

## Pantheon Report

Generated at 2018-07-25 13:52:42 (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.

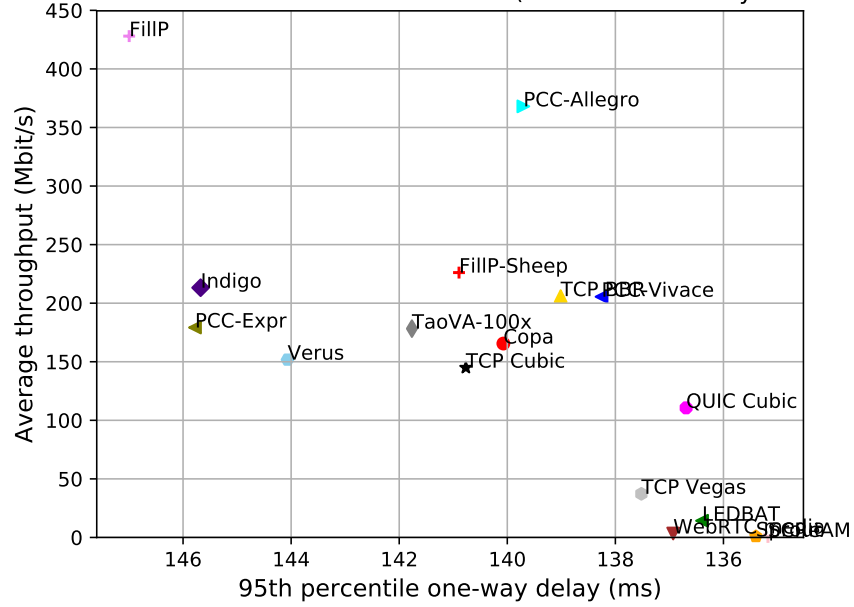
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

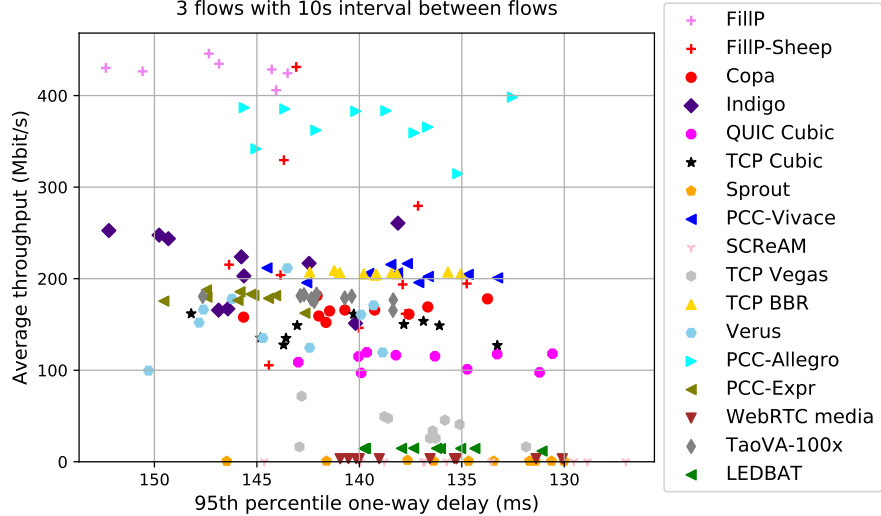
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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	105.46	103.56	97.38	138.37	138.84	140.96	0.74	1.11	2.39
Copa	10	104.03	71.48	42.90	140.12	139.64	139.88	0.41	1.09	3.11
TCP Cubic	10	74.46	74.29	64.73	140.25	140.48	141.93	0.65	1.19	2.22
FillP	7	268.07	189.39	121.92	146.45	146.80	147.65	1.88	3.31	13.69
FillP-Sheep	10	66.22	133.31	220.64	140.06	140.63	141.01	0.08	0.87	3.30
Indigo	10	99.53	119.52	106.15	144.41	145.65	146.74	0.74	1.05	2.38
LEDBAT	9	9.37	6.08	2.84	135.50	135.96	136.15	1.32	2.02	4.29
PCC-Allegro	10	332.50	44.99	21.55	139.69	139.25	139.19	0.69	1.08	2.10
PCC-Expr	10	169.54	10.75	7.87	145.82	144.18	144.12	0.68	1.49	2.52
QUIC Cubic	10	59.00	54.22	48.01	136.32	136.34	136.36	0.56	0.94	2.09
SCReAM	10	0.22	0.22	0.22	134.35	134.92	134.69	0.64	1.03	1.77
Sprout	10	0.35	0.55	0.54	134.85	134.86	134.73	0.72	0.81	1.03
TaoVA-100x	10	109.56	74.33	59.72	141.31	141.58	143.23	0.41	0.80	2.46
TCP Vegas	10	9.22	24.26	36.43	135.64	136.92	138.61	0.98	1.21	2.18
Verus	10	100.56	74.97	34.38	143.83	143.94	144.76	0.67	2.32	4.87
PCC-Vivace	10	174.69	40.55	12.13	138.28	137.88	137.57	0.60	1.34	4.25
WebRTC media	10	1.84	1.11	0.43	136.39	136.41	136.83	0.62	1.11	2.80

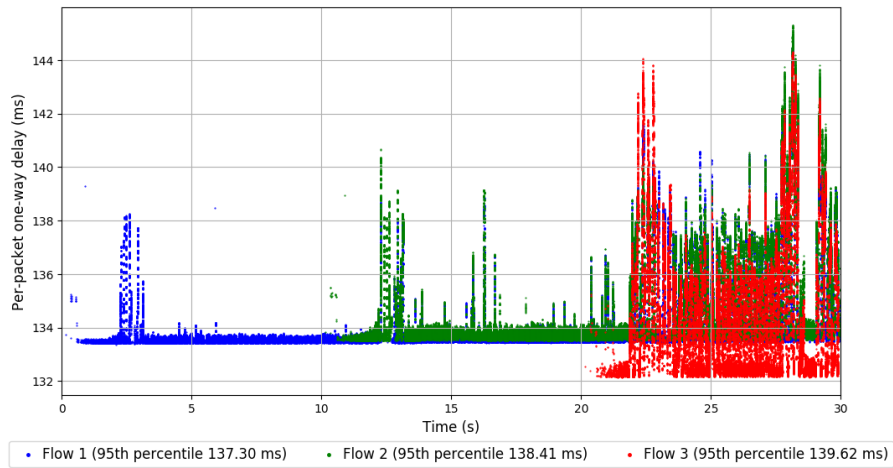
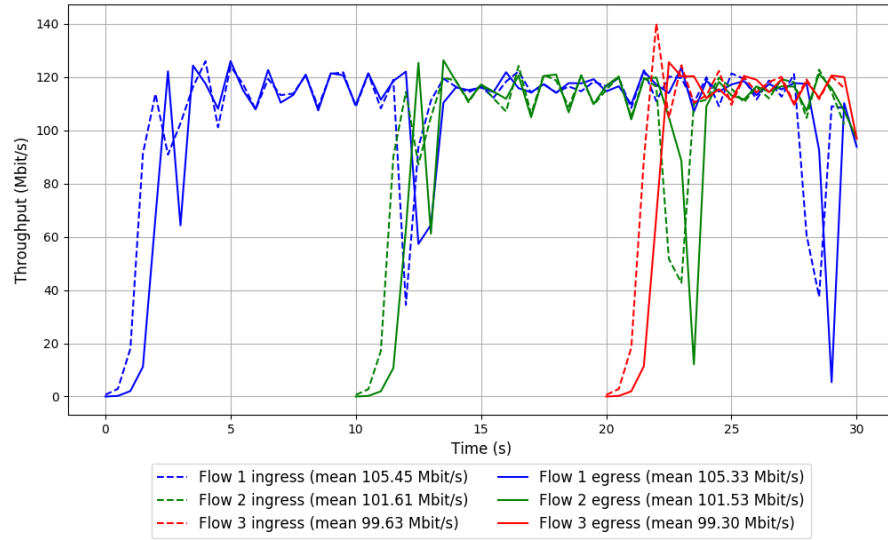
Run 1: Statistics of TCP BBR

Start at: 2018-07-25 08:02:16  
End at: 2018-07-25 08:02:46  
Local clock offset: -1.939 ms  
Remote clock offset: -29.767 ms

# Below is generated by plot.py at 2018-07-25 13:09:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 205.26 Mbit/s  
95th percentile per-packet one-way delay: 138.163 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 105.33 Mbit/s  
95th percentile per-packet one-way delay: 137.300 ms  
Loss rate: 0.72%  
-- Flow 2:  
Average throughput: 101.53 Mbit/s  
95th percentile per-packet one-way delay: 138.405 ms  
Loss rate: 1.07%  
-- Flow 3:  
Average throughput: 99.30 Mbit/s  
95th percentile per-packet one-way delay: 139.623 ms  
Loss rate: 2.41%



# Run 1: Report of TCP BBR — Data Link

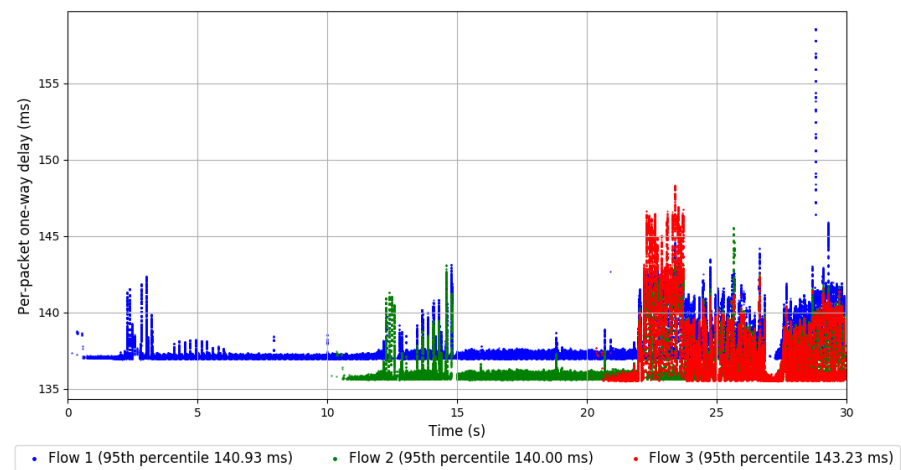
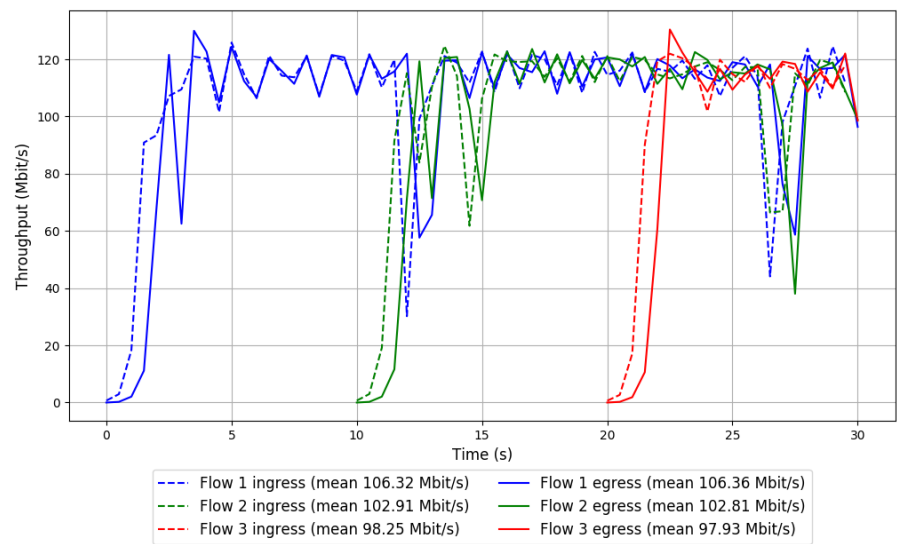


Run 2: Statistics of TCP BBR

Start at: 2018-07-25 08:38:07  
End at: 2018-07-25 08:38:37  
Local clock offset: -1.53 ms  
Remote clock offset: -31.651 ms

# Below is generated by plot.py at 2018-07-25 13:09:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 206.69 Mbit/s  
95th percentile per-packet one-way delay: 140.960 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 106.36 Mbit/s  
95th percentile per-packet one-way delay: 140.929 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 102.81 Mbit/s  
95th percentile per-packet one-way delay: 139.996 ms  
Loss rate: 1.10%  
-- Flow 3:  
Average throughput: 97.93 Mbit/s  
95th percentile per-packet one-way delay: 143.227 ms  
Loss rate: 2.31%

Run 2: Report of TCP BBR — Data Link

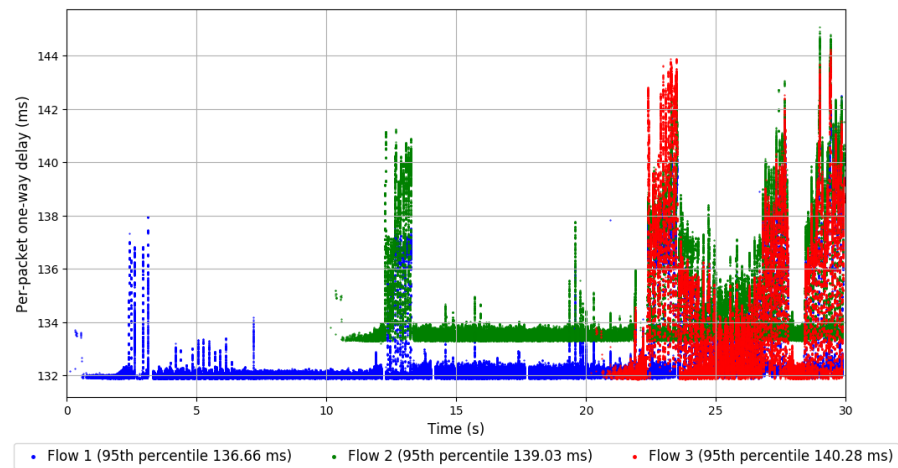
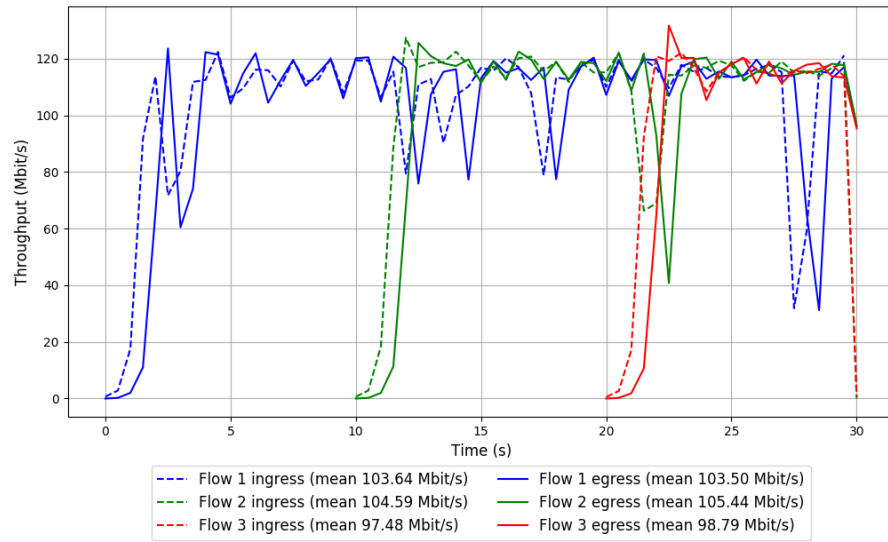


Run 3: Statistics of TCP BBR

Start at: 2018-07-25 09:02:28  
End at: 2018-07-25 09:02:58  
Local clock offset: -1.592 ms  
Remote clock offset: -27.94 ms

# Below is generated by plot.py at 2018-07-25 13:09:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 205.80 Mbit/s  
95th percentile per-packet one-way delay: 138.430 ms  
Loss rate: 1.26%  
-- Flow 1:  
Average throughput: 103.50 Mbit/s  
95th percentile per-packet one-way delay: 136.659 ms  
Loss rate: 0.86%  
-- Flow 2:  
Average throughput: 105.44 Mbit/s  
95th percentile per-packet one-way delay: 139.035 ms  
Loss rate: 1.18%  
-- Flow 3:  
Average throughput: 98.79 Mbit/s  
95th percentile per-packet one-way delay: 140.283 ms  
Loss rate: 2.68%

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

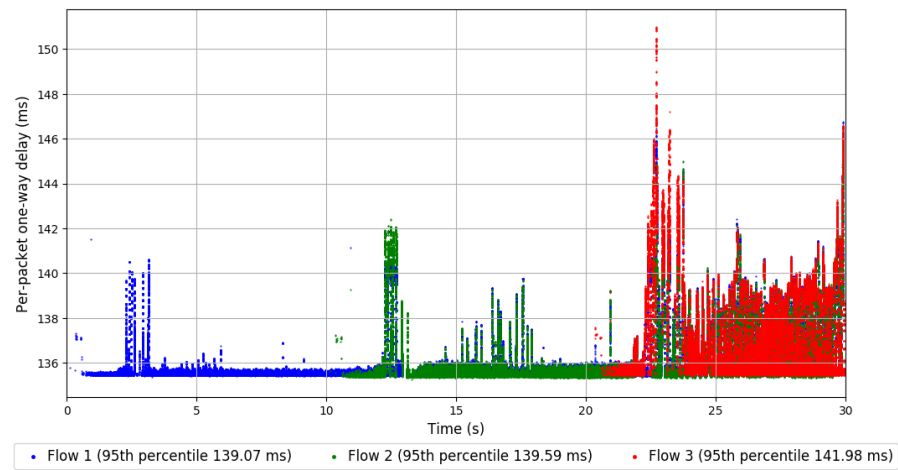
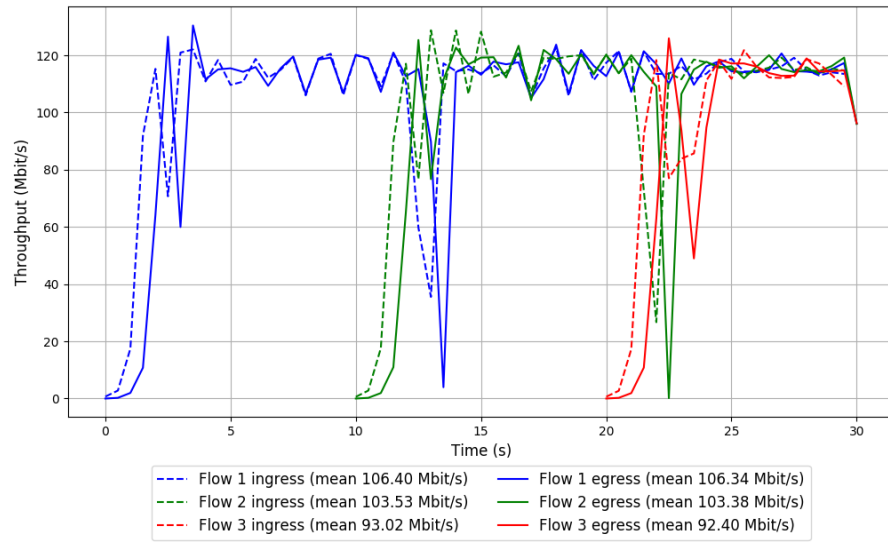


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 09:43:51  
End at: 2018-07-25 09:44:21  
Local clock offset: -1.502 ms  
Remote clock offset: -34.161 ms

# Below is generated by plot.py at 2018-07-25 13:09:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 205.18 Mbit/s  
95th percentile per-packet one-way delay: 139.789 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 106.34 Mbit/s  
95th percentile per-packet one-way delay: 139.068 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 103.38 Mbit/s  
95th percentile per-packet one-way delay: 139.595 ms  
Loss rate: 1.14%  
-- Flow 3:  
Average throughput: 92.40 Mbit/s  
95th percentile per-packet one-way delay: 141.983 ms  
Loss rate: 2.43%

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



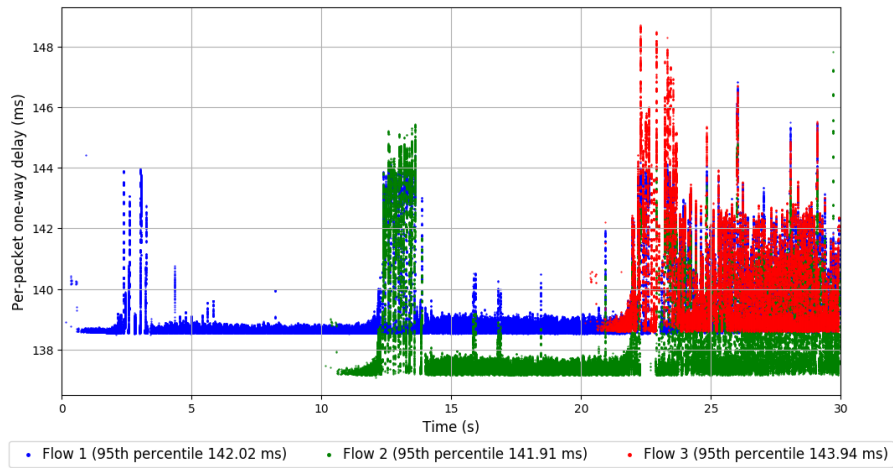
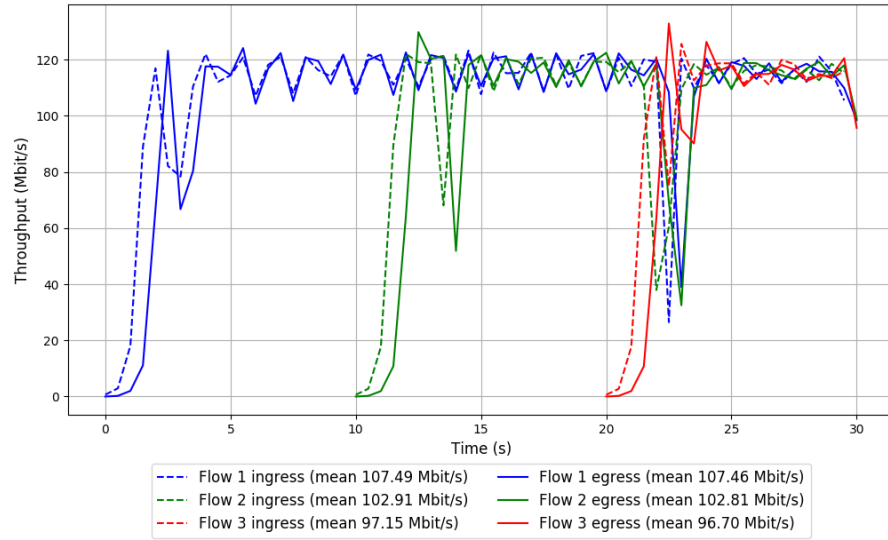
Run 5: Statistics of TCP BBR

Start at: 2018-07-25 10:23:31  
End at: 2018-07-25 10:24:01  
Local clock offset: 1.851 ms  
Remote clock offset: -34.736 ms

# Below is generated by plot.py at 2018-07-25 13:09:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 207.38 Mbit/s  
95th percentile per-packet one-way delay: 142.424 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 107.46 Mbit/s  
95th percentile per-packet one-way delay: 142.018 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 102.81 Mbit/s  
95th percentile per-packet one-way delay: 141.908 ms  
Loss rate: 1.08%  
-- Flow 3:  
Average throughput: 96.70 Mbit/s  
95th percentile per-packet one-way delay: 143.942 ms  
Loss rate: 2.53%



# Run 5: Report of TCP BBR — Data Link

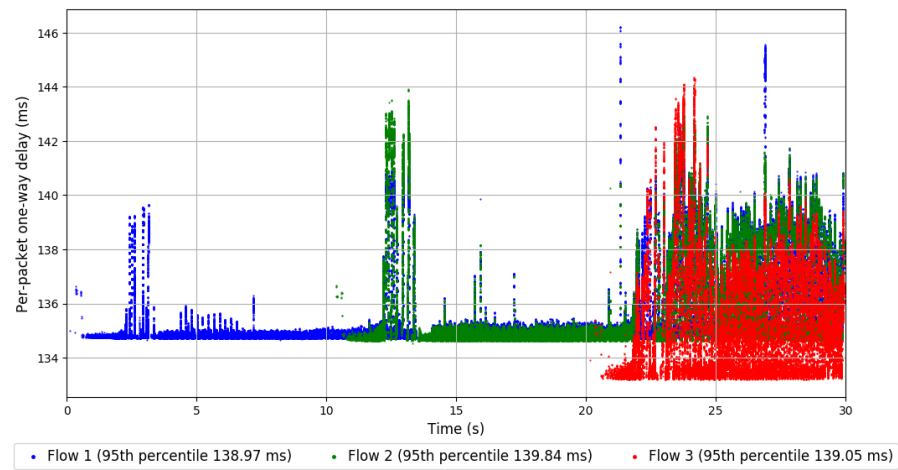
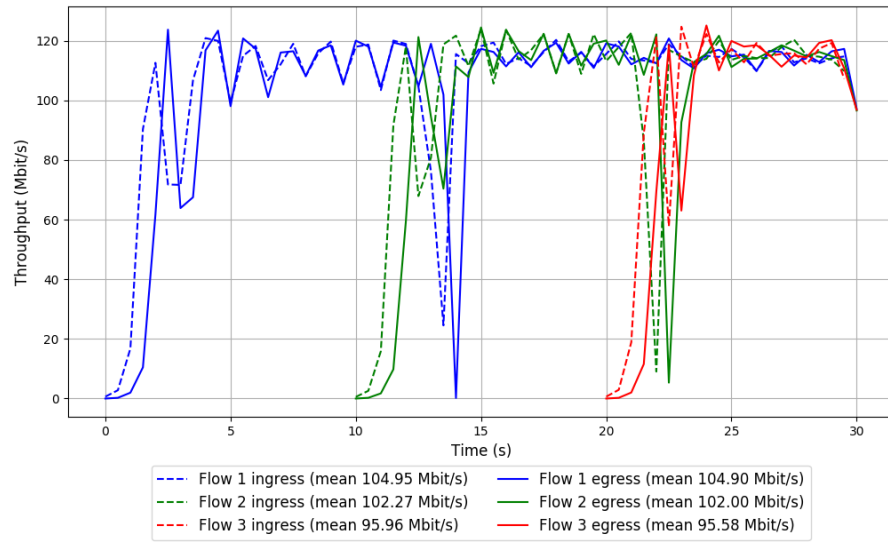


Run 6: Statistics of TCP BBR

Start at: 2018-07-25 10:48:02  
End at: 2018-07-25 10:48:32  
Local clock offset: 3.149 ms  
Remote clock offset: -30.185 ms

# Below is generated by plot.py at 2018-07-25 13:09:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 203.87 Mbit/s  
95th percentile per-packet one-way delay: 139.231 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 104.90 Mbit/s  
95th percentile per-packet one-way delay: 138.971 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 102.00 Mbit/s  
95th percentile per-packet one-way delay: 139.844 ms  
Loss rate: 1.14%  
-- Flow 3:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 139.047 ms  
Loss rate: 2.33%

# Run 6: Report of TCP BBR — Data Link

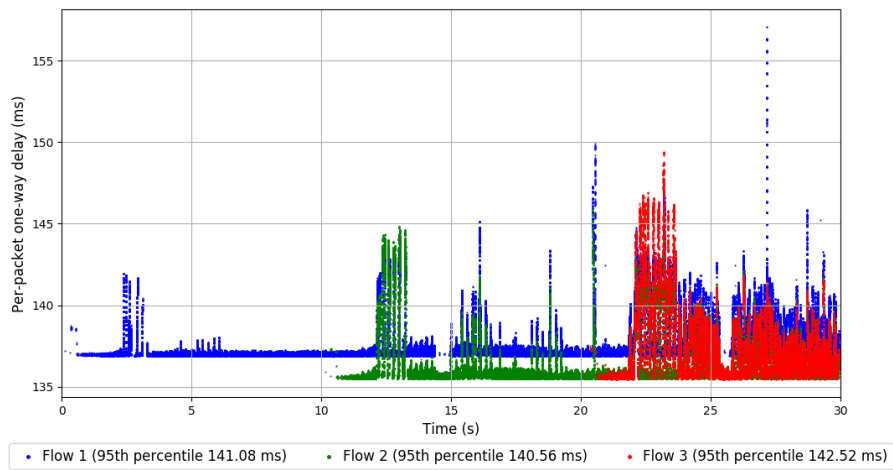
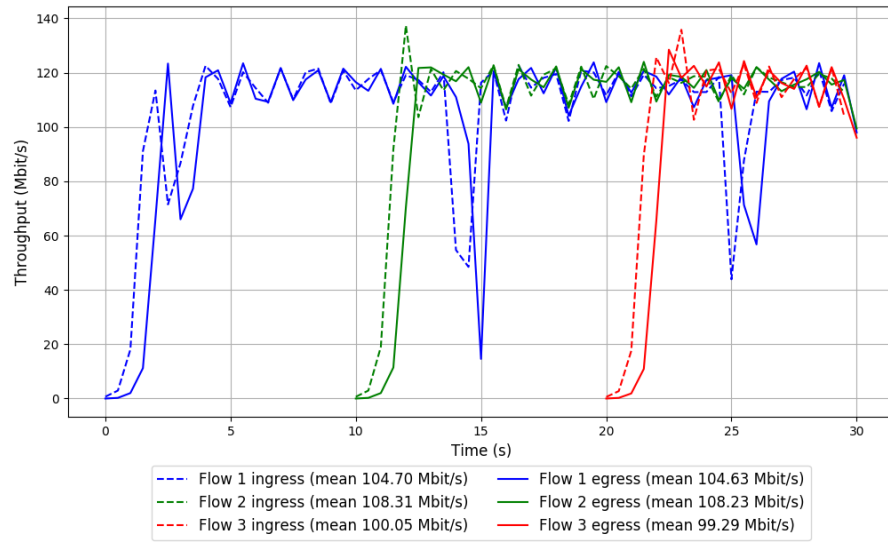


Run 7: Statistics of TCP BBR

Start at: 2018-07-25 11:12:34  
End at: 2018-07-25 11:13:04  
Local clock offset: -0.245 ms  
Remote clock offset: -36.45 ms

# Below is generated by plot.py at 2018-07-25 13:09:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 209.00 Mbit/s  
95th percentile per-packet one-way delay: 141.226 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 104.63 Mbit/s  
95th percentile per-packet one-way delay: 141.082 ms  
Loss rate: 0.72%  
-- Flow 2:  
Average throughput: 108.23 Mbit/s  
95th percentile per-packet one-way delay: 140.561 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 99.29 Mbit/s  
95th percentile per-packet one-way delay: 142.517 ms  
Loss rate: 2.31%

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

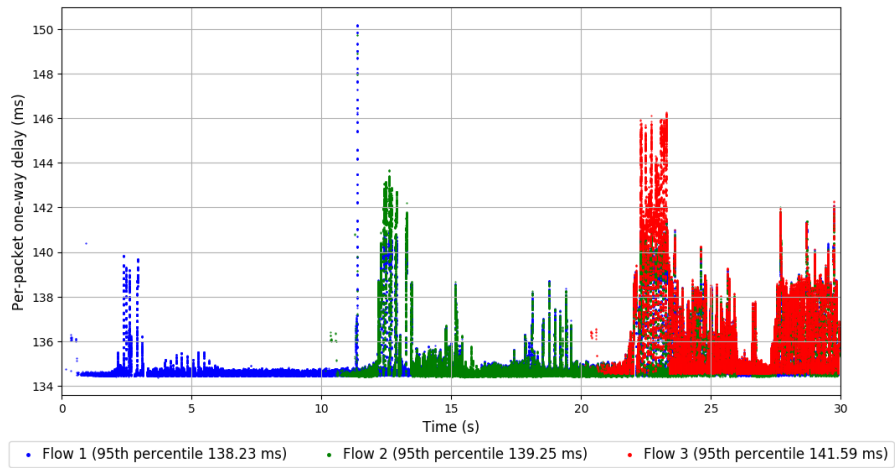
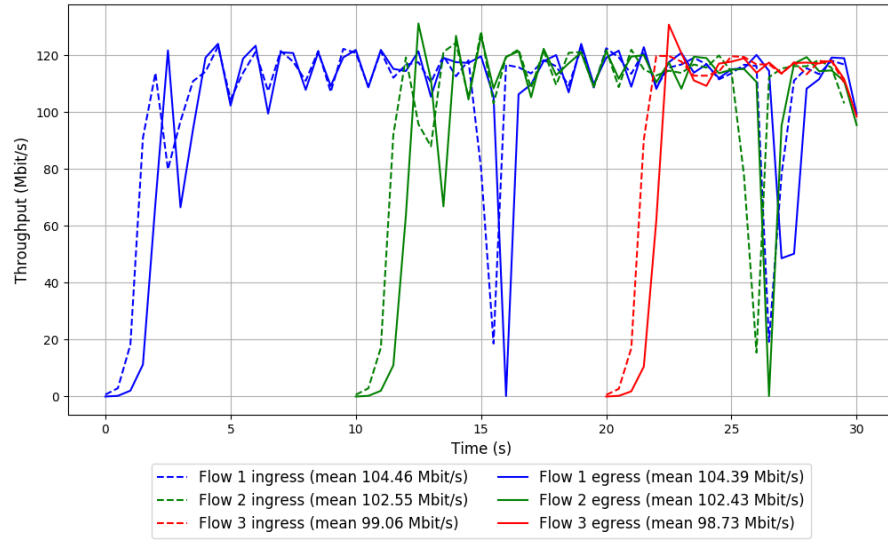


Run 8: Statistics of TCP BBR

Start at: 2018-07-25 11:42:42  
End at: 2018-07-25 11:43:12  
Local clock offset: -1.753 ms  
Remote clock offset: -35.189 ms

# Below is generated by plot.py at 2018-07-25 13:09:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 204.73 Mbit/s  
95th percentile per-packet one-way delay: 139.171 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 104.39 Mbit/s  
95th percentile per-packet one-way delay: 138.232 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 102.43 Mbit/s  
95th percentile per-packet one-way delay: 139.254 ms  
Loss rate: 1.10%  
-- Flow 3:  
Average throughput: 98.73 Mbit/s  
95th percentile per-packet one-way delay: 141.594 ms  
Loss rate: 2.32%

# Run 8: Report of TCP BBR — Data Link



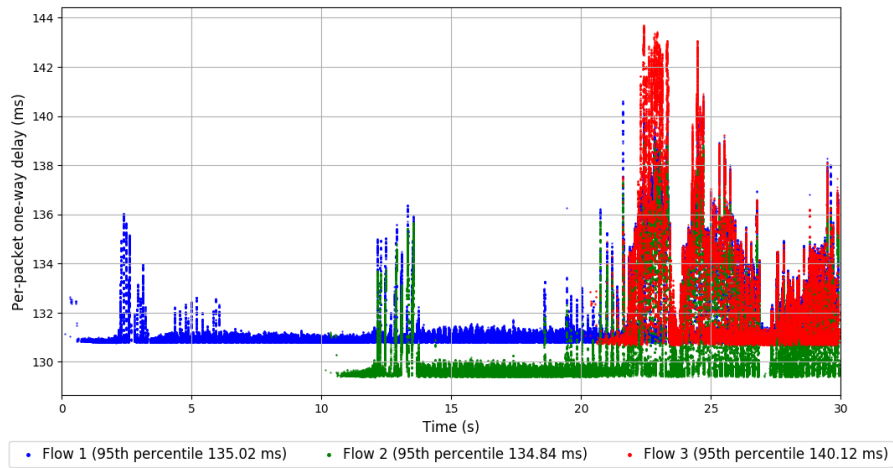
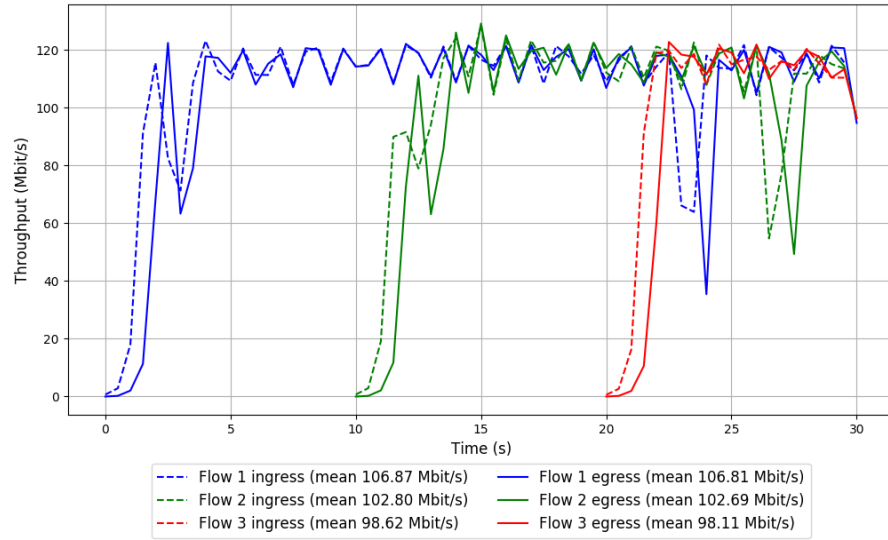
Run 9: Statistics of TCP BBR

Start at: 2018-07-25 12:24:17  
End at: 2018-07-25 12:24:47  
Local clock offset: 0.833 ms  
Remote clock offset: -29.622 ms

# Below is generated by plot.py at 2018-07-25 13:11:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 207.13 Mbit/s  
95th percentile per-packet one-way delay: 135.680 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 106.81 Mbit/s  
95th percentile per-packet one-way delay: 135.022 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 102.69 Mbit/s  
95th percentile per-packet one-way delay: 134.835 ms  
Loss rate: 1.09%  
-- Flow 3:  
Average throughput: 98.11 Mbit/s  
95th percentile per-packet one-way delay: 140.120 ms  
Loss rate: 2.30%



# Run 9: Report of TCP BBR — Data Link

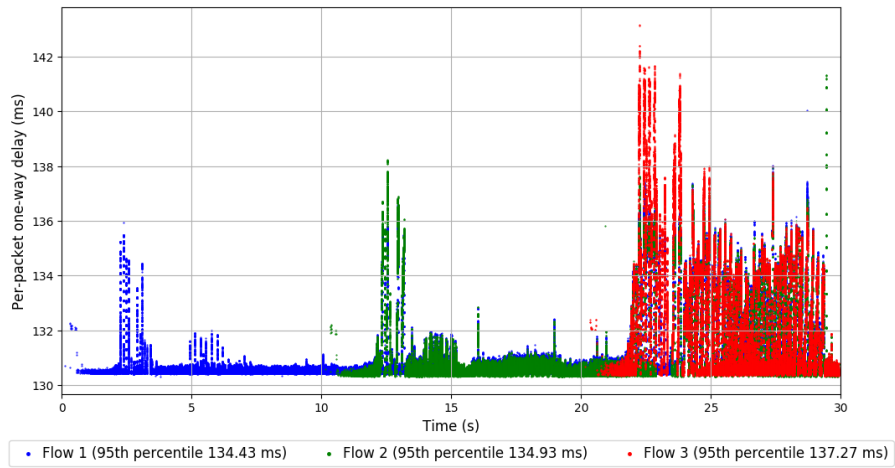
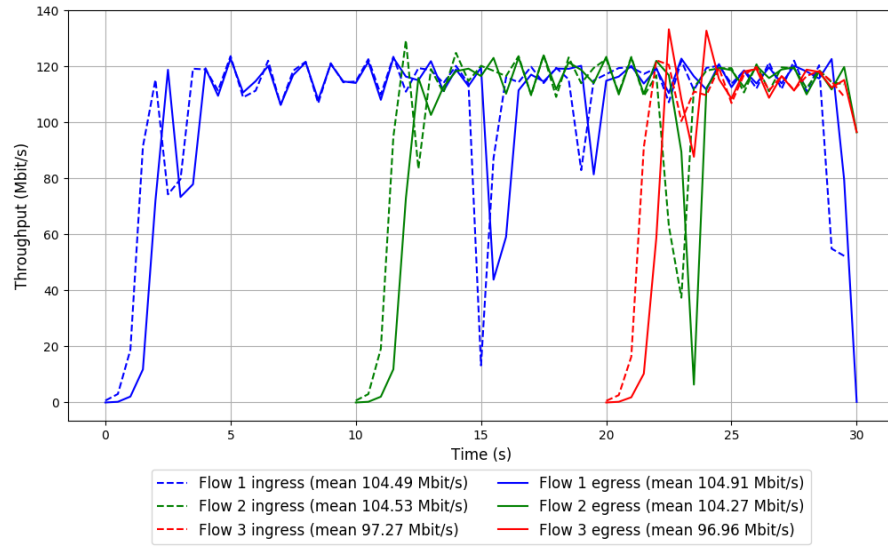


Run 10: Statistics of TCP BBR

Start at: 2018-07-25 13:00:18  
End at: 2018-07-25 13:00:48  
Local clock offset: 1.381 ms  
Remote clock offset: -30.652 ms

# Below is generated by plot.py at 2018-07-25 13:11:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 205.29 Mbit/s  
95th percentile per-packet one-way delay: 135.050 ms  
Loss rate: 1.16%  
-- Flow 1:  
Average throughput: 104.91 Mbit/s  
95th percentile per-packet one-way delay: 134.425 ms  
Loss rate: 0.84%  
-- Flow 2:  
Average throughput: 104.27 Mbit/s  
95th percentile per-packet one-way delay: 134.925 ms  
Loss rate: 1.13%  
-- Flow 3:  
Average throughput: 96.96 Mbit/s  
95th percentile per-packet one-way delay: 137.273 ms  
Loss rate: 2.27%

# Run 10: Report of TCP BBR — Data Link

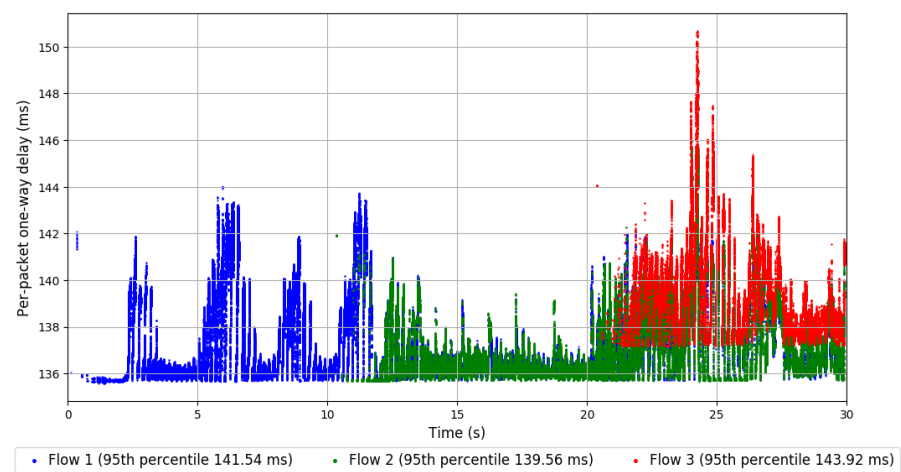
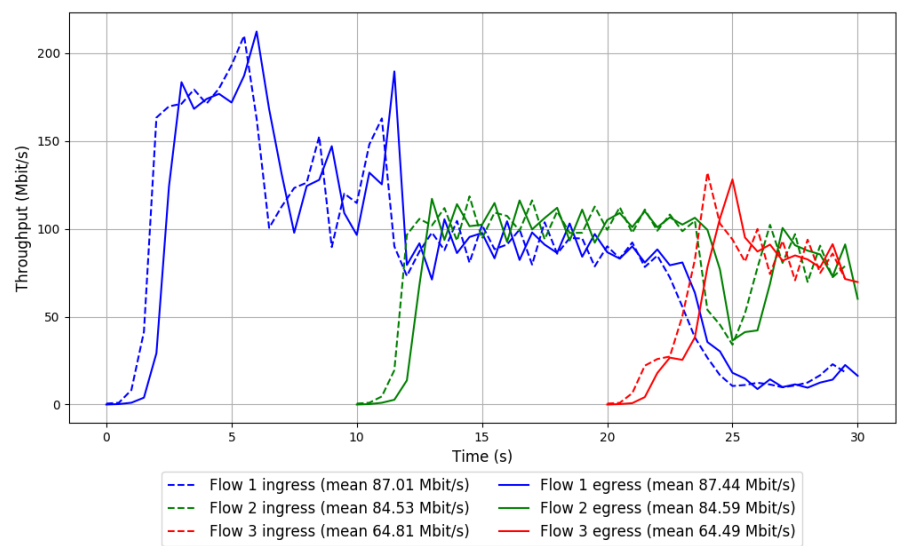


Run 1: Statistics of Copa

Start at: 2018-07-25 07:33:27  
End at: 2018-07-25 07:33:57  
Local clock offset: 1.016 ms  
Remote clock offset: -33.774 ms

# Below is generated by plot.py at 2018-07-25 13:12:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 164.74 Mbit/s  
95th percentile per-packet one-way delay: 141.453 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 87.44 Mbit/s  
95th percentile per-packet one-way delay: 141.545 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 84.59 Mbit/s  
95th percentile per-packet one-way delay: 139.563 ms  
Loss rate: 0.90%  
-- Flow 3:  
Average throughput: 64.49 Mbit/s  
95th percentile per-packet one-way delay: 143.919 ms  
Loss rate: 2.47%

Run 1: Report of Copa — Data Link

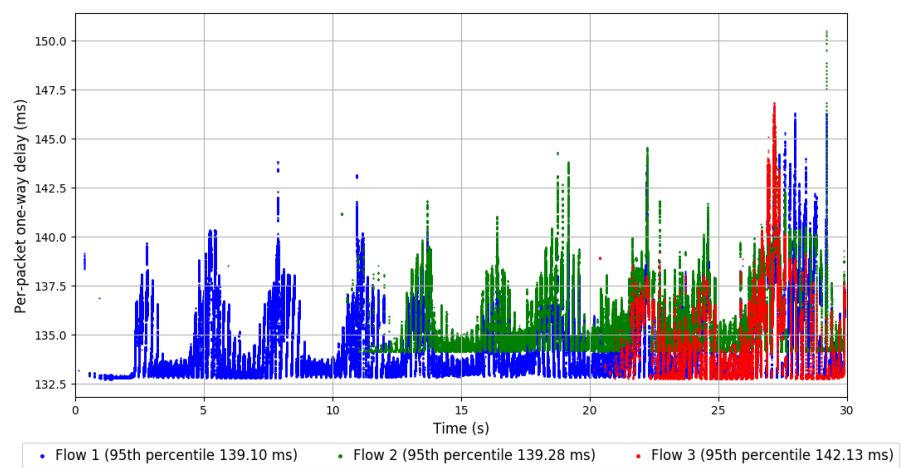
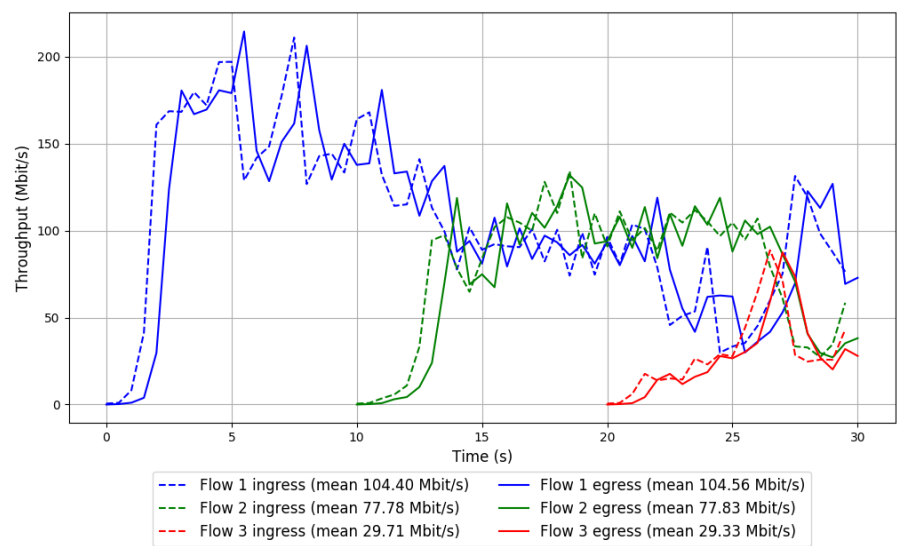


Run 2: Statistics of Copa

Start at: 2018-07-25 08:03:44  
End at: 2018-07-25 08:04:14  
Local clock offset: -0.683 ms  
Remote clock offset: -29.073 ms

# Below is generated by plot.py at 2018-07-25 13:13:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 165.74 Mbit/s  
95th percentile per-packet one-way delay: 139.253 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 104.56 Mbit/s  
95th percentile per-packet one-way delay: 139.098 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 77.83 Mbit/s  
95th percentile per-packet one-way delay: 139.275 ms  
Loss rate: 0.93%  
-- Flow 3:  
Average throughput: 29.33 Mbit/s  
95th percentile per-packet one-way delay: 142.129 ms  
Loss rate: 3.25%

Run 2: Report of Copa — Data Link



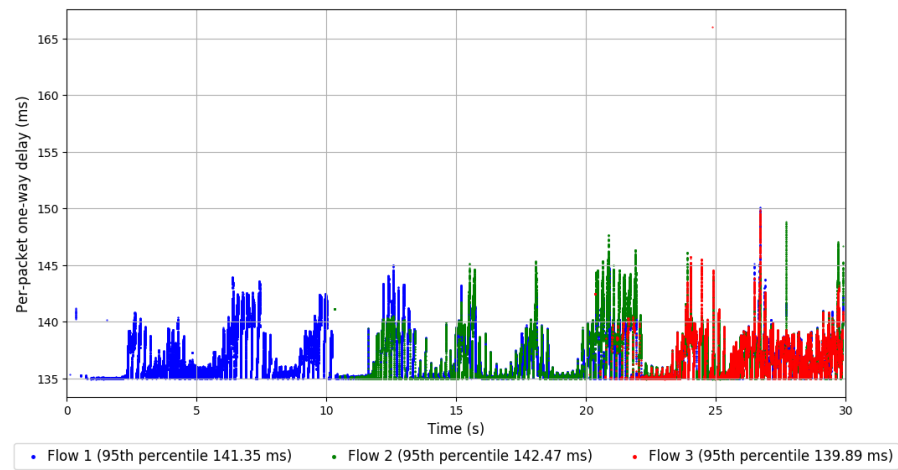
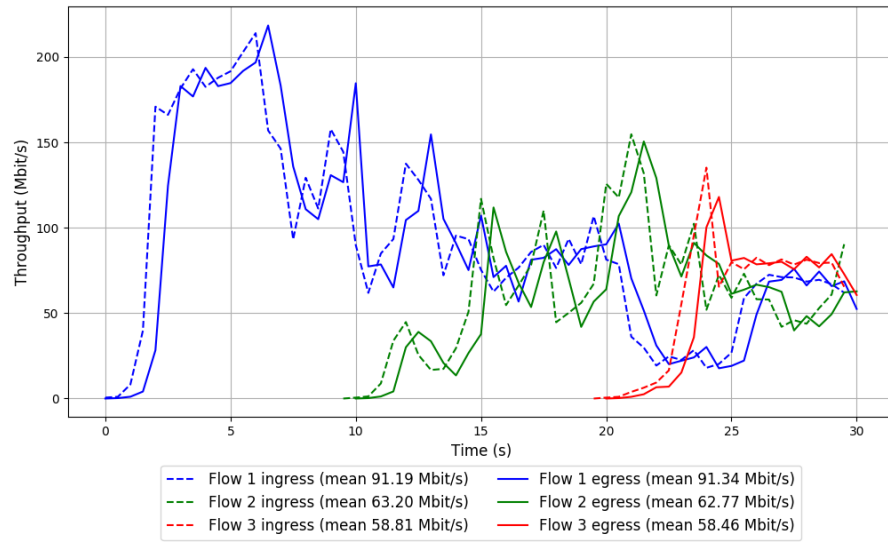
Run 3: Statistics of Copa

Start at: 2018-07-25 08:39:35  
End at: 2018-07-25 08:40:05  
Local clock offset: -1.784 ms  
Remote clock offset: -30.037 ms

# Below is generated by plot.py at 2018-07-25 13:13:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 152.24 Mbit/s  
95th percentile per-packet one-way delay: 141.630 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 91.34 Mbit/s  
95th percentile per-packet one-way delay: 141.352 ms  
Loss rate: 0.50%  
-- Flow 2:  
Average throughput: 62.77 Mbit/s  
95th percentile per-packet one-way delay: 142.469 ms  
Loss rate: 1.66%  
-- Flow 3:  
Average throughput: 58.46 Mbit/s  
95th percentile per-packet one-way delay: 139.888 ms  
Loss rate: 2.55%



### Run 3: Report of Copa — Data Link

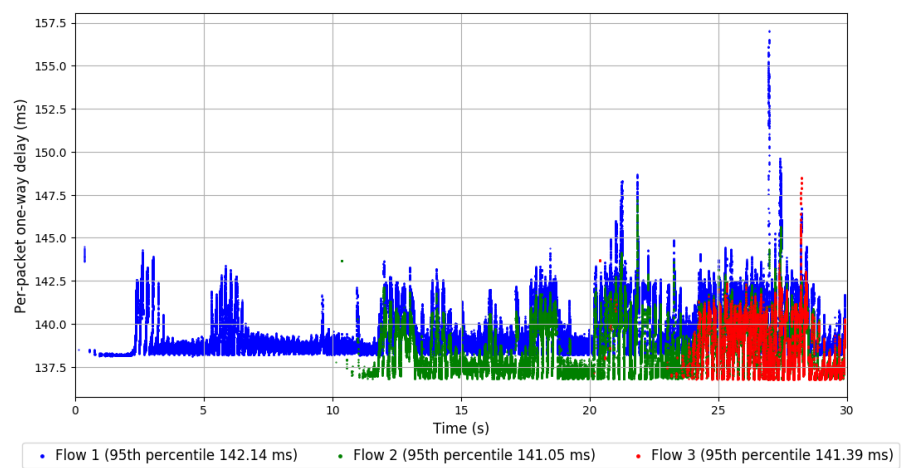
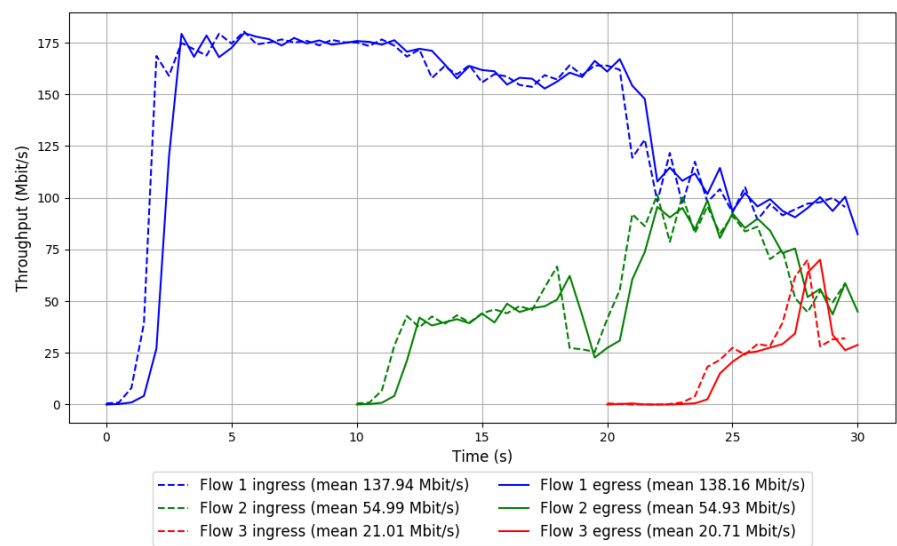


Run 4: Statistics of Copa

Start at: 2018-07-25 09:03:56  
End at: 2018-07-25 09:04:26  
Local clock offset: -1.553 ms  
Remote clock offset: -32.883 ms

# Below is generated by plot.py at 2018-07-25 13:13:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 181.39 Mbit/s  
95th percentile per-packet one-way delay: 142.063 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 138.16 Mbit/s  
95th percentile per-packet one-way delay: 142.141 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 54.93 Mbit/s  
95th percentile per-packet one-way delay: 141.049 ms  
Loss rate: 1.09%  
-- Flow 3:  
Average throughput: 20.71 Mbit/s  
95th percentile per-packet one-way delay: 141.388 ms  
Loss rate: 3.34%

Run 4: Report of Copa — Data Link

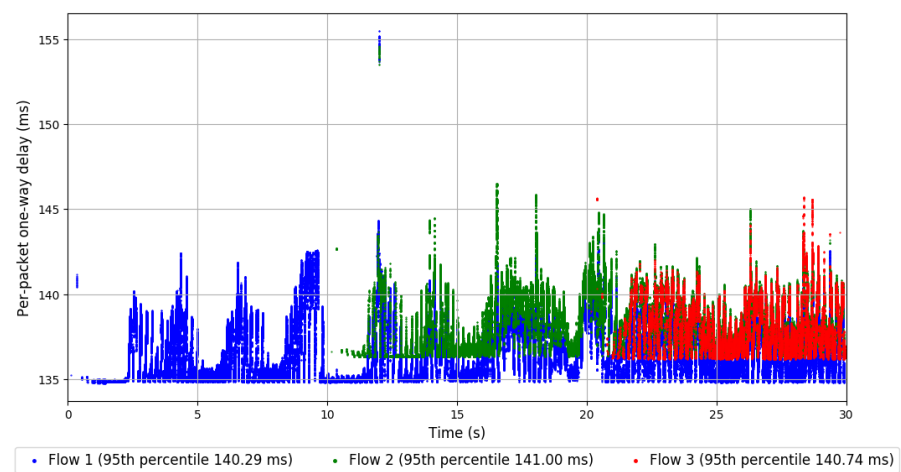
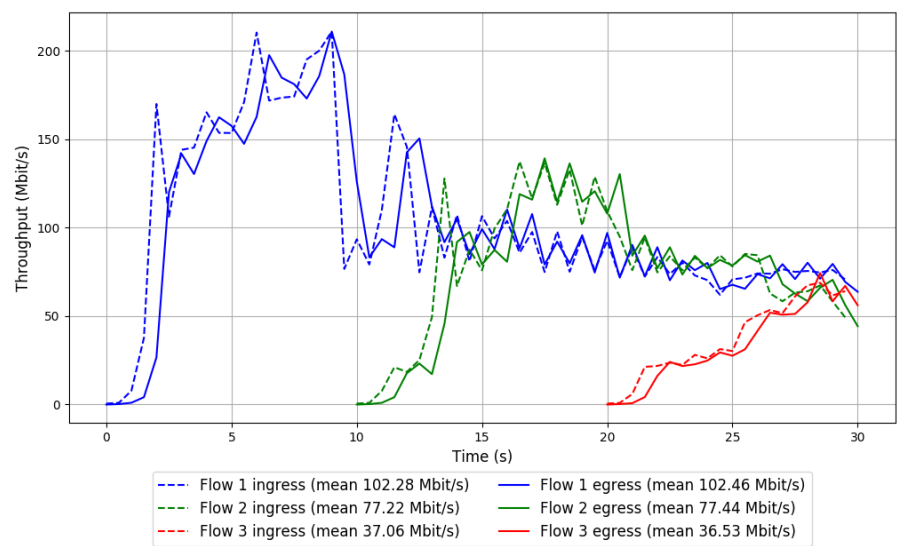


Run 5: Statistics of Copa

Start at: 2018-07-25 09:50:46  
End at: 2018-07-25 09:51:16  
Local clock offset: 1.047 ms  
Remote clock offset: -31.56 ms

# Below is generated by plot.py at 2018-07-25 13:13:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 165.78 Mbit/s  
95th percentile per-packet one-way delay: 140.708 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 102.46 Mbit/s  
95th percentile per-packet one-way delay: 140.295 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 77.44 Mbit/s  
95th percentile per-packet one-way delay: 141.000 ms  
Loss rate: 0.70%  
-- Flow 3:  
Average throughput: 36.53 Mbit/s  
95th percentile per-packet one-way delay: 140.743 ms  
Loss rate: 3.41%

Run 5: Report of Copa — Data Link

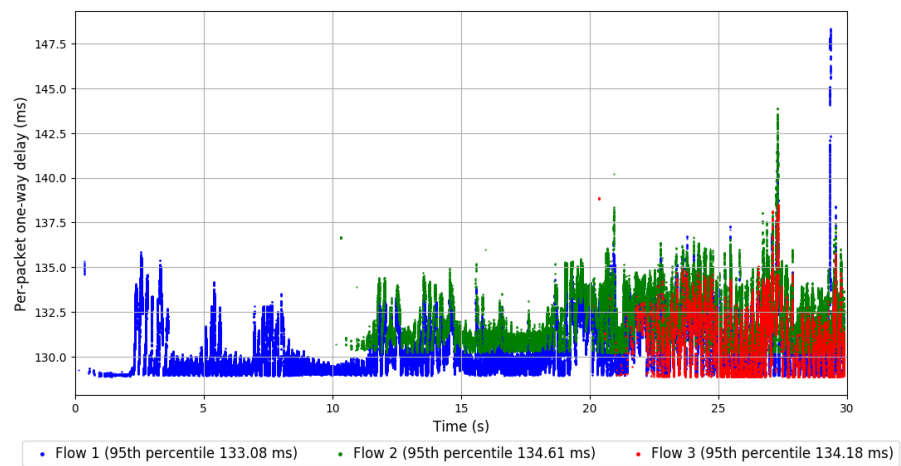
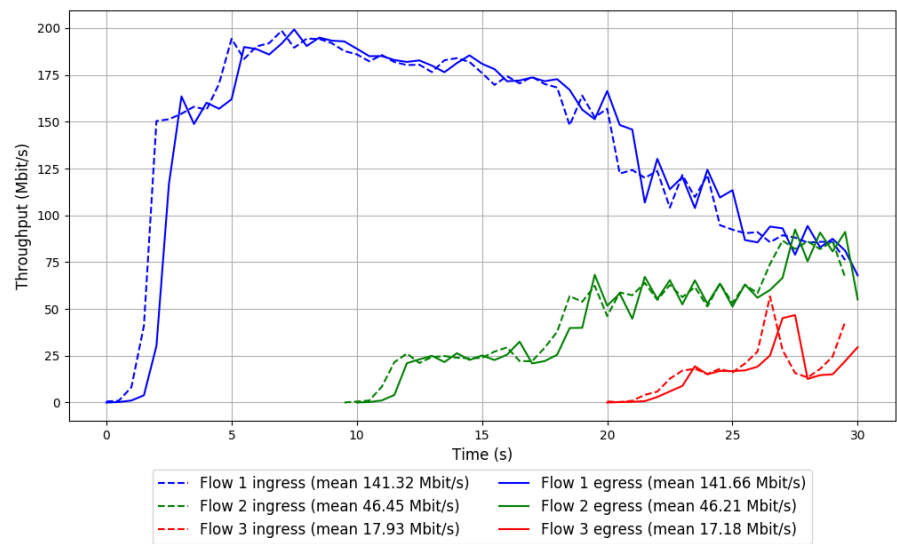


Run 6: Statistics of Copa

Start at: 2018-07-25 10:24:58  
End at: 2018-07-25 10:25:28  
Local clock offset: 0.08 ms  
Remote clock offset: -28.26 ms

```
# Below is generated by plot.py at 2018-07-25 13:13:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 177.98 Mbit/s
95th percentile per-packet one-way delay: 133.748 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 141.66 Mbit/s
95th percentile per-packet one-way delay: 133.078 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 134.612 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 134.182 ms
Loss rate: 6.13%
```

Run 6: Report of Copa — Data Link



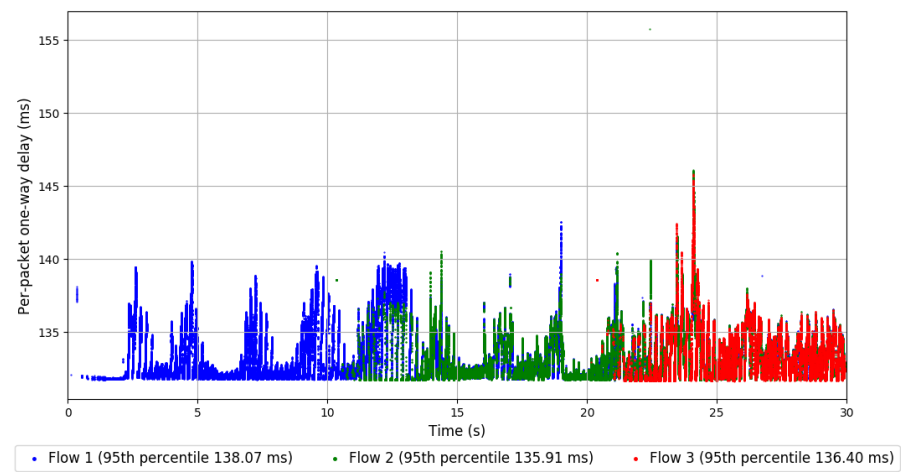
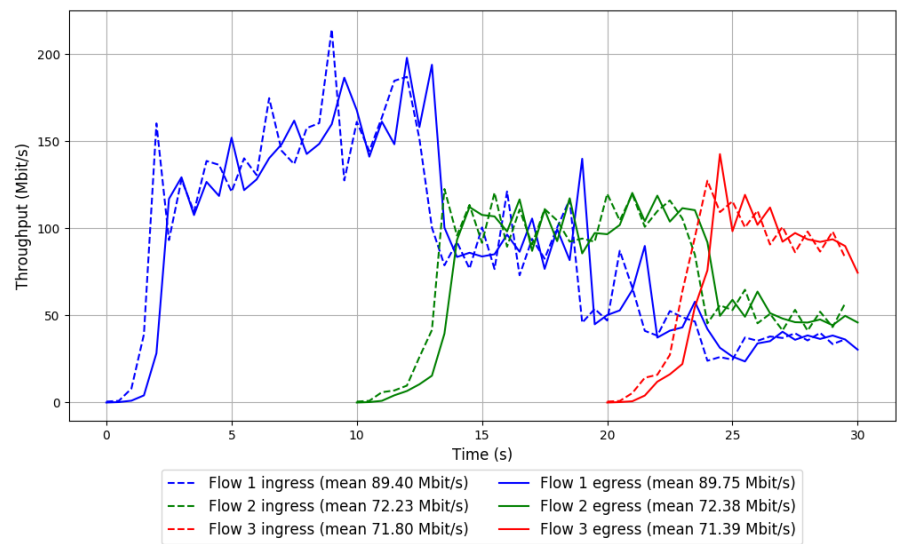
Run 7: Statistics of Copa

Start at: 2018-07-25 10:49:29  
End at: 2018-07-25 10:49:59  
Local clock offset: -0.267 ms  
Remote clock offset: -30.695 ms

# Below is generated by plot.py at 2018-07-25 13:15:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 161.20 Mbit/s  
95th percentile per-packet one-way delay: 137.581 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 89.75 Mbit/s  
95th percentile per-packet one-way delay: 138.067 ms  
Loss rate: 0.27%  
-- Flow 2:  
Average throughput: 72.38 Mbit/s  
95th percentile per-packet one-way delay: 135.911 ms  
Loss rate: 0.79%  
-- Flow 3:  
Average throughput: 71.39 Mbit/s  
95th percentile per-packet one-way delay: 136.395 ms  
Loss rate: 2.53%



Run 7: Report of Copa — Data Link

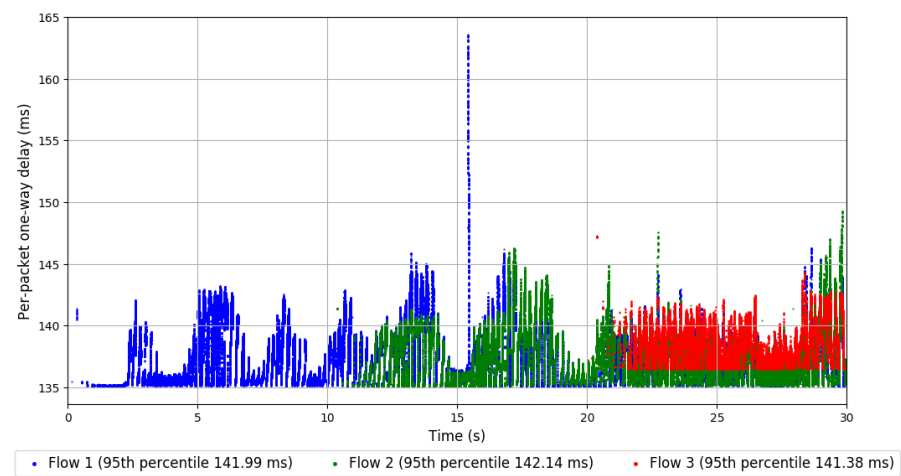
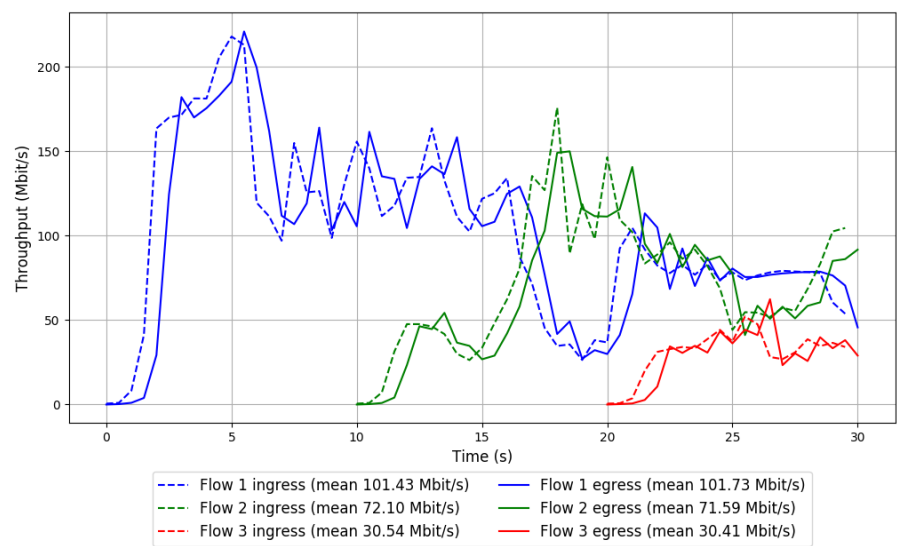


Run 8: Statistics of Copa

Start at: 2018-07-25 11:14:02  
End at: 2018-07-25 11:14:32  
Local clock offset: 0.598 ms  
Remote clock offset: -35.371 ms

# Below is generated by plot.py at 2018-07-25 13:15:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 159.21 Mbit/s  
95th percentile per-packet one-way delay: 141.980 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 101.73 Mbit/s  
95th percentile per-packet one-way delay: 141.985 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 71.59 Mbit/s  
95th percentile per-packet one-way delay: 142.137 ms  
Loss rate: 1.69%  
-- Flow 3:  
Average throughput: 30.41 Mbit/s  
95th percentile per-packet one-way delay: 141.378 ms  
Loss rate: 2.35%

Run 8: Report of Copa — Data Link

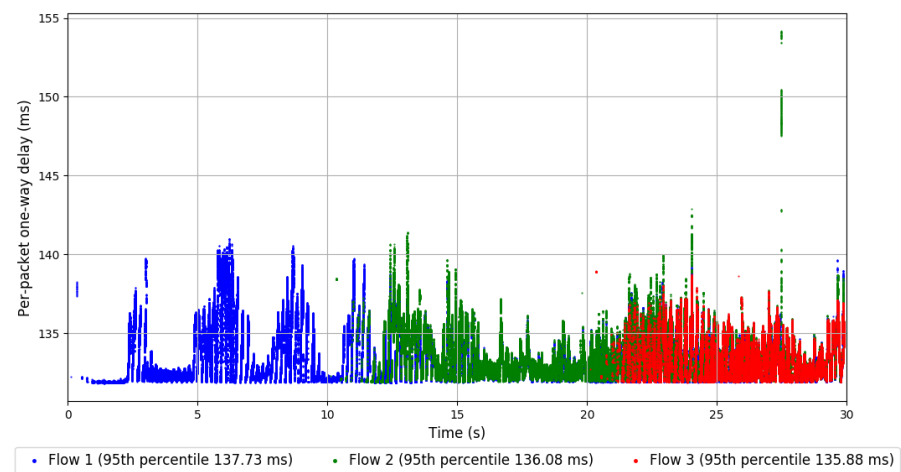
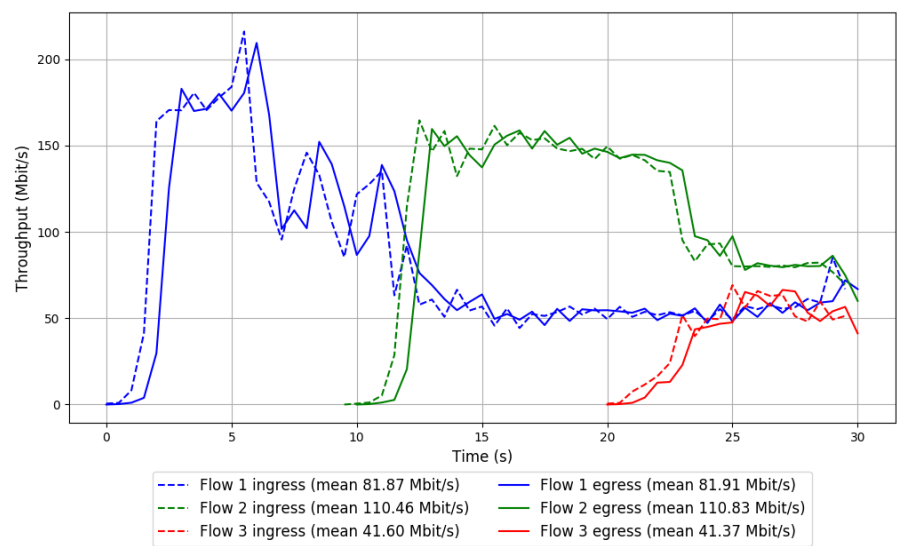


Run 9: Statistics of Copa

Start at: 2018-07-25 11:44:10  
End at: 2018-07-25 11:44:40  
Local clock offset: 2.838 ms  
Remote clock offset: -29.402 ms

# Below is generated by plot.py at 2018-07-25 13:16:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 169.12 Mbit/s  
95th percentile per-packet one-way delay: 136.661 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 81.91 Mbit/s  
95th percentile per-packet one-way delay: 137.733 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 110.83 Mbit/s  
95th percentile per-packet one-way delay: 136.081 ms  
Loss rate: 0.67%  
-- Flow 3:  
Average throughput: 41.37 Mbit/s  
95th percentile per-packet one-way delay: 135.877 ms  
Loss rate: 2.56%

Run 9: Report of Copa — Data Link

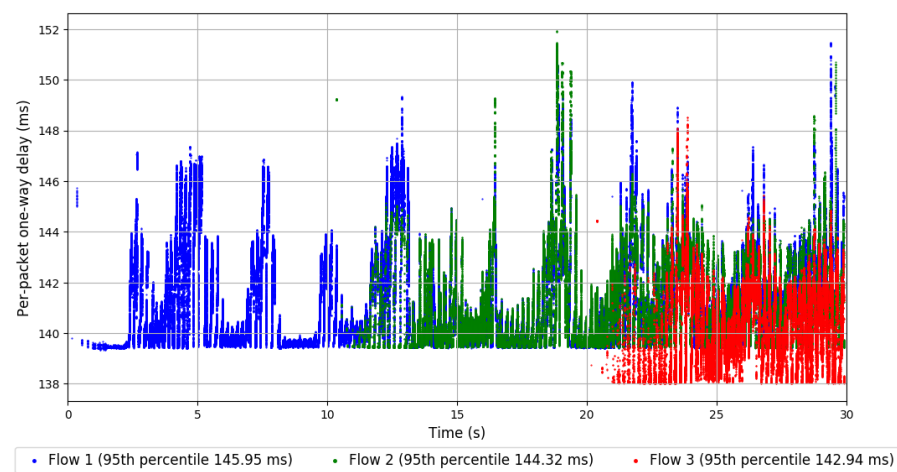
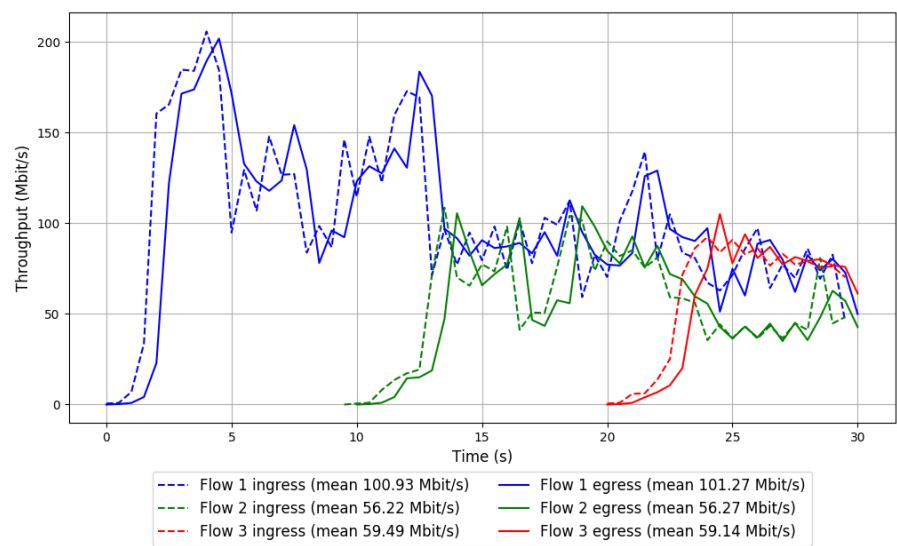


Run 10: Statistics of Copa

Start at: 2018-07-25 12:25:45  
End at: 2018-07-25 12:26:15  
Local clock offset: 0.004 ms  
Remote clock offset: -39.146 ms

# Below is generated by plot.py at 2018-07-25 13:16:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 157.97 Mbit/s  
95th percentile per-packet one-way delay: 145.650 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 101.27 Mbit/s  
95th percentile per-packet one-way delay: 145.949 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 56.27 Mbit/s  
95th percentile per-packet one-way delay: 144.325 ms  
Loss rate: 0.91%  
-- Flow 3:  
Average throughput: 59.14 Mbit/s  
95th percentile per-packet one-way delay: 142.944 ms  
Loss rate: 2.52%

Run 10: Report of Copa — Data Link



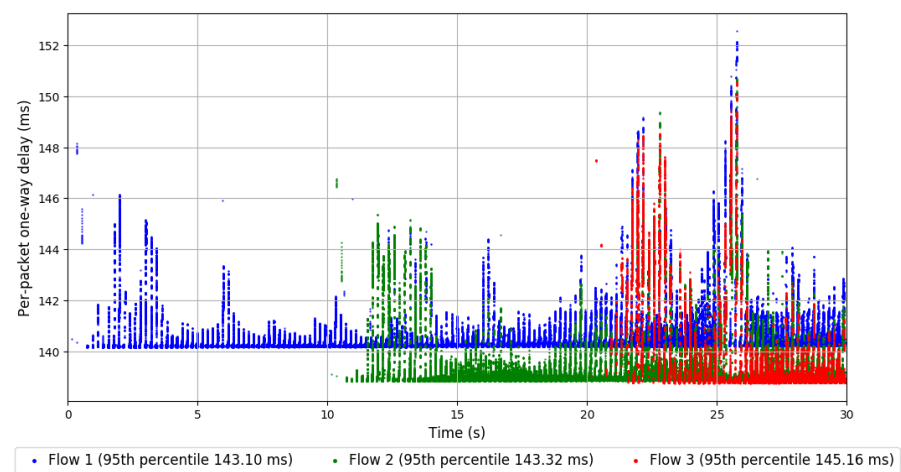
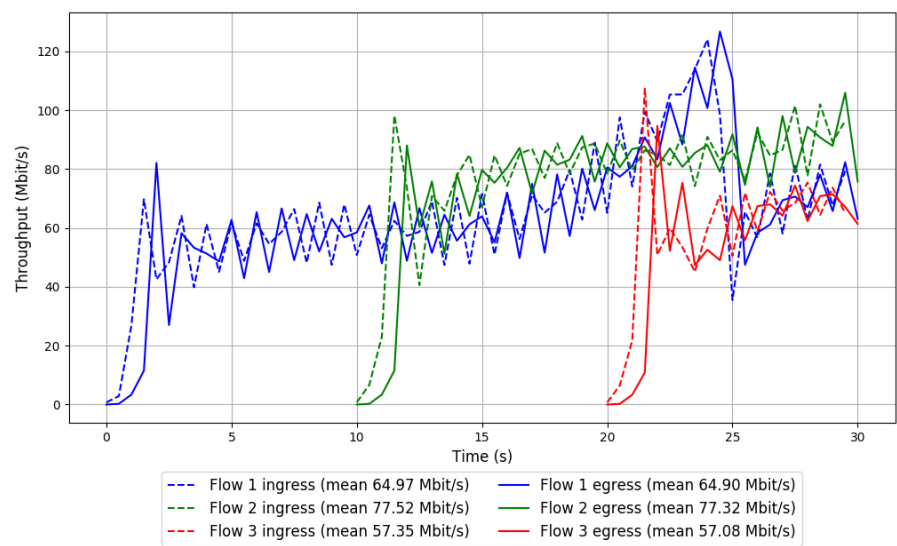
Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 07:59:14  
End at: 2018-07-25 07:59:44  
Local clock offset: 0.425 ms  
Remote clock offset: -34.393 ms

# Below is generated by plot.py at 2018-07-25 13:16:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 134.92 Mbit/s  
95th percentile per-packet one-way delay: 143.578 ms  
Loss rate: 1.16%  
-- Flow 1:  
Average throughput: 64.90 Mbit/s  
95th percentile per-packet one-way delay: 143.104 ms  
Loss rate: 0.76%  
-- Flow 2:  
Average throughput: 77.32 Mbit/s  
95th percentile per-packet one-way delay: 143.320 ms  
Loss rate: 1.22%  
-- Flow 3:  
Average throughput: 57.08 Mbit/s  
95th percentile per-packet one-way delay: 145.164 ms  
Loss rate: 2.37%



Run 1: Report of TCP Cubic — Data Link

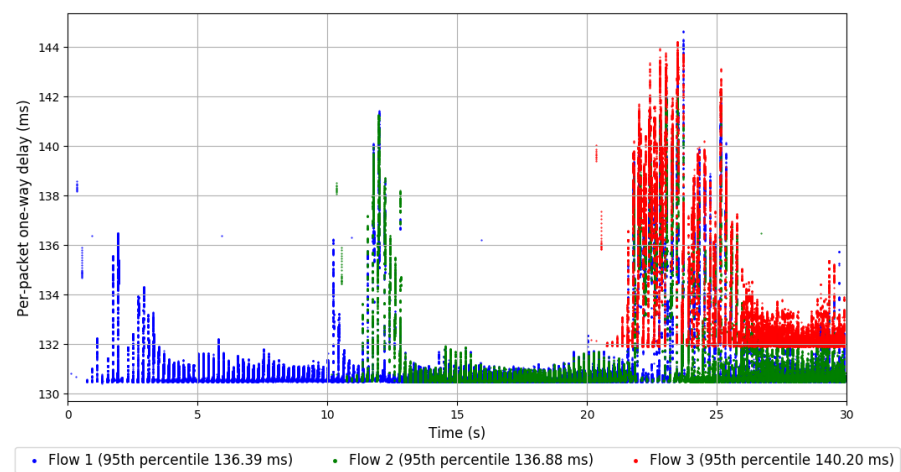
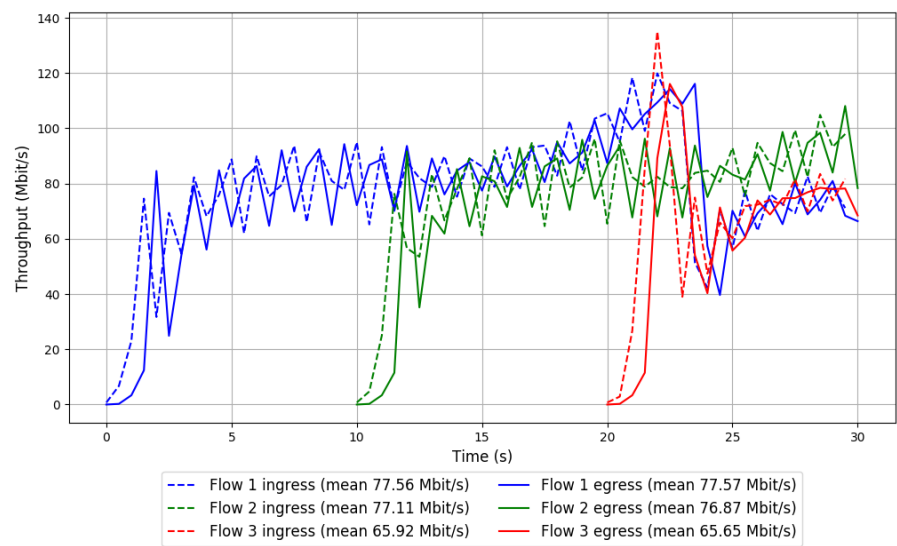


Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 08:29:05  
End at: 2018-07-25 08:29:35  
Local clock offset: -1.411 ms  
Remote clock offset: -26.338 ms

# Below is generated by plot.py at 2018-07-25 13:16:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 150.13 Mbit/s  
95th percentile per-packet one-way delay: 137.829 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 77.57 Mbit/s  
95th percentile per-packet one-way delay: 136.393 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 76.87 Mbit/s  
95th percentile per-packet one-way delay: 136.876 ms  
Loss rate: 1.27%  
-- Flow 3:  
Average throughput: 65.65 Mbit/s  
95th percentile per-packet one-way delay: 140.196 ms  
Loss rate: 2.38%

Run 2: Report of TCP Cubic — Data Link

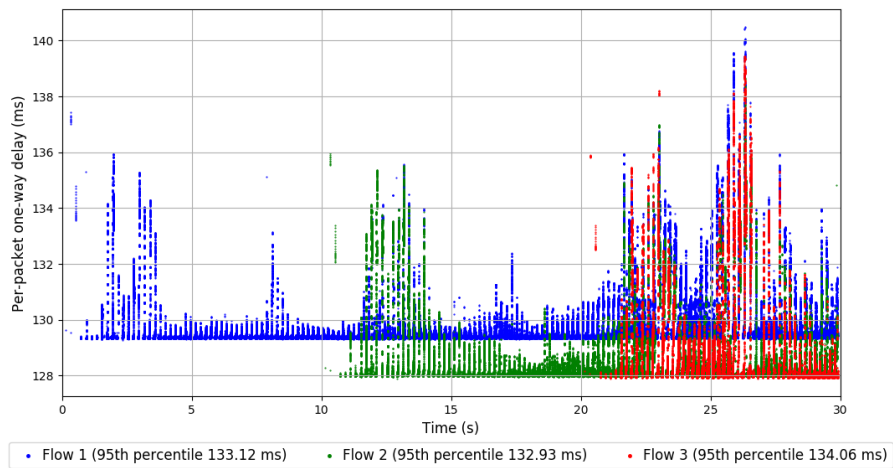
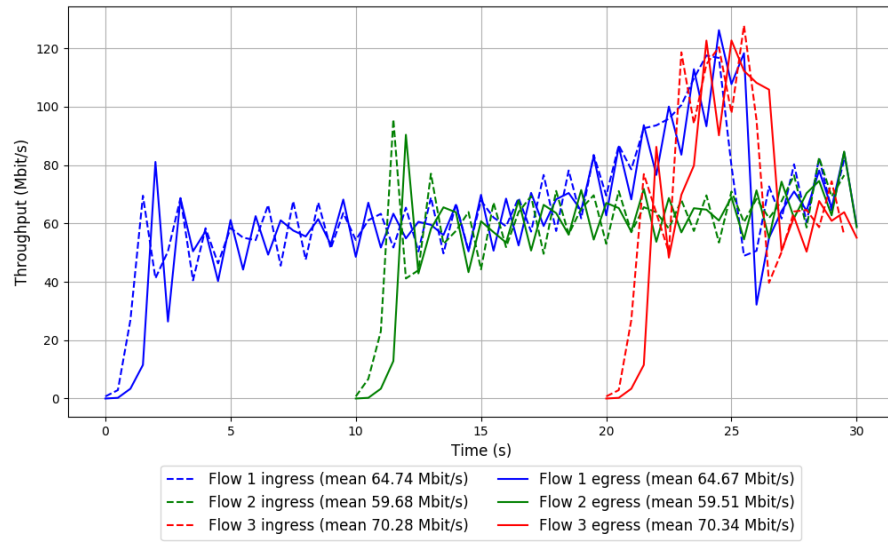


Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 08:59:28  
End at: 2018-07-25 08:59:58  
Local clock offset: -1.138 ms  
Remote clock offset: -23.613 ms

# Below is generated by plot.py at 2018-07-25 13:16:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 127.17 Mbit/s  
95th percentile per-packet one-way delay: 133.266 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 64.67 Mbit/s  
95th percentile per-packet one-way delay: 133.122 ms  
Loss rate: 0.76%  
-- Flow 2:  
Average throughput: 59.51 Mbit/s  
95th percentile per-packet one-way delay: 132.932 ms  
Loss rate: 1.26%  
-- Flow 3:  
Average throughput: 70.34 Mbit/s  
95th percentile per-packet one-way delay: 134.055 ms  
Loss rate: 1.85%

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

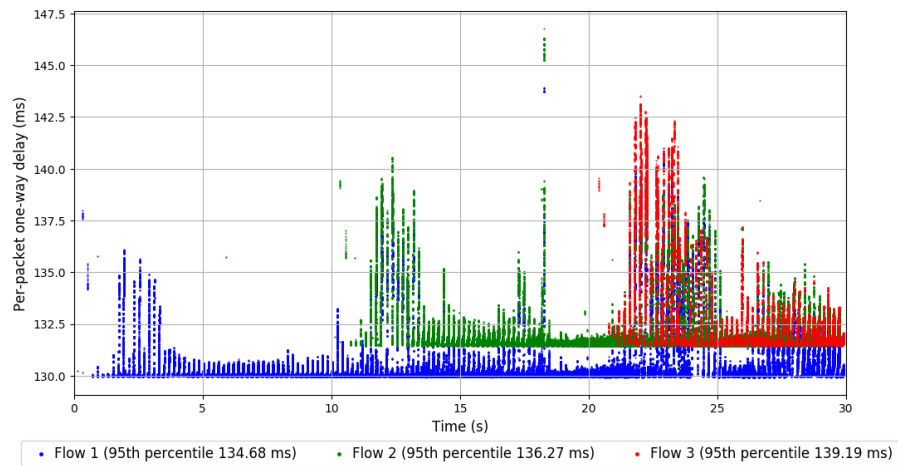
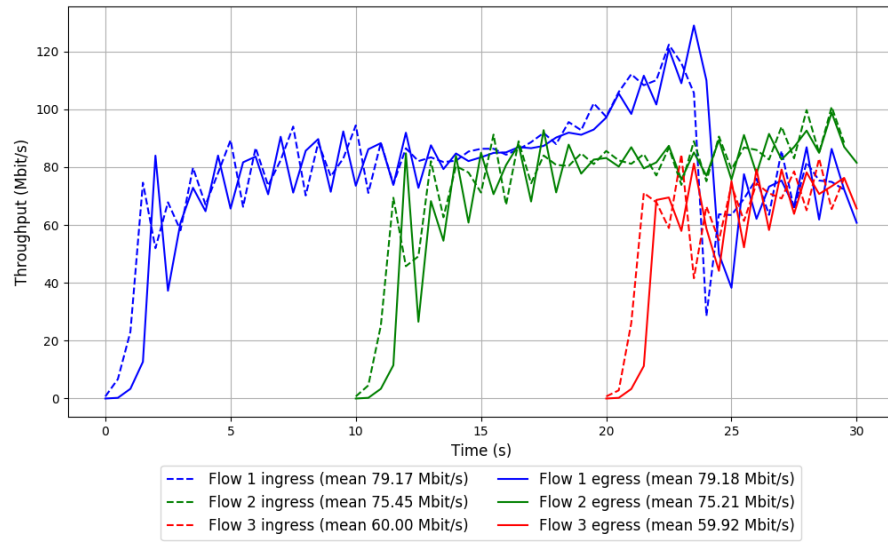


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 09:40:41  
End at: 2018-07-25 09:41:11  
Local clock offset: 2.571 ms  
Remote clock offset: -24.51 ms

# Below is generated by plot.py at 2018-07-25 13:16:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 148.70 Mbit/s  
95th percentile per-packet one-way delay: 136.093 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 79.18 Mbit/s  
95th percentile per-packet one-way delay: 134.681 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 75.21 Mbit/s  
95th percentile per-packet one-way delay: 136.272 ms  
Loss rate: 1.27%  
-- Flow 3:  
Average throughput: 59.92 Mbit/s  
95th percentile per-packet one-way delay: 139.193 ms  
Loss rate: 2.12%

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



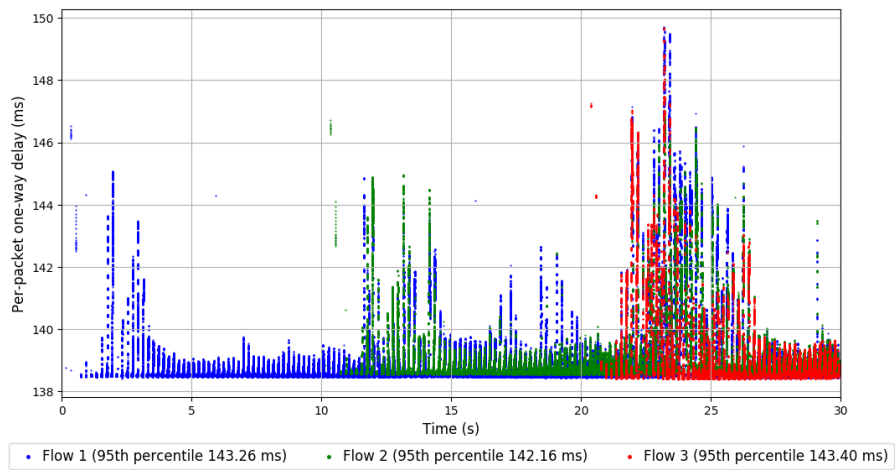
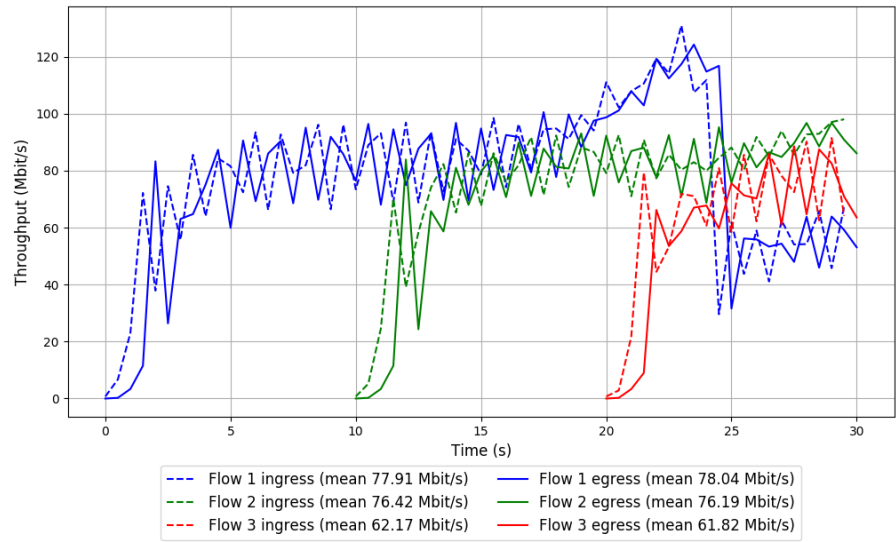
Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 10:20:21  
End at: 2018-07-25 10:20:51  
Local clock offset: -0.75 ms  
Remote clock offset: -37.061 ms

# Below is generated by plot.py at 2018-07-25 13:16:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 148.87 Mbit/s  
95th percentile per-packet one-way delay: 143.034 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 78.04 Mbit/s  
95th percentile per-packet one-way delay: 143.258 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 76.19 Mbit/s  
95th percentile per-packet one-way delay: 142.156 ms  
Loss rate: 1.27%  
-- Flow 3:  
Average throughput: 61.82 Mbit/s  
95th percentile per-packet one-way delay: 143.404 ms  
Loss rate: 2.49%



# Run 5: Report of TCP Cubic — Data Link

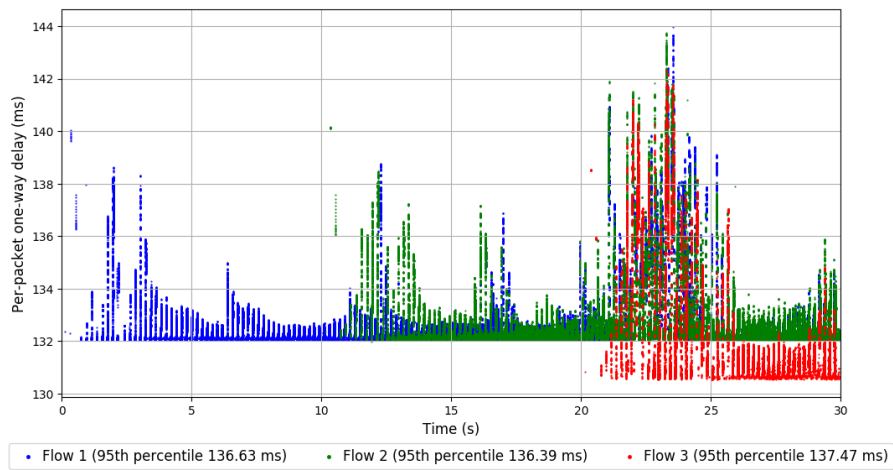
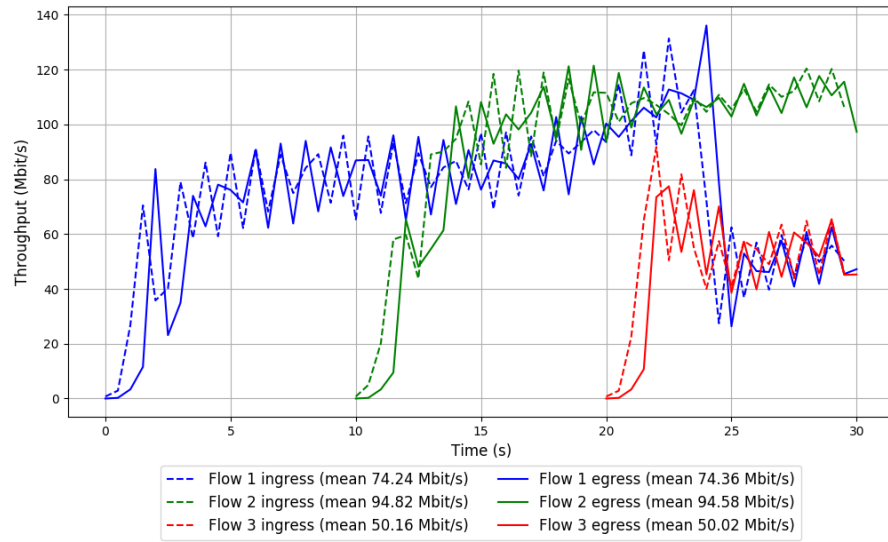


Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 10:44:54  
End at: 2018-07-25 10:45:24  
Local clock offset: -0.489 ms  
Remote clock offset: -31.055 ms

# Below is generated by plot.py at 2018-07-25 13:16:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 153.55 Mbit/s  
95th percentile per-packet one-way delay: 136.872 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 74.36 Mbit/s  
95th percentile per-packet one-way delay: 136.635 ms  
Loss rate: 0.48%  
-- Flow 2:  
Average throughput: 94.58 Mbit/s  
95th percentile per-packet one-way delay: 136.394 ms  
Loss rate: 1.23%  
-- Flow 3:  
Average throughput: 50.02 Mbit/s  
95th percentile per-packet one-way delay: 137.473 ms  
Loss rate: 2.22%

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

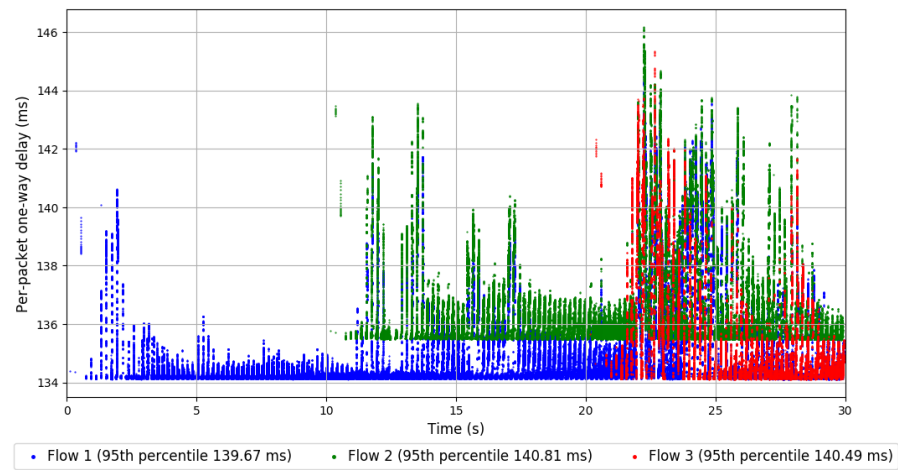
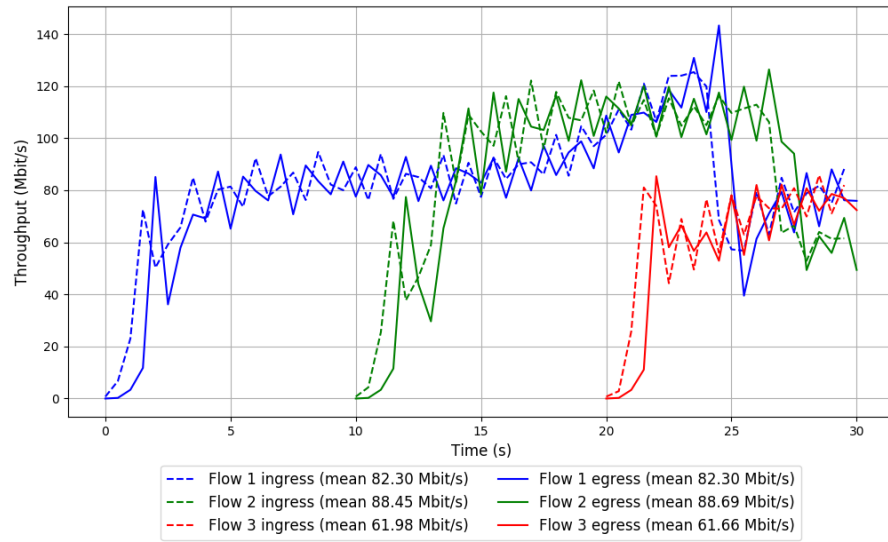


Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 11:09:29  
End at: 2018-07-25 11:09:59  
Local clock offset: -1.102 ms  
Remote clock offset: -35.817 ms

# Below is generated by plot.py at 2018-07-25 13:16:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 161.27 Mbit/s  
95th percentile per-packet one-way delay: 140.275 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 82.30 Mbit/s  
95th percentile per-packet one-way delay: 139.670 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 88.69 Mbit/s  
95th percentile per-packet one-way delay: 140.806 ms  
Loss rate: 0.71%  
-- Flow 3:  
Average throughput: 61.66 Mbit/s  
95th percentile per-packet one-way delay: 140.488 ms  
Loss rate: 2.47%

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

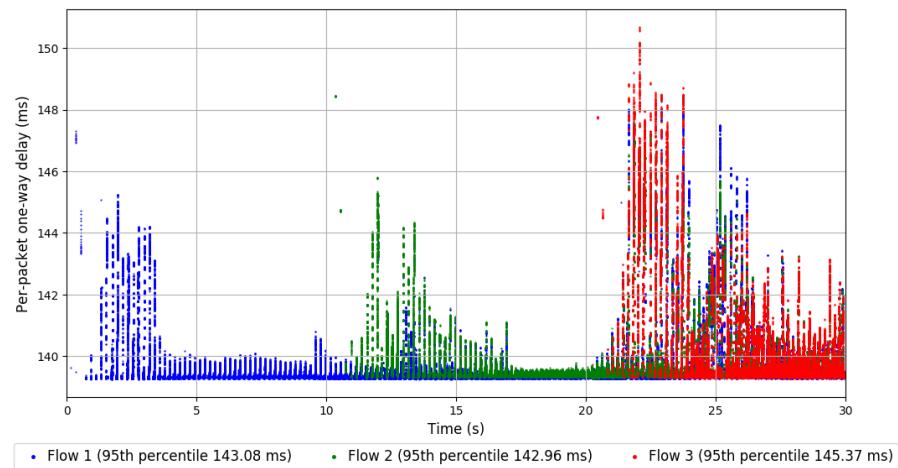
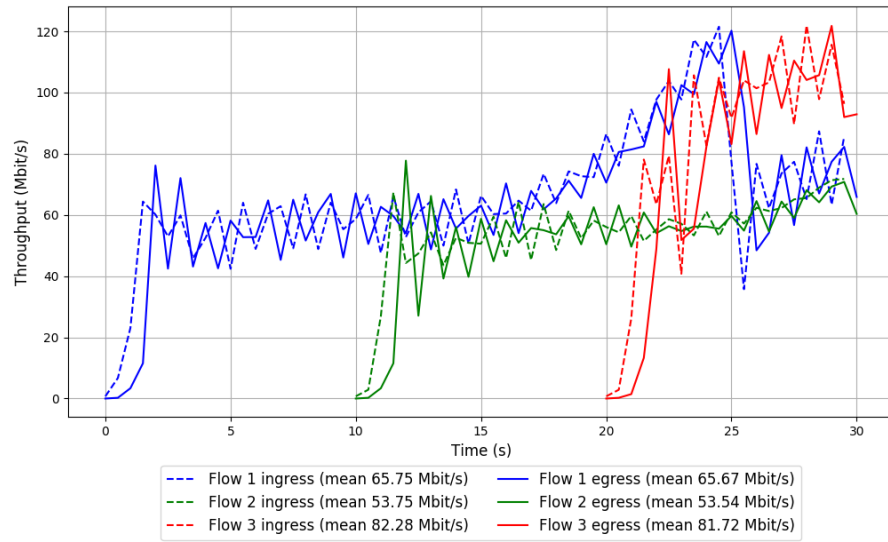


Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 11:39:40  
End at: 2018-07-25 11:40:10  
Local clock offset: 1.196 ms  
Remote clock offset: -37.155 ms

# Below is generated by plot.py at 2018-07-25 13:16:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 127.75 Mbit/s  
95th percentile per-packet one-way delay: 143.696 ms  
Loss rate: 1.32%  
-- Flow 1:  
Average throughput: 65.67 Mbit/s  
95th percentile per-packet one-way delay: 143.084 ms  
Loss rate: 0.76%  
-- Flow 2:  
Average throughput: 53.54 Mbit/s  
95th percentile per-packet one-way delay: 142.961 ms  
Loss rate: 1.37%  
-- Flow 3:  
Average throughput: 81.72 Mbit/s  
95th percentile per-packet one-way delay: 145.370 ms  
Loss rate: 2.61%

# Run 8: Report of TCP Cubic — Data Link



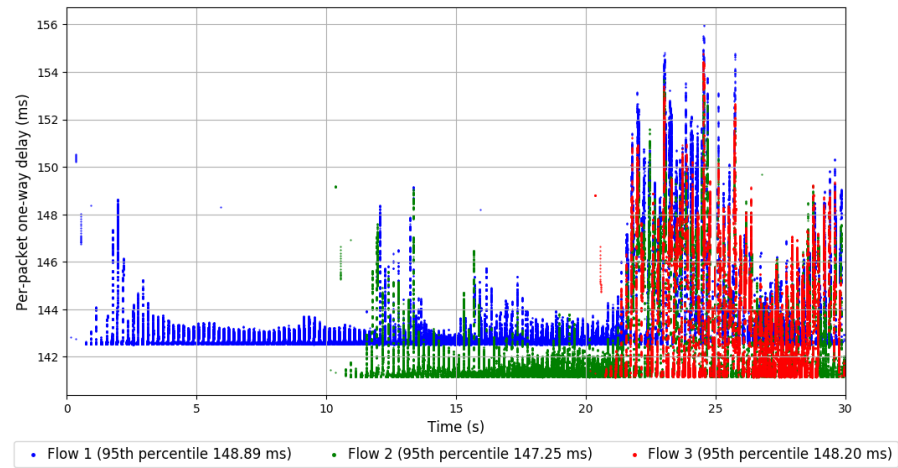
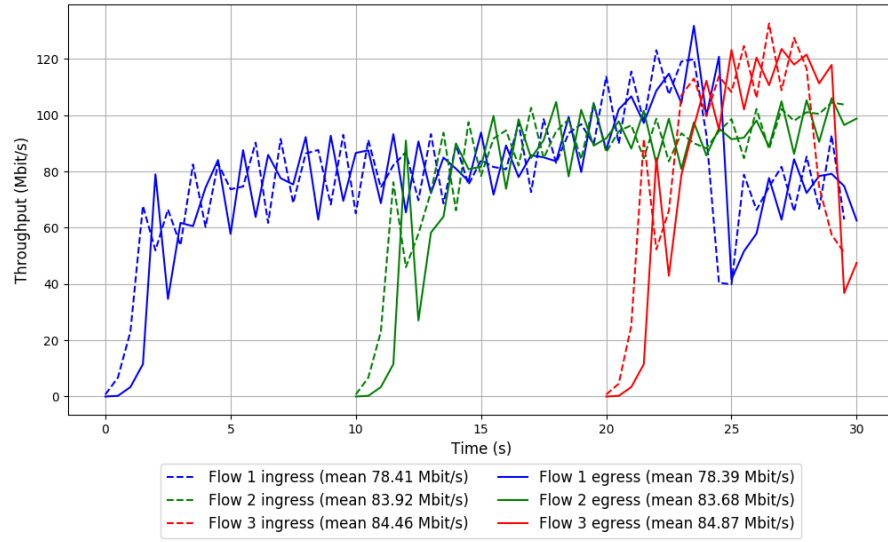
Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 12:21:14  
End at: 2018-07-25 12:21:44  
Local clock offset: 0.861 ms  
Remote clock offset: -41.376 ms

# Below is generated by plot.py at 2018-07-25 13:17:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 161.76 Mbit/s  
95th percentile per-packet one-way delay: 148.206 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 78.39 Mbit/s  
95th percentile per-packet one-way delay: 148.892 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 83.68 Mbit/s  
95th percentile per-packet one-way delay: 147.248 ms  
Loss rate: 1.24%  
-- Flow 3:  
Average throughput: 84.87 Mbit/s  
95th percentile per-packet one-way delay: 148.198 ms  
Loss rate: 1.45%



# Run 9: Report of TCP Cubic — Data Link

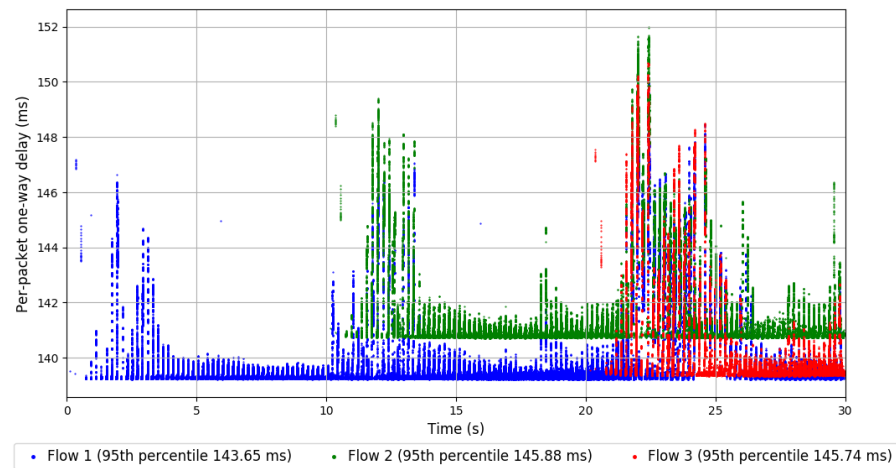
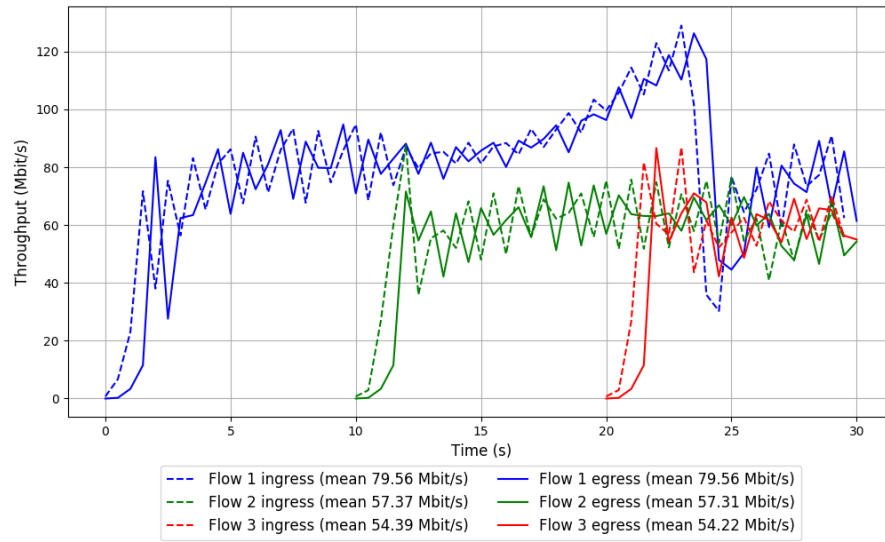


Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 12:57:18  
End at: 2018-07-25 12:57:48  
Local clock offset: 3.03 ms  
Remote clock offset: -37.855 ms

# Below is generated by plot.py at 2018-07-25 13:17:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 135.36 Mbit/s  
95th percentile per-packet one-way delay: 144.824 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 79.56 Mbit/s  
95th percentile per-packet one-way delay: 143.649 ms  
Loss rate: 0.65%  
-- Flow 2:  
Average throughput: 57.31 Mbit/s  
95th percentile per-packet one-way delay: 145.876 ms  
Loss rate: 1.08%  
-- Flow 3:  
Average throughput: 54.22 Mbit/s  
95th percentile per-packet one-way delay: 145.743 ms  
Loss rate: 2.24%

# Run 10: Report of TCP Cubic — Data Link

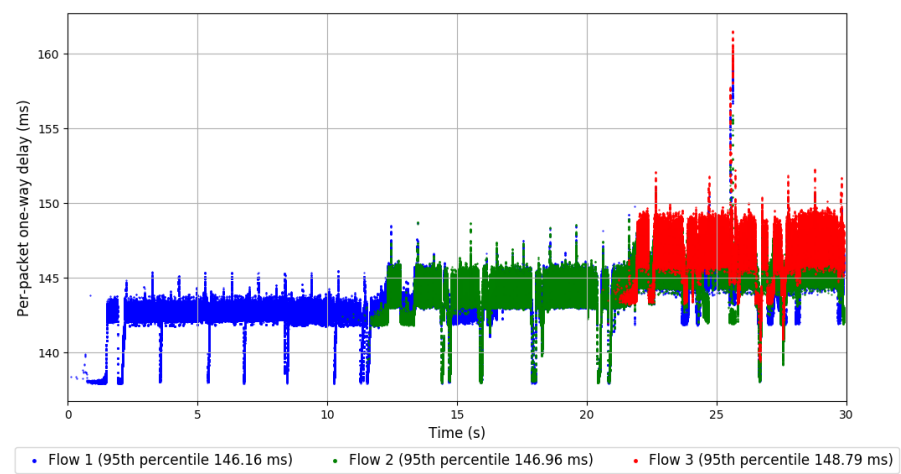
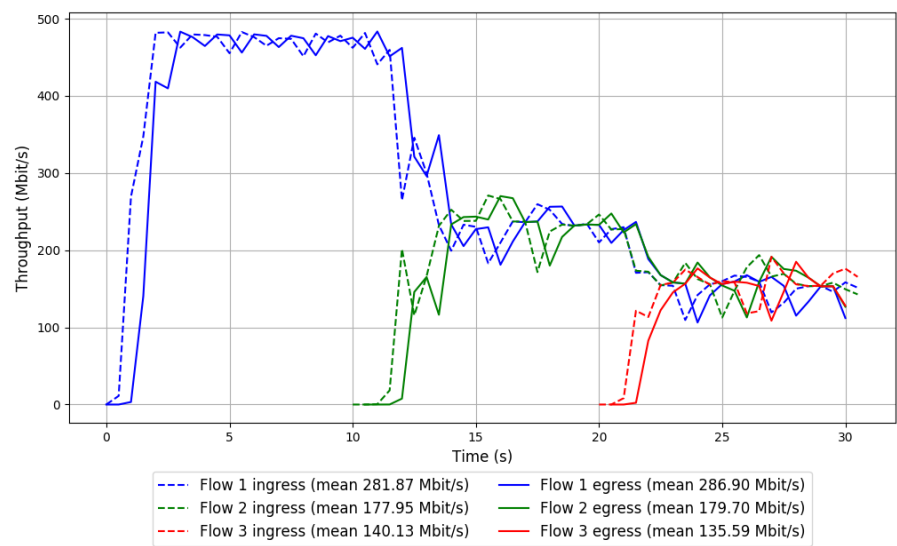


Run 1: Statistics of FillP

Start at: 2018-07-25 08:00:38  
End at: 2018-07-25 08:01:08  
Local clock offset: 1.45 ms  
Remote clock offset: -32.534 ms

# Below is generated by plot.py at 2018-07-25 13:22:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 445.78 Mbit/s  
95th percentile per-packet one-way delay: 147.341 ms  
Loss rate: 4.29%  
-- Flow 1:  
Average throughput: 286.90 Mbit/s  
95th percentile per-packet one-way delay: 146.160 ms  
Loss rate: 2.23%  
-- Flow 2:  
Average throughput: 179.70 Mbit/s  
95th percentile per-packet one-way delay: 146.959 ms  
Loss rate: 5.05%  
-- Flow 3:  
Average throughput: 135.59 Mbit/s  
95th percentile per-packet one-way delay: 148.787 ms  
Loss rate: 14.58%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-25 08:36:18

End at: 2018-07-25 08:36:48

Local clock offset: 1.221 ms

Remote clock offset: -32.571 ms

Run 2: Report of FillP — Data Link

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Figure is missing

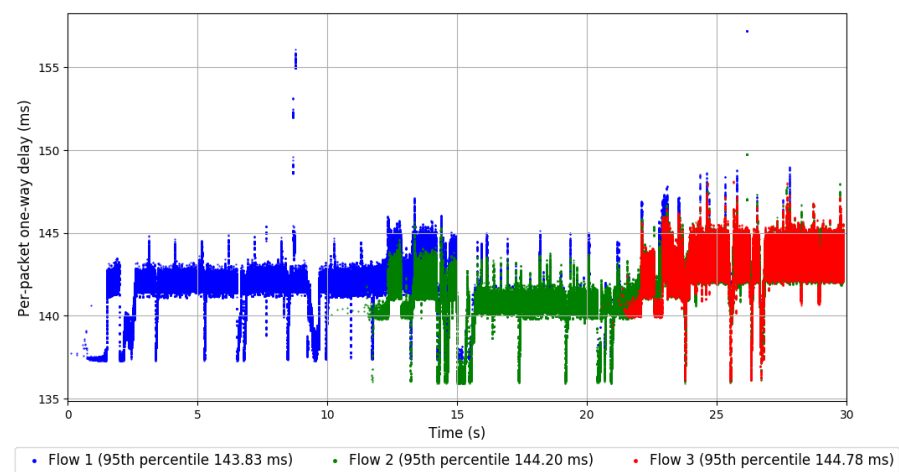
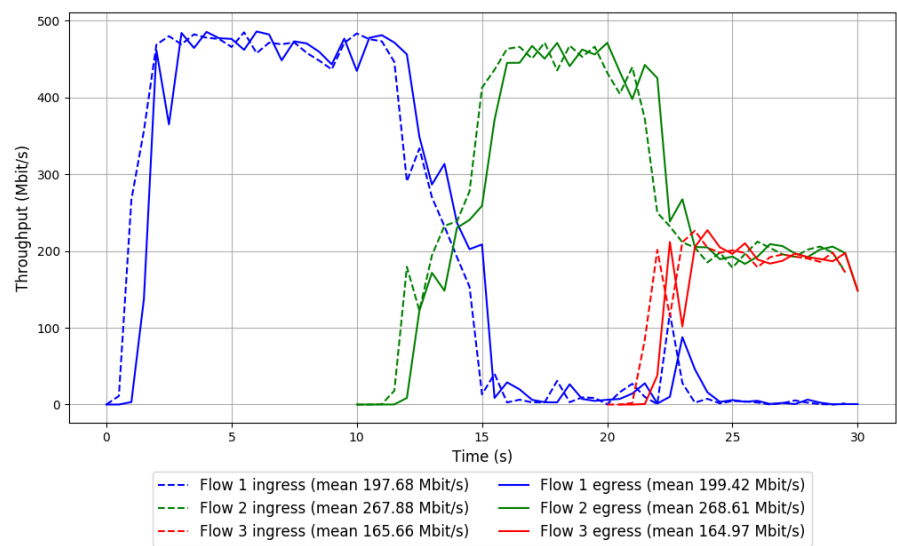
Run 3: Statistics of FillP

Start at: 2018-07-25 09:00:52  
End at: 2018-07-25 09:01:22  
Local clock offset: 0.924 ms  
Remote clock offset: -29.657 ms

# Below is generated by plot.py at 2018-07-25 13:22:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 428.49 Mbit/s  
95th percentile per-packet one-way delay: 144.277 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 199.42 Mbit/s  
95th percentile per-packet one-way delay: 143.831 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 268.61 Mbit/s  
95th percentile per-packet one-way delay: 144.199 ms  
Loss rate: 0.76%  
-- Flow 3:  
Average throughput: 164.97 Mbit/s  
95th percentile per-packet one-way delay: 144.779 ms  
Loss rate: 2.55%



Run 3: Report of FillP — Data Link

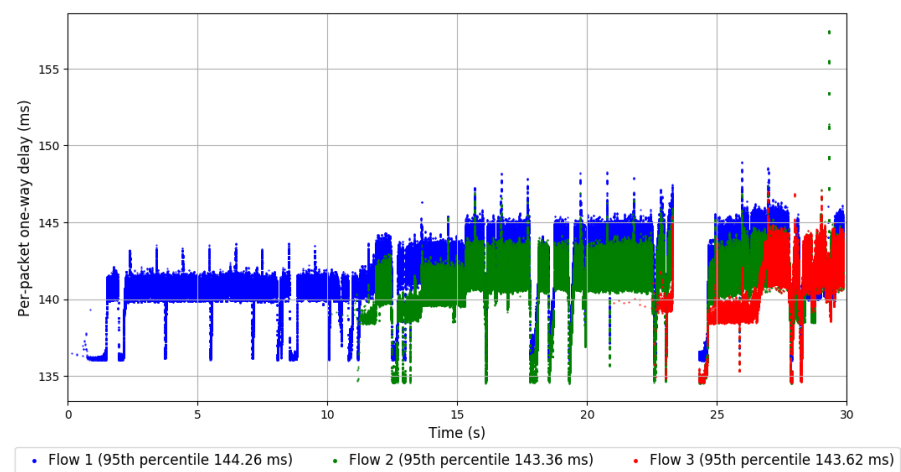
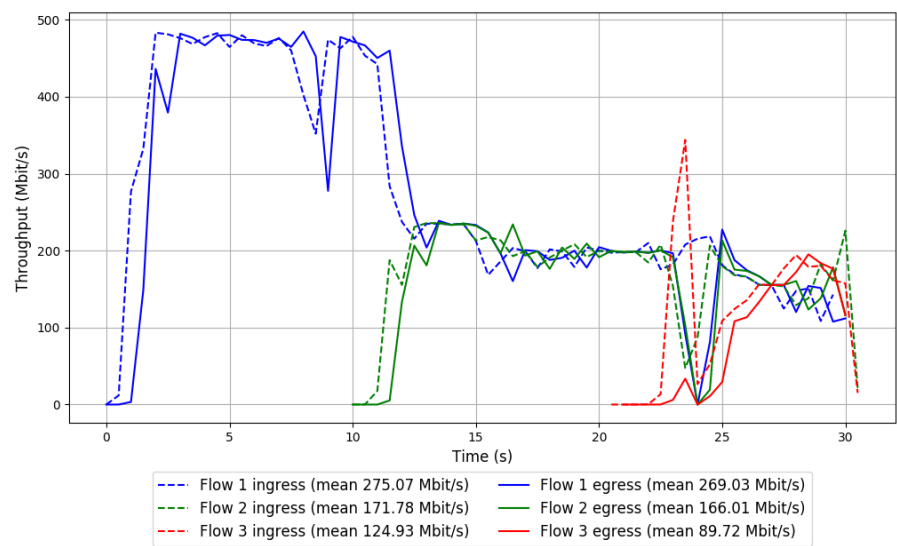


Run 4: Statistics of FillP

Start at: 2018-07-25 09:42:14  
End at: 2018-07-25 09:42:44  
Local clock offset: -0.182 ms  
Remote clock offset: -32.066 ms

# Below is generated by plot.py at 2018-07-25 13:22:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 405.85 Mbit/s  
95th percentile per-packet one-way delay: 144.062 ms  
Loss rate: 7.04%  
-- Flow 1:  
Average throughput: 269.03 Mbit/s  
95th percentile per-packet one-way delay: 144.264 ms  
Loss rate: 2.95%  
-- Flow 2:  
Average throughput: 166.01 Mbit/s  
95th percentile per-packet one-way delay: 143.356 ms  
Loss rate: 7.24%  
-- Flow 3:  
Average throughput: 89.72 Mbit/s  
95th percentile per-packet one-way delay: 143.619 ms  
Loss rate: 34.31%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

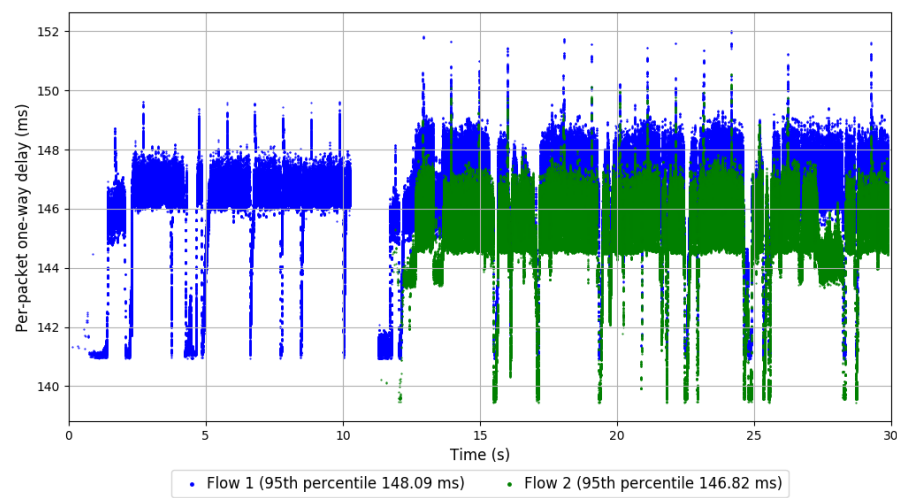
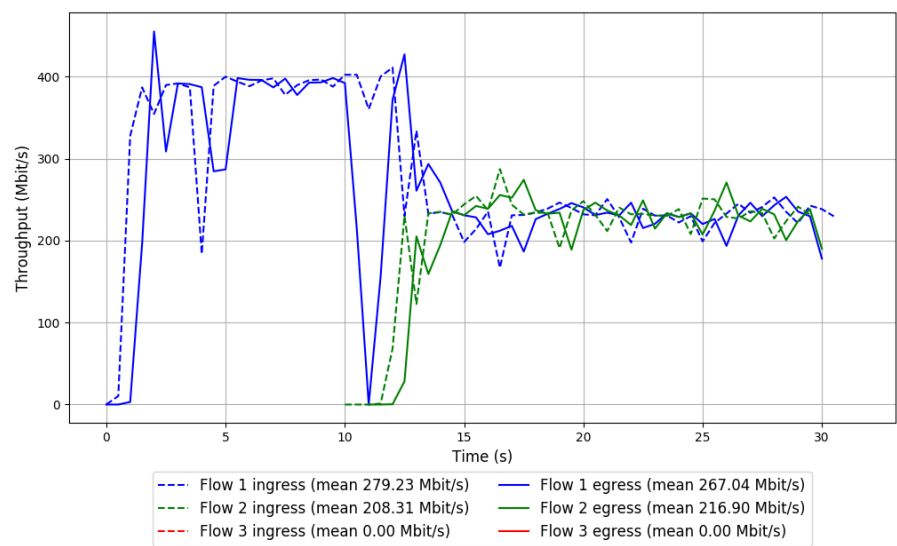
Start at: 2018-07-25 10:21:47

End at: 2018-07-25 10:22:17

Local clock offset: 1.303 ms

Remote clock offset: -37.607 ms

Run 5: Report of FillP — Data Link

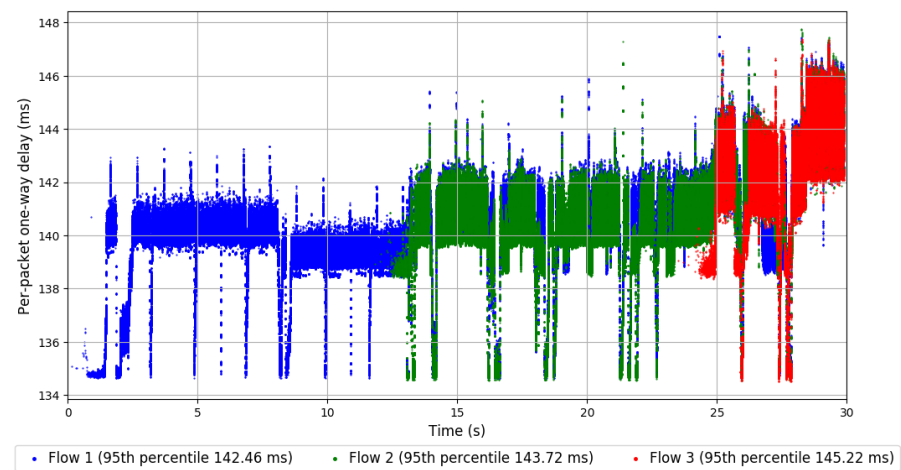
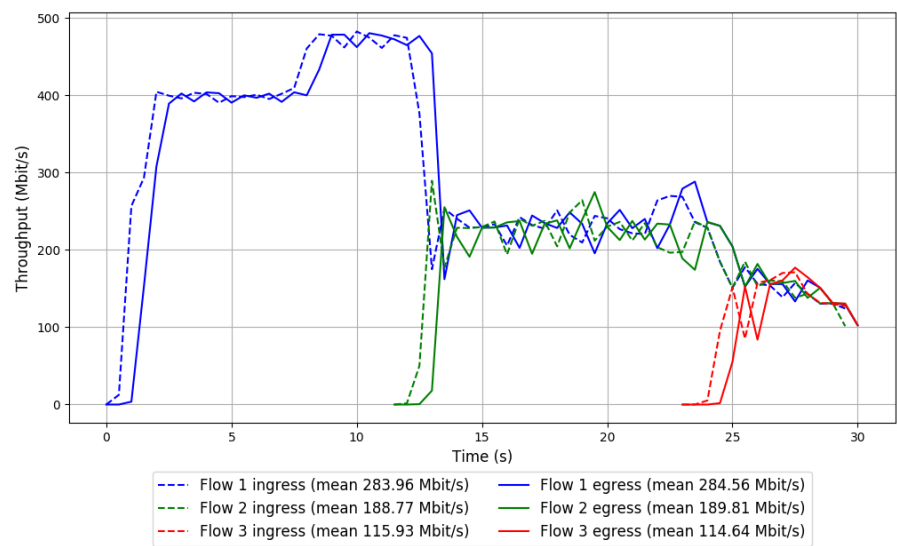


Run 6: Statistics of FillP

Start at: 2018-07-25 10:46:19  
End at: 2018-07-25 10:46:49  
Local clock offset: -0.213 ms  
Remote clock offset: -34.888 ms

# Below is generated by plot.py at 2018-07-25 13:22:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 424.36 Mbit/s  
95th percentile per-packet one-way delay: 143.502 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 284.56 Mbit/s  
95th percentile per-packet one-way delay: 142.459 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 189.81 Mbit/s  
95th percentile per-packet one-way delay: 143.719 ms  
Loss rate: 0.54%  
-- Flow 3:  
Average throughput: 114.64 Mbit/s  
95th percentile per-packet one-way delay: 145.221 ms  
Loss rate: 4.09%

Run 6: Report of FillP — Data Link



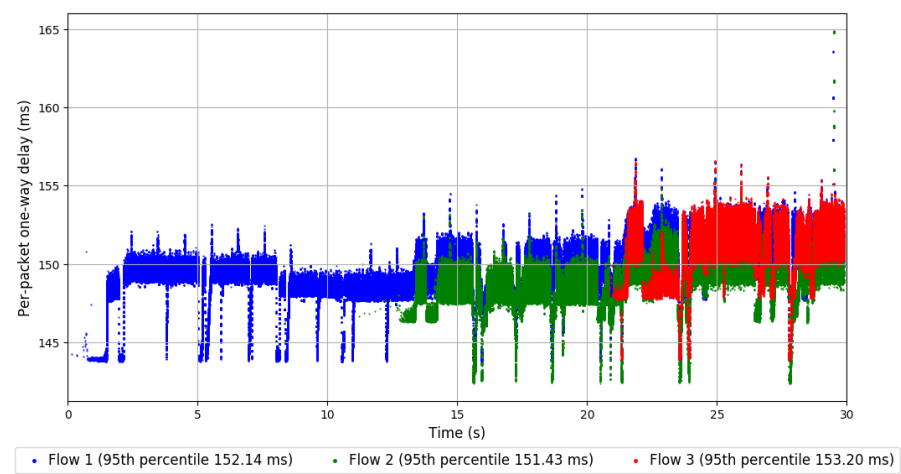
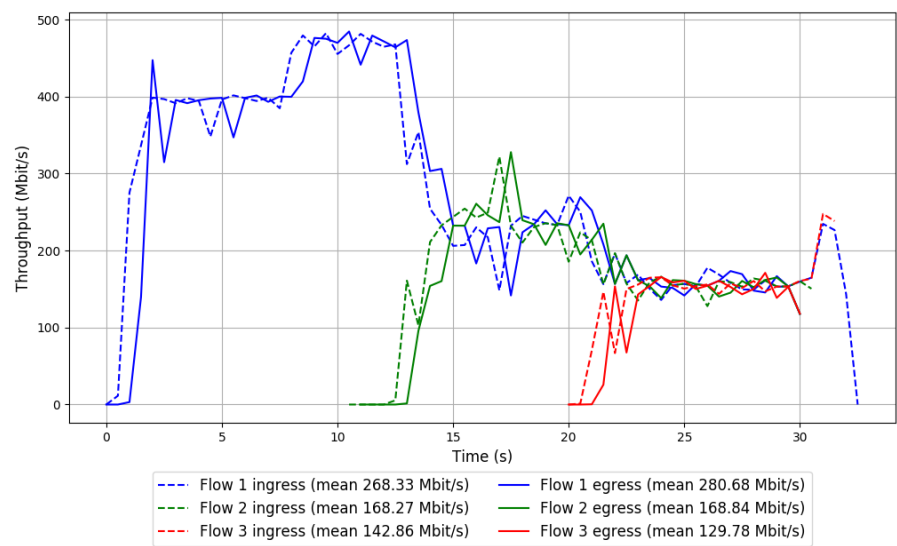
Run 7: Statistics of FillP

Start at: 2018-07-25 11:10:54  
End at: 2018-07-25 11:11:24  
Local clock offset: 1.225 ms  
Remote clock offset: -41.998 ms

# Below is generated by plot.py at 2018-07-25 13:22:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 430.25 Mbit/s  
95th percentile per-packet one-way delay: 152.370 ms  
Loss rate: 8.23%  
-- Flow 1:  
Average throughput: 280.68 Mbit/s  
95th percentile per-packet one-way delay: 152.144 ms  
Loss rate: 5.71%  
-- Flow 2:  
Average throughput: 168.84 Mbit/s  
95th percentile per-packet one-way delay: 151.433 ms  
Loss rate: 5.79%  
-- Flow 3:  
Average throughput: 129.78 Mbit/s  
95th percentile per-packet one-way delay: 153.204 ms  
Loss rate: 26.14%



Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

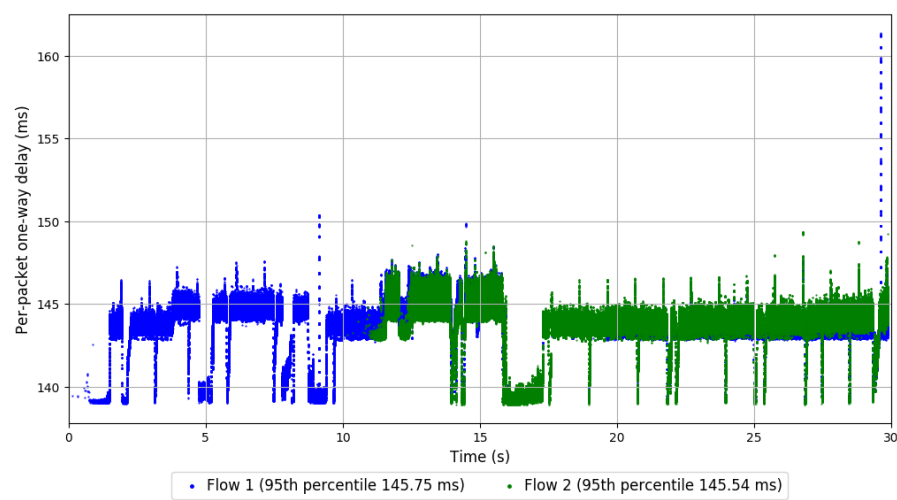
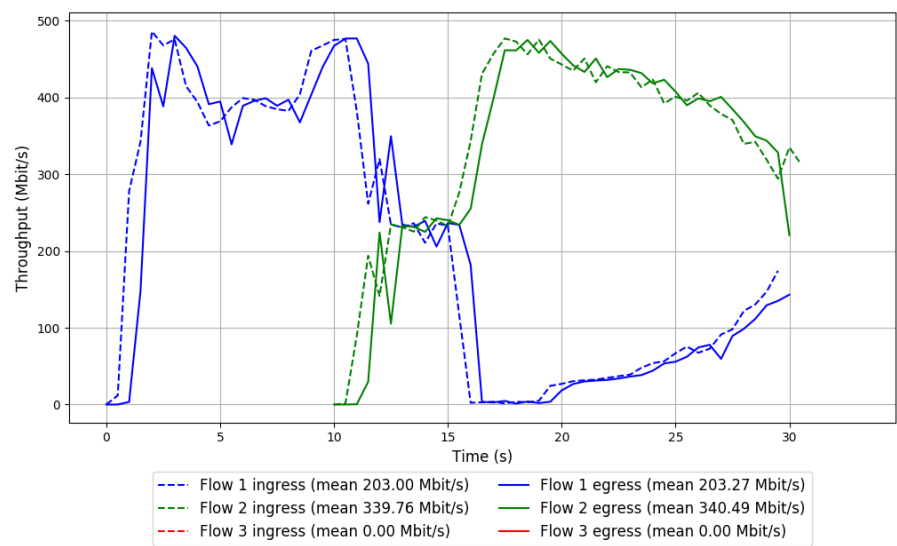
Start at: 2018-07-25 11:41:03

End at: 2018-07-25 11:41:33

Local clock offset: 2.57 ms

Remote clock offset: -35.519 ms

Run 8: Report of FillP — Data Link

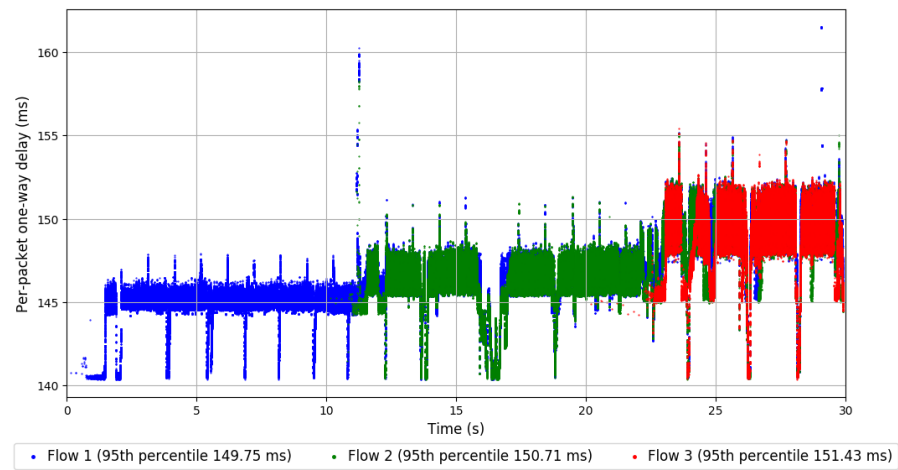
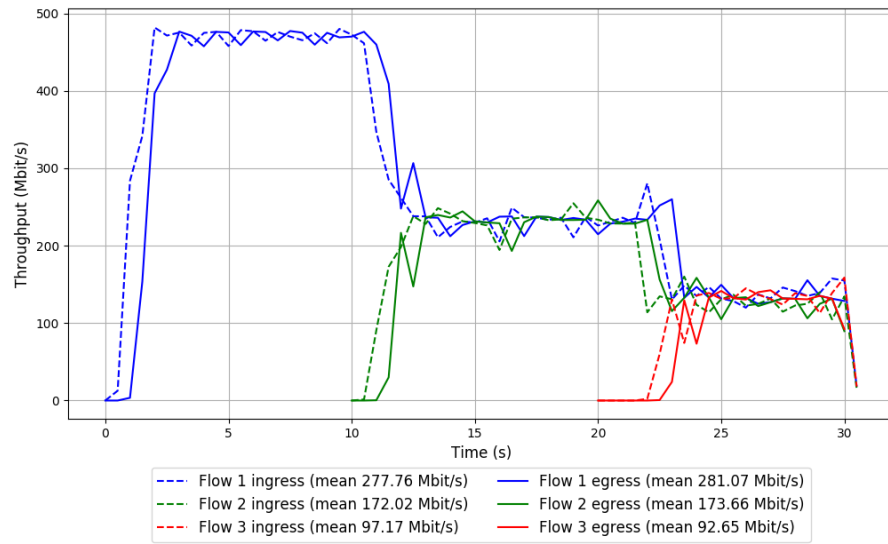


Run 9: Statistics of FillP

Start at: 2018-07-25 12:22:41  
End at: 2018-07-25 12:23:11  
Local clock offset: 2.981 ms  
Remote clock offset: -38.612 ms

# Below is generated by plot.py at 2018-07-25 13:23:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 426.49 Mbit/s  
95th percentile per-packet one-way delay: 150.579 ms  
Loss rate: 2.71%  
-- Flow 1:  
Average throughput: 281.07 Mbit/s  
95th percentile per-packet one-way delay: 149.746 ms  
Loss rate: 1.47%  
-- Flow 2:  
Average throughput: 173.66 Mbit/s  
95th percentile per-packet one-way delay: 150.714 ms  
Loss rate: 3.02%  
-- Flow 3:  
Average throughput: 92.65 Mbit/s  
95th percentile per-packet one-way delay: 151.433 ms  
Loss rate: 11.95%

## Run 9: Report of FillP — Data Link

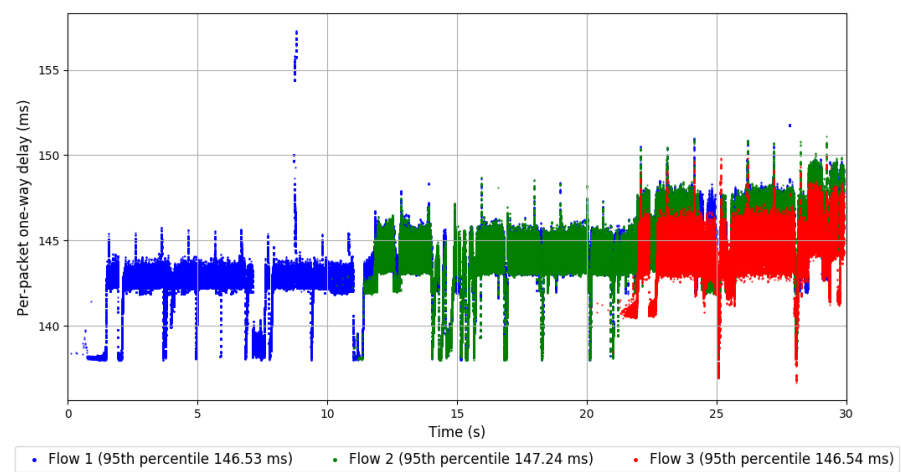
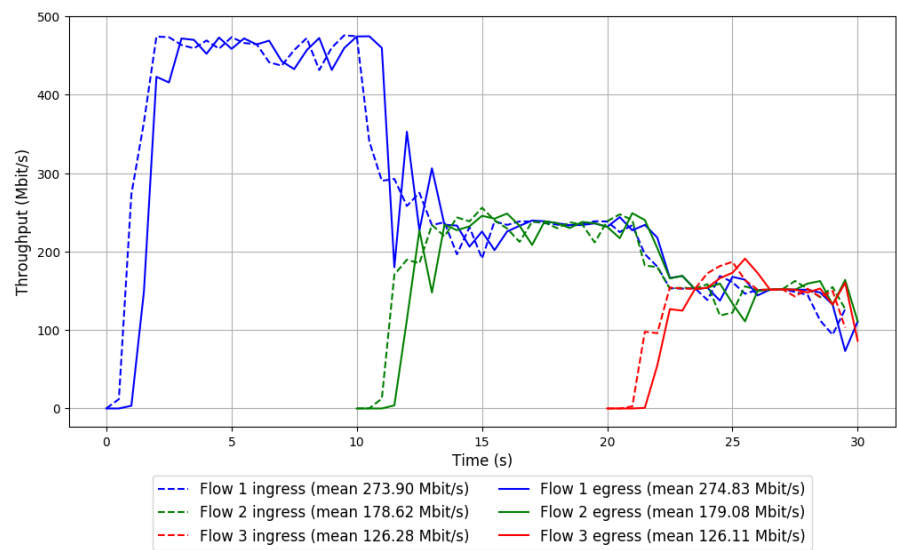


Run 10: Statistics of FillP

Start at: 2018-07-25 12:58:41  
End at: 2018-07-25 12:59:11  
Local clock offset: -0.683 ms  
Remote clock offset: -39.067 ms

# Below is generated by plot.py at 2018-07-25 13:27:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 434.75 Mbit/s  
95th percentile per-packet one-way delay: 146.847 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 274.83 Mbit/s  
95th percentile per-packet one-way delay: 146.526 ms  
Loss rate: 0.33%  
-- Flow 2:  
Average throughput: 179.08 Mbit/s  
95th percentile per-packet one-way delay: 147.240 ms  
Loss rate: 0.77%  
-- Flow 3:  
Average throughput: 126.11 Mbit/s  
95th percentile per-packet one-way delay: 146.537 ms  
Loss rate: 2.18%

Run 10: Report of FillP — Data Link



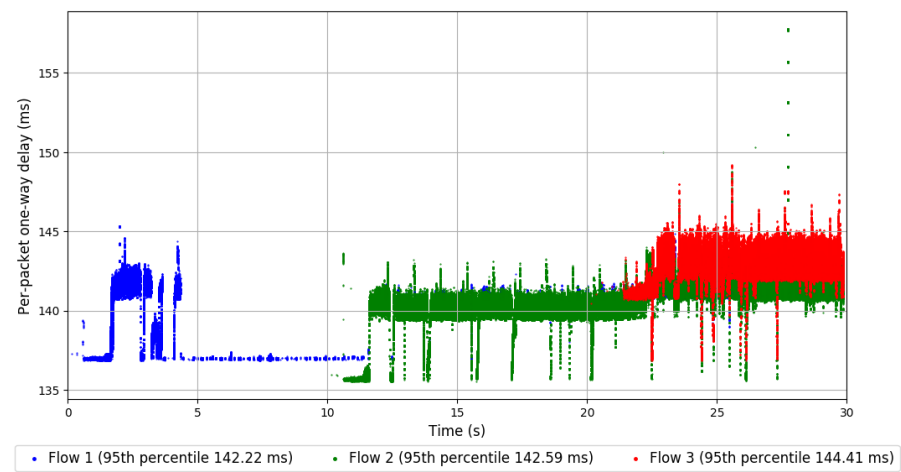
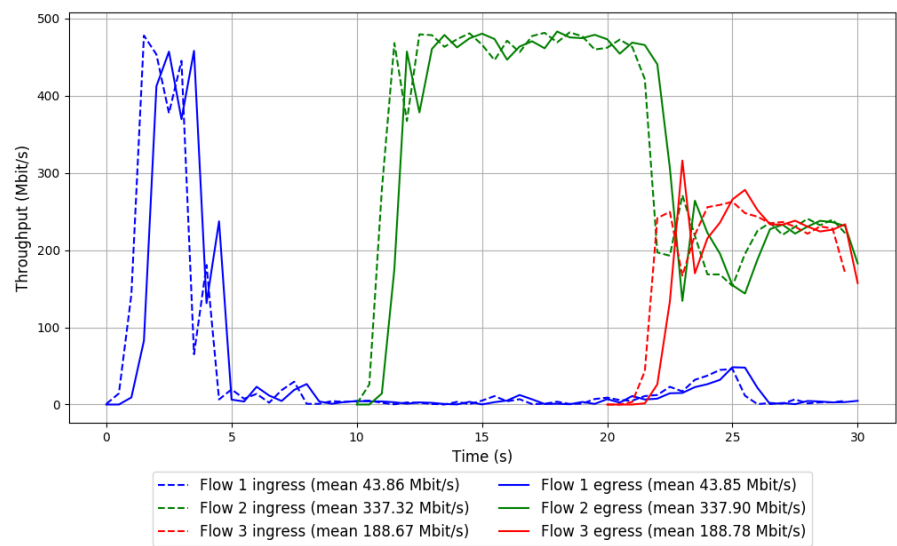
Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 07:47:41  
End at: 2018-07-25 07:48:11  
Local clock offset: -1.402 ms  
Remote clock offset: -34.178 ms

# Below is generated by plot.py at 2018-07-25 13:27:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 329.47 Mbit/s  
95th percentile per-packet one-way delay: 143.683 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 43.85 Mbit/s  
95th percentile per-packet one-way delay: 142.225 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 337.90 Mbit/s  
95th percentile per-packet one-way delay: 142.595 ms  
Loss rate: 0.83%  
-- Flow 3:  
Average throughput: 188.78 Mbit/s  
95th percentile per-packet one-way delay: 144.414 ms  
Loss rate: 1.97%



Run 1: Report of FillP-Sheep — Data Link

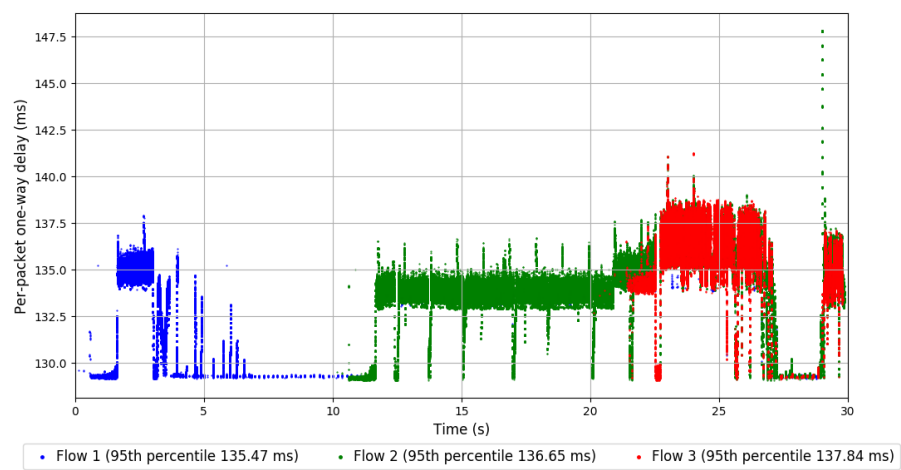
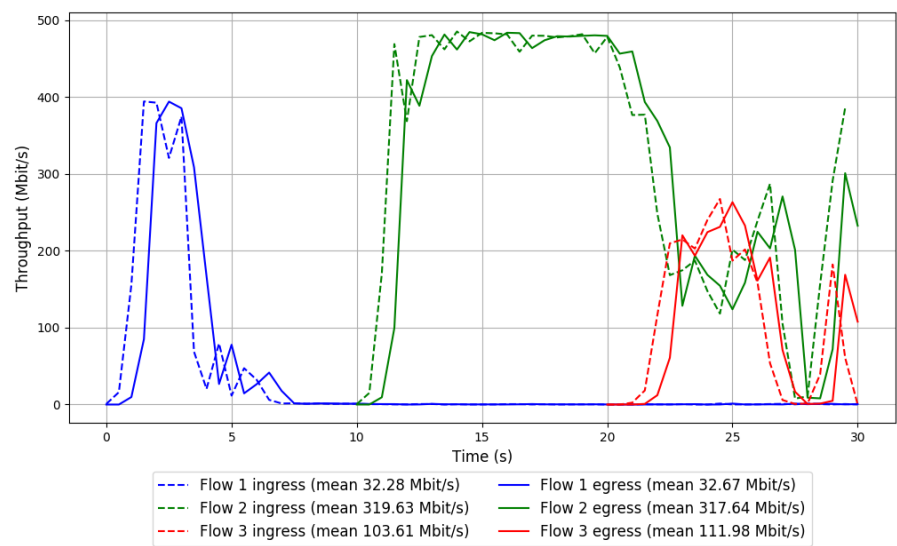


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 08:17:39  
End at: 2018-07-25 08:18:09  
Local clock offset: 0.076 ms  
Remote clock offset: -23.54 ms

# Below is generated by plot.py at 2018-07-25 13:27:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 279.51 Mbit/s  
95th percentile per-packet one-way delay: 137.136 ms  
Loss rate: 1.38%  
-- Flow 1:  
Average throughput: 32.67 Mbit/s  
95th percentile per-packet one-way delay: 135.474 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 317.64 Mbit/s  
95th percentile per-packet one-way delay: 136.649 ms  
Loss rate: 1.82%  
-- Flow 3:  
Average throughput: 111.98 Mbit/s  
95th percentile per-packet one-way delay: 137.845 ms  
Loss rate: 0.04%

Run 2: Report of FillP-Sheep — Data Link

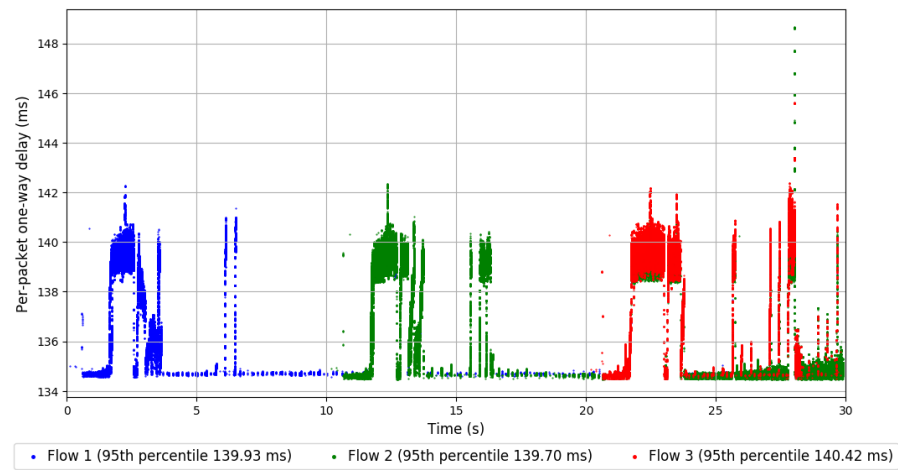
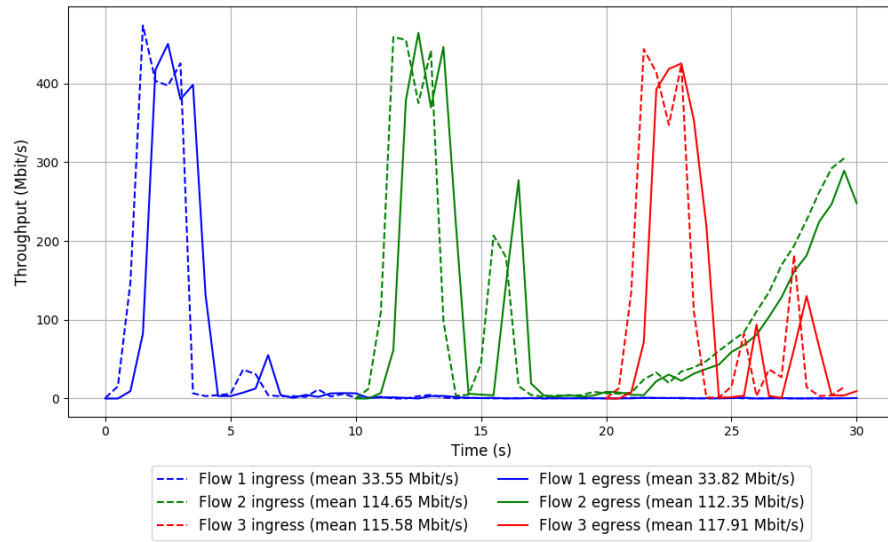


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 08:48:07  
End at: 2018-07-25 08:48:37  
Local clock offset: -2.111 ms  
Remote clock offset: -31.39 ms

# Below is generated by plot.py at 2018-07-25 13:27:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 146.25 Mbit/s  
95th percentile per-packet one-way delay: 140.025 ms  
Loss rate: 1.60%  
-- Flow 1:  
Average throughput: 33.82 Mbit/s  
95th percentile per-packet one-way delay: 139.931 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 112.35 Mbit/s  
95th percentile per-packet one-way delay: 139.697 ms  
Loss rate: 2.98%  
-- Flow 3:  
Average throughput: 117.91 Mbit/s  
95th percentile per-packet one-way delay: 140.423 ms  
Loss rate: 0.23%

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

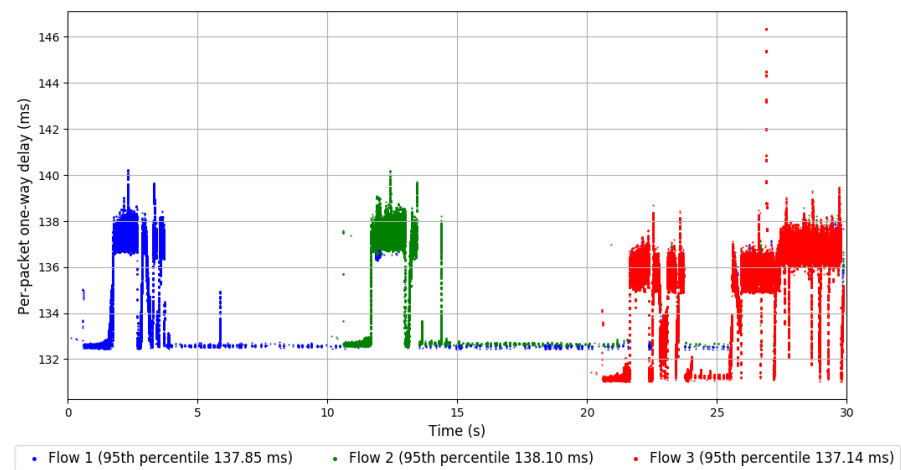
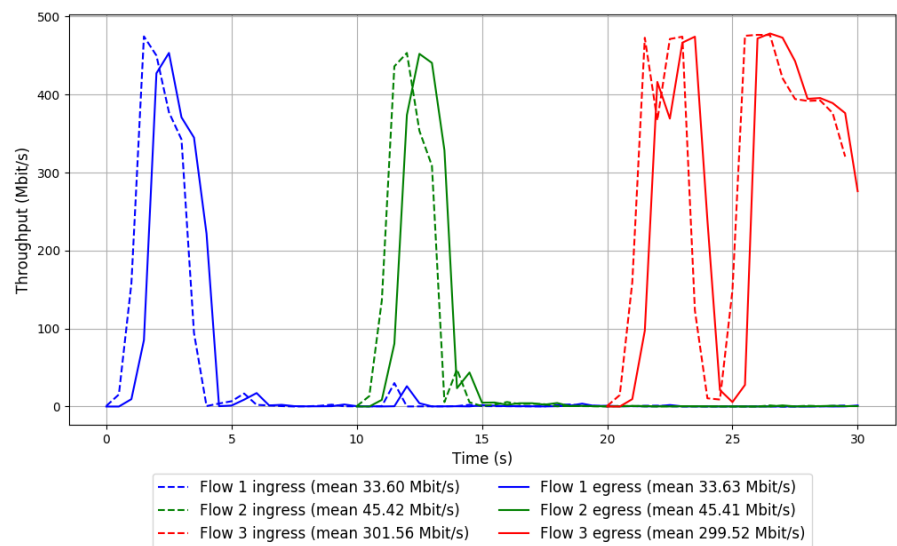


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 09:23:39  
End at: 2018-07-25 09:24:09  
Local clock offset: -0.116 ms  
Remote clock offset: -26.957 ms

# Below is generated by plot.py at 2018-07-25 13:27:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 161.65 Mbit/s  
95th percentile per-packet one-way delay: 137.744 ms  
Loss rate: 1.57%  
-- Flow 1:  
Average throughput: 33.63 Mbit/s  
95th percentile per-packet one-way delay: 137.853 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 45.41 Mbit/s  
95th percentile per-packet one-way delay: 138.105 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 299.52 Mbit/s  
95th percentile per-packet one-way delay: 137.144 ms  
Loss rate: 2.56%

Run 4: Report of FillP-Sheep — Data Link



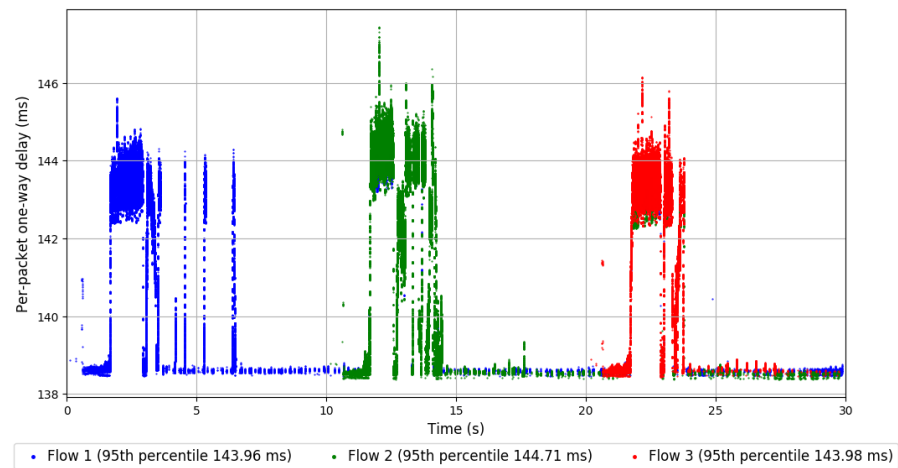
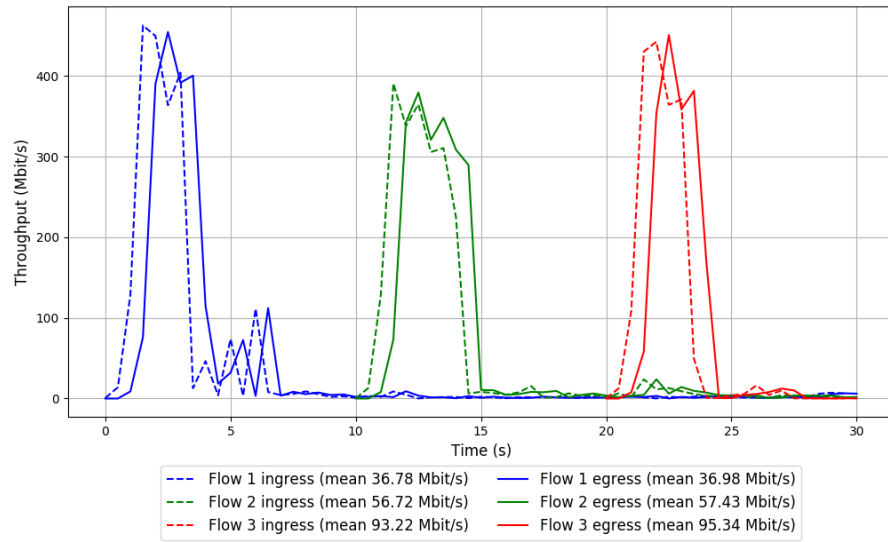
Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 09:59:31  
End at: 2018-07-25 10:00:01  
Local clock offset: 0.95 ms  
Remote clock offset: -34.222 ms

# Below is generated by plot.py at 2018-07-25 13:27:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 105.43 Mbit/s  
95th percentile per-packet one-way delay: 144.416 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 36.98 Mbit/s  
95th percentile per-packet one-way delay: 143.961 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 57.43 Mbit/s  
95th percentile per-packet one-way delay: 144.713 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 95.34 Mbit/s  
95th percentile per-packet one-way delay: 143.978 ms  
Loss rate: 0.00%



# Run 5: Report of FillP-Sheep — Data Link

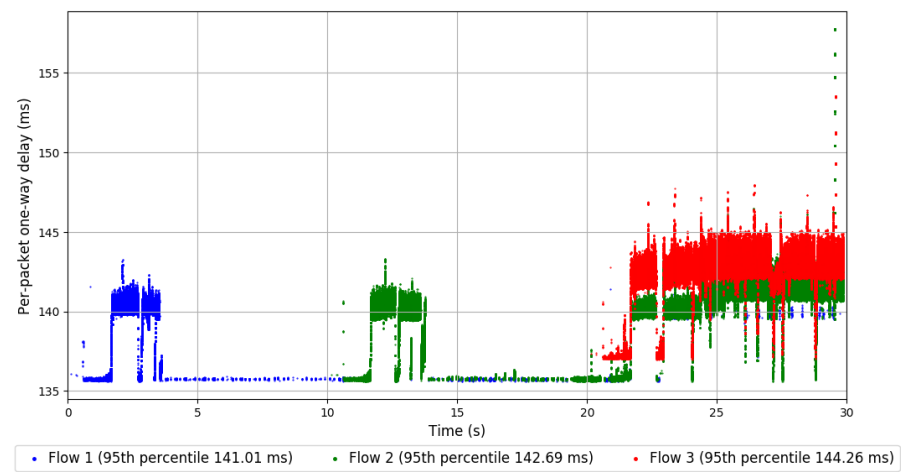
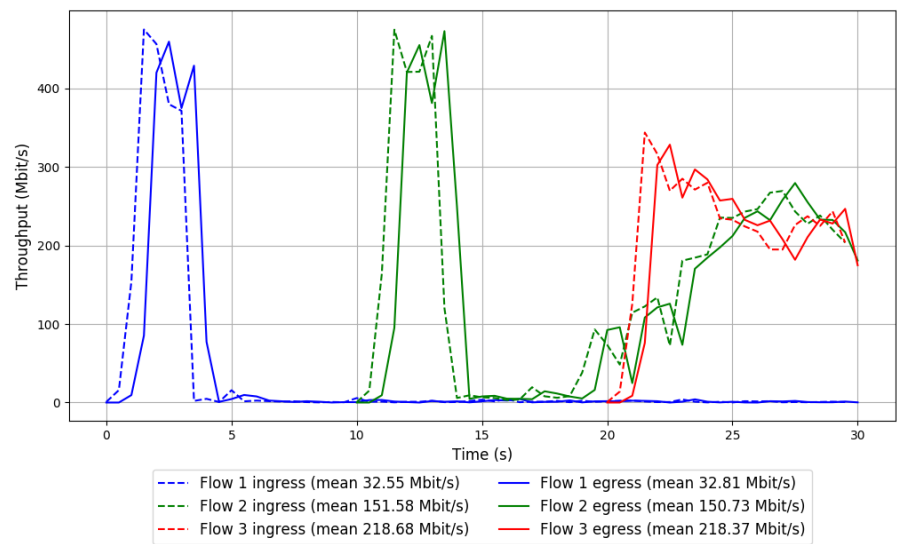


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 10:33:30  
End at: 2018-07-25 10:34:00  
Local clock offset: -1.977 ms  
Remote clock offset: -37.432 ms

# Below is generated by plot.py at 2018-07-25 13:27:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 203.93 Mbit/s  
95th percentile per-packet one-way delay: 143.846 ms  
Loss rate: 1.53%  
-- Flow 1:  
Average throughput: 32.81 Mbit/s  
95th percentile per-packet one-way delay: 141.008 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 150.73 Mbit/s  
95th percentile per-packet one-way delay: 142.693 ms  
Loss rate: 1.55%  
-- Flow 3:  
Average throughput: 218.37 Mbit/s  
95th percentile per-packet one-way delay: 144.263 ms  
Loss rate: 2.16%

Run 6: Report of FillP-Sheep — Data Link

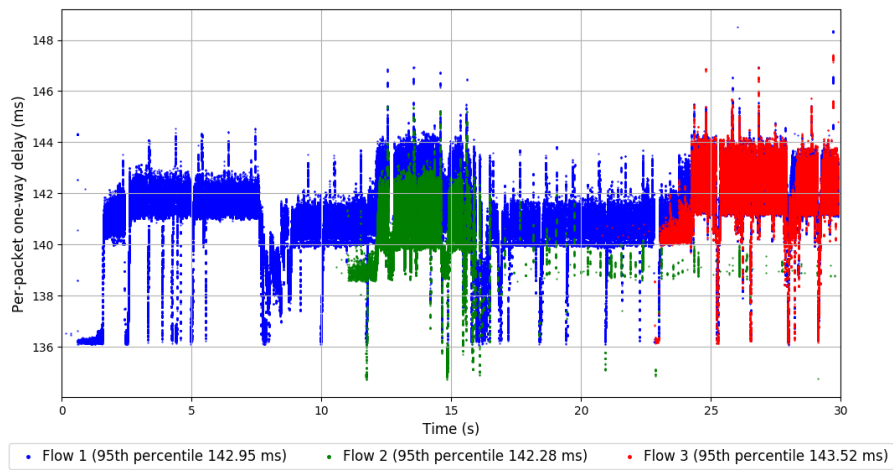
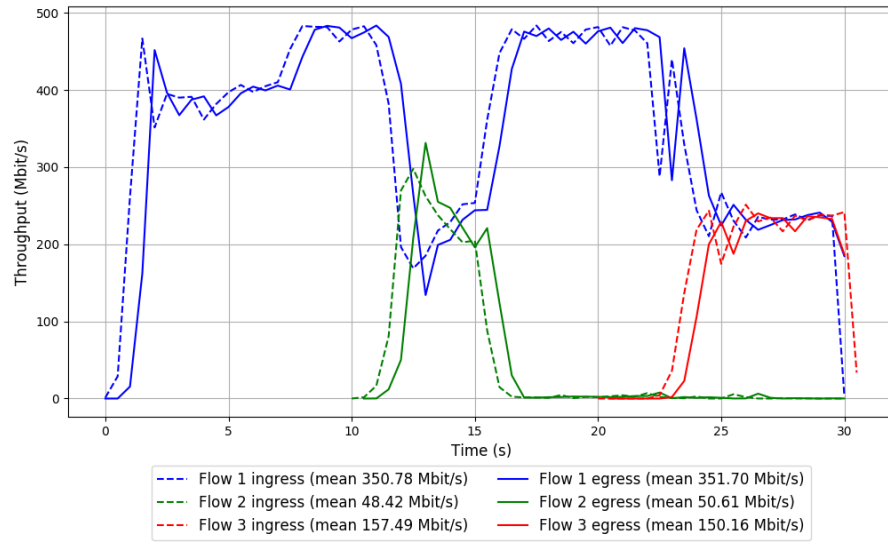


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 10:57:59  
End at: 2018-07-25 10:58:29  
Local clock offset: -0.029 ms  
Remote clock offset: -35.224 ms

# Below is generated by plot.py at 2018-07-25 13:29:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 431.24 Mbit/s  
95th percentile per-packet one-way delay: 143.079 ms  
Loss rate: 1.97%  
-- Flow 1:  
Average throughput: 351.70 Mbit/s  
95th percentile per-packet one-way delay: 142.954 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 50.61 Mbit/s  
95th percentile per-packet one-way delay: 142.281 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 150.16 Mbit/s  
95th percentile per-packet one-way delay: 143.522 ms  
Loss rate: 12.37%

# Run 7: Report of FillP-Sheep — Data Link

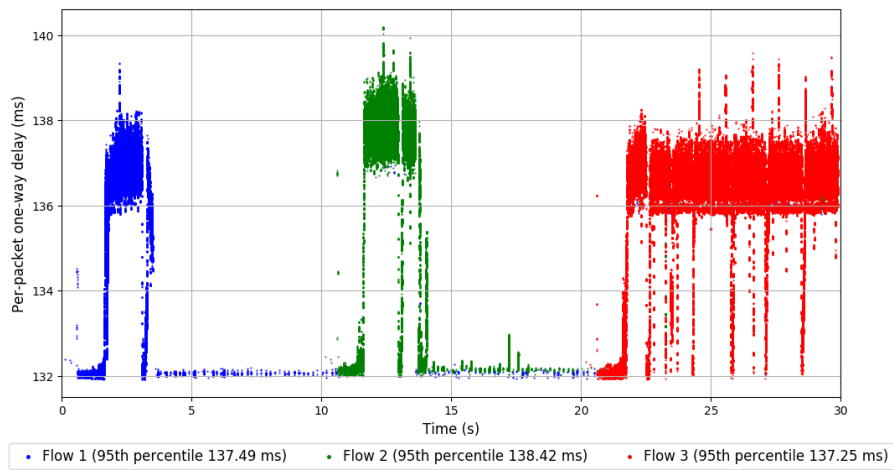
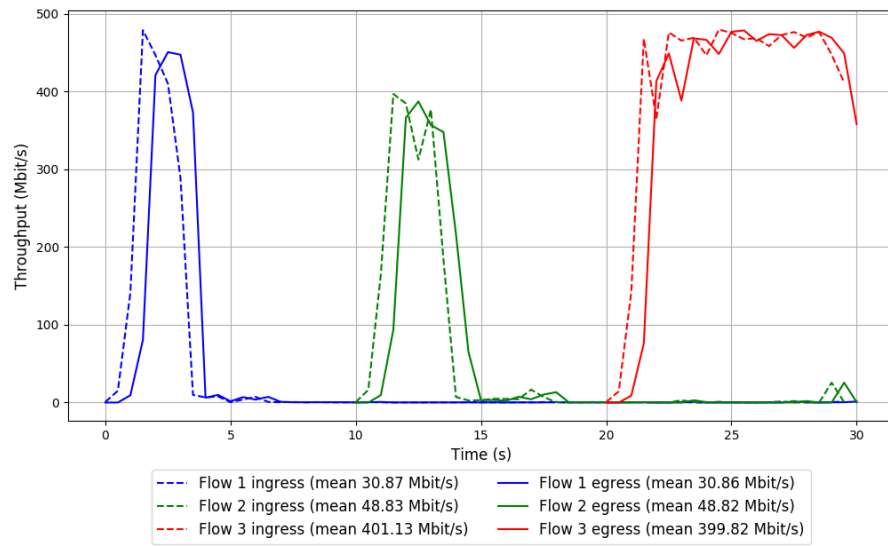


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 11:28:13  
End at: 2018-07-25 11:28:43  
Local clock offset: -1.626 ms  
Remote clock offset: -34.611 ms

# Below is generated by plot.py at 2018-07-25 13:29:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 193.71 Mbit/s  
95th percentile per-packet one-way delay: 137.887 ms  
Loss rate: 1.56%  
-- Flow 1:  
Average throughput: 30.86 Mbit/s  
95th percentile per-packet one-way delay: 137.492 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 48.82 Mbit/s  
95th percentile per-packet one-way delay: 138.424 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 399.82 Mbit/s  
95th percentile per-packet one-way delay: 137.248 ms  
Loss rate: 2.30%

# Run 8: Report of FillP-Sheep — Data Link



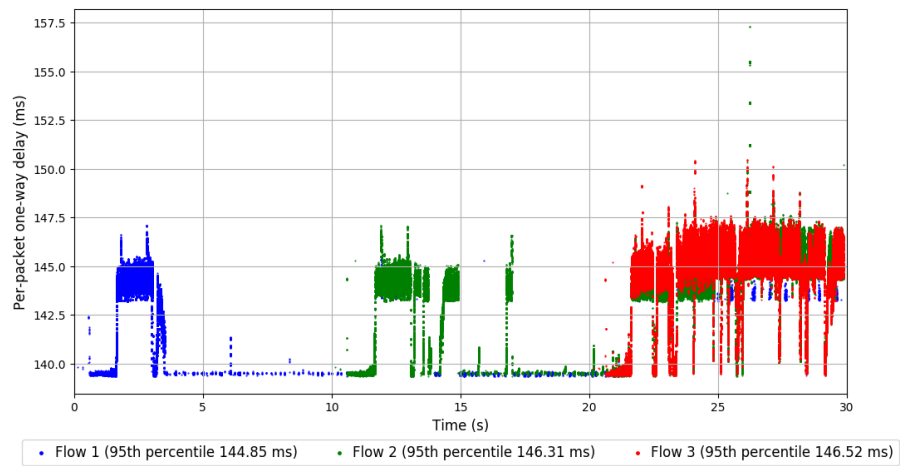
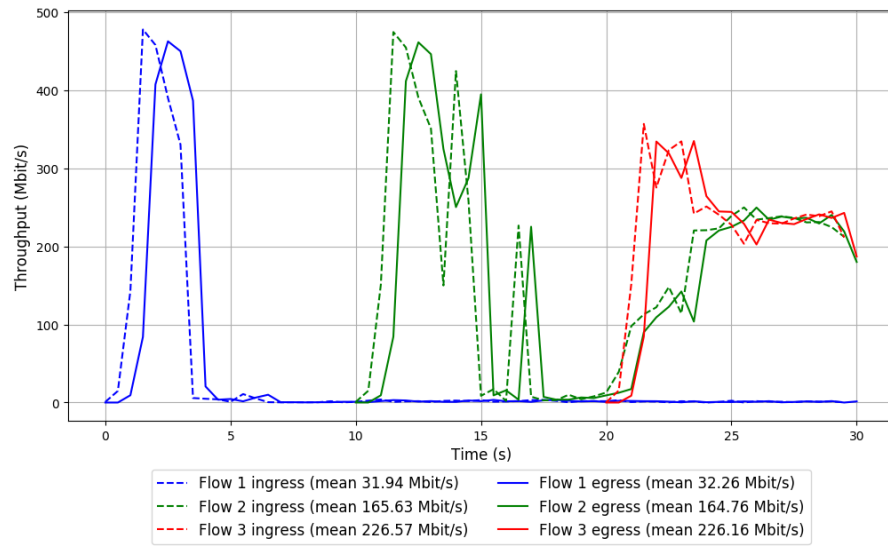
Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 12:09:54  
End at: 2018-07-25 12:10:24  
Local clock offset: 1.65 ms  
Remote clock offset: -38.721 ms

# Below is generated by plot.py at 2018-07-25 13:29:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 215.27 Mbit/s  
95th percentile per-packet one-way delay: 146.357 ms  
Loss rate: 1.51%  
-- Flow 1:  
Average throughput: 32.26 Mbit/s  
95th percentile per-packet one-way delay: 144.846 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 164.76 Mbit/s  
95th percentile per-packet one-way delay: 146.311 ms  
Loss rate: 1.49%  
-- Flow 3:  
Average throughput: 226.16 Mbit/s  
95th percentile per-packet one-way delay: 146.524 ms  
Loss rate: 2.17%



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

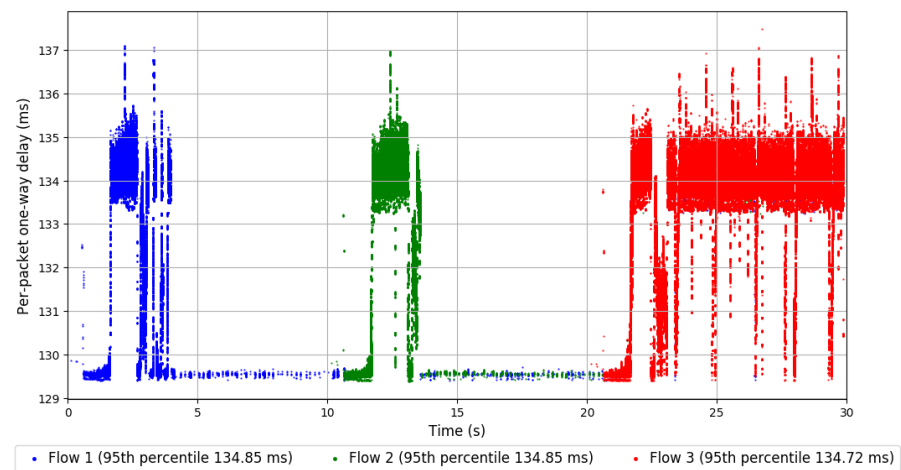
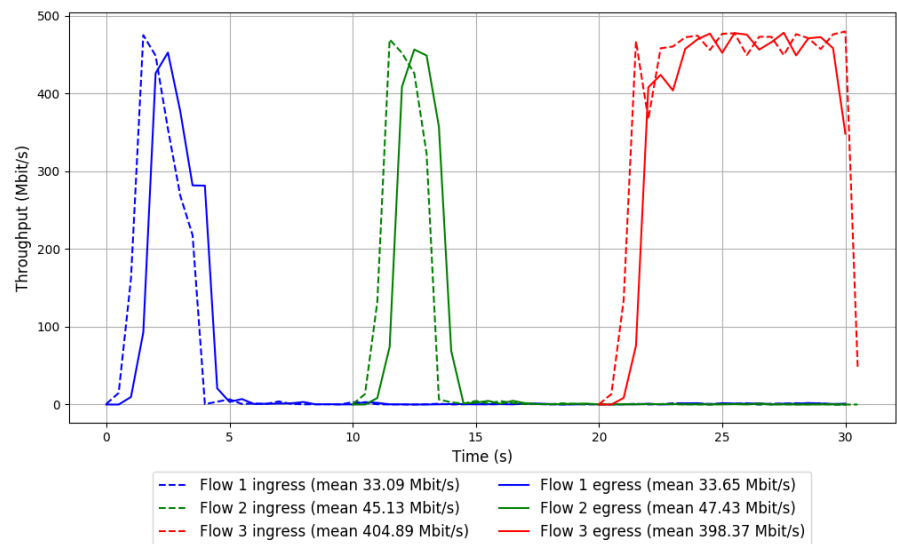


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 12:34:18  
End at: 2018-07-25 12:34:48  
Local clock offset: 0.307 ms  
Remote clock offset: -30.434 ms

# Below is generated by plot.py at 2018-07-25 13:29:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 194.62 Mbit/s  
95th percentile per-packet one-way delay: 134.760 ms  
Loss rate: 6.32%  
-- Flow 1:  
Average throughput: 33.65 Mbit/s  
95th percentile per-packet one-way delay: 134.849 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 47.43 Mbit/s  
95th percentile per-packet one-way delay: 134.852 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 398.37 Mbit/s  
95th percentile per-packet one-way delay: 134.716 ms  
Loss rate: 9.18%

Run 10: Report of FillP-Sheep — Data Link

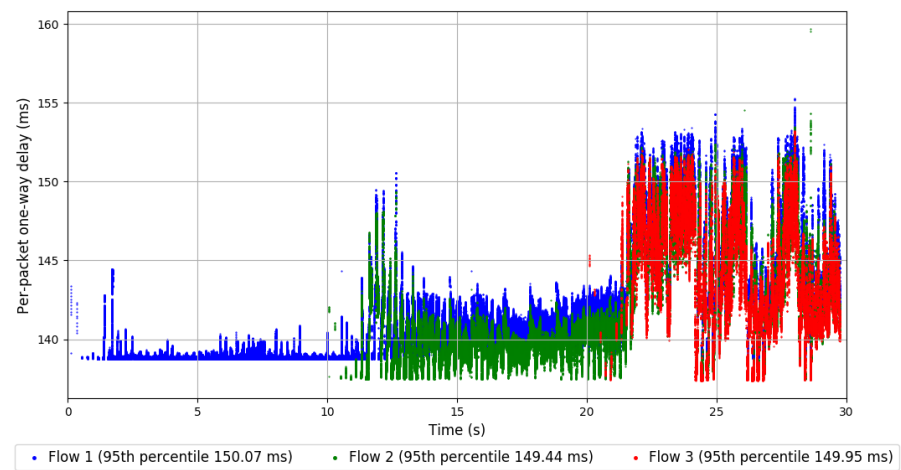
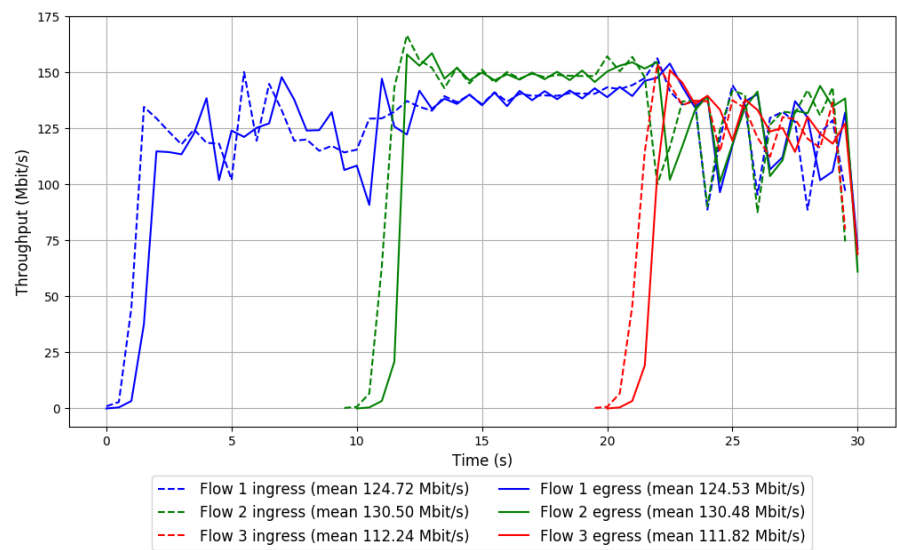


Run 1: Statistics of Indigo

Start at: 2018-07-25 07:57:40  
End at: 2018-07-25 07:58:10  
Local clock offset: -0.401 ms  
Remote clock offset: -34.011 ms

# Below is generated by plot.py at 2018-07-25 13:29:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 247.61 Mbit/s  
95th percentile per-packet one-way delay: 149.771 ms  
Loss rate: 1.14%  
-- Flow 1:  
Average throughput: 124.53 Mbit/s  
95th percentile per-packet one-way delay: 150.066 ms  
Loss rate: 0.85%  
-- Flow 2:  
Average throughput: 130.48 Mbit/s  
95th percentile per-packet one-way delay: 149.435 ms  
Loss rate: 1.01%  
-- Flow 3:  
Average throughput: 111.82 Mbit/s  
95th percentile per-packet one-way delay: 149.951 ms  
Loss rate: 2.43%

Run 1: Report of Indigo — Data Link

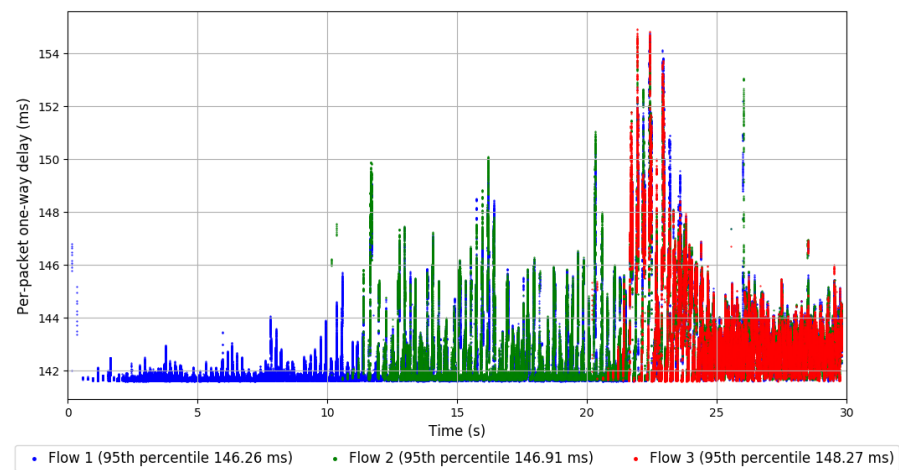
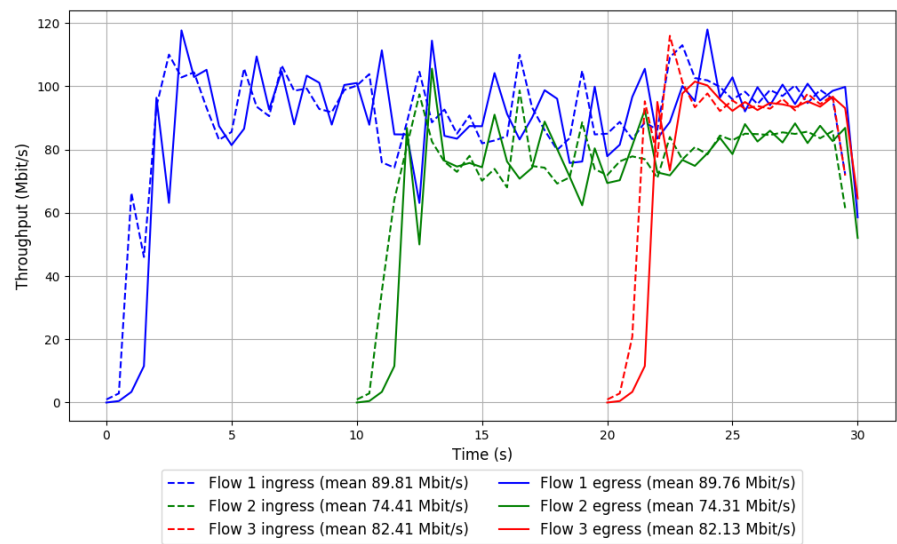


Run 2: Statistics of Indigo

Start at: 2018-07-25 08:27:37  
End at: 2018-07-25 08:28:07  
Local clock offset: 0.097 ms  
Remote clock offset: -34.578 ms

# Below is generated by plot.py at 2018-07-25 13:29:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 165.68 Mbit/s  
95th percentile per-packet one-way delay: 146.870 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 89.76 Mbit/s  
95th percentile per-packet one-way delay: 146.263 ms  
Loss rate: 0.71%  
-- Flow 2:  
Average throughput: 74.31 Mbit/s  
95th percentile per-packet one-way delay: 146.912 ms  
Loss rate: 1.13%  
-- Flow 3:  
Average throughput: 82.13 Mbit/s  
95th percentile per-packet one-way delay: 148.274 ms  
Loss rate: 2.35%

Run 2: Report of Indigo — Data Link



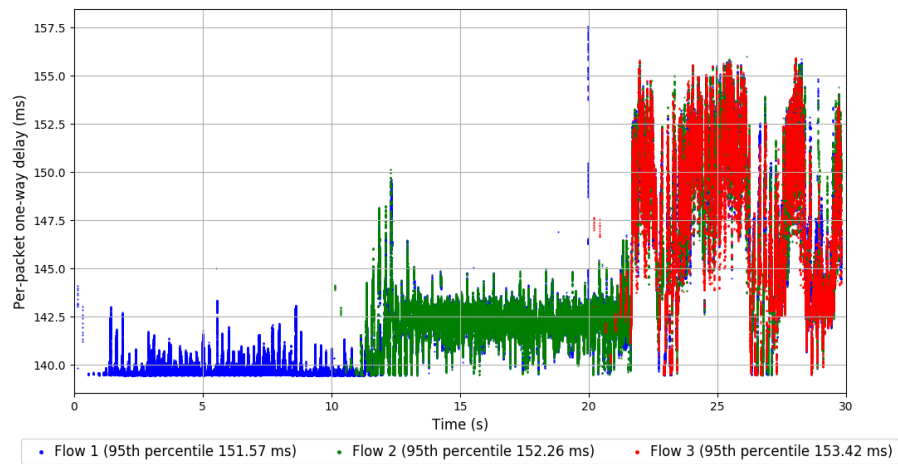
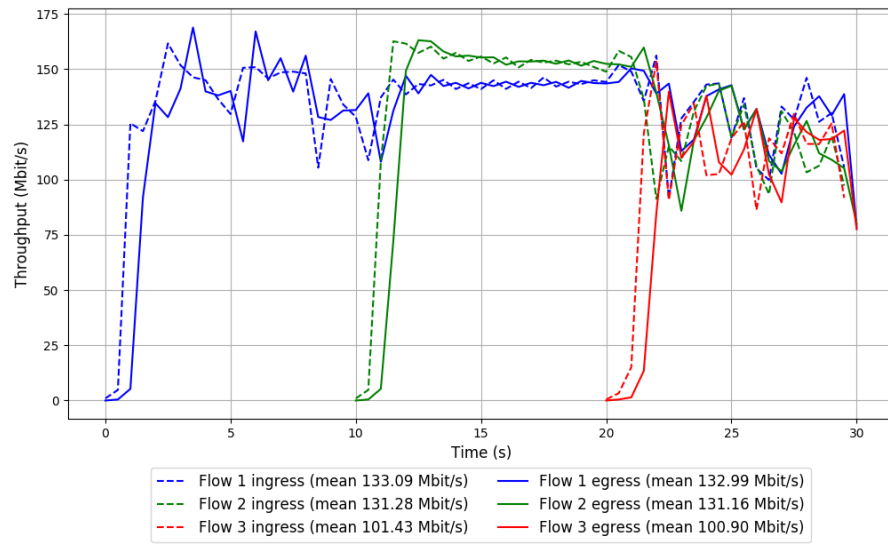
Run 3: Statistics of Indigo

Start at: 2018-07-25 08:57:55  
End at: 2018-07-25 08:58:25  
Local clock offset: 1.056 ms  
Remote clock offset: -32.993 ms

# Below is generated by plot.py at 2018-07-25 13:29:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 252.58 Mbit/s  
95th percentile per-packet one-way delay: 152.223 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 132.99 Mbit/s  
95th percentile per-packet one-way delay: 151.568 ms  
Loss rate: 0.77%  
-- Flow 2:  
Average throughput: 131.16 Mbit/s  
95th percentile per-packet one-way delay: 152.261 ms  
Loss rate: 1.10%  
-- Flow 3:  
Average throughput: 100.90 Mbit/s  
95th percentile per-packet one-way delay: 153.416 ms  
Loss rate: 2.54%



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

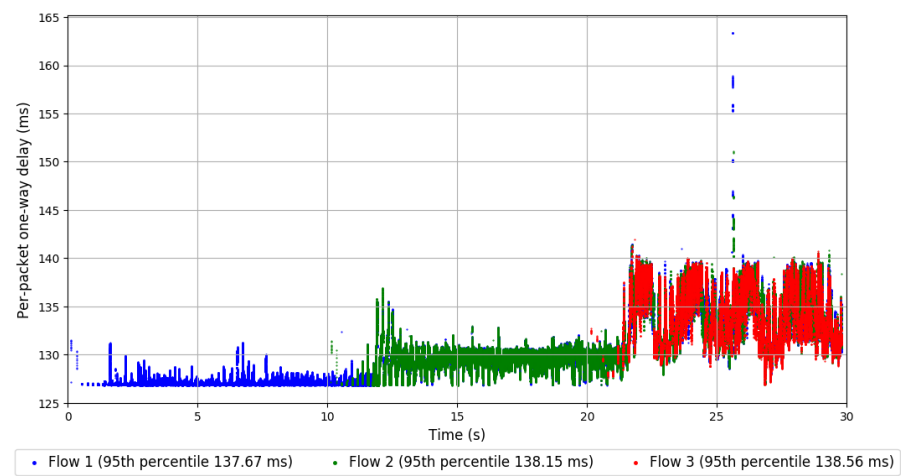
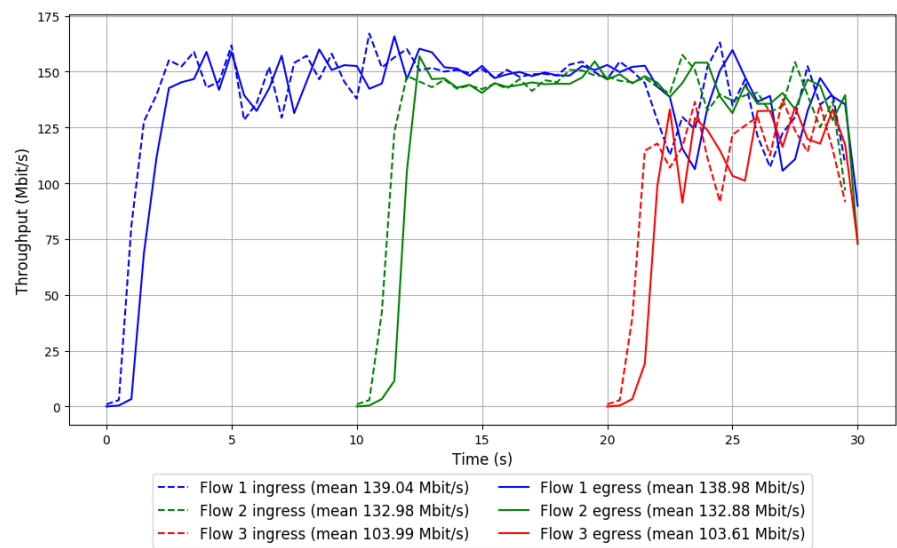


Run 4: Statistics of Indigo

Start at: 2018-07-25 09:33:29  
End at: 2018-07-25 09:33:59  
Local clock offset: -1.05 ms  
Remote clock offset: -24.389 ms

# Below is generated by plot.py at 2018-07-25 13:29:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 260.64 Mbit/s  
95th percentile per-packet one-way delay: 138.118 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 138.98 Mbit/s  
95th percentile per-packet one-way delay: 137.666 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 132.88 Mbit/s  
95th percentile per-packet one-way delay: 138.149 ms  
Loss rate: 1.08%  
-- Flow 3:  
Average throughput: 103.61 Mbit/s  
95th percentile per-packet one-way delay: 138.558 ms  
Loss rate: 2.49%

Run 4: Report of Indigo — Data Link

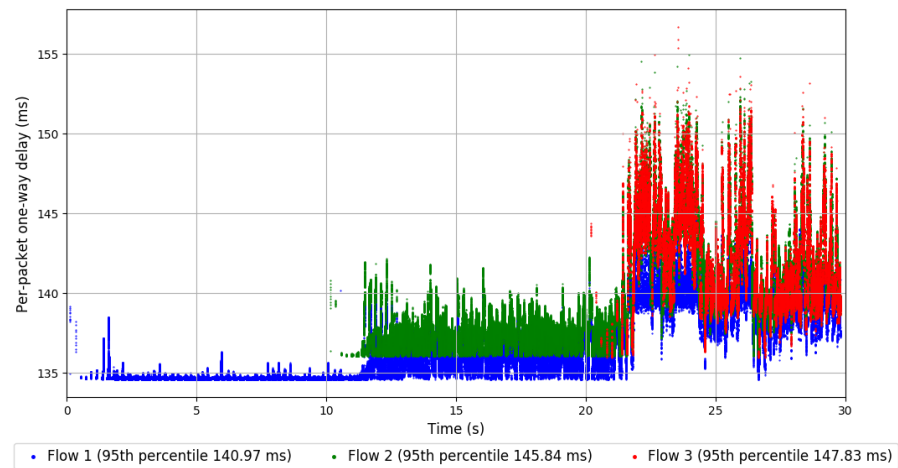
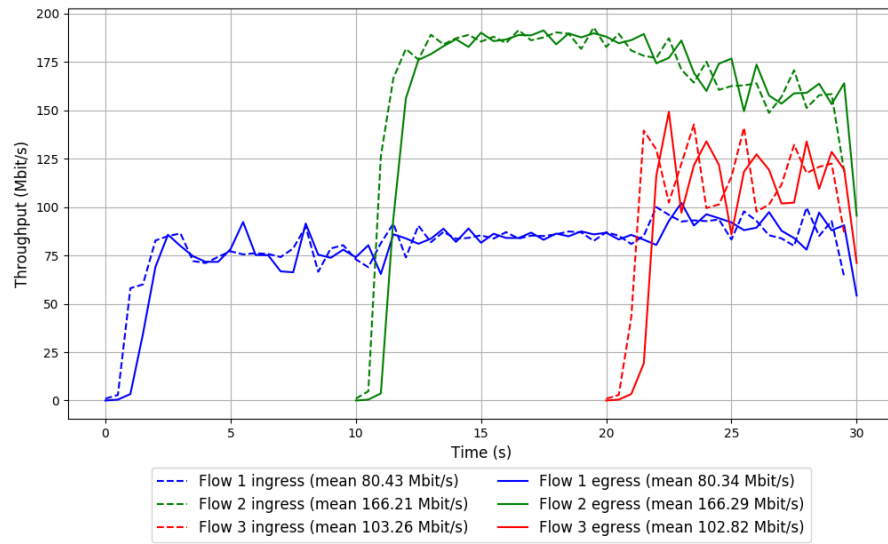


Run 5: Statistics of Indigo

Start at: 2018-07-25 10:09:13  
End at: 2018-07-25 10:09:43  
Local clock offset: -0.157 ms  
Remote clock offset: -33.318 ms

# Below is generated by plot.py at 2018-07-25 13:29:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 223.86 Mbit/s  
95th percentile per-packet one-way delay: 145.757 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 80.34 Mbit/s  
95th percentile per-packet one-way delay: 140.974 ms  
Loss rate: 0.76%  
-- Flow 2:  
Average throughput: 166.29 Mbit/s  
95th percentile per-packet one-way delay: 145.839 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 102.82 Mbit/s  
95th percentile per-packet one-way delay: 147.832 ms  
Loss rate: 2.52%

## Run 5: Report of Indigo — Data Link

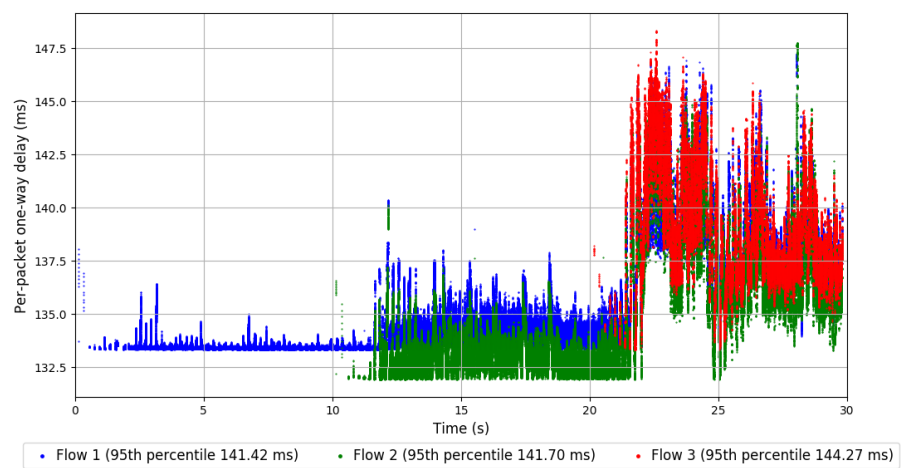
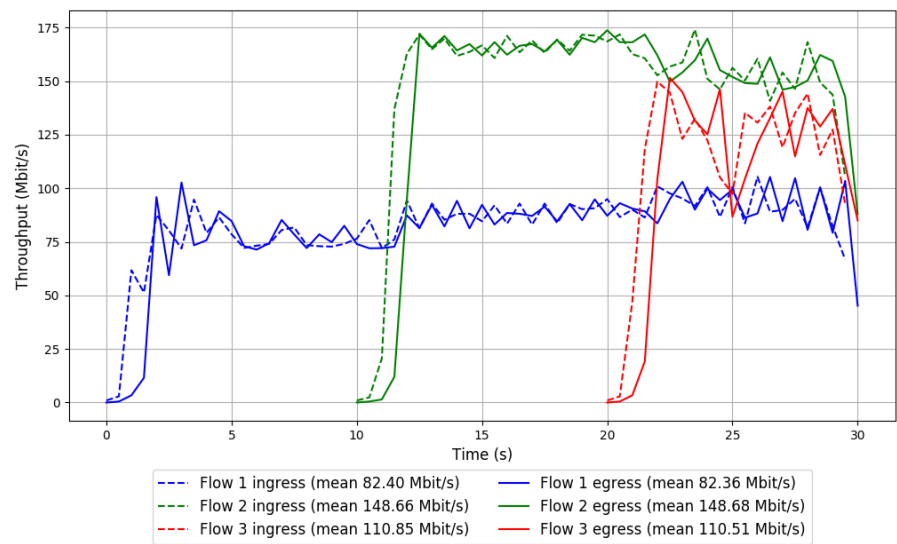


Run 6: Statistics of Indigo

Start at: 2018-07-25 10:43:23  
End at: 2018-07-25 10:43:53  
Local clock offset: 1.513 ms  
Remote clock offset: -30.363 ms

# Below is generated by plot.py at 2018-07-25 13:29:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 216.75 Mbit/s  
95th percentile per-packet one-way delay: 142.452 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 82.36 Mbit/s  
95th percentile per-packet one-way delay: 141.416 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 148.68 Mbit/s  
95th percentile per-packet one-way delay: 141.696 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 110.51 Mbit/s  
95th percentile per-packet one-way delay: 144.271 ms  
Loss rate: 2.32%

Run 6: Report of Indigo — Data Link



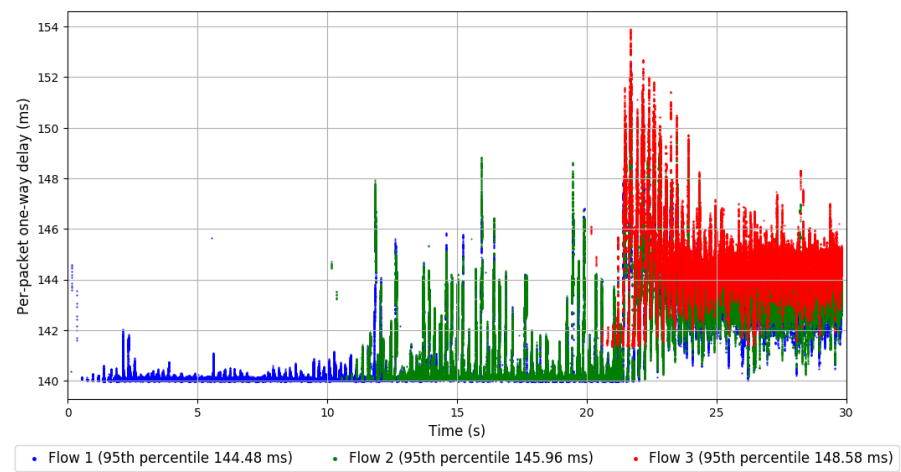
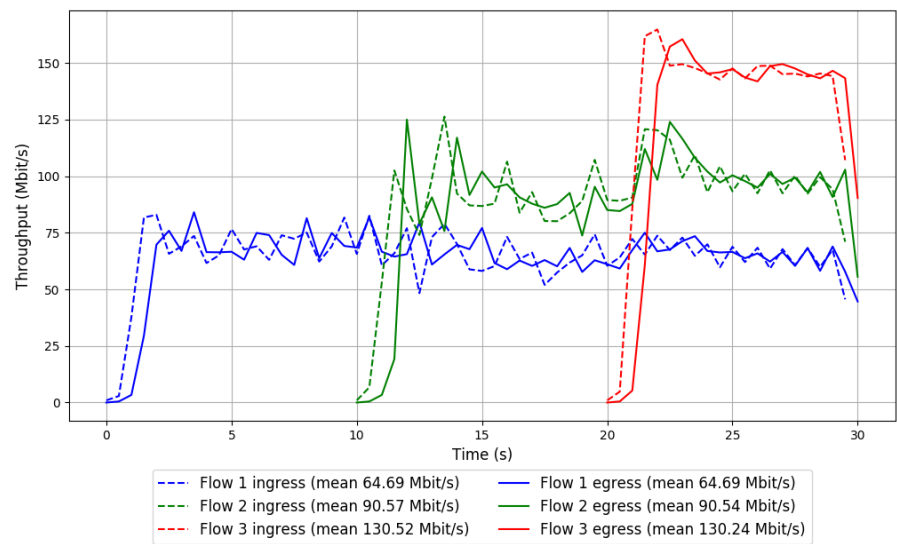
Run 7: Statistics of Indigo

Start at: 2018-07-25 11:08:01  
End at: 2018-07-25 11:08:31  
Local clock offset: -0.194 ms  
Remote clock offset: -40.799 ms

# Below is generated by plot.py at 2018-07-25 13:29:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 167.04 Mbit/s  
95th percentile per-packet one-way delay: 146.417 ms  
Loss rate: 1.21%  
-- Flow 1:  
Average throughput: 64.69 Mbit/s  
95th percentile per-packet one-way delay: 144.480 ms  
Loss rate: 0.65%  
-- Flow 2:  
Average throughput: 90.54 Mbit/s  
95th percentile per-packet one-way delay: 145.961 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 130.24 Mbit/s  
95th percentile per-packet one-way delay: 148.581 ms  
Loss rate: 2.26%



Run 7: Report of Indigo — Data Link

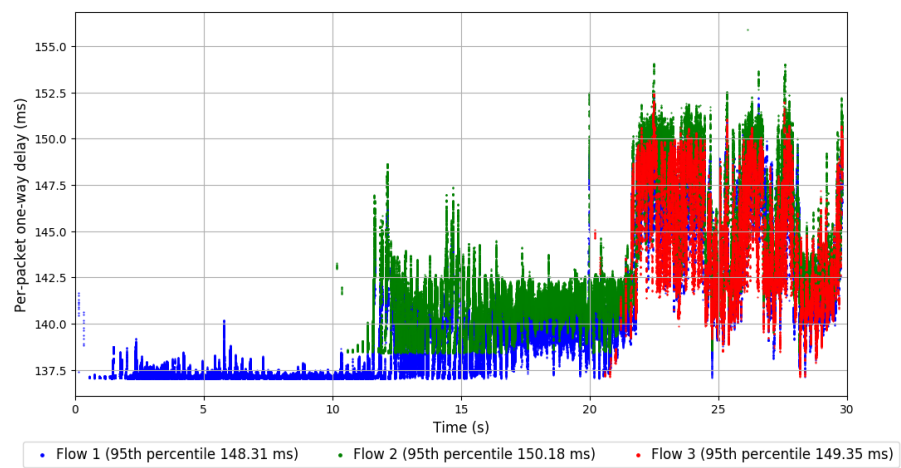
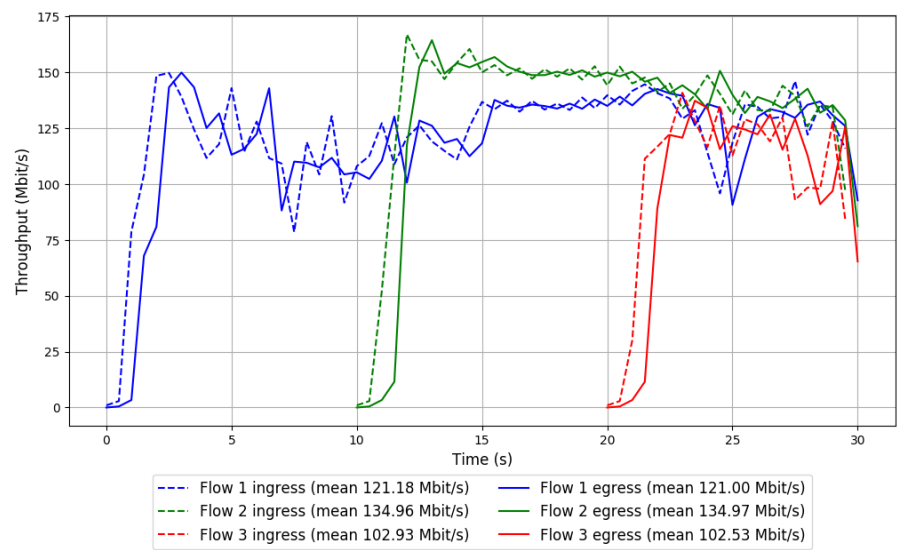


Run 8: Statistics of Indigo

Start at: 2018-07-25 11:38:06  
End at: 2018-07-25 11:38:36  
Local clock offset: 2.061 ms  
Remote clock offset: -35.523 ms

# Below is generated by plot.py at 2018-07-25 13:30:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 243.67 Mbit/s  
95th percentile per-packet one-way delay: 149.319 ms  
Loss rate: 1.16%  
-- Flow 1:  
Average throughput: 121.00 Mbit/s  
95th percentile per-packet one-way delay: 148.311 ms  
Loss rate: 0.87%  
-- Flow 2:  
Average throughput: 134.97 Mbit/s  
95th percentile per-packet one-way delay: 150.182 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 102.53 Mbit/s  
95th percentile per-packet one-way delay: 149.351 ms  
Loss rate: 2.47%

Run 8: Report of Indigo — Data Link

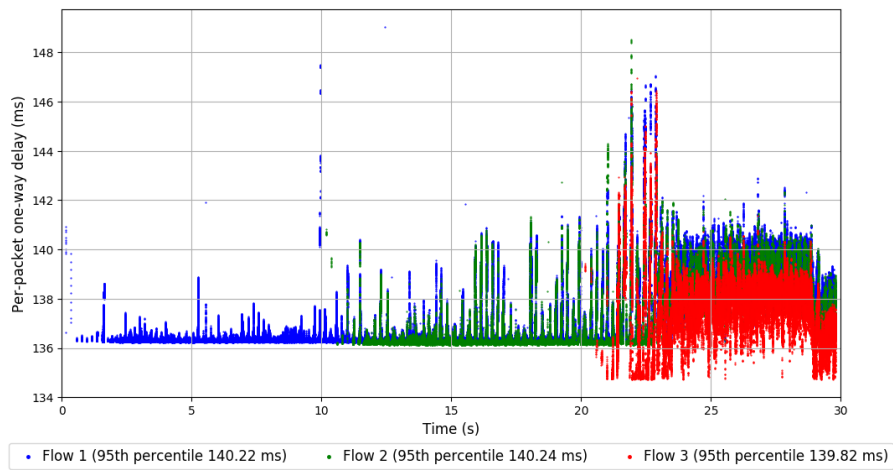
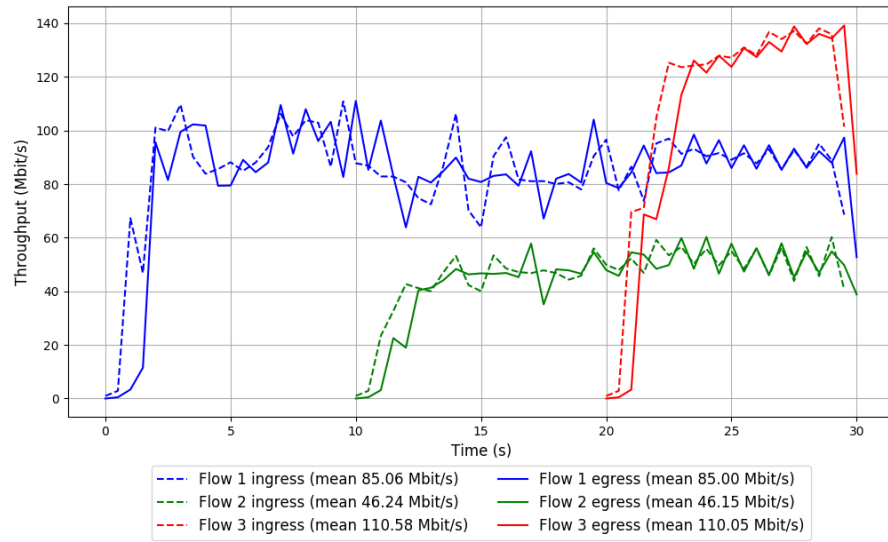


Run 9: Statistics of Indigo

Start at: 2018-07-25 12:19:47  
End at: 2018-07-25 12:20:17  
Local clock offset: 0.347 ms  
Remote clock offset: -35.493 ms

# Below is generated by plot.py at 2018-07-25 13:30:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 151.25 Mbit/s  
95th percentile per-packet one-way delay: 140.190 ms  
Loss rate: 1.24%  
-- Flow 1:  
Average throughput: 85.00 Mbit/s  
95th percentile per-packet one-way delay: 140.219 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 46.15 Mbit/s  
95th percentile per-packet one-way delay: 140.244 ms  
Loss rate: 1.19%  
-- Flow 3:  
Average throughput: 110.05 Mbit/s  
95th percentile per-packet one-way delay: 139.821 ms  
Loss rate: 2.48%

## Run 9: Report of Indigo — Data Link

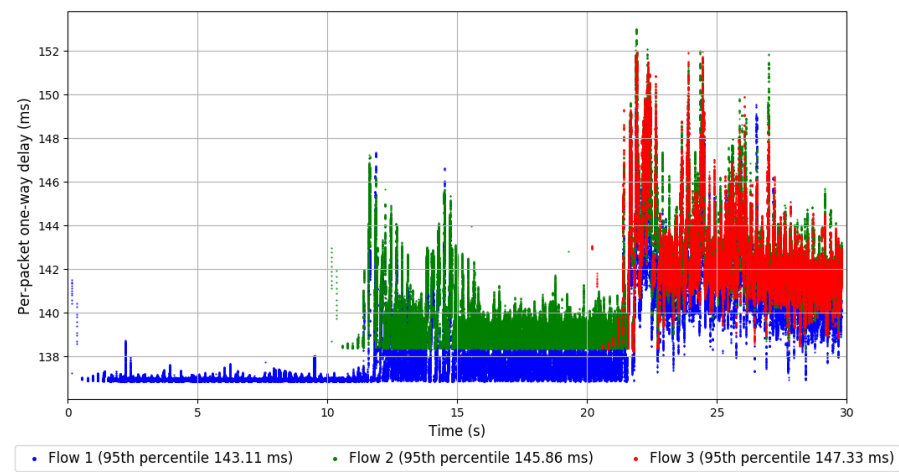
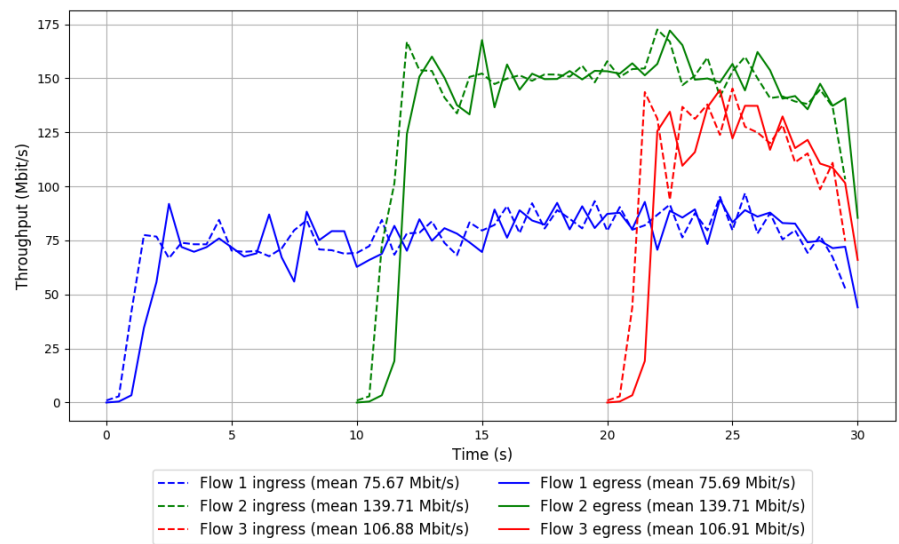


Run 10: Statistics of Indigo

Start at: 2018-07-25 12:55:39  
End at: 2018-07-25 12:56:09  
Local clock offset: 2.976 ms  
Remote clock offset: -35.488 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 203.02 Mbit/s  
95th percentile per-packet one-way delay: 145.633 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 75.69 Mbit/s  
95th percentile per-packet one-way delay: 143.106 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 139.71 Mbit/s  
95th percentile per-packet one-way delay: 145.860 ms  
Loss rate: 1.01%  
-- Flow 3:  
Average throughput: 106.91 Mbit/s  
95th percentile per-packet one-way delay: 147.326 ms  
Loss rate: 1.97%

Run 10: Report of Indigo — Data Link



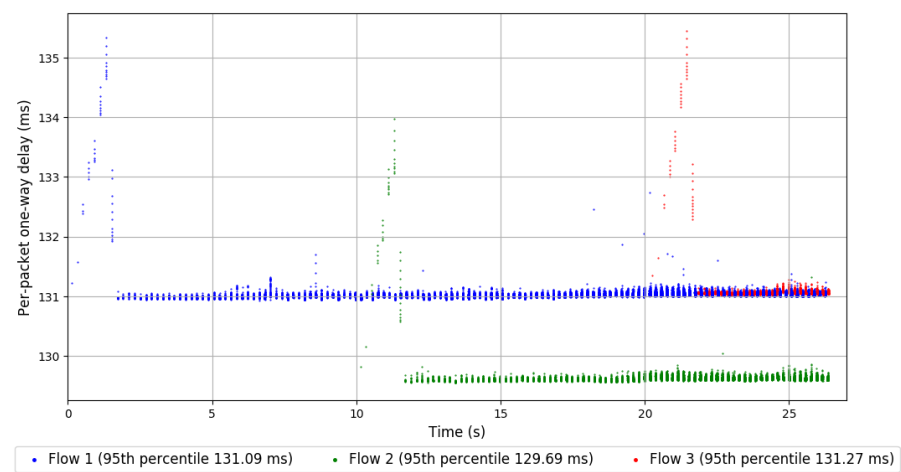
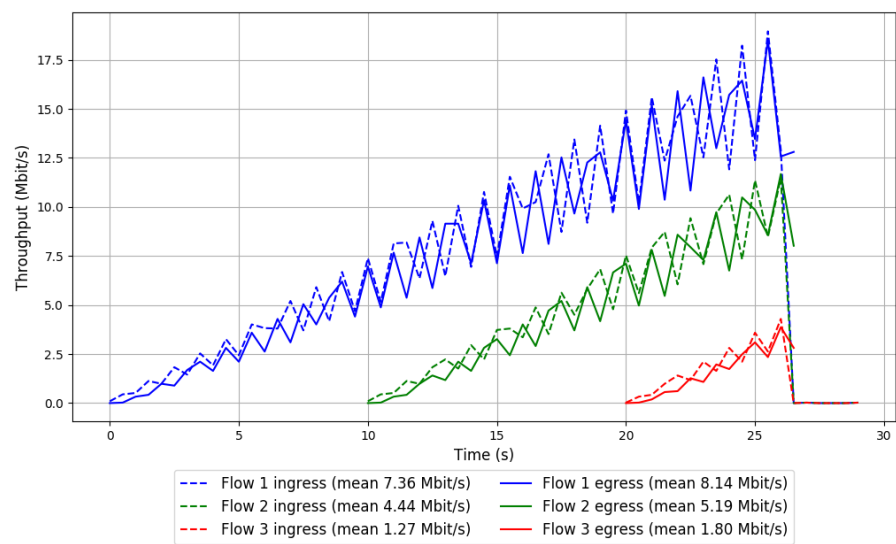
Run 1: Statistics of LEDBAT

Start at: 2018-07-25 07:39:28  
End at: 2018-07-25 07:39:58  
Local clock offset: 0.525 ms  
Remote clock offset: -27.235 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 11.74 Mbit/s  
95th percentile per-packet one-way delay: 131.087 ms  
Loss rate: 1.94%  
-- Flow 1:  
Average throughput: 8.14 Mbit/s  
95th percentile per-packet one-way delay: 131.087 ms  
Loss rate: 1.51%  
-- Flow 2:  
Average throughput: 5.19 Mbit/s  
95th percentile per-packet one-way delay: 129.695 ms  
Loss rate: 2.40%  
-- Flow 3:  
Average throughput: 1.80 Mbit/s  
95th percentile per-packet one-way delay: 131.272 ms  
Loss rate: 6.47%



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

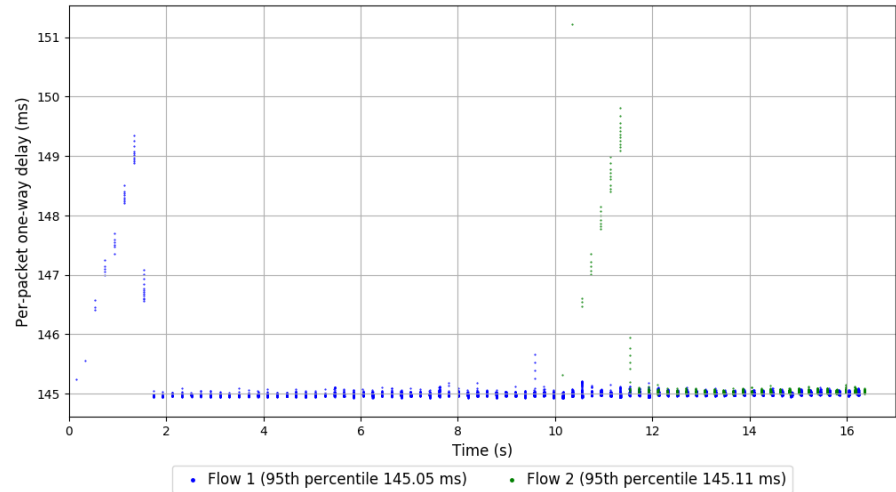
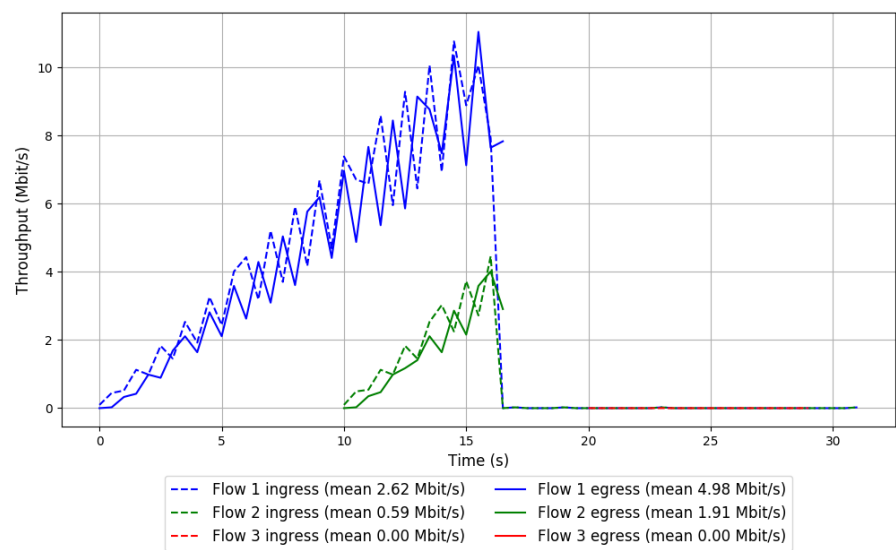
Start at: 2018-07-25 08:09:38

End at: 2018-07-25 08:10:08

Local clock offset: 1.685 ms

Remote clock offset: -36.828 ms

Run 2: Report of LEDBAT — Data Link

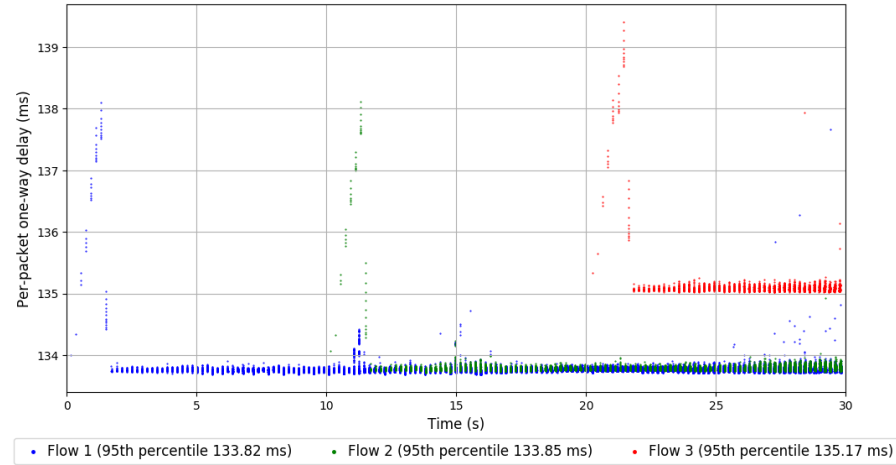
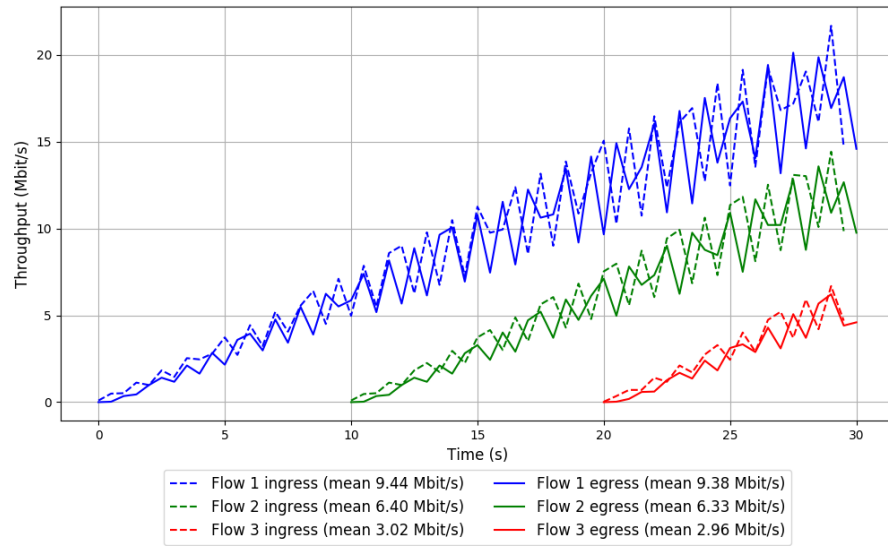


Run 3: Statistics of LEDBAT

Start at: 2018-07-25 08:45:30  
End at: 2018-07-25 08:46:00  
Local clock offset: -0.023 ms  
Remote clock offset: -28.306 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.53 Mbit/s  
95th percentile per-packet one-way delay: 135.059 ms  
Loss rate: 1.67%  
-- Flow 1:  
Average throughput: 9.38 Mbit/s  
95th percentile per-packet one-way delay: 133.822 ms  
Loss rate: 1.30%  
-- Flow 2:  
Average throughput: 6.33 Mbit/s  
95th percentile per-packet one-way delay: 133.847 ms  
Loss rate: 1.95%  
-- Flow 3:  
Average throughput: 2.96 Mbit/s  
95th percentile per-packet one-way delay: 135.171 ms  
Loss rate: 4.04%

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

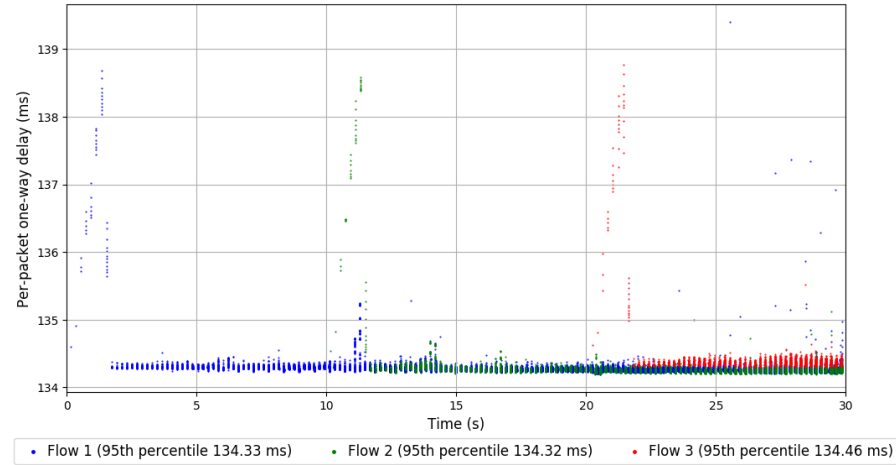
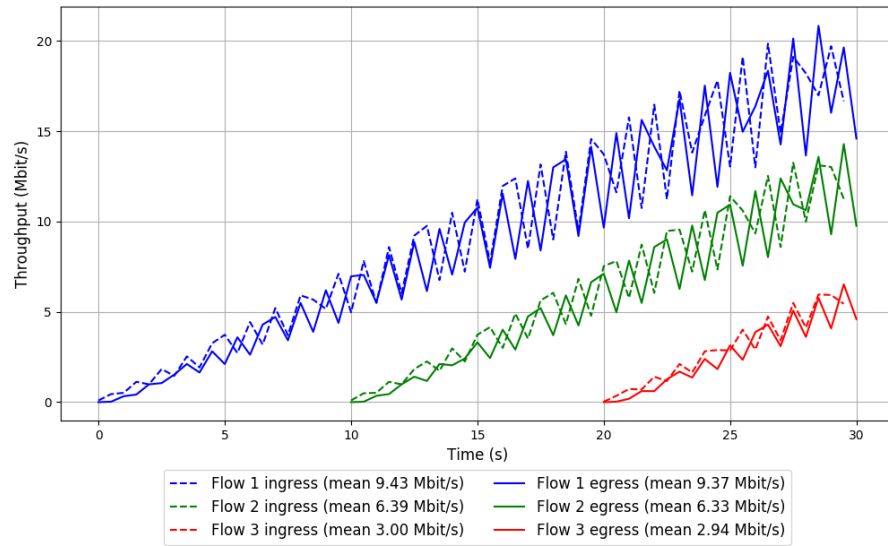


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 09:20:57  
End at: 2018-07-25 09:21:27  
Local clock offset: 0.899 ms  
Remote clock offset: -28.67 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.51 Mbit/s  
95th percentile per-packet one-way delay: 134.365 ms  
Loss rate: 1.67%  
-- Flow 1:  
Average throughput: 9.37 Mbit/s  
95th percentile per-packet one-way delay: 134.334 ms  
Loss rate: 1.31%  
-- Flow 2:  
Average throughput: 6.33 Mbit/s  
95th percentile per-packet one-way delay: 134.325 ms  
Loss rate: 1.95%  
-- Flow 3:  
Average throughput: 2.94 Mbit/s  
95th percentile per-packet one-way delay: 134.457 ms  
Loss rate: 4.03%

# Run 4: Report of LEDBAT — Data Link



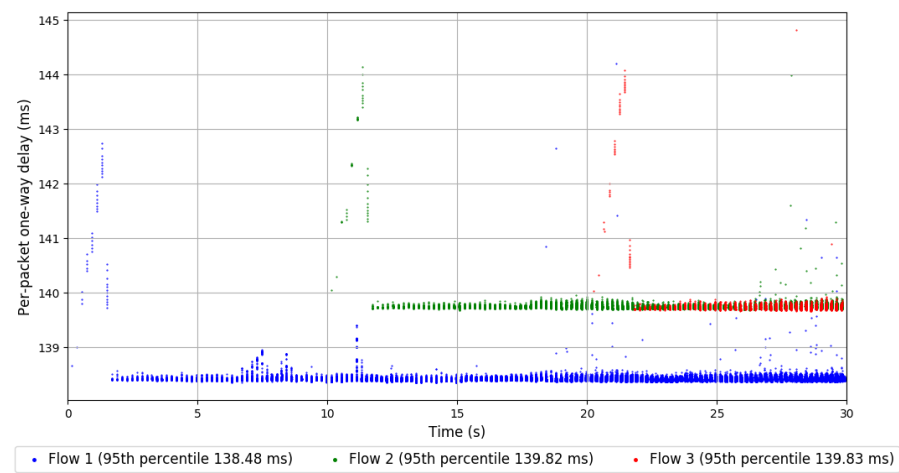
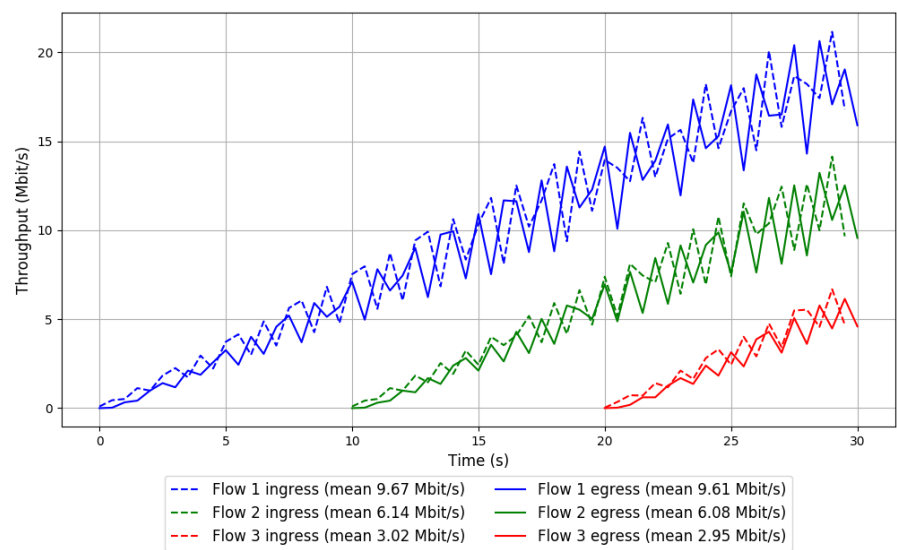
Run 5: Statistics of LEDBAT

Start at: 2018-07-25 09:56:54  
End at: 2018-07-25 09:57:24  
Local clock offset: 1.697 ms  
Remote clock offset: -34.562 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.57 Mbit/s  
95th percentile per-packet one-way delay: 139.782 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.61 Mbit/s  
95th percentile per-packet one-way delay: 138.483 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 6.08 Mbit/s  
95th percentile per-packet one-way delay: 139.816 ms  
Loss rate: 1.99%  
-- Flow 3:  
Average throughput: 2.95 Mbit/s  
95th percentile per-packet one-way delay: 139.829 ms  
Loss rate: 4.03%



Run 5: Report of LEDBAT — Data Link

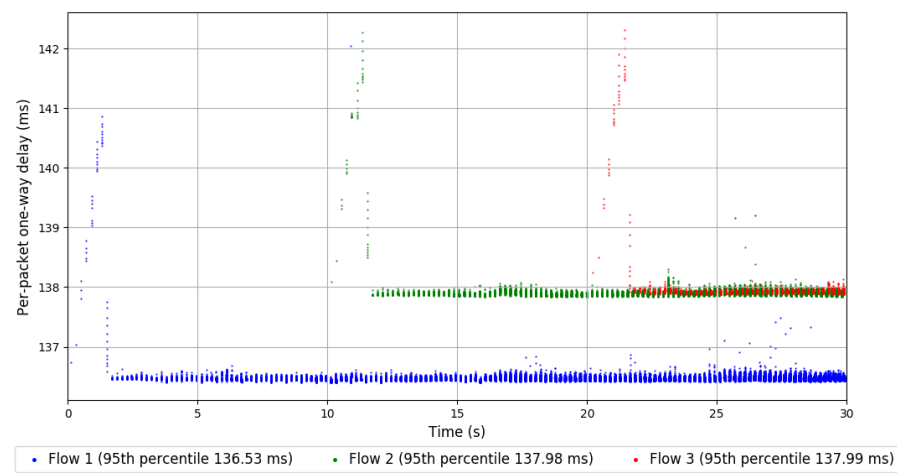
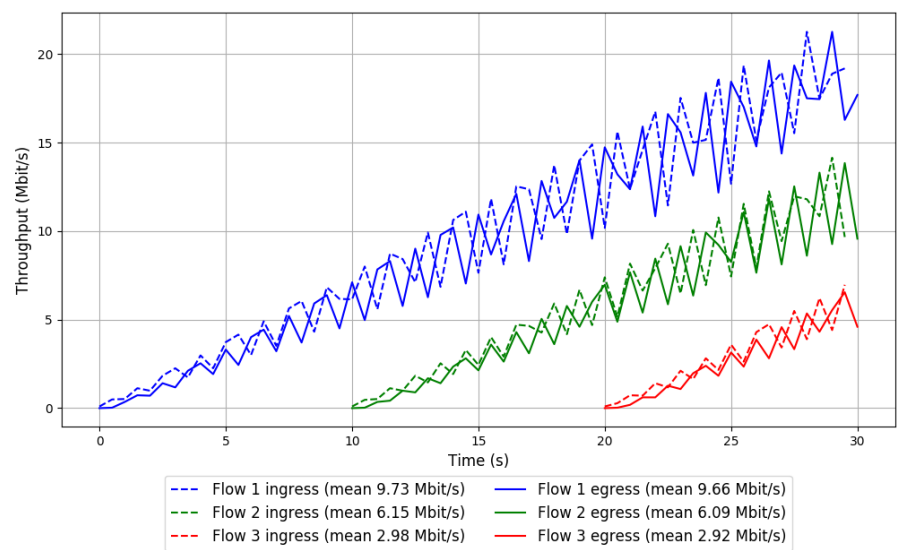


Run 6: Statistics of LEDBAT

Start at: 2018-07-25 10:30:53  
End at: 2018-07-25 10:31:23  
Local clock offset: -0.102 ms  
Remote clock offset: -36.145 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.63 Mbit/s  
95th percentile per-packet one-way delay: 137.944 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.66 Mbit/s  
95th percentile per-packet one-way delay: 136.533 ms  
Loss rate: 1.28%  
-- Flow 2:  
Average throughput: 6.09 Mbit/s  
95th percentile per-packet one-way delay: 137.976 ms  
Loss rate: 1.99%  
-- Flow 3:  
Average throughput: 2.92 Mbit/s  
95th percentile per-packet one-way delay: 137.993 ms  
Loss rate: 4.03%

Run 6: Report of LEDBAT — Data Link

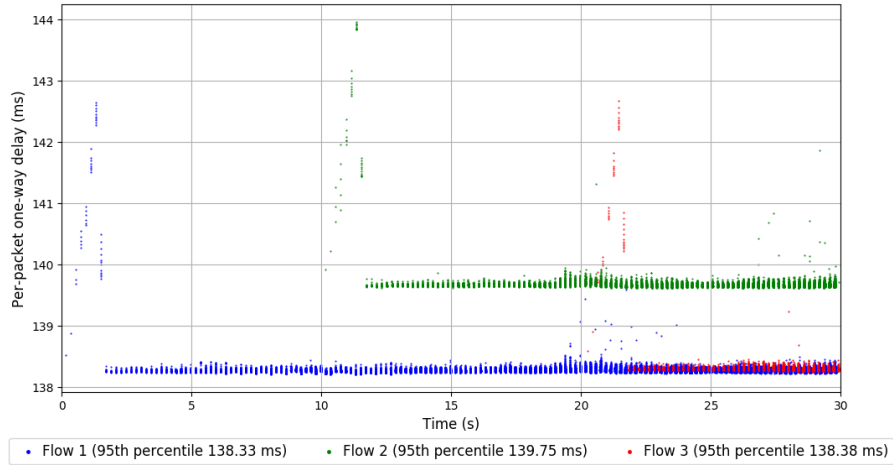
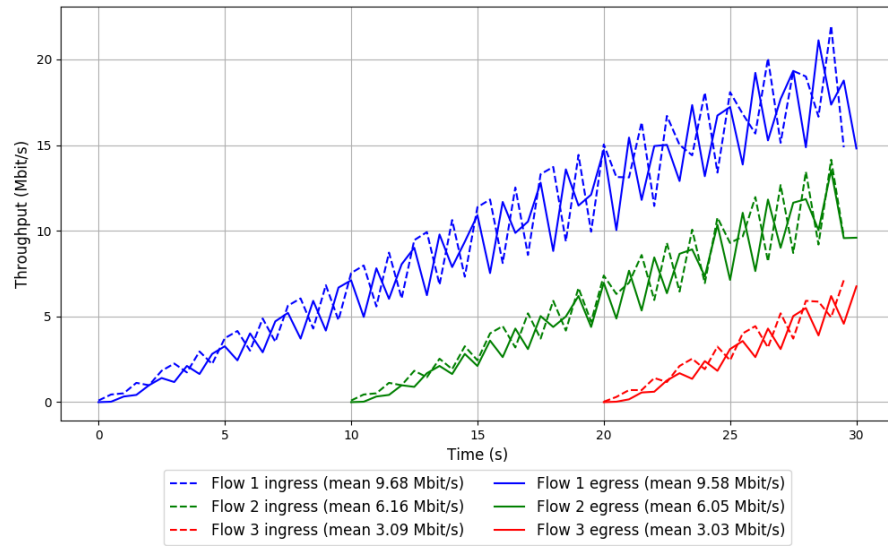


Run 7: Statistics of LEDBAT

Start at: 2018-07-25 10:55:24  
End at: 2018-07-25 10:55:54  
Local clock offset: -0.491 ms  
Remote clock offset: -38.987 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.58 Mbit/s  
95th percentile per-packet one-way delay: 139.704 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.58 Mbit/s  
95th percentile per-packet one-way delay: 138.334 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 6.05 Mbit/s  
95th percentile per-packet one-way delay: 139.748 ms  
Loss rate: 1.98%  
-- Flow 3:  
Average throughput: 3.03 Mbit/s  
95th percentile per-packet one-way delay: 138.382 ms  
Loss rate: 3.97%

# Run 7: Report of LEDBAT — Data Link

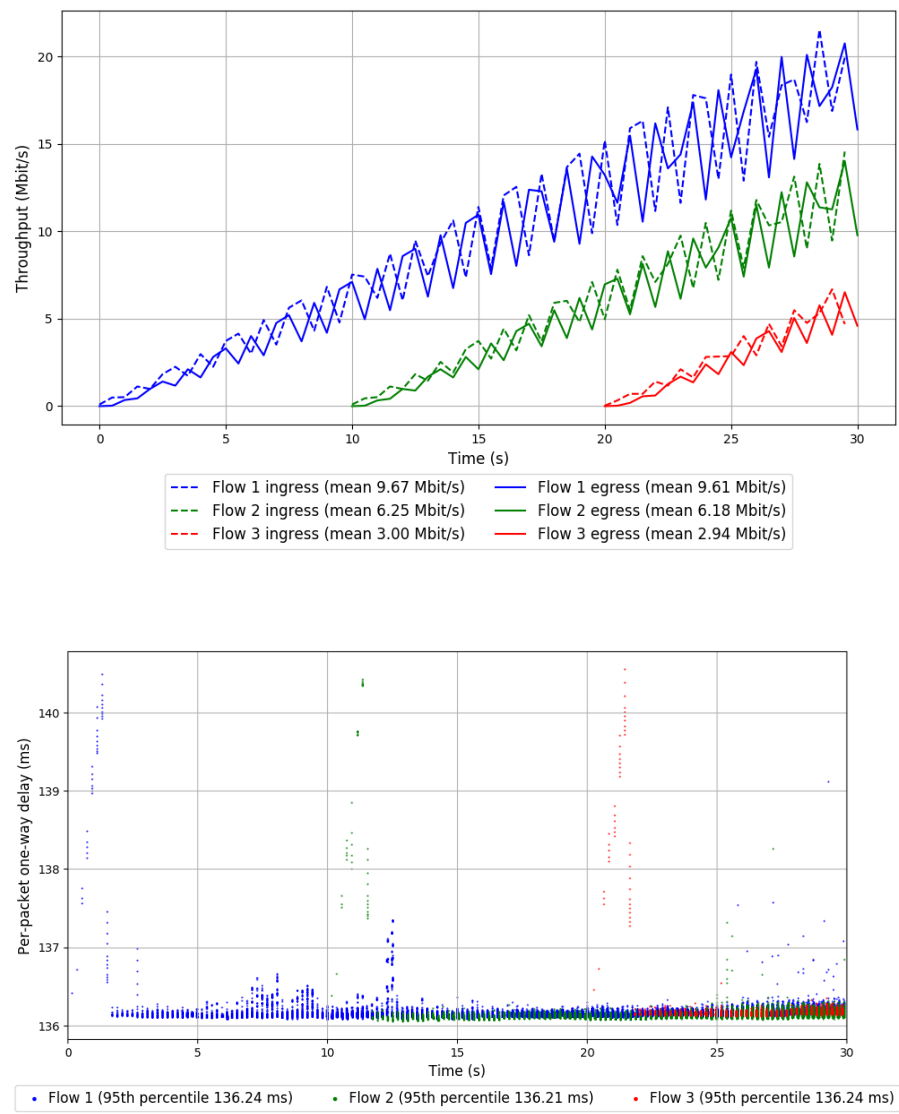


Run 8: Statistics of LEDBAT

Start at: 2018-07-25 11:25:35  
End at: 2018-07-25 11:26:05  
Local clock offset: 0.078 ms  
Remote clock offset: -36.945 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.66 Mbit/s  
95th percentile per-packet one-way delay: 136.232 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.61 Mbit/s  
95th percentile per-packet one-way delay: 136.241 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 6.18 Mbit/s  
95th percentile per-packet one-way delay: 136.209 ms  
Loss rate: 1.97%  
-- Flow 3:  
Average throughput: 2.94 Mbit/s  
95th percentile per-packet one-way delay: 136.235 ms  
Loss rate: 4.04%

Run 8: Report of LEDBAT — Data Link



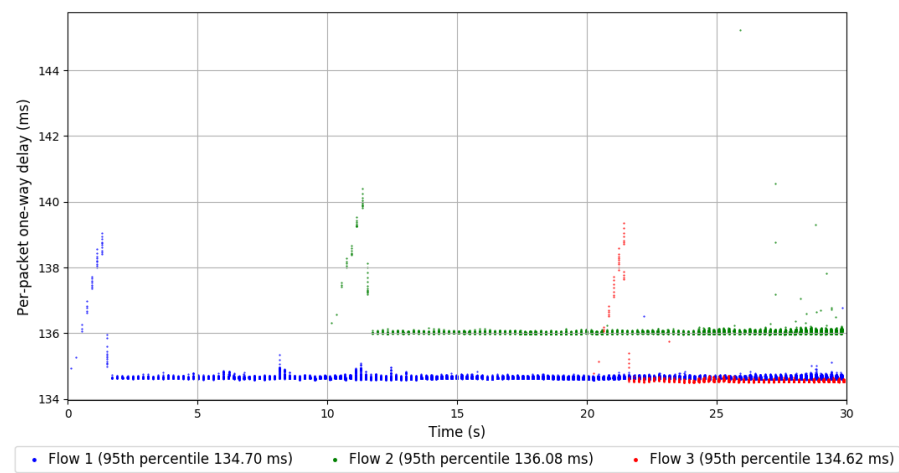
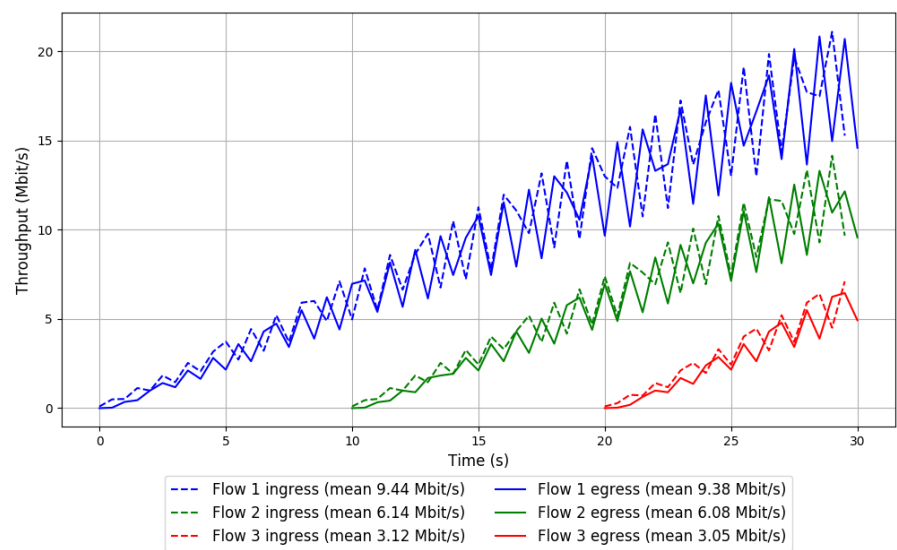
Run 9: Statistics of LEDBAT

Start at: 2018-07-25 12:07:18  
End at: 2018-07-25 12:07:48  
Local clock offset: 2.206 ms  
Remote clock offset: -33.09 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.37 Mbit/s  
95th percentile per-packet one-way delay: 136.047 ms  
Loss rate: 1.68%  
-- Flow 1:  
Average throughput: 9.38 Mbit/s  
95th percentile per-packet one-way delay: 134.698 ms  
Loss rate: 1.31%  
-- Flow 2:  
Average throughput: 6.08 Mbit/s  
95th percentile per-packet one-way delay: 136.084 ms  
Loss rate: 1.99%  
-- Flow 3:  
Average throughput: 3.05 Mbit/s  
95th percentile per-packet one-way delay: 134.625 ms  
Loss rate: 3.94%



Run 9: Report of LEDBAT — Data Link

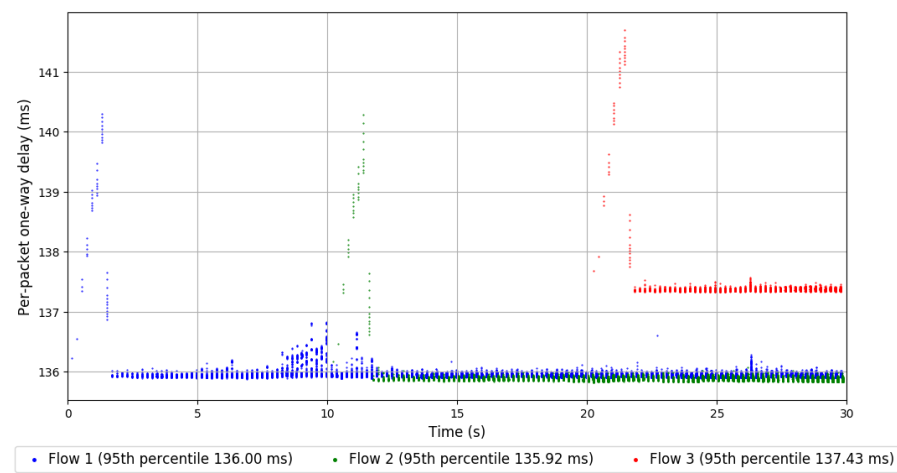
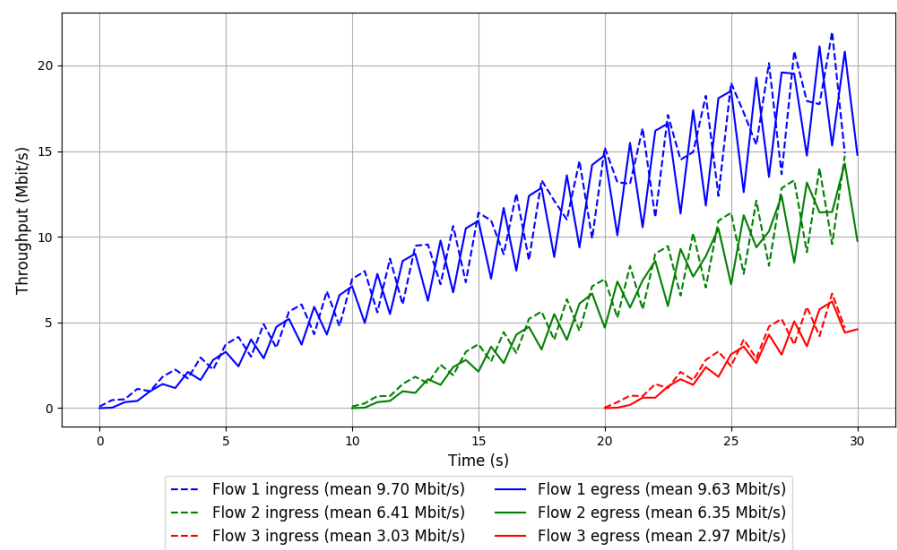


Run 10: Statistics of LEDBAT

Start at: 2018-07-25 12:31:40  
End at: 2018-07-25 12:32:10  
Local clock offset: 2.332 ms  
Remote clock offset: -34.678 ms

# Below is generated by plot.py at 2018-07-25 13:31:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.76 Mbit/s  
95th percentile per-packet one-way delay: 137.354 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 9.63 Mbit/s  
95th percentile per-packet one-way delay: 136.002 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 6.35 Mbit/s  
95th percentile per-packet one-way delay: 135.923 ms  
Loss rate: 1.95%  
-- Flow 3:  
Average throughput: 2.97 Mbit/s  
95th percentile per-packet one-way delay: 137.426 ms  
Loss rate: 4.03%

Run 10: Report of LEDBAT — Data Link

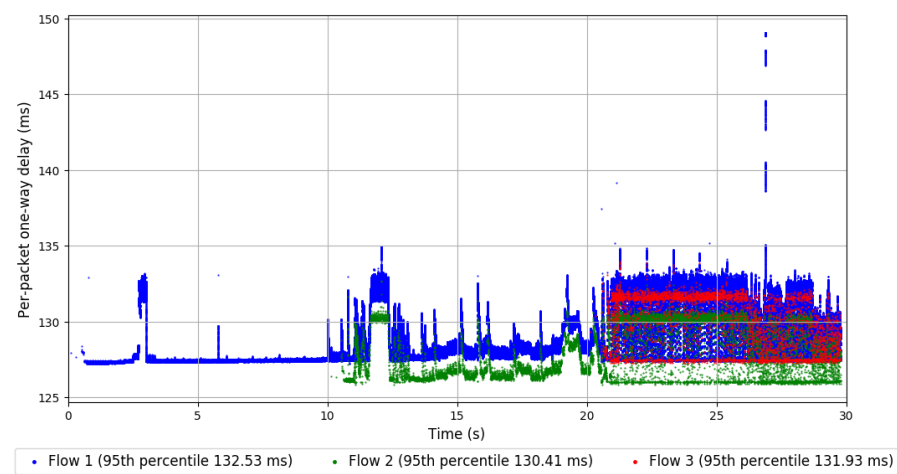
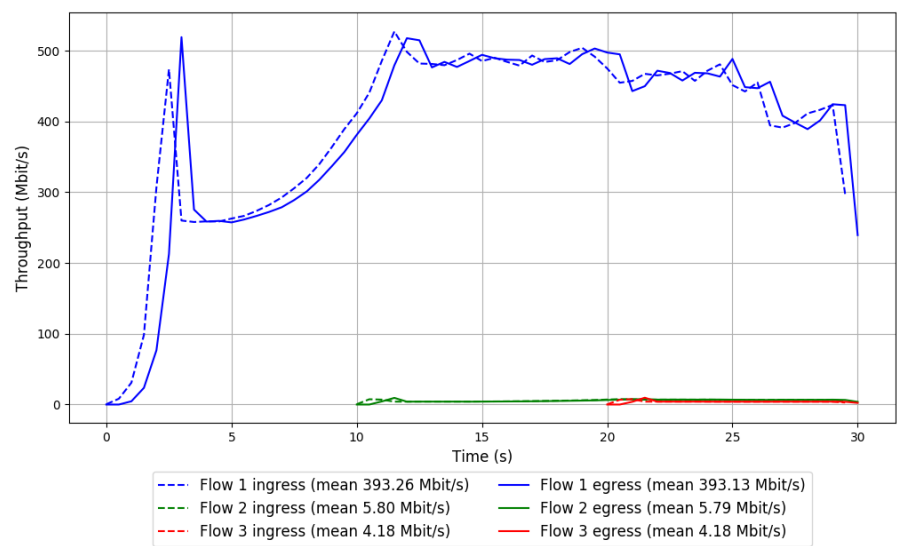


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 07:52:03  
End at: 2018-07-25 07:52:33  
Local clock offset: -1.806 ms  
Remote clock offset: -24.578 ms

# Below is generated by plot.py at 2018-07-25 13:34:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 398.32 Mbit/s  
95th percentile per-packet one-way delay: 132.530 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 393.13 Mbit/s  
95th percentile per-packet one-way delay: 132.533 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 5.79 Mbit/s  
95th percentile per-packet one-way delay: 130.406 ms  
Loss rate: 1.11%  
-- Flow 3:  
Average throughput: 4.18 Mbit/s  
95th percentile per-packet one-way delay: 131.926 ms  
Loss rate: 1.85%

Run 1: Report of PCC-Allegro — Data Link

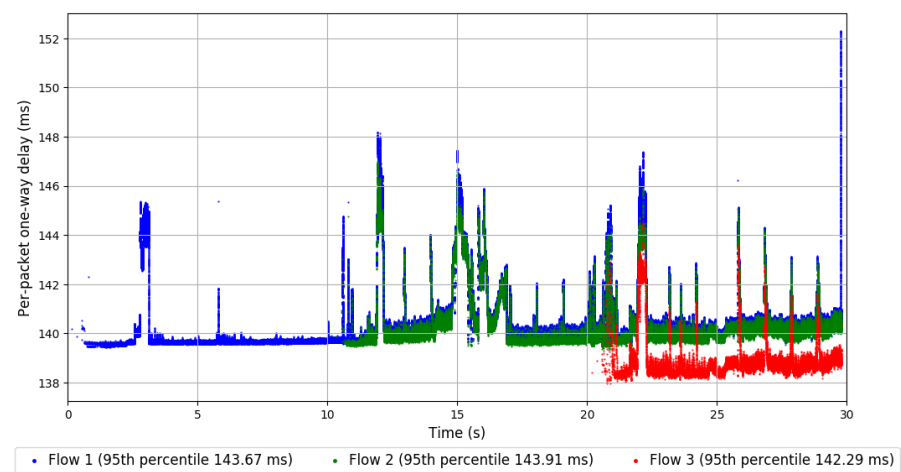
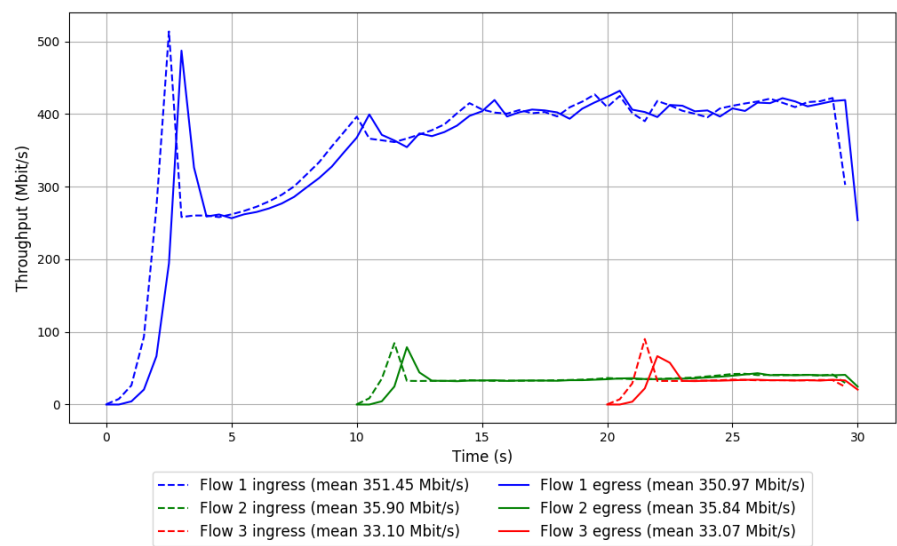


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 08:22:00  
End at: 2018-07-25 08:22:30  
Local clock offset: -2.152 ms  
Remote clock offset: -34.639 ms

# Below is generated by plot.py at 2018-07-25 13:34:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 385.43 Mbit/s  
95th percentile per-packet one-way delay: 143.638 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 350.97 Mbit/s  
95th percentile per-packet one-way delay: 143.671 ms  
Loss rate: 0.80%  
-- Flow 2:  
Average throughput: 35.84 Mbit/s  
95th percentile per-packet one-way delay: 143.914 ms  
Loss rate: 1.17%  
-- Flow 3:  
Average throughput: 33.07 Mbit/s  
95th percentile per-packet one-way delay: 142.288 ms  
Loss rate: 2.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 08:52:20

End at: 2018-07-25 08:52:50

Local clock offset: 0.974 ms

Remote clock offset: -24.681 ms

# Below is generated by plot.py at 2018-07-25 13:34:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 314.66 Mbit/s

95th percentile per-packet one-way delay: 135.196 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 182.39 Mbit/s

95th percentile per-packet one-way delay: 135.060 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 195.49 Mbit/s

95th percentile per-packet one-way delay: 135.580 ms

Loss rate: 1.23%

-- Flow 3:

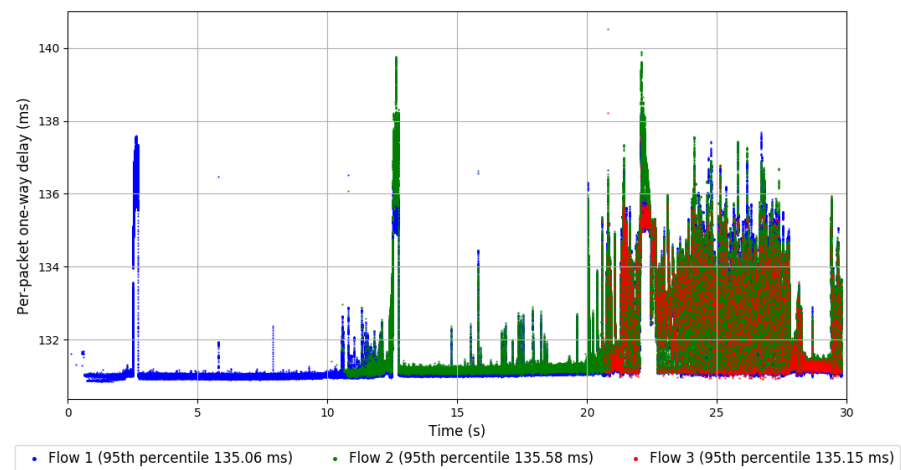
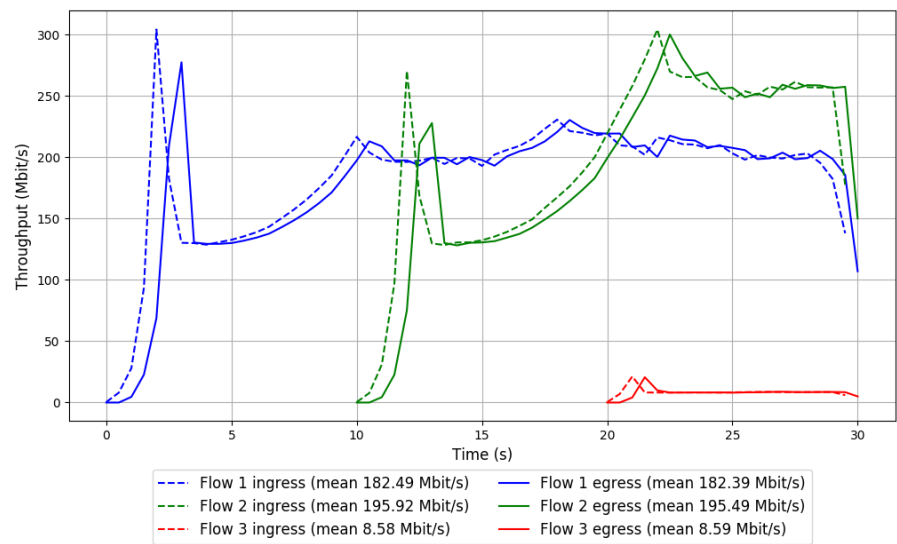
Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 135.147 ms

Loss rate: 1.93%



Run 3: Report of PCC-Allegro — Data Link

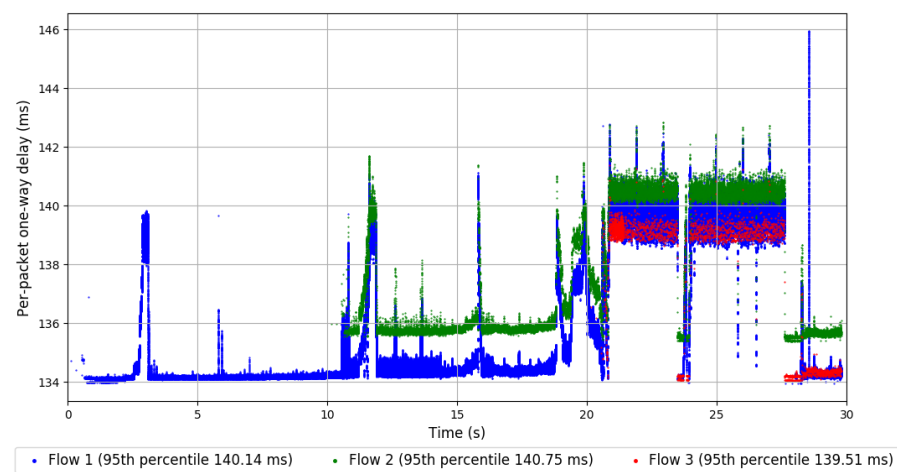
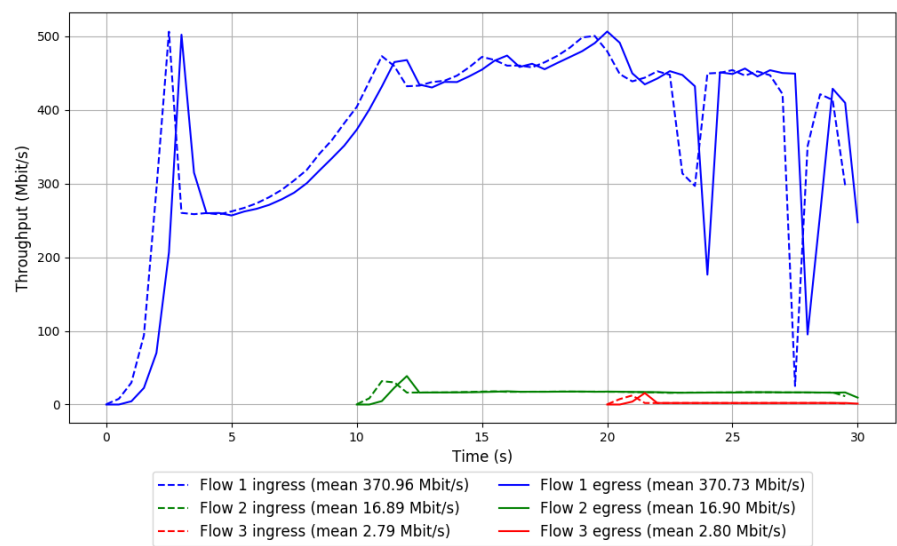


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 09:27:53  
End at: 2018-07-25 09:28:23  
Local clock offset: -0.968 ms  
Remote clock offset: -31.146 ms

# Below is generated by plot.py at 2018-07-25 13:34:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 382.82 Mbit/s  
95th percentile per-packet one-way delay: 140.171 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 370.73 Mbit/s  
95th percentile per-packet one-way delay: 140.137 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 16.90 Mbit/s  
95th percentile per-packet one-way delay: 140.745 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 2.80 Mbit/s  
95th percentile per-packet one-way delay: 139.508 ms  
Loss rate: 1.50%

Run 4: Report of PCC-Allegro — Data Link

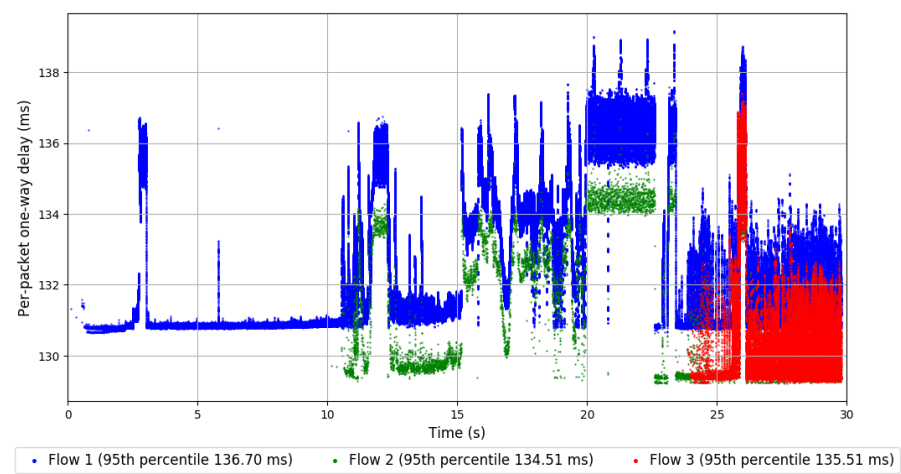
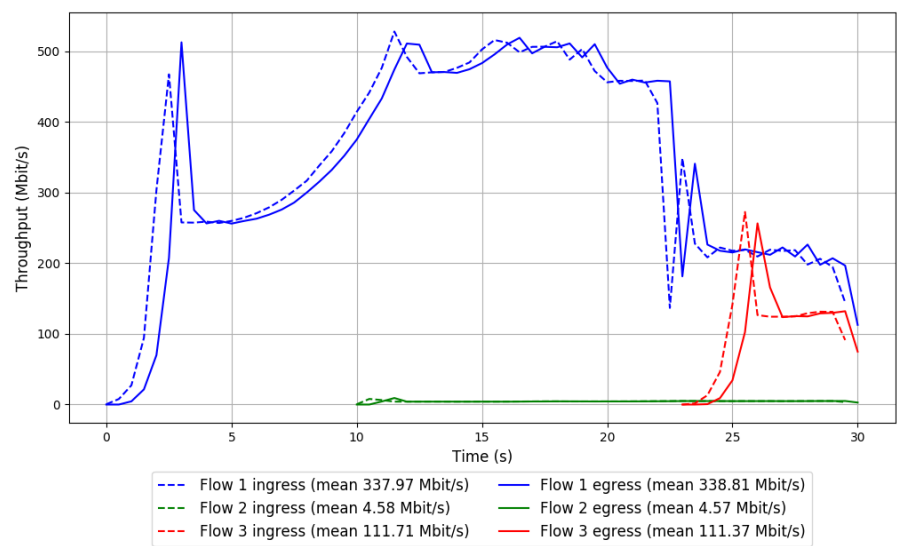


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 10:03:40  
End at: 2018-07-25 10:04:10  
Local clock offset: 0.143 ms  
Remote clock offset: -27.462 ms

# Below is generated by plot.py at 2018-07-25 13:34:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 365.56 Mbit/s  
95th percentile per-packet one-way delay: 136.665 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 338.81 Mbit/s  
95th percentile per-packet one-way delay: 136.696 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 4.57 Mbit/s  
95th percentile per-packet one-way delay: 134.514 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 111.37 Mbit/s  
95th percentile per-packet one-way delay: 135.507 ms  
Loss rate: 3.44%

Run 5: Report of PCC-Allegro — Data Link

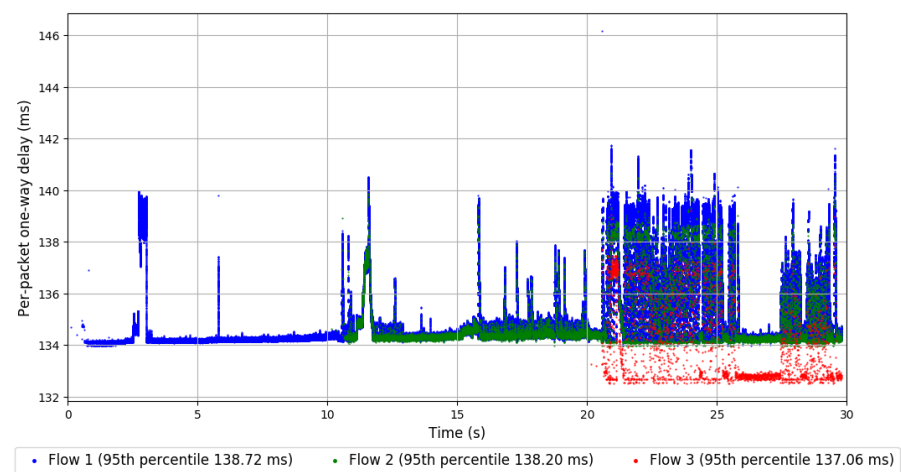
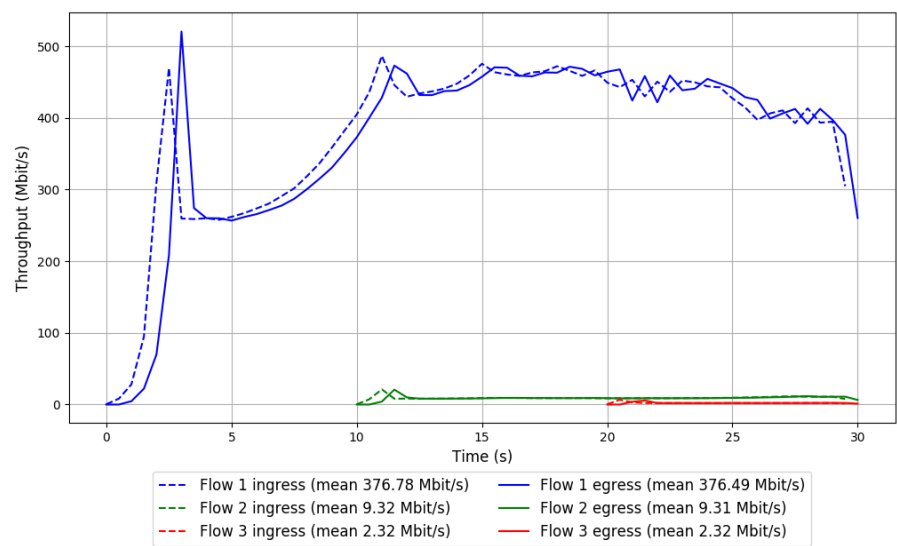


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 10:37:47  
End at: 2018-07-25 10:38:17  
Local clock offset: 0.094 ms  
Remote clock offset: -32.375 ms

# Below is generated by plot.py at 2018-07-25 13:34:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 383.40 Mbit/s  
95th percentile per-packet one-way delay: 138.707 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 376.49 Mbit/s  
95th percentile per-packet one-way delay: 138.722 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 9.31 Mbit/s  
95th percentile per-packet one-way delay: 138.203 ms  
Loss rate: 1.13%  
-- Flow 3:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 137.061 ms  
Loss rate: 1.81%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 11:02:26

End at: 2018-07-25 11:02:56

Local clock offset: -0.222 ms

Remote clock offset: -33.677 ms

# Below is generated by plot.py at 2018-07-25 13:34:37

# Datalink statistics

-- Total of 3 flows:

Average throughput: 359.28 Mbit/s

95th percentile per-packet one-way delay: 137.336 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 312.30 Mbit/s

95th percentile per-packet one-way delay: 137.252 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 66.80 Mbit/s

95th percentile per-packet one-way delay: 137.626 ms

Loss rate: 1.08%

-- Flow 3:

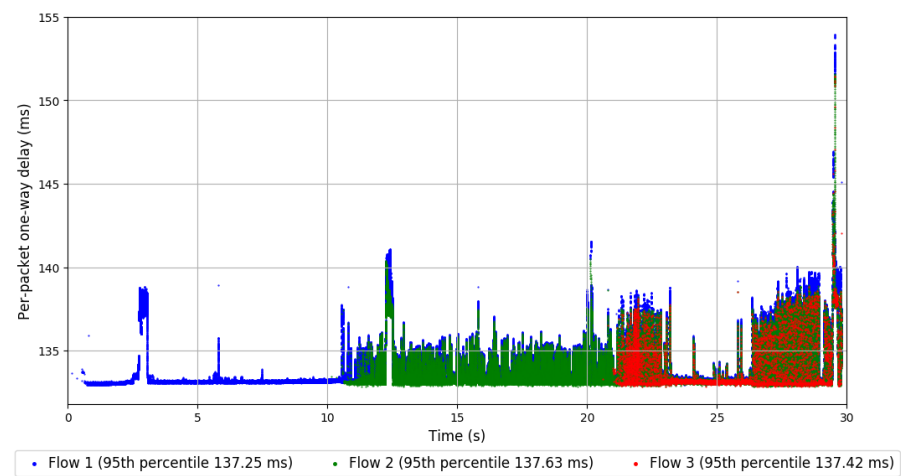
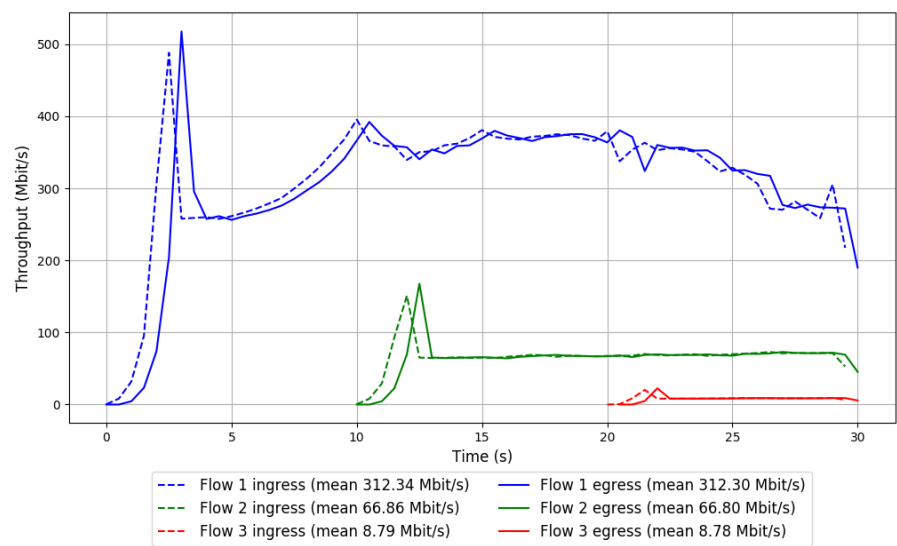
Average throughput: 8.78 Mbit/s

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

Loss rate: 2.11%



Run 7: Report of PCC-Allegro — Data Link

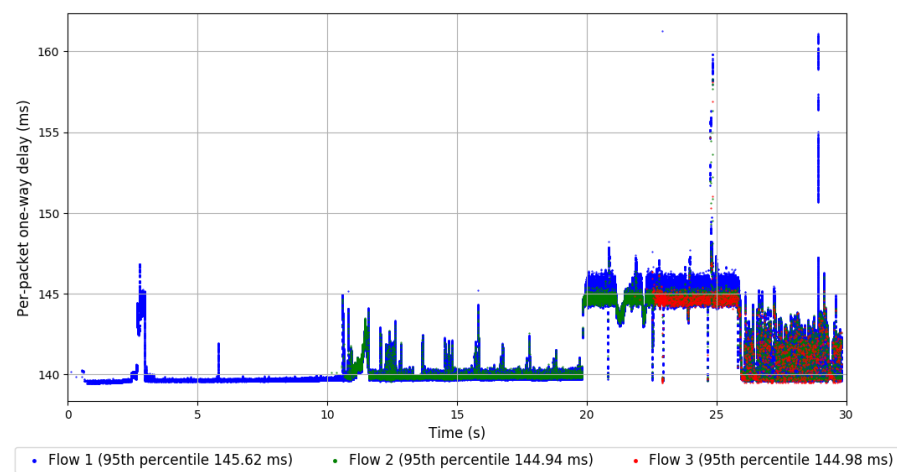
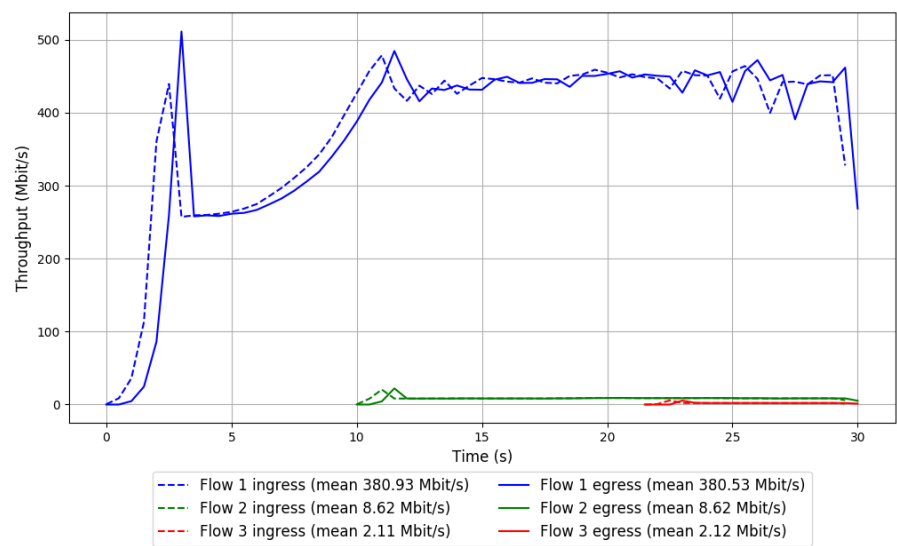


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 11:32:29  
End at: 2018-07-25 11:32:59  
Local clock offset: -0.333 ms  
Remote clock offset: -39.257 ms

# Below is generated by plot.py at 2018-07-25 13:35:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 386.81 Mbit/s  
95th percentile per-packet one-way delay: 145.618 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 380.53 Mbit/s  
95th percentile per-packet one-way delay: 145.622 ms  
Loss rate: 0.80%  
-- Flow 2:  
Average throughput: 8.62 Mbit/s  
95th percentile per-packet one-way delay: 144.939 ms  
Loss rate: 0.96%  
-- Flow 3:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 144.978 ms  
Loss rate: 2.31%

Run 8: Report of PCC-Allegro — Data Link

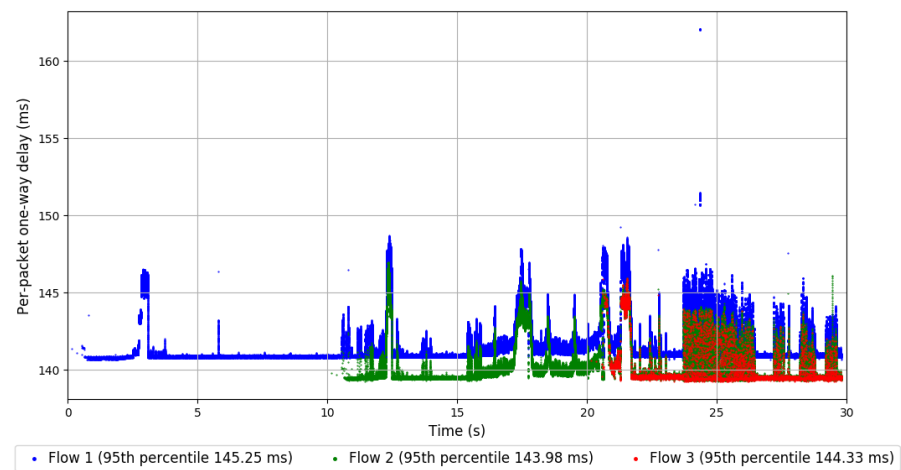
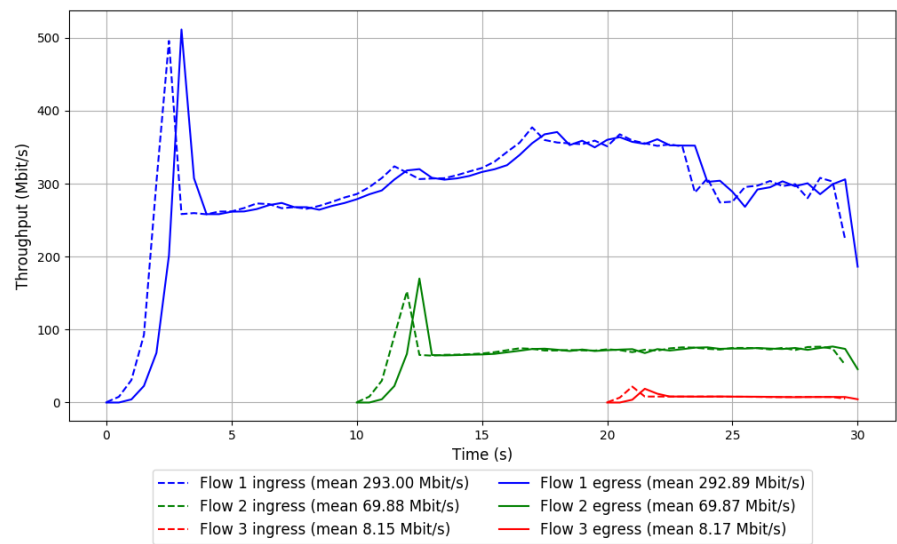


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 12:14:12  
End at: 2018-07-25 12:14:42  
Local clock offset: 1.501 ms  
Remote clock offset: -38.868 ms

# Below is generated by plot.py at 2018-07-25 13:37:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 341.82 Mbit/s  
95th percentile per-packet one-way delay: 145.044 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 292.89 Mbit/s  
95th percentile per-packet one-way delay: 145.248 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 69.87 Mbit/s  
95th percentile per-packet one-way delay: 143.982 ms  
Loss rate: 0.99%  
-- Flow 3:  
Average throughput: 8.17 Mbit/s  
95th percentile per-packet one-way delay: 144.329 ms  
Loss rate: 1.79%

Run 9: Report of PCC-Allegro — Data Link

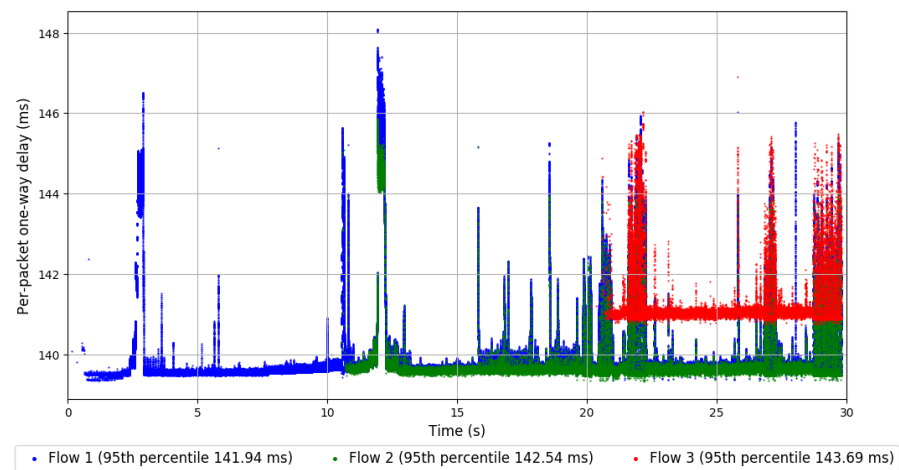
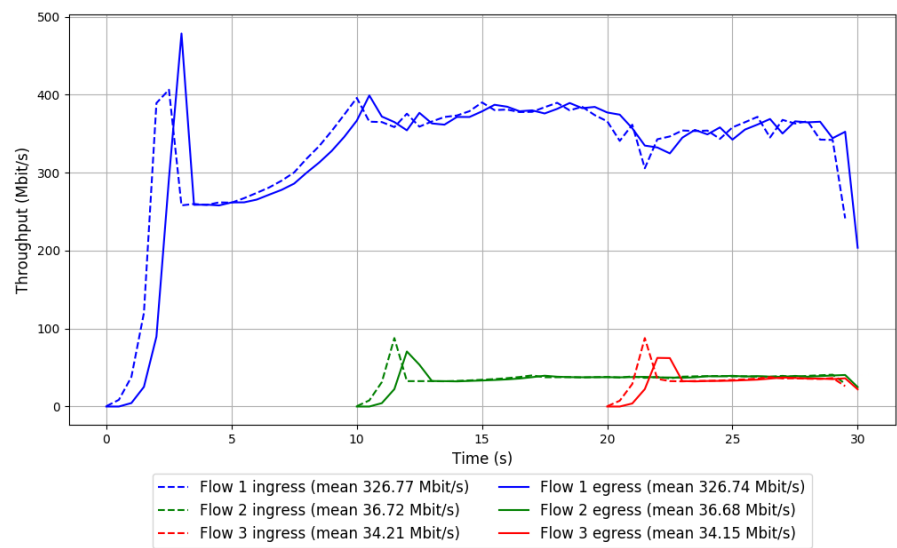


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 12:38:55  
End at: 2018-07-25 12:39:25  
Local clock offset: 0.911 ms  
Remote clock offset: -39.81 ms

# Below is generated by plot.py at 2018-07-25 13:37:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 362.11 Mbit/s  
95th percentile per-packet one-way delay: 142.121 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 326.74 Mbit/s  
95th percentile per-packet one-way delay: 141.938 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 36.68 Mbit/s  
95th percentile per-packet one-way delay: 142.543 ms  
Loss rate: 1.11%  
-- Flow 3:  
Average throughput: 34.15 Mbit/s  
95th percentile per-packet one-way delay: 143.687 ms  
Loss rate: 2.17%

Run 10: Report of PCC-Allegro — Data Link



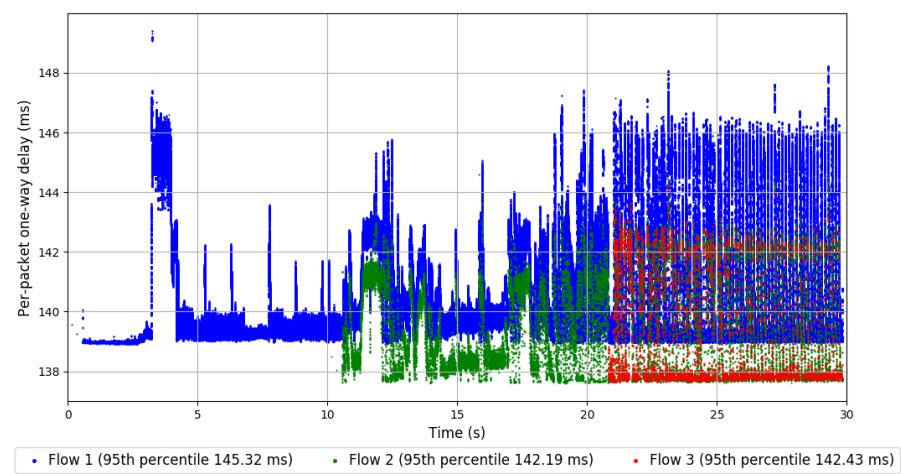
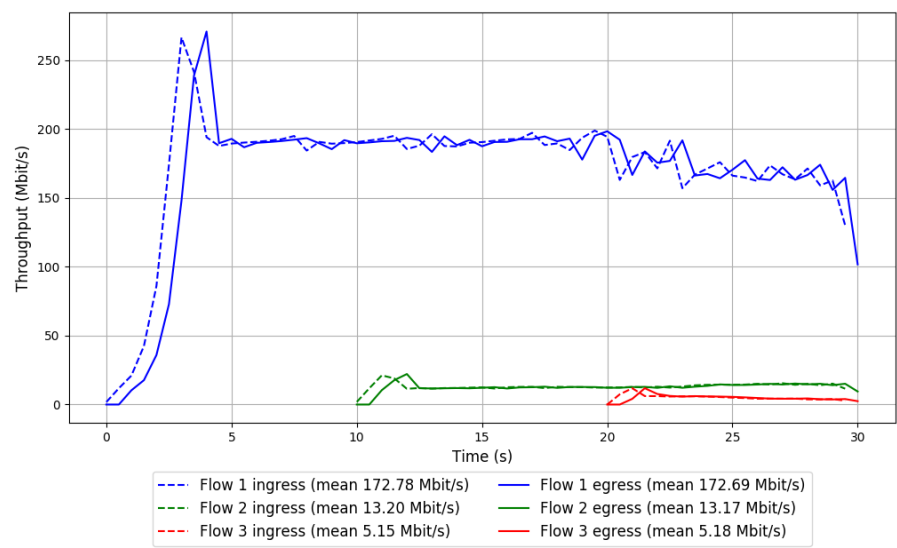
```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 07:50:29
End at: 2018-07-25 07:50:59
Local clock offset: 0.081 ms
Remote clock offset: -34.483 ms

# Below is generated by plot.py at 2018-07-25 13:37:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.11 Mbit/s
95th percentile per-packet one-way delay: 145.282 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 172.69 Mbit/s
95th percentile per-packet one-way delay: 145.320 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 142.194 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 142.428 ms
Loss rate: 1.42%
```



Run 1: Report of PCC-Expr — Data Link

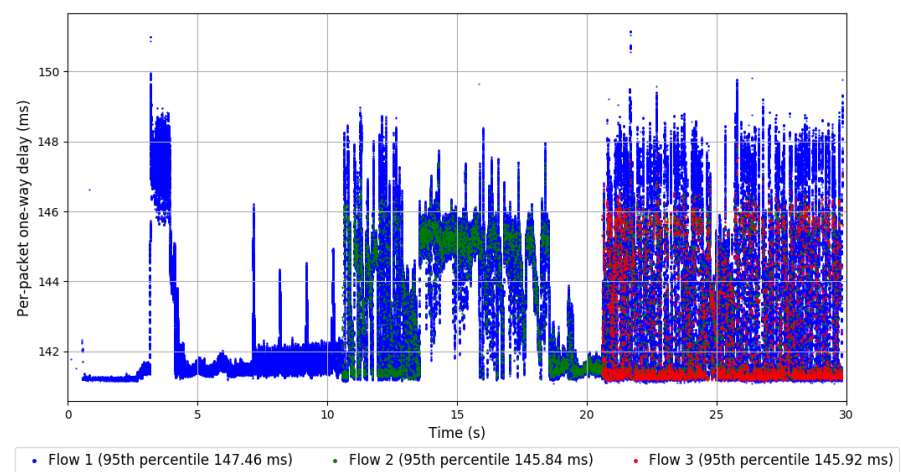
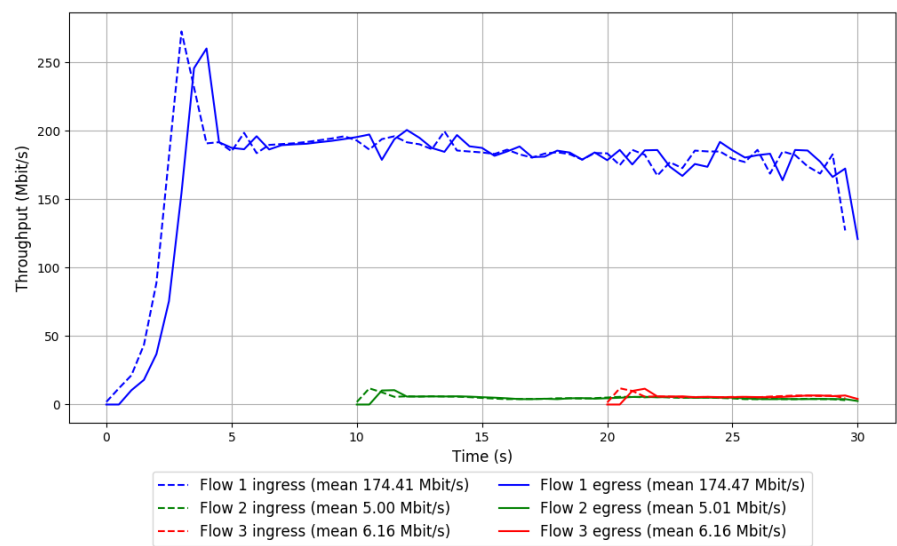


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 08:20:26
End at: 2018-07-25 08:20:56
Local clock offset: -1.458 ms
Remote clock offset: -35.619 ms

# Below is generated by plot.py at 2018-07-25 13:37:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 179.79 Mbit/s
95th percentile per-packet one-way delay: 147.438 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 174.47 Mbit/s
95th percentile per-packet one-way delay: 147.458 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 145.841 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 145.923 ms
Loss rate: 1.94%
```

Run 2: Report of PCC-Expr — Data Link

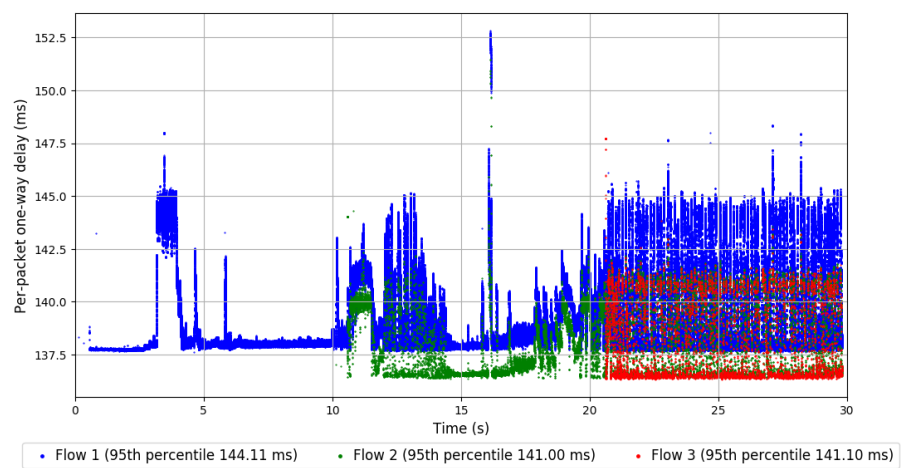
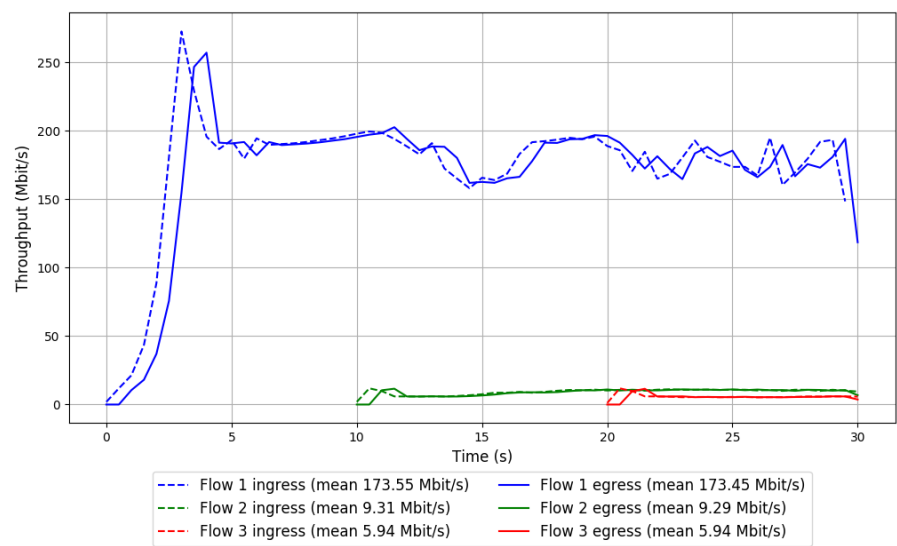


Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 08:50:45  
End at: 2018-07-25 08:51:15  
Local clock offset: 1.159 ms  
Remote clock offset: -29.849 ms

# Below is generated by plot.py at 2018-07-25 13:37:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 181.53 Mbit/s  
95th percentile per-packet one-way delay: 144.088 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 173.45 Mbit/s  
95th percentile per-packet one-way delay: 144.112 ms  
Loss rate: 0.83%  
-- Flow 2:  
Average throughput: 9.29 Mbit/s  
95th percentile per-packet one-way delay: 141.005 ms  
Loss rate: 4.14%  
-- Flow 3:  
Average throughput: 5.94 Mbit/s  
95th percentile per-packet one-way delay: 141.105 ms  
Loss rate: 7.79%

Run 3: Report of PCC-Expr — Data Link

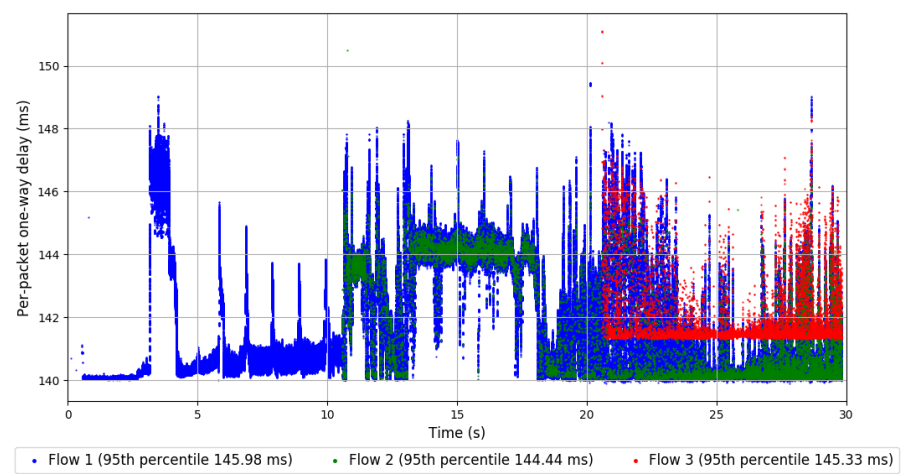
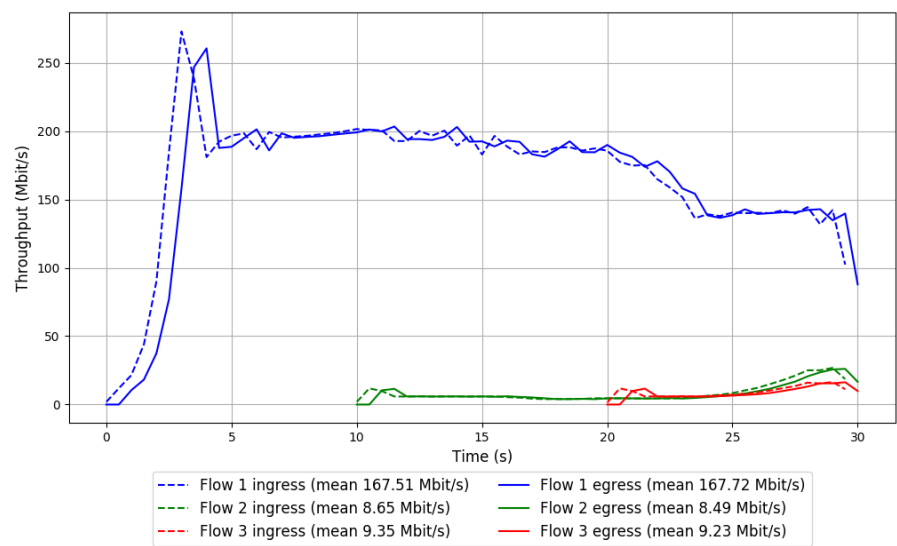


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 09:26:19  
End at: 2018-07-25 09:26:49  
Local clock offset: -0.222 ms  
Remote clock offset: -36.126 ms

# Below is generated by plot.py at 2018-07-25 13:38:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 176.36 Mbit/s  
95th percentile per-packet one-way delay: 145.922 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 167.72 Mbit/s  
95th percentile per-packet one-way delay: 145.977 ms  
Loss rate: 0.53%  
-- Flow 2:  
Average throughput: 8.49 Mbit/s  
95th percentile per-packet one-way delay: 144.444 ms  
Loss rate: 2.76%  
-- Flow 3:  
Average throughput: 9.23 Mbit/s  
95th percentile per-packet one-way delay: 145.328 ms  
Loss rate: 3.24%

Run 4: Report of PCC-Expr — Data Link



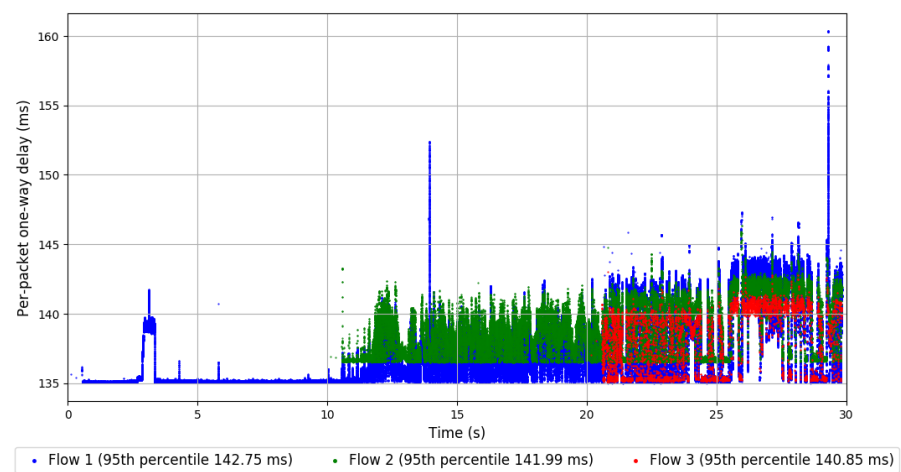
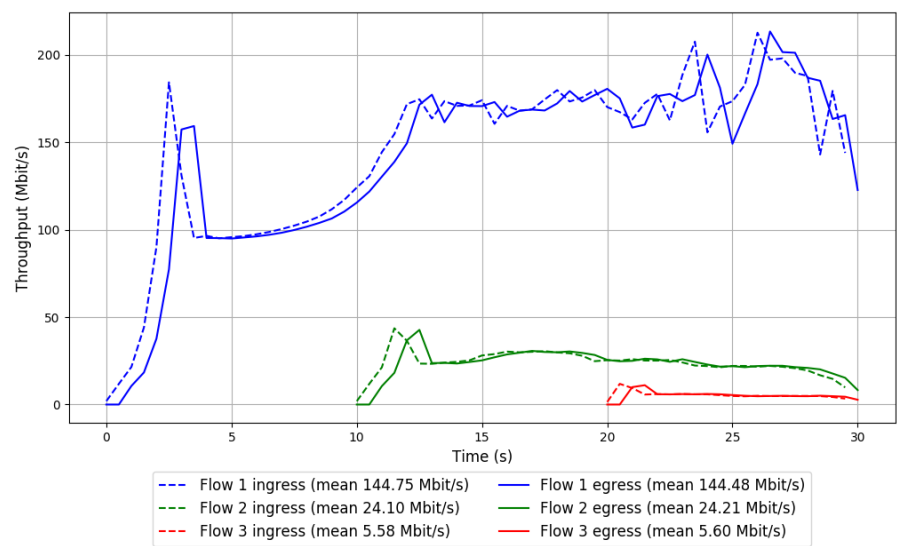
Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 10:02:09  
End at: 2018-07-25 10:02:39  
Local clock offset: -0.698 ms  
Remote clock offset: -33.966 ms

# Below is generated by plot.py at 2018-07-25 13:38:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 162.35 Mbit/s  
95th percentile per-packet one-way delay: 142.658 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 144.48 Mbit/s  
95th percentile per-packet one-way delay: 142.753 ms  
Loss rate: 0.85%  
-- Flow 2:  
Average throughput: 24.21 Mbit/s  
95th percentile per-packet one-way delay: 141.991 ms  
Loss rate: 0.54%  
-- Flow 3:  
Average throughput: 5.60 Mbit/s  
95th percentile per-packet one-way delay: 140.848 ms  
Loss rate: 1.68%



Run 5: Report of PCC-Expr — Data Link

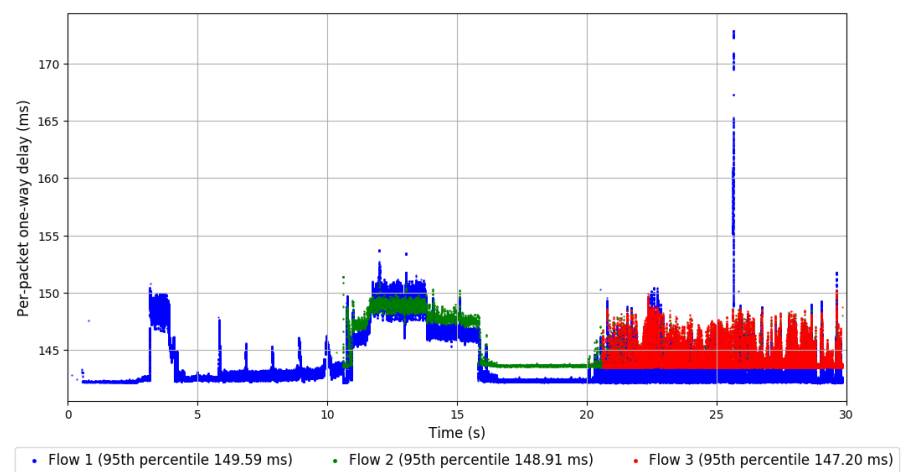
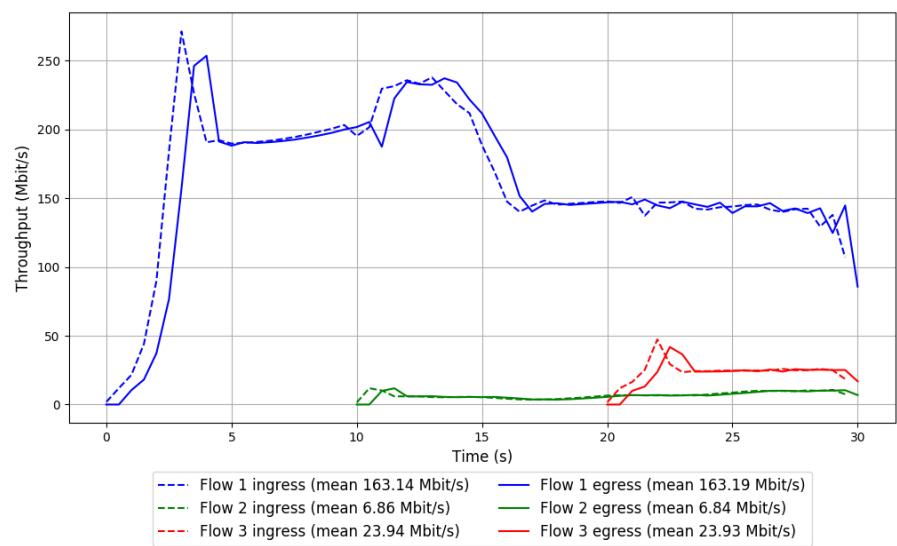


Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 10:36:13  
End at: 2018-07-25 10:36:43  
Local clock offset: 2.108 ms  
Remote clock offset: -39.751 ms

# Below is generated by plot.py at 2018-07-25 13:39:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 175.49 Mbit/s  
95th percentile per-packet one-way delay: 149.541 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 163.19 Mbit/s  
95th percentile per-packet one-way delay: 149.591 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 6.84 Mbit/s  
95th percentile per-packet one-way delay: 148.908 ms  
Loss rate: 1.37%  
-- Flow 3:  
Average throughput: 23.93 Mbit/s  
95th percentile per-packet one-way delay: 147.200 ms  
Loss rate: 1.95%

Run 6: Report of PCC-Expr — Data Link

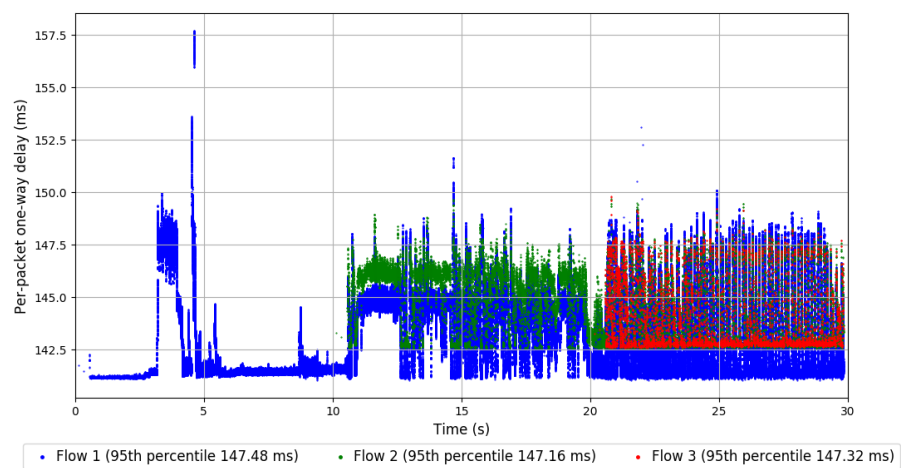
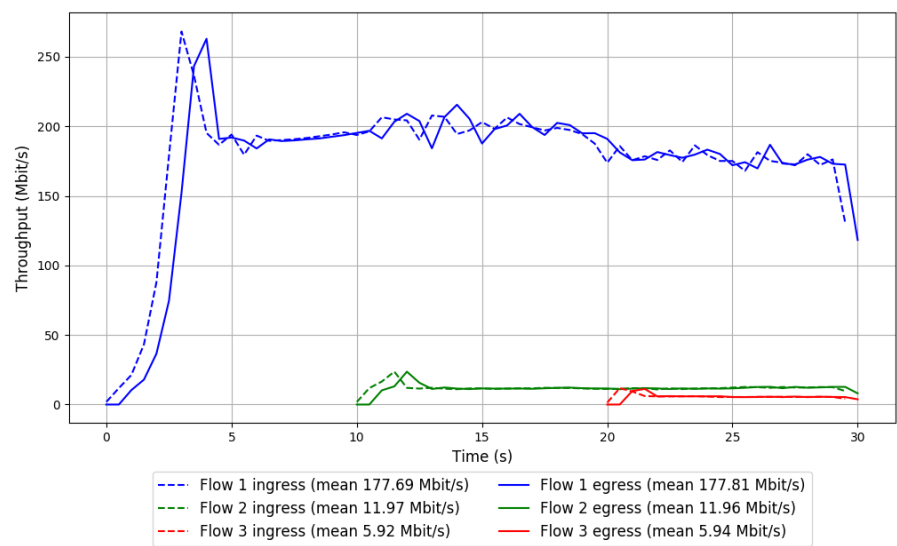


Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 11:00:51  
End at: 2018-07-25 11:01:21  
Local clock offset: 2.574 ms  
Remote clock offset: -39.052 ms

# Below is generated by plot.py at 2018-07-25 13:41:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 187.67 Mbit/s  
95th percentile per-packet one-way delay: 147.461 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 177.81 Mbit/s  
95th percentile per-packet one-way delay: 147.480 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 11.96 Mbit/s  
95th percentile per-packet one-way delay: 147.157 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 5.94 Mbit/s  
95th percentile per-packet one-way delay: 147.322 ms  
Loss rate: 1.74%

Run 7: Report of PCC-Expr — Data Link

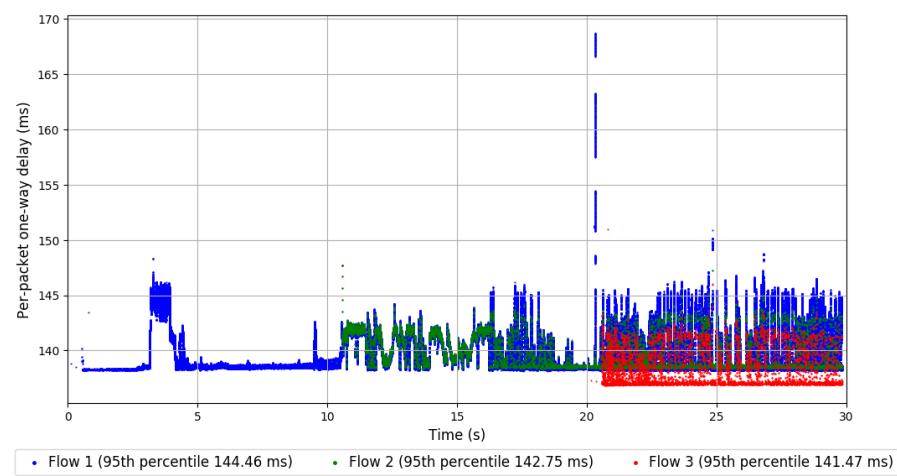
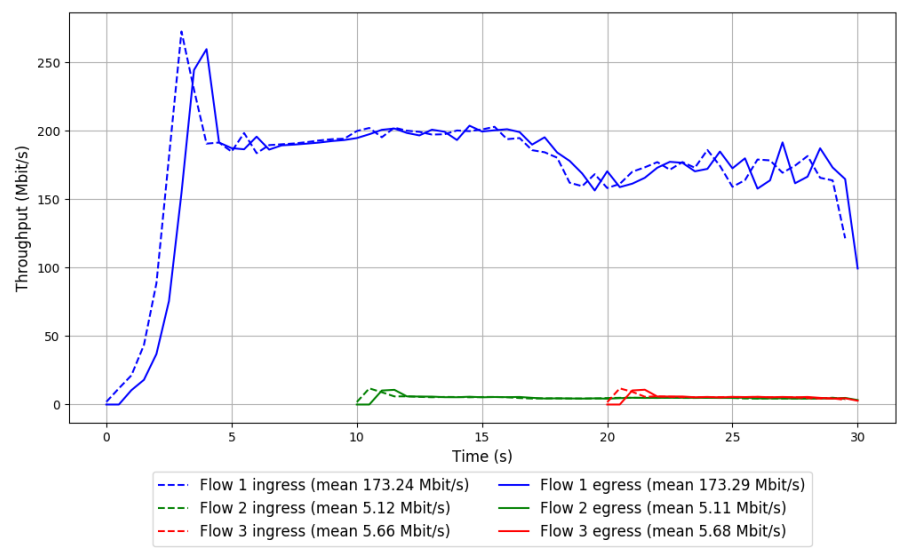


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 11:30:55  
End at: 2018-07-25 11:31:25  
Local clock offset: -0.855 ms  
Remote clock offset: -38.562 ms

# Below is generated by plot.py at 2018-07-25 13:41:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 178.53 Mbit/s  
95th percentile per-packet one-way delay: 144.434 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 173.29 Mbit/s  
95th percentile per-packet one-way delay: 144.458 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 5.11 Mbit/s  
95th percentile per-packet one-way delay: 142.751 ms  
Loss rate: 1.07%  
-- Flow 3:  
Average throughput: 5.68 Mbit/s  
95th percentile per-packet one-way delay: 141.475 ms  
Loss rate: 1.63%

Run 8: Report of PCC-Expr — Data Link



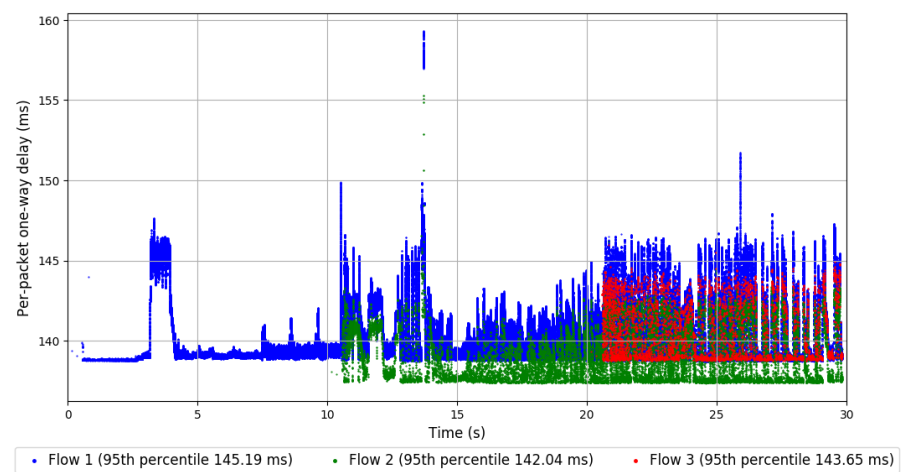
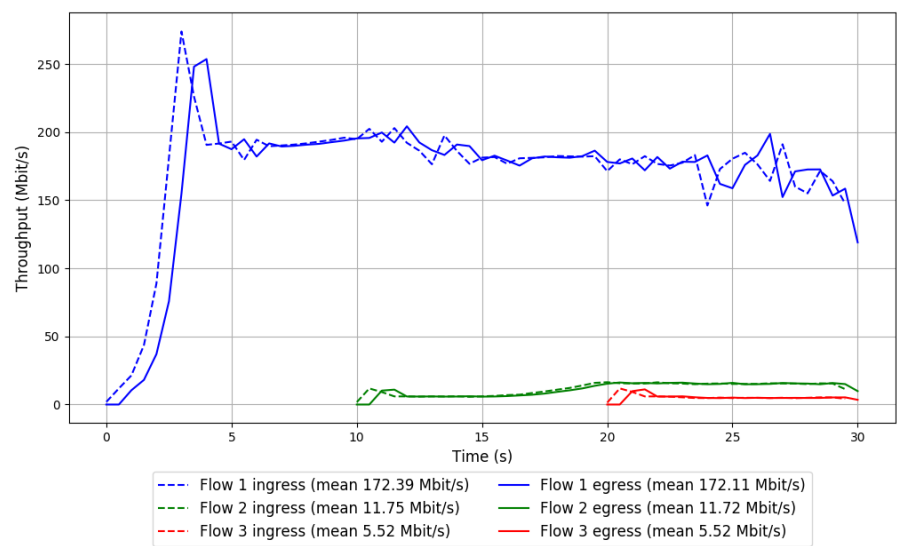
Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 12:12:38  
End at: 2018-07-25 12:13:08  
Local clock offset: 2.254 ms  
Remote clock offset: -36.11 ms

# Below is generated by plot.py at 2018-07-25 13:41:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 181.66 Mbit/s  
95th percentile per-packet one-way delay: 145.150 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 172.11 Mbit/s  
95th percentile per-packet one-way delay: 145.186 ms  
Loss rate: 0.84%  
-- Flow 2:  
Average throughput: 11.72 Mbit/s  
95th percentile per-packet one-way delay: 142.045 ms  
Loss rate: 1.27%  
-- Flow 3:  
Average throughput: 5.52 Mbit/s  
95th percentile per-packet one-way delay: 143.649 ms  
Loss rate: 2.05%



Run 9: Report of PCC-Expr — Data Link

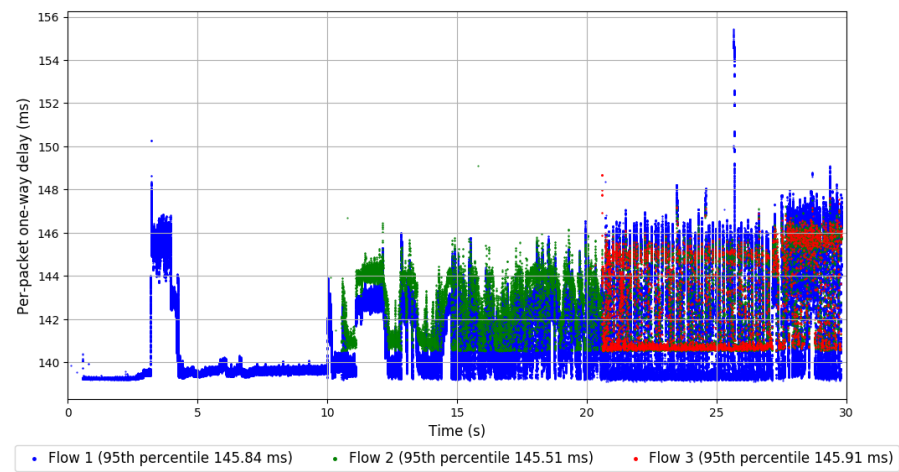
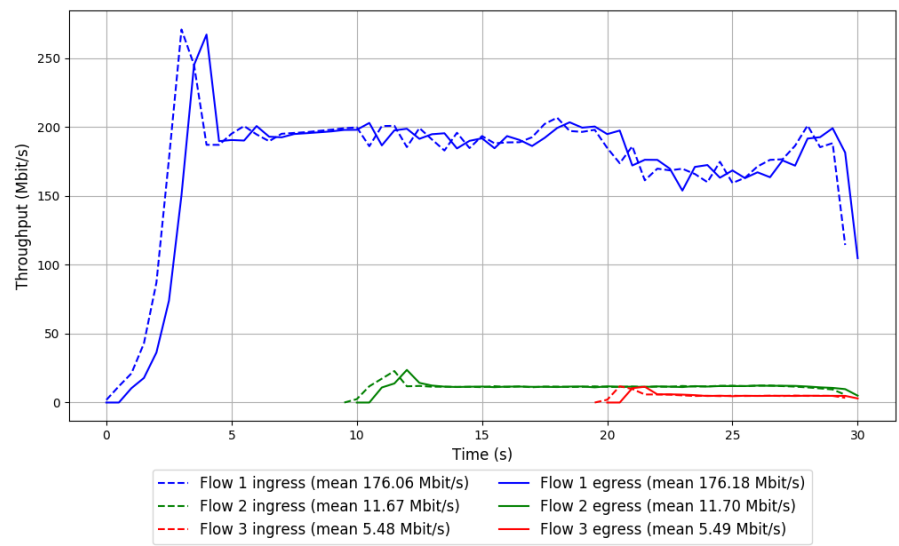


Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 12:37:00  
End at: 2018-07-25 12:37:30  
Local clock offset: 2.27 ms  
Remote clock offset: -38.141 ms

# Below is generated by plot.py at 2018-07-25 13:41:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 185.72 Mbit/s  
95th percentile per-packet one-way delay: 145.823 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 176.18 Mbit/s  
95th percentile per-packet one-way delay: 145.837 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 11.70 Mbit/s  
95th percentile per-packet one-way delay: 145.508 ms  
Loss rate: 0.70%  
-- Flow 3:  
Average throughput: 5.49 Mbit/s  
95th percentile per-packet one-way delay: 145.913 ms  
Loss rate: 1.76%

Run 10: Report of PCC-Expr — Data Link

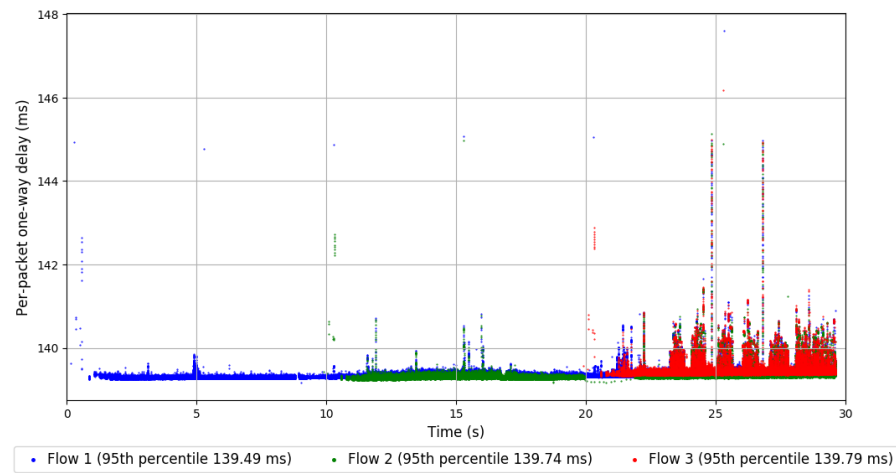
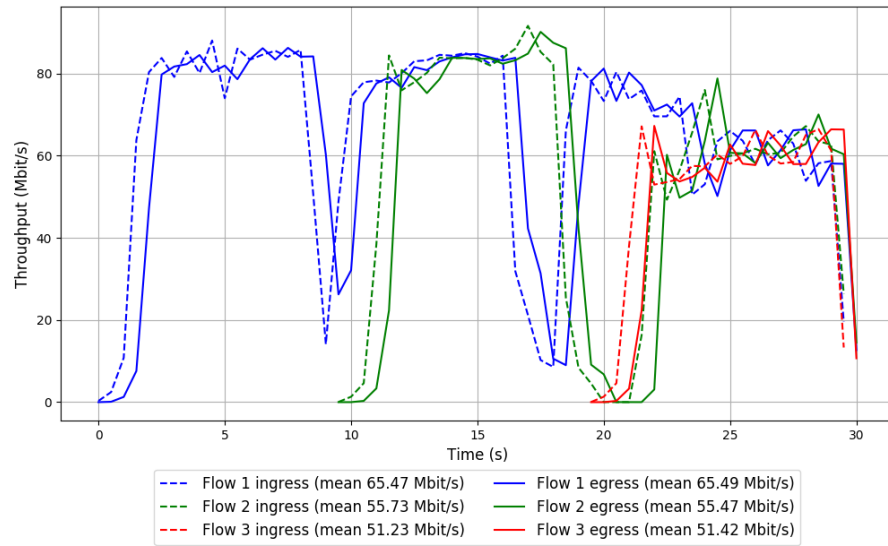


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-25 07:36:34  
End at: 2018-07-25 07:37:04  
Local clock offset: 1.408 ms  
Remote clock offset: -36.453 ms

# Below is generated by plot.py at 2018-07-25 13:41:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 119.54 Mbit/s  
95th percentile per-packet one-way delay: 139.638 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 65.49 Mbit/s  
95th percentile per-packet one-way delay: 139.487 ms  
Loss rate: 0.61%  
-- Flow 2:  
Average throughput: 55.47 Mbit/s  
95th percentile per-packet one-way delay: 139.739 ms  
Loss rate: 1.43%  
-- Flow 3:  
Average throughput: 51.42 Mbit/s  
95th percentile per-packet one-way delay: 139.795 ms  
Loss rate: 1.59%

## Run 1: Report of QUIC Cubic — Data Link

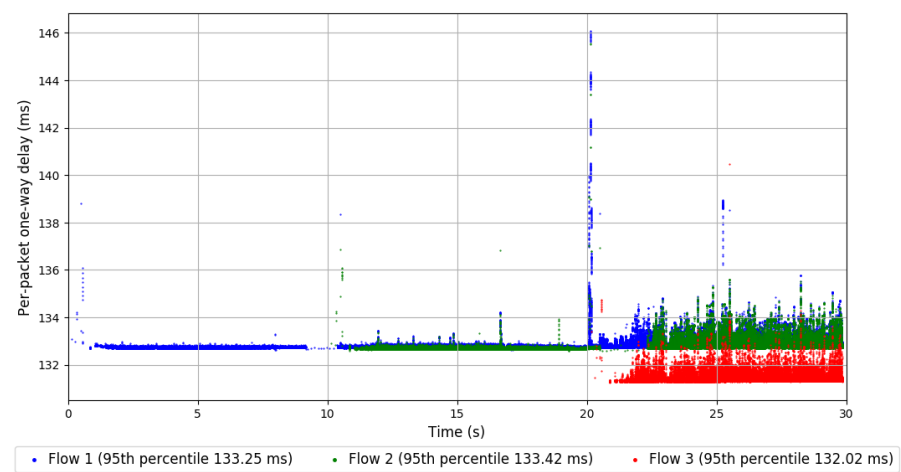
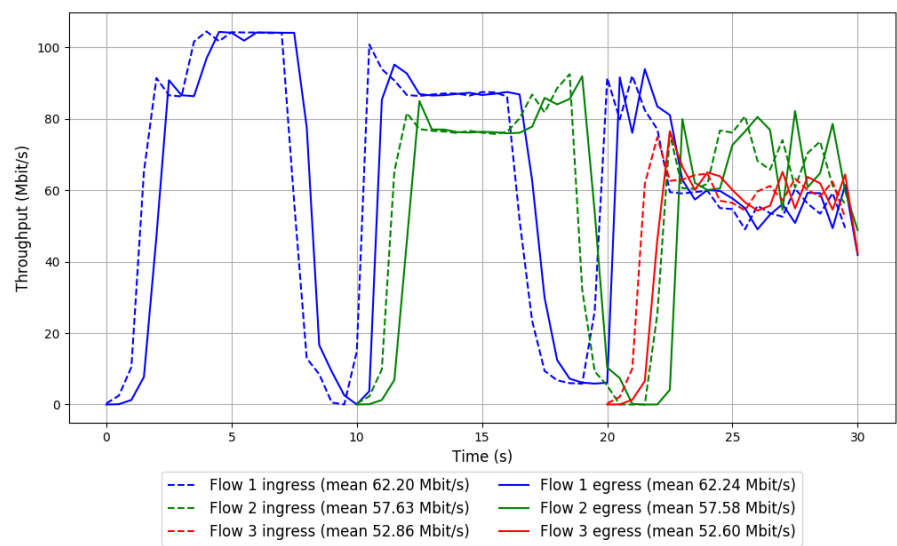


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 08:06:43  
End at: 2018-07-25 08:07:13  
Local clock offset: -2.06 ms  
Remote clock offset: -28.616 ms

# Below is generated by plot.py at 2018-07-25 13:41:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 117.58 Mbit/s  
95th percentile per-packet one-way delay: 133.276 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 62.24 Mbit/s  
95th percentile per-packet one-way delay: 133.246 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 57.58 Mbit/s  
95th percentile per-packet one-way delay: 133.417 ms  
Loss rate: 1.10%  
-- Flow 3:  
Average throughput: 52.60 Mbit/s  
95th percentile per-packet one-way delay: 132.019 ms  
Loss rate: 2.46%

Run 2: Report of QUIC Cubic — Data Link



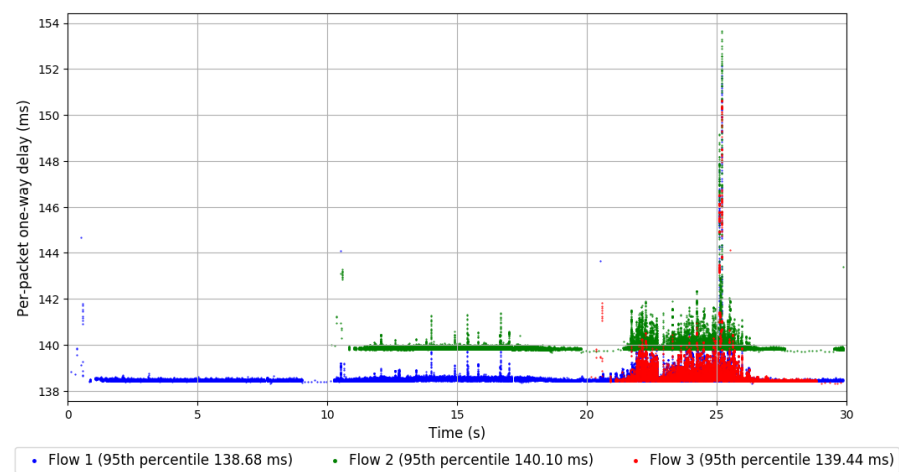
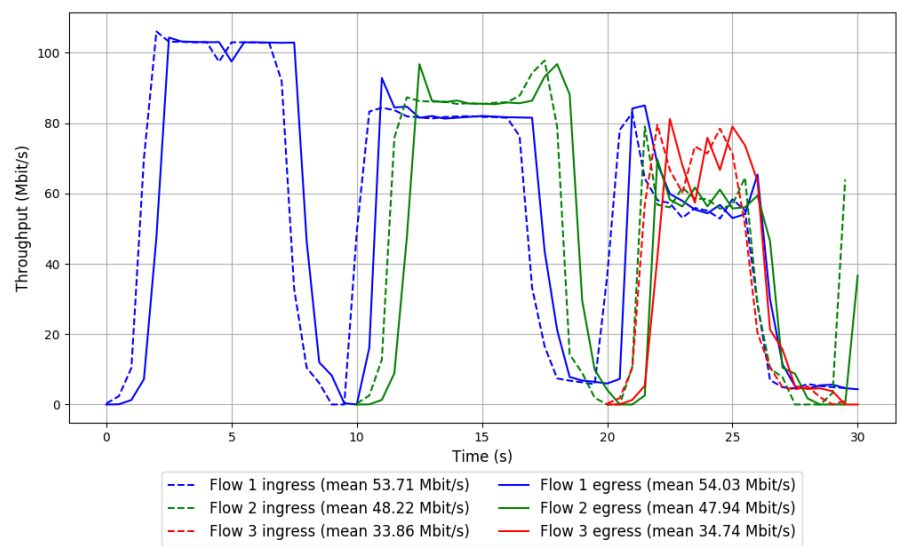
Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 08:42:36  
End at: 2018-07-25 08:43:06  
Local clock offset: 1.048 ms  
Remote clock offset: -31.955 ms

# Below is generated by plot.py at 2018-07-25 13:41:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.07 Mbit/s  
95th percentile per-packet one-way delay: 139.914 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 54.03 Mbit/s  
95th percentile per-packet one-way delay: 138.678 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 47.94 Mbit/s  
95th percentile per-packet one-way delay: 140.104 ms  
Loss rate: 1.59%  
-- Flow 3:  
Average throughput: 34.74 Mbit/s  
95th percentile per-packet one-way delay: 139.440 ms  
Loss rate: 0.16%



Run 3: Report of QUIC Cubic — Data Link

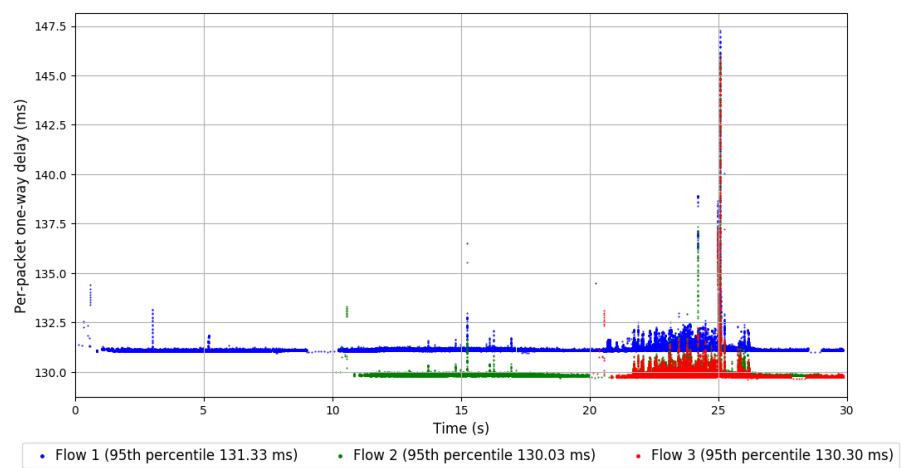
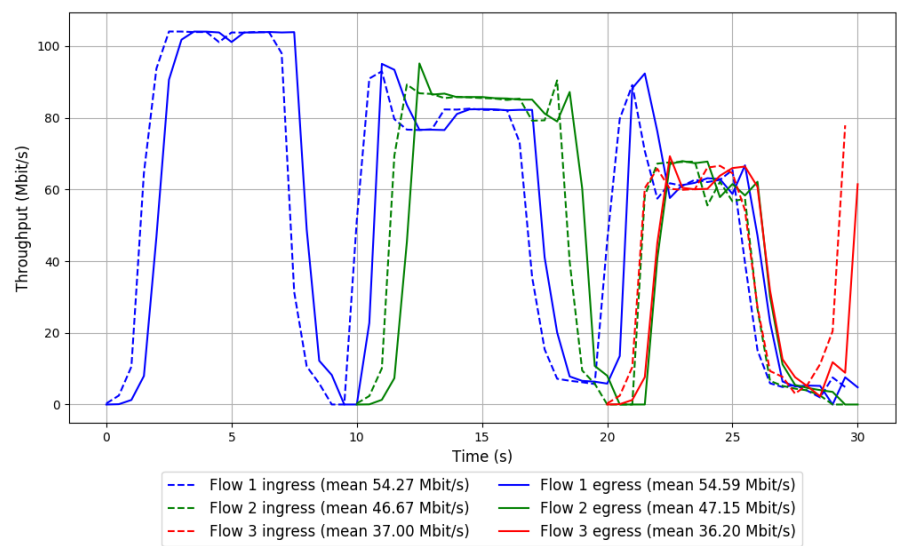


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 09:12:35  
End at: 2018-07-25 09:13:05  
Local clock offset: -0.176 ms  
Remote clock offset: -24.367 ms

# Below is generated by plot.py at 2018-07-25 13:41:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.65 Mbit/s  
95th percentile per-packet one-way delay: 131.209 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 54.59 Mbit/s  
95th percentile per-packet one-way delay: 131.334 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 47.15 Mbit/s  
95th percentile per-packet one-way delay: 130.030 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 36.20 Mbit/s  
95th percentile per-packet one-way delay: 130.298 ms  
Loss rate: 4.20%

Run 4: Report of QUIC Cubic — Data Link

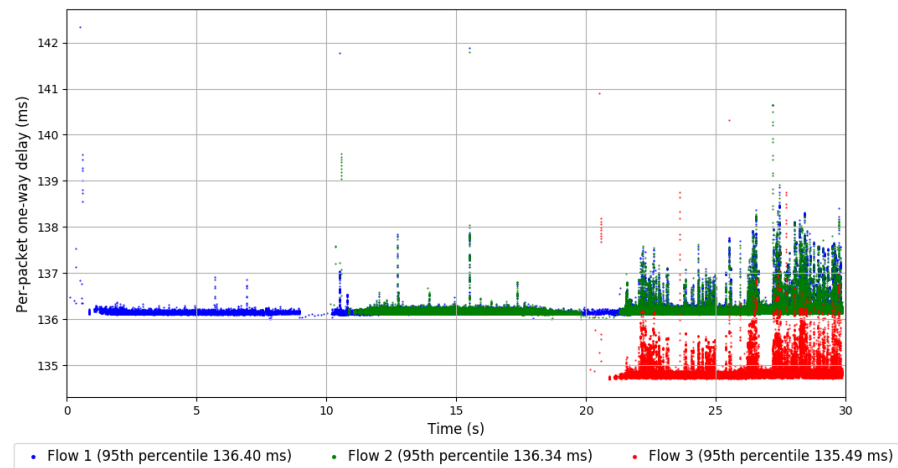
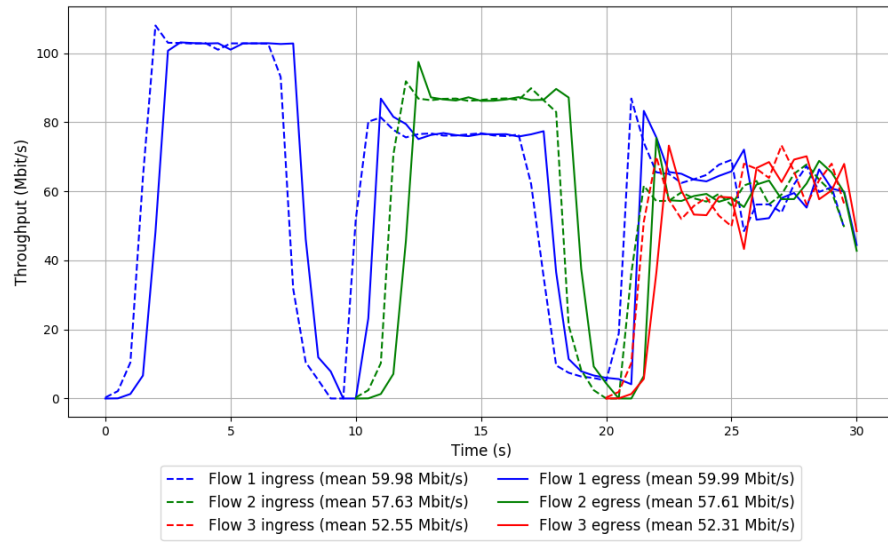


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 09:53:59  
End at: 2018-07-25 09:54:29  
Local clock offset: -1.88 ms  
Remote clock offset: -34.426 ms

# Below is generated by plot.py at 2018-07-25 13:41:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 115.27 Mbit/s  
95th percentile per-packet one-way delay: 136.312 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 59.99 Mbit/s  
95th percentile per-packet one-way delay: 136.397 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 57.61 Mbit/s  
95th percentile per-packet one-way delay: 136.337 ms  
Loss rate: 1.02%  
-- Flow 3:  
Average throughput: 52.31 Mbit/s  
95th percentile per-packet one-way delay: 135.494 ms  
Loss rate: 2.53%

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

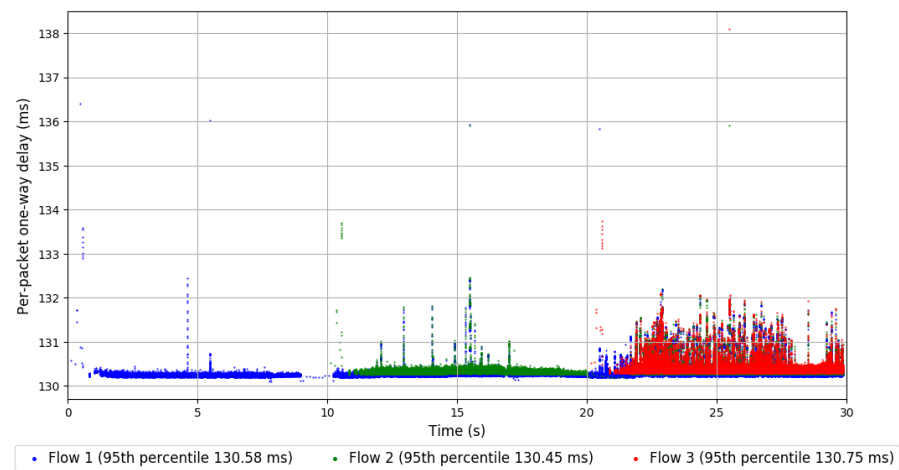
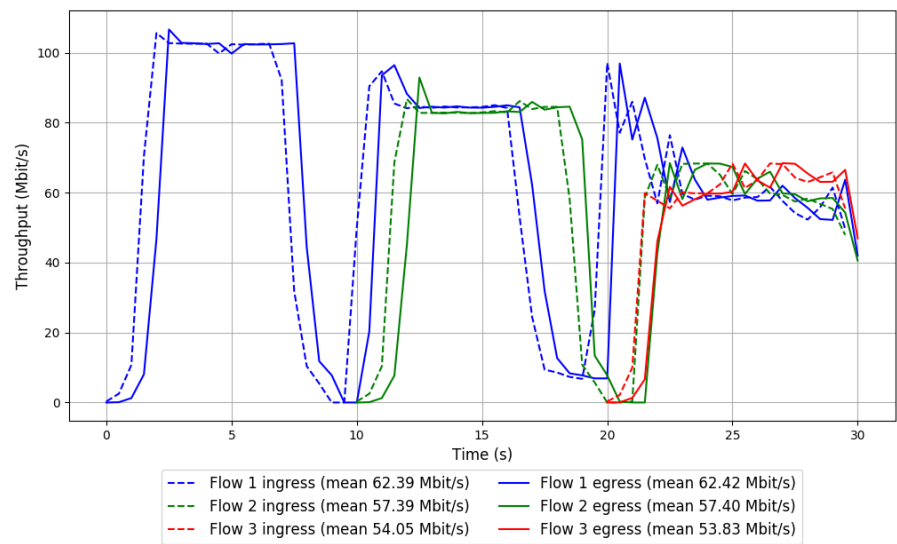


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 10:28:00  
End at: 2018-07-25 10:28:30  
Local clock offset: 1.237 ms  
Remote clock offset: -27.164 ms

# Below is generated by plot.py at 2018-07-25 13:41:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 118.08 Mbit/s  
95th percentile per-packet one-way delay: 130.577 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 62.42 Mbit/s  
95th percentile per-packet one-way delay: 130.580 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 57.40 Mbit/s  
95th percentile per-packet one-way delay: 130.454 ms  
Loss rate: 0.96%  
-- Flow 3:  
Average throughput: 53.83 Mbit/s  
95th percentile per-packet one-way delay: 130.755 ms  
Loss rate: 2.39%

Run 6: Report of QUIC Cubic — Data Link



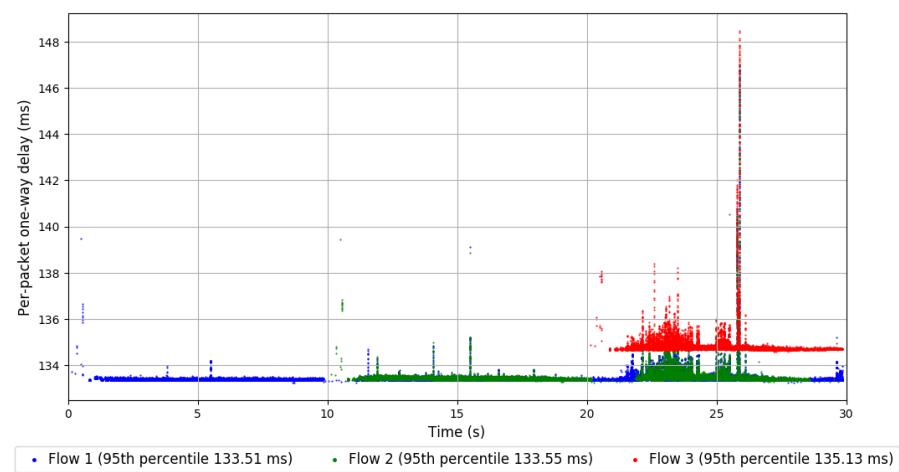
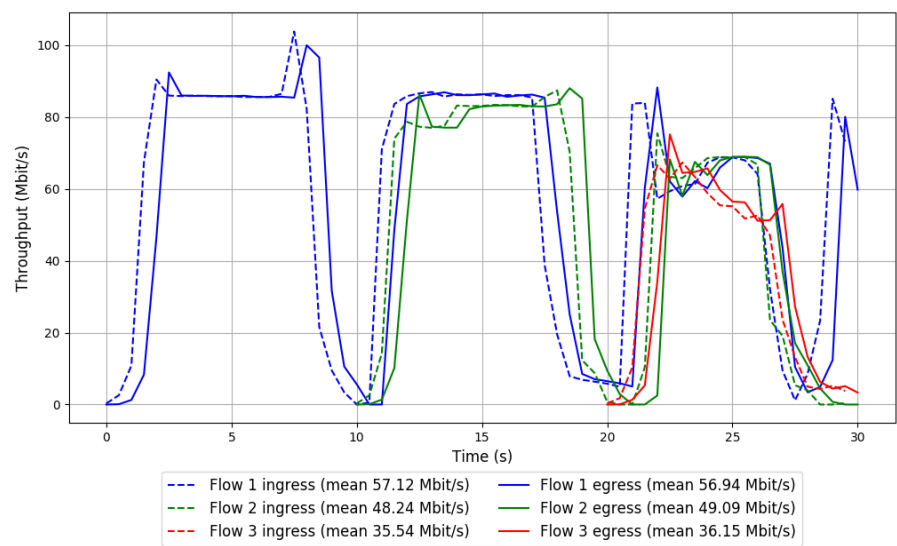
Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 10:52:30  
End at: 2018-07-25 10:53:00  
Local clock offset: 0.012 ms  
Remote clock offset: -33.46 ms

# Below is generated by plot.py at 2018-07-25 13:41:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 101.03 Mbit/s  
95th percentile per-packet one-way delay: 134.740 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 56.94 Mbit/s  
95th percentile per-packet one-way delay: 133.514 ms  
Loss rate: 0.96%  
-- Flow 2:  
Average throughput: 49.09 Mbit/s  
95th percentile per-packet one-way delay: 133.552 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 36.15 Mbit/s  
95th percentile per-packet one-way delay: 135.126 ms  
Loss rate: 0.24%



Run 7: Report of QUIC Cubic — Data Link

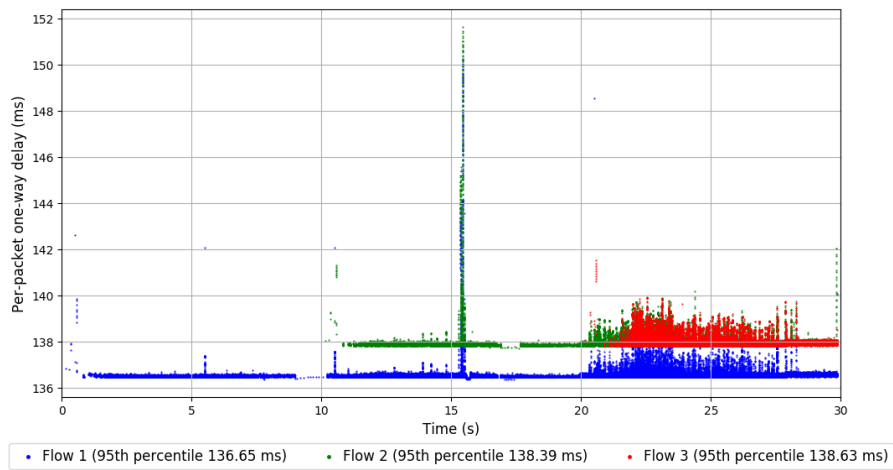
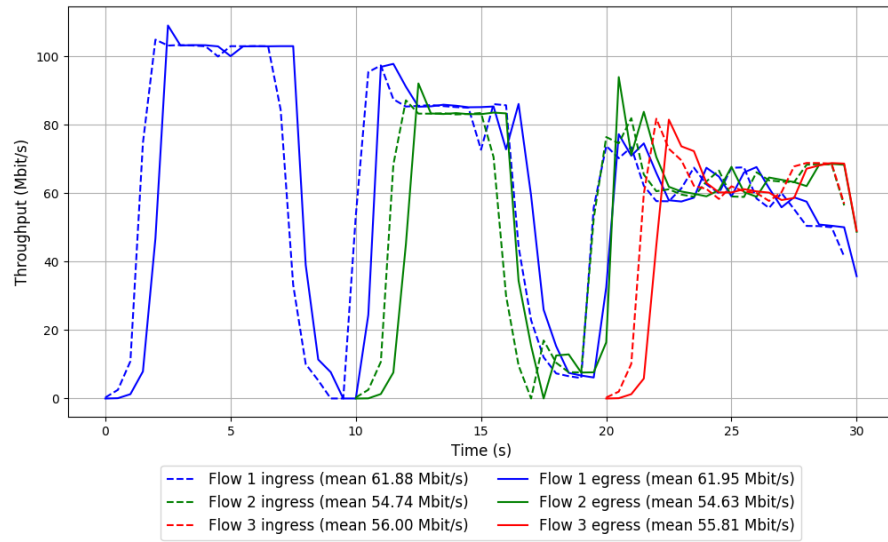


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 11:22:39  
End at: 2018-07-25 11:23:09  
Local clock offset: 1.265 ms  
Remote clock offset: -36.258 ms

# Below is generated by plot.py at 2018-07-25 13:42:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 116.42 Mbit/s  
95th percentile per-packet one-way delay: 138.220 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 61.95 Mbit/s  
95th percentile per-packet one-way delay: 136.646 ms  
Loss rate: 0.53%  
-- Flow 2:  
Average throughput: 54.63 Mbit/s  
95th percentile per-packet one-way delay: 138.390 ms  
Loss rate: 1.22%  
-- Flow 3:  
Average throughput: 55.81 Mbit/s  
95th percentile per-packet one-way delay: 138.635 ms  
Loss rate: 2.42%

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

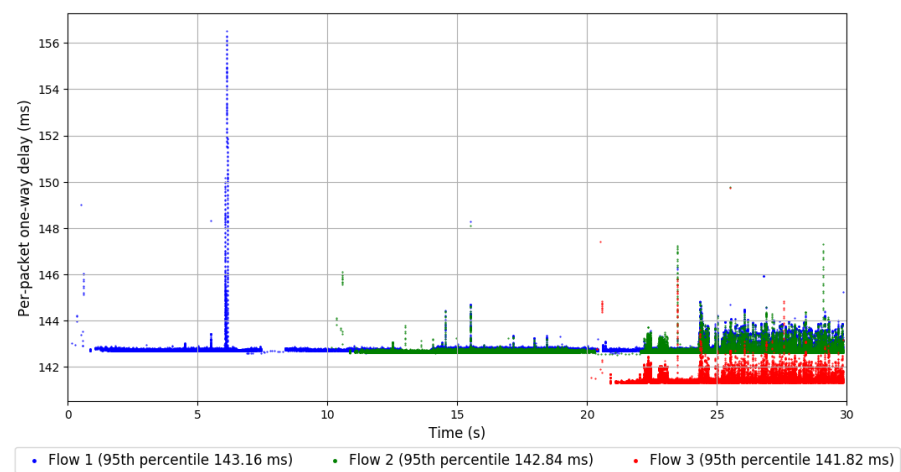
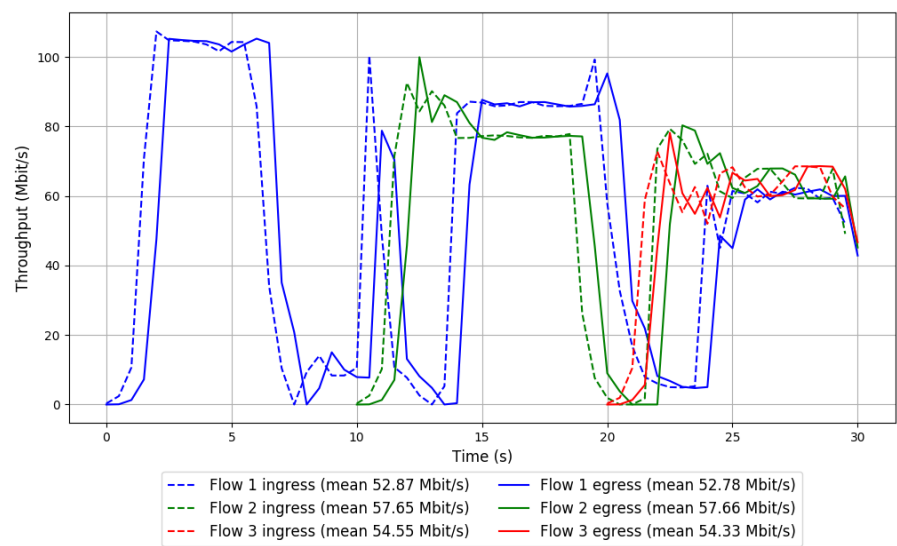


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 11:52:47  
End at: 2018-07-25 11:53:17  
Local clock offset: -1.953 ms  
Remote clock offset: -43.668 ms

# Below is generated by plot.py at 2018-07-25 13:42:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 108.76 Mbit/s  
95th percentile per-packet one-way delay: 142.981 ms  
Loss rate: 1.16%  
-- Flow 1:  
Average throughput: 52.78 Mbit/s  
95th percentile per-packet one-way delay: 143.158 ms  
Loss rate: 0.82%  
-- Flow 2:  
Average throughput: 57.66 Mbit/s  
95th percentile per-packet one-way delay: 142.835 ms  
Loss rate: 1.01%  
-- Flow 3:  
Average throughput: 54.33 Mbit/s  
95th percentile per-packet one-way delay: 141.821 ms  
Loss rate: 2.47%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 12:28:45

End at: 2018-07-25 12:29:15

Local clock offset: 0.338 ms

Remote clock offset: -39.164 ms

# Below is generated by plot.py at 2018-07-25 13:42:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 115.05 Mbit/s

95th percentile per-packet one-way delay: 140.041 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 59.57 Mbit/s

95th percentile per-packet one-way delay: 140.162 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 138.544 ms

Loss rate: 1.05%

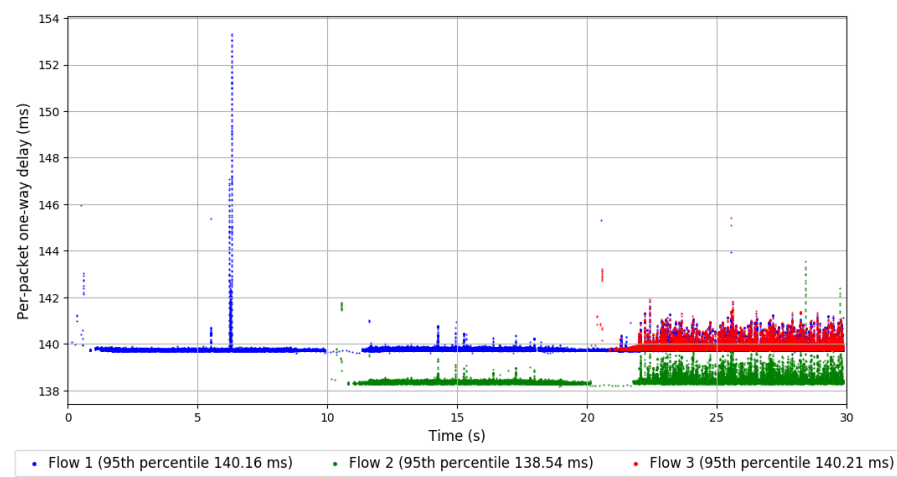
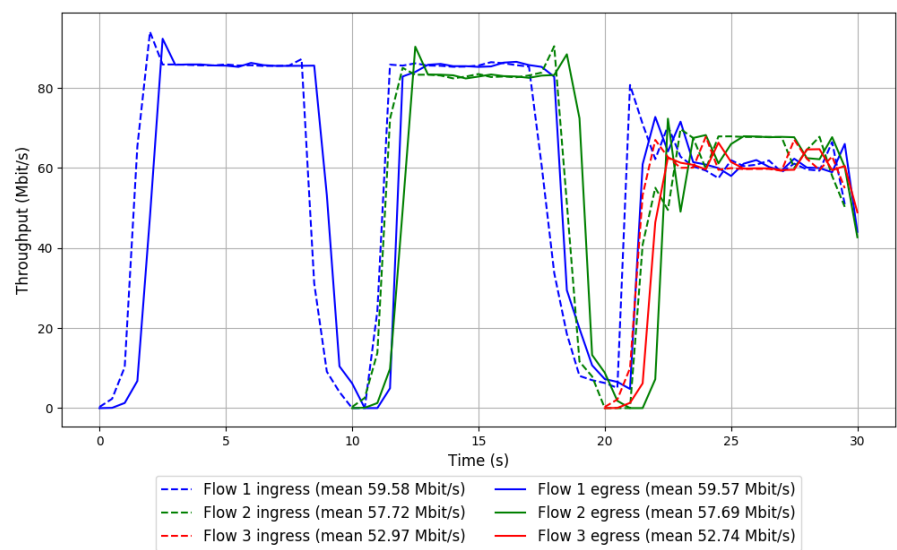
-- Flow 3:

Average throughput: 52.74 Mbit/s

95th percentile per-packet one-way delay: 140.206 ms

Loss rate: 2.40%

Run 10: Report of QUIC Cubic — Data Link



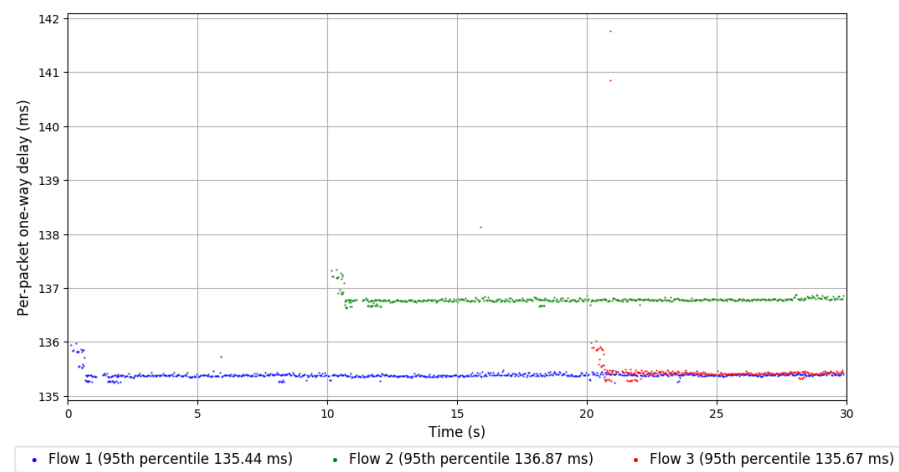
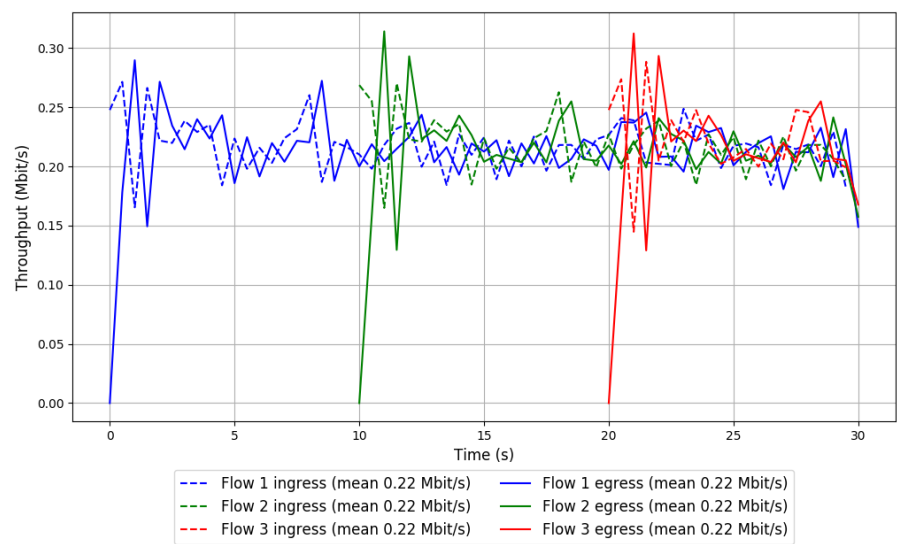
Run 1: Statistics of SReAM

Start at: 2018-07-25 07:54:50  
End at: 2018-07-25 07:55:20  
Local clock offset: 1.485 ms  
Remote clock offset: -30.327 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 136.807 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.441 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.866 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.674 ms  
Loss rate: 1.83%



Run 1: Report of SReAM — Data Link

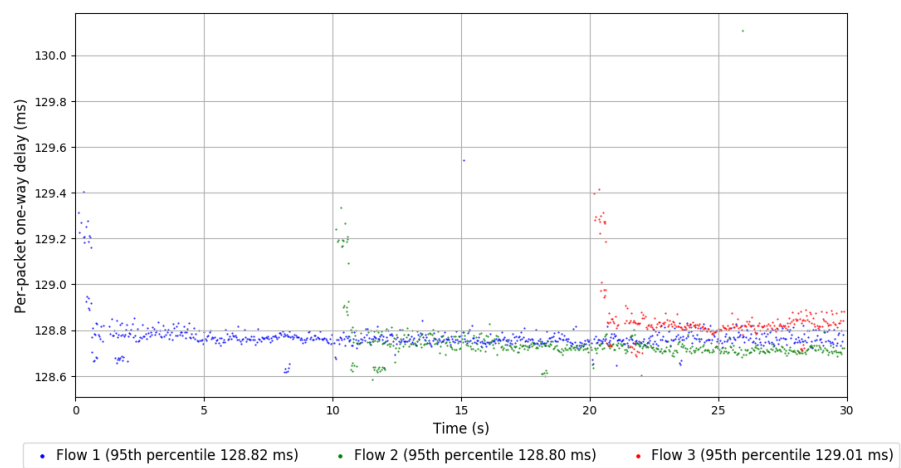
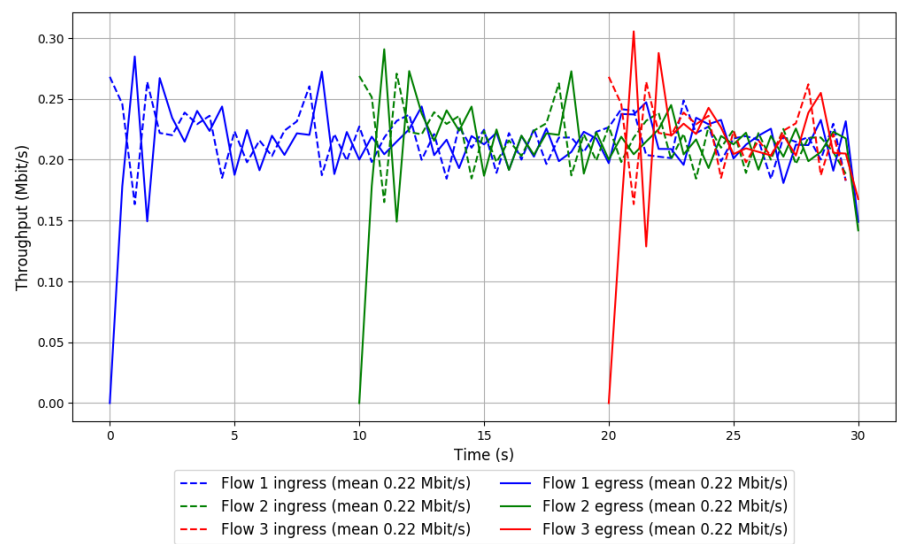


Run 2: Statistics of SReAM

Start at: 2018-07-25 08:24:47  
End at: 2018-07-25 08:25:17  
Local clock offset: 0.568 ms  
Remote clock offset: -21.11 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 128.872 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.823 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.801 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 129.008 ms  
Loss rate: 1.83%

Run 2: Report of SReAM — Data Link

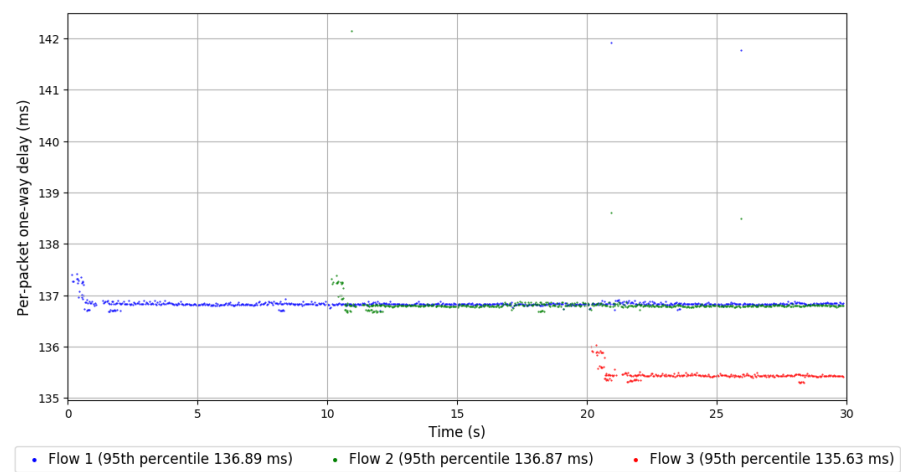
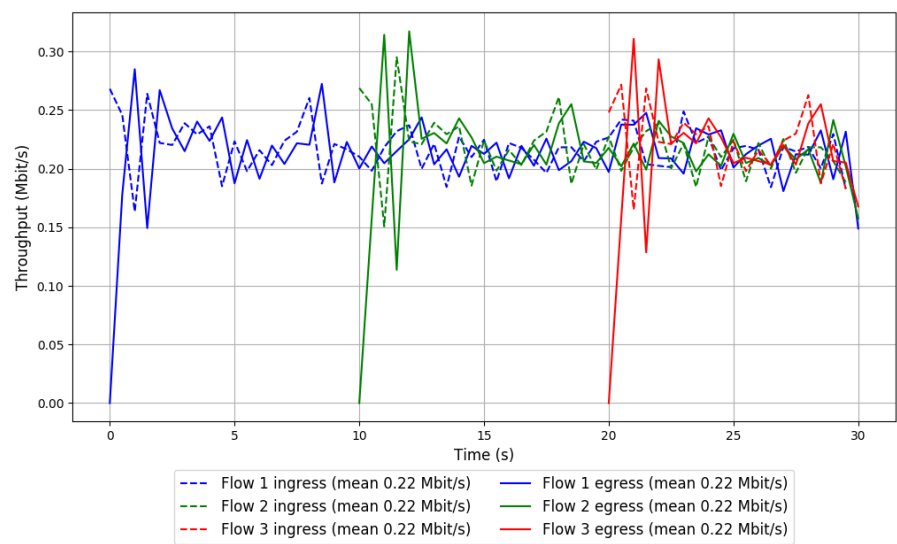


Run 3: Statistics of SReAM

Start at: 2018-07-25 08:55:05  
End at: 2018-07-25 08:55:35  
Local clock offset: -0.943 ms  
Remote clock offset: -30.924 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 136.881 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.890 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.867 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.633 ms  
Loss rate: 1.83%

Run 3: Report of SReAM — Data Link

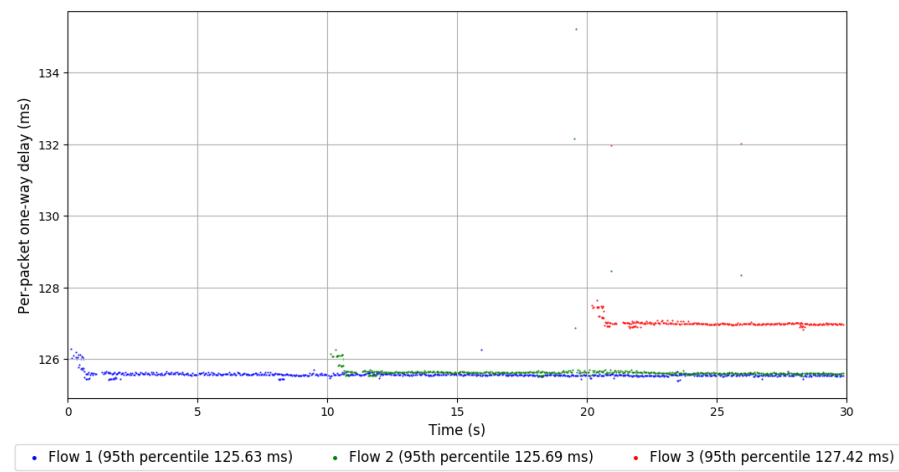
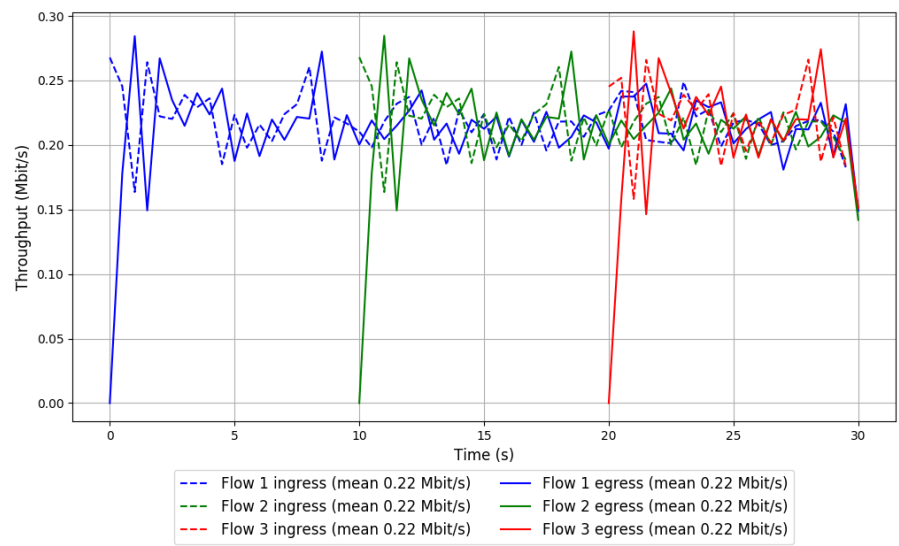


Run 4: Statistics of SReAM

Start at: 2018-07-25 09:30:40  
End at: 2018-07-25 09:31:10  
Local clock offset: -0.794 ms  
Remote clock offset: -22.606 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 126.999 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 125.629 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 125.693 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 127.422 ms  
Loss rate: 1.87%

Run 4: Report of SReAM — Data Link



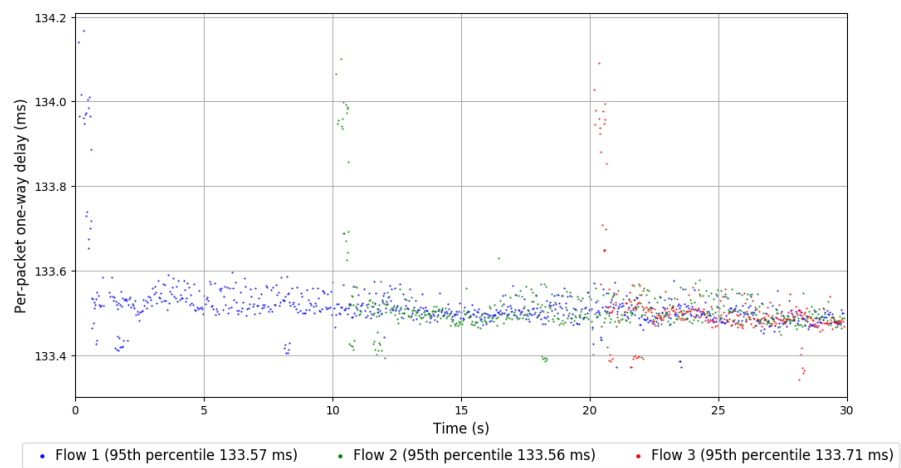
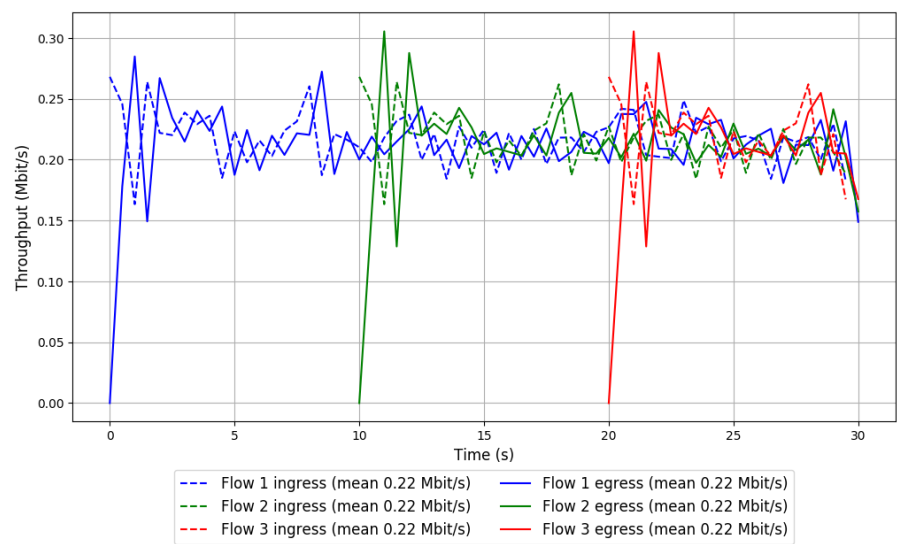
Run 5: Statistics of SReAM

Start at: 2018-07-25 10:06:26  
End at: 2018-07-25 10:06:56  
Local clock offset: -1.03 ms  
Remote clock offset: -31.47 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 133.571 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 133.570 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 133.565 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 133.708 ms  
Loss rate: 1.49%



Run 5: Report of SReAM — Data Link

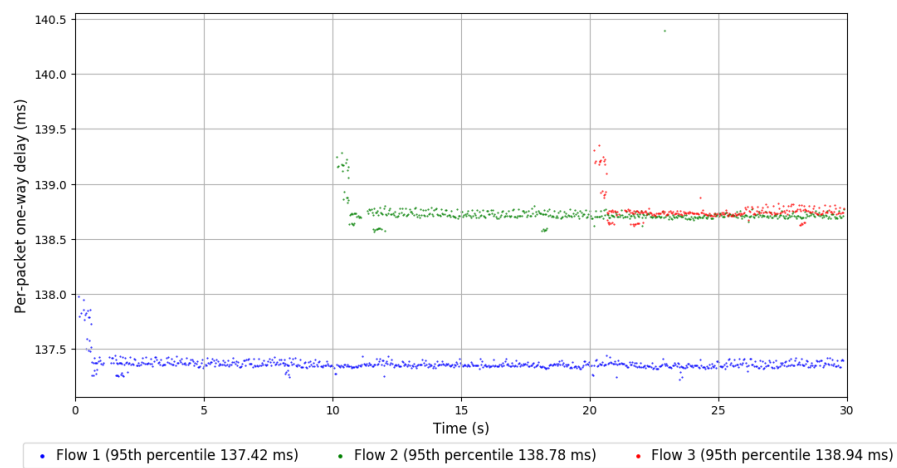
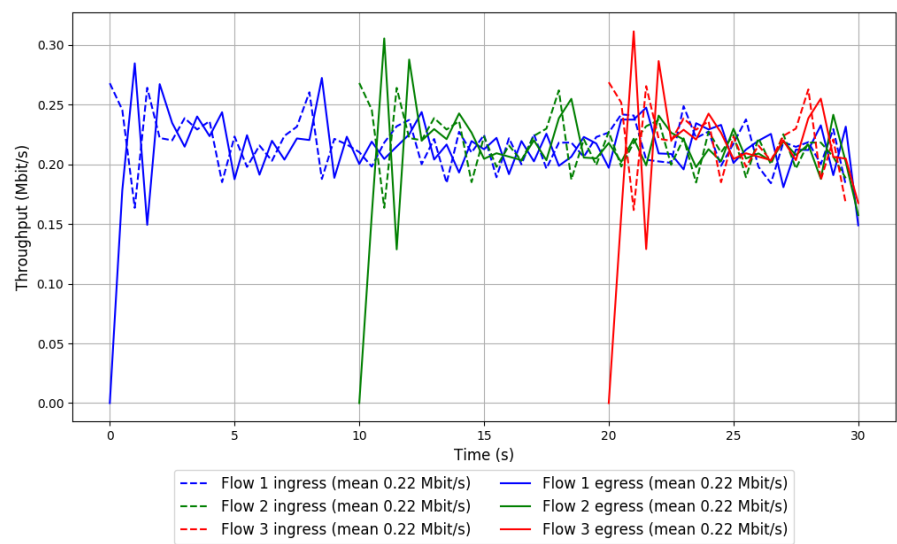


Run 6: Statistics of SReAM

Start at: 2018-07-25 10:40:33  
End at: 2018-07-25 10:41:03  
Local clock offset: 2.391 ms  
Remote clock offset: -34.643 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 138.777 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 137.420 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 138.780 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 138.938 ms  
Loss rate: 1.49%

Run 6: Report of SReAM — Data Link

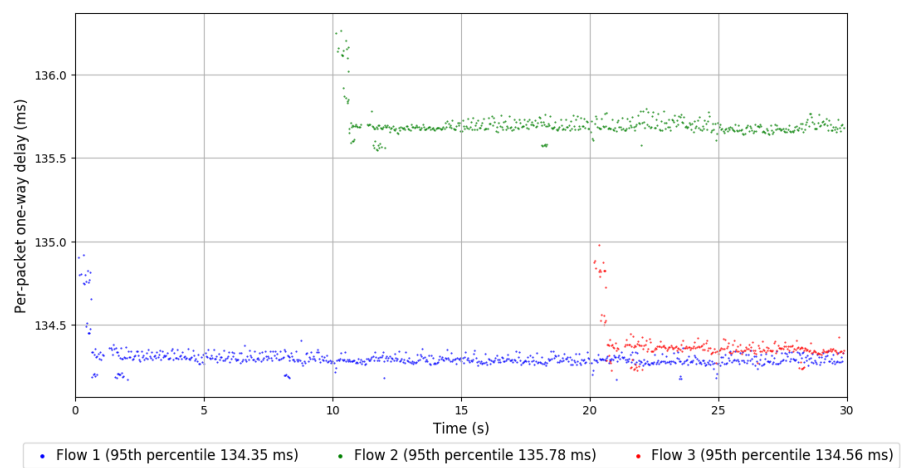
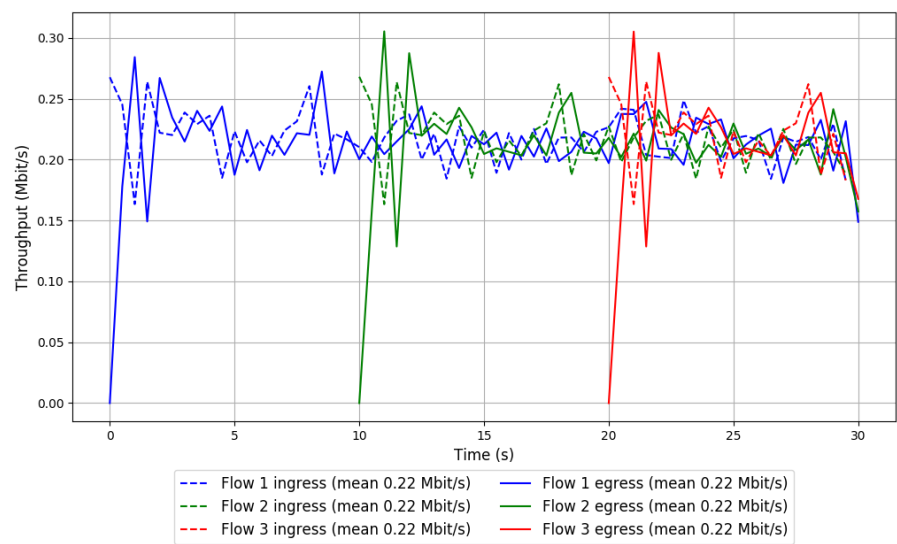


Run 7: Statistics of SReAM

Start at: 2018-07-25 11:05:12  
End at: 2018-07-25 11:05:42  
Local clock offset: -0.209 ms  
Remote clock offset: -34.953 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 135.730 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 134.350 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.777 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 134.559 ms  
Loss rate: 1.84%

Run 7: Report of SReAM — Data Link

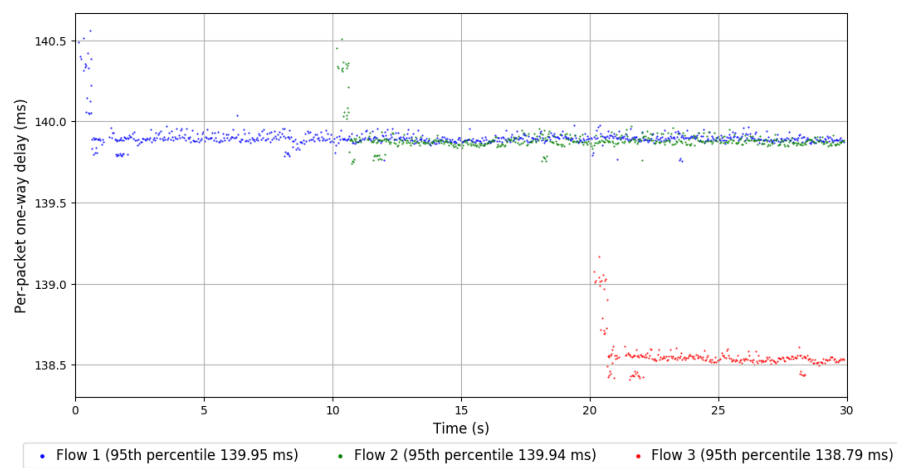
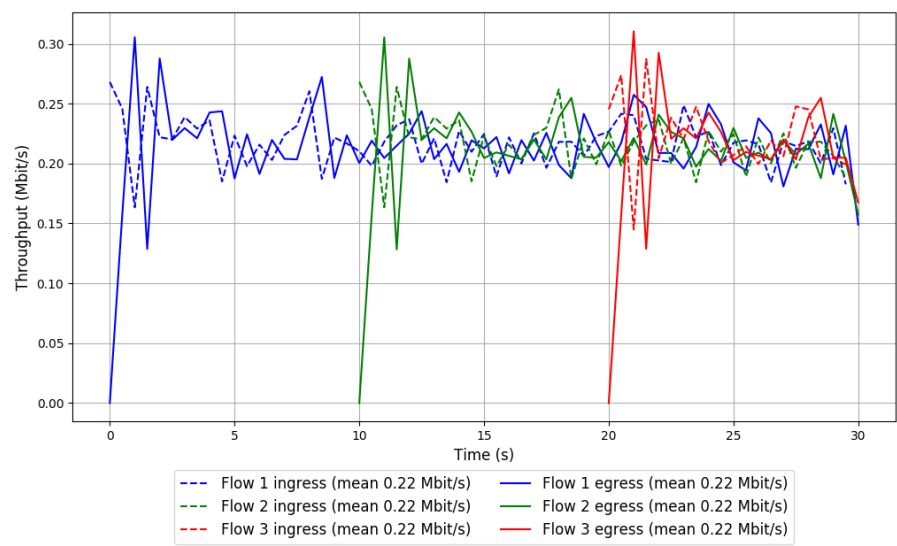


Run 8: Statistics of SReAM

Start at: 2018-07-25 11:35:15  
End at: 2018-07-25 11:35:45  
Local clock offset: 2.657 ms  
Remote clock offset: -36.365 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 139.945 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 139.951 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 139.942 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 138.788 ms  
Loss rate: 1.83%

Run 8: Report of SReAM — Data Link



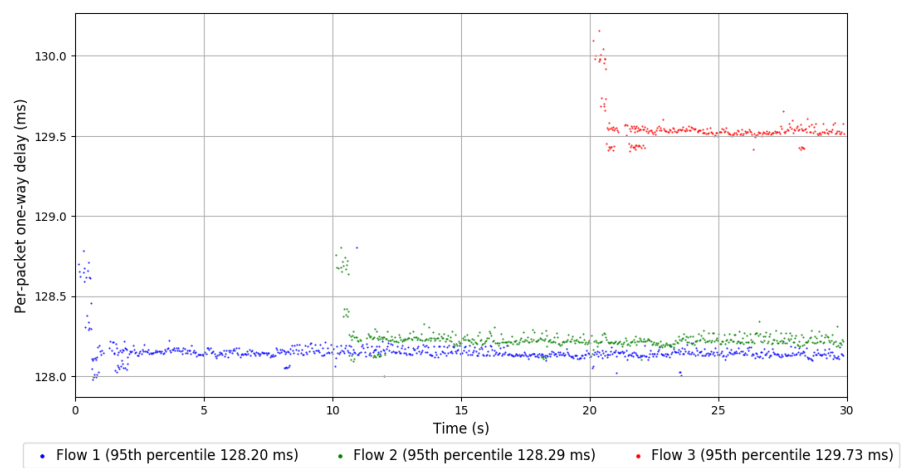
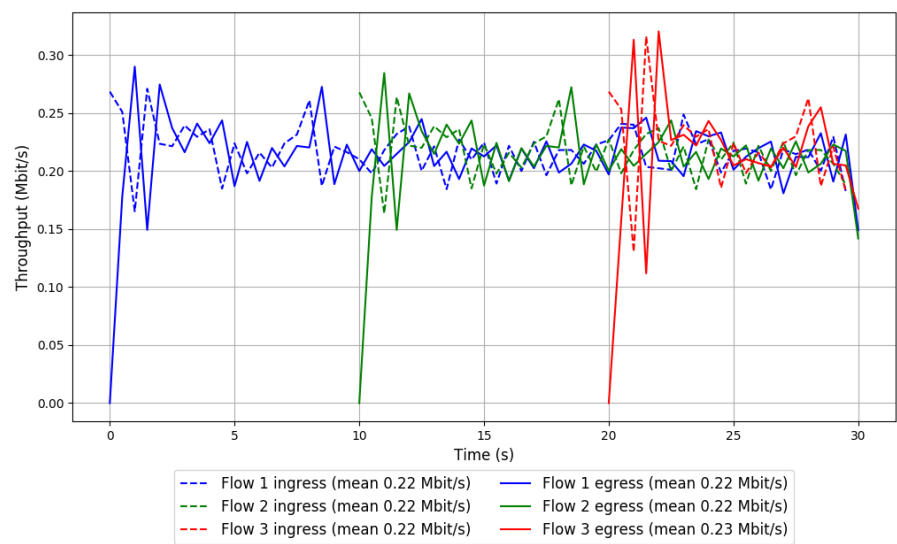
Run 9: Statistics of SReAM

Start at: 2018-07-25 12:16:57  
End at: 2018-07-25 12:17:27  
Local clock offset: -1.581 ms  
Remote clock offset: -30.654 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 129.543 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.198 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 128.286 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.23 Mbit/s  
95th percentile per-packet one-way delay: 129.734 ms  
Loss rate: 1.82%



Run 9: Report of SReAM — Data Link

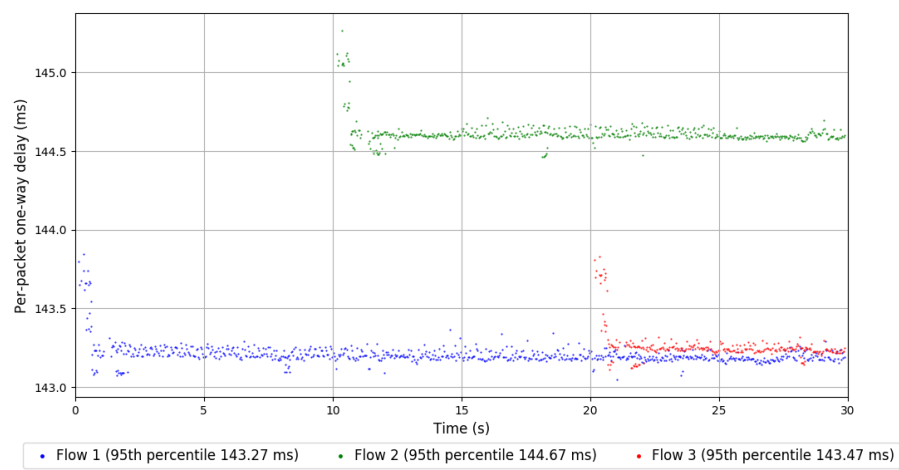
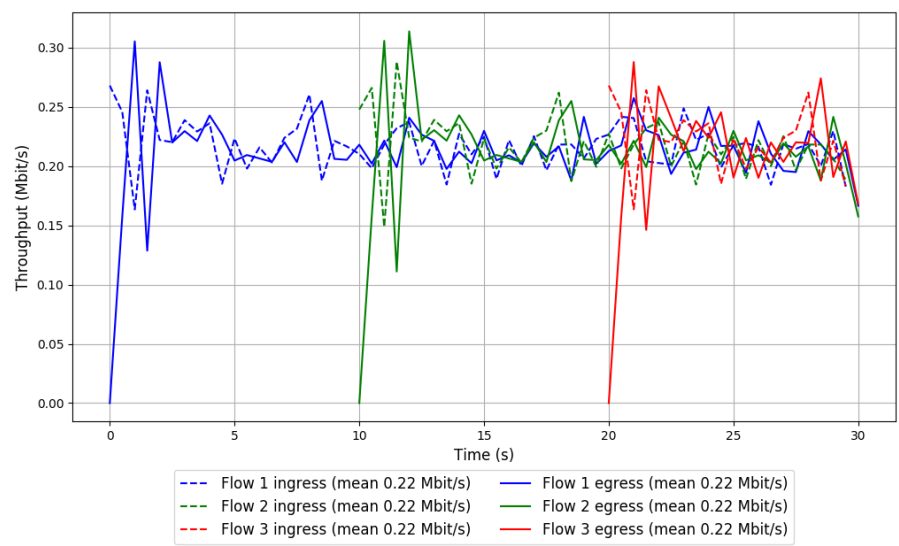


Run 10: Statistics of SReAM

Start at: 2018-07-25 12:47:14  
End at: 2018-07-25 12:47:44  
Local clock offset: 3.217 ms  
Remote clock offset: -41.279 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 144.640 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 143.271 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 144.670 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 143.467 ms  
Loss rate: 1.84%

Run 10: Report of SReAM — Data Link

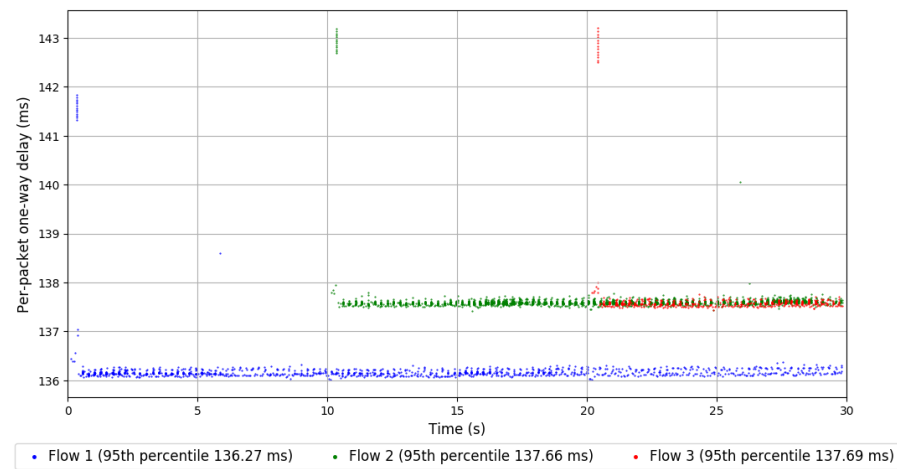
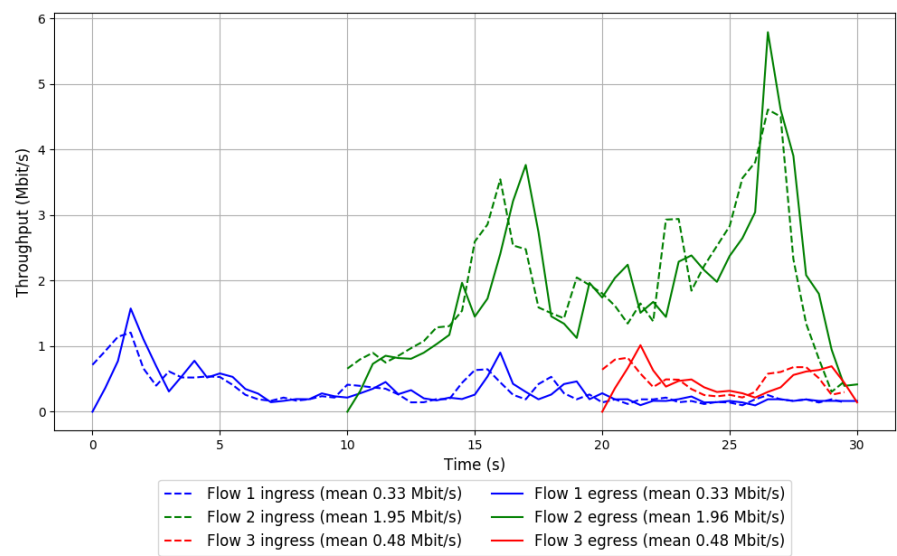


Run 1: Statistics of Sprout

Start at: 2018-07-25 07:53:35  
End at: 2018-07-25 07:54:05  
Local clock offset: -1.921 ms  
Remote clock offset: -34.648 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1.79 Mbit/s  
95th percentile per-packet one-way delay: 137.652 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 136.267 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 1.96 Mbit/s  
95th percentile per-packet one-way delay: 137.656 ms  
Loss rate: 0.27%  
-- Flow 3:  
Average throughput: 0.48 Mbit/s  
95th percentile per-packet one-way delay: 137.687 ms  
Loss rate: 1.71%

Run 1: Report of Sprout — Data Link

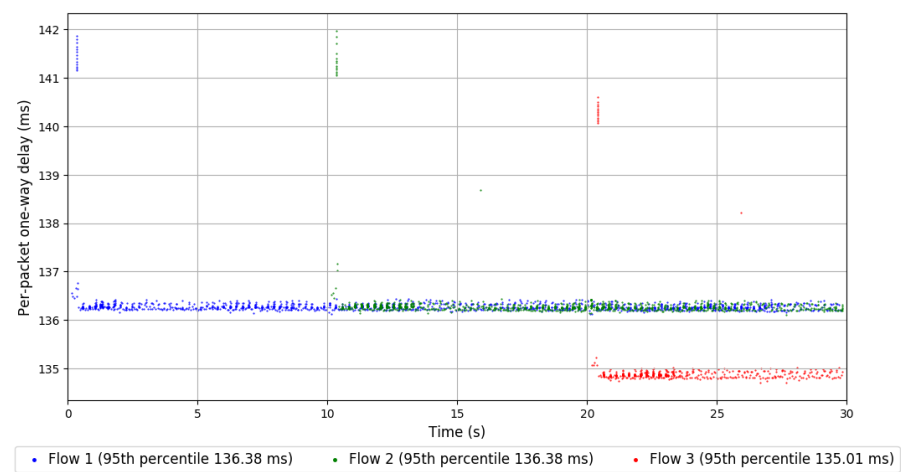
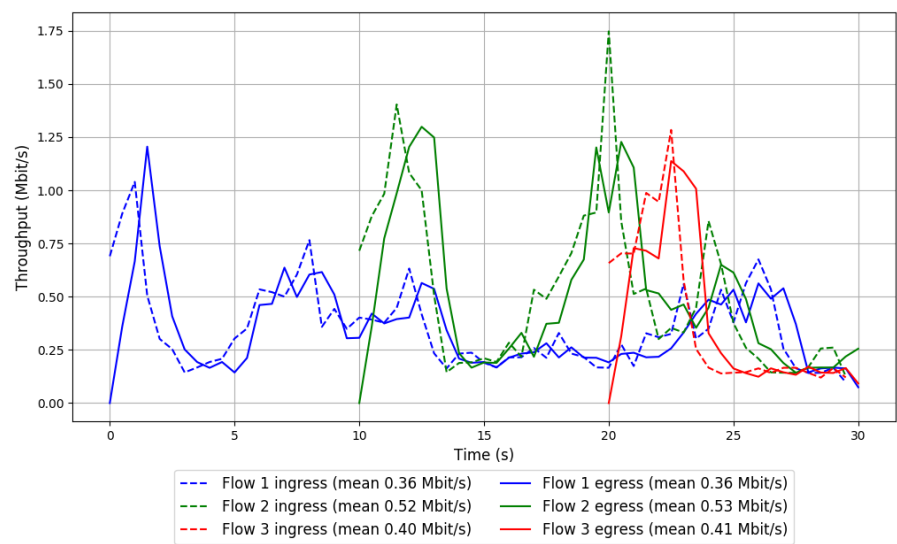


## Run 2: Statistics of Sprout

Start at: 2018-07-25 08:23:32  
End at: 2018-07-25 08:24:02  
Local clock offset: -0.168 ms  
Remote clock offset: -29.405 ms

```
# Below is generated by plot.py at 2018-07-25 13:42:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 136.379 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.385 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 136.381 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 135.007 ms
Loss rate: 0.93%
```

Run 2: Report of Sprout — Data Link



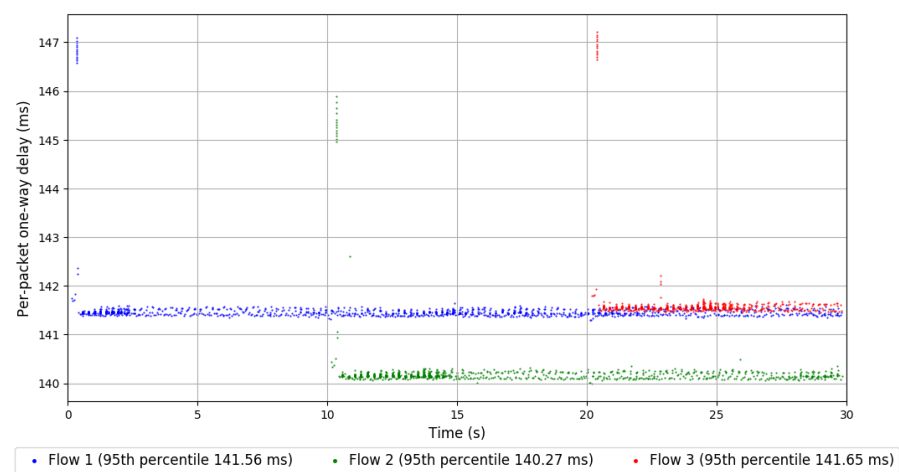
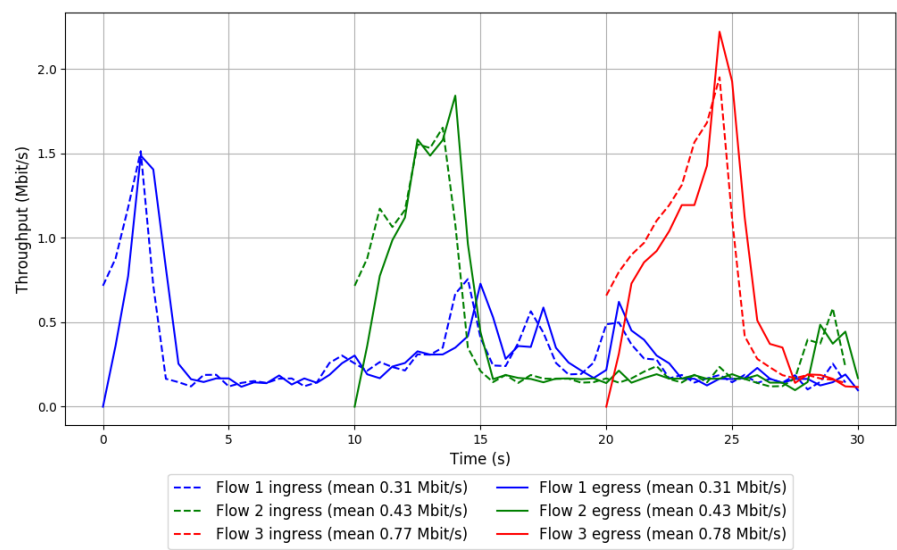
### Run 3: Statistics of Sprout

Start at: 2018-07-25 08:53:49  
End at: 2018-07-25 08:54:19  
Local clock offset: 1.663 ms  
Remote clock offset: -32.975 ms

```
# Below is generated by plot.py at 2018-07-25 13:42:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 141.604 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 141.558 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 140.271 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 141.648 ms
Loss rate: 0.61%
```



Run 3: Report of Sprout — Data Link

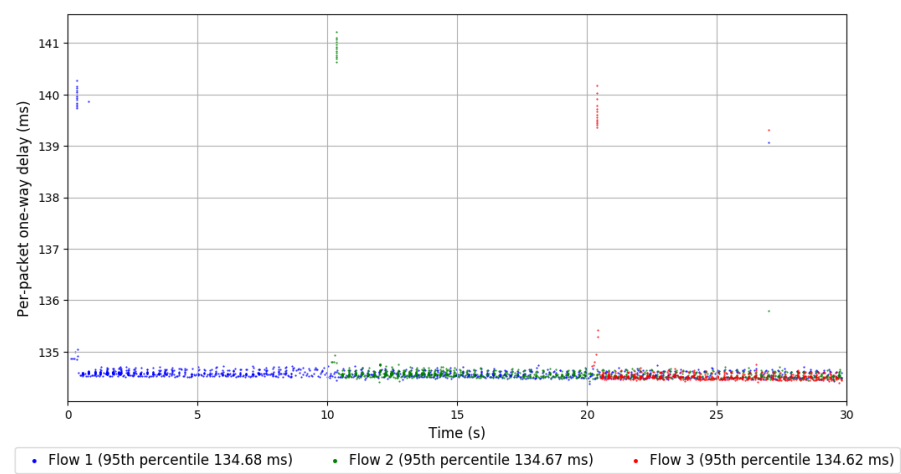
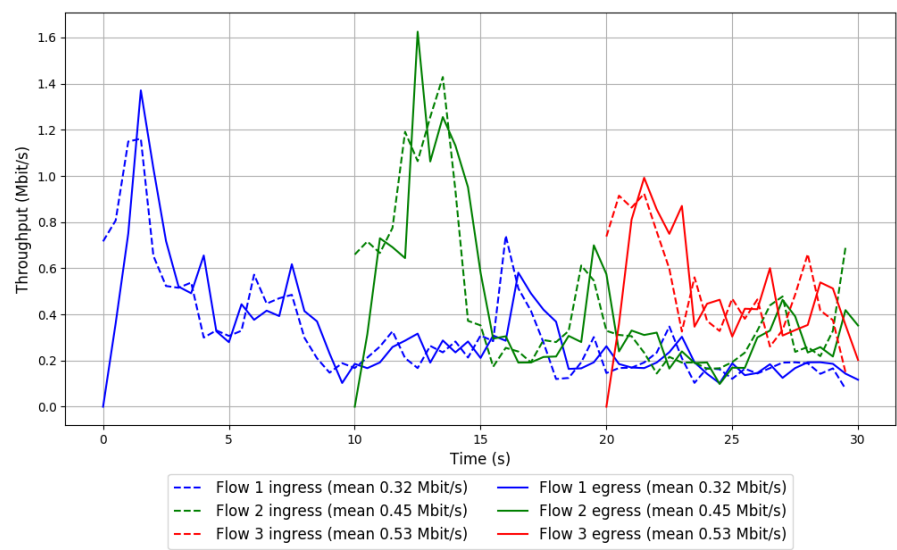


#### Run 4: Statistics of Sprout

Start at: 2018-07-25 09:29:24  
End at: 2018-07-25 09:29:54  
Local clock offset: -0.813 ms  
Remote clock offset: -30.164 ms

```
# Below is generated by plot.py at 2018-07-25 13:42:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 134.673 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 134.677 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 134.670 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 134.620 ms
Loss rate: 1.25%
```

Run 4: Report of Sprout — Data Link

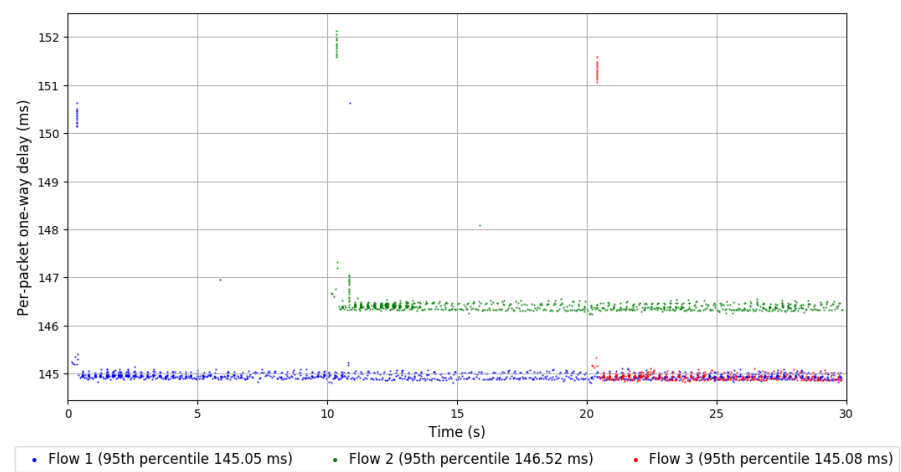
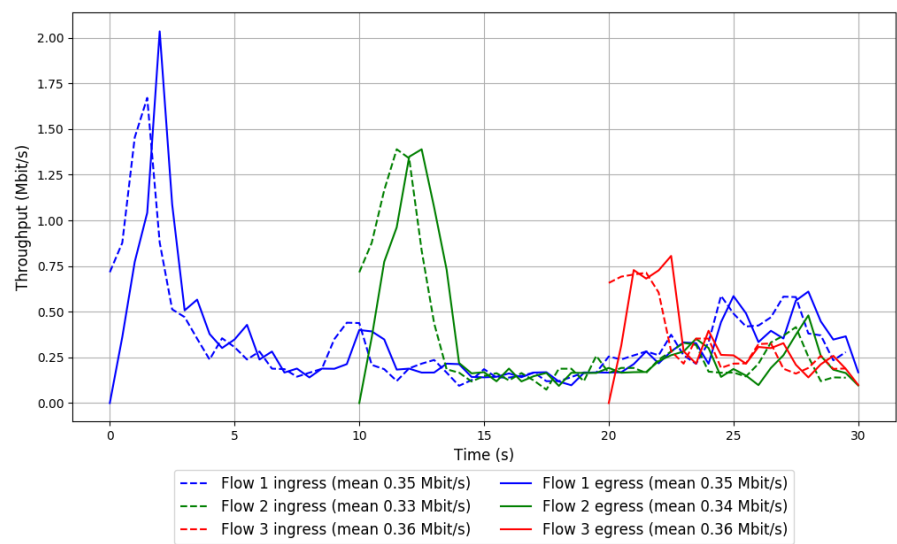


Run 5: Statistics of Sprout

Start at: 2018-07-25 10:05:10  
End at: 2018-07-25 10:05:40  
Local clock offset: 3.084 ms  
Remote clock offset: -40.193 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.69 Mbit/s  
95th percentile per-packet one-way delay: 146.475 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 145.054 ms  
Loss rate: 0.77%  
-- Flow 2:  
Average throughput: 0.34 Mbit/s  
95th percentile per-packet one-way delay: 146.522 ms  
Loss rate: 0.52%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 145.076 ms  
Loss rate: 1.35%

Run 5: Report of Sprout — Data Link

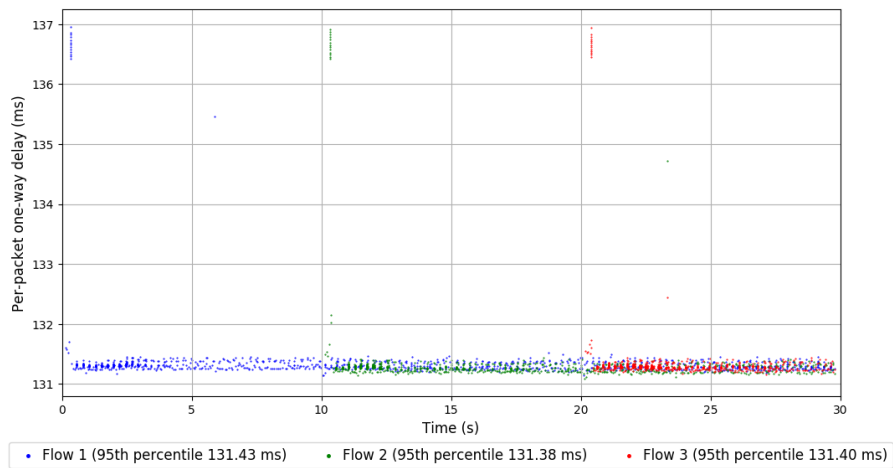
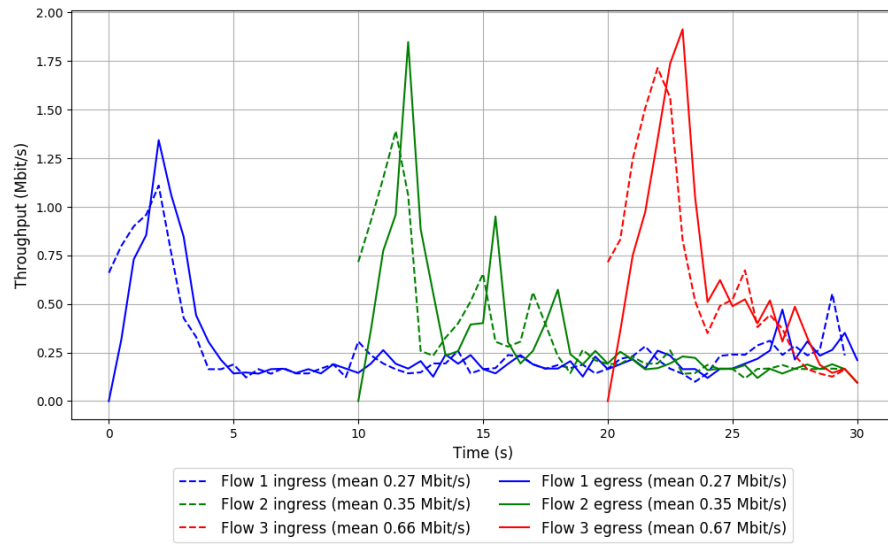


Run 6: Statistics of Sprout

Start at: 2018-07-25 10:39:18  
End at: 2018-07-25 10:39:48  
Local clock offset: -7.294 ms  
Remote clock offset: -38.28 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.72 Mbit/s  
95th percentile per-packet one-way delay: 131.413 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 131.430 ms  
Loss rate: 1.40%  
-- Flow 2:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 131.381 ms  
Loss rate: 0.68%  
-- Flow 3:  
Average throughput: 0.67 Mbit/s  
95th percentile per-packet one-way delay: 131.398 ms  
Loss rate: 0.54%

## Run 6: Report of Sprout — Data Link



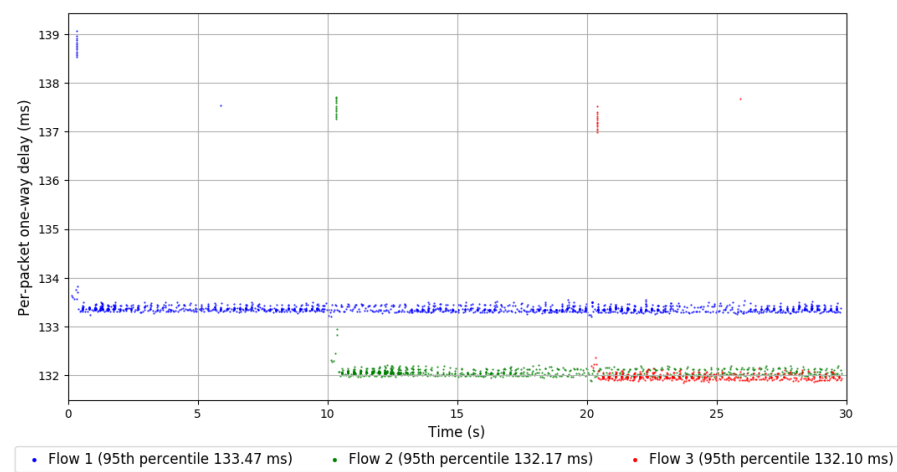
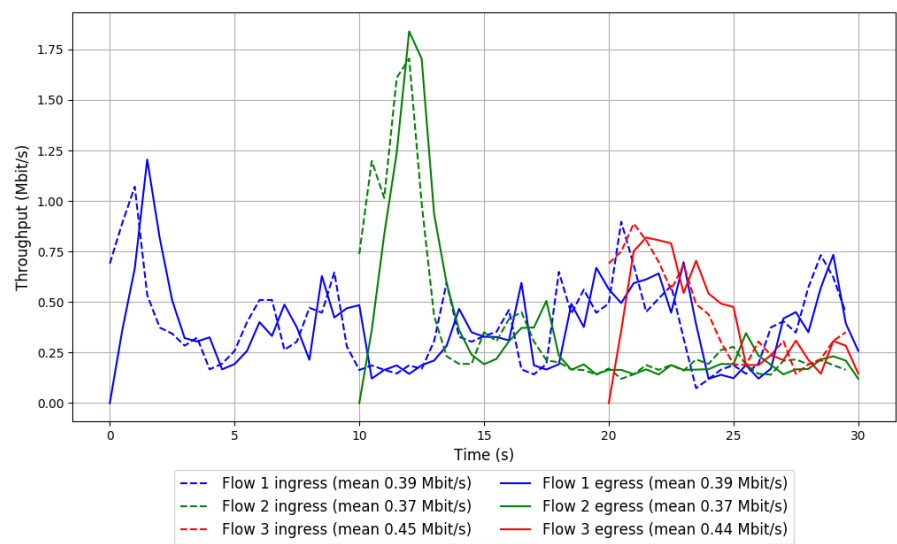
Run 7: Statistics of Sprout

Start at: 2018-07-25 11:03:56  
End at: 2018-07-25 11:04:26  
Local clock offset: -0.612 ms  
Remote clock offset: -33.049 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.78 Mbit/s  
95th percentile per-packet one-way delay: 133.451 ms  
Loss rate: 1.53%  
-- Flow 1:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 133.468 ms  
Loss rate: 1.78%  
-- Flow 2:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 132.171 ms  
Loss rate: 0.48%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 132.097 ms  
Loss rate: 2.64%



Run 7: Report of Sprout — Data Link

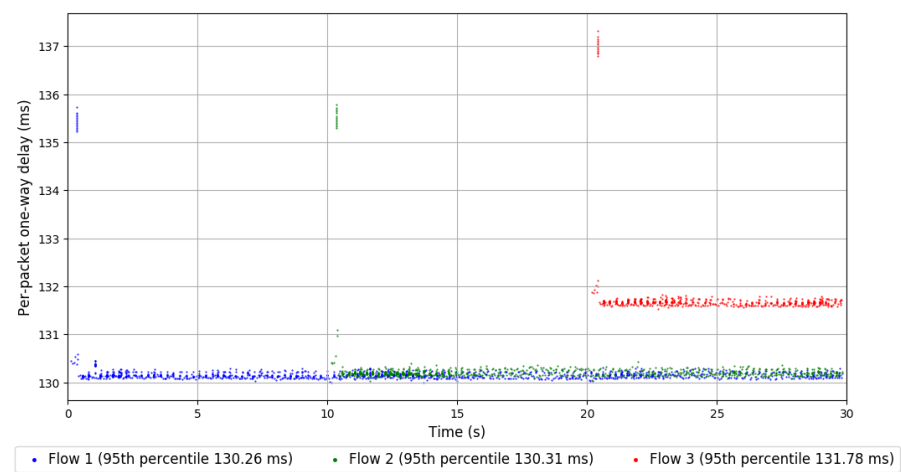
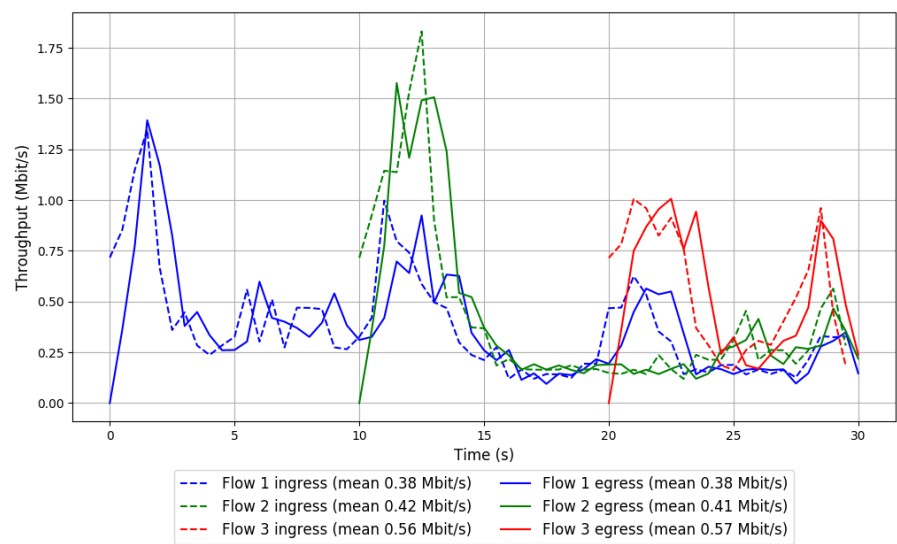


Run 8: Statistics of Sprout

Start at: 2018-07-25 11:34:00  
End at: 2018-07-25 11:34:30  
Local clock offset: 0.708 ms  
Remote clock offset: -30.064 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.84 Mbit/s  
95th percentile per-packet one-way delay: 131.705 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 130.260 ms  
Loss rate: 0.80%  
-- Flow 2:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 130.312 ms  
Loss rate: 1.67%  
-- Flow 3:  
Average throughput: 0.57 Mbit/s  
95th percentile per-packet one-way delay: 131.779 ms  
Loss rate: 0.64%

Run 8: Report of Sprout — Data Link

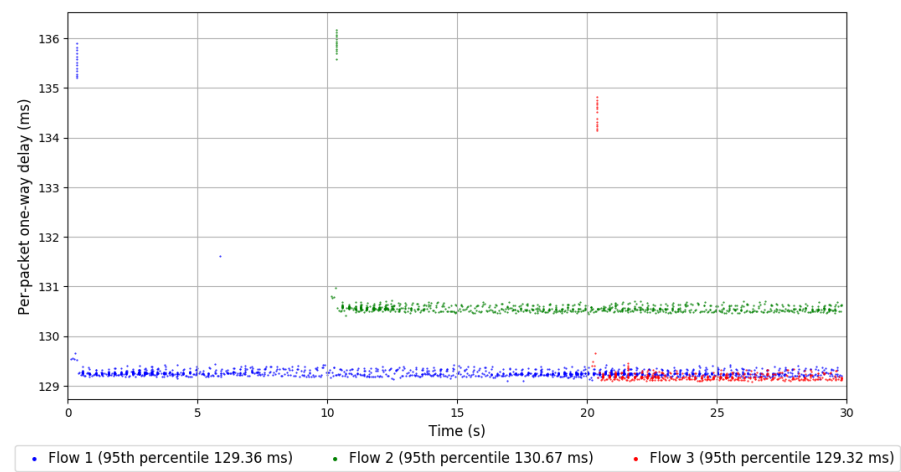
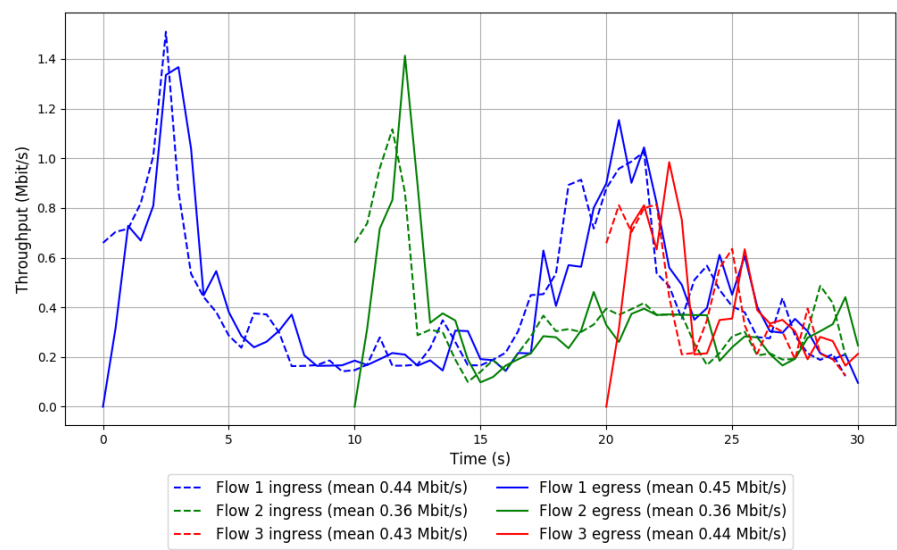


Run 9: Statistics of Sprout

Start at: 2018-07-25 12:15:43  
End at: 2018-07-25 12:16:13  
Local clock offset: 0.608 ms  
Remote clock offset: -29.516 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.83 Mbit/s  
95th percentile per-packet one-way delay: 130.627 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 129.363 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 130.667 ms  
Loss rate: 0.67%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 129.320 ms  
Loss rate: 0.07%

Run 9: Report of Sprout — Data Link

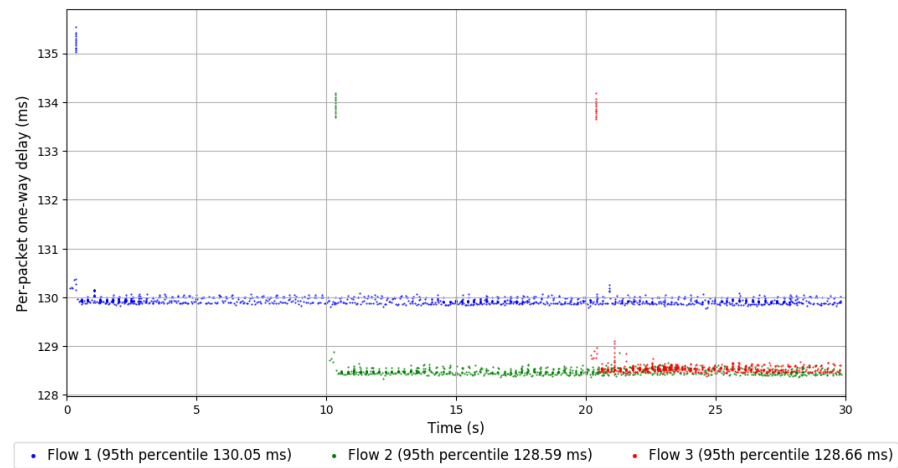
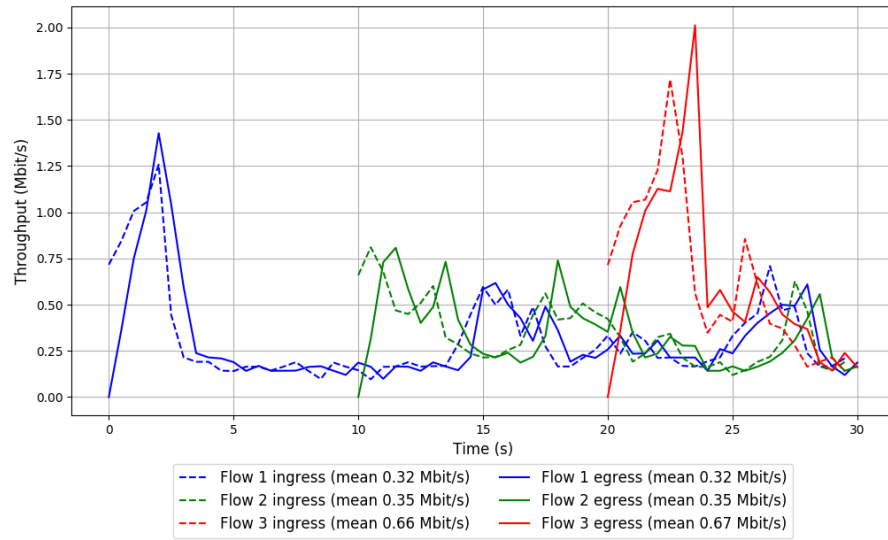


Run 10: Statistics of Sprout

Start at: 2018-07-25 12:45:57  
End at: 2018-07-25 12:46:27  
Local clock offset: 3.256 ms  
Remote clock offset: -26.501 ms

# Below is generated by plot.py at 2018-07-25 13:42:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.77 Mbit/s  
95th percentile per-packet one-way delay: 130.017 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 130.048 ms  
Loss rate: 0.61%  
-- Flow 2:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 128.593 ms  
Loss rate: 0.68%  
-- Flow 3:  
Average throughput: 0.67 Mbit/s  
95th percentile per-packet one-way delay: 128.659 ms  
Loss rate: 0.54%

## Run 10: Report of Sprout — Data Link



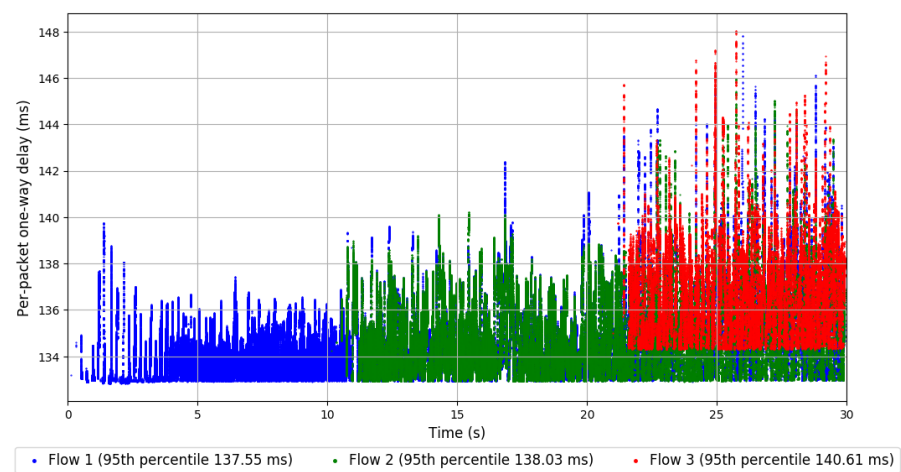
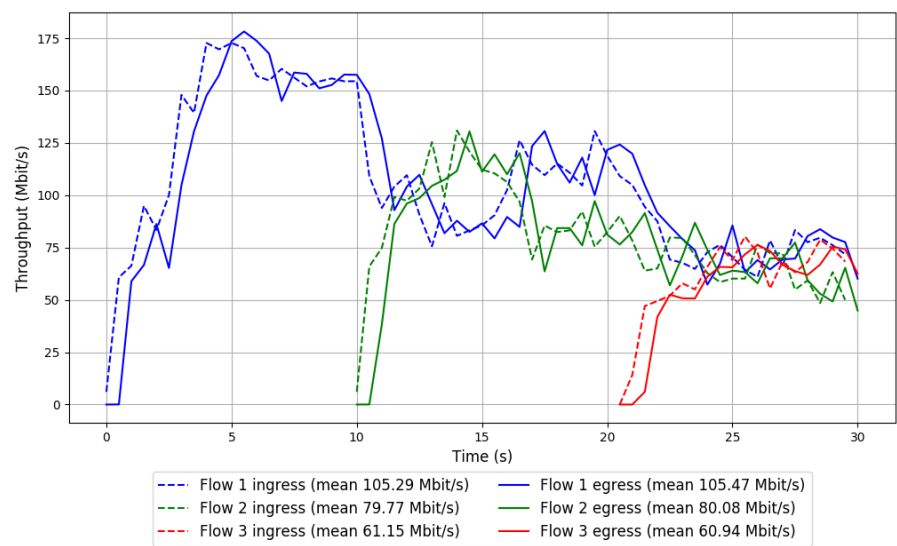
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 07:56:05  
End at: 2018-07-25 07:56:35  
Local clock offset: -1.609 ms  
Remote clock offset: -30.92 ms

# Below is generated by plot.py at 2018-07-25 13:45:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 176.87 Mbit/s  
95th percentile per-packet one-way delay: 138.345 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 105.47 Mbit/s  
95th percentile per-packet one-way delay: 137.553 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 80.08 Mbit/s  
95th percentile per-packet one-way delay: 138.034 ms  
Loss rate: 0.60%  
-- Flow 3:  
Average throughput: 60.94 Mbit/s  
95th percentile per-packet one-way delay: 140.613 ms  
Loss rate: 2.50%



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

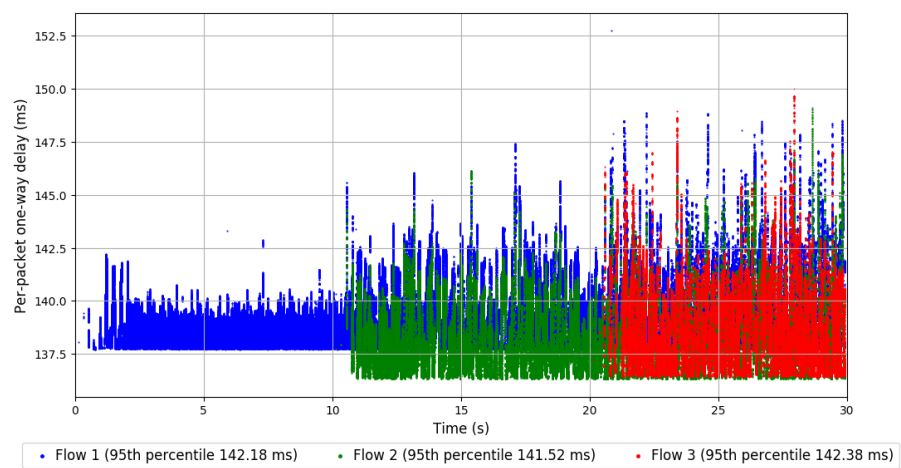
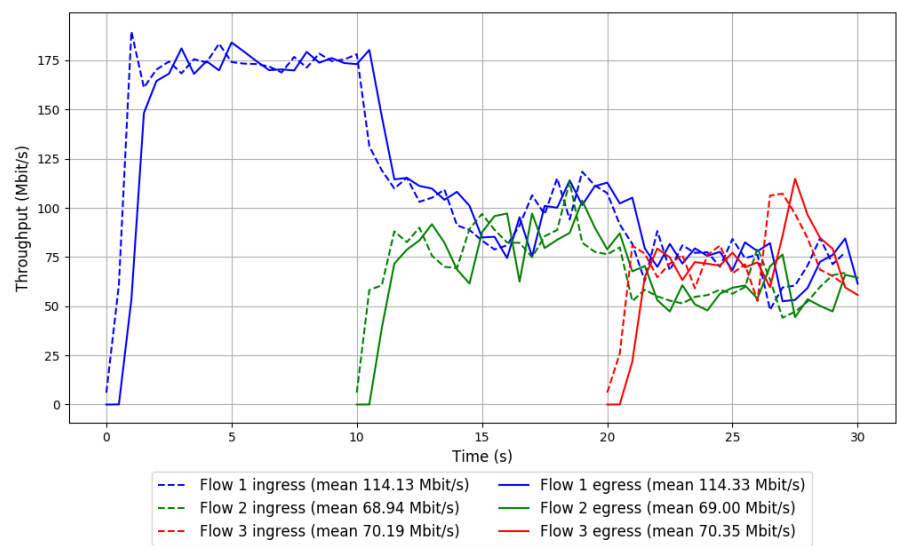


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 08:26:02  
End at: 2018-07-25 08:26:32  
Local clock offset: -0.715 ms  
Remote clock offset: -31.499 ms

# Below is generated by plot.py at 2018-07-25 13:45:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 183.18 Mbit/s  
95th percentile per-packet one-way delay: 142.086 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 114.33 Mbit/s  
95th percentile per-packet one-way delay: 142.184 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 69.00 Mbit/s  
95th percentile per-packet one-way delay: 141.522 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 70.35 Mbit/s  
95th percentile per-packet one-way delay: 142.378 ms  
Loss rate: 1.73%

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

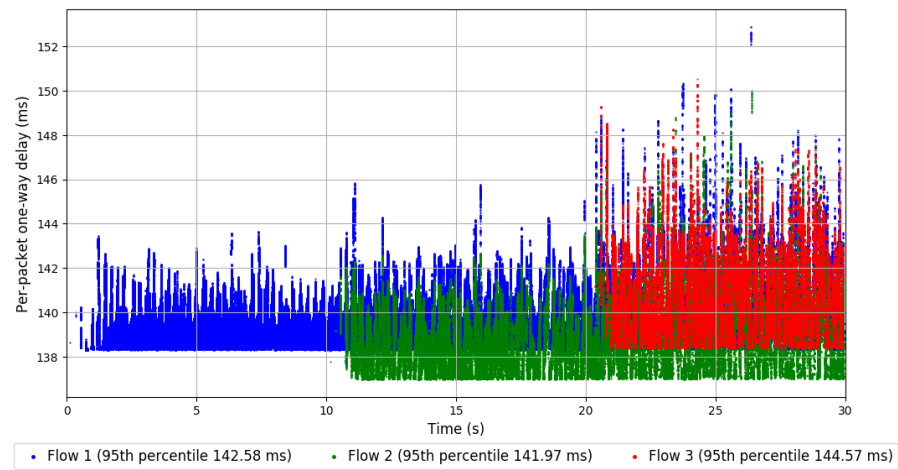
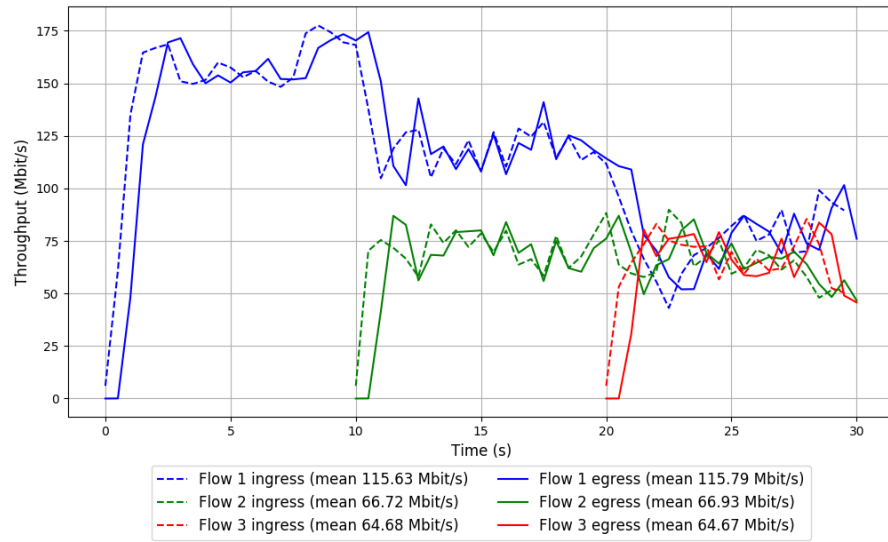


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 08:56:20  
End at: 2018-07-25 08:56:50  
Local clock offset: -0.412 ms  
Remote clock offset: -31.972 ms

# Below is generated by plot.py at 2018-07-25 13:45:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 181.34 Mbit/s  
95th percentile per-packet one-way delay: 142.880 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 115.79 Mbit/s  
95th percentile per-packet one-way delay: 142.577 ms  
Loss rate: 0.52%  
-- Flow 2:  
Average throughput: 66.93 Mbit/s  
95th percentile per-packet one-way delay: 141.967 ms  
Loss rate: 0.66%  
-- Flow 3:  
Average throughput: 64.67 Mbit/s  
95th percentile per-packet one-way delay: 144.570 ms  
Loss rate: 1.97%

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

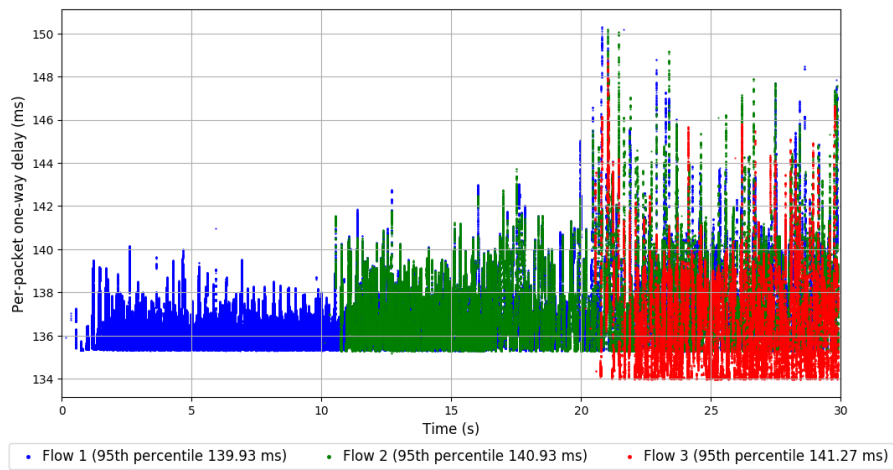
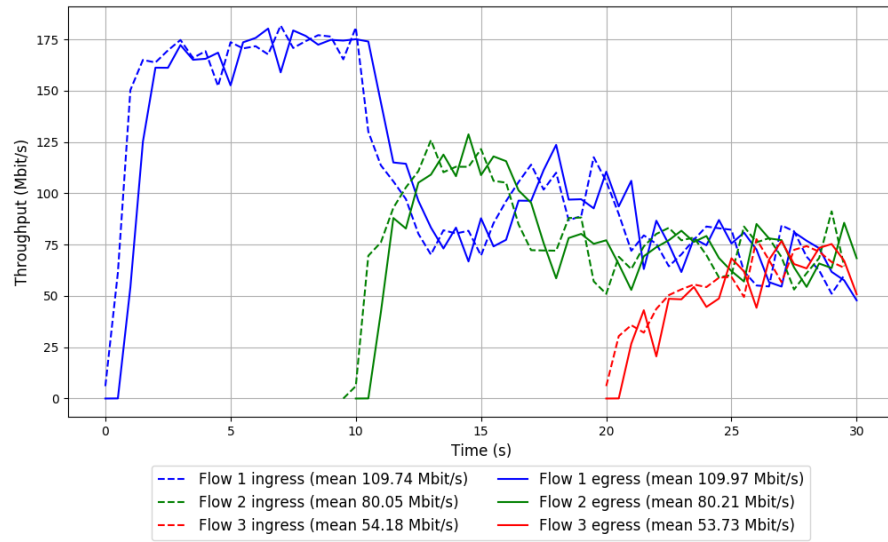


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 09:31:54  
End at: 2018-07-25 09:32:24  
Local clock offset: 1.003 ms  
Remote clock offset: -29.406 ms

# Below is generated by plot.py at 2018-07-25 13:45:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 180.87 Mbit/s  
95th percentile per-packet one-way delay: 140.371 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 109.97 Mbit/s  
95th percentile per-packet one-way delay: 139.934 ms  
Loss rate: 0.35%  
-- Flow 2:  
Average throughput: 80.21 Mbit/s  
95th percentile per-packet one-way delay: 140.930 ms  
Loss rate: 0.79%  
-- Flow 3:  
Average throughput: 53.73 Mbit/s  
95th percentile per-packet one-way delay: 141.269 ms  
Loss rate: 2.78%

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



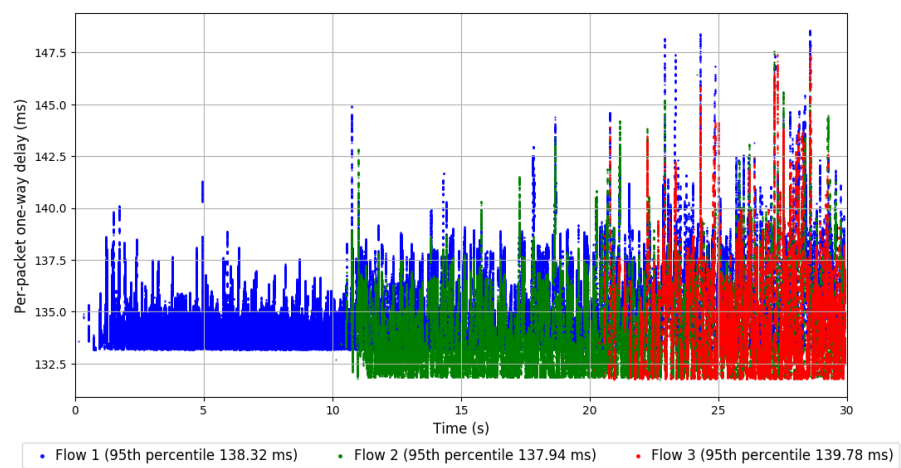
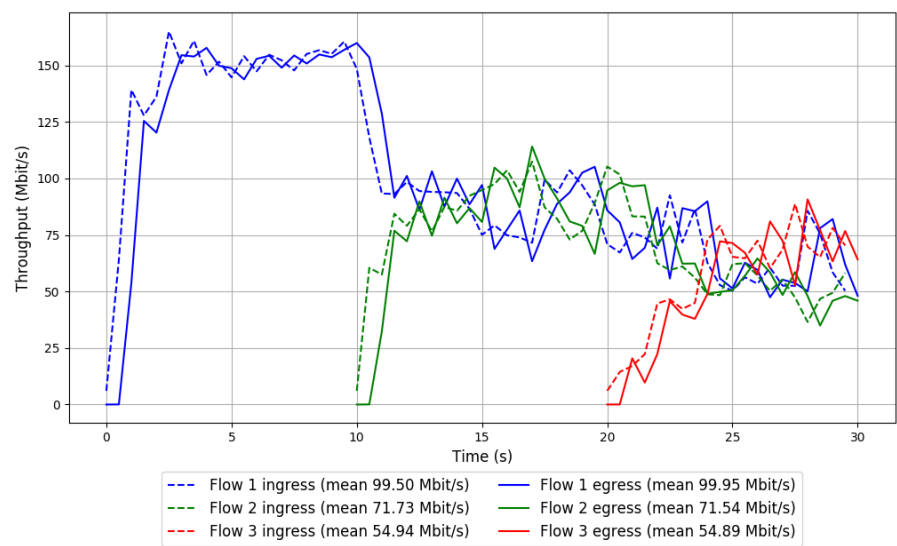
Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 10:07:41  
End at: 2018-07-25 10:08:11  
Local clock offset: 0.401 ms  
Remote clock offset: -29.887 ms

# Below is generated by plot.py at 2018-07-25 13:45:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 165.30 Mbit/s  
95th percentile per-packet one-way delay: 138.359 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 99.95 Mbit/s  
95th percentile per-packet one-way delay: 138.318 ms  
Loss rate: 0.34%  
-- Flow 2:  
Average throughput: 71.54 Mbit/s  
95th percentile per-packet one-way delay: 137.944 ms  
Loss rate: 1.00%  
-- Flow 3:  
Average throughput: 54.89 Mbit/s  
95th percentile per-packet one-way delay: 139.778 ms  
Loss rate: 2.06%



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

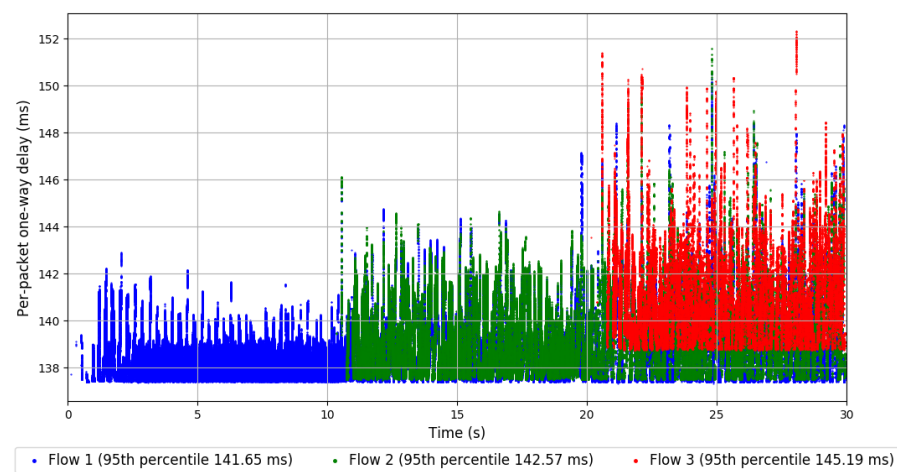
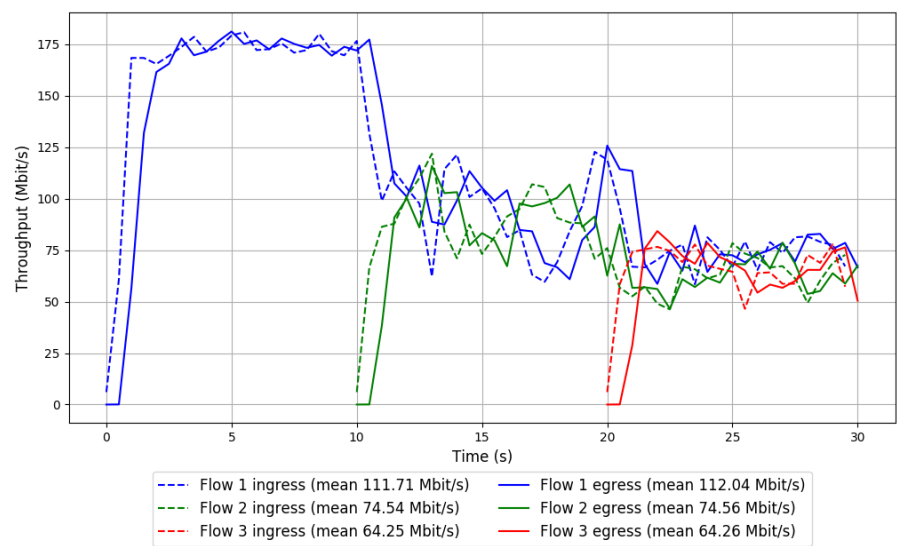


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 10:41:48  
End at: 2018-07-25 10:42:18  
Local clock offset: 0.726 ms  
Remote clock offset: -36.58 ms

# Below is generated by plot.py at 2018-07-25 13:46:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 182.56 Mbit/s  
95th percentile per-packet one-way delay: 142.703 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 112.04 Mbit/s  
95th percentile per-packet one-way delay: 141.654 ms  
Loss rate: 0.35%  
-- Flow 2:  
Average throughput: 74.56 Mbit/s  
95th percentile per-packet one-way delay: 142.573 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 64.26 Mbit/s  
95th percentile per-packet one-way delay: 145.193 ms  
Loss rate: 1.95%

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

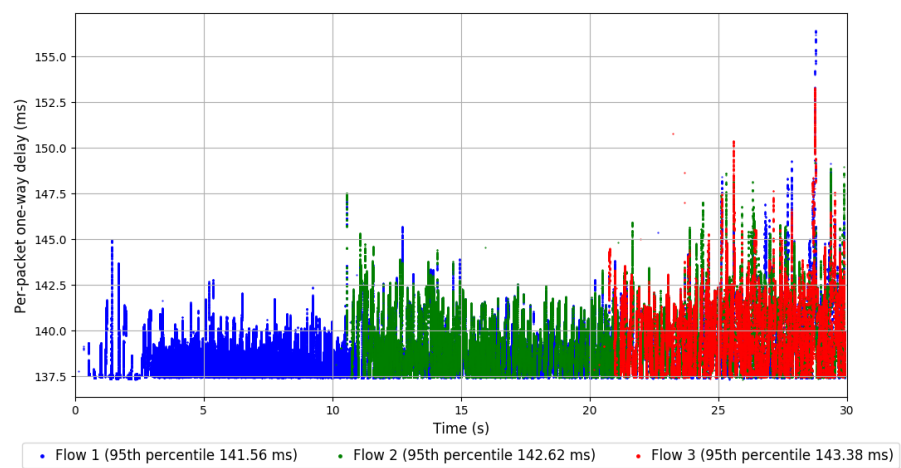
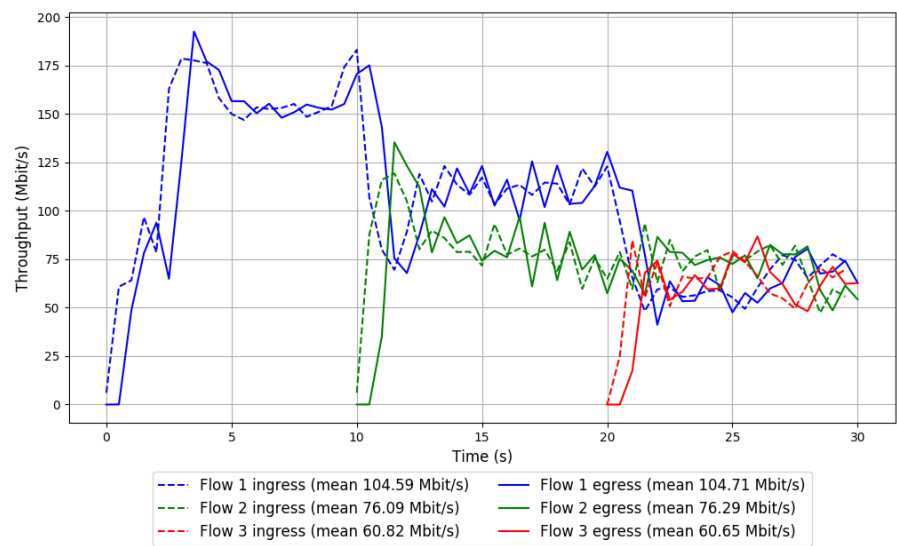


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 11:06:26  
End at: 2018-07-25 11:06:56  
Local clock offset: 0.544 ms  
Remote clock offset: -36.103 ms

# Below is generated by plot.py at 2018-07-25 13:46:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 175.20 Mbit/s  
95th percentile per-packet one-way delay: 142.204 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 104.71 Mbit/s  
95th percentile per-packet one-way delay: 141.562 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 76.29 Mbit/s  
95th percentile per-packet one-way delay: 142.621 ms  
Loss rate: 0.71%  
-- Flow 3:  
Average throughput: 60.65 Mbit/s  
95th percentile per-packet one-way delay: 143.381 ms  
Loss rate: 2.21%

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

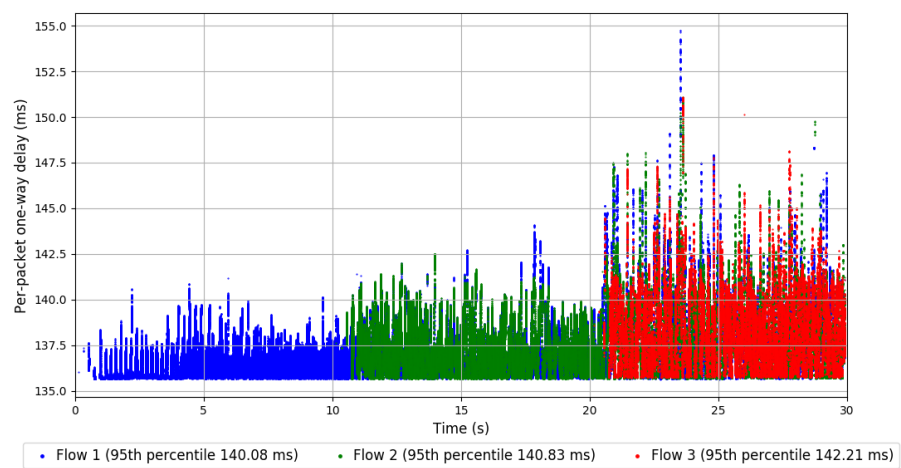
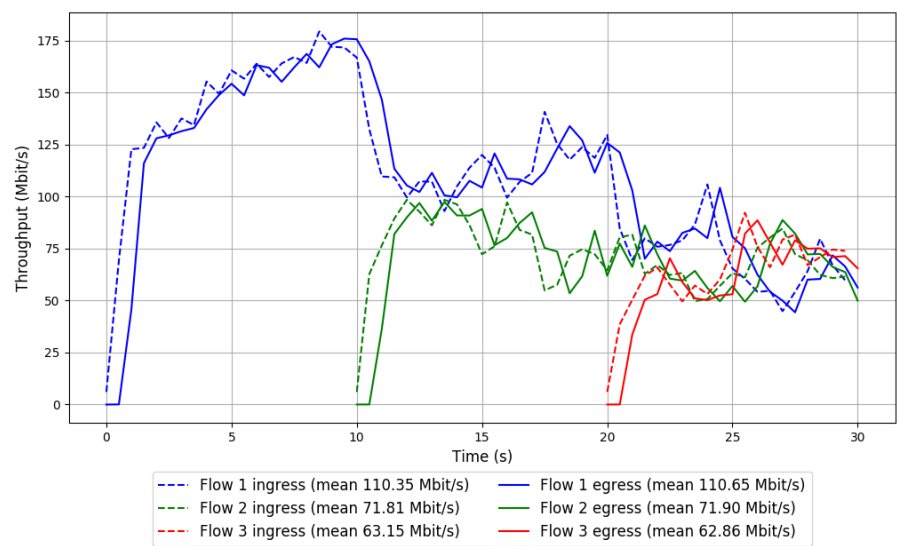


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 11:36:30  
End at: 2018-07-25 11:37:00  
Local clock offset: 0.68 ms  
Remote clock offset: -34.21 ms

# Below is generated by plot.py at 2018-07-25 13:46:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 178.96 Mbit/s  
95th percentile per-packet one-way delay: 140.712 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 110.65 Mbit/s  
95th percentile per-packet one-way delay: 140.083 ms  
Loss rate: 0.37%  
-- Flow 2:  
Average throughput: 71.90 Mbit/s  
95th percentile per-packet one-way delay: 140.834 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 62.86 Mbit/s  
95th percentile per-packet one-way delay: 142.209 ms  
Loss rate: 2.44%

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



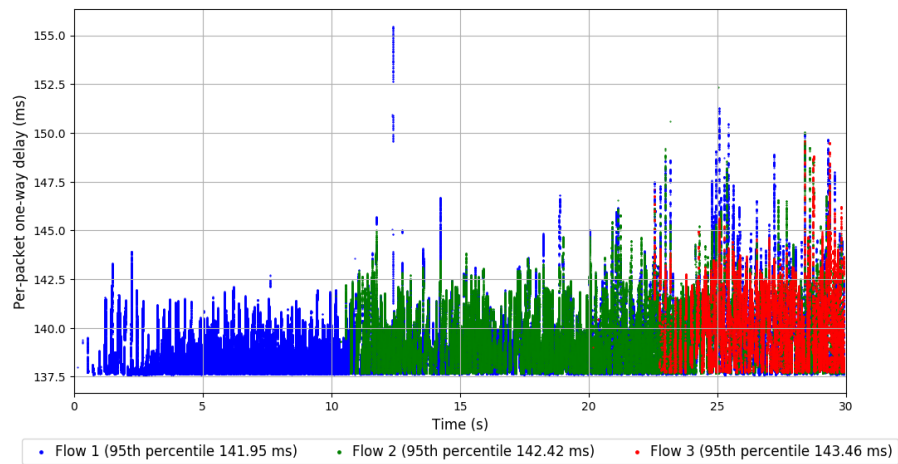
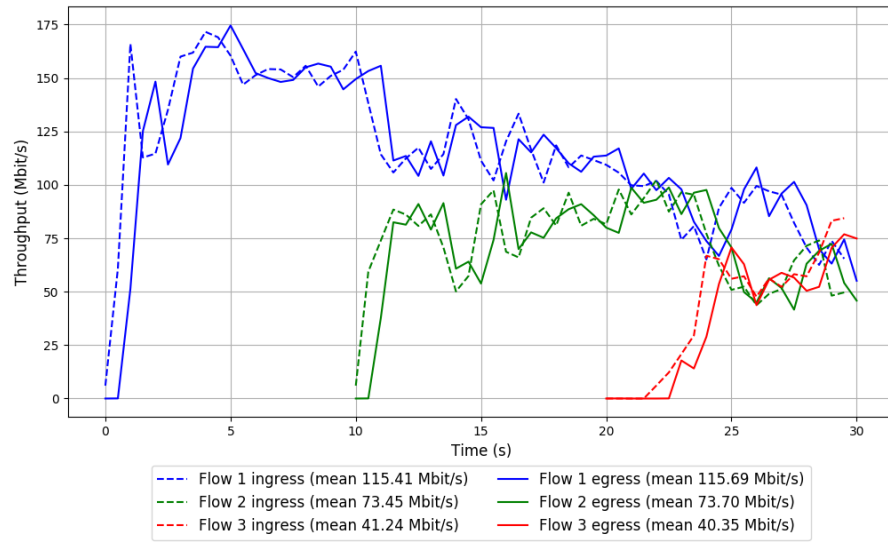
Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 12:18:12  
End at: 2018-07-25 12:18:42  
Local clock offset: 0.764 ms  
Remote clock offset: -37.93 ms

# Below is generated by plot.py at 2018-07-25 13:48:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 177.82 Mbit/s  
95th percentile per-packet one-way delay: 142.346 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 115.69 Mbit/s  
95th percentile per-packet one-way delay: 141.946 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 73.70 Mbit/s  
95th percentile per-packet one-way delay: 142.422 ms  
Loss rate: 0.68%  
-- Flow 3:  
Average throughput: 40.35 Mbit/s  
95th percentile per-packet one-way delay: 143.464 ms  
Loss rate: 4.09%



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

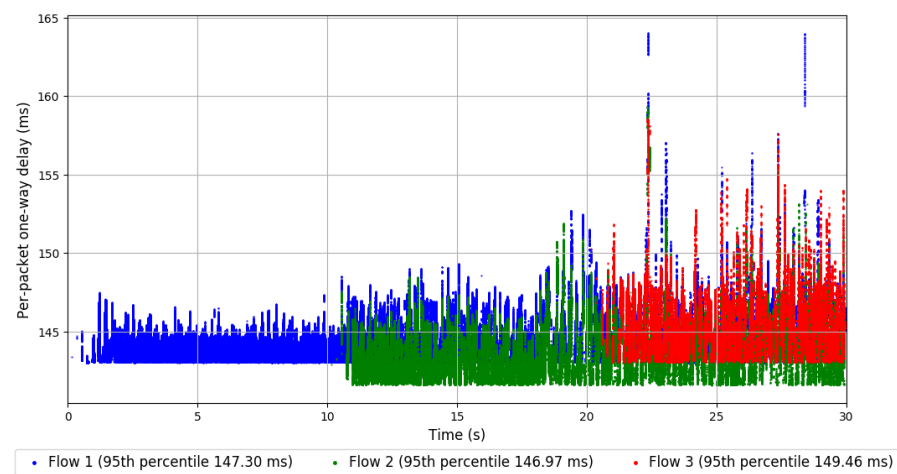
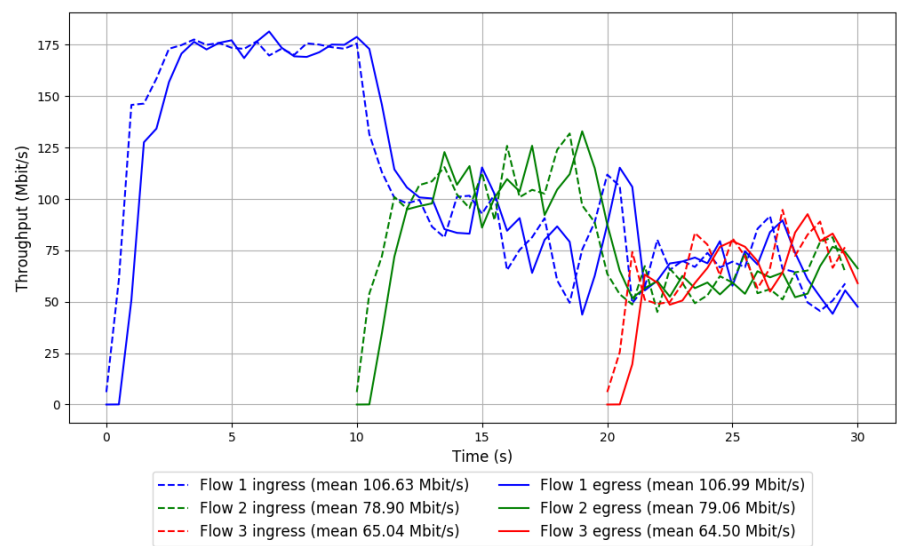


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 12:48:28  
End at: 2018-07-25 12:48:58  
Local clock offset: 1.447 ms  
Remote clock offset: -41.623 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 180.59 Mbit/s  
95th percentile per-packet one-way delay: 147.643 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 106.99 Mbit/s  
95th percentile per-packet one-way delay: 147.301 ms  
Loss rate: 0.32%  
-- Flow 2:  
Average throughput: 79.06 Mbit/s  
95th percentile per-packet one-way delay: 146.969 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 64.50 Mbit/s  
95th percentile per-packet one-way delay: 149.459 ms  
Loss rate: 2.86%

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

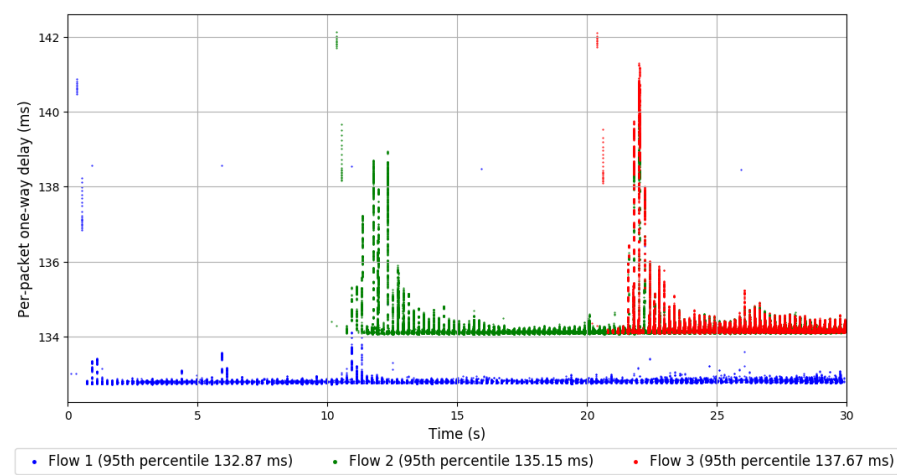
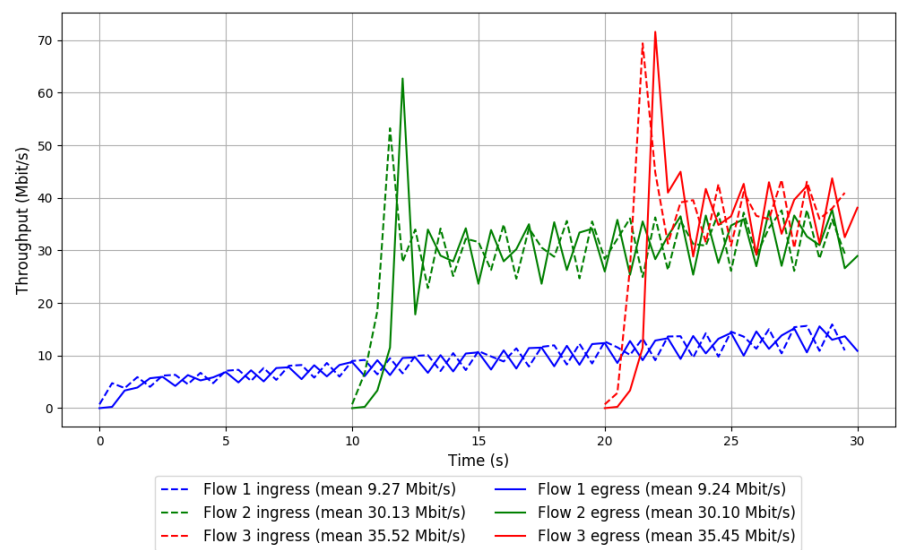


Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 07:46:21  
End at: 2018-07-25 07:46:51  
Local clock offset: -0.434 ms  
Remote clock offset: -30.451 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 40.80 Mbit/s  
95th percentile per-packet one-way delay: 135.108 ms  
Loss rate: 1.35%  
-- Flow 1:  
Average throughput: 9.24 Mbit/s  
95th percentile per-packet one-way delay: 132.869 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 30.10 Mbit/s  
95th percentile per-packet one-way delay: 135.148 ms  
Loss rate: 1.07%  
-- Flow 3:  
Average throughput: 35.45 Mbit/s  
95th percentile per-packet one-way delay: 137.667 ms  
Loss rate: 2.12%

Run 1: Report of TCP Vegas — Data Link

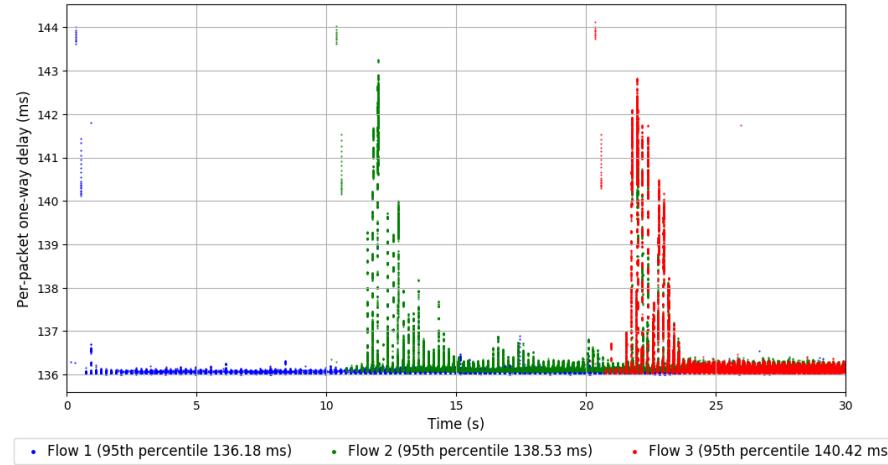
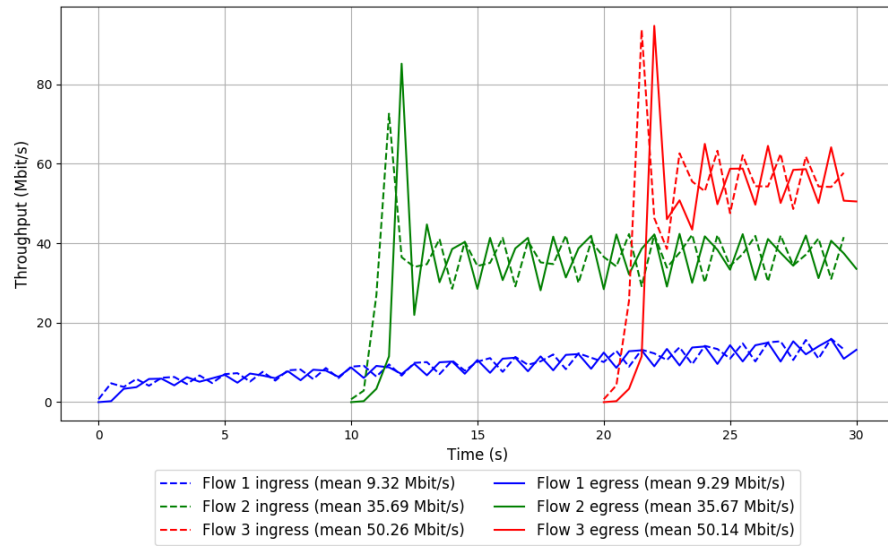


Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 08:16:18  
End at: 2018-07-25 08:16:48  
Local clock offset: 1.528 ms  
Remote clock offset: -28.91 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 49.36 Mbit/s  
95th percentile per-packet one-way delay: 138.781 ms  
Loss rate: 1.39%  
-- Flow 1:  
Average throughput: 9.29 Mbit/s  
95th percentile per-packet one-way delay: 136.176 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 35.67 Mbit/s  
95th percentile per-packet one-way delay: 138.534 ms  
Loss rate: 1.00%  
-- Flow 3:  
Average throughput: 50.14 Mbit/s  
95th percentile per-packet one-way delay: 140.416 ms  
Loss rate: 2.16%

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



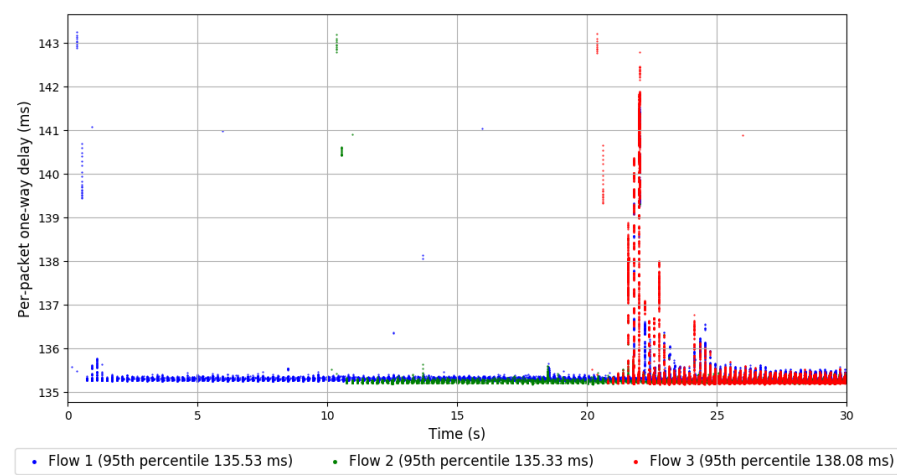
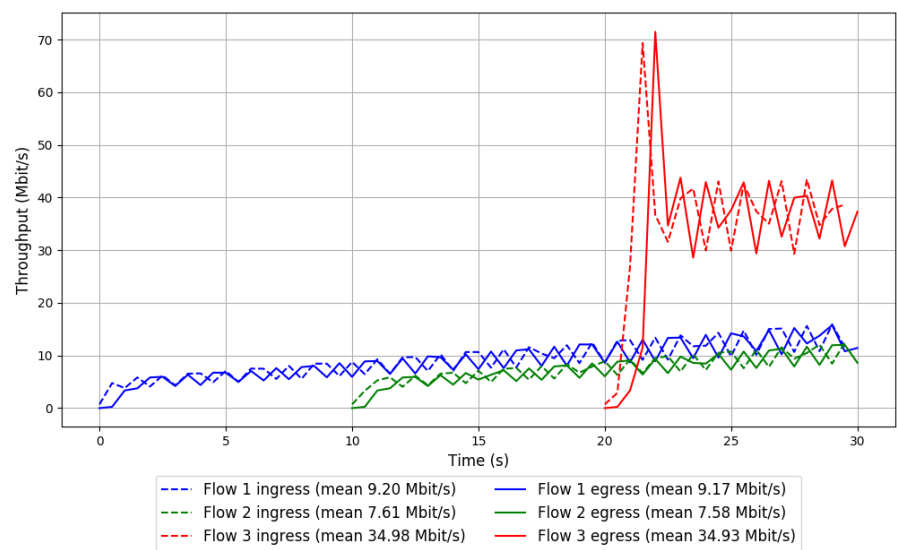
Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 08:46:48  
End at: 2018-07-25 08:47:18  
Local clock offset: -1.575 ms  
Remote clock offset: -30.047 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 25.62 Mbit/s  
95th percentile per-packet one-way delay: 136.277 ms  
Loss rate: 1.56%  
-- Flow 1:  
Average throughput: 9.17 Mbit/s  
95th percentile per-packet one-way delay: 135.527 ms  
Loss rate: 0.99%  
-- Flow 2:  
Average throughput: 7.58 Mbit/s  
95th percentile per-packet one-way delay: 135.328 ms  
Loss rate: 1.39%  
-- Flow 3:  
Average throughput: 34.93 Mbit/s  
95th percentile per-packet one-way delay: 138.078 ms  
Loss rate: 2.08%



Run 3: Report of TCP Vegas — Data Link

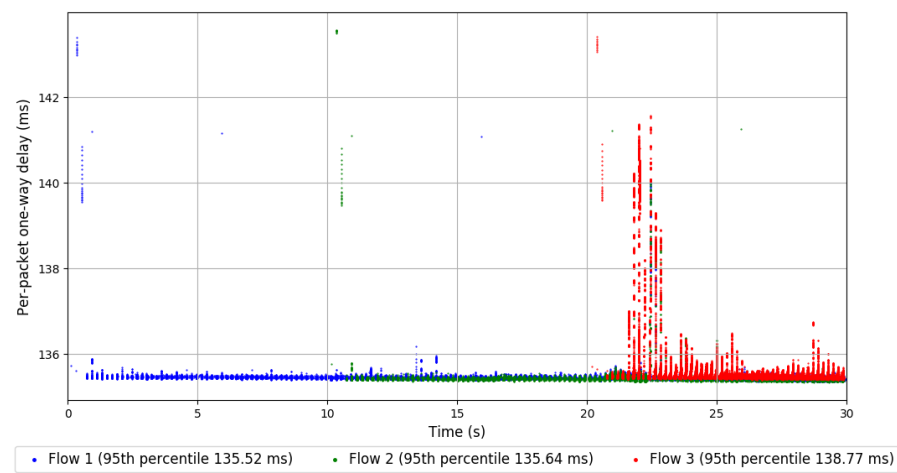
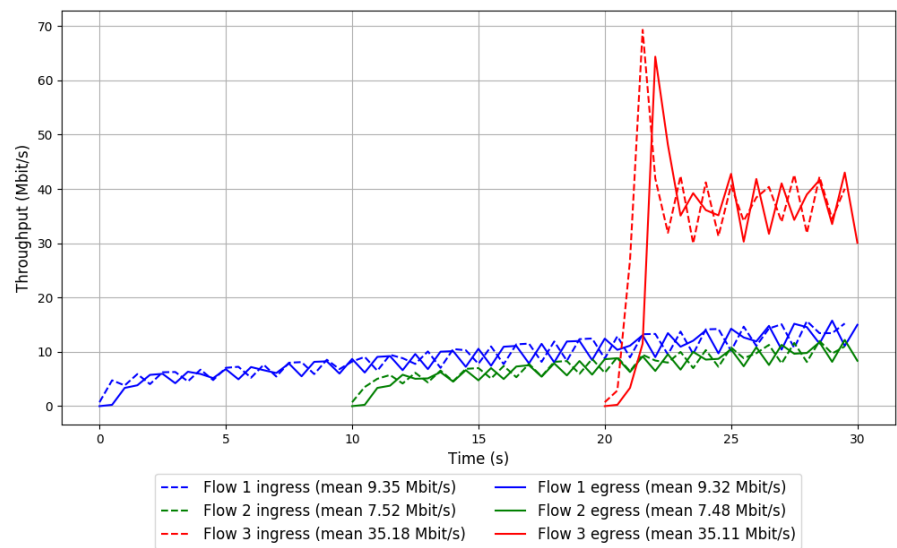


Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 09:22:20  
End at: 2018-07-25 09:22:50  
Local clock offset: 0.252 ms  
Remote clock offset: -30.641 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 25.74 Mbit/s  
95th percentile per-packet one-way delay: 136.556 ms  
Loss rate: 1.58%  
-- Flow 1:  
Average throughput: 9.32 Mbit/s  
95th percentile per-packet one-way delay: 135.518 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 7.48 Mbit/s  
95th percentile per-packet one-way delay: 135.639 ms  
Loss rate: 1.39%  
-- Flow 3:  
Average throughput: 35.11 Mbit/s  
95th percentile per-packet one-way delay: 138.767 ms  
Loss rate: 2.14%

Run 4: Report of TCP Vegas — Data Link

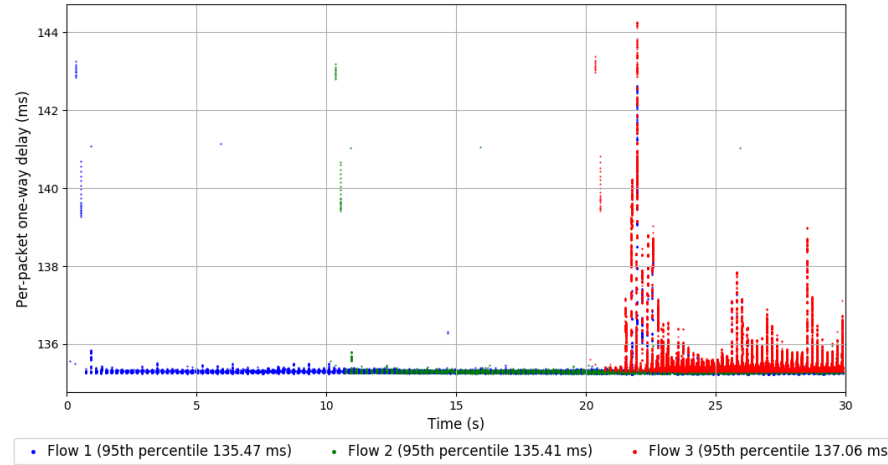
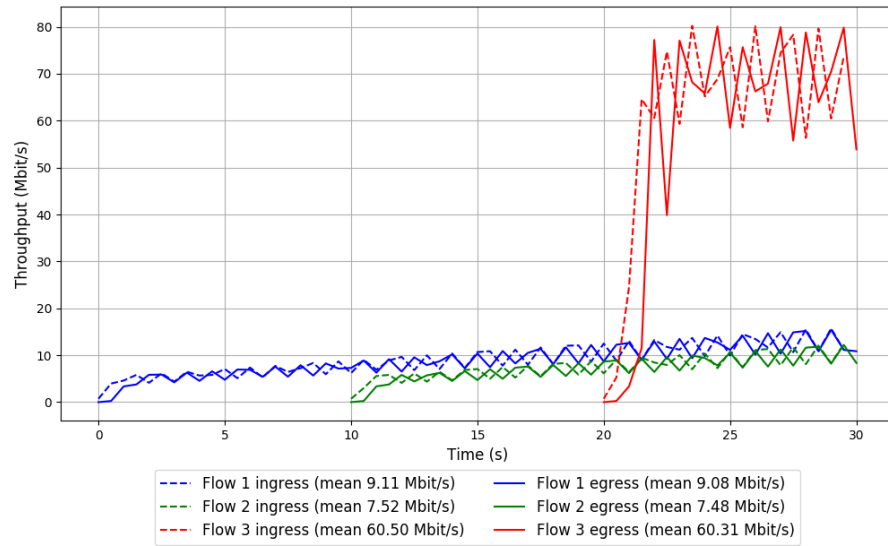


Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 09:58:12  
End at: 2018-07-25 09:58:42  
Local clock offset: 1.461 ms  
Remote clock offset: -31.807 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 33.76 Mbit/s  
95th percentile per-packet one-way delay: 136.425 ms  
Loss rate: 1.78%  
-- Flow 1:  
Average throughput: 9.08 Mbit/s  
95th percentile per-packet one-way delay: 135.473 ms  
Loss rate: 0.99%  
-- Flow 2:  
Average throughput: 7.48 Mbit/s  
95th percentile per-packet one-way delay: 135.405 ms  
Loss rate: 1.39%  
-- Flow 3:  
Average throughput: 60.31 Mbit/s  
95th percentile per-packet one-way delay: 137.063 ms  
Loss rate: 2.24%

# Run 5: Report of TCP Vegas — Data Link

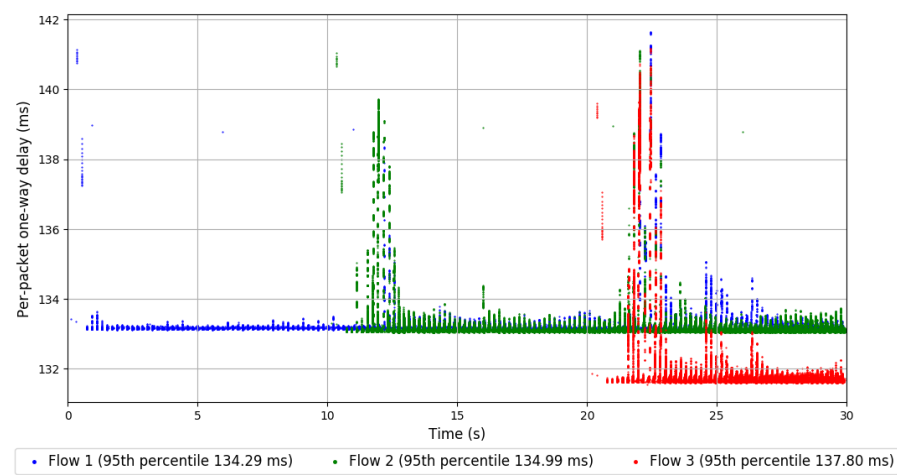
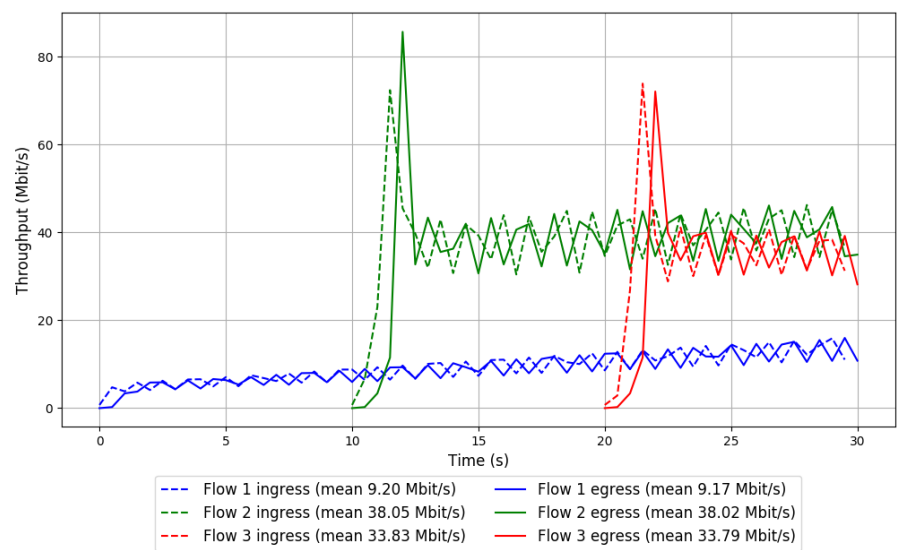


Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 10:32:11  
End at: 2018-07-25 10:32:41  
Local clock offset: -2.314 ms  
Remote clock offset: -33.616 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 45.45 Mbit/s  
95th percentile per-packet one-way delay: 135.827 ms  
Loss rate: 1.28%  
-- Flow 1:  
Average throughput: 9.17 Mbit/s  
95th percentile per-packet one-way delay: 134.292 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 38.02 Mbit/s  
95th percentile per-packet one-way delay: 134.993 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 33.79 Mbit/s  
95th percentile per-packet one-way delay: 137.804 ms  
Loss rate: 2.07%

Run 6: Report of TCP Vegas — Data Link



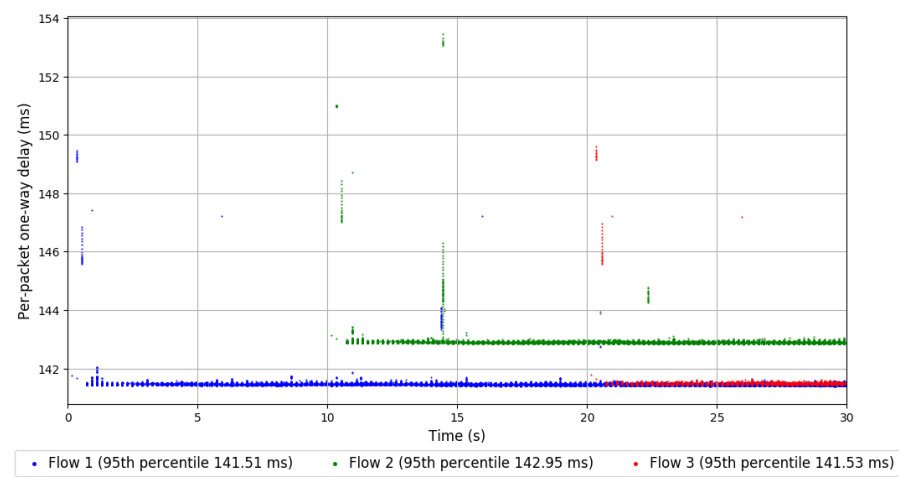
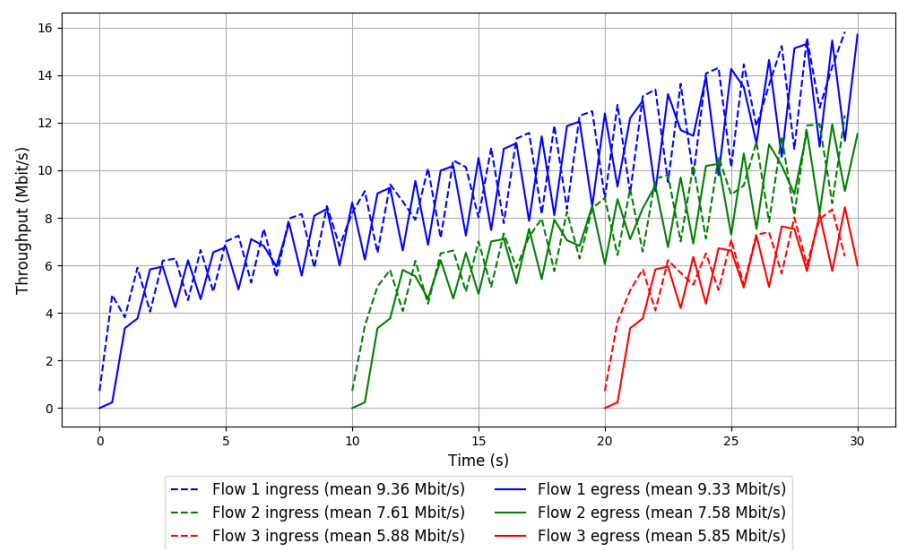
Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 10:56:41  
End at: 2018-07-25 10:57:11  
Local clock offset: 2.742 ms  
Remote clock offset: -38.97 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 16.28 Mbit/s  
95th percentile per-packet one-way delay: 142.922 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 9.33 Mbit/s  
95th percentile per-packet one-way delay: 141.507 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 7.58 Mbit/s  
95th percentile per-packet one-way delay: 142.948 ms  
Loss rate: 1.39%  
-- Flow 3:  
Average throughput: 5.85 Mbit/s  
95th percentile per-packet one-way delay: 141.531 ms  
Loss rate: 2.54%



Run 7: Report of TCP Vegas — Data Link

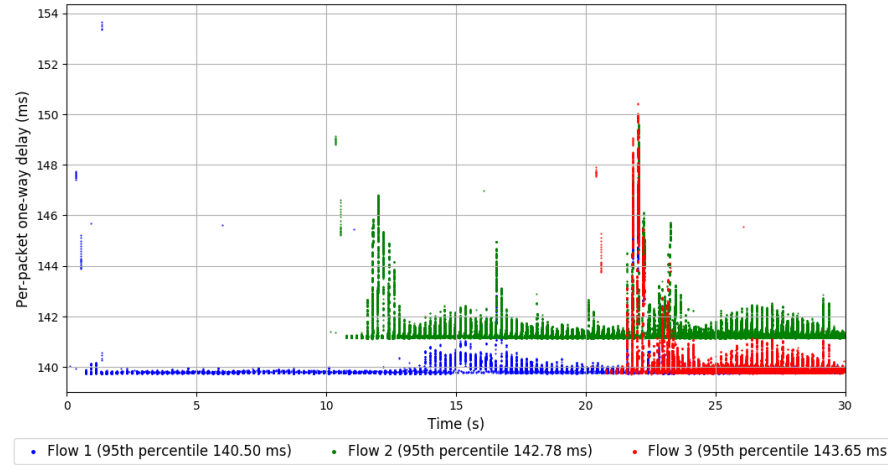
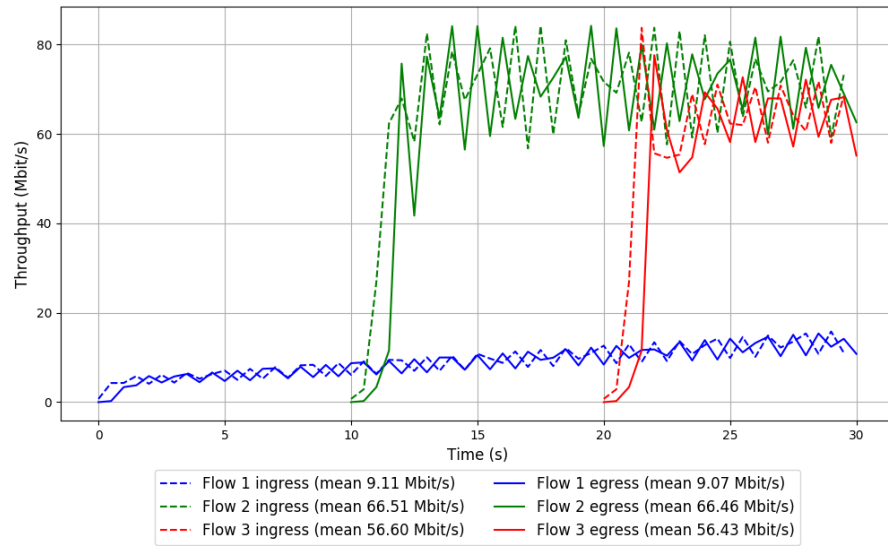


Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 11:26:53  
End at: 2018-07-25 11:27:23  
Local clock offset: -0.794 ms  
Remote clock offset: -41.513 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.63 Mbit/s  
95th percentile per-packet one-way delay: 142.819 ms  
Loss rate: 1.35%  
-- Flow 1:  
Average throughput: 9.07 Mbit/s  
95th percentile per-packet one-way delay: 140.499 ms  
Loss rate: 0.99%  
-- Flow 2:  
Average throughput: 66.46 Mbit/s  
95th percentile per-packet one-way delay: 142.779 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 56.43 Mbit/s  
95th percentile per-packet one-way delay: 143.646 ms  
Loss rate: 2.22%

# Run 8: Report of TCP Vegas — Data Link

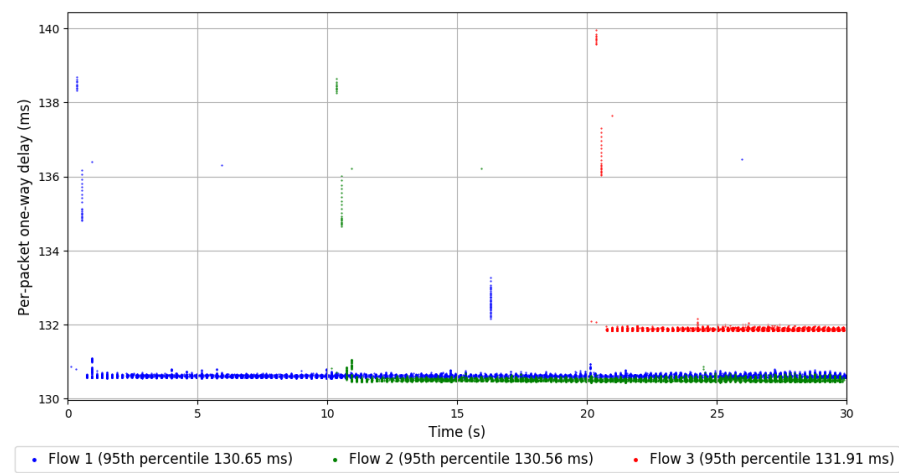
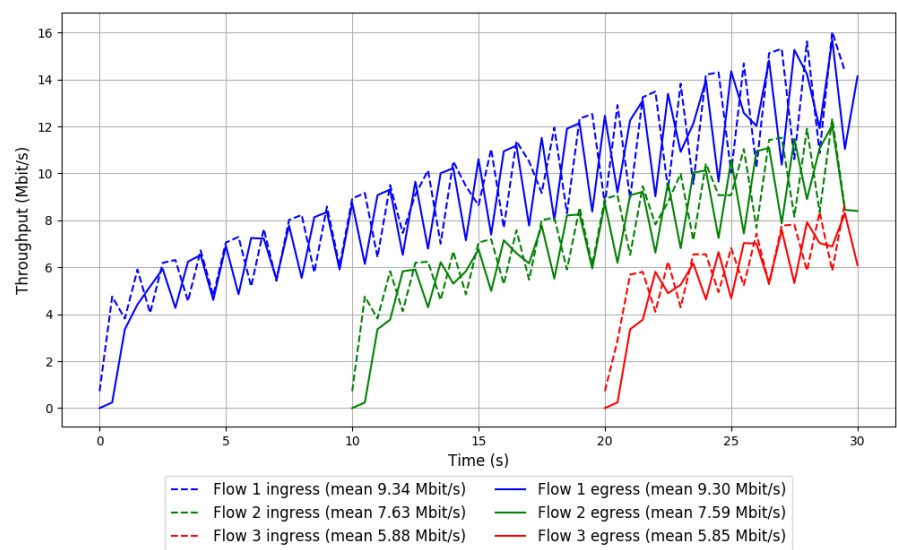


Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 12:08:36  
End at: 2018-07-25 12:09:06  
Local clock offset: -2.376 ms  
Remote clock offset: -33.68 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 16.26 Mbit/s  
95th percentile per-packet one-way delay: 131.867 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 9.30 Mbit/s  
95th percentile per-packet one-way delay: 130.652 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 7.59 Mbit/s  
95th percentile per-packet one-way delay: 130.562 ms  
Loss rate: 1.39%  
-- Flow 3:  
Average throughput: 5.85 Mbit/s  
95th percentile per-packet one-way delay: 131.911 ms  
Loss rate: 2.54%

Run 9: Report of TCP Vegas — Data Link

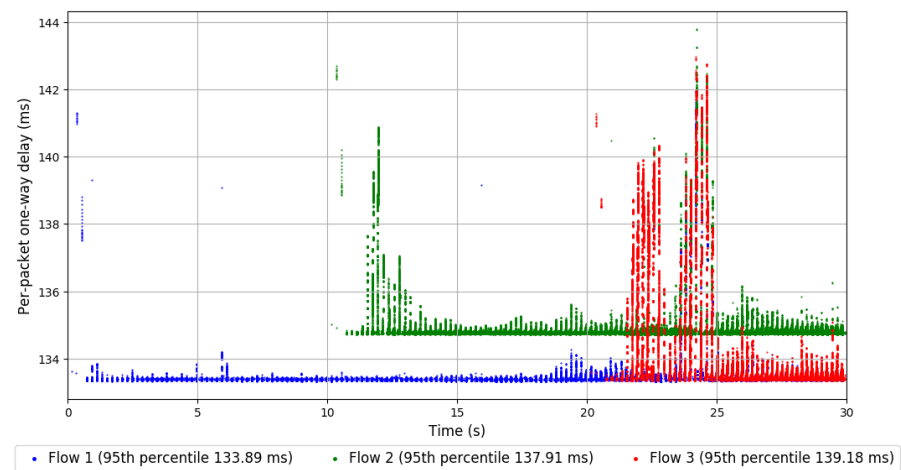
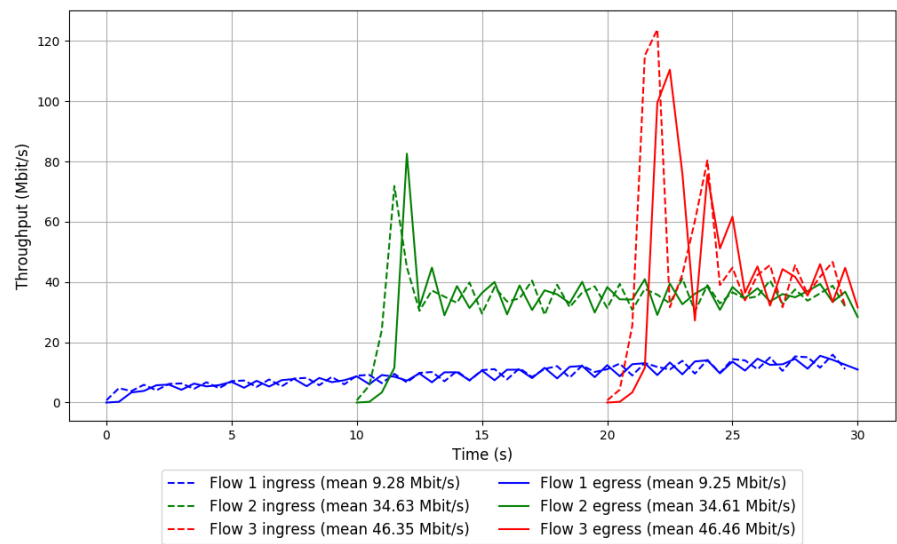


Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 12:32:58  
End at: 2018-07-25 12:33:28  
Local clock offset: 0.651 ms  
Remote clock offset: -33.893 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.45 Mbit/s  
95th percentile per-packet one-way delay: 138.605 ms  
Loss rate: 1.23%  
-- Flow 1:  
Average throughput: 9.25 Mbit/s  
95th percentile per-packet one-way delay: 133.889 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 34.61 Mbit/s  
95th percentile per-packet one-way delay: 137.912 ms  
Loss rate: 1.02%  
-- Flow 3:  
Average throughput: 46.46 Mbit/s  
95th percentile per-packet one-way delay: 139.175 ms  
Loss rate: 1.70%

Run 10: Report of TCP Vegas — Data Link



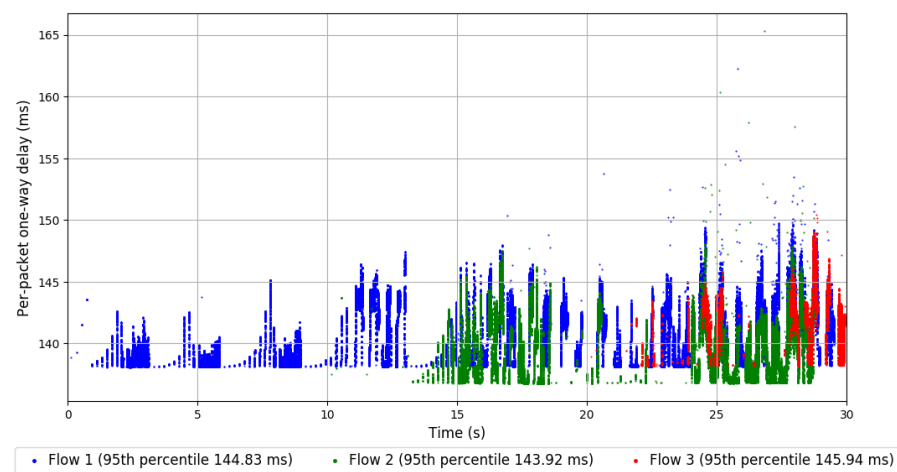
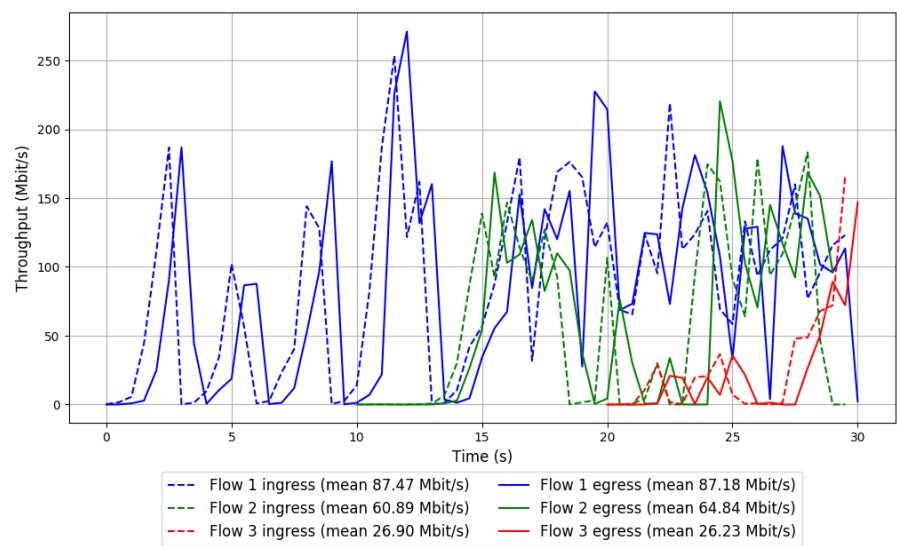
Run 1: Statistics of Verus

Start at: 2018-07-25 07:35:07  
End at: 2018-07-25 07:35:37  
Local clock offset: -0.275 ms  
Remote clock offset: -35.83 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 135.14 Mbit/s  
95th percentile per-packet one-way delay: 144.709 ms  
Loss rate: 1.73%  
-- Flow 1:  
Average throughput: 87.18 Mbit/s  
95th percentile per-packet one-way delay: 144.830 ms  
Loss rate: 2.35%  
-- Flow 2:  
Average throughput: 64.84 Mbit/s  
95th percentile per-packet one-way delay: 143.920 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.23 Mbit/s  
95th percentile per-packet one-way delay: 145.937 ms  
Loss rate: 3.52%



Run 1: Report of Verus — Data Link

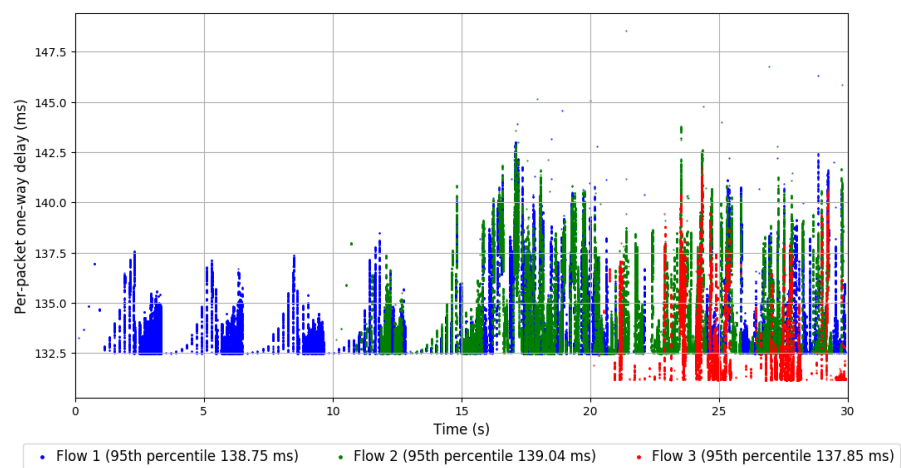
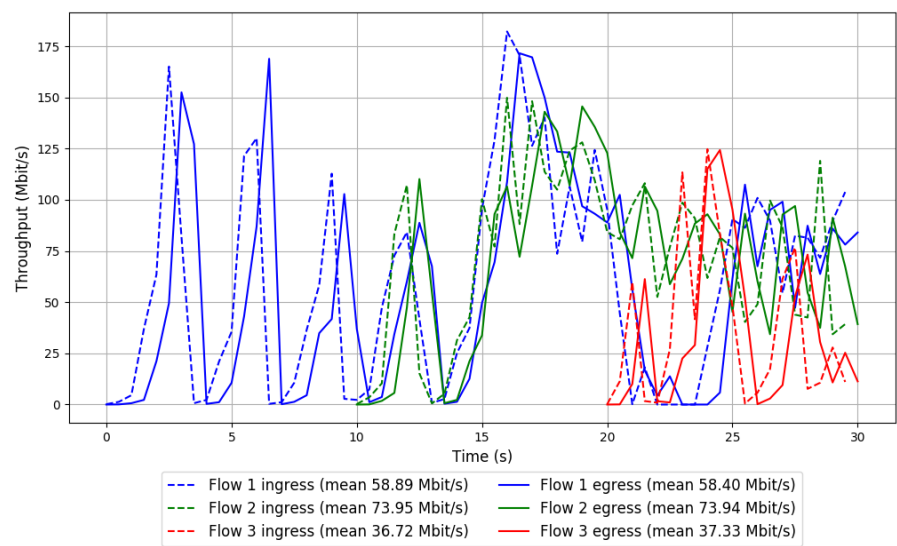


Run 2: Statistics of Verus

Start at: 2018-07-25 08:05:17  
End at: 2018-07-25 08:05:47  
Local clock offset: -1.859 ms  
Remote clock offset: -28.39 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 119.44 Mbit/s  
95th percentile per-packet one-way delay: 138.864 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 58.40 Mbit/s  
95th percentile per-packet one-way delay: 138.751 ms  
Loss rate: 1.49%  
-- Flow 2:  
Average throughput: 73.94 Mbit/s  
95th percentile per-packet one-way delay: 139.042 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 37.33 Mbit/s  
95th percentile per-packet one-way delay: 137.850 ms  
Loss rate: 0.31%

Run 2: Report of Verus — Data Link

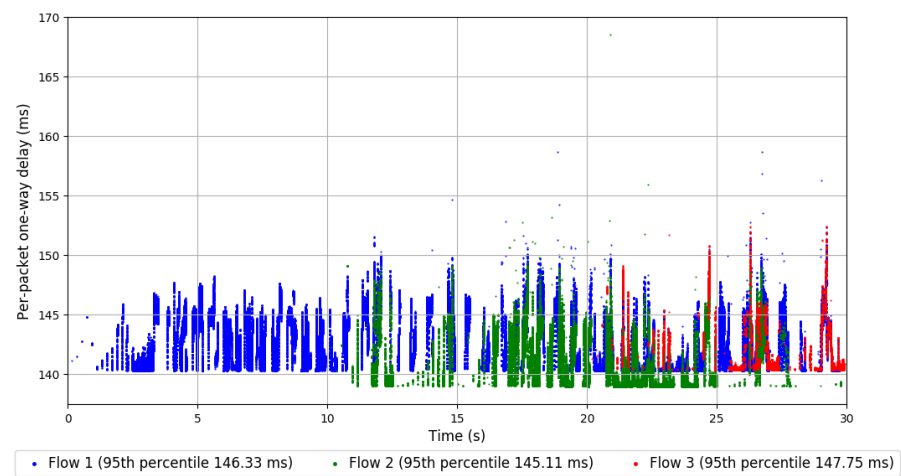
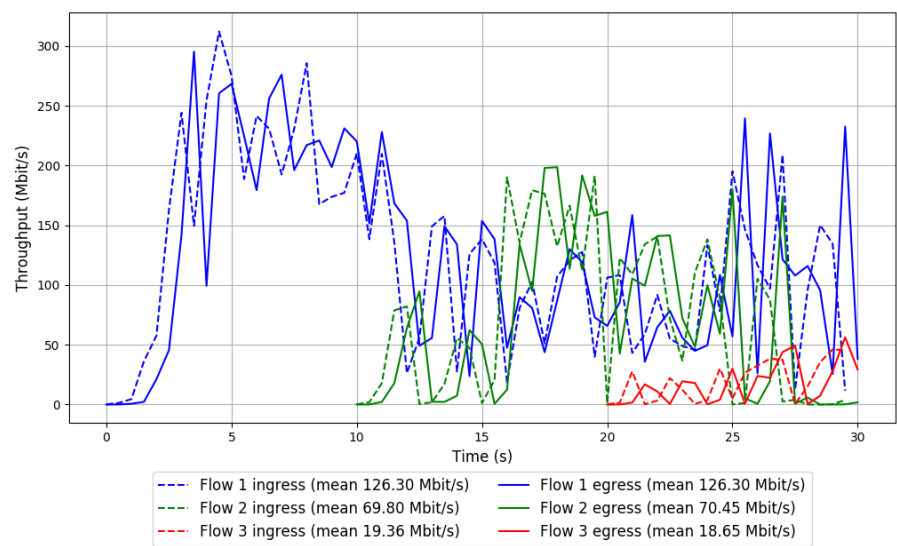


Run 3: Statistics of Verus

Start at: 2018-07-25 08:41:07  
End at: 2018-07-25 08:41:37  
Local clock offset: -1.703 ms  
Remote clock offset: -35.276 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 177.98 Mbit/s  
95th percentile per-packet one-way delay: 146.214 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 126.30 Mbit/s  
95th percentile per-packet one-way delay: 146.327 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 70.45 Mbit/s  
95th percentile per-packet one-way delay: 145.107 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 18.65 Mbit/s  
95th percentile per-packet one-way delay: 147.755 ms  
Loss rate: 5.57%

Run 3: Report of Verus — Data Link

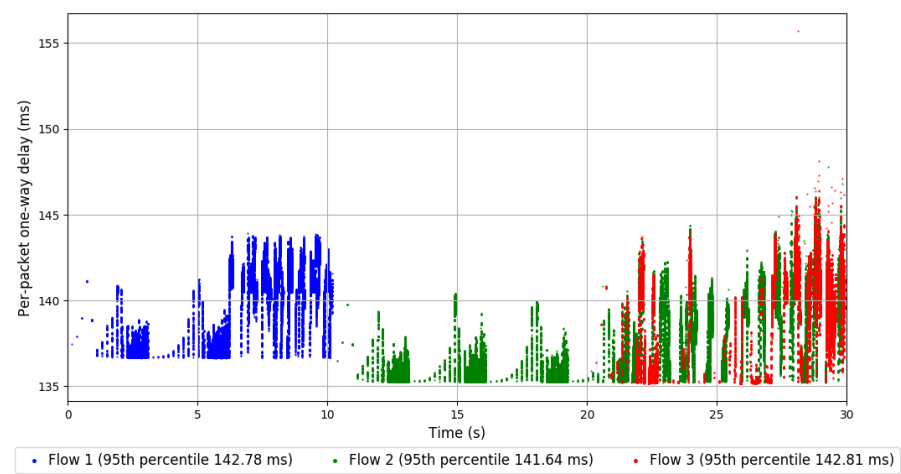
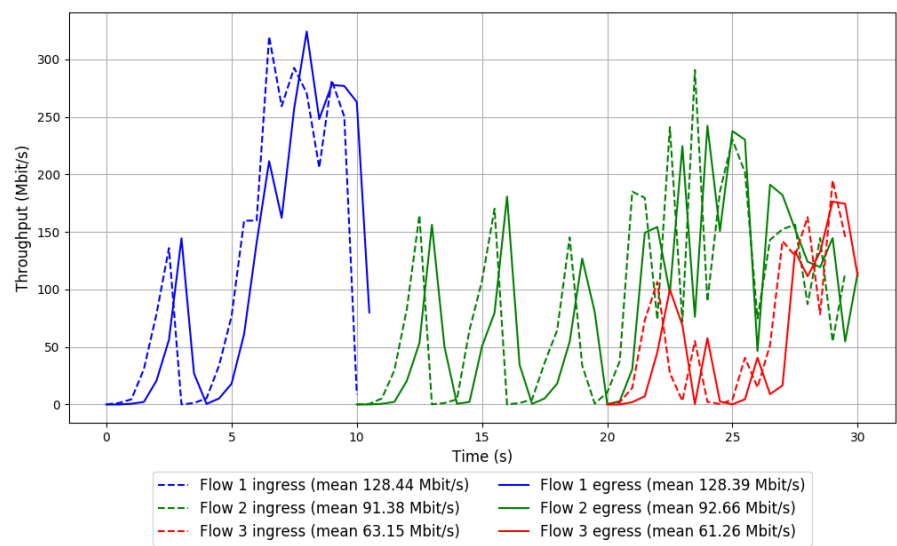


Run 4: Statistics of Verus

Start at: 2018-07-25 09:11:01  
End at: 2018-07-25 09:11:31  
Local clock offset: 0.776 ms  
Remote clock offset: -28.899 ms

# Below is generated by plot.py at 2018-07-25 13:49:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 124.59 Mbit/s  
95th percentile per-packet one-way delay: 142.424 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 128.39 Mbit/s  
95th percentile per-packet one-way delay: 142.776 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 92.66 Mbit/s  
95th percentile per-packet one-way delay: 141.636 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 61.26 Mbit/s  
95th percentile per-packet one-way delay: 142.806 ms  
Loss rate: 4.33%

Run 4: Report of Verus — Data Link



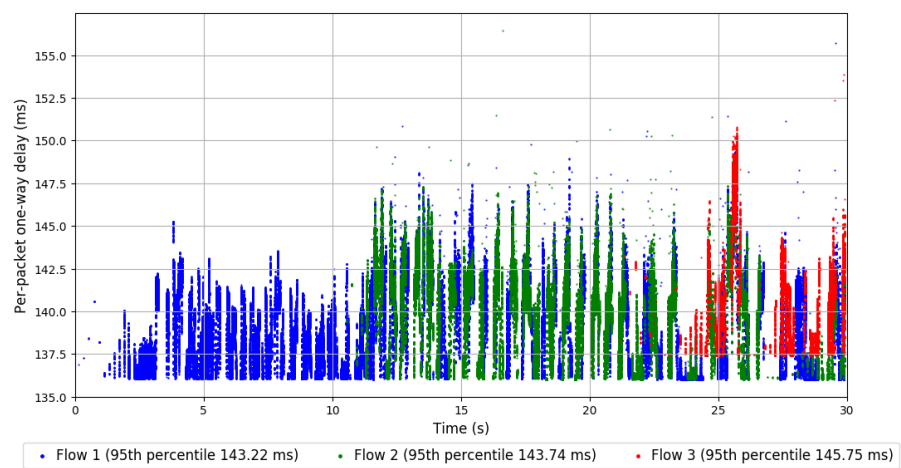
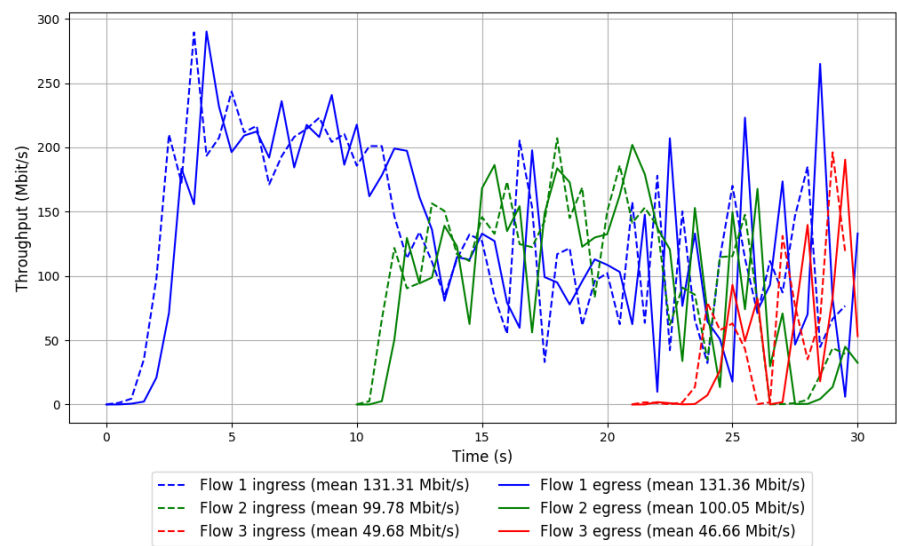
Run 5: Statistics of Verus

Start at: 2018-07-25 09:52:28  
End at: 2018-07-25 09:52:58  
Local clock offset: -1.458 ms  
Remote clock offset: -35.337 ms

# Below is generated by plot.py at 2018-07-25 13:49:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 211.43 Mbit/s  
95th percentile per-packet one-way delay: 143.515 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 131.36 Mbit/s  
95th percentile per-packet one-way delay: 143.216 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 100.05 Mbit/s  
95th percentile per-packet one-way delay: 143.737 ms  
Loss rate: 0.38%  
-- Flow 3:  
Average throughput: 46.66 Mbit/s  
95th percentile per-packet one-way delay: 145.749 ms  
Loss rate: 8.05%



Run 5: Report of Verus — Data Link

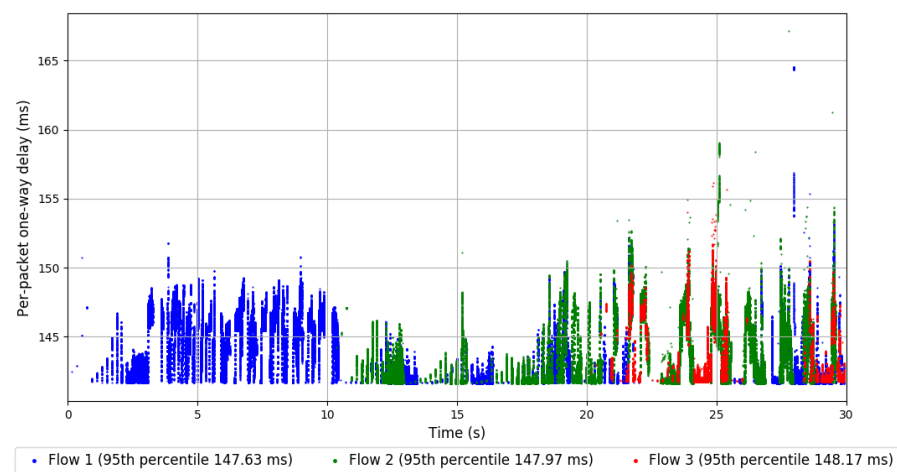
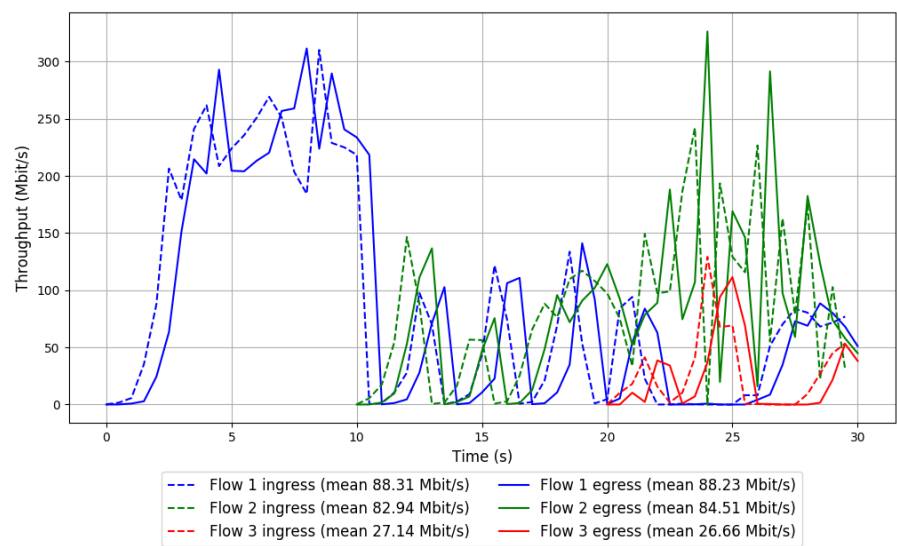


Run 6: Statistics of Verus

Start at: 2018-07-25 10:26:32  
End at: 2018-07-25 10:27:02  
Local clock offset: 1.454 ms  
Remote clock offset: -39.68 ms

# Below is generated by plot.py at 2018-07-25 13:49:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 152.01 Mbit/s  
95th percentile per-packet one-way delay: 147.818 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 88.23 Mbit/s  
95th percentile per-packet one-way delay: 147.628 ms  
Loss rate: 0.78%  
-- Flow 2:  
Average throughput: 84.51 Mbit/s  
95th percentile per-packet one-way delay: 147.974 ms  
Loss rate: 0.93%  
-- Flow 3:  
Average throughput: 26.66 Mbit/s  
95th percentile per-packet one-way delay: 148.173 ms  
Loss rate: 3.73%

Run 6: Report of Verus — Data Link

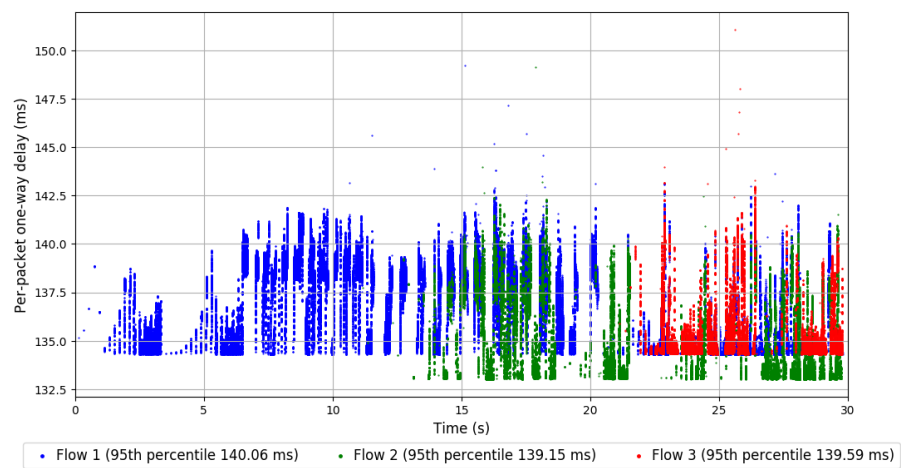
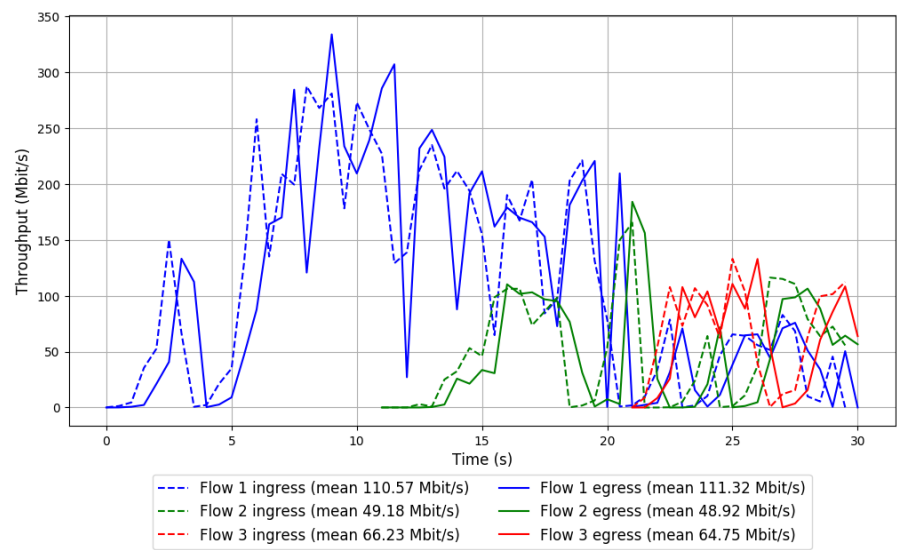


Run 7: Statistics of Verus

Start at: 2018-07-25 10:51:01  
End at: 2018-07-25 10:51:31  
Local clock offset: 2.097 ms  
Remote clock offset: -31.017 ms

# Below is generated by plot.py at 2018-07-25 13:49:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 160.76 Mbit/s  
95th percentile per-packet one-way delay: 139.921 ms  
Loss rate: 1.16%  
-- Flow 1:  
Average throughput: 111.32 Mbit/s  
95th percentile per-packet one-way delay: 140.061 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 48.92 Mbit/s  
95th percentile per-packet one-way delay: 139.149 ms  
Loss rate: 2.44%  
-- Flow 3:  
Average throughput: 64.75 Mbit/s  
95th percentile per-packet one-way delay: 139.595 ms  
Loss rate: 5.62%

Run 7: Report of Verus — Data Link

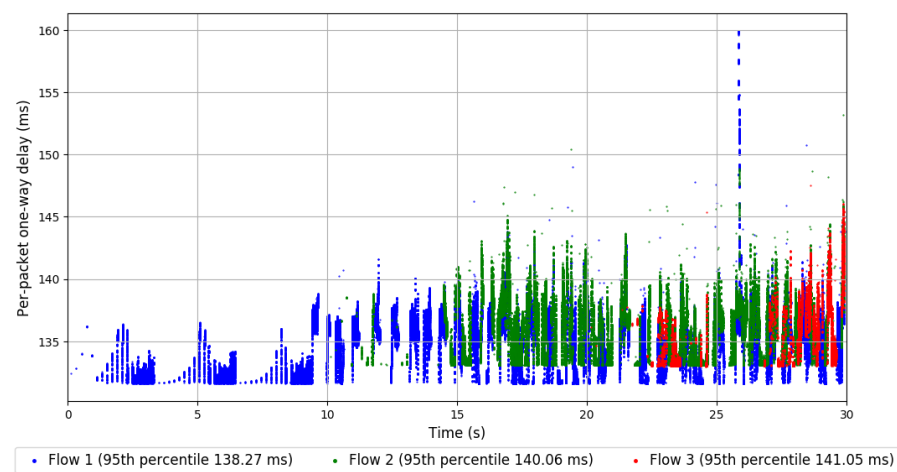
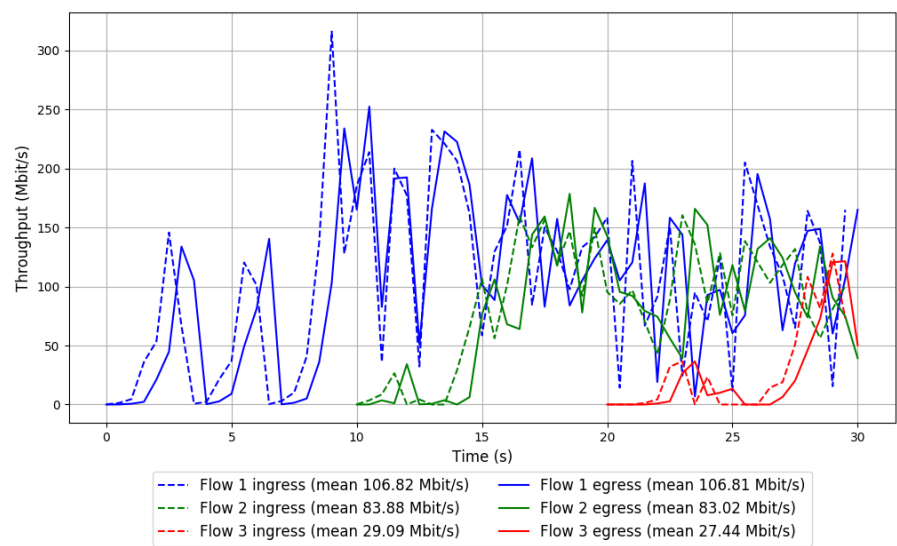


Run 8: Statistics of Verus

Start at: 2018-07-25 11:21:02  
End at: 2018-07-25 11:21:32  
Local clock offset: -1.728 ms  
Remote clock offset: -34.375 ms

# Below is generated by plot.py at 2018-07-25 13:49:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 170.91 Mbit/s  
95th percentile per-packet one-way delay: 139.305 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 106.81 Mbit/s  
95th percentile per-packet one-way delay: 138.272 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 83.02 Mbit/s  
95th percentile per-packet one-way delay: 140.058 ms  
Loss rate: 2.01%  
-- Flow 3:  
Average throughput: 27.44 Mbit/s  
95th percentile per-packet one-way delay: 141.046 ms  
Loss rate: 6.58%

Run 8: Report of Verus — Data Link



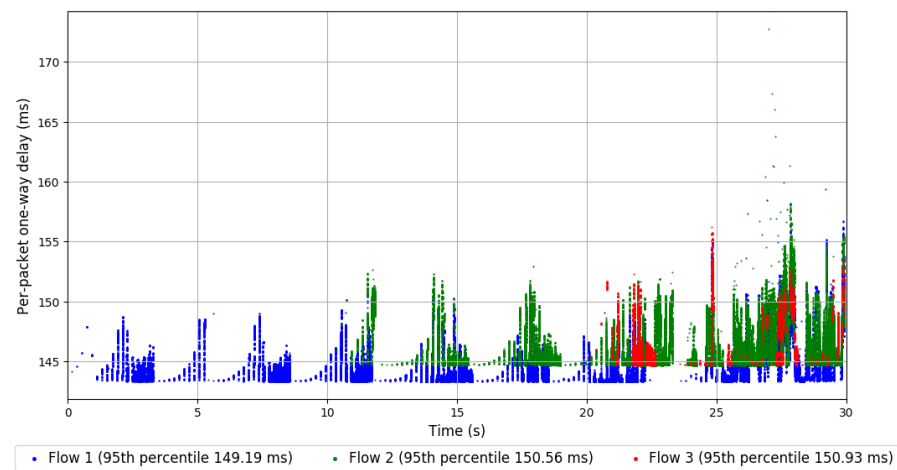
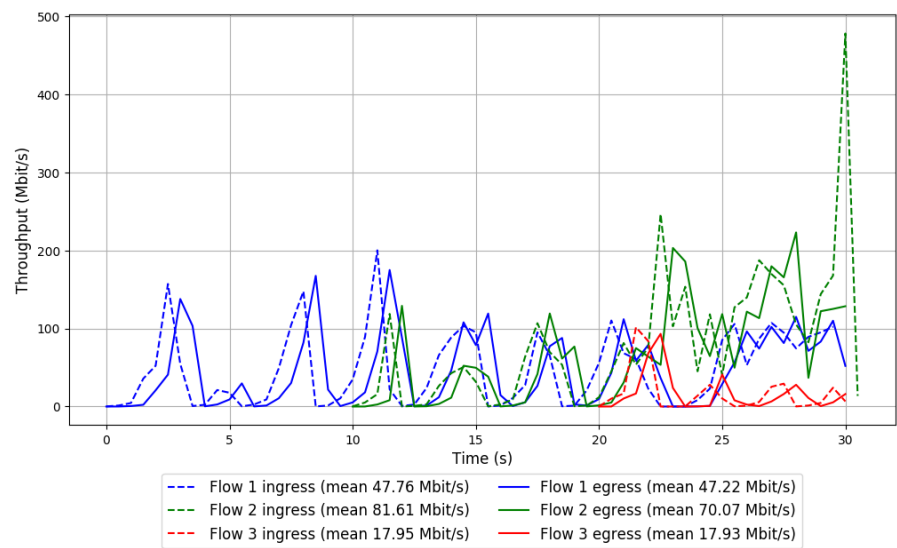
Run 9: Statistics of Verus

Start at: 2018-07-25 11:51:20  
End at: 2018-07-25 11:51:50  
Local clock offset: 2.86 ms  
Remote clock offset: -40.814 ms

# Below is generated by plot.py at 2018-07-25 13:49:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 99.58 Mbit/s  
95th percentile per-packet one-way delay: 150.287 ms  
Loss rate: 9.84%  
-- Flow 1:  
Average throughput: 47.22 Mbit/s  
95th percentile per-packet one-way delay: 149.194 ms  
Loss rate: 1.88%  
-- Flow 2:  
Average throughput: 70.07 Mbit/s  
95th percentile per-packet one-way delay: 150.562 ms  
Loss rate: 17.28%  
-- Flow 3:  
Average throughput: 17.93 Mbit/s  
95th percentile per-packet one-way delay: 150.933 ms  
Loss rate: 4.08%



Run 9: Report of Verus — Data Link

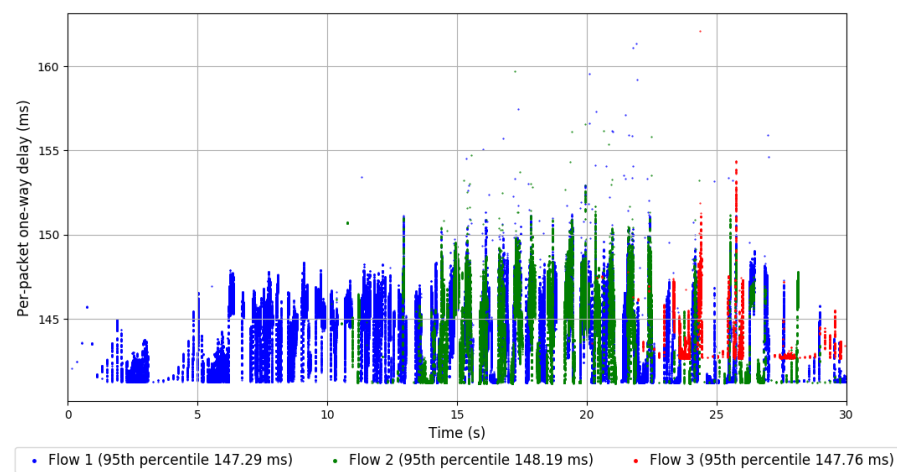
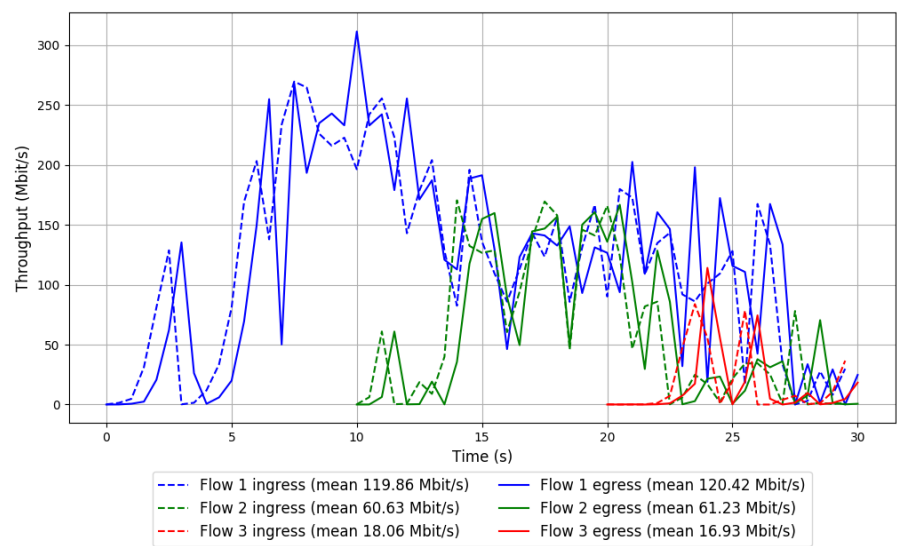


Run 10: Statistics of Verus

Start at: 2018-07-25 12:27:17  
End at: 2018-07-25 12:27:47  
Local clock offset: 1.243 ms  
Remote clock offset: -41.147 ms

# Below is generated by plot.py at 2018-07-25 13:50:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 166.21 Mbit/s  
95th percentile per-packet one-way delay: 147.611 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 120.42 Mbit/s  
95th percentile per-packet one-way delay: 147.293 ms  
Loss rate: 0.18%  
-- Flow 2:  
Average throughput: 61.23 Mbit/s  
95th percentile per-packet one-way delay: 148.192 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 16.93 Mbit/s  
95th percentile per-packet one-way delay: 147.756 ms  
Loss rate: 6.88%

Run 10: Report of Verus — Data Link

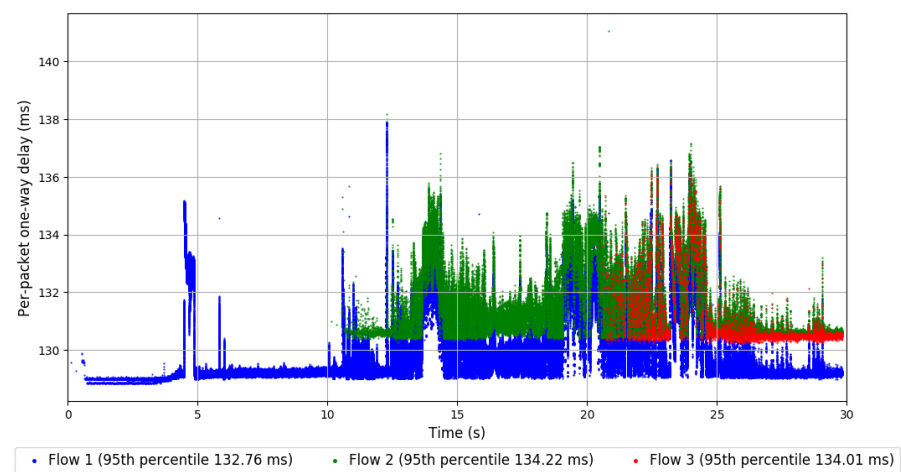
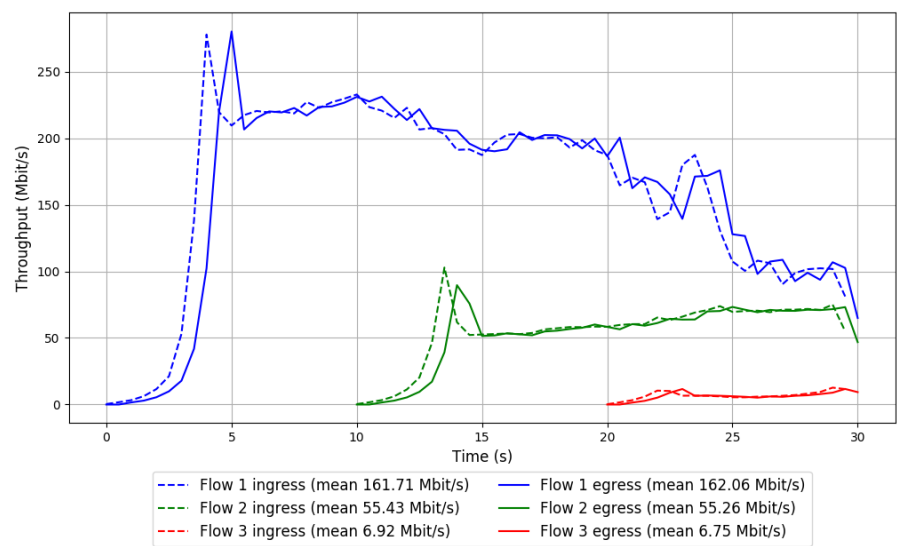


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 07:37:57  
End at: 2018-07-25 07:38:27  
Local clock offset: -0.32 ms  
Remote clock offset: -27.657 ms

# Below is generated by plot.py at 2018-07-25 13:51:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 200.88 Mbit/s  
95th percentile per-packet one-way delay: 133.256 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 162.06 Mbit/s  
95th percentile per-packet one-way delay: 132.761 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 55.26 Mbit/s  
95th percentile per-packet one-way delay: 134.217 ms  
Loss rate: 1.29%  
-- Flow 3:  
Average throughput: 6.75 Mbit/s  
95th percentile per-packet one-way delay: 134.015 ms  
Loss rate: 4.41%

Run 1: Report of PCC-Vivace — Data Link

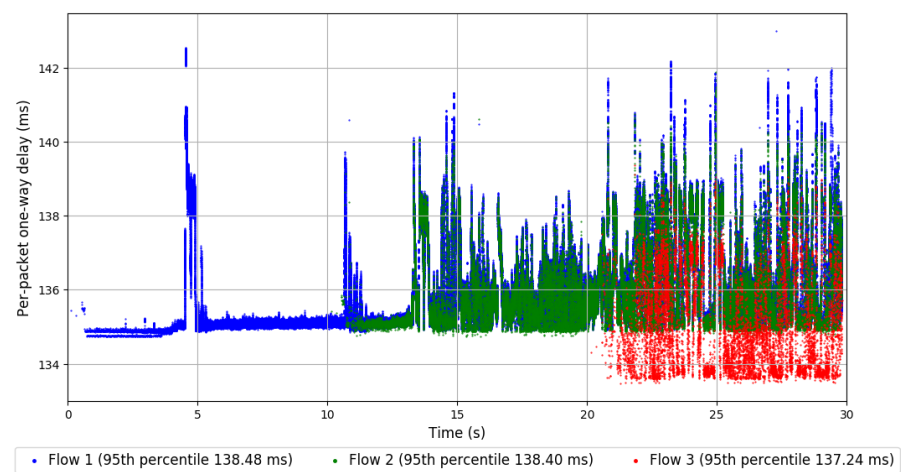
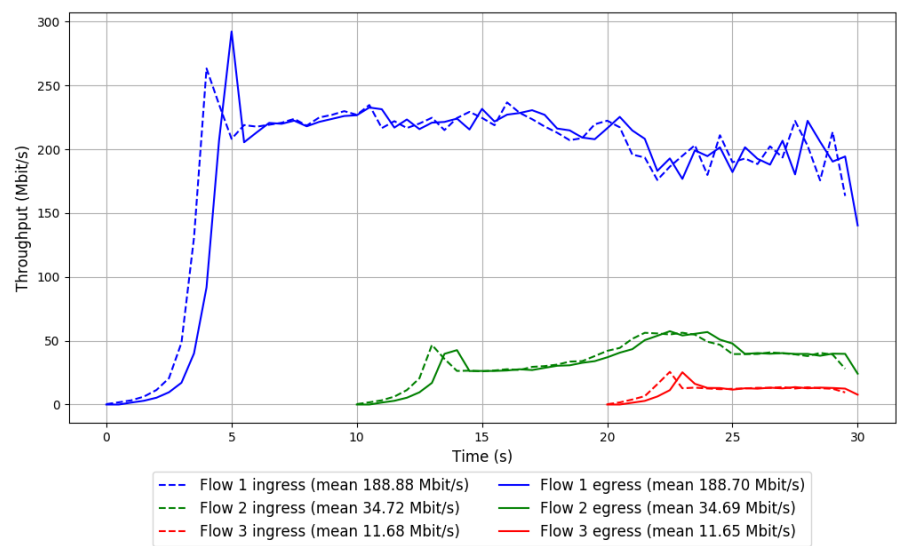


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 08:08:06  
End at: 2018-07-25 08:08:36  
Local clock offset: 0.413 ms  
Remote clock offset: -28.234 ms

# Below is generated by plot.py at 2018-07-25 13:51:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 215.47 Mbit/s  
95th percentile per-packet one-way delay: 138.465 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 188.70 Mbit/s  
95th percentile per-packet one-way delay: 138.481 ms  
Loss rate: 0.75%  
-- Flow 2:  
Average throughput: 34.69 Mbit/s  
95th percentile per-packet one-way delay: 138.404 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 11.65 Mbit/s  
95th percentile per-packet one-way delay: 137.242 ms  
Loss rate: 2.22%

Run 2: Report of PCC-Vivace — Data Link



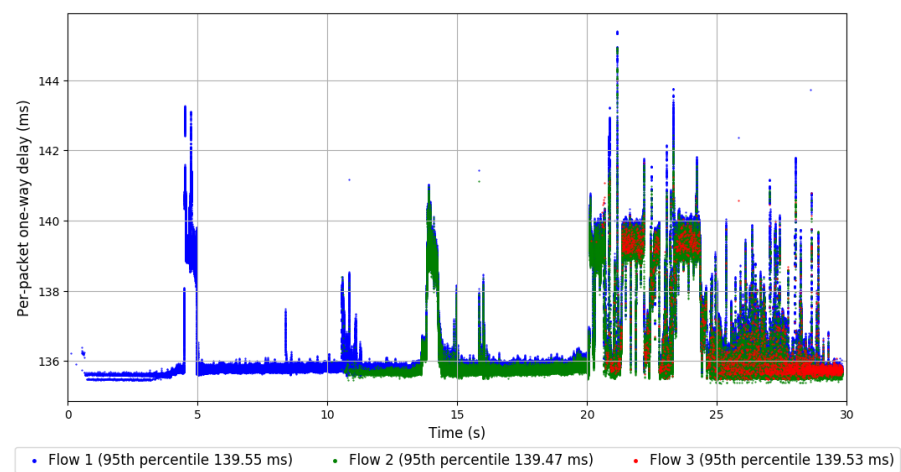
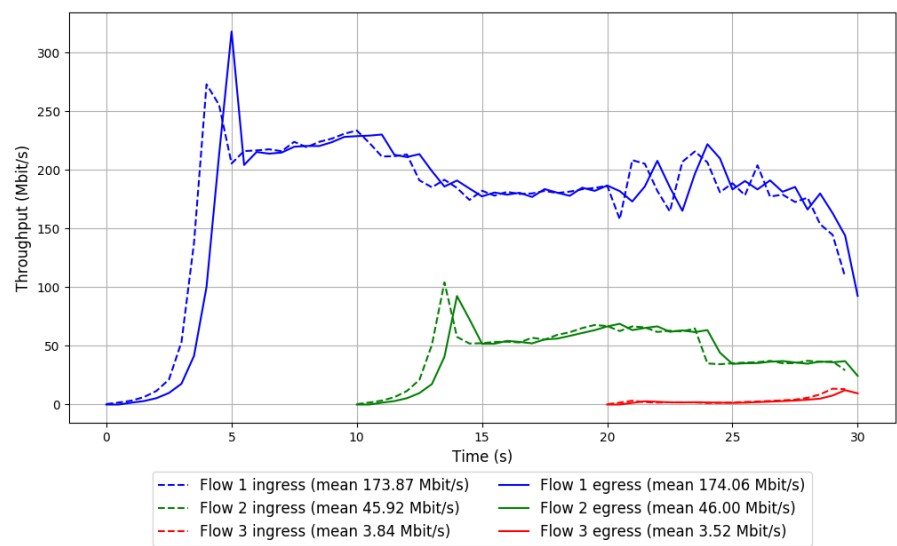
Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 08:43:59  
End at: 2018-07-25 08:44:29  
Local clock offset: 0.005 ms  
Remote clock offset: -30.174 ms

# Below is generated by plot.py at 2018-07-25 13:51:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 205.69 Mbit/s  
95th percentile per-packet one-way delay: 139.539 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 174.06 Mbit/s  
95th percentile per-packet one-way delay: 139.553 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 46.00 Mbit/s  
95th percentile per-packet one-way delay: 139.474 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 3.52 Mbit/s  
95th percentile per-packet one-way delay: 139.525 ms  
Loss rate: 10.08%



Run 3: Report of PCC-Vivace — Data Link

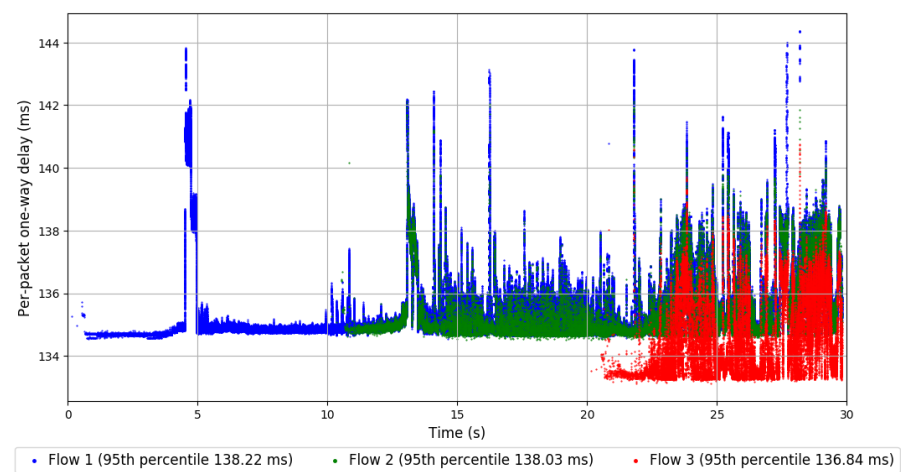
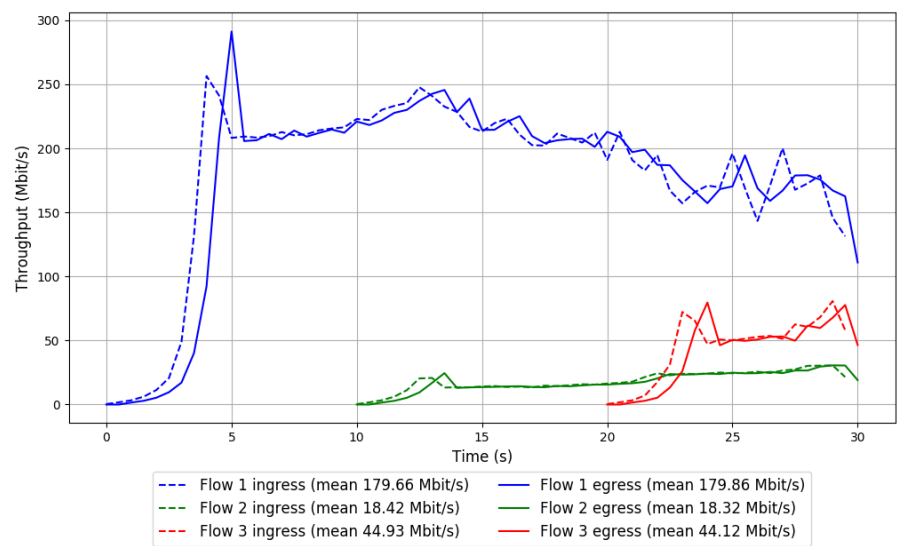


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 09:13:58  
End at: 2018-07-25 09:14:28  
Local clock offset: 0.519 ms  
Remote clock offset: -27.241 ms

# Below is generated by plot.py at 2018-07-25 13:51:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 206.37 Mbit/s  
95th percentile per-packet one-way delay: 138.138 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 179.86 Mbit/s  
95th percentile per-packet one-way delay: 138.220 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 18.32 Mbit/s  
95th percentile per-packet one-way delay: 138.034 ms  
Loss rate: 1.49%  
-- Flow 3:  
Average throughput: 44.12 Mbit/s  
95th percentile per-packet one-way delay: 136.842 ms  
Loss rate: 3.76%

Run 4: Report of PCC-Vivace — Data Link

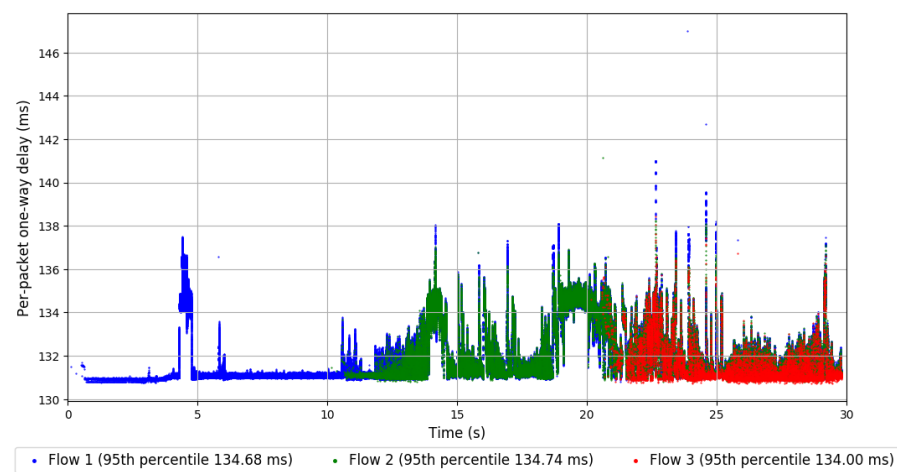
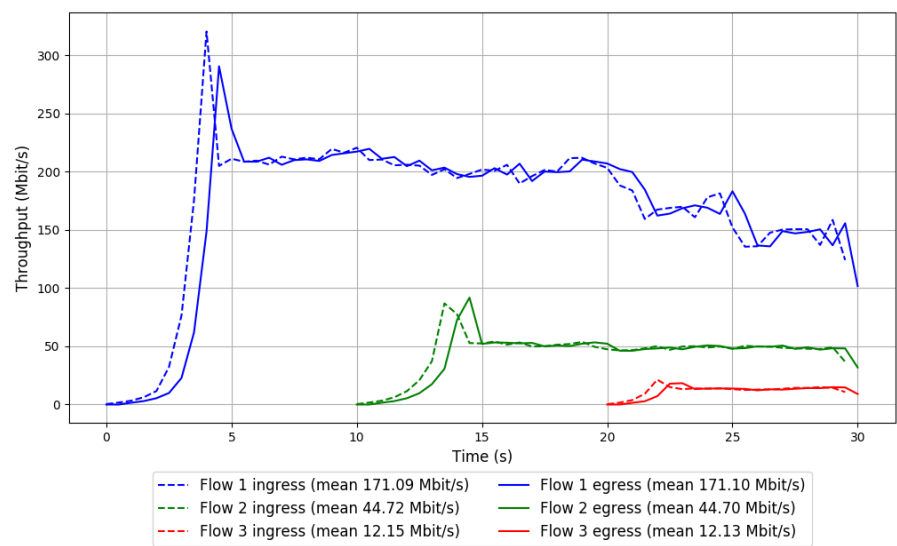


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 09:55:22  
End at: 2018-07-25 09:55:52  
Local clock offset: 0.738 ms  
Remote clock offset: -28.071 ms

# Below is generated by plot.py at 2018-07-25 13:51:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 204.67 Mbit/s  
95th percentile per-packet one-way delay: 134.690 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 171.10 Mbit/s  
95th percentile per-packet one-way delay: 134.684 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 44.70 Mbit/s  
95th percentile per-packet one-way delay: 134.744 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 12.13 Mbit/s  
95th percentile per-packet one-way delay: 134.005 ms  
Loss rate: 2.20%

Run 5: Report of PCC-Vivace — Data Link

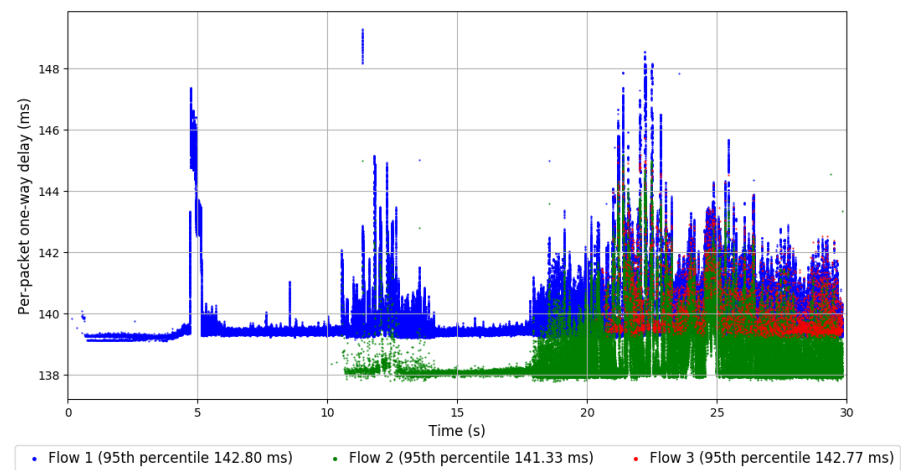
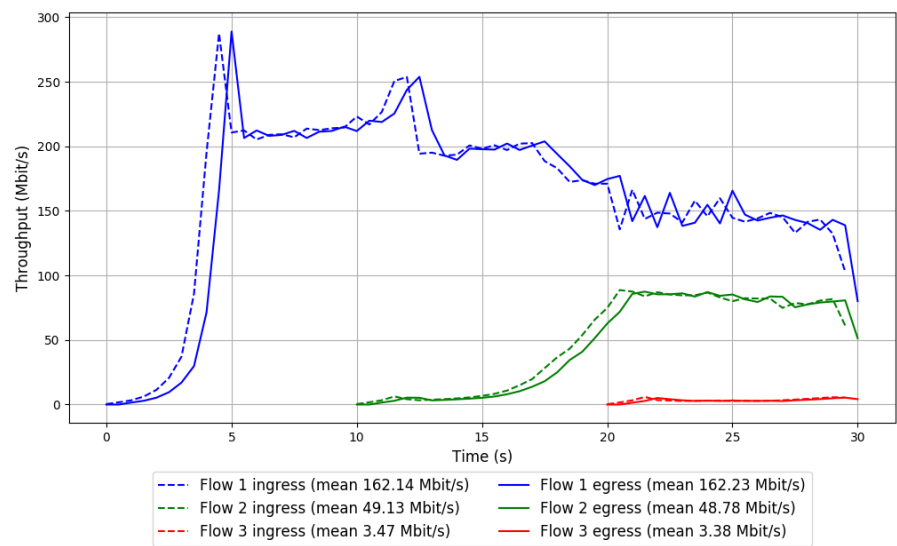


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 10:29:23  
End at: 2018-07-25 10:29:53  
Local clock offset: 1.189 ms  
Remote clock offset: -36.262 ms

# Below is generated by plot.py at 2018-07-25 13:52:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 195.64 Mbit/s  
95th percentile per-packet one-way delay: 142.569 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 162.23 Mbit/s  
95th percentile per-packet one-way delay: 142.803 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 48.78 Mbit/s  
95th percentile per-packet one-way delay: 141.332 ms  
Loss rate: 1.65%  
-- Flow 3:  
Average throughput: 3.38 Mbit/s  
95th percentile per-packet one-way delay: 142.771 ms  
Loss rate: 4.32%

Run 6: Report of PCC-Vivace — Data Link



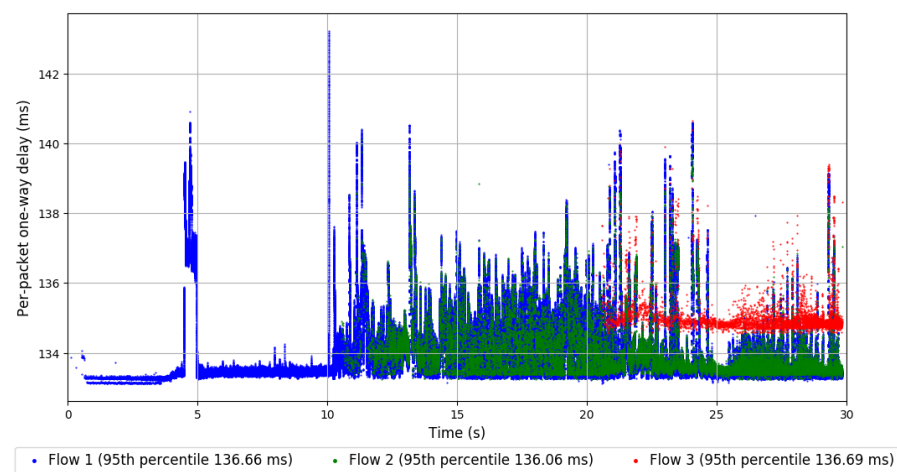
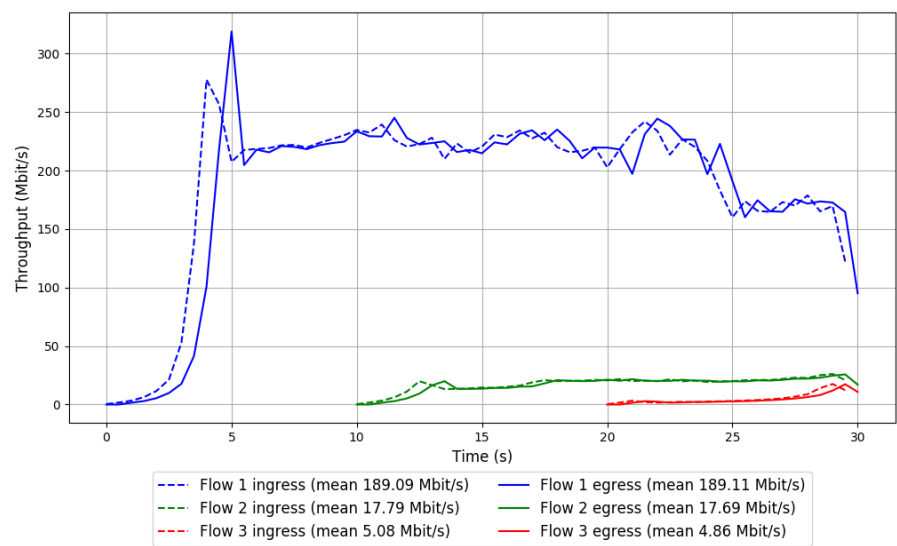
Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 10:53:52  
End at: 2018-07-25 10:54:22  
Local clock offset: 1.487 ms  
Remote clock offset: -32.046 ms

# Below is generated by plot.py at 2018-07-25 13:52:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 202.40 Mbit/s  
95th percentile per-packet one-way delay: 136.639 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 189.11 Mbit/s  
95th percentile per-packet one-way delay: 136.665 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 17.69 Mbit/s  
95th percentile per-packet one-way delay: 136.057 ms  
Loss rate: 1.54%  
-- Flow 3:  
Average throughput: 4.86 Mbit/s  
95th percentile per-packet one-way delay: 136.686 ms  
Loss rate: 6.26%



Run 7: Report of PCC-Vivace — Data Link

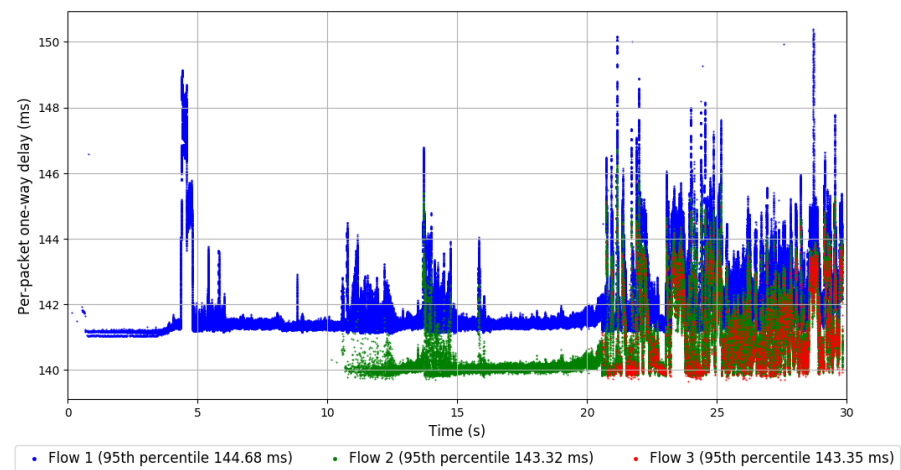
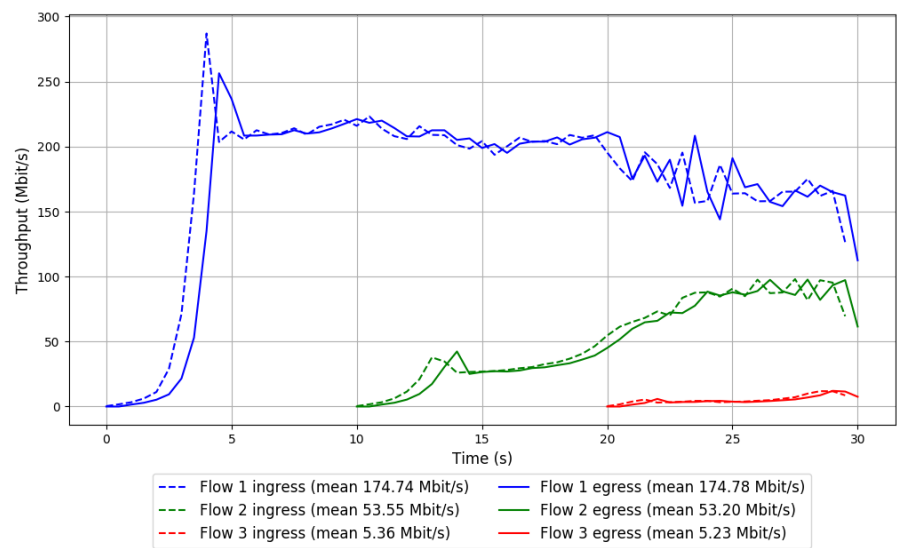


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 11:24:03  
End at: 2018-07-25 11:24:33  
Local clock offset: 3.115 ms  
Remote clock offset: -37.723 ms

# Below is generated by plot.py at 2018-07-25 13:52:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 211.73 Mbit/s  
95th percentile per-packet one-way delay: 144.509 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 174.78 Mbit/s  
95th percentile per-packet one-way delay: 144.679 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 53.20 Mbit/s  
95th percentile per-packet one-way delay: 143.320 ms  
Loss rate: 1.65%  
-- Flow 3:  
Average throughput: 5.23 Mbit/s  
95th percentile per-packet one-way delay: 143.350 ms  
Loss rate: 4.28%

Run 8: Report of PCC-Vivace — Data Link

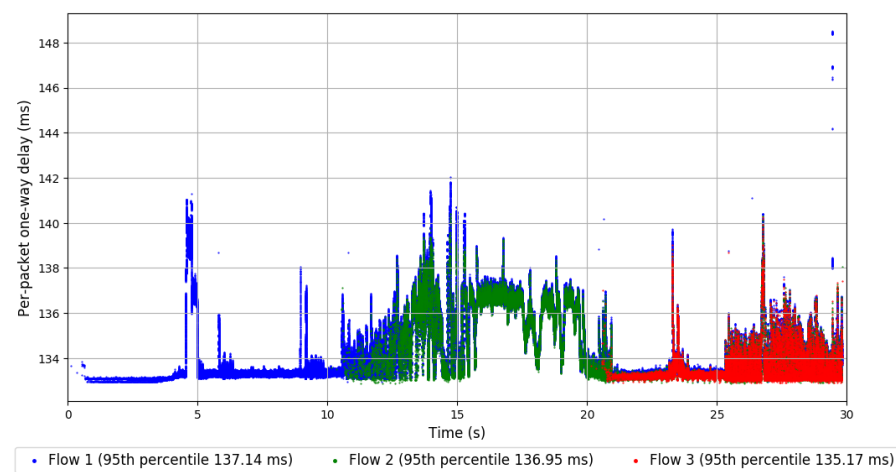
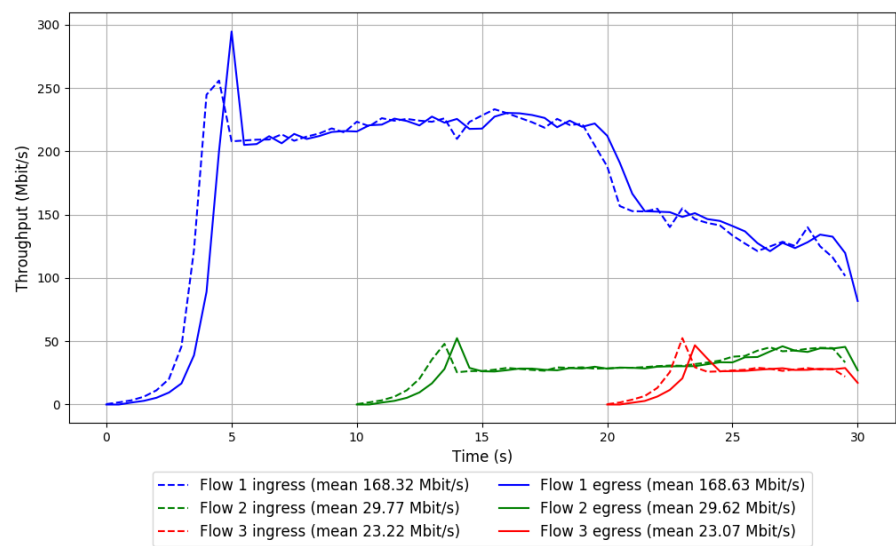


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 11:54:10  
End at: 2018-07-25 11:54:40  
Local clock offset: 0.007 ms  
Remote clock offset: -32.084 ms

# Below is generated by plot.py at 2018-07-25 13:52:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 195.75 Mbit/s  
95th percentile per-packet one-way delay: 137.101 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 168.63 Mbit/s  
95th percentile per-packet one-way delay: 137.141 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 29.62 Mbit/s  
95th percentile per-packet one-way delay: 136.946 ms  
Loss rate: 1.46%  
-- Flow 3:  
Average throughput: 23.07 Mbit/s  
95th percentile per-packet one-way delay: 135.166 ms  
Loss rate: 2.59%

Run 9: Report of PCC-Vivace — Data Link

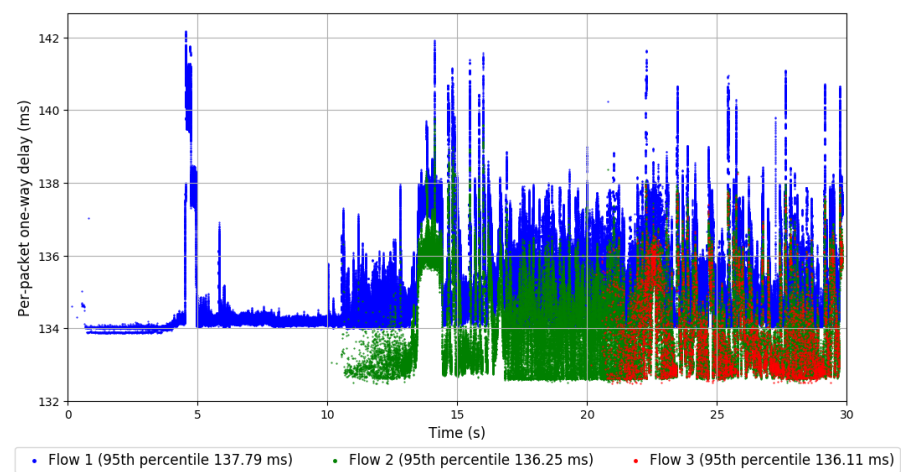
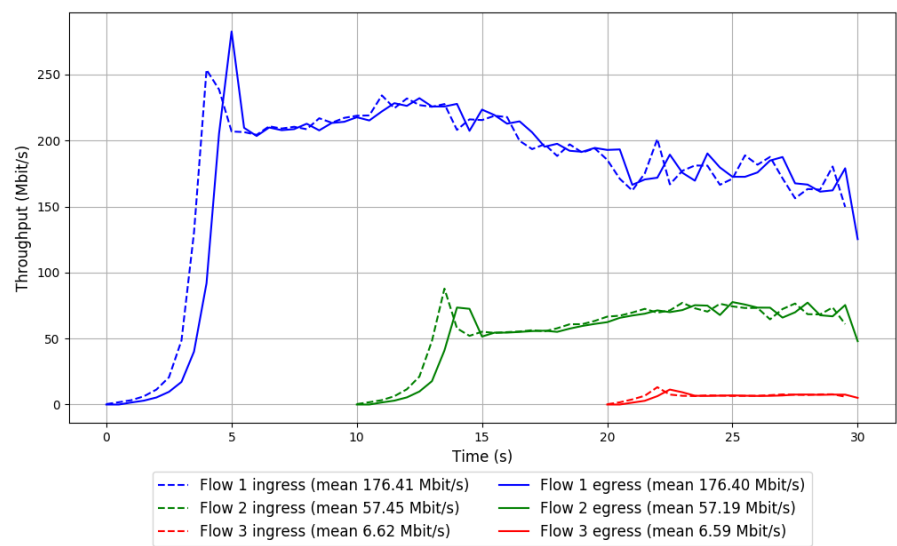


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 12:30:08  
End at: 2018-07-25 12:30:38  
Local clock offset: -0.304 ms  
Remote clock offset: -34.121 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 216.46 Mbit/s  
95th percentile per-packet one-way delay: 137.660 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 176.40 Mbit/s  
95th percentile per-packet one-way delay: 137.790 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 57.19 Mbit/s  
95th percentile per-packet one-way delay: 136.249 ms  
Loss rate: 1.42%  
-- Flow 3:  
Average throughput: 6.59 Mbit/s  
95th percentile per-packet one-way delay: 136.114 ms  
Loss rate: 2.40%

Run 10: Report of PCC-Vivace — Data Link



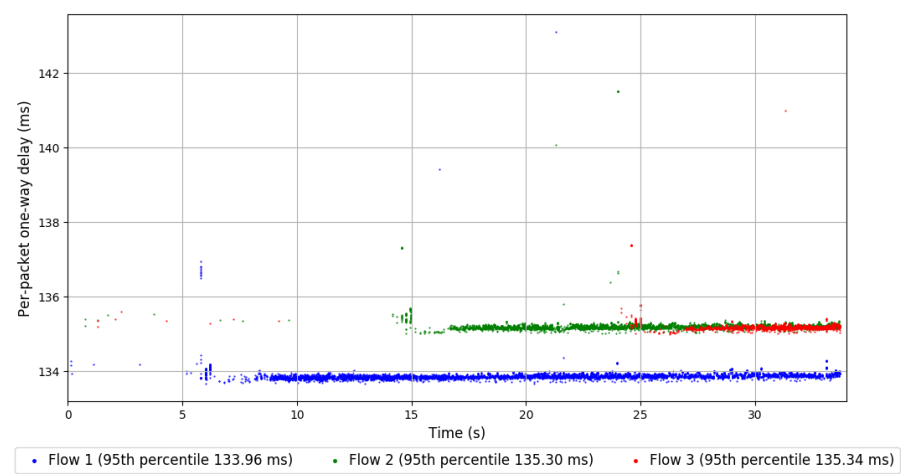
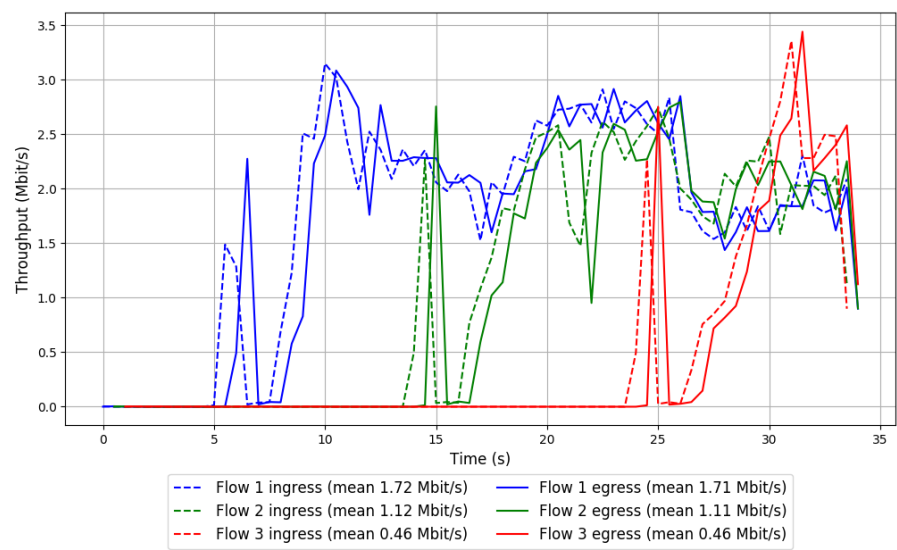
Run 1: Statistics of WebRTC media

Start at: 2018-07-25 07:49:13  
End at: 2018-07-25 07:49:43  
Local clock offset: -0.288 ms  
Remote clock offset: -31.085 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.24 Mbit/s  
95th percentile per-packet one-way delay: 135.259 ms  
Loss rate: 1.25%  
-- Flow 1:  
Average throughput: 1.71 Mbit/s  
95th percentile per-packet one-way delay: 133.959 ms  
Loss rate: 1.40%  
-- Flow 2:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 135.298 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 135.340 ms  
Loss rate: 1.50%



Run 1: Report of WebRTC media — Data Link

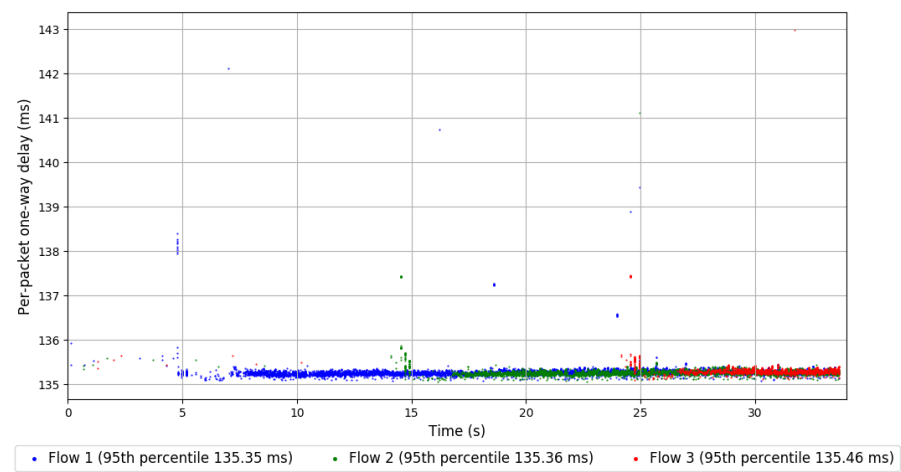
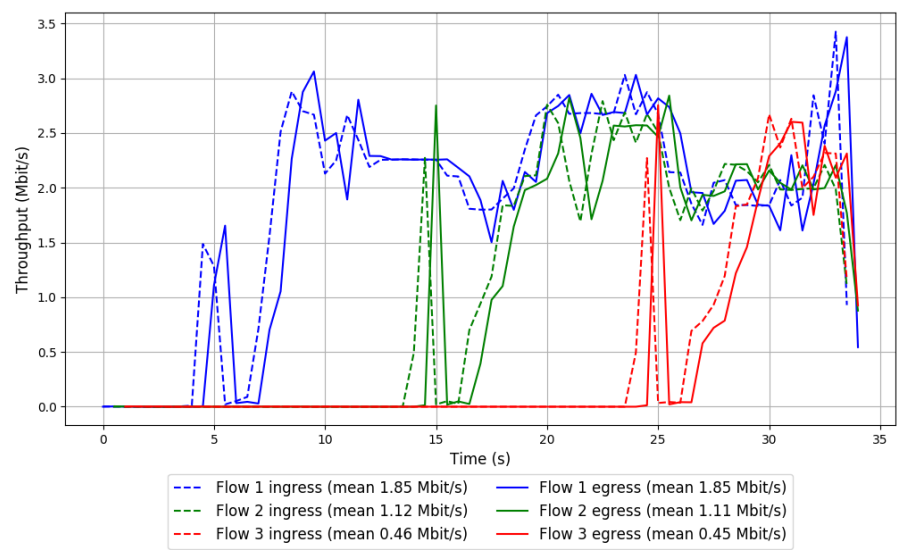


Run 2: Statistics of WebRTC media

Start at: 2018-07-25 08:19:09  
End at: 2018-07-25 08:19:39  
Local clock offset: -0.463 ms  
Remote clock offset: -30.078 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.37 Mbit/s  
95th percentile per-packet one-way delay: 135.363 ms  
Loss rate: 1.14%  
-- Flow 1:  
Average throughput: 1.85 Mbit/s  
95th percentile per-packet one-way delay: 135.347 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 135.363 ms  
Loss rate: 1.19%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 135.455 ms  
Loss rate: 3.10%

Run 2: Report of WebRTC media — Data Link

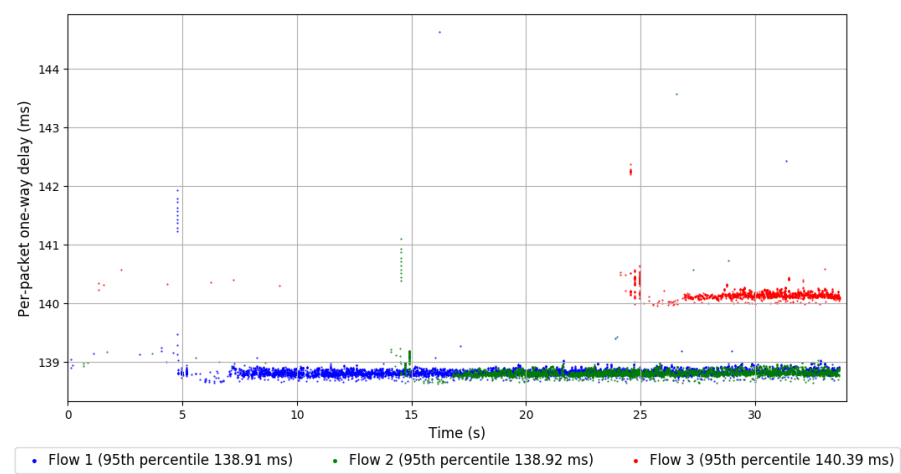
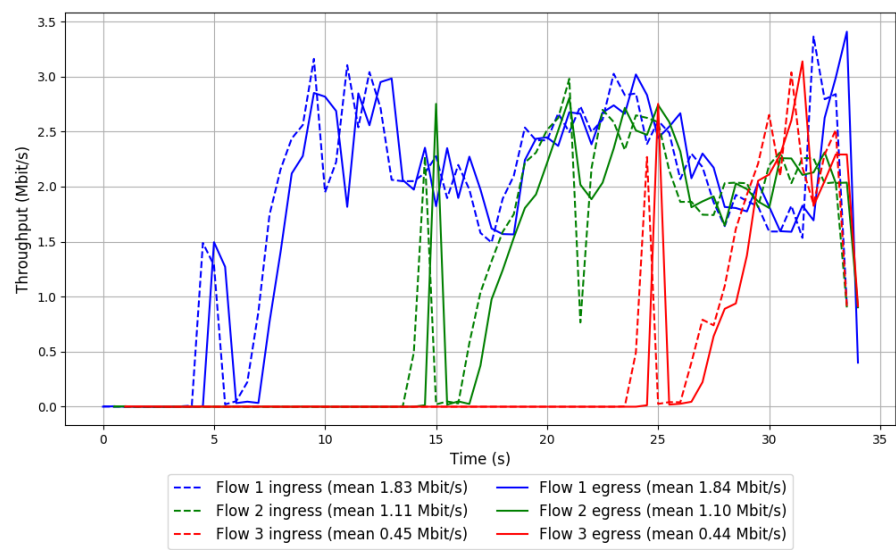


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 08:49:29  
End at: 2018-07-25 08:49:59  
Local clock offset: -1.739 ms  
Remote clock offset: -35.11 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.35 Mbit/s  
95th percentile per-packet one-way delay: 140.152 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 1.84 Mbit/s  
95th percentile per-packet one-way delay: 138.905 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 1.10 Mbit/s  
95th percentile per-packet one-way delay: 138.916 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 140.393 ms  
Loss rate: 2.34%

Run 3: Report of WebRTC media — Data Link

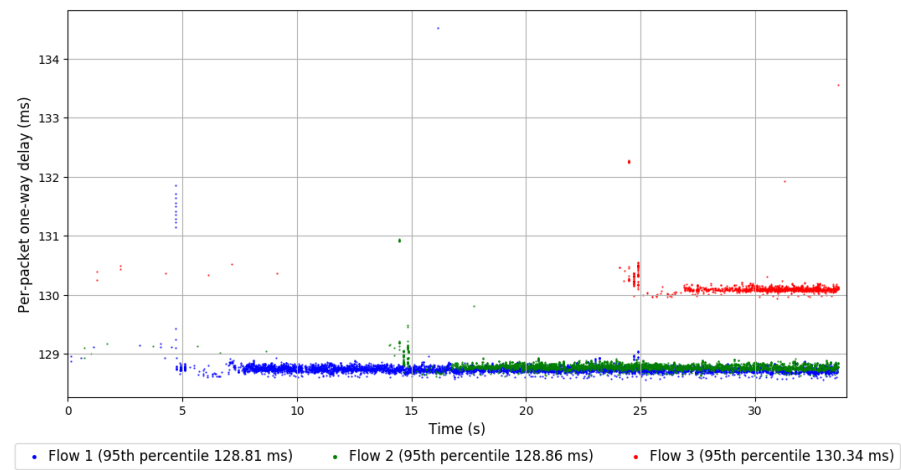
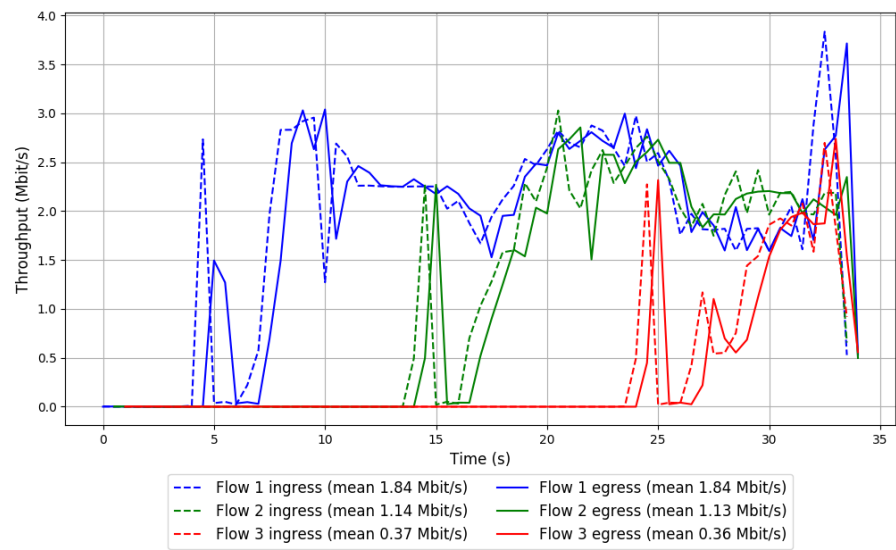


Run 4: Statistics of WebRTC media

Start at: 2018-07-25 09:25:03  
End at: 2018-07-25 09:25:33  
Local clock offset: -8.836 ms  
Remote clock offset: -33.373 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.30 Mbit/s  
95th percentile per-packet one-way delay: 130.098 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 1.84 Mbit/s  
95th percentile per-packet one-way delay: 128.814 ms  
Loss rate: 0.43%  
-- Flow 2:  
Average throughput: 1.13 Mbit/s  
95th percentile per-packet one-way delay: 128.862 ms  
Loss rate: 0.87%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 130.340 ms  
Loss rate: 3.97%

Run 4: Report of WebRTC media — Data Link



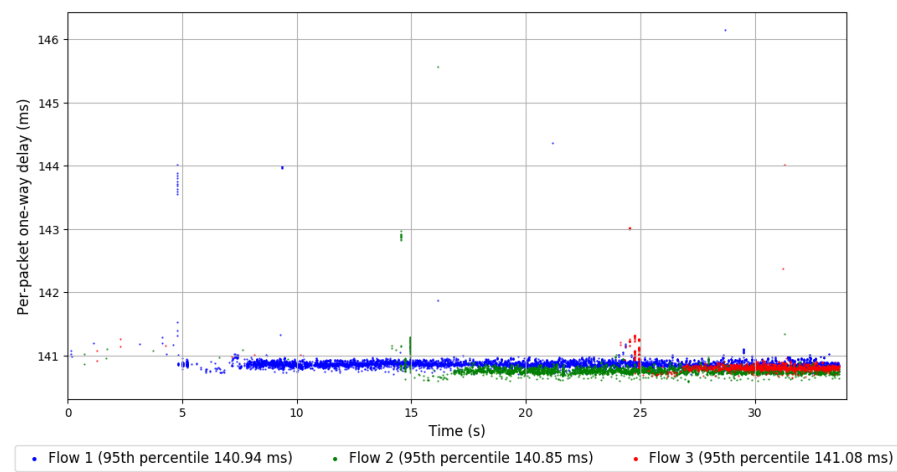
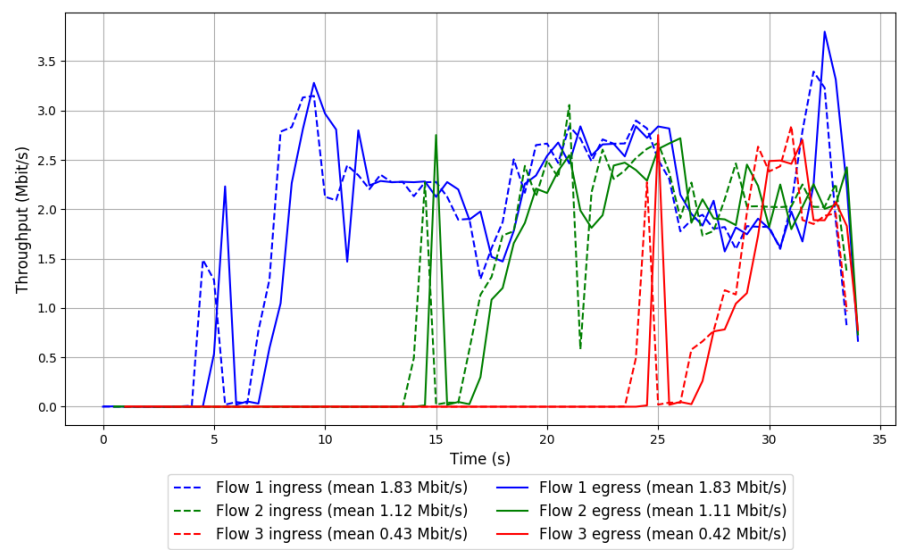
Run 5: Statistics of WebRTC media

Start at: 2018-07-25 10:00:52  
End at: 2018-07-25 10:01:22  
Local clock offset: 1.069 ms  
Remote clock offset: -36.413 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.33 Mbit/s  
95th percentile per-packet one-way delay: 140.936 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 1.83 Mbit/s  
95th percentile per-packet one-way delay: 140.941 ms  
Loss rate: 0.43%  
-- Flow 2:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 140.851 ms  
Loss rate: 1.51%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 141.081 ms  
Loss rate: 3.10%



Run 5: Report of WebRTC media — Data Link

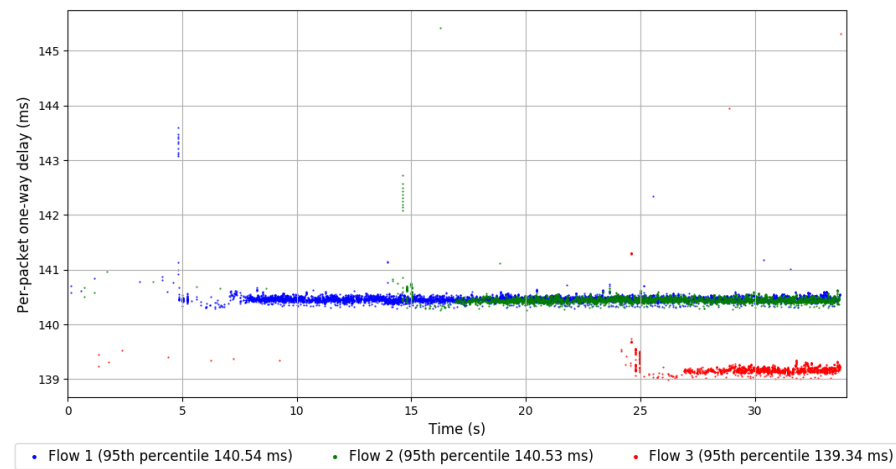
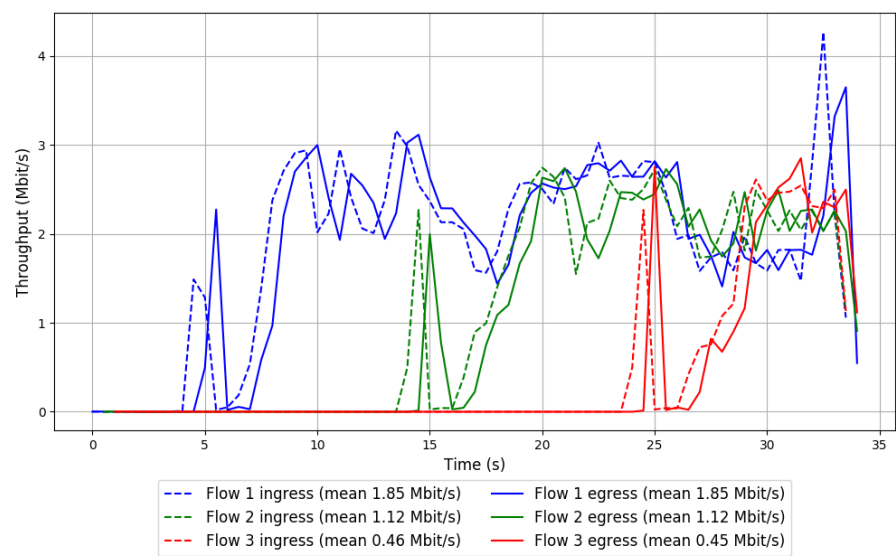


Run 6: Statistics of WebRTC media

Start at: 2018-07-25 10:34:56  
End at: 2018-07-25 10:35:26  
Local clock offset: 1.6 ms  
Remote clock offset: -37.17 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.38 Mbit/s  
95th percentile per-packet one-way delay: 140.532 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 1.85 Mbit/s  
95th percentile per-packet one-way delay: 140.537 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 1.12 Mbit/s  
95th percentile per-packet one-way delay: 140.535 ms  
Loss rate: 1.21%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 139.345 ms  
Loss rate: 2.32%

Run 6: Report of WebRTC media — Data Link

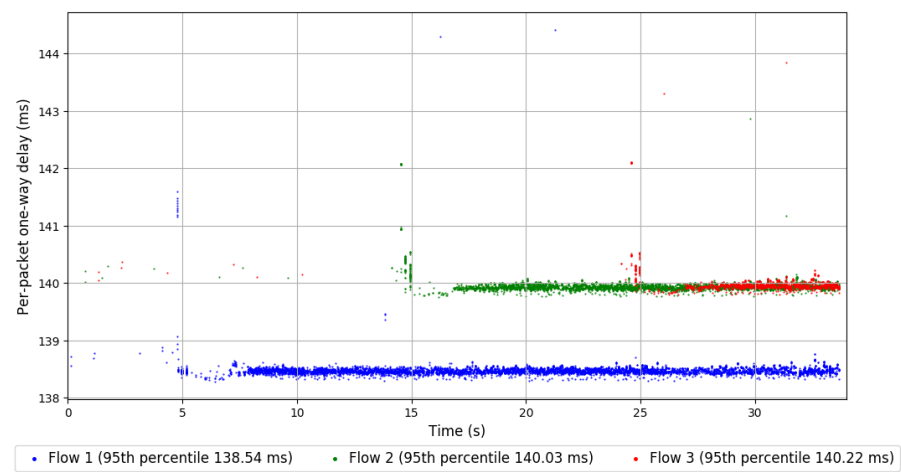
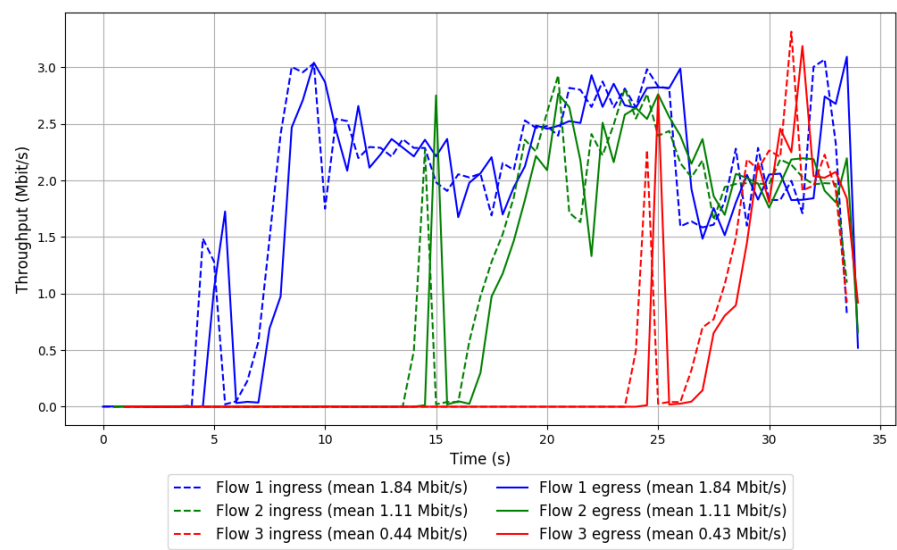


Run 7: Statistics of WebRTC media

Start at: 2018-07-25 10:59:35  
End at: 2018-07-25 11:00:05  
Local clock offset: 0.739 ms  
Remote clock offset: -38.125 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.34 Mbit/s  
95th percentile per-packet one-way delay: 140.006 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 1.84 Mbit/s  
95th percentile per-packet one-way delay: 138.540 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 140.028 ms  
Loss rate: 1.19%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 140.224 ms  
Loss rate: 2.44%

Run 7: Report of WebRTC media — Data Link

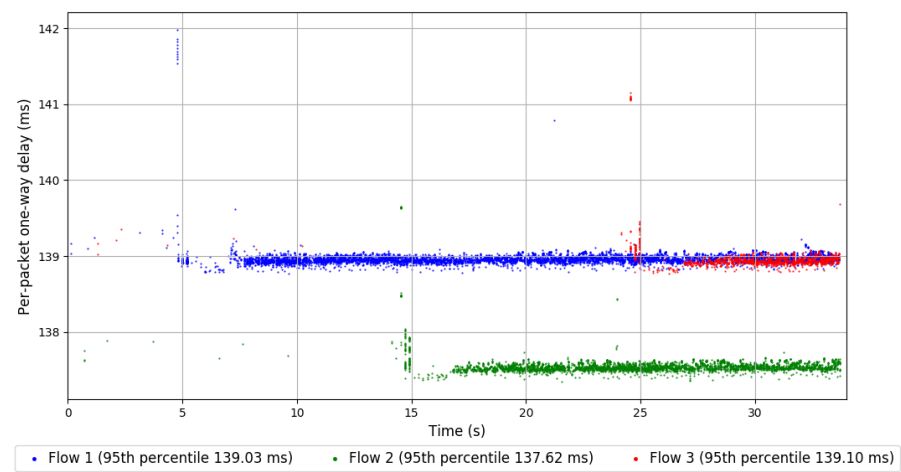
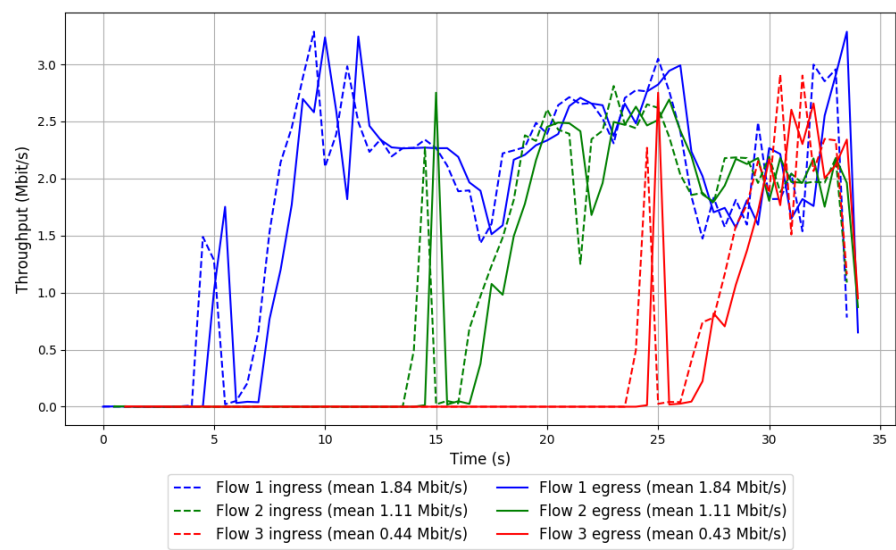


Run 8: Statistics of WebRTC media

Start at: 2018-07-25 11:29:39  
End at: 2018-07-25 11:30:09  
Local clock offset: 0.317 ms  
Remote clock offset: -38.049 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.34 Mbit/s  
95th percentile per-packet one-way delay: 139.026 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 1.84 Mbit/s  
95th percentile per-packet one-way delay: 139.032 ms  
Loss rate: 0.53%  
-- Flow 2:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 137.622 ms  
Loss rate: 1.18%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 139.105 ms  
Loss rate: 3.18%

Run 8: Report of WebRTC media — Data Link



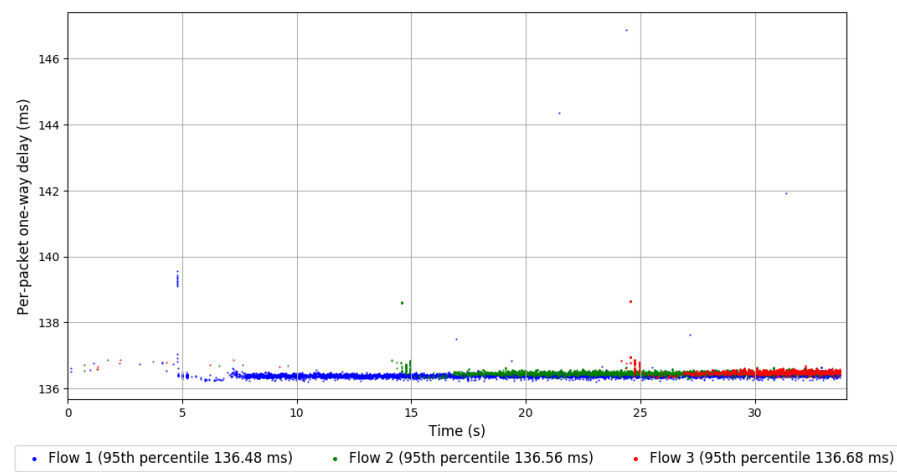
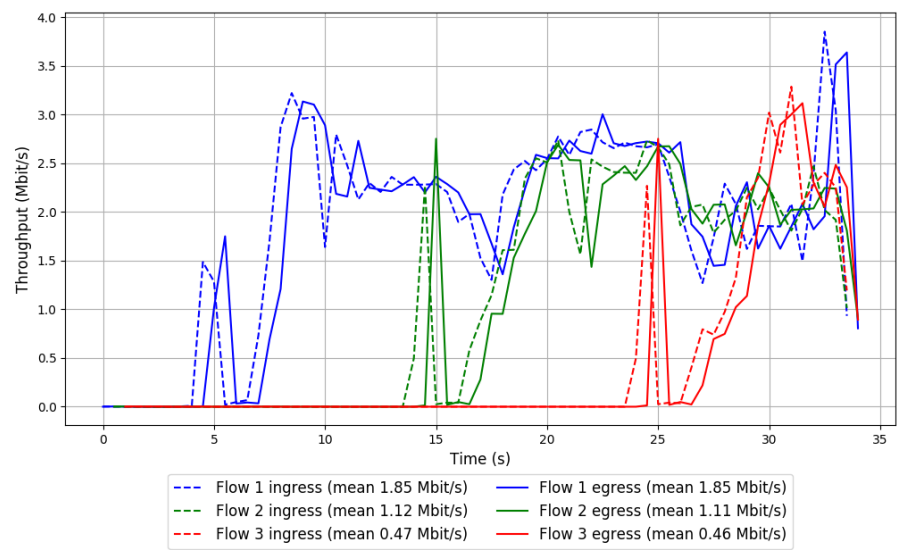
Run 9: Statistics of WebRTC media

Start at: 2018-07-25 12:11:23  
End at: 2018-07-25 12:11:53  
Local clock offset: 2.51 ms  
Remote clock offset: -34.79 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.39 Mbit/s  
95th percentile per-packet one-way delay: 136.551 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 1.85 Mbit/s  
95th percentile per-packet one-way delay: 136.478 ms  
Loss rate: 0.53%  
-- Flow 2:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 136.561 ms  
Loss rate: 0.91%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 136.682 ms  
Loss rate: 2.92%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 12:35:44  
End at: 2018-07-25 12:36:14  
Local clock offset: 0.845 ms  
Remote clock offset: -30.277 ms

# Below is generated by plot.py at 2018-07-25 13:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.43 Mbit/s  
95th percentile per-packet one-way delay: 131.379 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 1.91 Mbit/s  
95th percentile per-packet one-way delay: 131.395 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 1.12 Mbit/s  
95th percentile per-packet one-way delay: 130.076 ms  
Loss rate: 1.20%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 130.309 ms  
Loss rate: 3.10%

Run 10: Report of WebRTC media — Data Link

