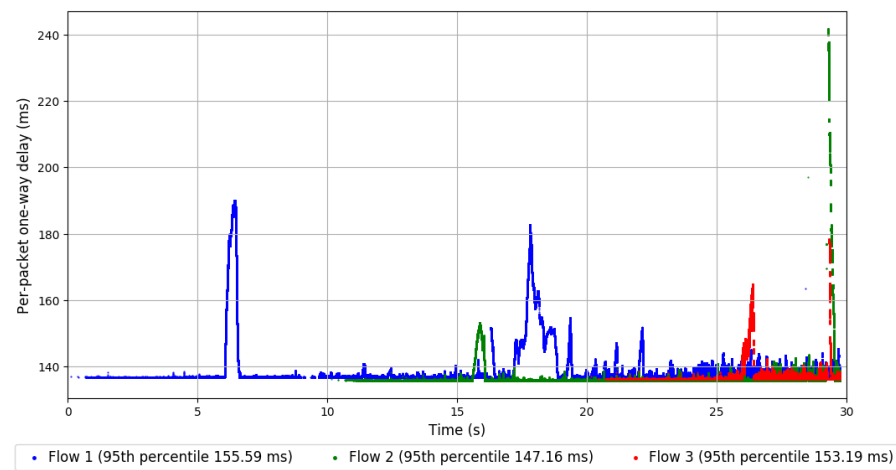
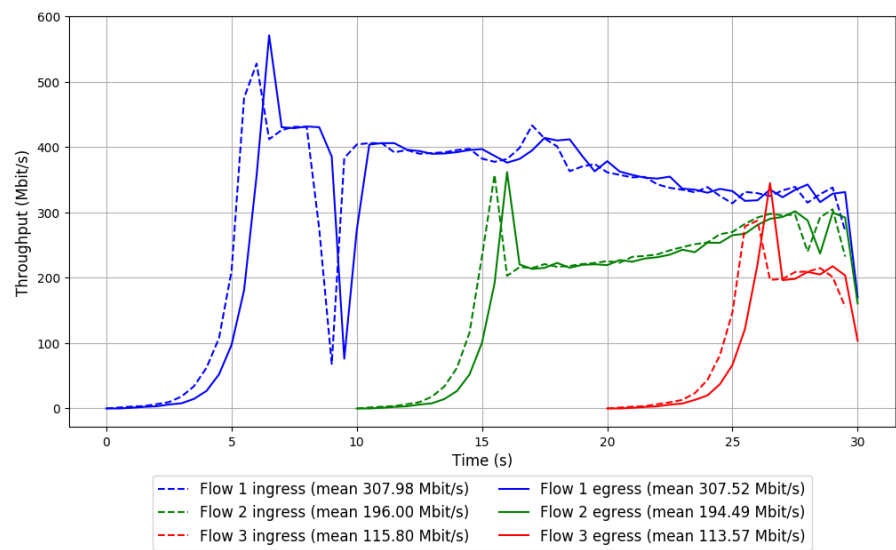


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-26 05:24:32
End at: 2018-07-26 05:25:02
Local clock offset: 0.217 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-07-26 12:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.04 Mbit/s
95th percentile per-packet one-way delay: 152.222 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 307.52 Mbit/s
95th percentile per-packet one-way delay: 155.586 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 194.49 Mbit/s
95th percentile per-packet one-way delay: 147.164 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 113.57 Mbit/s
95th percentile per-packet one-way delay: 153.192 ms
Loss rate: 4.64%

Run 2: Report of PCC-Vivace — Data Link

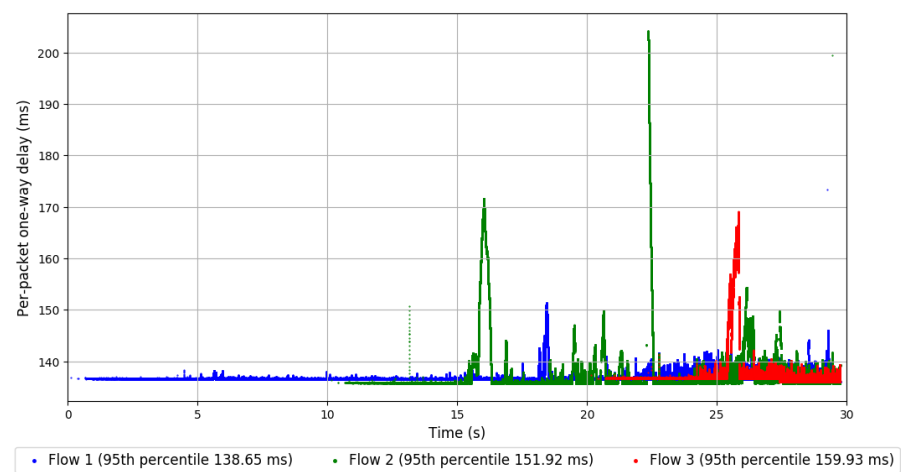
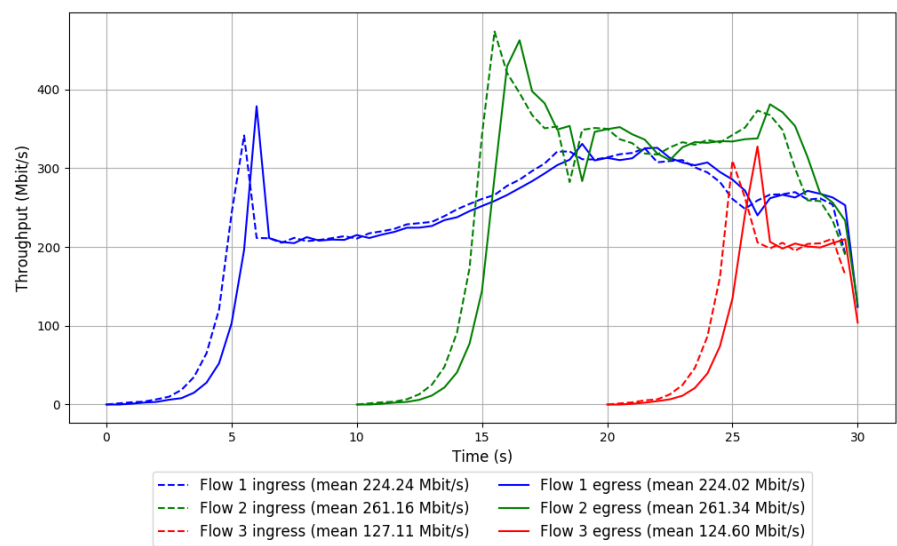


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-26 05:51:34
End at: 2018-07-26 05:52:04
Local clock offset: 0.114 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-07-26 12:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.37 Mbit/s
95th percentile per-packet one-way delay: 144.400 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 224.02 Mbit/s
95th percentile per-packet one-way delay: 138.648 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 261.34 Mbit/s
95th percentile per-packet one-way delay: 151.924 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 124.60 Mbit/s
95th percentile per-packet one-way delay: 159.928 ms
Loss rate: 4.69%

Run 3: Report of PCC-Vivace — Data Link

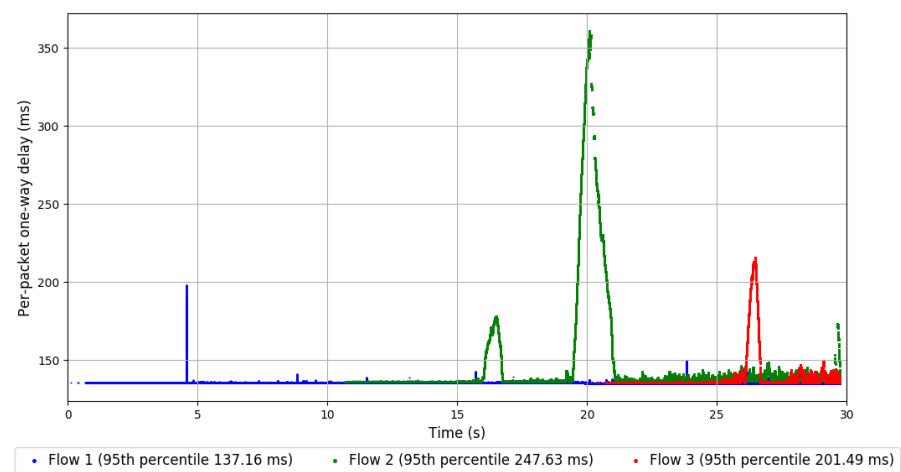
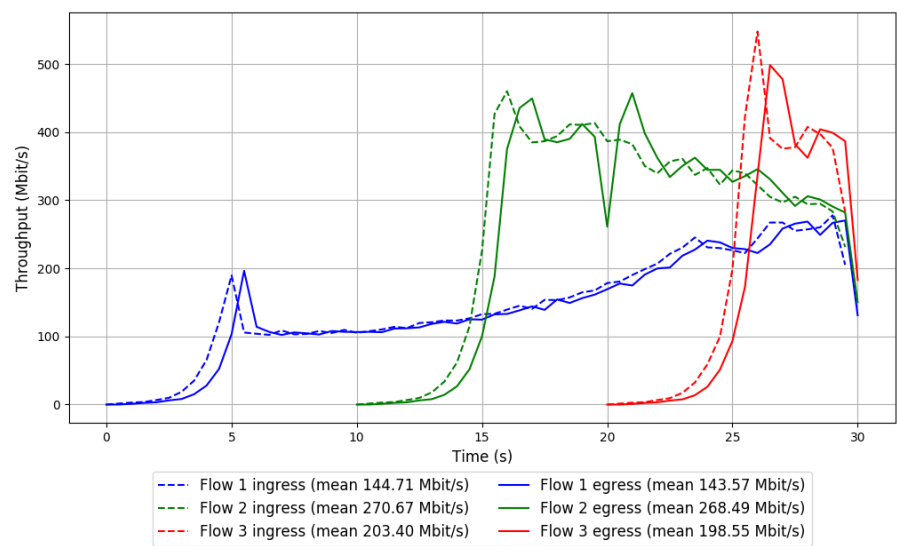


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-26 06:18:21
End at: 2018-07-26 06:18:51
Local clock offset: -0.304 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-07-26 12:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.60 Mbit/s
95th percentile per-packet one-way delay: 194.889 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 143.57 Mbit/s
95th percentile per-packet one-way delay: 137.163 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 268.49 Mbit/s
95th percentile per-packet one-way delay: 247.630 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 198.55 Mbit/s
95th percentile per-packet one-way delay: 201.493 ms
Loss rate: 5.09%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-26 06:45:10

End at: 2018-07-26 06:45:40

Local clock offset: -0.025 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-26 12:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.38 Mbit/s

95th percentile per-packet one-way delay: 142.853 ms

Loss rate: 1.96%

-- Flow 1:

Average throughput: 226.77 Mbit/s

95th percentile per-packet one-way delay: 192.335 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 183.17 Mbit/s

95th percentile per-packet one-way delay: 139.011 ms

Loss rate: 1.54%

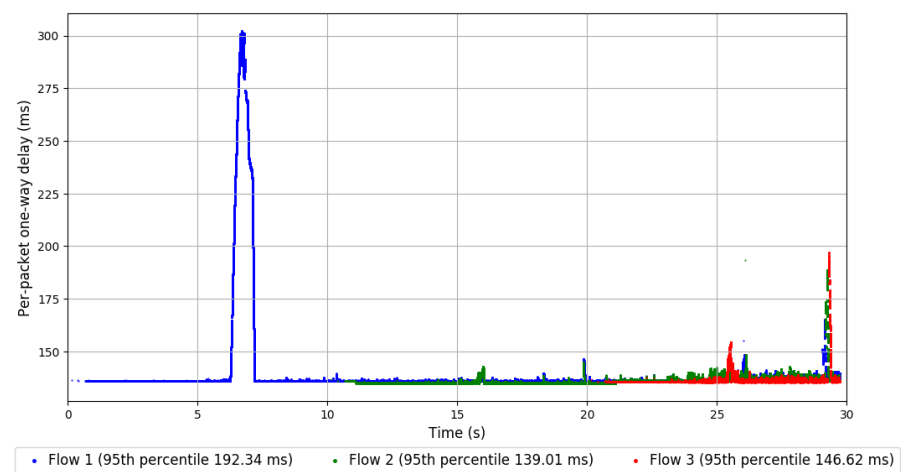
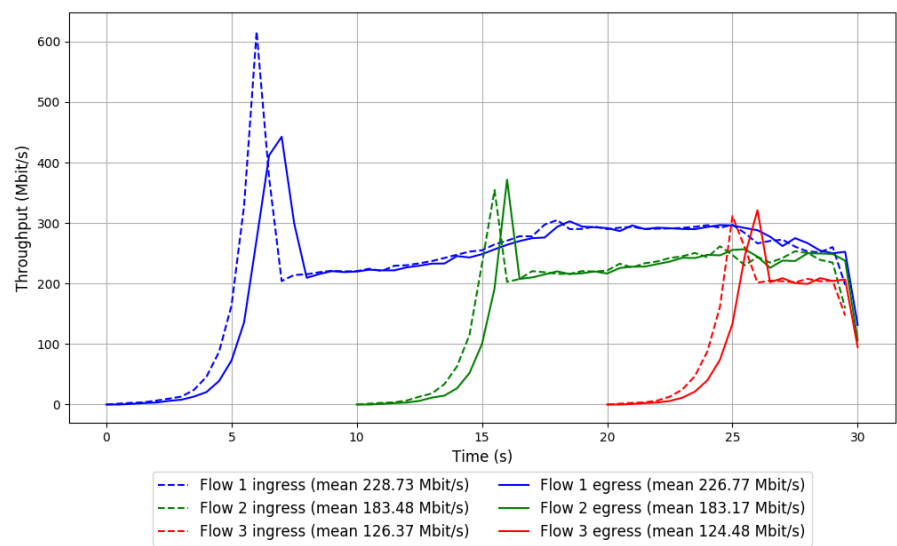
-- Flow 3:

Average throughput: 124.48 Mbit/s

95th percentile per-packet one-way delay: 146.616 ms

Loss rate: 4.28%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-26 07:11:24

End at: 2018-07-26 07:11:54

Local clock offset: 0.116 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-07-26 12:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 401.79 Mbit/s

95th percentile per-packet one-way delay: 306.556 ms

Loss rate: 2.24%

-- Flow 1:

Average throughput: 228.52 Mbit/s

95th percentile per-packet one-way delay: 299.613 ms

Loss rate: 2.27%

-- Flow 2:

Average throughput: 204.96 Mbit/s

95th percentile per-packet one-way delay: 322.546 ms

Loss rate: 1.70%

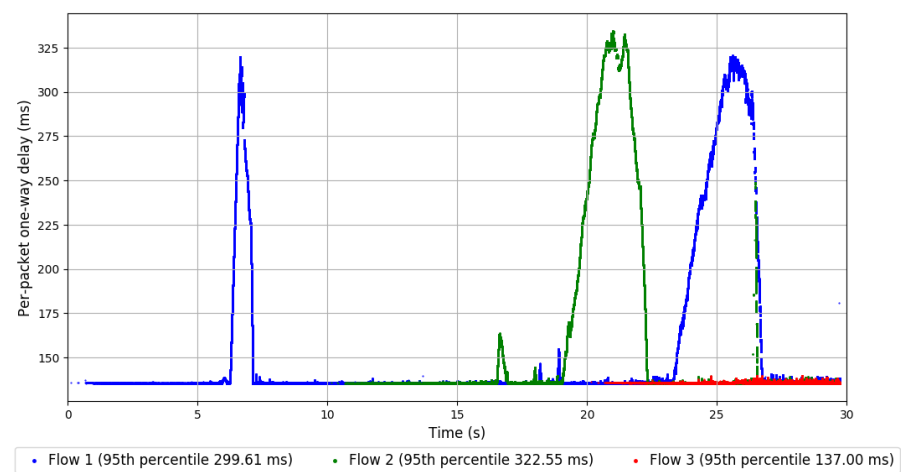
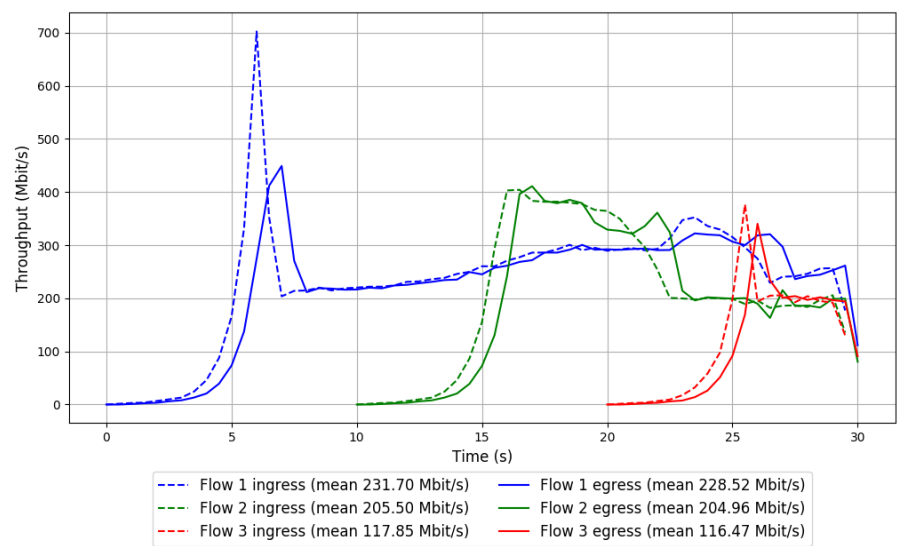
-- Flow 3:

Average throughput: 116.47 Mbit/s

95th percentile per-packet one-way delay: 137.004 ms

Loss rate: 3.90%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-26 07:37:53

End at: 2018-07-26 07:38:23

Local clock offset: 0.061 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-07-26 12:08:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 419.84 Mbit/s

95th percentile per-packet one-way delay: 140.122 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 221.18 Mbit/s

95th percentile per-packet one-way delay: 138.763 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 241.51 Mbit/s

95th percentile per-packet one-way delay: 141.080 ms

Loss rate: 1.75%

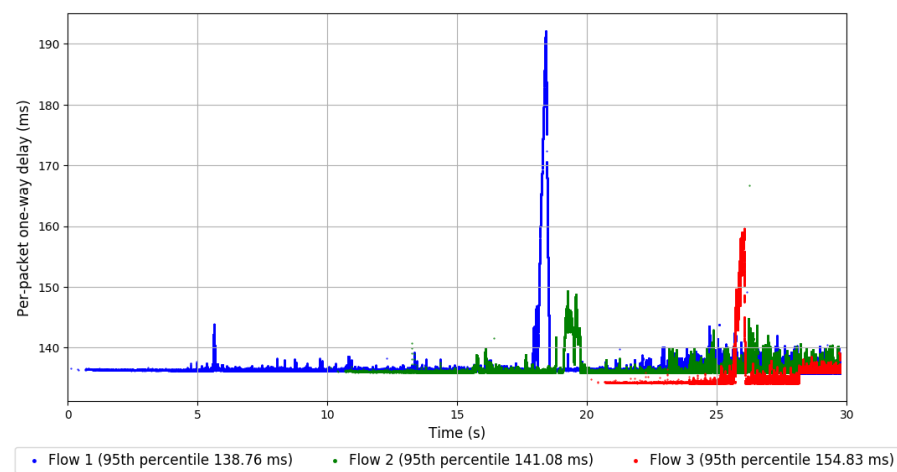
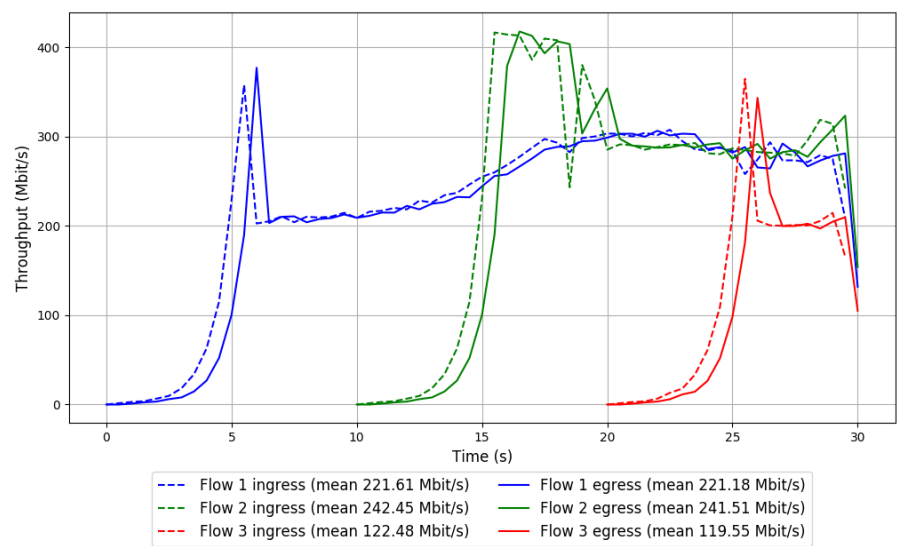
-- Flow 3:

Average throughput: 119.55 Mbit/s

95th percentile per-packet one-way delay: 154.829 ms

Loss rate: 5.09%

Run 7: Report of PCC-Vivace — Data Link

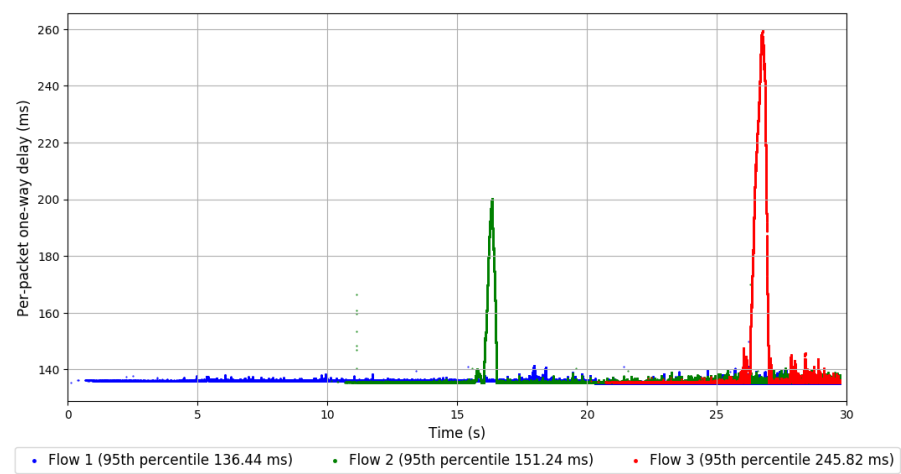
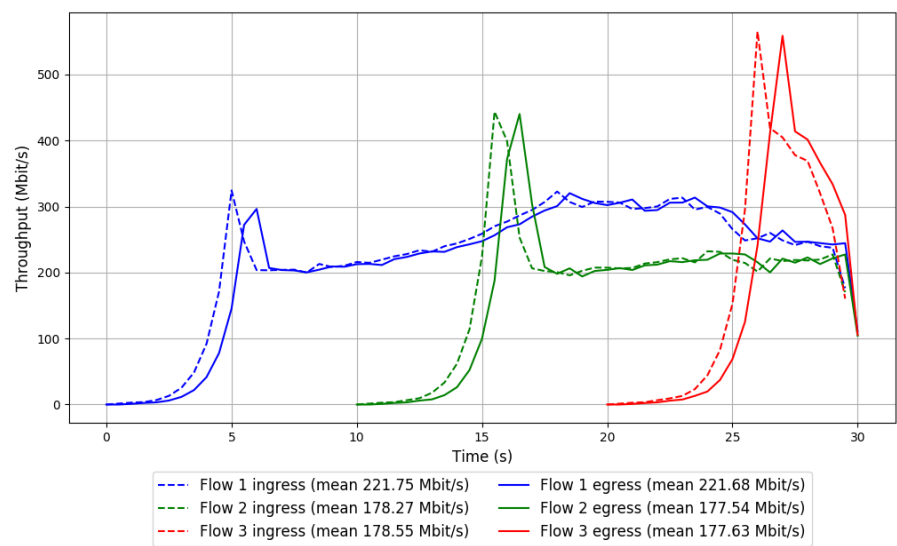


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-26 08:04:51
End at: 2018-07-26 08:05:21
Local clock offset: 0.067 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-26 12:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.68 Mbit/s
95th percentile per-packet one-way delay: 143.753 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 221.68 Mbit/s
95th percentile per-packet one-way delay: 136.443 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 177.54 Mbit/s
95th percentile per-packet one-way delay: 151.244 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 177.63 Mbit/s
95th percentile per-packet one-way delay: 245.824 ms
Loss rate: 3.26%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-26 08:31:29

End at: 2018-07-26 08:31:59

Local clock offset: -0.204 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-07-26 12:09:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.07 Mbit/s

95th percentile per-packet one-way delay: 139.204 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 242.90 Mbit/s

95th percentile per-packet one-way delay: 139.315 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 174.82 Mbit/s

95th percentile per-packet one-way delay: 137.517 ms

Loss rate: 1.64%

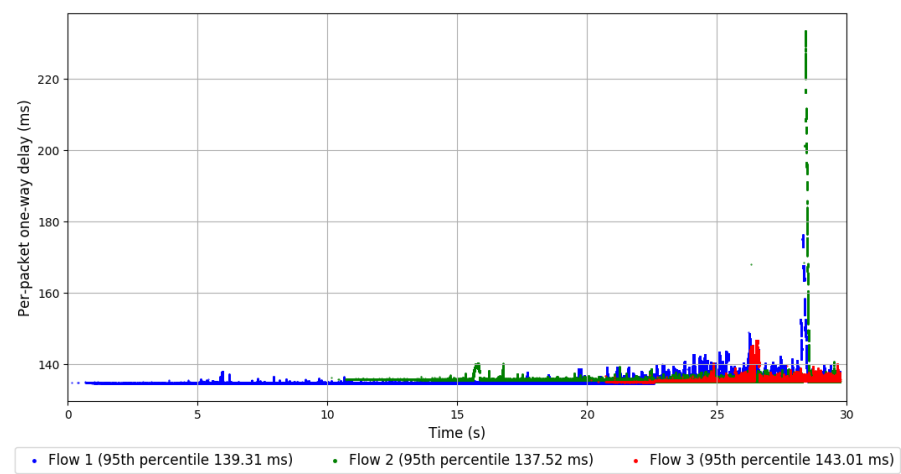
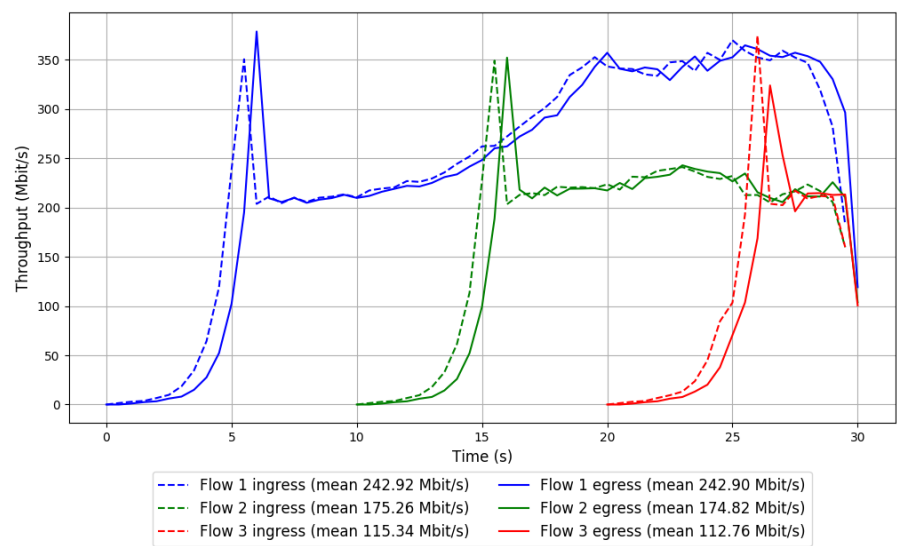
-- Flow 3:

Average throughput: 112.76 Mbit/s

95th percentile per-packet one-way delay: 143.011 ms

Loss rate: 4.94%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-26 08:57:43

End at: 2018-07-26 08:58:13

Local clock offset: -0.229 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2018-07-26 12:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.61 Mbit/s

95th percentile per-packet one-way delay: 139.729 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 264.08 Mbit/s

95th percentile per-packet one-way delay: 152.665 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 170.55 Mbit/s

95th percentile per-packet one-way delay: 136.697 ms

Loss rate: 1.65%

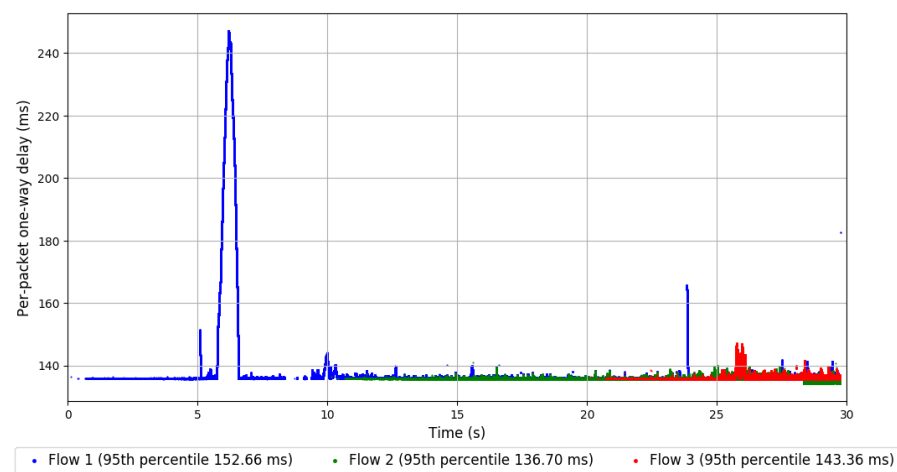
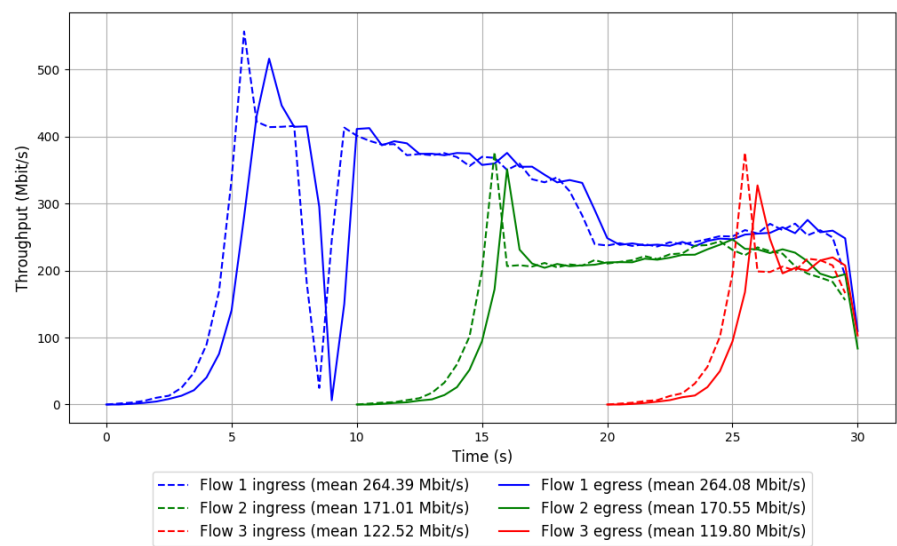
-- Flow 3:

Average throughput: 119.80 Mbit/s

95th percentile per-packet one-way delay: 143.363 ms

Loss rate: 4.94%

Run 10: Report of PCC-Vivace — Data Link

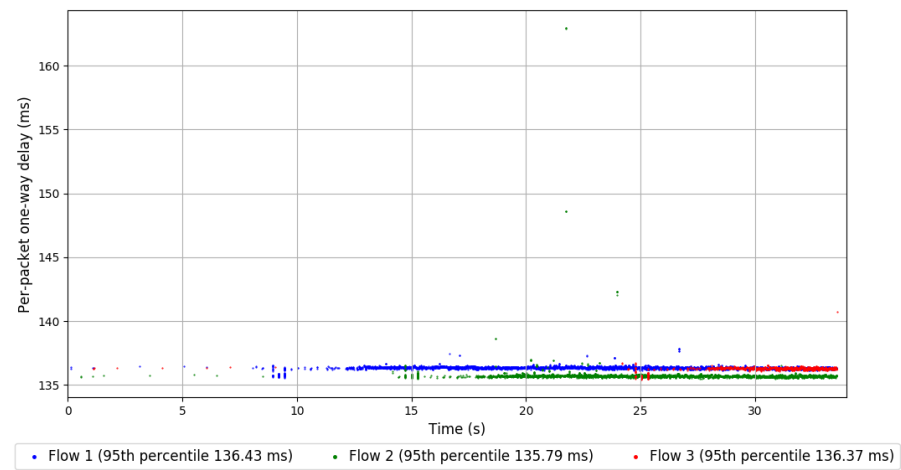
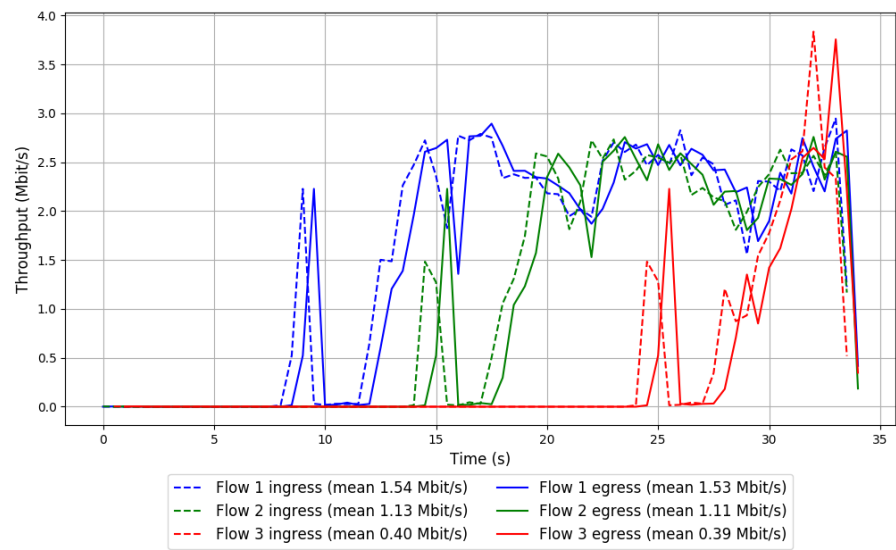


Run 1: Statistics of WebRTC media

Start at: 2018-07-26 04:52:43
End at: 2018-07-26 04:53:13
Local clock offset: -0.157 ms
Remote clock offset: -0.345 ms

Below is generated by plot.py at 2018-07-26 12:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 136.406 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 136.429 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 135.795 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 136.371 ms
Loss rate: 3.43%

Run 1: Report of WebRTC media — Data Link

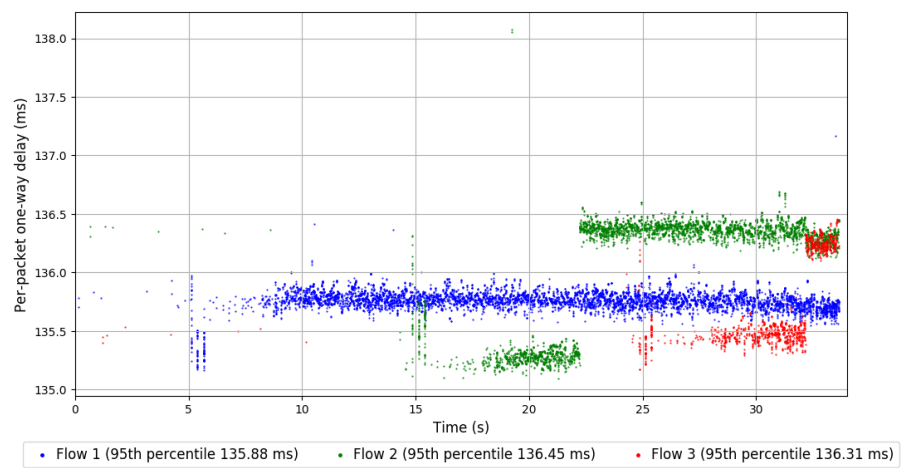
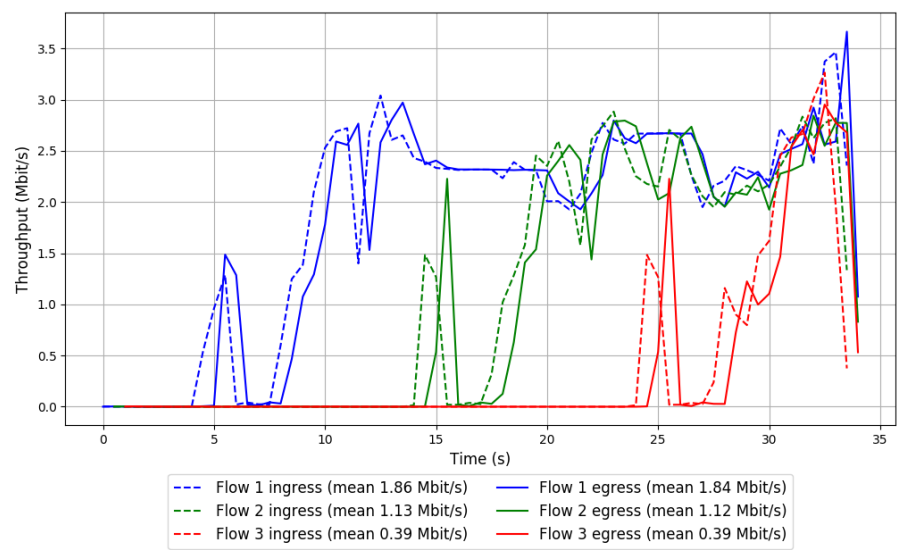


Run 2: Statistics of WebRTC media

Start at: 2018-07-26 05:20:03
End at: 2018-07-26 05:20:33
Local clock offset: -0.045 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-26 12:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 136.411 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 135.875 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 136.450 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 136.310 ms
Loss rate: 1.43%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-26 05:47:18

End at: 2018-07-26 05:47:48

Local clock offset: 0.1 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-26 12:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 136.597 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 1.85 Mbit/s

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

Loss rate: 1.60%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 136.614 ms

Loss rate: 1.85%

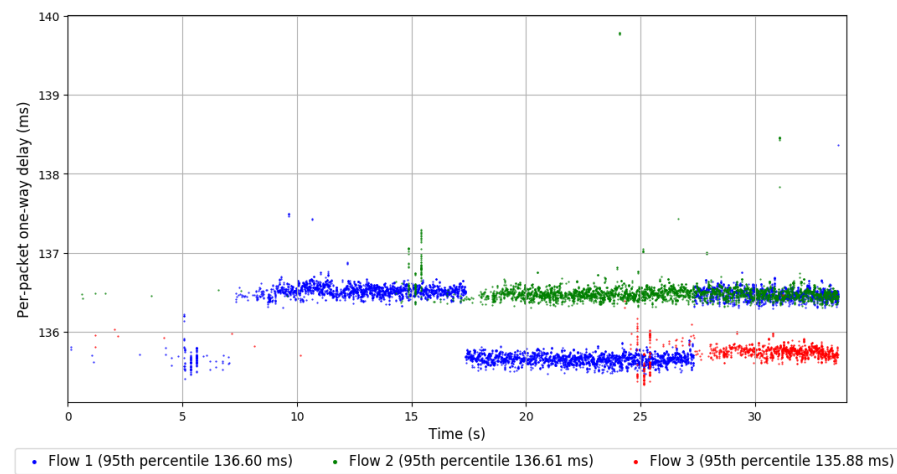
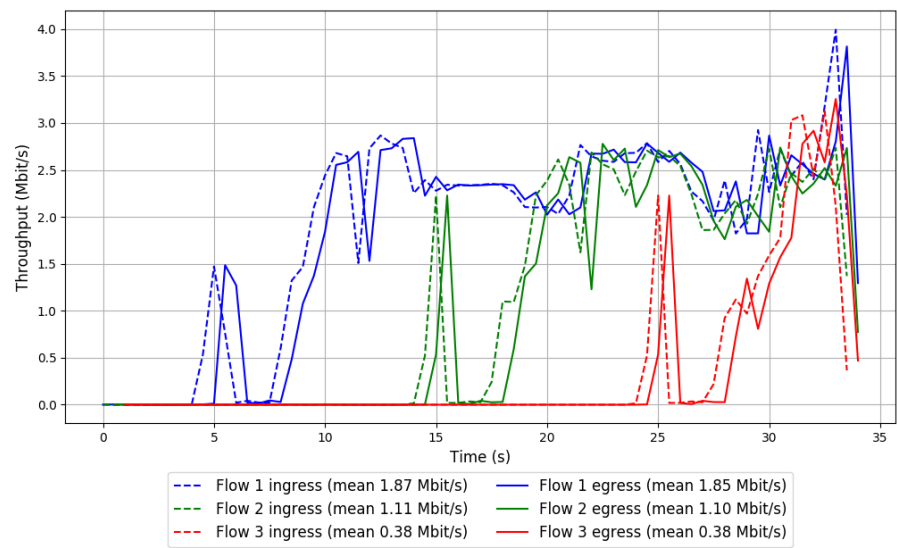
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 135.877 ms

Loss rate: 1.42%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-26 06:14:10

End at: 2018-07-26 06:14:40

Local clock offset: -0.206 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-26 12:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 135.896 ms

Loss rate: 1.94%

-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 135.820 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 135.935 ms

Loss rate: 2.04%

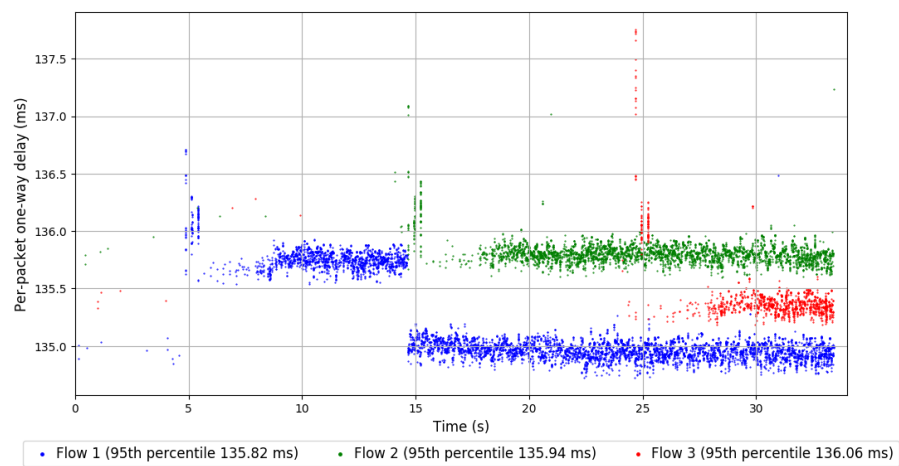
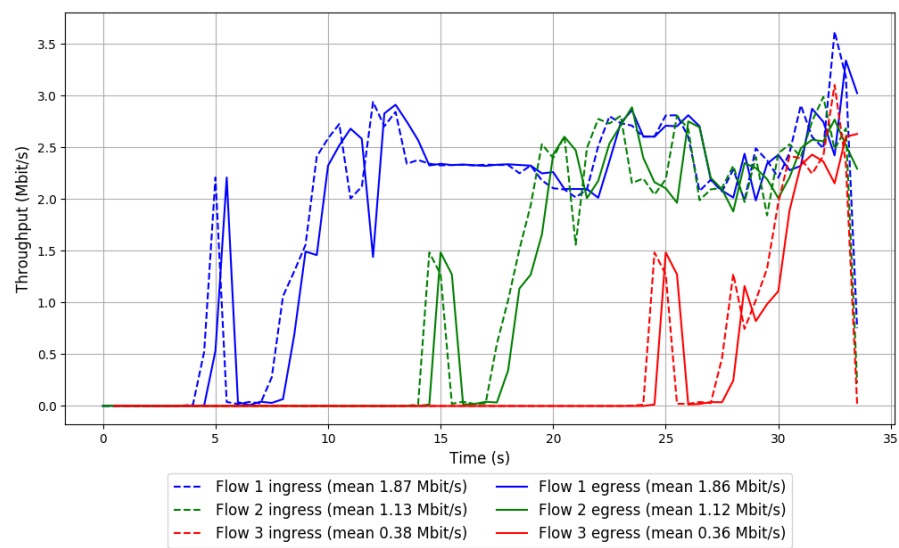
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.059 ms

Loss rate: 4.16%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-26 06:40:43

End at: 2018-07-26 06:41:13

Local clock offset: 0.175 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-26 12:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 136.717 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 136.740 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 136.119 ms

Loss rate: 2.27%

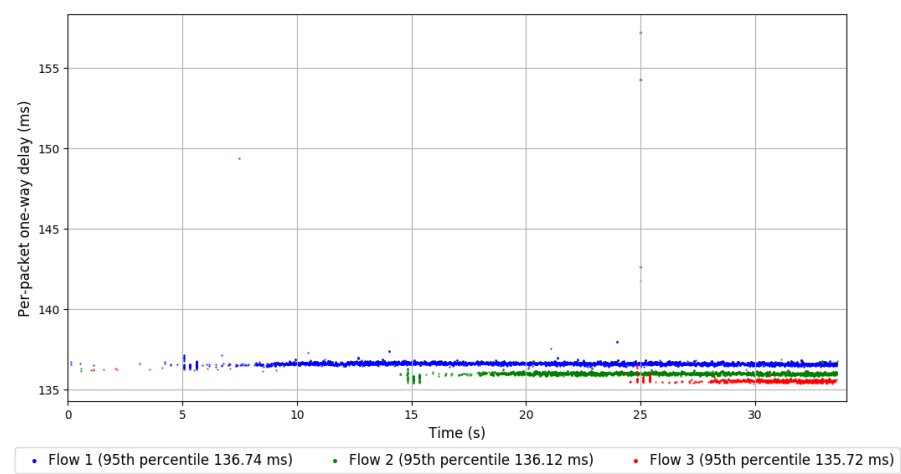
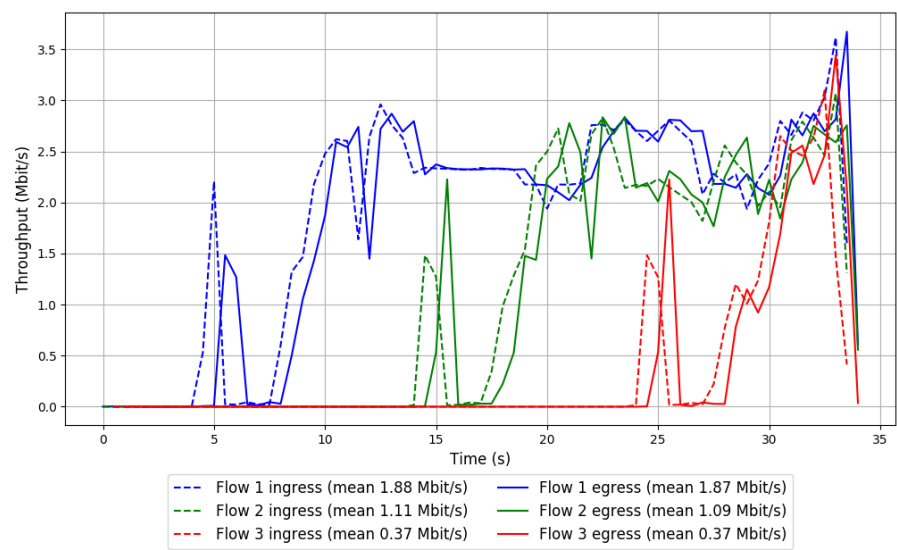
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 135.723 ms

Loss rate: 1.77%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-26 07:07:12

End at: 2018-07-26 07:07:42

Local clock offset: -0.028 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-07-26 12:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.25 Mbit/s

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

Loss rate: 2.14%

-- Flow 1:

Average throughput: 1.82 Mbit/s

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

Loss rate: 1.76%

-- Flow 2:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 136.411 ms

Loss rate: 1.76%

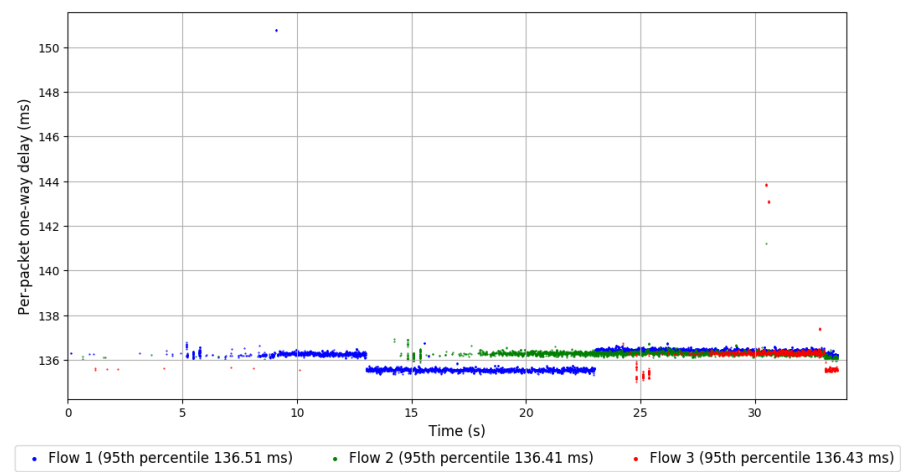
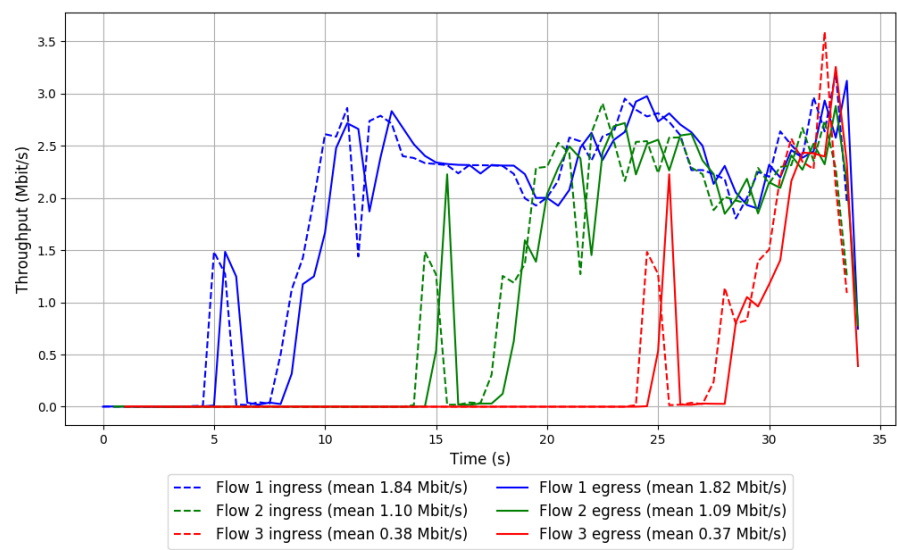
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 136.432 ms

Loss rate: 5.09%

Run 6: Report of WebRTC media — Data Link

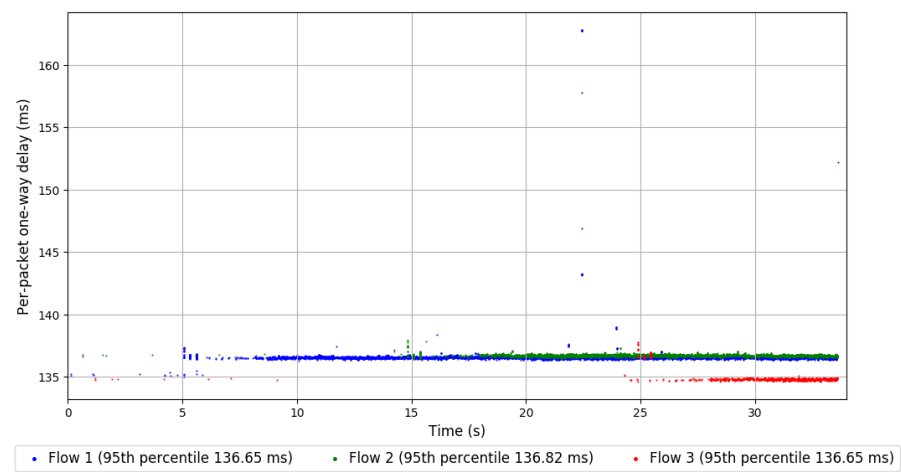
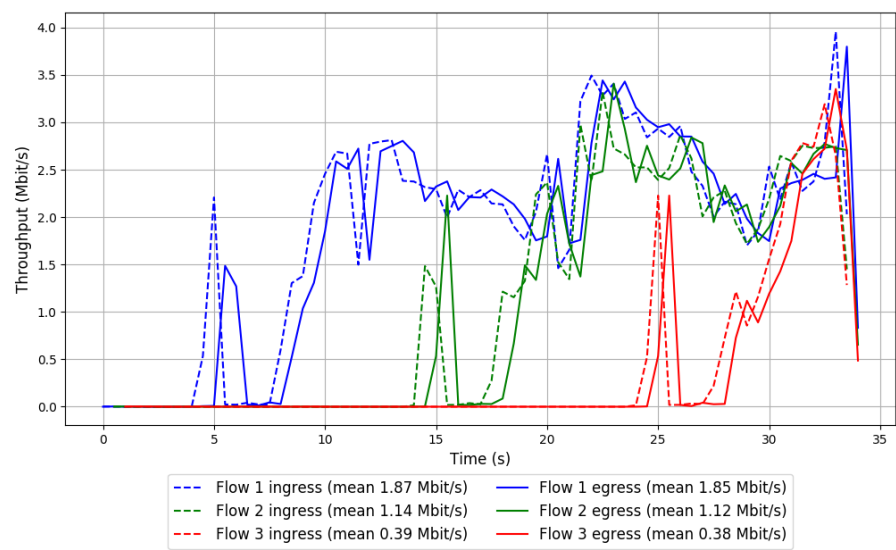


Run 7: Statistics of WebRTC media

Start at: 2018-07-26 07:33:49
End at: 2018-07-26 07:34:19
Local clock offset: 0.085 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-26 12:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 136.779 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 136.647 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 136.821 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.647 ms
Loss rate: 5.58%

Run 7: Report of WebRTC media — Data Link

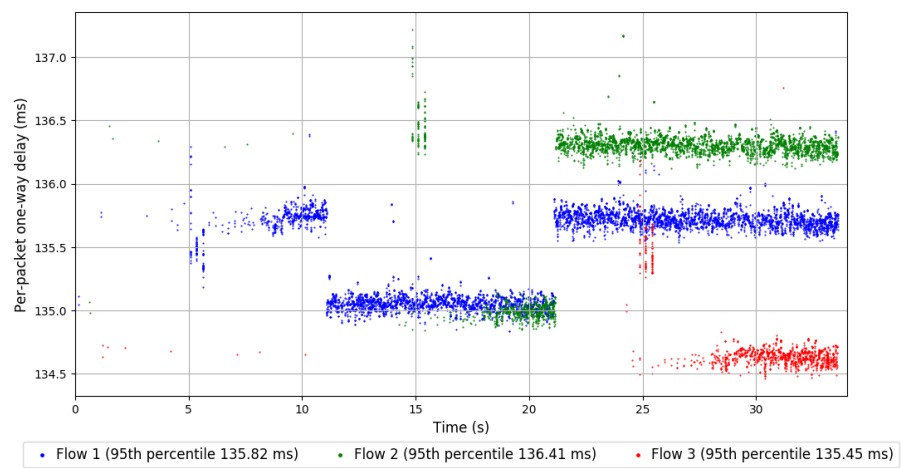
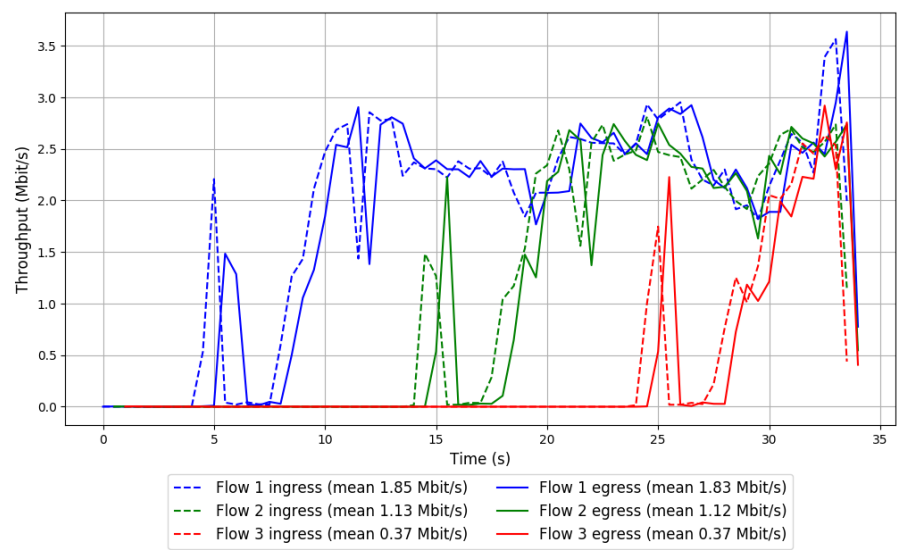


Run 8: Statistics of WebRTC media

Start at: 2018-07-26 08:00:24
End at: 2018-07-26 08:00:54
Local clock offset: -0.113 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-26 12:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 136.361 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 135.816 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 136.414 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 135.453 ms
Loss rate: 2.56%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-26 08:27:25

End at: 2018-07-26 08:27:55

Local clock offset: -0.076 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-07-26 12:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 135.447 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 1.83 Mbit/s

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

Loss rate: 1.89%

-- Flow 2:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 135.424 ms

Loss rate: 1.68%

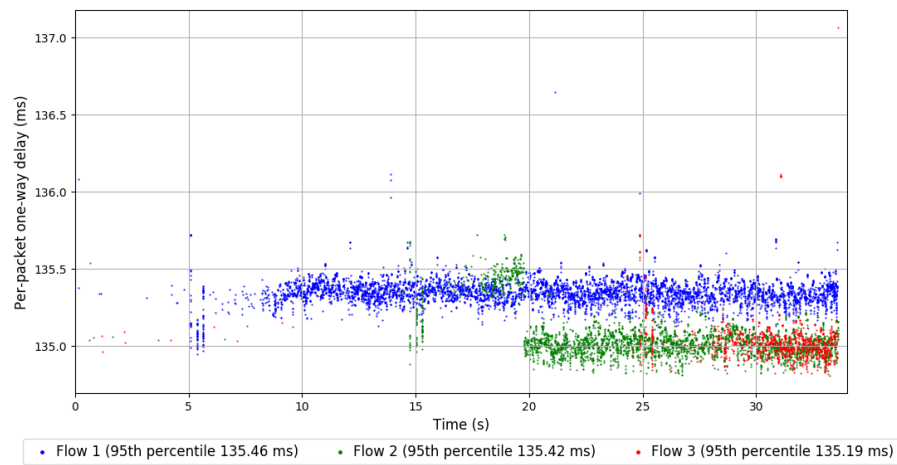
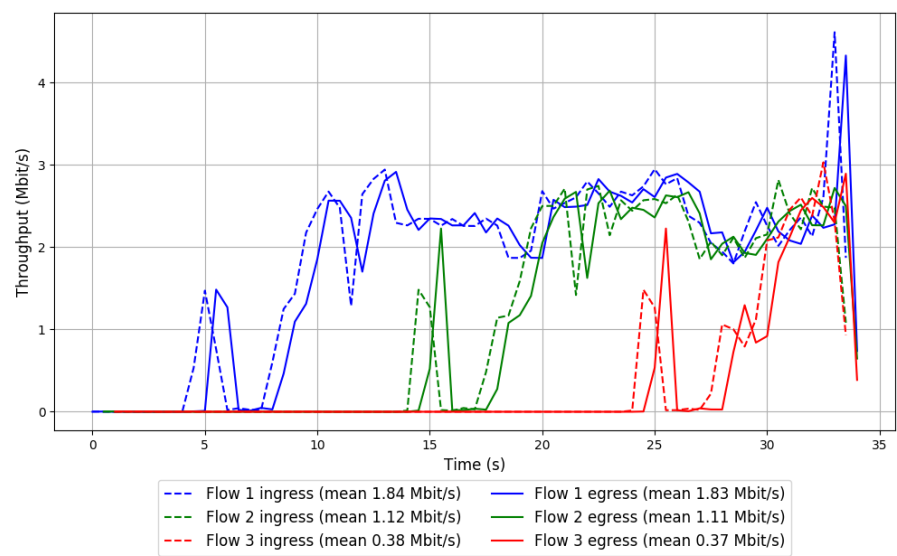
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 135.190 ms

Loss rate: 5.02%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-26 08:53:31

End at: 2018-07-26 08:54:01

Local clock offset: 0.093 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-26 12:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 136.746 ms

Loss rate: 1.87%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 135.888 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 136.575 ms

Loss rate: 1.99%

-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 136.850 ms

Loss rate: 4.48%

Run 10: Report of WebRTC media — Data Link

