

## Pantheon Report

Generated at 2018-08-23 01:20:02 (UTC).

Data path: Saudi Arabia Ethernet (*remote*) → AWS India 2 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.

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

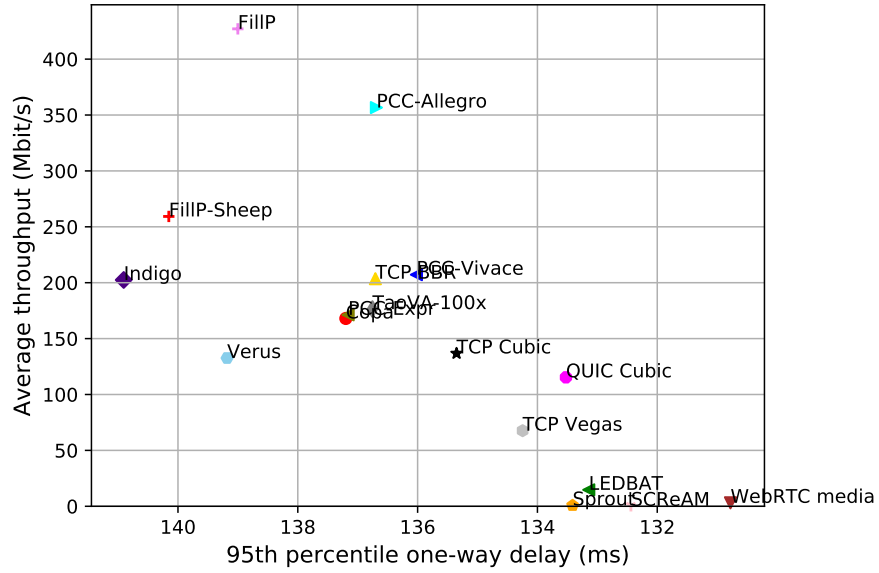
### System info:

```
Linux 4.15.0-1016-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

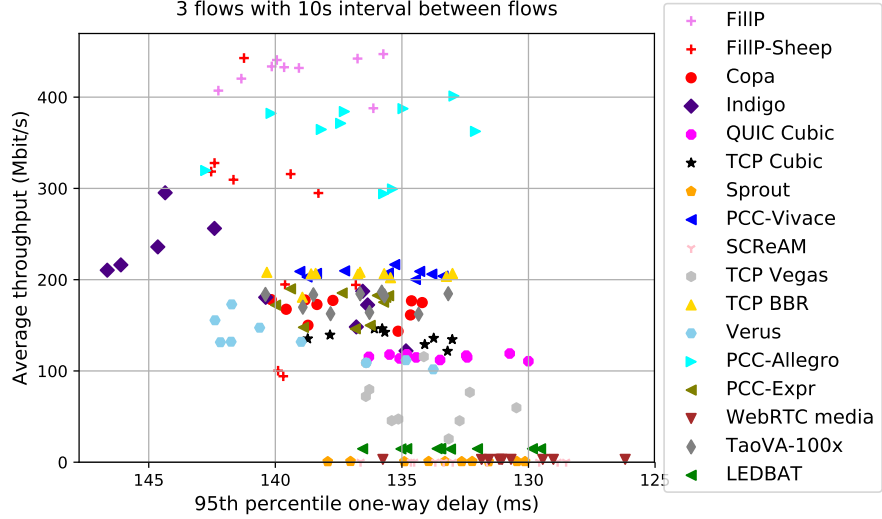
### Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Saudi Arabia to AWS India 2, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Saudi Arabia to AWS India 2, 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	105.89	103.13	95.19	135.33	137.03	139.33	0.71	1.10	2.59
Copa	10	115.56	59.27	40.05	136.87	137.22	137.54	0.33	1.24	3.10
TCP Cubic	9	74.69	63.47	60.90	134.65	135.44	136.91	0.63	1.25	2.35
FillP	9	270.35	183.93	120.69	138.28	139.28	139.45	2.48	7.65	16.71
FillP-Sheep	10	67.88	193.14	197.55	139.14	139.76	140.11	0.47	1.32	4.08
Indigo	10	109.88	104.27	72.28	139.90	141.16	141.83	0.70	1.06	2.37
LEDBAT	10	9.57	6.30	3.03	132.15	132.74	132.31	1.29	1.96	3.96
PCC-Allegro	10	321.06	49.98	7.72	136.65	136.52	136.61	0.74	1.32	2.40
PCC-Expr	10	159.12	15.27	6.22	137.22	135.59	135.95	0.96	1.52	2.84
QUIC Cubic	10	60.15	56.64	53.89	132.97	132.88	133.40	0.68	1.04	2.23
SCReAM	10	0.22	0.22	0.22	132.27	132.00	132.15	0.64	1.04	1.84
Sprout	10	0.36	0.45	0.51	133.14	132.85	132.86	0.45	0.86	0.77
TaoVA-100x	10	105.62	78.16	58.43	135.87	137.18	137.97	0.45	1.07	2.11
TCP Vegas	10	31.08	34.90	40.95	132.21	133.88	136.46	0.84	1.05	2.12
Verus	9	86.49	49.69	42.08	139.24	138.67	138.37	0.42	2.83	2.87
PCC-Vivace	10	178.01	36.91	14.48	135.87	135.78	135.64	0.58	1.35	3.98
WebRTC media	10	1.69	1.03	0.40	130.36	130.23	130.50	0.58	1.20	2.99

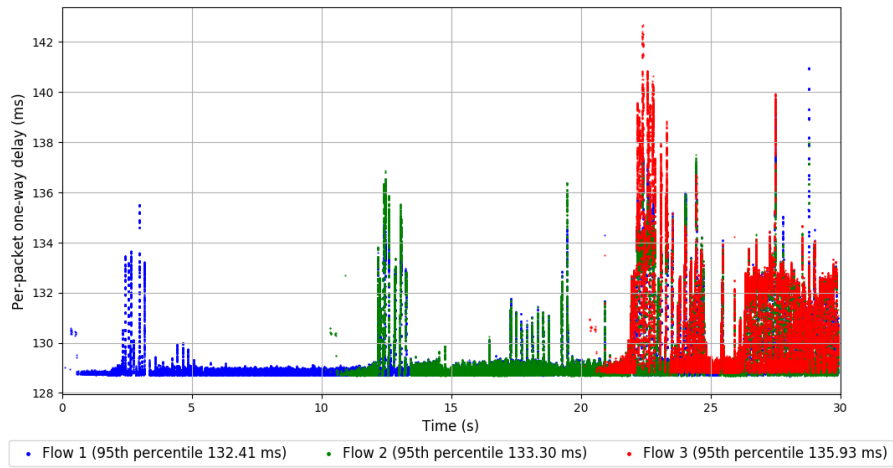
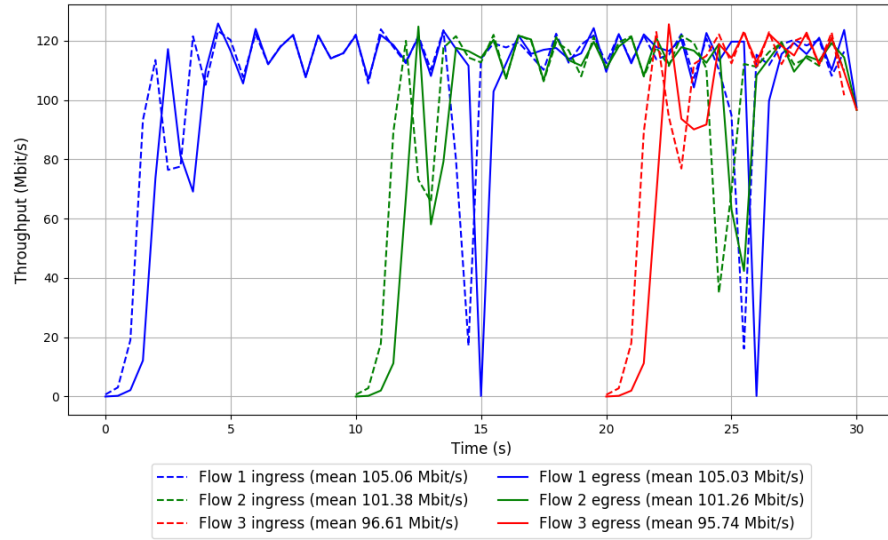
Run 1: Statistics of TCP BBR

Start at: 2018-08-22 19:08:17  
End at: 2018-08-22 19:08:47  
Local clock offset: -0.286 ms  
Remote clock offset: -35.467 ms

# Below is generated by plot.py at 2018-08-23 00:37:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 203.63 Mbit/s  
95th percentile per-packet one-way delay: 133.241 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 105.03 Mbit/s  
95th percentile per-packet one-way delay: 132.410 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 101.26 Mbit/s  
95th percentile per-packet one-way delay: 133.298 ms  
Loss rate: 1.09%  
-- Flow 3:  
Average throughput: 95.74 Mbit/s  
95th percentile per-packet one-way delay: 135.927 ms  
Loss rate: 2.35%



# Run 1: Report of TCP BBR — Data Link

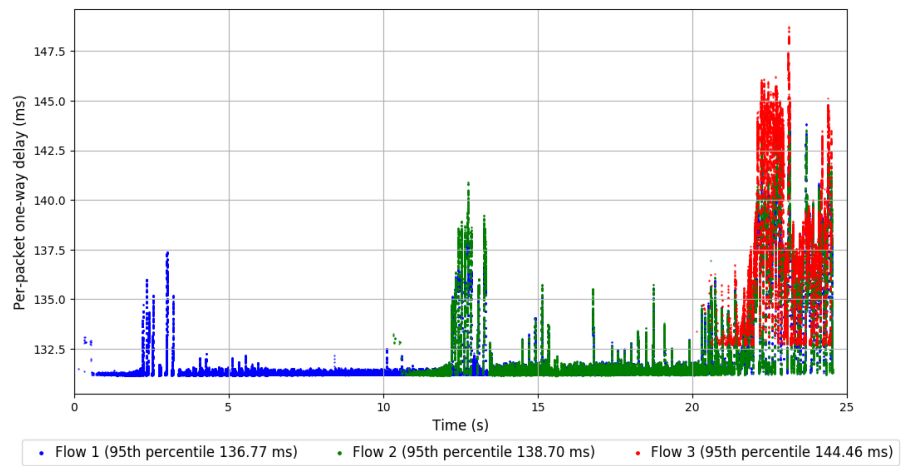
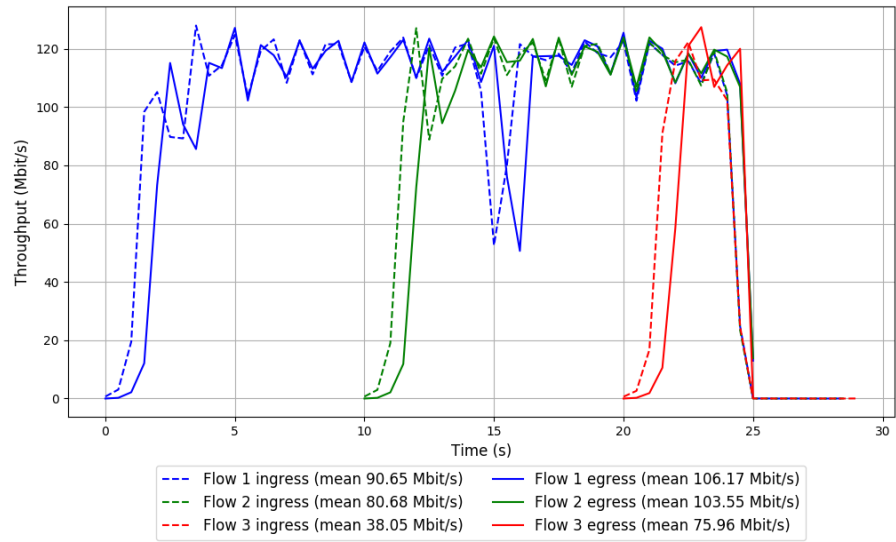


Run 2: Statistics of TCP BBR

Start at: 2018-08-22 19:44:30  
End at: 2018-08-22 19:45:00  
Local clock offset: 1.41 ms  
Remote clock offset: -35.125 ms

# Below is generated by plot.py at 2018-08-23 00:37:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 180.80 Mbit/s  
95th percentile per-packet one-way delay: 138.931 ms  
Loss rate: 1.13%  
-- Flow 1:  
Average throughput: 106.17 Mbit/s  
95th percentile per-packet one-way delay: 136.772 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 103.55 Mbit/s  
95th percentile per-packet one-way delay: 138.704 ms  
Loss rate: 1.14%  
-- Flow 3:  
Average throughput: 75.96 Mbit/s  
95th percentile per-packet one-way delay: 144.463 ms  
Loss rate: 4.78%

## Run 2: Report of TCP BBR — Data Link

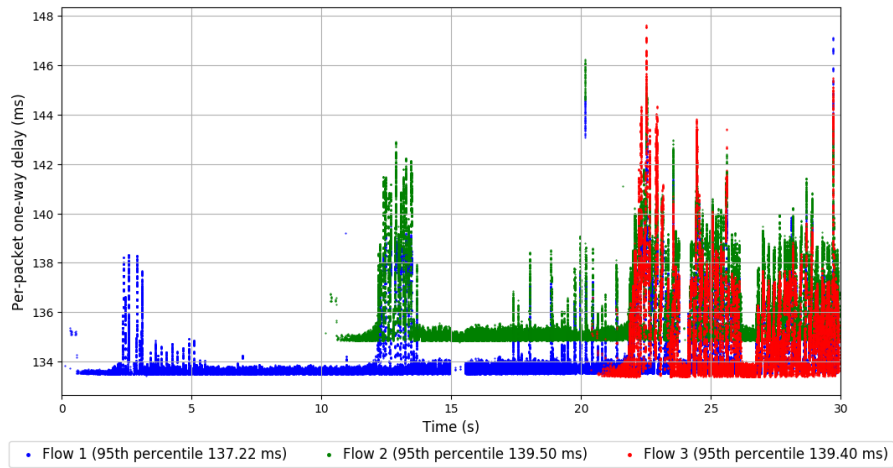
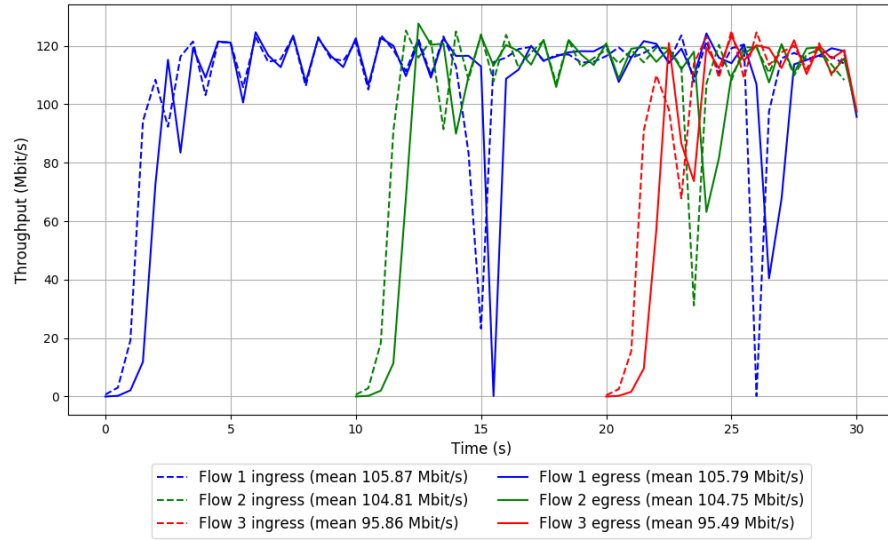


Run 3: Statistics of TCP BBR

Start at: 2018-08-22 20:20:10  
End at: 2018-08-22 20:20:40  
Local clock offset: -0.839 ms  
Remote clock offset: -37.923 ms

# Below is generated by plot.py at 2018-08-23 00:37:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 206.42 Mbit/s  
95th percentile per-packet one-way delay: 138.586 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 105.79 Mbit/s  
95th percentile per-packet one-way delay: 137.218 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 104.75 Mbit/s  
95th percentile per-packet one-way delay: 139.504 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 95.49 Mbit/s  
95th percentile per-packet one-way delay: 139.400 ms  
Loss rate: 2.39%

### Run 3: Report of TCP BBR — Data Link

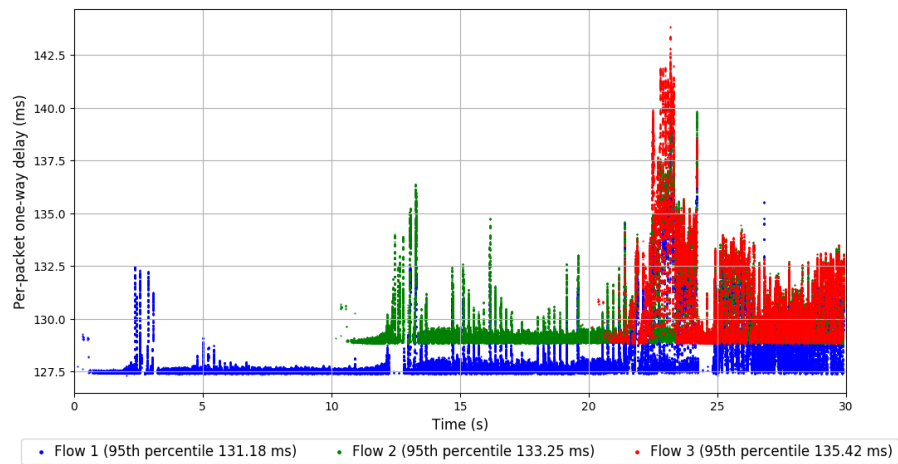
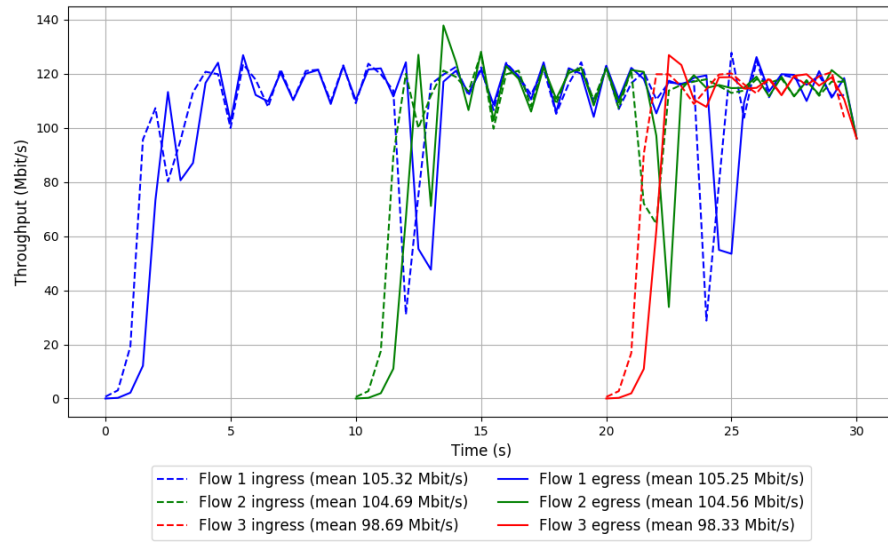


Run 4: Statistics of TCP BBR

Start at: 2018-08-22 20:50:16  
End at: 2018-08-22 20:50:46  
Local clock offset: 0.165 ms  
Remote clock offset: -31.936 ms

# Below is generated by plot.py at 2018-08-23 00:37:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 206.84 Mbit/s  
95th percentile per-packet one-way delay: 133.002 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 105.25 Mbit/s  
95th percentile per-packet one-way delay: 131.181 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 104.56 Mbit/s  
95th percentile per-packet one-way delay: 133.253 ms  
Loss rate: 1.11%  
-- Flow 3:  
Average throughput: 98.33 Mbit/s  
95th percentile per-packet one-way delay: 135.420 ms  
Loss rate: 2.36%

#### Run 4: Report of TCP BBR — Data Link



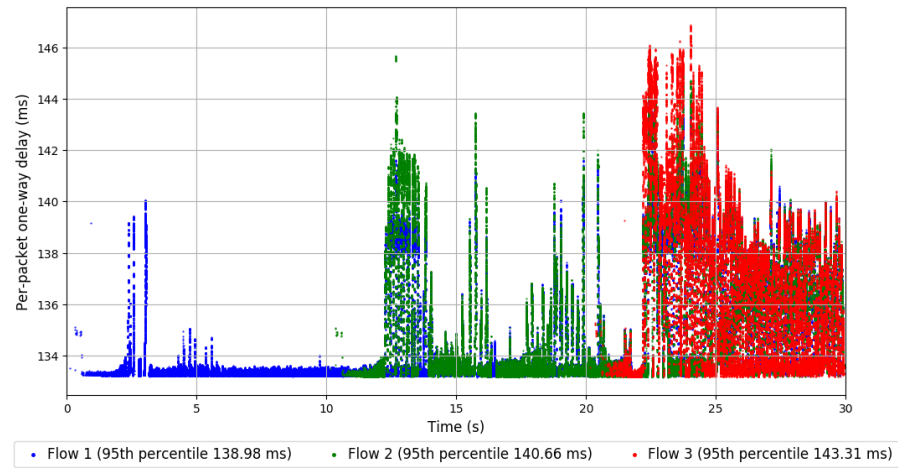
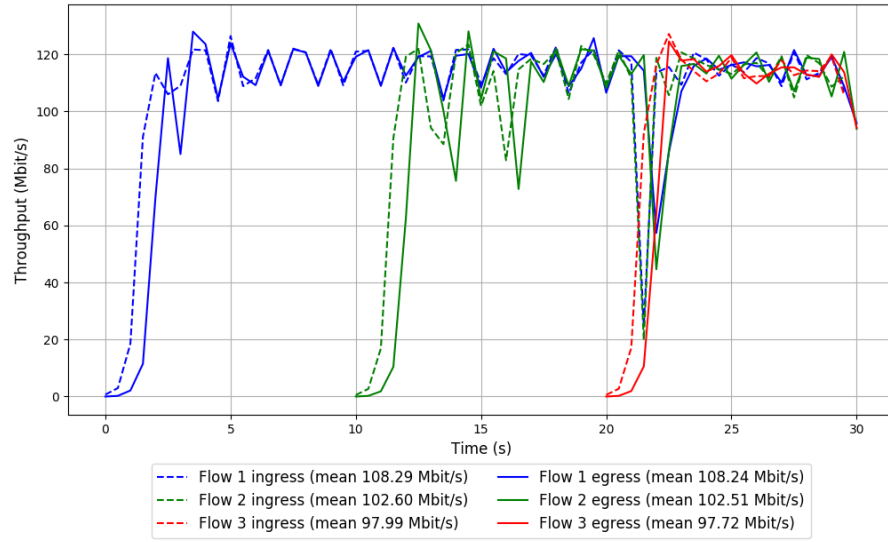
Run 5: Statistics of TCP BBR

Start at: 2018-08-22 21:20:19  
End at: 2018-08-22 21:20:49  
Local clock offset: 1.508 ms  
Remote clock offset: -36.676 ms

# Below is generated by plot.py at 2018-08-23 00:37:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 208.12 Mbit/s  
95th percentile per-packet one-way delay: 140.335 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 108.24 Mbit/s  
95th percentile per-packet one-way delay: 138.981 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 102.51 Mbit/s  
95th percentile per-packet one-way delay: 140.662 ms  
Loss rate: 1.08%  
-- Flow 3:  
Average throughput: 97.72 Mbit/s  
95th percentile per-packet one-way delay: 143.314 ms  
Loss rate: 2.27%



# Run 5: Report of TCP BBR — Data Link

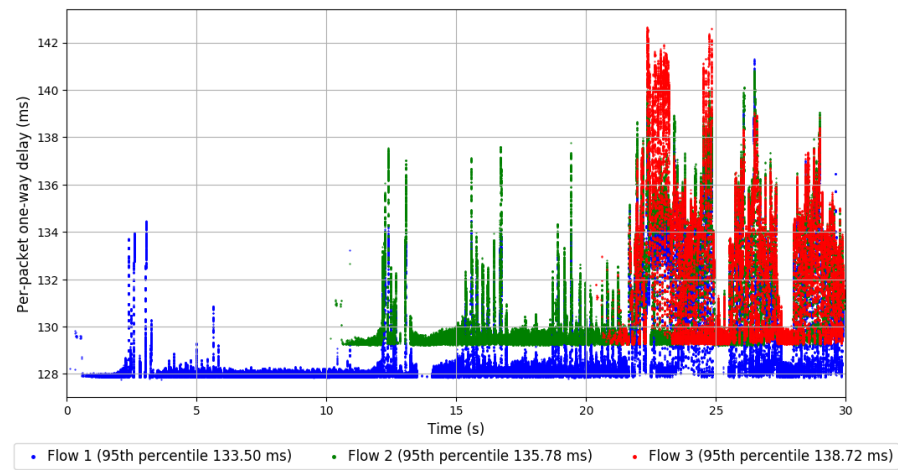
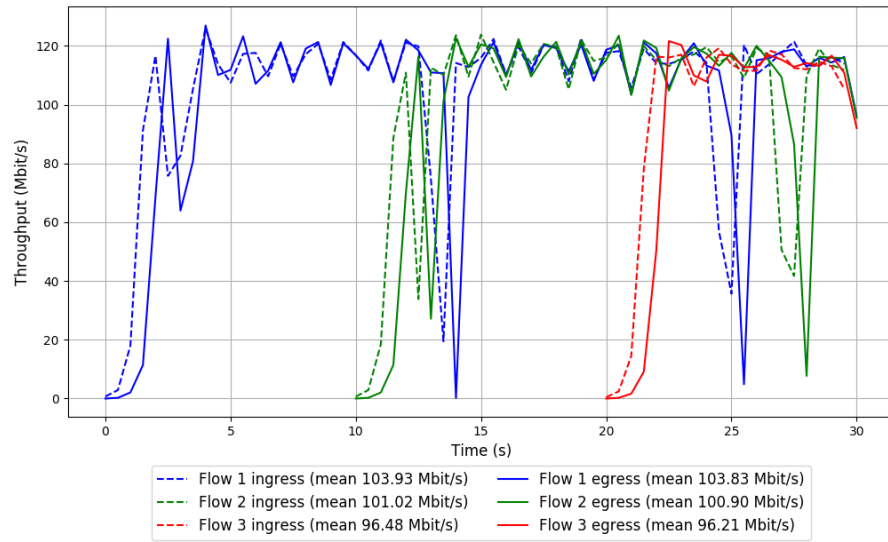


Run 6: Statistics of TCP BBR

Start at: 2018-08-22 21:49:57  
End at: 2018-08-22 21:50:27  
Local clock offset: 0.443 ms  
Remote clock offset: -35.223 ms

# Below is generated by plot.py at 2018-08-23 00:37:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 202.18 Mbit/s  
95th percentile per-packet one-way delay: 135.451 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 103.83 Mbit/s  
95th percentile per-packet one-way delay: 133.499 ms  
Loss rate: 0.77%  
-- Flow 2:  
Average throughput: 100.90 Mbit/s  
95th percentile per-packet one-way delay: 135.779 ms  
Loss rate: 1.11%  
-- Flow 3:  
Average throughput: 96.21 Mbit/s  
95th percentile per-packet one-way delay: 138.719 ms  
Loss rate: 2.28%

# Run 6: Report of TCP BBR — Data Link

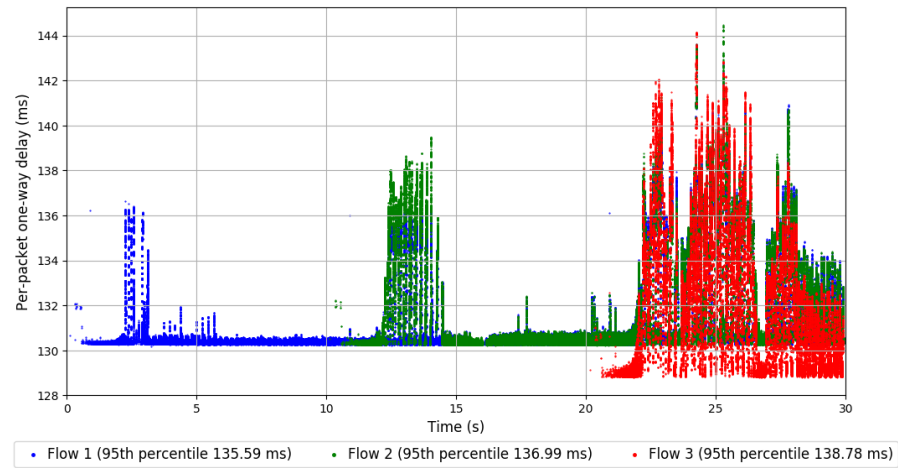
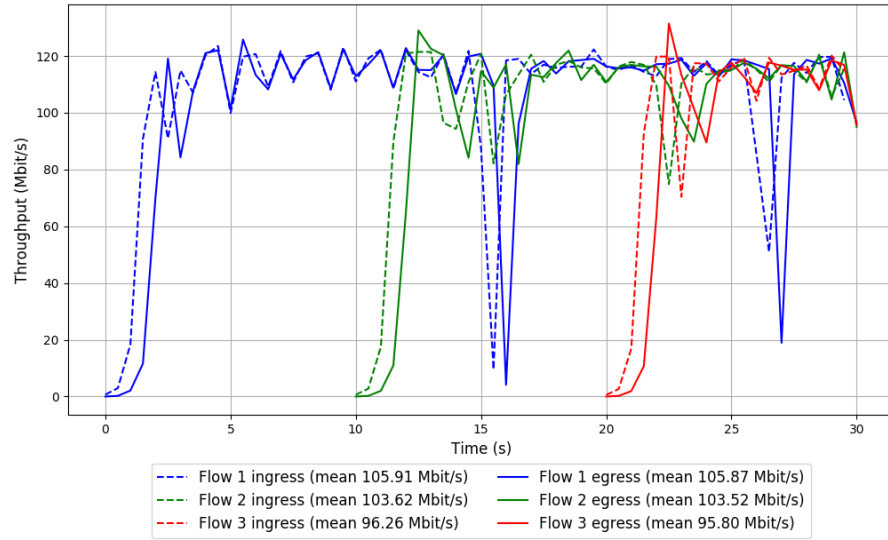


Run 7: Statistics of TCP BBR

Start at: 2018-08-22 22:19:54  
End at: 2018-08-22 22:20:24  
Local clock offset: 2.352 ms  
Remote clock offset: -35.603 ms

# Below is generated by plot.py at 2018-08-23 00:37:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 205.96 Mbit/s  
95th percentile per-packet one-way delay: 136.741 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 105.87 Mbit/s  
95th percentile per-packet one-way delay: 135.586 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 103.52 Mbit/s  
95th percentile per-packet one-way delay: 136.993 ms  
Loss rate: 1.08%  
-- Flow 3:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 138.778 ms  
Loss rate: 2.56%

## Run 7: Report of TCP BBR — Data Link

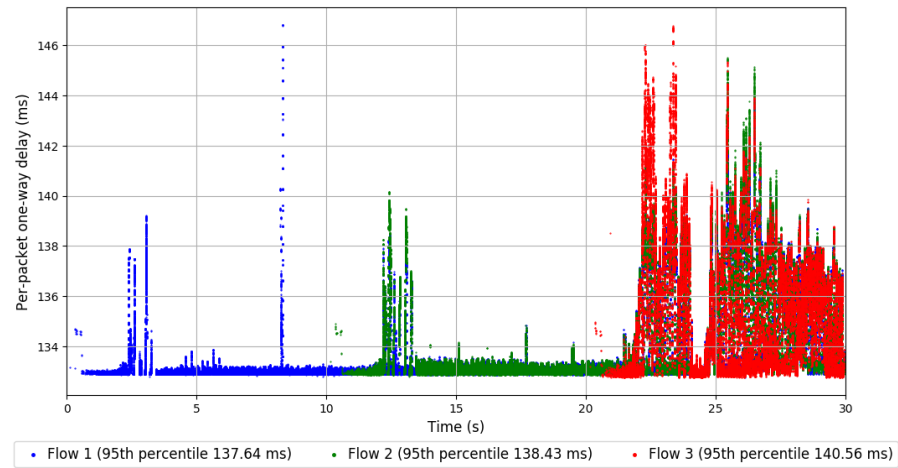
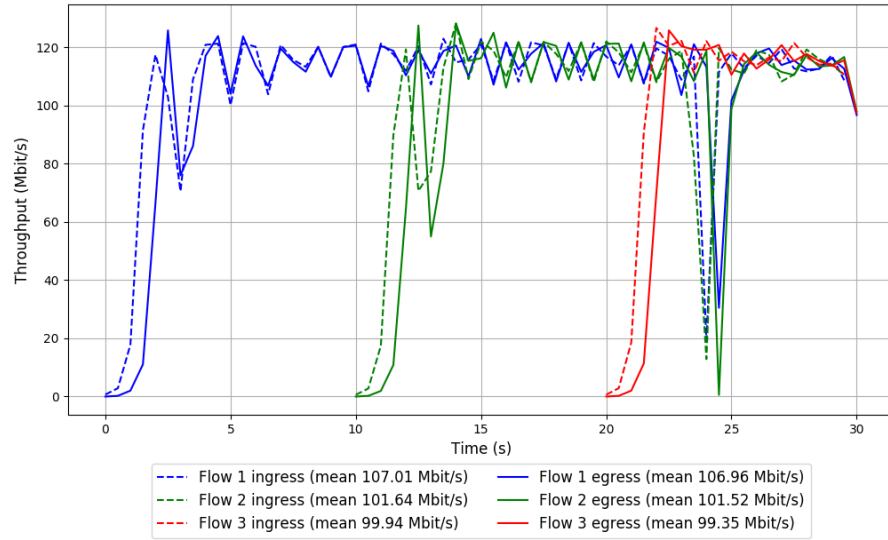


Run 8: Statistics of TCP BBR

Start at: 2018-08-22 22:55:43  
End at: 2018-08-22 22:56:13  
Local clock offset: 4.136 ms  
Remote clock offset: -37.829 ms

# Below is generated by plot.py at 2018-08-23 00:37:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 206.92 Mbit/s  
95th percentile per-packet one-way delay: 138.408 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 106.96 Mbit/s  
95th percentile per-packet one-way delay: 137.642 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 101.52 Mbit/s  
95th percentile per-packet one-way delay: 138.430 ms  
Loss rate: 1.10%  
-- Flow 3:  
Average throughput: 99.35 Mbit/s  
95th percentile per-packet one-way delay: 140.562 ms  
Loss rate: 2.32%

# Run 8: Report of TCP BBR — Data Link



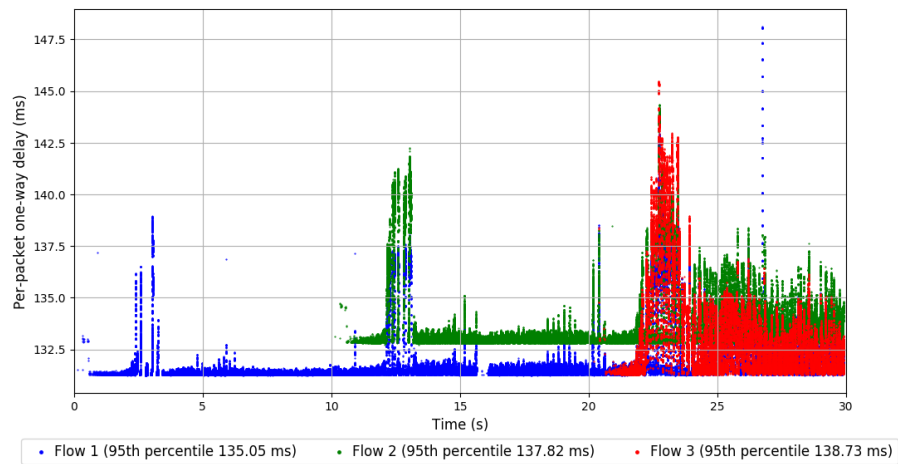
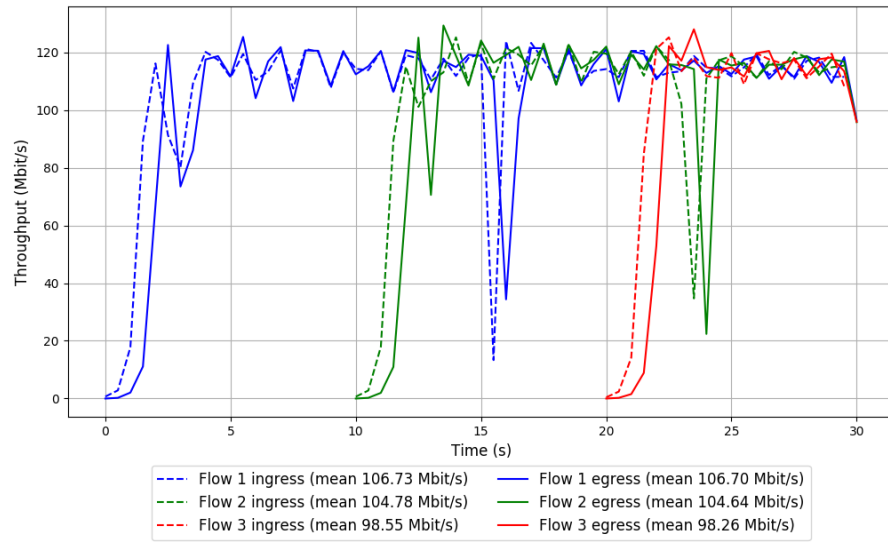
Run 9: Statistics of TCP BBR

Start at: 2018-08-22 23:26:05  
End at: 2018-08-22 23:26:35  
Local clock offset: 4.269 ms  
Remote clock offset: -36.163 ms

# Below is generated by plot.py at 2018-08-23 00:38:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 208.20 Mbit/s  
95th percentile per-packet one-way delay: 136.653 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 106.70 Mbit/s  
95th percentile per-packet one-way delay: 135.051 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 104.64 Mbit/s  
95th percentile per-packet one-way delay: 137.820 ms  
Loss rate: 1.17%  
-- Flow 3:  
Average throughput: 98.26 Mbit/s  
95th percentile per-packet one-way delay: 138.733 ms  
Loss rate: 2.27%



## Run 9: Report of TCP BBR — Data Link

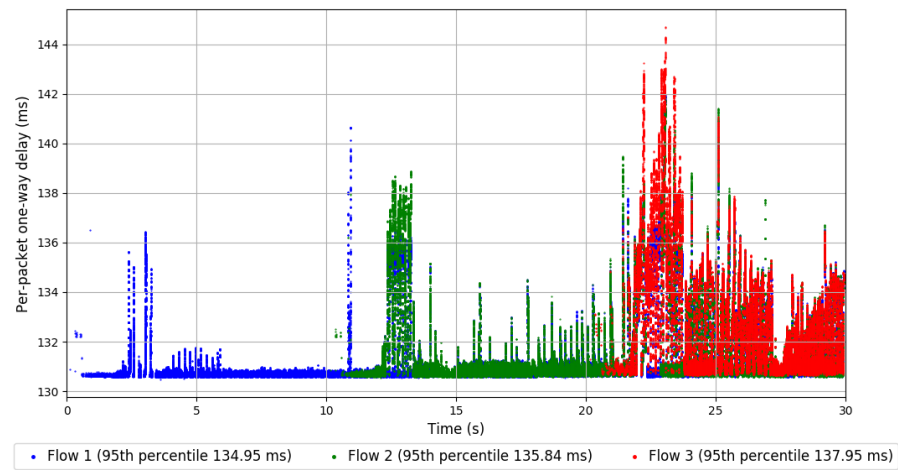
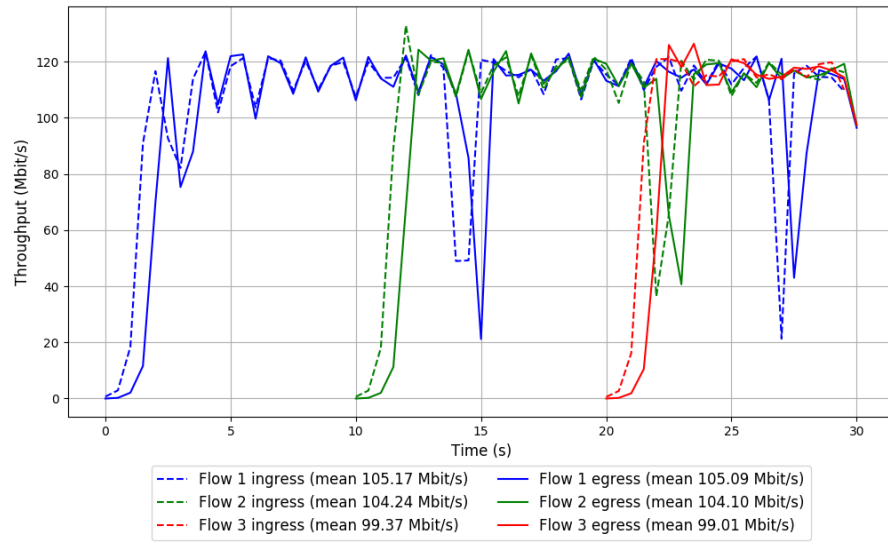


Run 10: Statistics of TCP BBR

Start at: 2018-08-23 00:01:37  
End at: 2018-08-23 00:02:07  
Local clock offset: 2.889 ms  
Remote clock offset: -35.172 ms

# Below is generated by plot.py at 2018-08-23 00:39:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 206.64 Mbit/s  
95th percentile per-packet one-way delay: 135.700 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 105.09 Mbit/s  
95th percentile per-packet one-way delay: 134.949 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 104.10 Mbit/s  
95th percentile per-packet one-way delay: 135.843 ms  
Loss rate: 1.12%  
-- Flow 3:  
Average throughput: 99.01 Mbit/s  
95th percentile per-packet one-way delay: 137.951 ms  
Loss rate: 2.36%

# Run 10: Report of TCP BBR — Data Link

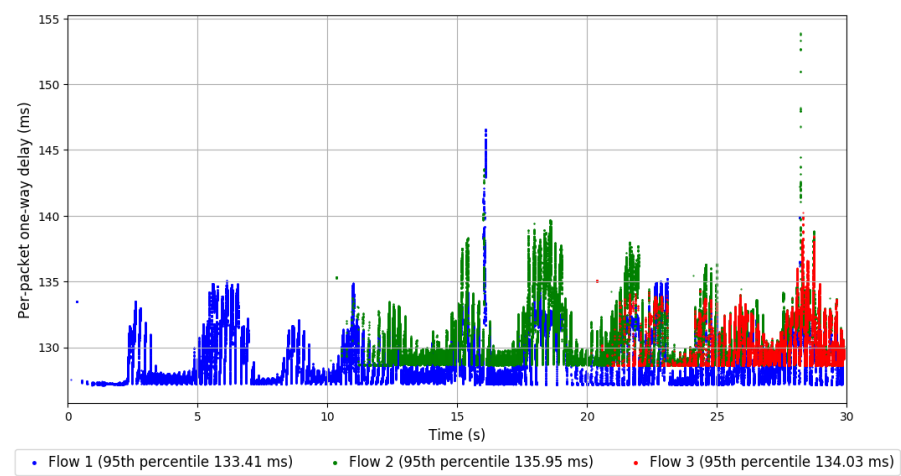
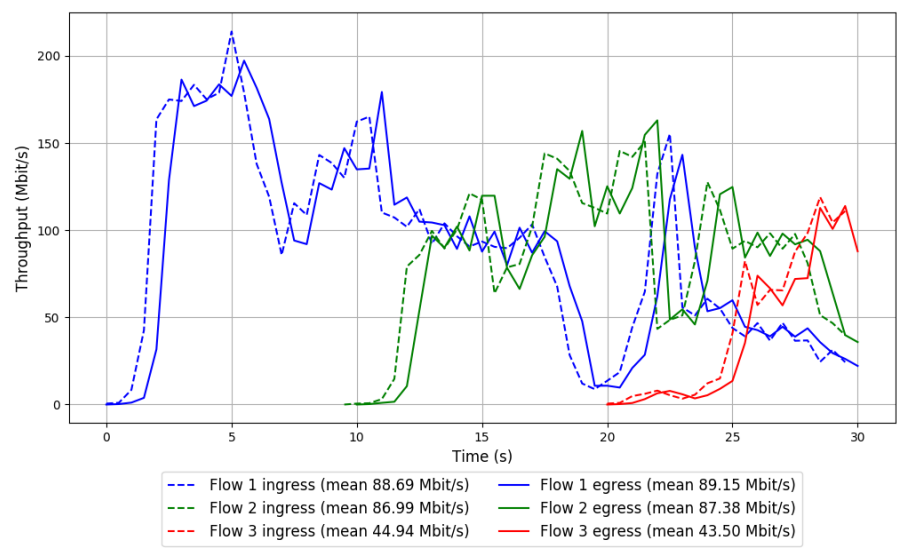


Run 1: Statistics of Copa

Start at: 2018-08-22 19:09:45  
End at: 2018-08-22 19:10:15  
Local clock offset: -4.009 ms  
Remote clock offset: -37.687 ms

# Below is generated by plot.py at 2018-08-23 00:40:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 161.34 Mbit/s  
95th percentile per-packet one-way delay: 134.661 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 89.15 Mbit/s  
95th percentile per-packet one-way delay: 133.405 ms  
Loss rate: 0.21%  
-- Flow 2:  
Average throughput: 87.38 Mbit/s  
95th percentile per-packet one-way delay: 135.952 ms  
Loss rate: 0.52%  
-- Flow 3:  
Average throughput: 43.50 Mbit/s  
95th percentile per-packet one-way delay: 134.029 ms  
Loss rate: 5.09%

Run 1: Report of Copa — Data Link

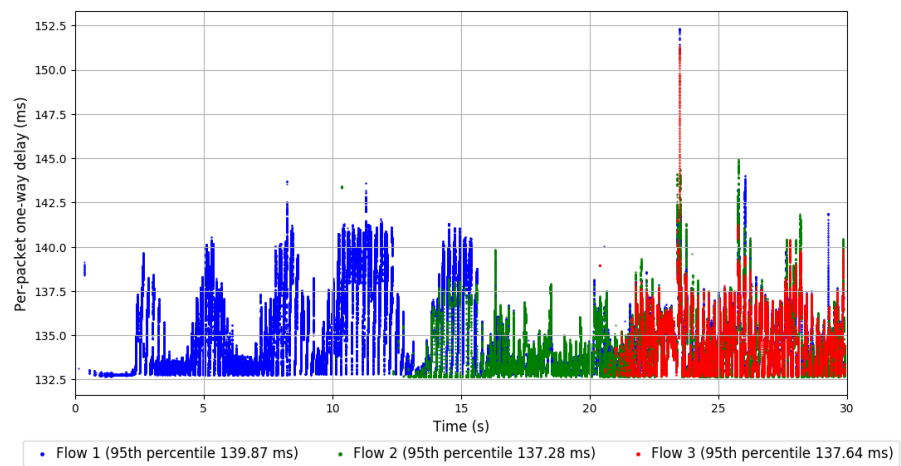
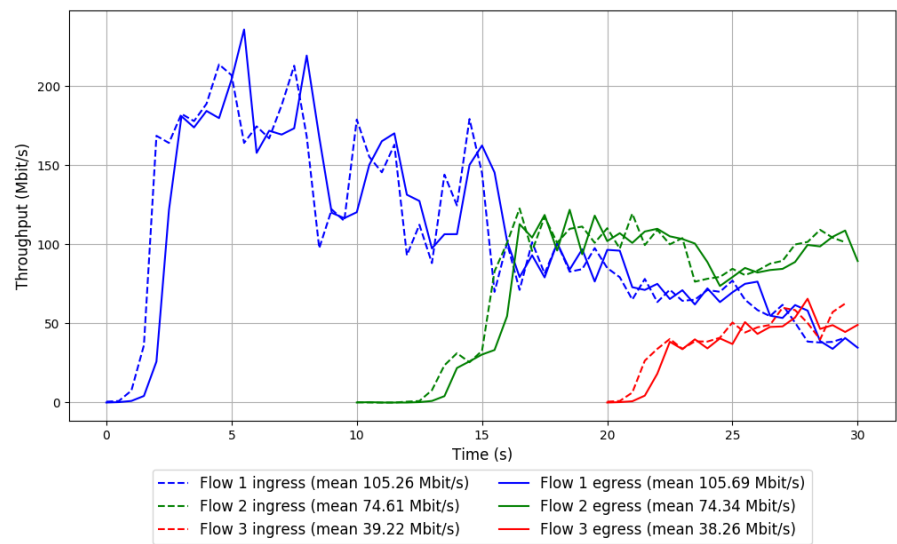


Run 2: Statistics of Copa

Start at: 2018-08-22 19:51:36  
End at: 2018-08-22 19:52:06  
Local clock offset: 1.586 ms  
Remote clock offset: -34.369 ms

# Below is generated by plot.py at 2018-08-23 00:40:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 167.58 Mbit/s  
95th percentile per-packet one-way delay: 139.570 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 105.69 Mbit/s  
95th percentile per-packet one-way delay: 139.865 ms  
Loss rate: 0.25%  
-- Flow 2:  
Average throughput: 74.34 Mbit/s  
95th percentile per-packet one-way delay: 137.277 ms  
Loss rate: 1.33%  
-- Flow 3:  
Average throughput: 38.26 Mbit/s  
95th percentile per-packet one-way delay: 137.640 ms  
Loss rate: 4.36%

Run 2: Report of Copa — Data Link



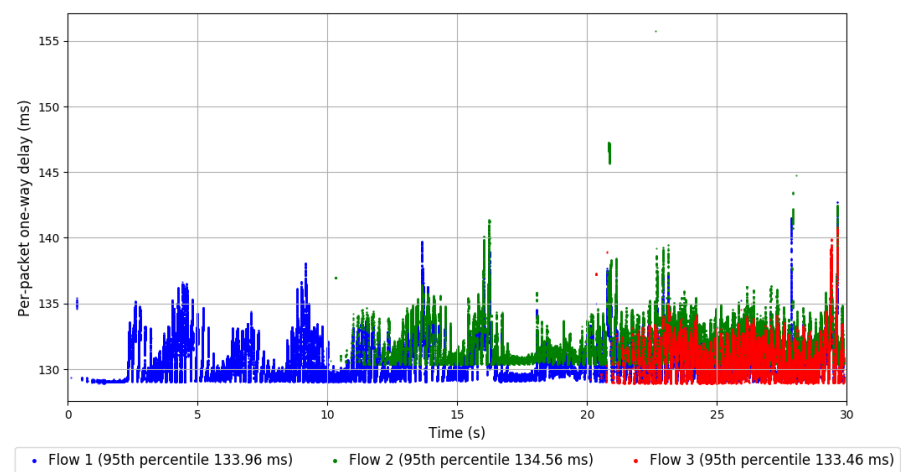
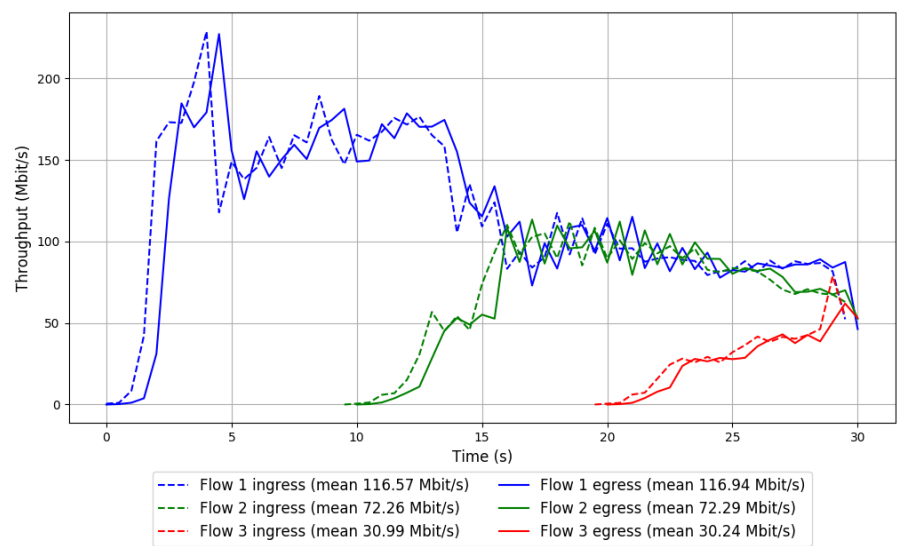
Run 3: Statistics of Copa

Start at: 2018-08-22 20:21:37  
End at: 2018-08-22 20:22:07  
Local clock offset: -0.52 ms  
Remote clock offset: -33.083 ms

# Below is generated by plot.py at 2018-08-23 00:40:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 174.91 Mbit/s  
95th percentile per-packet one-way delay: 134.198 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 116.94 Mbit/s  
95th percentile per-packet one-way delay: 133.958 ms  
Loss rate: 0.33%  
-- Flow 2:  
Average throughput: 72.29 Mbit/s  
95th percentile per-packet one-way delay: 134.559 ms  
Loss rate: 0.94%  
-- Flow 3:  
Average throughput: 30.24 Mbit/s  
95th percentile per-packet one-way delay: 133.456 ms  
Loss rate: 4.30%



Run 3: Report of Copa — Data Link

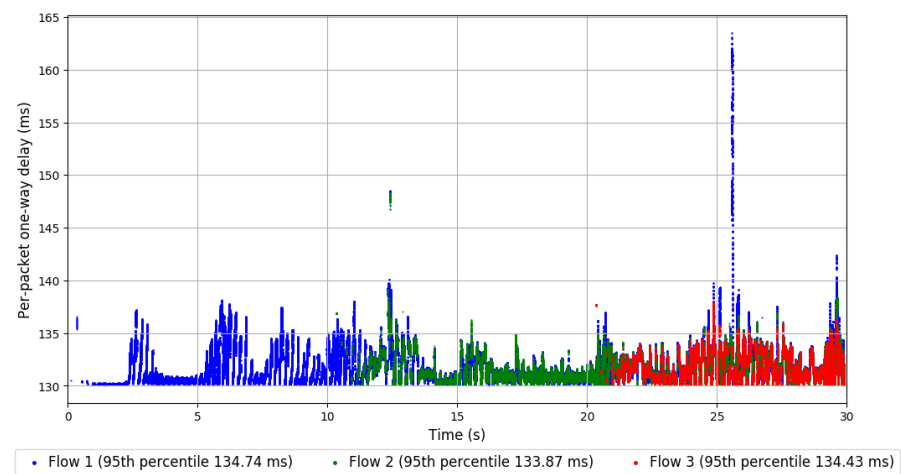
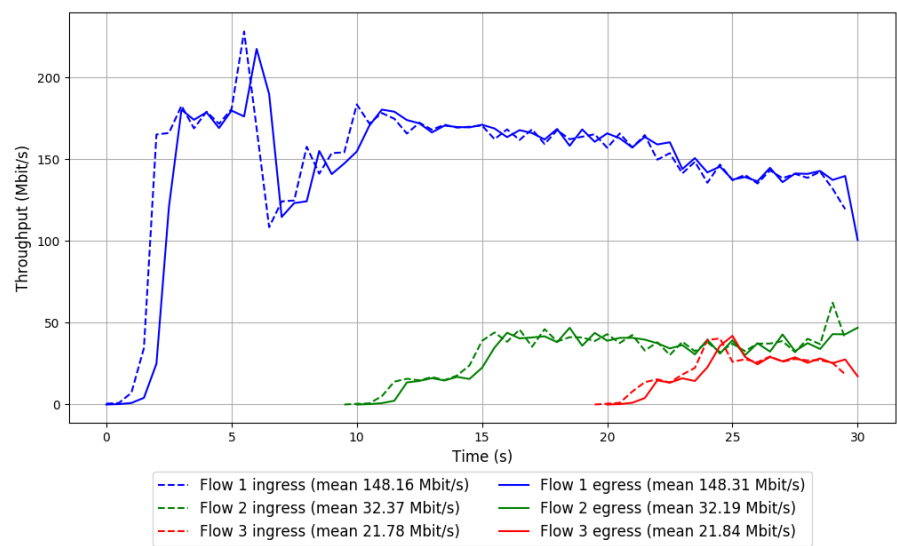


Run 4: Statistics of Copa

Start at: 2018-08-22 20:51:44  
End at: 2018-08-22 20:52:14  
Local clock offset: -0.184 ms  
Remote clock offset: -33.601 ms

# Below is generated by plot.py at 2018-08-23 00:40:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 176.85 Mbit/s  
95th percentile per-packet one-way delay: 134.621 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 148.31 Mbit/s  
95th percentile per-packet one-way delay: 134.739 ms  
Loss rate: 0.56%  
-- Flow 2:  
Average throughput: 32.19 Mbit/s  
95th percentile per-packet one-way delay: 133.874 ms  
Loss rate: 1.54%  
-- Flow 3:  
Average throughput: 21.84 Mbit/s  
95th percentile per-packet one-way delay: 134.430 ms  
Loss rate: 1.70%

Run 4: Report of Copa — Data Link

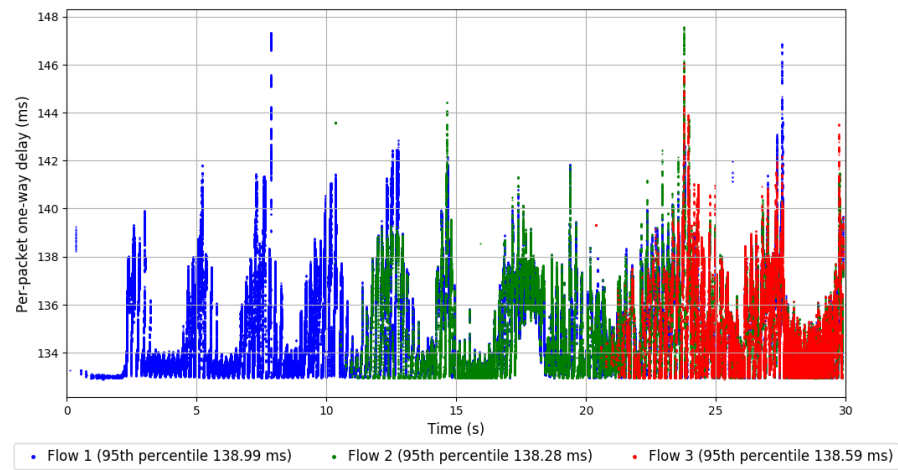
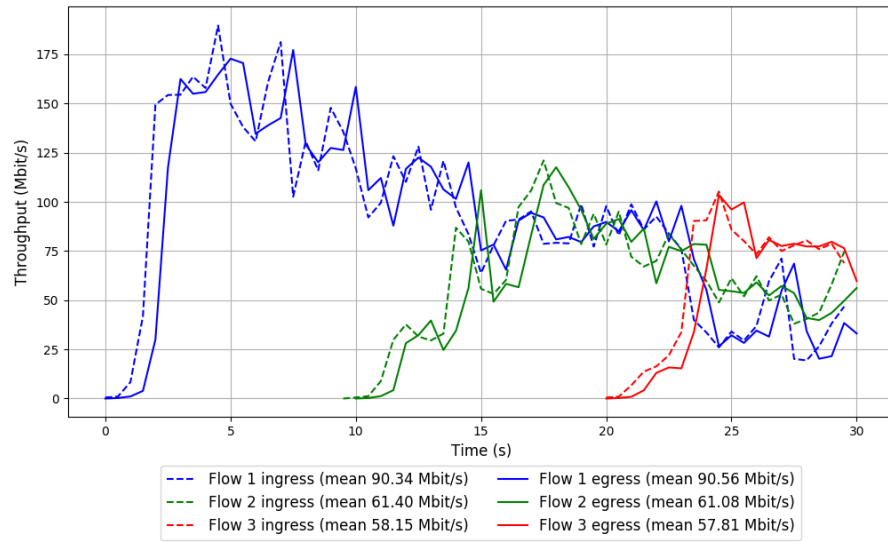


Run 5: Statistics of Copa

Start at: 2018-08-22 21:21:47  
End at: 2018-08-22 21:22:17  
Local clock offset: 0.415 ms  
Remote clock offset: -39.064 ms

# Below is generated by plot.py at 2018-08-23 00:40:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 150.07 Mbit/s  
95th percentile per-packet one-way delay: 138.711 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 90.56 Mbit/s  
95th percentile per-packet one-way delay: 138.990 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 61.08 Mbit/s  
95th percentile per-packet one-way delay: 138.277 ms  
Loss rate: 1.53%  
-- Flow 3:  
Average throughput: 57.81 Mbit/s  
95th percentile per-packet one-way delay: 138.592 ms  
Loss rate: 2.67%

## Run 5: Report of Copa — Data Link

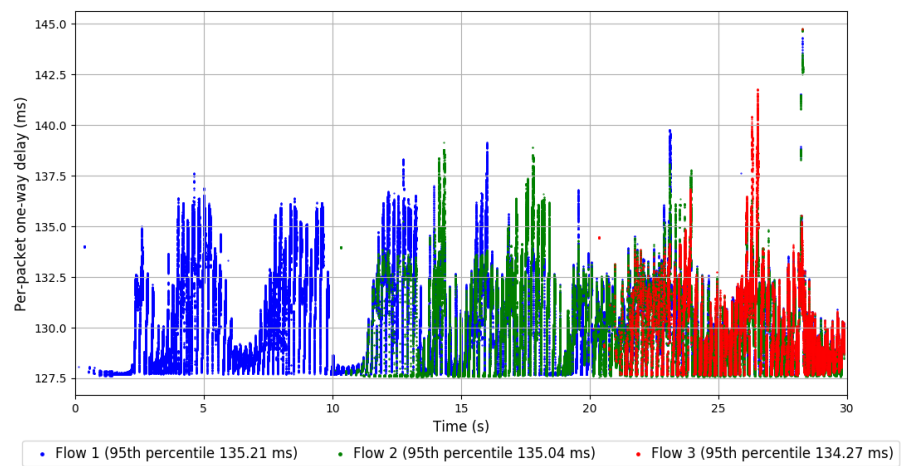
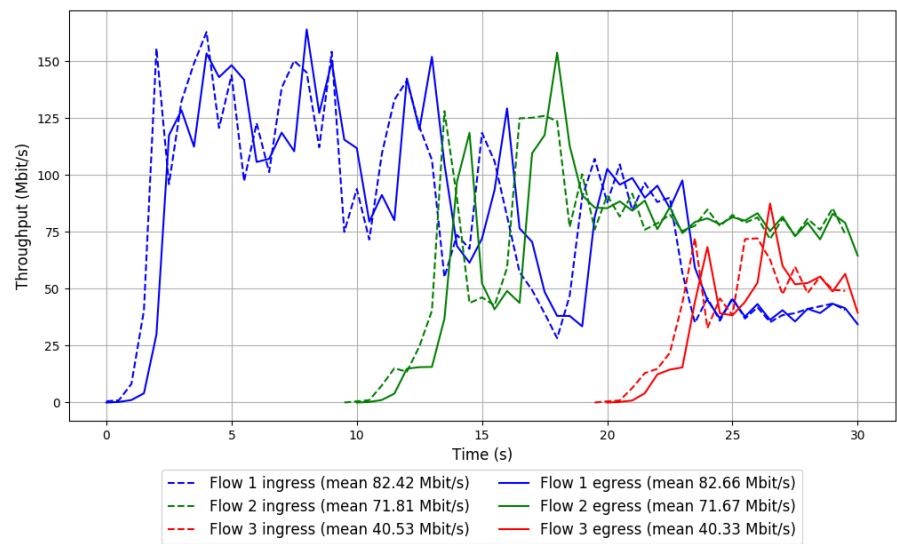


Run 6: Statistics of Copa

Start at: 2018-08-22 21:51:25  
End at: 2018-08-22 21:51:55  
Local clock offset: 0.066 ms  
Remote clock offset: -34.007 ms

# Below is generated by plot.py at 2018-08-23 00:40:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 143.52 Mbit/s  
95th percentile per-packet one-way delay: 135.151 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 82.66 Mbit/s  
95th percentile per-packet one-way delay: 135.211 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 71.67 Mbit/s  
95th percentile per-packet one-way delay: 135.044 ms  
Loss rate: 1.17%  
-- Flow 3:  
Average throughput: 40.33 Mbit/s  
95th percentile per-packet one-way delay: 134.268 ms  
Loss rate: 2.46%

Run 6: Report of Copa — Data Link



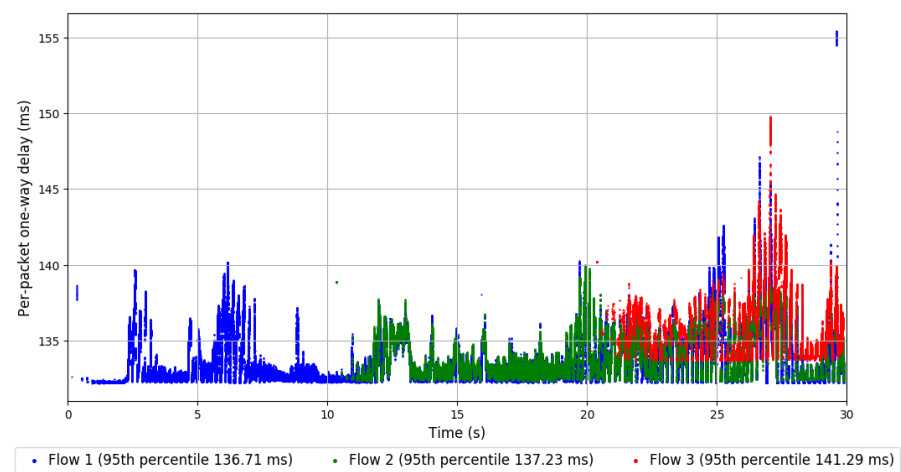
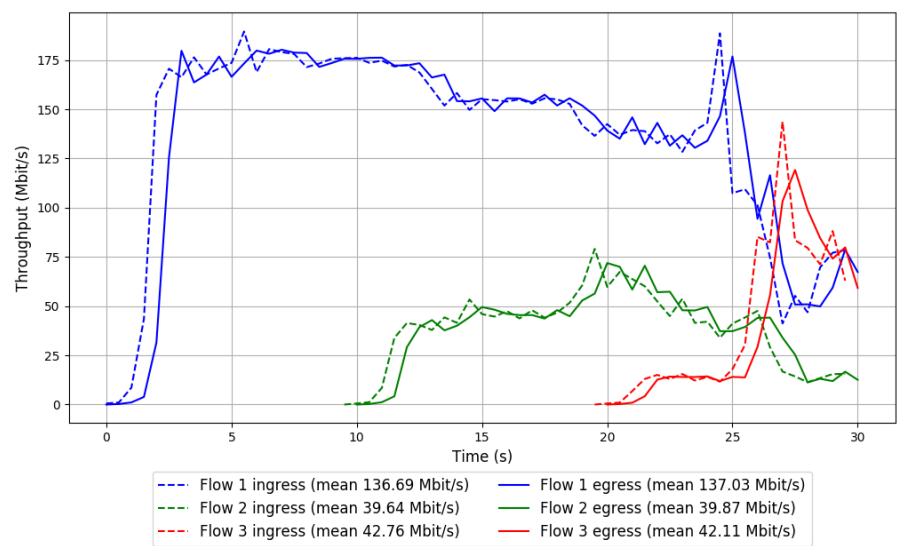
Run 7: Statistics of Copa

Start at: 2018-08-22 22:21:22  
End at: 2018-08-22 22:21:52  
Local clock offset: 3.063 ms  
Remote clock offset: -38.408 ms

# Below is generated by plot.py at 2018-08-23 00:42:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 177.28 Mbit/s  
95th percentile per-packet one-way delay: 137.726 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 137.03 Mbit/s  
95th percentile per-packet one-way delay: 136.706 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 39.87 Mbit/s  
95th percentile per-packet one-way delay: 137.228 ms  
Loss rate: 0.39%  
-- Flow 3:  
Average throughput: 42.11 Mbit/s  
95th percentile per-packet one-way delay: 141.295 ms  
Loss rate: 3.46%



Run 7: Report of Copa — Data Link

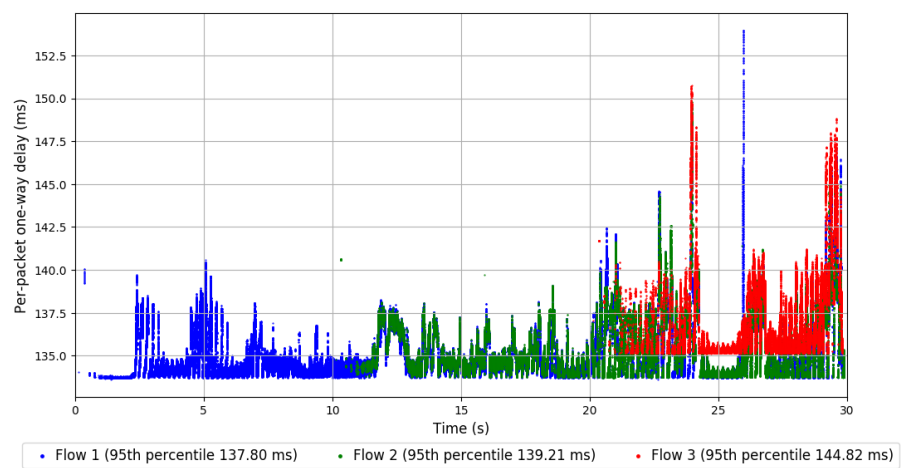
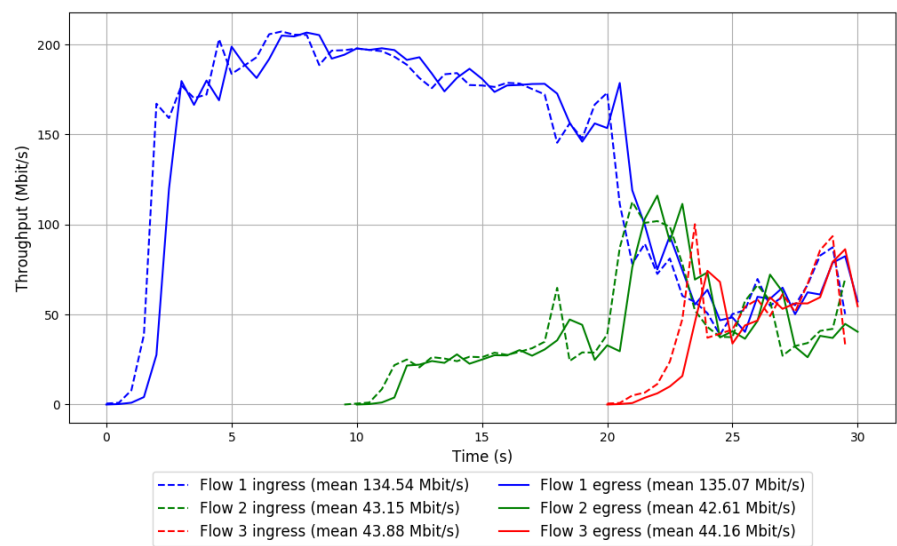


Run 8: Statistics of Copa

Start at: 2018-08-22 22:57:19  
End at: 2018-08-22 22:57:49  
Local clock offset: 3.495 ms  
Remote clock offset: -39.386 ms

# Below is generated by plot.py at 2018-08-23 00:43:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 177.73 Mbit/s  
95th percentile per-packet one-way delay: 138.825 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 135.07 Mbit/s  
95th percentile per-packet one-way delay: 137.798 ms  
Loss rate: 0.26%  
-- Flow 2:  
Average throughput: 42.61 Mbit/s  
95th percentile per-packet one-way delay: 139.207 ms  
Loss rate: 2.21%  
-- Flow 3:  
Average throughput: 44.16 Mbit/s  
95th percentile per-packet one-way delay: 144.816 ms  
Loss rate: 1.58%

Run 8: Report of Copa — Data Link

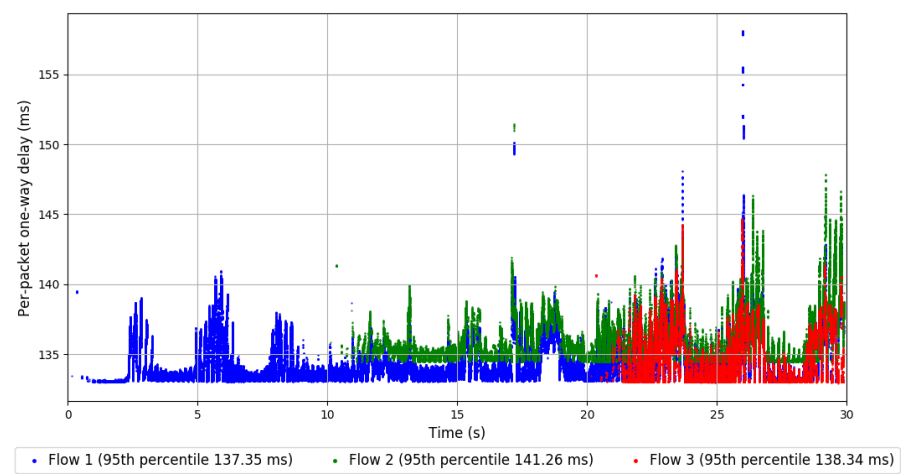
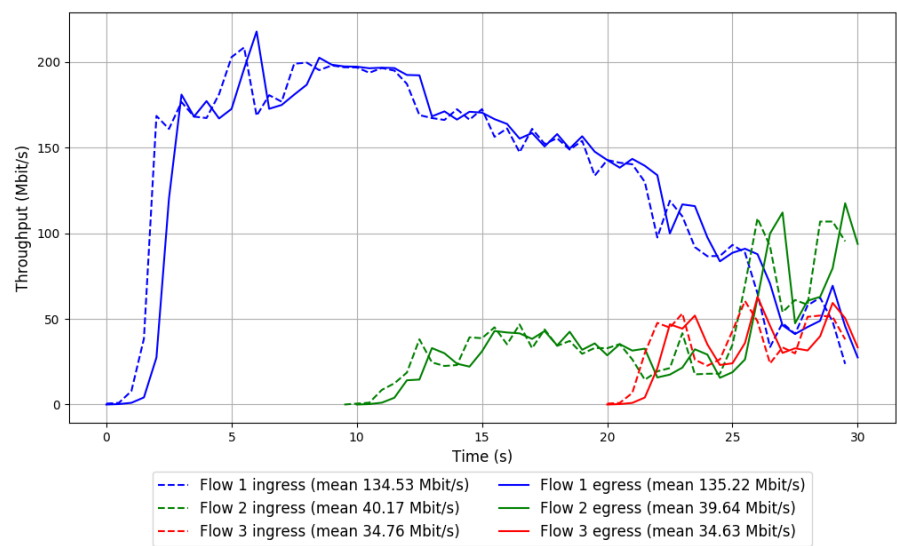


Run 9: Statistics of Copa

Start at: 2018-08-22 23:27:32  
End at: 2018-08-22 23:28:02  
Local clock offset: 2.089 ms  
Remote clock offset: -40.085 ms

# Below is generated by plot.py at 2018-08-23 00:43:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 172.83 Mbit/s  
95th percentile per-packet one-way delay: 138.356 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 135.22 Mbit/s  
95th percentile per-packet one-way delay: 137.349 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 39.64 Mbit/s  
95th percentile per-packet one-way delay: 141.258 ms  
Loss rate: 1.92%  
-- Flow 3:  
Average throughput: 34.63 Mbit/s  
95th percentile per-packet one-way delay: 138.345 ms  
Loss rate: 2.42%

Run 9: Report of Copa — Data Link

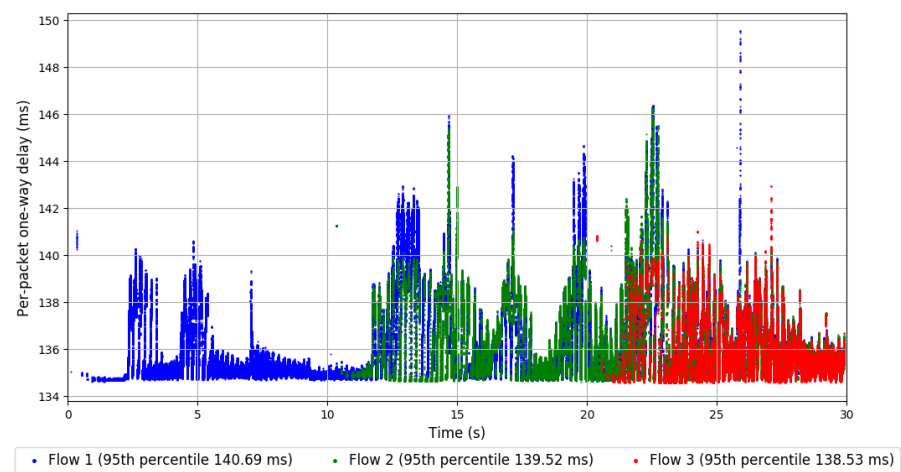
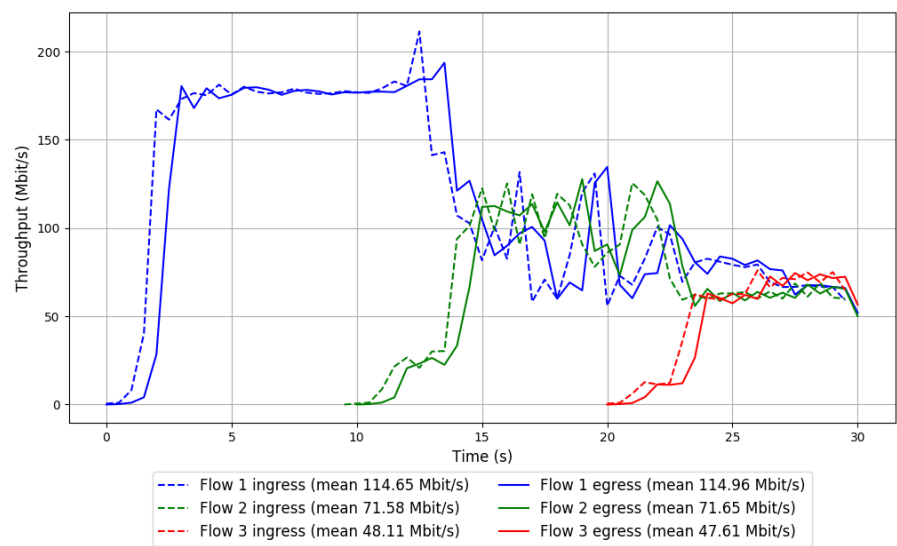


Run 10: Statistics of Copa

Start at: 2018-08-23 00:03:05  
End at: 2018-08-23 00:03:35  
Local clock offset: 1.979 ms  
Remote clock offset: -40.115 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 178.14 Mbit/s  
95th percentile per-packet one-way delay: 140.162 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 114.96 Mbit/s  
95th percentile per-packet one-way delay: 140.688 ms  
Loss rate: 0.38%  
-- Flow 2:  
Average throughput: 71.65 Mbit/s  
95th percentile per-packet one-way delay: 139.523 ms  
Loss rate: 0.87%  
-- Flow 3:  
Average throughput: 47.61 Mbit/s  
95th percentile per-packet one-way delay: 138.531 ms  
Loss rate: 2.98%

Run 10: Report of Copa — Data Link



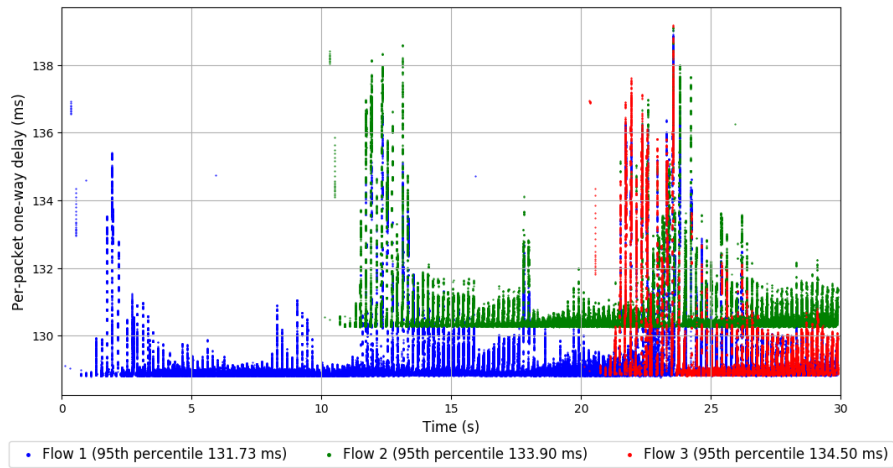
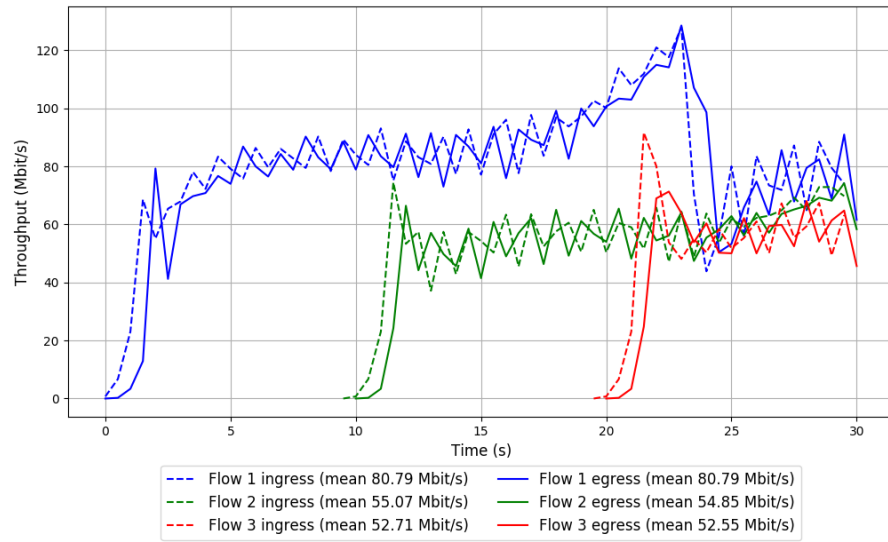
Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 19:20:54  
End at: 2018-08-22 19:21:24  
Local clock offset: 1.037 ms  
Remote clock offset: -34.32 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 134.44 Mbit/s  
95th percentile per-packet one-way delay: 133.010 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 80.79 Mbit/s  
95th percentile per-packet one-way delay: 131.730 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 54.85 Mbit/s  
95th percentile per-packet one-way delay: 133.904 ms  
Loss rate: 1.36%  
-- Flow 3:  
Average throughput: 52.55 Mbit/s  
95th percentile per-packet one-way delay: 134.497 ms  
Loss rate: 2.22%



# Run 1: Report of TCP Cubic — Data Link

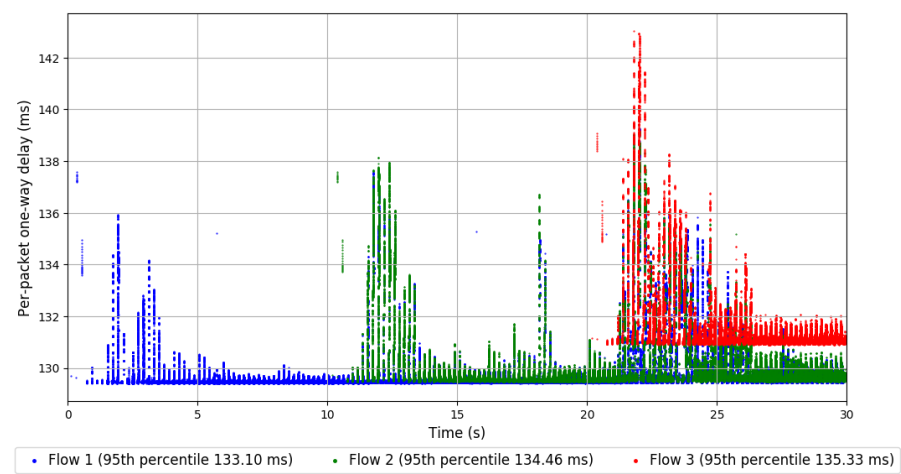
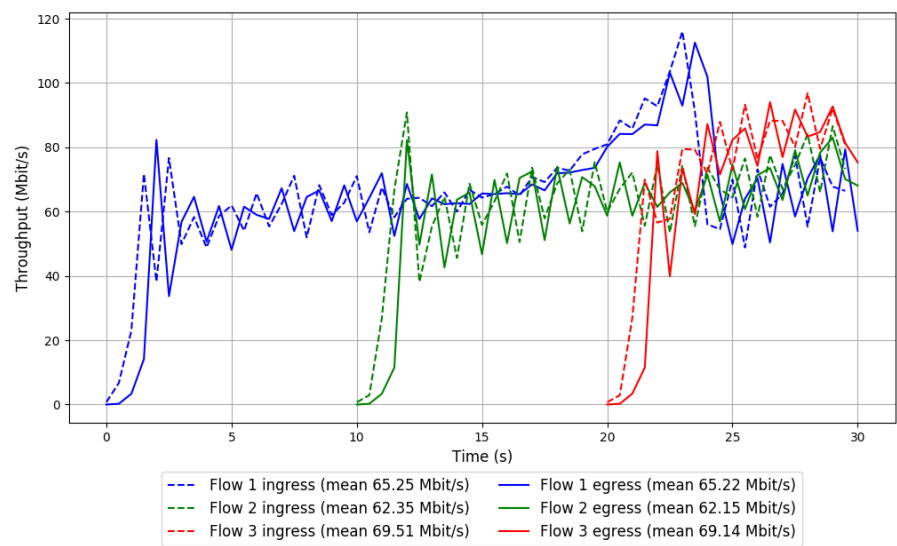


Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 20:02:41  
End at: 2018-08-22 20:03:12  
Local clock offset: -0.002 ms  
Remote clock offset: -33.591 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 129.03 Mbit/s  
95th percentile per-packet one-way delay: 134.097 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 65.22 Mbit/s  
95th percentile per-packet one-way delay: 133.098 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 62.15 Mbit/s  
95th percentile per-packet one-way delay: 134.460 ms  
Loss rate: 1.28%  
-- Flow 3:  
Average throughput: 69.14 Mbit/s  
95th percentile per-packet one-way delay: 135.334 ms  
Loss rate: 2.45%

Run 2: Report of TCP Cubic — Data Link

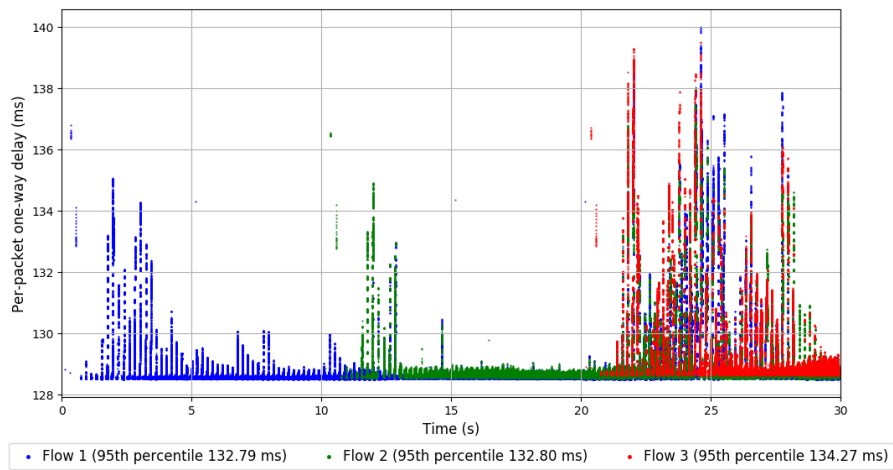
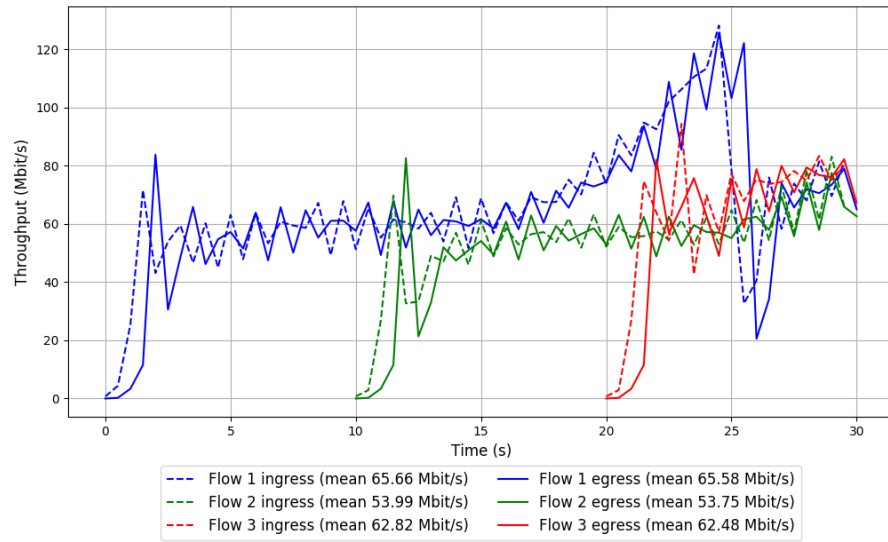


Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 20:32:45  
End at: 2018-08-22 20:33:15  
Local clock offset: -0.448 ms  
Remote clock offset: -30.829 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 121.67 Mbit/s  
95th percentile per-packet one-way delay: 133.196 ms  
Loss rate: 1.25%  
-- Flow 1:  
Average throughput: 65.58 Mbit/s  
95th percentile per-packet one-way delay: 132.792 ms  
Loss rate: 0.77%  
-- Flow 2:  
Average throughput: 53.75 Mbit/s  
95th percentile per-packet one-way delay: 132.800 ms  
Loss rate: 1.42%  
-- Flow 3:  
Average throughput: 62.48 Mbit/s  
95th percentile per-packet one-way delay: 134.269 ms  
Loss rate: 2.46%

### Run 3: Report of TCP Cubic — Data Link

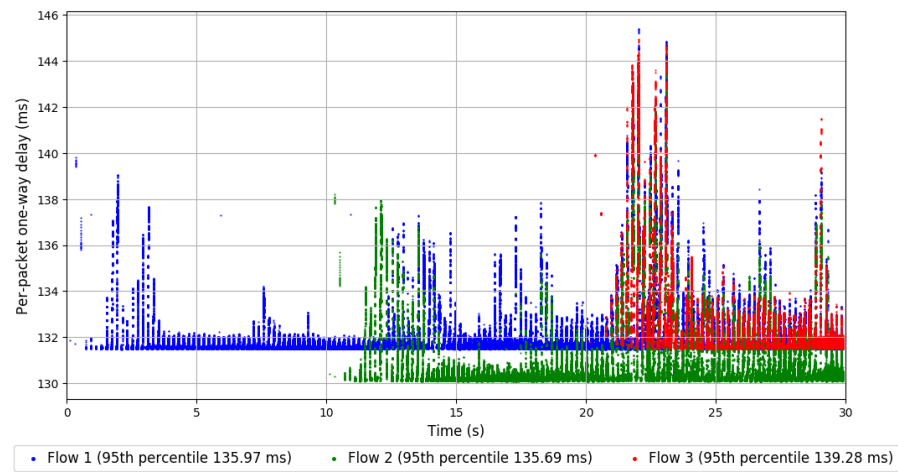
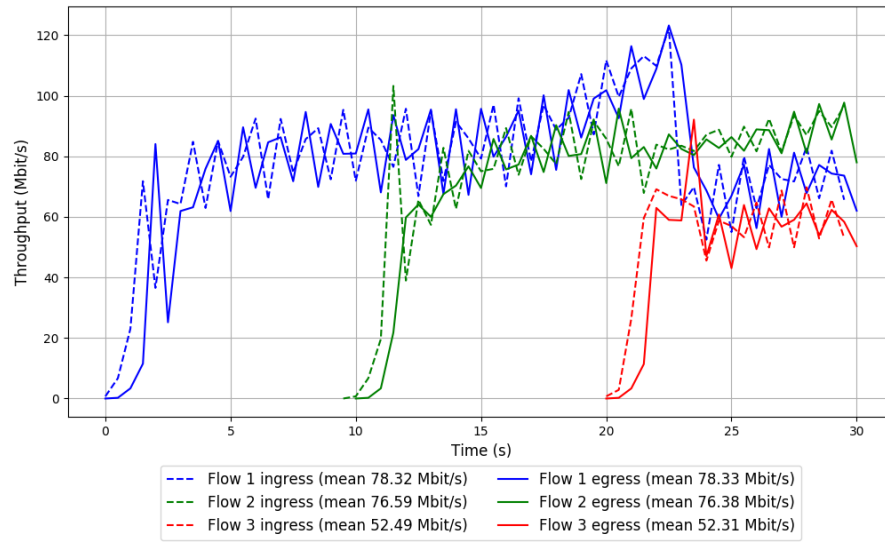


Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 21:02:58  
End at: 2018-08-22 21:03:28  
Local clock offset: 1.376 ms  
Remote clock offset: -33.877 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 146.20 Mbit/s  
95th percentile per-packet one-way delay: 136.089 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 78.33 Mbit/s  
95th percentile per-packet one-way delay: 135.966 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 76.38 Mbit/s  
95th percentile per-packet one-way delay: 135.690 ms  
Loss rate: 1.23%  
-- Flow 3:  
Average throughput: 52.31 Mbit/s  
95th percentile per-packet one-way delay: 139.285 ms  
Loss rate: 2.31%

# Run 4: Report of TCP Cubic — Data Link



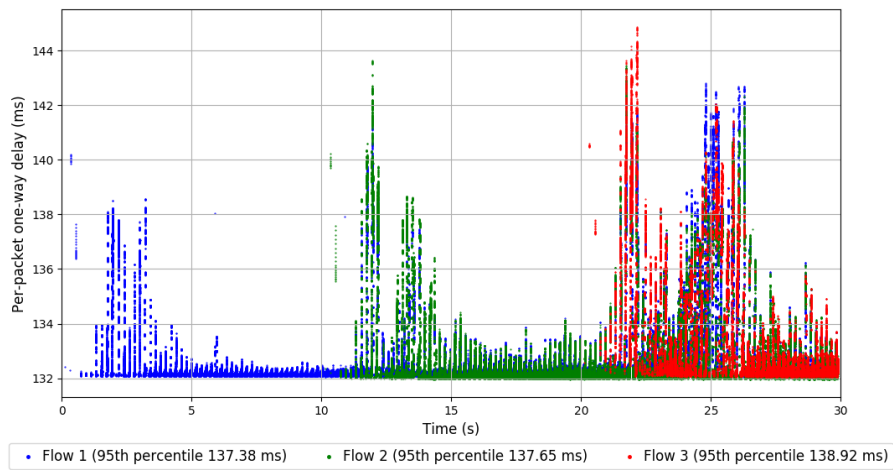
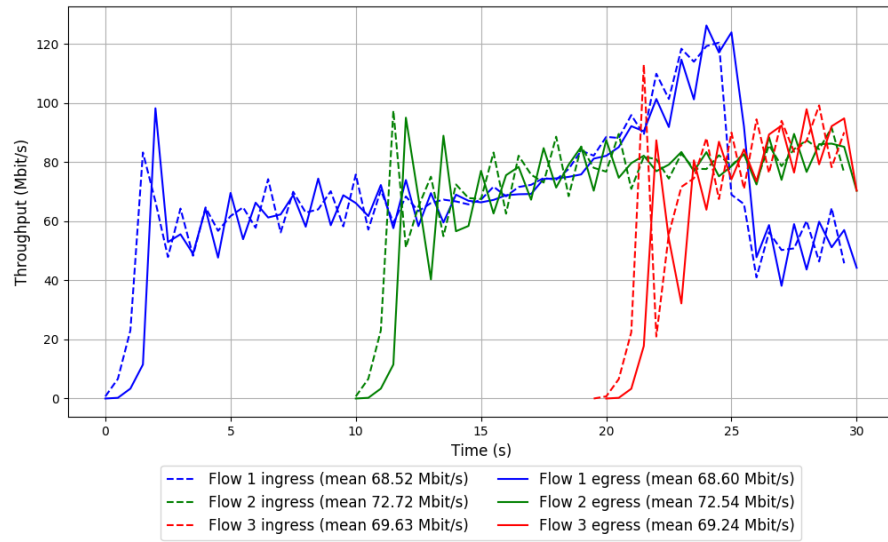
Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 21:38:23  
End at: 2018-08-22 21:38:53  
Local clock offset: 2.447 ms  
Remote clock offset: -36.873 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 139.43 Mbit/s  
95th percentile per-packet one-way delay: 137.839 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 68.60 Mbit/s  
95th percentile per-packet one-way delay: 137.375 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 72.54 Mbit/s  
95th percentile per-packet one-way delay: 137.646 ms  
Loss rate: 1.20%  
-- Flow 3:  
Average throughput: 69.24 Mbit/s  
95th percentile per-packet one-way delay: 138.921 ms  
Loss rate: 2.47%



## Run 5: Report of TCP Cubic — Data Link

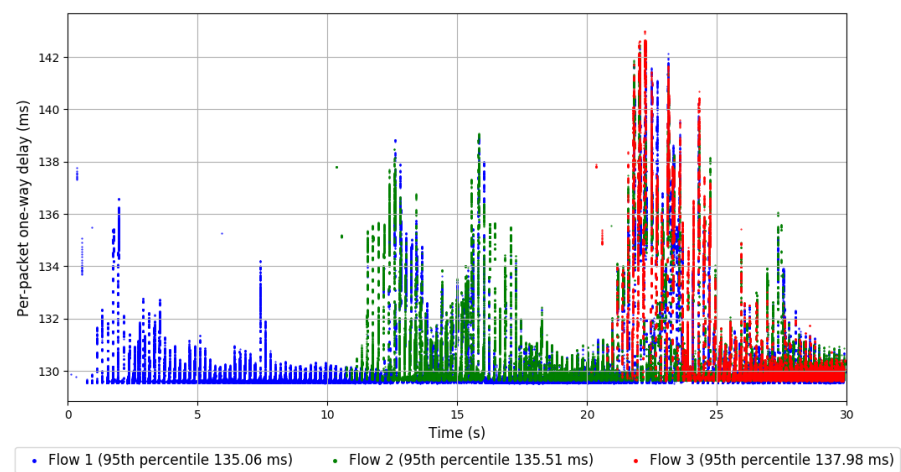
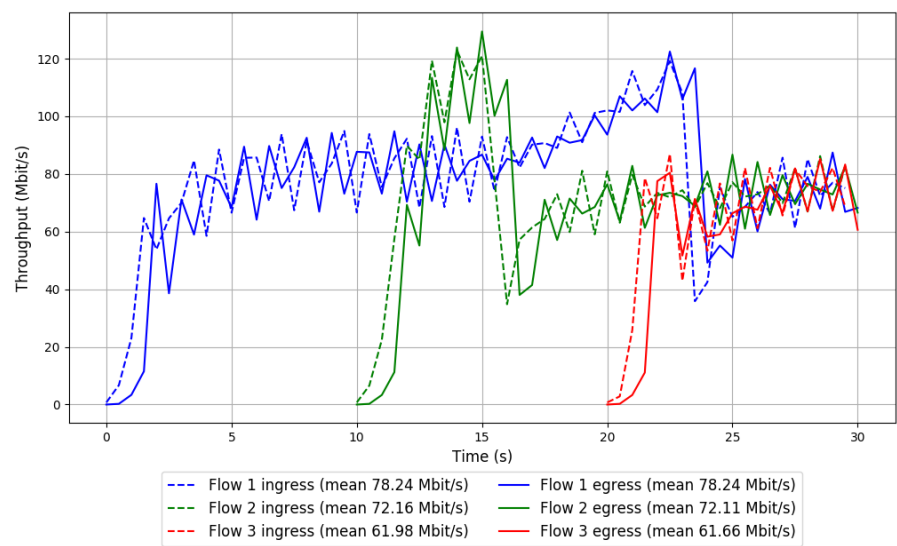


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 22:02:32  
End at: 2018-08-22 22:03:02  
Local clock offset: 1.631 ms  
Remote clock offset: -34.679 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 146.33 Mbit/s  
95th percentile per-packet one-way delay: 135.778 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 78.24 Mbit/s  
95th percentile per-packet one-way delay: 135.064 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 72.11 Mbit/s  
95th percentile per-packet one-way delay: 135.509 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 61.66 Mbit/s  
95th percentile per-packet one-way delay: 137.976 ms  
Loss rate: 2.45%

Run 6: Report of TCP Cubic — Data Link

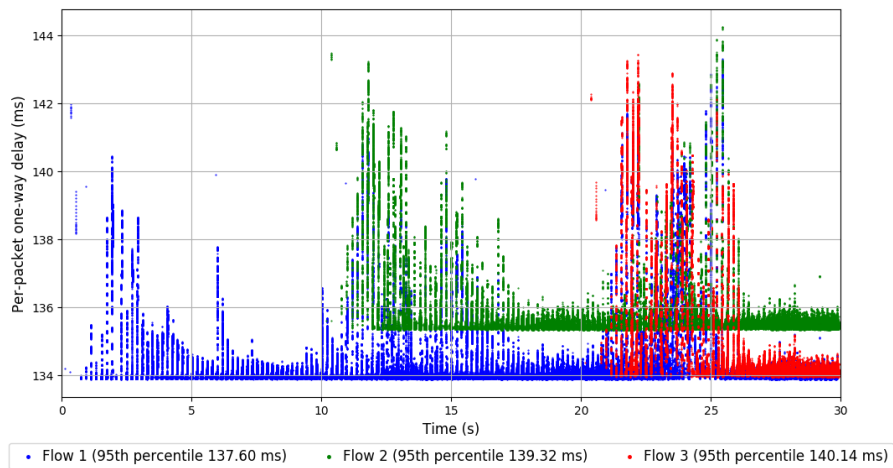
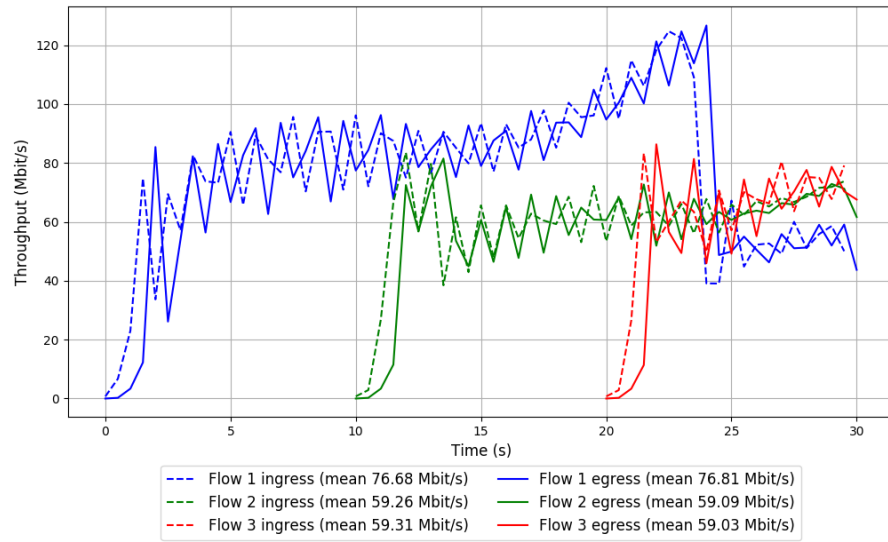


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 22:32:33  
End at: 2018-08-22 22:33:03  
Local clock offset: 2.982 ms  
Remote clock offset: -40.383 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 135.27 Mbit/s  
95th percentile per-packet one-way delay: 138.722 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 76.81 Mbit/s  
95th percentile per-packet one-way delay: 137.600 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 59.09 Mbit/s  
95th percentile per-packet one-way delay: 139.317 ms  
Loss rate: 1.26%  
-- Flow 3:  
Average throughput: 59.03 Mbit/s  
95th percentile per-packet one-way delay: 140.142 ms  
Loss rate: 2.40%

## Run 7: Report of TCP Cubic — Data Link

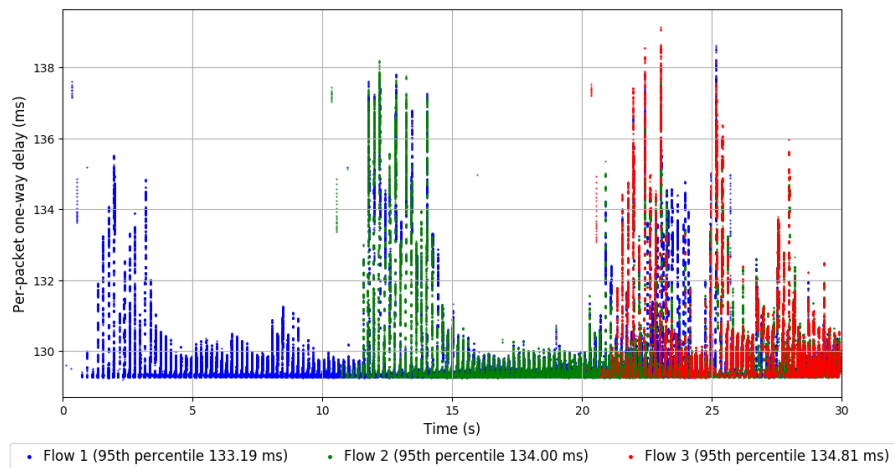
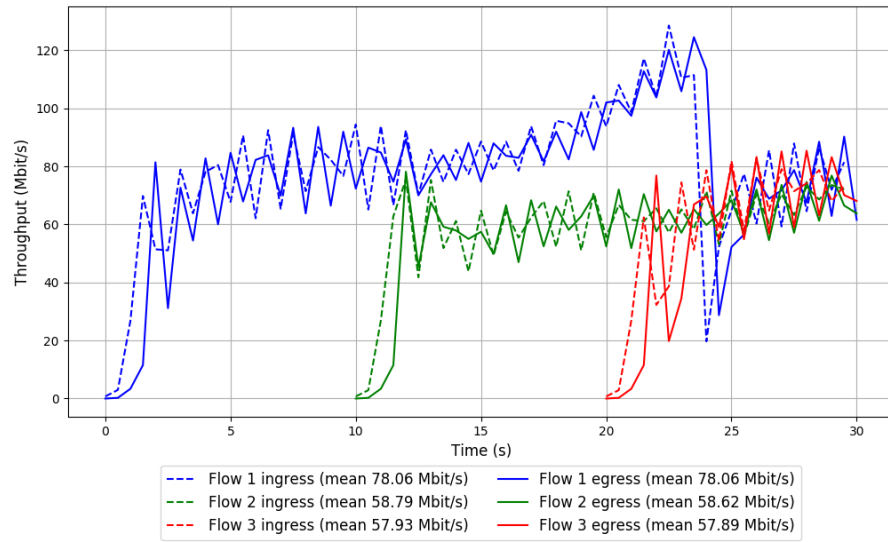


Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 23:14:08  
End at: 2018-08-22 23:14:38  
Local clock offset: 1.771 ms  
Remote clock offset: -35.363 ms

# Below is generated by plot.py at 2018-08-23 00:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 135.88 Mbit/s  
95th percentile per-packet one-way delay: 133.745 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 78.06 Mbit/s  
95th percentile per-packet one-way delay: 133.194 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 58.62 Mbit/s  
95th percentile per-packet one-way delay: 134.001 ms  
Loss rate: 1.27%  
-- Flow 3:  
Average throughput: 57.89 Mbit/s  
95th percentile per-packet one-way delay: 134.813 ms  
Loss rate: 2.03%

## Run 8: Report of TCP Cubic — Data Link



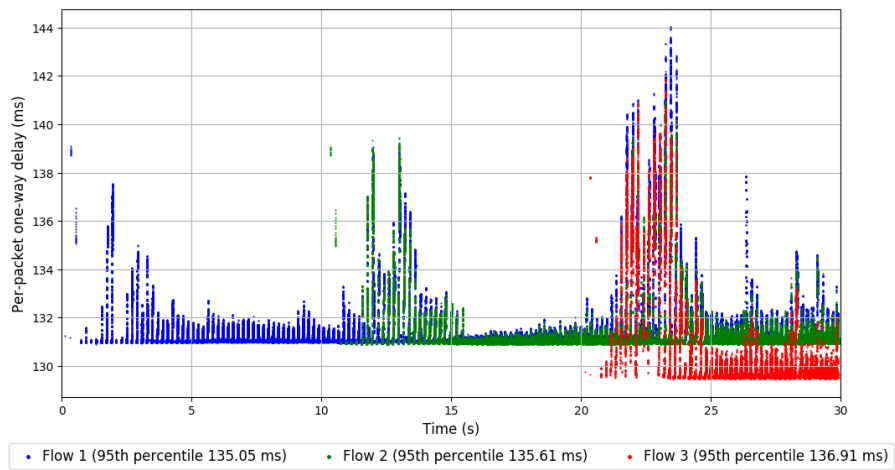
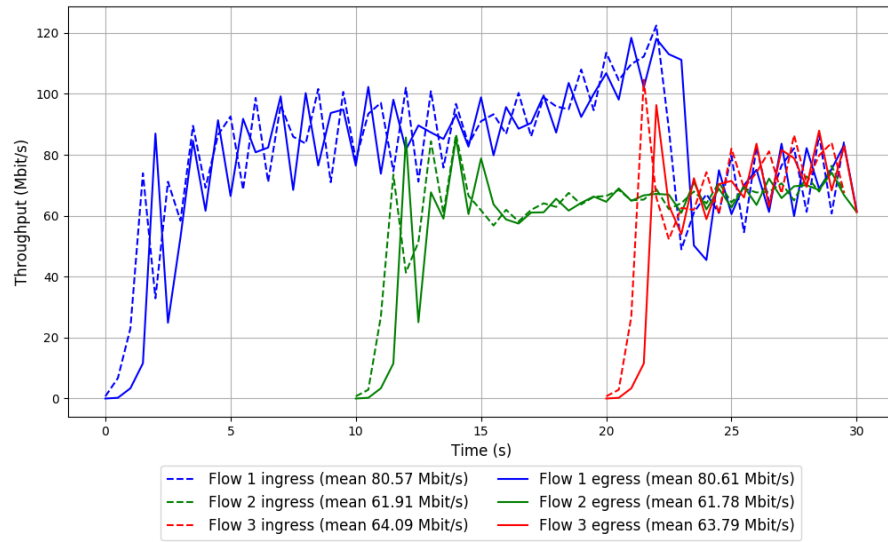
Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 23:44:19  
End at: 2018-08-22 23:44:49  
Local clock offset: 3.667 ms  
Remote clock offset: -34.858 ms

# Below is generated by plot.py at 2018-08-23 00:44:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 142.47 Mbit/s  
95th percentile per-packet one-way delay: 135.675 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 80.61 Mbit/s  
95th percentile per-packet one-way delay: 135.053 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 61.78 Mbit/s  
95th percentile per-packet one-way delay: 135.608 ms  
Loss rate: 1.18%  
-- Flow 3:  
Average throughput: 63.79 Mbit/s  
95th percentile per-packet one-way delay: 136.910 ms  
Loss rate: 2.37%



# Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-23 00:19:55

End at: 2018-08-23 00:20:25

Local clock offset: 1.004 ms

Remote clock offset: -33.791 ms

Run 10: Report of TCP Cubic — Data Link

Figure is missing

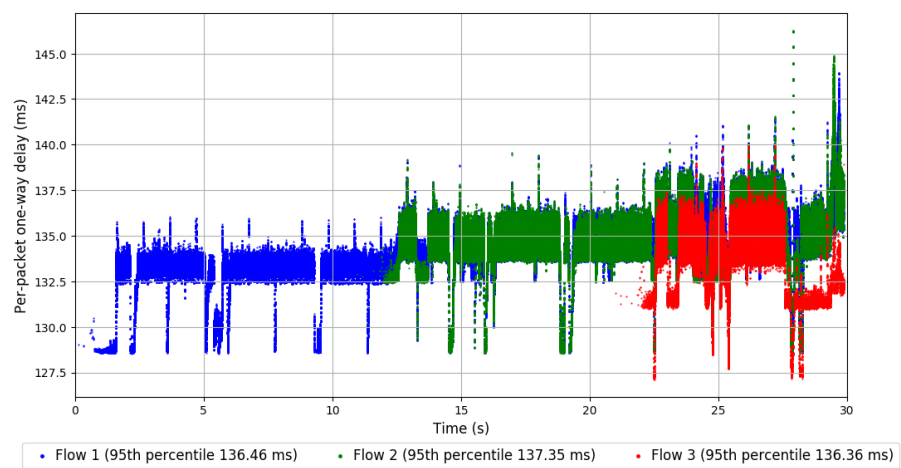
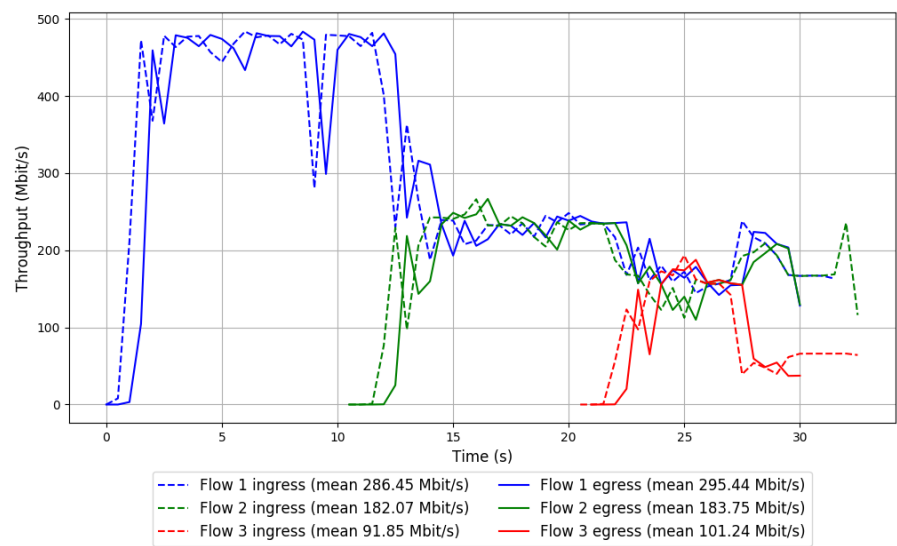
Figure is missing

Run 1: Statistics of FillP

Start at: 2018-08-22 19:00:31  
End at: 2018-08-22 19:01:01  
Local clock offset: -0.38 ms  
Remote clock offset: -34.121 ms

# Below is generated by plot.py at 2018-08-23 00:49:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 442.24 Mbit/s  
95th percentile per-packet one-way delay: 136.752 ms  
Loss rate: 8.00%  
-- Flow 1:  
Average throughput: 295.44 Mbit/s  
95th percentile per-packet one-way delay: 136.461 ms  
Loss rate: 4.10%  
-- Flow 2:  
Average throughput: 183.75 Mbit/s  
95th percentile per-packet one-way delay: 137.349 ms  
Loss rate: 13.77%  
-- Flow 3:  
Average throughput: 101.24 Mbit/s  
95th percentile per-packet one-way delay: 136.364 ms  
Loss rate: 19.26%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-22 19:30:55

End at: 2018-08-22 19:31:25

Local clock offset: 2.984 ms

Remote clock offset: -35.979 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

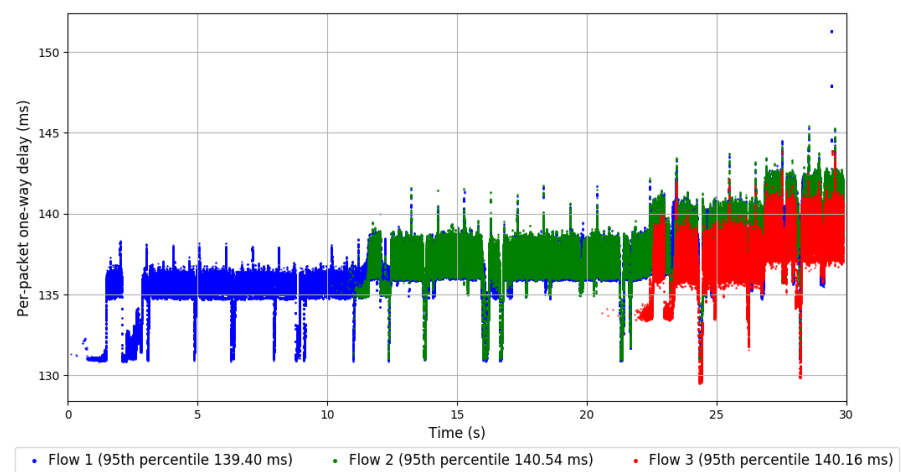
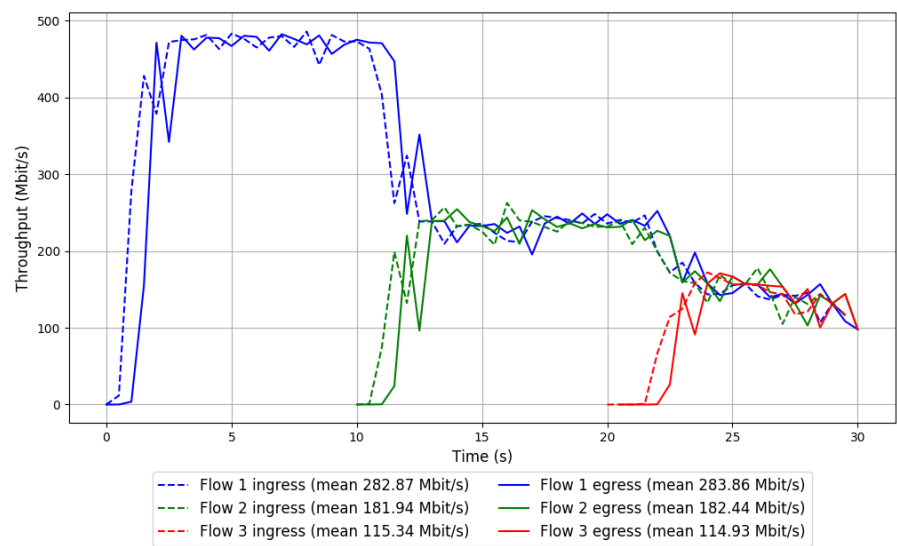
Run 3: Statistics of FillP

Start at: 2018-08-22 20:12:47  
End at: 2018-08-22 20:13:17  
Local clock offset: -0.87 ms  
Remote clock offset: -34.33 ms

# Below is generated by plot.py at 2018-08-23 00:49:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 440.70 Mbit/s  
95th percentile per-packet one-way delay: 139.940 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 283.86 Mbit/s  
95th percentile per-packet one-way delay: 139.403 ms  
Loss rate: 0.32%  
-- Flow 2:  
Average throughput: 182.44 Mbit/s  
95th percentile per-packet one-way delay: 140.536 ms  
Loss rate: 0.75%  
-- Flow 3:  
Average throughput: 114.93 Mbit/s  
95th percentile per-packet one-way delay: 140.158 ms  
Loss rate: 2.49%



Run 3: Report of FillP — Data Link

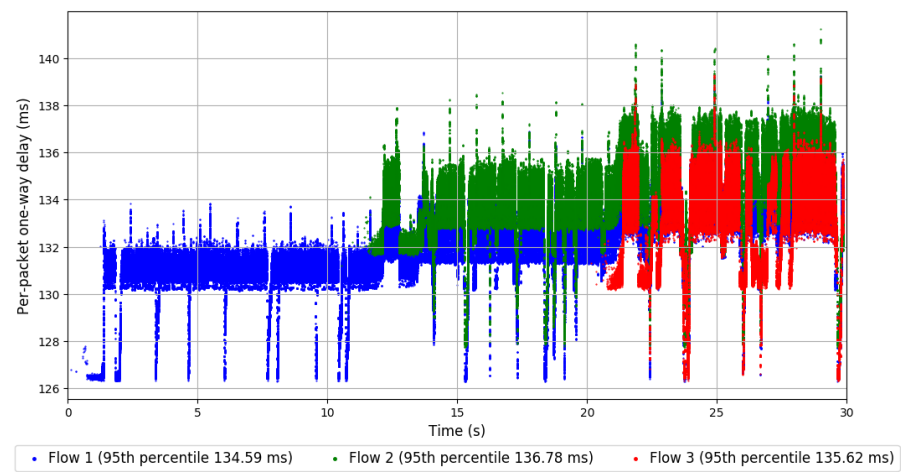
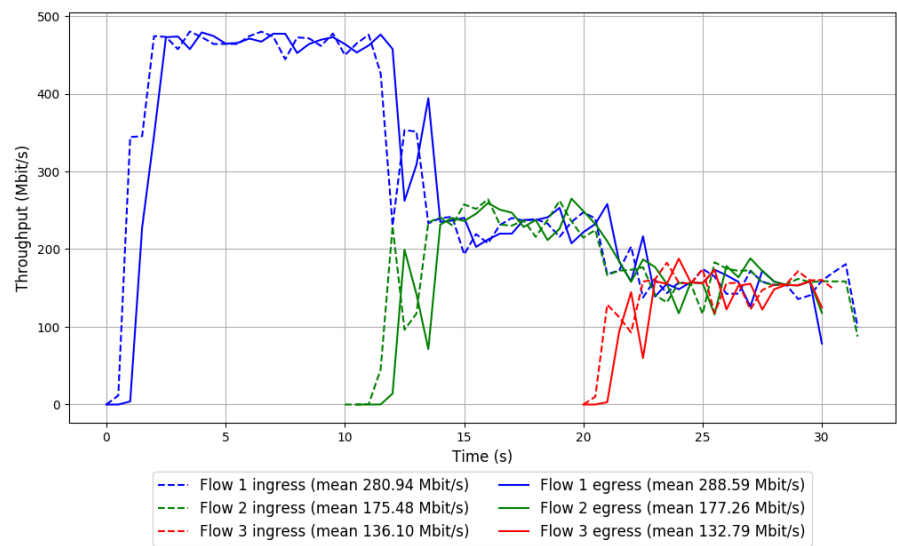


Run 4: Statistics of FillP

Start at: 2018-08-22 20:42:46  
End at: 2018-08-22 20:43:16  
Local clock offset: -1.321 ms  
Remote clock offset: -31.988 ms

# Below is generated by plot.py at 2018-08-23 00:49:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 447.19 Mbit/s  
95th percentile per-packet one-way delay: 135.734 ms  
Loss rate: 6.14%  
-- Flow 1:  
Average throughput: 288.59 Mbit/s  
95th percentile per-packet one-way delay: 134.592 ms  
Loss rate: 3.87%  
-- Flow 2:  
Average throughput: 177.26 Mbit/s  
95th percentile per-packet one-way delay: 136.777 ms  
Loss rate: 8.66%  
-- Flow 3:  
Average throughput: 132.79 Mbit/s  
95th percentile per-packet one-way delay: 135.617 ms  
Loss rate: 13.40%

Run 4: Report of FillP — Data Link

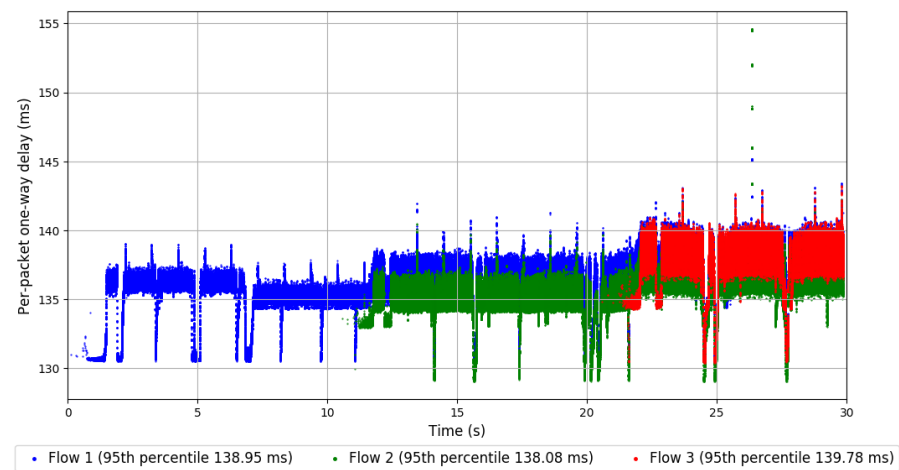
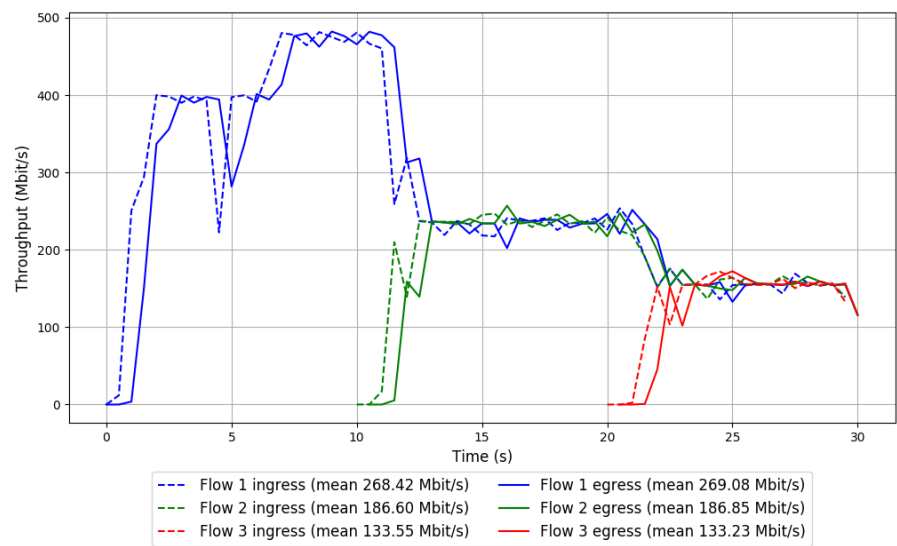


Run 5: Statistics of FillP

Start at: 2018-08-22 21:13:02  
End at: 2018-08-22 21:13:32  
Local clock offset: 0.226 ms  
Remote clock offset: -34.859 ms

# Below is generated by plot.py at 2018-08-23 00:49:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 431.98 Mbit/s  
95th percentile per-packet one-way delay: 139.068 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 269.08 Mbit/s  
95th percentile per-packet one-way delay: 138.950 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 186.85 Mbit/s  
95th percentile per-packet one-way delay: 138.082 ms  
Loss rate: 0.91%  
-- Flow 3:  
Average throughput: 133.23 Mbit/s  
95th percentile per-packet one-way delay: 139.784 ms  
Loss rate: 2.37%

Run 5: Report of FillP — Data Link

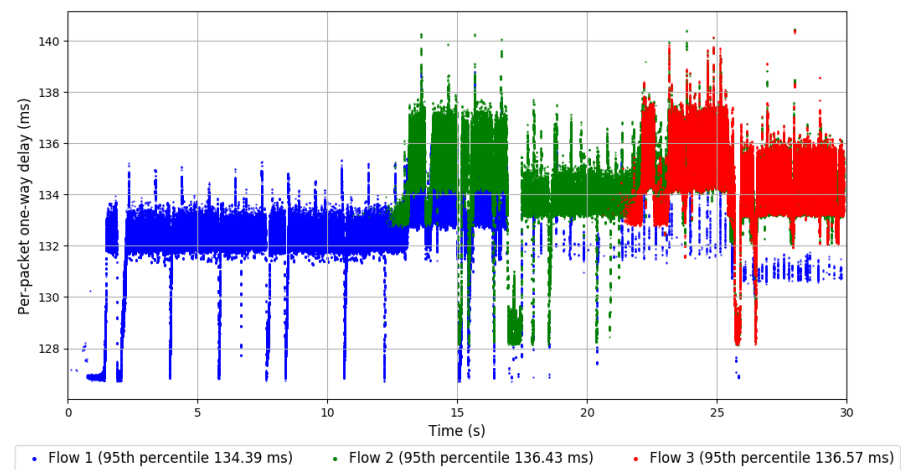
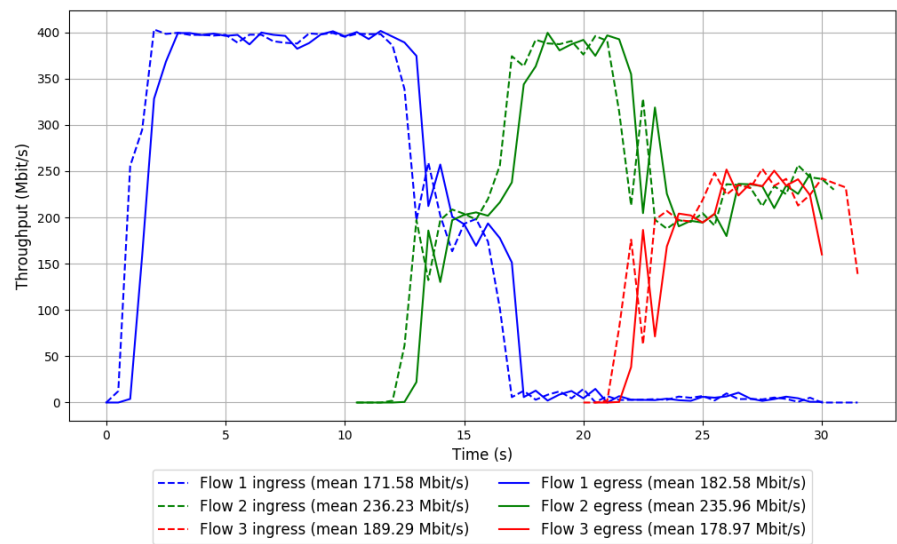


Run 6: Statistics of FillP

Start at: 2018-08-22 21:42:53  
End at: 2018-08-22 21:43:23  
Local clock offset: -0.887 ms  
Remote clock offset: -35.306 ms

# Below is generated by plot.py at 2018-08-23 00:49:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 387.83 Mbit/s  
95th percentile per-packet one-way delay: 136.128 ms  
Loss rate: 6.33%  
-- Flow 1:  
Average throughput: 182.58 Mbit/s  
95th percentile per-packet one-way delay: 134.388 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 235.96 Mbit/s  
95th percentile per-packet one-way delay: 136.426 ms  
Loss rate: 6.19%  
-- Flow 3:  
Average throughput: 178.97 Mbit/s  
95th percentile per-packet one-way delay: 136.570 ms  
Loss rate: 22.53%

Run 6: Report of FillP — Data Link



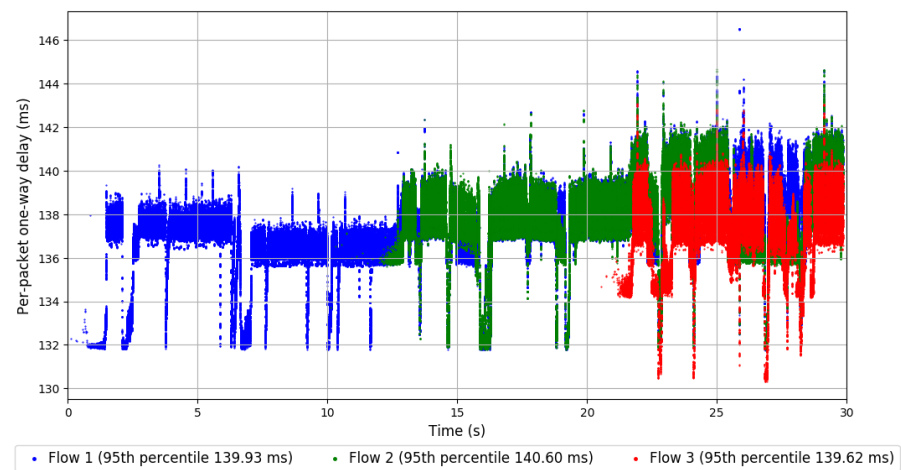
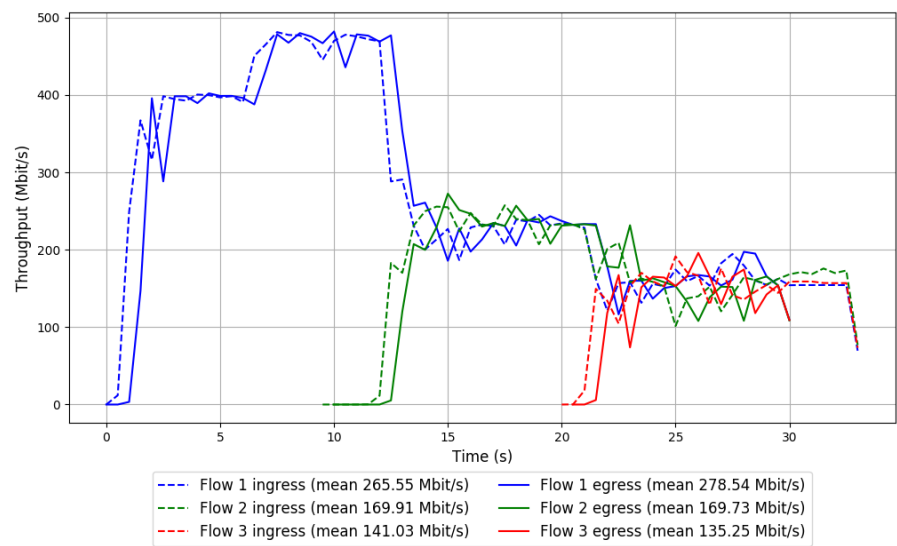
Run 7: Statistics of FillP

Start at: 2018-08-22 22:07:00  
End at: 2018-08-22 22:07:30  
Local clock offset: 1.739 ms  
Remote clock offset: -36.978 ms

# Below is generated by plot.py at 2018-08-23 00:50:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 433.62 Mbit/s  
95th percentile per-packet one-way delay: 140.141 ms  
Loss rate: 11.62%  
-- Flow 1:  
Average throughput: 278.54 Mbit/s  
95th percentile per-packet one-way delay: 139.929 ms  
Loss rate: 6.18%  
-- Flow 2:  
Average throughput: 169.73 Mbit/s  
95th percentile per-packet one-way delay: 140.605 ms  
Loss rate: 15.20%  
-- Flow 3:  
Average throughput: 135.25 Mbit/s  
95th percentile per-packet one-way delay: 139.623 ms  
Loss rate: 30.36%



Run 7: Report of FillP — Data Link

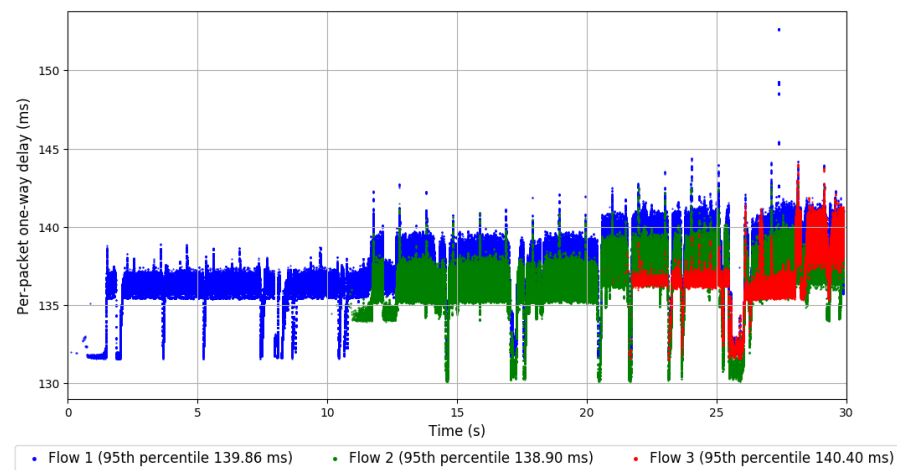
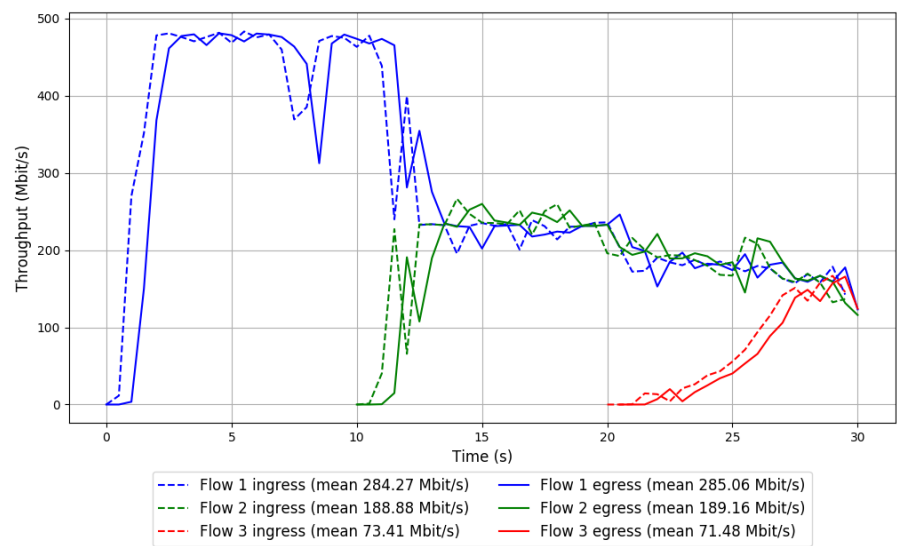


Run 8: Statistics of FillP

Start at: 2018-08-22 22:37:08  
End at: 2018-08-22 22:37:38  
Local clock offset: 1.507 ms  
Remote clock offset: -38.094 ms

# Below is generated by plot.py at 2018-08-23 00:50:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 432.77 Mbit/s  
95th percentile per-packet one-way delay: 139.652 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 285.06 Mbit/s  
95th percentile per-packet one-way delay: 139.857 ms  
Loss rate: 0.38%  
-- Flow 2:  
Average throughput: 189.16 Mbit/s  
95th percentile per-packet one-way delay: 138.902 ms  
Loss rate: 0.86%  
-- Flow 3:  
Average throughput: 71.48 Mbit/s  
95th percentile per-packet one-way delay: 140.395 ms  
Loss rate: 4.75%

Run 8: Report of FillP — Data Link

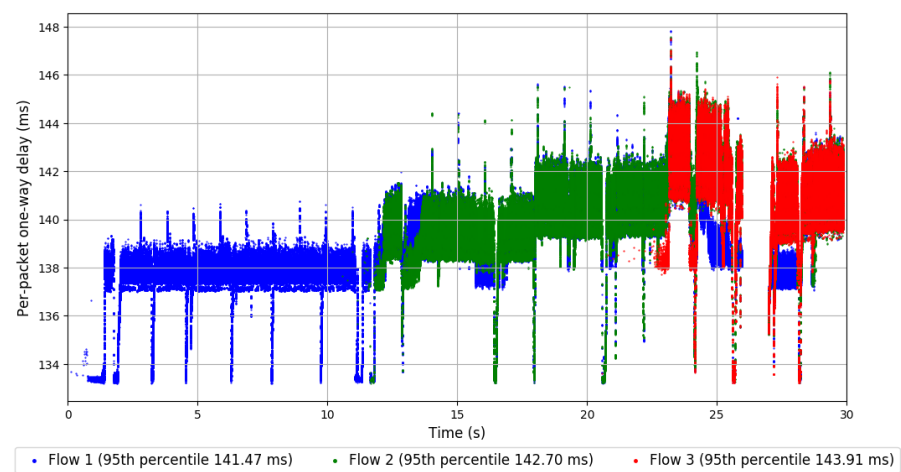
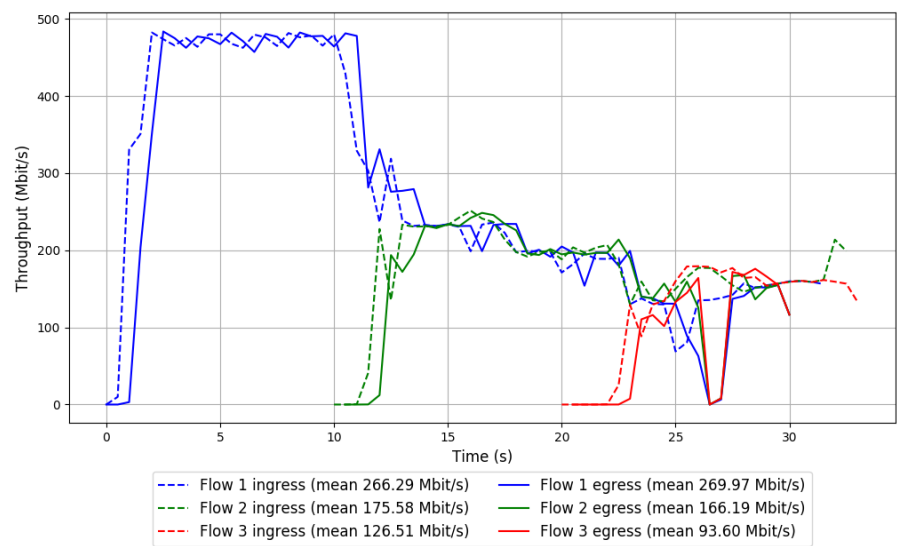


Run 9: Statistics of FillP

Start at: 2018-08-22 23:18:40  
End at: 2018-08-22 23:19:10  
Local clock offset: 1.74 ms  
Remote clock offset: -39.365 ms

# Below is generated by plot.py at 2018-08-23 00:50:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 407.13 Mbit/s  
95th percentile per-packet one-way delay: 142.250 ms  
Loss rate: 14.25%  
-- Flow 1:  
Average throughput: 269.97 Mbit/s  
95th percentile per-packet one-way delay: 141.471 ms  
Loss rate: 5.74%  
-- Flow 2:  
Average throughput: 166.19 Mbit/s  
95th percentile per-packet one-way delay: 142.703 ms  
Loss rate: 18.97%  
-- Flow 3:  
Average throughput: 93.60 Mbit/s  
95th percentile per-packet one-way delay: 143.906 ms  
Loss rate: 47.00%

Run 9: Report of FillP — Data Link

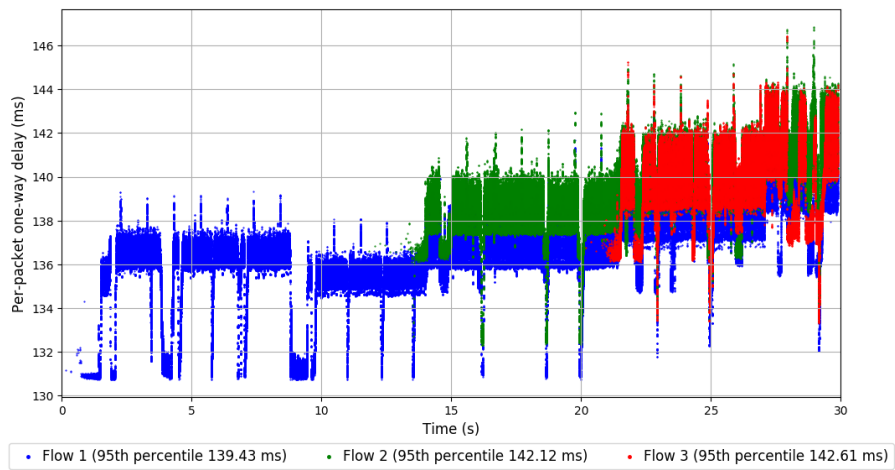
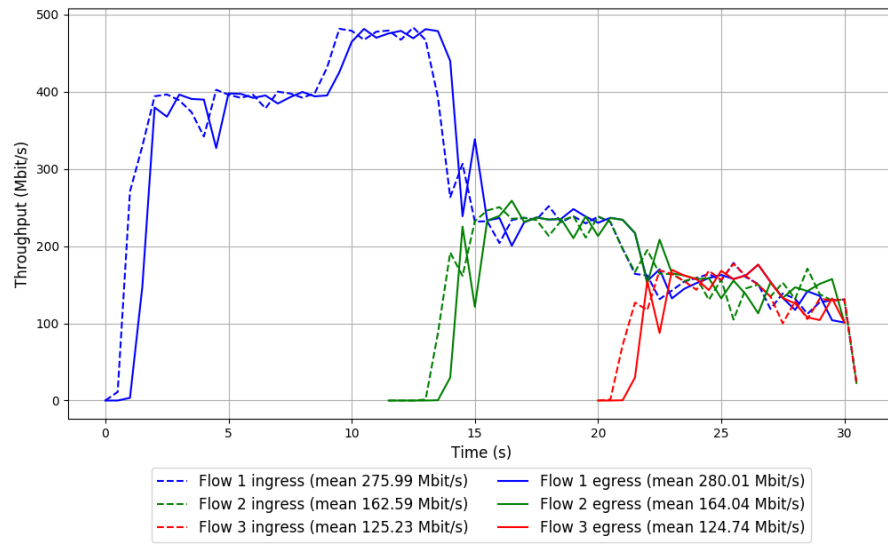


Run 10: Statistics of FillP

Start at: 2018-08-22 23:48:52  
End at: 2018-08-22 23:49:22  
Local clock offset: 4.224 ms  
Remote clock offset: -35.577 ms

# Below is generated by plot.py at 2018-08-23 00:54:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 420.27 Mbit/s  
95th percentile per-packet one-way delay: 141.342 ms  
Loss rate: 2.55%  
-- Flow 1:  
Average throughput: 280.01 Mbit/s  
95th percentile per-packet one-way delay: 139.434 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 164.04 Mbit/s  
95th percentile per-packet one-way delay: 142.119 ms  
Loss rate: 3.55%  
-- Flow 3:  
Average throughput: 124.74 Mbit/s  
95th percentile per-packet one-way delay: 142.609 ms  
Loss rate: 8.26%

## Run 10: Report of FillP — Data Link



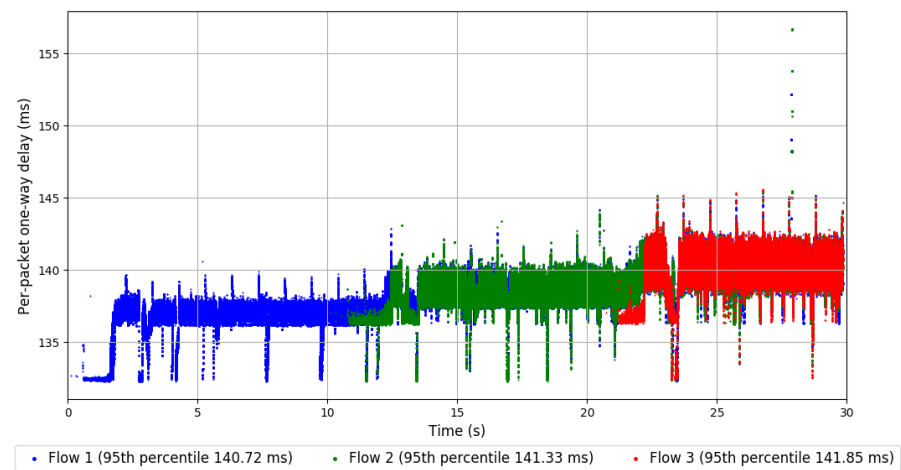
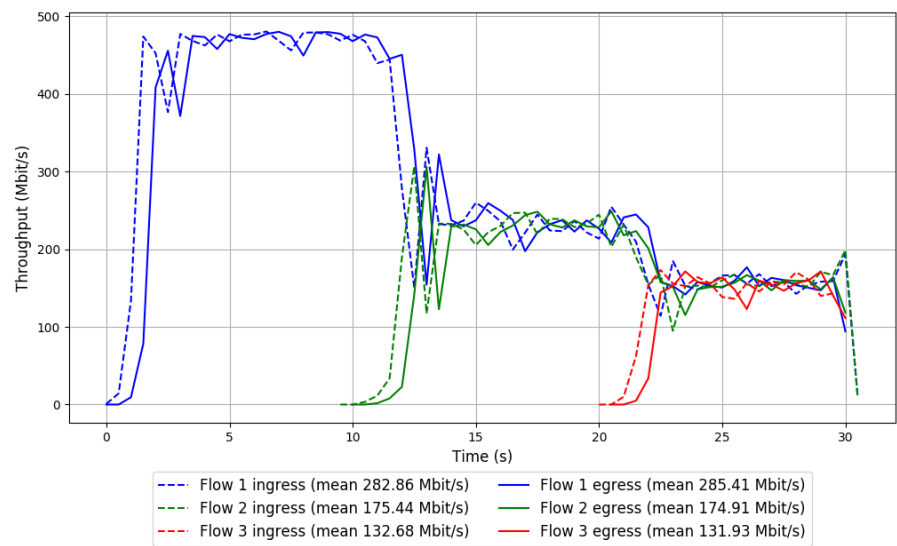
Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 19:02:19  
End at: 2018-08-22 19:02:49  
Local clock offset: 0.38 ms  
Remote clock offset: -38.509 ms

# Below is generated by plot.py at 2018-08-23 00:55:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 442.82 Mbit/s  
95th percentile per-packet one-way delay: 141.237 ms  
Loss rate: 2.55%  
-- Flow 1:  
Average throughput: 285.41 Mbit/s  
95th percentile per-packet one-way delay: 140.719 ms  
Loss rate: 1.77%  
-- Flow 2:  
Average throughput: 174.91 Mbit/s  
95th percentile per-packet one-way delay: 141.333 ms  
Loss rate: 4.26%  
-- Flow 3:  
Average throughput: 131.93 Mbit/s  
95th percentile per-packet one-way delay: 141.849 ms  
Loss rate: 2.96%



Run 1: Report of FillP-Sheep — Data Link

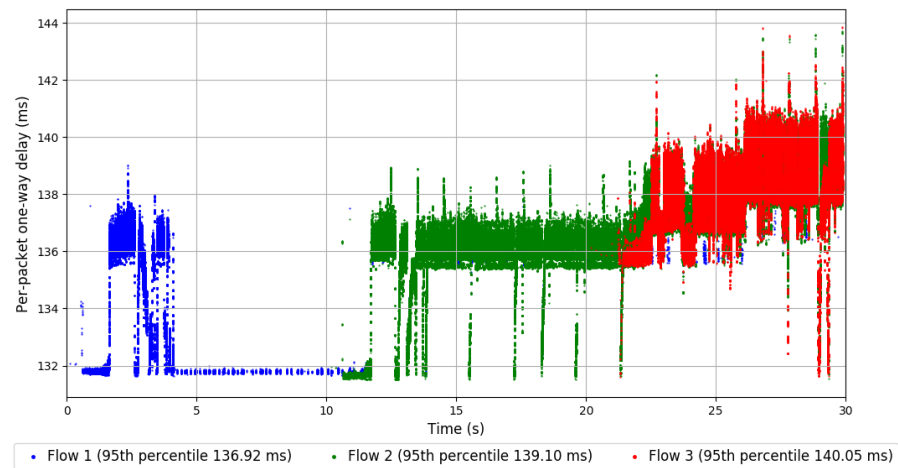
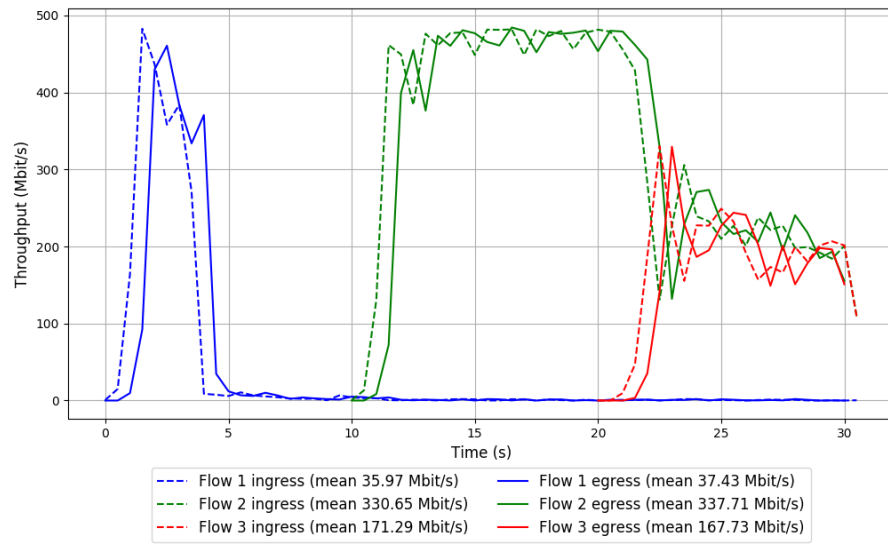


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 19:33:06  
End at: 2018-08-22 19:33:36  
Local clock offset: 0.476 ms  
Remote clock offset: -37.573 ms

# Below is generated by plot.py at 2018-08-23 00:55:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 315.72 Mbit/s  
95th percentile per-packet one-way delay: 139.394 ms  
Loss rate: 4.17%  
-- Flow 1:  
Average throughput: 37.43 Mbit/s  
95th percentile per-packet one-way delay: 136.922 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 337.71 Mbit/s  
95th percentile per-packet one-way delay: 139.098 ms  
Loss rate: 2.89%  
-- Flow 3:  
Average throughput: 167.73 Mbit/s  
95th percentile per-packet one-way delay: 140.048 ms  
Loss rate: 11.41%

## Run 2: Report of FillP-Sheep — Data Link

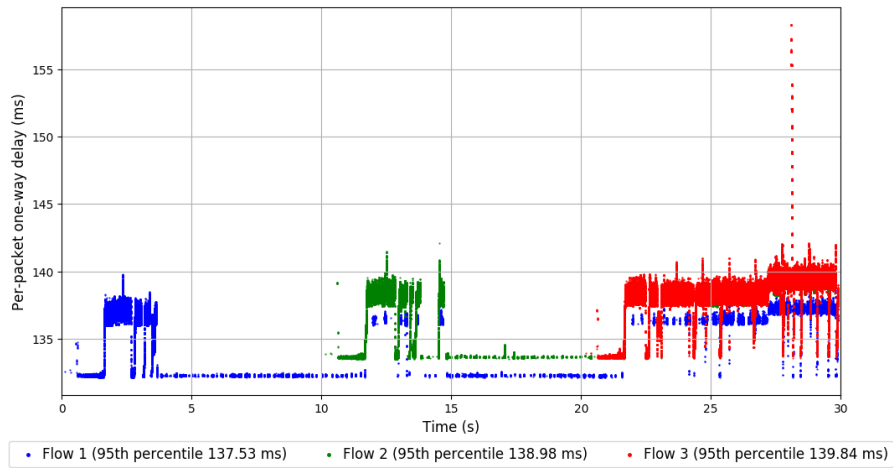
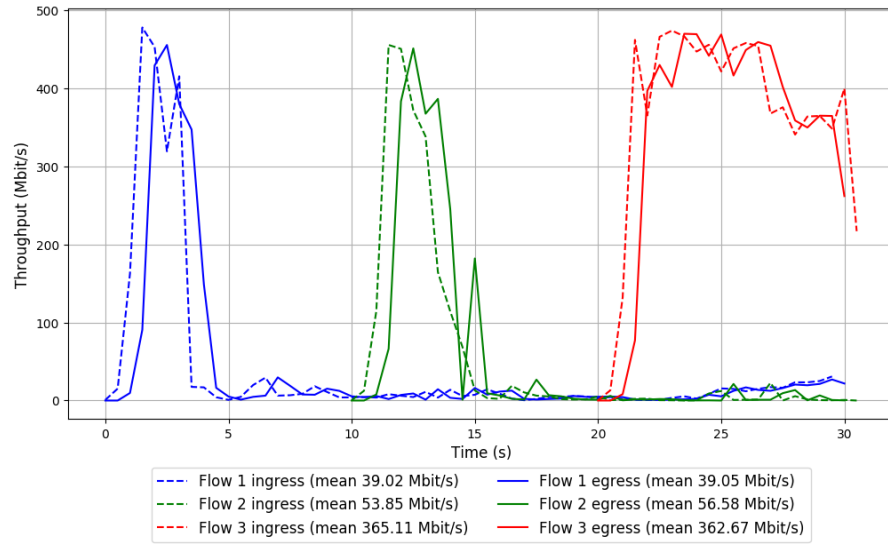


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 20:14:31  
End at: 2018-08-22 20:15:01  
Local clock offset: -0.818 ms  
Remote clock offset: -36.868 ms

# Below is generated by plot.py at 2018-08-23 00:55:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 194.76 Mbit/s  
95th percentile per-packet one-way delay: 139.616 ms  
Loss rate: 6.58%  
-- Flow 1:  
Average throughput: 39.05 Mbit/s  
95th percentile per-packet one-way delay: 137.525 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 56.58 Mbit/s  
95th percentile per-packet one-way delay: 138.984 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 362.67 Mbit/s  
95th percentile per-packet one-way delay: 139.844 ms  
Loss rate: 10.21%

### Run 3: Report of FillP-Sheep — Data Link

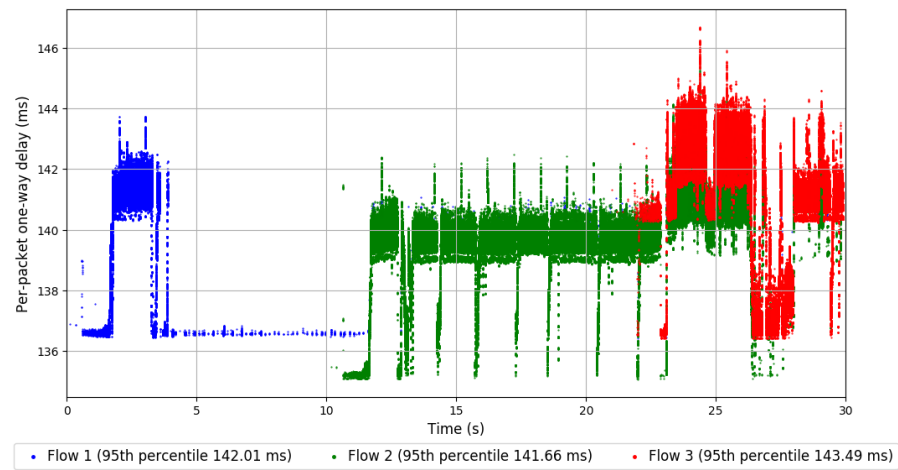
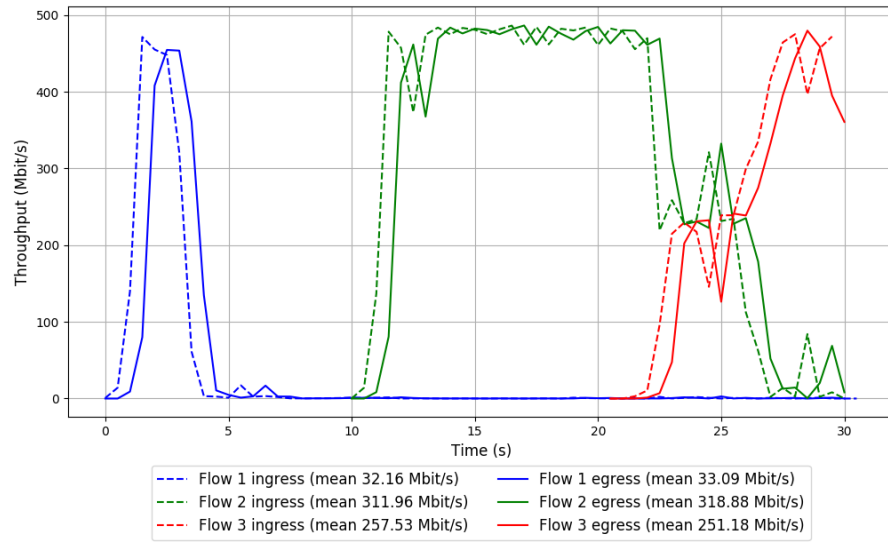


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 20:44:26  
End at: 2018-08-22 20:44:56  
Local clock offset: 0.962 ms  
Remote clock offset: -38.504 ms

# Below is generated by plot.py at 2018-08-23 00:55:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 318.46 Mbit/s  
95th percentile per-packet one-way delay: 142.534 ms  
Loss rate: 1.26%  
-- Flow 1:  
Average throughput: 33.09 Mbit/s  
95th percentile per-packet one-way delay: 142.012 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 318.88 Mbit/s  
95th percentile per-packet one-way delay: 141.661 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 251.18 Mbit/s  
95th percentile per-packet one-way delay: 143.487 ms  
Loss rate: 5.14%

# Run 4: Report of FillP-Sheep — Data Link



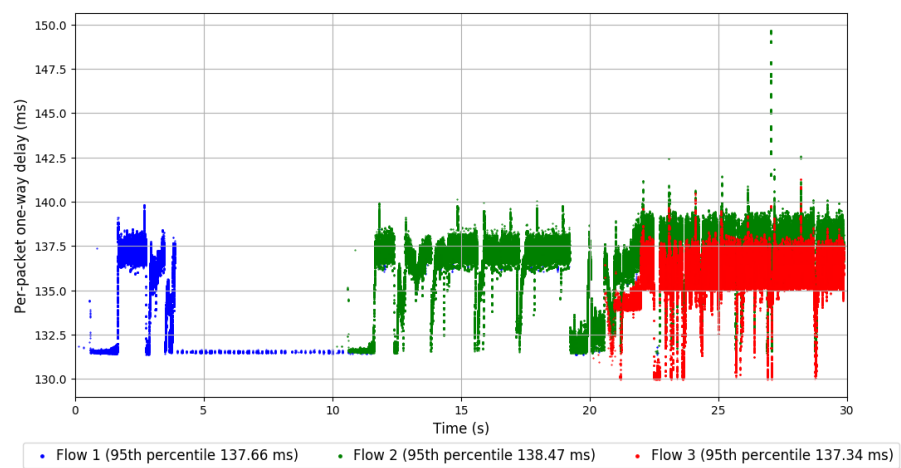
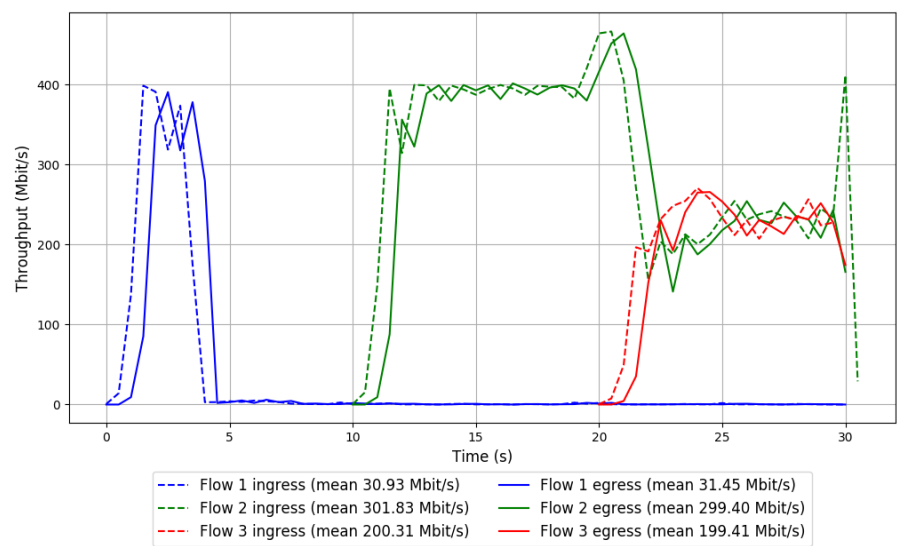
Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 21:14:38  
End at: 2018-08-22 21:15:08  
Local clock offset: 0.699 ms  
Remote clock offset: -35.471 ms

# Below is generated by plot.py at 2018-08-23 00:55:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 294.93 Mbit/s  
95th percentile per-packet one-way delay: 138.298 ms  
Loss rate: 3.83%  
-- Flow 1:  
Average throughput: 31.45 Mbit/s  
95th percentile per-packet one-way delay: 137.665 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 299.40 Mbit/s  
95th percentile per-packet one-way delay: 138.469 ms  
Loss rate: 4.69%  
-- Flow 3:  
Average throughput: 199.41 Mbit/s  
95th percentile per-packet one-way delay: 137.342 ms  
Loss rate: 2.94%



Run 5: Report of FillP-Sheep — Data Link

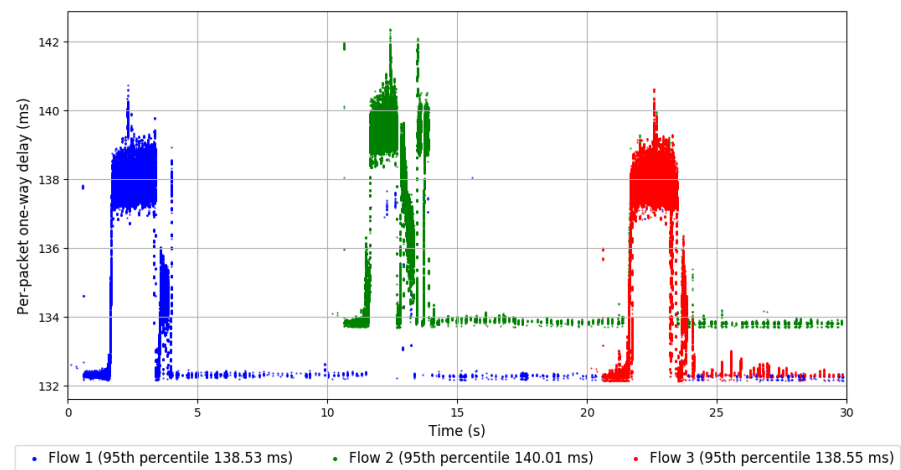
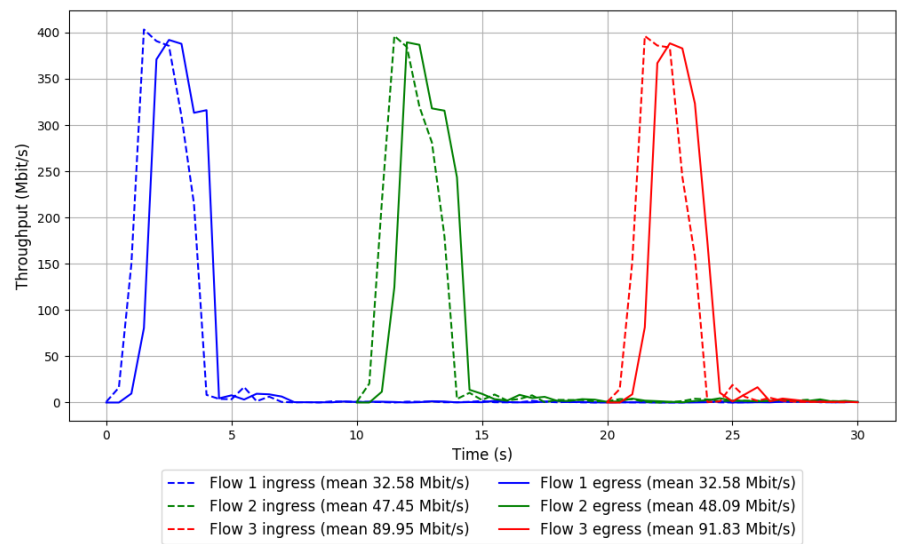


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 21:44:30  
End at: 2018-08-22 21:45:00  
Local clock offset: 0.066 ms  
Remote clock offset: -39.86 ms

# Below is generated by plot.py at 2018-08-23 00:55:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.21 Mbit/s  
95th percentile per-packet one-way delay: 139.686 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 32.58 Mbit/s  
95th percentile per-packet one-way delay: 138.534 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 48.09 Mbit/s  
95th percentile per-packet one-way delay: 140.009 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 91.83 Mbit/s  
95th percentile per-packet one-way delay: 138.552 ms  
Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link

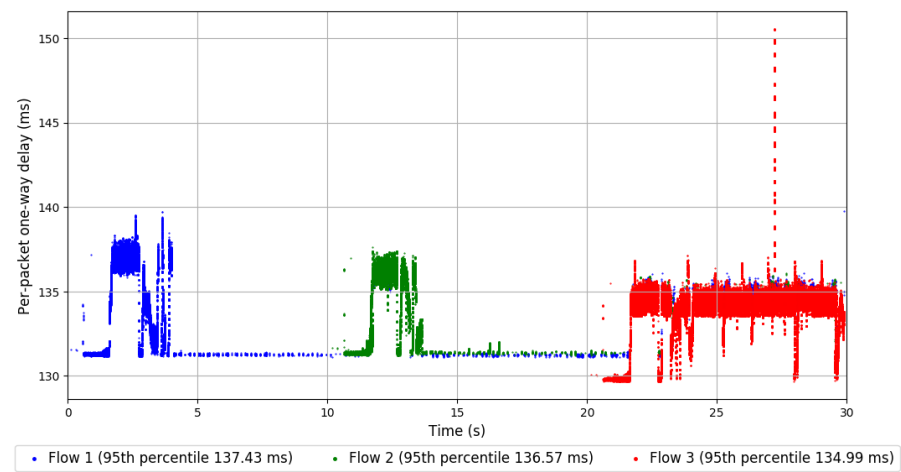
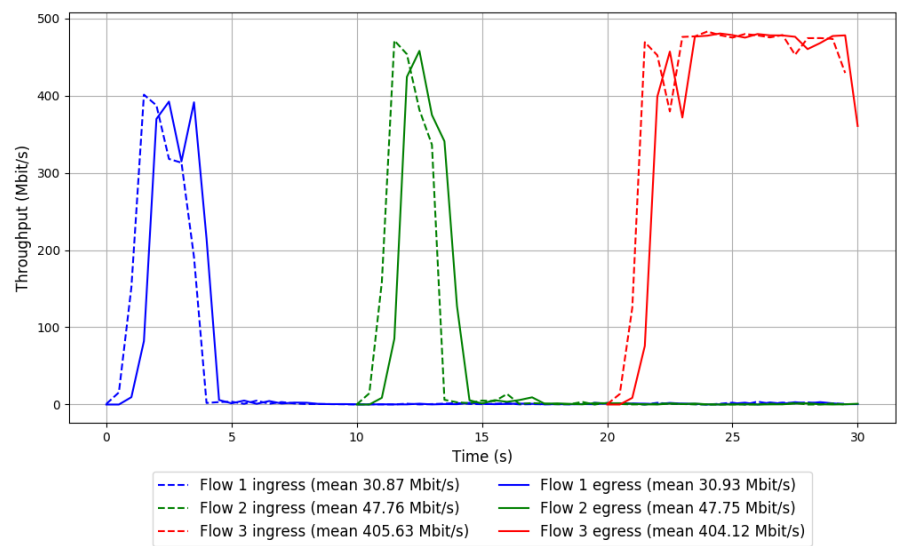


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 22:08:42  
End at: 2018-08-22 22:09:12  
Local clock offset: 3.764 ms  
Remote clock offset: -34.479 ms

# Below is generated by plot.py at 2018-08-23 00:55:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 194.28 Mbit/s  
95th percentile per-packet one-way delay: 136.820 ms  
Loss rate: 1.62%  
-- Flow 1:  
Average throughput: 30.93 Mbit/s  
95th percentile per-packet one-way delay: 137.432 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 47.75 Mbit/s  
95th percentile per-packet one-way delay: 136.574 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 404.12 Mbit/s  
95th percentile per-packet one-way delay: 134.987 ms  
Loss rate: 2.36%

Run 7: Report of FillP-Sheep — Data Link

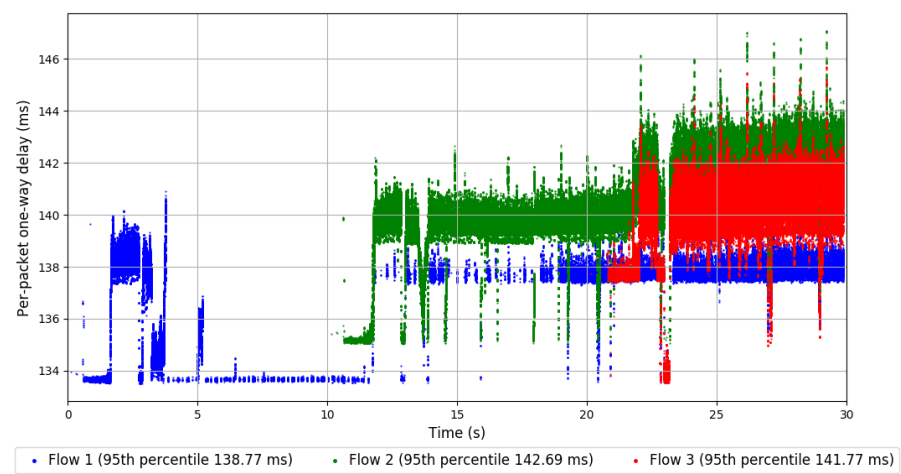
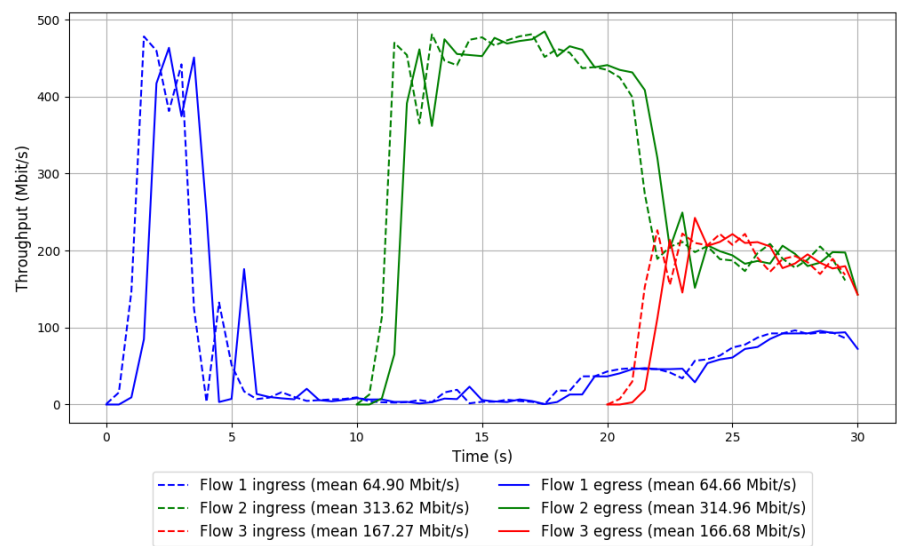


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 22:38:53  
End at: 2018-08-22 22:39:23  
Local clock offset: 3.765 ms  
Remote clock offset: -39.205 ms

# Below is generated by plot.py at 2018-08-23 00:55:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 327.82 Mbit/s  
95th percentile per-packet one-way delay: 142.401 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 64.66 Mbit/s  
95th percentile per-packet one-way delay: 138.768 ms  
Loss rate: 1.02%  
-- Flow 2:  
Average throughput: 314.96 Mbit/s  
95th percentile per-packet one-way delay: 142.692 ms  
Loss rate: 0.58%  
-- Flow 3:  
Average throughput: 166.68 Mbit/s  
95th percentile per-packet one-way delay: 141.766 ms  
Loss rate: 2.38%

Run 8: Report of FillP-Sheep — Data Link



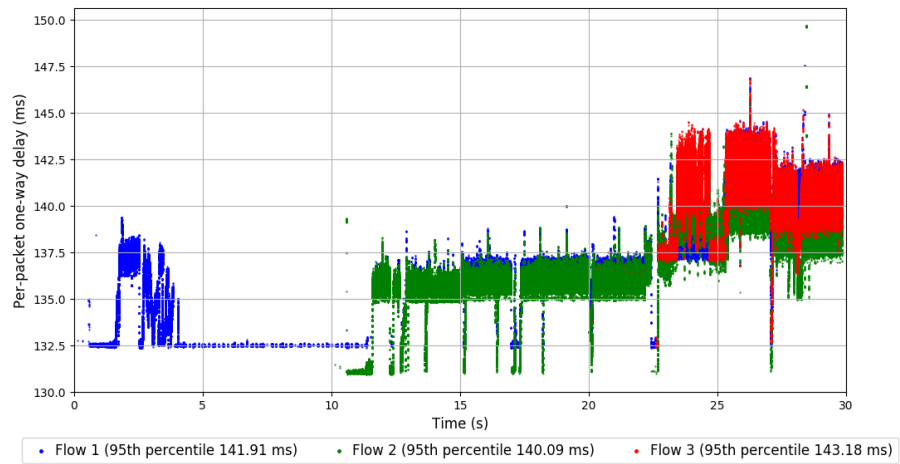
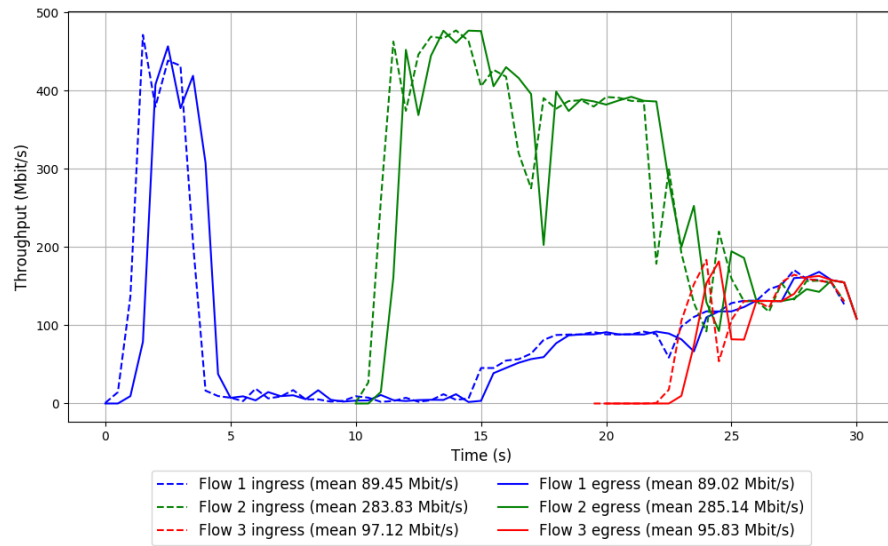
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 23:20:20  
End at: 2018-08-22 23:20:50  
Local clock offset: 1.005 ms  
Remote clock offset: -39.232 ms

# Below is generated by plot.py at 2018-08-23 00:56:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 309.52 Mbit/s  
95th percentile per-packet one-way delay: 141.653 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 89.02 Mbit/s  
95th percentile per-packet one-way delay: 141.914 ms  
Loss rate: 1.15%  
-- Flow 2:  
Average throughput: 285.14 Mbit/s  
95th percentile per-packet one-way delay: 140.090 ms  
Loss rate: 0.58%  
-- Flow 3:  
Average throughput: 95.83 Mbit/s  
95th percentile per-packet one-way delay: 143.180 ms  
Loss rate: 3.37%



# Run 9: Report of FillP-Sheep — Data Link

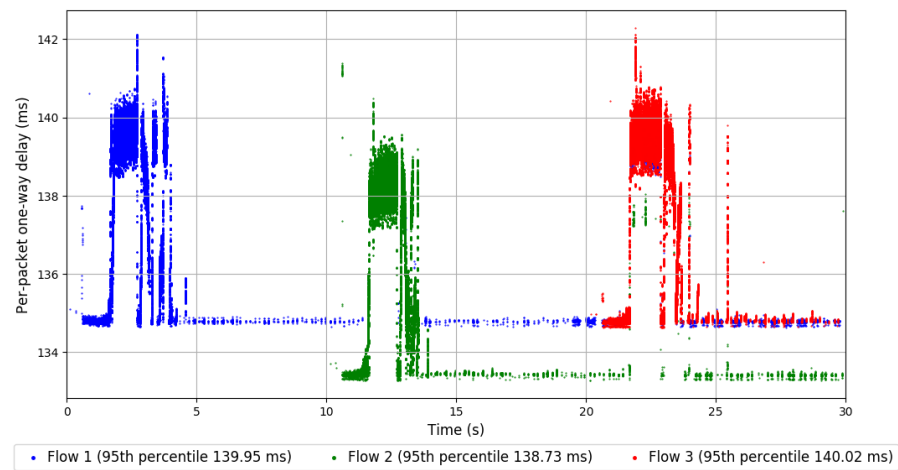
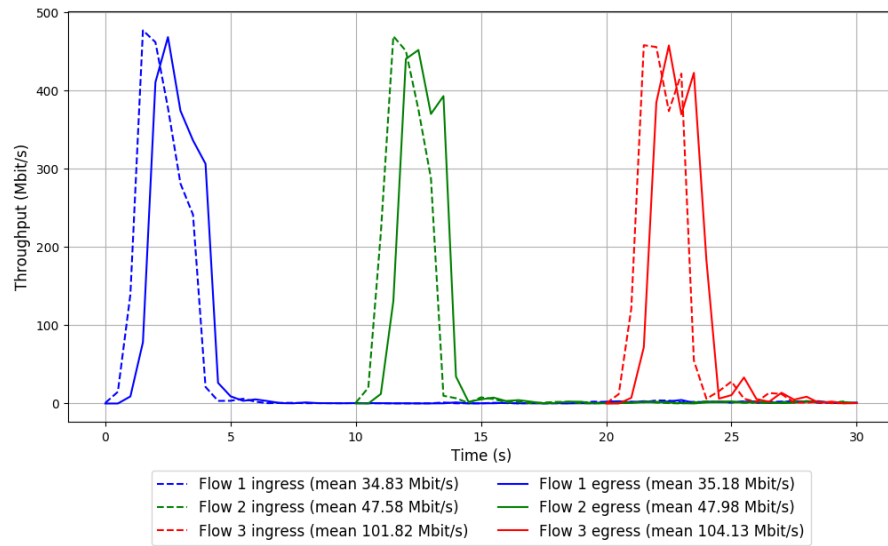


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 23:55:55  
End at: 2018-08-22 23:56:25  
Local clock offset: 2.317 ms  
Remote clock offset: -39.93 ms

# Below is generated by plot.py at 2018-08-23 00:56:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.24 Mbit/s  
95th percentile per-packet one-way delay: 139.891 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 35.18 Mbit/s  
95th percentile per-packet one-way delay: 139.953 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 47.98 Mbit/s  
95th percentile per-packet one-way delay: 138.729 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 104.13 Mbit/s  
95th percentile per-packet one-way delay: 140.017 ms  
Loss rate: 0.01%

# Run 10: Report of FillP-Sheep — Data Link

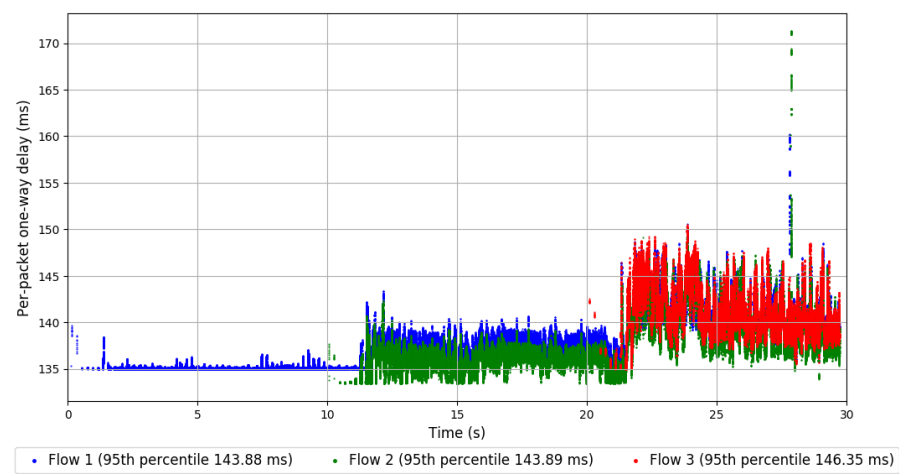
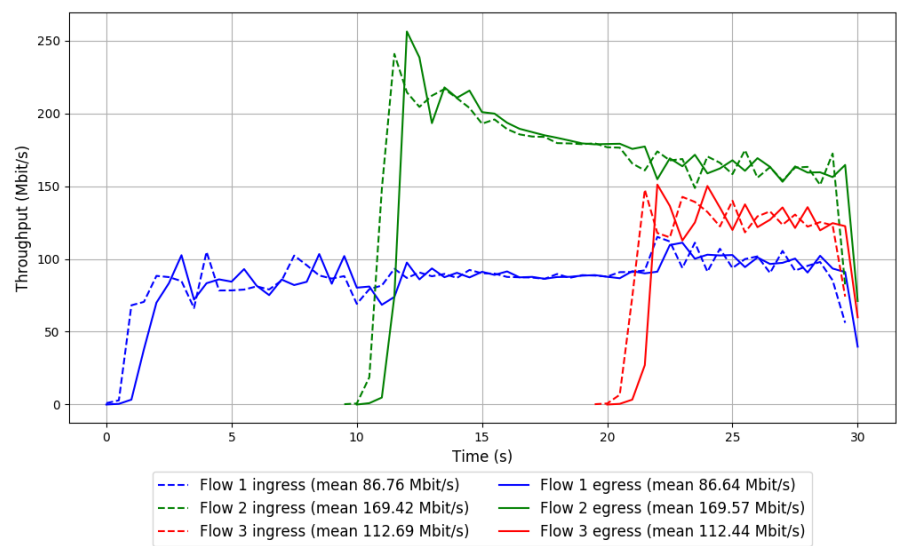


Run 1: Statistics of Indigo

Start at: 2018-08-22 19:11:17  
End at: 2018-08-22 19:11:47  
Local clock offset: 1.057 ms  
Remote clock offset: -38.918 ms

# Below is generated by plot.py at 2018-08-23 00:56:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 235.93 Mbit/s  
95th percentile per-packet one-way delay: 144.642 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 86.64 Mbit/s  
95th percentile per-packet one-way delay: 143.884 ms  
Loss rate: 0.77%  
-- Flow 2:  
Average throughput: 169.57 Mbit/s  
95th percentile per-packet one-way delay: 143.889 ms  
Loss rate: 0.90%  
-- Flow 3:  
Average throughput: 112.44 Mbit/s  
95th percentile per-packet one-way delay: 146.347 ms  
Loss rate: 2.29%

Run 1: Report of Indigo — Data Link

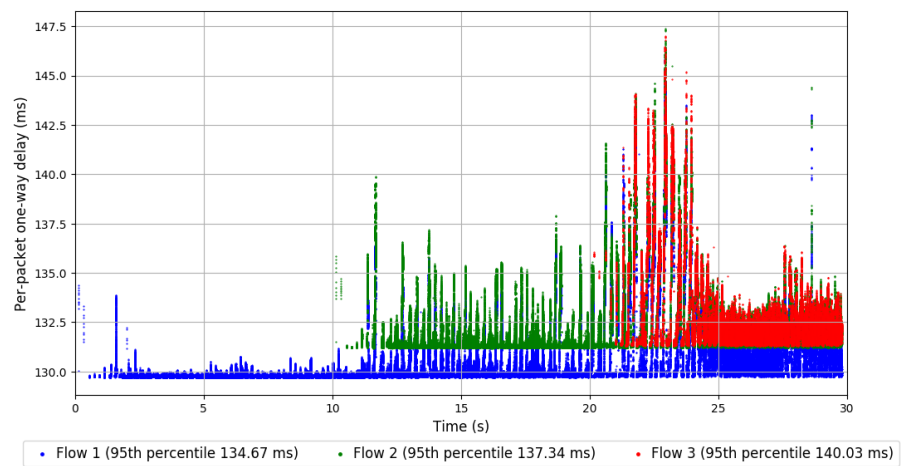
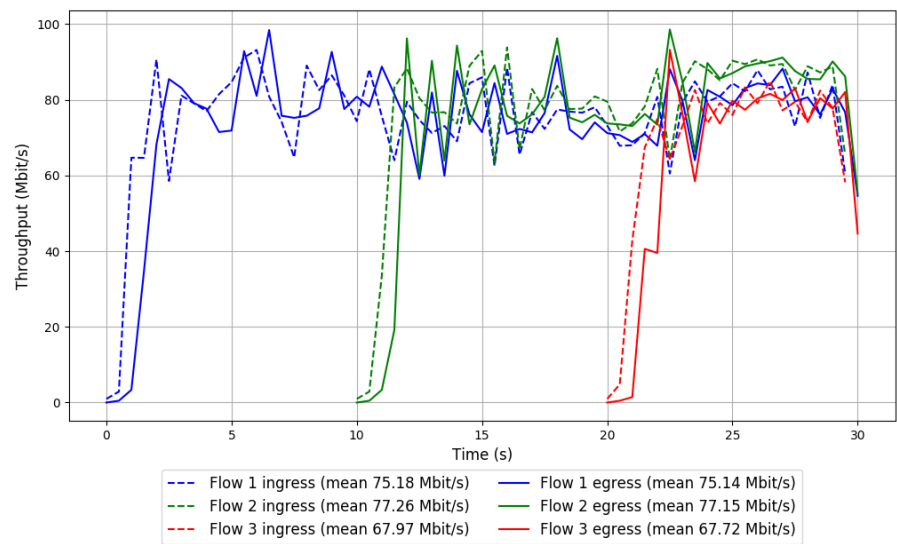


Run 2: Statistics of Indigo

Start at: 2018-08-22 19:53:08  
End at: 2018-08-22 19:53:39  
Local clock offset: 1.183 ms  
Remote clock offset: -33.199 ms

# Below is generated by plot.py at 2018-08-23 00:56:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 148.24 Mbit/s  
95th percentile per-packet one-way delay: 136.800 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 75.14 Mbit/s  
95th percentile per-packet one-way delay: 134.673 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 77.15 Mbit/s  
95th percentile per-packet one-way delay: 137.344 ms  
Loss rate: 1.13%  
-- Flow 3:  
Average throughput: 67.72 Mbit/s  
95th percentile per-packet one-way delay: 140.031 ms  
Loss rate: 2.41%

Run 2: Report of Indigo — Data Link



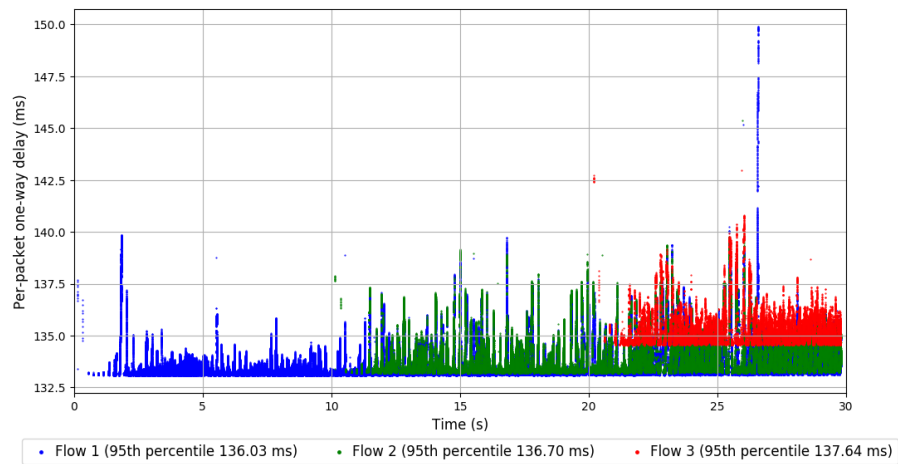
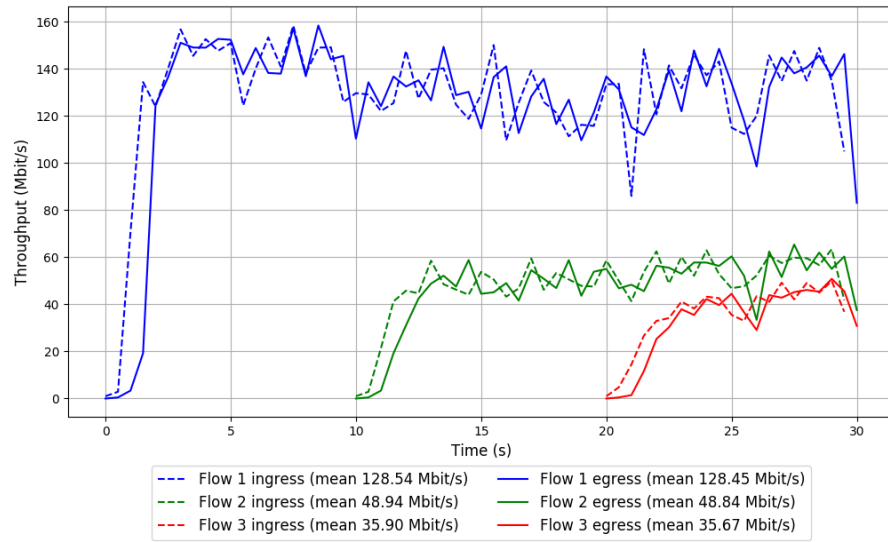
Run 3: Statistics of Indigo

Start at: 2018-08-22 20:23:10  
End at: 2018-08-22 20:23:40  
Local clock offset: -4.878 ms  
Remote clock offset: -41.558 ms

# Below is generated by plot.py at 2018-08-23 00:56:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 172.35 Mbit/s  
95th percentile per-packet one-way delay: 136.354 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 128.45 Mbit/s  
95th percentile per-packet one-way delay: 136.033 ms  
Loss rate: 0.72%  
-- Flow 2:  
Average throughput: 48.84 Mbit/s  
95th percentile per-packet one-way delay: 136.701 ms  
Loss rate: 1.20%  
-- Flow 3:  
Average throughput: 35.67 Mbit/s  
95th percentile per-packet one-way delay: 137.640 ms  
Loss rate: 2.72%



### Run 3: Report of Indigo — Data Link

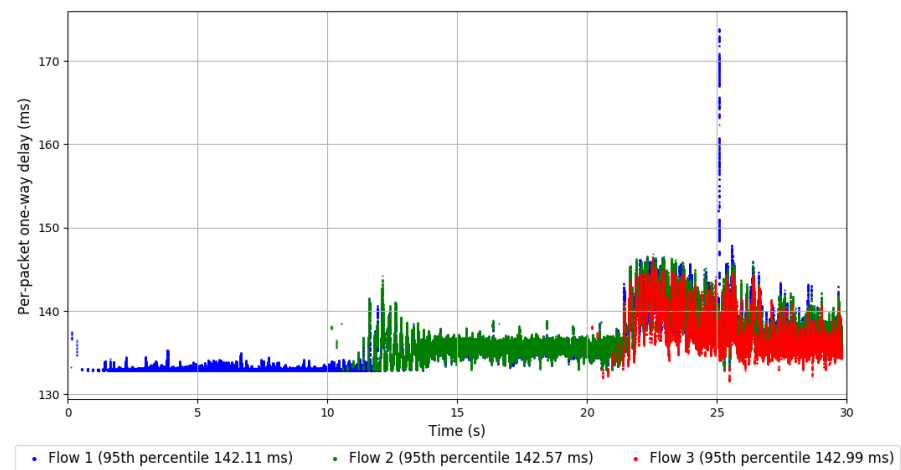
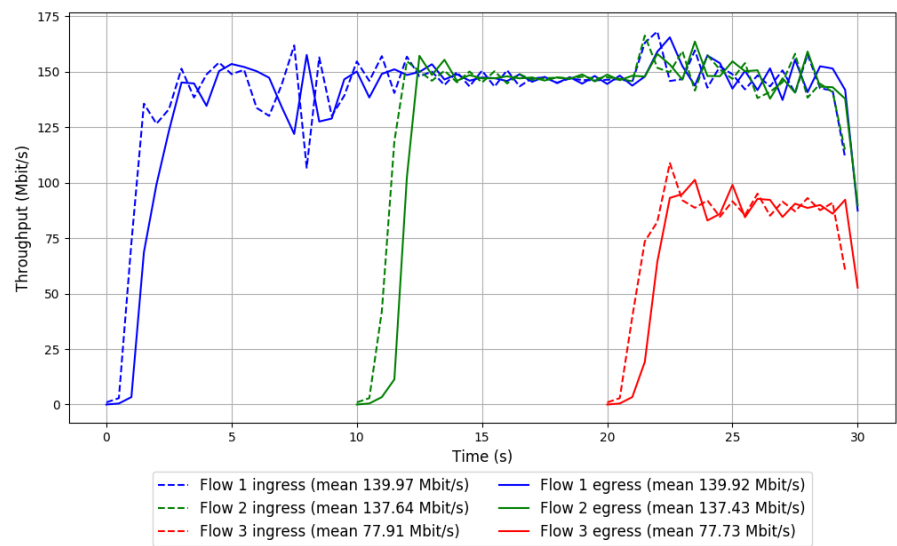


Run 4: Statistics of Indigo

Start at: 2018-08-22 20:53:18  
End at: 2018-08-22 20:53:48  
Local clock offset: 1.268 ms  
Remote clock offset: -34.94 ms

# Below is generated by plot.py at 2018-08-23 00:57:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 256.18 Mbit/s  
95th percentile per-packet one-way delay: 142.404 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 139.92 Mbit/s  
95th percentile per-packet one-way delay: 142.111 ms  
Loss rate: 0.71%  
-- Flow 2:  
Average throughput: 137.43 Mbit/s  
95th percentile per-packet one-way delay: 142.575 ms  
Loss rate: 1.18%  
-- Flow 3:  
Average throughput: 77.73 Mbit/s  
95th percentile per-packet one-way delay: 142.993 ms  
Loss rate: 2.25%

Run 4: Report of Indigo — Data Link

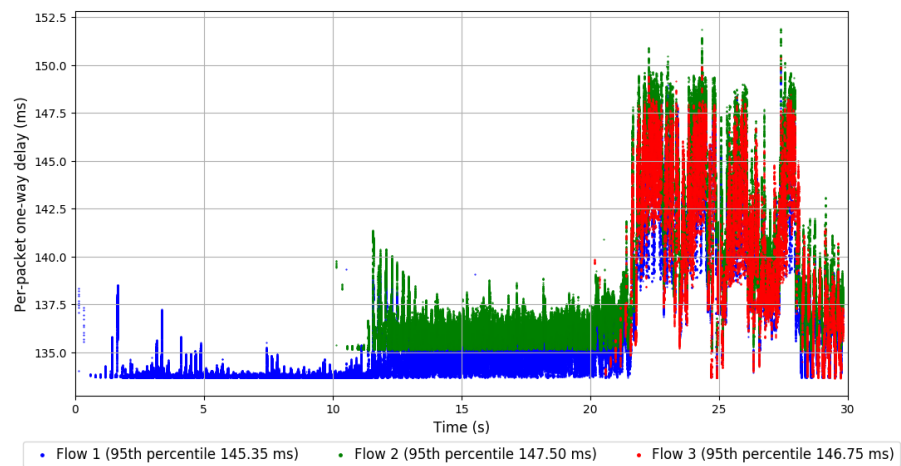
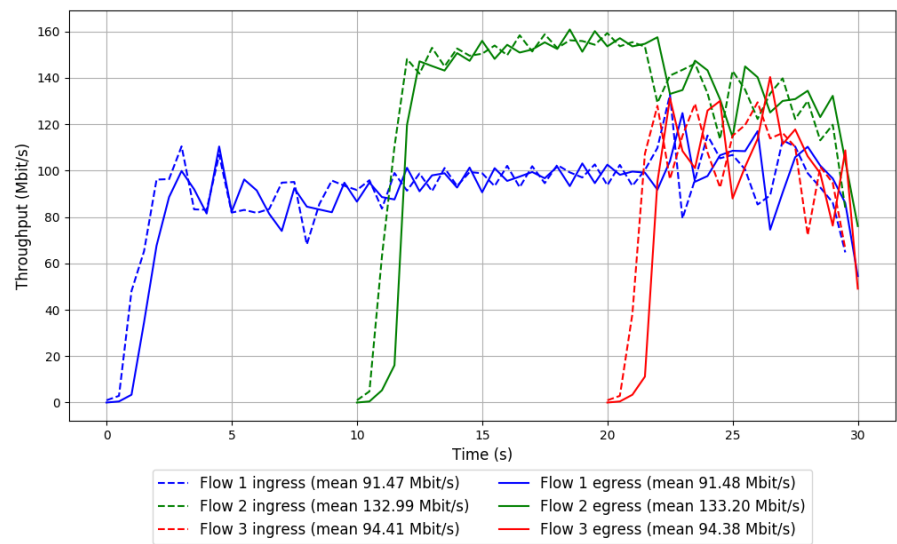


Run 5: Statistics of Indigo

Start at: 2018-08-22 21:23:20  
End at: 2018-08-22 21:23:50  
Local clock offset: 0.683 ms  
Remote clock offset: -39.612 ms

# Below is generated by plot.py at 2018-08-23 00:57:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 210.39 Mbit/s  
95th percentile per-packet one-way delay: 146.639 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 91.48 Mbit/s  
95th percentile per-packet one-way delay: 145.353 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 133.20 Mbit/s  
95th percentile per-packet one-way delay: 147.504 ms  
Loss rate: 0.83%  
-- Flow 3:  
Average throughput: 94.38 Mbit/s  
95th percentile per-packet one-way delay: 146.754 ms  
Loss rate: 2.06%

Run 5: Report of Indigo — Data Link

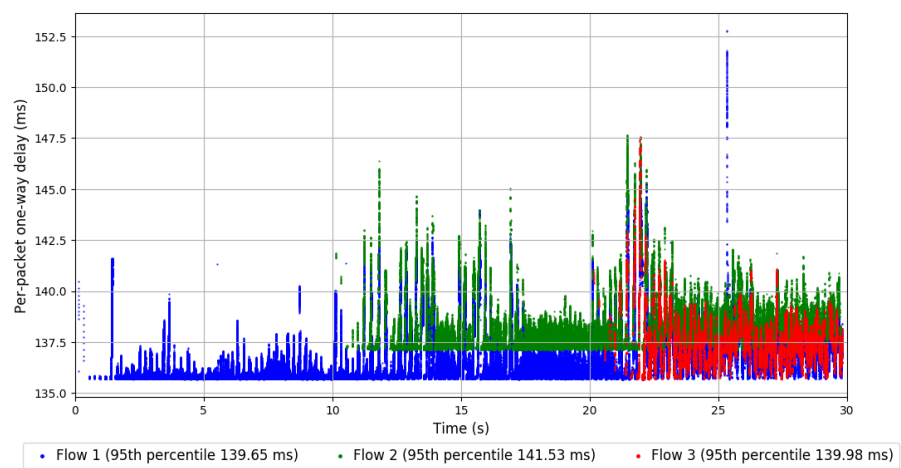
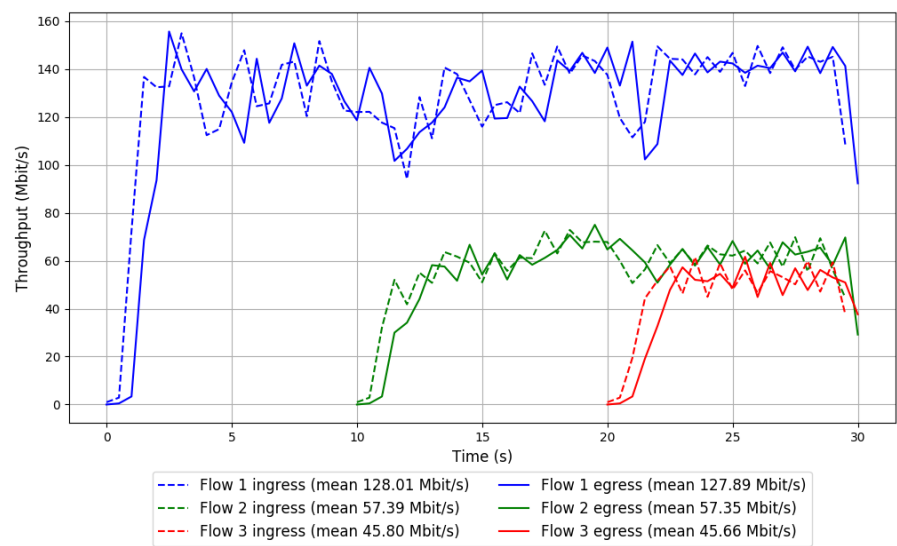


Run 6: Statistics of Indigo

Start at: 2018-08-22 21:52:57  
End at: 2018-08-22 21:53:27  
Local clock offset: 3.531 ms  
Remote clock offset: -40.147 ms

# Below is generated by plot.py at 2018-08-23 00:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 180.65 Mbit/s  
95th percentile per-packet one-way delay: 140.381 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 127.89 Mbit/s  
95th percentile per-packet one-way delay: 139.651 ms  
Loss rate: 0.75%  
-- Flow 2:  
Average throughput: 57.35 Mbit/s  
95th percentile per-packet one-way delay: 141.532 ms  
Loss rate: 1.07%  
-- Flow 3:  
Average throughput: 45.66 Mbit/s  
95th percentile per-packet one-way delay: 139.983 ms  
Loss rate: 2.32%

Run 6: Report of Indigo — Data Link



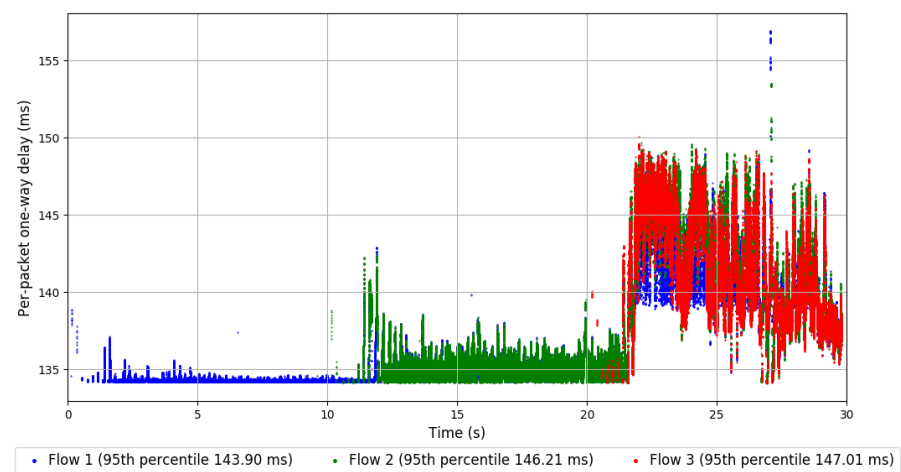
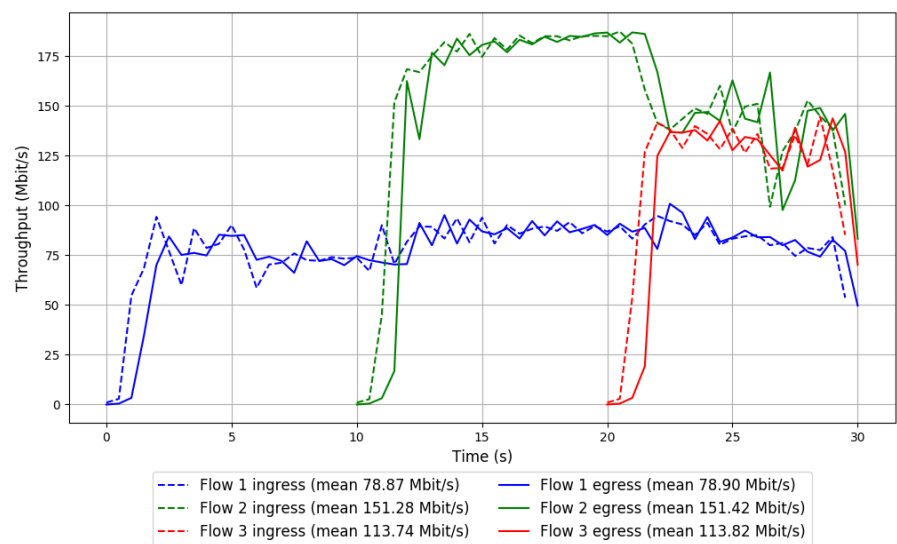
Run 7: Statistics of Indigo

Start at: 2018-08-22 22:22:56  
End at: 2018-08-22 22:23:26  
Local clock offset: 1.481 ms  
Remote clock offset: -40.409 ms

# Below is generated by plot.py at 2018-08-23 00:58:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 216.19 Mbit/s  
95th percentile per-packet one-way delay: 146.102 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 78.90 Mbit/s  
95th percentile per-packet one-way delay: 143.902 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 151.42 Mbit/s  
95th percentile per-packet one-way delay: 146.205 ms  
Loss rate: 0.91%  
-- Flow 3:  
Average throughput: 113.82 Mbit/s  
95th percentile per-packet one-way delay: 147.014 ms  
Loss rate: 1.98%



Run 7: Report of Indigo — Data Link

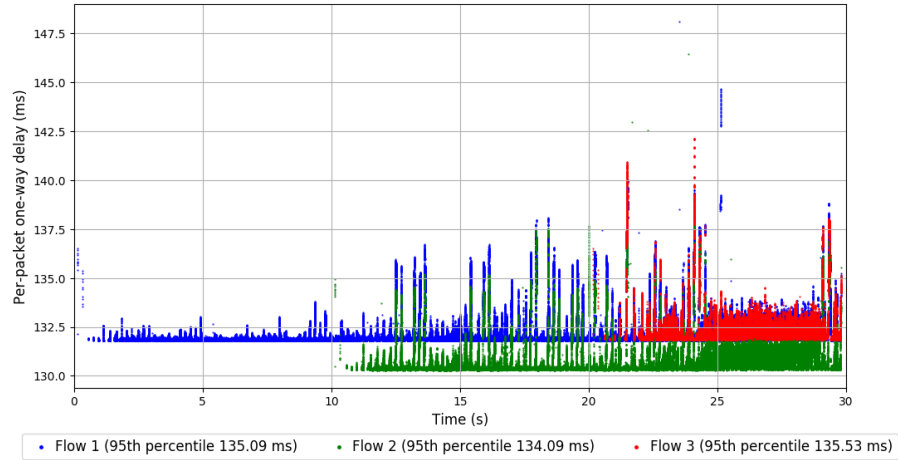
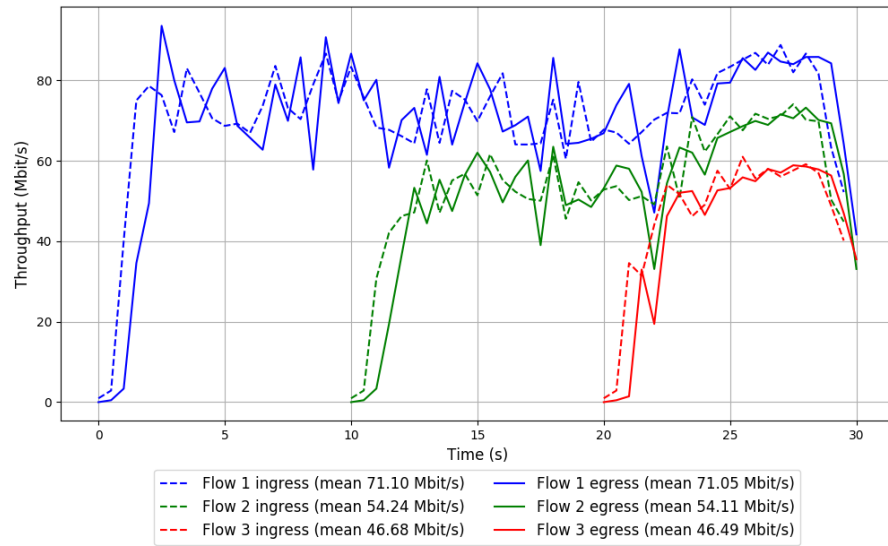


Run 8: Statistics of Indigo

Start at: 2018-08-22 22:58:53  
End at: 2018-08-22 22:59:23  
Local clock offset: 0.856 ms  
Remote clock offset: -38.64 ms

```
# Below is generated by plot.py at 2018-08-23 00:58:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.01 Mbit/s
95th percentile per-packet one-way delay: 134.838 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 135.086 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 134.088 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 135.534 ms
Loss rate: 2.35%
```

## Run 8: Report of Indigo — Data Link

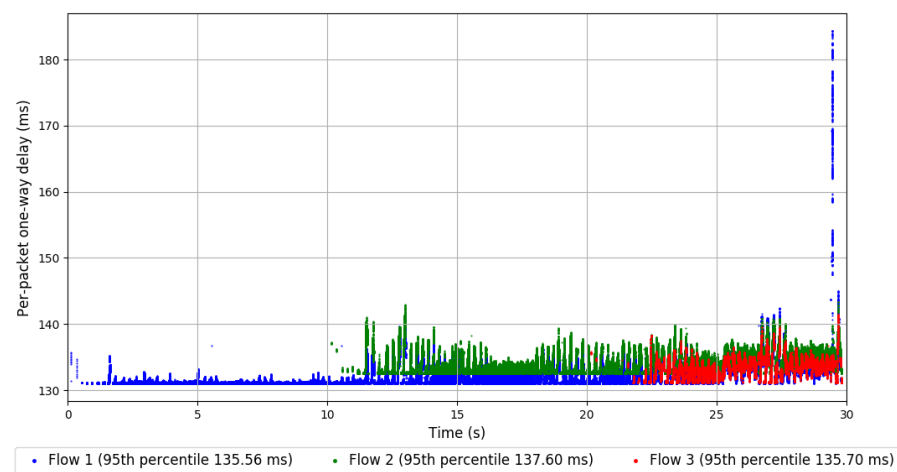
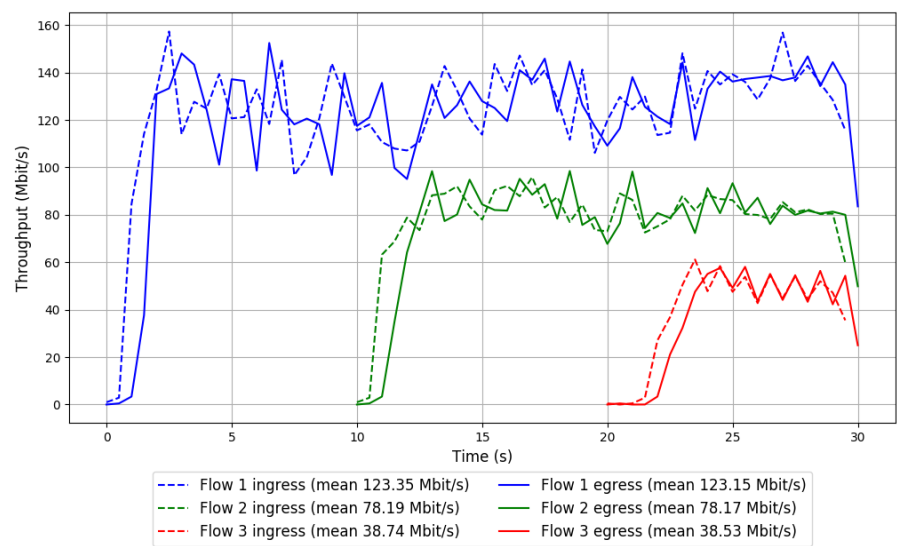


Run 9: Statistics of Indigo

Start at: 2018-08-22 23:29:06  
End at: 2018-08-22 23:29:36  
Local clock offset: 3.015 ms  
Remote clock offset: -37.21 ms

# Below is generated by plot.py at 2018-08-23 00:58:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 187.35 Mbit/s  
95th percentile per-packet one-way delay: 136.548 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 123.15 Mbit/s  
95th percentile per-packet one-way delay: 135.557 ms  
Loss rate: 0.82%  
-- Flow 2:  
Average throughput: 78.17 Mbit/s  
95th percentile per-packet one-way delay: 137.601 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 38.53 Mbit/s  
95th percentile per-packet one-way delay: 135.700 ms  
Loss rate: 2.52%

Run 9: Report of Indigo — Data Link

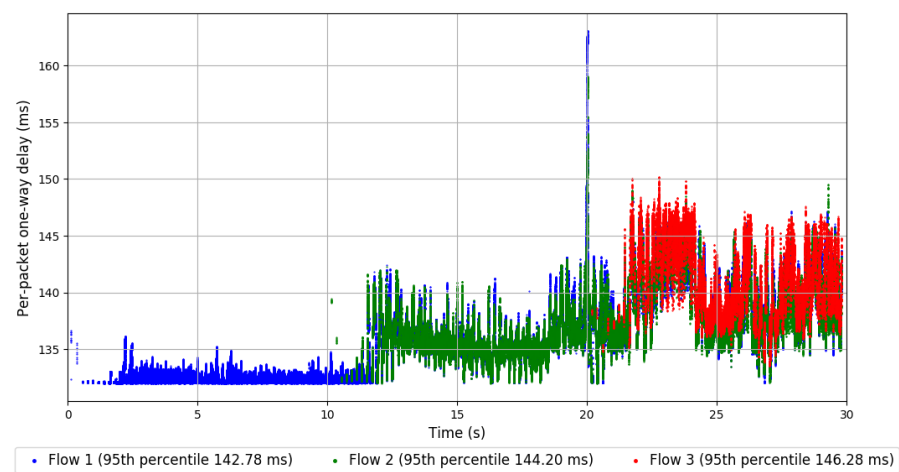
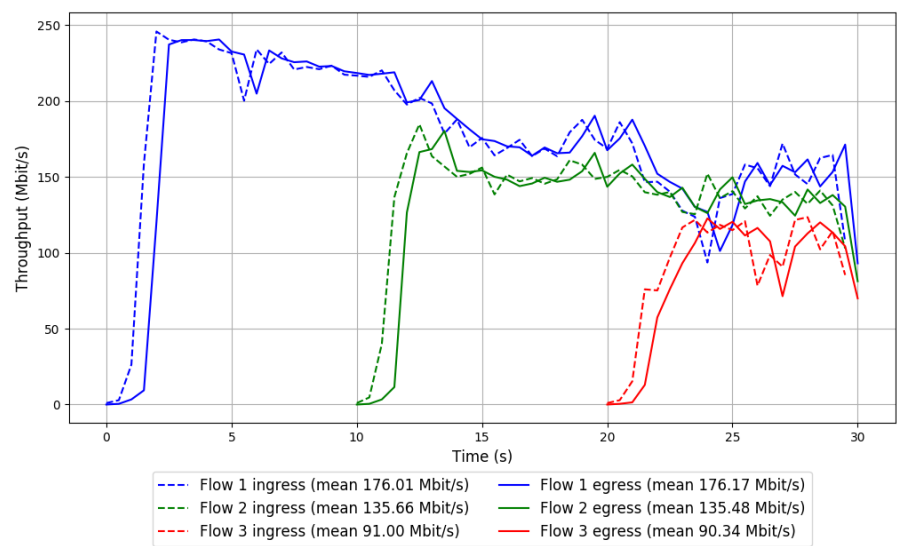


Run 10: Statistics of Indigo

Start at: 2018-08-23 00:04:39  
End at: 2018-08-23 00:05:09  
Local clock offset: 1.272 ms  
Remote clock offset: -39.577 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 295.21 Mbit/s  
95th percentile per-packet one-way delay: 144.351 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 176.17 Mbit/s  
95th percentile per-packet one-way delay: 142.778 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 135.48 Mbit/s  
95th percentile per-packet one-way delay: 144.197 ms  
Loss rate: 1.16%  
-- Flow 3:  
Average throughput: 90.34 Mbit/s  
95th percentile per-packet one-way delay: 146.282 ms  
Loss rate: 2.78%

Run 10: Report of Indigo — Data Link



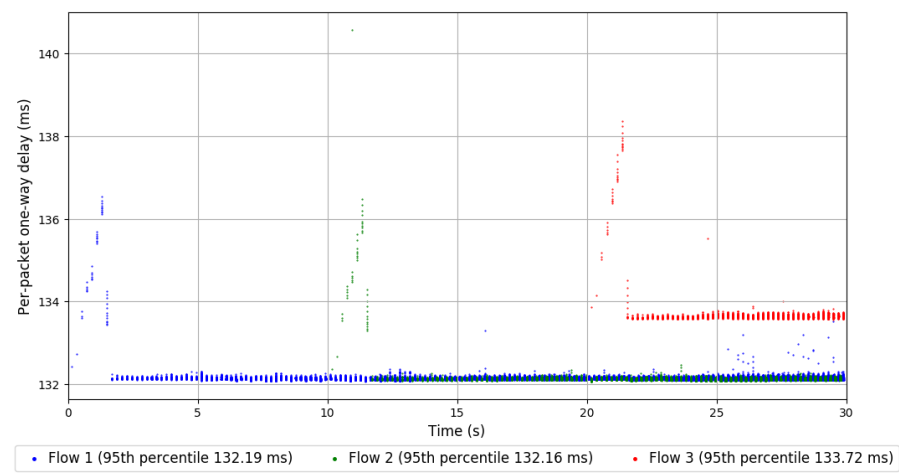
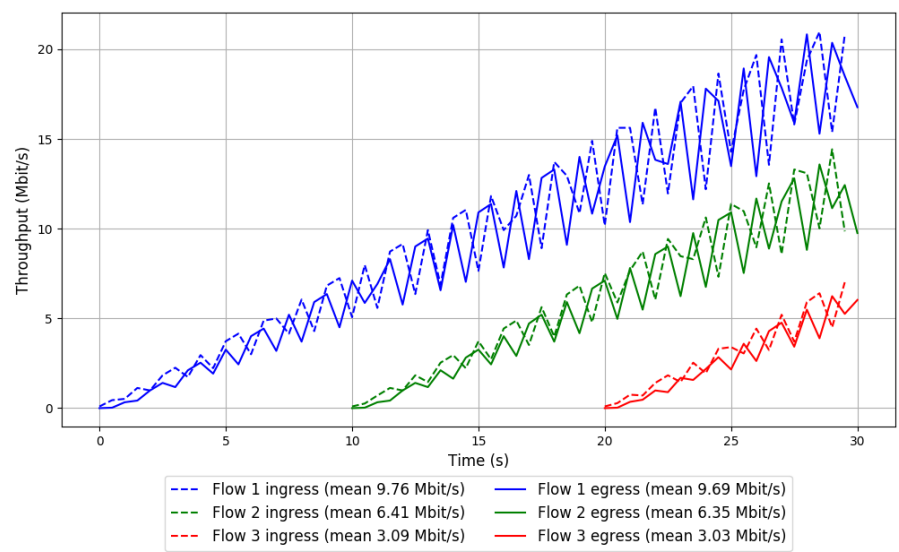
```
Run 1: Statistics of LEDBAT

Start at: 2018-08-22 19:14:08
End at: 2018-08-22 19:14:38
Local clock offset: 2.473 ms
Remote clock offset: -36.079 ms

# Below is generated by plot.py at 2018-08-23 00:59:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 133.610 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 132.188 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 132.165 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 133.717 ms
Loss rate: 3.95%
```



Run 1: Report of LEDBAT — Data Link

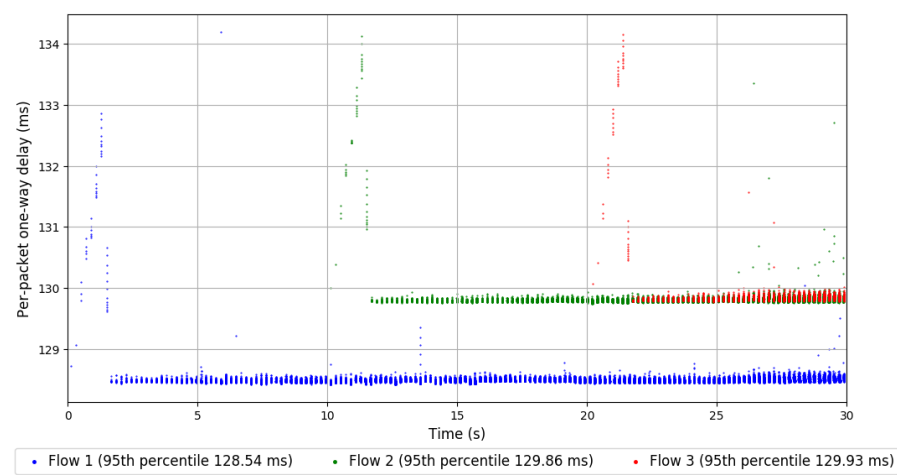
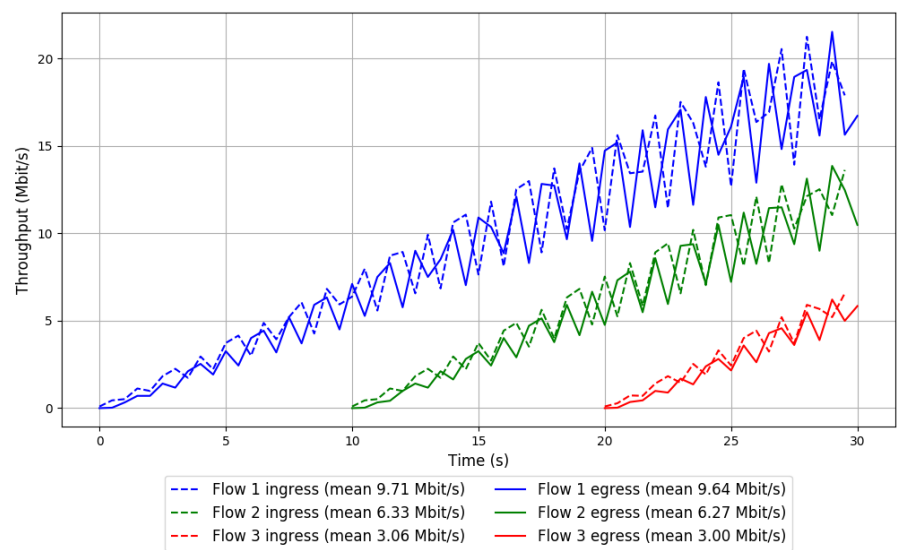


Run 2: Statistics of LEDBAT

Start at: 2018-08-22 19:55:57  
End at: 2018-08-22 19:56:27  
Local clock offset: -0.517 ms  
Remote clock offset: -33.334 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.79 Mbit/s  
95th percentile per-packet one-way delay: 129.846 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.64 Mbit/s  
95th percentile per-packet one-way delay: 128.542 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 6.27 Mbit/s  
95th percentile per-packet one-way delay: 129.864 ms  
Loss rate: 1.96%  
-- Flow 3:  
Average throughput: 3.00 Mbit/s  
95th percentile per-packet one-way delay: 129.927 ms  
Loss rate: 3.98%

Run 2: Report of LEDBAT — Data Link

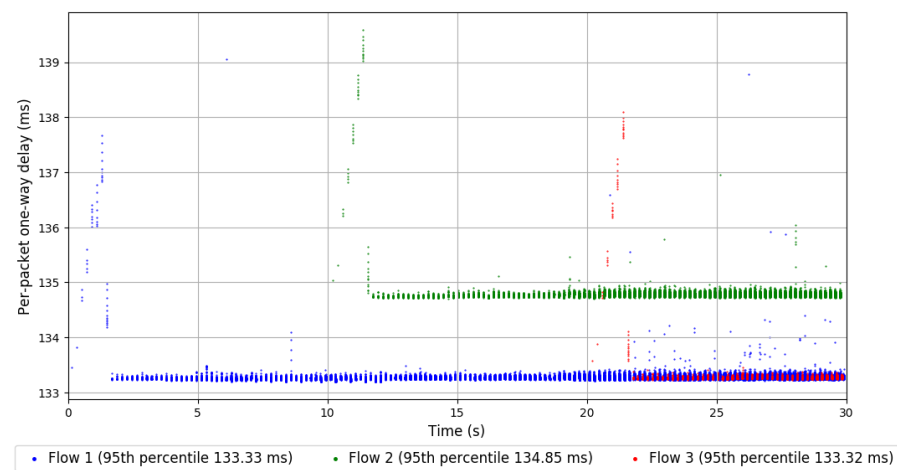
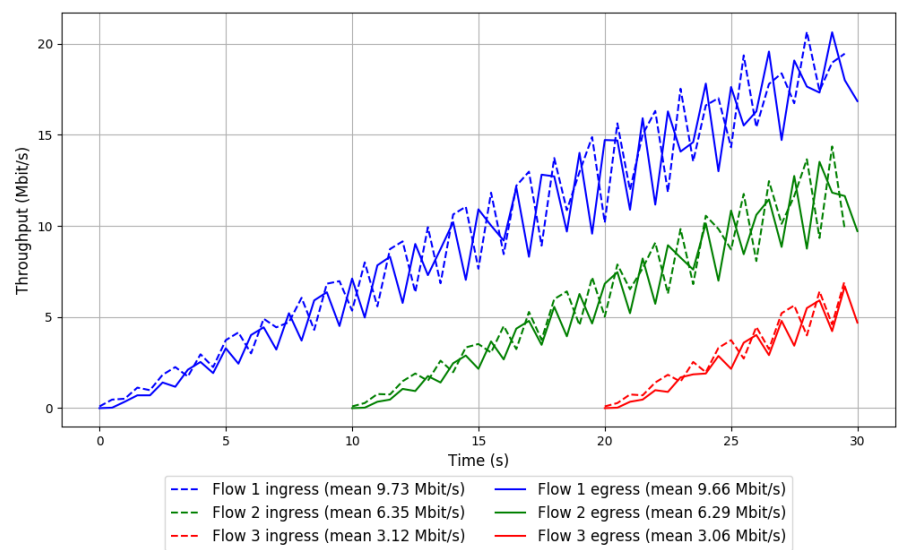


Run 3: Statistics of LEDBAT

Start at: 2018-08-22 20:25:59  
End at: 2018-08-22 20:26:29  
Local clock offset: -1.07 ms  
Remote clock offset: -37.698 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.79 Mbit/s  
95th percentile per-packet one-way delay: 134.810 ms  
Loss rate: 1.65%  
-- Flow 1:  
Average throughput: 9.66 Mbit/s  
95th percentile per-packet one-way delay: 133.333 ms  
Loss rate: 1.28%  
-- Flow 2:  
Average throughput: 6.29 Mbit/s  
95th percentile per-packet one-way delay: 134.846 ms  
Loss rate: 1.96%  
-- Flow 3:  
Average throughput: 3.06 Mbit/s  
95th percentile per-packet one-way delay: 133.324 ms  
Loss rate: 3.94%

Run 3: Report of LEDBAT — Data Link

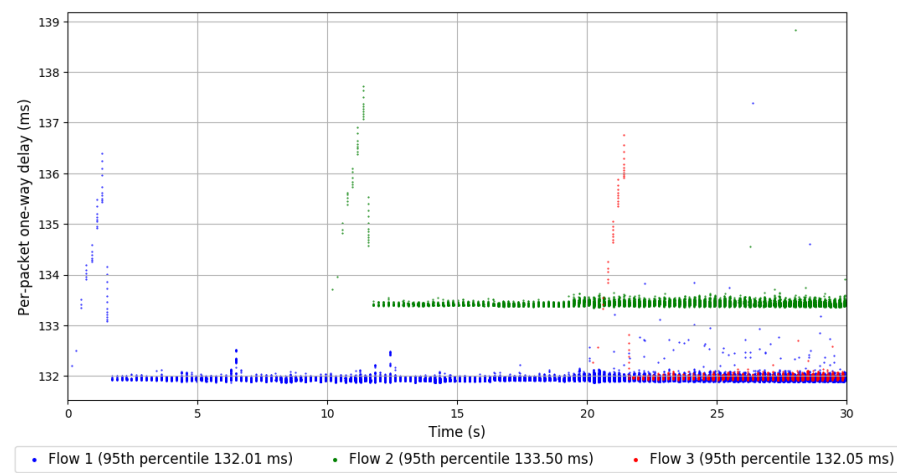
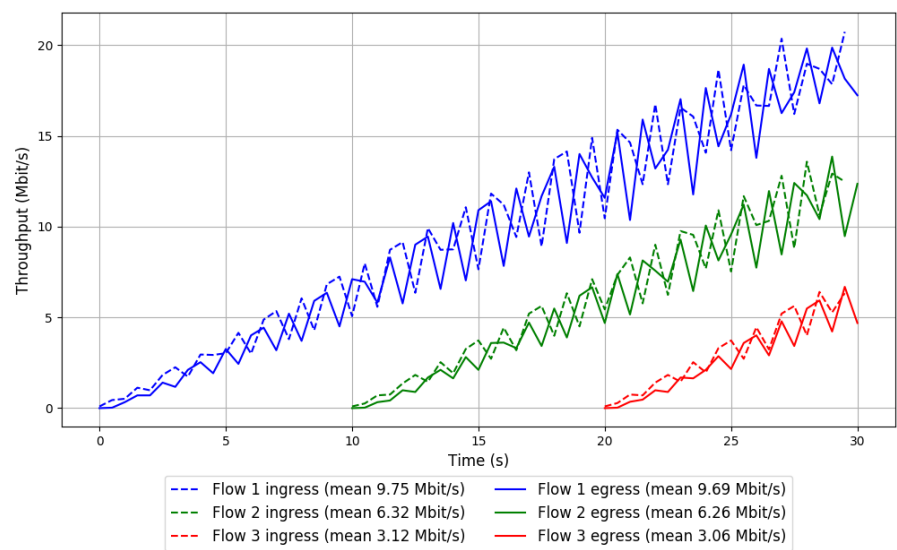


Run 4: Statistics of LEDBAT

Start at: 2018-08-22 20:56:12  
End at: 2018-08-22 20:56:42  
Local clock offset: 1.543 ms  
Remote clock offset: -35.245 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.82 Mbit/s  
95th percentile per-packet one-way delay: 133.464 ms  
Loss rate: 1.65%  
-- Flow 1:  
Average throughput: 9.69 Mbit/s  
95th percentile per-packet one-way delay: 132.014 ms  
Loss rate: 1.28%  
-- Flow 2:  
Average throughput: 6.26 Mbit/s  
95th percentile per-packet one-way delay: 133.505 ms  
Loss rate: 1.96%  
-- Flow 3:  
Average throughput: 3.06 Mbit/s  
95th percentile per-packet one-way delay: 132.051 ms  
Loss rate: 3.94%

Run 4: Report of LEDBAT — Data Link



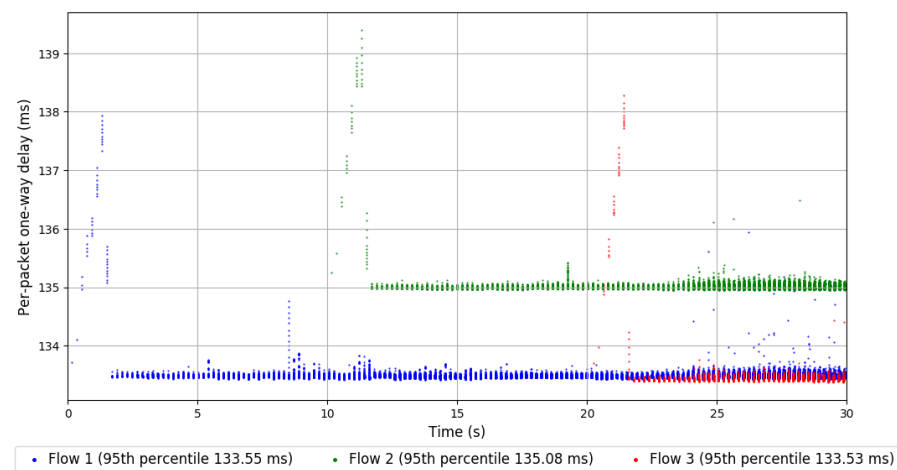
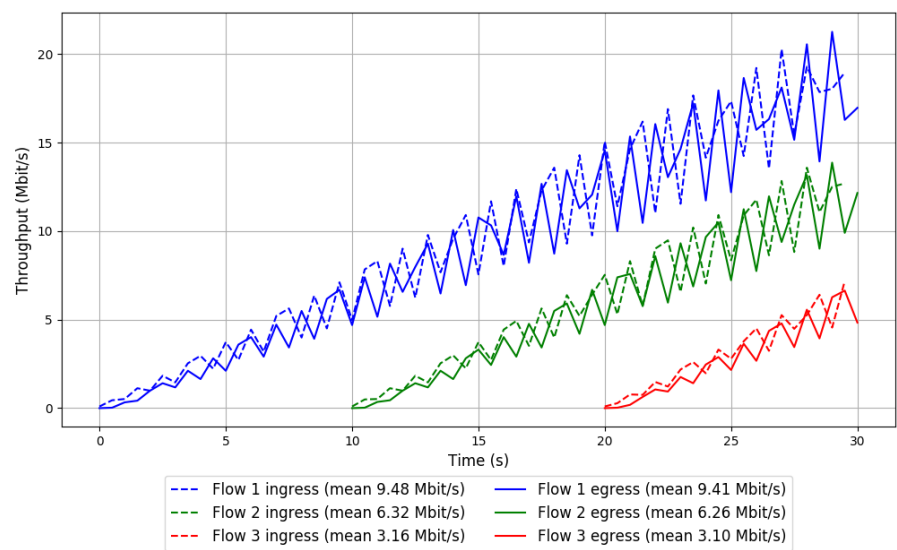
Run 5: Statistics of LEDBAT

Start at: 2018-08-22 21:26:09  
End at: 2018-08-22 21:26:39  
Local clock offset: 0.276 ms  
Remote clock offset: -39.852 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.57 Mbit/s  
95th percentile per-packet one-way delay: 135.039 ms  
Loss rate: 1.67%  
-- Flow 1:  
Average throughput: 9.41 Mbit/s  
95th percentile per-packet one-way delay: 133.552 ms  
Loss rate: 1.30%  
-- Flow 2:  
Average throughput: 6.26 Mbit/s  
95th percentile per-packet one-way delay: 135.080 ms  
Loss rate: 1.95%  
-- Flow 3:  
Average throughput: 3.10 Mbit/s  
95th percentile per-packet one-way delay: 133.533 ms  
Loss rate: 3.93%



Run 5: Report of LEDBAT — Data Link

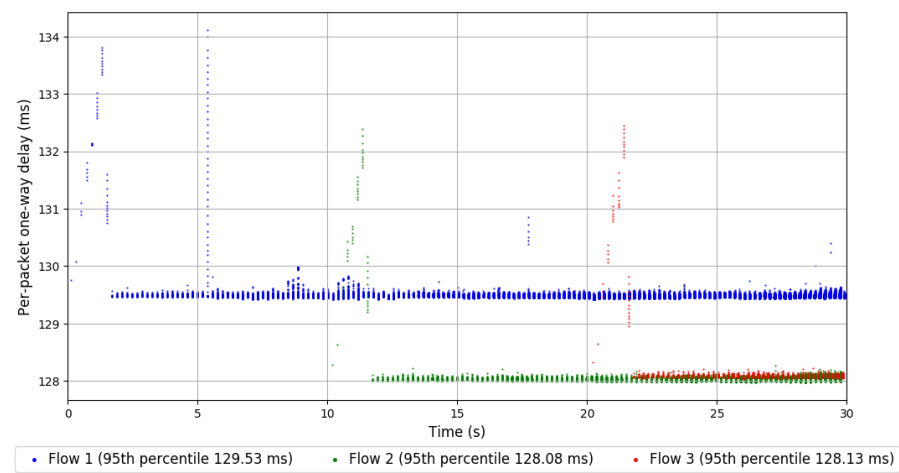
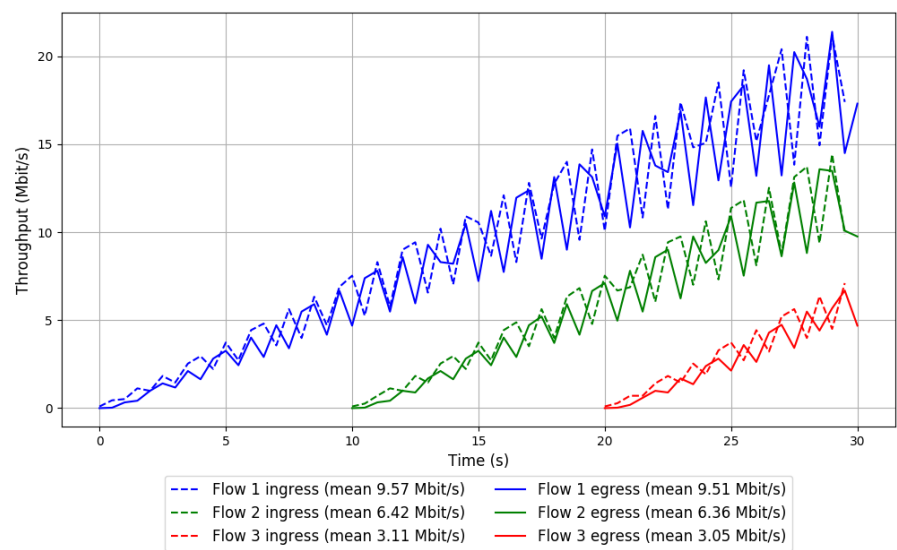


Run 6: Statistics of LEDBAT

Start at: 2018-08-22 21:55:48  
End at: 2018-08-22 21:56:18  
Local clock offset: 1.23 ms  
Remote clock offset: -34.824 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.67 Mbit/s  
95th percentile per-packet one-way delay: 129.523 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.51 Mbit/s  
95th percentile per-packet one-way delay: 129.534 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 6.36 Mbit/s  
95th percentile per-packet one-way delay: 128.078 ms  
Loss rate: 1.96%  
-- Flow 3:  
Average throughput: 3.05 Mbit/s  
95th percentile per-packet one-way delay: 128.133 ms  
Loss rate: 3.95%

Run 6: Report of LEDBAT — Data Link

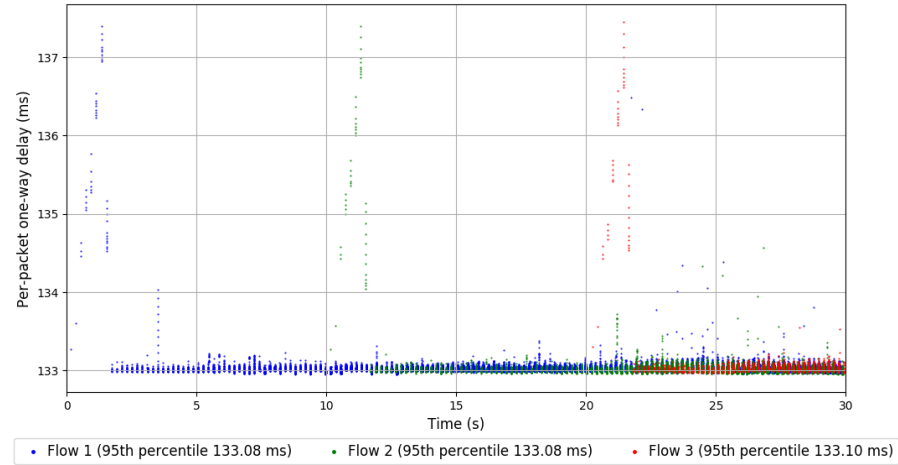
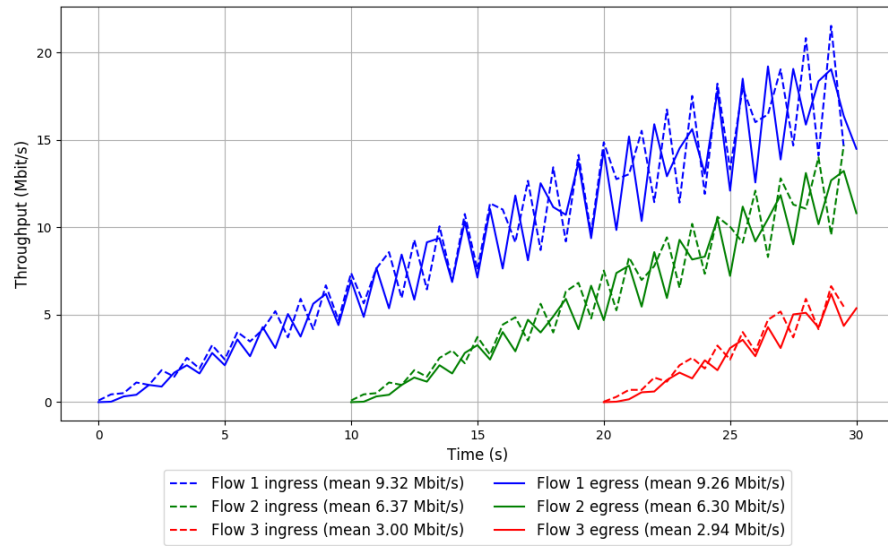


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 22:25:48  
End at: 2018-08-22 22:26:18  
Local clock offset: 4.028 ms  
Remote clock offset: -36.843 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.35 Mbit/s  
95th percentile per-packet one-way delay: 133.082 ms  
Loss rate: 1.68%  
-- Flow 1:  
Average throughput: 9.26 Mbit/s  
95th percentile per-packet one-way delay: 133.081 ms  
Loss rate: 1.32%  
-- Flow 2:  
Average throughput: 6.30 Mbit/s  
95th percentile per-packet one-way delay: 133.076 ms  
Loss rate: 1.95%  
-- Flow 3:  
Average throughput: 2.94 Mbit/s  
95th percentile per-packet one-way delay: 133.105 ms  
Loss rate: 4.00%

# Run 7: Report of LEDBAT — Data Link

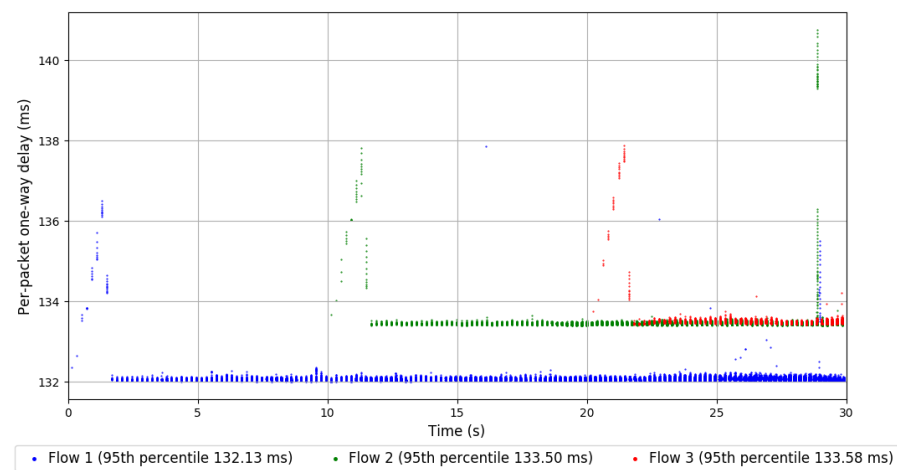
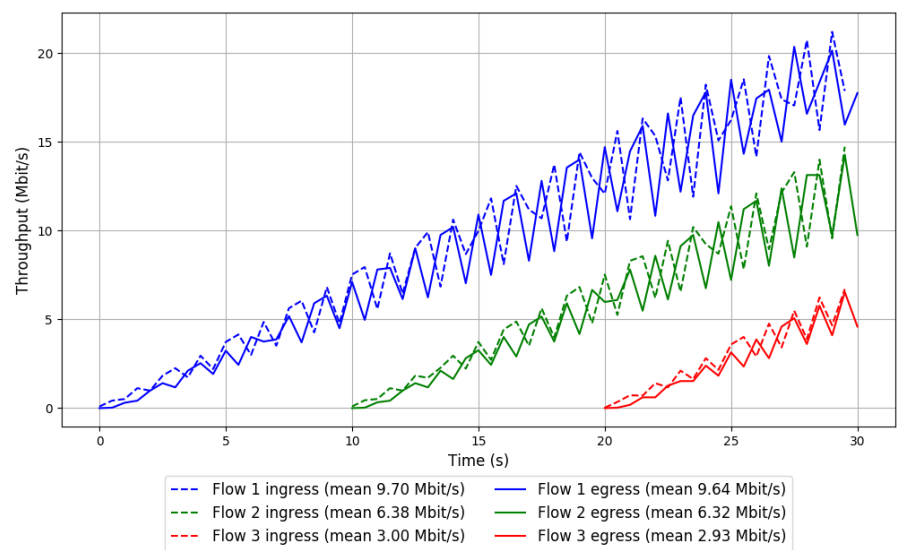


Run 8: Statistics of LEDBAT

Start at: 2018-08-22 23:07:22  
End at: 2018-08-22 23:07:52  
Local clock offset: 1.509 ms  
Remote clock offset: -39.817 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.77 Mbit/s  
95th percentile per-packet one-way delay: 133.492 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.64 Mbit/s  
95th percentile per-packet one-way delay: 132.128 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 6.32 Mbit/s  
95th percentile per-packet one-way delay: 133.498 ms  
Loss rate: 1.96%  
-- Flow 3:  
Average throughput: 2.93 Mbit/s  
95th percentile per-packet one-way delay: 133.583 ms  
Loss rate: 4.03%

Run 8: Report of LEDBAT — Data Link



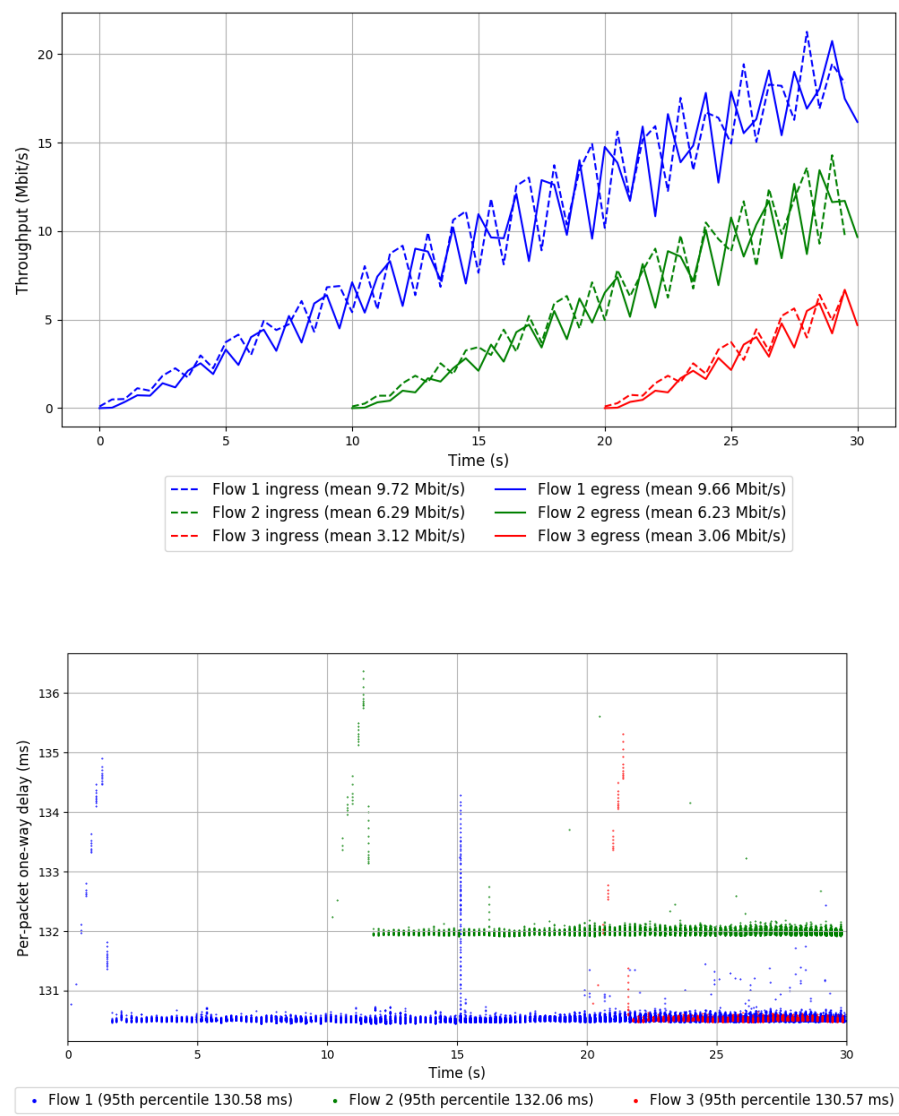
Run 9: Statistics of LEDBAT

Start at: 2018-08-22 23:37:34  
End at: 2018-08-22 23:38:04  
Local clock offset: 4.244 ms  
Remote clock offset: -35.45 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.75 Mbit/s  
95th percentile per-packet one-way delay: 132.017 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.66 Mbit/s  
95th percentile per-packet one-way delay: 130.584 ms  
Loss rate: 1.28%  
-- Flow 2:  
Average throughput: 6.23 Mbit/s  
95th percentile per-packet one-way delay: 132.056 ms  
Loss rate: 1.97%  
-- Flow 3:  
Average throughput: 3.06 Mbit/s  
95th percentile per-packet one-way delay: 130.569 ms  
Loss rate: 3.94%



Run 9: Report of LEDBAT — Data Link

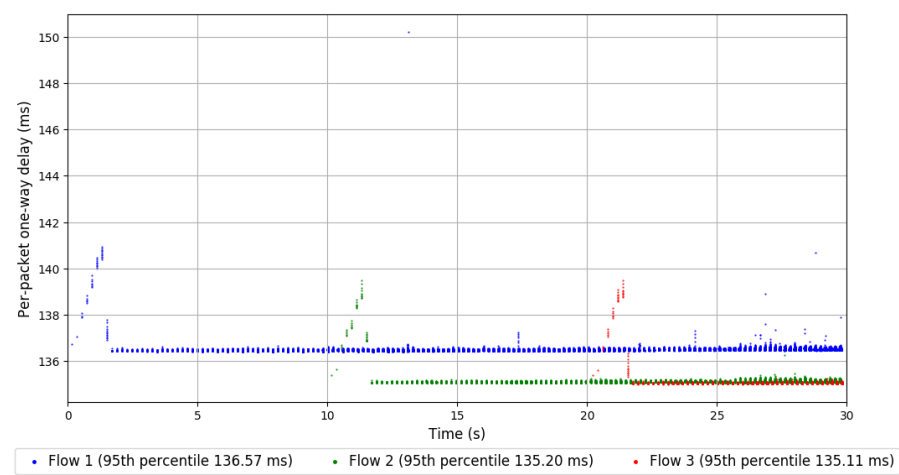
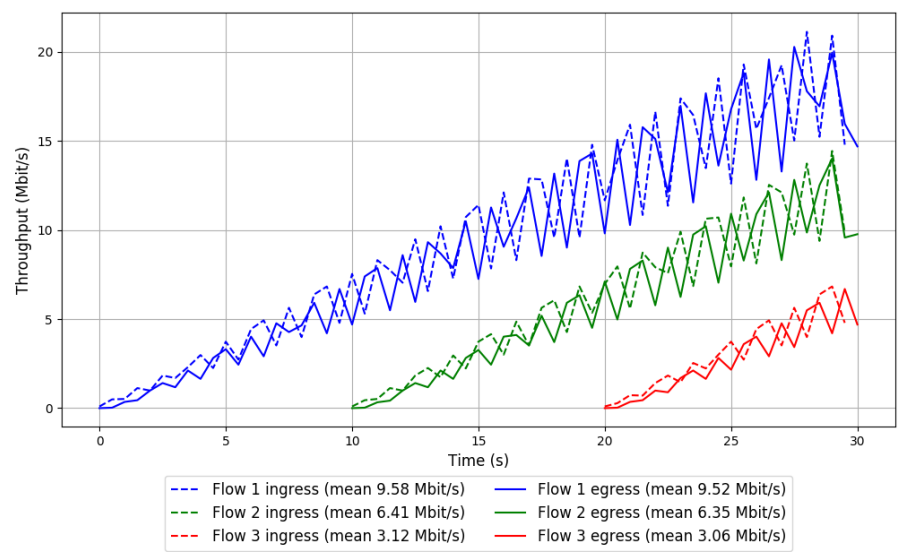


Run 10: Statistics of LEDBAT

Start at: 2018-08-23 00:07:35  
End at: 2018-08-23 00:08:05  
Local clock offset: 3.802 ms  
Remote clock offset: -39.944 ms

# Below is generated by plot.py at 2018-08-23 00:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.69 Mbit/s  
95th percentile per-packet one-way delay: 136.553 ms  
Loss rate: 1.67%  
-- Flow 1:  
Average throughput: 9.52 Mbit/s  
95th percentile per-packet one-way delay: 136.567 ms  
Loss rate: 1.30%  
-- Flow 2:  
Average throughput: 6.35 Mbit/s  
95th percentile per-packet one-way delay: 135.198 ms  
Loss rate: 1.95%  
-- Flow 3:  
Average throughput: 3.06 Mbit/s  
95th percentile per-packet one-way delay: 135.114 ms  
Loss rate: 3.95%

Run 10: Report of LEDBAT — Data Link

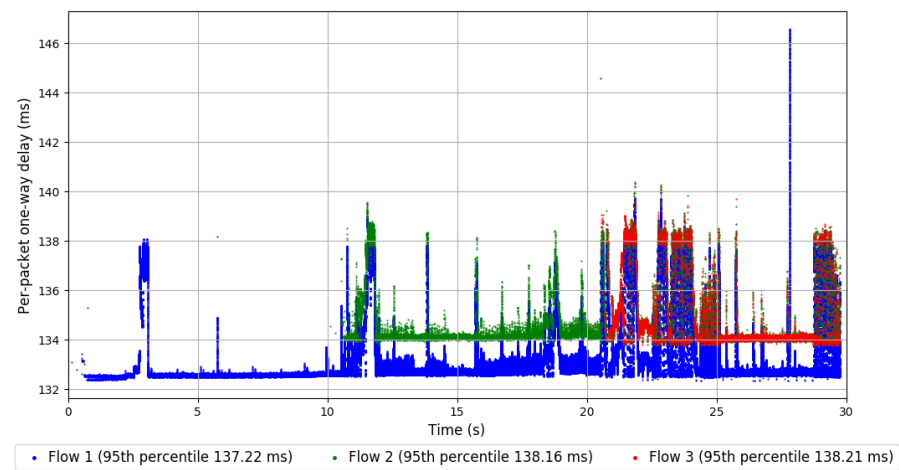
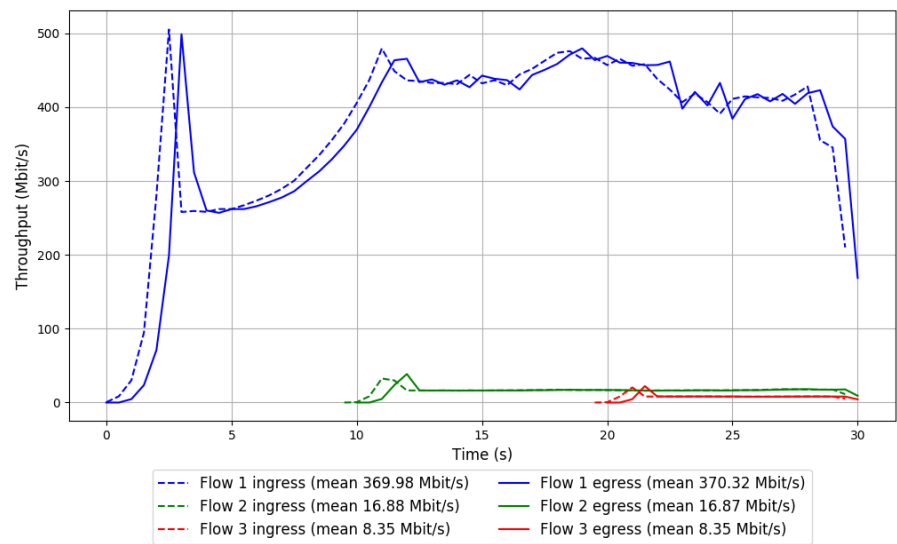


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 19:06:46
End at: 2018-08-22 19:07:16
Local clock offset: 0.002 ms
Remote clock offset: -38.788 ms

# Below is generated by plot.py at 2018-08-23 01:01:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.21 Mbit/s
95th percentile per-packet one-way delay: 137.273 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 370.32 Mbit/s
95th percentile per-packet one-way delay: 137.221 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 138.156 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 138.212 ms
Loss rate: 1.93%
```

Run 1: Report of PCC-Allegro — Data Link

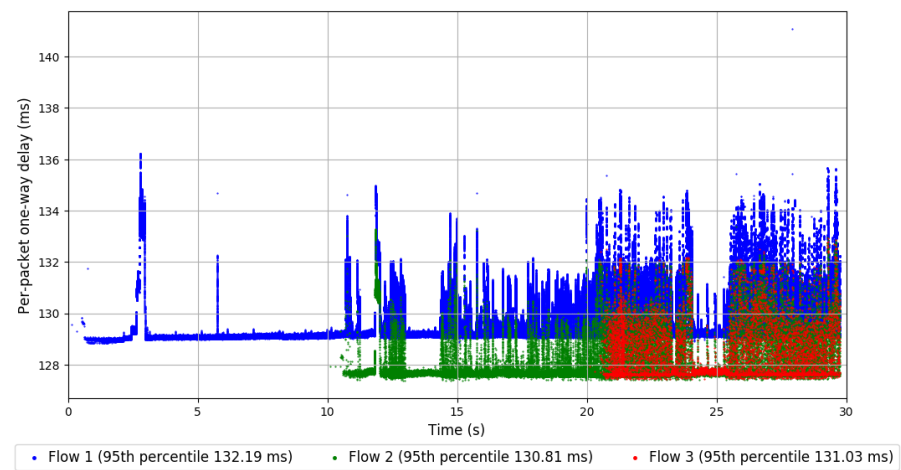
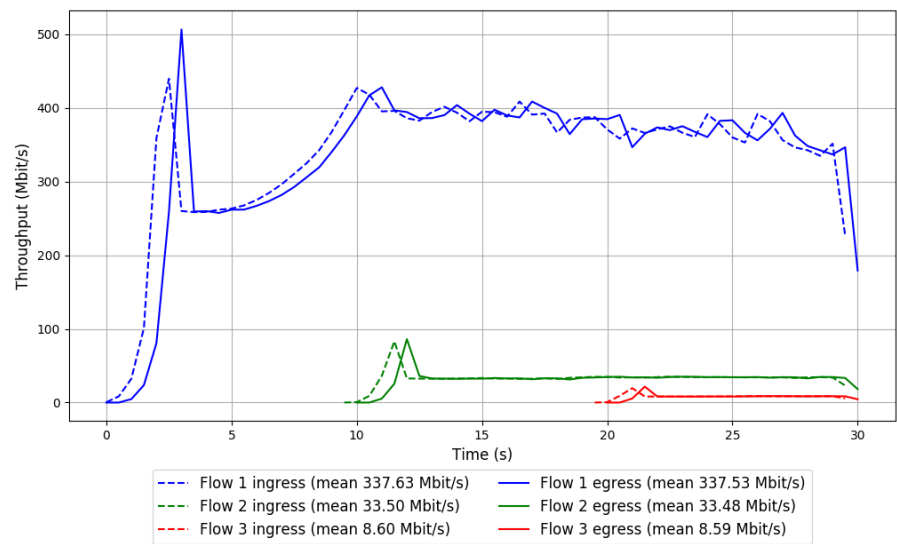


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 19:42:59  
End at: 2018-08-22 19:43:29  
Local clock offset: -0.864 ms  
Remote clock offset: -33.879 ms

# Below is generated by plot.py at 2018-08-23 01:01:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 362.50 Mbit/s  
95th percentile per-packet one-way delay: 132.093 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 337.53 Mbit/s  
95th percentile per-packet one-way delay: 132.188 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 33.48 Mbit/s  
95th percentile per-packet one-way delay: 130.809 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 8.59 Mbit/s  
95th percentile per-packet one-way delay: 131.027 ms  
Loss rate: 2.00%

Run 2: Report of PCC-Allegro — Data Link



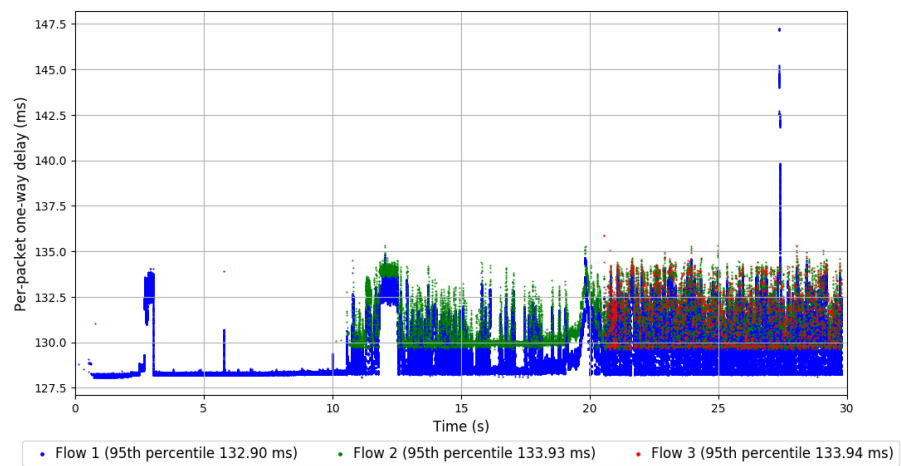
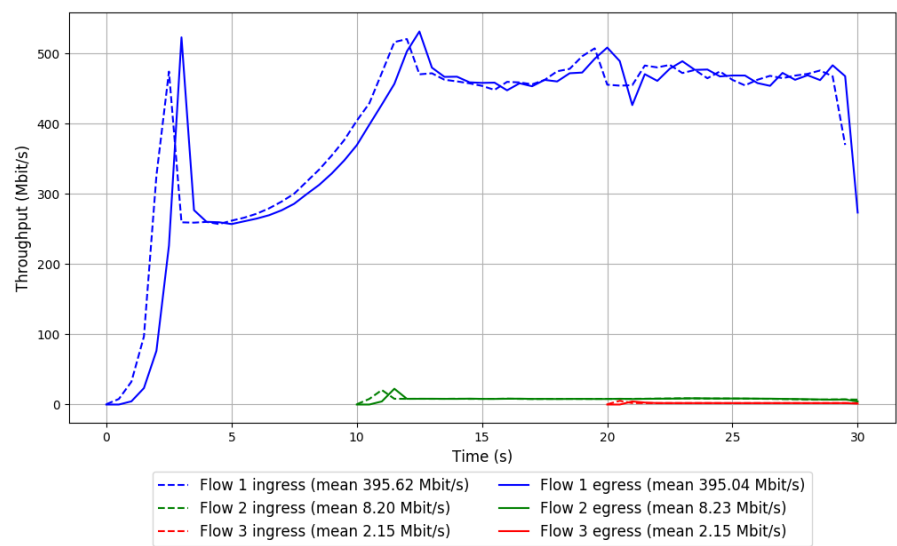
Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 20:18:38  
End at: 2018-08-22 20:19:08  
Local clock offset: -0.976 ms  
Remote clock offset: -32.919 ms

# Below is generated by plot.py at 2018-08-23 01:01:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 401.20 Mbit/s  
95th percentile per-packet one-way delay: 132.942 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 395.04 Mbit/s  
95th percentile per-packet one-way delay: 132.902 ms  
Loss rate: 0.92%  
-- Flow 2:  
Average throughput: 8.23 Mbit/s  
95th percentile per-packet one-way delay: 133.931 ms  
Loss rate: 3.58%  
-- Flow 3:  
Average throughput: 2.15 Mbit/s  
95th percentile per-packet one-way delay: 133.942 ms  
Loss rate: 7.67%



Run 3: Report of PCC-Allegro — Data Link

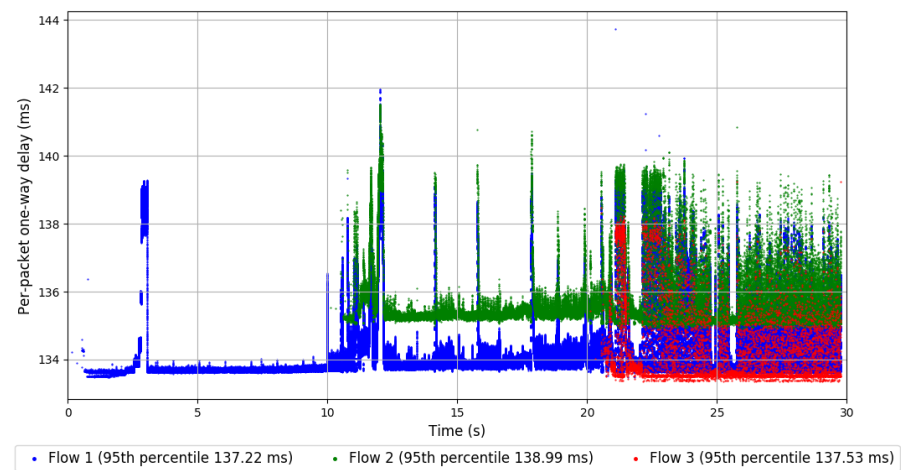
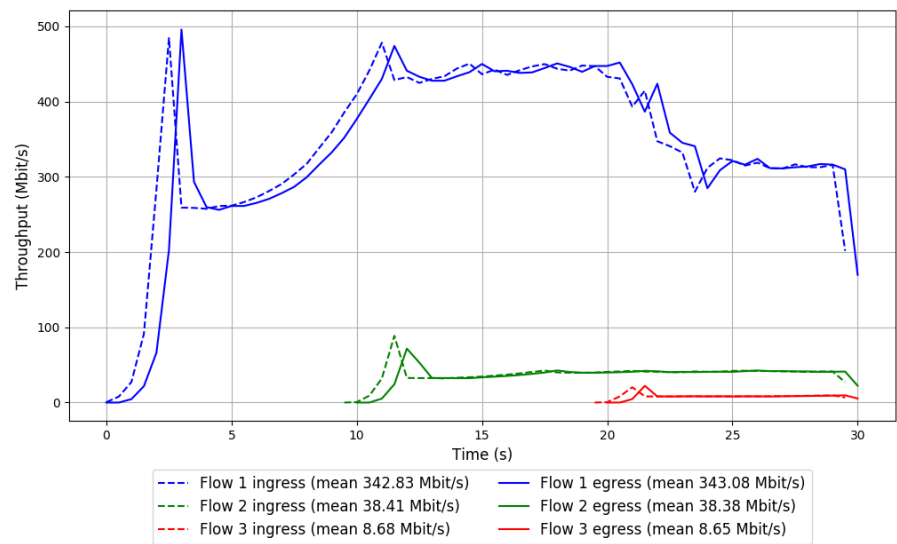


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 20:48:45  
End at: 2018-08-22 20:49:15  
Local clock offset: -0.331 ms  
Remote clock offset: -38.486 ms

# Below is generated by plot.py at 2018-08-23 01:01:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 371.28 Mbit/s  
95th percentile per-packet one-way delay: 137.420 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 343.08 Mbit/s  
95th percentile per-packet one-way delay: 137.217 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 38.38 Mbit/s  
95th percentile per-packet one-way delay: 138.992 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 8.65 Mbit/s  
95th percentile per-packet one-way delay: 137.525 ms  
Loss rate: 2.28%

Run 4: Report of PCC-Allegro — Data Link

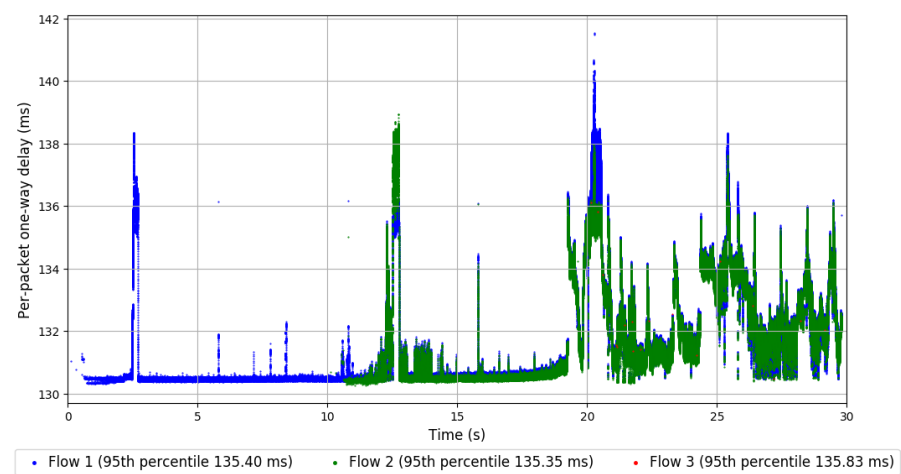
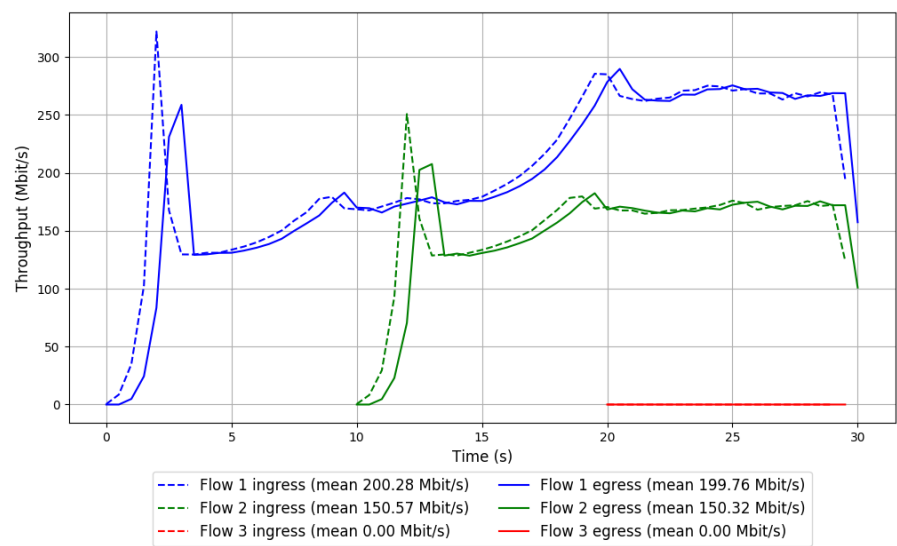


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 21:18:52  
End at: 2018-08-22 21:19:22  
Local clock offset: -0.099 ms  
Remote clock offset: -36.835 ms

# Below is generated by plot.py at 2018-08-23 01:01:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 299.39 Mbit/s  
95th percentile per-packet one-way delay: 135.371 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 199.76 Mbit/s  
95th percentile per-packet one-way delay: 135.395 ms  
Loss rate: 0.91%  
-- Flow 2:  
Average throughput: 150.32 Mbit/s  
95th percentile per-packet one-way delay: 135.349 ms  
Loss rate: 1.16%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 135.828 ms  
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

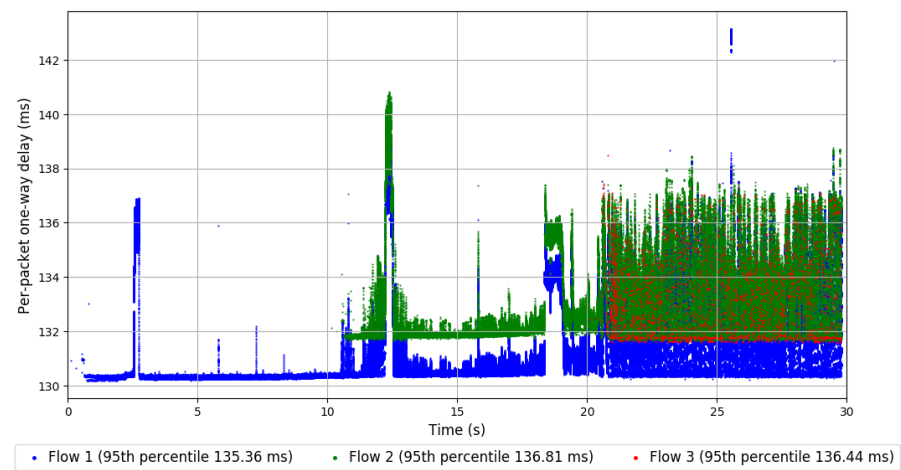
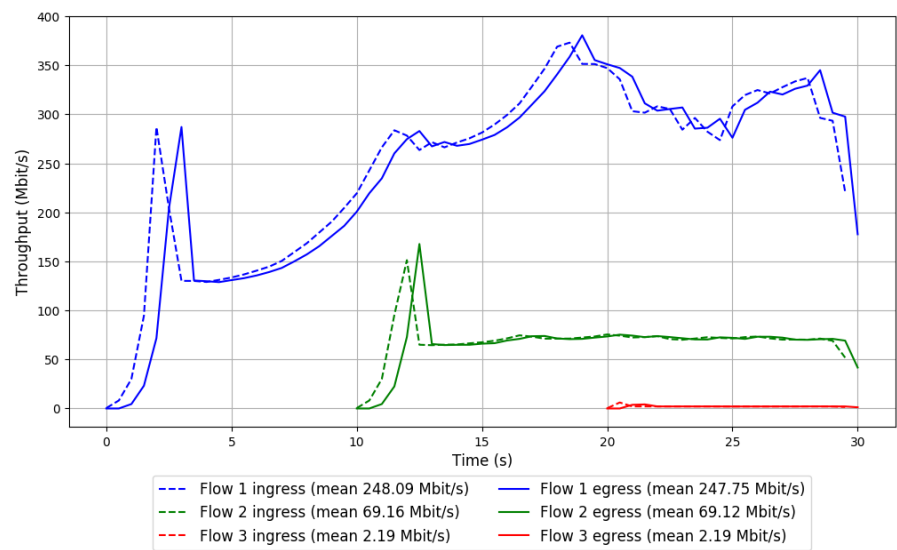


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 21:48:29  
End at: 2018-08-22 21:48:59  
Local clock offset: 0.68 ms  
Remote clock offset: -37.359 ms

# Below is generated by plot.py at 2018-08-23 01:01:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 294.23 Mbit/s  
95th percentile per-packet one-way delay: 135.721 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 247.75 Mbit/s  
95th percentile per-packet one-way delay: 135.363 ms  
Loss rate: 0.80%  
-- Flow 2:  
Average throughput: 69.12 Mbit/s  
95th percentile per-packet one-way delay: 136.812 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 2.19 Mbit/s  
95th percentile per-packet one-way delay: 136.439 ms  
Loss rate: 1.99%

Run 6: Report of PCC-Allegro — Data Link



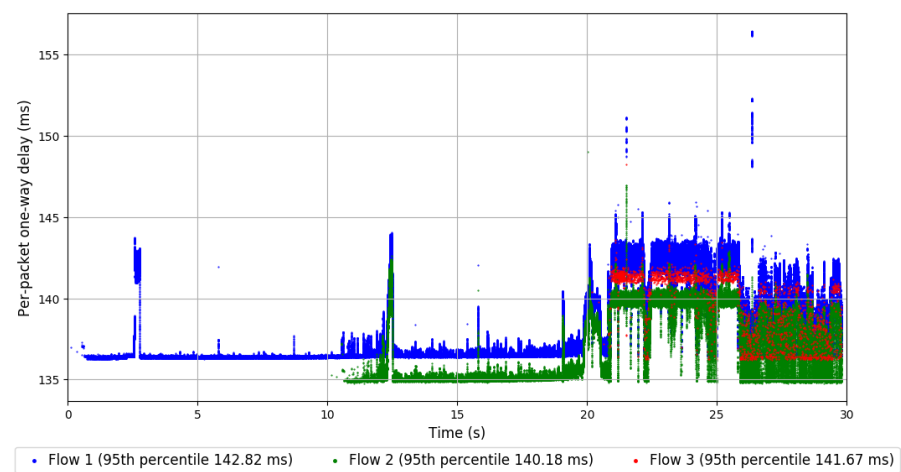
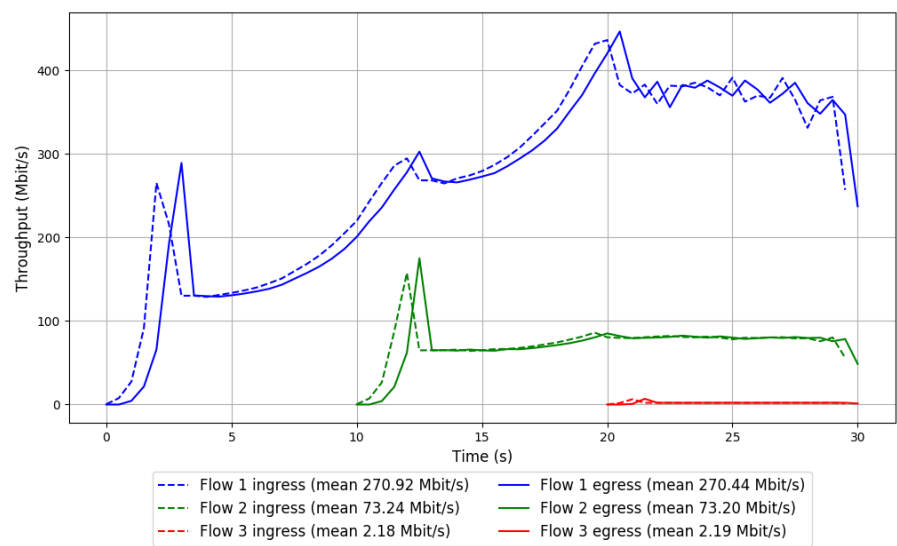
Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 22:18:24  
End at: 2018-08-22 22:18:54  
Local clock offset: 4.142 ms  
Remote clock offset: -39.868 ms

# Below is generated by plot.py at 2018-08-23 01:01:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 319.63 Mbit/s  
95th percentile per-packet one-way delay: 142.749 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 270.44 Mbit/s  
95th percentile per-packet one-way delay: 142.825 ms  
Loss rate: 0.84%  
-- Flow 2:  
Average throughput: 73.20 Mbit/s  
95th percentile per-packet one-way delay: 140.183 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 2.19 Mbit/s  
95th percentile per-packet one-way delay: 141.671 ms  
Loss rate: 1.83%



Run 7: Report of PCC-Allegro — Data Link

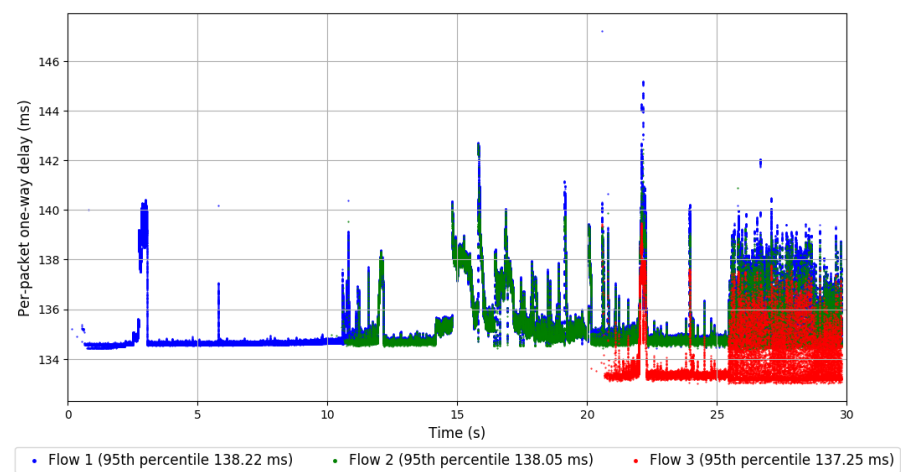
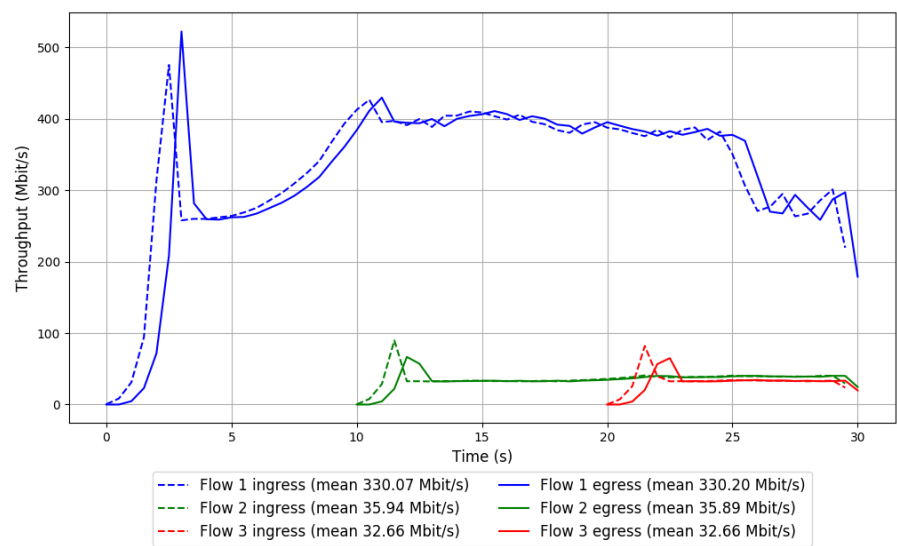


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 22:48:40  
End at: 2018-08-22 22:49:10  
Local clock offset: 2.15 ms  
Remote clock offset: -40.039 ms

# Below is generated by plot.py at 2018-08-23 01:04:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 364.57 Mbit/s  
95th percentile per-packet one-way delay: 138.184 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 330.20 Mbit/s  
95th percentile per-packet one-way delay: 138.223 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 35.89 Mbit/s  
95th percentile per-packet one-way delay: 138.051 ms  
Loss rate: 1.13%  
-- Flow 3:  
Average throughput: 32.66 Mbit/s  
95th percentile per-packet one-way delay: 137.247 ms  
Loss rate: 1.99%

Run 8: Report of PCC-Allegro — Data Link

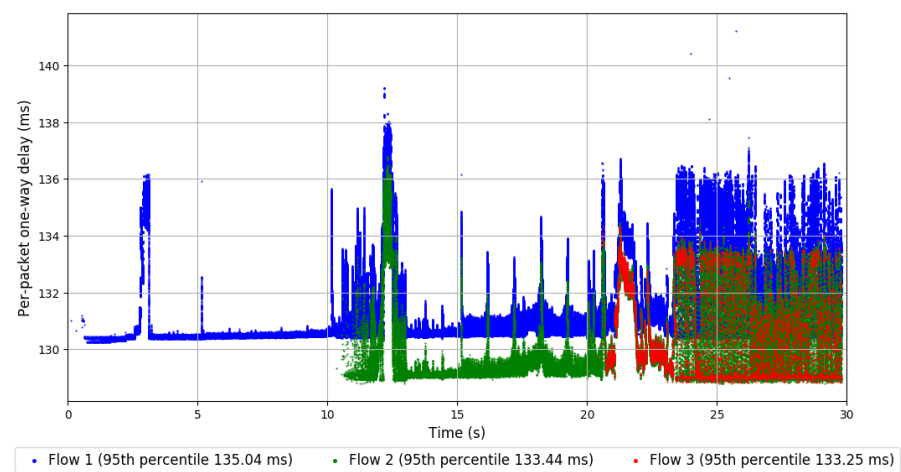
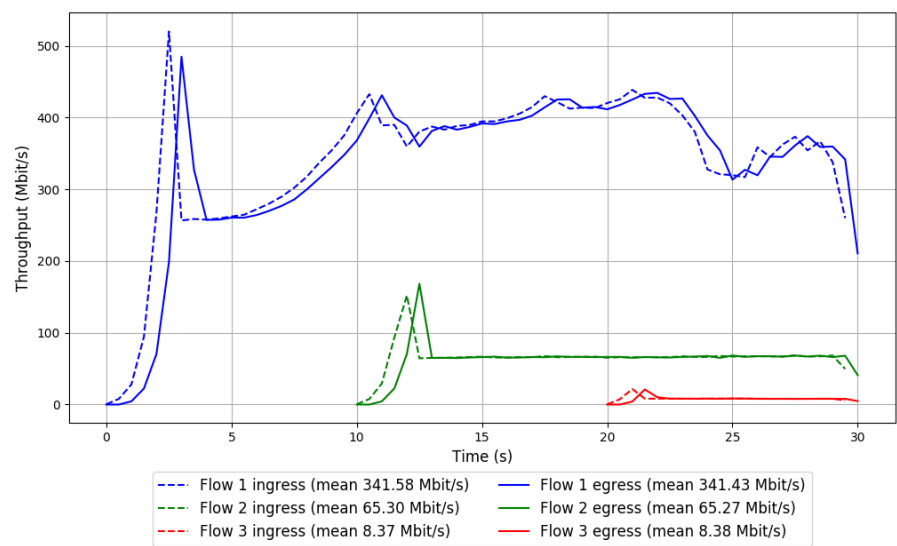


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 23:24:33  
End at: 2018-08-22 23:25:03  
Local clock offset: 1.214 ms  
Remote clock offset: -36.933 ms

# Below is generated by plot.py at 2018-08-23 01:05:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 387.38 Mbit/s  
95th percentile per-packet one-way delay: 134.956 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 341.43 Mbit/s  
95th percentile per-packet one-way delay: 135.039 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 65.27 Mbit/s  
95th percentile per-packet one-way delay: 133.444 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 8.38 Mbit/s  
95th percentile per-packet one-way delay: 133.250 ms  
Loss rate: 1.86%

Run 9: Report of PCC-Allegro — Data Link

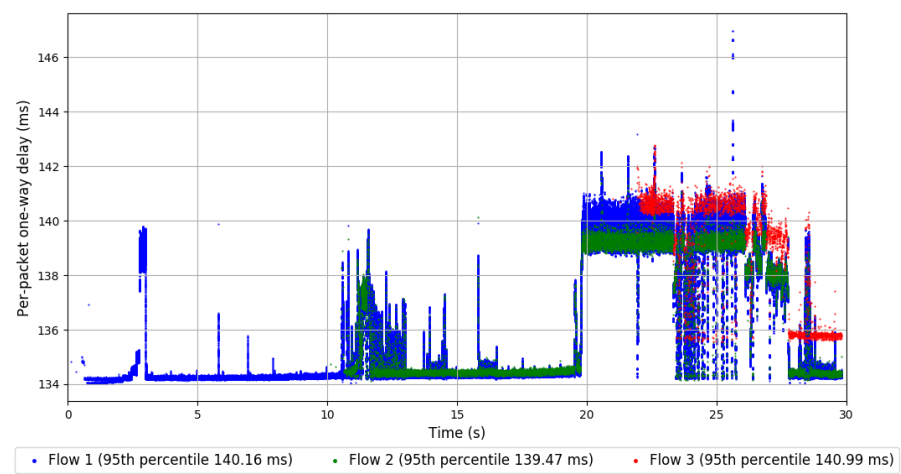
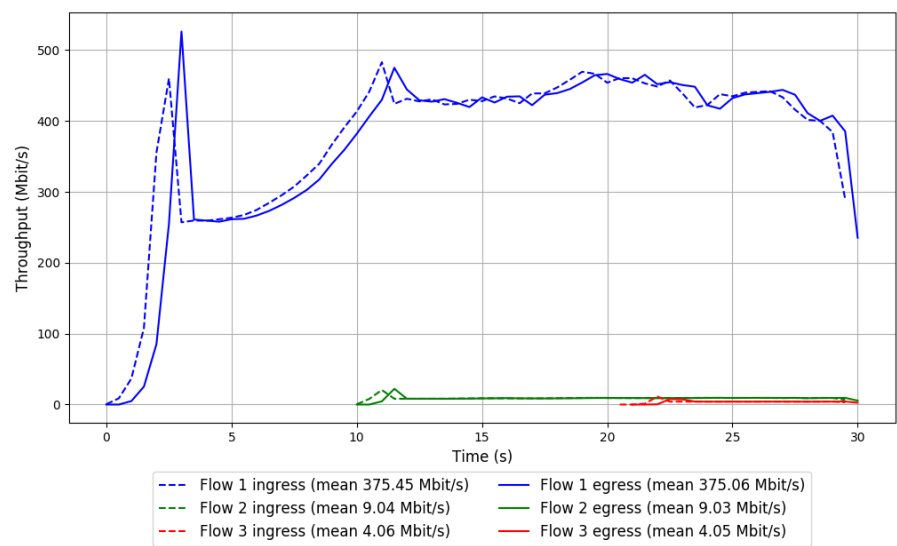


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-23 00:00:06  
End at: 2018-08-23 00:00:36  
Local clock offset: 3.52 ms  
Remote clock offset: -39.622 ms

# Below is generated by plot.py at 2018-08-23 01:05:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 382.24 Mbit/s  
95th percentile per-packet one-way delay: 140.168 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 375.06 Mbit/s  
95th percentile per-packet one-way delay: 140.164 ms  
Loss rate: 0.76%  
-- Flow 2:  
Average throughput: 9.03 Mbit/s  
95th percentile per-packet one-way delay: 139.466 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 4.05 Mbit/s  
95th percentile per-packet one-way delay: 140.992 ms  
Loss rate: 2.42%

Run 10: Report of PCC-Allegro — Data Link



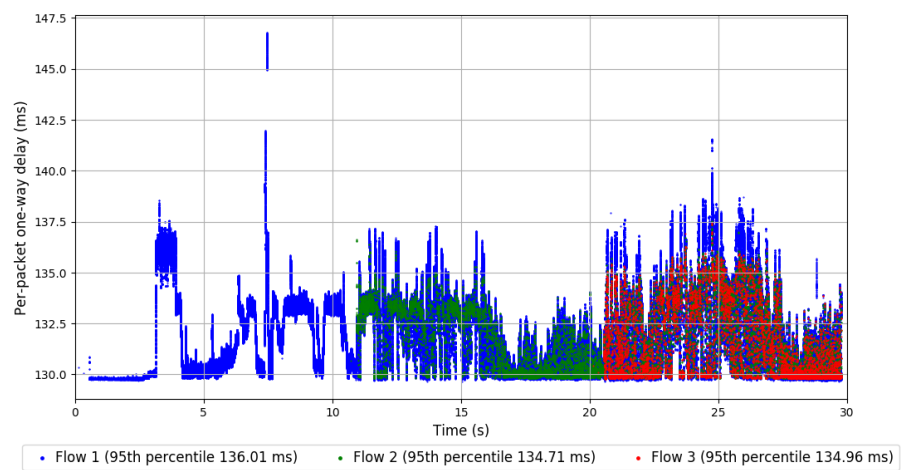
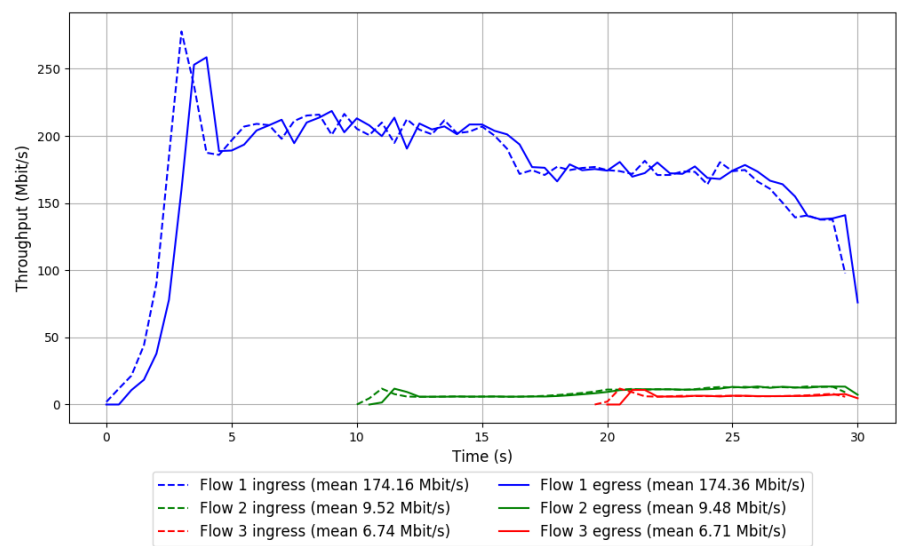
```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 19:23:53
End at: 2018-08-22 19:24:23
Local clock offset: -0.981 ms
Remote clock offset: -37.259 ms

# Below is generated by plot.py at 2018-08-23 01:05:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 182.70 Mbit/s
95th percentile per-packet one-way delay: 135.970 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 174.36 Mbit/s
95th percentile per-packet one-way delay: 136.010 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 134.712 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 134.963 ms
Loss rate: 2.44%
```



Run 1: Report of PCC-Expr — Data Link

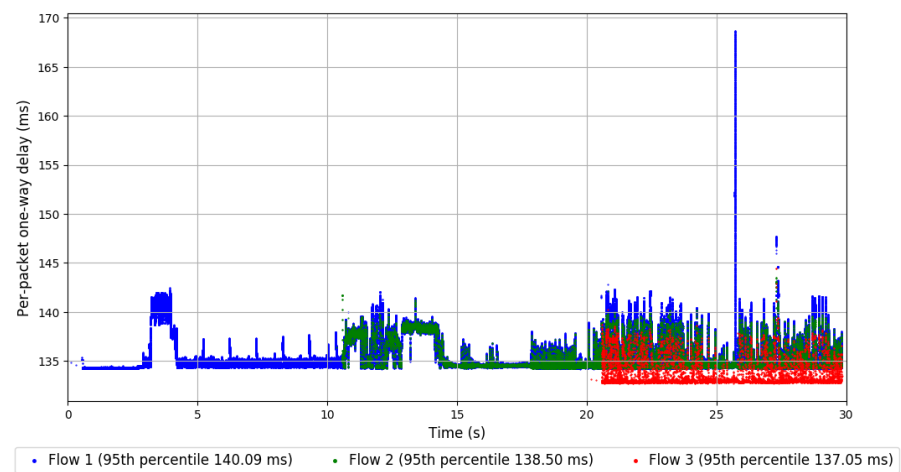
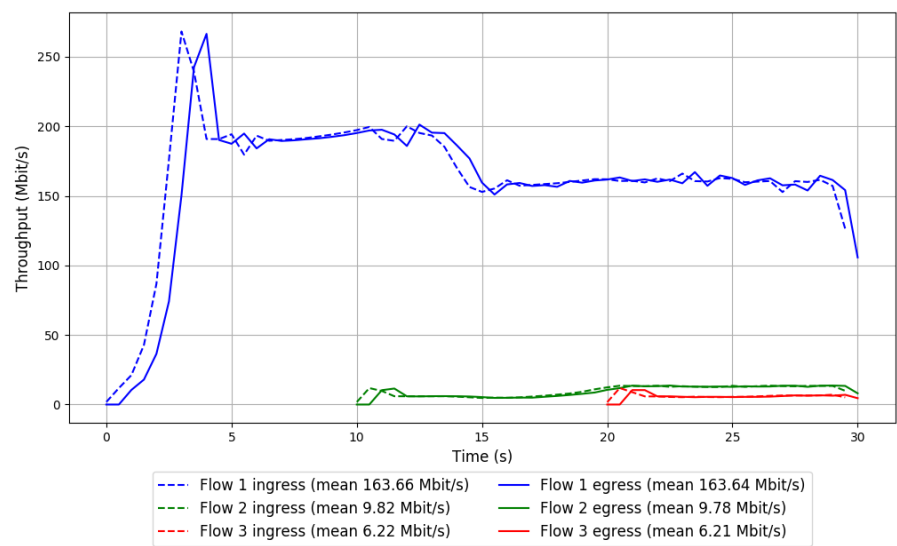


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 20:11:13
End at: 2018-08-22 20:11:43
Local clock offset: 0.624 ms
Remote clock offset: -36.124 ms

# Below is generated by plot.py at 2018-08-23 01:05:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.15 Mbit/s
95th percentile per-packet one-way delay: 139.991 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 163.64 Mbit/s
95th percentile per-packet one-way delay: 140.085 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 138.496 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 137.049 ms
Loss rate: 2.07%
```

Run 2: Report of PCC-Expr — Data Link

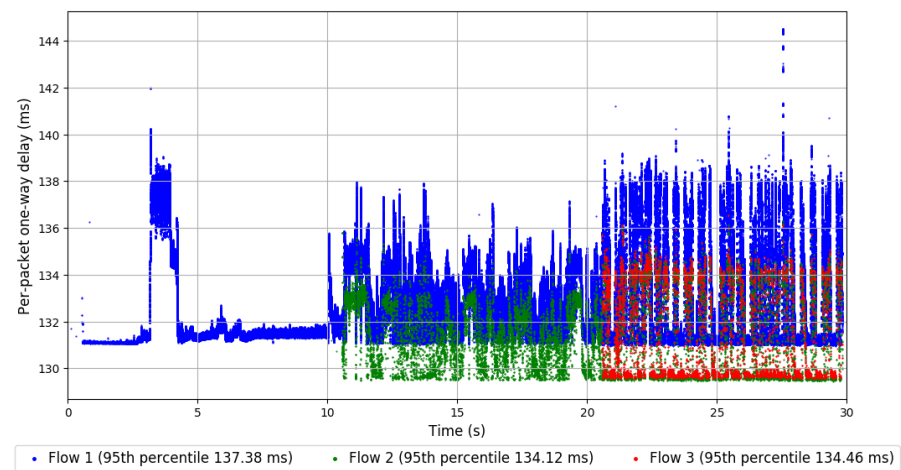
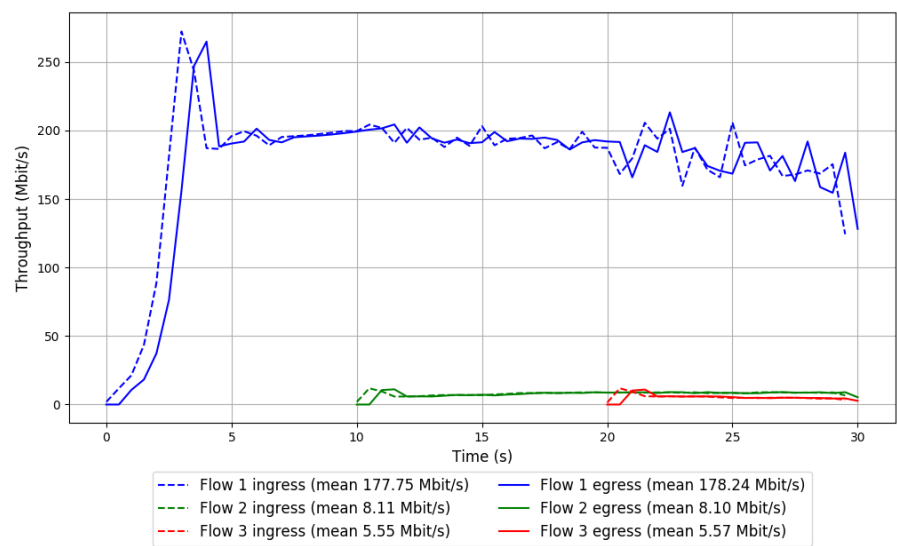


Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 20:41:11  
End at: 2018-08-22 20:41:41  
Local clock offset: 0.92 ms  
Remote clock offset: -32.678 ms

# Below is generated by plot.py at 2018-08-23 01:05:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 185.41 Mbit/s  
95th percentile per-packet one-way delay: 137.361 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 178.24 Mbit/s  
95th percentile per-packet one-way delay: 137.383 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 8.10 Mbit/s  
95th percentile per-packet one-way delay: 134.115 ms  
Loss rate: 1.09%  
-- Flow 3:  
Average throughput: 5.57 Mbit/s  
95th percentile per-packet one-way delay: 134.455 ms  
Loss rate: 1.60%

Run 3: Report of PCC-Expr — Data Link

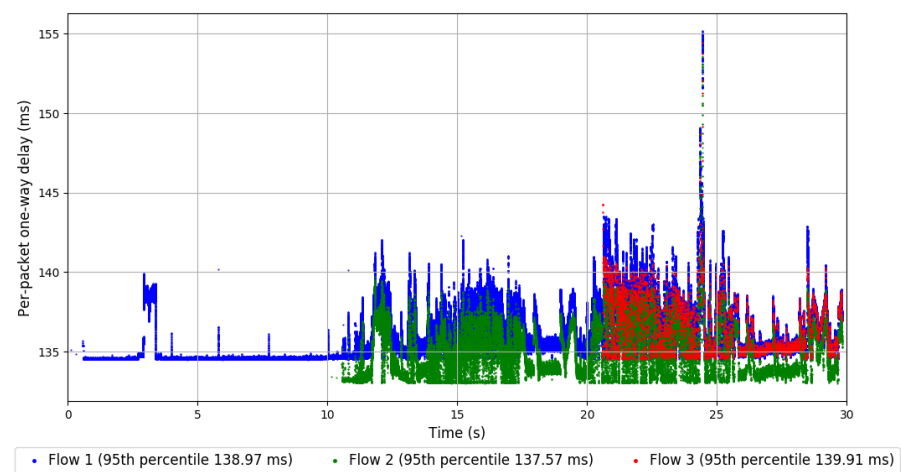
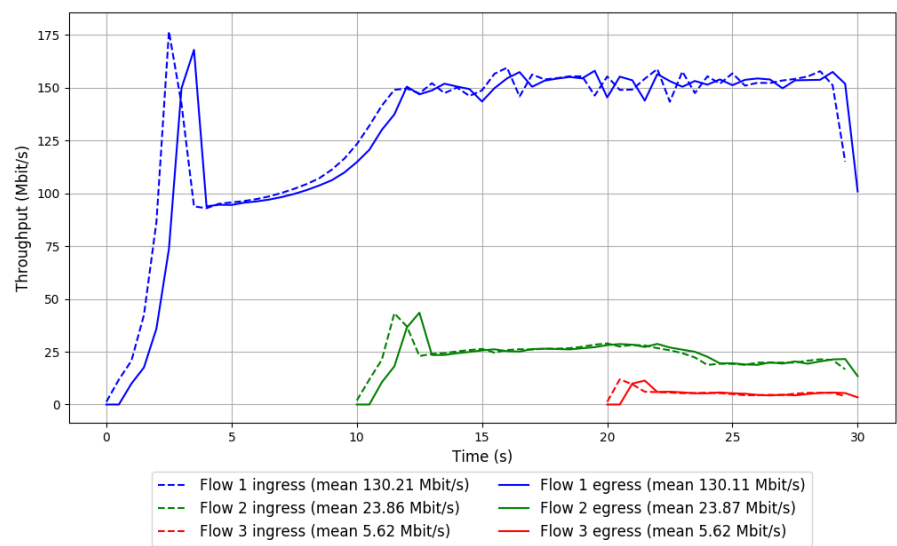


Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 21:11:31  
End at: 2018-08-22 21:12:01  
Local clock offset: 0.19 ms  
Remote clock offset: -38.791 ms

# Below is generated by plot.py at 2018-08-23 01:05:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 147.76 Mbit/s  
95th percentile per-packet one-way delay: 138.891 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 130.11 Mbit/s  
95th percentile per-packet one-way delay: 138.971 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 23.87 Mbit/s  
95th percentile per-packet one-way delay: 137.574 ms  
Loss rate: 0.91%  
-- Flow 3:  
Average throughput: 5.62 Mbit/s  
95th percentile per-packet one-way delay: 139.907 ms  
Loss rate: 1.90%

Run 4: Report of PCC-Expr — Data Link



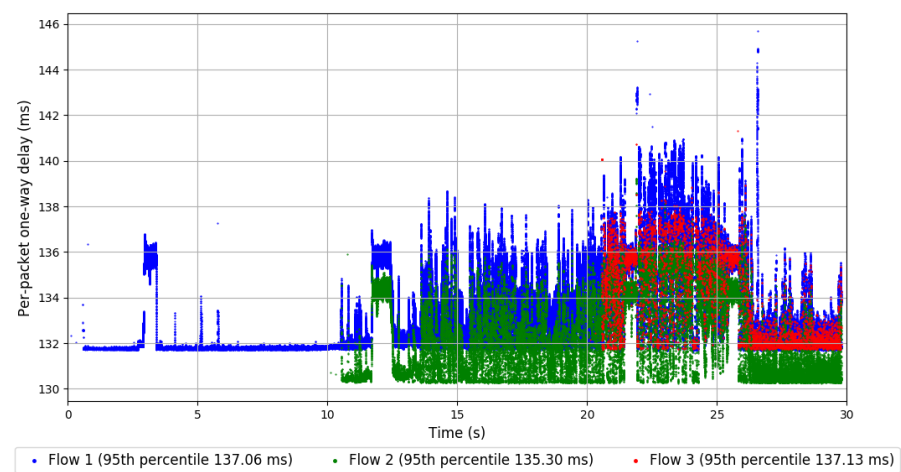
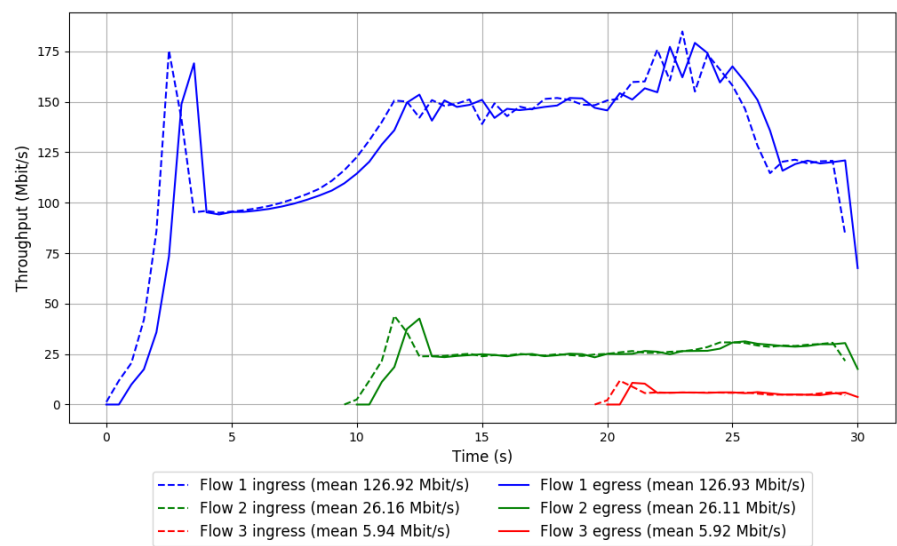
Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 21:41:22  
End at: 2018-08-22 21:41:52  
Local clock offset: 1.467 ms  
Remote clock offset: -36.344 ms

# Below is generated by plot.py at 2018-08-23 01:05:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 146.19 Mbit/s  
95th percentile per-packet one-way delay: 136.842 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 126.93 Mbit/s  
95th percentile per-packet one-way delay: 137.057 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 26.11 Mbit/s  
95th percentile per-packet one-way delay: 135.304 ms  
Loss rate: 1.16%  
-- Flow 3:  
Average throughput: 5.92 Mbit/s  
95th percentile per-packet one-way delay: 137.128 ms  
Loss rate: 2.21%



Run 5: Report of PCC-Expr — Data Link

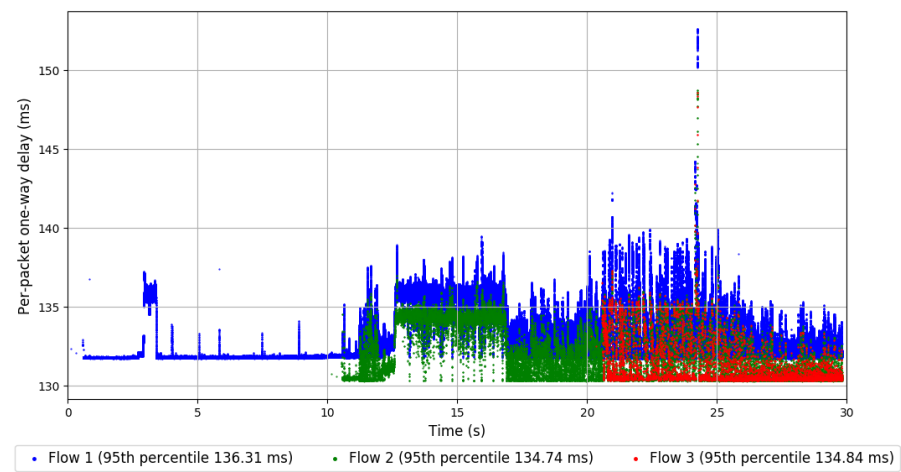
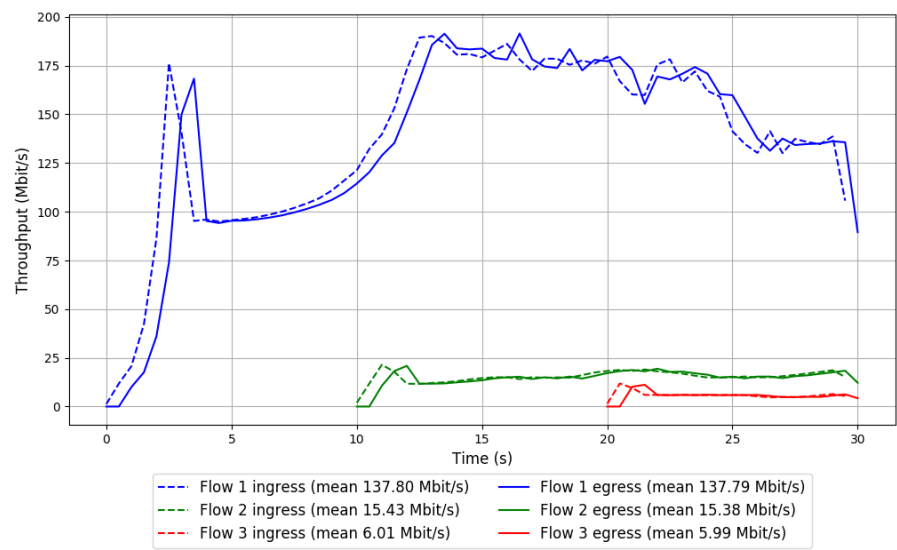


Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 22:05:29  
End at: 2018-08-22 22:05:59  
Local clock offset: 3.88 ms  
Remote clock offset: -34.694 ms

# Below is generated by plot.py at 2018-08-23 01:07:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 149.94 Mbit/s  
95th percentile per-packet one-way delay: 136.254 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 137.79 Mbit/s  
95th percentile per-packet one-way delay: 136.307 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 15.38 Mbit/s  
95th percentile per-packet one-way delay: 134.739 ms  
Loss rate: 1.29%  
-- Flow 3:  
Average throughput: 5.99 Mbit/s  
95th percentile per-packet one-way delay: 134.842 ms  
Loss rate: 2.43%

Run 6: Report of PCC-Expr — Data Link

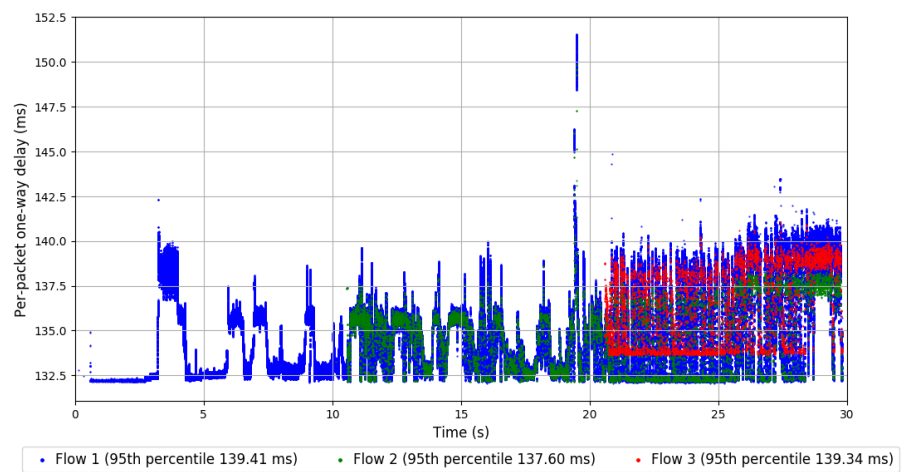
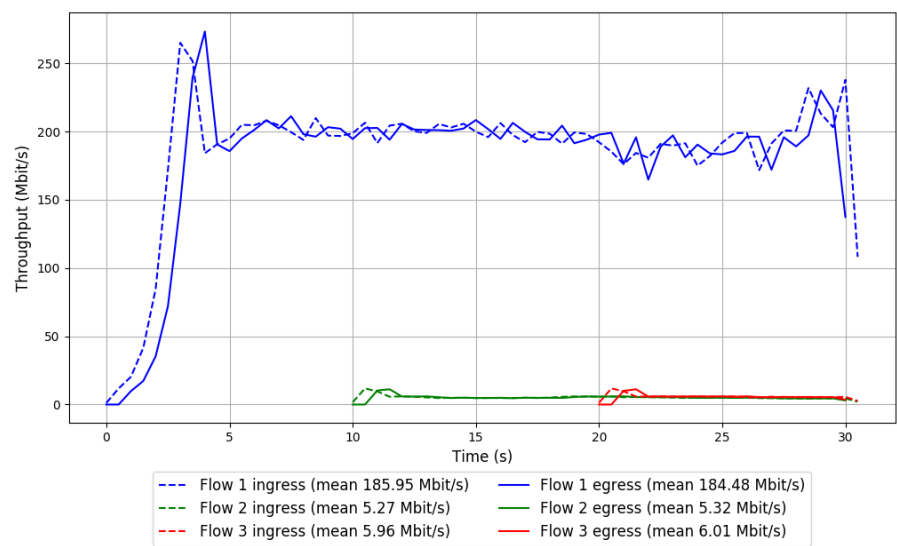


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 22:35:32  
End at: 2018-08-22 22:36:02  
Local clock offset: 4.261 ms  
Remote clock offset: -37.395 ms

# Below is generated by plot.py at 2018-08-23 01:08:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 189.95 Mbit/s  
95th percentile per-packet one-way delay: 139.401 ms  
Loss rate: 4.21%  
-- Flow 1:  
Average throughput: 184.48 Mbit/s  
95th percentile per-packet one-way delay: 139.415 ms  
Loss rate: 4.16%  
-- Flow 2:  
Average throughput: 5.32 Mbit/s  
95th percentile per-packet one-way delay: 137.600 ms  
Loss rate: 4.28%  
-- Flow 3:  
Average throughput: 6.01 Mbit/s  
95th percentile per-packet one-way delay: 139.341 ms  
Loss rate: 9.10%

Run 7: Report of PCC-Expr — Data Link

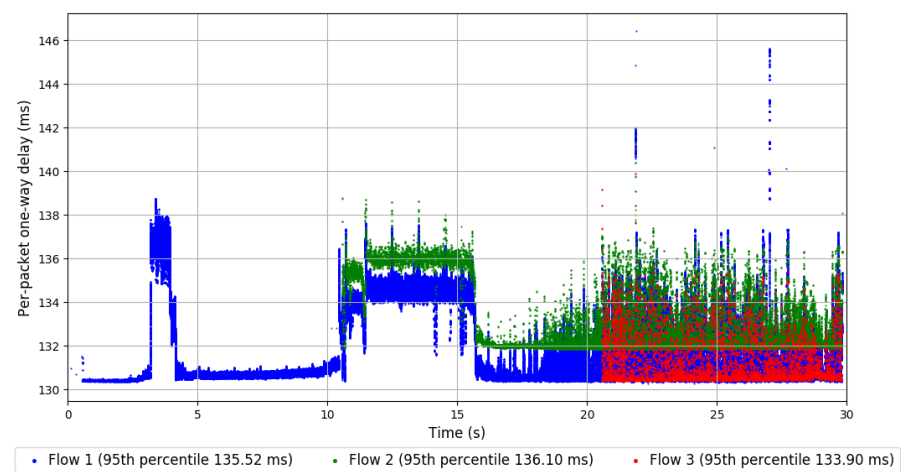
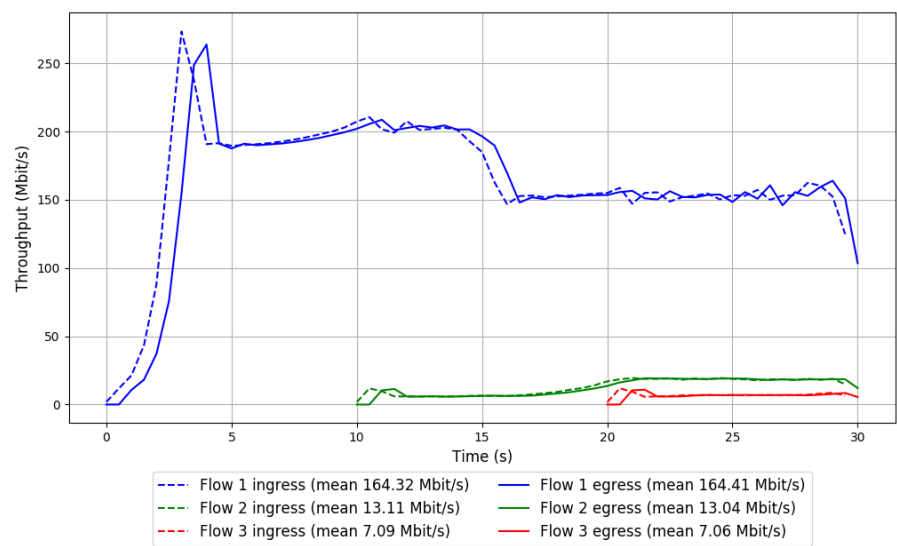


Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 23:17:06  
End at: 2018-08-22 23:17:36  
Local clock offset: 3.839 ms  
Remote clock offset: -35.807 ms

# Below is generated by plot.py at 2018-08-23 01:08:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 175.33 Mbit/s  
95th percentile per-packet one-way delay: 135.725 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 164.41 Mbit/s  
95th percentile per-packet one-way delay: 135.522 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 13.04 Mbit/s  
95th percentile per-packet one-way delay: 136.097 ms  
Loss rate: 1.51%  
-- Flow 3:  
Average throughput: 7.06 Mbit/s  
95th percentile per-packet one-way delay: 133.904 ms  
Loss rate: 2.41%

Run 8: Report of PCC-Expr — Data Link



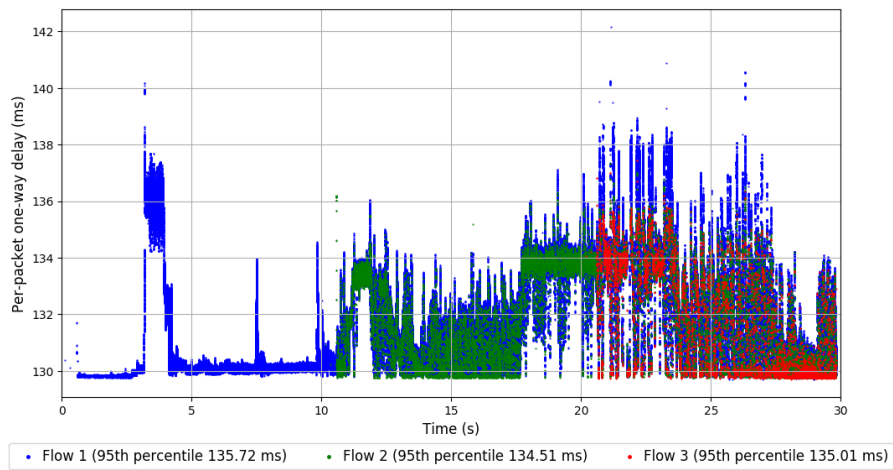
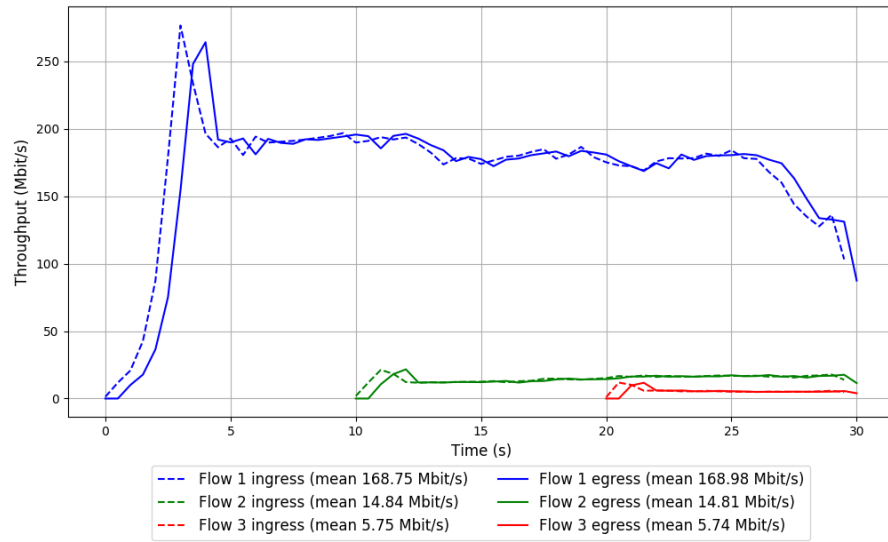
Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 23:47:18  
End at: 2018-08-22 23:47:48  
Local clock offset: 2.142 ms  
Remote clock offset: -36.561 ms

# Below is generated by plot.py at 2018-08-23 01:09:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 180.65 Mbit/s  
95th percentile per-packet one-way delay: 135.639 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 168.98 Mbit/s  
95th percentile per-packet one-way delay: 135.717 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 14.81 Mbit/s  
95th percentile per-packet one-way delay: 134.515 ms  
Loss rate: 1.21%  
-- Flow 3:  
Average throughput: 5.74 Mbit/s  
95th percentile per-packet one-way delay: 135.009 ms  
Loss rate: 2.18%



# Run 9: Report of PCC-Expr — Data Link

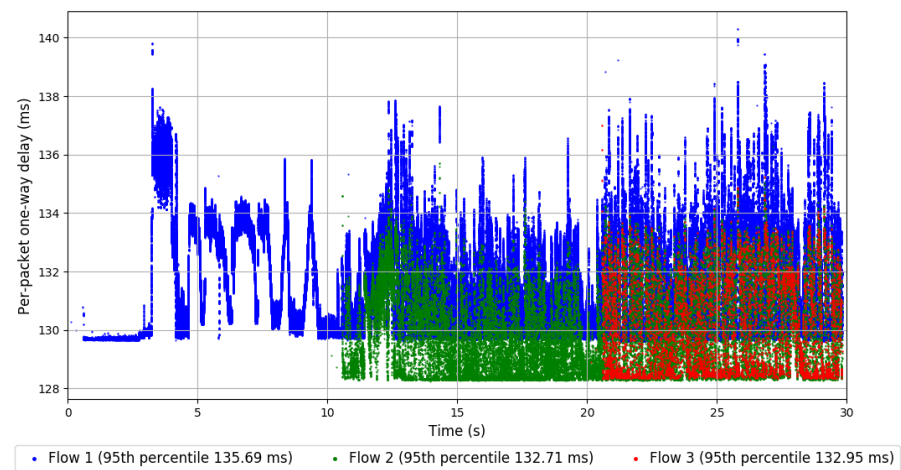
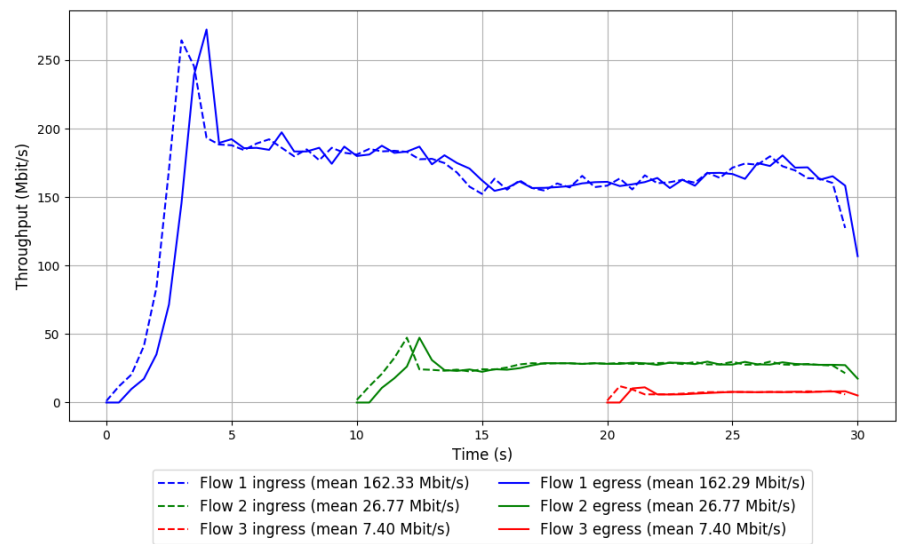


Run 10: Statistics of PCC-Expr

Start at: 2018-08-23 00:27:56  
End at: 2018-08-23 00:28:26  
Local clock offset: 1.037 ms  
Remote clock offset: -35.19 ms

# Below is generated by plot.py at 2018-08-23 01:09:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 182.44 Mbit/s  
95th percentile per-packet one-way delay: 135.525 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 162.29 Mbit/s  
95th percentile per-packet one-way delay: 135.686 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 26.77 Mbit/s  
95th percentile per-packet one-way delay: 132.706 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 7.40 Mbit/s  
95th percentile per-packet one-way delay: 132.948 ms  
Loss rate: 2.07%

Run 10: Report of PCC-Expr — Data Link

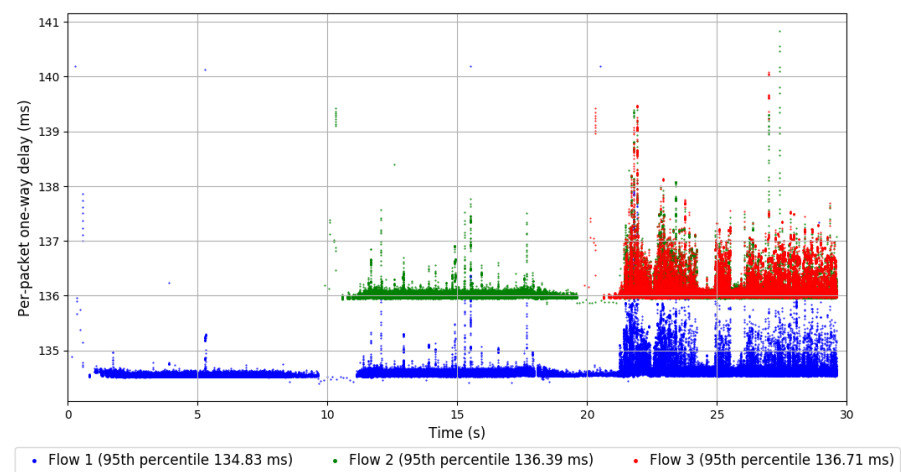
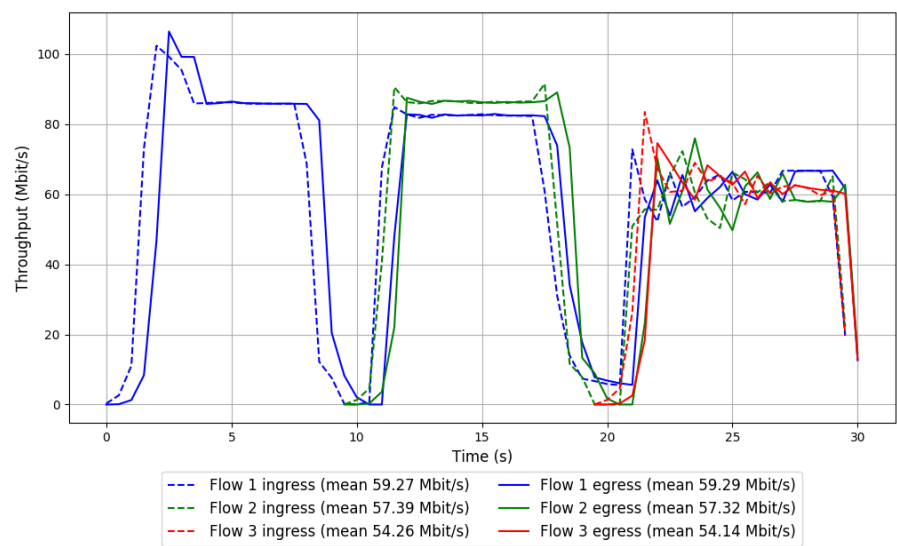


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 19:16:59  
End at: 2018-08-22 19:17:29  
Local clock offset: 2.179 ms  
Remote clock offset: -38.892 ms

# Below is generated by plot.py at 2018-08-23 01:09:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 115.46 Mbit/s  
95th percentile per-packet one-way delay: 136.304 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 59.29 Mbit/s  
95th percentile per-packet one-way delay: 134.830 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 57.32 Mbit/s  
95th percentile per-packet one-way delay: 136.390 ms  
Loss rate: 1.14%  
-- Flow 3:  
Average throughput: 54.14 Mbit/s  
95th percentile per-packet one-way delay: 136.705 ms  
Loss rate: 2.23%

Run 1: Report of QUIC Cubic — Data Link

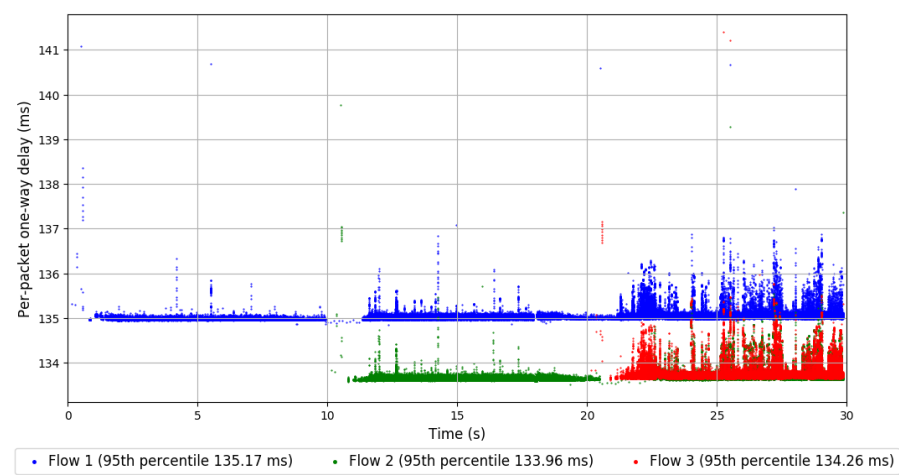
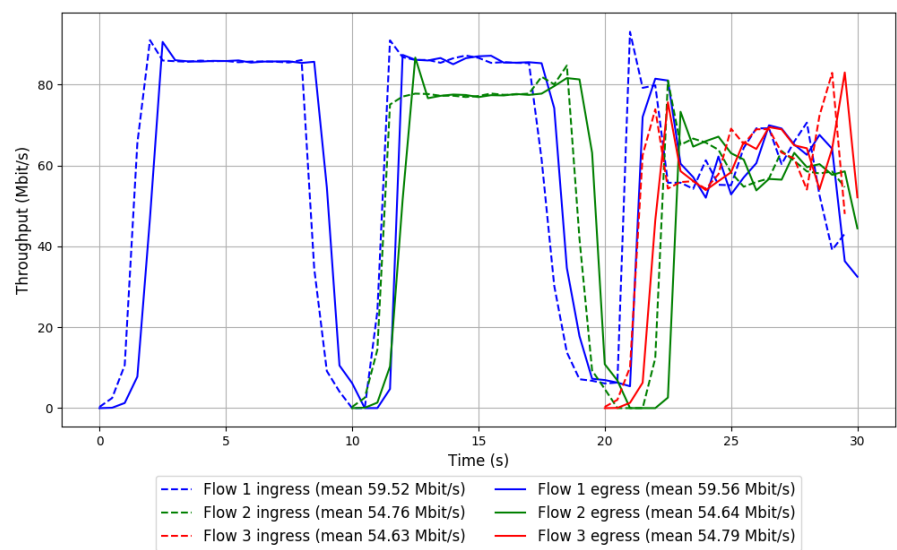


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 19:58:47  
End at: 2018-08-22 19:59:17  
Local clock offset: 0.487 ms  
Remote clock offset: -37.449 ms

# Below is generated by plot.py at 2018-08-23 01:09:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 113.69 Mbit/s  
95th percentile per-packet one-way delay: 135.089 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 59.56 Mbit/s  
95th percentile per-packet one-way delay: 135.166 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 54.64 Mbit/s  
95th percentile per-packet one-way delay: 133.959 ms  
Loss rate: 1.19%  
-- Flow 3:  
Average throughput: 54.79 Mbit/s  
95th percentile per-packet one-way delay: 134.258 ms  
Loss rate: 1.67%

Run 2: Report of QUIC Cubic — Data Link



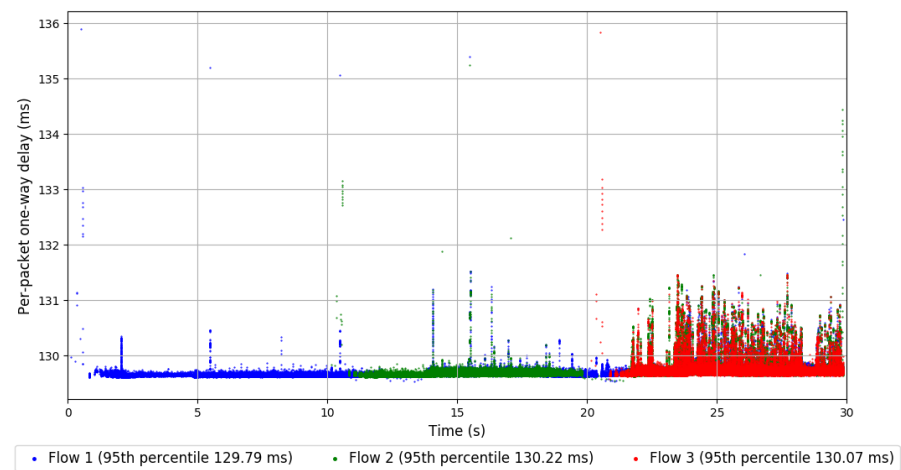
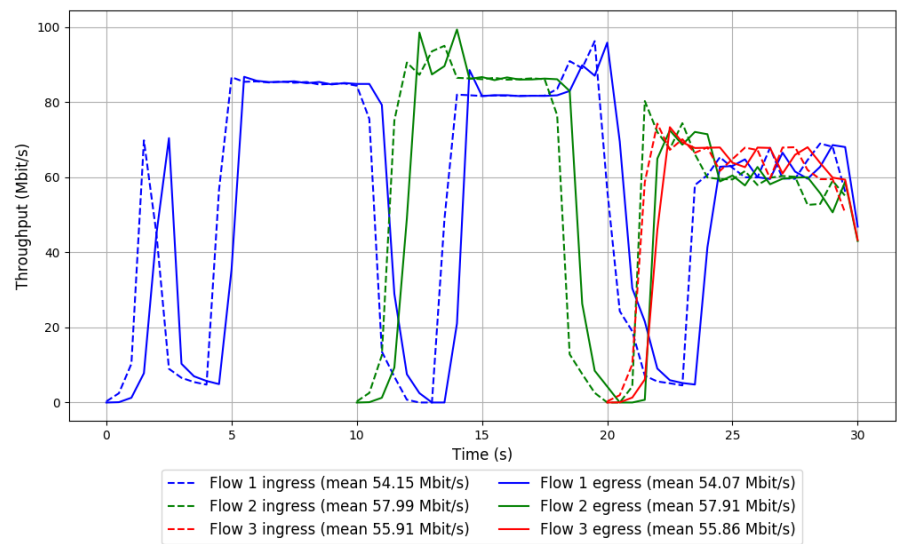
Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 20:28:51  
End at: 2018-08-22 20:29:21  
Local clock offset: -1.679 ms  
Remote clock offset: -33.244 ms

# Below is generated by plot.py at 2018-08-23 01:09:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 110.69 Mbit/s  
95th percentile per-packet one-way delay: 130.004 ms  
Loss rate: 1.15%  
-- Flow 1:  
Average throughput: 54.07 Mbit/s  
95th percentile per-packet one-way delay: 129.788 ms  
Loss rate: 0.83%  
-- Flow 2:  
Average throughput: 57.91 Mbit/s  
95th percentile per-packet one-way delay: 130.224 ms  
Loss rate: 1.17%  
-- Flow 3:  
Average throughput: 55.86 Mbit/s  
95th percentile per-packet one-way delay: 130.066 ms  
Loss rate: 2.05%



Run 3: Report of QUIC Cubic — Data Link

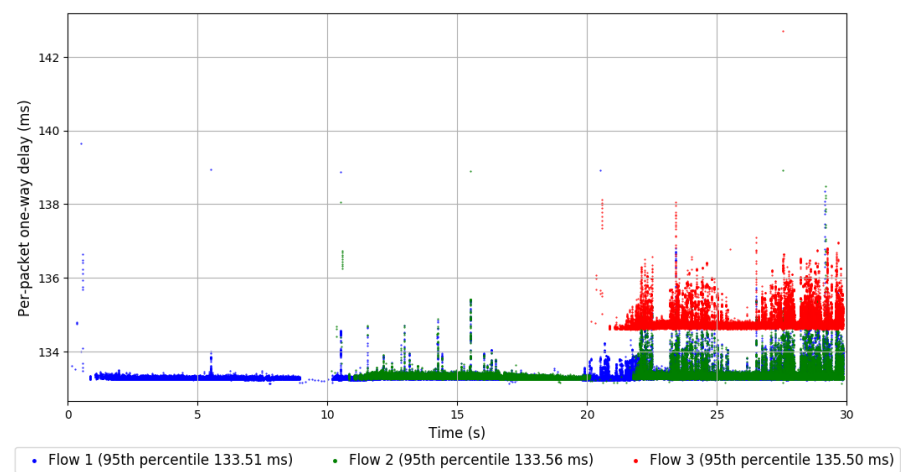
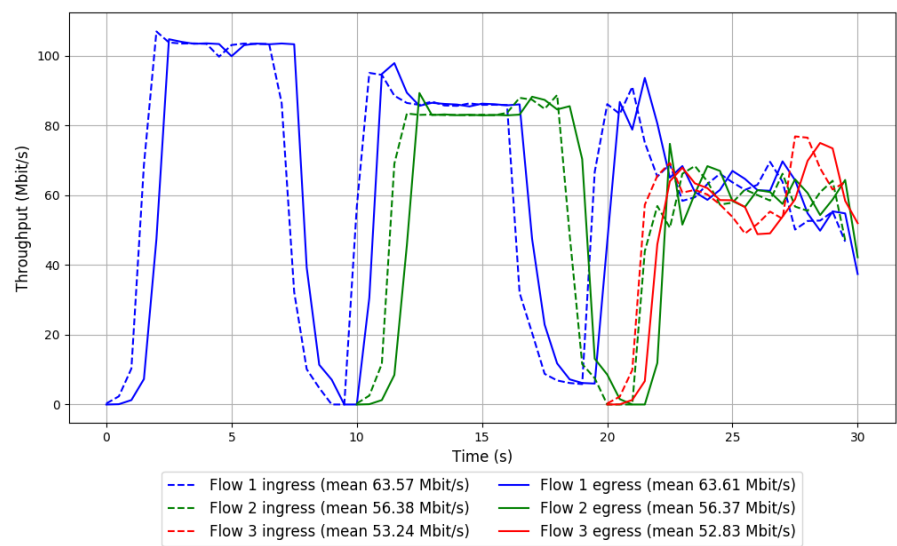


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 20:59:03  
End at: 2018-08-22 20:59:33  
Local clock offset: 0.193 ms  
Remote clock offset: -38.019 ms

# Below is generated by plot.py at 2018-08-23 01:09:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 118.24 Mbit/s  
95th percentile per-packet one-way delay: 134.805 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 63.61 Mbit/s  
95th percentile per-packet one-way delay: 133.512 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 56.37 Mbit/s  
95th percentile per-packet one-way delay: 133.565 ms  
Loss rate: 0.99%  
-- Flow 3:  
Average throughput: 52.83 Mbit/s  
95th percentile per-packet one-way delay: 135.500 ms  
Loss rate: 2.81%

Run 4: Report of QUIC Cubic — Data Link

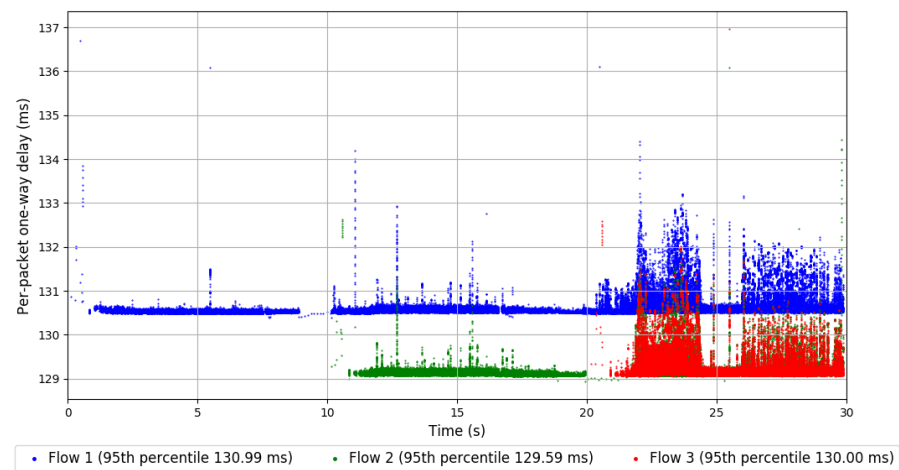
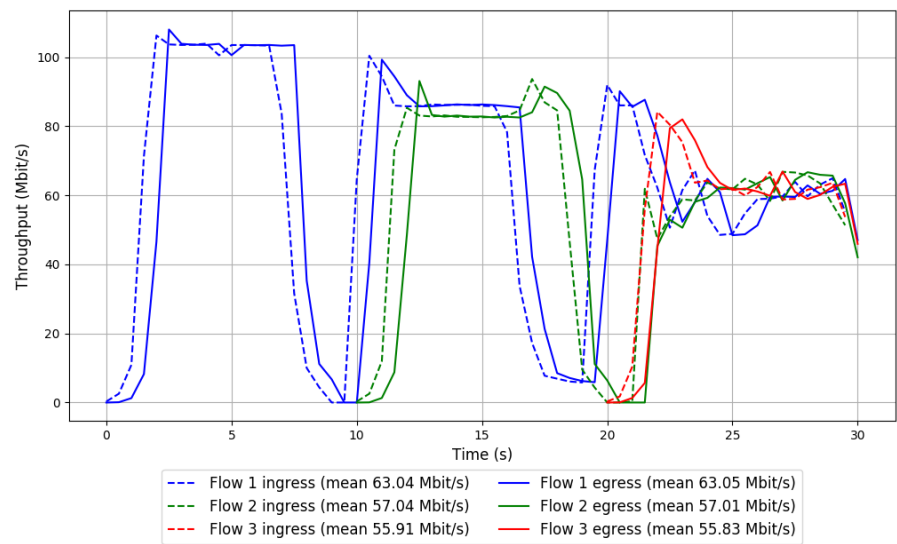


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 21:28:59  
End at: 2018-08-22 21:29:29  
Local clock offset: 2.449 ms  
Remote clock offset: -33.406 ms

# Below is generated by plot.py at 2018-08-23 01:09:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 119.08 Mbit/s  
95th percentile per-packet one-way delay: 130.741 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 63.05 Mbit/s  
95th percentile per-packet one-way delay: 130.987 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 57.01 Mbit/s  
95th percentile per-packet one-way delay: 129.588 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 55.83 Mbit/s  
95th percentile per-packet one-way delay: 129.997 ms  
Loss rate: 2.22%

Run 5: Report of QUIC Cubic — Data Link

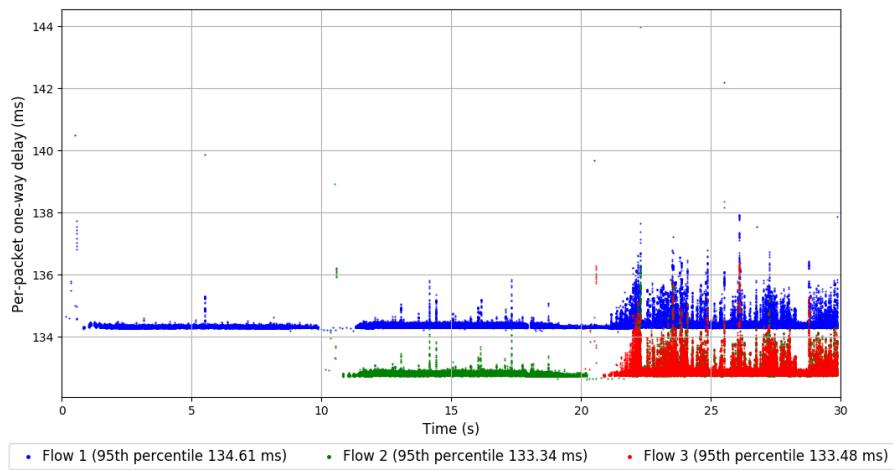
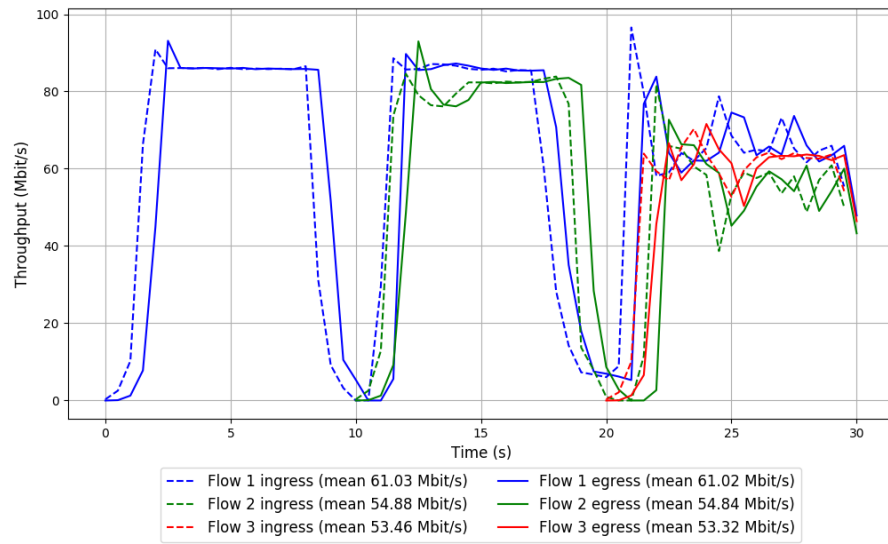


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 21:58:37  
End at: 2018-08-22 21:59:07  
Local clock offset: 1.61 ms  
Remote clock offset: -39.305 ms

# Below is generated by plot.py at 2018-08-23 01:09:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 114.80 Mbit/s  
95th percentile per-packet one-way delay: 134.437 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 61.02 Mbit/s  
95th percentile per-packet one-way delay: 134.614 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 54.84 Mbit/s  
95th percentile per-packet one-way delay: 133.340 ms  
Loss rate: 1.08%  
-- Flow 3:  
Average throughput: 53.32 Mbit/s  
95th percentile per-packet one-way delay: 133.482 ms  
Loss rate: 2.33%

## Run 6: Report of QUIC Cubic — Data Link



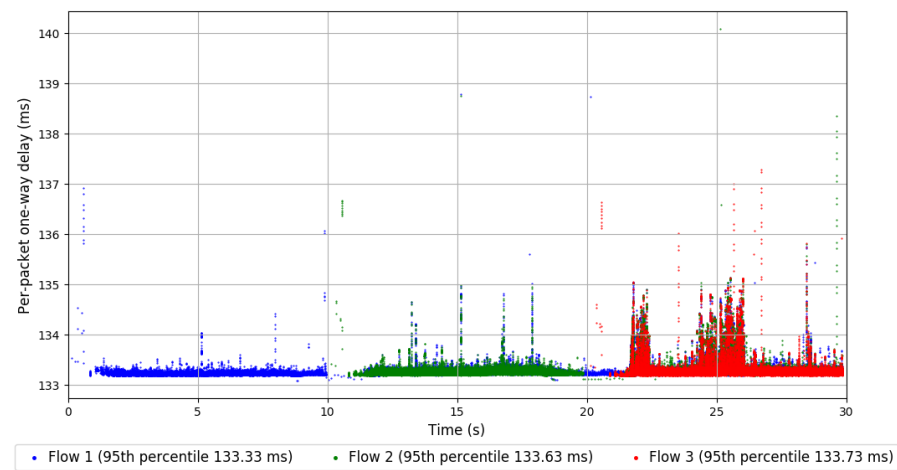
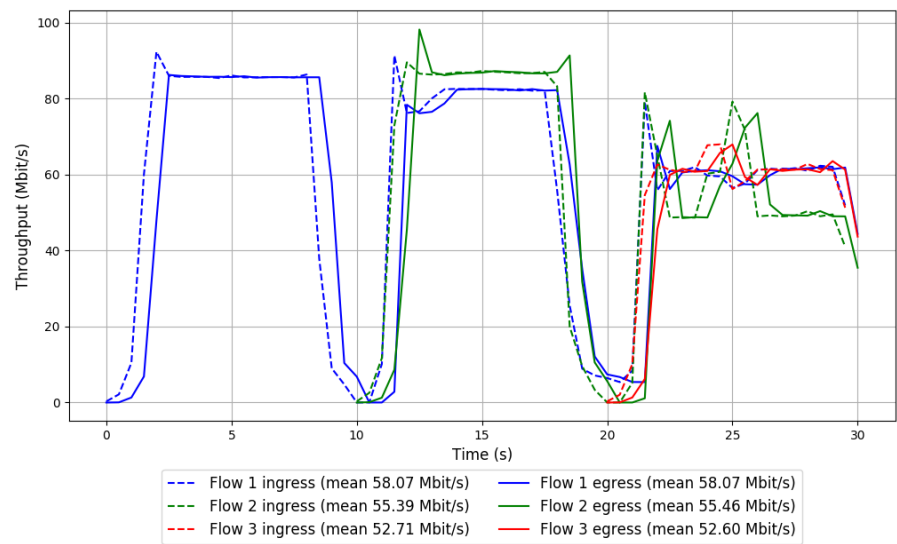
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 22:28:38  
End at: 2018-08-22 22:29:08  
Local clock offset: 4.35 ms  
Remote clock offset: -36.748 ms

# Below is generated by plot.py at 2018-08-23 01:09:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 112.02 Mbit/s  
95th percentile per-packet one-way delay: 133.492 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 58.07 Mbit/s  
95th percentile per-packet one-way delay: 133.330 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 55.46 Mbit/s  
95th percentile per-packet one-way delay: 133.633 ms  
Loss rate: 0.87%  
-- Flow 3:  
Average throughput: 52.60 Mbit/s  
95th percentile per-packet one-way delay: 133.730 ms  
Loss rate: 2.28%



Run 7: Report of QUIC Cubic — Data Link

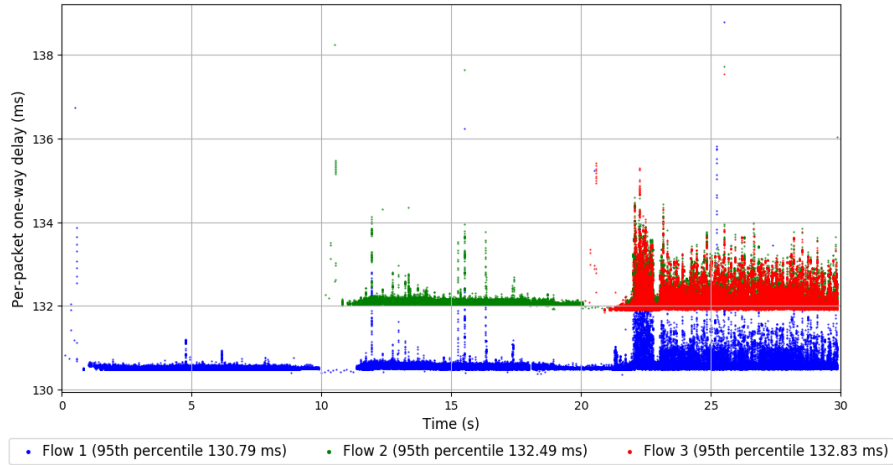
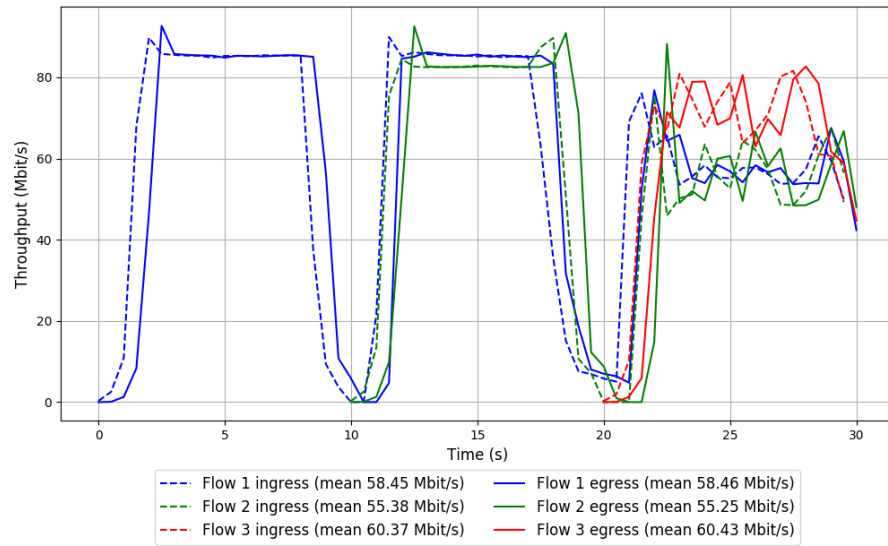


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 23:10:13  
End at: 2018-08-22 23:10:43  
Local clock offset: 2.523 ms  
Remote clock offset: -37.345 ms

# Below is generated by plot.py at 2018-08-23 01:09:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 114.83 Mbit/s  
95th percentile per-packet one-way delay: 132.421 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 58.46 Mbit/s  
95th percentile per-packet one-way delay: 130.787 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 55.25 Mbit/s  
95th percentile per-packet one-way delay: 132.489 ms  
Loss rate: 1.20%  
-- Flow 3:  
Average throughput: 60.43 Mbit/s  
95th percentile per-packet one-way delay: 132.832 ms  
Loss rate: 1.89%

# Run 8: Report of QUIC Cubic — Data Link

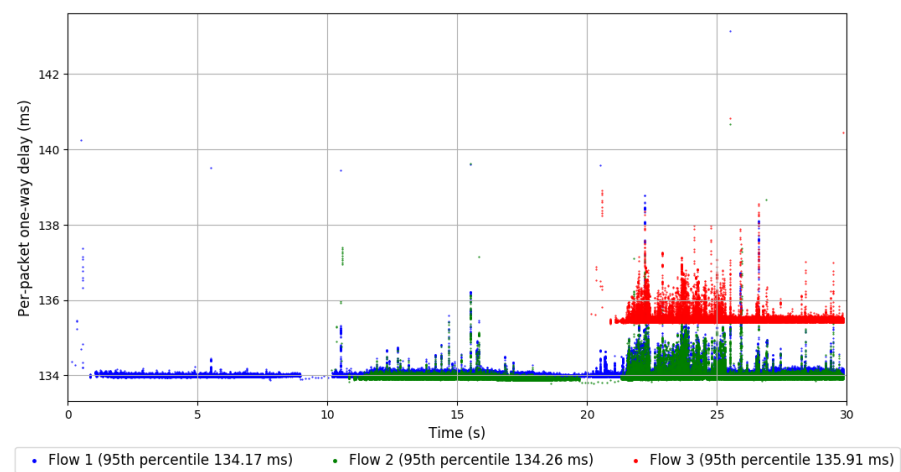
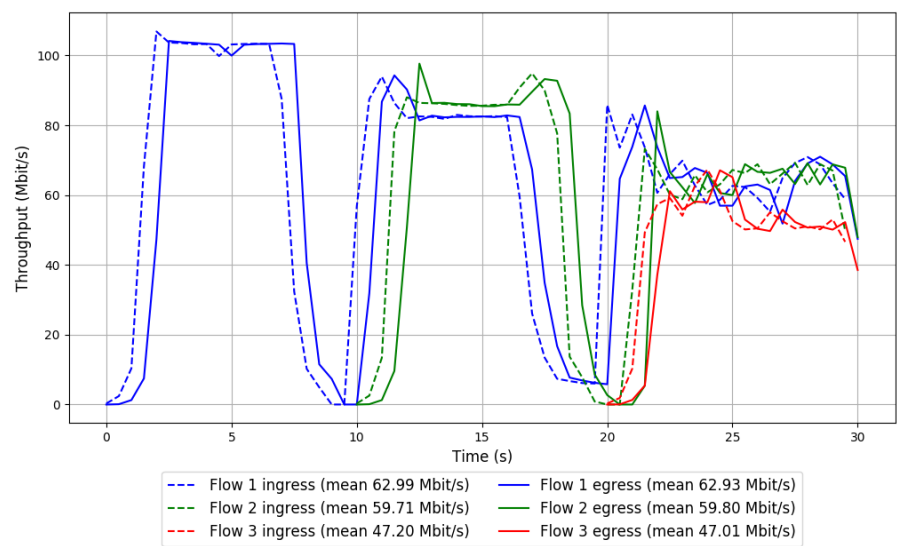


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 23:40:24  
End at: 2018-08-22 23:40:54  
Local clock offset: 4.073 ms  
Remote clock offset: -38.997 ms

# Below is generated by plot.py at 2018-08-23 01:09:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 117.94 Mbit/s  
95th percentile per-packet one-way delay: 135.489 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 62.93 Mbit/s  
95th percentile per-packet one-way delay: 134.174 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 59.80 Mbit/s  
95th percentile per-packet one-way delay: 134.265 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 47.01 Mbit/s  
95th percentile per-packet one-way delay: 135.909 ms  
Loss rate: 2.42%

Run 9: Report of QUIC Cubic — Data Link

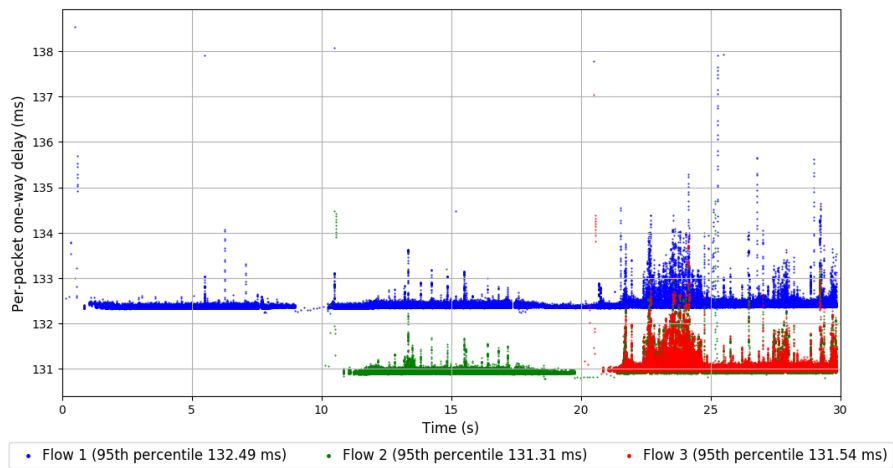
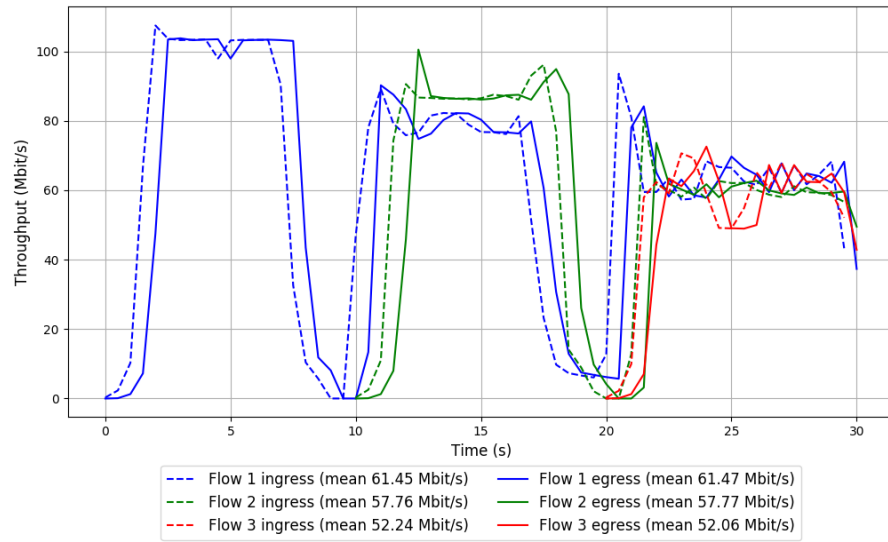


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-23 00:15:52  
End at: 2018-08-23 00:16:22  
Local clock offset: 3.26 ms  
Remote clock offset: -35.847 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 116.80 Mbit/s  
95th percentile per-packet one-way delay: 132.457 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 61.47 Mbit/s  
95th percentile per-packet one-way delay: 132.487 ms  
Loss rate: 0.65%  
-- Flow 2:  
Average throughput: 57.77 Mbit/s  
95th percentile per-packet one-way delay: 131.314 ms  
Loss rate: 0.94%  
-- Flow 3:  
Average throughput: 52.06 Mbit/s  
95th percentile per-packet one-way delay: 131.537 ms  
Loss rate: 2.40%

# Run 10: Report of QUIC Cubic — Data Link



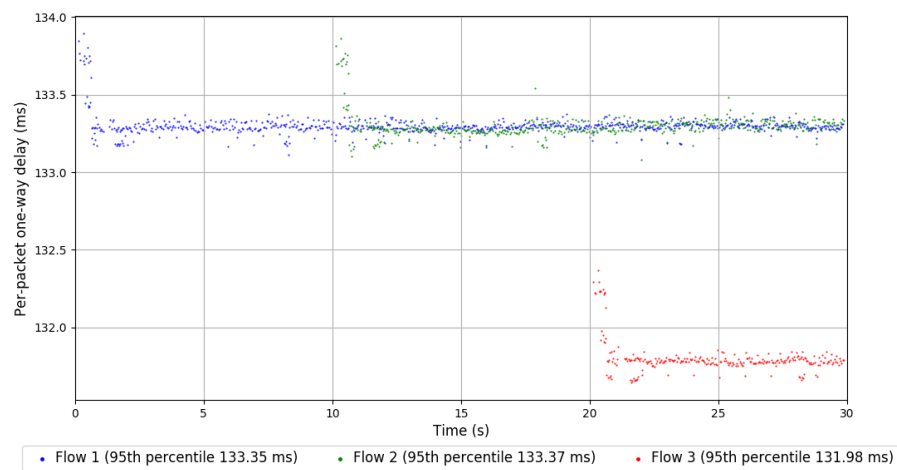
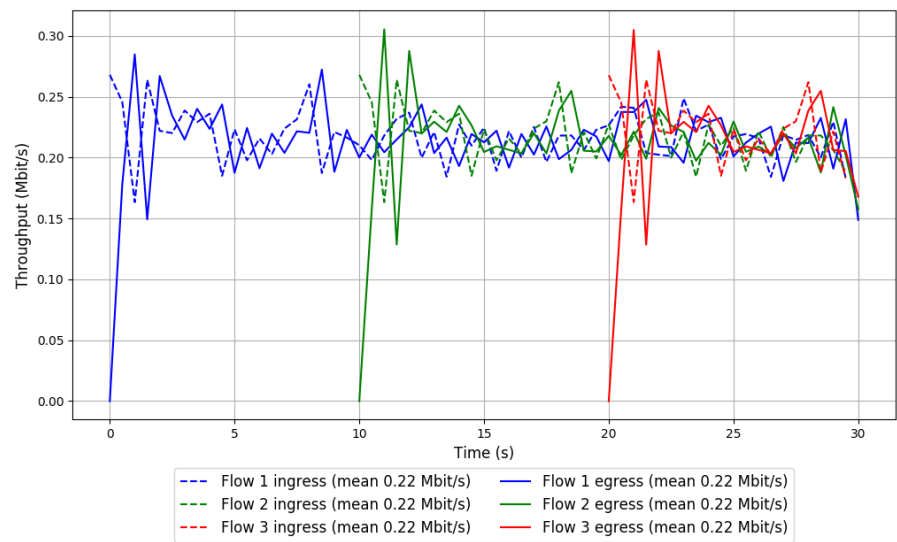
```
Run 1: Statistics of SReAM

Start at: 2018-08-22 19:05:31
End at: 2018-08-22 19:06:01
Local clock offset: 0.115 ms
Remote clock offset: -37.931 ms

# Below is generated by plot.py at 2018-08-23 01:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 133.351 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.353 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.371 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.976 ms
Loss rate: 1.84%
```



Run 1: Report of SCSReAM — Data Link

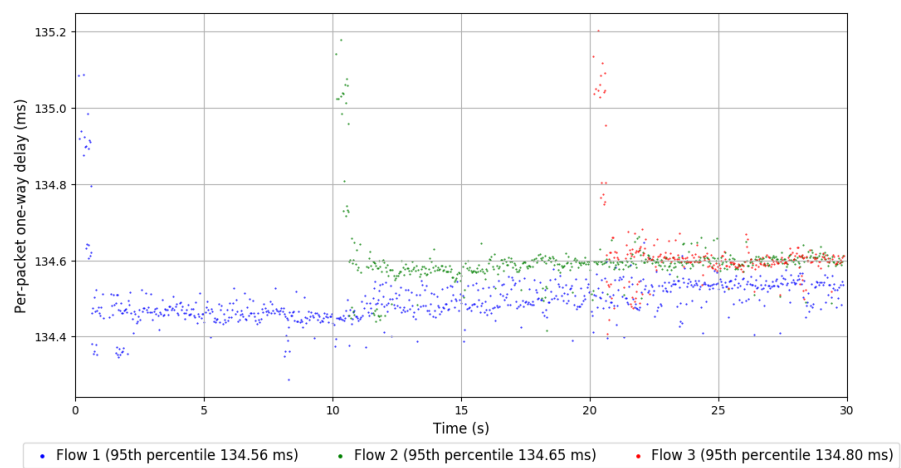
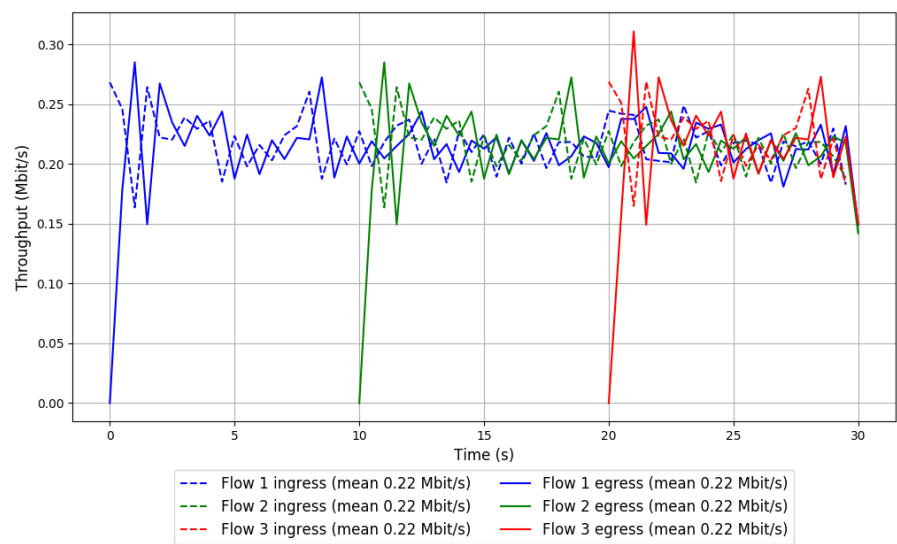


Run 2: Statistics of SReAM

Start at: 2018-08-22 19:41:44  
End at: 2018-08-22 19:42:14  
Local clock offset: 0.112 ms  
Remote clock offset: -38.519 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 134.643 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 134.561 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 134.650 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 134.804 ms  
Loss rate: 1.83%

Run 2: Report of SReAM — Data Link

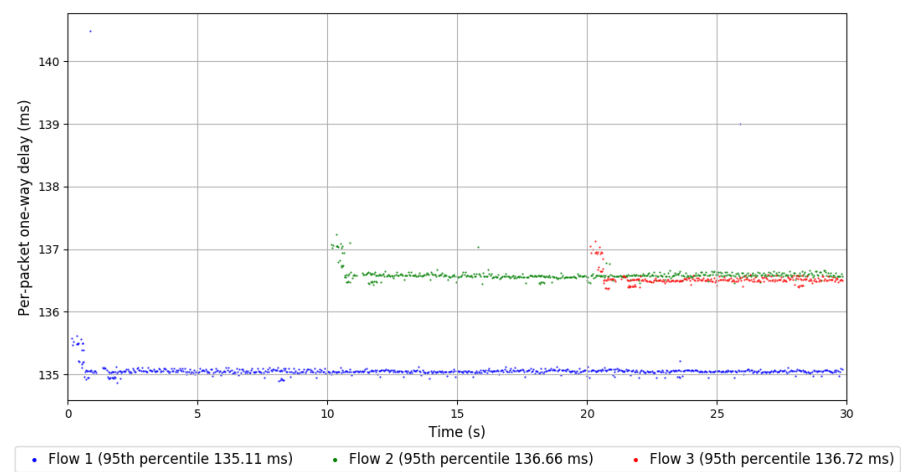
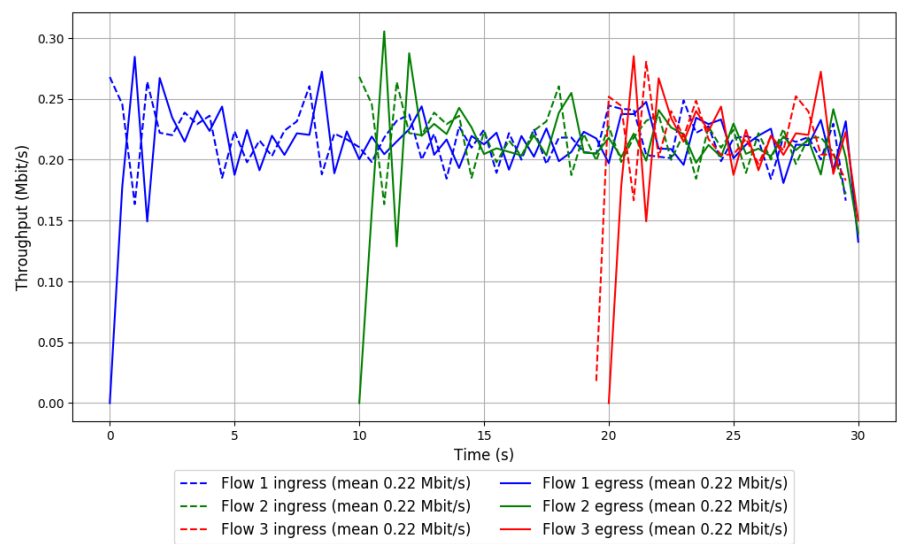


Run 3: Statistics of SReAM

Start at: 2018-08-22 20:17:23  
End at: 2018-08-22 20:17:53  
Local clock offset: 1.324 ms  
Remote clock offset: -37.417 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 136.633 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.107 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.660 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.716 ms  
Loss rate: 1.84%

Run 3: Report of SReAM — Data Link

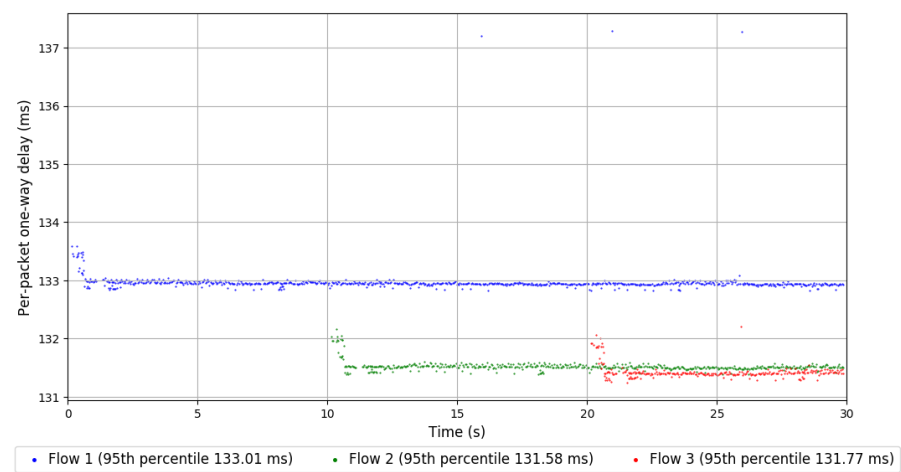
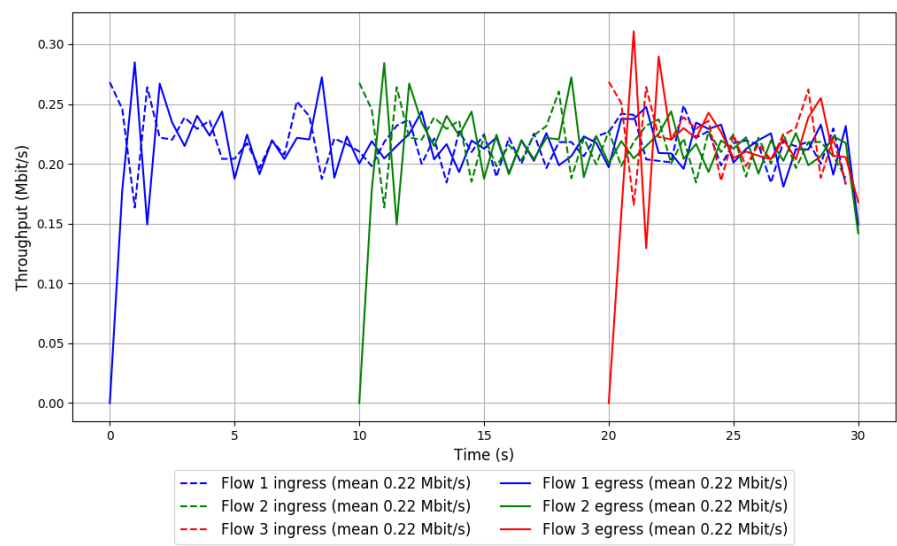


Run 4: Statistics of SReAM

Start at: 2018-08-22 20:47:31  
End at: 2018-08-22 20:48:01  
Local clock offset: -1.761 ms  
Remote clock offset: -37.657 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 132.992 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 133.012 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 131.583 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 131.766 ms  
Loss rate: 1.83%

Run 4: Report of SReAM — Data Link



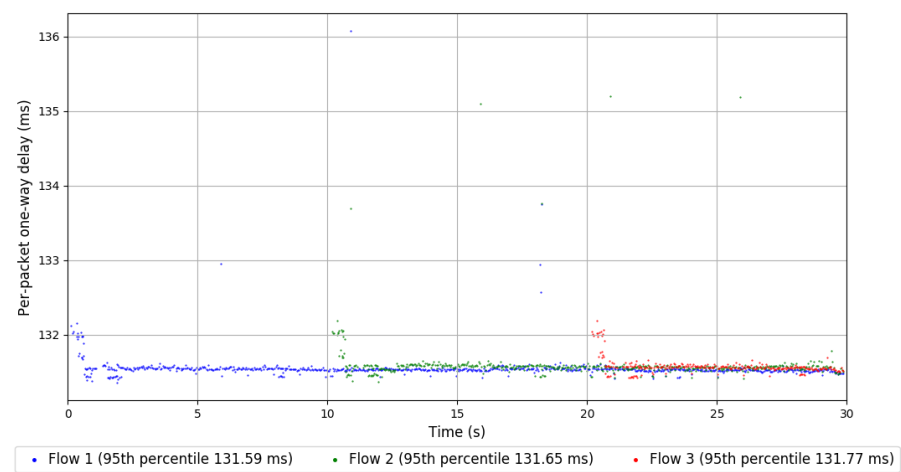
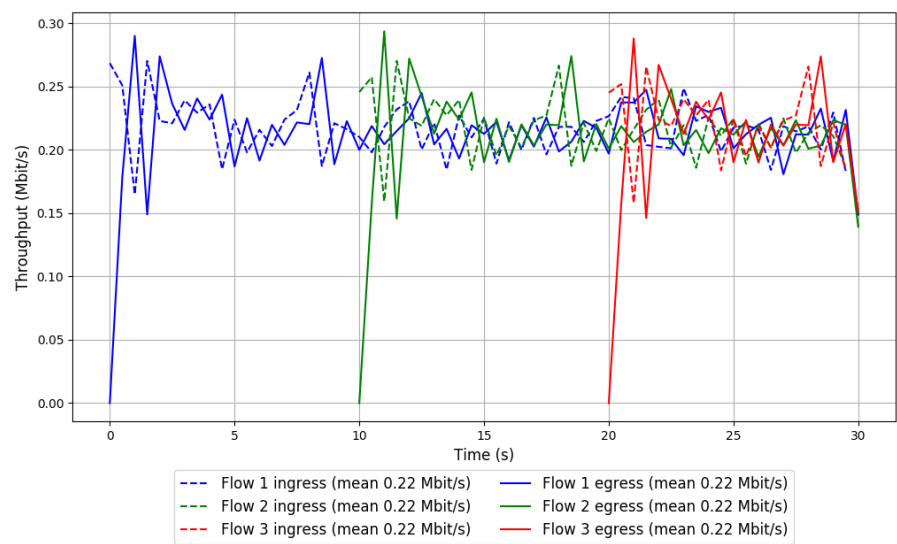
Run 5: Statistics of SReAM

Start at: 2018-08-22 21:17:37  
End at: 2018-08-22 21:18:07  
Local clock offset: 2.067 ms  
Remote clock offset: -34.141 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 131.641 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 131.591 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 131.648 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 131.766 ms  
Loss rate: 1.86%



Run 5: Report of SReAM — Data Link

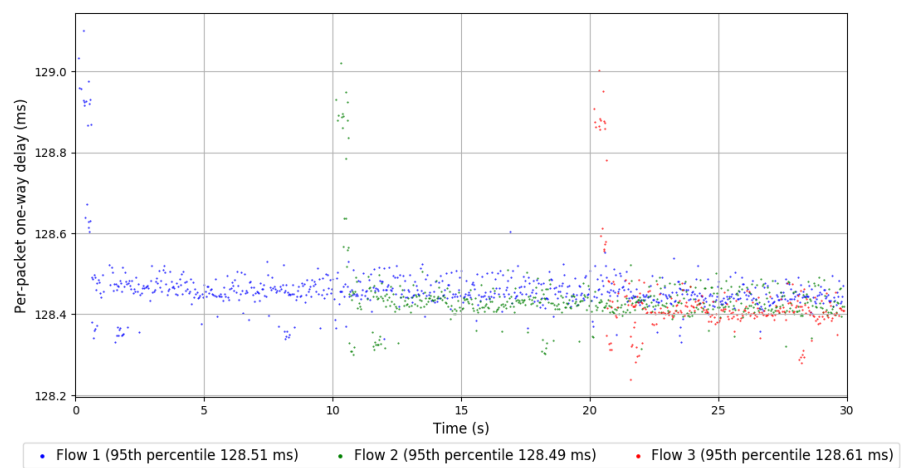
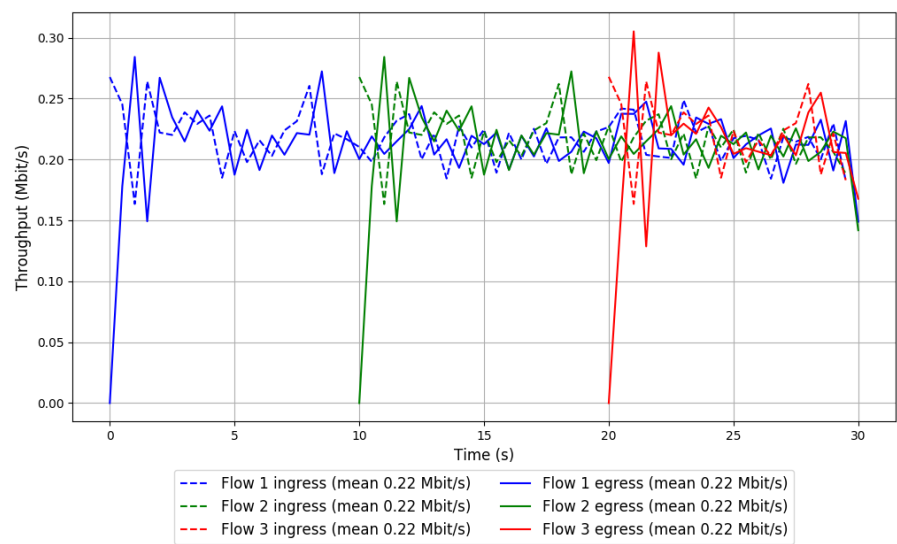


Run 6: Statistics of SReAM

Start at: 2018-08-22 21:47:14  
End at: 2018-08-22 21:47:44  
Local clock offset: 1.424 ms  
Remote clock offset: -34.702 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 128.514 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.515 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.491 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.613 ms  
Loss rate: 1.84%

Run 6: Report of SReAM — Data Link

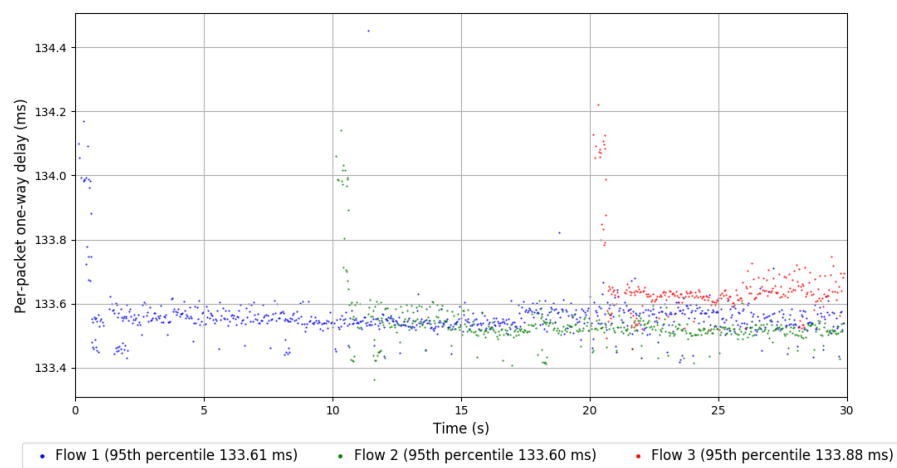
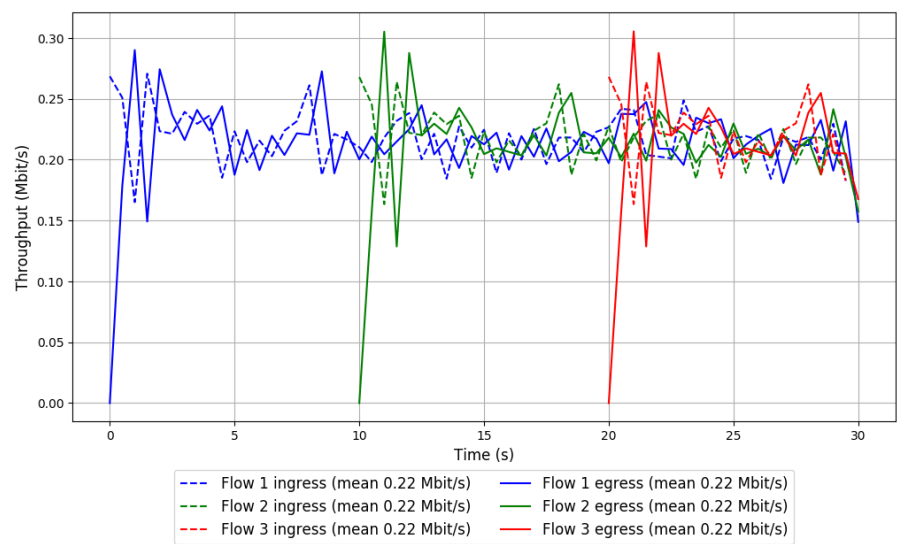


Run 7: Statistics of SReAM

Start at: 2018-08-22 22:17:09  
End at: 2018-08-22 22:17:39  
Local clock offset: 2.069 ms  
Remote clock offset: -38.944 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 133.680 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 133.614 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 133.603 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 133.877 ms  
Loss rate: 1.83%

Run 7: Report of SReAM — Data Link

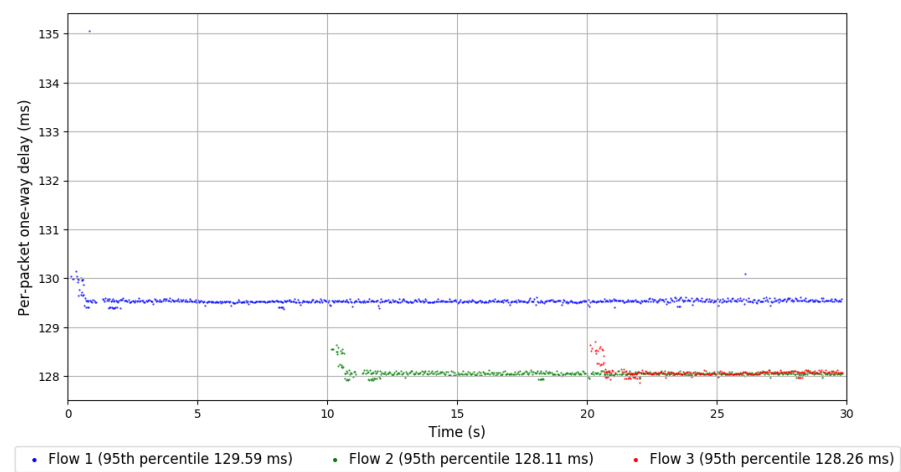
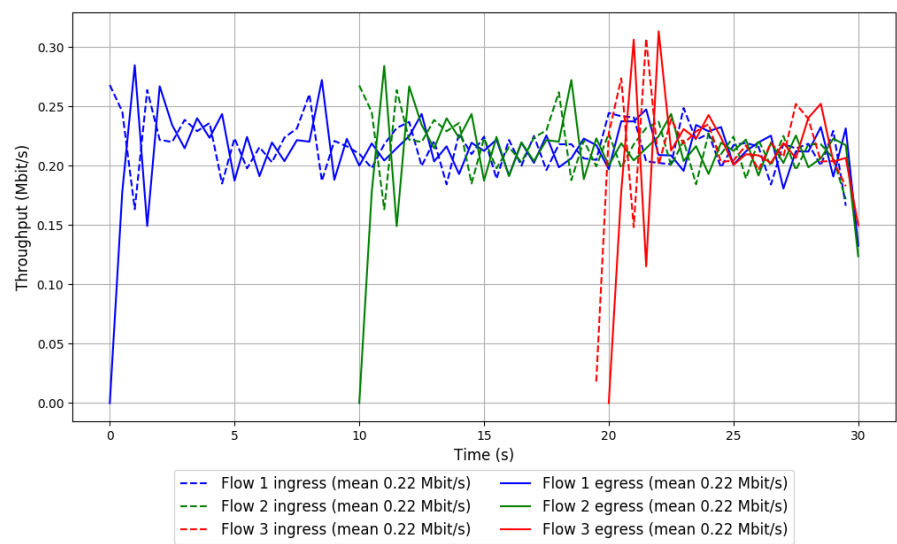


Run 8: Statistics of SReAM

Start at: 2018-08-22 22:47:25  
End at: 2018-08-22 22:47:55  
Local clock offset: 1.979 ms  
Remote clock offset: -34.999 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 129.577 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 129.593 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.111 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.259 ms  
Loss rate: 1.83%

Run 8: Report of SCSReAM — Data Link



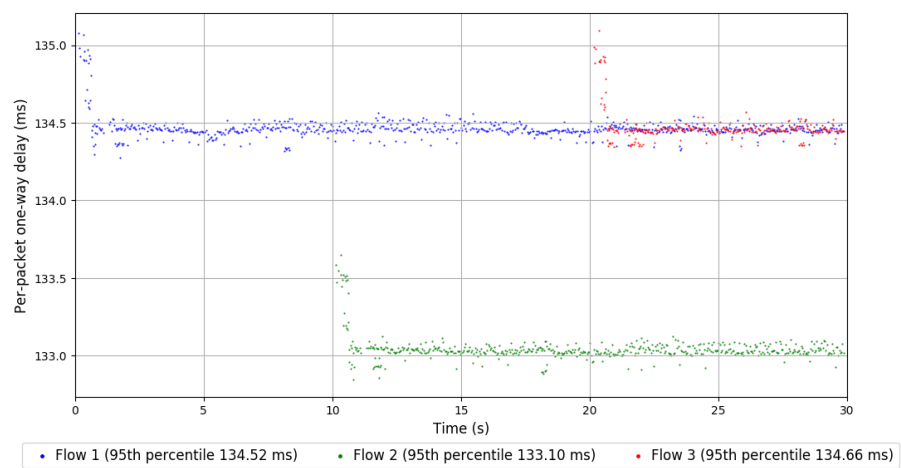
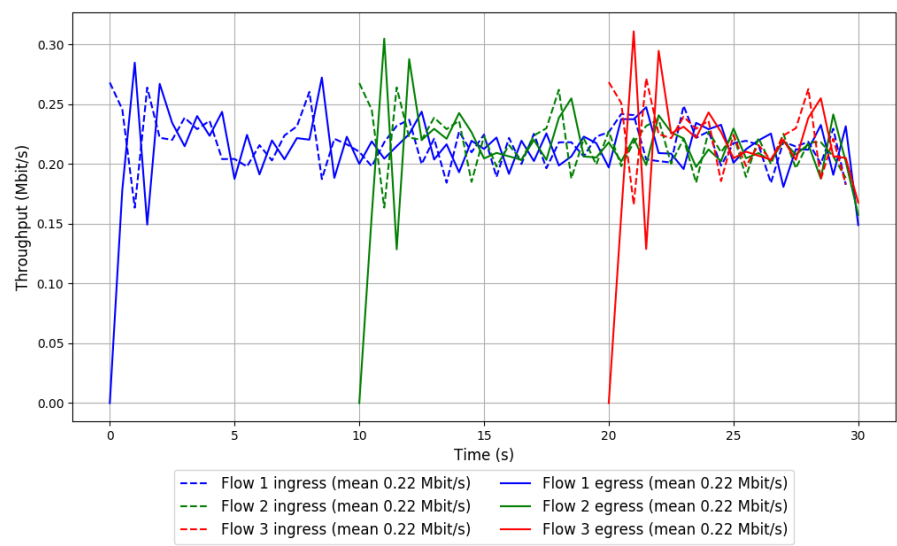
Run 9: Statistics of SReAM

Start at: 2018-08-22 23:23:19  
End at: 2018-08-22 23:23:49  
Local clock offset: 1.792 ms  
Remote clock offset: -40.325 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 134.516 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 134.522 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 133.098 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 134.658 ms  
Loss rate: 1.82%



Run 9: Report of SReAM — Data Link

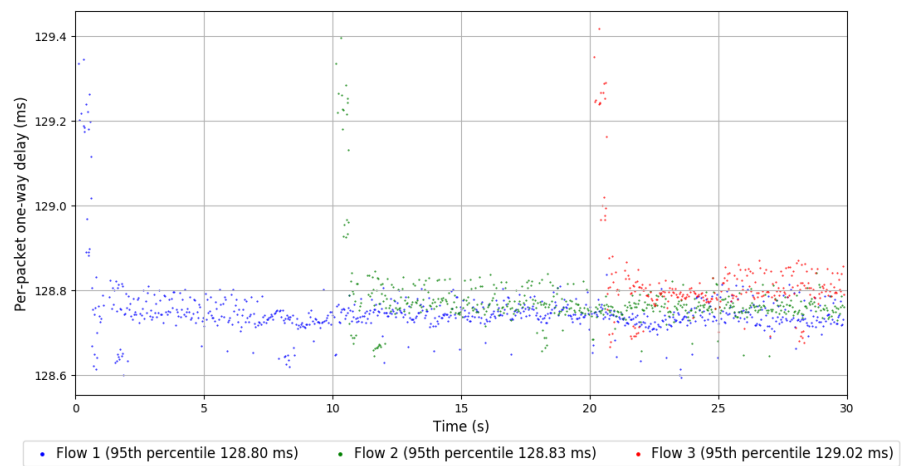
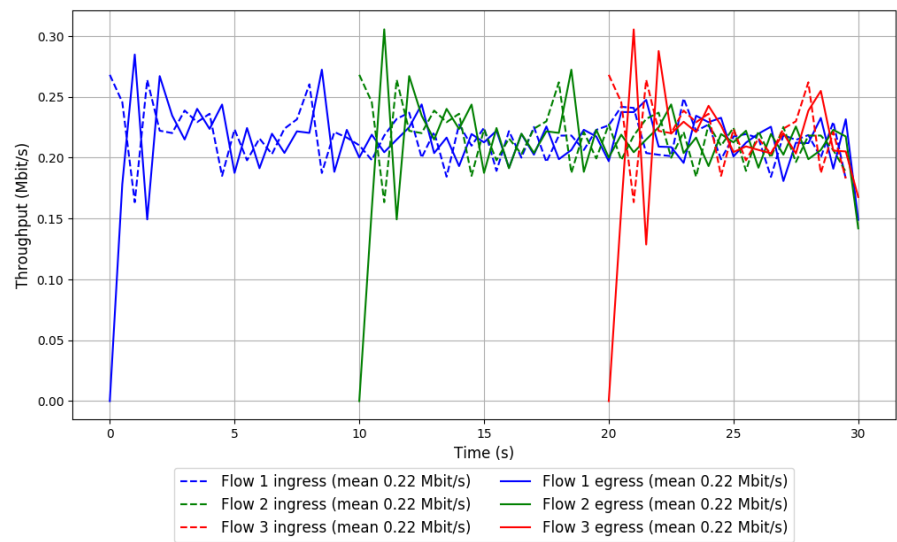


Run 10: Statistics of SReAM

Start at: 2018-08-22 23:58:51  
End at: 2018-08-22 23:59:21  
Local clock offset: 3.185 ms  
Remote clock offset: -32.924 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 128.848 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.803 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.831 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 129.020 ms  
Loss rate: 1.83%

Run 10: Report of SReAM — Data Link

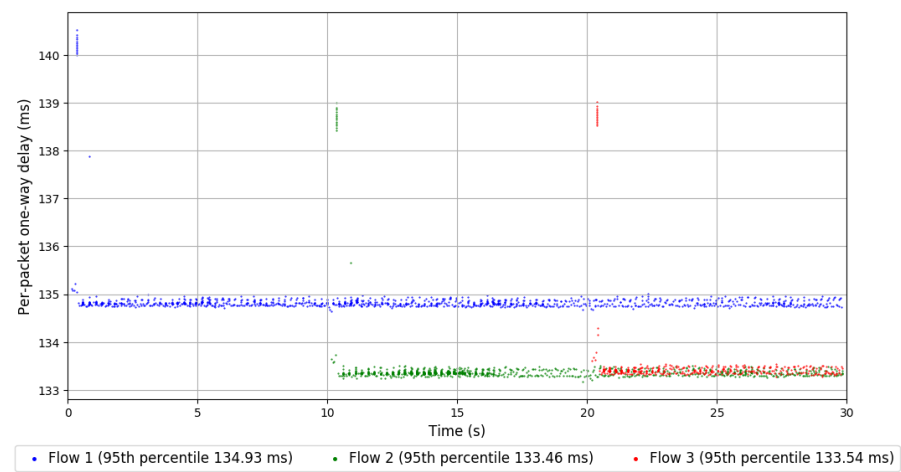
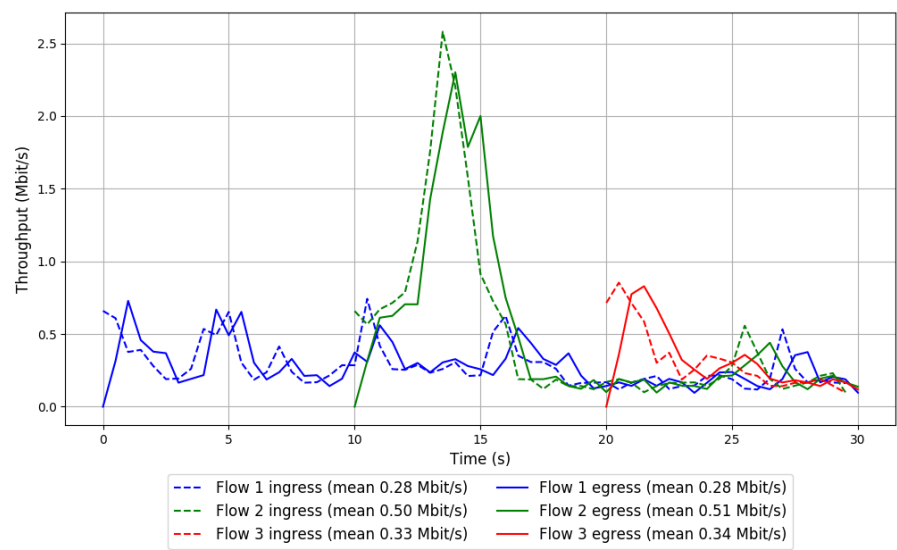


Run 1: Statistics of Sprout

Start at: 2018-08-22 19:18:22  
End at: 2018-08-22 19:18:52  
Local clock offset: 1.007 ms  
Remote clock offset: -38.895 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.73 Mbit/s  
95th percentile per-packet one-way delay: 134.904 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 0.28 Mbit/s  
95th percentile per-packet one-way delay: 134.933 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 0.51 Mbit/s  
95th percentile per-packet one-way delay: 133.462 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 0.34 Mbit/s  
95th percentile per-packet one-way delay: 133.536 ms  
Loss rate: 0.12%

Run 1: Report of Sprout — Data Link

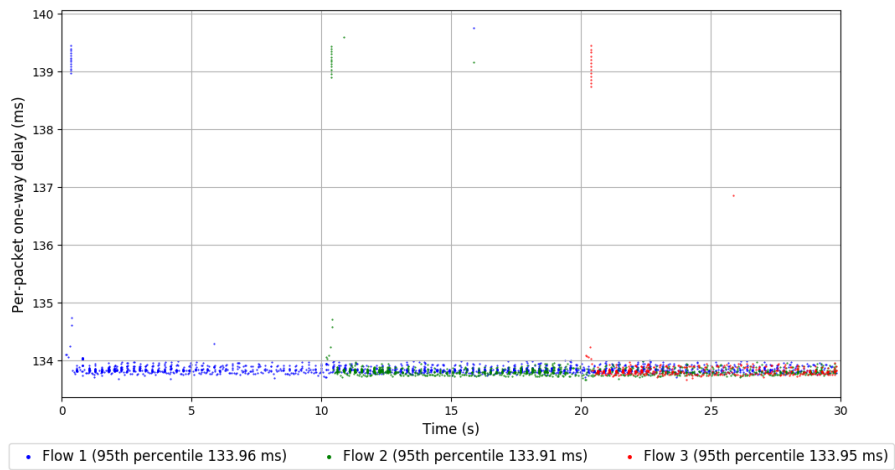
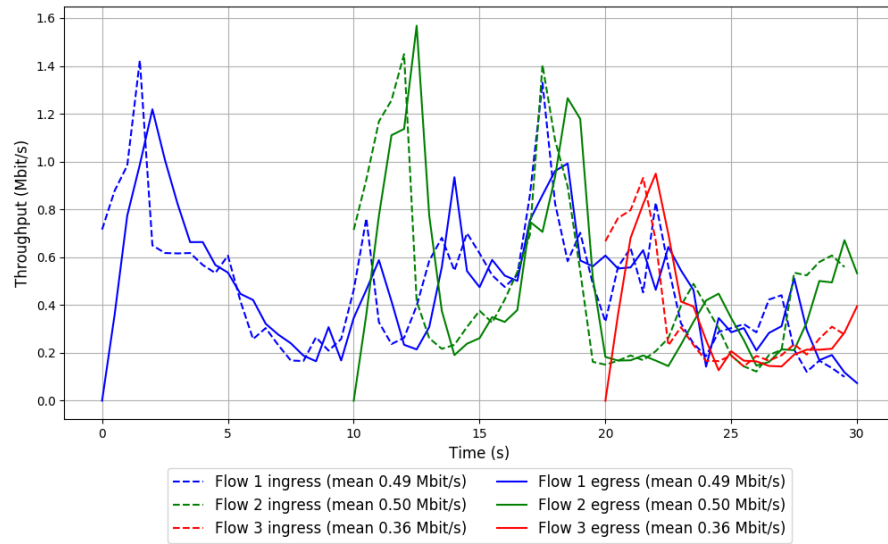


Run 2: Statistics of Sprout

Start at: 2018-08-22 20:00:10  
End at: 2018-08-22 20:00:40  
Local clock offset: 1.442 ms  
Remote clock offset: -35.209 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.94 Mbit/s  
95th percentile per-packet one-way delay: 133.944 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 0.49 Mbit/s  
95th percentile per-packet one-way delay: 133.955 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 0.50 Mbit/s  
95th percentile per-packet one-way delay: 133.909 ms  
Loss rate: 1.44%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 133.947 ms  
Loss rate: 0.59%

## Run 2: Report of Sprout — Data Link



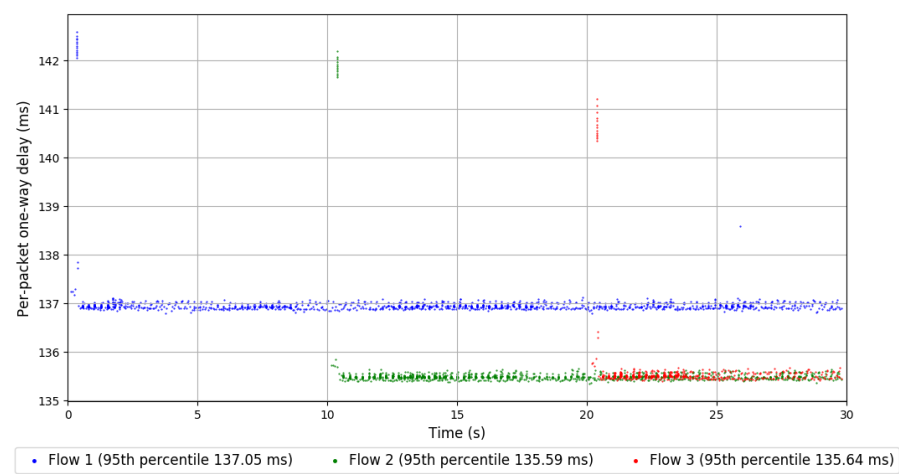
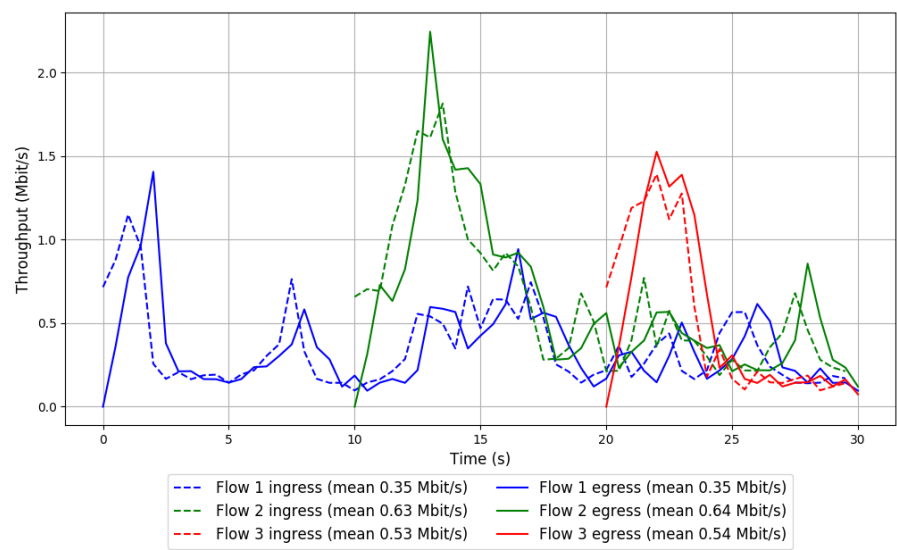
### Run 3: Statistics of Sprout

Start at: 2018-08-22 20:30:13  
End at: 2018-08-22 20:30:43  
Local clock offset: -0.833 ms  
Remote clock offset: -39.592 ms

```
# Below is generated by plot.py at 2018-08-23 01:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 137.030 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 137.052 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 135.588 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 135.644 ms
Loss rate: 0.67%
```



Run 3: Report of Sprout — Data Link

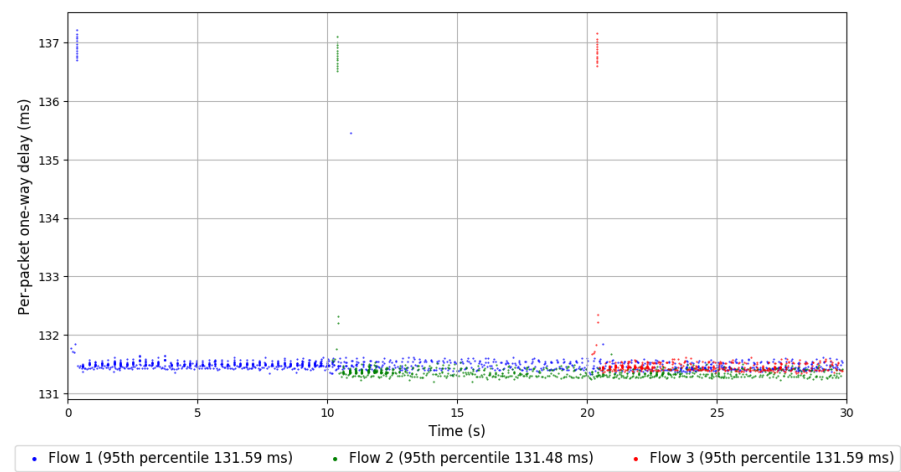
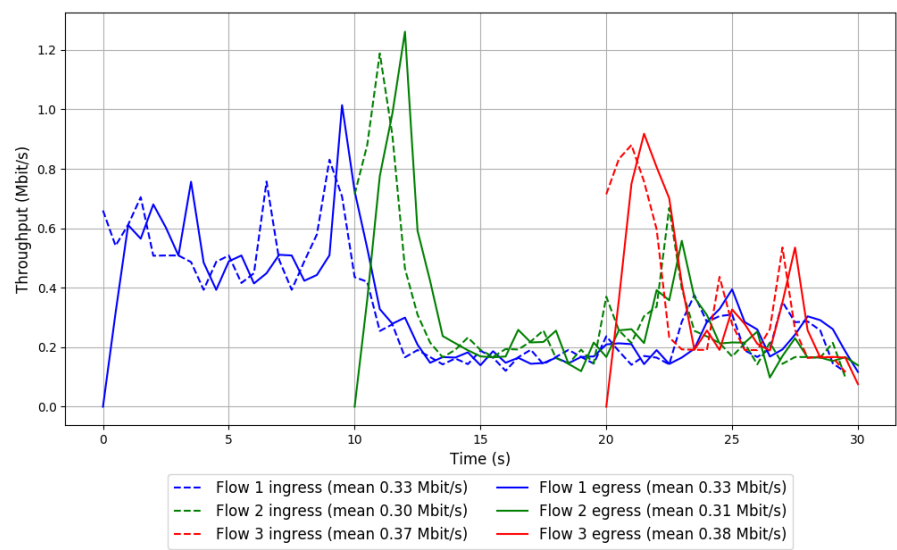


#### Run 4: Statistics of Sprout

Start at: 2018-08-22 21:00:26  
End at: 2018-08-22 21:00:56  
Local clock offset: 0.378 ms  
Remote clock offset: -36.061 ms

```
# Below is generated by plot.py at 2018-08-23 01:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 131.575 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 131.588 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 131.476 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 131.591 ms
Loss rate: 0.61%
```

Run 4: Report of Sprout — Data Link

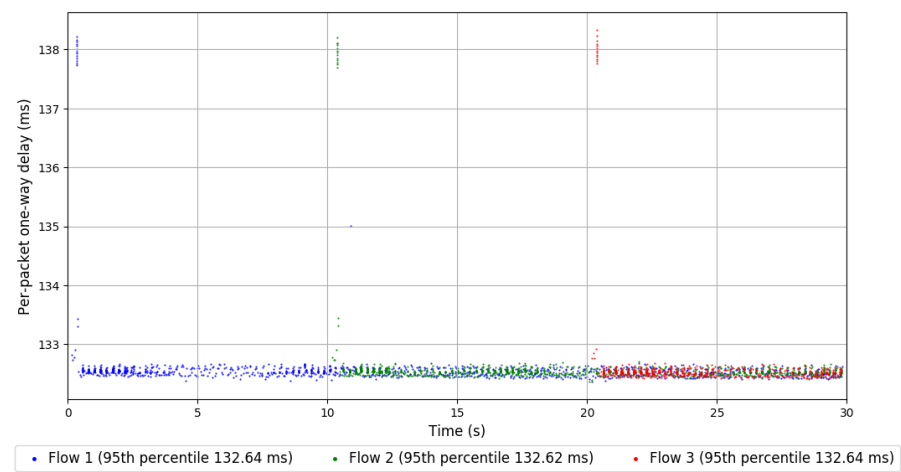
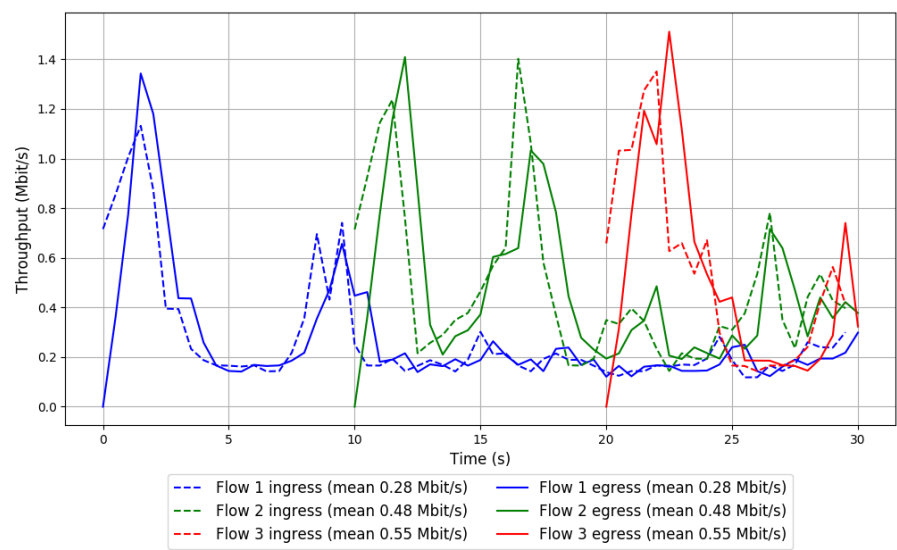


Run 5: Statistics of Sprout

Start at: 2018-08-22 21:35:50  
End at: 2018-08-22 21:36:20  
Local clock offset: 1.078 ms  
Remote clock offset: -38.597 ms

```
# Below is generated by plot.py at 2018-08-23 01:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 132.638 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 132.641 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 132.625 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 132.642 ms
Loss rate: 1.54%
```

Run 5: Report of Sprout — Data Link

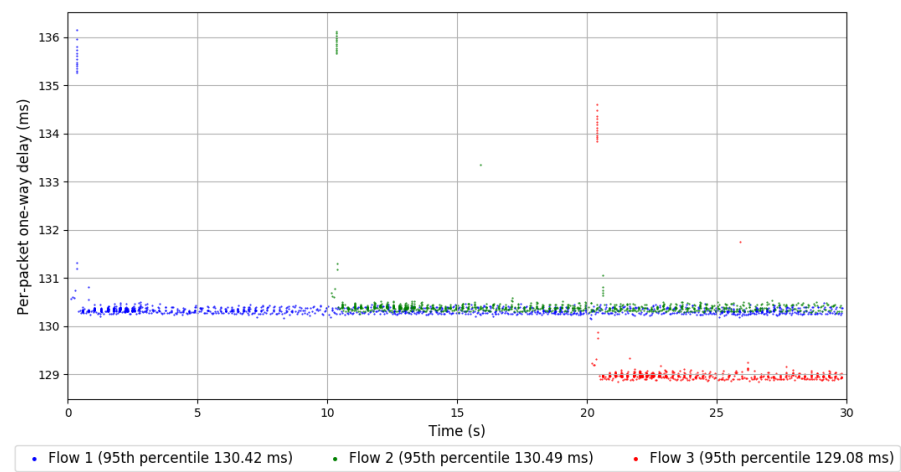
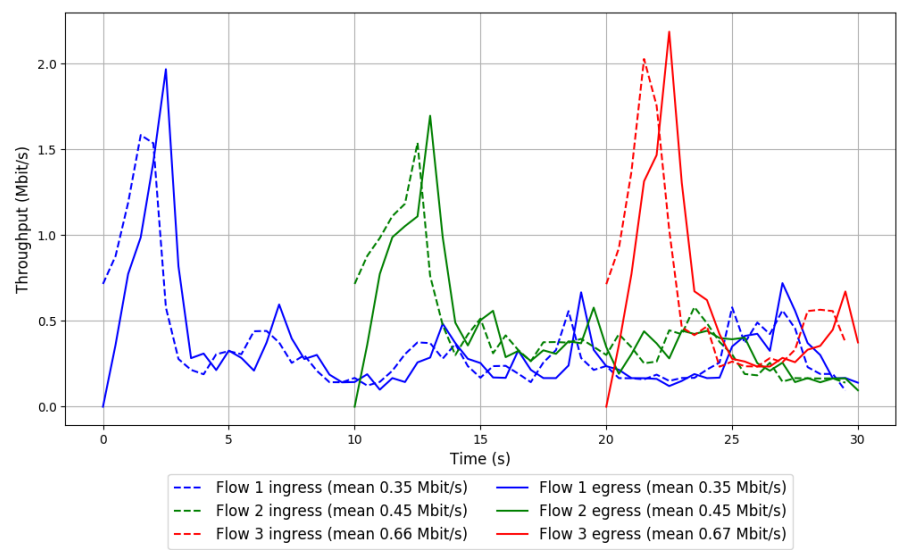


Run 6: Statistics of Sprout

Start at: 2018-08-22 22:00:00  
End at: 2018-08-22 22:00:30  
Local clock offset: 1.295 ms  
Remote clock offset: -35.712 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.87 Mbit/s  
95th percentile per-packet one-way delay: 130.454 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 130.423 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 130.486 ms  
Loss rate: 0.52%  
-- Flow 3:  
Average throughput: 0.67 Mbit/s  
95th percentile per-packet one-way delay: 129.076 ms  
Loss rate: 1.60%

Run 6: Report of Sprout — Data Link



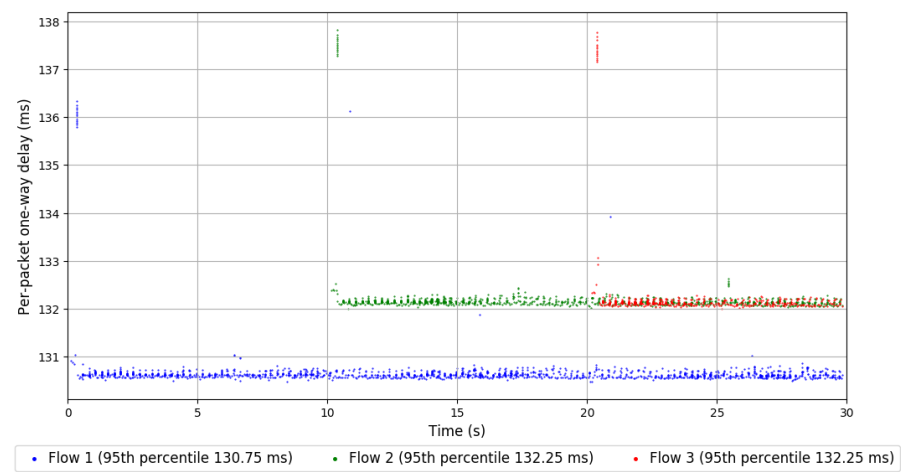
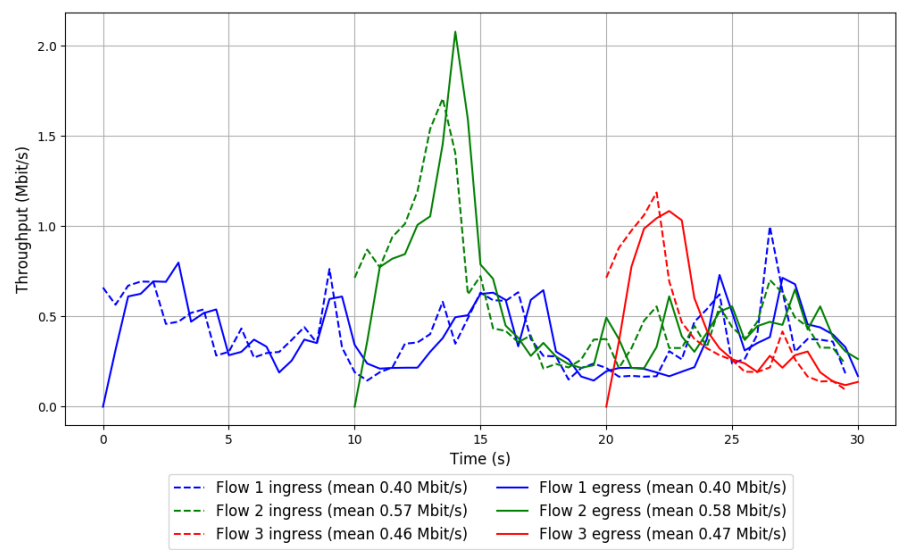
Run 7: Statistics of Sprout

Start at: 2018-08-22 22:30:01  
End at: 2018-08-22 22:30:31  
Local clock offset: 2.954 ms  
Remote clock offset: -37.075 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.93 Mbit/s  
95th percentile per-packet one-way delay: 132.224 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 130.751 ms  
Loss rate: 0.29%  
-- Flow 2:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 132.247 ms  
Loss rate: 0.52%  
-- Flow 3:  
Average throughput: 0.47 Mbit/s  
95th percentile per-packet one-way delay: 132.253 ms  
Loss rate: 0.53%



Run 7: Report of Sprout — Data Link

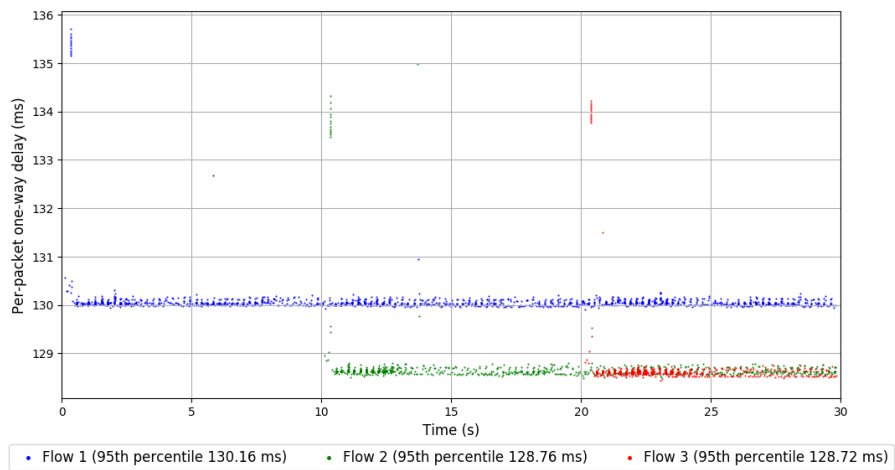
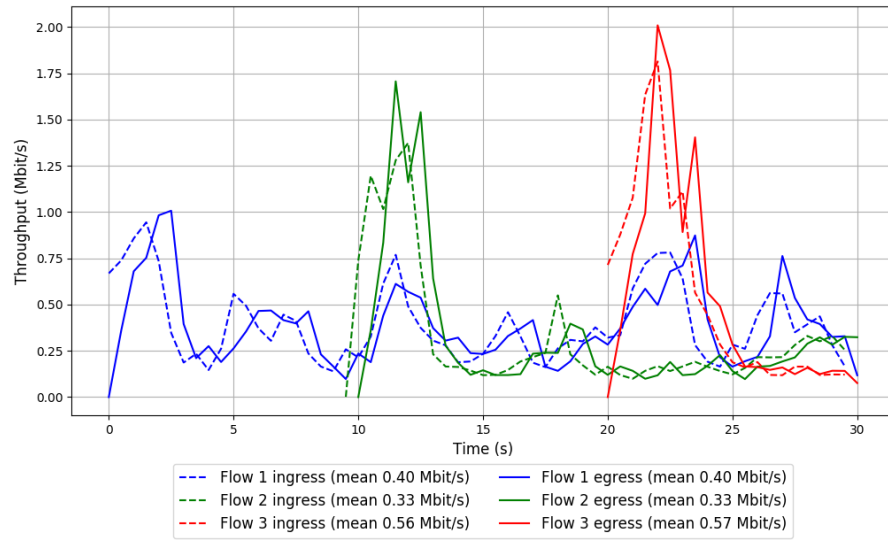


Run 8: Statistics of Sprout

Start at: 2018-08-22 23:11:36  
End at: 2018-08-22 23:12:06  
Local clock offset: 1.518 ms  
Remote clock offset: -36.393 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.80 Mbit/s  
95th percentile per-packet one-way delay: 130.135 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 130.157 ms  
Loss rate: 0.48%  
-- Flow 2:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 128.765 ms  
Loss rate: 0.54%  
-- Flow 3:  
Average throughput: 0.57 Mbit/s  
95th percentile per-packet one-way delay: 128.715 ms  
Loss rate: 0.64%

## Run 8: Report of Sprout — Data Link

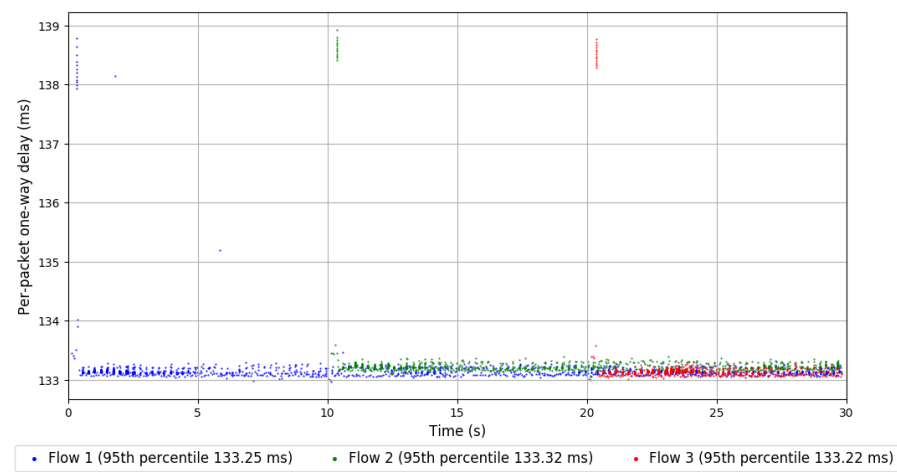
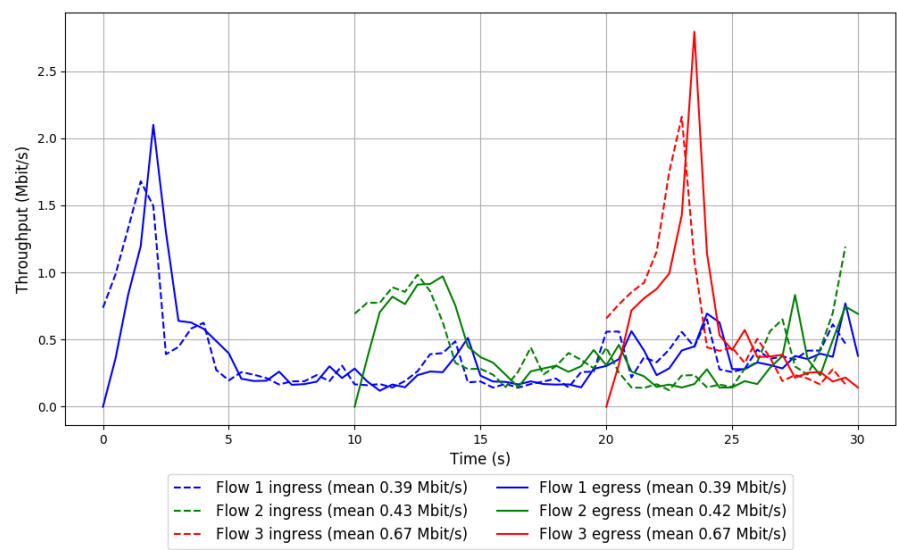


Run 9: Statistics of Sprout

Start at: 2018-08-22 23:41:47  
End at: 2018-08-22 23:42:17  
Local clock offset: 3.562 ms  
Remote clock offset: -37.195 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.89 Mbit/s  
95th percentile per-packet one-way delay: 133.300 ms  
Loss rate: 1.46%  
-- Flow 1:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 133.247 ms  
Loss rate: 0.79%  
-- Flow 2:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 133.321 ms  
Loss rate: 2.98%  
-- Flow 3:  
Average throughput: 0.67 Mbit/s  
95th percentile per-packet one-way delay: 133.225 ms  
Loss rate: 0.71%

Run 9: Report of Sprout — Data Link

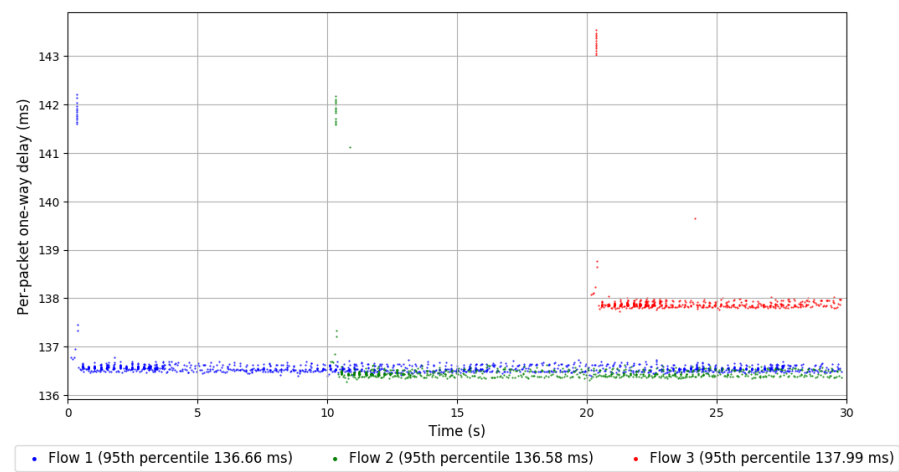
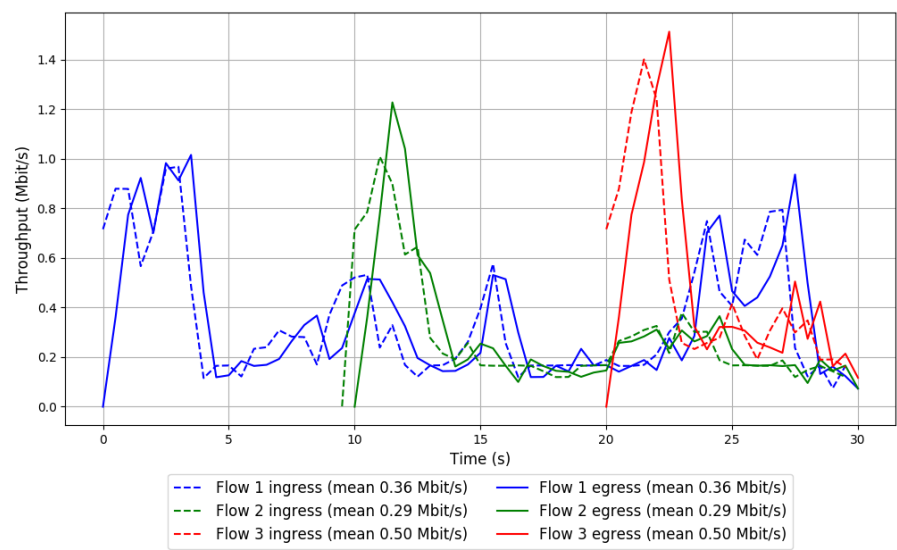


Run 10: Statistics of Sprout

Start at: 2018-08-23 00:17:23  
End at: 2018-08-23 00:17:53  
Local clock offset: 2.874 ms  
Remote clock offset: -41.714 ms

# Below is generated by plot.py at 2018-08-23 01:10:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.72 Mbit/s  
95th percentile per-packet one-way delay: 137.929 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 136.665 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 136.579 ms  
Loss rate: 0.61%  
-- Flow 3:  
Average throughput: 0.50 Mbit/s  
95th percentile per-packet one-way delay: 137.994 ms  
Loss rate: 0.71%

Run 10: Report of Sprout — Data Link



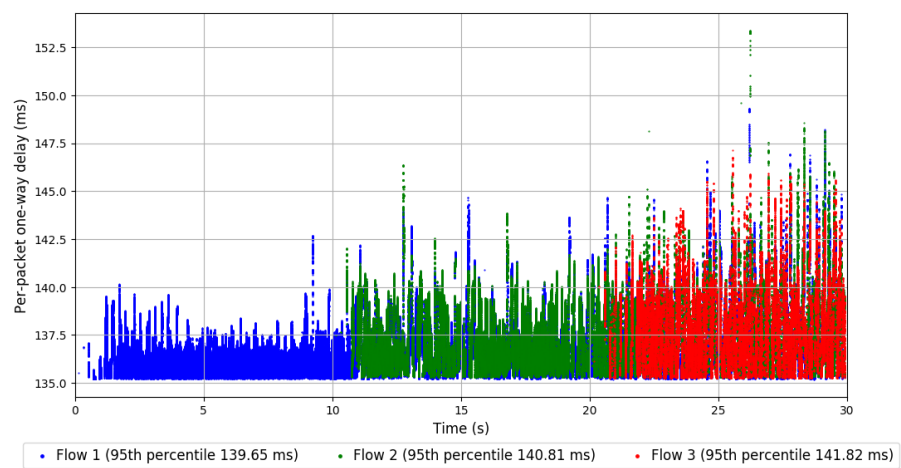
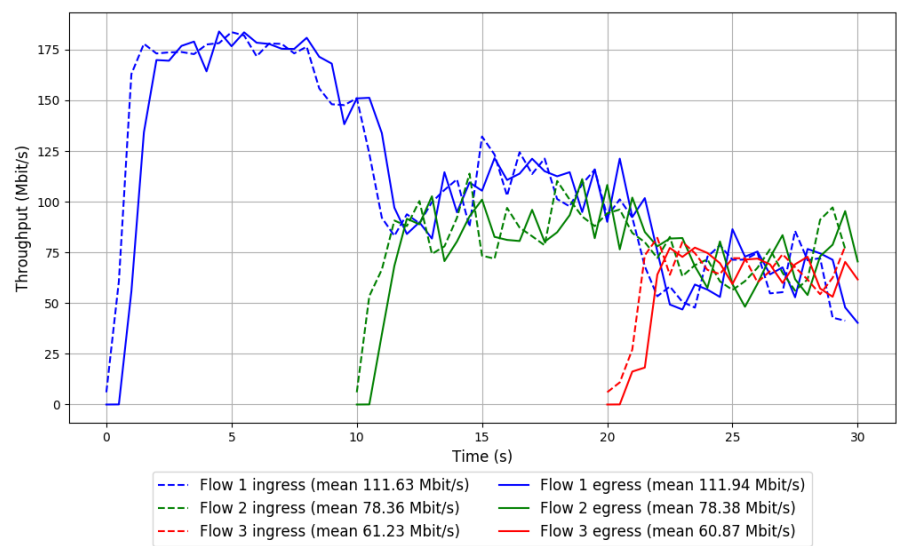
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 19:22:18  
End at: 2018-08-22 19:22:48  
Local clock offset: 1.88 ms  
Remote clock offset: -38.457 ms

# Below is generated by plot.py at 2018-08-23 01:12:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 183.88 Mbit/s  
95th percentile per-packet one-way delay: 140.390 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 111.94 Mbit/s  
95th percentile per-packet one-way delay: 139.647 ms  
Loss rate: 0.26%  
-- Flow 2:  
Average throughput: 78.38 Mbit/s  
95th percentile per-packet one-way delay: 140.811 ms  
Loss rate: 0.96%  
-- Flow 3:  
Average throughput: 60.87 Mbit/s  
95th percentile per-packet one-way delay: 141.824 ms  
Loss rate: 2.57%



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 20:04:05

End at: 2018-08-22 20:04:35

Local clock offset: 0.448 ms

Remote clock offset: -37.0 ms

# Below is generated by plot.py at 2018-08-23 01:12:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 183.48 Mbit/s

95th percentile per-packet one-way delay: 138.496 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 107.00 Mbit/s

95th percentile per-packet one-way delay: 137.663 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 138.786 ms

Loss rate: 1.00%

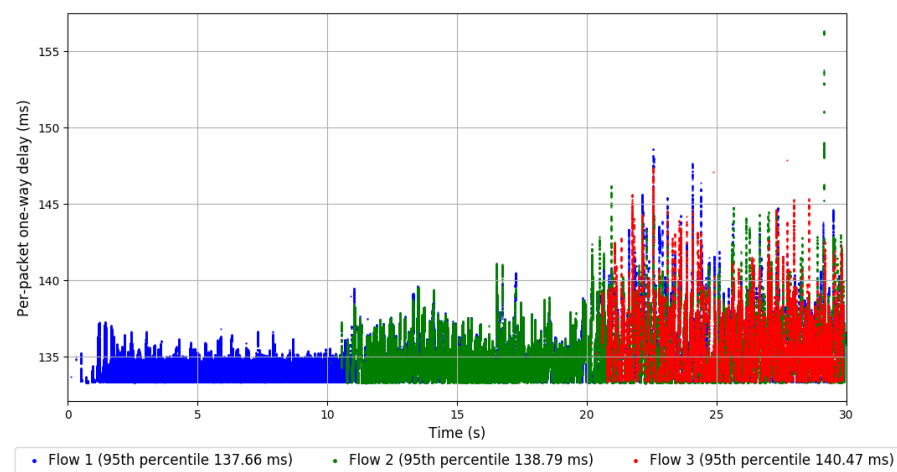
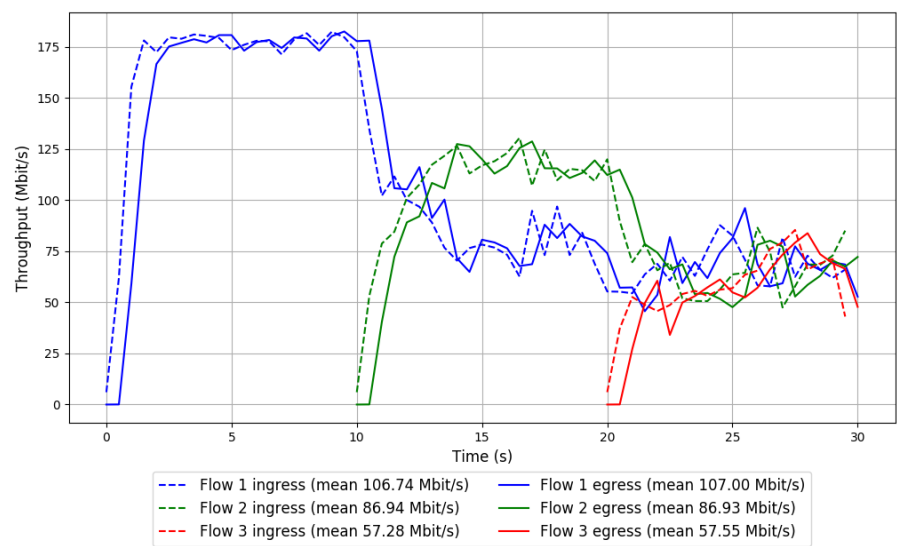
-- Flow 3:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 140.471 ms

Loss rate: 1.54%

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

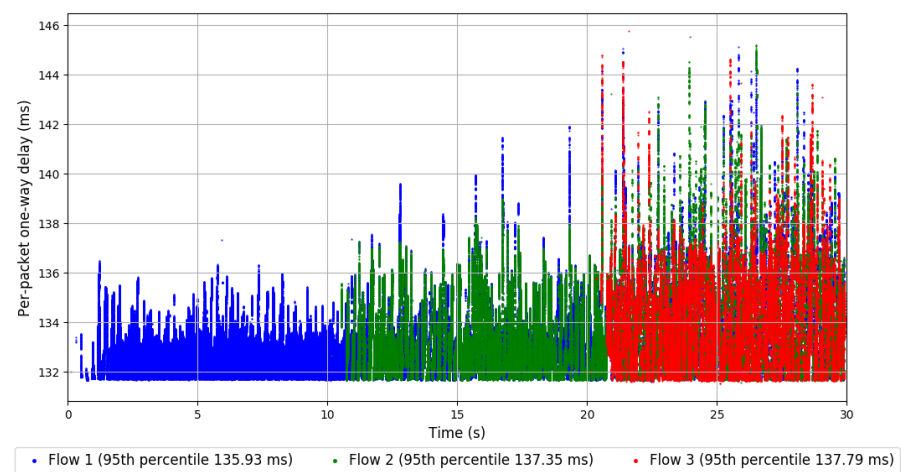
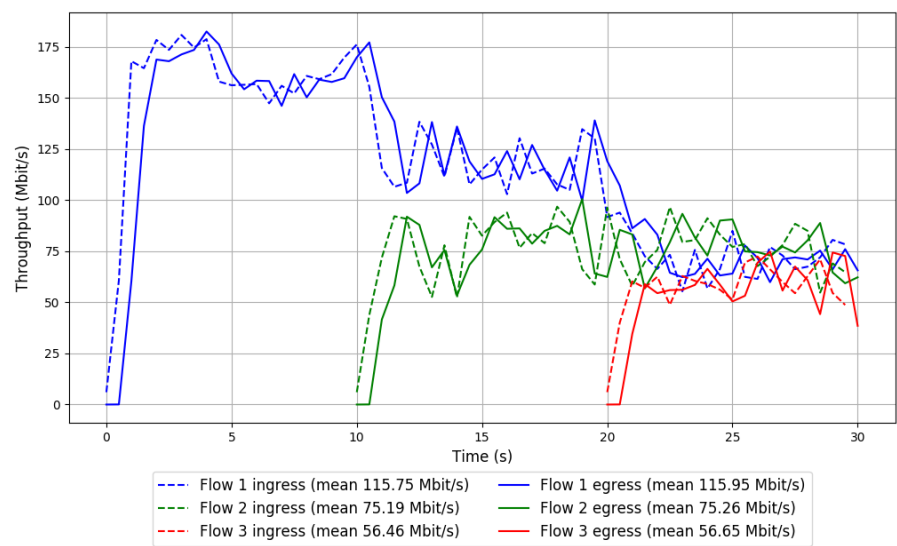


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 20:34:08  
End at: 2018-08-22 20:34:38  
Local clock offset: -1.881 ms  
Remote clock offset: -36.886 ms

# Below is generated by plot.py at 2018-08-23 01:12:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 184.48 Mbit/s  
95th percentile per-packet one-way delay: 136.648 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 115.95 Mbit/s  
95th percentile per-packet one-way delay: 135.931 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 75.26 Mbit/s  
95th percentile per-packet one-way delay: 137.354 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 56.65 Mbit/s  
95th percentile per-packet one-way delay: 137.788 ms  
Loss rate: 1.67%

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

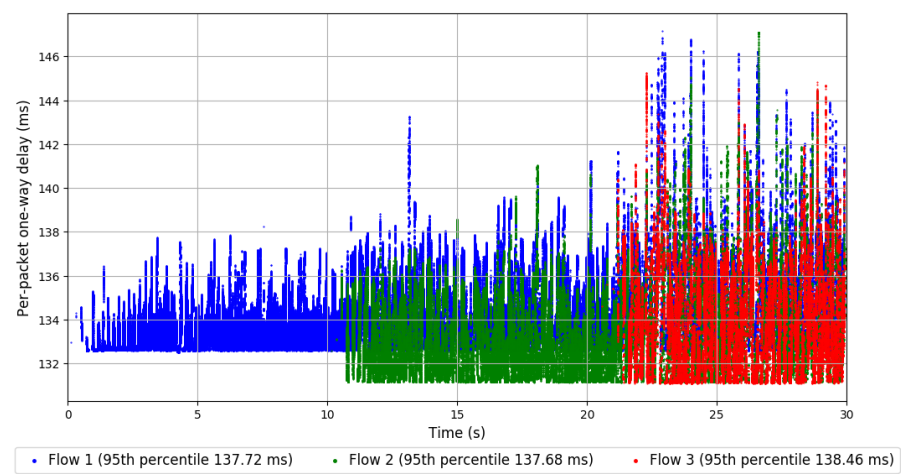
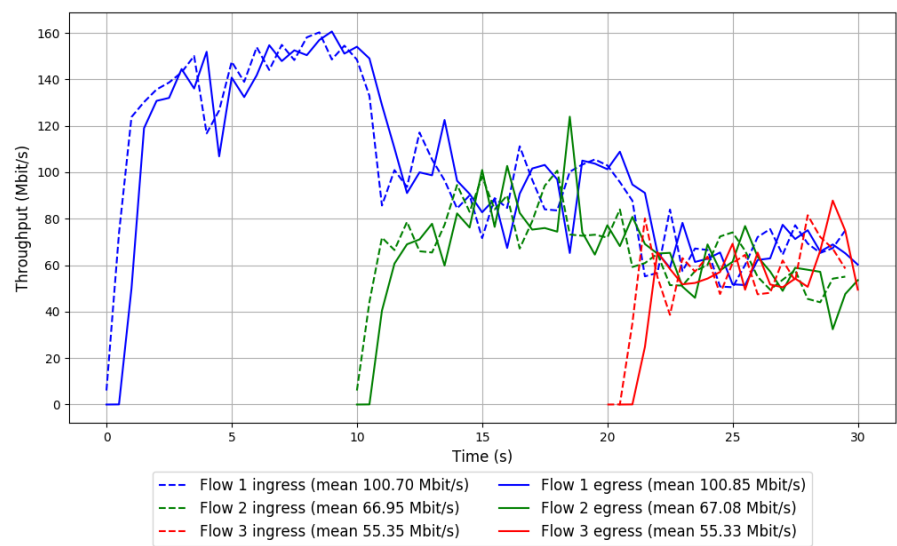


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 21:04:23  
End at: 2018-08-22 21:04:53  
Local clock offset: -1.552 ms  
Remote clock offset: -37.957 ms

# Below is generated by plot.py at 2018-08-23 01:12:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 162.70 Mbit/s  
95th percentile per-packet one-way delay: 137.818 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 100.85 Mbit/s  
95th percentile per-packet one-way delay: 137.722 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 67.08 Mbit/s  
95th percentile per-packet one-way delay: 137.679 ms  
Loss rate: 0.78%  
-- Flow 3:  
Average throughput: 55.33 Mbit/s  
95th percentile per-packet one-way delay: 138.458 ms  
Loss rate: 2.09%

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



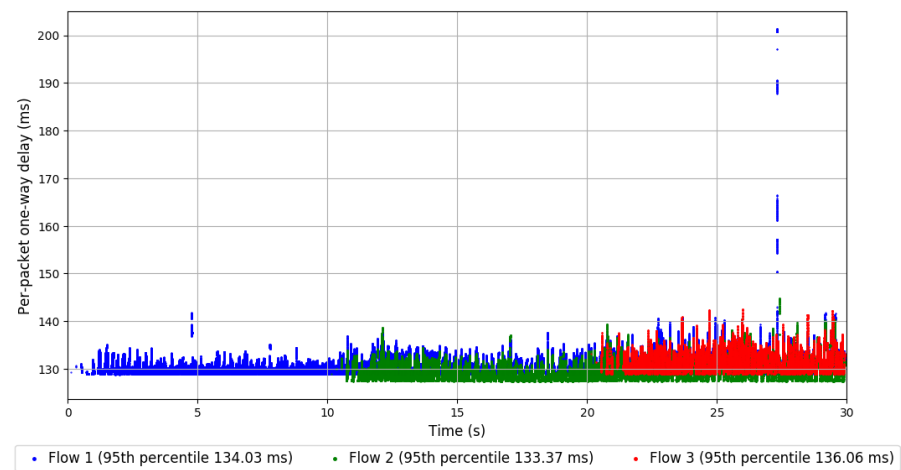
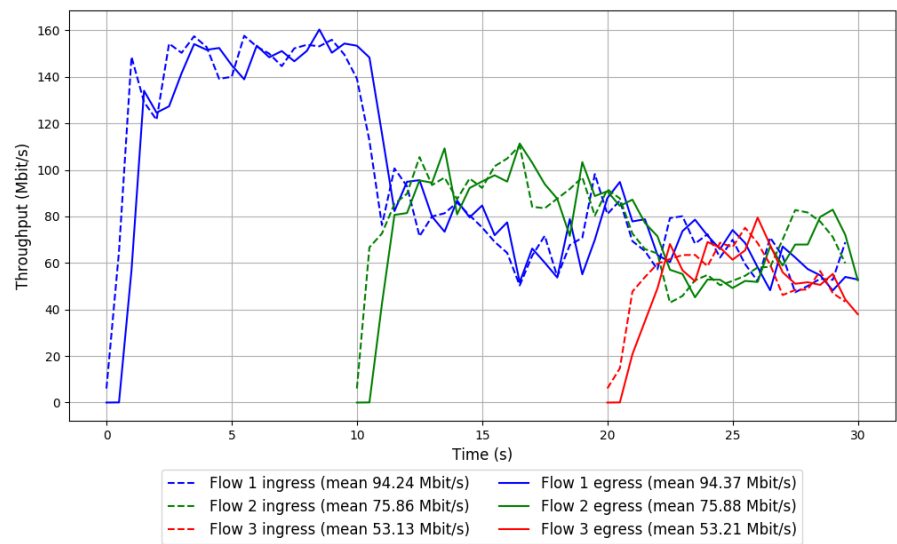
Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 21:39:49  
End at: 2018-08-22 21:40:19  
Local clock offset: 0.216 ms  
Remote clock offset: -34.673 ms

# Below is generated by plot.py at 2018-08-23 01:12:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 162.19 Mbit/s  
95th percentile per-packet one-way delay: 134.340 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 94.37 Mbit/s  
95th percentile per-packet one-way delay: 134.033 ms  
Loss rate: 0.50%  
-- Flow 2:  
Average throughput: 75.88 Mbit/s  
95th percentile per-packet one-way delay: 133.366 ms  
Loss rate: 0.89%  
-- Flow 3:  
Average throughput: 53.21 Mbit/s  
95th percentile per-packet one-way delay: 136.059 ms  
Loss rate: 1.83%



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

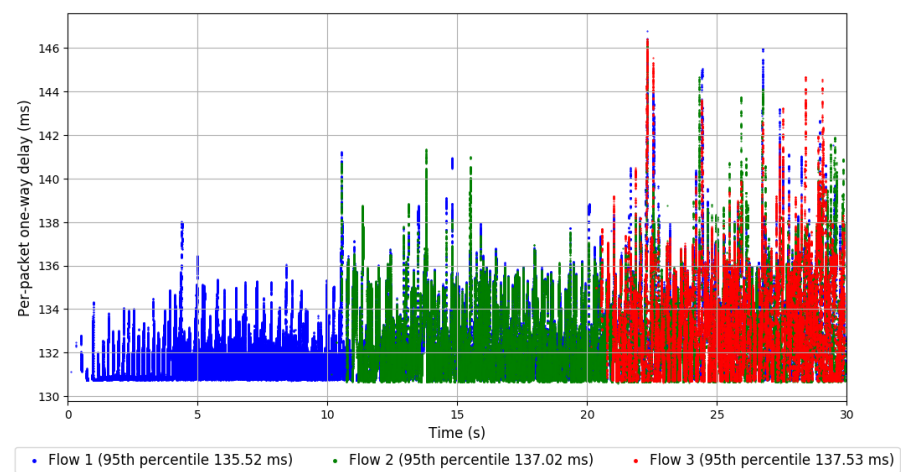
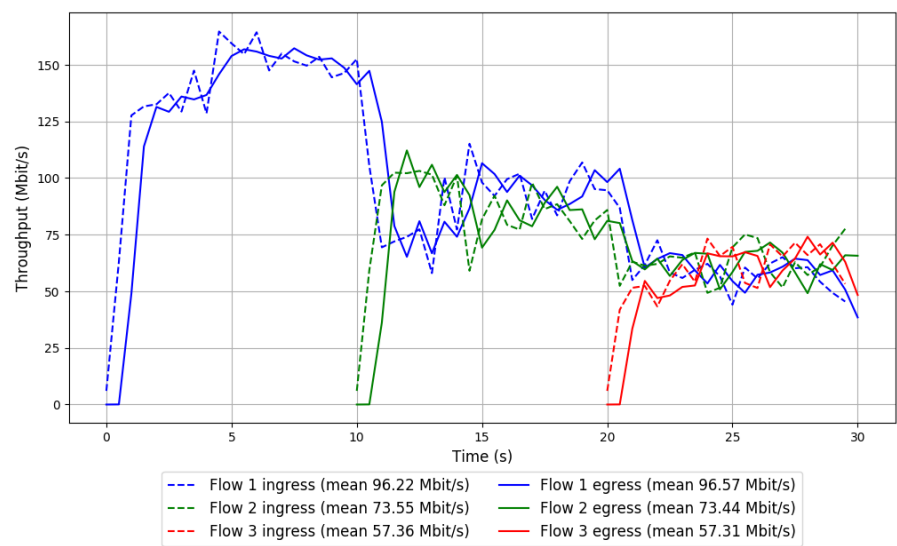


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 22:03:56  
End at: 2018-08-22 22:04:26  
Local clock offset: 3.591 ms  
Remote clock offset: -35.303 ms

# Below is generated by plot.py at 2018-08-23 01:12:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 164.09 Mbit/s  
95th percentile per-packet one-way delay: 136.281 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 96.57 Mbit/s  
95th percentile per-packet one-way delay: 135.518 ms  
Loss rate: 0.29%  
-- Flow 2:  
Average throughput: 73.44 Mbit/s  
95th percentile per-packet one-way delay: 137.020 ms  
Loss rate: 1.12%  
-- Flow 3:  
Average throughput: 57.31 Mbit/s  
95th percentile per-packet one-way delay: 137.525 ms  
Loss rate: 1.96%

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

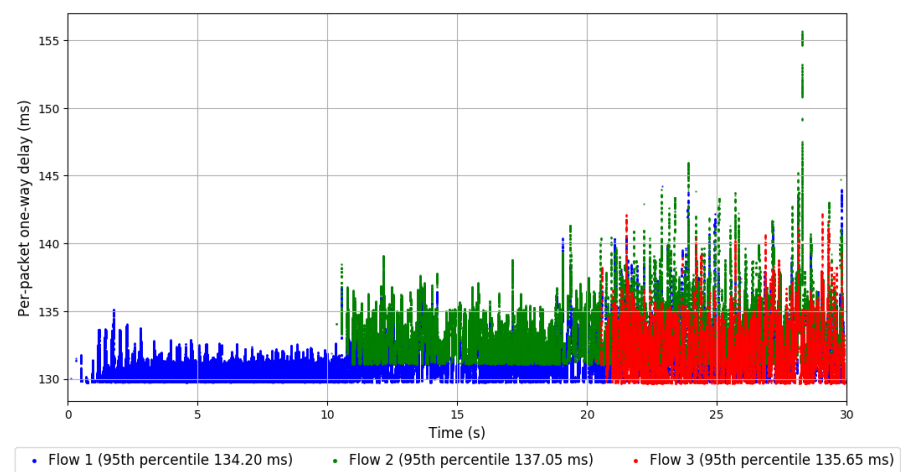
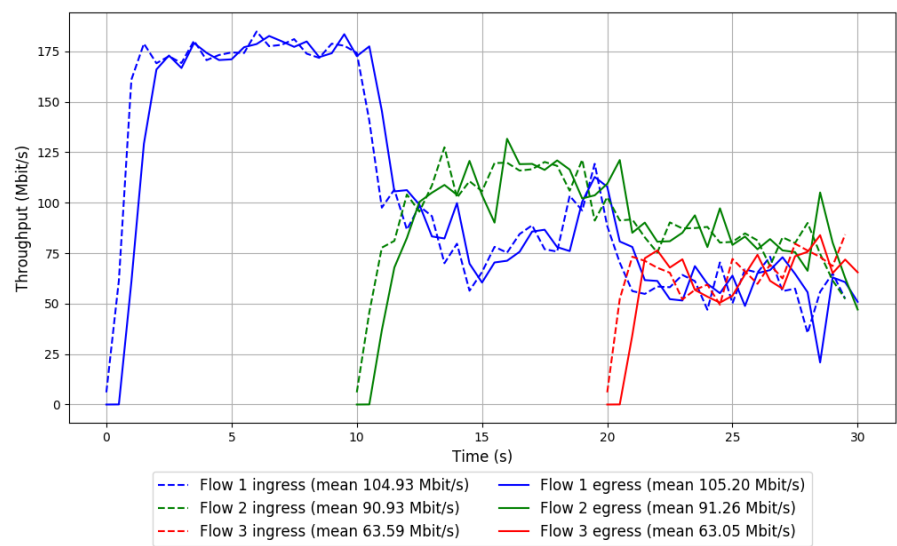


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 22:33:57  
End at: 2018-08-22 22:34:27  
Local clock offset: 2.552 ms  
Remote clock offset: -36.614 ms

# Below is generated by plot.py at 2018-08-23 01:13:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 186.39 Mbit/s  
95th percentile per-packet one-way delay: 135.796 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 105.20 Mbit/s  
95th percentile per-packet one-way delay: 134.196 ms  
Loss rate: 0.38%  
-- Flow 2:  
Average throughput: 91.26 Mbit/s  
95th percentile per-packet one-way delay: 137.047 ms  
Loss rate: 0.62%  
-- Flow 3:  
Average throughput: 63.05 Mbit/s  
95th percentile per-packet one-way delay: 135.645 ms  
Loss rate: 2.75%

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

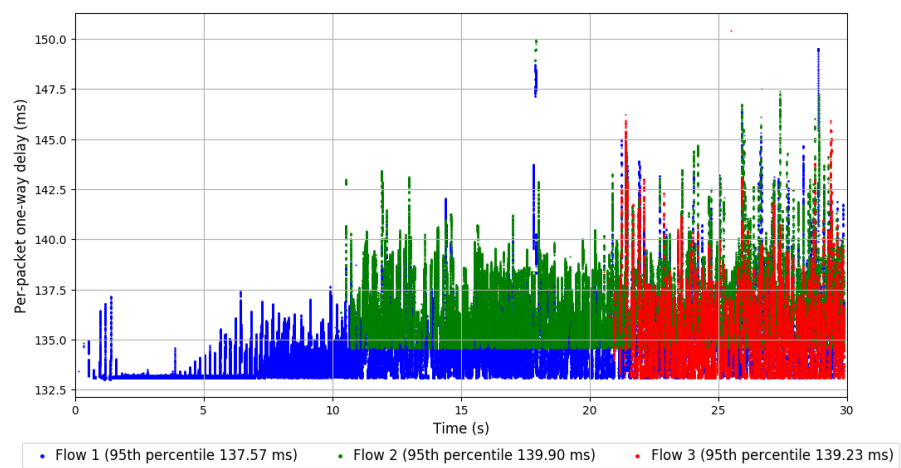
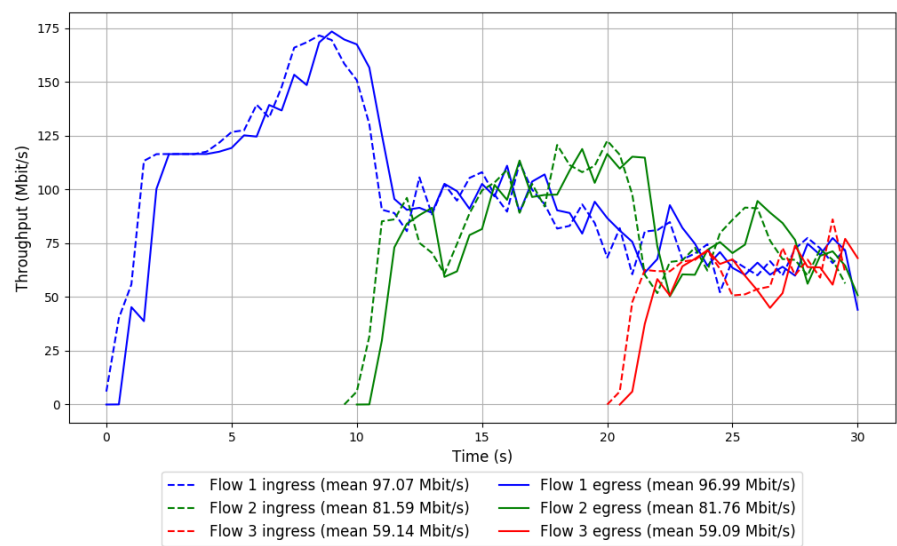


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 23:15:32  
End at: 2018-08-22 23:16:02  
Local clock offset: 3.139 ms  
Remote clock offset: -39.178 ms

# Below is generated by plot.py at 2018-08-23 01:13:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 169.82 Mbit/s  
95th percentile per-packet one-way delay: 138.913 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 96.99 Mbit/s  
95th percentile per-packet one-way delay: 137.573 ms  
Loss rate: 0.72%  
-- Flow 2:  
Average throughput: 81.76 Mbit/s  
95th percentile per-packet one-way delay: 139.896 ms  
Loss rate: 0.72%  
-- Flow 3:  
Average throughput: 59.09 Mbit/s  
95th percentile per-packet one-way delay: 139.231 ms  
Loss rate: 2.17%

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



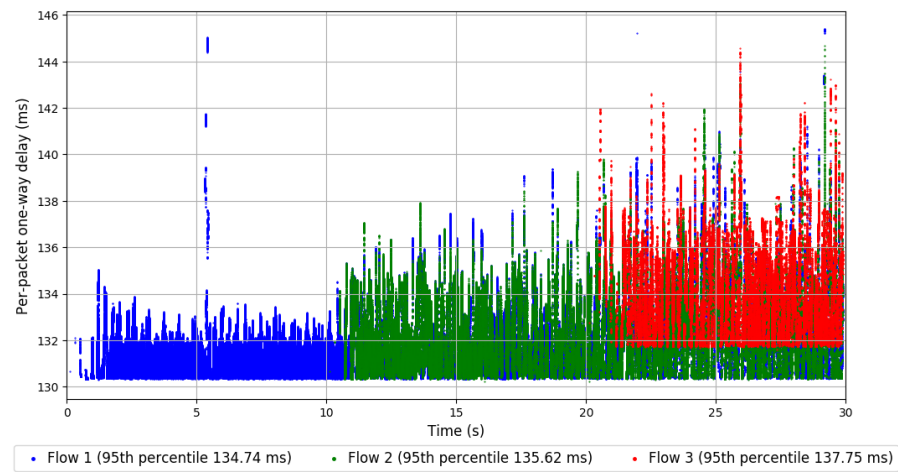
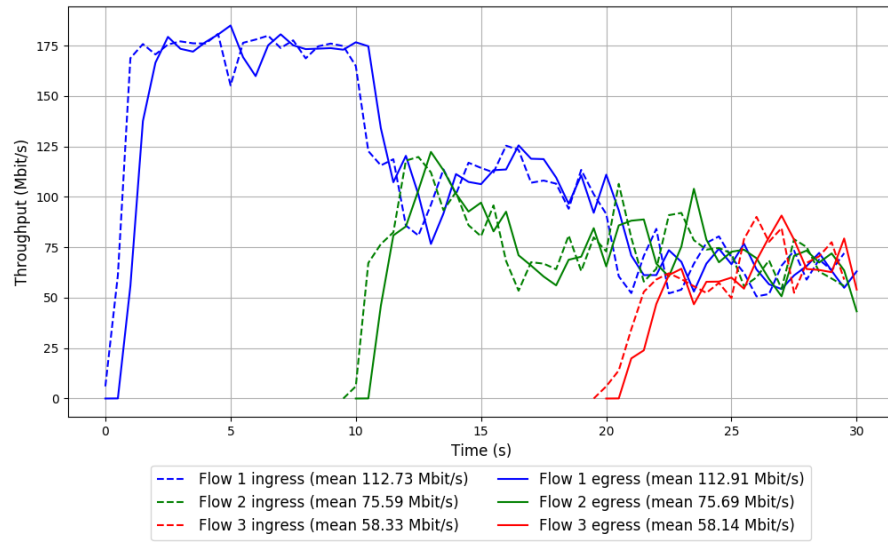
Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 23:45:43  
End at: 2018-08-22 23:46:13  
Local clock offset: 4.443 ms  
Remote clock offset: -34.878 ms

# Below is generated by plot.py at 2018-08-23 01:16:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 182.29 Mbit/s  
95th percentile per-packet one-way delay: 135.690 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 112.91 Mbit/s  
95th percentile per-packet one-way delay: 134.741 ms  
Loss rate: 0.50%  
-- Flow 2:  
Average throughput: 75.69 Mbit/s  
95th percentile per-packet one-way delay: 135.619 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 58.14 Mbit/s  
95th percentile per-packet one-way delay: 137.747 ms  
Loss rate: 2.19%



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

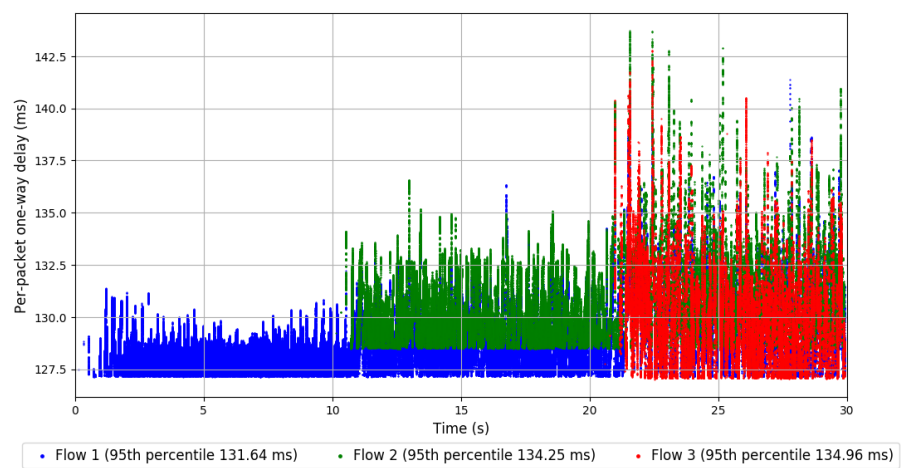
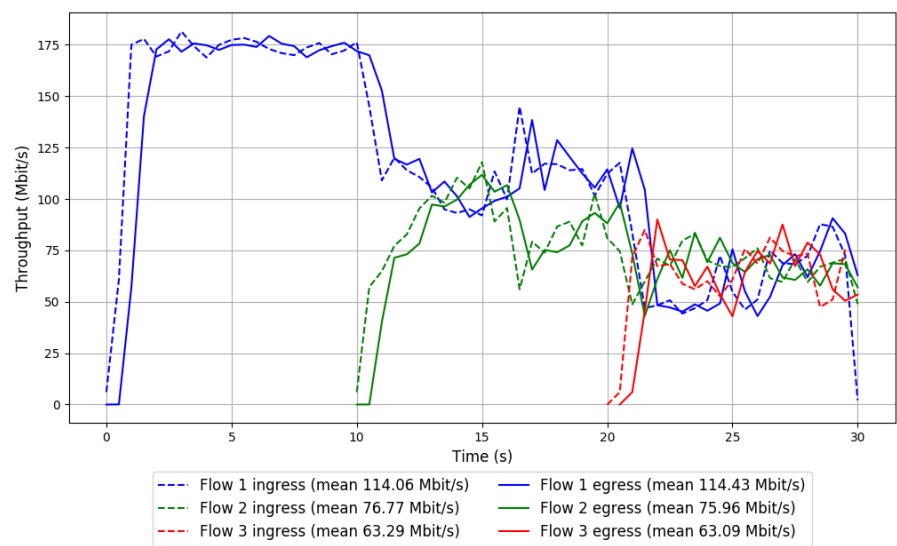


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-23 00:26:14  
End at: 2018-08-23 00:26:44  
Local clock offset: 1.282 ms  
Remote clock offset: -33.775 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 184.60 Mbit/s  
95th percentile per-packet one-way delay: 133.169 ms  
Loss rate: 1.34%  
-- Flow 1:  
Average throughput: 114.43 Mbit/s  
95th percentile per-packet one-way delay: 131.641 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 75.96 Mbit/s  
95th percentile per-packet one-way delay: 134.254 ms  
Loss rate: 2.88%  
-- Flow 3:  
Average throughput: 63.09 Mbit/s  
95th percentile per-packet one-way delay: 134.962 ms  
Loss rate: 2.31%

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

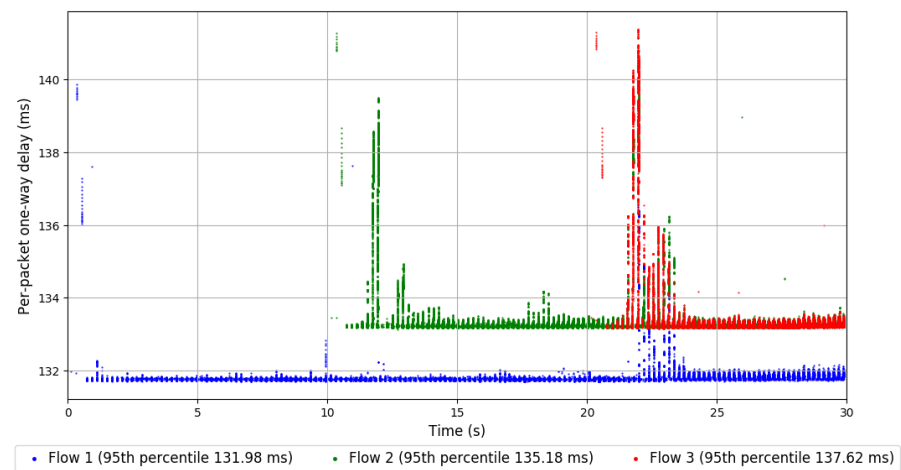
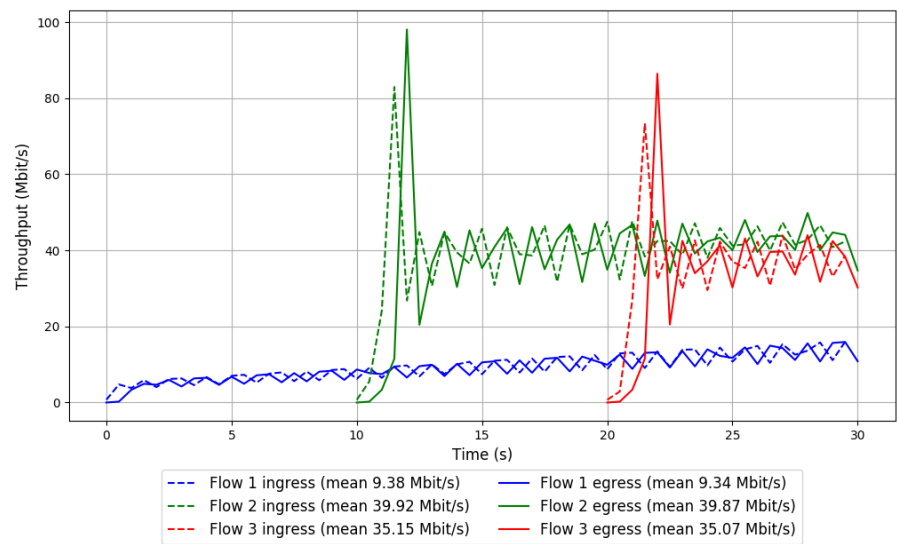


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 19:12:49  
End at: 2018-08-22 19:13:19  
Local clock offset: -0.618 ms  
Remote clock offset: -38.877 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.27 Mbit/s  
95th percentile per-packet one-way delay: 135.141 ms  
Loss rate: 1.32%  
-- Flow 1:  
Average throughput: 9.34 Mbit/s  
95th percentile per-packet one-way delay: 131.977 ms  
Loss rate: 0.97%  
-- Flow 2:  
Average throughput: 39.87 Mbit/s  
95th percentile per-packet one-way delay: 135.183 ms  
Loss rate: 1.07%  
-- Flow 3:  
Average throughput: 35.07 Mbit/s  
95th percentile per-packet one-way delay: 137.619 ms  
Loss rate: 2.14%

Run 1: Report of TCP Vegas — Data Link

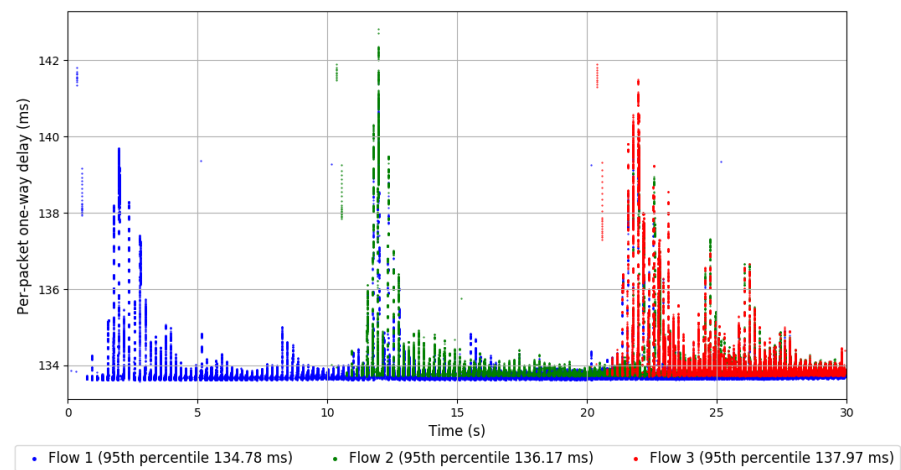
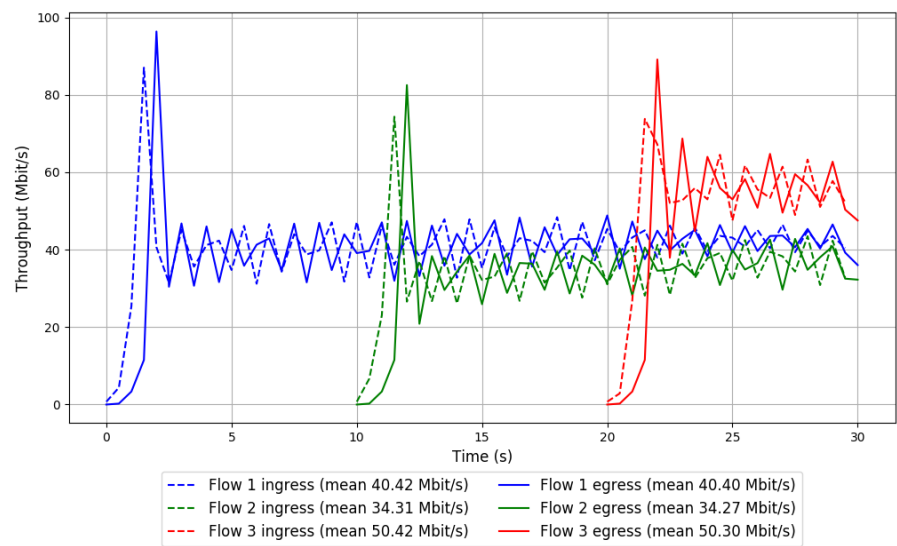


Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 19:54:36  
End at: 2018-08-22 19:55:06  
Local clock offset: 1.405 ms  
Remote clock offset: -35.344 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.62 Mbit/s  
95th percentile per-packet one-way delay: 136.289 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 40.40 Mbit/s  
95th percentile per-packet one-way delay: 134.777 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 34.27 Mbit/s  
95th percentile per-packet one-way delay: 136.172 ms  
Loss rate: 1.07%  
-- Flow 3:  
Average throughput: 50.30 Mbit/s  
95th percentile per-packet one-way delay: 137.969 ms  
Loss rate: 2.17%

Run 2: Report of TCP Vegas — Data Link



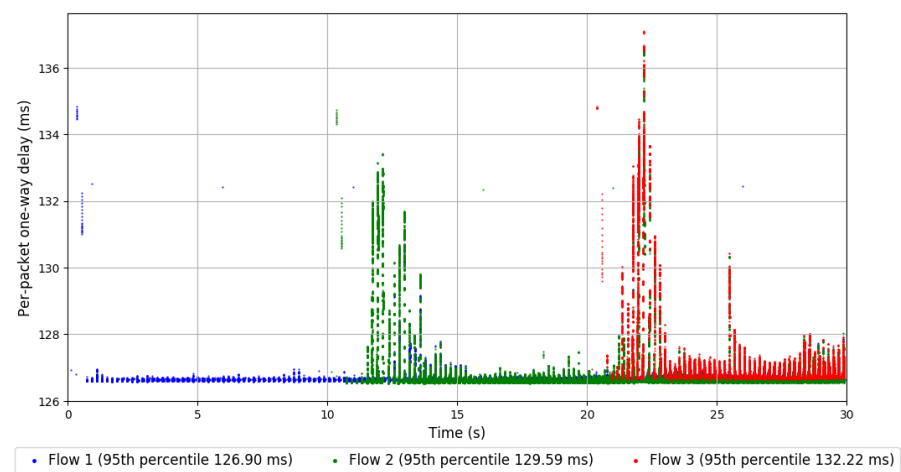
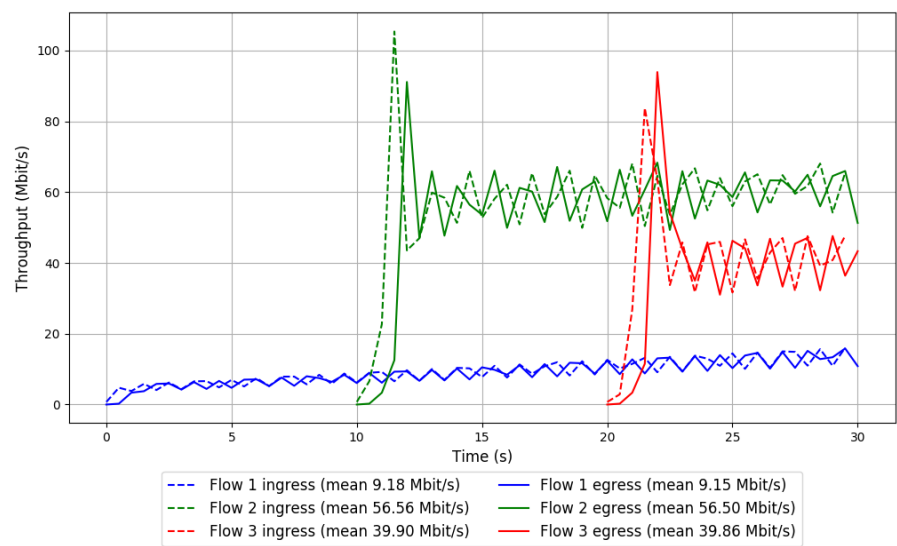
Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 20:24:39  
End at: 2018-08-22 20:25:09  
Local clock offset: -1.592 ms  
Remote clock offset: -31.654 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 59.66 Mbit/s  
95th percentile per-packet one-way delay: 130.476 ms  
Loss rate: 1.26%  
-- Flow 1:  
Average throughput: 9.15 Mbit/s  
95th percentile per-packet one-way delay: 126.901 ms  
Loss rate: 0.99%  
-- Flow 2:  
Average throughput: 56.50 Mbit/s  
95th percentile per-packet one-way delay: 129.595 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 39.86 Mbit/s  
95th percentile per-packet one-way delay: 132.220 ms  
Loss rate: 2.04%



Run 3: Report of TCP Vegas — Data Link

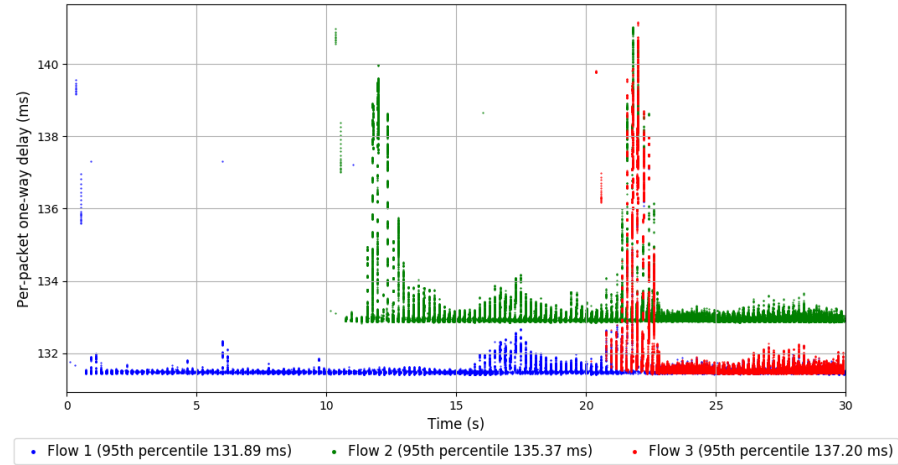
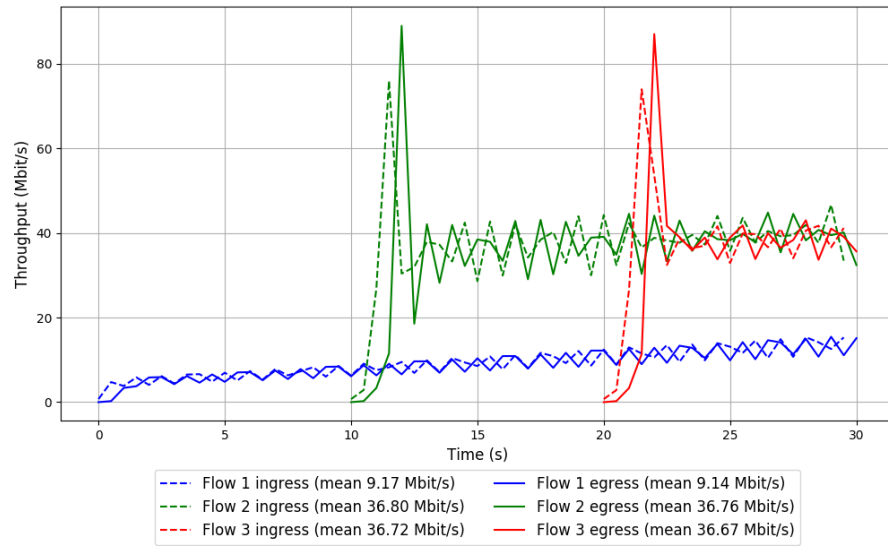


Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 20:54:52  
End at: 2018-08-22 20:55:22  
Local clock offset: -1.415 ms  
Remote clock offset: -37.695 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 45.51 Mbit/s  
95th percentile per-packet one-way delay: 135.402 ms  
Loss rate: 1.33%  
-- Flow 1:  
Average throughput: 9.14 Mbit/s  
95th percentile per-packet one-way delay: 131.887 ms  
Loss rate: 0.99%  
-- Flow 2:  
Average throughput: 36.76 Mbit/s  
95th percentile per-packet one-way delay: 135.369 ms  
Loss rate: 1.09%  
-- Flow 3:  
Average throughput: 36.67 Mbit/s  
95th percentile per-packet one-way delay: 137.196 ms  
Loss rate: 2.07%

#### Run 4: Report of TCP Vegas — Data Link

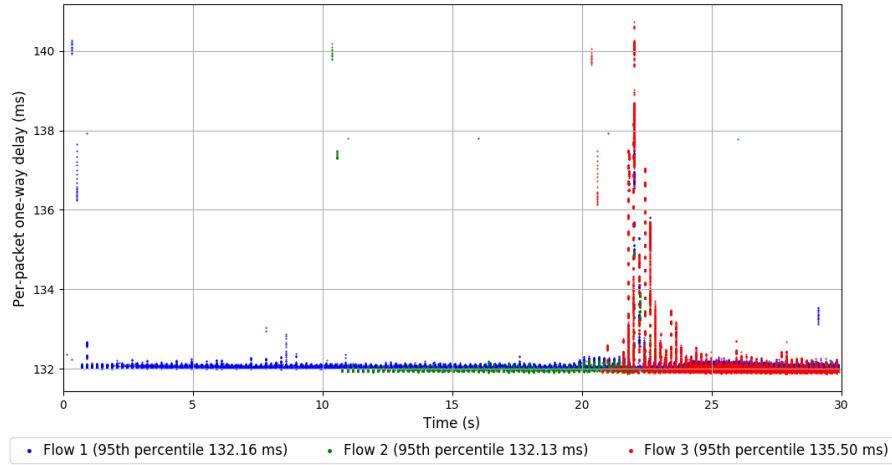
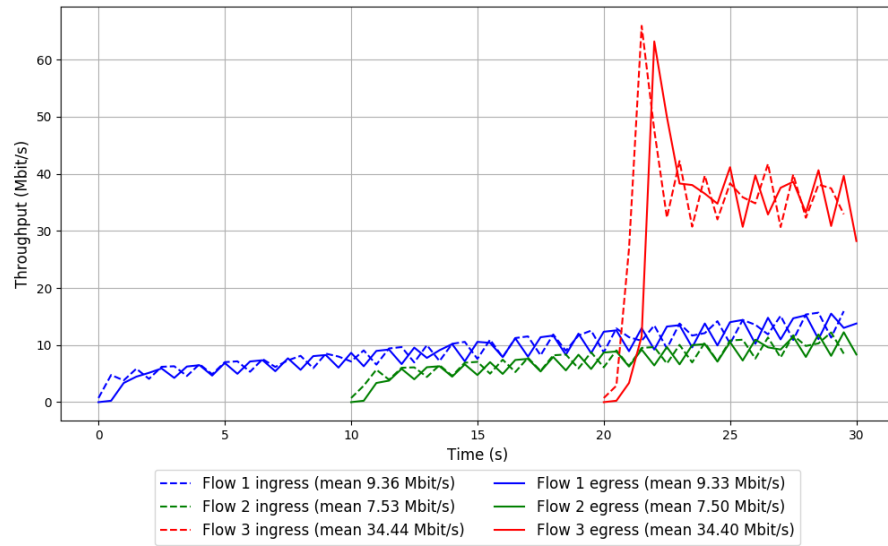


Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 21:24:50  
End at: 2018-08-22 21:25:20  
Local clock offset: 2.016 ms  
Remote clock offset: -36.551 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 25.53 Mbit/s  
95th percentile per-packet one-way delay: 133.151 ms  
Loss rate: 1.54%  
-- Flow 1:  
Average throughput: 9.33 Mbit/s  
95th percentile per-packet one-way delay: 132.161 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 7.50 Mbit/s  
95th percentile per-packet one-way delay: 132.132 ms  
Loss rate: 1.39%  
-- Flow 3:  
Average throughput: 34.40 Mbit/s  
95th percentile per-packet one-way delay: 135.497 ms  
Loss rate: 2.06%

## Run 5: Report of TCP Vegas — Data Link

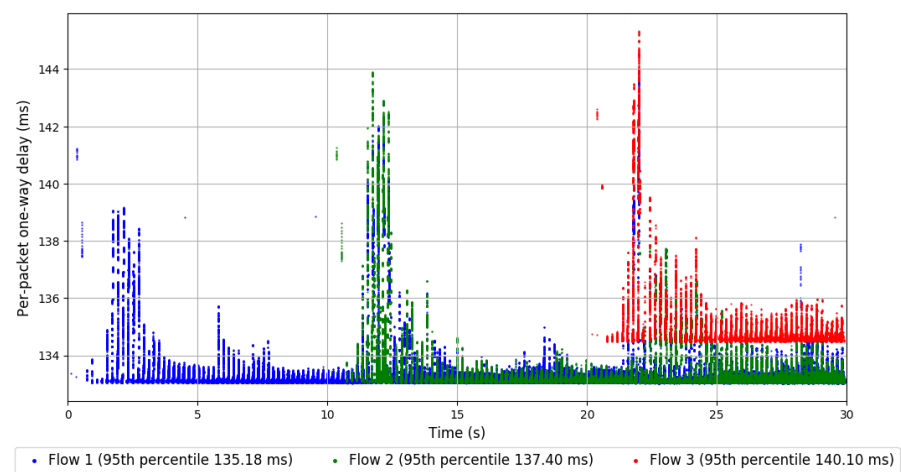
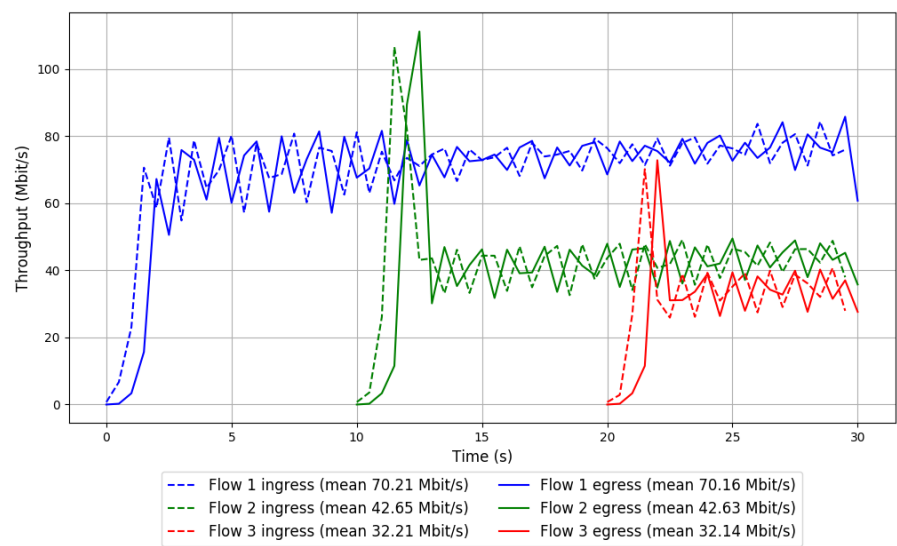


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 21:54:26  
End at: 2018-08-22 21:54:56  
Local clock offset: 1.572 ms  
Remote clock offset: -39.501 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 108.95 Mbit/s  
95th percentile per-packet one-way delay: 136.416 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 70.16 Mbit/s  
95th percentile per-packet one-way delay: 135.181 ms  
Loss rate: 0.71%  
-- Flow 2:  
Average throughput: 42.63 Mbit/s  
95th percentile per-packet one-way delay: 137.398 ms  
Loss rate: 1.02%  
-- Flow 3:  
Average throughput: 32.14 Mbit/s  
95th percentile per-packet one-way delay: 140.104 ms  
Loss rate: 2.15%

Run 6: Report of TCP Vegas — Data Link



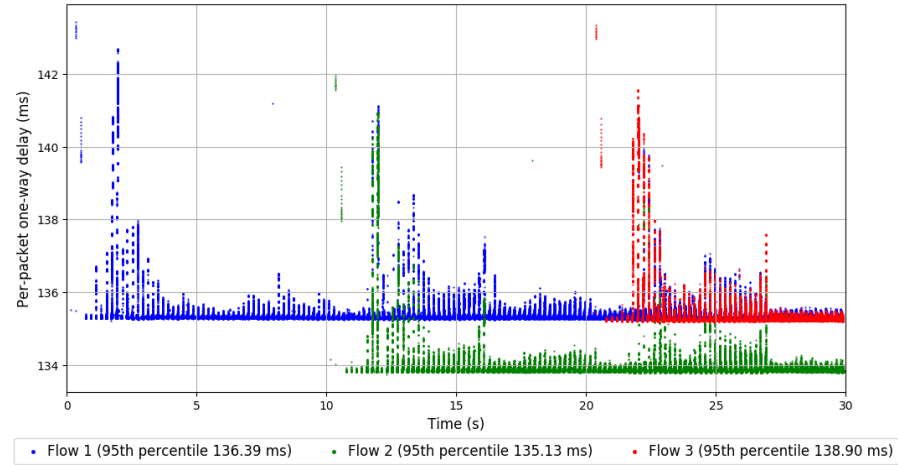
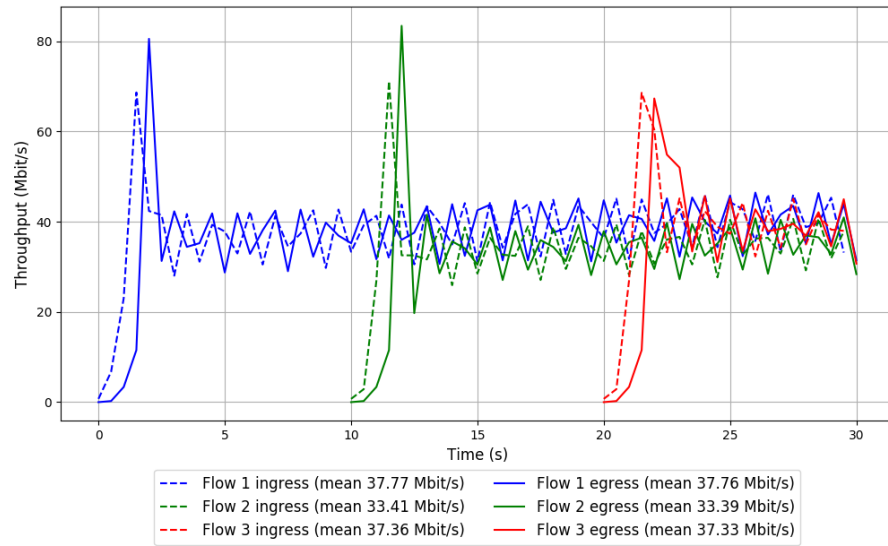
Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 22:24:28  
End at: 2018-08-22 22:24:58  
Local clock offset: 3.736 ms  
Remote clock offset: -39.329 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 72.08 Mbit/s  
95th percentile per-packet one-way delay: 136.423 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 37.76 Mbit/s  
95th percentile per-packet one-way delay: 136.391 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 33.39 Mbit/s  
95th percentile per-packet one-way delay: 135.134 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 37.33 Mbit/s  
95th percentile per-packet one-way delay: 138.903 ms  
Loss rate: 2.05%



## Run 7: Report of TCP Vegas — Data Link

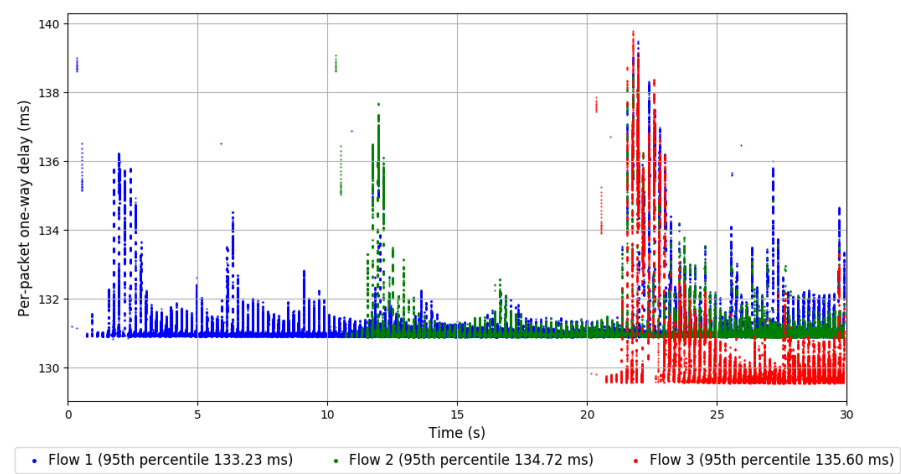
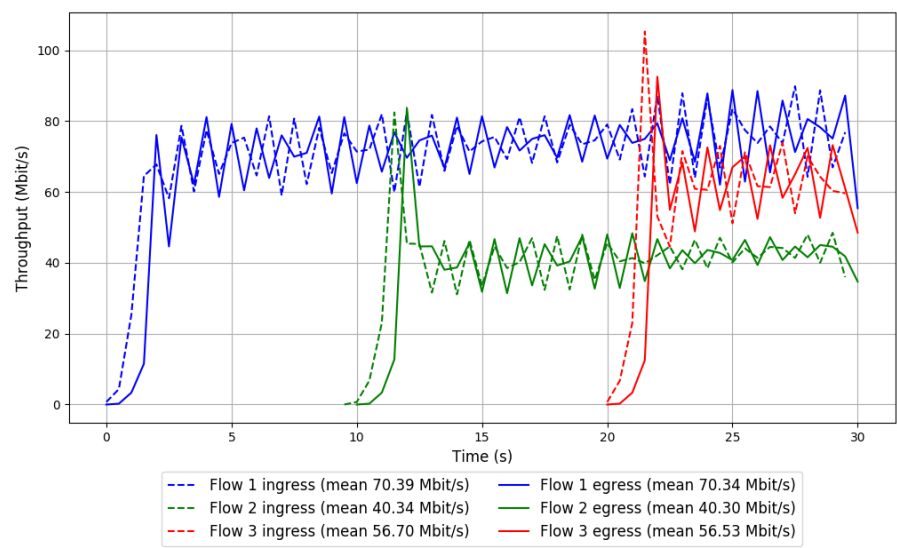


Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 23:05:51  
End at: 2018-08-22 23:06:21  
Local clock offset: 2.584 ms  
Remote clock offset: -36.214 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 115.63 Mbit/s  
95th percentile per-packet one-way delay: 134.135 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 70.34 Mbit/s  
95th percentile per-packet one-way delay: 133.226 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 40.30 Mbit/s  
95th percentile per-packet one-way delay: 134.720 ms  
Loss rate: 1.08%  
-- Flow 3:  
Average throughput: 56.53 Mbit/s  
95th percentile per-packet one-way delay: 135.597 ms  
Loss rate: 2.22%

Run 8: Report of TCP Vegas — Data Link

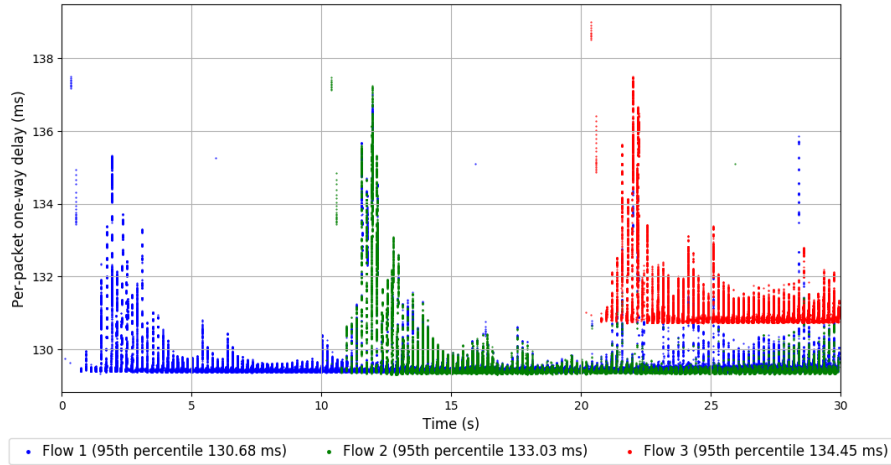
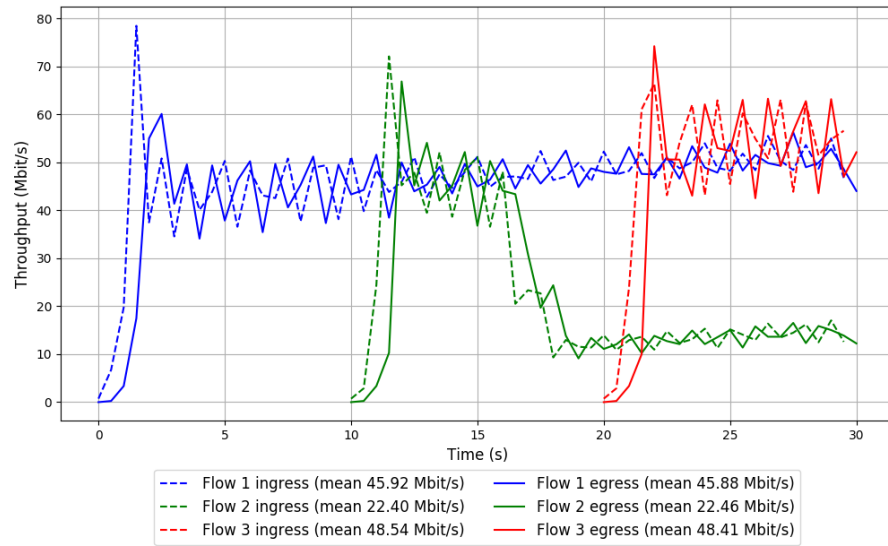


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 23:36:11  
End at: 2018-08-22 23:36:41  
Local clock offset: 4.732 ms  
Remote clock offset: -33.809 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.59 Mbit/s  
95th percentile per-packet one-way delay: 132.317 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 45.88 Mbit/s  
95th percentile per-packet one-way delay: 130.680 ms  
Loss rate: 0.72%  
-- Flow 2:  
Average throughput: 22.46 Mbit/s  
95th percentile per-packet one-way delay: 133.026 ms  
Loss rate: 0.69%  
-- Flow 3:  
Average throughput: 48.41 Mbit/s  
95th percentile per-packet one-way delay: 134.450 ms  
Loss rate: 2.21%

# Run 9: Report of TCP Vegas — Data Link

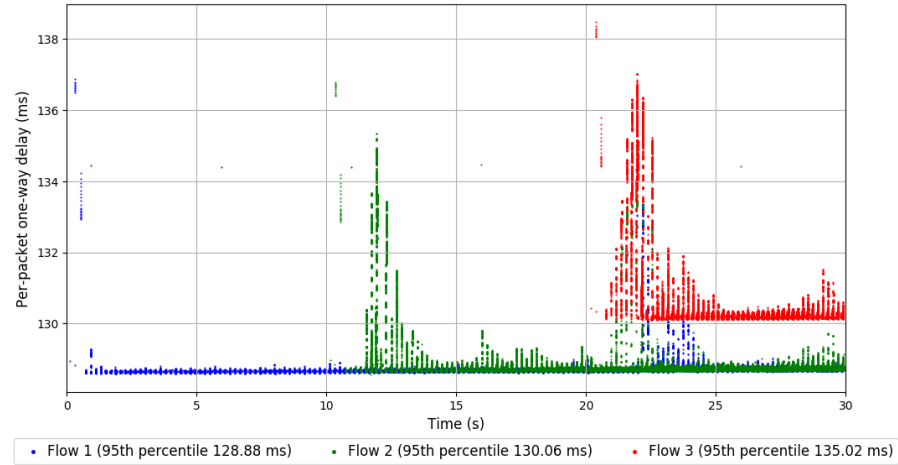
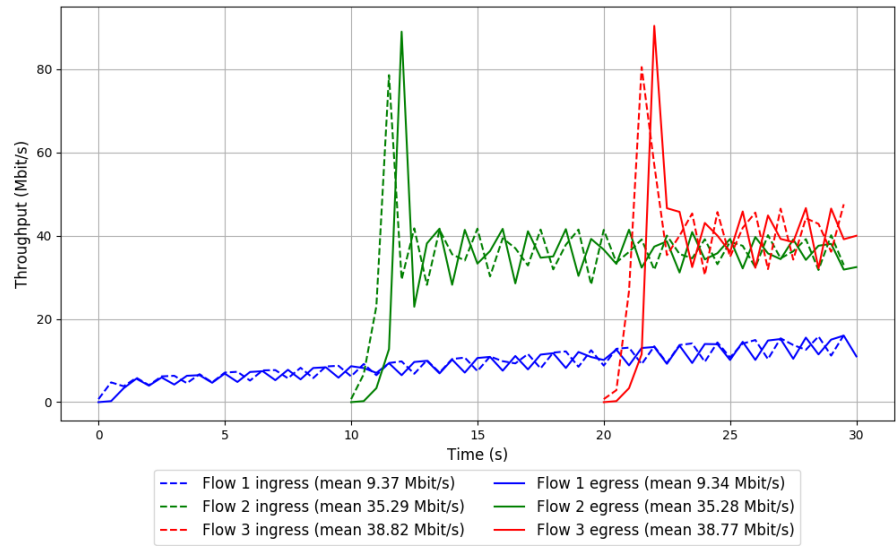


Run 10: Statistics of TCP Vegas

Start at: 2018-08-23 00:06:15  
End at: 2018-08-23 00:06:45  
Local clock offset: -4.965 ms  
Remote clock offset: -42.476 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 45.42 Mbit/s  
95th percentile per-packet one-way delay: 132.721 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 9.34 Mbit/s  
95th percentile per-packet one-way delay: 128.877 ms  
Loss rate: 0.97%  
-- Flow 2:  
Average throughput: 35.28 Mbit/s  
95th percentile per-packet one-way delay: 130.059 ms  
Loss rate: 0.99%  
-- Flow 3:  
Average throughput: 38.77 Mbit/s  
95th percentile per-packet one-way delay: 135.019 ms  
Loss rate: 2.07%

# Run 10: Report of TCP Vegas — Data Link



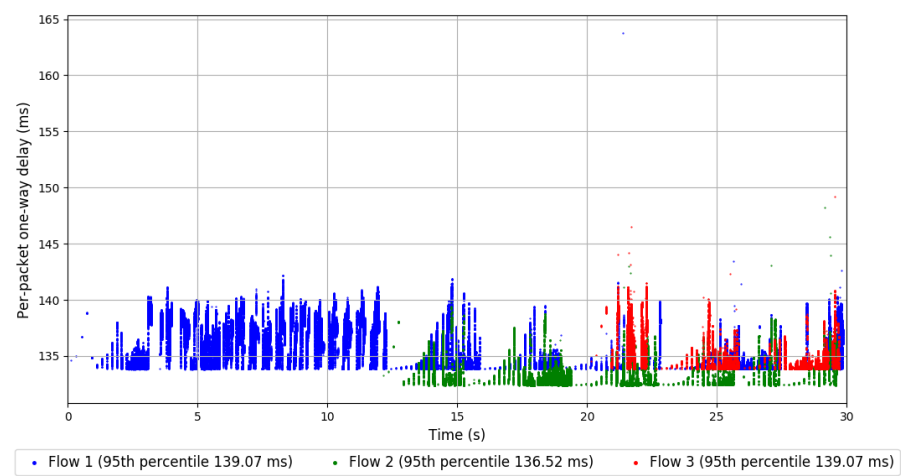
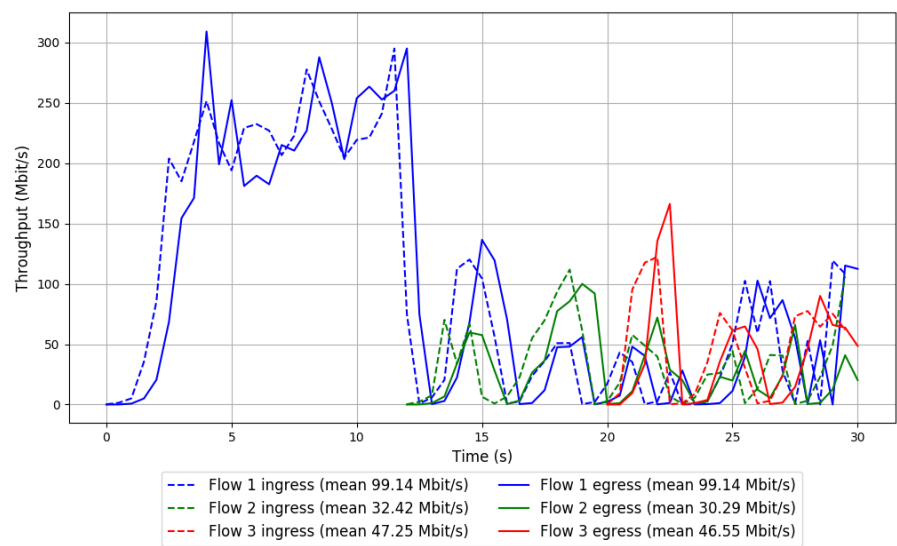
Run 1: Statistics of Verus

Start at: 2018-08-22 19:04:04  
End at: 2018-08-22 19:04:34  
Local clock offset: -0.347 ms  
Remote clock offset: -39.143 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 131.89 Mbit/s  
95th percentile per-packet one-way delay: 138.978 ms  
Loss rate: 1.94%  
-- Flow 1:  
Average throughput: 99.14 Mbit/s  
95th percentile per-packet one-way delay: 139.075 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 30.29 Mbit/s  
95th percentile per-packet one-way delay: 136.521 ms  
Loss rate: 9.12%  
-- Flow 3:  
Average throughput: 46.55 Mbit/s  
95th percentile per-packet one-way delay: 139.068 ms  
Loss rate: 5.27%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

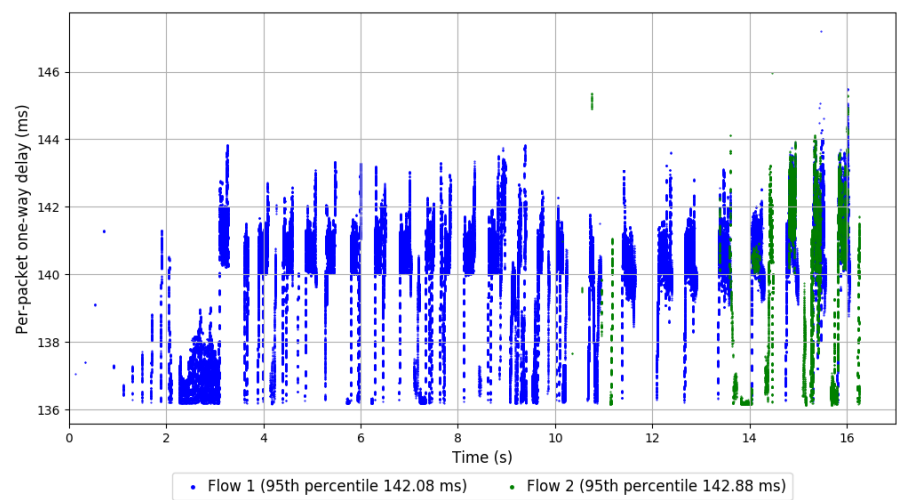
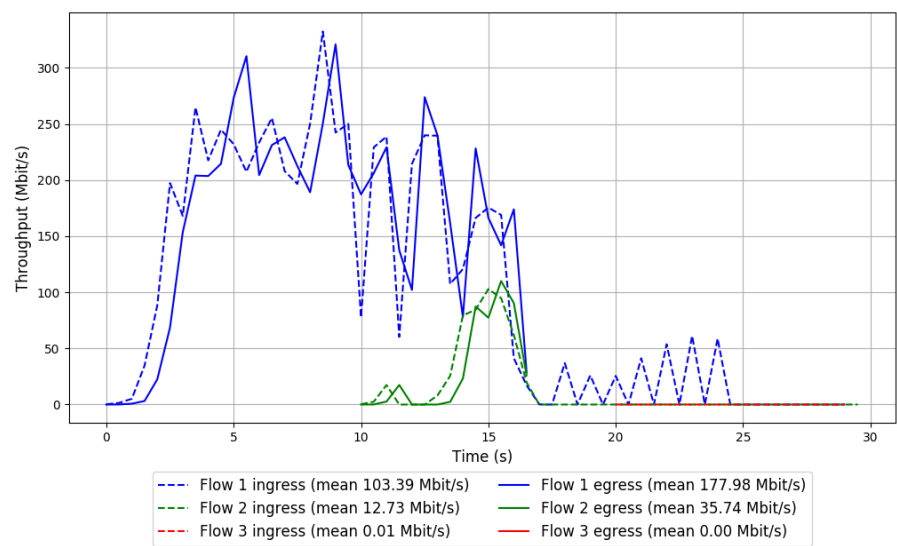
Start at: 2018-08-22 19:34:38

End at: 2018-08-22 19:35:08

Local clock offset: 2.149 ms

Remote clock offset: -38.885 ms

Run 2: Report of Verus — Data Link

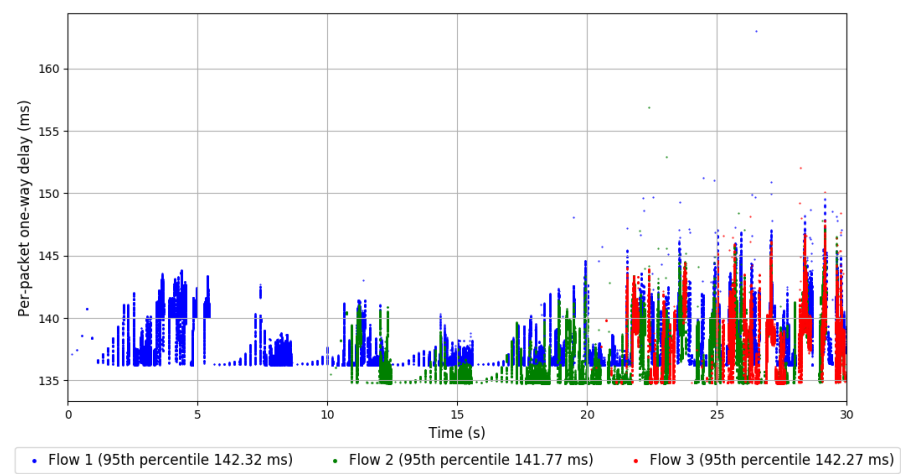
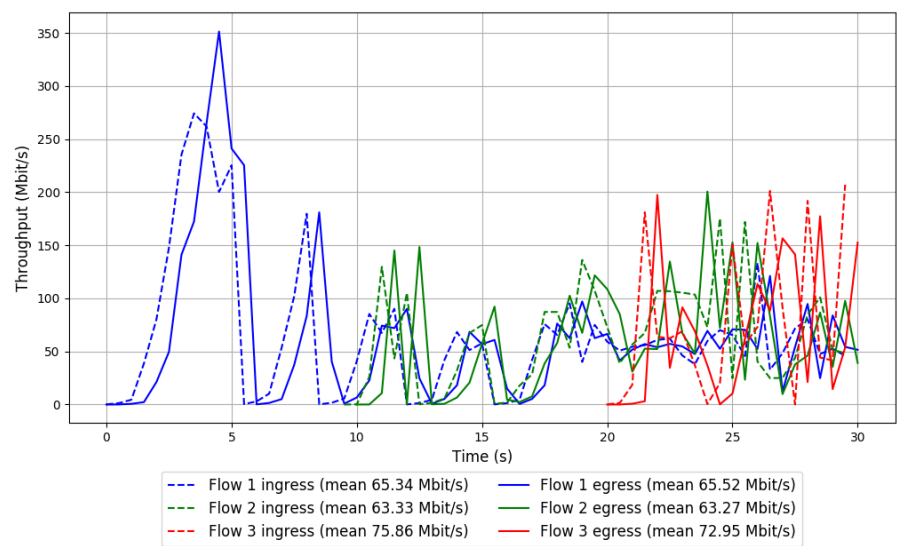


Run 3: Statistics of Verus

Start at: 2018-08-22 20:15:58  
End at: 2018-08-22 20:16:28  
Local clock offset: 0.822 ms  
Remote clock offset: -37.783 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 131.46 Mbit/s  
95th percentile per-packet one-way delay: 142.169 ms  
Loss rate: 1.64%  
-- Flow 1:  
Average throughput: 65.52 Mbit/s  
95th percentile per-packet one-way delay: 142.321 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 63.27 Mbit/s  
95th percentile per-packet one-way delay: 141.768 ms  
Loss rate: 1.13%  
-- Flow 3:  
Average throughput: 72.95 Mbit/s  
95th percentile per-packet one-way delay: 142.269 ms  
Loss rate: 5.73%

Run 3: Report of Verus — Data Link

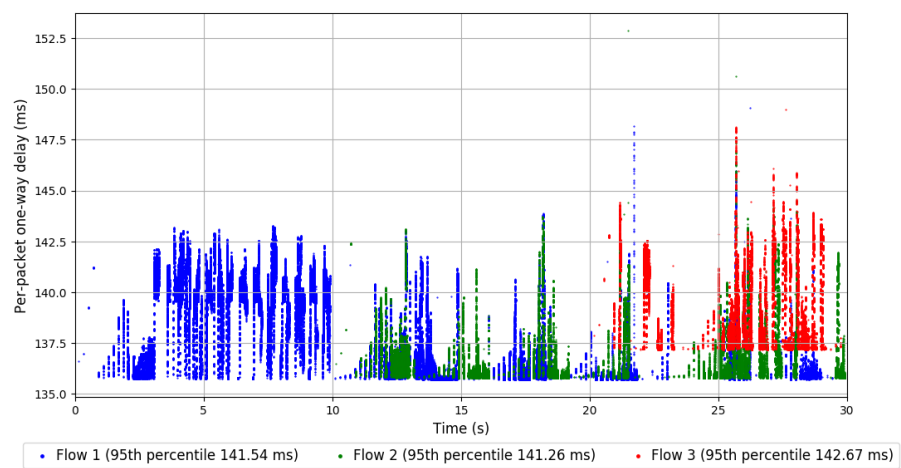
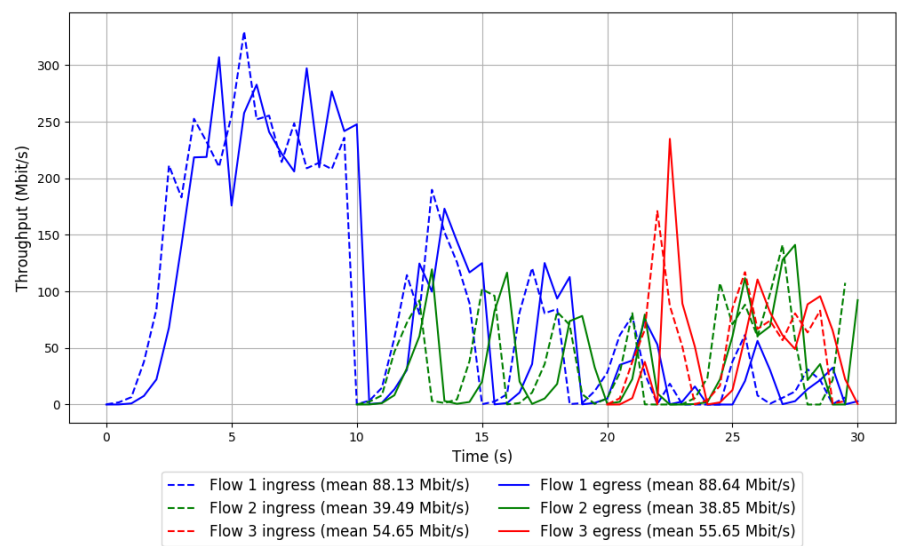


Run 4: Statistics of Verus

Start at: 2018-08-22 20:46:05  
End at: 2018-08-22 20:46:35  
Local clock offset: 0.064 ms  
Remote clock offset: -40.134 ms

# Below is generated by plot.py at 2018-08-23 01:16:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 132.03 Mbit/s  
95th percentile per-packet one-way delay: 141.748 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 88.64 Mbit/s  
95th percentile per-packet one-way delay: 141.539 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 38.85 Mbit/s  
95th percentile per-packet one-way delay: 141.258 ms  
Loss rate: 2.34%  
-- Flow 3:  
Average throughput: 55.65 Mbit/s  
95th percentile per-packet one-way delay: 142.669 ms  
Loss rate: 0.24%

Run 4: Report of Verus — Data Link



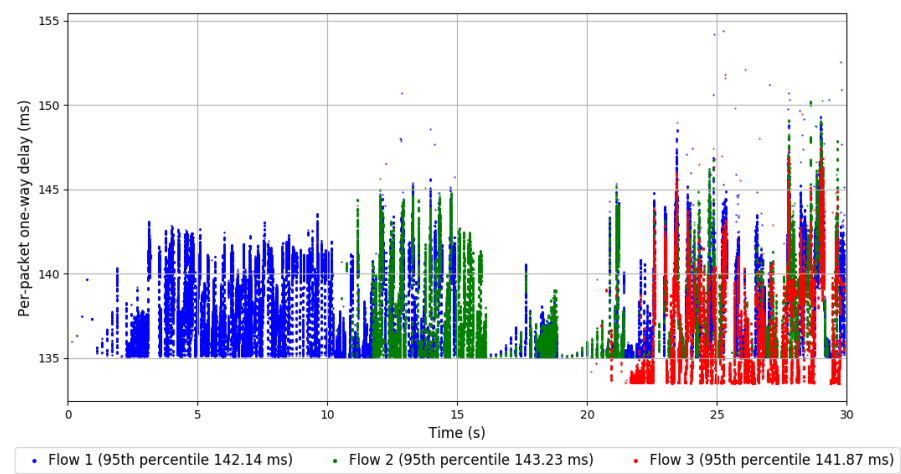
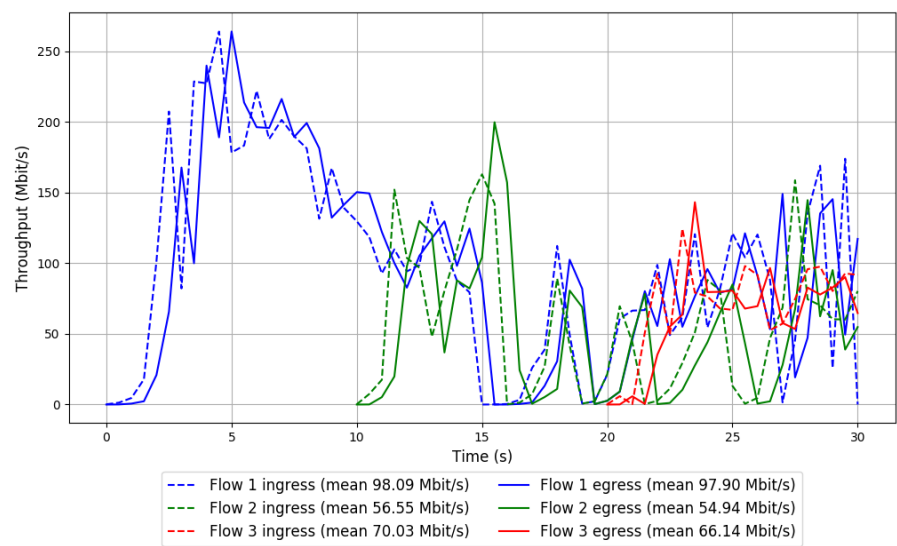
Run 5: Statistics of Verus

Start at: 2018-08-22 21:16:09  
End at: 2018-08-22 21:16:39  
Local clock offset: 0.249 ms  
Remote clock offset: -39.49 ms

# Below is generated by plot.py at 2018-08-23 01:16:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 155.52 Mbit/s  
95th percentile per-packet one-way delay: 142.382 ms  
Loss rate: 3.61%  
-- Flow 1:  
Average throughput: 97.90 Mbit/s  
95th percentile per-packet one-way delay: 142.141 ms  
Loss rate: 0.96%  
-- Flow 2:  
Average throughput: 54.94 Mbit/s  
95th percentile per-packet one-way delay: 143.228 ms  
Loss rate: 5.75%  
-- Flow 3:  
Average throughput: 66.14 Mbit/s  
95th percentile per-packet one-way delay: 141.869 ms  
Loss rate: 11.02%



Run 5: Report of Verus — Data Link

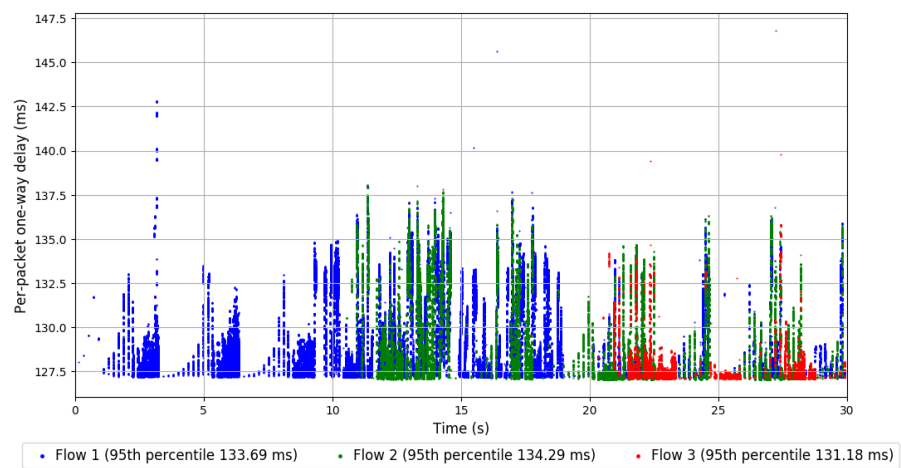
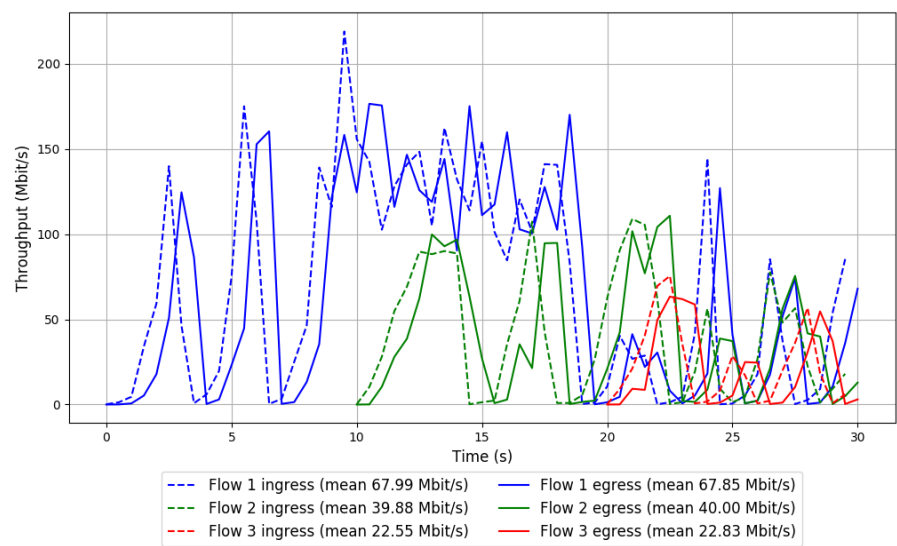


Run 6: Statistics of Verus

Start at: 2018-08-22 21:45:51  
End at: 2018-08-22 21:46:21  
Local clock offset: 1.221 ms  
Remote clock offset: -33.603 ms

# Below is generated by plot.py at 2018-08-23 01:16:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 101.76 Mbit/s  
95th percentile per-packet one-way delay: 133.760 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 67.85 Mbit/s  
95th percentile per-packet one-way delay: 133.695 ms  
Loss rate: 0.86%  
-- Flow 2:  
Average throughput: 40.00 Mbit/s  
95th percentile per-packet one-way delay: 134.289 ms  
Loss rate: 0.66%  
-- Flow 3:  
Average throughput: 22.83 Mbit/s  
95th percentile per-packet one-way delay: 131.176 ms  
Loss rate: 0.77%

Run 6: Report of Verus — Data Link

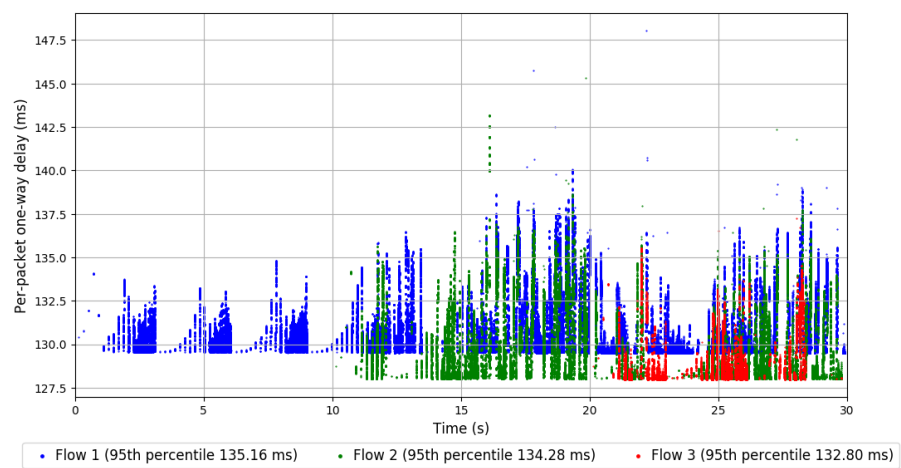
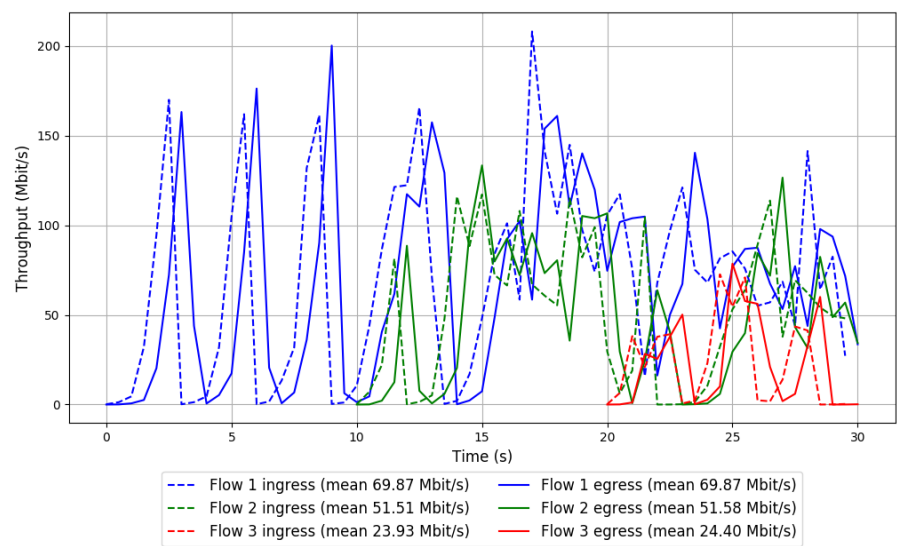


Run 7: Statistics of Verus

Start at: 2018-08-22 22:15:37  
End at: 2018-08-22 22:16:07  
Local clock offset: 1.506 ms  
Remote clock offset: -35.449 ms

# Below is generated by plot.py at 2018-08-23 01:16:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 111.80 Mbit/s  
95th percentile per-packet one-way delay: 134.838 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 69.87 Mbit/s  
95th percentile per-packet one-way delay: 135.159 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 51.58 Mbit/s  
95th percentile per-packet one-way delay: 134.282 ms  
Loss rate: 1.43%  
-- Flow 3:  
Average throughput: 24.40 Mbit/s  
95th percentile per-packet one-way delay: 132.798 ms  
Loss rate: 0.05%

Run 7: Report of Verus — Data Link

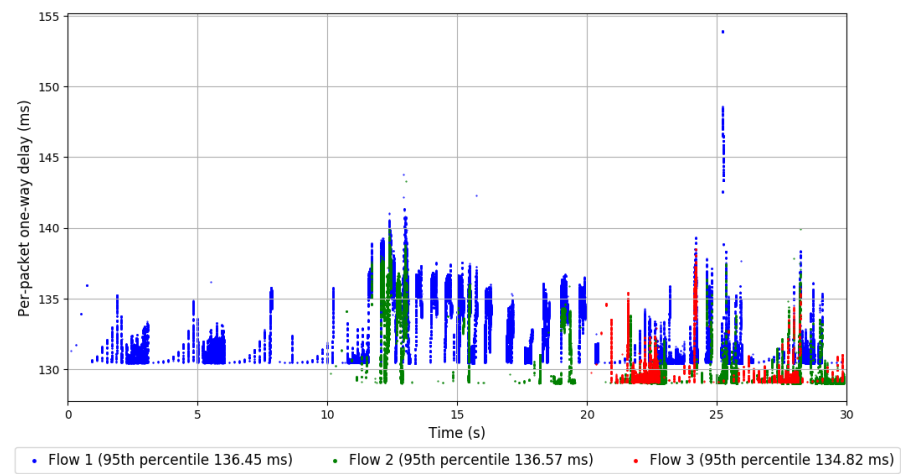
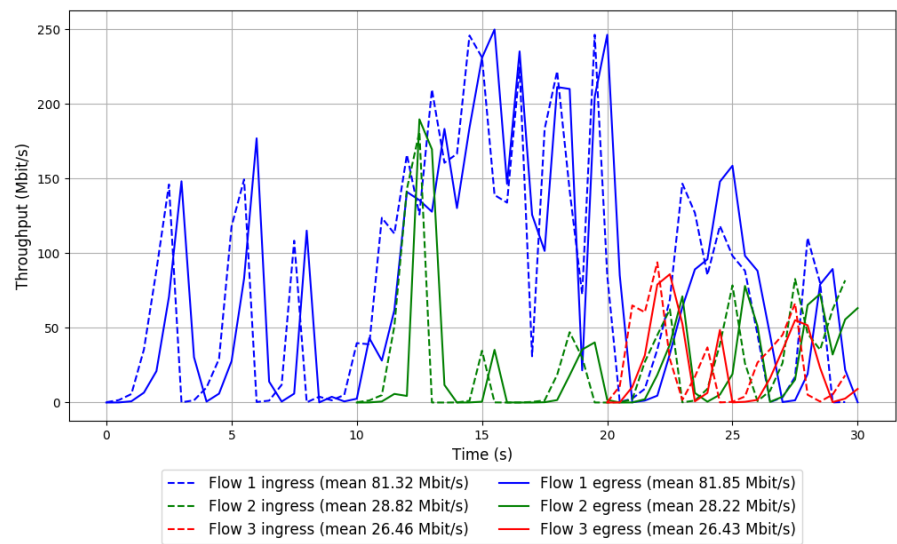


Run 8: Statistics of Verus

Start at: 2018-08-22 22:45:53  
End at: 2018-08-22 22:46:23  
Local clock offset: 2.361 ms  
Remote clock offset: -35.733 ms

# Below is generated by plot.py at 2018-08-23 01:16:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 108.90 Mbit/s  
95th percentile per-packet one-way delay: 136.407 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 81.85 Mbit/s  
95th percentile per-packet one-way delay: 136.452 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 28.22 Mbit/s  
95th percentile per-packet one-way delay: 136.572 ms  
Loss rate: 3.04%  
-- Flow 3:  
Average throughput: 26.43 Mbit/s  
95th percentile per-packet one-way delay: 134.818 ms  
Loss rate: 2.32%

Run 8: Report of Verus — Data Link



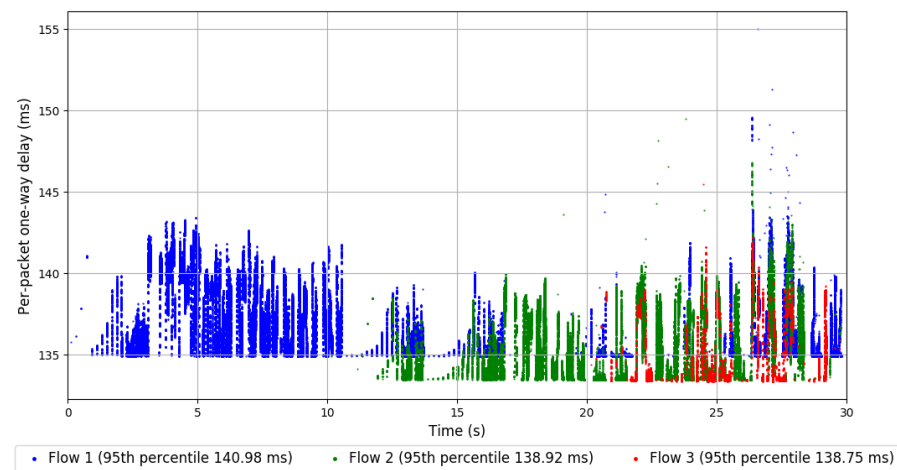
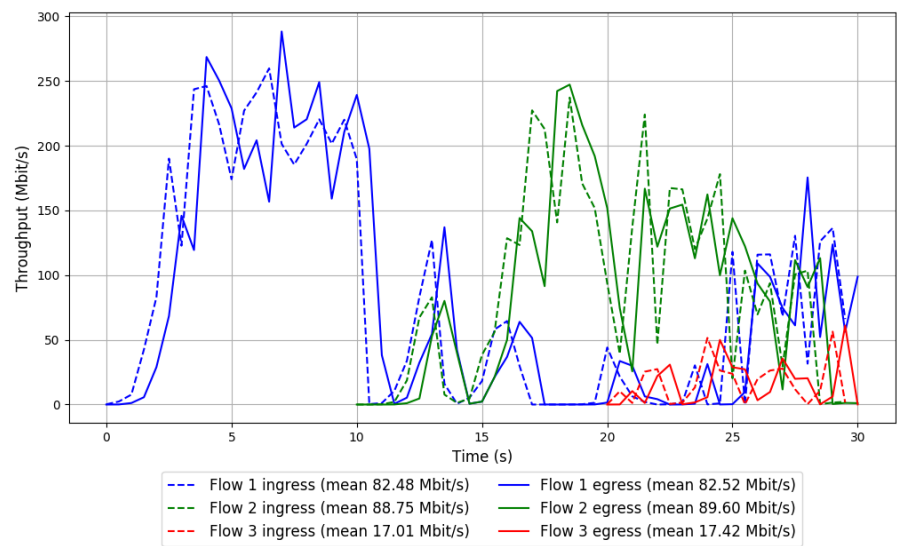
Run 9: Statistics of Verus

Start at: 2018-08-22 23:21:51  
End at: 2018-08-22 23:22:21  
Local clock offset: 2.199 ms  
Remote clock offset: -40.382 ms

# Below is generated by plot.py at 2018-08-23 01:17:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 147.37 Mbit/s  
95th percentile per-packet one-way delay: 140.619 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 82.52 Mbit/s  
95th percentile per-packet one-way delay: 140.976 ms  
Loss rate: 1.01%  
-- Flow 2:  
Average throughput: 89.60 Mbit/s  
95th percentile per-packet one-way delay: 138.919 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 17.42 Mbit/s  
95th percentile per-packet one-way delay: 138.750 ms  
Loss rate: 0.46%



Run 9: Report of Verus — Data Link

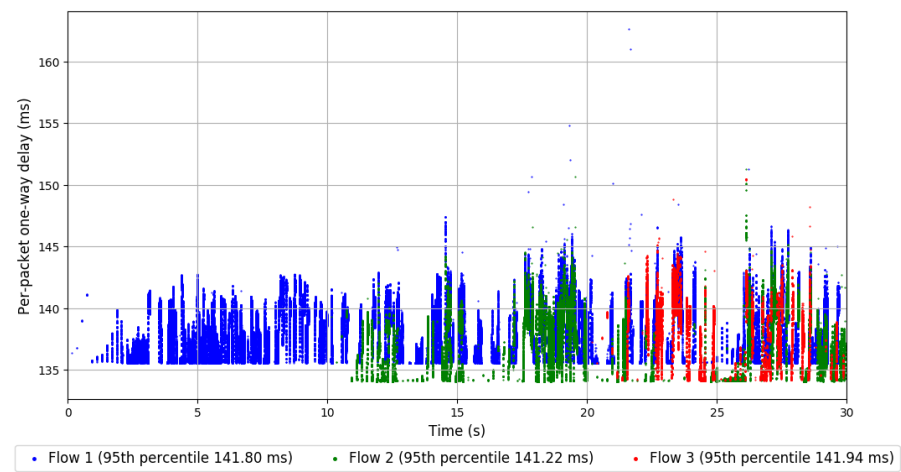
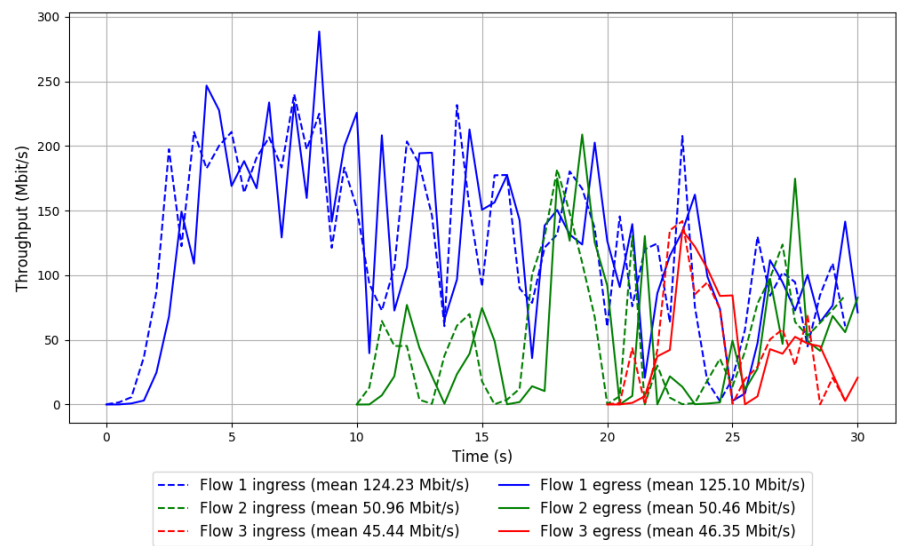


Run 10: Statistics of Verus

Start at: 2018-08-22 23:57:22  
End at: 2018-08-22 23:57:52  
Local clock offset: 3.492 ms  
Remote clock offset: -39.54 ms

# Below is generated by plot.py at 2018-08-23 01:17:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 172.94 Mbit/s  
95th percentile per-packet one-way delay: 141.723 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 125.10 Mbit/s  
95th percentile per-packet one-way delay: 141.801 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.46 Mbit/s  
95th percentile per-packet one-way delay: 141.223 ms  
Loss rate: 1.98%  
-- Flow 3:  
Average throughput: 46.35 Mbit/s  
95th percentile per-packet one-way delay: 141.936 ms  
Loss rate: 0.01%

Run 10: Report of Verus — Data Link

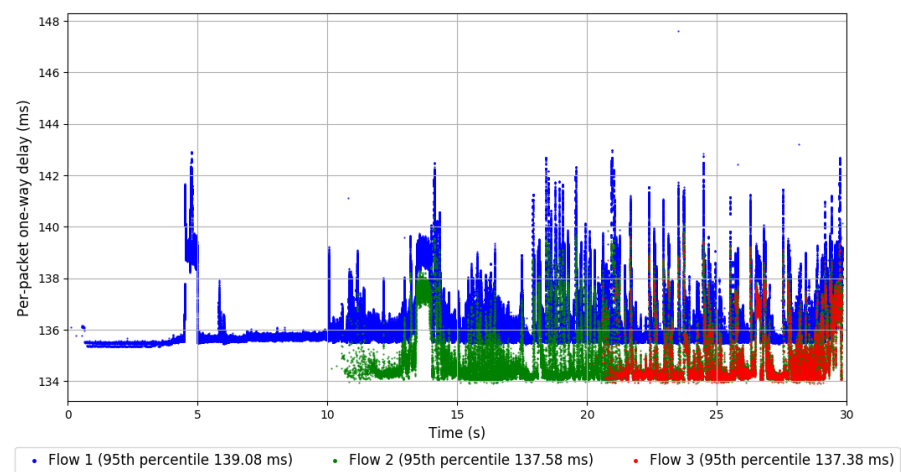
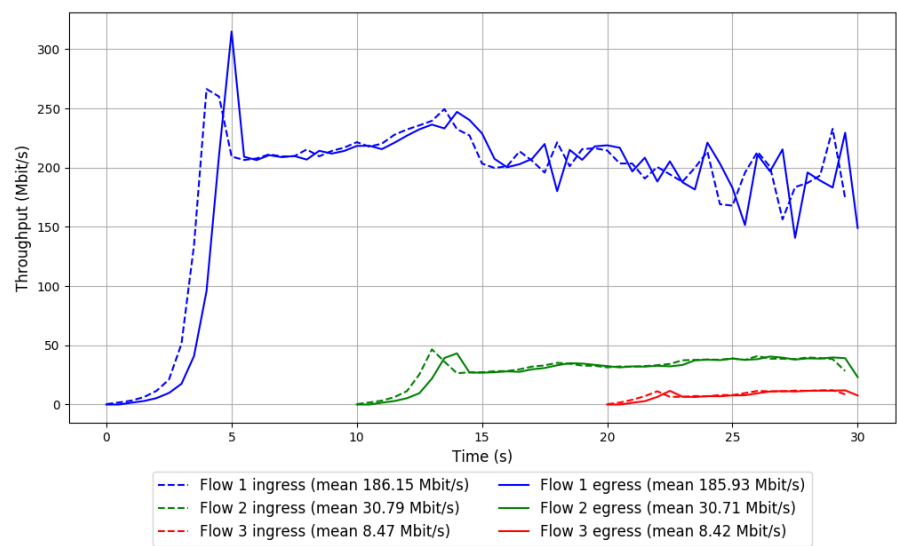


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 19:15:26  
End at: 2018-08-22 19:15:56  
Local clock offset: 2.075 ms  
Remote clock offset: -38.564 ms

# Below is generated by plot.py at 2018-08-23 01:18:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 209.01 Mbit/s  
95th percentile per-packet one-way delay: 139.033 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 185.93 Mbit/s  
95th percentile per-packet one-way delay: 139.078 ms  
Loss rate: 0.78%  
-- Flow 2:  
Average throughput: 30.71 Mbit/s  
95th percentile per-packet one-way delay: 137.579 ms  
Loss rate: 1.22%  
-- Flow 3:  
Average throughput: 8.42 Mbit/s  
95th percentile per-packet one-way delay: 137.377 ms  
Loss rate: 2.59%

Run 1: Report of PCC-Vivace — Data Link

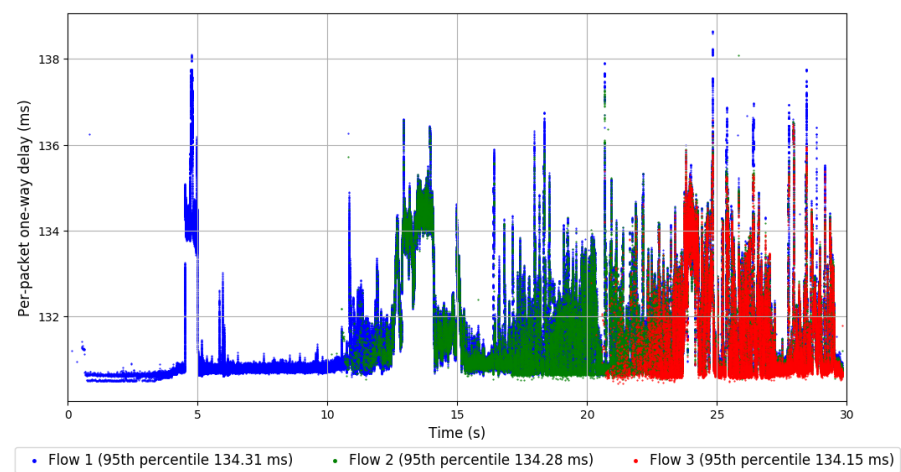
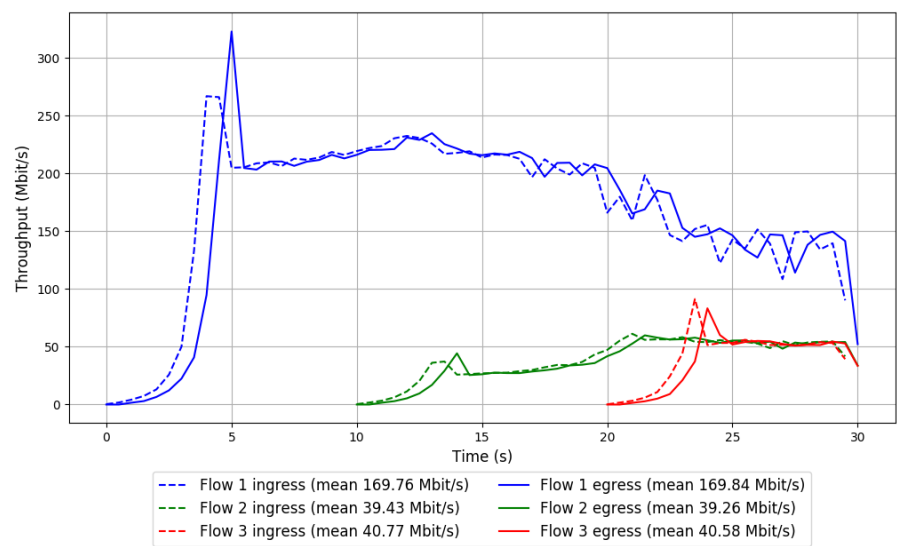


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 19:57:14  
End at: 2018-08-22 19:57:44  
Local clock offset: 1.621 ms  
Remote clock offset: -31.95 ms

# Below is generated by plot.py at 2018-08-23 01:18:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 209.06 Mbit/s  
95th percentile per-packet one-way delay: 134.298 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 169.84 Mbit/s  
95th percentile per-packet one-way delay: 134.312 ms  
Loss rate: 0.61%  
-- Flow 2:  
Average throughput: 39.26 Mbit/s  
95th percentile per-packet one-way delay: 134.280 ms  
Loss rate: 1.42%  
-- Flow 3:  
Average throughput: 40.58 Mbit/s  
95th percentile per-packet one-way delay: 134.154 ms  
Loss rate: 2.46%

Run 2: Report of PCC-Vivace — Data Link



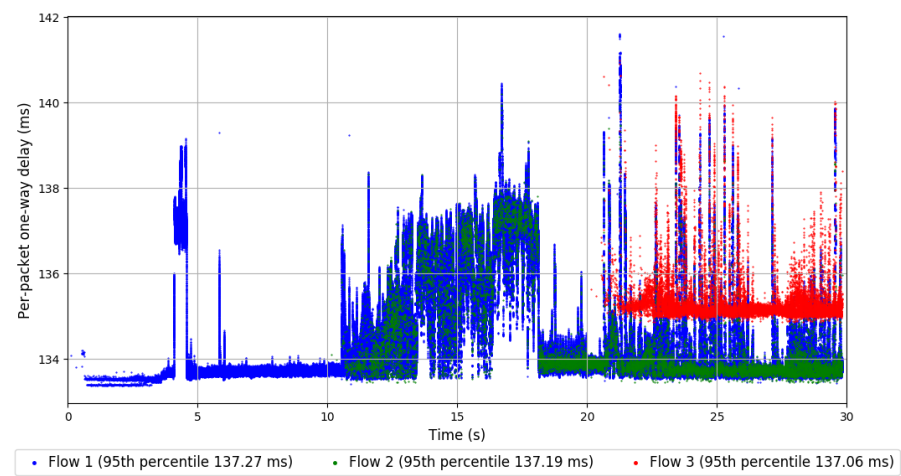
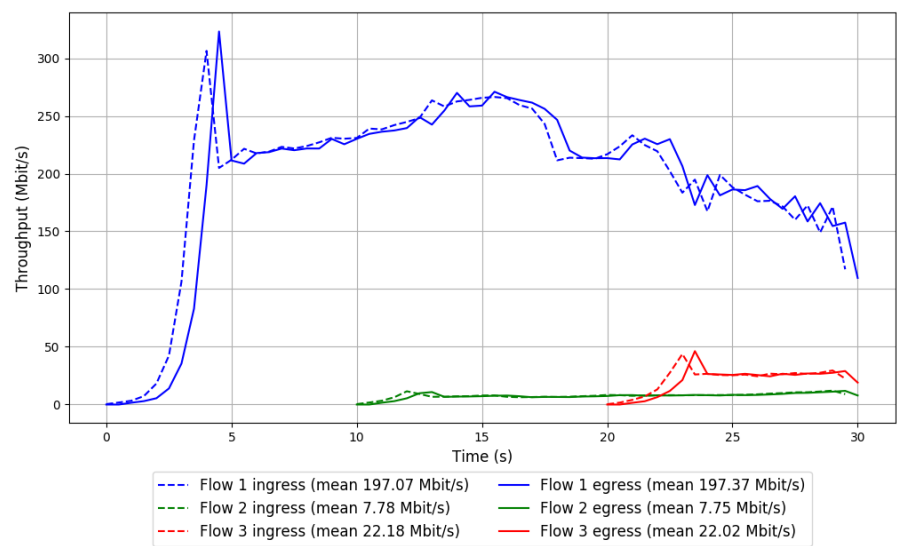
Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 20:27:17  
End at: 2018-08-22 20:27:47  
Local clock offset: -0.21 ms  
Remote clock offset: -37.193 ms

# Below is generated by plot.py at 2018-08-23 01:18:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 209.66 Mbit/s  
95th percentile per-packet one-way delay: 137.264 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 197.37 Mbit/s  
95th percentile per-packet one-way delay: 137.268 ms  
Loss rate: 0.50%  
-- Flow 2:  
Average throughput: 7.75 Mbit/s  
95th percentile per-packet one-way delay: 137.187 ms  
Loss rate: 1.46%  
-- Flow 3:  
Average throughput: 22.02 Mbit/s  
95th percentile per-packet one-way delay: 137.056 ms  
Loss rate: 2.64%



Run 3: Report of PCC-Vivace — Data Link

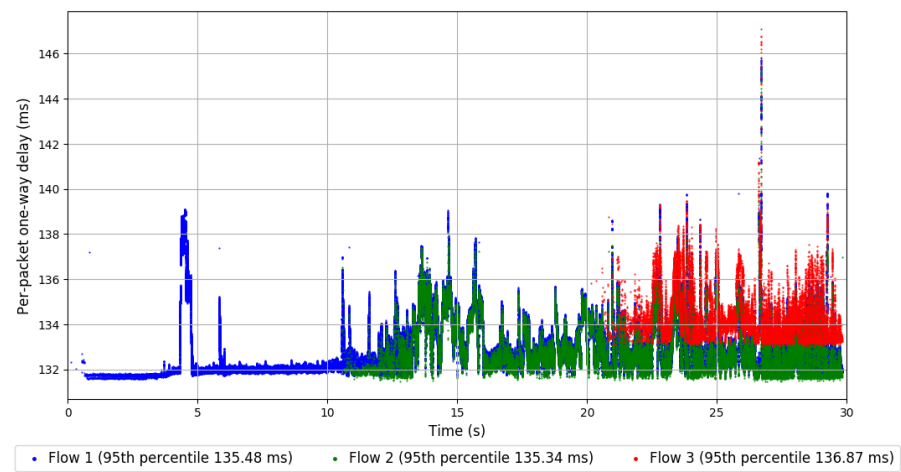
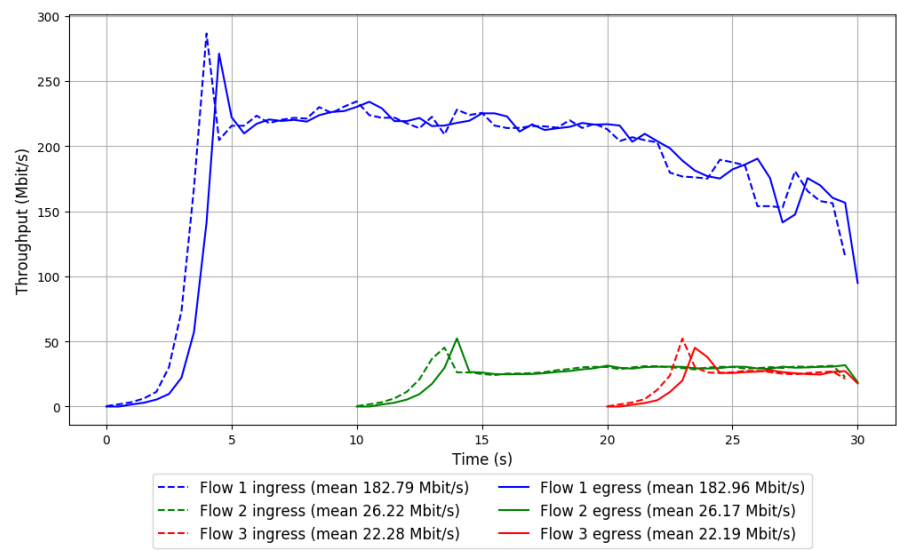


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 20:57:29  
End at: 2018-08-22 20:57:59  
Local clock offset: 1.542 ms  
Remote clock offset: -35.083 ms

# Below is generated by plot.py at 2018-08-23 01:18:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 207.50 Mbit/s  
95th percentile per-packet one-way delay: 135.536 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 182.96 Mbit/s  
95th percentile per-packet one-way delay: 135.479 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 26.17 Mbit/s  
95th percentile per-packet one-way delay: 135.345 ms  
Loss rate: 1.16%  
-- Flow 3:  
Average throughput: 22.19 Mbit/s  
95th percentile per-packet one-way delay: 136.873 ms  
Loss rate: 2.44%

Run 4: Report of PCC-Vivace — Data Link

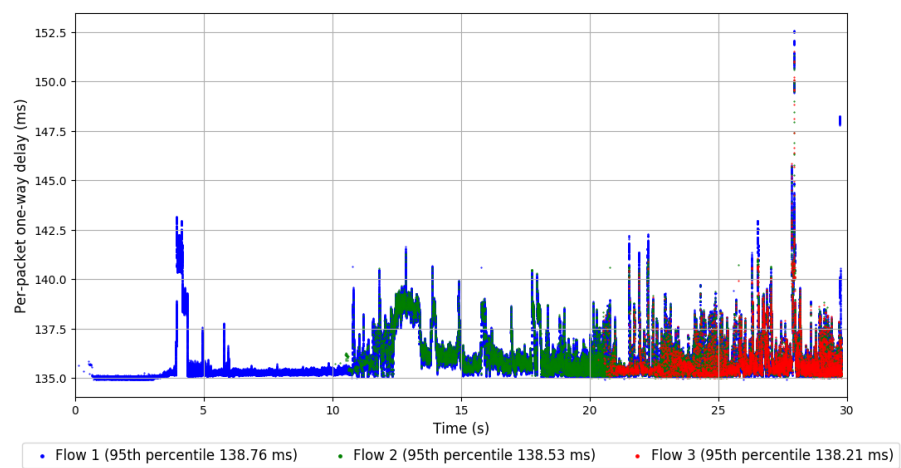
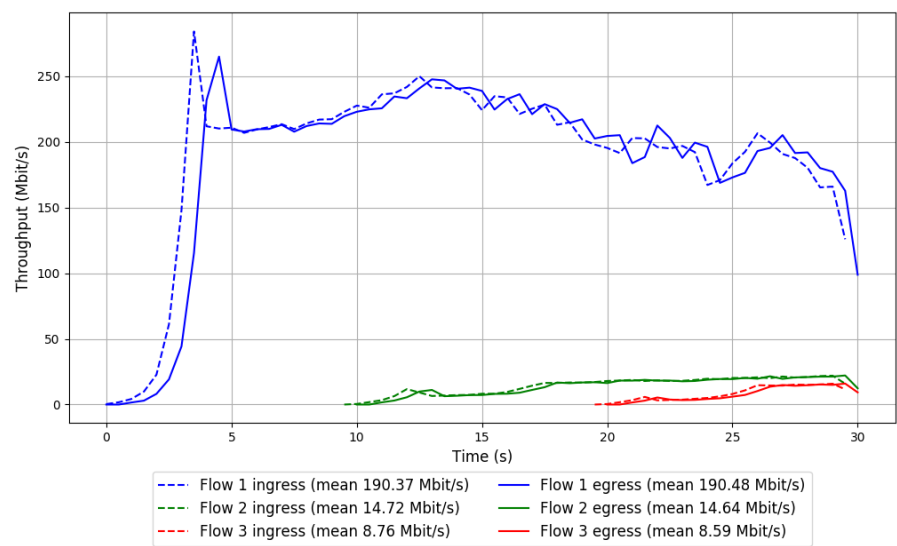


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 21:27:27  
End at: 2018-08-22 21:27:57  
Local clock offset: 1.148 ms  
Remote clock offset: -39.269 ms

# Below is generated by plot.py at 2018-08-23 01:19:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 202.96 Mbit/s  
95th percentile per-packet one-way delay: 138.748 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 190.48 Mbit/s  
95th percentile per-packet one-way delay: 138.763 ms  
Loss rate: 0.61%  
-- Flow 2:  
Average throughput: 14.64 Mbit/s  
95th percentile per-packet one-way delay: 138.528 ms  
Loss rate: 1.57%  
-- Flow 3:  
Average throughput: 8.59 Mbit/s  
95th percentile per-packet one-way delay: 138.210 ms  
Loss rate: 3.81%

Run 5: Report of PCC-Vivace — Data Link

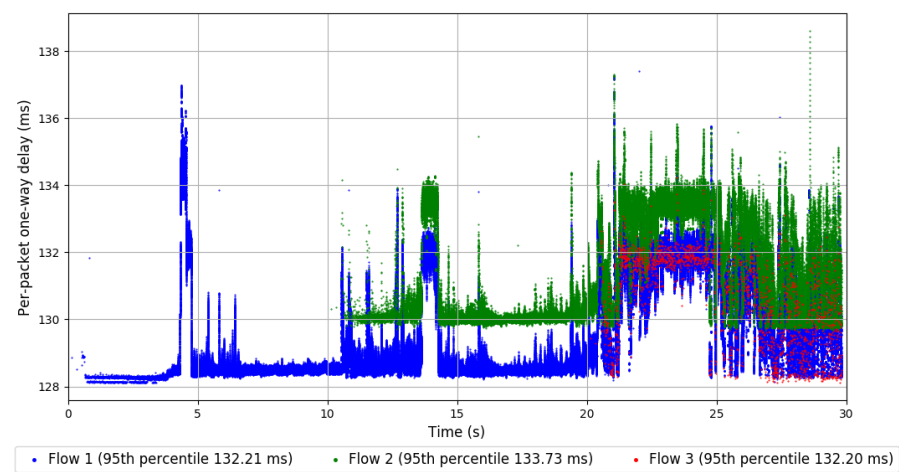
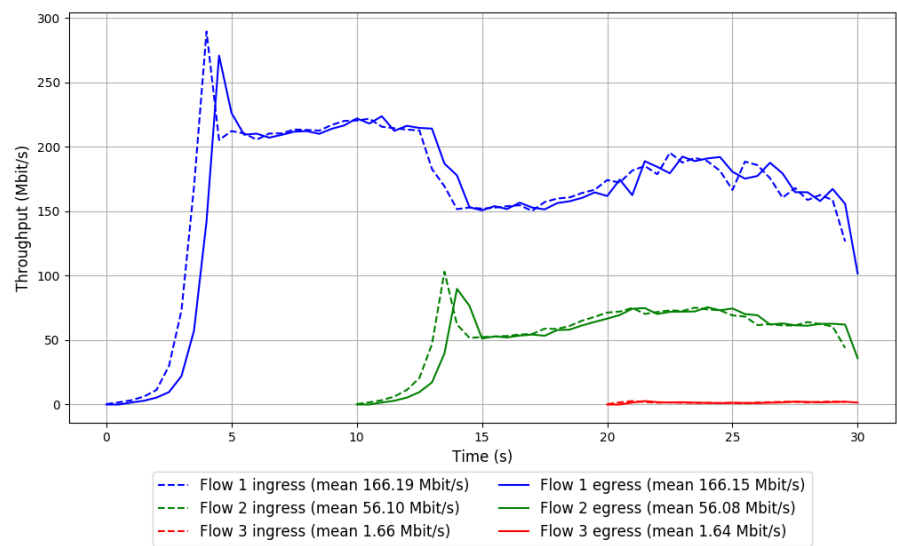


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 21:57:06  
End at: 2018-08-22 21:57:36  
Local clock offset: 0.975 ms  
Remote clock offset: -35.398 ms

# Below is generated by plot.py at 2018-08-23 01:19:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 203.85 Mbit/s  
95th percentile per-packet one-way delay: 133.376 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 166.15 Mbit/s  
95th percentile per-packet one-way delay: 132.212 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 56.08 Mbit/s  
95th percentile per-packet one-way delay: 133.727 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 1.64 Mbit/s  
95th percentile per-packet one-way delay: 132.201 ms  
Loss rate: 3.42%

Run 6: Report of PCC-Vivace — Data Link



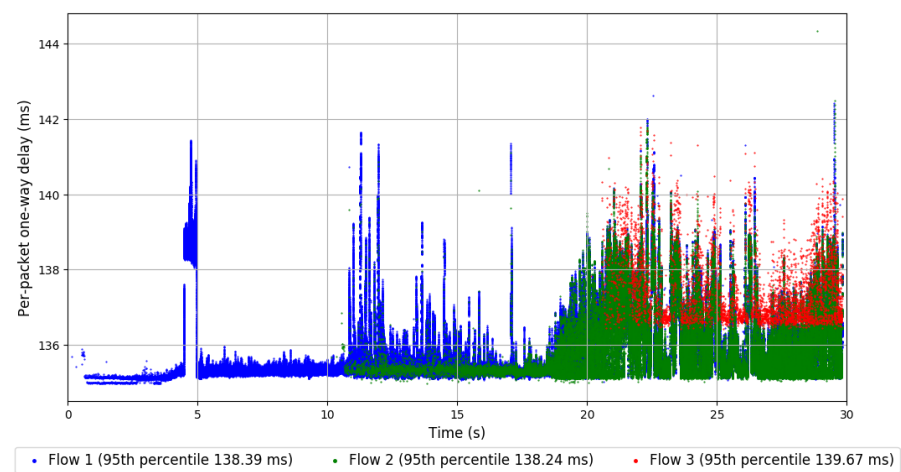
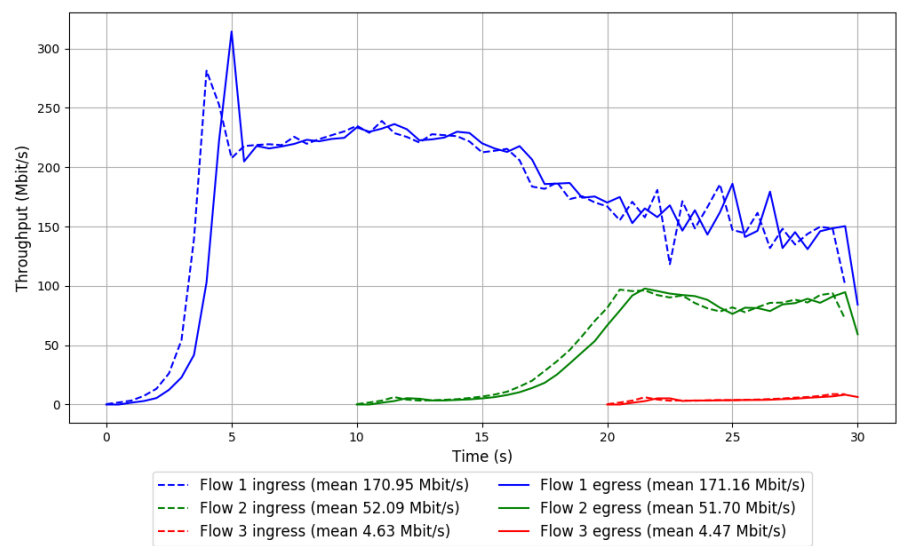
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 22:27:06  
End at: 2018-08-22 22:27:36  
Local clock offset: 4.544 ms  
Remote clock offset: -39.987 ms

# Below is generated by plot.py at 2018-08-23 01:19:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 206.88 Mbit/s  
95th percentile per-packet one-way delay: 138.374 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 171.16 Mbit/s  
95th percentile per-packet one-way delay: 138.388 ms  
Loss rate: 0.53%  
-- Flow 2:  
Average throughput: 51.70 Mbit/s  
95th percentile per-packet one-way delay: 138.239 ms  
Loss rate: 1.79%  
-- Flow 3:  
Average throughput: 4.47 Mbit/s  
95th percentile per-packet one-way delay: 139.672 ms  
Loss rate: 5.52%



Run 7: Report of PCC-Vivace — Data Link

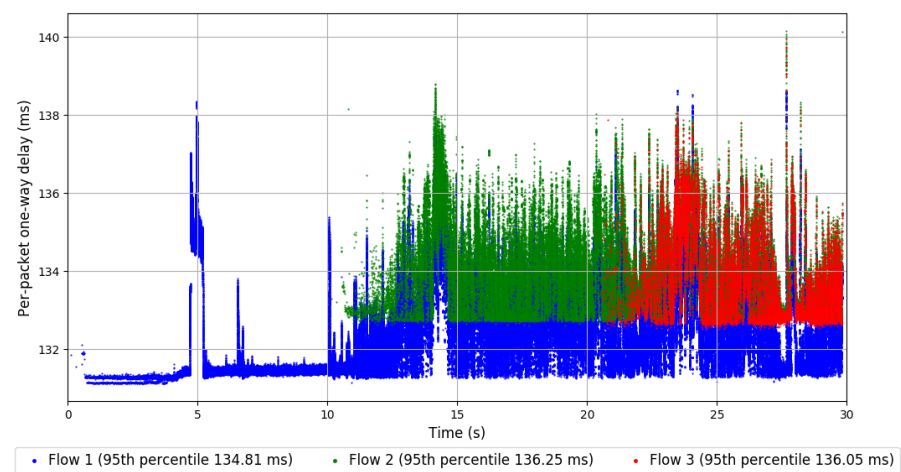
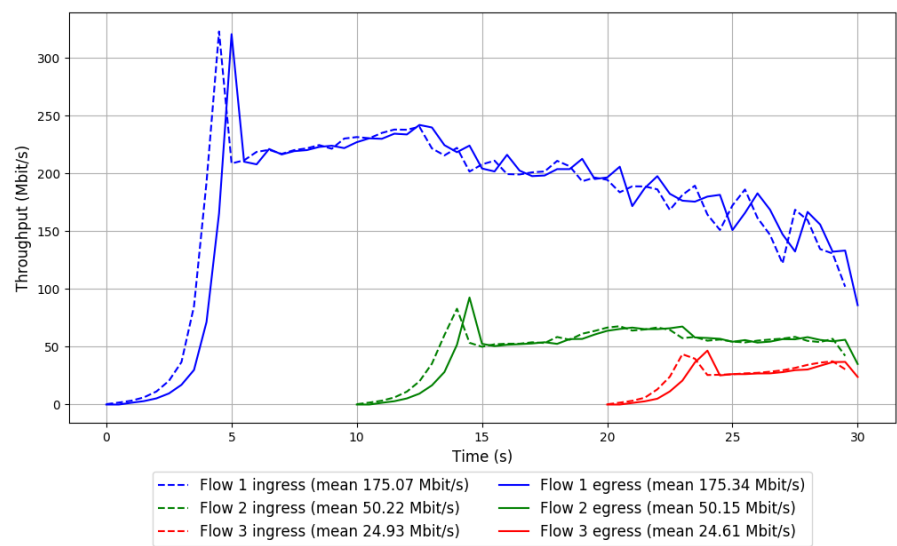


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 23:08:39  
End at: 2018-08-22 23:09:09  
Local clock offset: 3.81 ms  
Remote clock offset: -36.783 ms

# Below is generated by plot.py at 2018-08-23 01:19:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 216.55 Mbit/s  
95th percentile per-packet one-way delay: 135.285 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 175.34 Mbit/s  
95th percentile per-packet one-way delay: 134.815 ms  
Loss rate: 0.50%  
-- Flow 2:  
Average throughput: 50.15 Mbit/s  
95th percentile per-packet one-way delay: 136.248 ms  
Loss rate: 1.11%  
-- Flow 3:  
Average throughput: 24.61 Mbit/s  
95th percentile per-packet one-way delay: 136.051 ms  
Loss rate: 3.36%

Run 8: Report of PCC-Vivace — Data Link

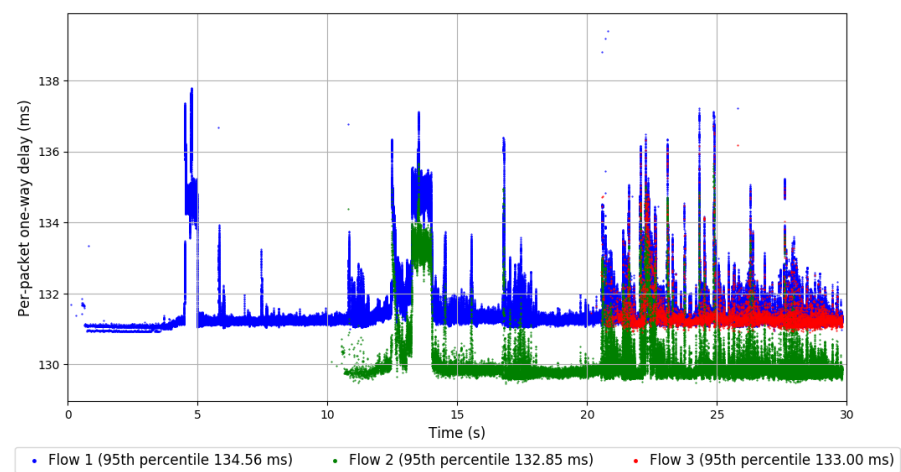
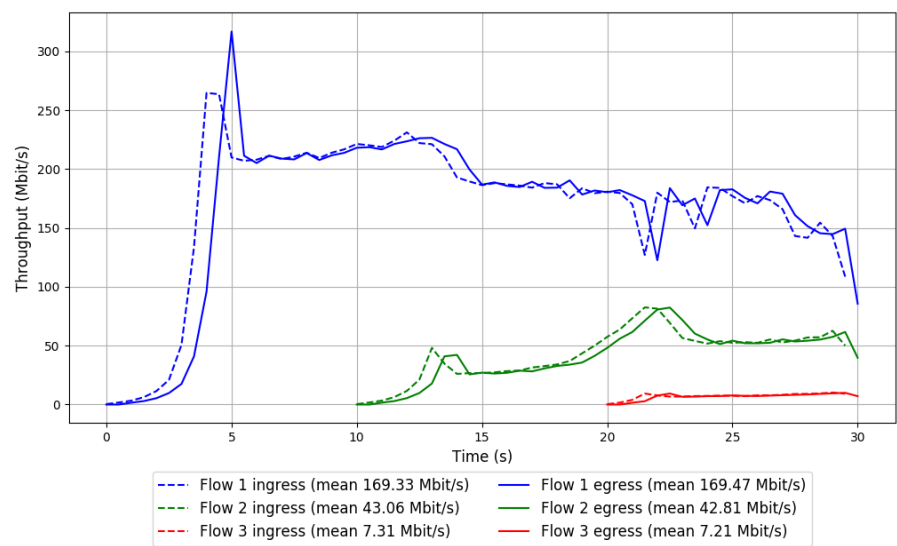


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 23:38:52  
End at: 2018-08-22 23:39:22  
Local clock offset: 3.672 ms  
Remote clock offset: -35.139 ms

# Below is generated by plot.py at 2018-08-23 01:20:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 200.20 Mbit/s  
95th percentile per-packet one-way delay: 134.467 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 169.47 Mbit/s  
95th percentile per-packet one-way delay: 134.561 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 42.81 Mbit/s  
95th percentile per-packet one-way delay: 132.853 ms  
Loss rate: 1.55%  
-- Flow 3:  
Average throughput: 7.21 Mbit/s  
95th percentile per-packet one-way delay: 133.002 ms  
Loss rate: 3.35%

Run 9: Report of PCC-Vivace — Data Link

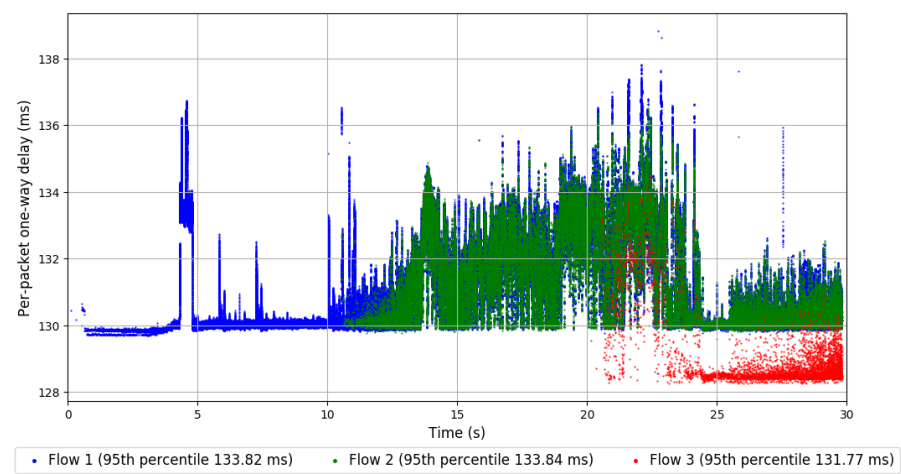
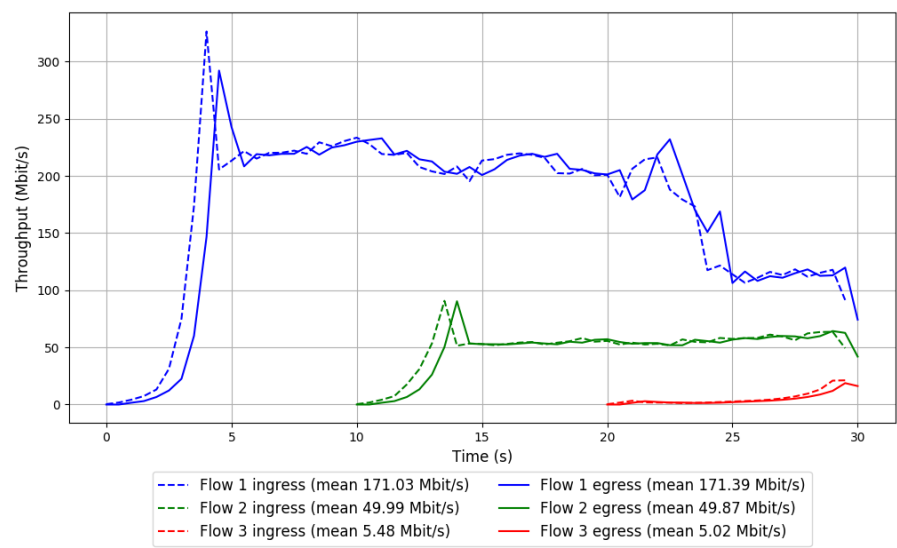


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-23 00:08:52  
End at: 2018-08-23 00:09:22  
Local clock offset: 1.653 ms  
Remote clock offset: -35.353 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 206.06 Mbit/s  
95th percentile per-packet one-way delay: 133.819 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 171.39 Mbit/s  
95th percentile per-packet one-way delay: 133.821 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 49.87 Mbit/s  
95th percentile per-packet one-way delay: 133.841 ms  
Loss rate: 1.23%  
-- Flow 3:  
Average throughput: 5.02 Mbit/s  
95th percentile per-packet one-way delay: 131.768 ms  
Loss rate: 10.23%

Run 10: Report of PCC-Vivace — Data Link



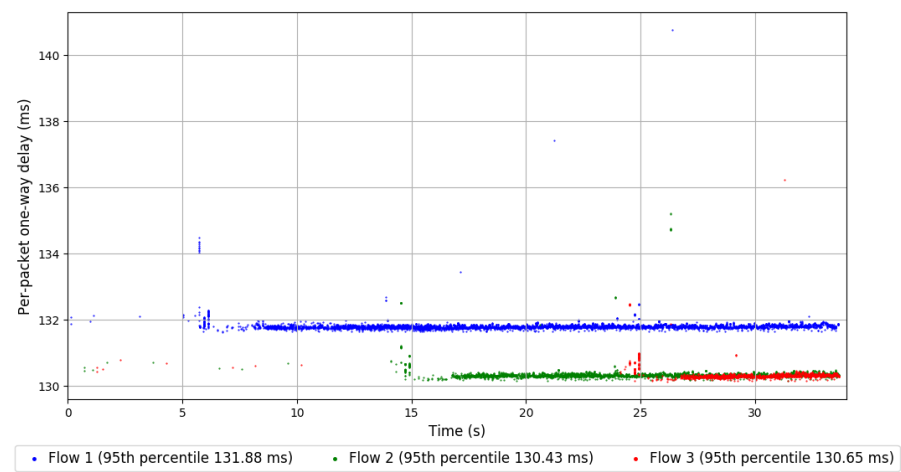
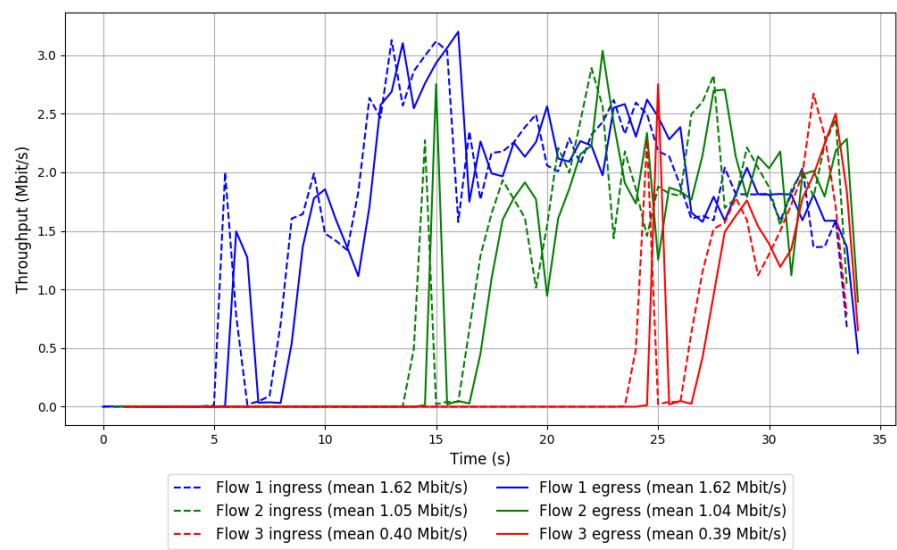
```
Run 1: Statistics of WebRTC media

Start at: 2018-08-22 19:19:38
End at: 2018-08-22 19:20:08
Local clock offset: 1.241 ms
Remote clock offset: -35.513 ms

# Below is generated by plot.py at 2018-08-23 01:20:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 131.853 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 131.878 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 130.434 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 130.648 ms
Loss rate: 2.49%
```



Run 1: Report of WebRTC media — Data Link

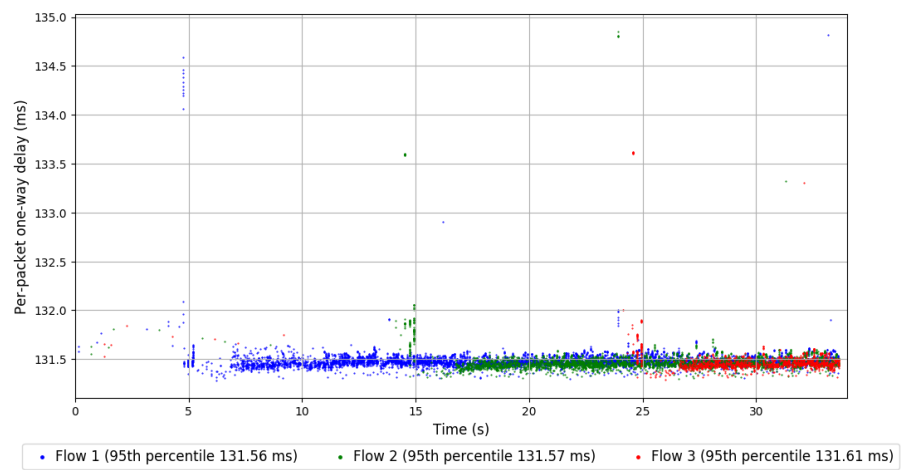
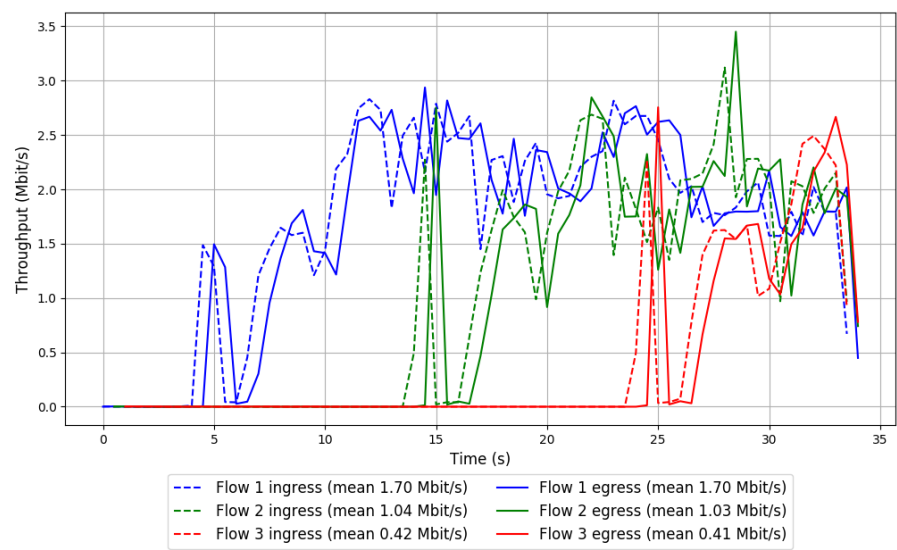


Run 2: Statistics of WebRTC media

Start at: 2018-08-22 20:01:26  
End at: 2018-08-22 20:01:56  
Local clock offset: -0.802 ms  
Remote clock offset: -35.058 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.11 Mbit/s  
95th percentile per-packet one-way delay: 131.568 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 1.70 Mbit/s  
95th percentile per-packet one-way delay: 131.560 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 1.03 Mbit/s  
95th percentile per-packet one-way delay: 131.571 ms  
Loss rate: 1.30%  
-- Flow 3:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 131.608 ms  
Loss rate: 2.85%

Run 2: Report of WebRTC media — Data Link

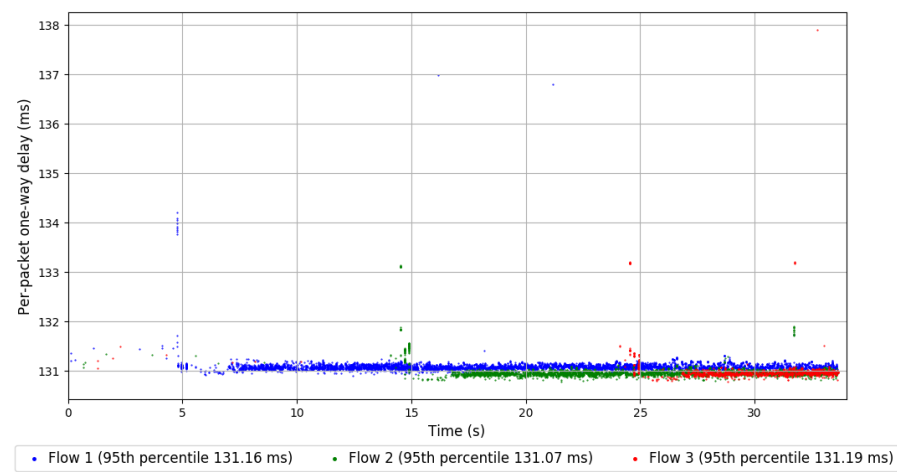
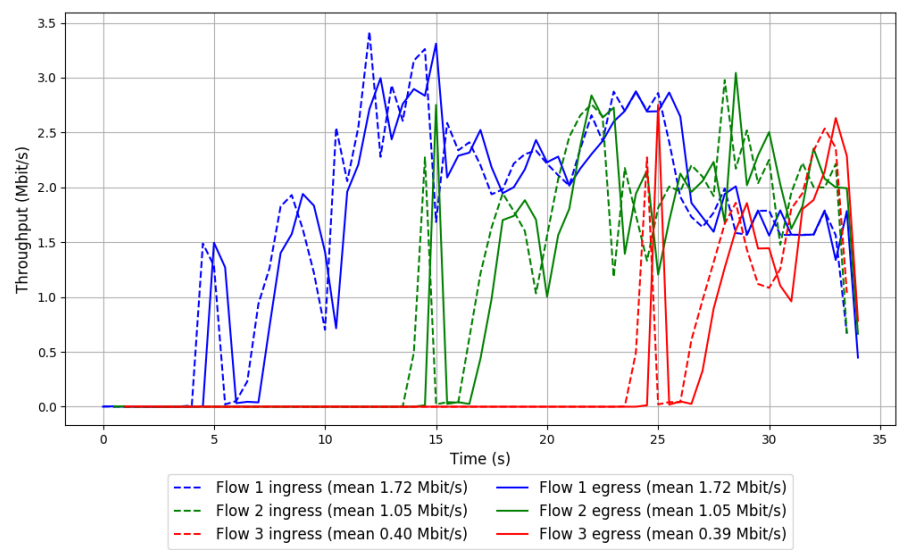


Run 3: Statistics of WebRTC media

Start at: 2018-08-22 20:31:29  
End at: 2018-08-22 20:31:59  
Local clock offset: -1.617 ms  
Remote clock offset: -34.384 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.12 Mbit/s  
95th percentile per-packet one-way delay: 131.160 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 1.72 Mbit/s  
95th percentile per-packet one-way delay: 131.165 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 1.05 Mbit/s  
95th percentile per-packet one-way delay: 131.067 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 131.185 ms  
Loss rate: 3.46%

Run 3: Report of WebRTC media — Data Link

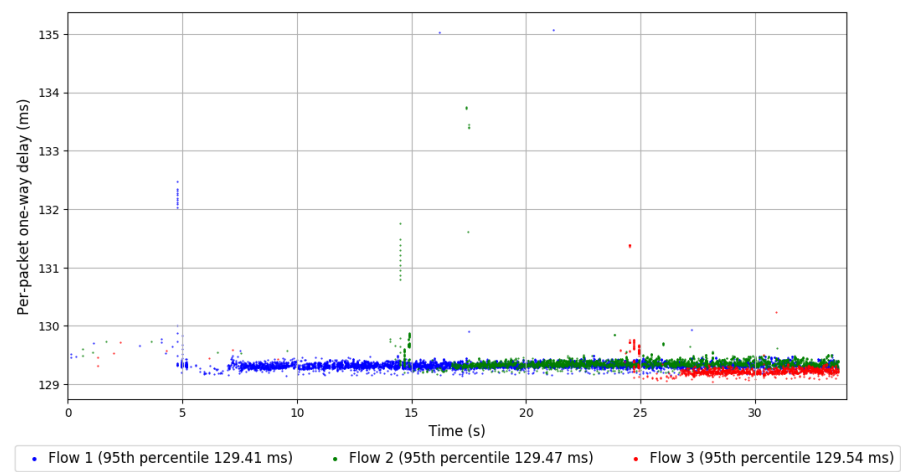
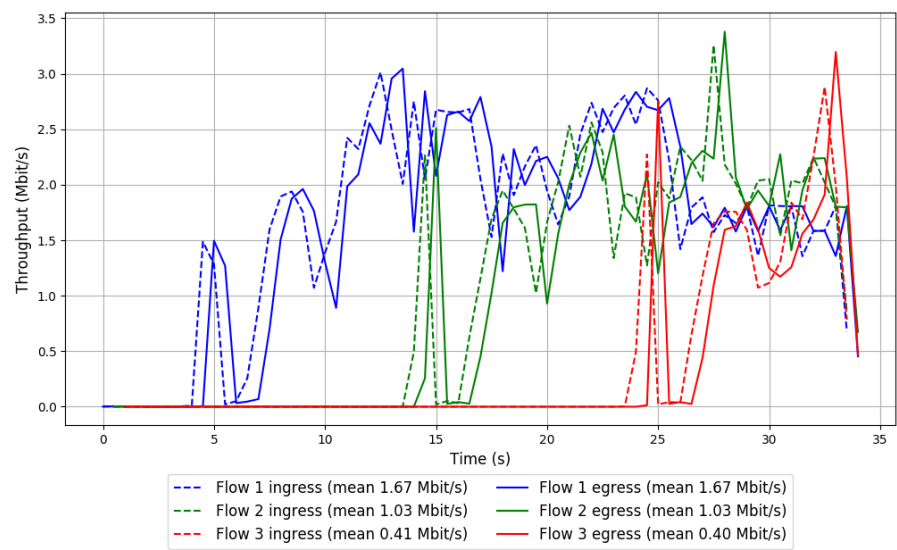


Run 4: Statistics of WebRTC media

Start at: 2018-08-22 21:01:42  
End at: 2018-08-22 21:02:12  
Local clock offset: 1.057 ms  
Remote clock offset: -33.301 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.07 Mbit/s  
95th percentile per-packet one-way delay: 129.435 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 1.67 Mbit/s  
95th percentile per-packet one-way delay: 129.411 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 1.03 Mbit/s  
95th percentile per-packet one-way delay: 129.466 ms  
Loss rate: 1.25%  
-- Flow 3:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 129.537 ms  
Loss rate: 2.97%

Run 4: Report of WebRTC media — Data Link



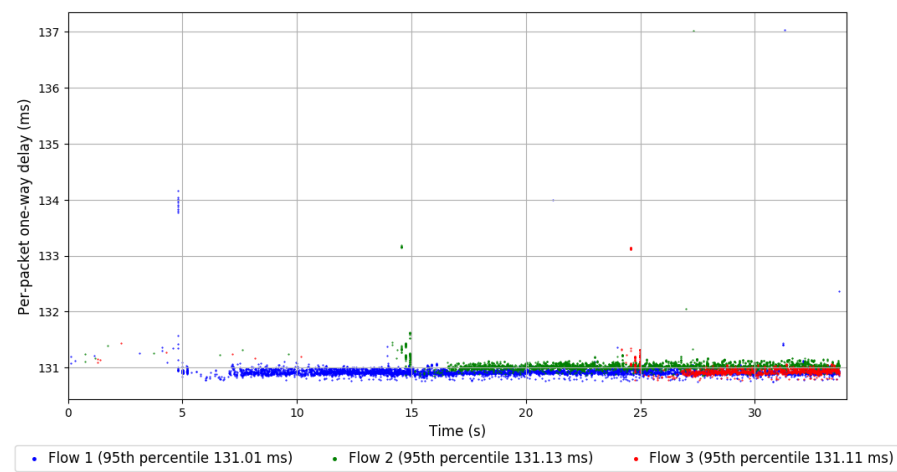
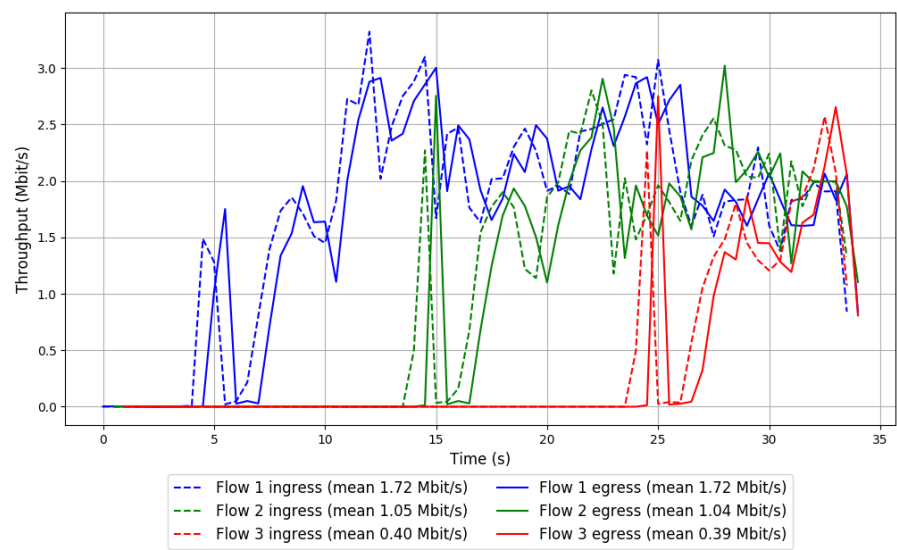
Run 5: Statistics of WebRTC media

Start at: 2018-08-22 21:37:06  
End at: 2018-08-22 21:37:36  
Local clock offset: -1.26 ms  
Remote clock offset: -39.419 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.11 Mbit/s  
95th percentile per-packet one-way delay: 131.088 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 1.72 Mbit/s  
95th percentile per-packet one-way delay: 131.007 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 1.04 Mbit/s  
95th percentile per-packet one-way delay: 131.134 ms  
Loss rate: 1.28%  
-- Flow 3:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 131.107 ms  
Loss rate: 3.10%



Run 5: Report of WebRTC media — Data Link

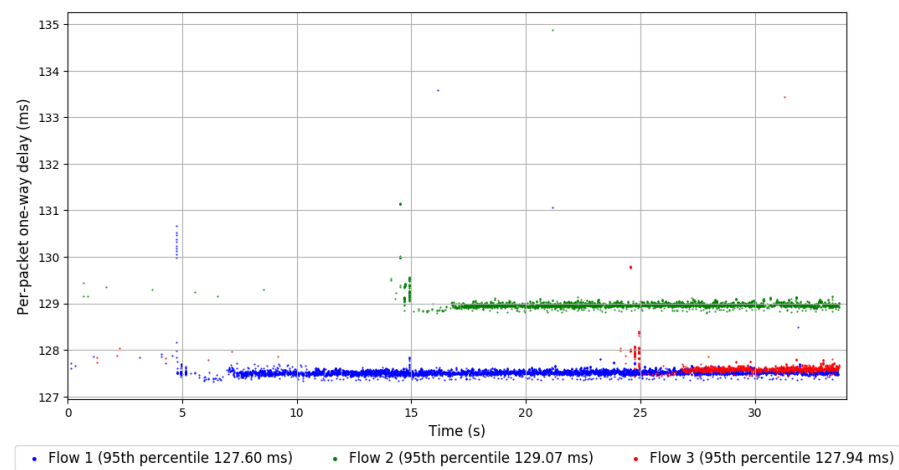
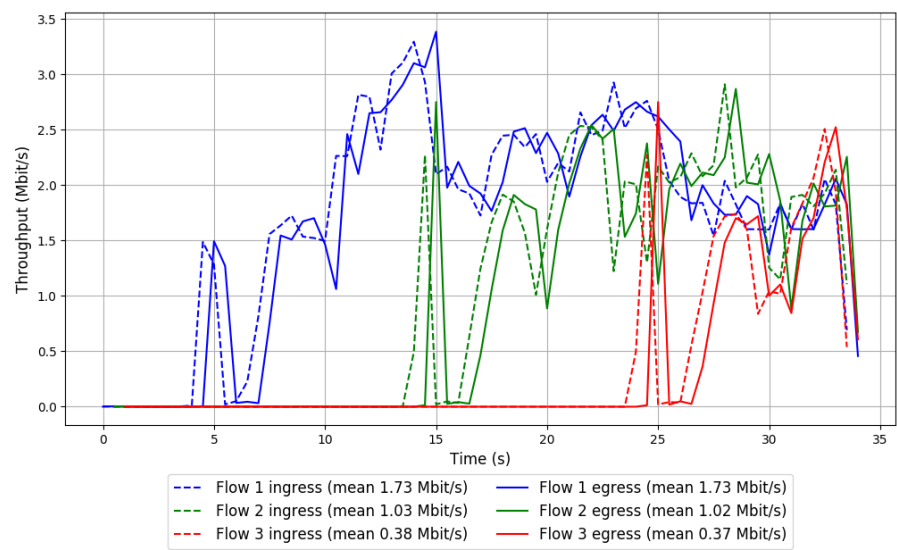


Run 6: Statistics of WebRTC media

Start at: 2018-08-22 22:01:16  
End at: 2018-08-22 22:01:46  
Local clock offset: 0.597 ms  
Remote clock offset: -35.079 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.09 Mbit/s  
95th percentile per-packet one-way delay: 129.017 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 1.73 Mbit/s  
95th percentile per-packet one-way delay: 127.596 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 1.02 Mbit/s  
95th percentile per-packet one-way delay: 129.073 ms  
Loss rate: 1.29%  
-- Flow 3:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 127.945 ms  
Loss rate: 1.89%

Run 6: Report of WebRTC media — Data Link

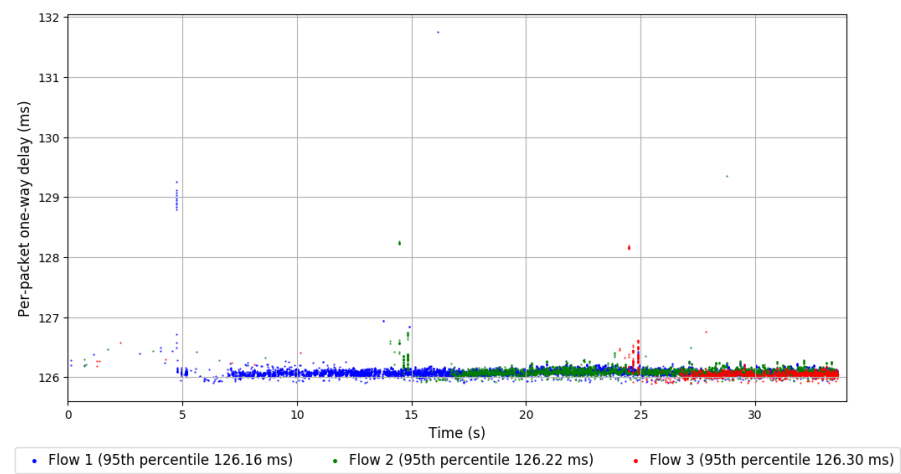
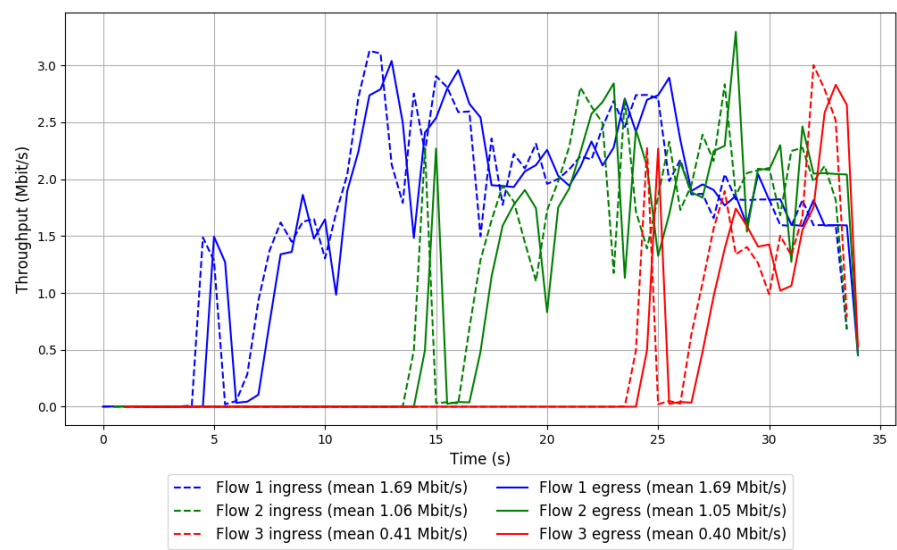


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 22:31:17  
End at: 2018-08-22 22:31:47  
Local clock offset: 1.403 ms  
Remote clock offset: -34.114 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.10 Mbit/s  
95th percentile per-packet one-way delay: 126.180 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 1.69 Mbit/s  
95th percentile per-packet one-way delay: 126.163 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 1.05 Mbit/s  
95th percentile per-packet one-way delay: 126.215 ms  
Loss rate: 0.98%  
-- Flow 3:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 126.296 ms  
Loss rate: 2.96%

Run 7: Report of WebRTC media — Data Link

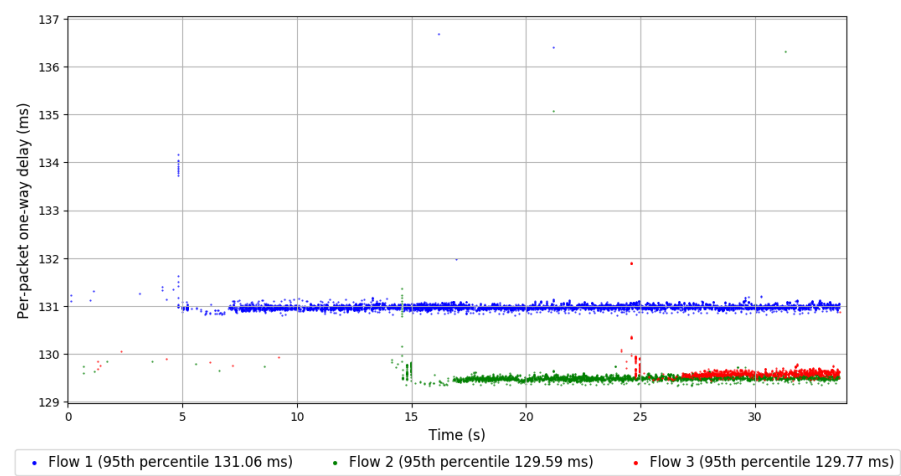
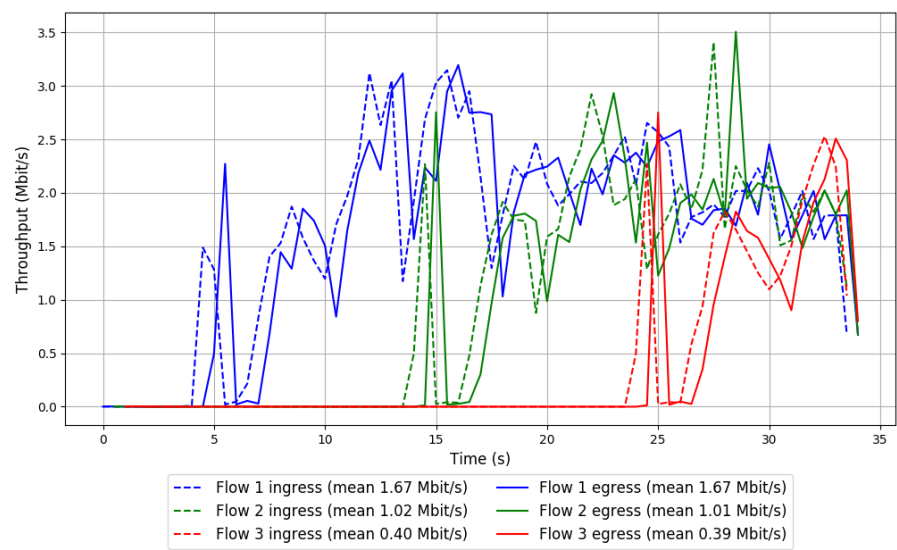


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 23:12:53  
End at: 2018-08-22 23:13:23  
Local clock offset: 1.358 ms  
Remote clock offset: -37.436 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.04 Mbit/s  
95th percentile per-packet one-way delay: 131.039 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 1.67 Mbit/s  
95th percentile per-packet one-way delay: 131.061 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 1.01 Mbit/s  
95th percentile per-packet one-way delay: 129.587 ms  
Loss rate: 1.32%  
-- Flow 3:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 129.774 ms  
Loss rate: 2.92%

Run 8: Report of WebRTC media — Data Link



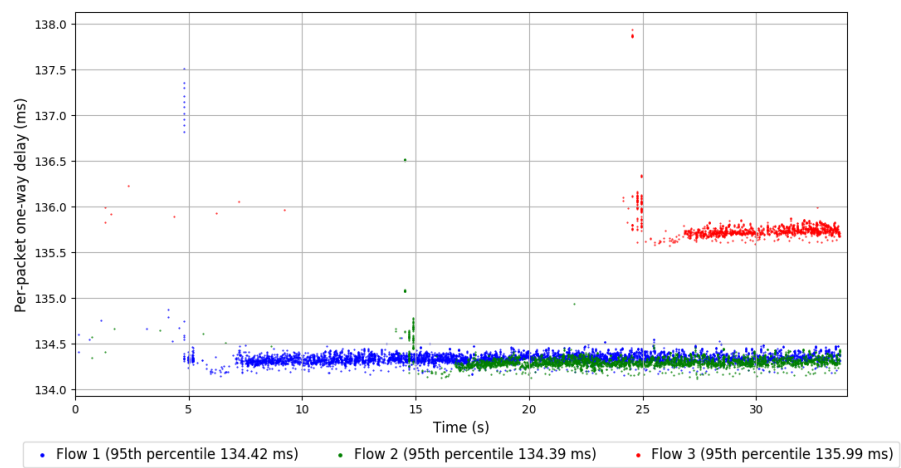
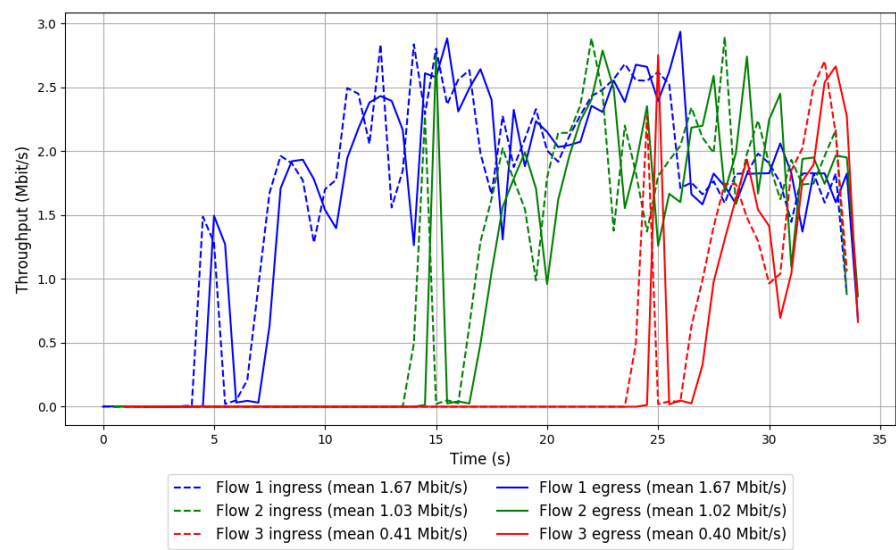
Run 9: Statistics of WebRTC media

Start at: 2018-08-22 23:43:03  
End at: 2018-08-22 23:43:33  
Local clock offset: 3.529 ms  
Remote clock offset: -39.803 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.06 Mbit/s  
95th percentile per-packet one-way delay: 135.751 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 1.67 Mbit/s  
95th percentile per-packet one-way delay: 134.423 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 1.02 Mbit/s  
95th percentile per-packet one-way delay: 134.394 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 135.991 ms  
Loss rate: 3.50%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-23 00:18:39  
End at: 2018-08-23 00:19:09  
Local clock offset: 1.532 ms  
Remote clock offset: -35.781 ms

# Below is generated by plot.py at 2018-08-23 01:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.14 Mbit/s  
95th percentile per-packet one-way delay: 130.690 ms  
Loss rate: 1.40%  
-- Flow 1:  
Average throughput: 1.74 Mbit/s  
95th percentile per-packet one-way delay: 129.371 ms  
Loss rate: 0.78%  
-- Flow 2:  
Average throughput: 1.03 Mbit/s  
95th percentile per-packet one-way delay: 129.326 ms  
Loss rate: 1.47%  
-- Flow 3:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 130.885 ms  
Loss rate: 3.80%

Run 10: Report of WebRTC media — Data Link

