Pantheon Summary (Generated at Mon, 10 Jul 2017 05:13:29 +0000 with pantheon version `c3610718e2bbac84102e8ac47b889a75d4392d79`)

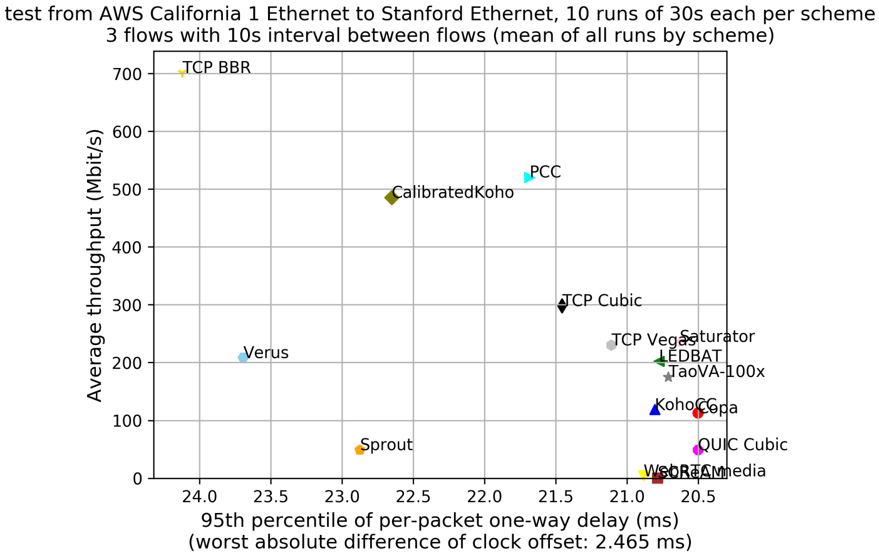
Repeated the test of 15 congestion control schemes 10 times.

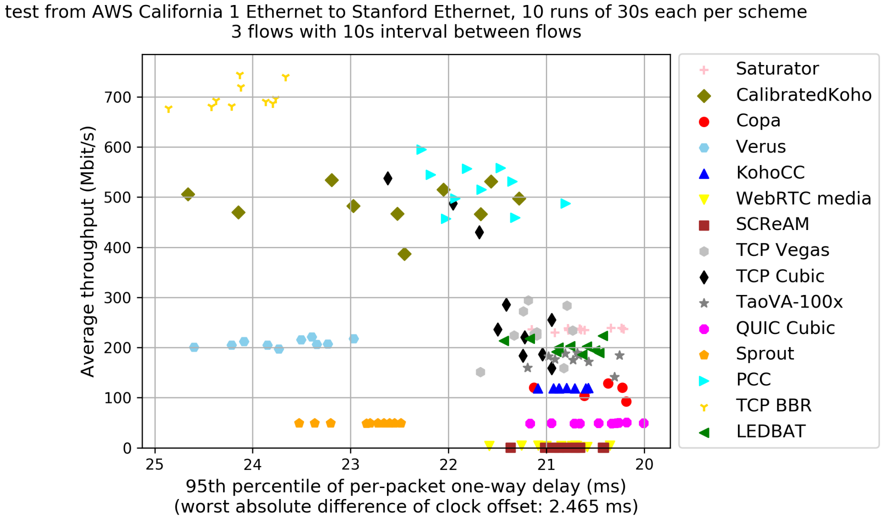
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** AWS California 1 Ethernet **to** Stanford Ethernet.

NTP offset measured against time.stanford.edu.

```
git branch: master @ c3610718e2bbac84102e8ac47b889a75d4392d79
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ c792f8e8e0704b1646a0e024766675d8e9a835f1
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

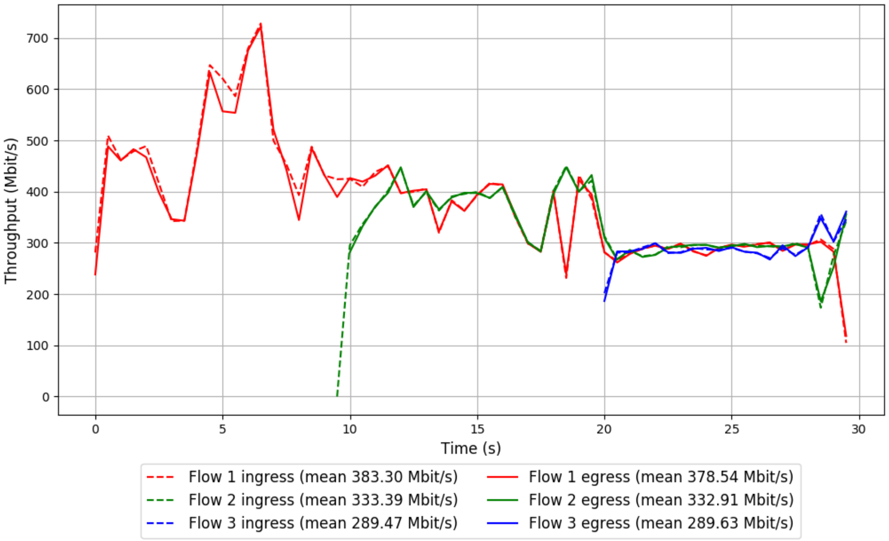

test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)

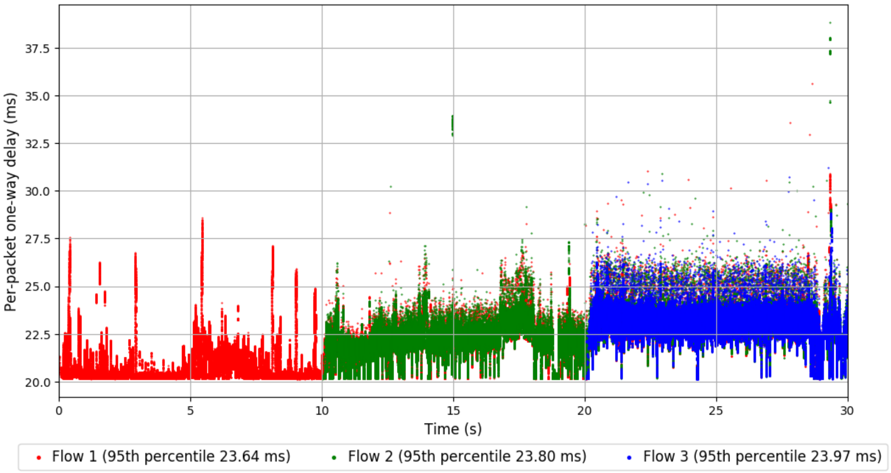

test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows

scheme	# runs	mean avg tput (Mbit/s) flow 1	flow 2	flow 3	mean 95th-%ile delay (ms) flow 1	flow 2	flow 3	mean loss rate (%) flow 1	flow 2	flow 3
TCP BBR	10	381.20	340.98	280.40	23.92	24.12	24.61	1.53	0.18	0.17
CalibratedKoho	10	289.70	251.62	197.06	22.43	22.63	23.01	0.29	0.13	0.15
Copa	10	69.89	37.44	57.98	20.50	20.53	20.50	0.00	0.00	0.00
TCP Cubic	10	142.49	149.98	168.70	21.38	21.45	21.53	0.12	0.10	0.20
KohoCC	10	59.43	59.41	59.21	20.84	20.78	20.74	0.01	0.01	0.01
LEDBAT	10	103.18	100.13	98.19	20.78	20.75	20.81	0.10	0.07	0.03
PCC	10	370.58	183.76	85.72	21.67	21.59	21.24	0.27	0.15	0.23
QUIC Cubic	10	67.39	69.89	69.04	20.50	20.52	20.50	0.01	0.00	0.01
Saturator	10	118.46	118.12	117.92	20.65	20.65	20.63	0.05	0.06	0.06
SCReAM	10	0.22	0.22	0.22	20.78	20.77	20.80	0.01	0.02	0.00
Sprout	10	24.70	24.70	24.41	22.84	22.88	22.49	0.01	0.01	0.00
TaoVA-100x	10	112.27	67.36	55.26	20.68	20.92	20.55	0.12	0.04	0.02
TCP Vegas	10	110.53	117.97	123.25	21.05	21.11	21.27	0.08	0.09	0.12
Verus	10	124.85	92.20	69.64	23.76	23.58	23.59	6.61	5.83	5.10
WebRTC media	10	2.13	1.45	0.54	20.90	20.90	20.98	0.00	0.01	0.00

```
Run 1: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:10:47 +0000
End at: Sun, 09 Jul 2017 20:11:17 +0000
Local clock offset: 0.165 ms
Remote clock offset: -1.3 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:34:30 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 696.42 Mbit/s
95th percentile per-packet one-way delay: 23.766 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 378.54 Mbit/s
95th percentile per-packet one-way delay: 23.642 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 332.91 Mbit/s
95th percentile per-packet one-way delay: 23.795 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 289.63 Mbit/s
95th percentile per-packet one-way delay: 23.967 ms
Loss rate: 0.09%
```

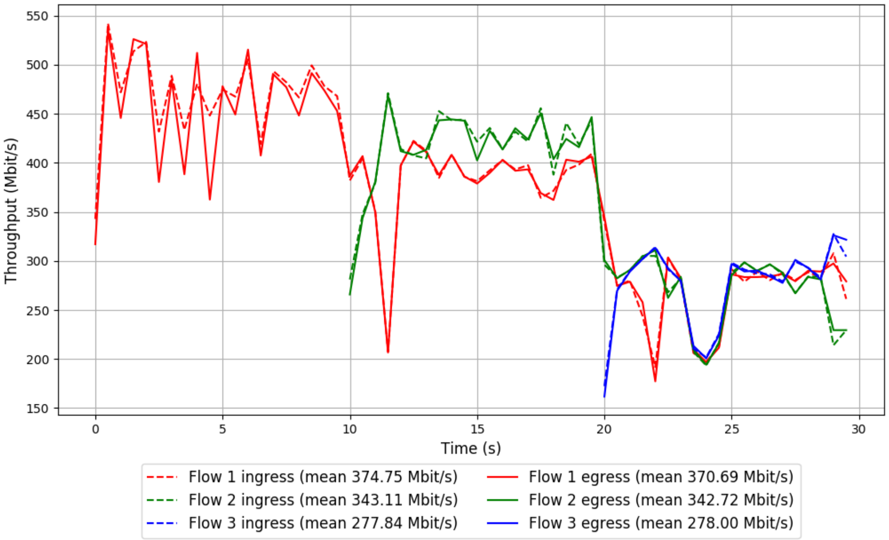
Run 1: Report of TCP BBR — Data Link

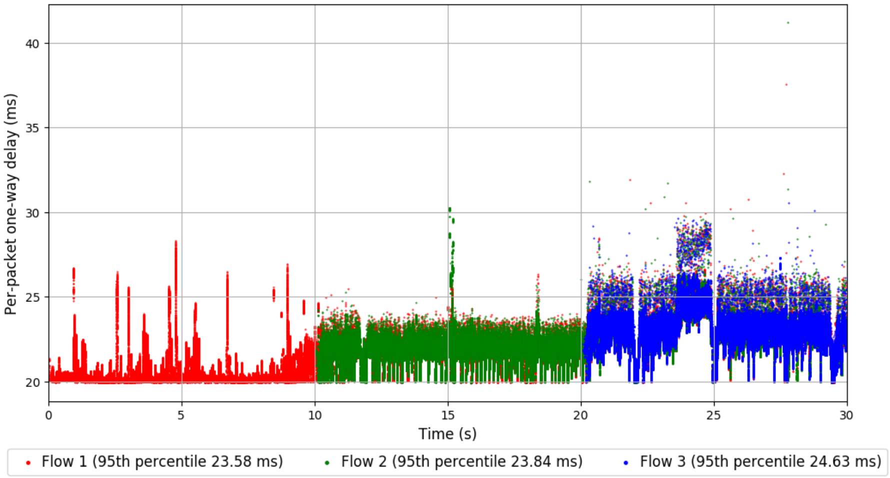




```
Run 2: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:31:51 +0000
End at: Sun, 09 Jul 2017 20:32:21 +0000
Local clock offset: 0.102 ms
Remote clock offset: -1.125 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:34:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 690.78 Mbit/s
95th percentile per-packet one-way delay: 23.868 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 370.69 Mbit/s
95th percentile per-packet one-way delay: 23.584 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 342.72 Mbit/s
95th percentile per-packet one-way delay: 23.841 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 278.00 Mbit/s
95th percentile per-packet one-way delay: 24.629 ms
Loss rate: 0.02%
```

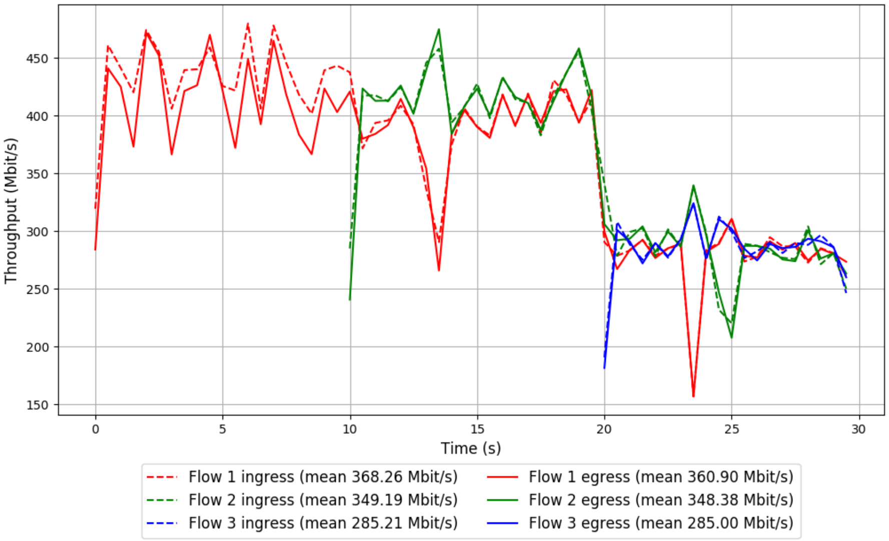
Run 2: Report of TCP BBR — Data Link

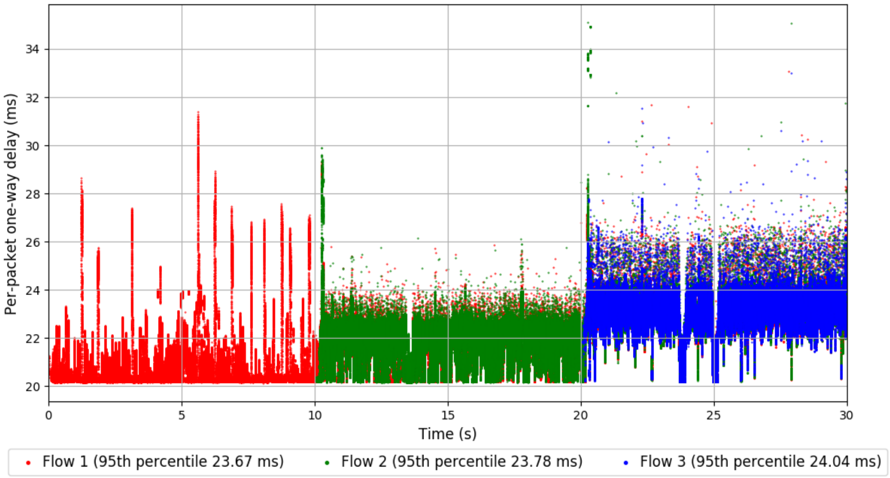




```
Run 3: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:52:56 +0000
End at: Sun, 09 Jul 2017 20:53:26 +0000
Local clock offset: 0.042 ms
Remote clock offset: -1.278 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:35:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 687.36 Mbit/s
95th percentile per-packet one-way delay: 23.797 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 360.90 Mbit/s
95th percentile per-packet one-way delay: 23.673 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 348.38 Mbit/s
95th percentile per-packet one-way delay: 23.780 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 285.00 Mbit/s
95th percentile per-packet one-way delay: 24.042 ms
Loss rate: 0.03%
```

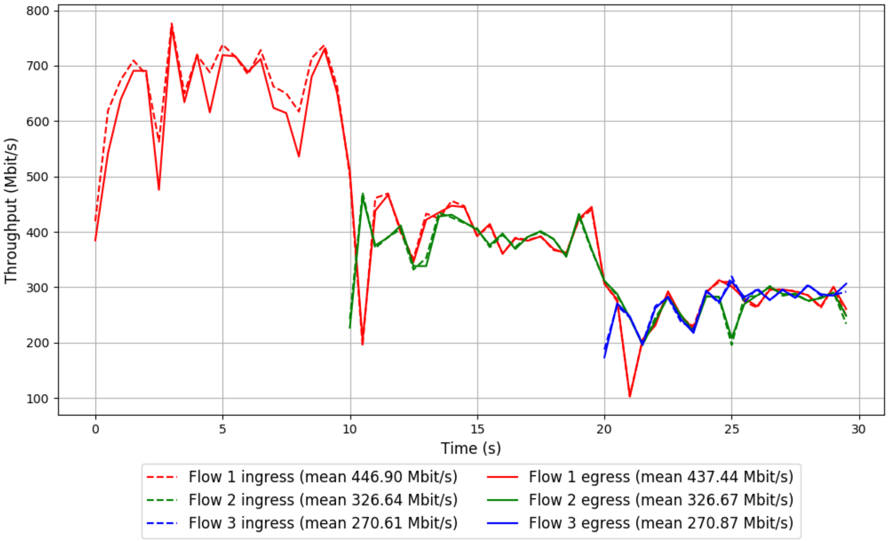
Run 3: Report of TCP BBR — Data Link

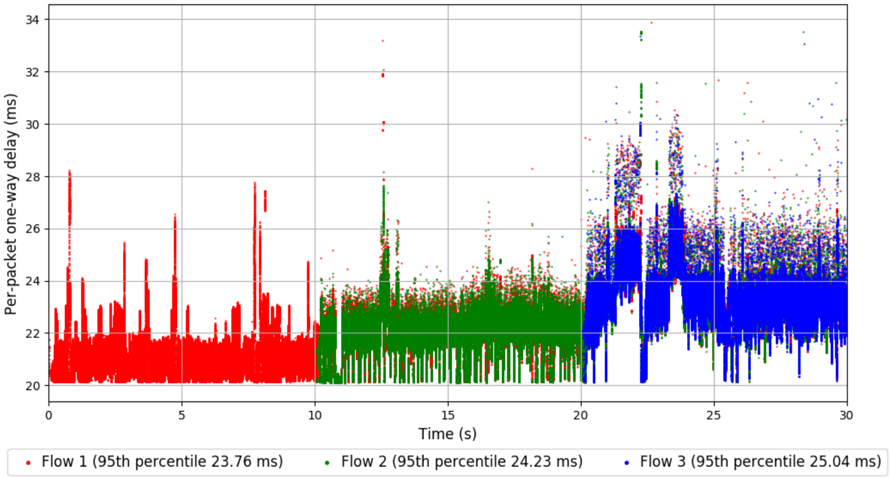




```
Run 4: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:13:44 +0000
End at: Sun, 09 Jul 2017 21:14:14 +0000
Local clock offset: 0.061 ms
Remote clock offset: -1.476 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:36:06 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 744.72 Mbit/s
95th percentile per-packet one-way delay: 24.134 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 437.44 Mbit/s
95th percentile per-packet one-way delay: 23.759 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 326.67 Mbit/s
95th percentile per-packet one-way delay: 24.225 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 270.87 Mbit/s
95th percentile per-packet one-way delay: 25.038 ms
Loss rate: 0.00%
```

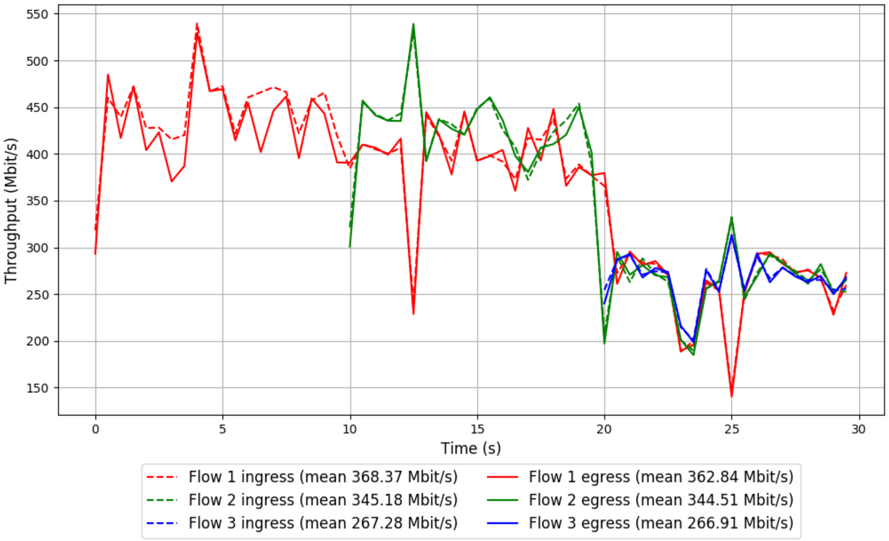
Run 4: Report of TCP BBR — Data Link

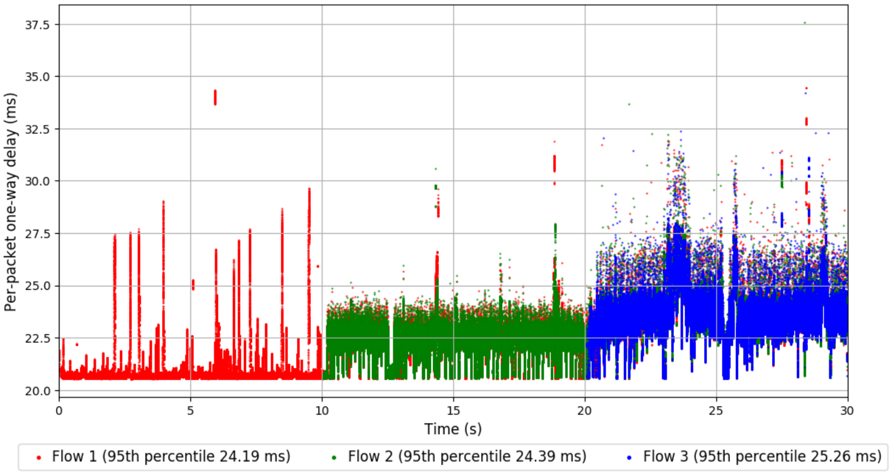




```
Run 5: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:34:38 +0000
End at: Sun, 09 Jul 2017 21:35:08 +0000
Local clock offset: -0.052 ms
Remote clock offset: -1.891 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:37:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 680.75 Mbit/s
95th percentile per-packet one-way delay: 24.421 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 362.84 Mbit/s
95th percentile per-packet one-way delay: 24.187 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 344.51 Mbit/s
95th percentile per-packet one-way delay: 24.390 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 266.91 Mbit/s
95th percentile per-packet one-way delay: 25.261 ms
Loss rate: 0.14%
```

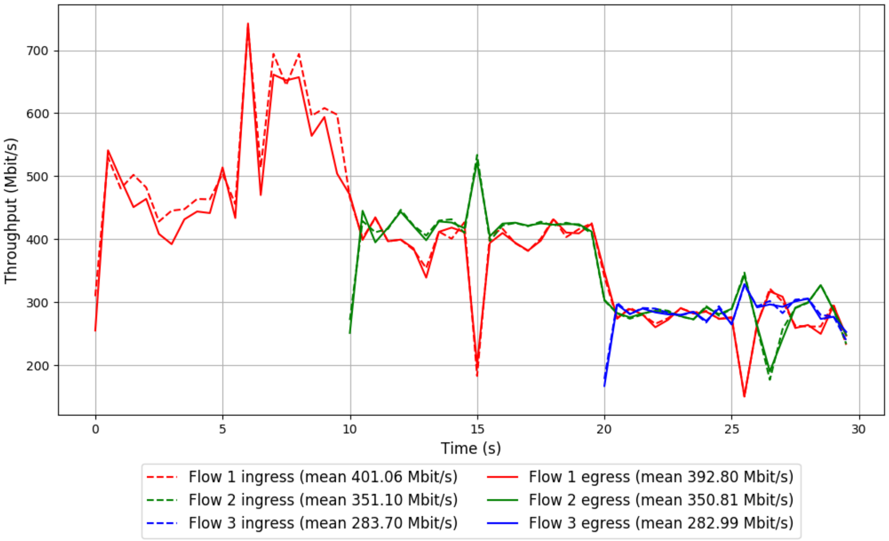
Run 5: Report of TCP BBR — Data Link

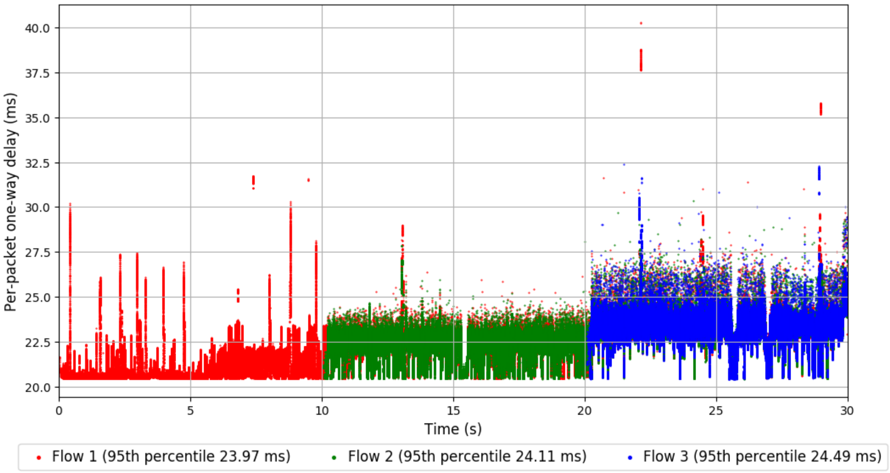




```
Run 6: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:55:23 +0000
End at: Sun, 09 Jul 2017 21:55:53 +0000
Local clock offset: 0.058 ms
Remote clock offset: -1.765 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:37:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 719.81 Mbit/s
95th percentile per-packet one-way delay: 24.123 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 392.80 Mbit/s
95th percentile per-packet one-way delay: 23.971 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 350.81 Mbit/s
95th percentile per-packet one-way delay: 24.109 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 282.99 Mbit/s
95th percentile per-packet one-way delay: 24.489 ms
Loss rate: 0.25%
```

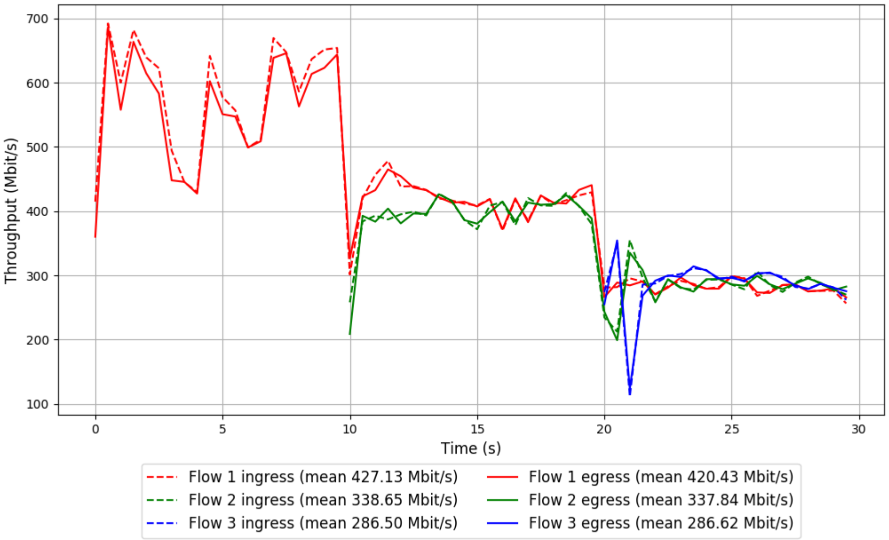
Run 6: Report of TCP BBR — Data Link

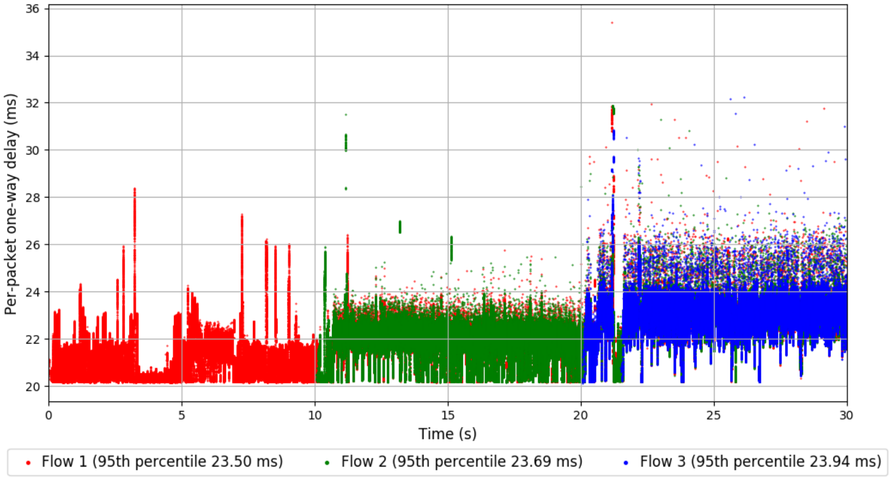




```
Run 7: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:15:55 +0000
End at: Sun, 09 Jul 2017 22:16:25 +0000
Local clock offset: 0.163 ms
Remote clock offset: -1.285 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:39:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 740.34 Mbit/s
95th percentile per-packet one-way delay: 23.664 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 420.43 Mbit/s
95th percentile per-packet one-way delay: 23.496 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 337.84 Mbit/s
95th percentile per-packet one-way delay: 23.688 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 286.62 Mbit/s
95th percentile per-packet one-way delay: 23.940 ms
Loss rate: 0.06%
```

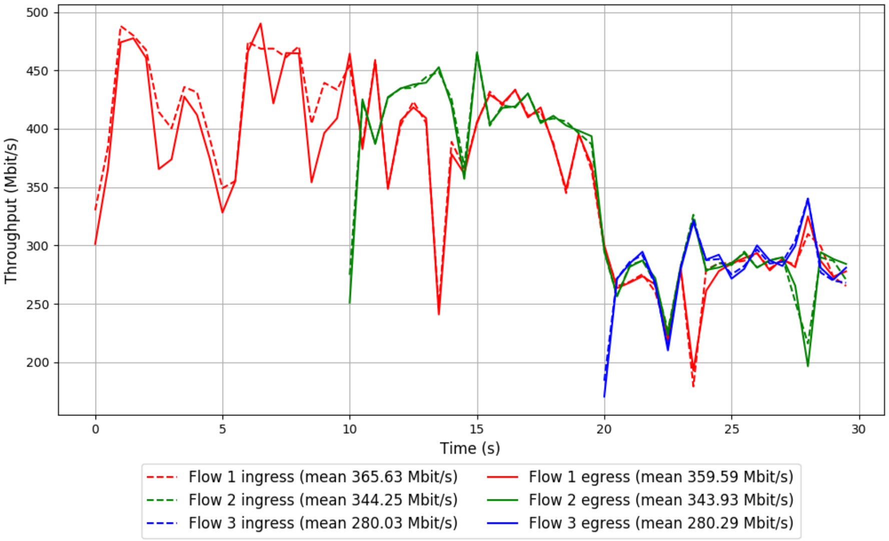
Run 7: Report of TCP BBR — Data Link

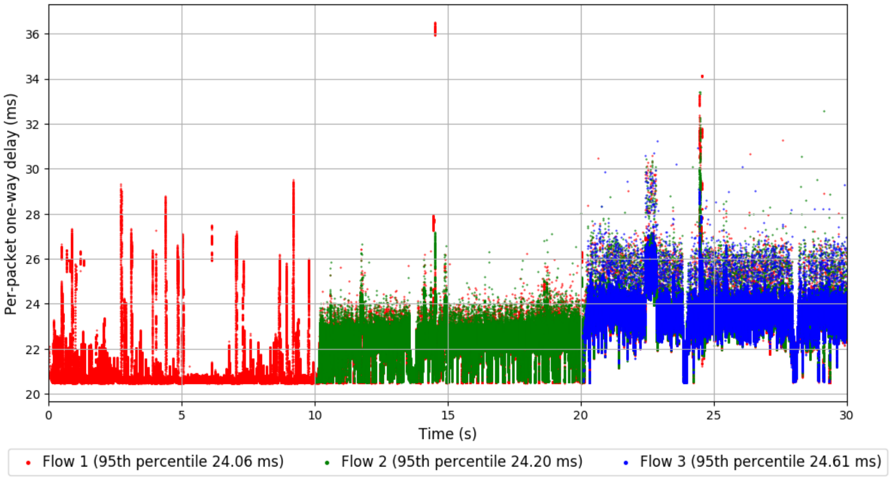




```
Run 8: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:36:42 +0000
End at: Sun, 09 Jul 2017 22:37:12 +0000
Local clock offset: 0.282 ms
Remote clock offset: -1.581 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:39:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 681.62 Mbit/s
95th percentile per-packet one-way delay: 24.217 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 359.59 Mbit/s
95th percentile per-packet one-way delay: 24.059 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 343.93 Mbit/s
95th percentile per-packet one-way delay: 24.200 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 280.29 Mbit/s
95th percentile per-packet one-way delay: 24.609 ms
Loss rate: 0.05%
```

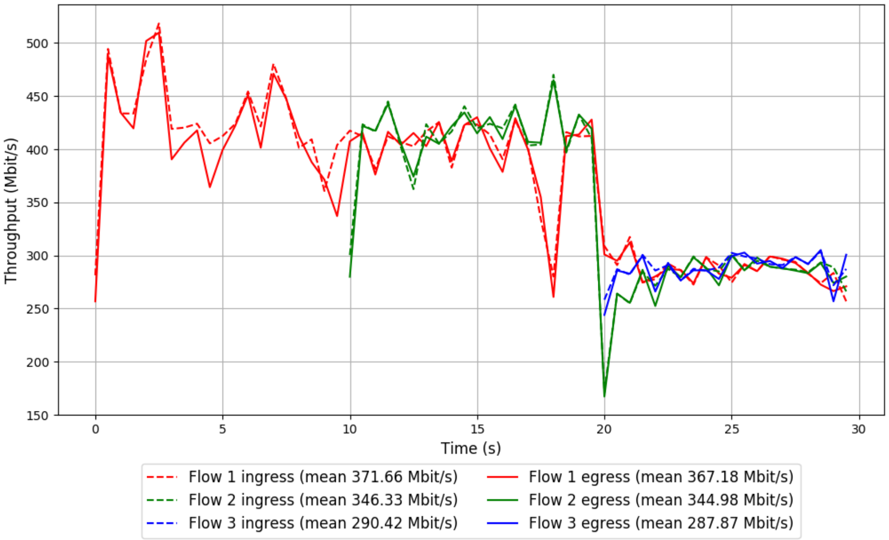
Run 8: Report of TCP BBR — Data Link

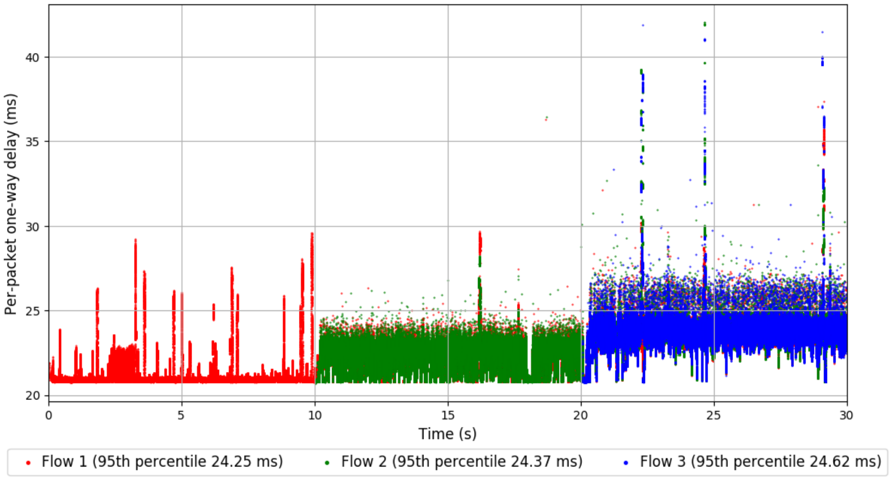




```
Run 9: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:57:20 +0000
End at: Sun, 09 Jul 2017 22:57:50 +0000
Local clock offset: 0.477 ms
Remote clock offset: -1.544 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:40:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 692.56 Mbit/s
95th percentile per-packet one-way delay: 24.376 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 367.18 Mbit/s
95th percentile per-packet one-way delay: 24.248 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 344.98 Mbit/s
95th percentile per-packet one-way delay: 24.372 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 287.87 Mbit/s
95th percentile per-packet one-way delay: 24.619 ms
Loss rate: 0.86%
```

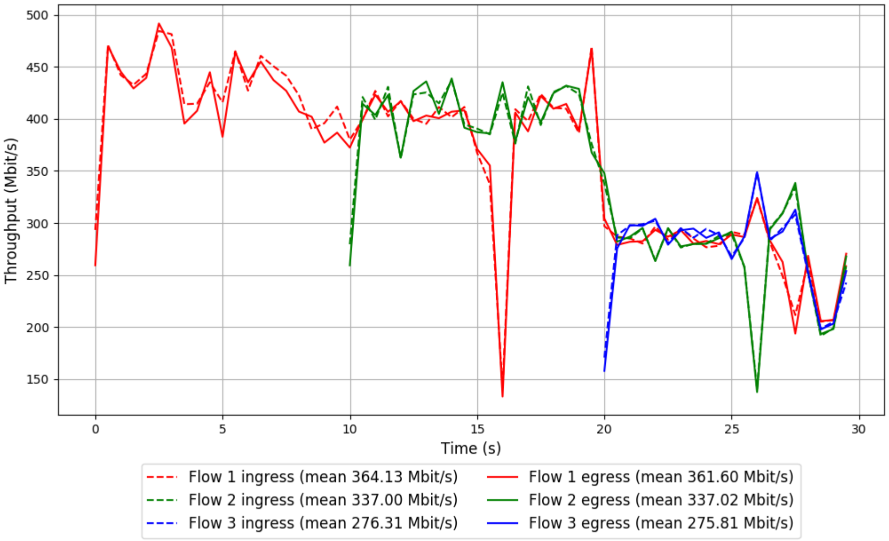
Run 9: Report of TCP BBR — Data Link

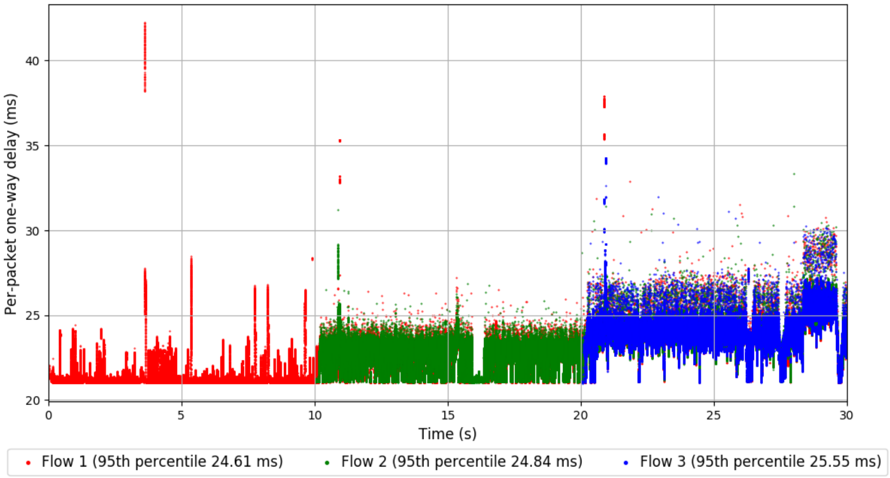




```
Run 10: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:18:05 +0000
End at: Sun, 09 Jul 2017 23:18:35 +0000
Local clock offset: 0.567 ms
Remote clock offset: -1.751 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:40:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 677.36 Mbit/s
95th percentile per-packet one-way delay: 24.859 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 361.60 Mbit/s
95th percentile per-packet one-way delay: 24.611 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 337.02 Mbit/s
95th percentile per-packet one-way delay: 24.835 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 275.81 Mbit/s
95th percentile per-packet one-way delay: 25.545 ms
Loss rate: 0.23%
```

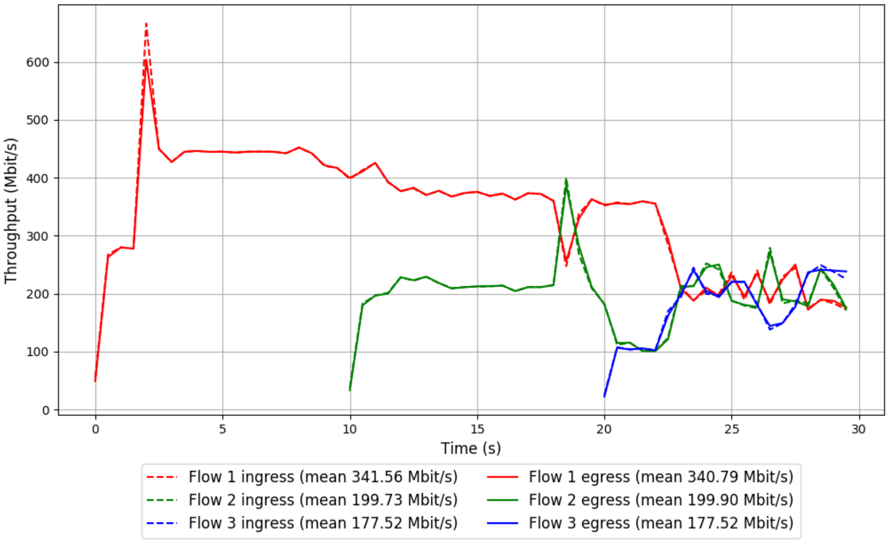
Run 10: Report of TCP BBR — Data Link

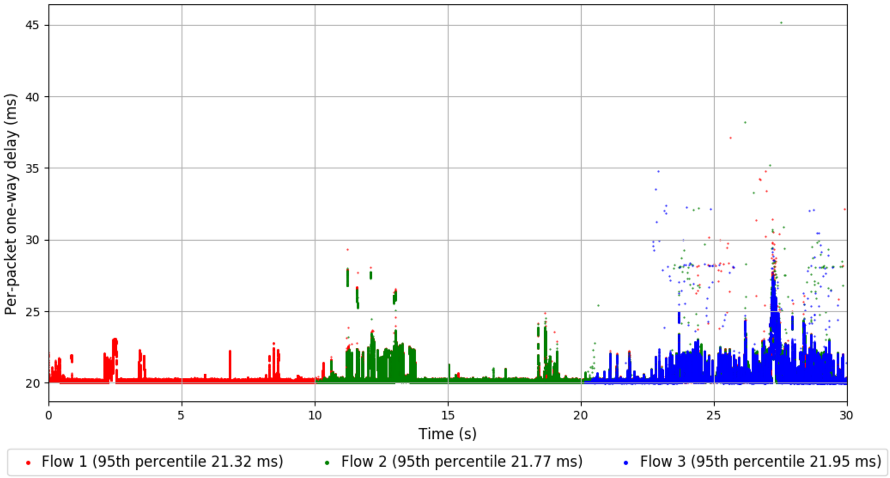




```
Run 1: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:17:34 +0000
End at: Sun, 09 Jul 2017 20:18:04 +0000
Local clock offset: 0.152 ms
Remote clock offset: -1.136 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:41:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.64 Mbit/s
95th percentile per-packet one-way delay: 21.566 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 340.79 Mbit/s
95th percentile per-packet one-way delay: 21.319 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 199.90 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 177.52 Mbit/s
95th percentile per-packet one-way delay: 21.951 ms
Loss rate: 0.00%
```

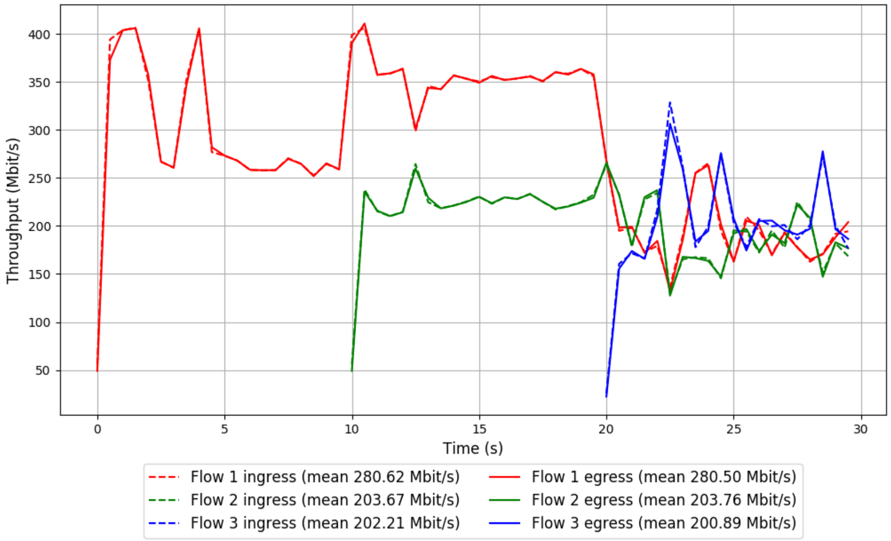
Run 1: Report of CalibratedKoho — Data Link

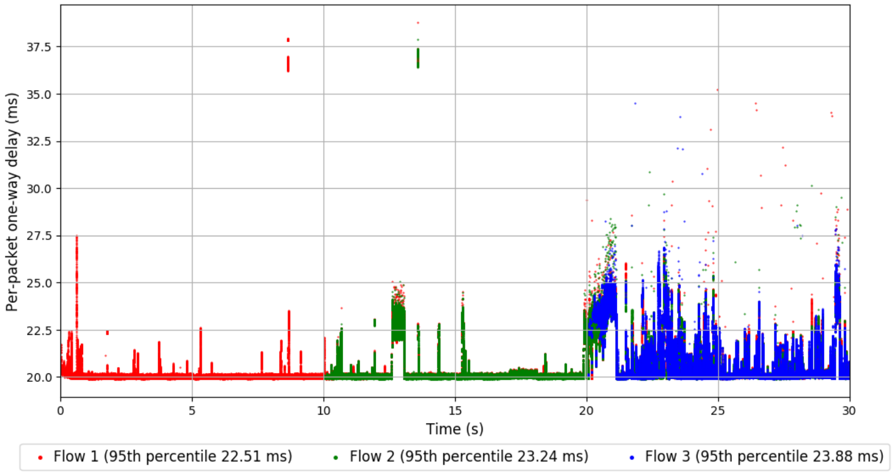




```
Run 2: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:38:38 +0000
End at: Sun, 09 Jul 2017 20:39:08 +0000
Local clock offset: 0.181 ms
Remote clock offset: -1.104 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:41:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 482.62 Mbit/s
95th percentile per-packet one-way delay: 22.974 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 280.50 Mbit/s
95th percentile per-packet one-way delay: 22.507 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 203.76 Mbit/s
95th percentile per-packet one-way delay: 23.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 200.89 Mbit/s
95th percentile per-packet one-way delay: 23.883 ms
Loss rate: 0.66%
```

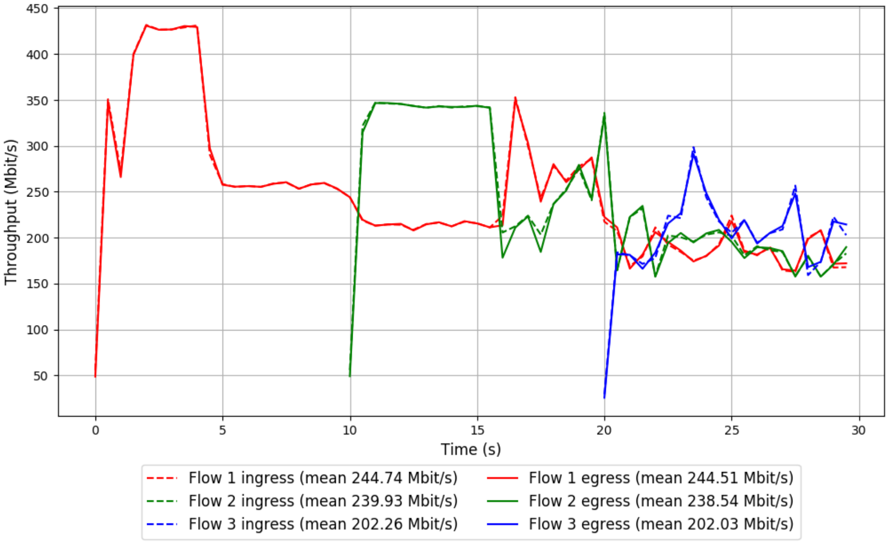
Run 2: Report of CalibratedKoho — Data Link

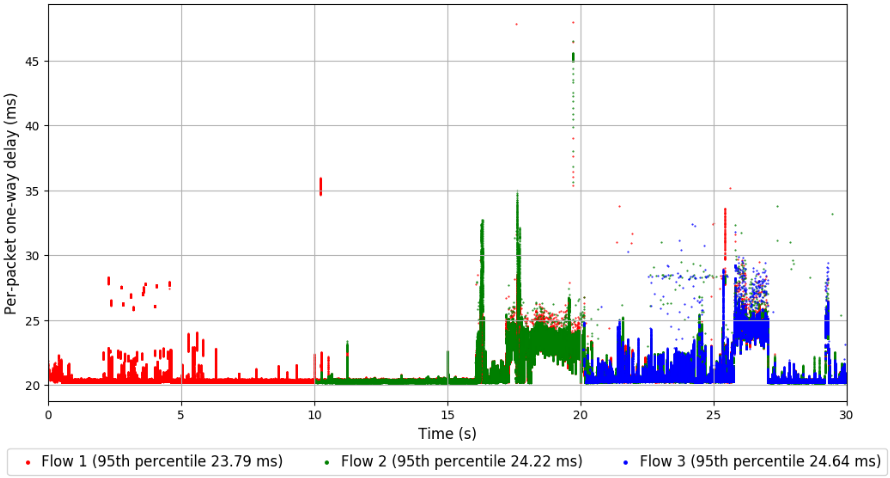




```
Run 3: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:59:43 +0000
End at: Sun, 09 Jul 2017 21:00:13 +0000
Local clock offset: 0.015 ms
Remote clock offset: -1.409 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:42:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.97 Mbit/s
95th percentile per-packet one-way delay: 24.148 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 244.51 Mbit/s
95th percentile per-packet one-way delay: 23.792 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 238.54 Mbit/s
95th percentile per-packet one-way delay: 24.220 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 202.03 Mbit/s
95th percentile per-packet one-way delay: 24.642 ms
Loss rate: 0.14%
```

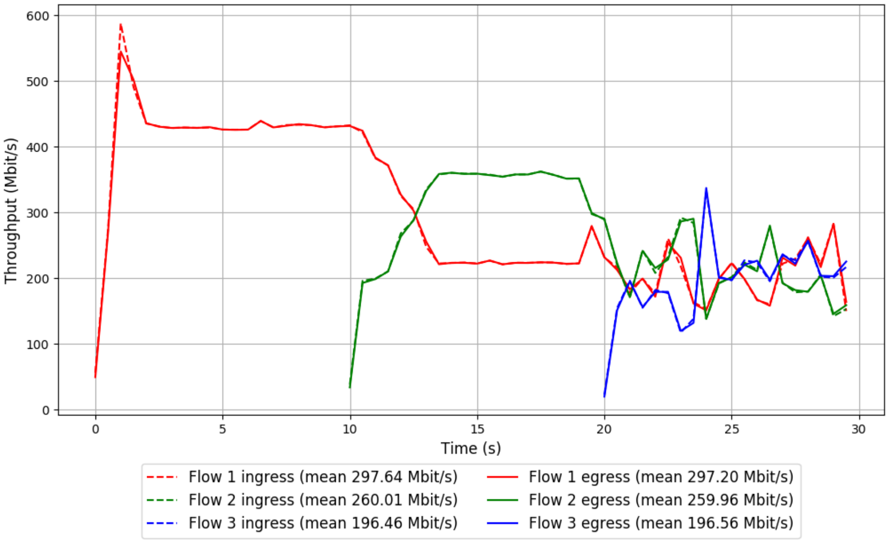
Run 3: Report of CalibratedKoho — Data Link

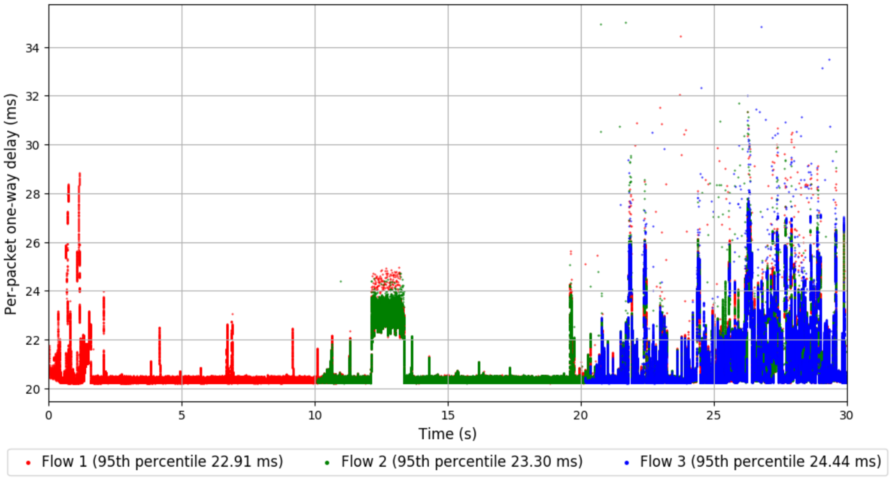




```
Run 4: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:20:35 +0000
End at: Sun, 09 Jul 2017 21:21:05 +0000
Local clock offset: -0.092 ms
Remote clock offset: -1.603 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:42:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 534.16 Mbit/s
95th percentile per-packet one-way delay: 23.195 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 297.20 Mbit/s
95th percentile per-packet one-way delay: 22.905 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 259.96 Mbit/s
95th percentile per-packet one-way delay: 23.298 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 196.56 Mbit/s
95th percentile per-packet one-way delay: 24.441 ms
Loss rate: 0.00%
```

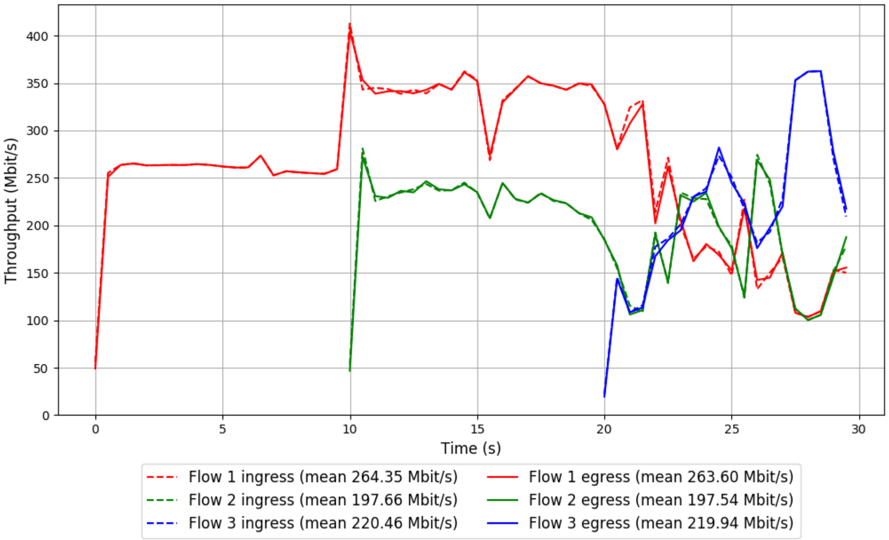
Run 4: Report of CalibratedKoho — Data Link

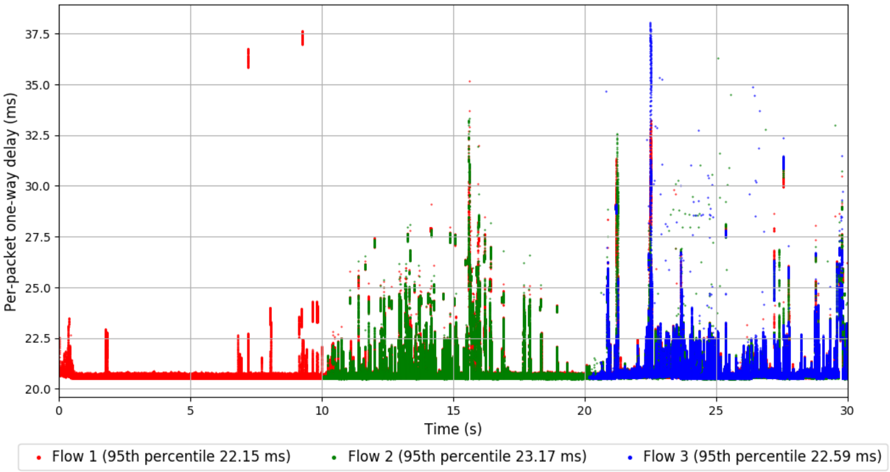




```
Run 5: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:41:26 +0000
End at: Sun, 09 Jul 2017 21:41:56 +0000
Local clock offset: -0.035 ms
Remote clock offset: -1.871 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:43:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 467.10 Mbit/s
95th percentile per-packet one-way delay: 22.523 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 263.60 Mbit/s
95th percentile per-packet one-way delay: 22.146 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 197.54 Mbit/s
95th percentile per-packet one-way delay: 23.166 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 219.94 Mbit/s
95th percentile per-packet one-way delay: 22.594 ms
Loss rate: 0.33%
```

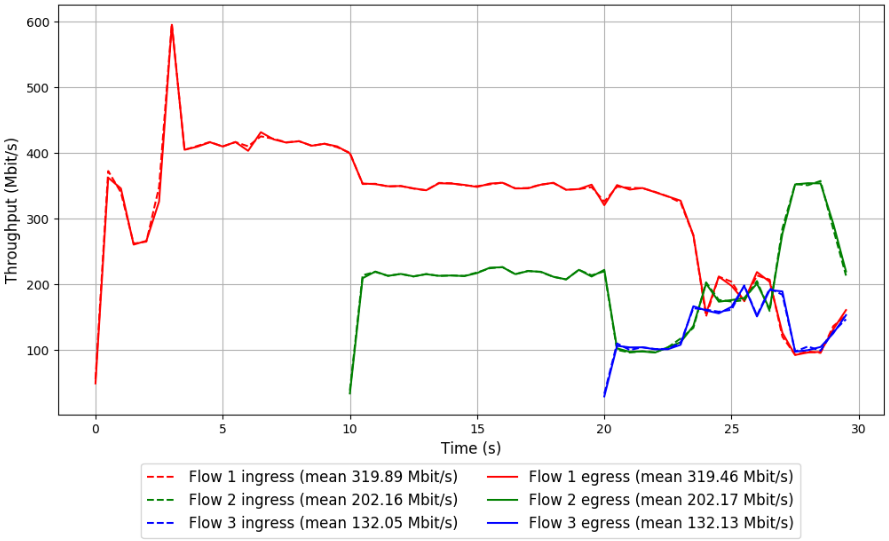
Run 5: Report of CalibratedKoho — Data Link

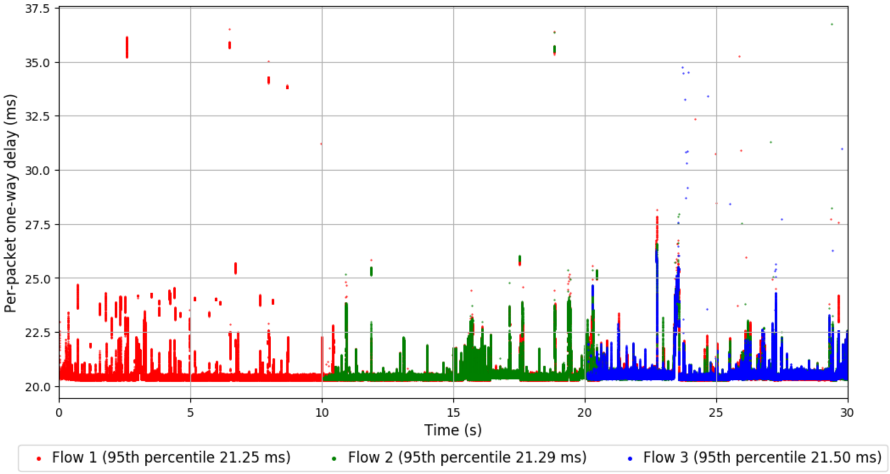




```
Run 6: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:02:13 +0000
End at: Sun, 09 Jul 2017 22:02:43 +0000
Local clock offset: 0.08 ms
Remote clock offset: -1.584 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:43:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.33 Mbit/s
95th percentile per-packet one-way delay: 21.279 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 319.46 Mbit/s
95th percentile per-packet one-way delay: 21.255 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 202.17 Mbit/s
95th percentile per-packet one-way delay: 21.286 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 132.13 Mbit/s
95th percentile per-packet one-way delay: 21.500 ms
Loss rate: 0.02%
```

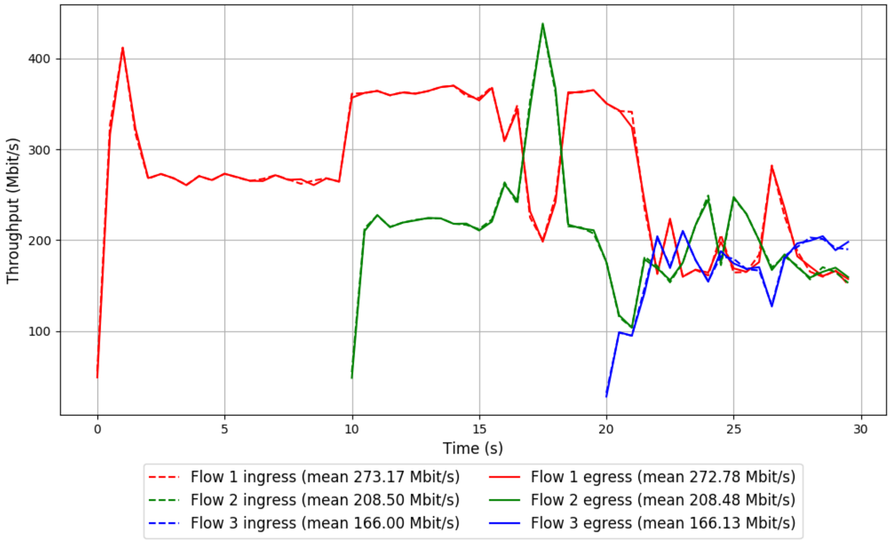
Run 6: Report of CalibratedKoho — Data Link

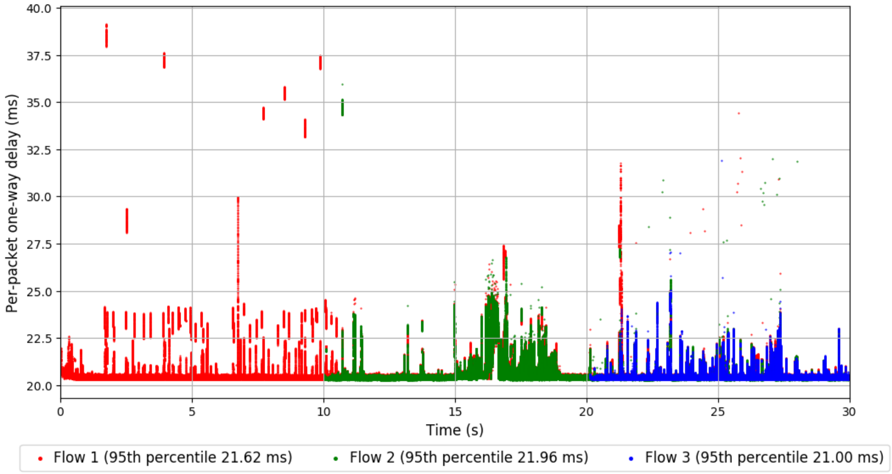




```
Run 7: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:22:44 +0000
End at: Sun, 09 Jul 2017 22:23:15 +0000
Local clock offset: 0.186 ms
Remote clock offset: -1.443 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:44:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.32 Mbit/s
95th percentile per-packet one-way delay: 21.672 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 272.78 Mbit/s
95th percentile per-packet one-way delay: 21.621 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 208.48 Mbit/s
95th percentile per-packet one-way delay: 21.957 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 166.13 Mbit/s
95th percentile per-packet one-way delay: 20.999 ms
Loss rate: 0.01%
```

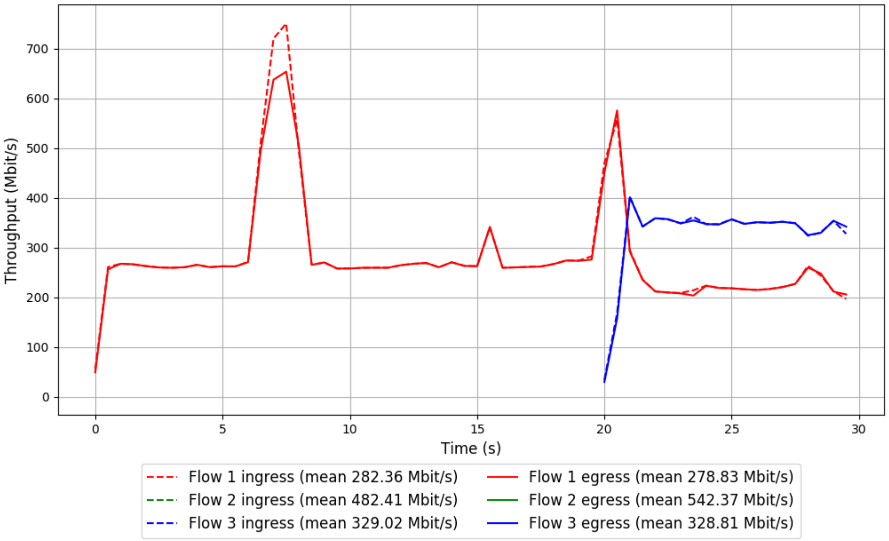
Run 7: Report of CalibratedKoho — Data Link

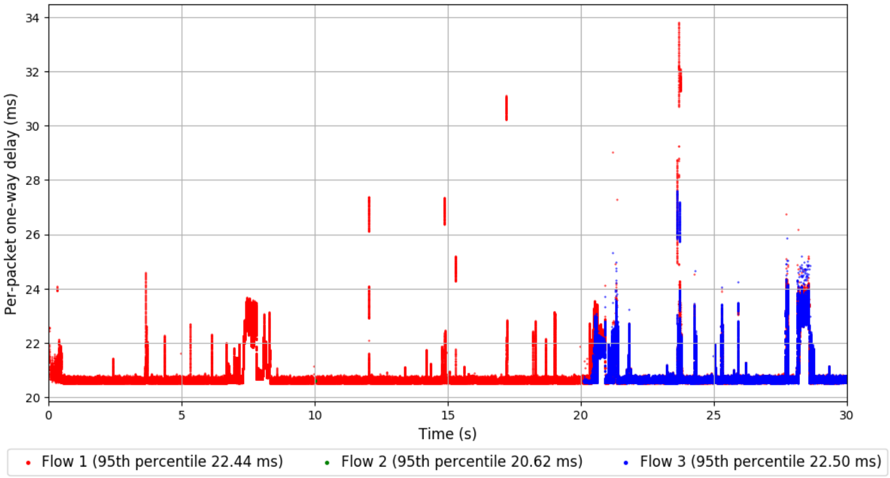




```
Run 8: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:43:28 +0000
End at: Sun, 09 Jul 2017 22:43:58 +0000
Local clock offset: 0.332 ms
Remote clock offset: -1.542 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:44:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.25 Mbit/s
95th percentile per-packet one-way delay: 22.451 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 278.83 Mbit/s
95th percentile per-packet one-way delay: 22.441 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 542.37 Mbit/s
95th percentile per-packet one-way delay: 20.617 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 328.81 Mbit/s
95th percentile per-packet one-way delay: 22.501 ms
Loss rate: 0.13%
```

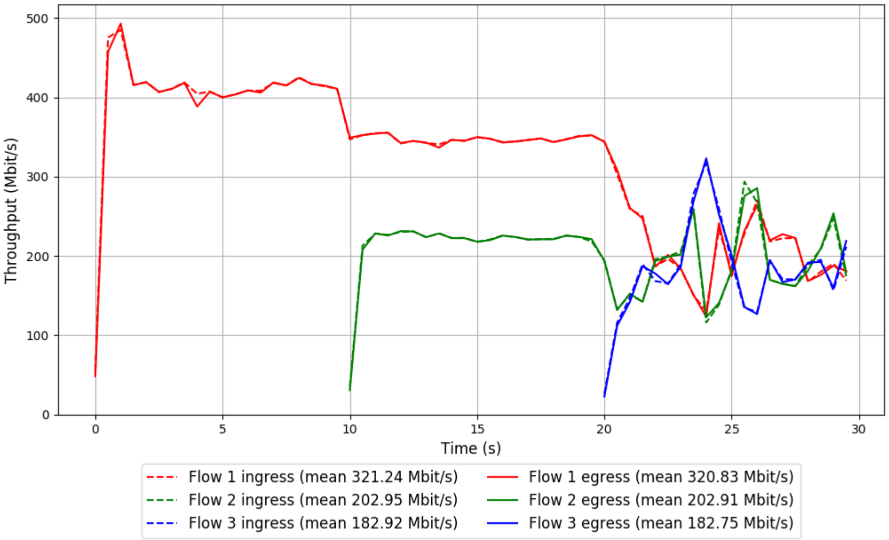
Run 8: Report of CalibratedKoho — Data Link

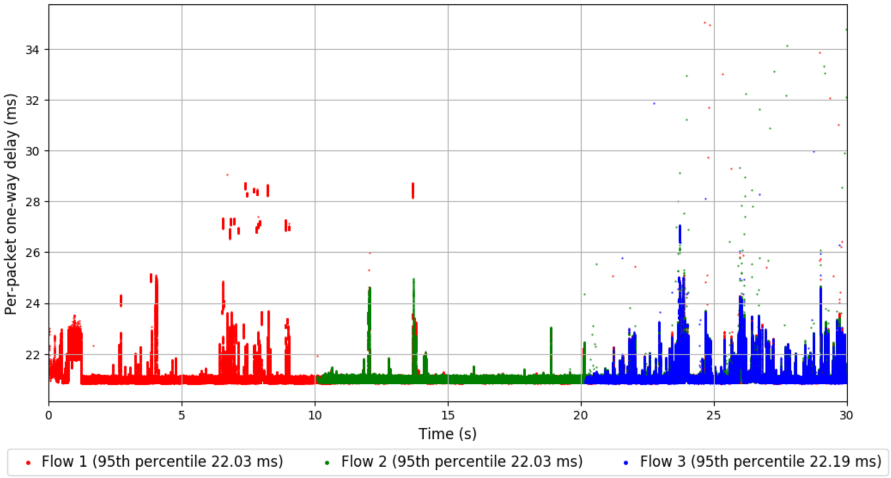




```
Run 9: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:04:08 +0000
End at: Sun, 09 Jul 2017 23:04:38 +0000
Local clock offset: 0.455 ms
Remote clock offset: -1.694 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:46:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 515.42 Mbit/s
95th percentile per-packet one-way delay: 22.052 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 320.83 Mbit/s
95th percentile per-packet one-way delay: 22.033 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 202.91 Mbit/s
95th percentile per-packet one-way delay: 22.026 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 182.75 Mbit/s
95th percentile per-packet one-way delay: 22.187 ms
Loss rate: 0.17%
```

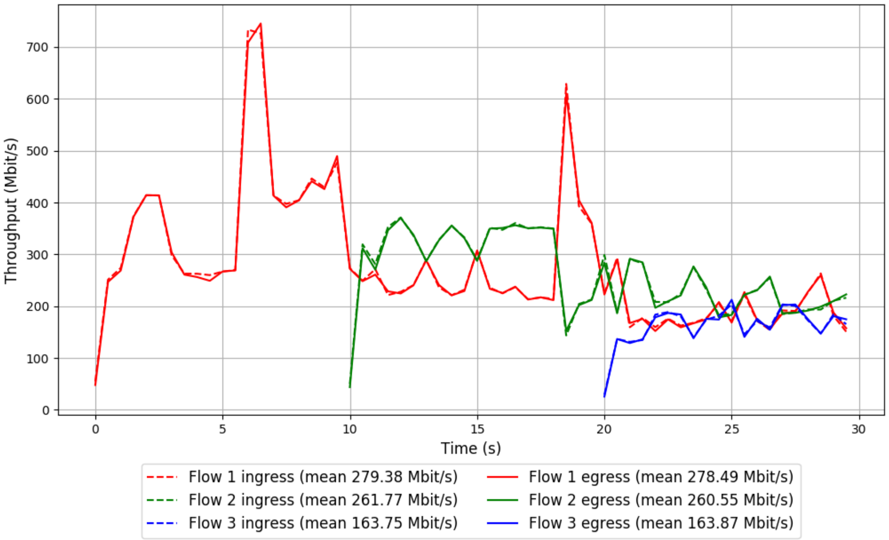
Run 9: Report of CalibratedKoho — Data Link

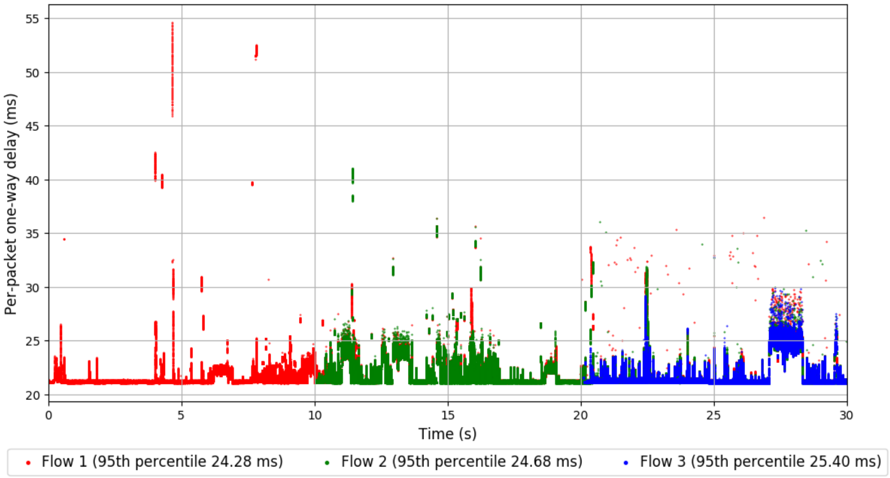




```
Run 10: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:24:51 +0000
End at: Sun, 09 Jul 2017 23:25:21 +0000
Local clock offset: 0.69 ms
Remote clock offset: -1.775 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:46:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 505.83 Mbit/s
95th percentile per-packet one-way delay: 24.663 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 278.49 Mbit/s
95th percentile per-packet one-way delay: 24.280 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 260.55 Mbit/s
95th percentile per-packet one-way delay: 24.683 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 163.87 Mbit/s
95th percentile per-packet one-way delay: 25.399 ms
Loss rate: 0.06%
```

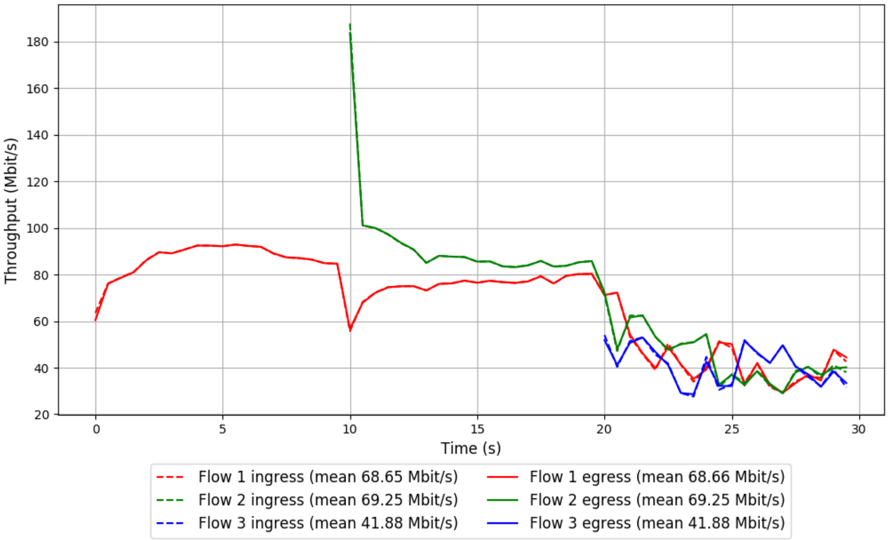
Run 10: Report of CalibratedKoho — Data Link

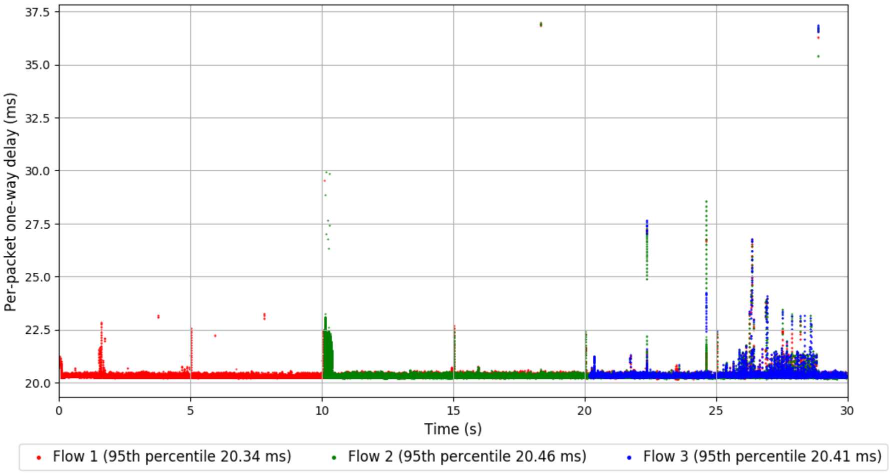




```
Run 1: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:06:34 +0000
End at: Sun, 09 Jul 2017 20:07:04 +0000
Local clock offset: 0.28 ms
Remote clock offset: -1.357 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:46:31 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.44 Mbit/s
95th percentile per-packet one-way delay: 20.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.66 Mbit/s
95th percentile per-packet one-way delay: 20.345 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.25 Mbit/s
95th percentile per-packet one-way delay: 20.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 20.408 ms
Loss rate: 0.00%
```

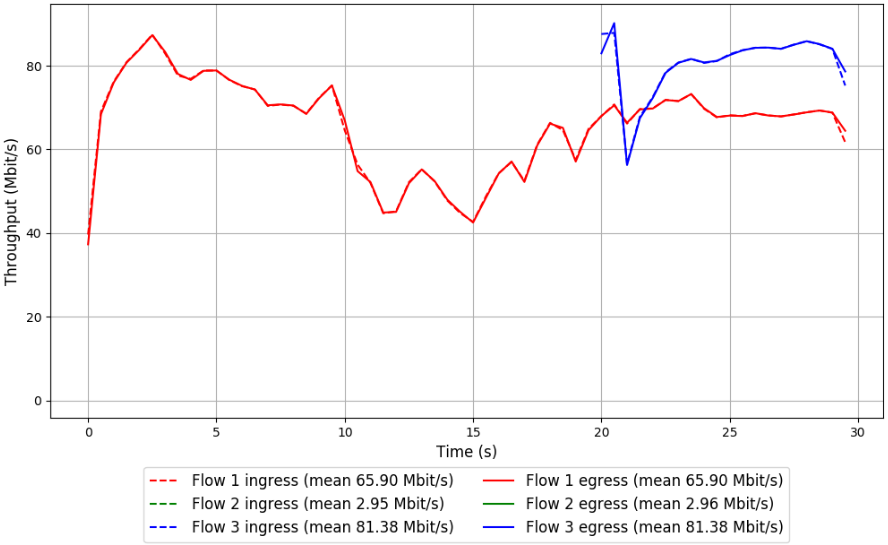
Run 1: Report of Copa — Data Link

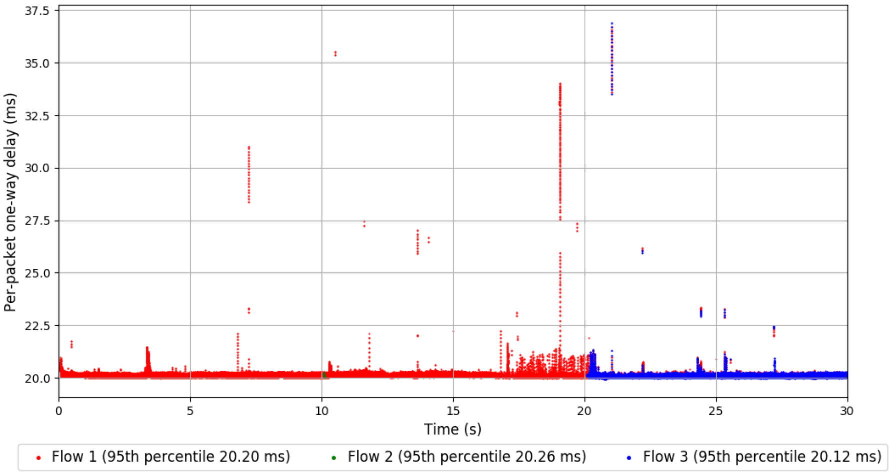




```
Run 2: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:27:42 +0000
End at: Sun, 09 Jul 2017 20:28:12 +0000
Local clock offset: 0.205 ms
Remote clock offset: -1.194 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:46:31 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 20.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 20.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 20.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.38 Mbit/s
95th percentile per-packet one-way delay: 20.121 ms
Loss rate: 0.00%
```

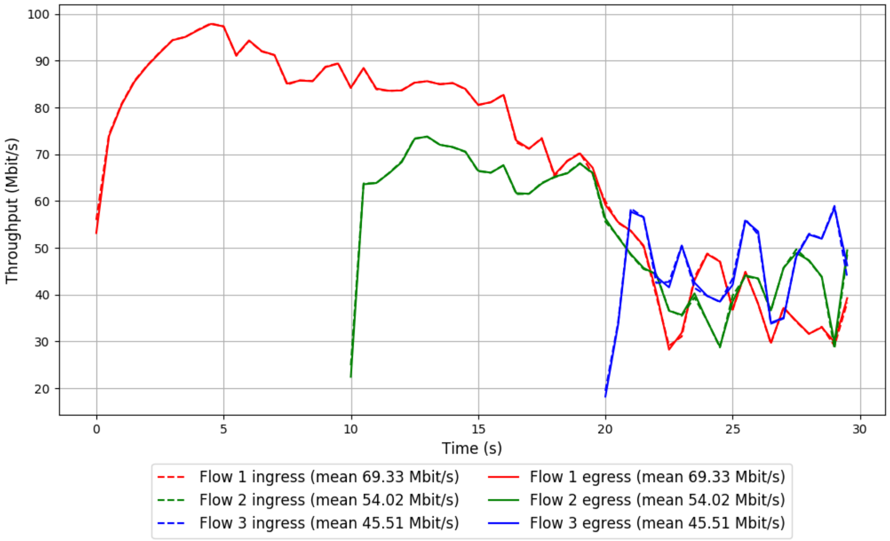
Run 2: Report of Copa — Data Link

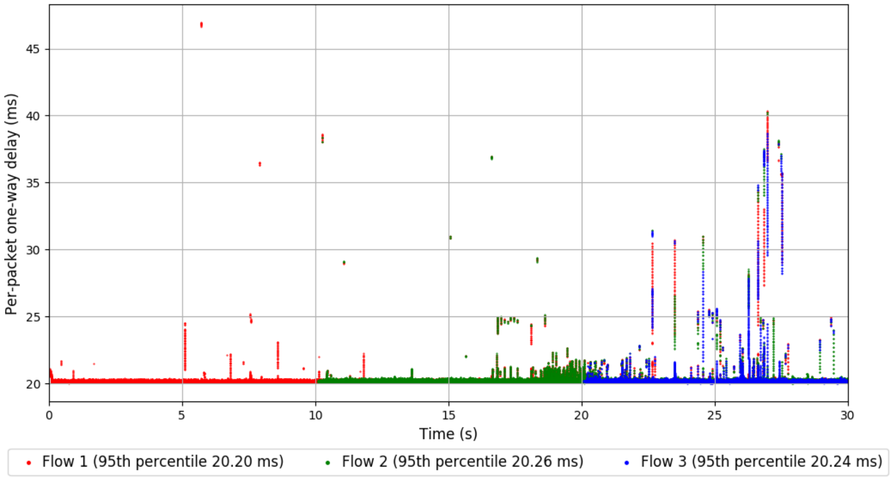




```
Run 3: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:48:41 +0000
End at: Sun, 09 Jul 2017 20:49:11 +0000
Local clock offset: 0.059 ms
Remote clock offset: -1.338 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:46:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.21 Mbit/s
95th percentile per-packet one-way delay: 20.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 20.202 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 20.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 20.239 ms
Loss rate: 0.00%
```

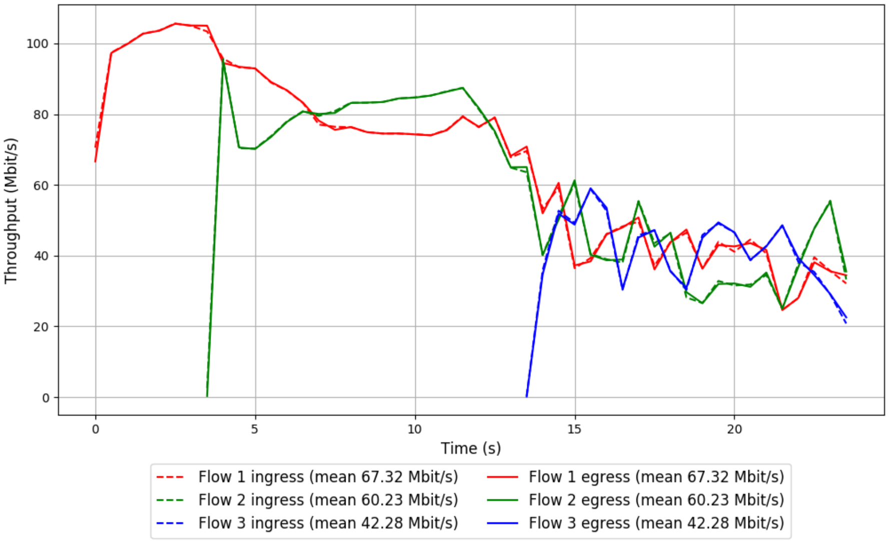
Run 3: Report of Copa — Data Link

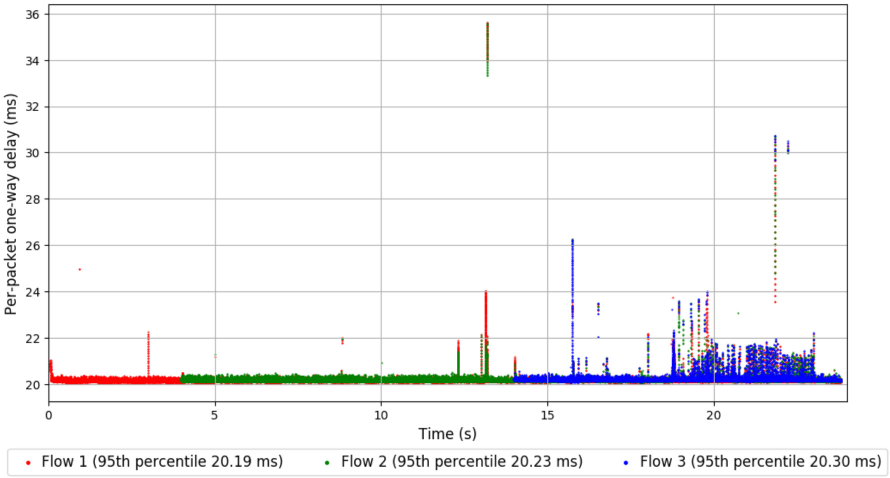




```
Run 4: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:09:35 +0000
End at: Sun, 09 Jul 2017 21:10:05 +0000
Local clock offset: -0.032 ms
Remote clock offset: -1.448 ms
```

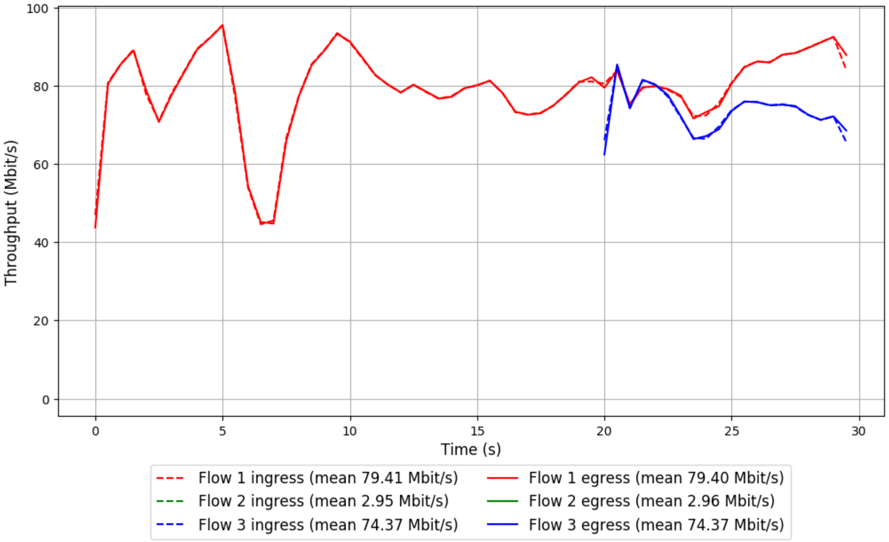
Run 4: Report of Copa — Data Link

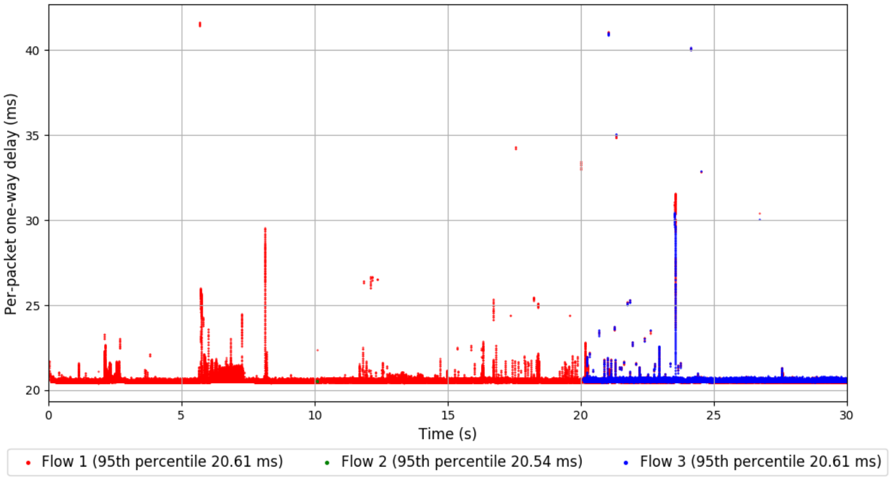




```
Run 5: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:30:28 +0000
End at: Sun, 09 Jul 2017 21:30:58 +0000
Local clock offset: 0.026 ms
Remote clock offset: -1.769 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:47:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.97 Mbit/s
95th percentile per-packet one-way delay: 20.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 20.613 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 20.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 20.609 ms
Loss rate: 0.00%
```

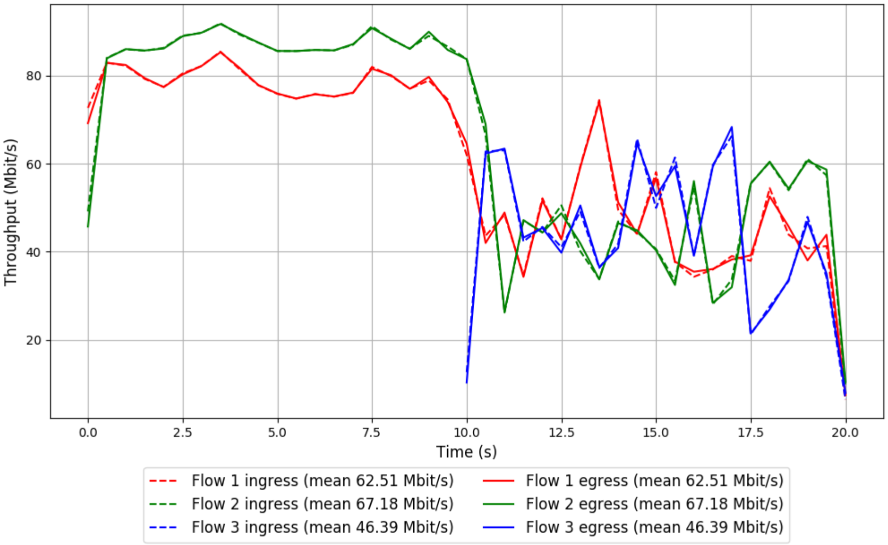
Run 5: Report of Copa — Data Link

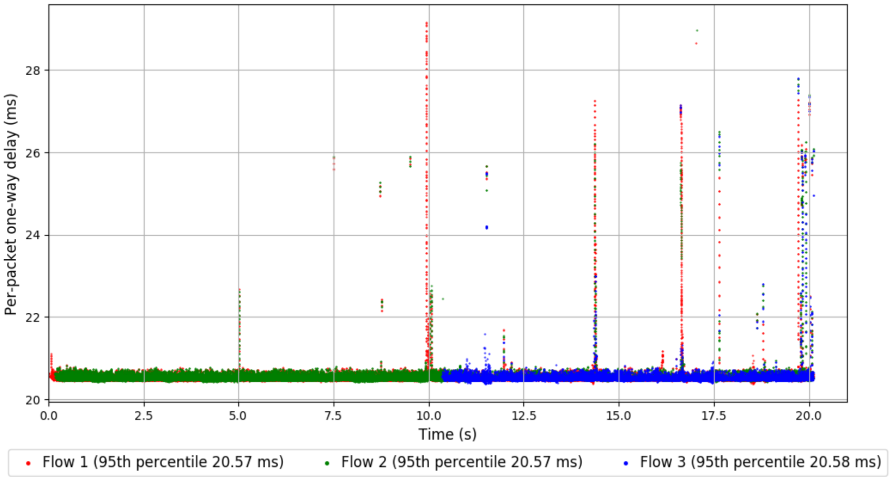




```
Run 6: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:51:12 +0000
End at: Sun, 09 Jul 2017 21:51:42 +0000
Local clock offset: -0.016 ms
Remote clock offset: -1.727 ms
```

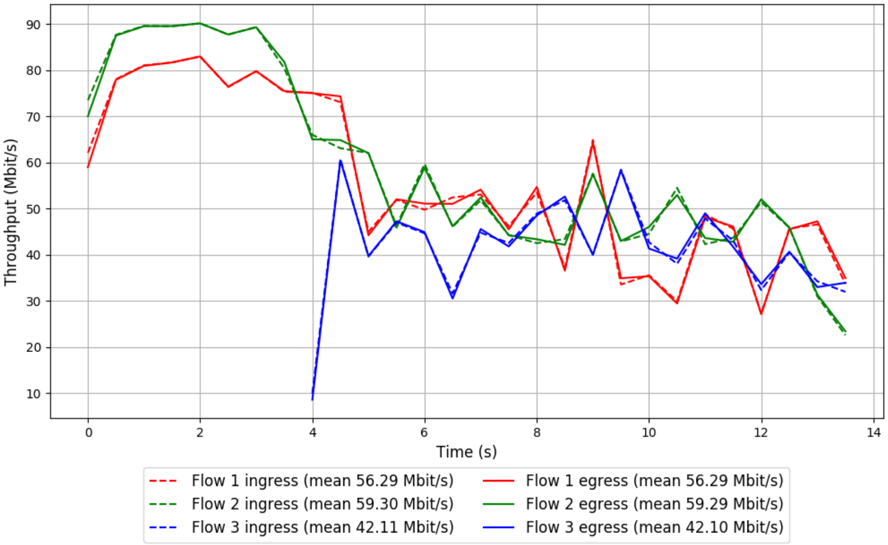
Run 6: Report of Copa — Data Link

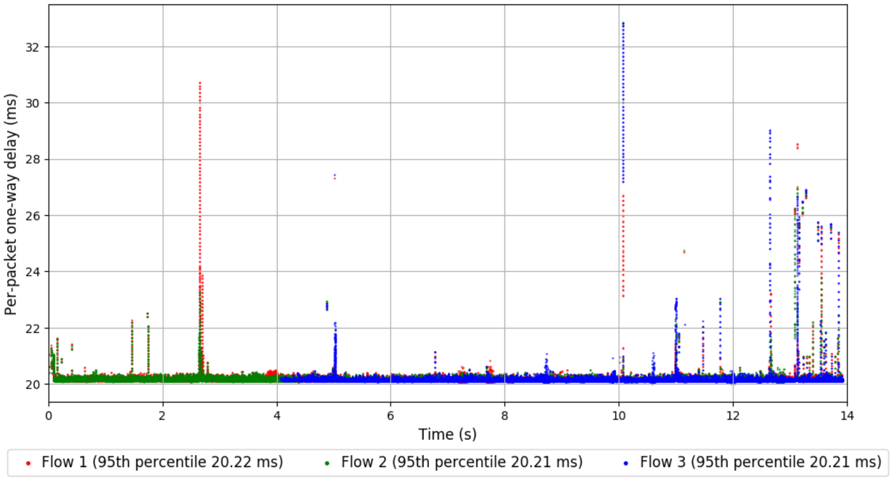




```
Run 7: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:11:53 +0000
End at: Sun, 09 Jul 2017 22:12:23 +0000
Local clock offset: 0.167 ms
Remote clock offset: -1.364 ms
```

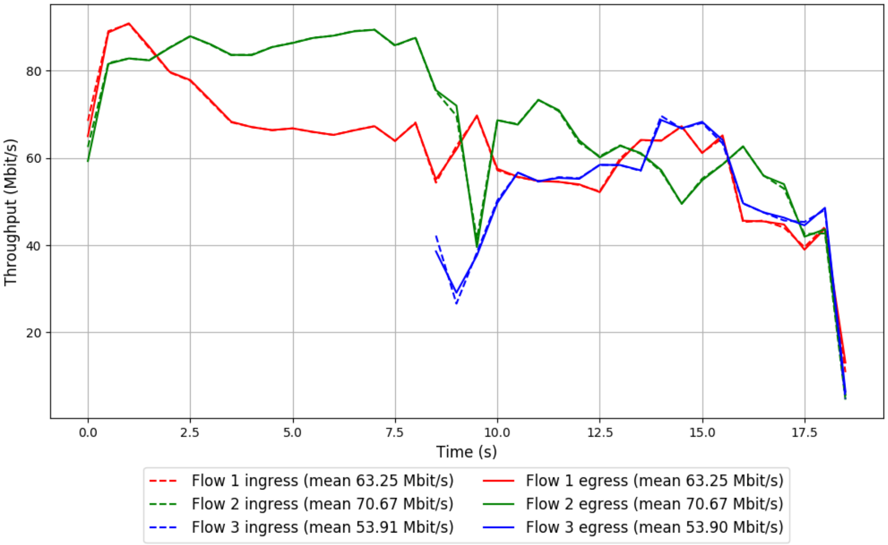
Run 7: Report of Copa — Data Link

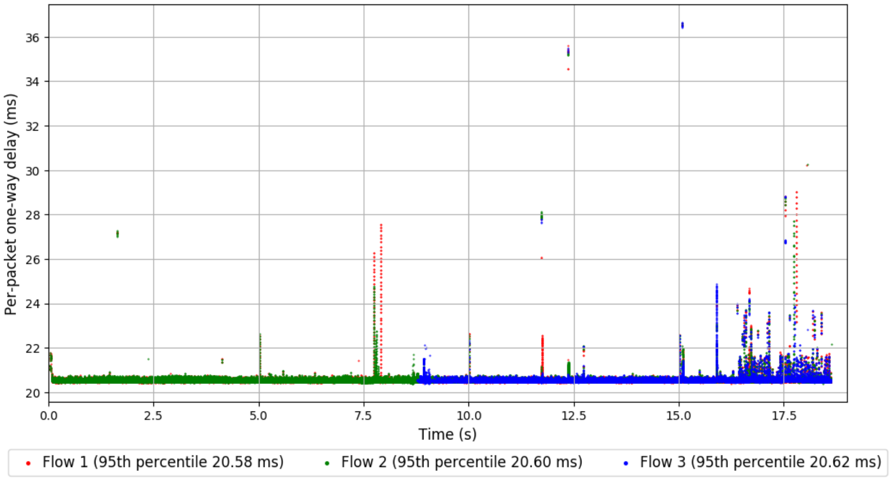




```
Run 8: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:32:32 +0000
End at: Sun, 09 Jul 2017 22:33:02 +0000
Local clock offset: 0.275 ms
Remote clock offset: -1.521 ms
```

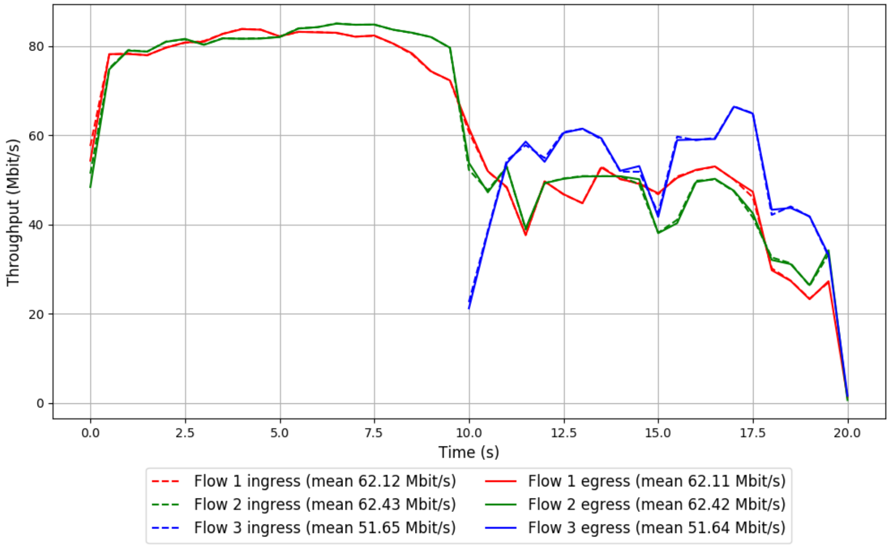
Run 8: Report of Copa — Data Link

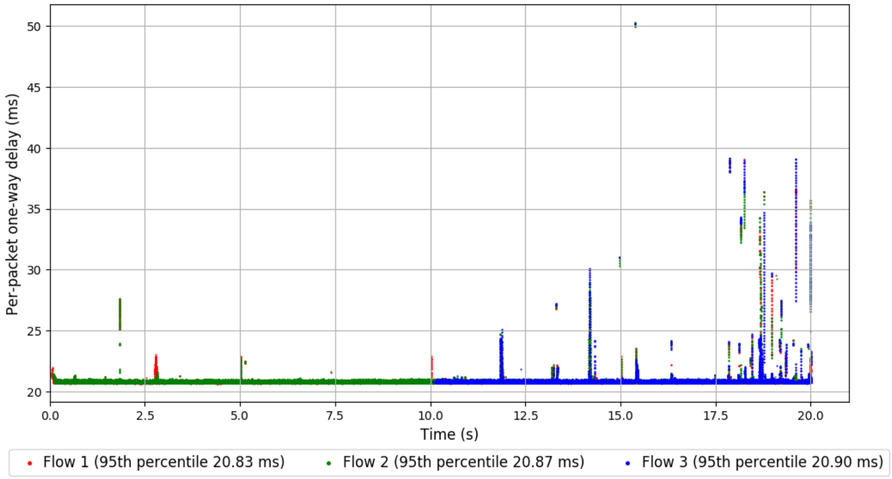




```
Run 9: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:53:09 +0000
End at: Sun, 09 Jul 2017 22:53:39 +0000
Local clock offset: 0.356 ms
Remote clock offset: -1.624 ms
```

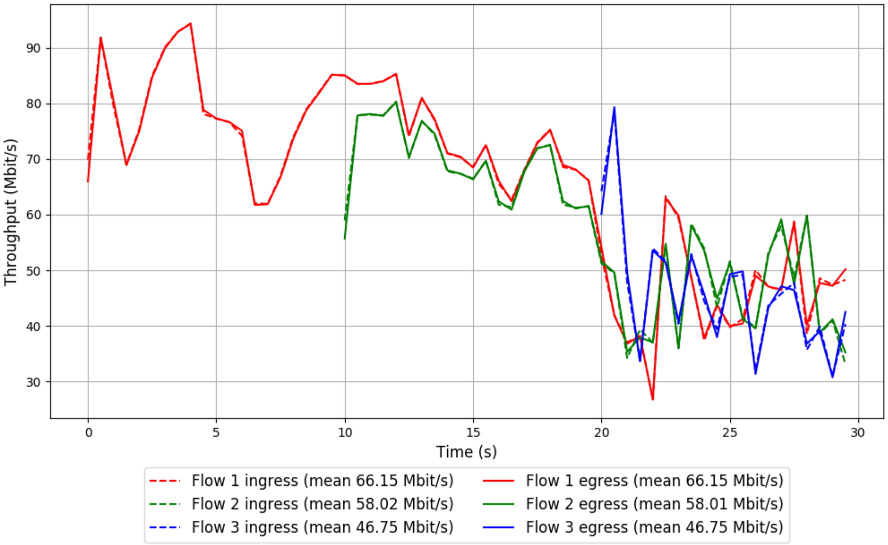
Run 9: Report of Copa — Data Link

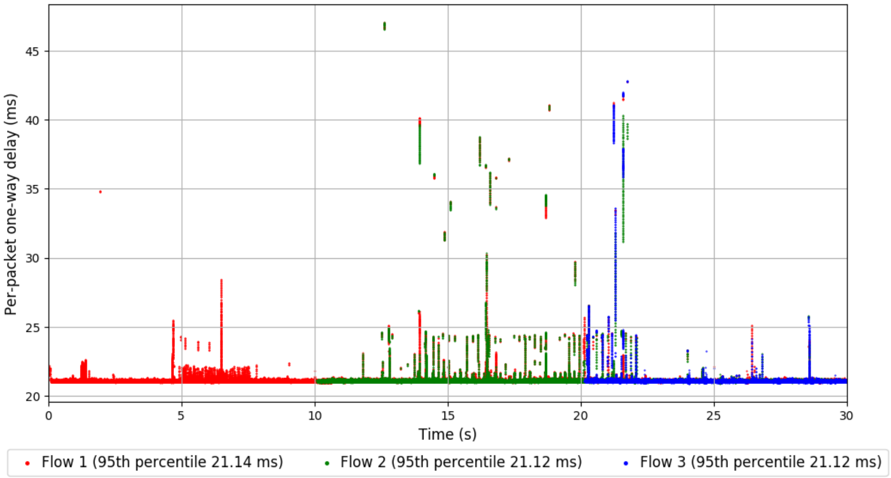




```
Run 10: Statistics of Copa

Start at: Sun, 09 Jul 2017 23:13:55 +0000
End at: Sun, 09 Jul 2017 23:14:25 +0000
Local clock offset: 0.509 ms
Remote clock offset: -1.675 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:48:18 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.05 Mbit/s
95th percentile per-packet one-way delay: 21.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.15 Mbit/s
95th percentile per-packet one-way delay: 21.135 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 21.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 21.117 ms
Loss rate: 0.00%
```

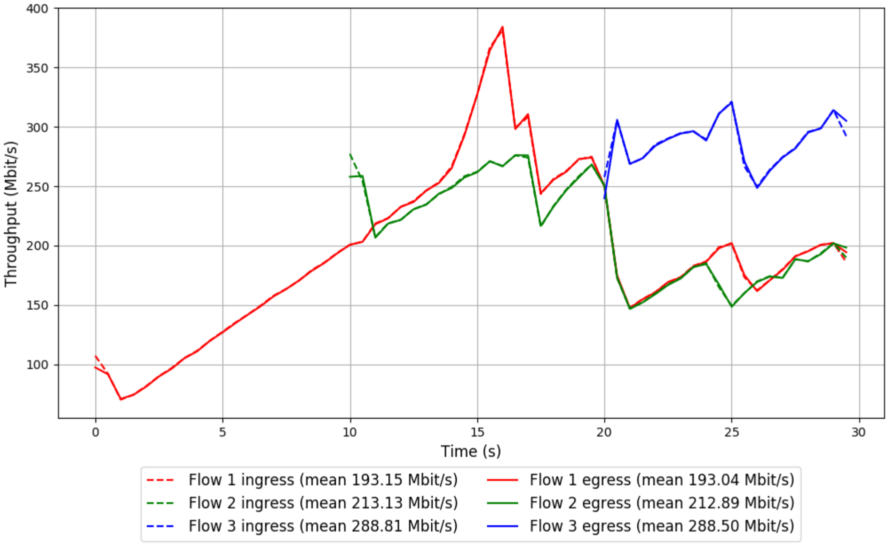
Run 10: Report of Copa — Data Link

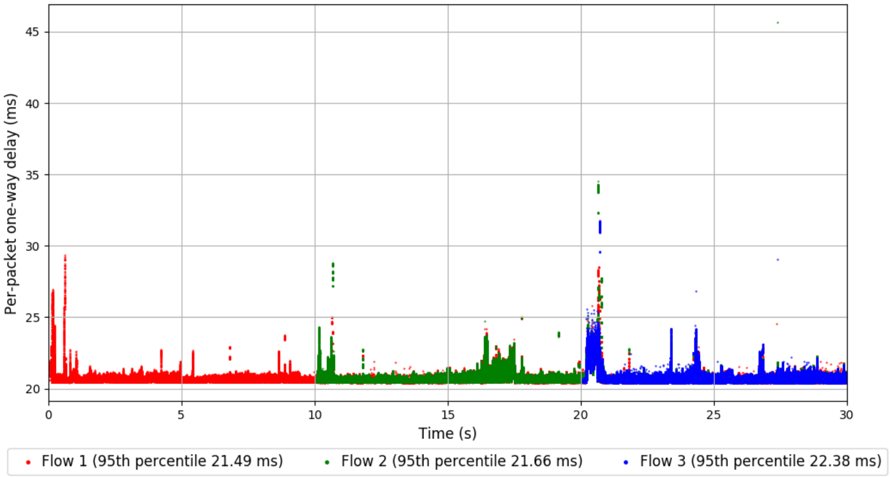




```
Run 1: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 19:59:26 +0000
End at: Sun, 09 Jul 2017 19:59:56 +0000
Local clock offset: 0.335 ms
Remote clock offset: -1.409 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:48:52 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 430.29 Mbit/s
95th percentile per-packet one-way delay: 21.687 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 193.04 Mbit/s
95th percentile per-packet one-way delay: 21.486 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 212.89 Mbit/s
95th percentile per-packet one-way delay: 21.658 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 288.50 Mbit/s
95th percentile per-packet one-way delay: 22.380 ms
Loss rate: 0.11%
```

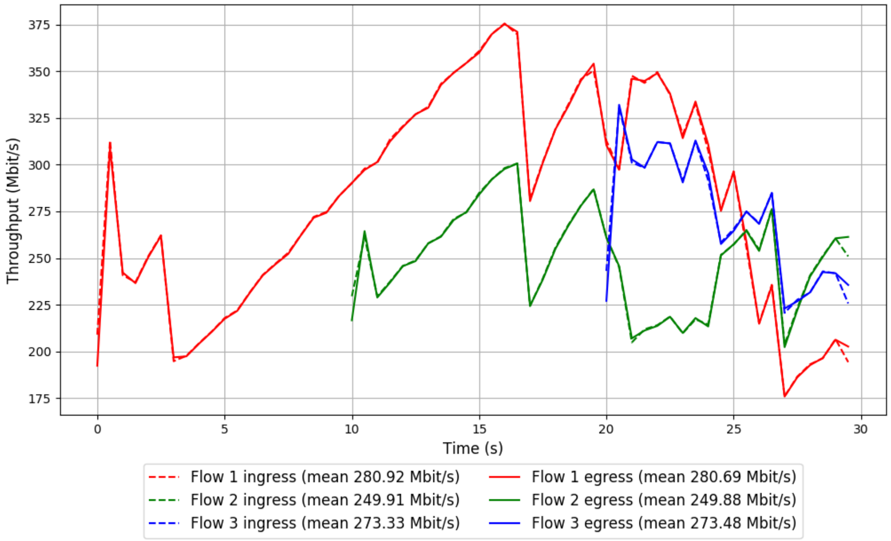
Run 1: Report of TCP Cubic — Data Link

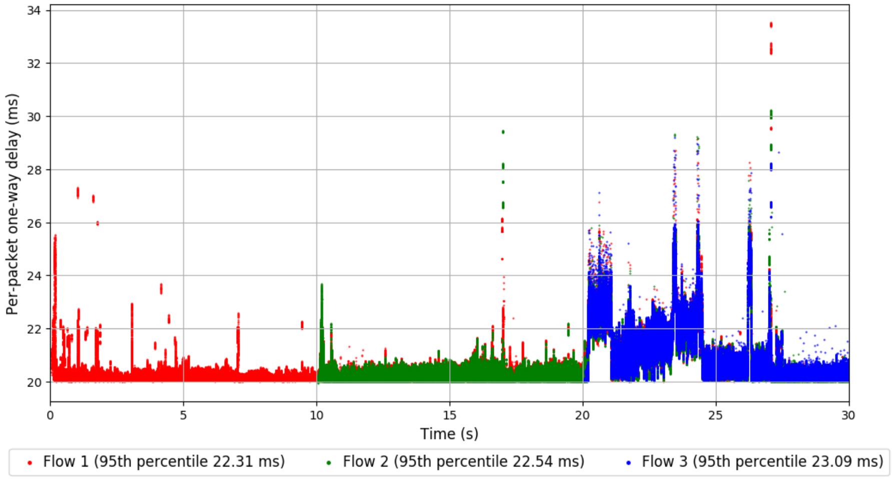




```
Run 2: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:20:29 +0000
End at: Sun, 09 Jul 2017 20:20:59 +0000
Local clock offset: 0.224 ms
Remote clock offset: -1.111 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 537.74 Mbit/s
95th percentile per-packet one-way delay: 22.621 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 280.69 Mbit/s
95th percentile per-packet one-way delay: 22.306 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 249.88 Mbit/s
95th percentile per-packet one-way delay: 22.544 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 273.48 Mbit/s
95th percentile per-packet one-way delay: 23.092 ms
Loss rate: 0.02%
```

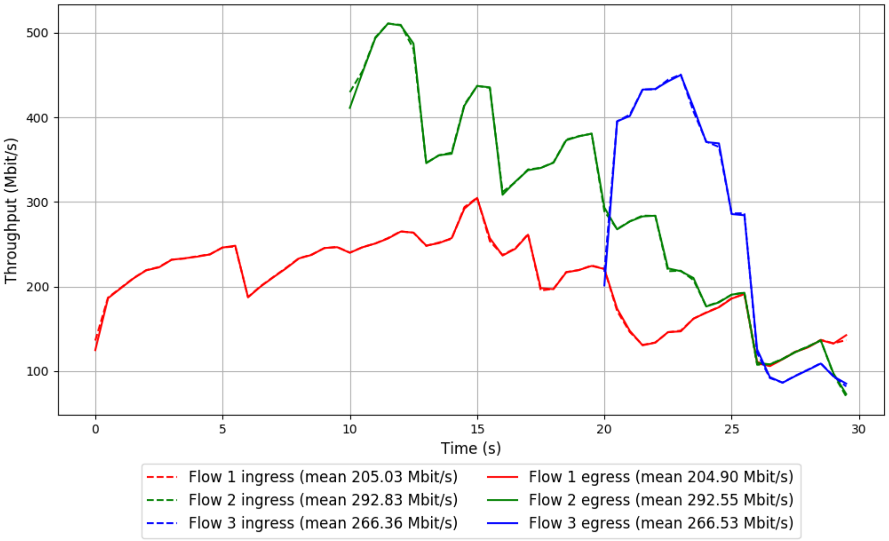
Run 2: Report of TCP Cubic — Data Link

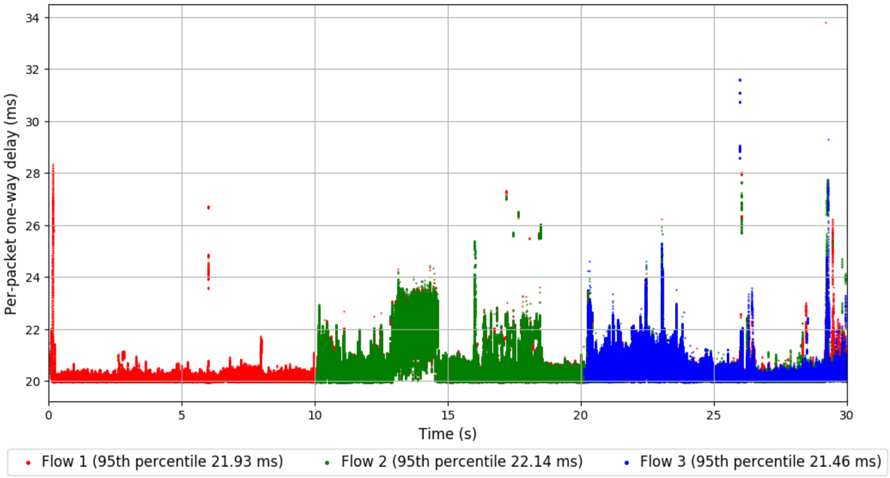




```
Run 3: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:41:30 +0000
End at: Sun, 09 Jul 2017 20:42:00 +0000
Local clock offset: 0.167 ms
Remote clock offset: -1.188 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:50:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 487.68 Mbit/s
95th percentile per-packet one-way delay: 21.956 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 204.90 Mbit/s
95th percentile per-packet one-way delay: 21.934 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 292.55 Mbit/s
95th percentile per-packet one-way delay: 22.144 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 266.53 Mbit/s
95th percentile per-packet one-way delay: 21.460 ms
Loss rate: 0.13%
```

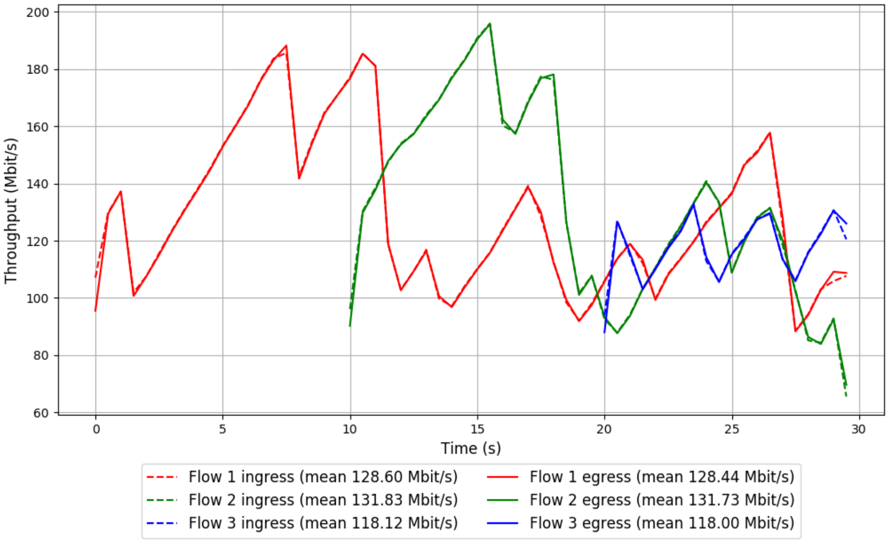
Run 3: Report of TCP Cubic — Data Link

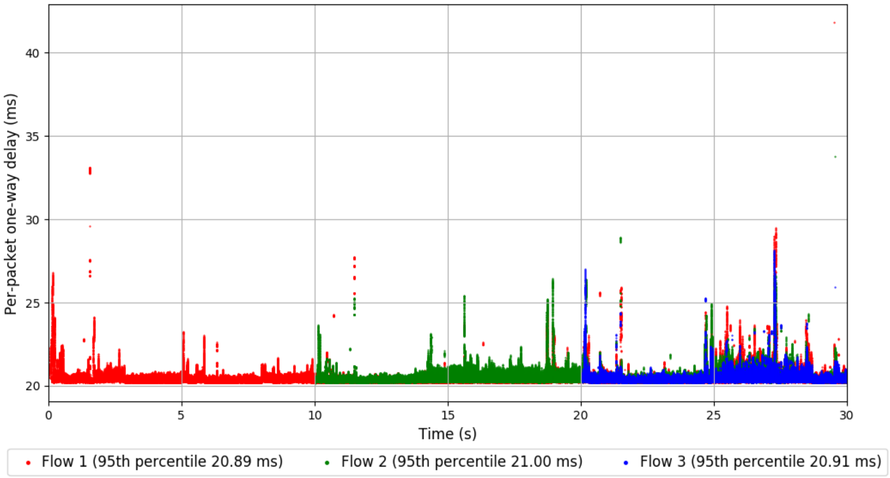




```
Run 4: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:02:35 +0000
End at: Sun, 09 Jul 2017 21:03:05 +0000
Local clock offset: -0.007 ms
Remote clock offset: -1.439 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:50:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.27 Mbit/s
95th percentile per-packet one-way delay: 20.946 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 128.44 Mbit/s
95th percentile per-packet one-way delay: 20.893 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 131.73 Mbit/s
95th percentile per-packet one-way delay: 21.004 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 118.00 Mbit/s
95th percentile per-packet one-way delay: 20.909 ms
Loss rate: 0.10%
```

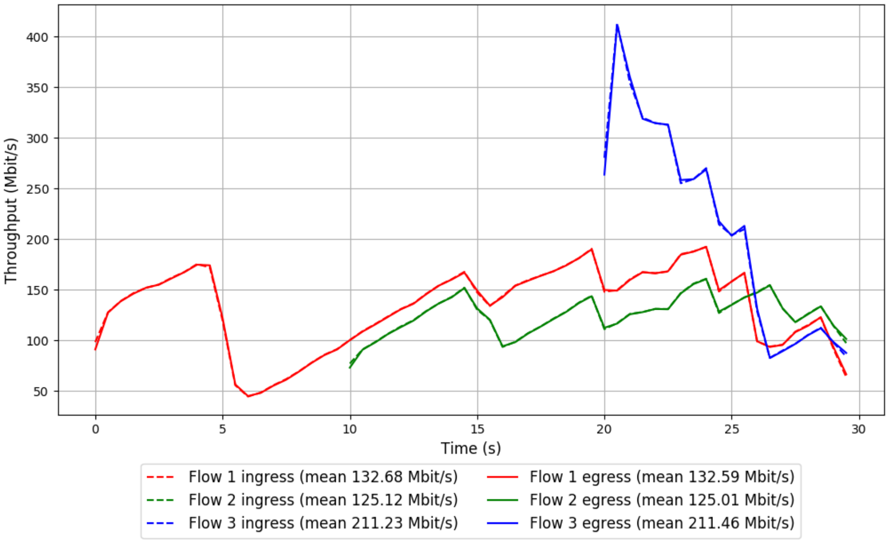
Run 4: Report of TCP Cubic — Data Link

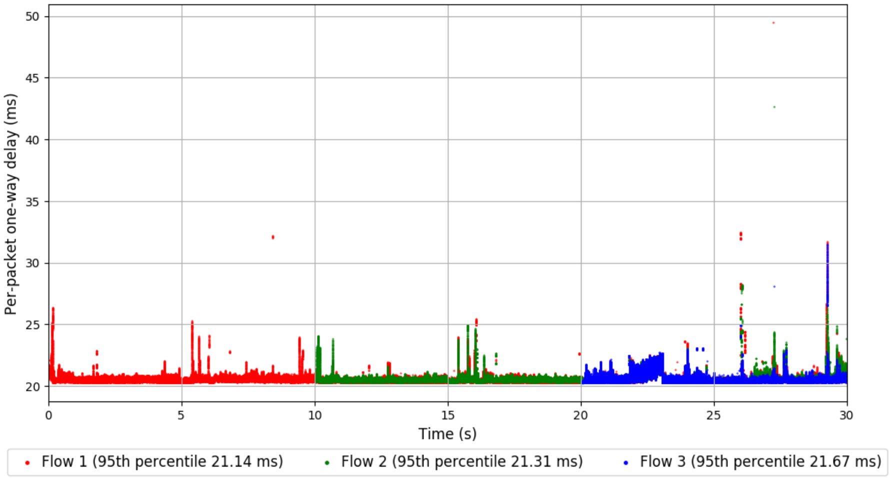




```
Run 5: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:23:30 +0000
End at: Sun, 09 Jul 2017 21:24:00 +0000
Local clock offset: 0.003 ms
Remote clock offset: -1.674 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:50:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 286.00 Mbit/s
95th percentile per-packet one-way delay: 21.410 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 132.59 Mbit/s
95th percentile per-packet one-way delay: 21.140 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 125.01 Mbit/s
95th percentile per-packet one-way delay: 21.306 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 211.46 Mbit/s
95th percentile per-packet one-way delay: 21.669 ms
Loss rate: 0.02%
```

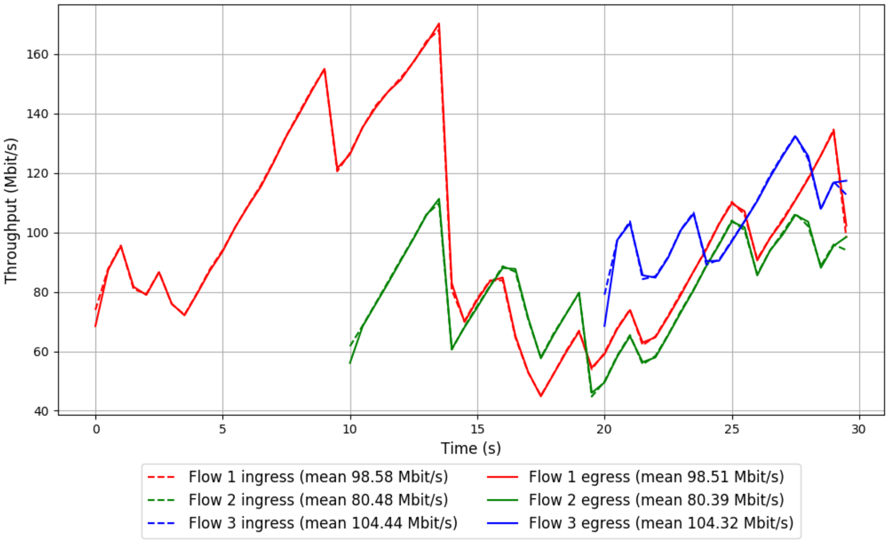
Run 5: Report of TCP Cubic — Data Link

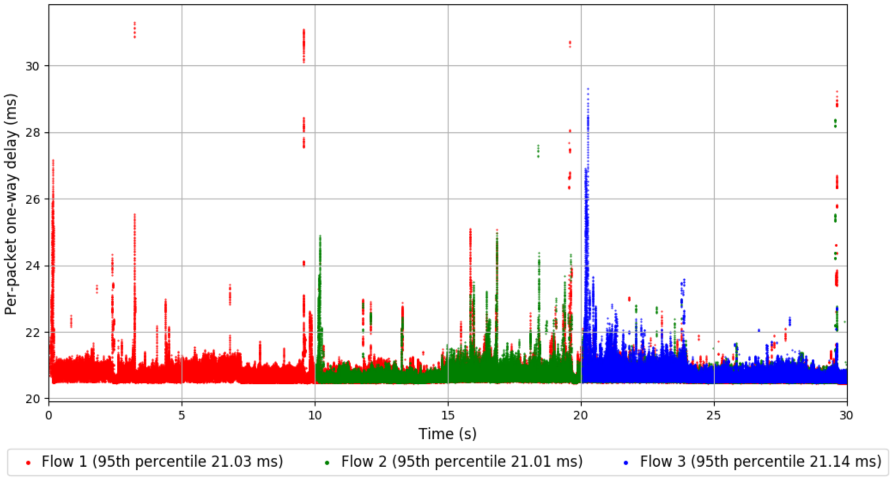




```
Run 6: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:44:17 +0000
End at: Sun, 09 Jul 2017 21:44:47 +0000
Local clock offset: 0.07 ms
Remote clock offset: -1.753 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:50:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 186.66 Mbit/s
95th percentile per-packet one-way delay: 21.043 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 98.51 Mbit/s
95th percentile per-packet one-way delay: 21.034 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 21.006 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 104.32 Mbit/s
95th percentile per-packet one-way delay: 21.141 ms
Loss rate: 0.31%
```

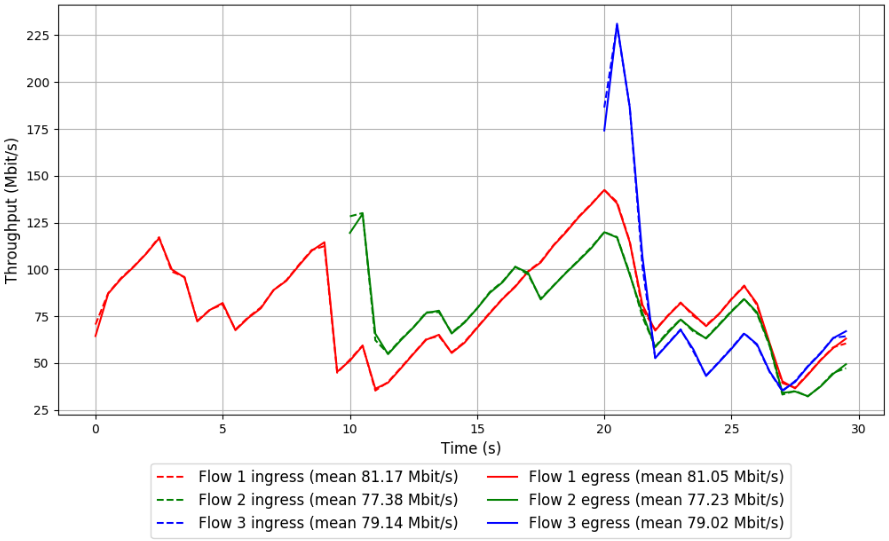
Run 6: Report of TCP Cubic — Data Link

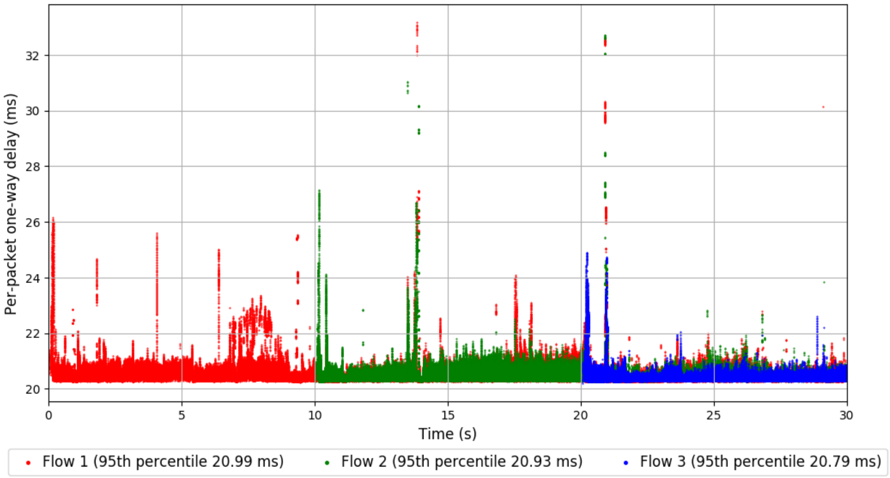




```
Run 7: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:05:05 +0000
End at: Sun, 09 Jul 2017 22:05:35 +0000
Local clock offset: 0.147 ms
Remote clock offset: -1.453 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:50:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.64 Mbit/s
95th percentile per-packet one-way delay: 20.948 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 81.05 Mbit/s
95th percentile per-packet one-way delay: 20.987 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 77.23 Mbit/s
95th percentile per-packet one-way delay: 20.925 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 20.791 ms
Loss rate: 0.27%
```

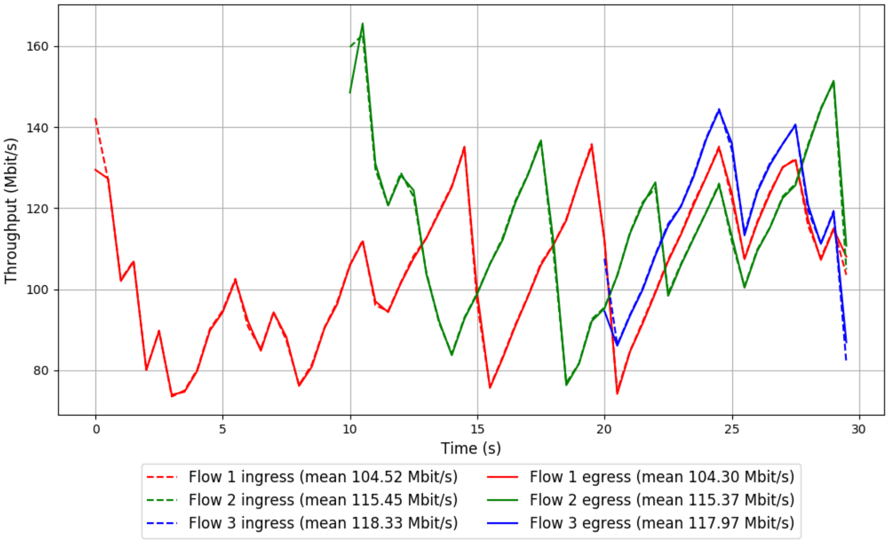
Run 7: Report of TCP Cubic — Data Link

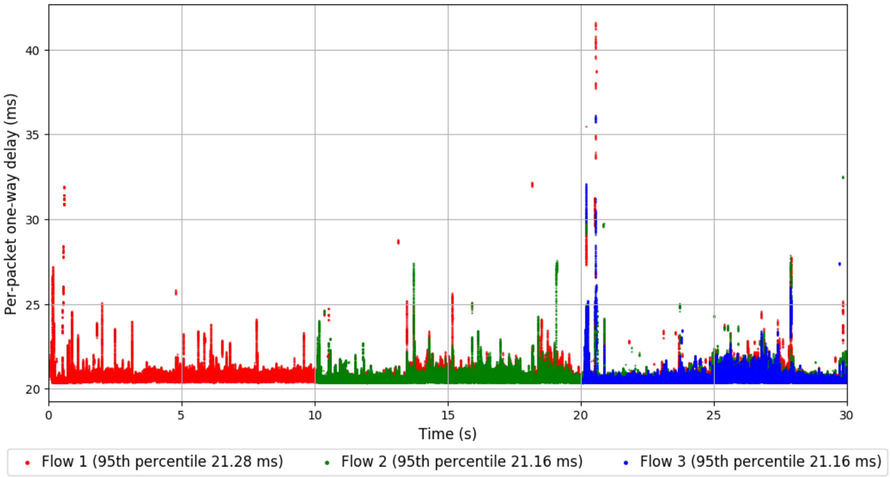




```
Run 8: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:25:36 +0000
End at: Sun, 09 Jul 2017 22:26:06 +0000
Local clock offset: 0.127 ms
Remote clock offset: -1.532 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:51:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 220.27 Mbit/s
95th percentile per-packet one-way delay: 21.221 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 104.30 Mbit/s
95th percentile per-packet one-way delay: 21.279 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 115.37 Mbit/s
95th percentile per-packet one-way delay: 21.163 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 117.97 Mbit/s
95th percentile per-packet one-way delay: 21.163 ms
Loss rate: 0.42%
```

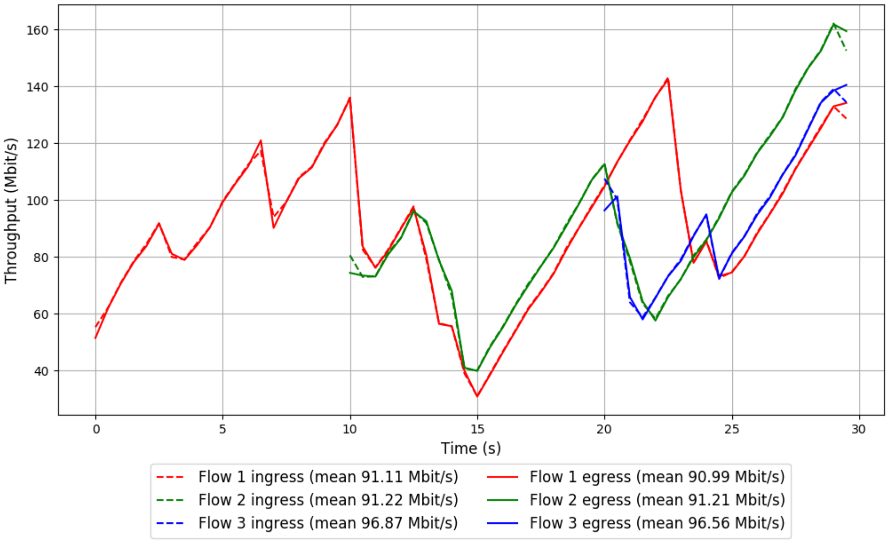
Run 8: Report of TCP Cubic — Data Link

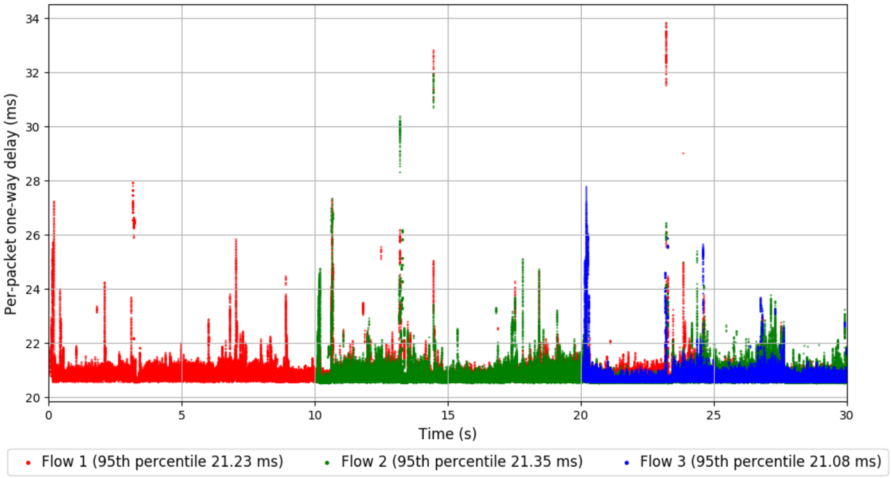




```
Run 9: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:46:13 +0000
End at: Sun, 09 Jul 2017 22:46:43 +0000
Local clock offset: 0.259 ms
Remote clock offset: -1.523 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:51:16 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.78 Mbit/s
95th percentile per-packet one-way delay: 21.242 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 21.227 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 21.352 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 21.077 ms
Loss rate: 0.32%
```

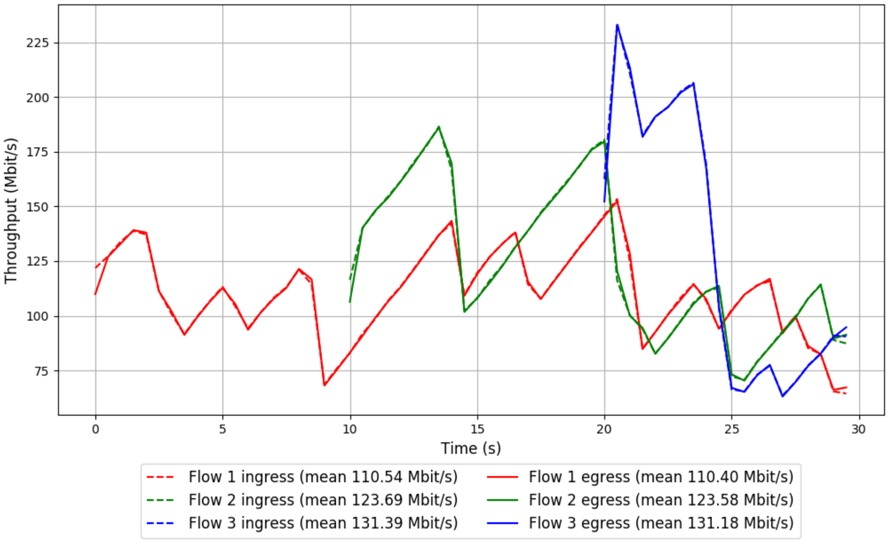
Run 9: Report of TCP Cubic — Data Link

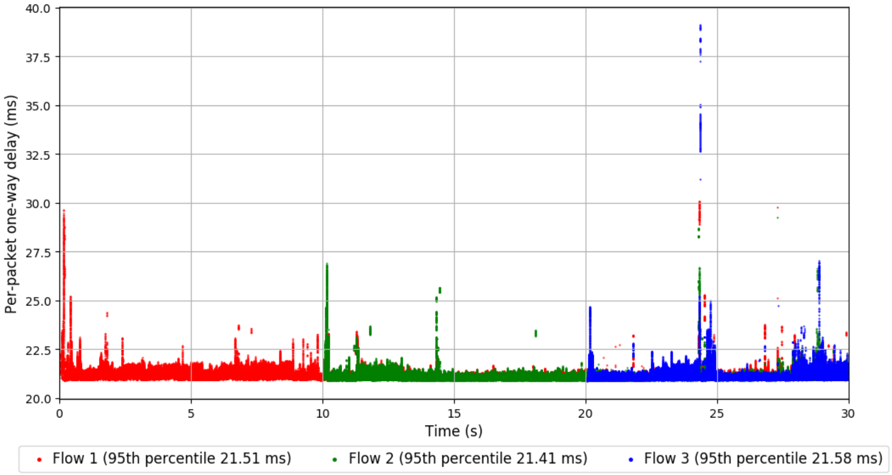




```
Run 10: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:07:02 +0000
End at: Sun, 09 Jul 2017 23:07:32 +0000
Local clock offset: 0.479 ms
Remote clock offset: -1.722 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:51:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 236.23 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 110.40 Mbit/s
95th percentile per-packet one-way delay: 21.510 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 123.58 Mbit/s
95th percentile per-packet one-way delay: 21.412 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 131.18 Mbit/s
95th percentile per-packet one-way delay: 21.579 ms
Loss rate: 0.29%
```

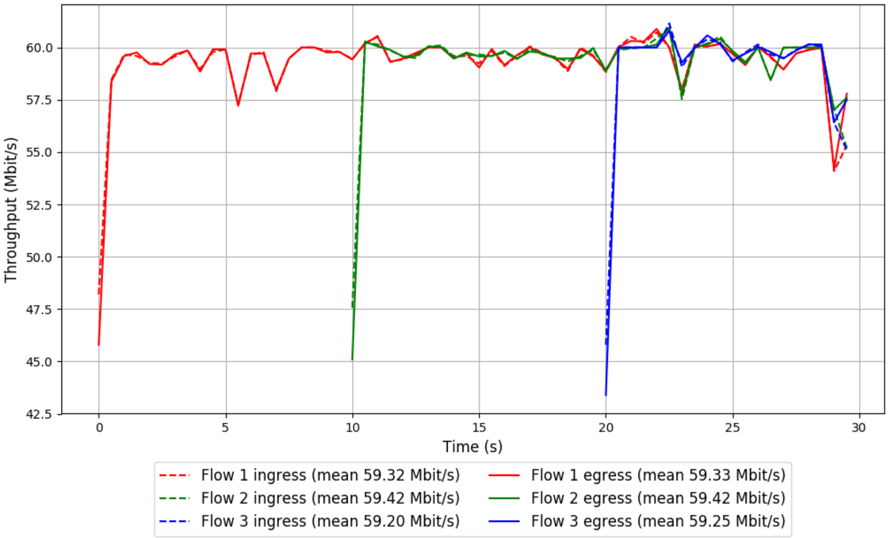
Run 10: Report of TCP Cubic — Data Link

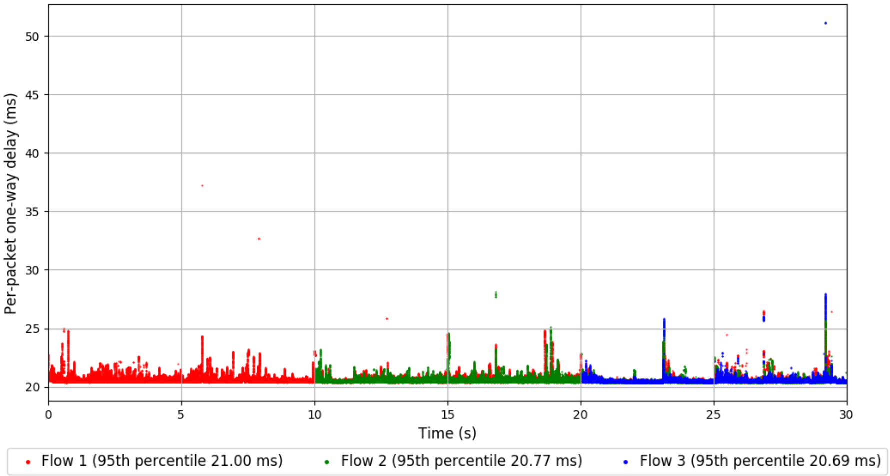




```
Run 1: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:02:23 +0000
End at: Sun, 09 Jul 2017 20:02:53 +0000
Local clock offset: 0.312 ms
Remote clock offset: -1.442 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:51:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.53 Mbit/s
95th percentile per-packet one-way delay: 20.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 21.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 20.775 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 20.693 ms
Loss rate: 0.00%
```

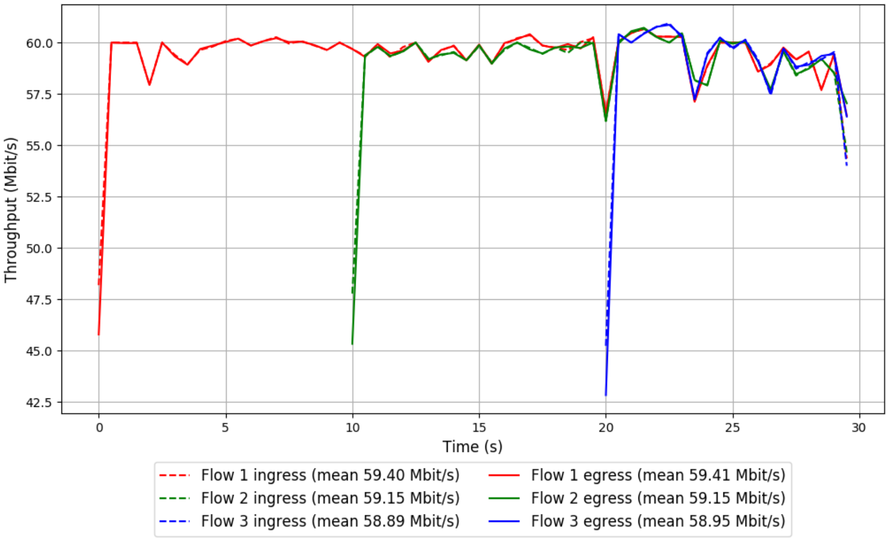
Run 1: Report of KohoCC — Data Link

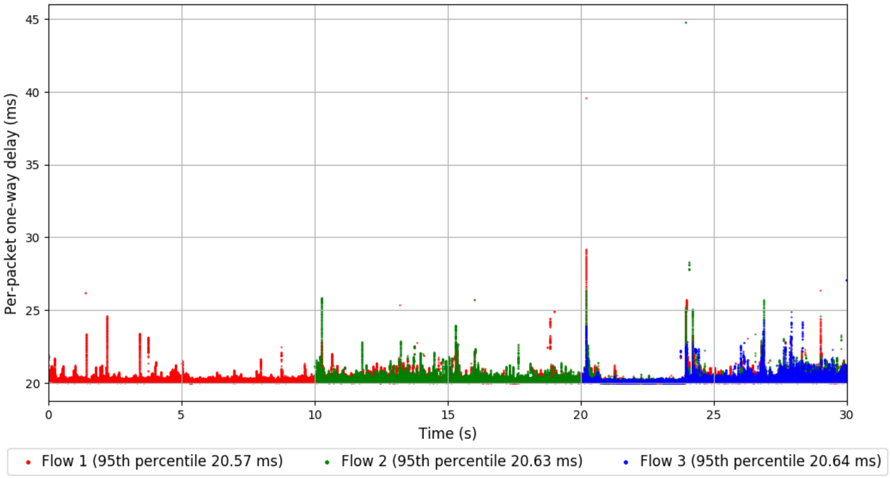




```
Run 2: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:23:33 +0000
End at: Sun, 09 Jul 2017 20:24:03 +0000
Local clock offset: 0.221 ms
Remote clock offset: -1.135 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:51:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.35 Mbit/s
95th percentile per-packet one-way delay: 20.600 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 20.570 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 20.627 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 20.639 ms
Loss rate: 0.00%
```

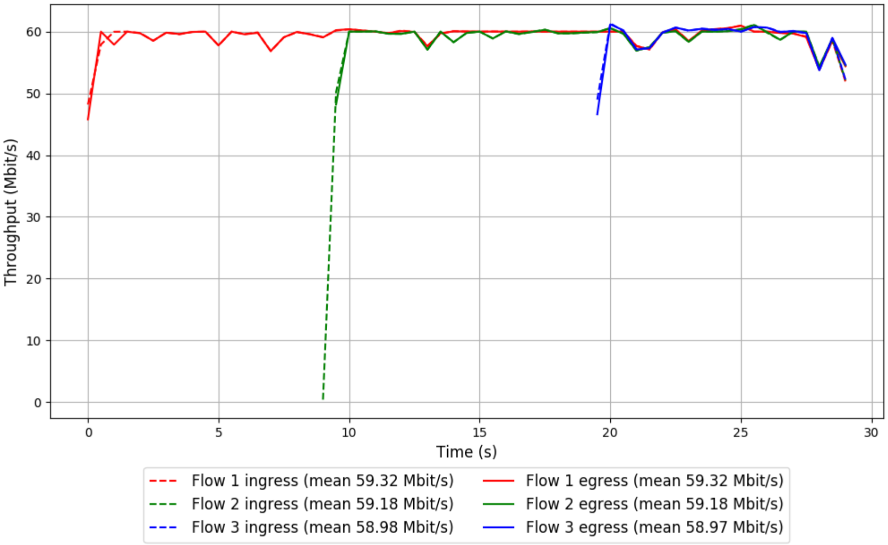
Run 2: Report of KohoCC — Data Link

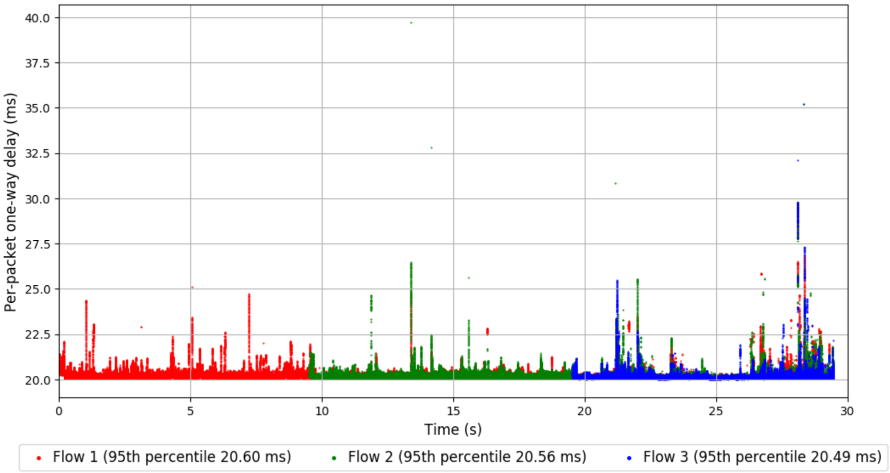




```
Run 3: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:44:31 +0000
End at: Sun, 09 Jul 2017 20:45:01 +0000
Local clock offset: 0.181 ms
Remote clock offset: -1.208 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:51:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.32 Mbit/s
95th percentile per-packet one-way delay: 20.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 20.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 20.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 20.494 ms
Loss rate: 0.00%
```

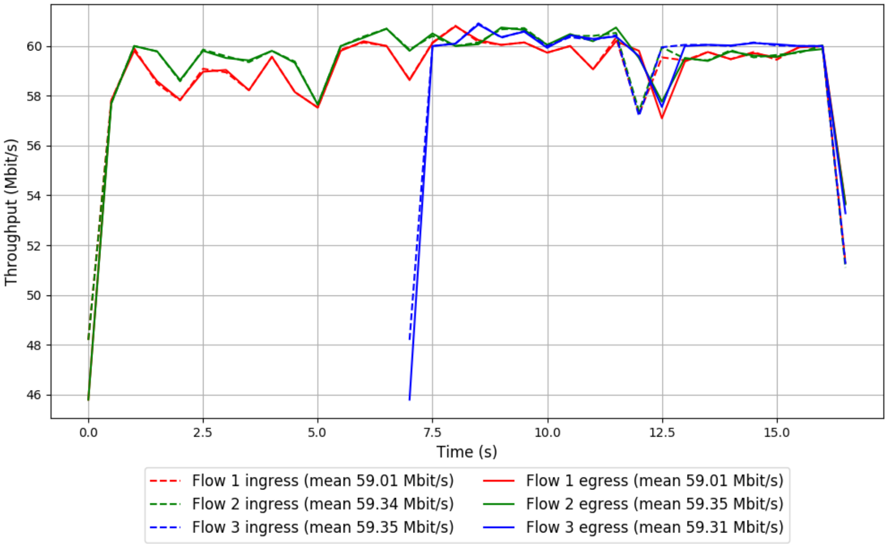
Run 3: Report of KohoCC — Data Link

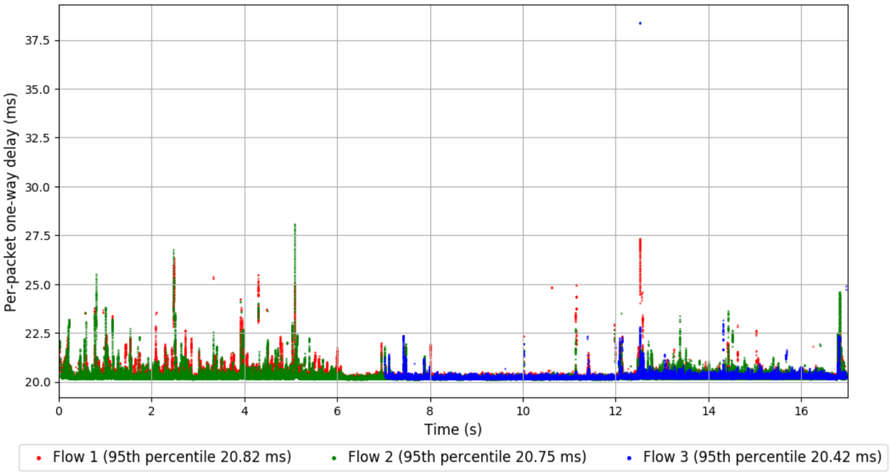




```
Run 4: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:05:24 +0000
End at: Sun, 09 Jul 2017 21:05:54 +0000
Local clock offset: 0.062 ms
Remote clock offset: -1.5 ms
```

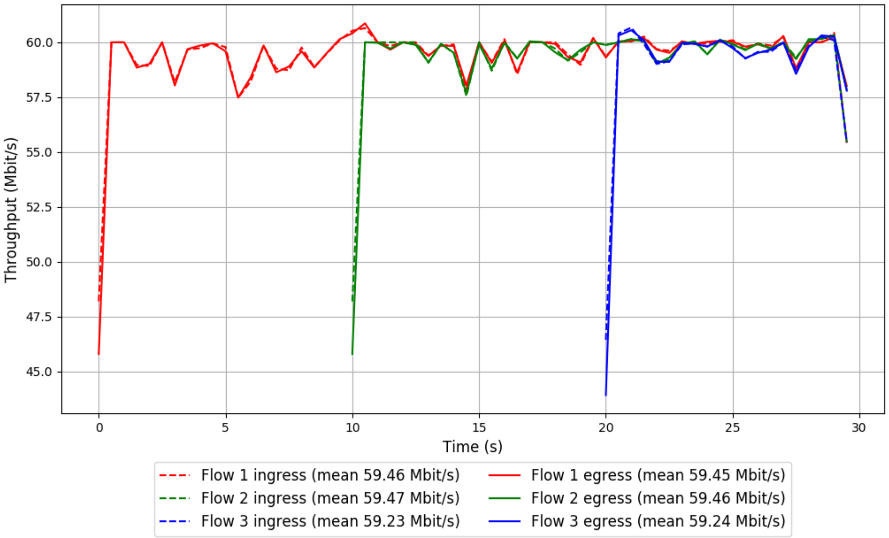
Run 4: Report of KohoCC — Data Link

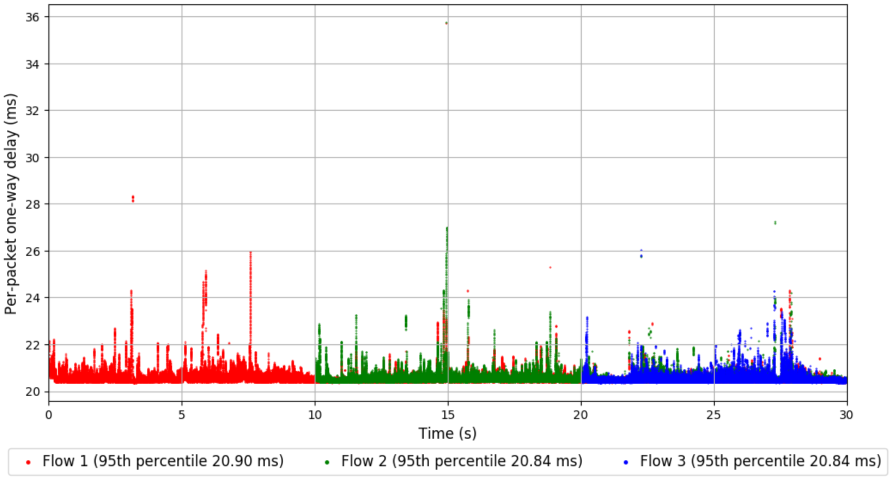




```
Run 5: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:26:21 +0000
End at: Sun, 09 Jul 2017 21:26:51 +0000
Local clock offset: 0.018 ms
Remote clock offset: -1.731 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:52:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.71 Mbit/s
95th percentile per-packet one-way delay: 20.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 20.896 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 20.841 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 20.843 ms
Loss rate: 0.01%
```

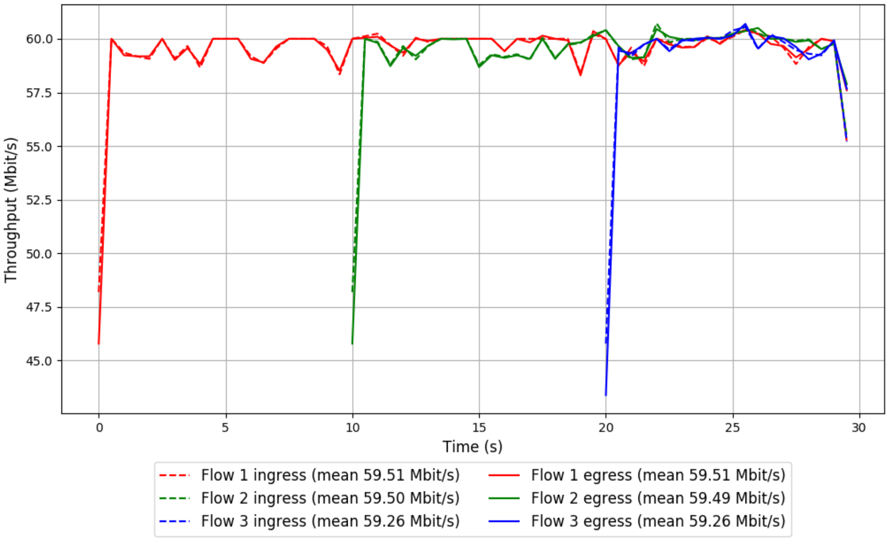
Run 5: Report of KohoCC — Data Link

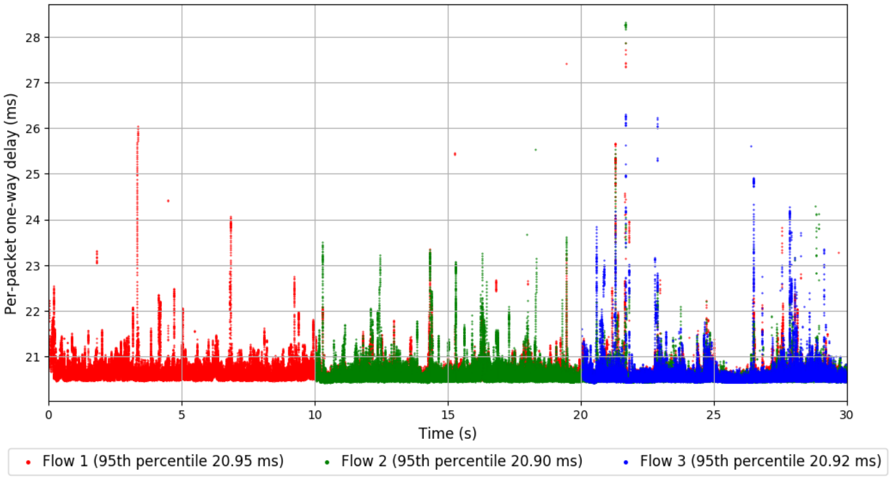




```
Run 6: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:47:02 +0000
End at: Sun, 09 Jul 2017 21:47:32 +0000
Local clock offset: -0.013 ms
Remote clock offset: -1.757 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:52:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.77 Mbit/s
95th percentile per-packet one-way delay: 20.930 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 20.948 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 20.904 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 20.918 ms
Loss rate: 0.00%
```

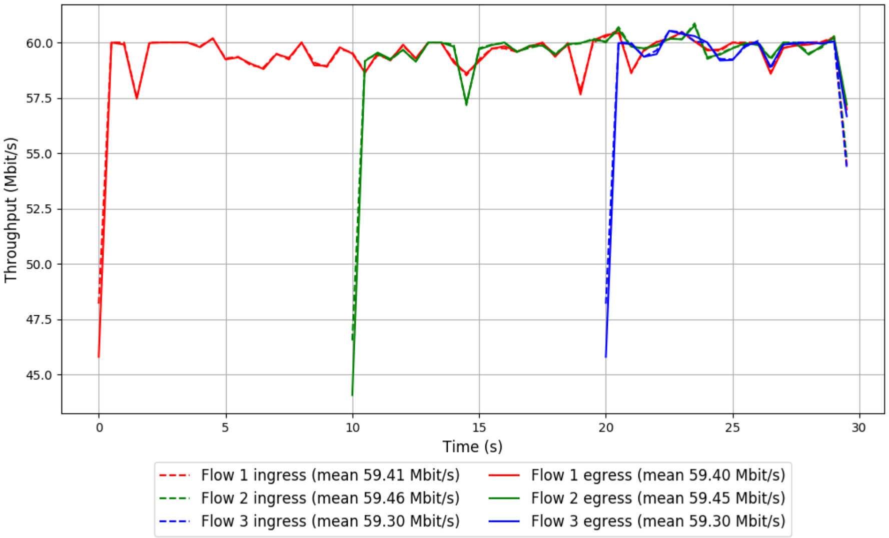
Run 6: Report of KohoCC — Data Link

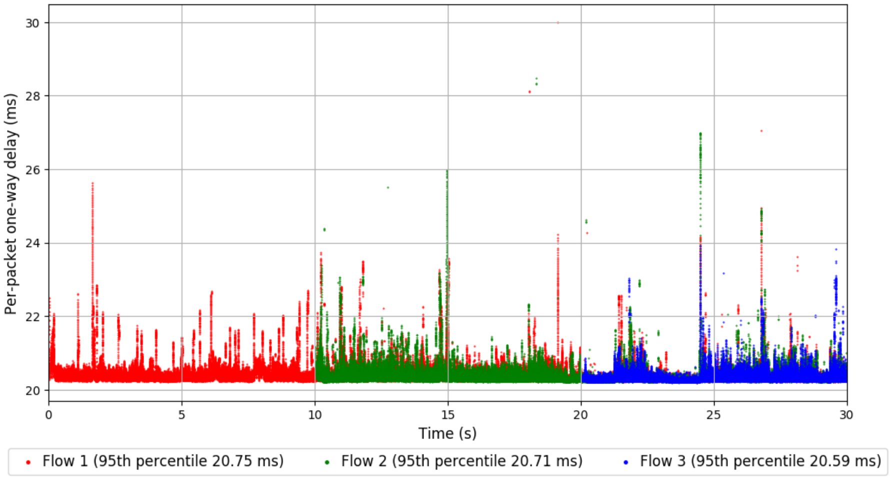




```
Run 7: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:07:49 +0000
End at: Sun, 09 Jul 2017 22:08:19 +0000
Local clock offset: 0.029 ms
Remote clock offset: -1.453 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:52:29 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.67 Mbit/s
95th percentile per-packet one-way delay: 20.713 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: 20.754 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 20.708 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 20.591 ms
Loss rate: 0.02%
```

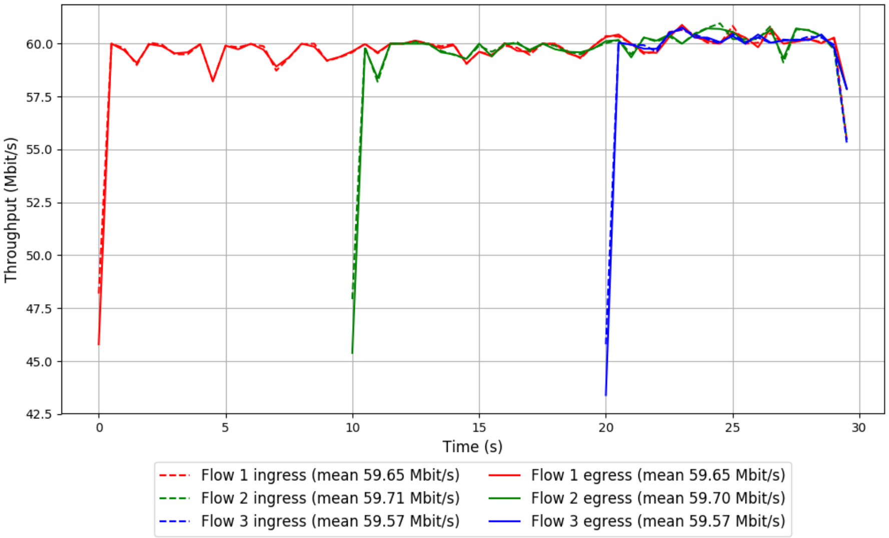
Run 7: Report of KohoCC — Data Link

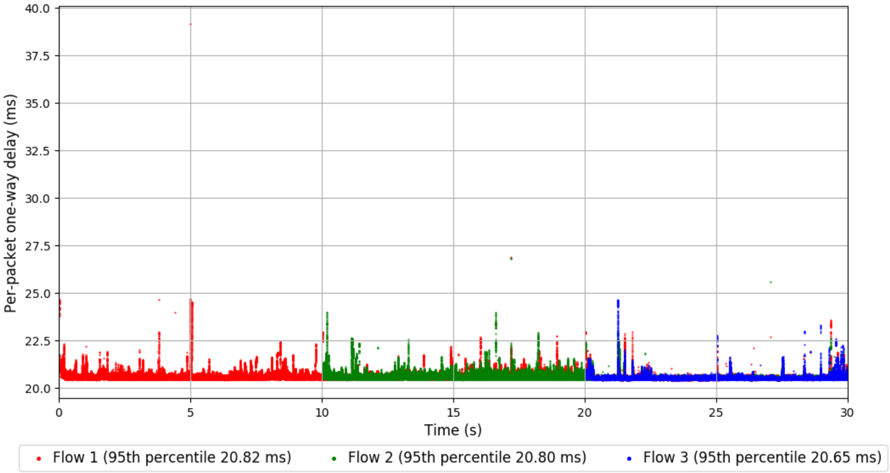




```
Run 8: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:28:23 +0000
End at: Sun, 09 Jul 2017 22:28:53 +0000
Local clock offset: 0.243 ms
Remote clock offset: -1.558 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:52:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.17 Mbit/s
95th percentile per-packet one-way delay: 20.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 20.824 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.70 Mbit/s
95th percentile per-packet one-way delay: 20.798 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 20.646 ms
Loss rate: 0.00%
```

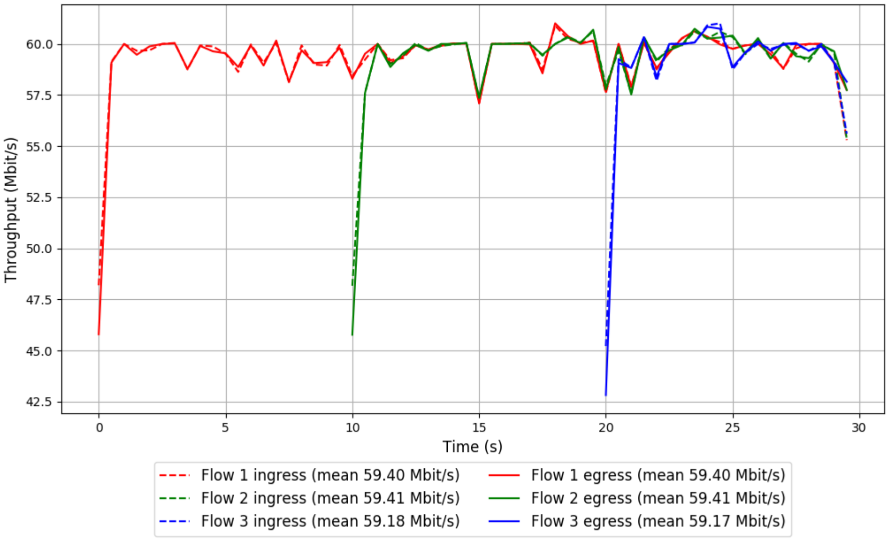
Run 8: Report of KohoCC — Data Link

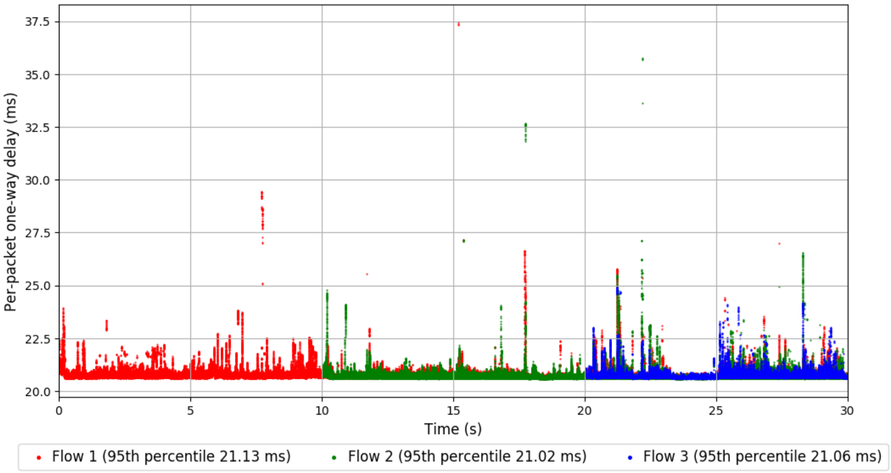




```
Run 9: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:48:59 +0000
End at: Sun, 09 Jul 2017 22:49:29 +0000
Local clock offset: 0.347 ms
Remote clock offset: -1.49 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:52:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.58 Mbit/s
95th percentile per-packet one-way delay: 21.089 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: 21.133 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 21.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 21.064 ms
Loss rate: 0.01%
```

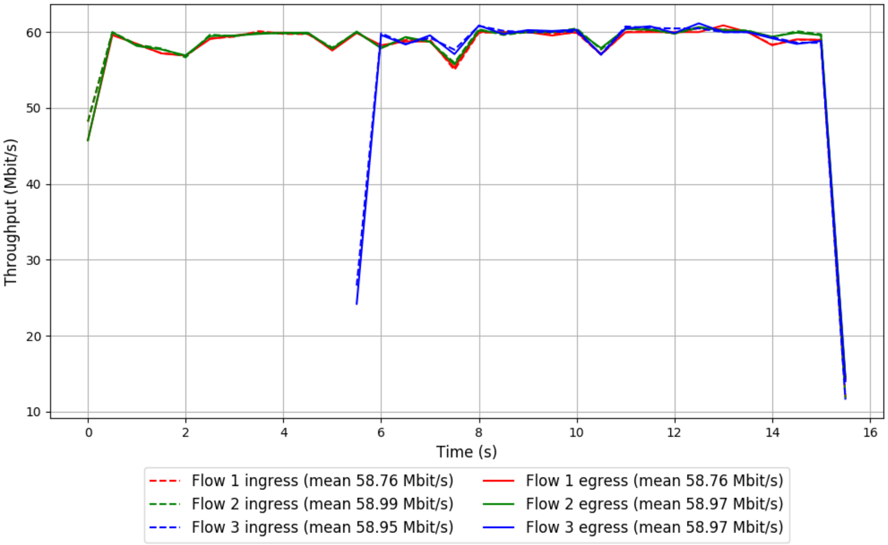
Run 9: Report of KohoCC — Data Link

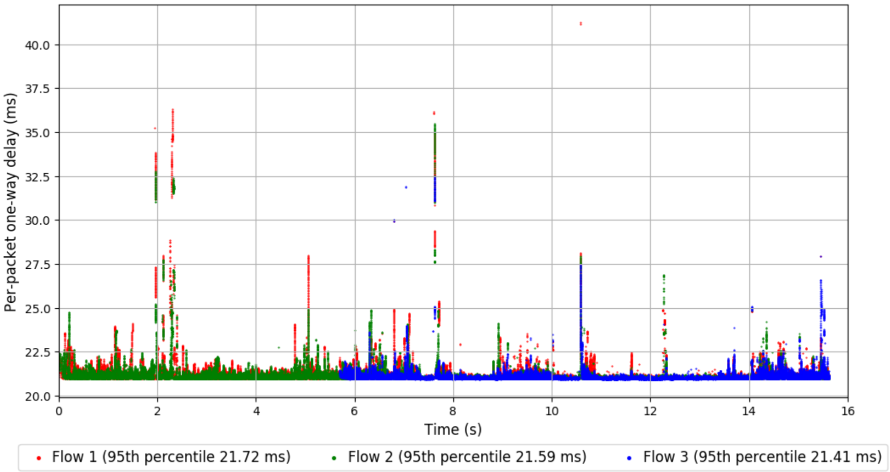




```
Run 10: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 23:09:50 +0000
End at: Sun, 09 Jul 2017 23:10:20 +0000
Local clock offset: 0.493 ms
Remote clock offset: -1.752 ms
```

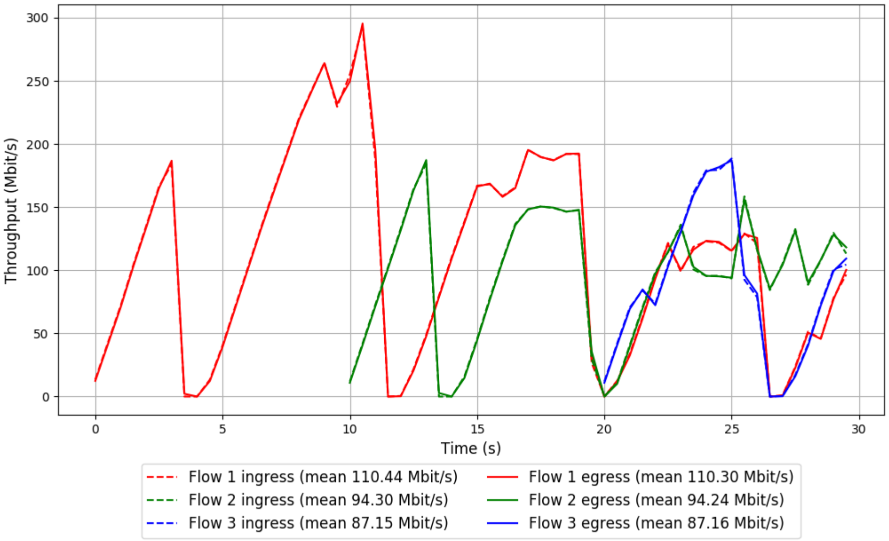
Run 10: Report of KohoCC — Data Link

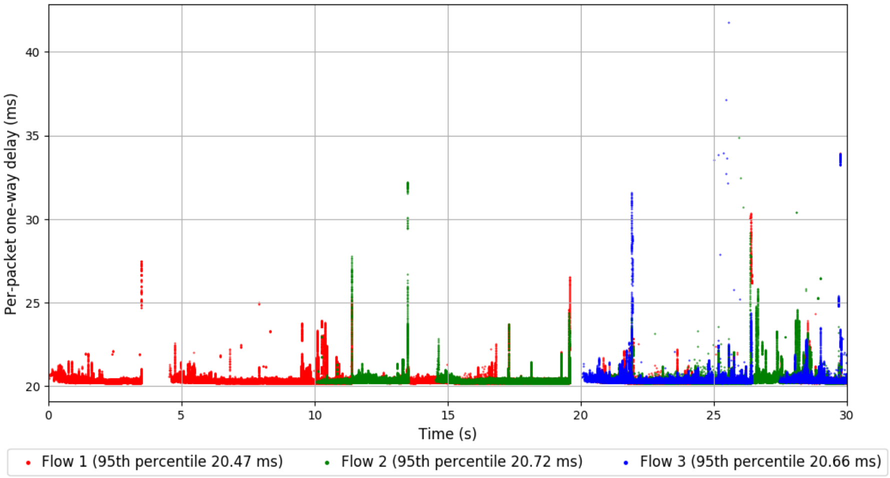




```
Run 1: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:09:23 +0000
End at: Sun, 09 Jul 2017 20:09:53 +0000
Local clock offset: 0.257 ms
Remote clock offset: -1.314 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:53:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 201.89 Mbit/s
95th percentile per-packet one-way delay: 20.587 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 110.30 Mbit/s
95th percentile per-packet one-way delay: 20.468 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 20.716 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 20.663 ms
Loss rate: 0.08%
```

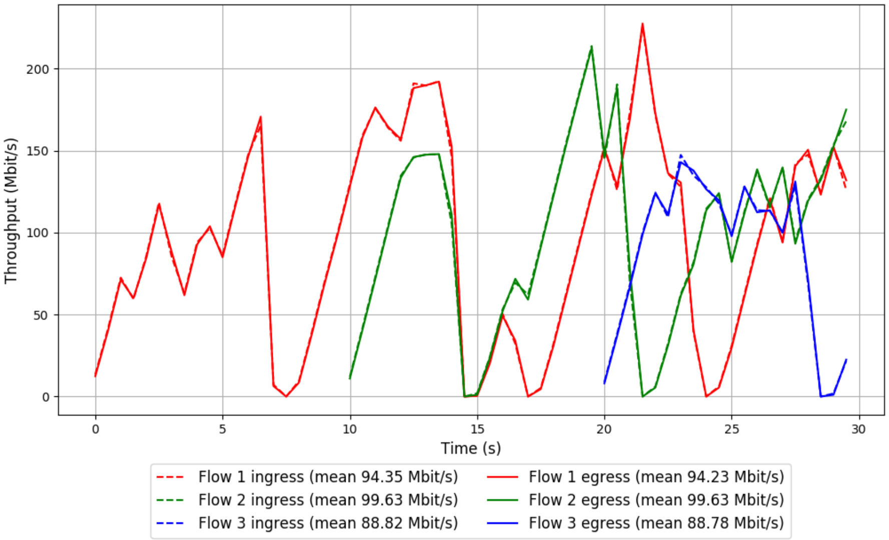
Run 1: Report of LEDBAT — Data Link

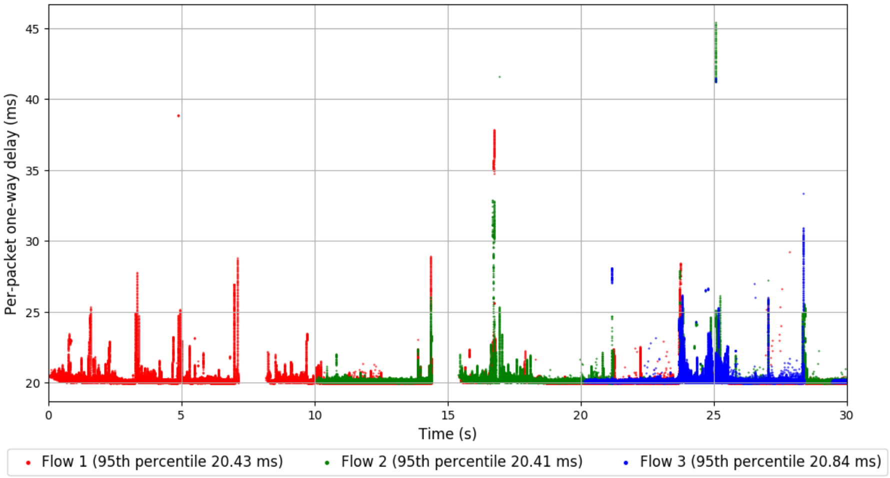




```
Run 2: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:30:28 +0000
End at: Sun, 09 Jul 2017 20:30:58 +0000
Local clock offset: 0.109 ms
Remote clock offset: -1.095 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:53:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 189.74 Mbit/s
95th percentile per-packet one-way delay: 20.463 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 20.427 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 99.63 Mbit/s
95th percentile per-packet one-way delay: 20.408 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 20.836 ms
Loss rate: 0.05%
```

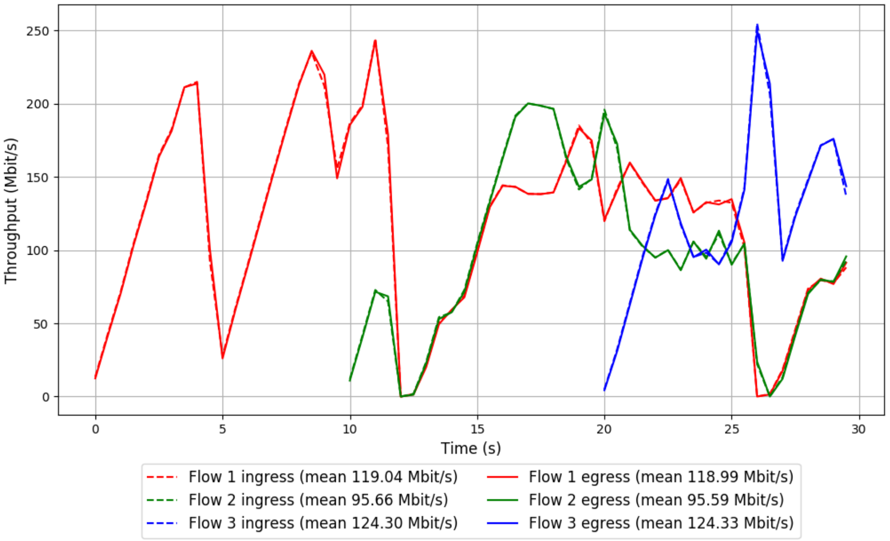
Run 2: Report of LEDBAT — Data Link

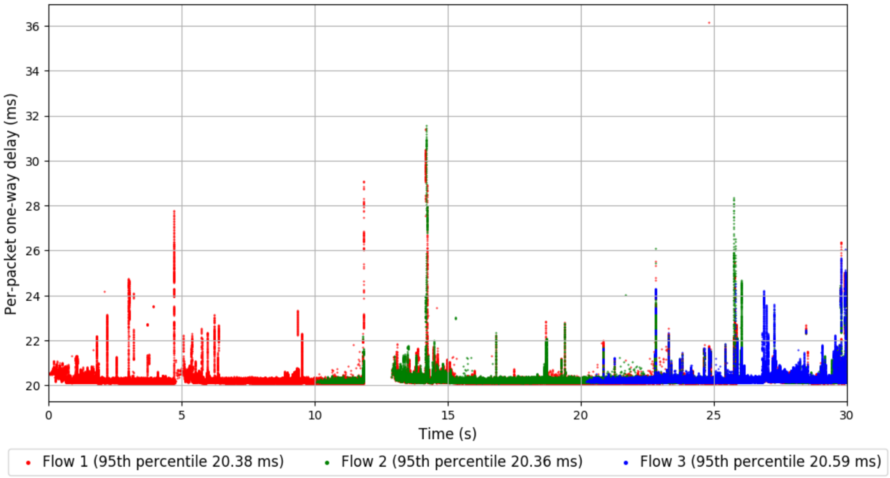




```
Run 3: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:51:31 +0000
End at: Sun, 09 Jul 2017 20:52:01 +0000
Local clock offset: 0.064 ms
Remote clock offset: -1.378 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:53:45 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 223.12 Mbit/s
95th percentile per-packet one-way delay: 20.427 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 118.99 Mbit/s
95th percentile per-packet one-way delay: 20.384 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 20.365 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 124.33 Mbit/s
95th percentile per-packet one-way delay: 20.593 ms
Loss rate: 0.04%
```

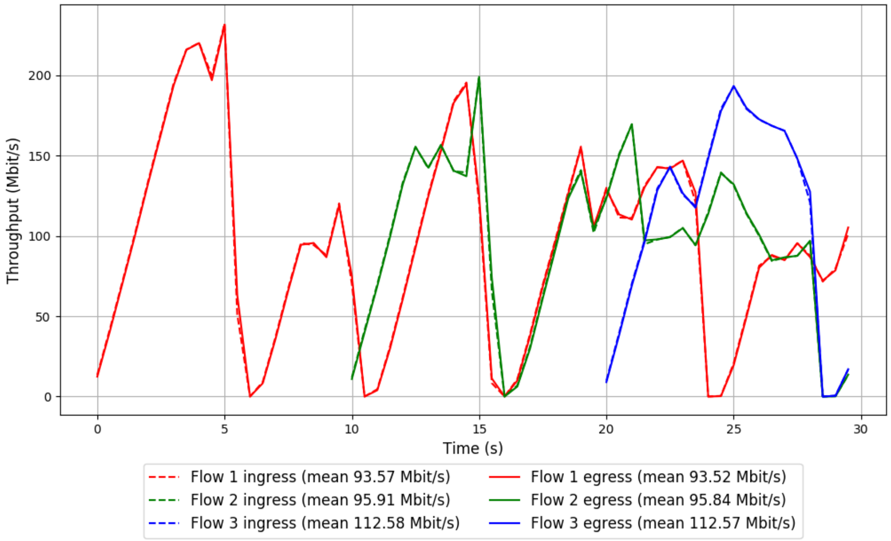
Run 3: Report of LEDBAT — Data Link

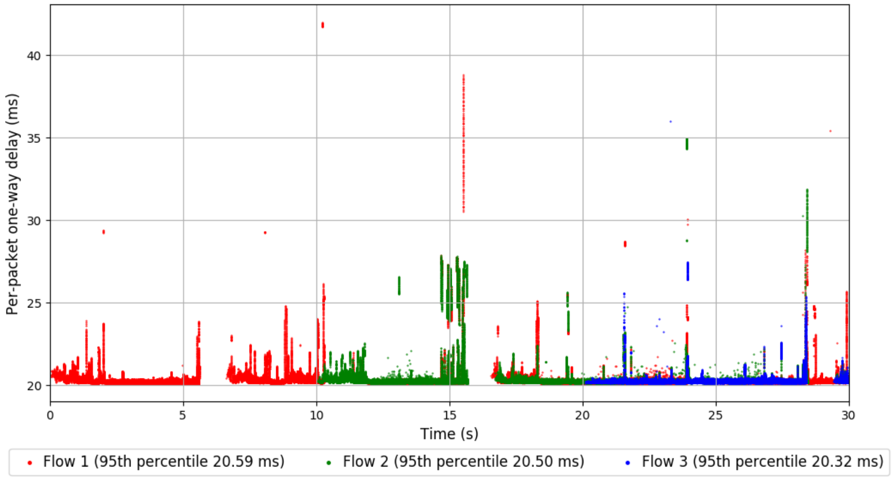




```
Run 4: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:12:21 +0000
End at: Sun, 09 Jul 2017 21:12:51 +0000
Local clock offset: 0.051 ms
Remote clock offset: -1.444 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:53:45 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 194.40 Mbit/s
95th percentile per-packet one-way delay: 20.505 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 20.590 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 20.497 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 112.57 Mbit/s
95th percentile per-packet one-way delay: 20.322 ms
Loss rate: 0.01%
```

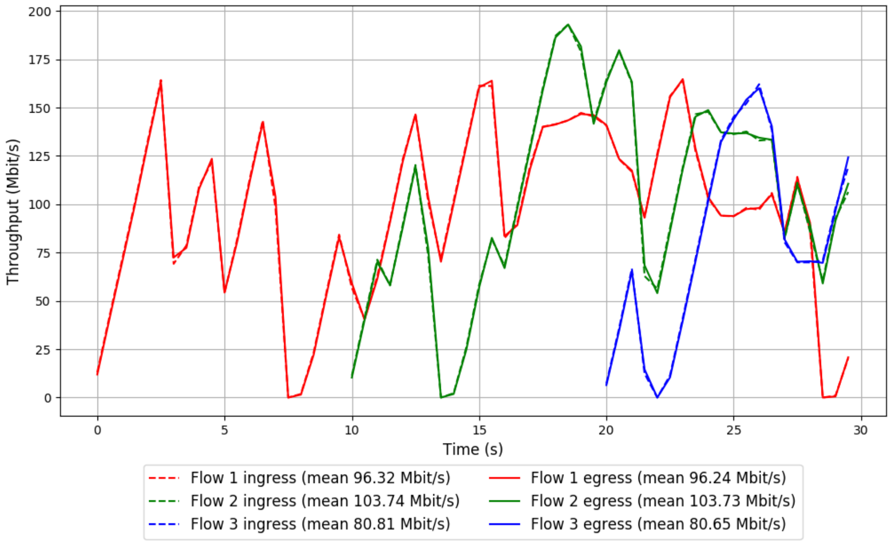
Run 4: Report of LEDBAT — Data Link

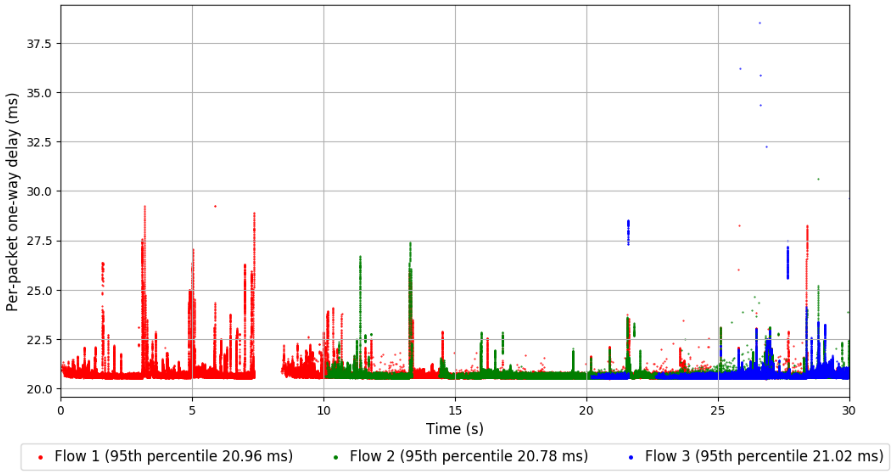




```
Run 5: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:33:15 +0000
End at: Sun, 09 Jul 2017 21:33:45 +0000
Local clock offset: -0.058 ms
Remote clock offset: -1.755 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:54:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.58 Mbit/s
95th percentile per-packet one-way delay: 20.900 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 20.963 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 103.73 Mbit/s
95th percentile per-packet one-way delay: 20.783 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 21.018 ms
Loss rate: 0.11%
```

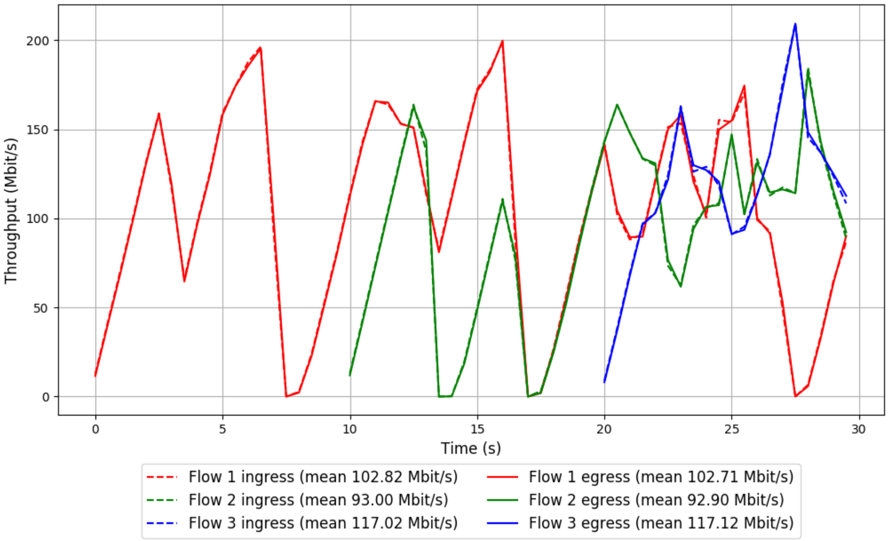
Run 5: Report of LEDBAT — Data Link

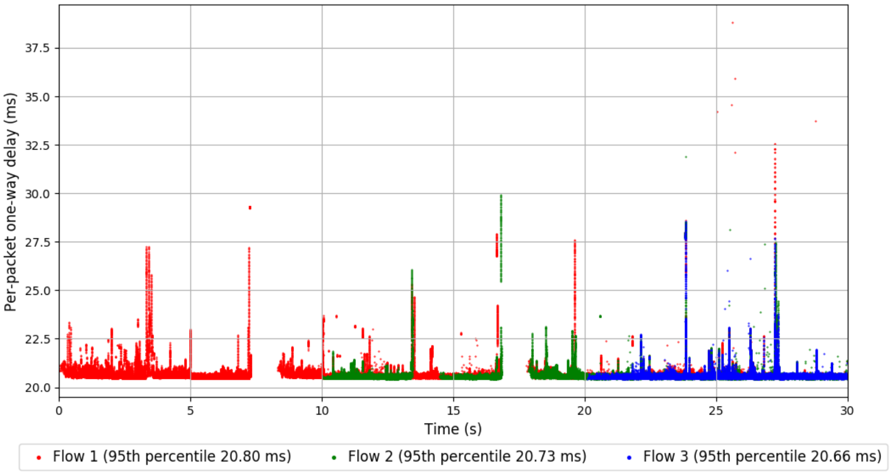




```
Run 6: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:53:59 +0000
End at: Sun, 09 Jul 2017 21:54:29 +0000
Local clock offset: -0.015 ms
Remote clock offset: -1.776 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:54:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 203.13 Mbit/s
95th percentile per-packet one-way delay: 20.757 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 102.71 Mbit/s
95th percentile per-packet one-way delay: 20.795 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 20.731 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 117.12 Mbit/s
95th percentile per-packet one-way delay: 20.660 ms
Loss rate: 0.00%
```

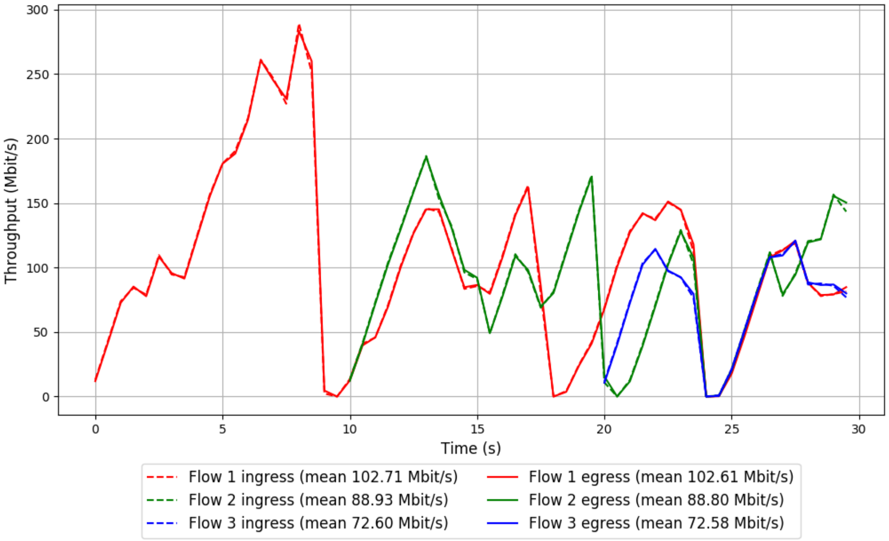
Run 6: Report of LEDBAT — Data Link

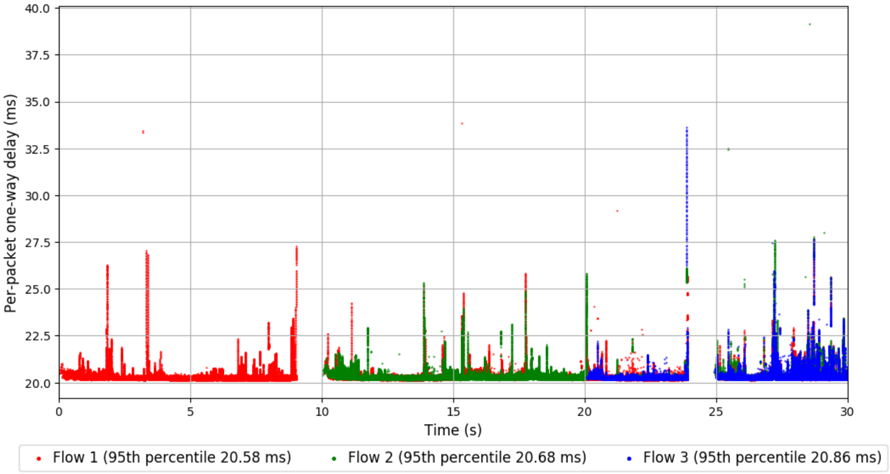




```
Run 7: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:14:32 +0000
End at: Sun, 09 Jul 2017 22:15:02 +0000
Local clock offset: 0.135 ms
Remote clock offset: -1.378 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:54:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 185.78 Mbit/s
95th percentile per-packet one-way delay: 20.635 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 102.61 Mbit/s
95th percentile per-packet one-way delay: 20.579 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 20.677 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 72.58 Mbit/s
95th percentile per-packet one-way delay: 20.865 ms
Loss rate: 0.04%
```

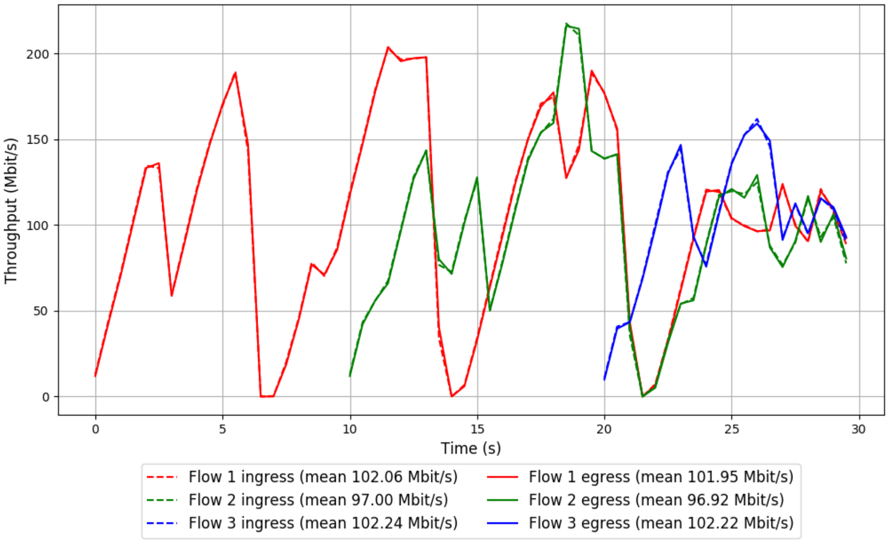
Run 7: Report of LEDBAT — Data Link

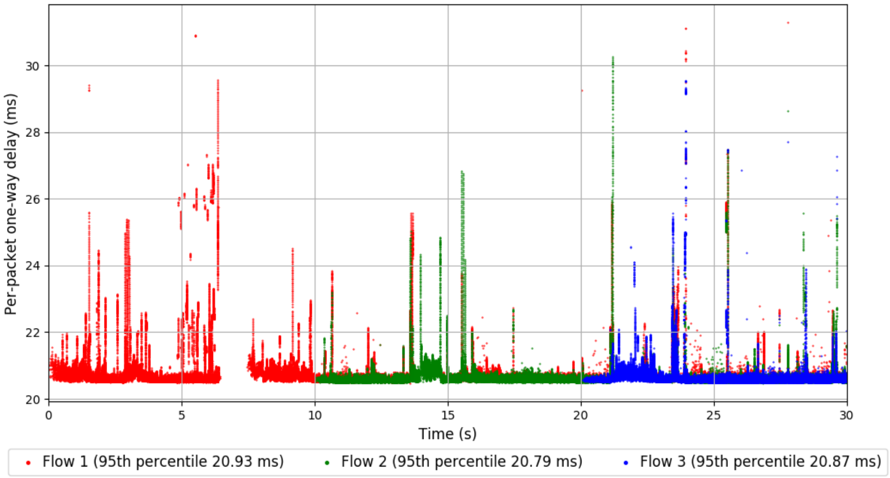




```
Run 8: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:35:18 +0000
End at: Sun, 09 Jul 2017 22:35:48 +0000
Local clock offset: 0.264 ms
Remote clock offset: -1.532 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:54:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.29 Mbit/s
95th percentile per-packet one-way delay: 20.878 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 101.95 Mbit/s
95th percentile per-packet one-way delay: 20.928 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 20.794 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 102.22 Mbit/s
95th percentile per-packet one-way delay: 20.872 ms
Loss rate: 0.02%
```

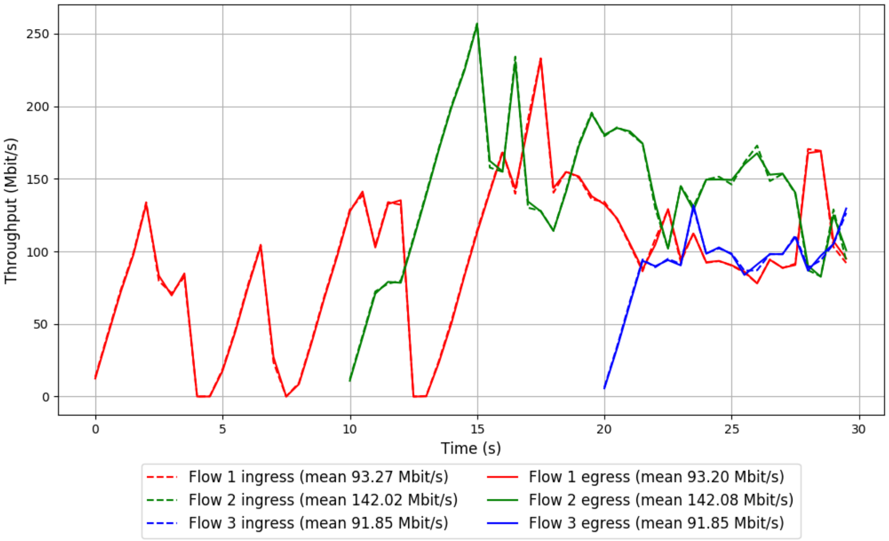
Run 8: Report of LEDBAT — Data Link

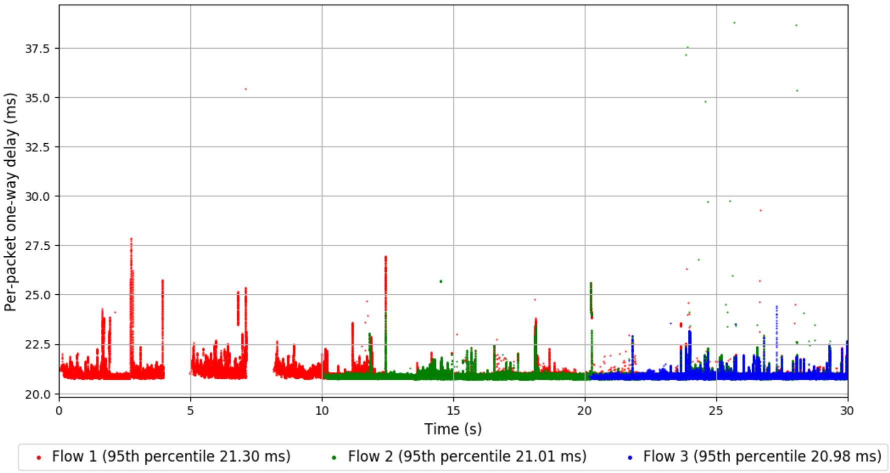




```
Run 9: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:55:55 +0000
End at: Sun, 09 Jul 2017 22:56:25 +0000
Local clock offset: 0.465 ms
Remote clock offset: -1.583 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:54:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.74 Mbit/s
95th percentile per-packet one-way delay: 21.171 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 21.295 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 142.08 Mbit/s
95th percentile per-packet one-way delay: 21.014 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 20.980 ms
Loss rate: 0.00%
```

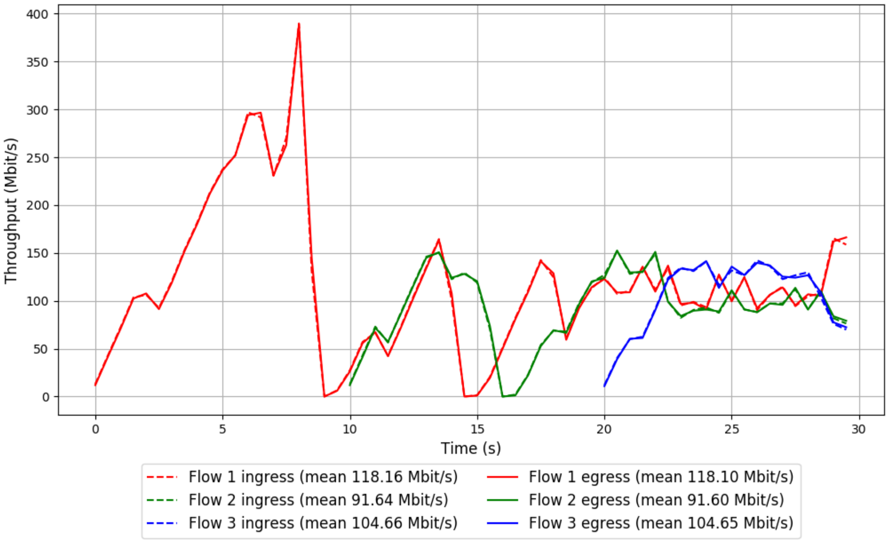
Run 9: Report of LEDBAT — Data Link

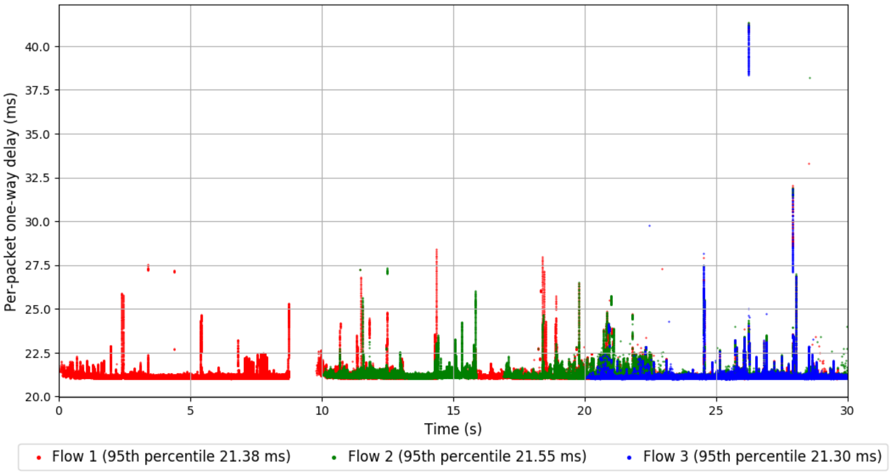




```
Run 10: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:16:41 +0000
End at: Sun, 09 Jul 2017 23:17:11 +0000
Local clock offset: 0.619 ms
Remote clock offset: -1.737 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:55:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 213.79 Mbit/s
95th percentile per-packet one-way delay: 21.436 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 118.10 Mbit/s
95th percentile per-packet one-way delay: 21.376 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 21.553 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 104.65 Mbit/s
95th percentile per-packet one-way delay: 21.303 ms
Loss rate: 0.00%
```

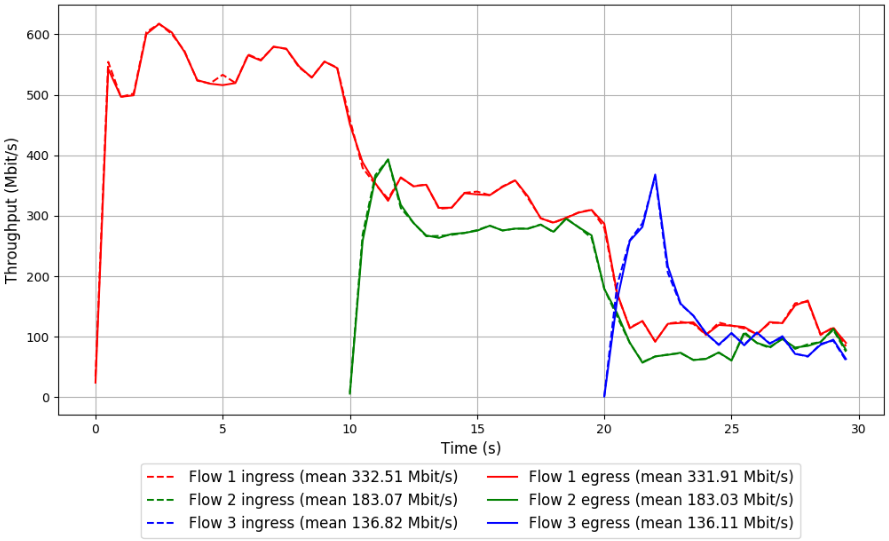
Run 10: Report of LEDBAT — Data Link

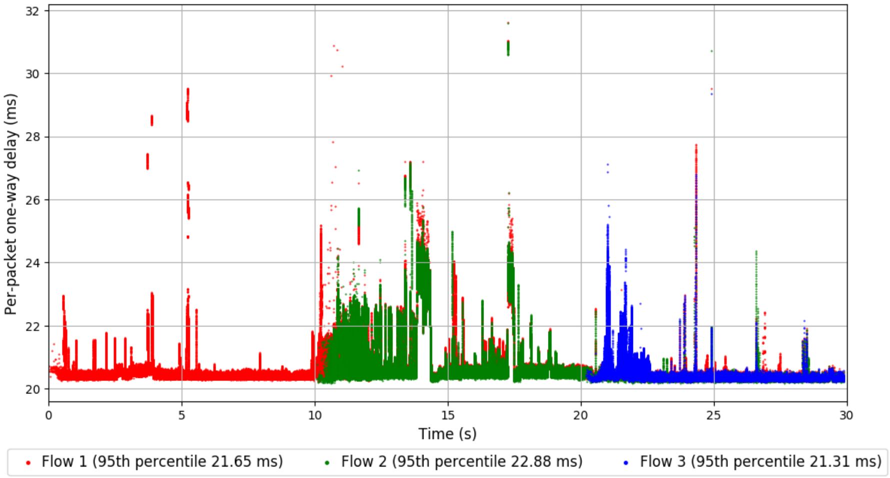




```
Run 1: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:05:06 +0000
End at: Sun, 09 Jul 2017 20:05:36 +0000
Local clock offset: 0.28 ms
Remote clock offset: -1.354 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:56:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.48 Mbit/s
95th percentile per-packet one-way delay: 21.932 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 331.91 Mbit/s
95th percentile per-packet one-way delay: 21.650 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 183.03 Mbit/s
95th percentile per-packet one-way delay: 22.884 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 136.11 Mbit/s
95th percentile per-packet one-way delay: 21.309 ms
Loss rate: 0.52%
```

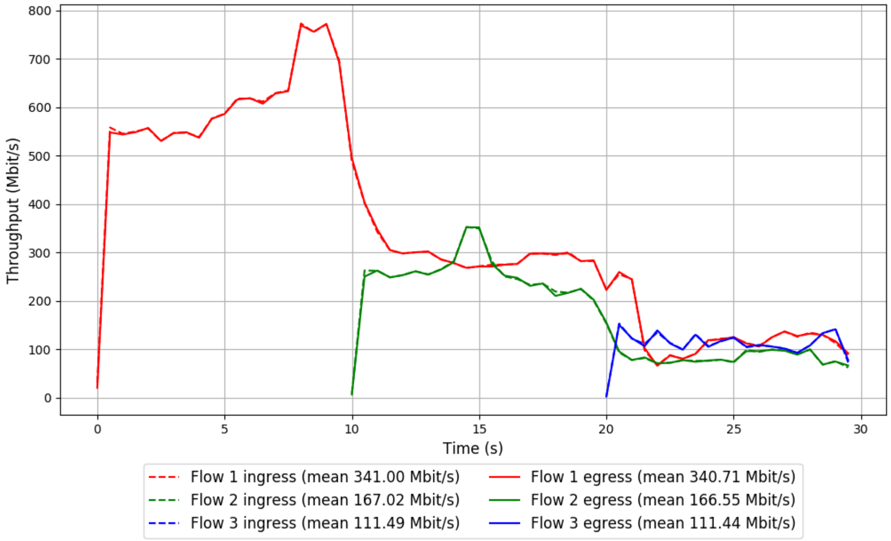
Run 1: Report of PCC — Data Link

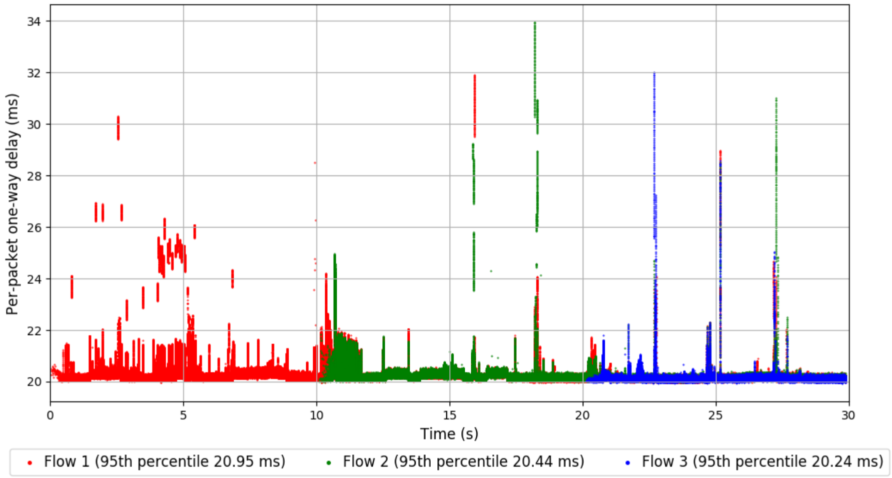




```
Run 2: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:26:14 +0000
End at: Sun, 09 Jul 2017 20:26:44 +0000
Local clock offset: 0.124 ms
Remote clock offset: -1.208 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:56:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 487.48 Mbit/s
95th percentile per-packet one-way delay: 20.807 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 340.71 Mbit/s
95th percentile per-packet one-way delay: 20.948 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 166.55 Mbit/s
95th percentile per-packet one-way delay: 20.443 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 111.44 Mbit/s
95th percentile per-packet one-way delay: 20.244 ms
Loss rate: 0.05%
```

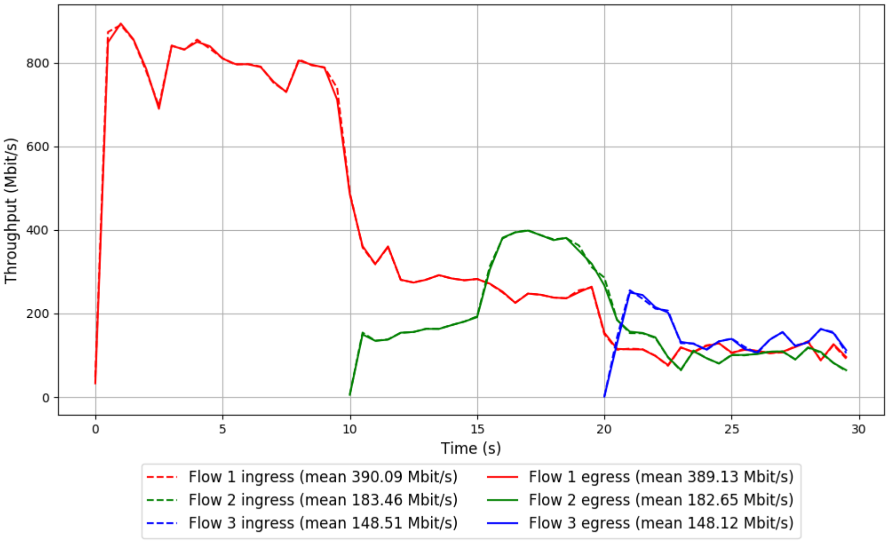
Run 2: Report of PCC — Data Link

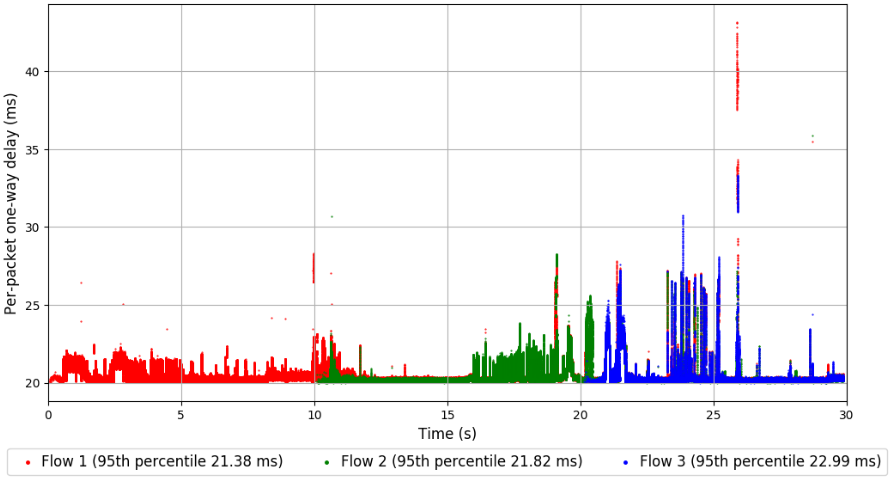




```
Run 3: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:47:11 +0000
End at: Sun, 09 Jul 2017 20:47:41 +0000
Local clock offset: 0.088 ms
Remote clock offset: -1.286 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:57:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.50 Mbit/s
95th percentile per-packet one-way delay: 21.469 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 389.13 Mbit/s
95th percentile per-packet one-way delay: 21.383 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 182.65 Mbit/s
95th percentile per-packet one-way delay: 21.821 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 148.12 Mbit/s
95th percentile per-packet one-way delay: 22.987 ms
Loss rate: 0.26%
```

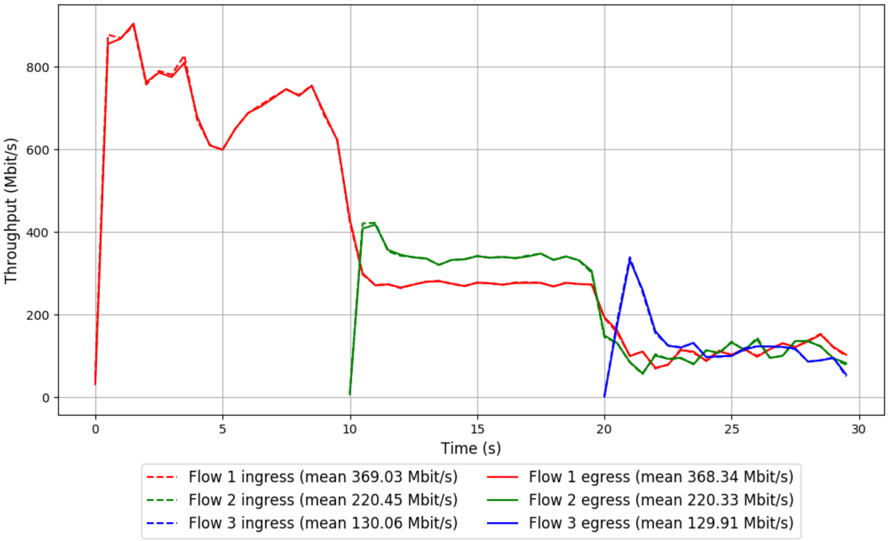
Run 3: Report of PCC — Data Link

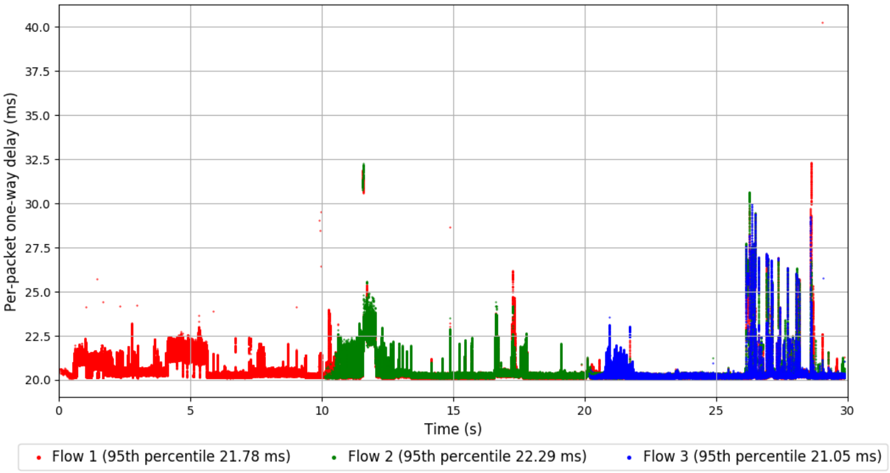




```
Run 4: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:08:04 +0000
End at: Sun, 09 Jul 2017 21:08:34 +0000
Local clock offset: -0.058 ms
Remote clock offset: -1.476 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:57:29 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 556.70 Mbit/s
95th percentile per-packet one-way delay: 21.814 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 368.34 Mbit/s
95th percentile per-packet one-way delay: 21.782 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 220.33 Mbit/s
95th percentile per-packet one-way delay: 22.285 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 129.91 Mbit/s
95th percentile per-packet one-way delay: 21.046 ms
Loss rate: 0.12%
```

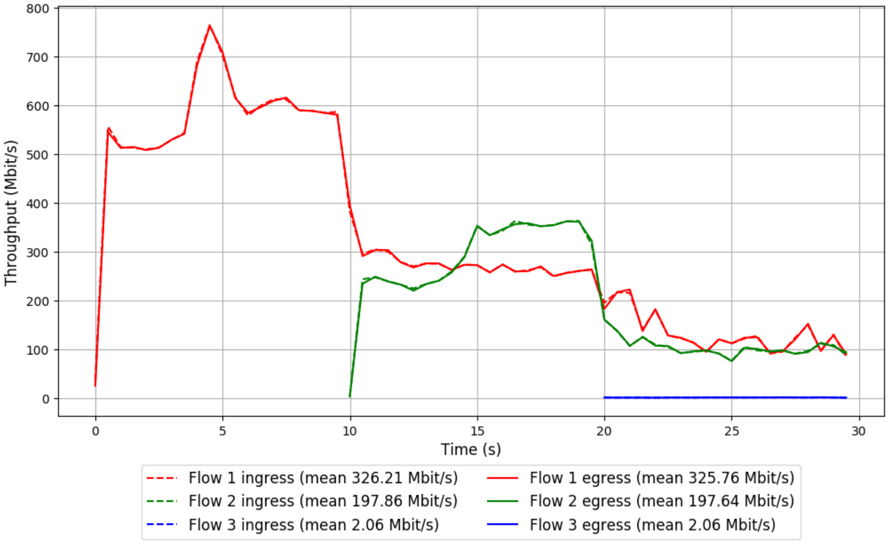
Run 4: Report of PCC — Data Link

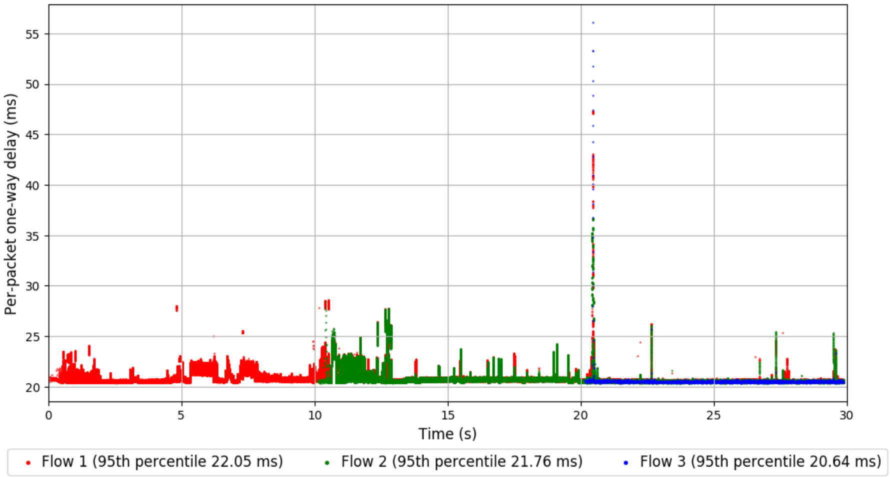




```
Run 5: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:29:01 +0000
End at: Sun, 09 Jul 2017 21:29:31 +0000
Local clock offset: -0.105 ms
Remote clock offset: -1.733 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:58:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.30 Mbit/s
95th percentile per-packet one-way delay: 22.028 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 325.76 Mbit/s
95th percentile per-packet one-way delay: 22.048 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 197.64 Mbit/s
95th percentile per-packet one-way delay: 21.757 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 20.643 ms
Loss rate: 0.00%
```

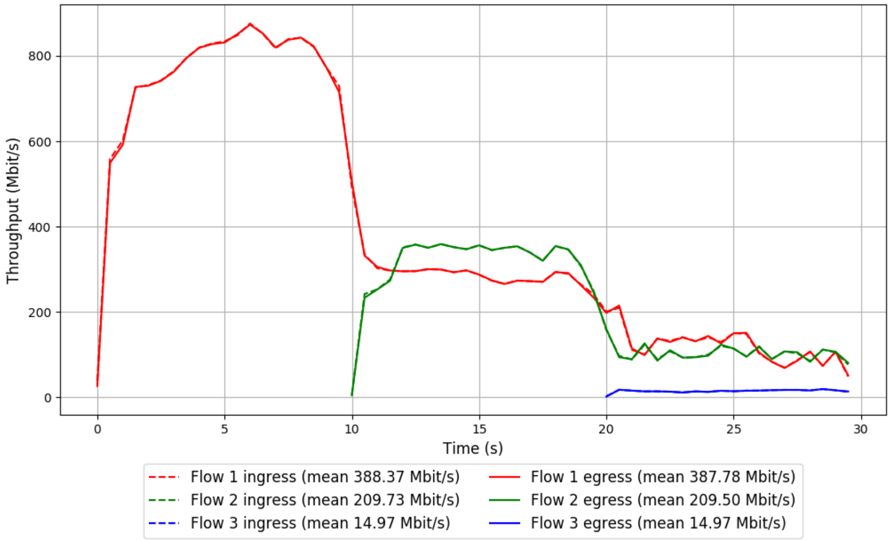
Run 5: Report of PCC — Data Link

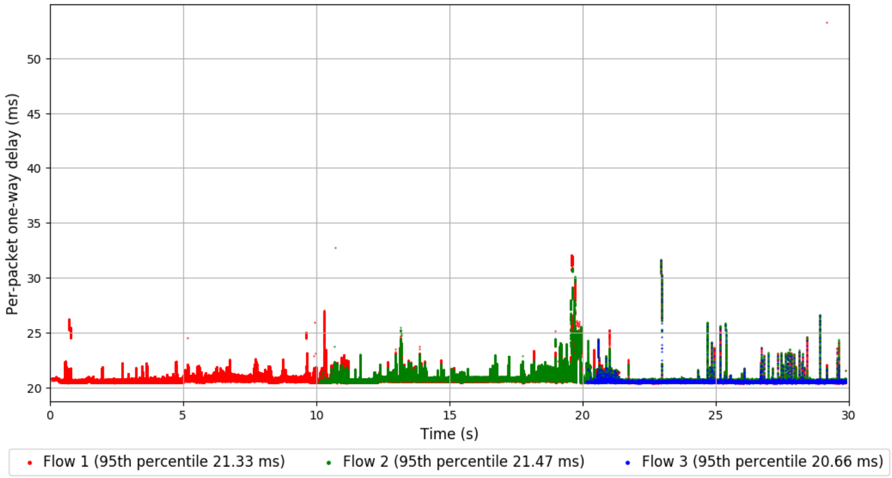




```
Run 6: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:49:42 +0000
End at: Sun, 09 Jul 2017 21:50:12 +0000
Local clock offset: 0.078 ms
Remote clock offset: -1.81 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:58:37 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.49 Mbit/s
95th percentile per-packet one-way delay: 21.350 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 387.78 Mbit/s
95th percentile per-packet one-way delay: 21.331 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 209.50 Mbit/s
95th percentile per-packet one-way delay: 21.468 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 20.661 ms
Loss rate: 0.01%
```

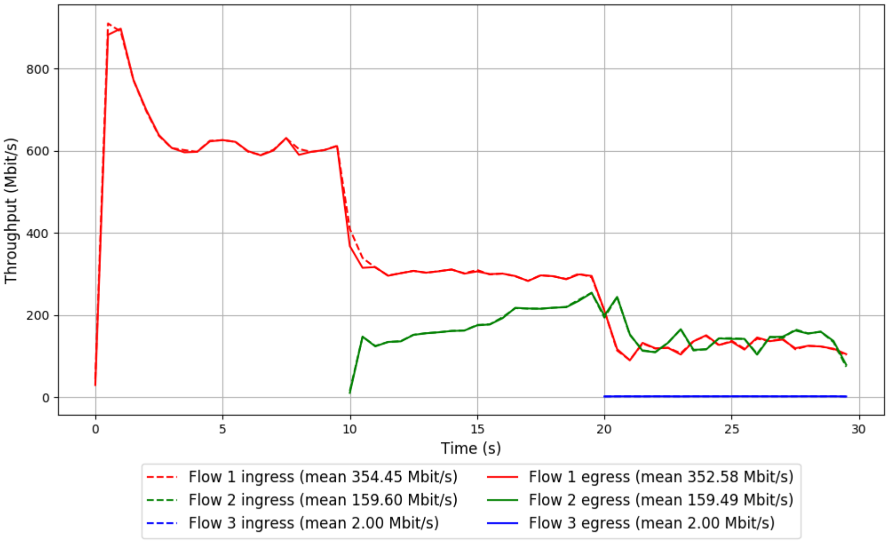
Run 6: Report of PCC — Data Link

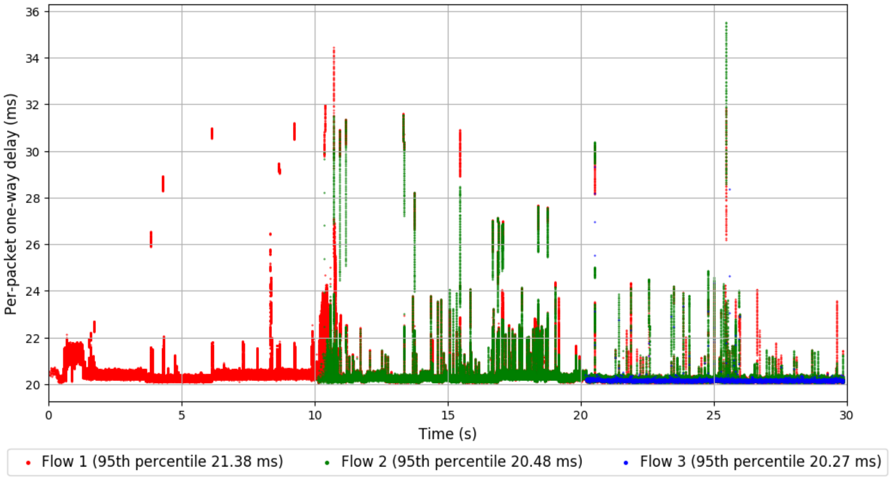




```
Run 7: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:10:26 +0000
End at: Sun, 09 Jul 2017 22:10:56 +0000
Local clock offset: 0.155 ms
Remote clock offset: -1.41 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:59:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 458.98 Mbit/s
95th percentile per-packet one-way delay: 21.322 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 352.58 Mbit/s
95th percentile per-packet one-way delay: 21.380 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 159.49 Mbit/s
95th percentile per-packet one-way delay: 20.479 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 20.275 ms
Loss rate: 0.00%
```

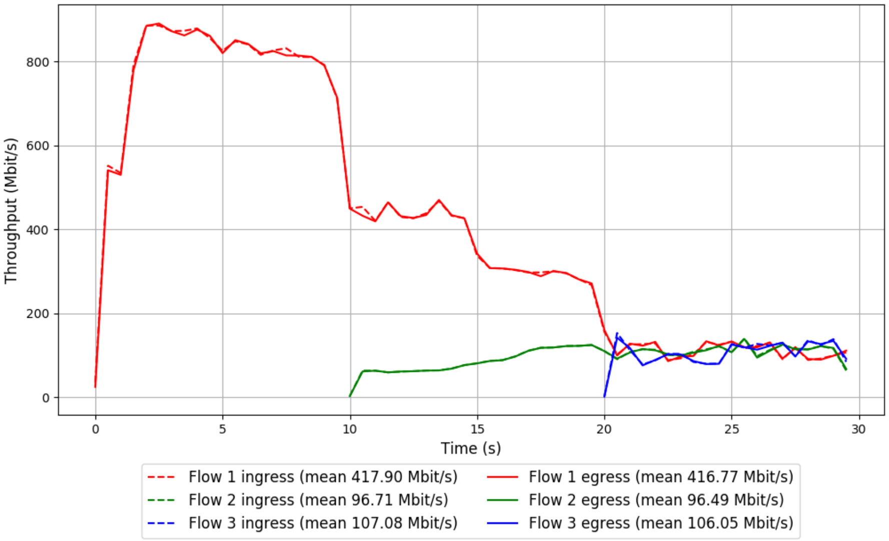
Run 7: Report of PCC — Data Link

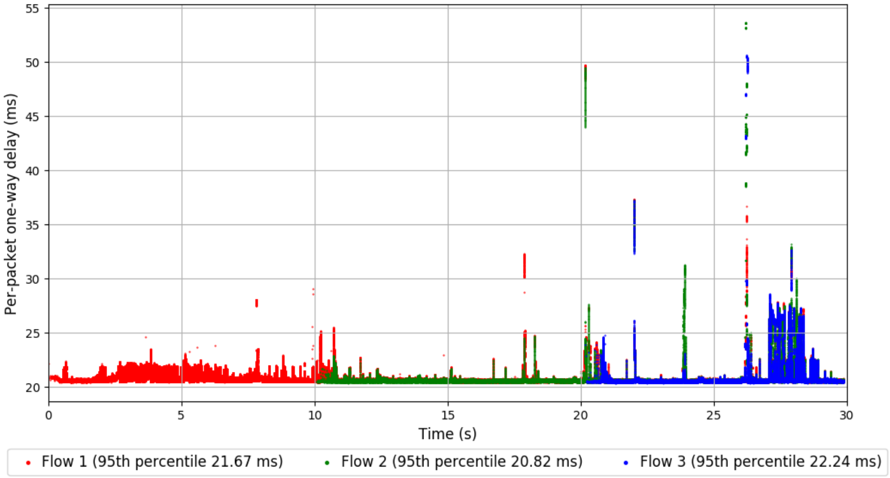




```
Run 8: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:31:03 +0000
End at: Sun, 09 Jul 2017 22:31:33 +0000
Local clock offset: 0.151 ms
Remote clock offset: -1.577 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 04:59:45 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 515.29 Mbit/s
95th percentile per-packet one-way delay: 21.666 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 416.77 Mbit/s
95th percentile per-packet one-way delay: 21.671 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 20.820 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 106.05 Mbit/s
95th percentile per-packet one-way delay: 22.238 ms
Loss rate: 1.00%
```

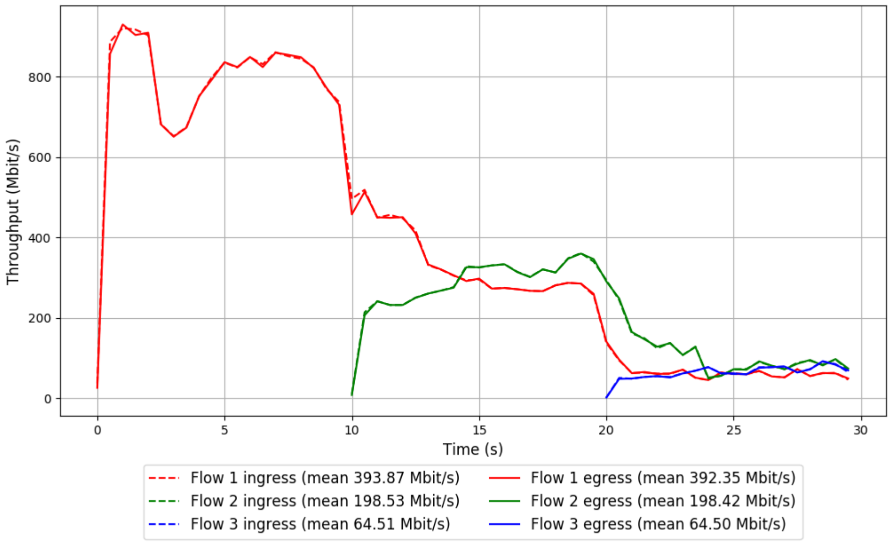
Run 8: Report of PCC — Data Link

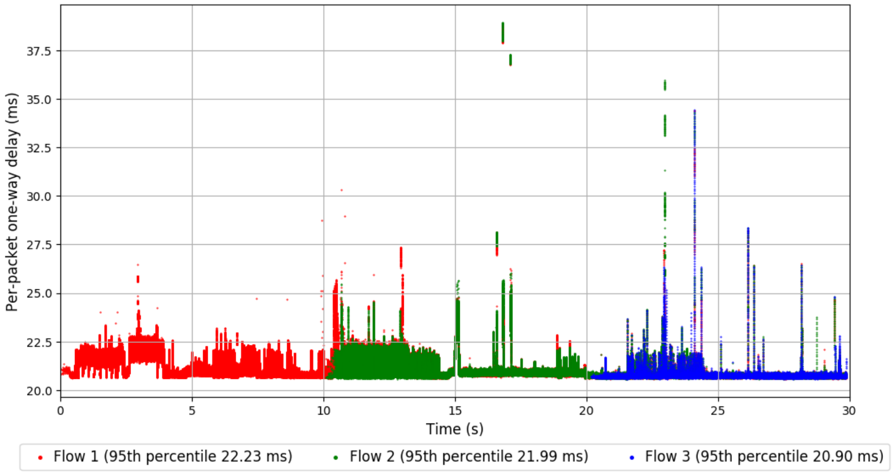




```
Run 9: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:51:38 +0000
End at: Sun, 09 Jul 2017 22:52:08 +0000
Local clock offset: 0.362 ms
Remote clock offset: -1.599 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:00:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 544.80 Mbit/s
95th percentile per-packet one-way delay: 22.181 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 392.35 Mbit/s
95th percentile per-packet one-way delay: 22.227 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 198.42 Mbit/s
95th percentile per-packet one-way delay: 21.993 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 20.896 ms
Loss rate: 0.01%
```

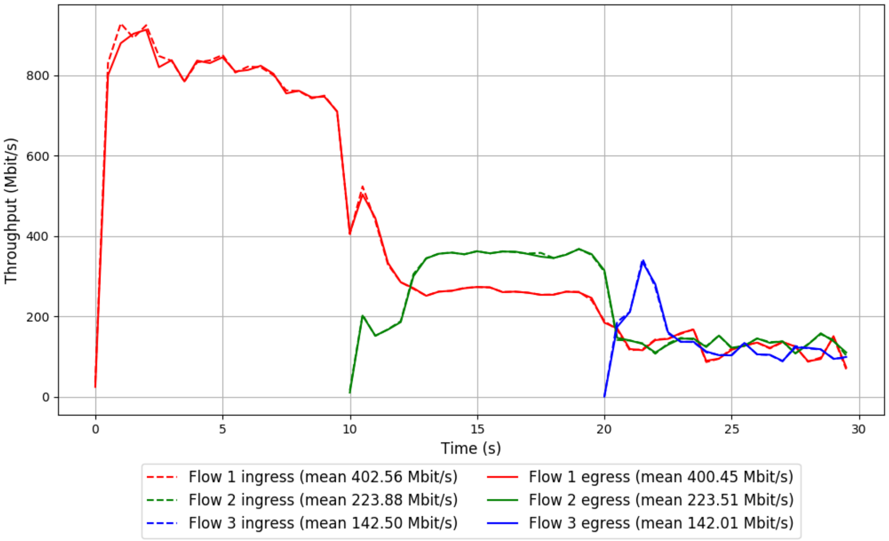
Run 9: Report of PCC — Data Link

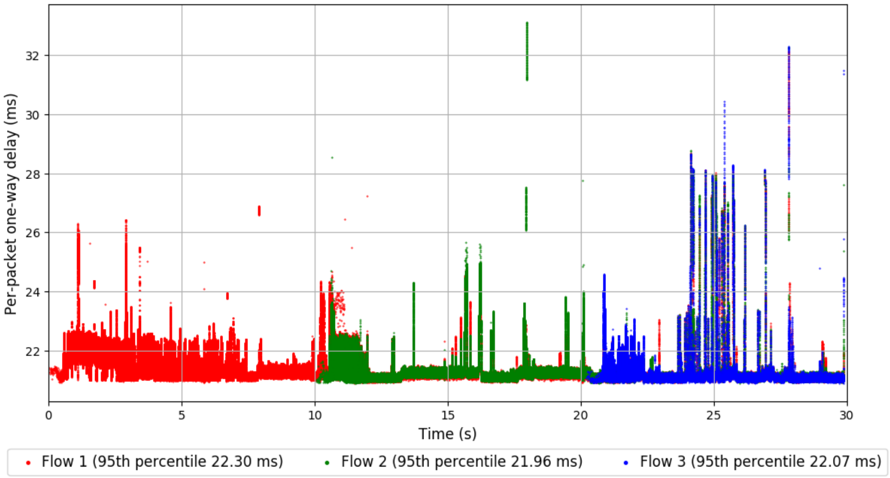




```
Run 10: Statistics of PCC

Start at: Sun, 09 Jul 2017 23:12:23 +0000
End at: Sun, 09 Jul 2017 23:12:53 +0000
Local clock offset: 0.587 ms
Remote clock offset: -1.76 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 594.77 Mbit/s
95th percentile per-packet one-way delay: 22.278 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 400.45 Mbit/s
95th percentile per-packet one-way delay: 22.301 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 223.51 Mbit/s
95th percentile per-packet one-way delay: 21.962 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 142.01 Mbit/s
95th percentile per-packet one-way delay: 22.073 ms
Loss rate: 0.28%
```

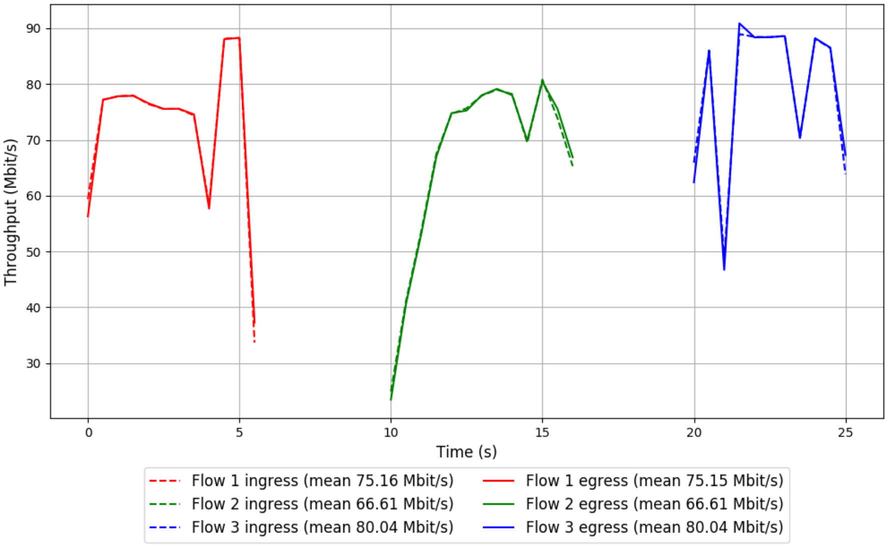
Run 10: Report of PCC — Data Link

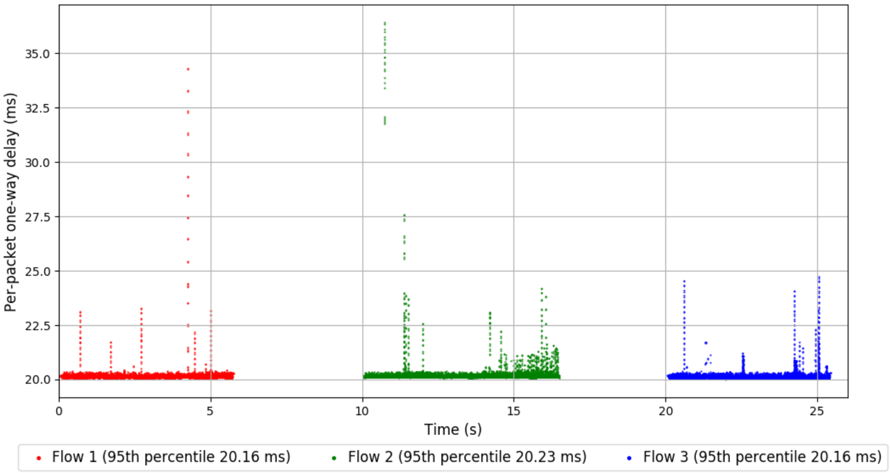




```
Run 1: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:13:45 +0000
End at: Sun, 09 Jul 2017 20:14:15 +0000
Local clock offset: 0.245 ms
Remote clock offset: -1.166 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.93 Mbit/s
95th percentile per-packet one-way delay: 20.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 20.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.61 Mbit/s
95th percentile per-packet one-way delay: 20.225 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 80.04 Mbit/s
95th percentile per-packet one-way delay: 20.159 ms
Loss rate: 0.00%
```

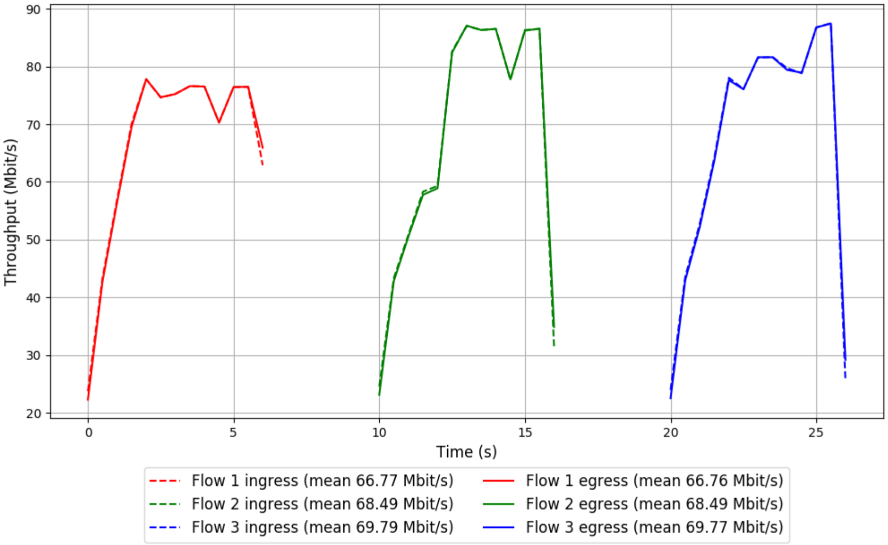
Run 1: Report of QUIC Cubic — Data Link

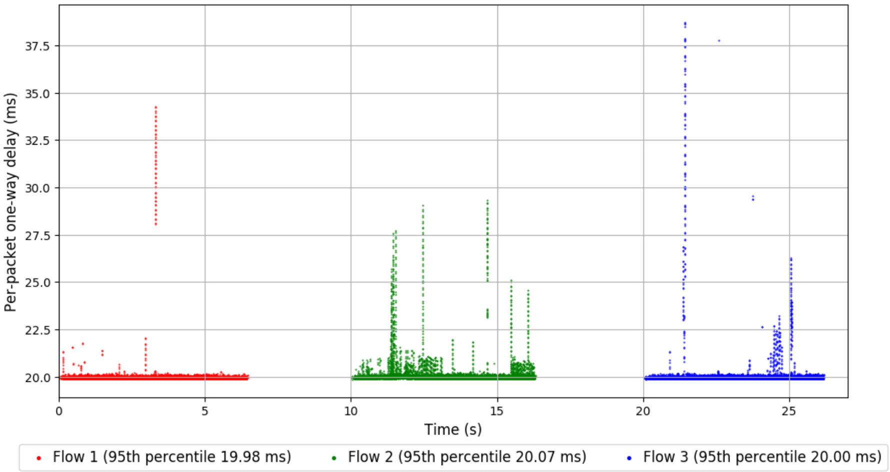




```
Run 2: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:34:50 +0000
End at: Sun, 09 Jul 2017 20:35:20 +0000
Local clock offset: 0.201 ms
Remote clock offset: -1.09 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 20.010 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.76 Mbit/s
95th percentile per-packet one-way delay: 19.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.49 Mbit/s
95th percentile per-packet one-way delay: 20.069 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 19.999 ms
Loss rate: 0.03%
```

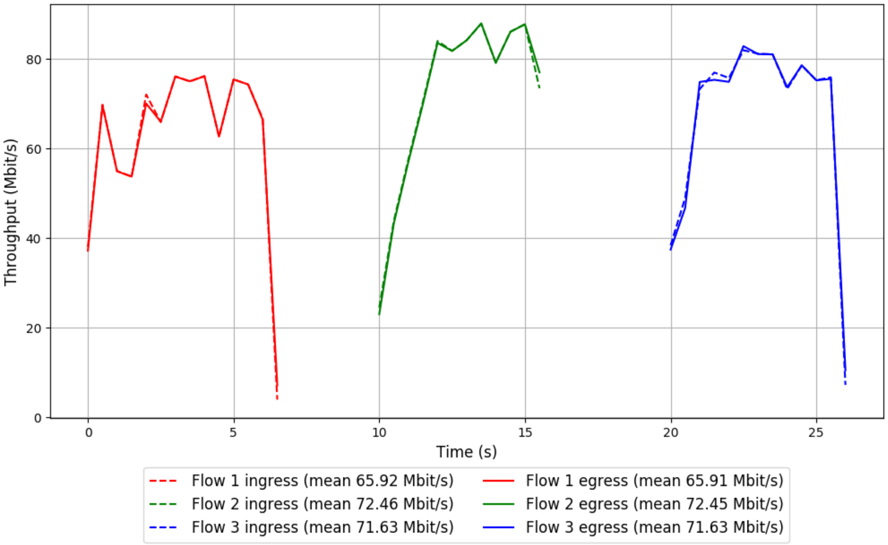
Run 2: Report of QUIC Cubic — Data Link

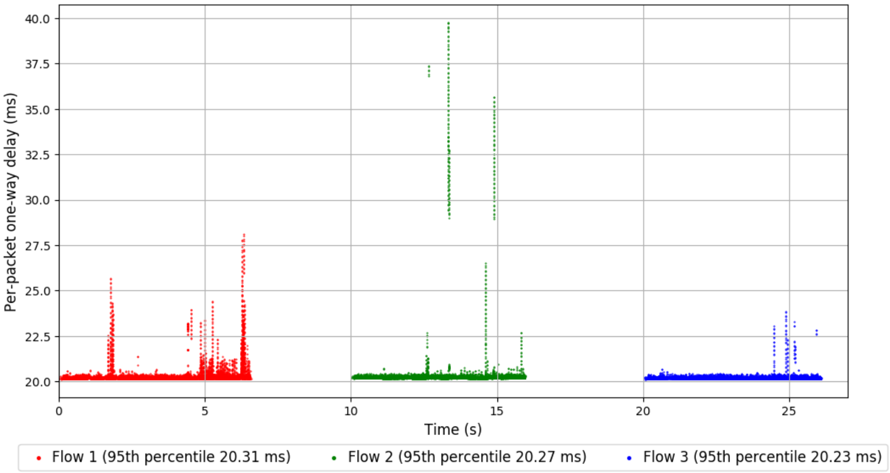




```
Run 3: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:55:55 +0000
End at: Sun, 09 Jul 2017 20:56:25 +0000
Local clock offset: 0.023 ms
Remote clock offset: -1.431 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 20.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 20.313 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.45 Mbit/s
95th percentile per-packet one-way delay: 20.269 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.63 Mbit/s
95th percentile per-packet one-way delay: 20.230 ms
Loss rate: 0.00%
```

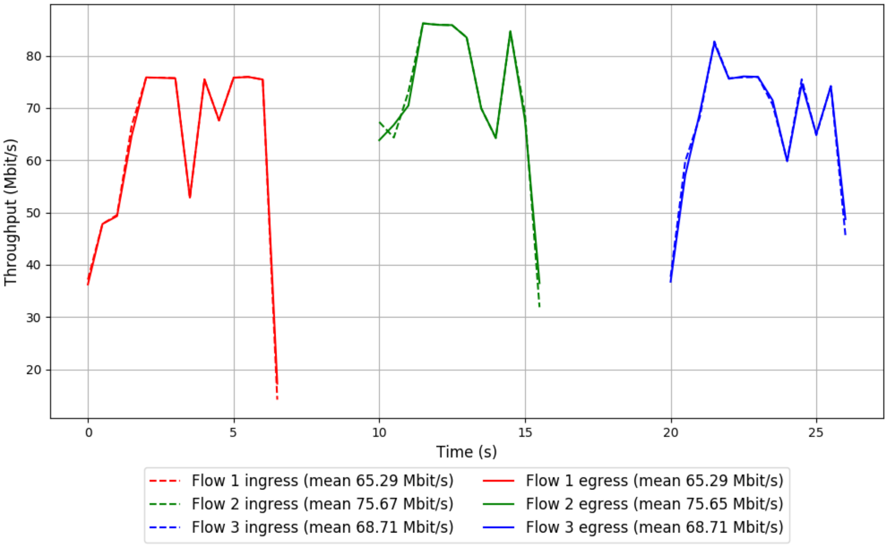
Run 3: Report of QUIC Cubic — Data Link

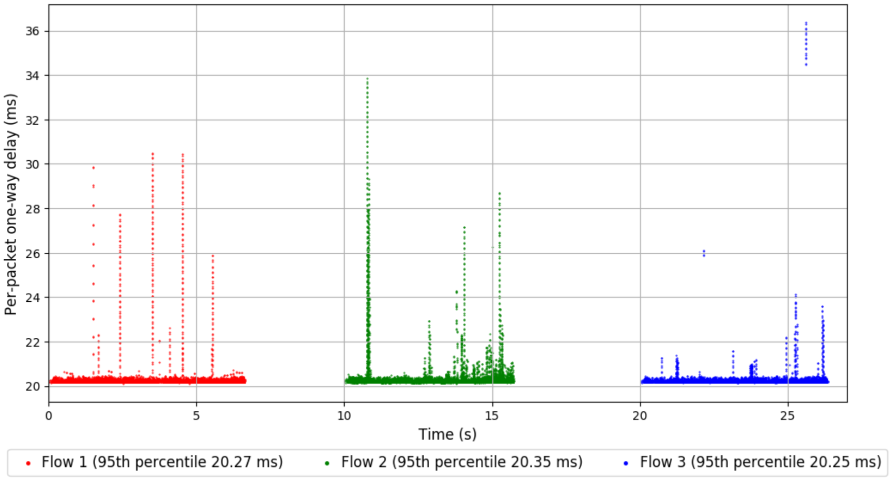




```
Run 4: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:16:46 +0000
End at: Sun, 09 Jul 2017 21:17:16 +0000
Local clock offset: -0.061 ms
Remote clock offset: -1.541 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 20.287 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.29 Mbit/s
95th percentile per-packet one-way delay: 20.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 20.354 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 68.71 Mbit/s
95th percentile per-packet one-way delay: 20.255 ms
Loss rate: 0.00%
```

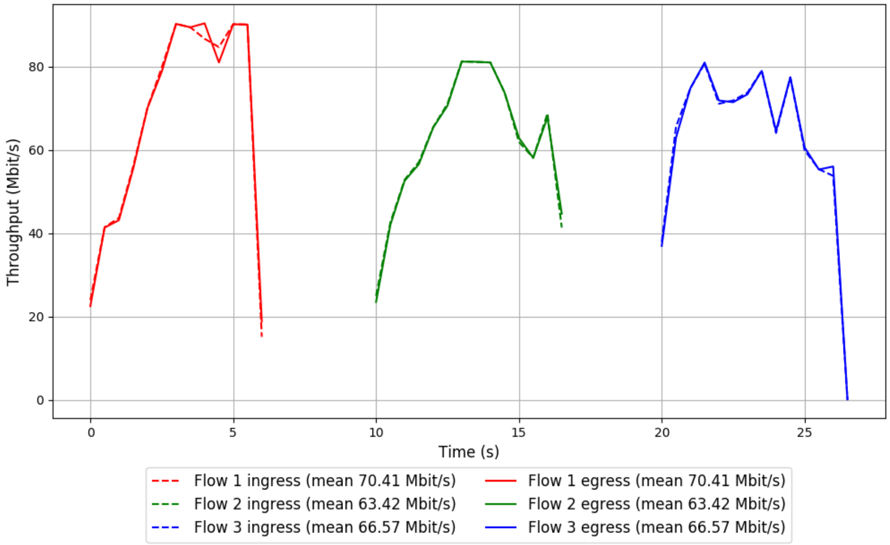
Run 4: Report of QUIC Cubic — Data Link

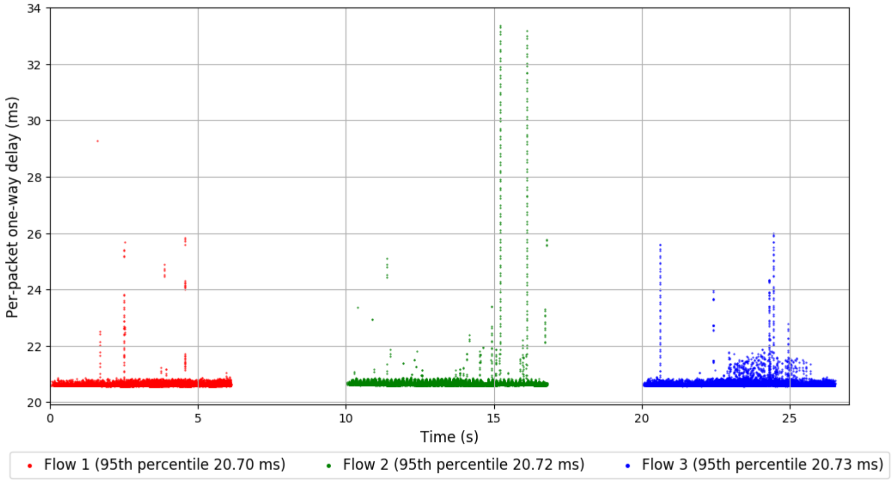




```
Run 5: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:37:37 +0000
End at: Sun, 09 Jul 2017 21:38:07 +0000
Local clock offset: -0.041 ms
Remote clock offset: -1.871 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 20.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.41 Mbit/s
95th percentile per-packet one-way delay: 20.698 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 20.720 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 20.729 ms
Loss rate: 0.00%
```

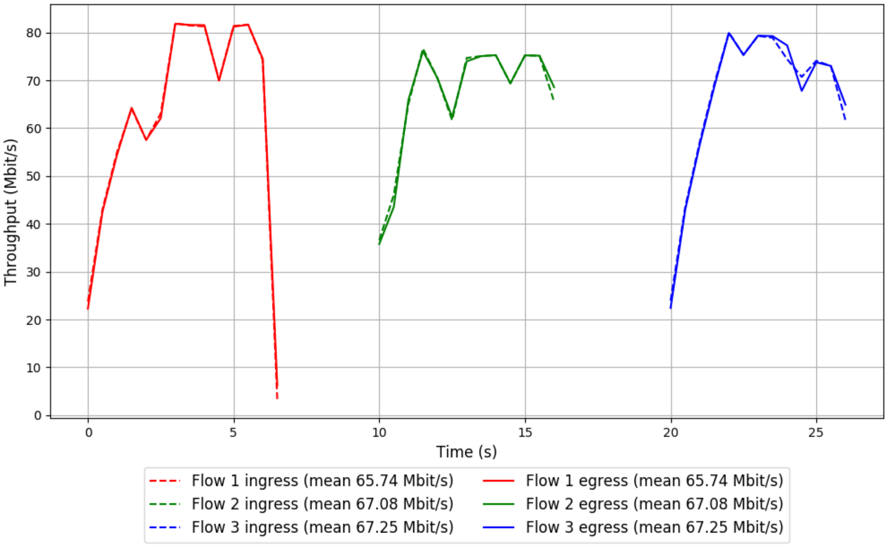
Run 5: Report of QUIC Cubic — Data Link

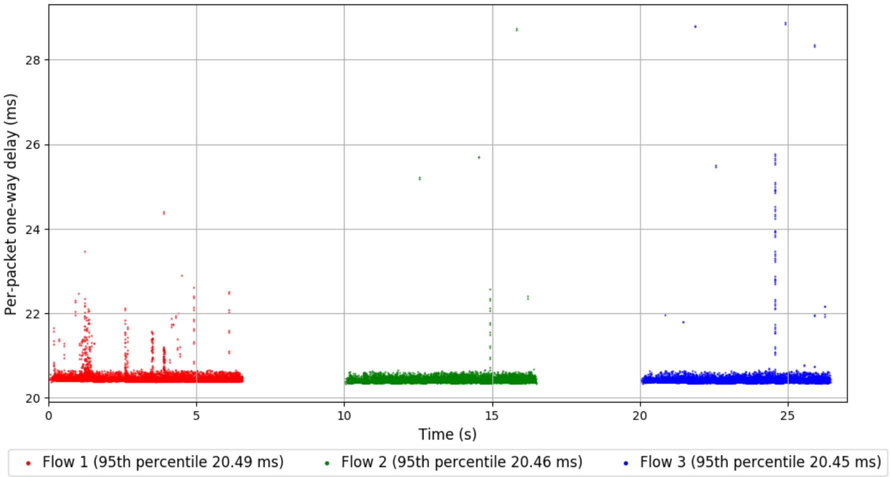




```
Run 6: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:58:24 +0000
End at: Sun, 09 Jul 2017 21:58:54 +0000
Local clock offset: 0.039 ms
Remote clock offset: -1.682 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 20.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 20.488 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 67.08 Mbit/s
95th percentile per-packet one-way delay: 20.464 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.25 Mbit/s
95th percentile per-packet one-way delay: 20.454 ms
Loss rate: 0.00%
```

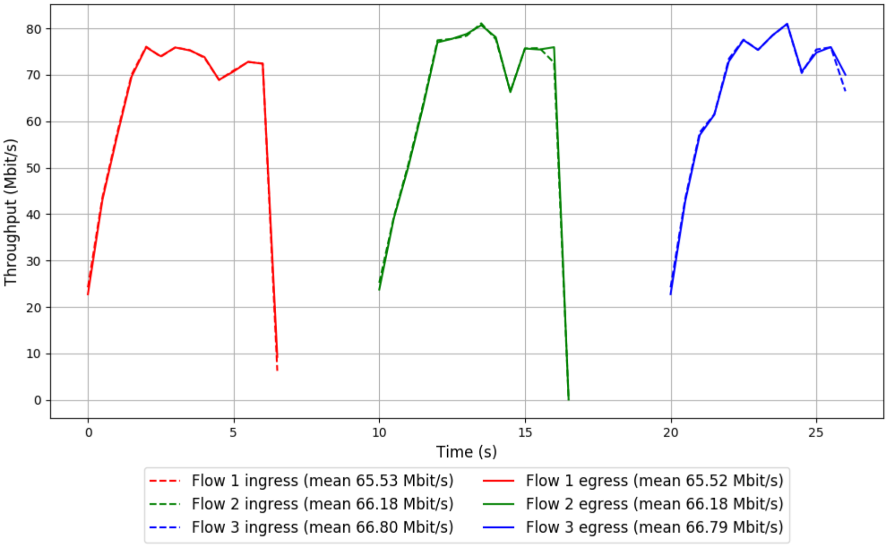
Run 6: Report of QUIC Cubic — Data Link

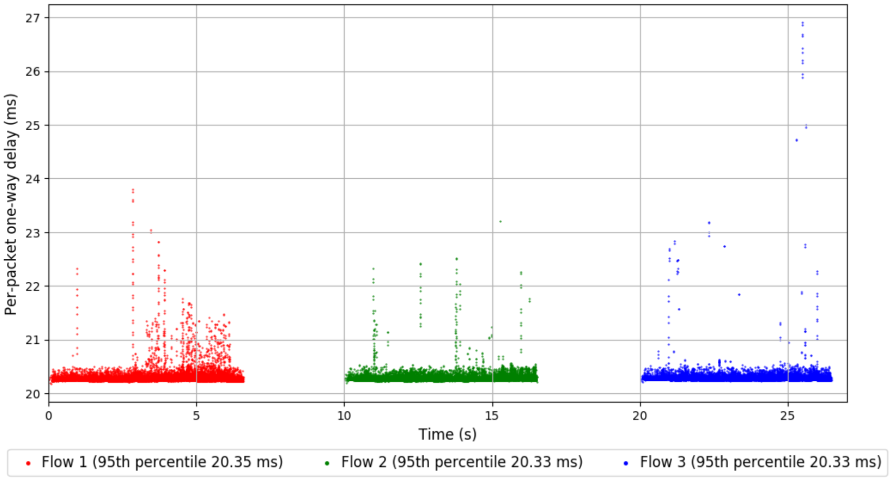




```
Run 7: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:18:56 +0000
End at: Sun, 09 Jul 2017 22:19:27 +0000
Local clock offset: 0.2 ms
Remote clock offset: -1.445 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 20.336 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.52 Mbit/s
95th percentile per-packet one-way delay: 20.347 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 20.333 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.79 Mbit/s
95th percentile per-packet one-way delay: 20.330 ms
Loss rate: 0.01%
```

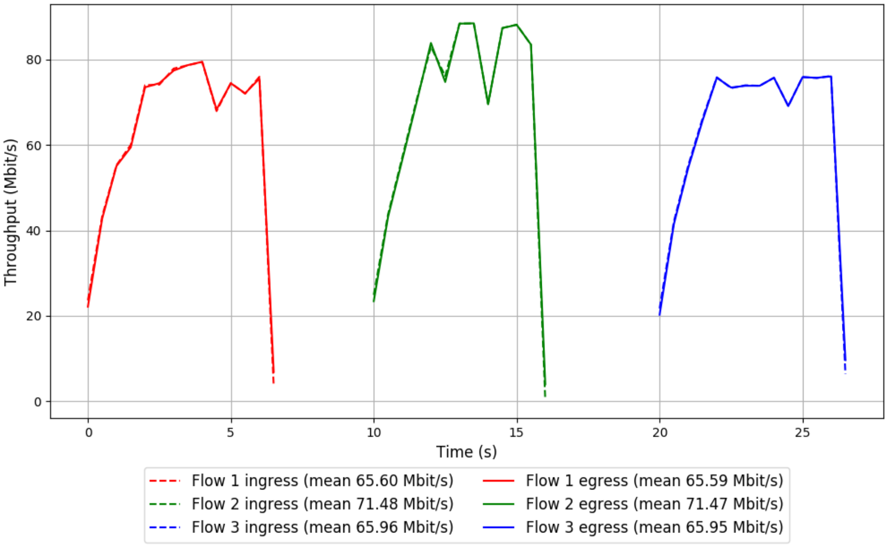
Run 7: Report of QUIC Cubic — Data Link

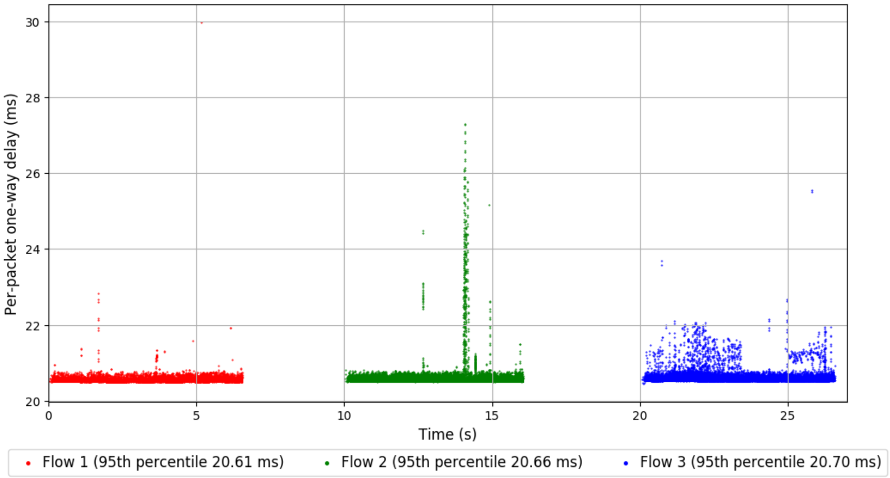




```
Run 8: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:39:40 +0000
End at: Sun, 09 Jul 2017 22:40:10 +0000
Local clock offset: 0.312 ms
Remote clock offset: -1.52 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 20.660 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.59 Mbit/s
95th percentile per-packet one-way delay: 20.611 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 71.47 Mbit/s
95th percentile per-packet one-way delay: 20.664 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 20.695 ms
Loss rate: 0.01%
```

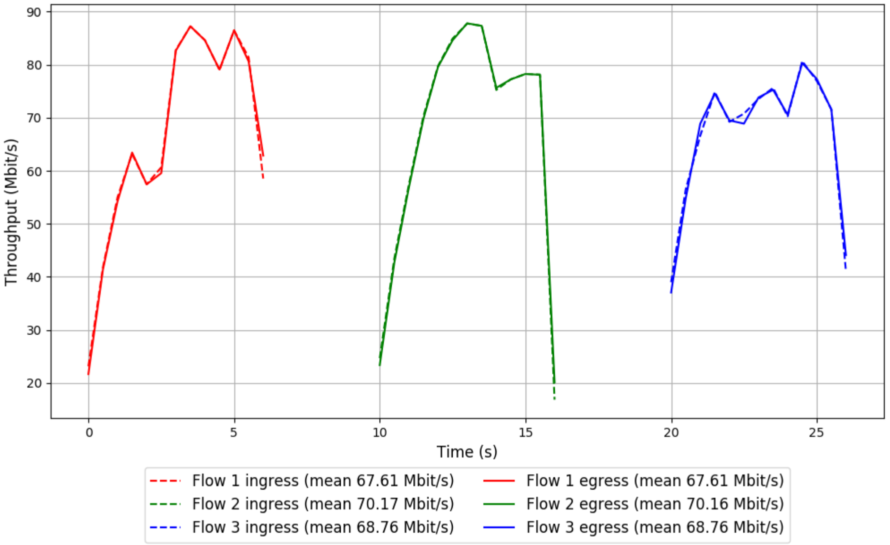
Run 8: Report of QUIC Cubic — Data Link

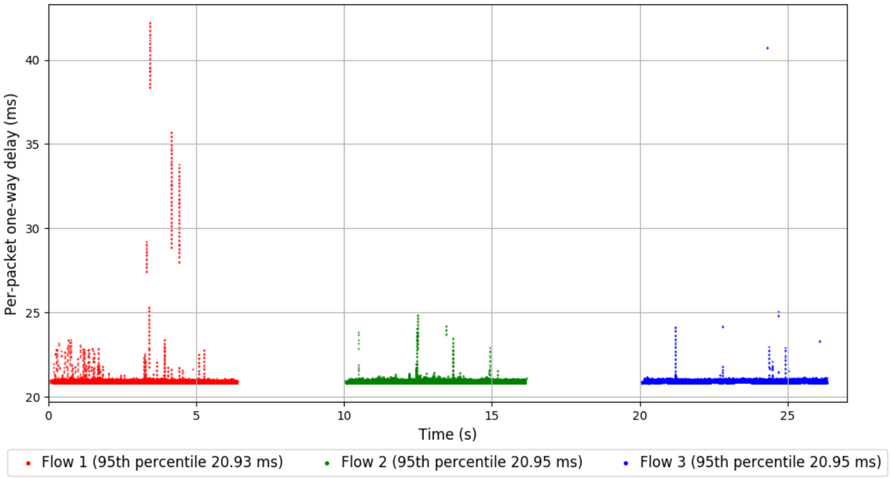




```
Run 9: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 23:00:19 +0000
End at: Sun, 09 Jul 2017 23:00:49 +0000
Local clock offset: 0.411 ms
Remote clock offset: -1.679 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:26 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 20.949 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 20.934 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 20.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 20.954 ms
Loss rate: 0.01%
```

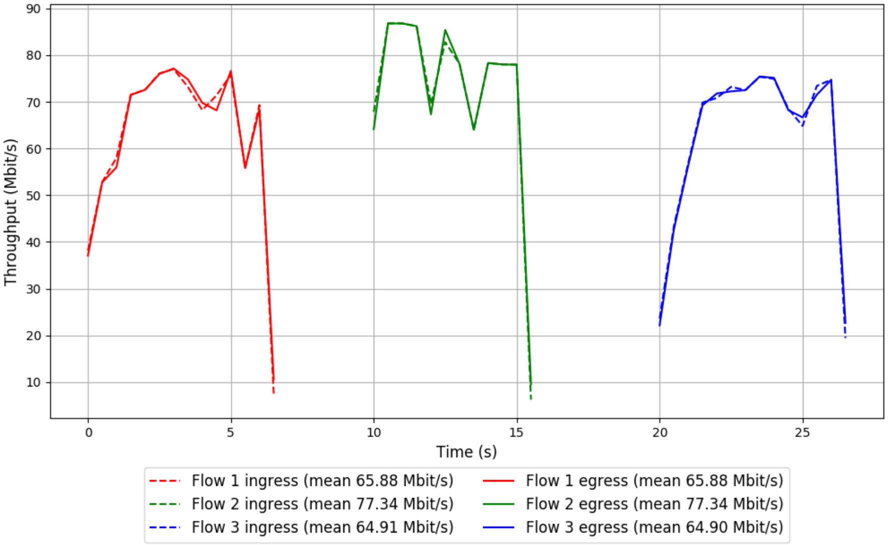
Run 9: Report of QUIC Cubic — Data Link

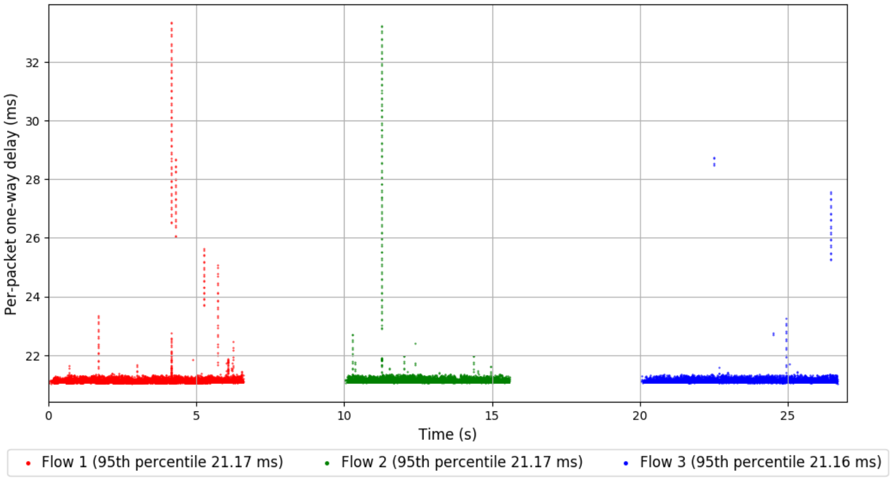




```
Run 10: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 23:21:03 +0000
End at: Sun, 09 Jul 2017 23:21:33 +0000
Local clock offset: 0.558 ms
Remote clock offset: -1.797 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:31 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 21.169 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 21.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 21.173 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 21.162 ms
Loss rate: 0.01%
```

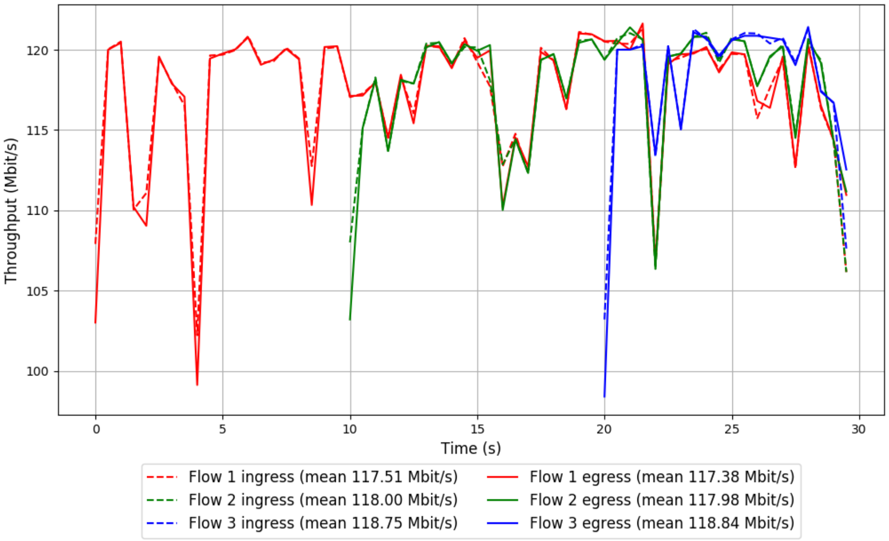
Run 10: Report of QUIC Cubic — Data Link

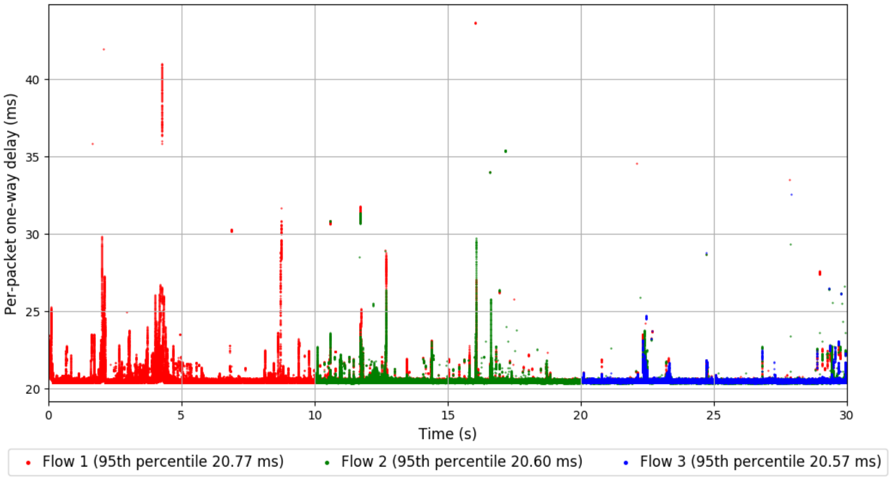




```
Run 1: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:00:58 +0000
End at: Sun, 09 Jul 2017 20:01:28 +0000
Local clock offset: 0.299 ms
Remote clock offset: -1.471 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:01:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.31 Mbit/s
95th percentile per-packet one-way delay: 20.647 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 117.38 Mbit/s
95th percentile per-packet one-way delay: 20.770 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 117.98 Mbit/s
95th percentile per-packet one-way delay: 20.603 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 118.84 Mbit/s
95th percentile per-packet one-way delay: 20.571 ms
Loss rate: 0.00%
```

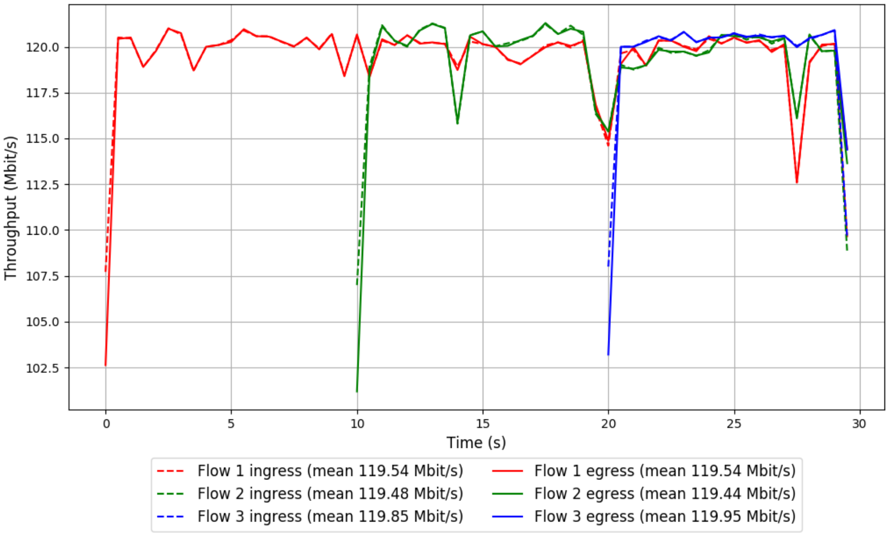
Run 1: Report of Saturator — Data Link

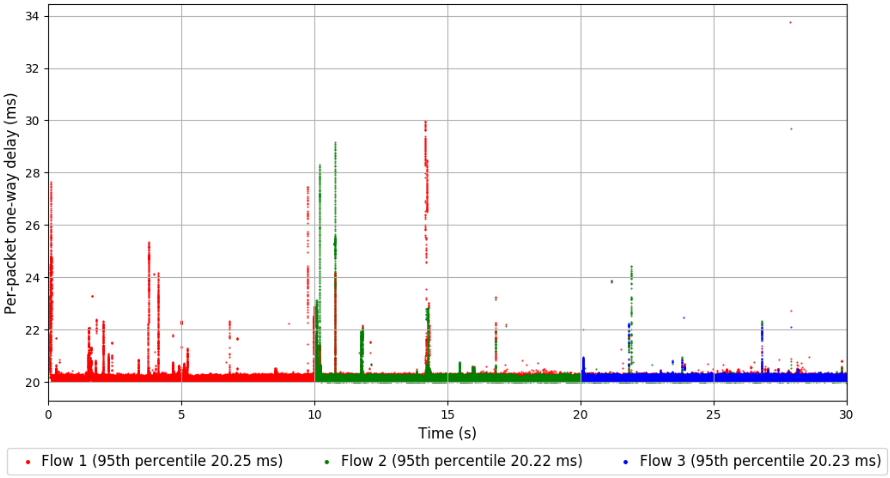




```
Run 2: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:22:07 +0000
End at: Sun, 09 Jul 2017 20:22:37 +0000
Local clock offset: 0.223 ms
Remote clock offset: -1.125 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:02:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 238.91 Mbit/s
95th percentile per-packet one-way delay: 20.235 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 119.54 Mbit/s
95th percentile per-packet one-way delay: 20.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.44 Mbit/s
95th percentile per-packet one-way delay: 20.220 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 119.95 Mbit/s
95th percentile per-packet one-way delay: 20.225 ms
Loss rate: 0.00%
```

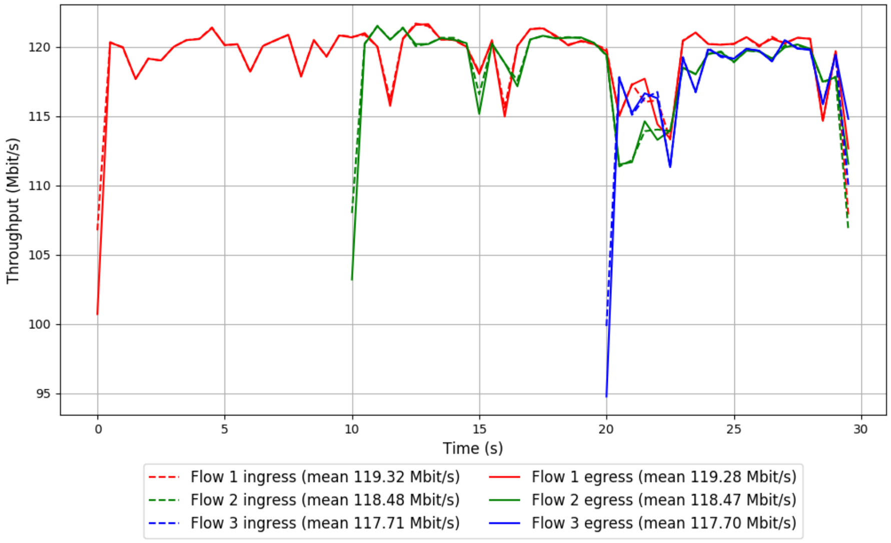
Run 2: Report of Saturator — Data Link

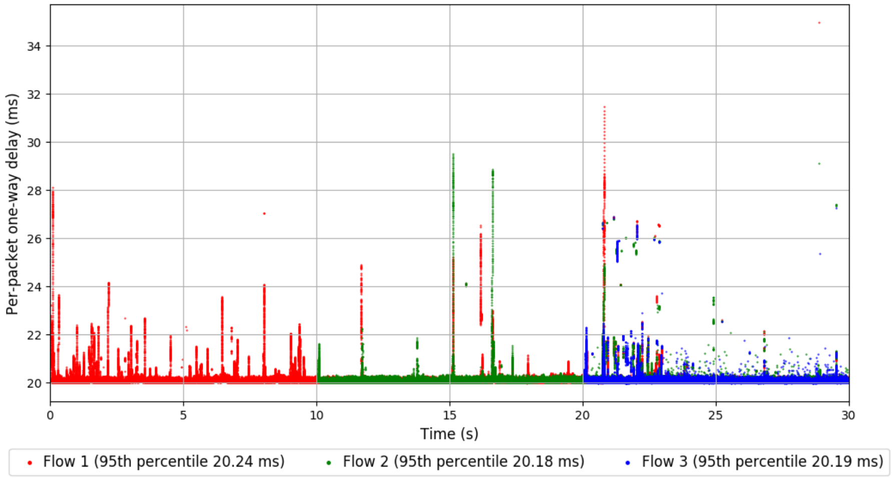




```
Run 3: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:43:05 +0000
End at: Sun, 09 Jul 2017 20:43:35 +0000
Local clock offset: 0.175 ms
Remote clock offset: -1.156 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:02:26 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.15 Mbit/s
95th percentile per-packet one-way delay: 20.210 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 119.28 Mbit/s
95th percentile per-packet one-way delay: 20.240 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 118.47 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 117.70 Mbit/s
95th percentile per-packet one-way delay: 20.191 ms
Loss rate: 0.01%
```

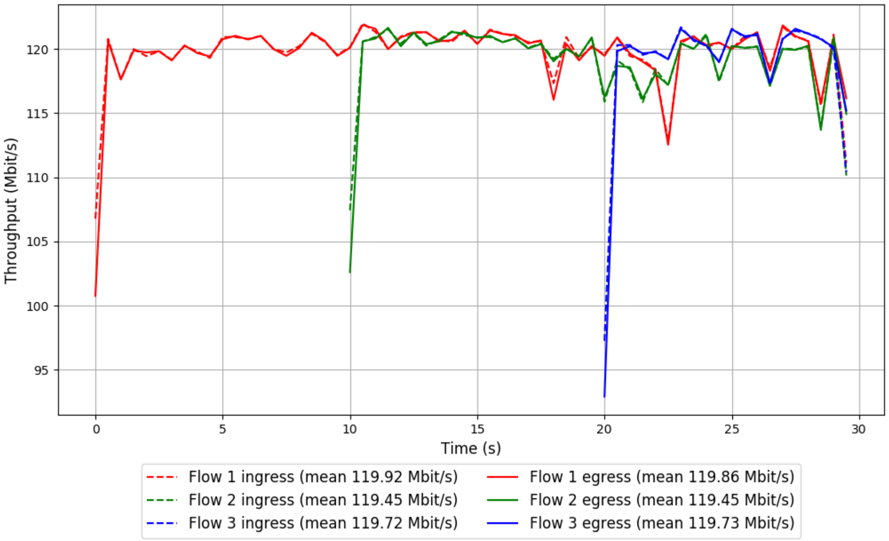
Run 3: Report of Saturator — Data Link

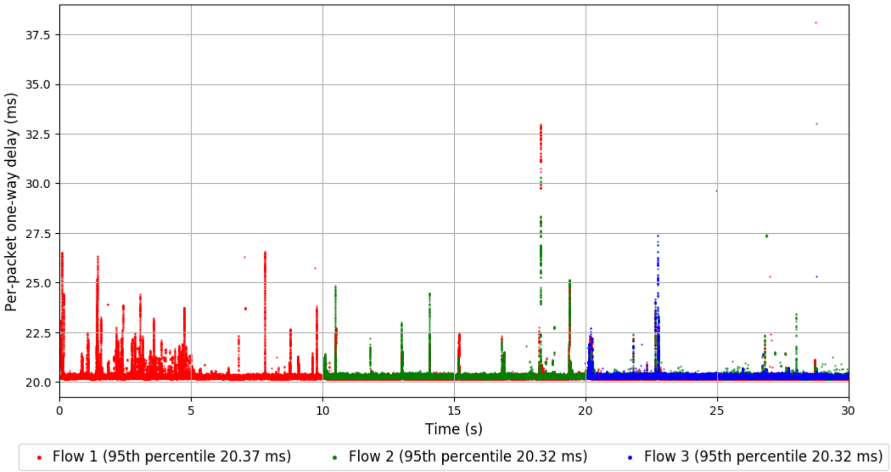




```
Run 4: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:03:58 +0000
End at: Sun, 09 Jul 2017 21:04:28 +0000
Local clock offset: -0.009 ms
Remote clock offset: -1.522 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:02:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 239.01 Mbit/s
95th percentile per-packet one-way delay: 20.342 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 119.86 Mbit/s
95th percentile per-packet one-way delay: 20.367 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 119.45 Mbit/s
95th percentile per-packet one-way delay: 20.325 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 119.73 Mbit/s
95th percentile per-packet one-way delay: 20.319 ms
Loss rate: 0.00%
```

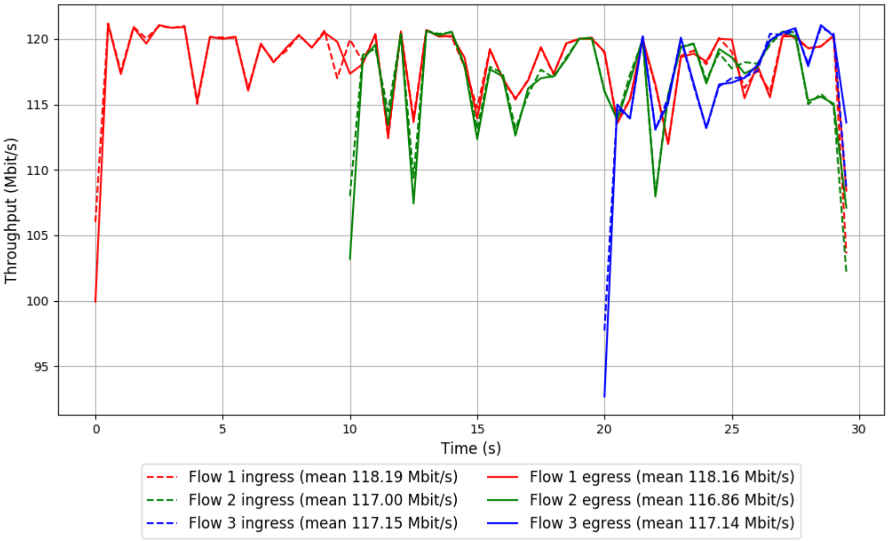
Run 4: Report of Saturator — Data Link

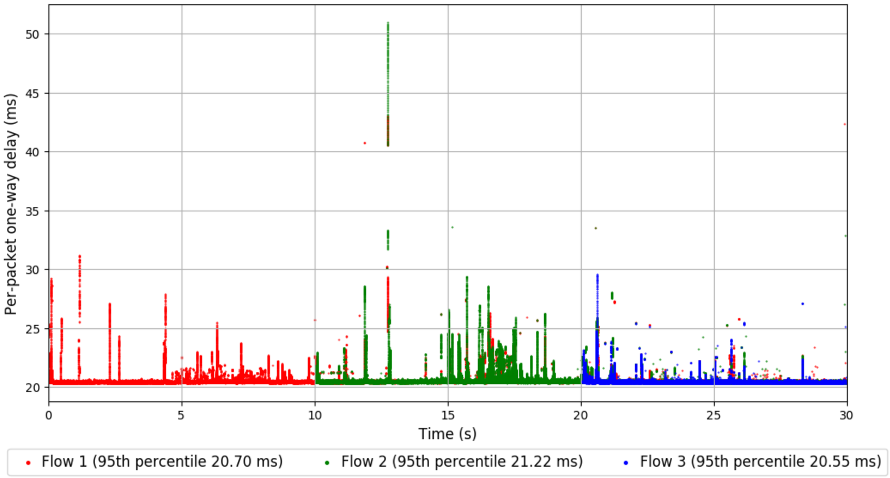




```
Run 5: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:24:55 +0000
End at: Sun, 09 Jul 2017 21:25:25 +0000
Local clock offset: 0.014 ms
Remote clock offset: -1.599 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:02:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.73 Mbit/s
95th percentile per-packet one-way delay: 20.777 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 118.16 Mbit/s
95th percentile per-packet one-way delay: 20.695 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 116.86 Mbit/s
95th percentile per-packet one-way delay: 21.219 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 117.14 Mbit/s
95th percentile per-packet one-way delay: 20.552 ms
Loss rate: 0.00%
```

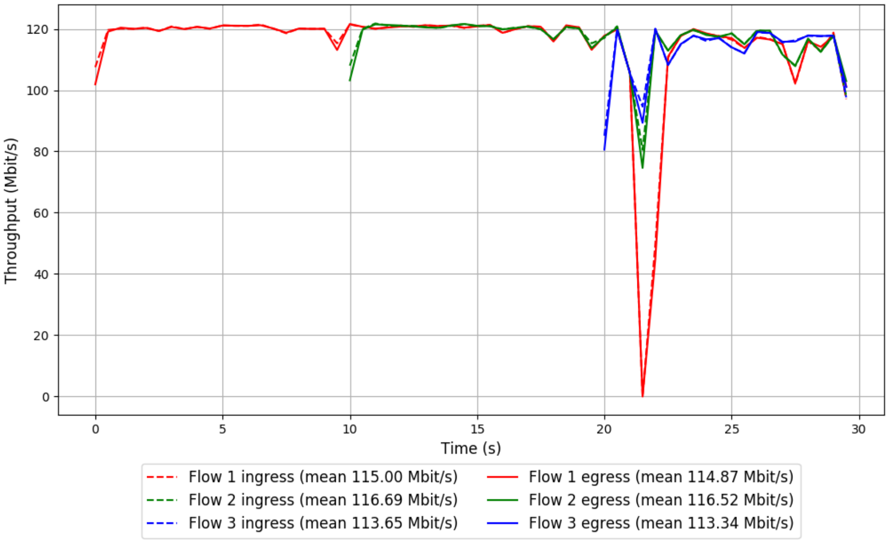
Run 5: Report of Saturator — Data Link

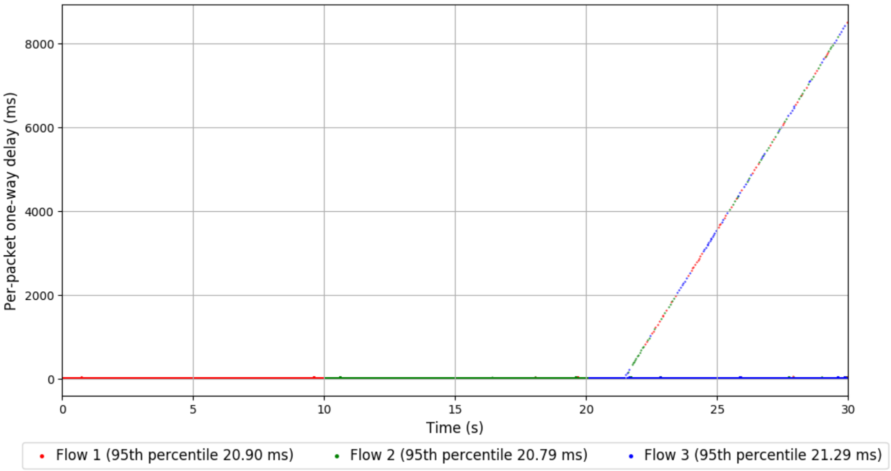




```
Run 6: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:45:37 +0000
End at: Sun, 09 Jul 2017 21:46:07 +0000
Local clock offset: -0.048 ms
Remote clock offset: -1.713 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:03:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 229.84 Mbit/s
95th percentile per-packet one-way delay: 20.915 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 114.87 Mbit/s
95th percentile per-packet one-way delay: 20.896 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 116.52 Mbit/s
95th percentile per-packet one-way delay: 20.790 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 113.34 Mbit/s
95th percentile per-packet one-way delay: 21.285 ms
Loss rate: 0.28%
```

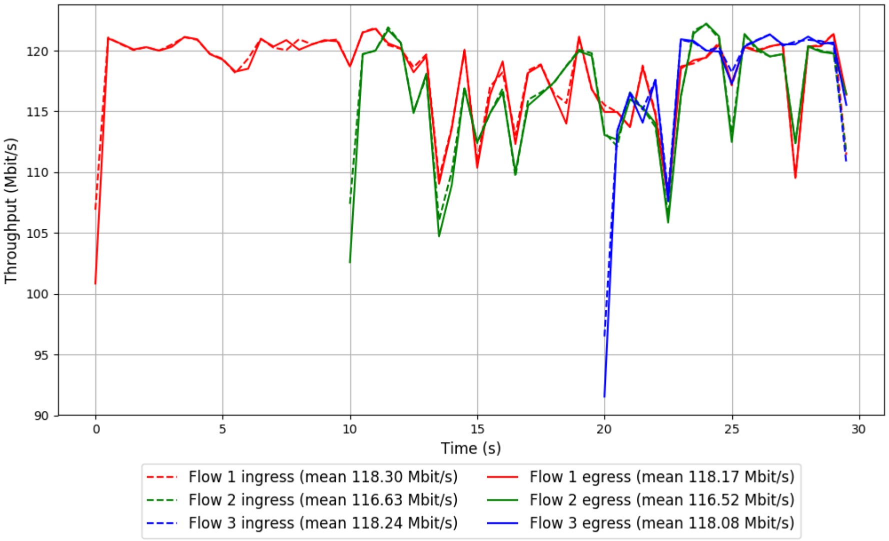
Run 6: Report of Saturator — Data Link

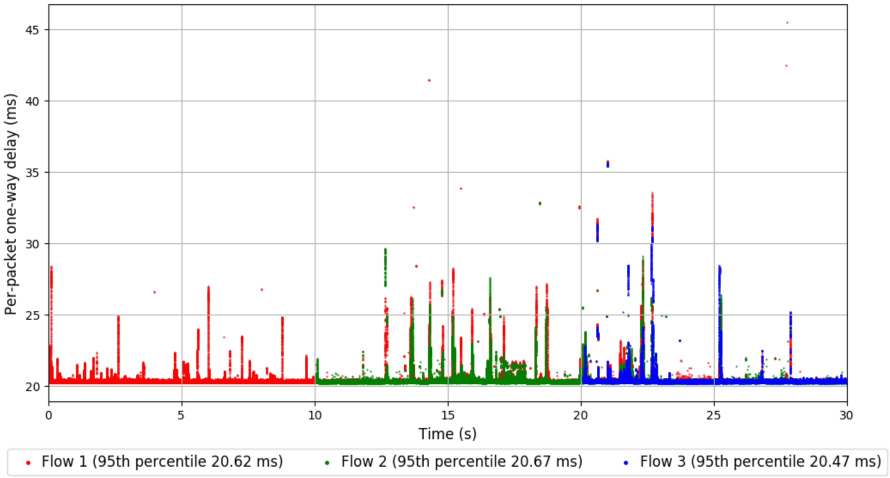




```
Run 7: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:06:24 +0000
End at: Sun, 09 Jul 2017 22:06:54 +0000
Local clock offset: 0.104 ms
Remote clock offset: -1.498 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:03:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.84 Mbit/s
95th percentile per-packet one-way delay: 20.610 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 118.17 Mbit/s
95th percentile per-packet one-way delay: 20.624 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 116.52 Mbit/s
95th percentile per-packet one-way delay: 20.668 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 118.08 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 0.13%
```

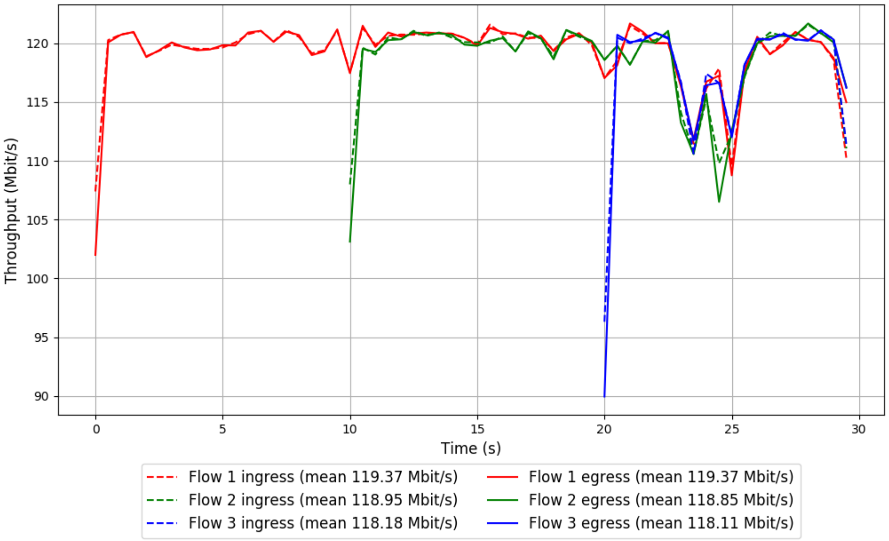
Run 7: Report of Saturator — Data Link

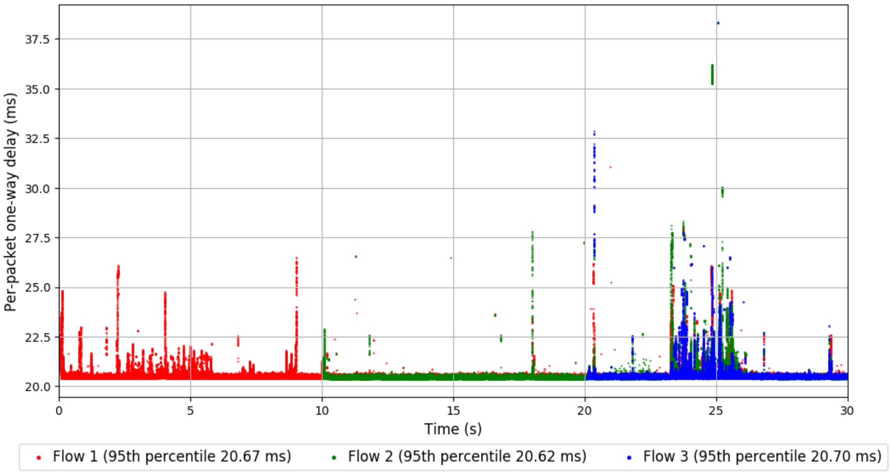




```
Run 8: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:26:57 +0000
End at: Sun, 09 Jul 2017 22:27:27 +0000
Local clock offset: 0.145 ms
Remote clock offset: -1.45 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:03:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.62 Mbit/s
95th percentile per-packet one-way delay: 20.662 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 119.37 Mbit/s
95th percentile per-packet one-way delay: 20.671 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 118.85 Mbit/s
95th percentile per-packet one-way delay: 20.622 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 118.11 Mbit/s
95th percentile per-packet one-way delay: 20.704 ms
Loss rate: 0.06%
```

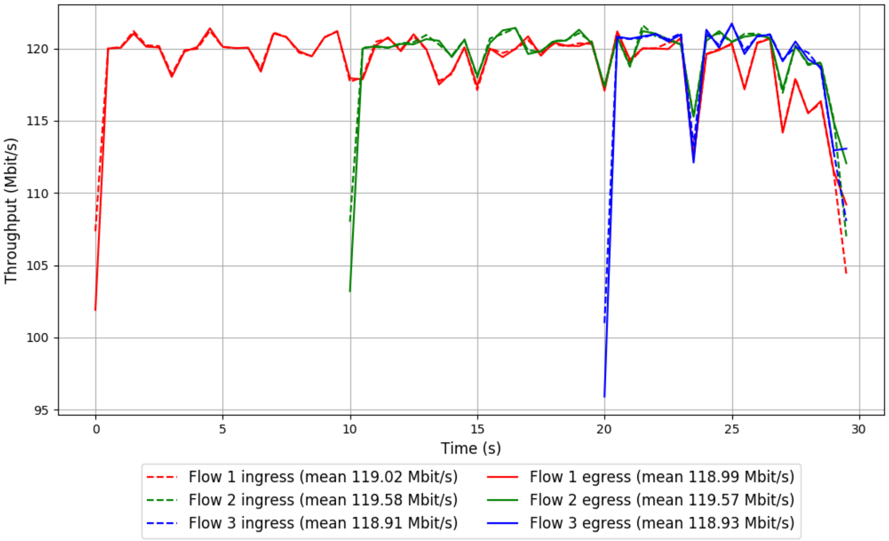
Run 8: Report of Saturator — Data Link

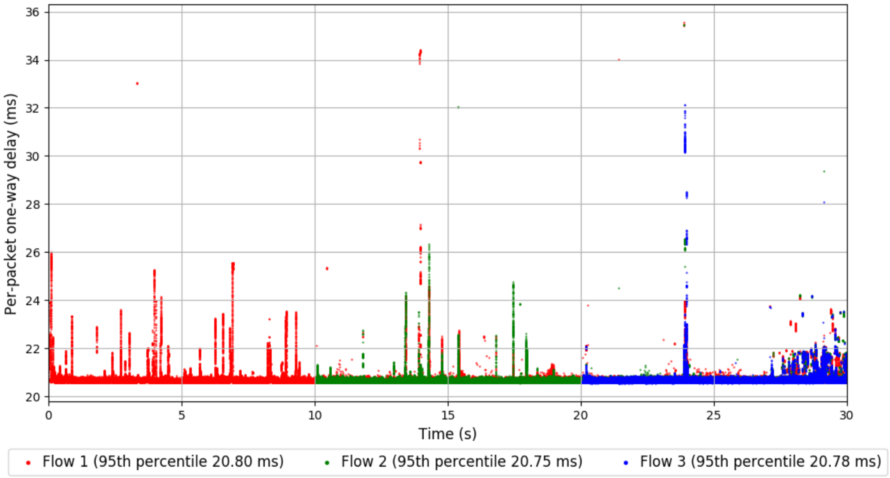




```
Run 9: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:47:32 +0000
End at: Sun, 09 Jul 2017 22:48:02 +0000
Local clock offset: 0.34 ms
Remote clock offset: -1.517 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:03:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 238.02 Mbit/s
95th percentile per-packet one-way delay: 20.782 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 118.99 Mbit/s
95th percentile per-packet one-way delay: 20.805 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 119.57 Mbit/s
95th percentile per-packet one-way delay: 20.749 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 118.93 Mbit/s
95th percentile per-packet one-way delay: 20.784 ms
Loss rate: 0.06%
```

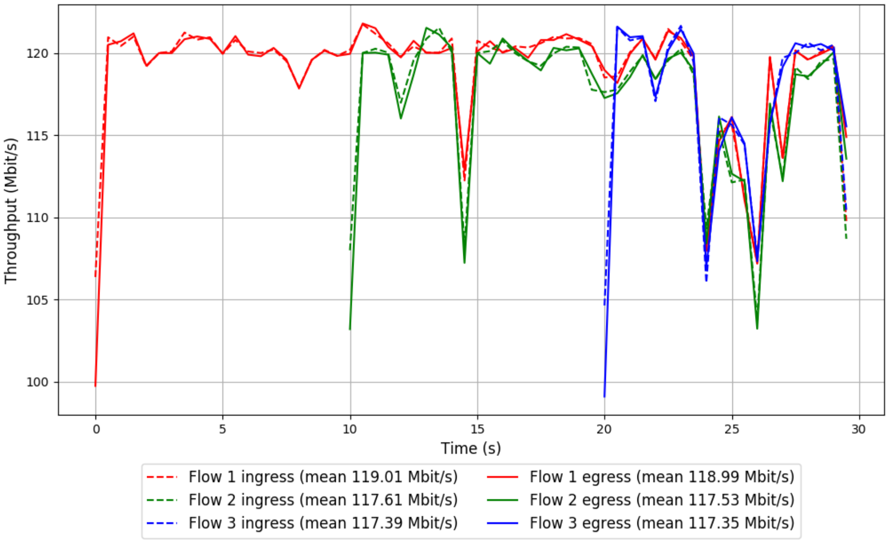
Run 9: Report of Saturator — Data Link

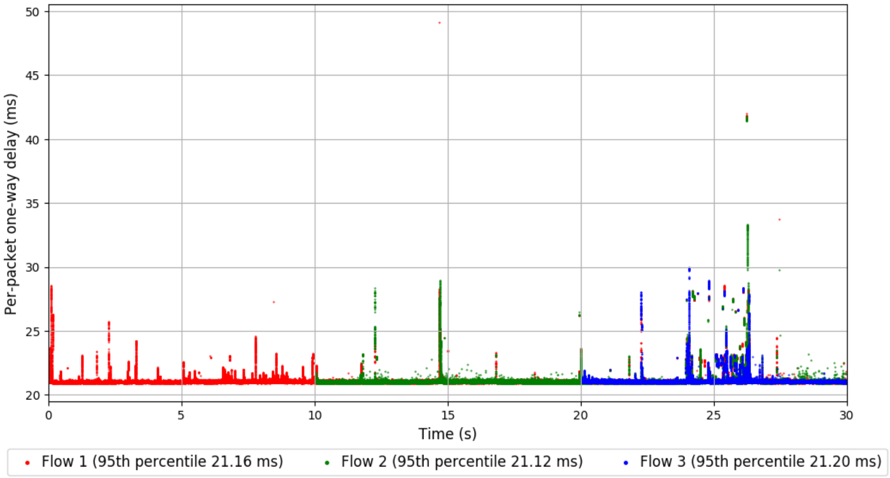




```
Run 10: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:08:24 +0000
End at: Sun, 09 Jul 2017 23:08:54 +0000
Local clock offset: 0.546 ms
Remote clock offset: -1.65 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 236.18 Mbit/s
95th percentile per-packet one-way delay: 21.151 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 118.99 Mbit/s
95th percentile per-packet one-way delay: 21.158 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 117.53 Mbit/s
95th percentile per-packet one-way delay: 21.125 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 117.35 Mbit/s
95th percentile per-packet one-way delay: 21.201 ms
Loss rate: 0.03%
```

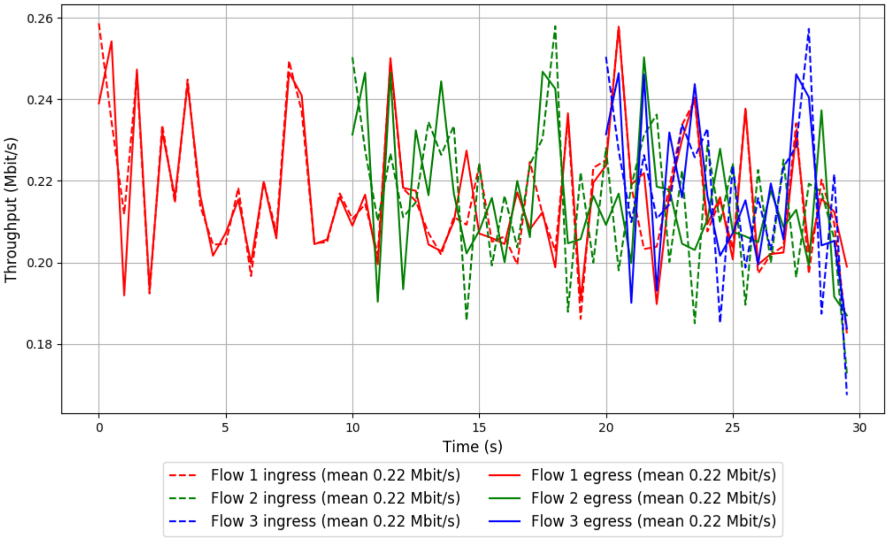
Run 10: Report of Saturator — Data Link

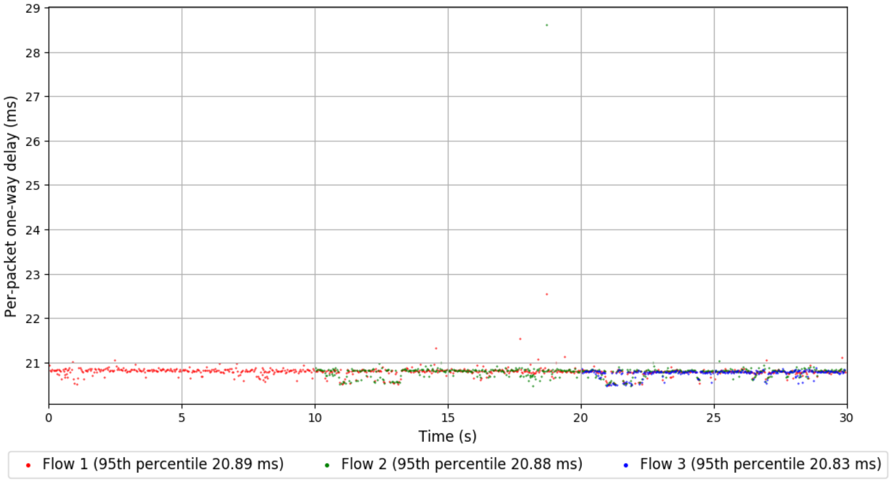




```
Run 1: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 19:58:15 +0000
End at: Sun, 09 Jul 2017 19:58:45 +0000
Local clock offset: 0.316 ms
Remote clock offset: -1.42 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.885 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.831 ms
Loss rate: 0.00%
```

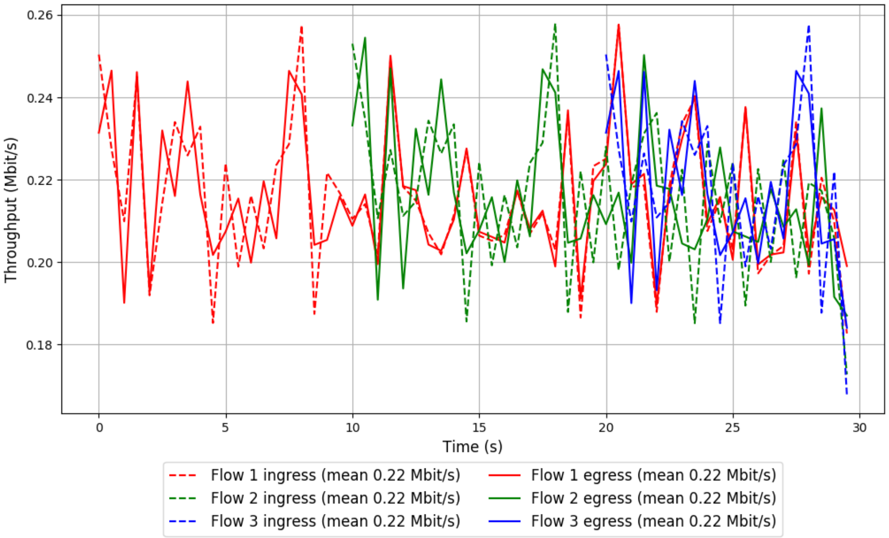
Run 1: Report of SCReAM — Data Link

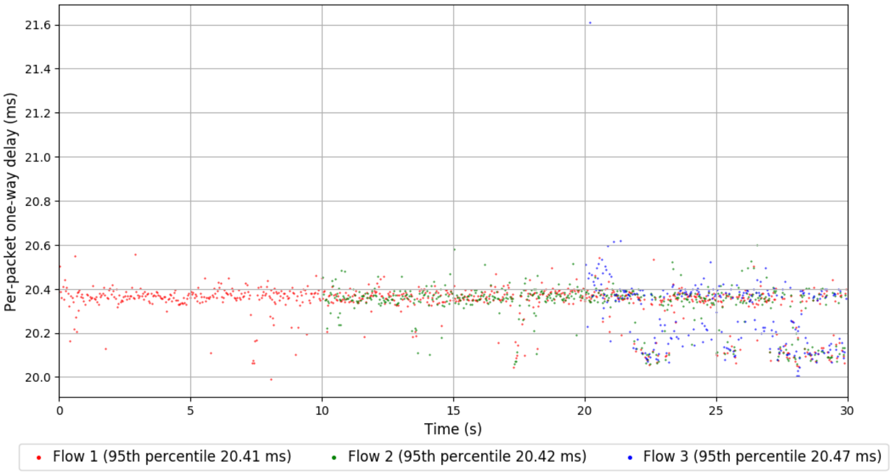




```
Run 2: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:19:19 +0000
End at: Sun, 09 Jul 2017 20:19:49 +0000
Local clock offset: 0.222 ms
Remote clock offset: -1.123 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 0.00%
```

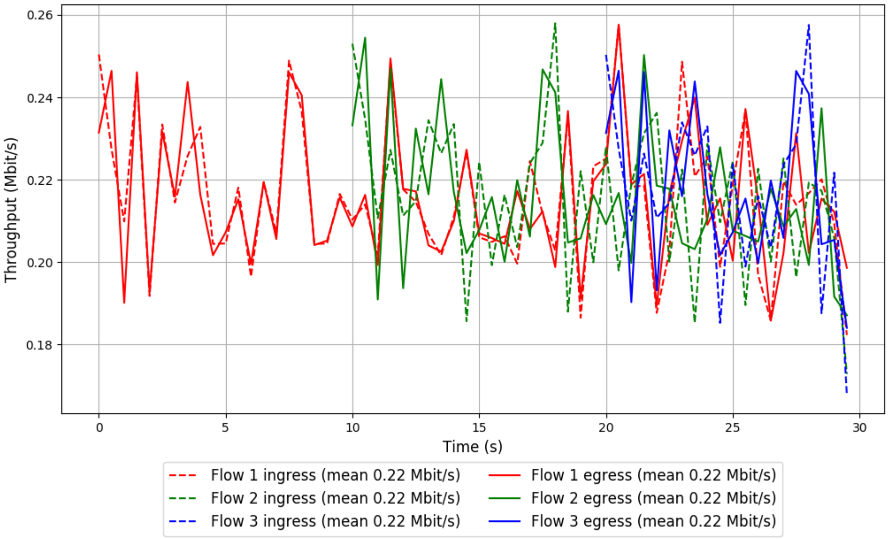
Run 2: Report of SCReAM — Data Link

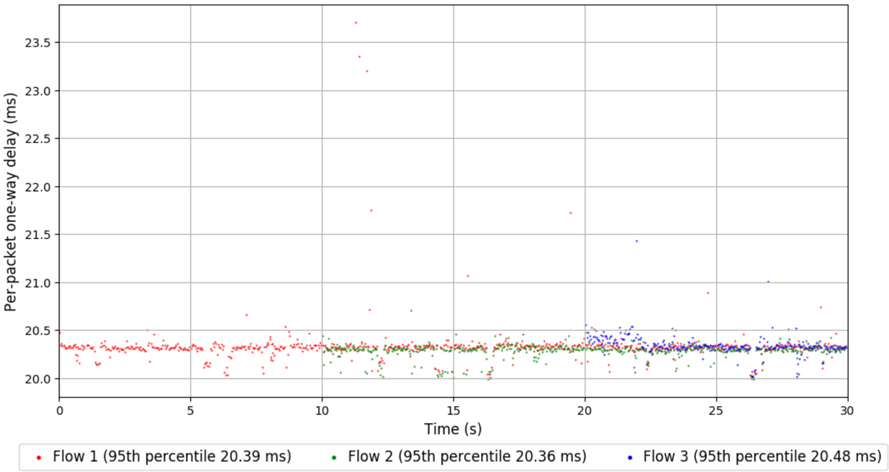




```
Run 3: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:40:20 +0000
End at: Sun, 09 Jul 2017 20:40:50 +0000
Local clock offset: 0.072 ms
Remote clock offset: -1.042 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.476 ms
Loss rate: 0.00%
```

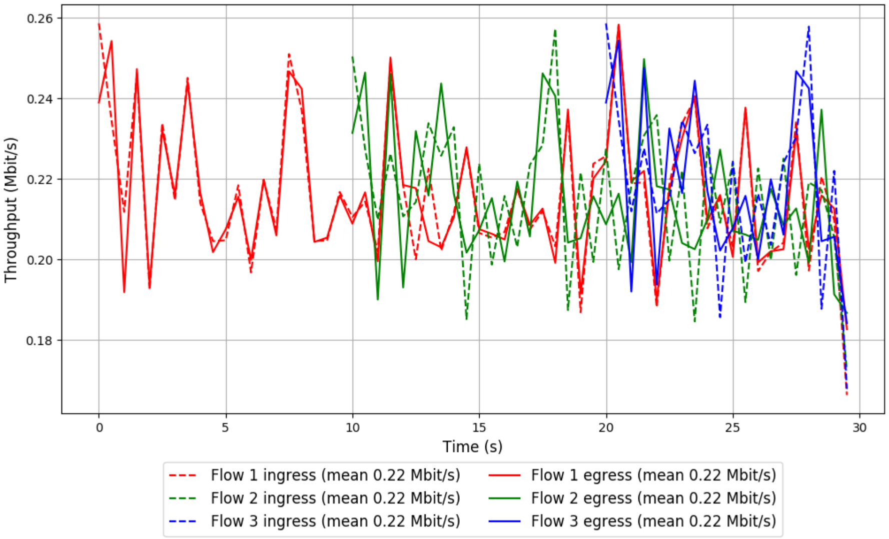
Run 3: Report of SCReAM — Data Link

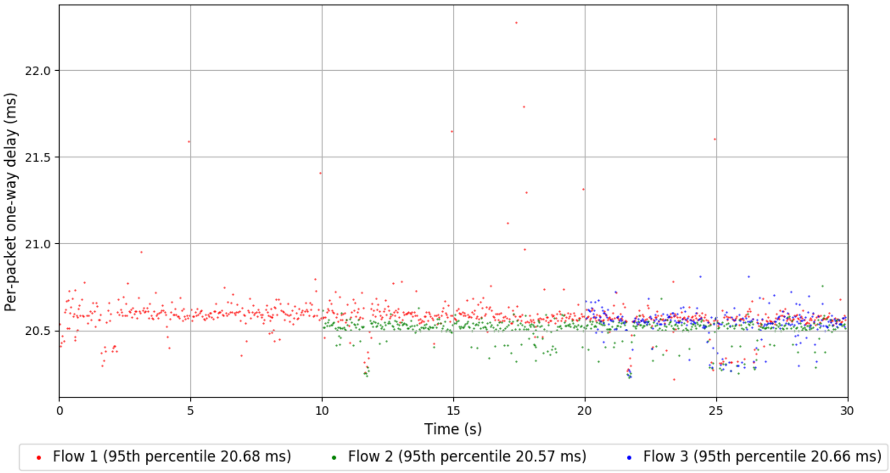




```
Run 4: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 21:01:25 +0000
End at: Sun, 09 Jul 2017 21:01:55 +0000
Local clock offset: 0.074 ms
Remote clock offset: -1.498 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.683 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.657 ms
Loss rate: 0.00%
```

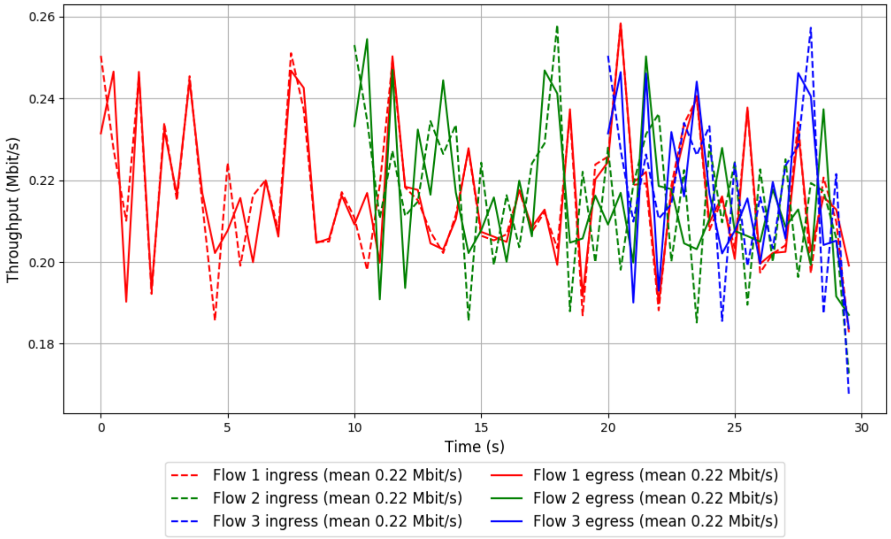
Run 4: Report of SCReAM — Data Link

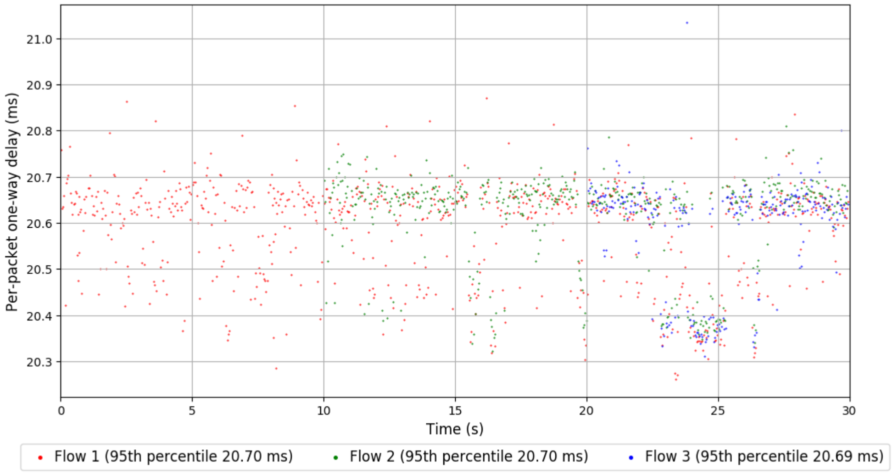




```
Run 5: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 21:22:20 +0000
End at: Sun, 09 Jul 2017 21:22:50 +0000
Local clock offset: -0.03 ms
Remote clock offset: -1.557 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.686 ms
Loss rate: 0.00%
```

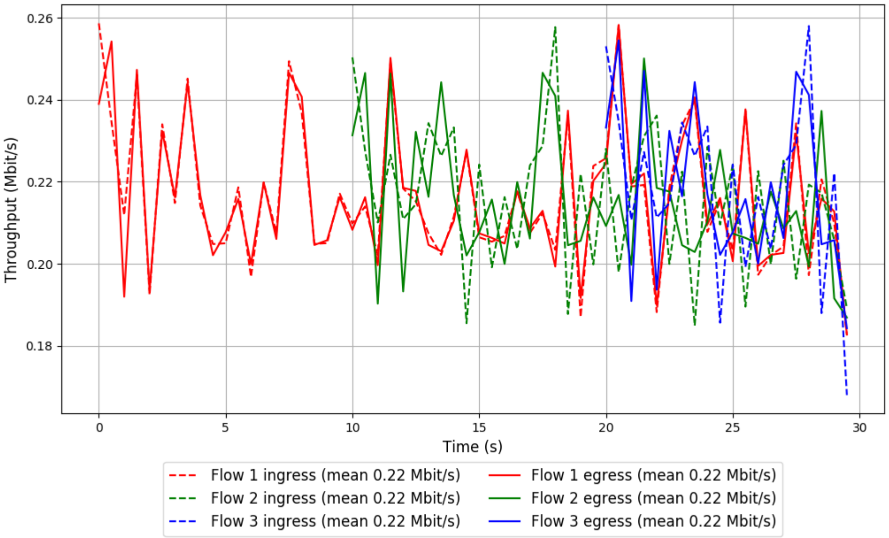
Run 5: Report of SCReAM — Data Link

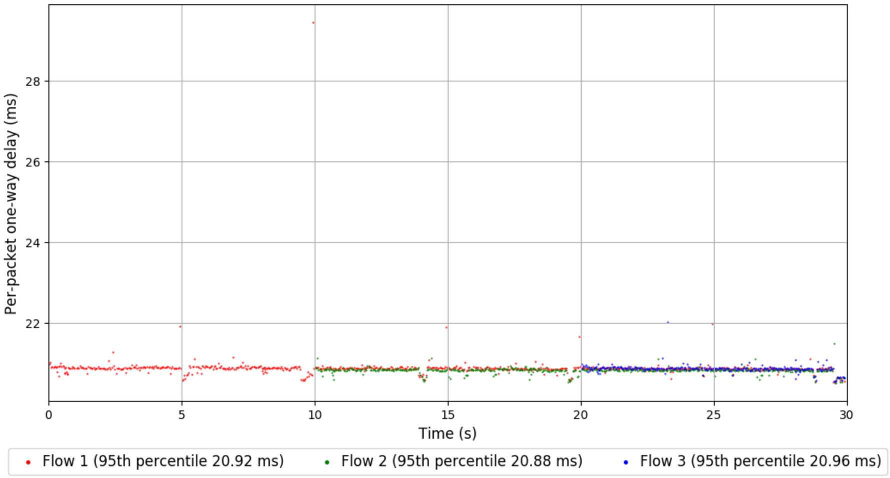




```
Run 6: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 21:43:07 +0000
End at: Sun, 09 Jul 2017 21:43:37 +0000
Local clock offset: -0.034 ms
Remote clock offset: -1.839 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.917 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.923 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.878 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.959 ms
Loss rate: 0.00%
```

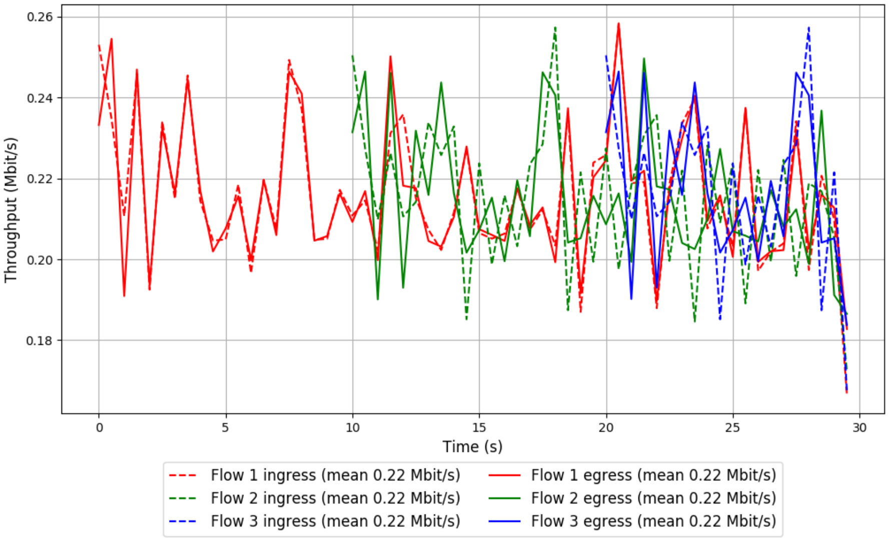
Run 6: Report of SCReAM — Data Link

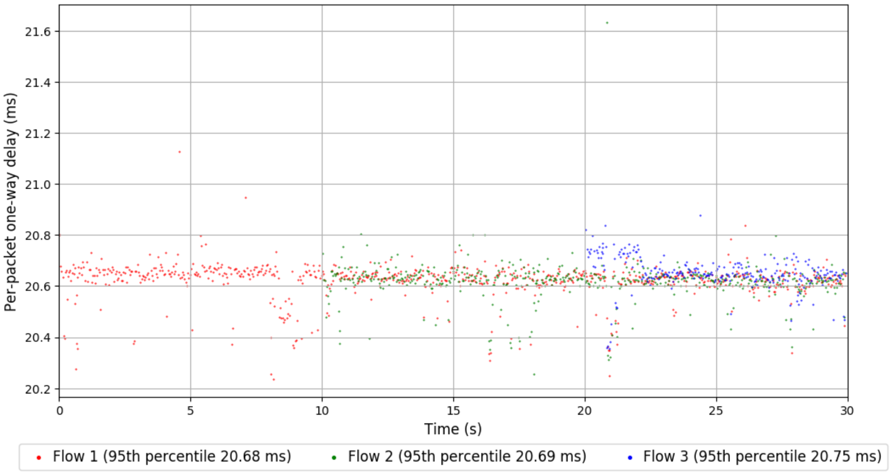




```
Run 7: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:03:55 +0000
End at: Sun, 09 Jul 2017 22:04:25 +0000
Local clock offset: 0.032 ms
Remote clock offset: -1.534 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.690 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.746 ms
Loss rate: 0.00%
```

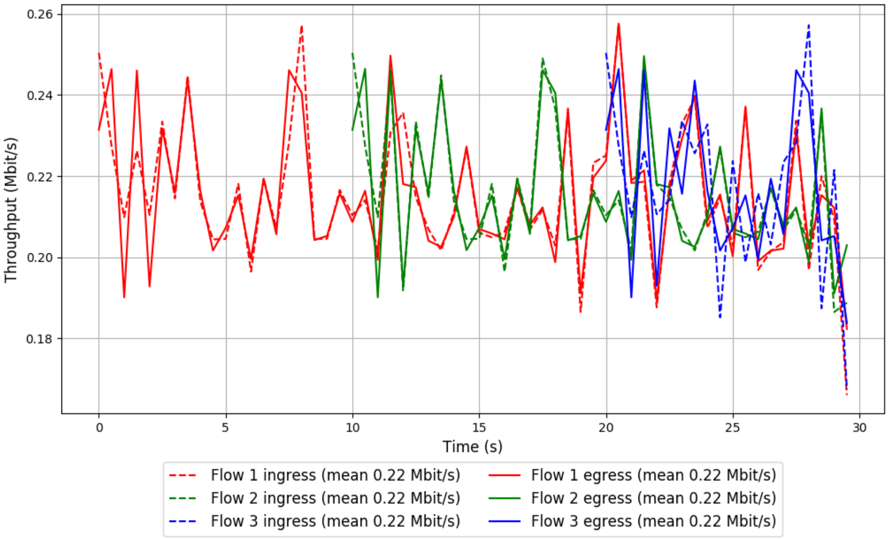
Run 7: Report of SCReAM — Data Link

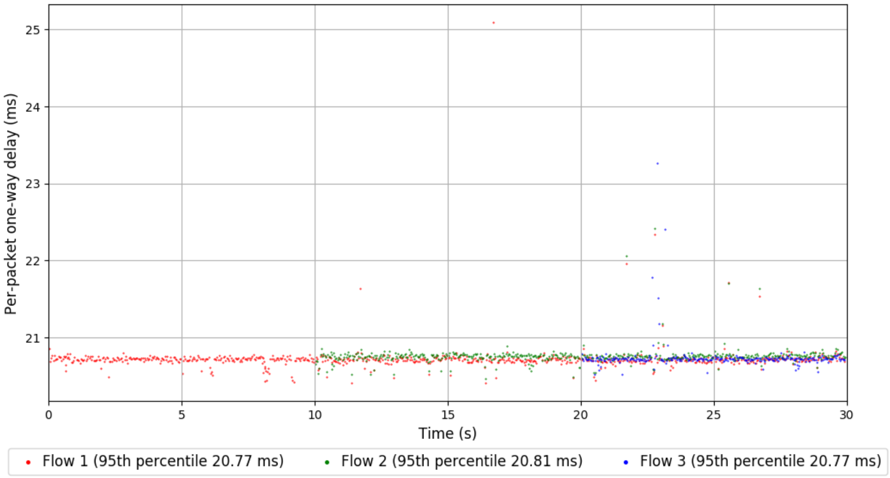




```
Run 8: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:24:25 +0000
End at: Sun, 09 Jul 2017 22:24:55 +0000
Local clock offset: 0.135 ms
Remote clock offset: -1.44 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.770 ms
Loss rate: 0.00%
```

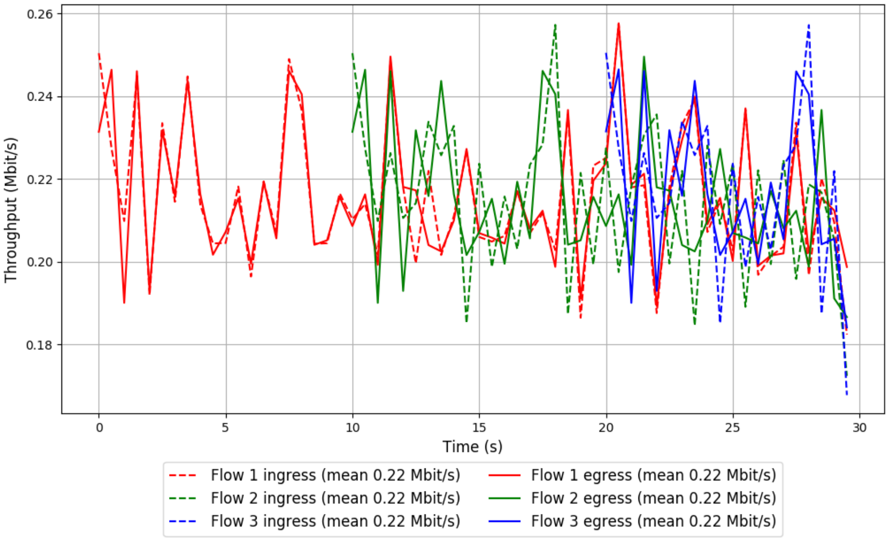
Run 8: Report of SCReAM — Data Link

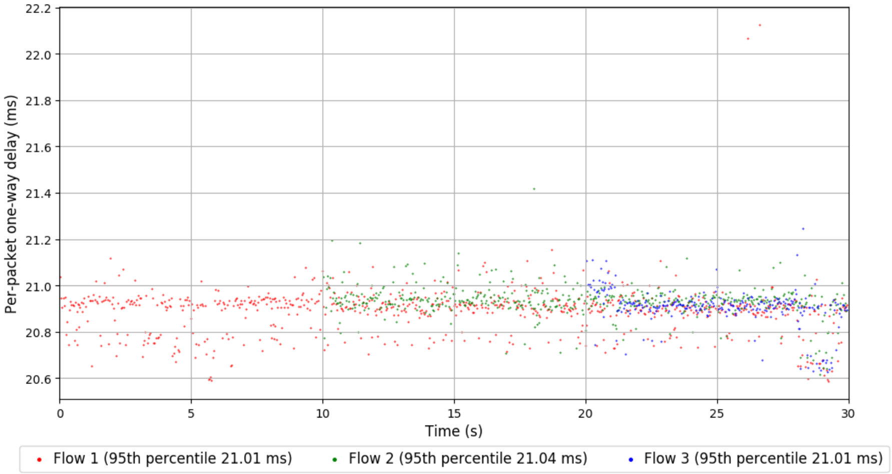




```
Run 9: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:45:03 +0000
End at: Sun, 09 Jul 2017 22:45:33 +0000
Local clock offset: 0.391 ms
Remote clock offset: -1.537 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 21.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.007 ms
Loss rate: 0.00%
```

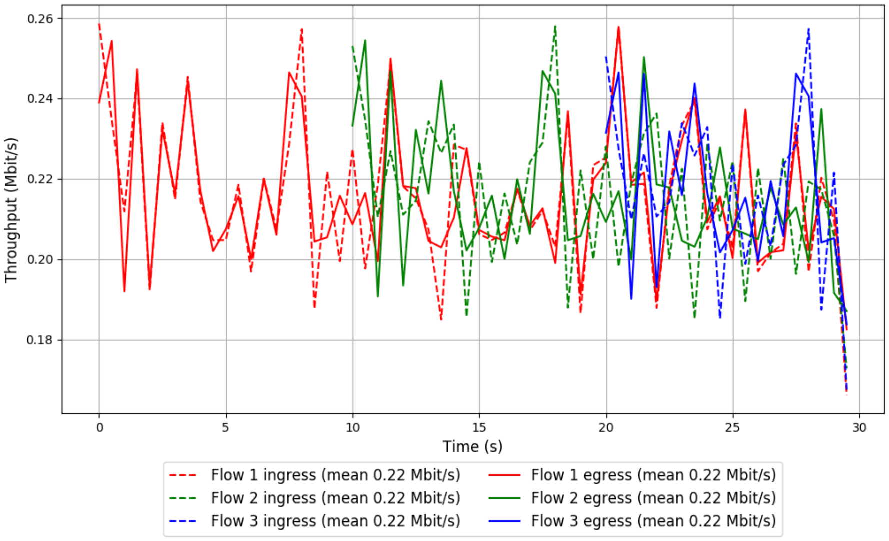
Run 9: Report of SCReAM — Data Link

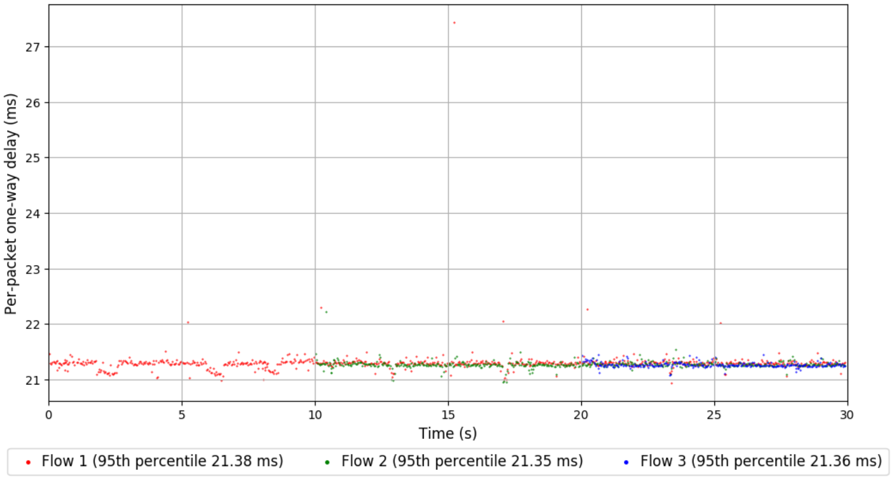




```
Run 10: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 23:05:52 +0000
End at: Sun, 09 Jul 2017 23:06:22 +0000
Local clock offset: 0.455 ms
Remote clock offset: -1.734 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 21.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.375 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.358 ms
Loss rate: 0.00%
```

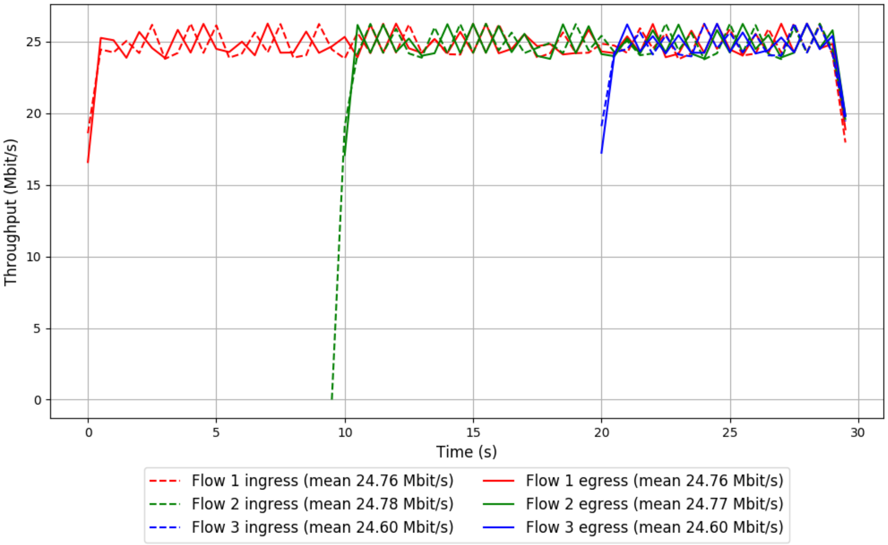
Run 10: Report of SCReAM — Data Link

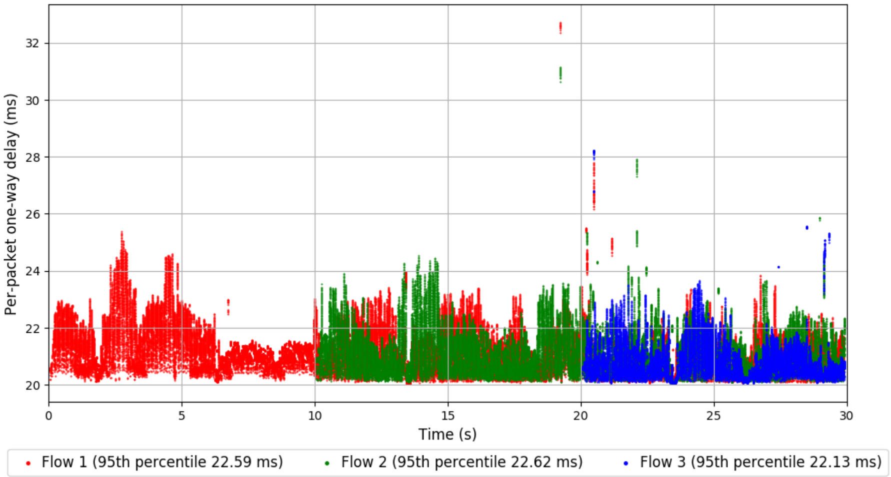




```
Run 1: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:14:58 +0000
End at: Sun, 09 Jul 2017 20:15:28 +0000
Local clock offset: 0.145 ms
Remote clock offset: -1.152 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 22.551 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 22.625 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 22.133 ms
Loss rate: 0.00%
```

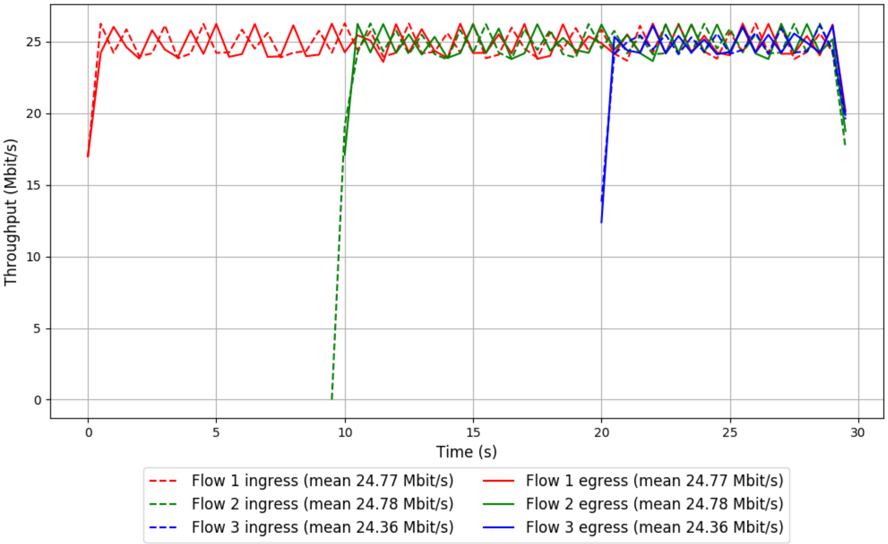
Run 1: Report of Sprout — Data Link

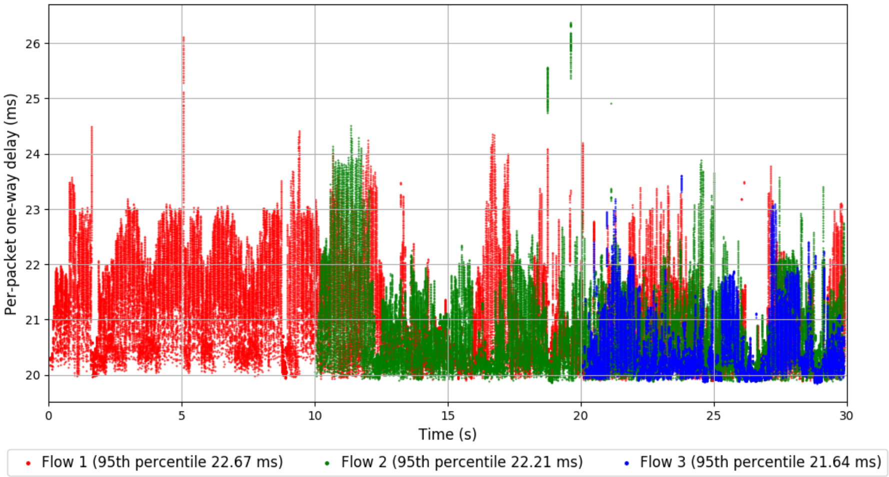




```
Run 2: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:36:02 +0000
End at: Sun, 09 Jul 2017 20:36:32 +0000
Local clock offset: 0.095 ms
Remote clock offset: -1.055 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 22.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 22.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 22.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 21.638 ms
Loss rate: 0.00%
```

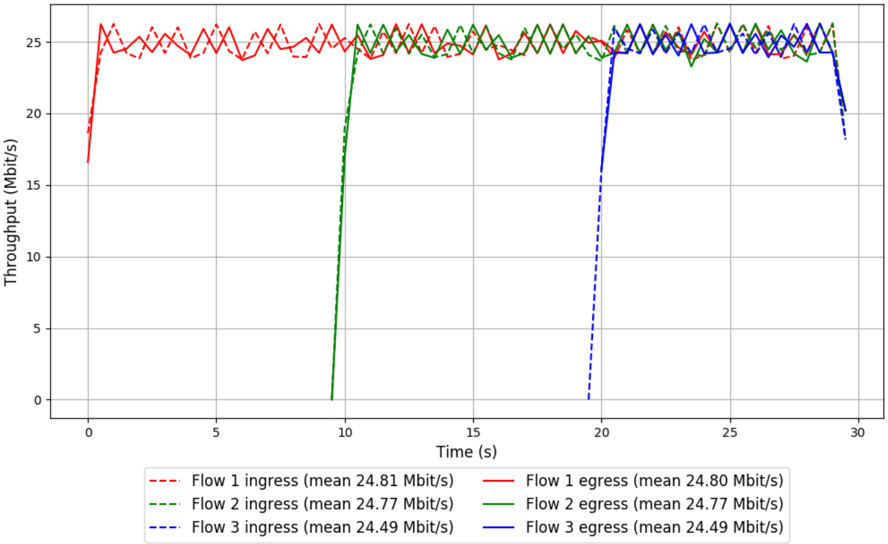
Run 2: Report of Sprout — Data Link

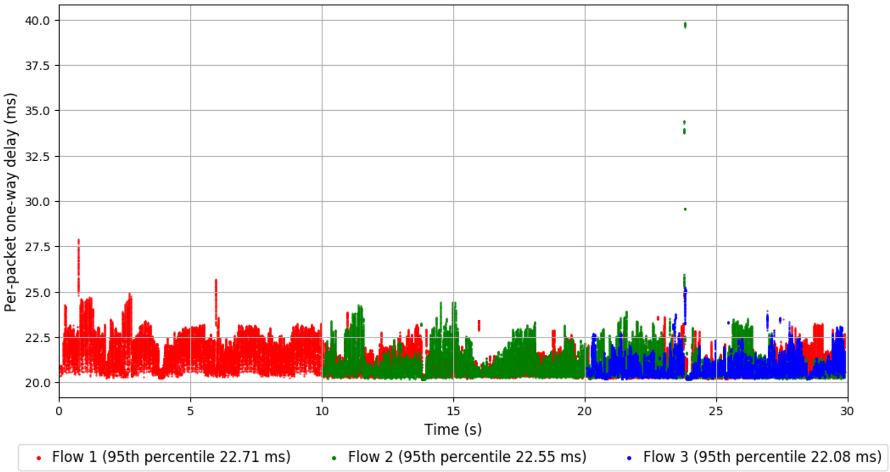




```
Run 3: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:57:07 +0000
End at: Sun, 09 Jul 2017 20:57:37 +0000
Local clock offset: 0.081 ms
Remote clock offset: -1.394 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 22.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 22.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 22.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 22.083 ms
Loss rate: 0.00%
```

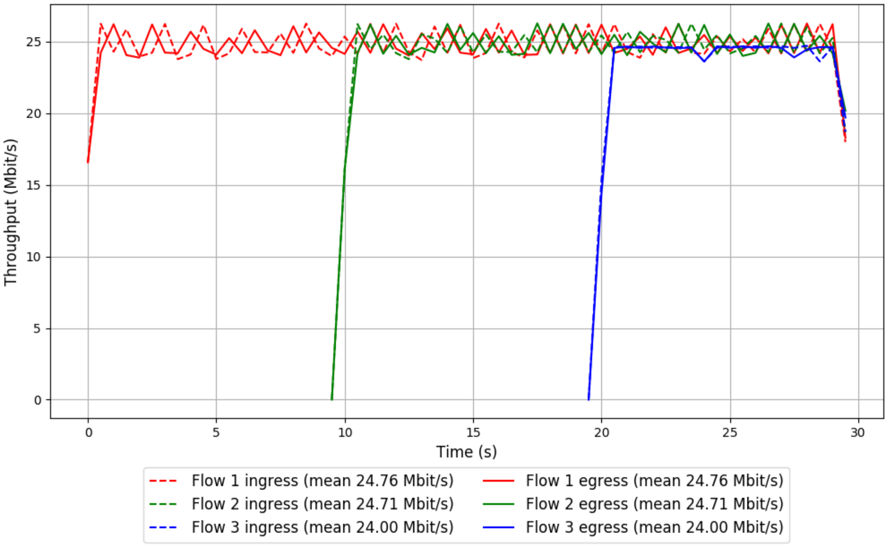
Run 3: Report of Sprout — Data Link

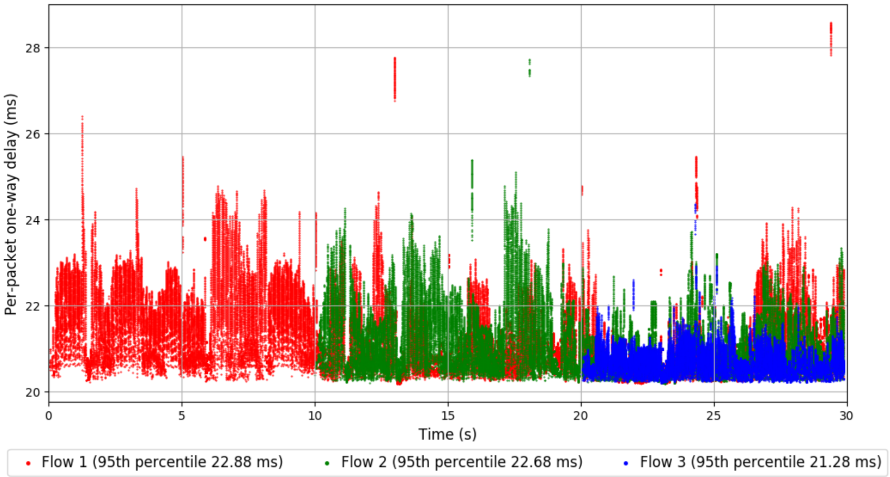




```
Run 4: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:17:58 +0000
End at: Sun, 09 Jul 2017 21:18:28 +0000
Local clock offset: -0.013 ms
Remote clock offset: -1.571 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 22.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 21.276 ms
Loss rate: 0.00%
```

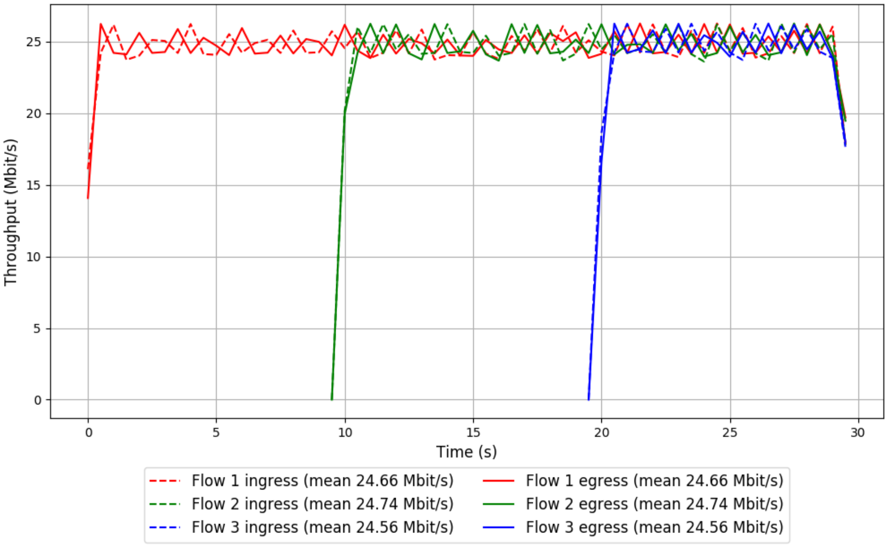
Run 4: Report of Sprout — Data Link

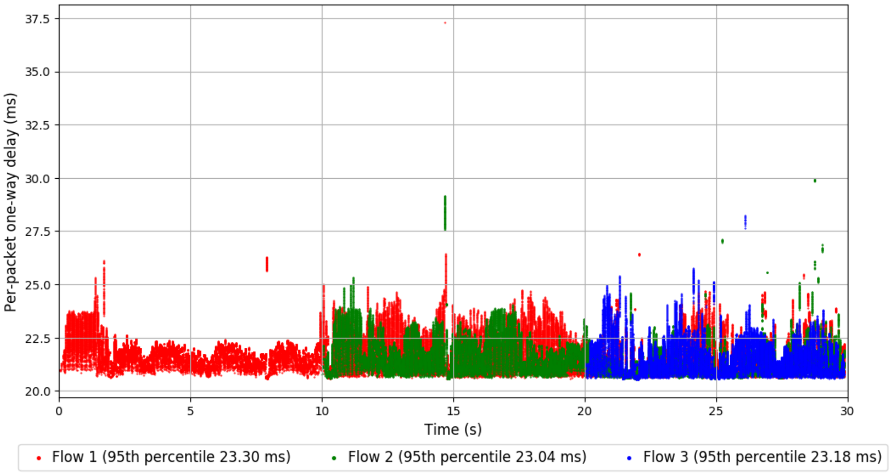




```
Run 5: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:38:49 +0000
End at: Sun, 09 Jul 2017 21:39:19 +0000
Local clock offset: 0.067 ms
Remote clock offset: -1.917 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 23.205 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 23.297 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 23.040 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 23.183 ms
Loss rate: 0.00%
```

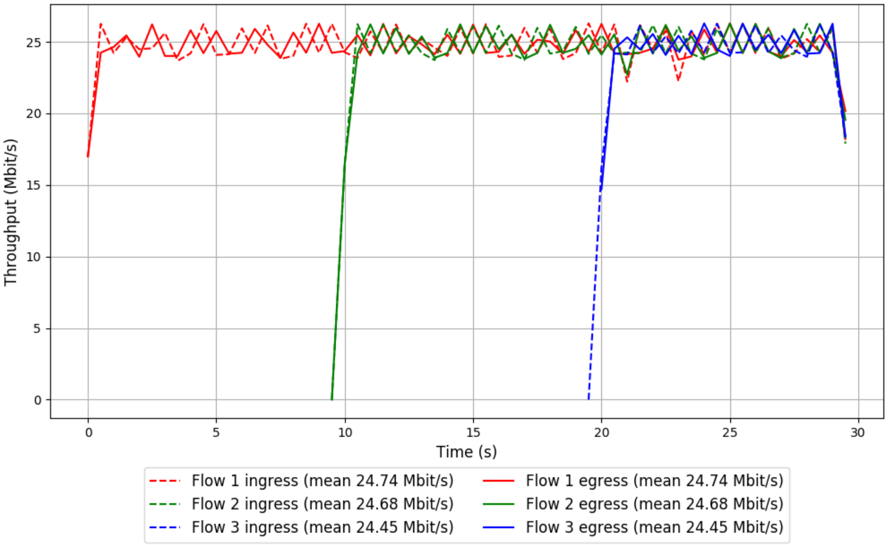
Run 5: Report of Sprout — Data Link

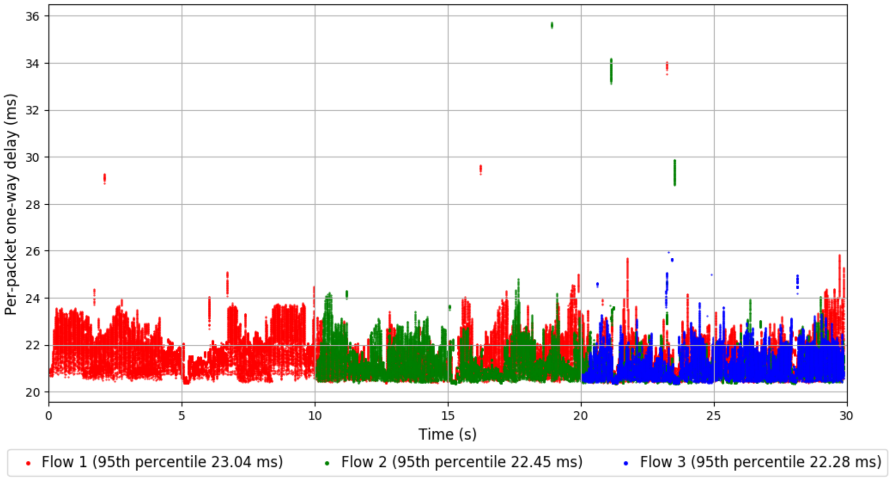




```
Run 6: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:59:36 +0000
End at: Sun, 09 Jul 2017 22:00:06 +0000
Local clock offset: 0.003 ms
Remote clock offset: -1.637 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 22.802 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 23.039 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 22.284 ms
Loss rate: 0.00%
```

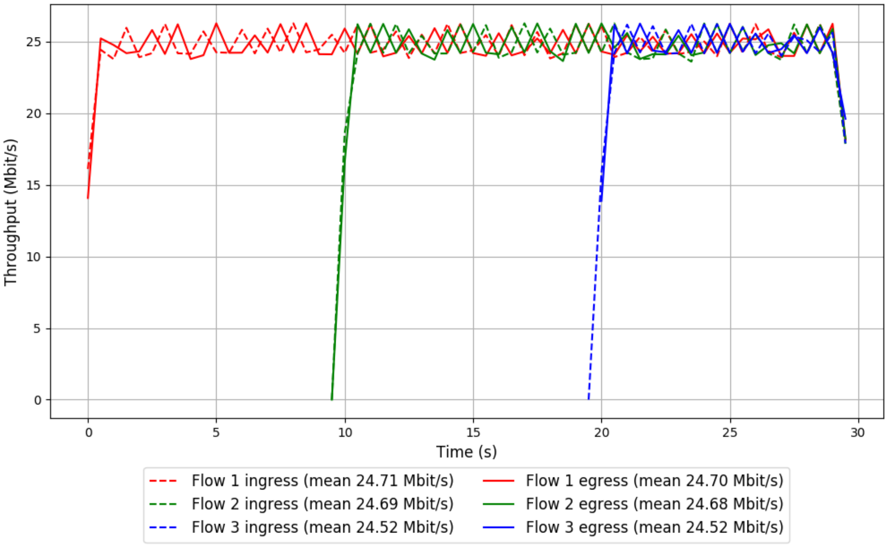
Run 6: Report of Sprout — Data Link

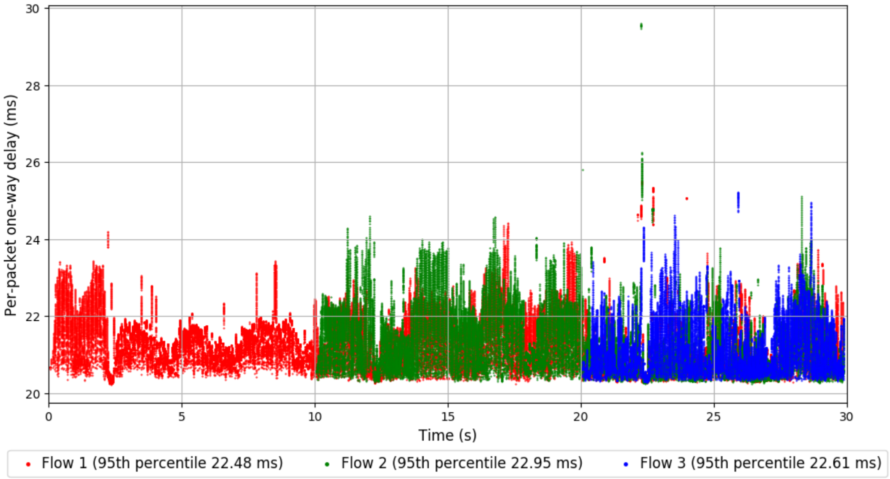




```
Run 7: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:20:09 +0000
End at: Sun, 09 Jul 2017 22:20:39 +0000
Local clock offset: 0.075 ms
Remote clock offset: -1.453 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 22.661 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.479 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.948 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 22.613 ms
Loss rate: 0.00%
```

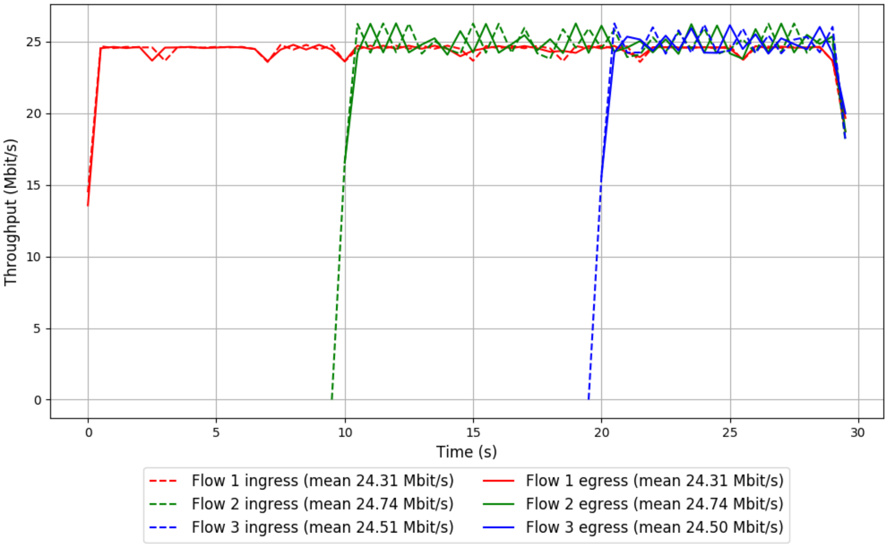
Run 7: Report of Sprout — Data Link

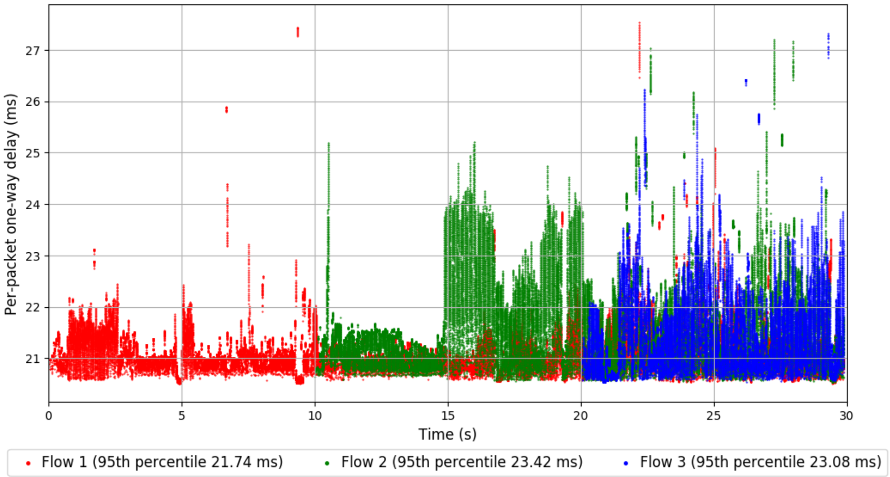




```
Run 8: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:40:52 +0000
End at: Sun, 09 Jul 2017 22:41:22 +0000
Local clock offset: 0.341 ms
Remote clock offset: -1.56 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:44 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 22.840 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 21.737 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 23.423 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 23.076 ms
Loss rate: 0.00%
```

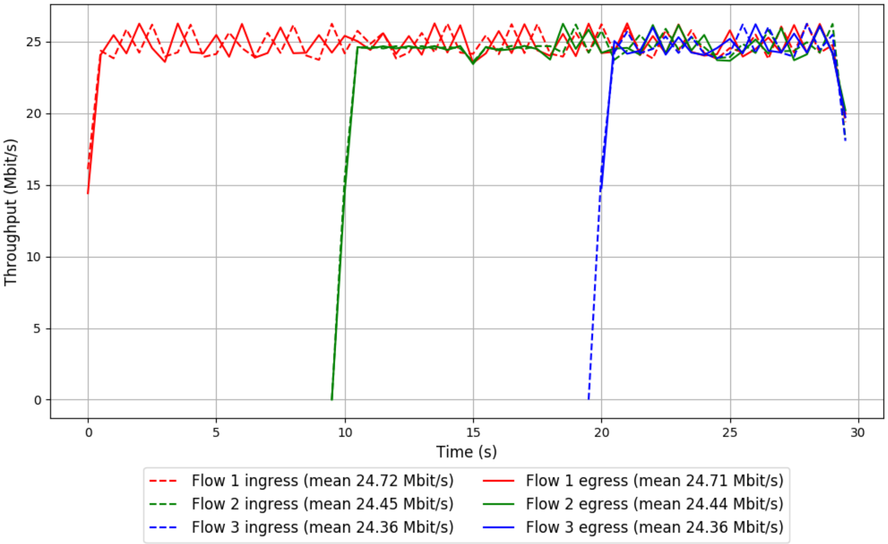
Run 8: Report of Sprout — Data Link

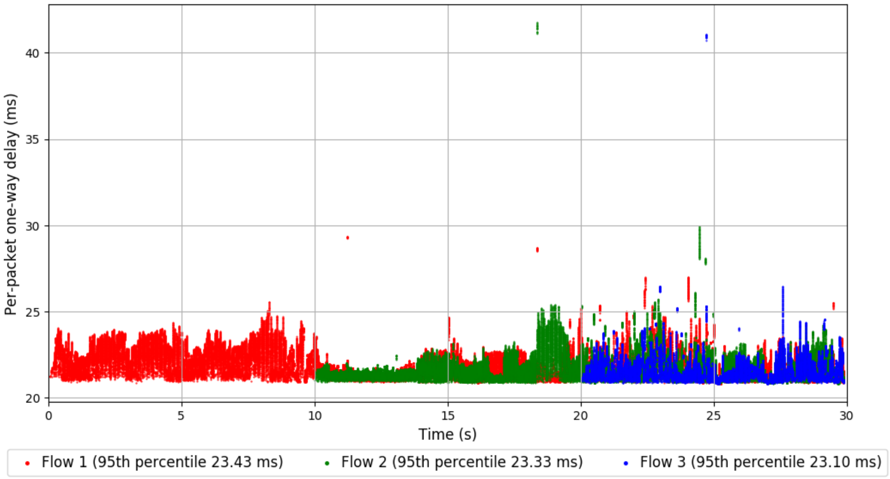




```
Run 9: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:01:32 +0000
End at: Sun, 09 Jul 2017 23:02:02 +0000
Local clock offset: 0.426 ms
Remote clock offset: -1.6 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 23.368 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 23.426 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 23.329 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 23.101 ms
Loss rate: 0.00%
```

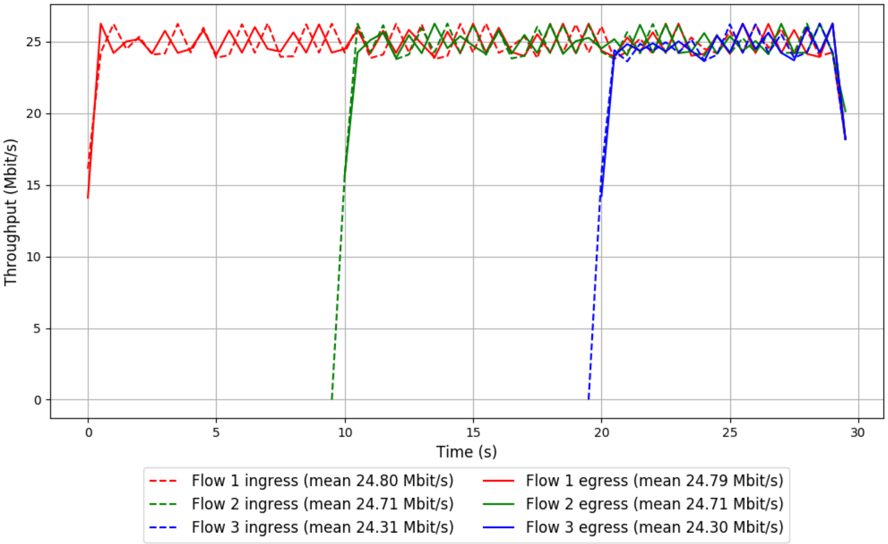
Run 9: Report of Sprout — Data Link

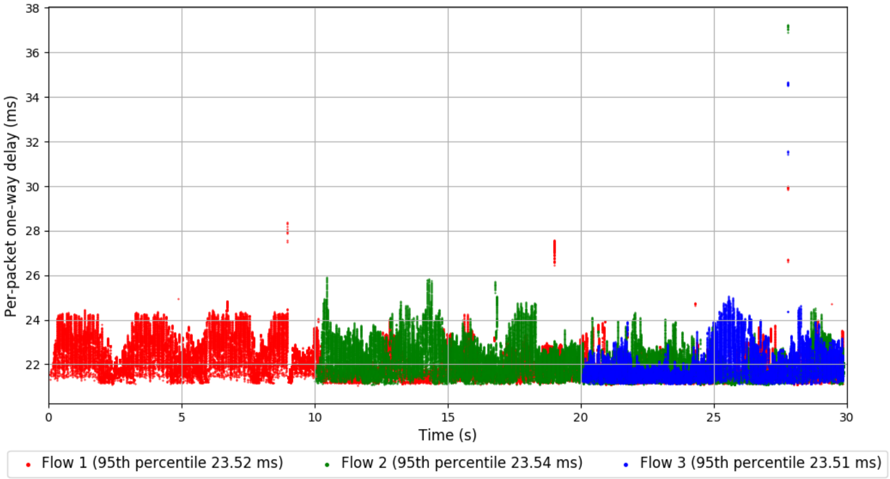




```
Run 10: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:22:16 +0000
End at: Sun, 09 Jul 2017 23:22:46 +0000
Local clock offset: 0.682 ms
Remote clock offset: -1.767 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:04:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 23.526 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 23.524 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 23.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 23.507 ms
Loss rate: 0.00%
```

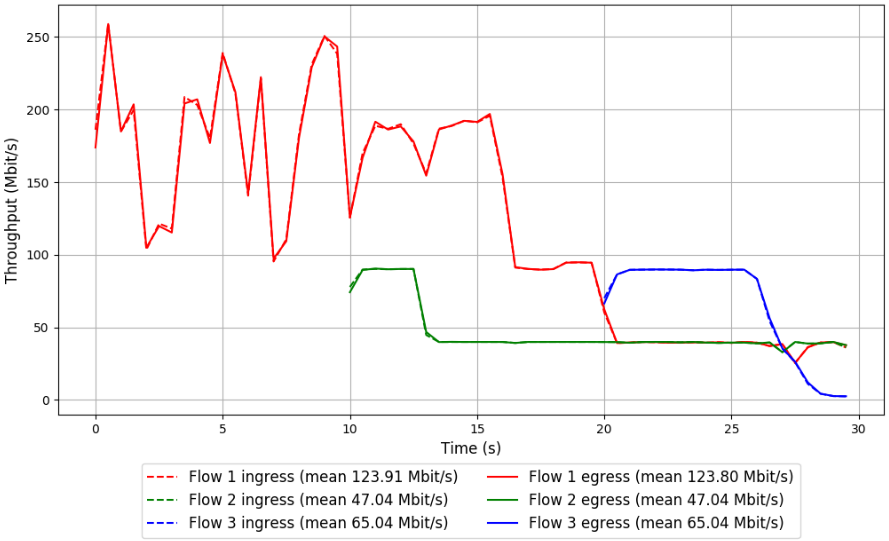
Run 10: Report of Sprout — Data Link

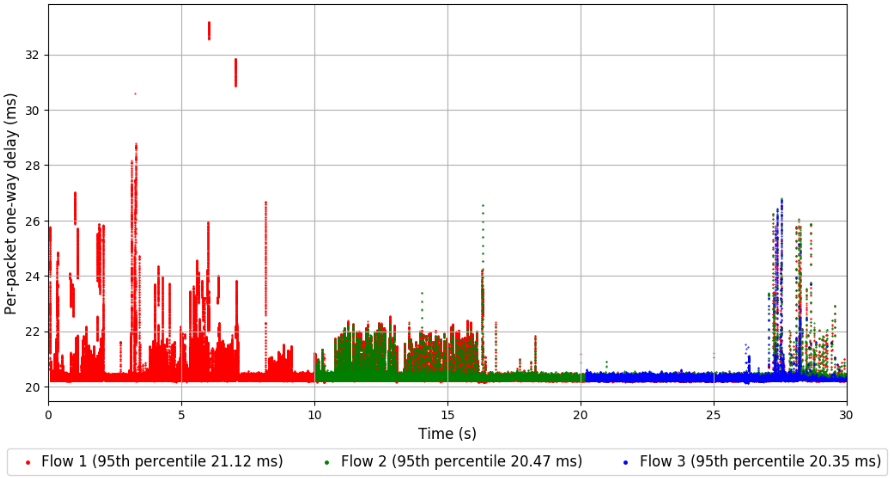




```
Run 1: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:07:56 +0000
End at: Sun, 09 Jul 2017 20:08:26 +0000
Local clock offset: 0.176 ms
Remote clock offset: -1.352 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:05:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 176.35 Mbit/s
95th percentile per-packet one-way delay: 20.915 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 123.80 Mbit/s
95th percentile per-packet one-way delay: 21.123 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 20.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 20.353 ms
Loss rate: 0.00%
```

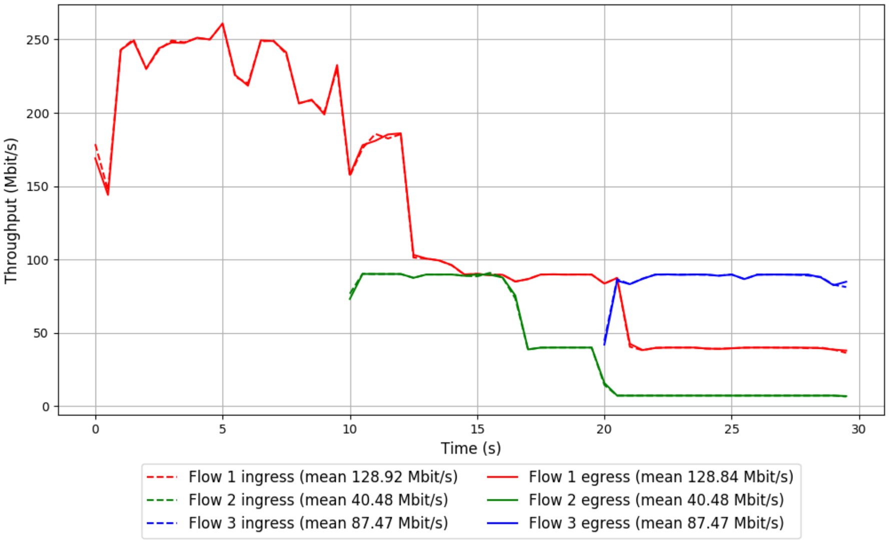
Run 1: Report of TaoVA-100x — Data Link

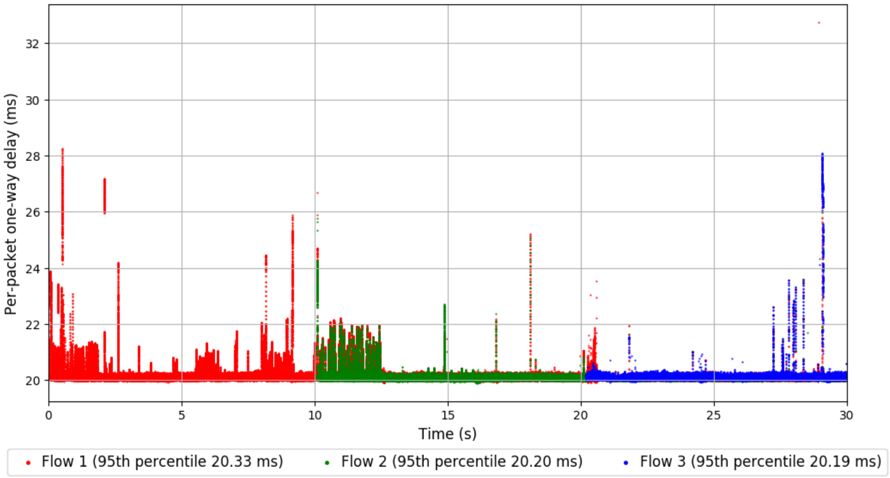




```
Run 2: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:29:01 +0000
End at: Sun, 09 Jul 2017 20:29:31 +0000
Local clock offset: 0.195 ms
Remote clock offset: -1.191 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:05:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 184.40 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 128.84 Mbit/s
95th percentile per-packet one-way delay: 20.331 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 20.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 20.192 ms
Loss rate: 0.00%
```

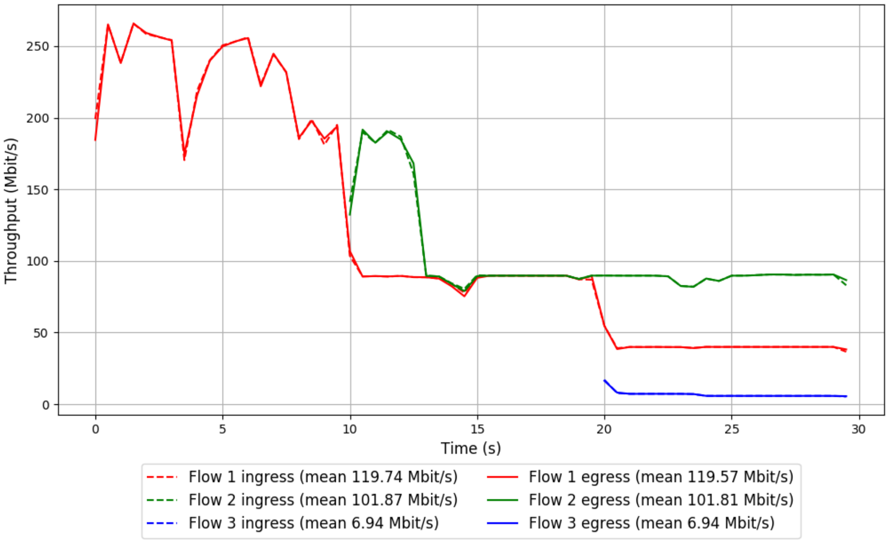
Run 2: Report of TaoVA-100x — Data Link

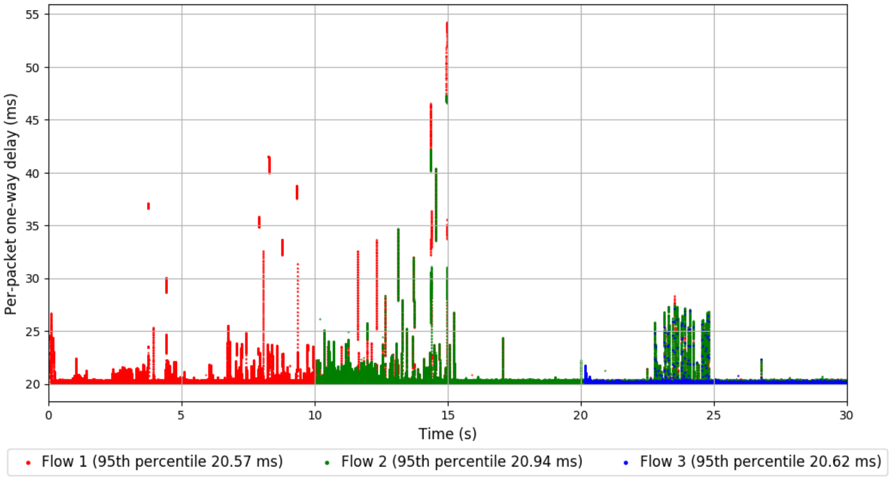




```
Run 3: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:50:03 +0000
End at: Sun, 09 Jul 2017 20:50:33 +0000
Local clock offset: 0.048 ms
Remote clock offset: -1.348 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:06:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 189.64 Mbit/s
95th percentile per-packet one-way delay: 20.688 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 119.57 Mbit/s
95th percentile per-packet one-way delay: 20.569 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 101.81 Mbit/s
95th percentile per-packet one-way delay: 20.941 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 20.619 ms
Loss rate: 0.02%
```

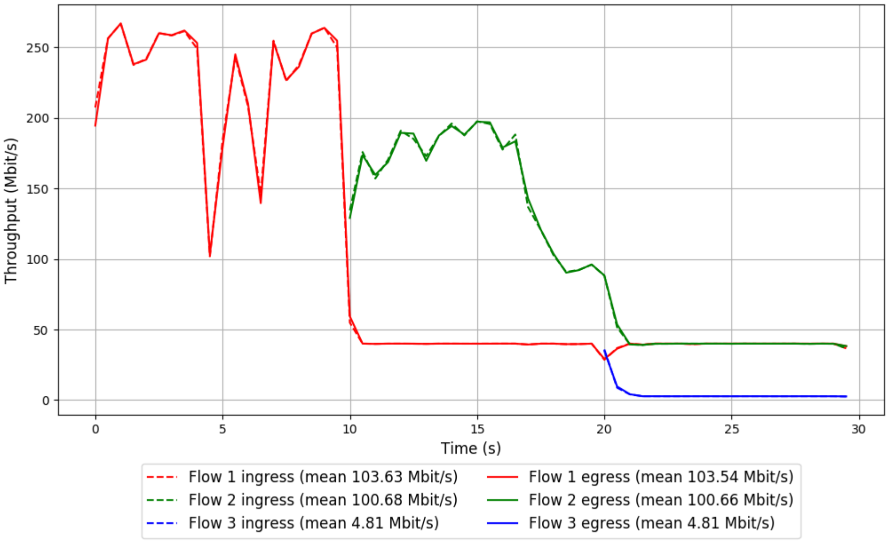
Run 3: Report of TaoVA-100x — Data Link

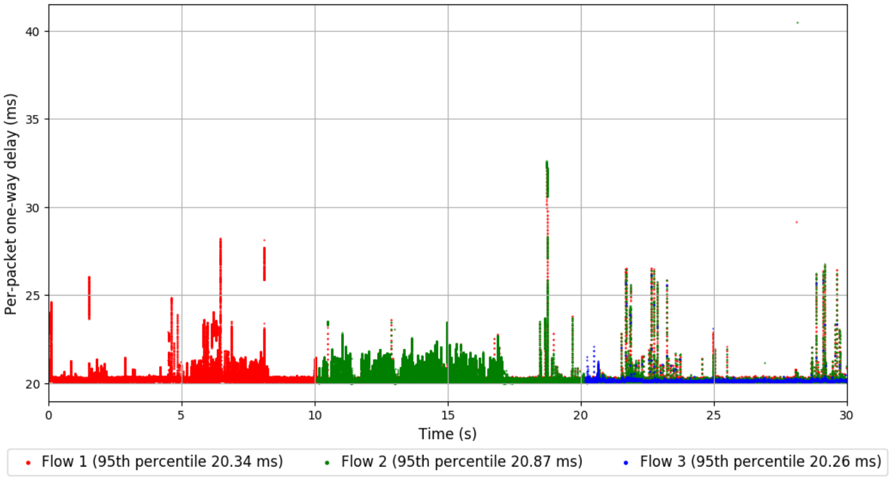




```
Run 4: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:10:55 +0000
End at: Sun, 09 Jul 2017 21:11:25 +0000
Local clock offset: 0.044 ms
Remote clock offset: -1.432 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:06:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.04 Mbit/s
95th percentile per-packet one-way delay: 20.572 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 103.54 Mbit/s
95th percentile per-packet one-way delay: 20.341 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 100.66 Mbit/s
95th percentile per-packet one-way delay: 20.872 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 20.257 ms
Loss rate: 0.00%
```

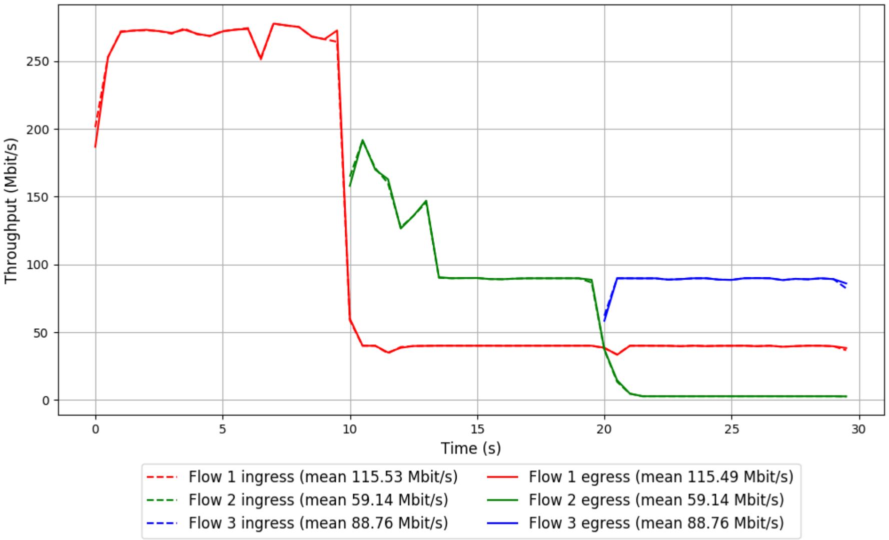
Run 4: Report of TaoVA-100x — Data Link

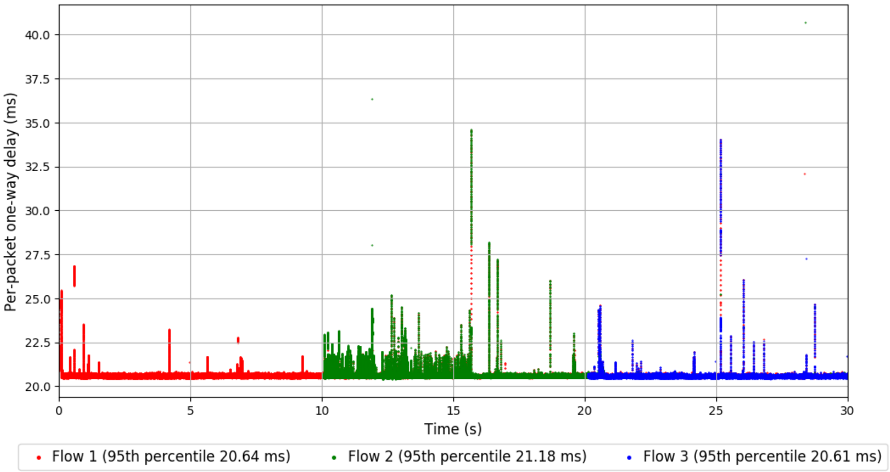




```
Run 5: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:31:48 +0000
End at: Sun, 09 Jul 2017 21:32:18 +0000
Local clock offset: -0.069 ms
Remote clock offset: -1.85 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:06:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 184.13 Mbit/s
95th percentile per-packet one-way delay: 20.672 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 115.49 Mbit/s
95th percentile per-packet one-way delay: 20.644 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 21.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 20.611 ms
Loss rate: 0.00%
```

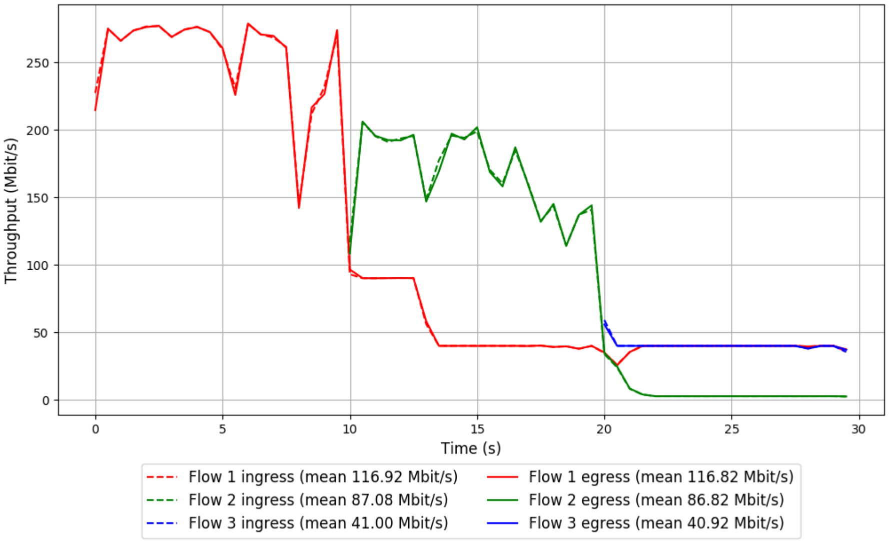
Run 5: Report of TaoVA-100x — Data Link

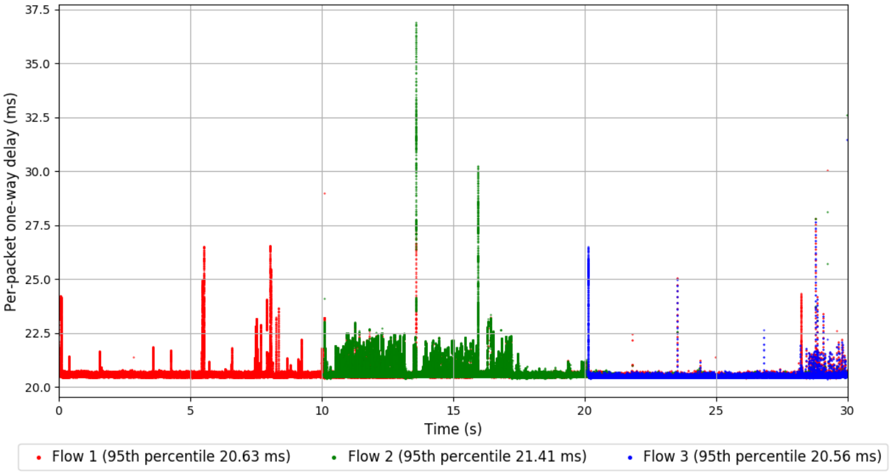




```
Run 6: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:52:31 +0000
End at: Sun, 09 Jul 2017 21:53:01 +0000
Local clock offset: 0.08 ms
Remote clock offset: -1.794 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:07:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 188.06 Mbit/s
95th percentile per-packet one-way delay: 20.809 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 116.82 Mbit/s
95th percentile per-packet one-way delay: 20.627 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 21.405 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 20.557 ms
Loss rate: 0.20%
```

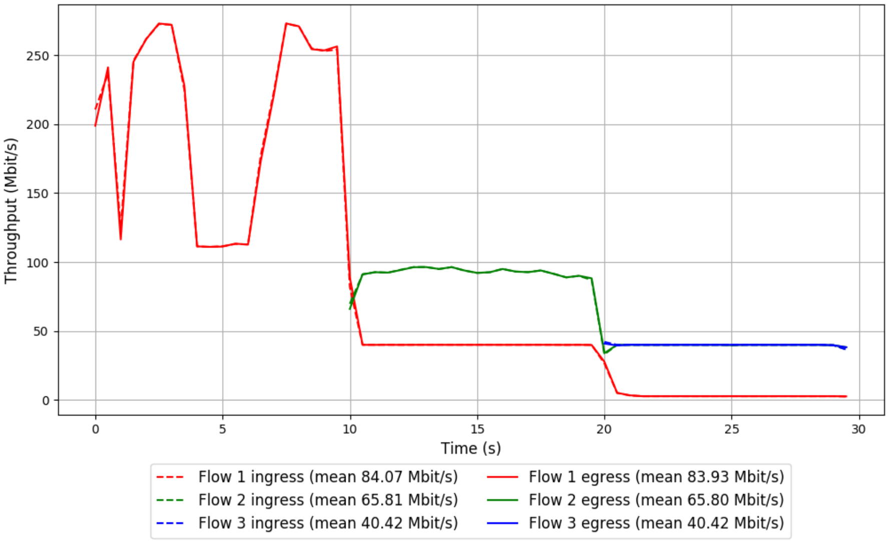
Run 6: Report of TaoVA-100x — Data Link

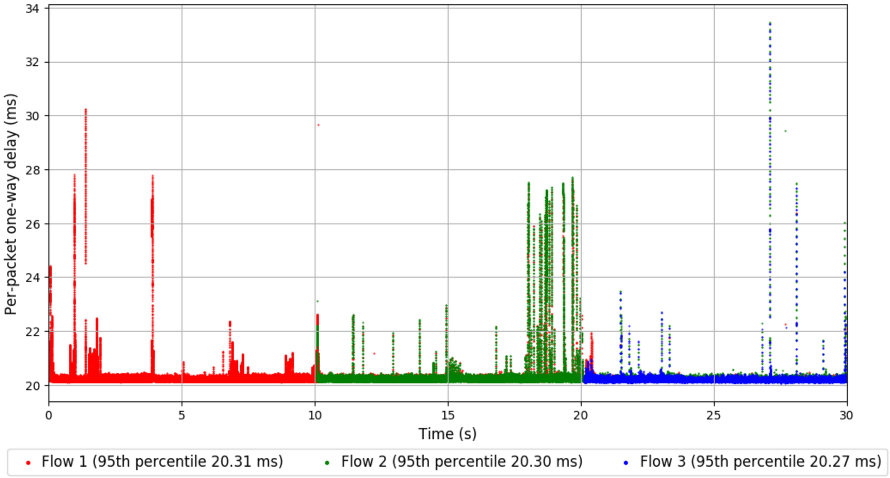




```
Run 7: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:13:09 +0000
End at: Sun, 09 Jul 2017 22:13:39 +0000
Local clock offset: 0.119 ms
Remote clock offset: -1.354 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:07:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.01 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 20.314 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 65.80 Mbit/s
95th percentile per-packet one-way delay: 20.300 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 20.266 ms
Loss rate: 0.00%
```

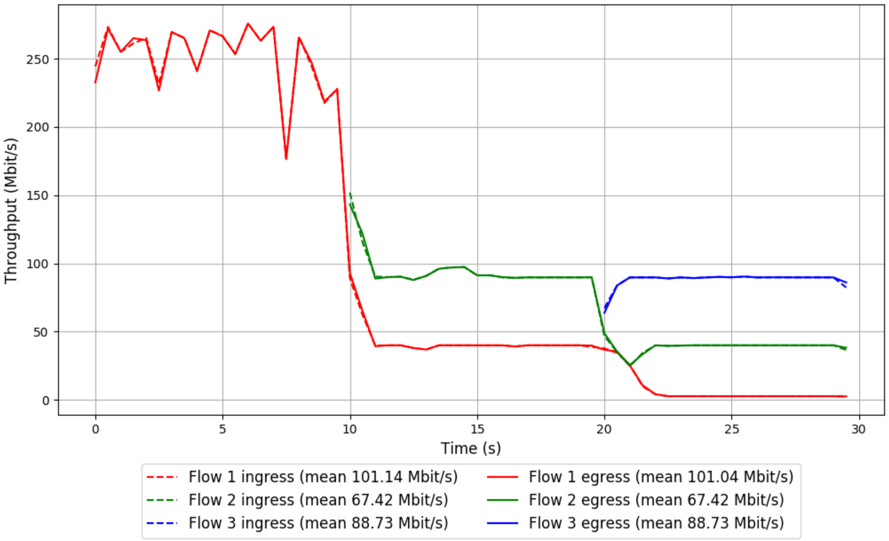
Run 7: Report of TaoVA-100x — Data Link

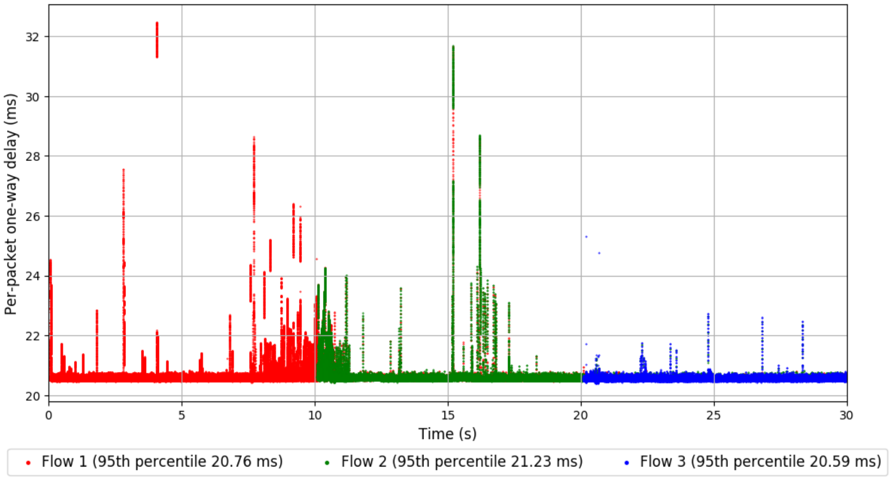




```
Run 8: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:33:52 +0000
End at: Sun, 09 Jul 2017 22:34:22 +0000
Local clock offset: 0.287 ms
Remote clock offset: -1.579 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:07:45 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 175.19 Mbit/s
95th percentile per-packet one-way delay: 20.728 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 101.04 Mbit/s
95th percentile per-packet one-way delay: 20.764 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 21.232 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 20.595 ms
Loss rate: 0.00%
```

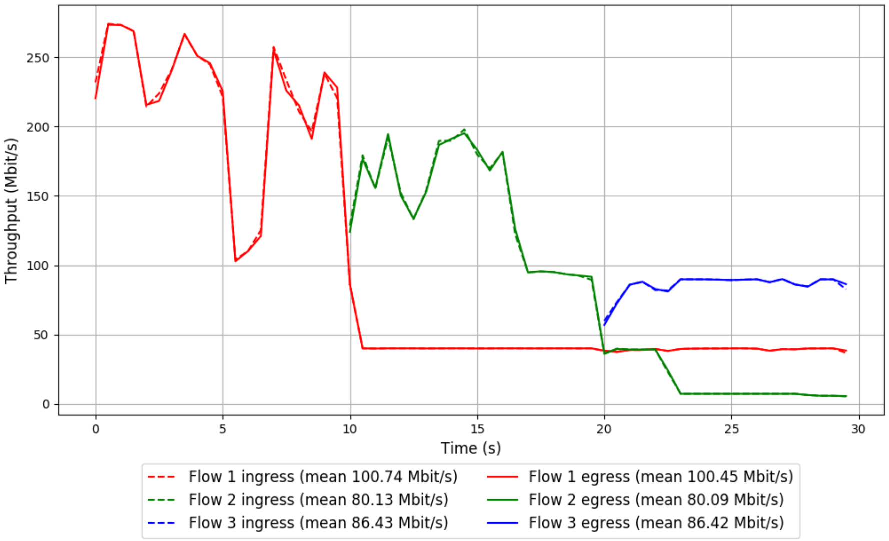
Run 8: Report of TaoVA-100x — Data Link

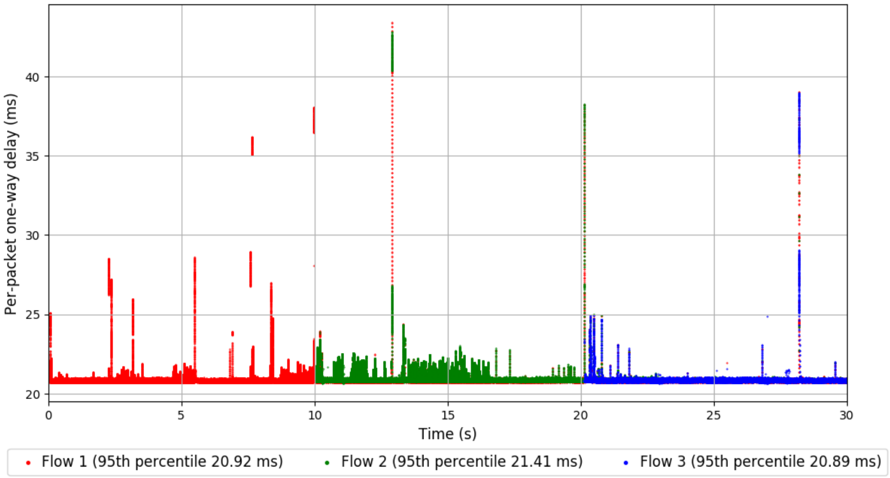




```
Run 9: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:54:28 +0000
End at: Sun, 09 Jul 2017 22:54:58 +0000
Local clock offset: 0.36 ms
Remote clock offset: -1.572 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:08:11 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 182.29 Mbit/s
95th percentile per-packet one-way delay: 20.979 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 100.45 Mbit/s
95th percentile per-packet one-way delay: 20.924 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 80.09 Mbit/s
95th percentile per-packet one-way delay: 21.405 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 86.42 Mbit/s
95th percentile per-packet one-way delay: 20.891 ms
Loss rate: 0.01%
```

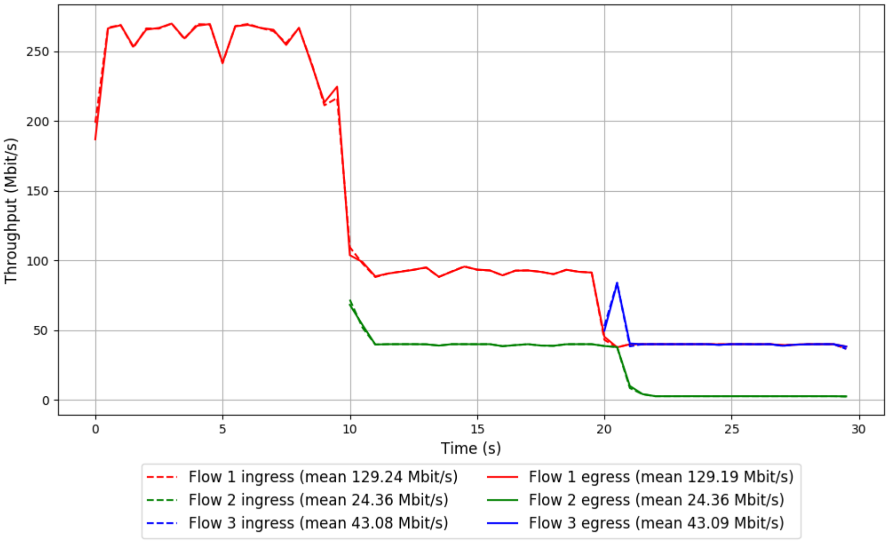
Run 9: Report of TaoVA-100x — Data Link

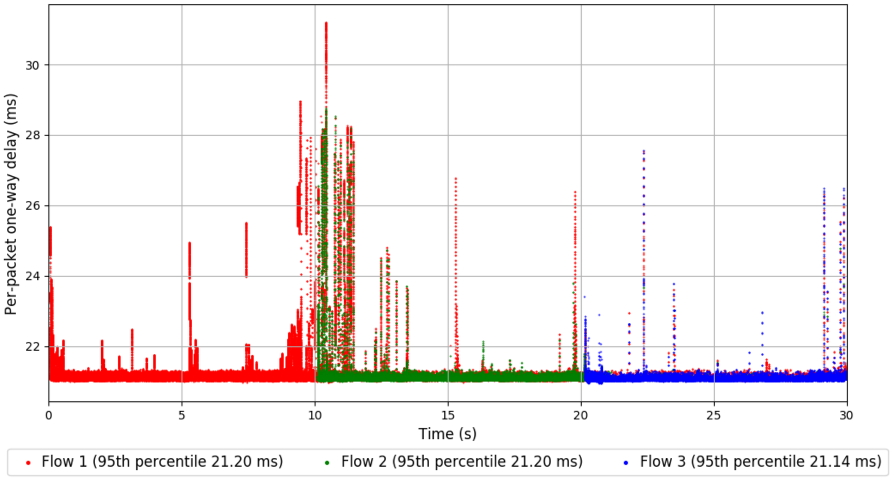




```
Run 10: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 23:15:16 +0000
End at: Sun, 09 Jul 2017 23:15:46 +0000
Local clock offset: 0.53 ms
Remote clock offset: -1.791 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:08:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 159.56 Mbit/s
95th percentile per-packet one-way delay: 21.195 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 129.19 Mbit/s
95th percentile per-packet one-way delay: 21.202 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 21.201 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.09 Mbit/s
95th percentile per-packet one-way delay: 21.135 ms
Loss rate: 0.00%
```

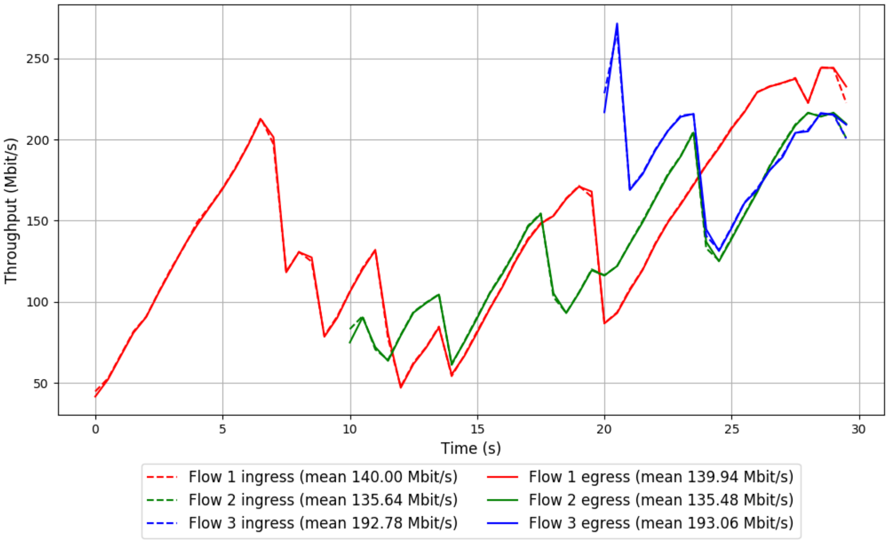
Run 10: Report of TaoVA-100x — Data Link

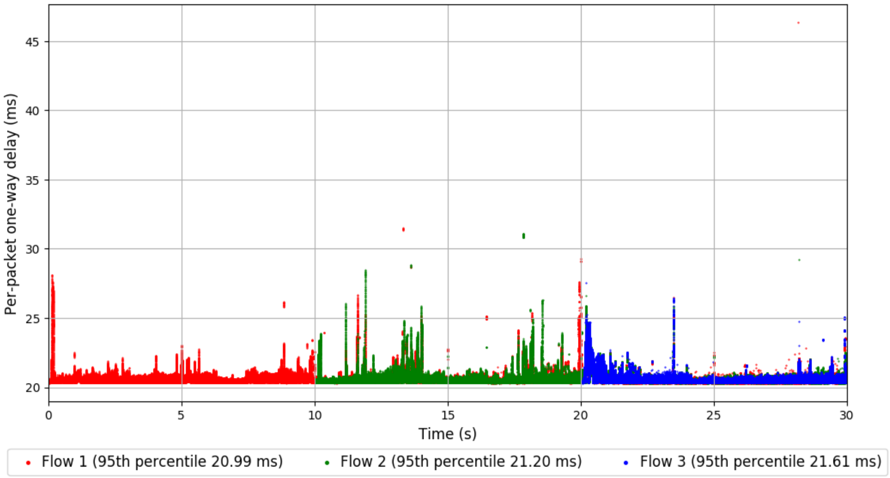




```
Run 1: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:03:41 +0000
End at: Sun, 09 Jul 2017 20:04:11 +0000
Local clock offset: 0.187 ms
Remote clock offset: -1.378 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:08:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.18 Mbit/s
95th percentile per-packet one-way delay: 21.186 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 139.94 Mbit/s
95th percentile per-packet one-way delay: 20.991 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 135.48 Mbit/s
95th percentile per-packet one-way delay: 21.201 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 193.06 Mbit/s
95th percentile per-packet one-way delay: 21.612 ms
Loss rate: 0.00%
```

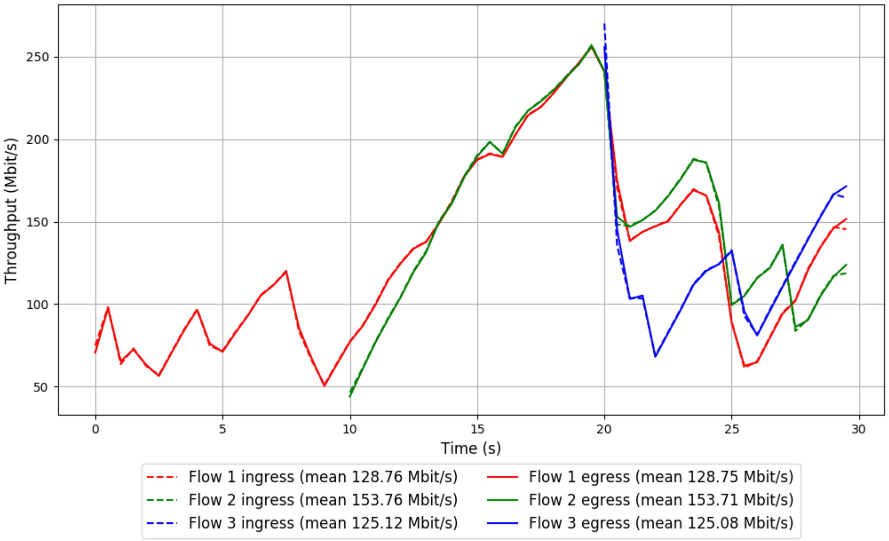
Run 1: Report of TCP Vegas — Data Link

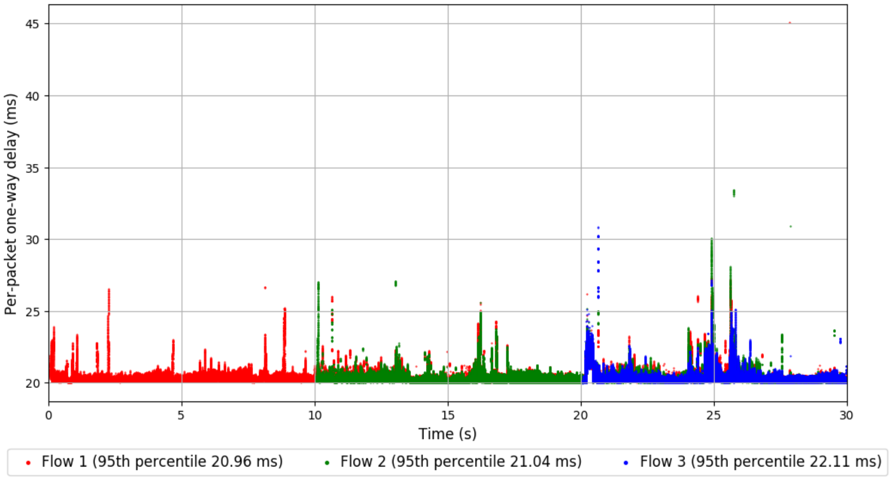




```
Run 2: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:24:51 +0000
End at: Sun, 09 Jul 2017 20:25:21 +0000
Local clock offset: 0.202 ms
Remote clock offset: -1.15 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:09:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 272.52 Mbit/s
95th percentile per-packet one-way delay: 21.237 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 128.75 Mbit/s
95th percentile per-packet one-way delay: 20.960 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 153.71 Mbit/s
95th percentile per-packet one-way delay: 21.036 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 125.08 Mbit/s
95th percentile per-packet one-way delay: 22.110 ms
Loss rate: 0.04%
```

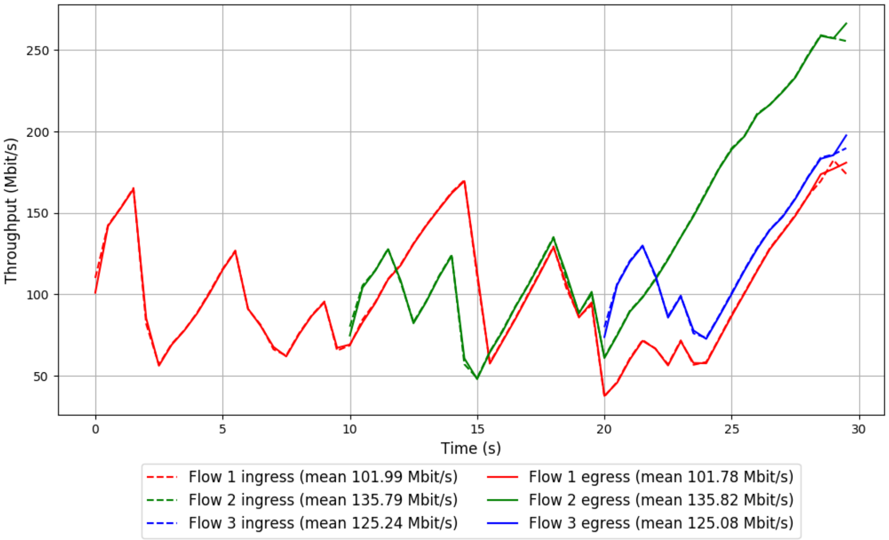
Run 2: Report of TCP Vegas — Data Link

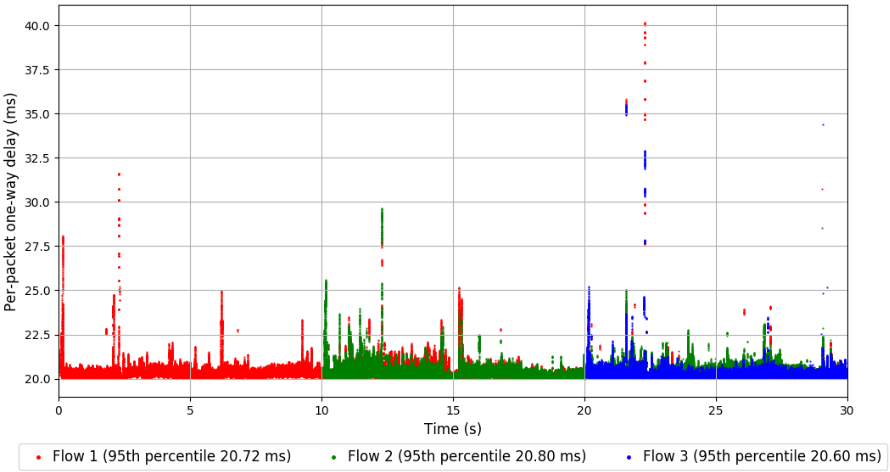




```
Run 3: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:45:49 +0000
End at: Sun, 09 Jul 2017 20:46:19 +0000
Local clock offset: 0.168 ms
Remote clock offset: -1.259 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:09:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.80 Mbit/s
95th percentile per-packet one-way delay: 20.734 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 101.78 Mbit/s
95th percentile per-packet one-way delay: 20.724 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 135.82 Mbit/s
95th percentile per-packet one-way delay: 20.796 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 125.08 Mbit/s
95th percentile per-packet one-way delay: 20.602 ms
Loss rate: 0.15%
```

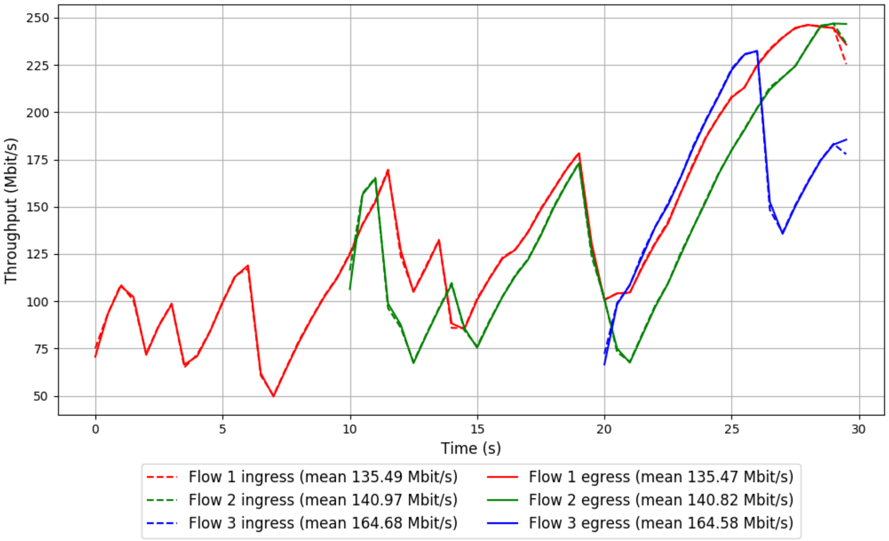
Run 3: Report of TCP Vegas — Data Link

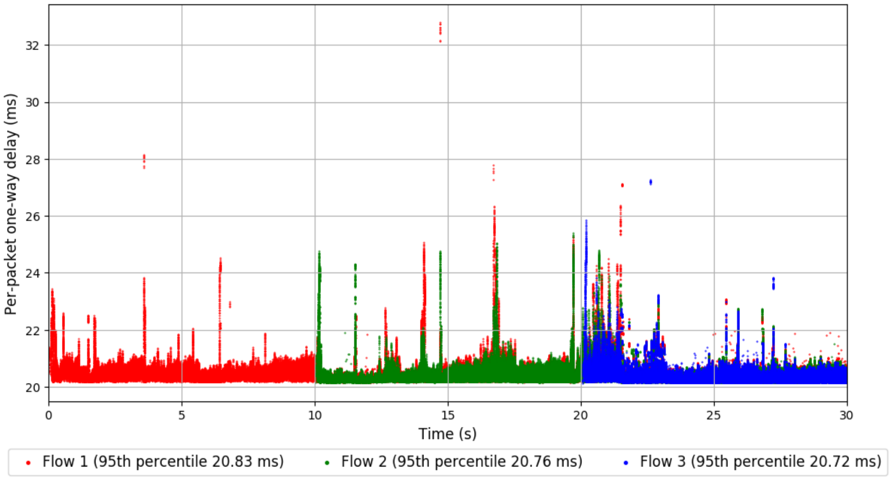




```
Run 4: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:06:40 +0000
End at: Sun, 09 Jul 2017 21:07:10 +0000
Local clock offset: -0.045 ms
Remote clock offset: -1.378 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:09:38 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.78 Mbit/s
95th percentile per-packet one-way delay: 20.792 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 135.47 Mbit/s
95th percentile per-packet one-way delay: 20.830 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 140.82 Mbit/s
95th percentile per-packet one-way delay: 20.758 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 164.58 Mbit/s
95th percentile per-packet one-way delay: 20.718 ms
Loss rate: 0.06%
```

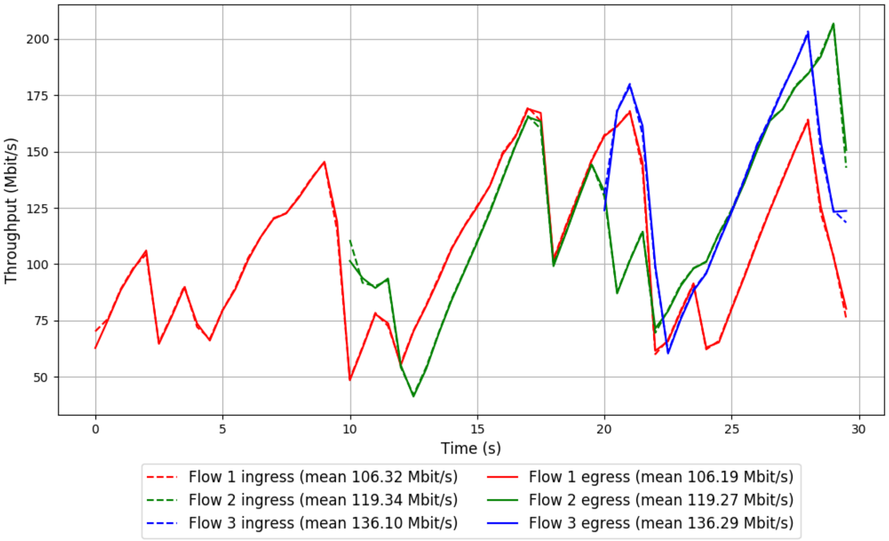
Run 4: Report of TCP Vegas — Data Link

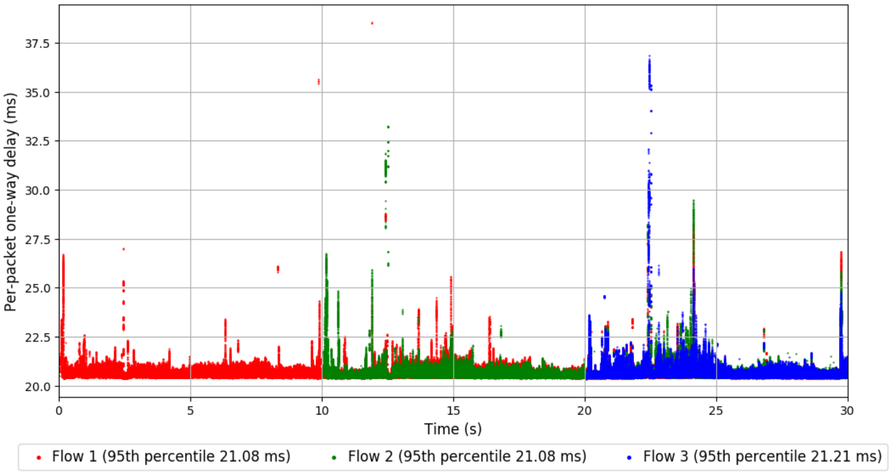




```
Run 5: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:27:39 +0000
End at: Sun, 09 Jul 2017 21:28:09 +0000
Local clock offset: -0.002 ms
Remote clock offset: -1.72 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:09:55 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.79 Mbit/s
95th percentile per-packet one-way delay: 21.100 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 106.19 Mbit/s
95th percentile per-packet one-way delay: 21.077 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 119.27 Mbit/s
95th percentile per-packet one-way delay: 21.081 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 136.29 Mbit/s
95th percentile per-packet one-way delay: 21.207 ms
Loss rate: 0.04%
```

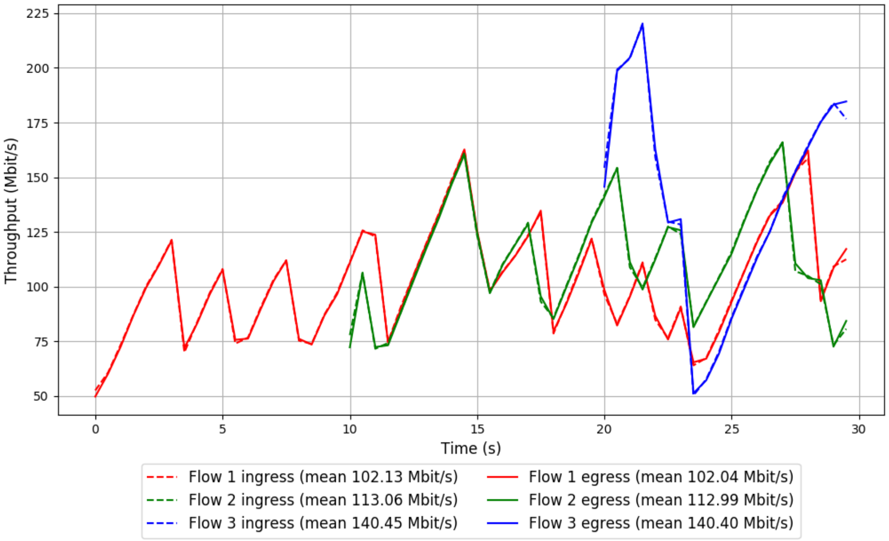
Run 5: Report of TCP Vegas — Data Link

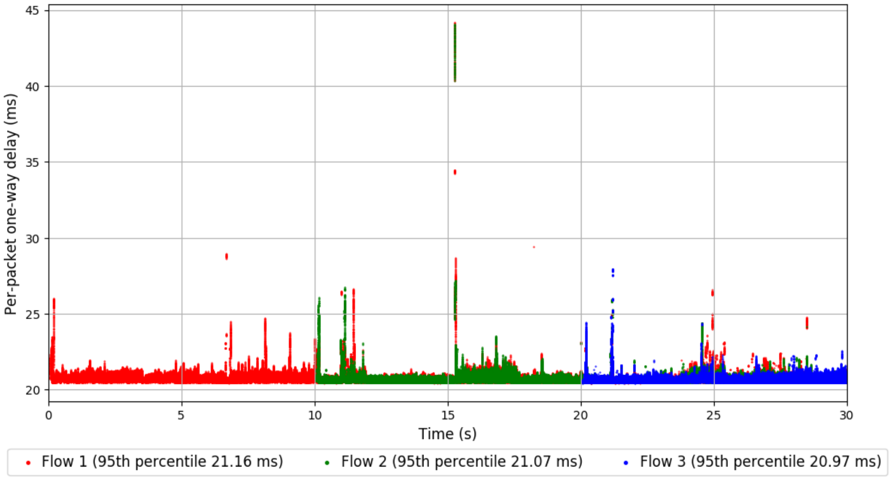




```
Run 6: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:48:20 +0000
End at: Sun, 09 Jul 2017 21:48:50 +0000
Local clock offset: 0.014 ms
Remote clock offset: -1.774 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:10:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 223.81 Mbit/s
95th percentile per-packet one-way delay: 21.101 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 102.04 Mbit/s
95th percentile per-packet one-way delay: 21.164 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 112.99 Mbit/s
95th percentile per-packet one-way delay: 21.065 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 140.40 Mbit/s
95th percentile per-packet one-way delay: 20.973 ms
Loss rate: 0.03%
```

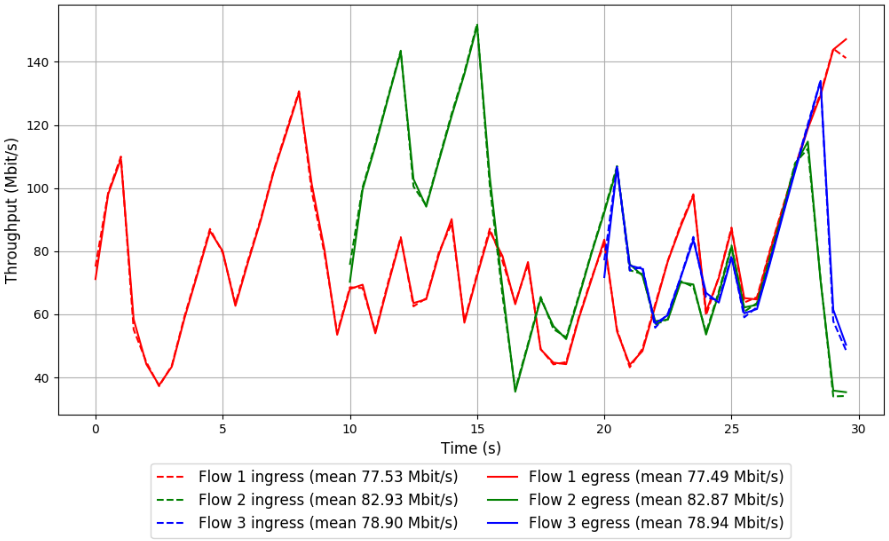
Run 6: Report of TCP Vegas — Data Link

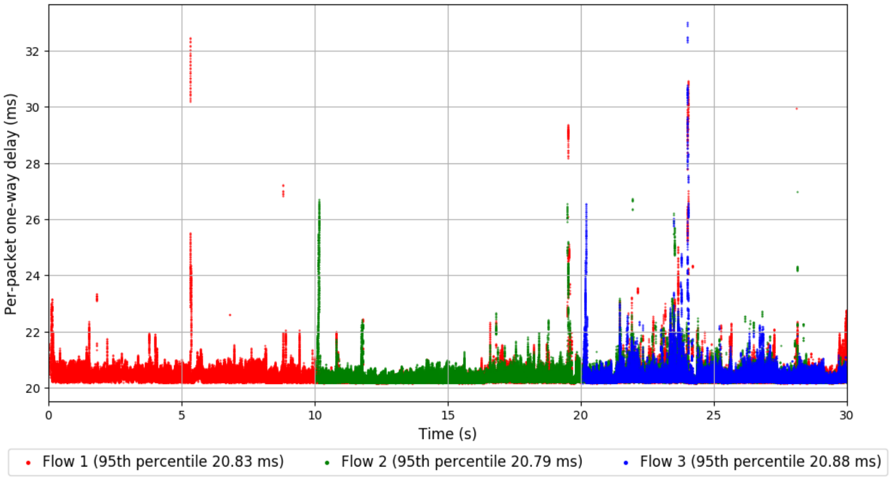




```
Run 7: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:09:07 +0000
End at: Sun, 09 Jul 2017 22:09:37 +0000
Local clock offset: 0.056 ms
Remote clock offset: -1.377 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:10:18 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.85 Mbit/s
95th percentile per-packet one-way delay: 20.824 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 77.49 Mbit/s
95th percentile per-packet one-way delay: 20.833 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 82.87 Mbit/s
95th percentile per-packet one-way delay: 20.786 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 20.883 ms
Loss rate: 0.11%
```

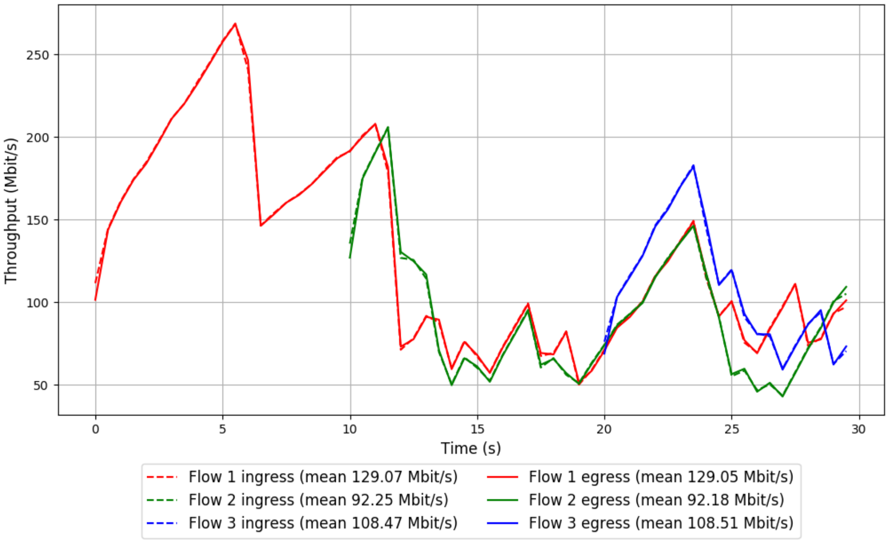
Run 7: Report of TCP Vegas — Data Link

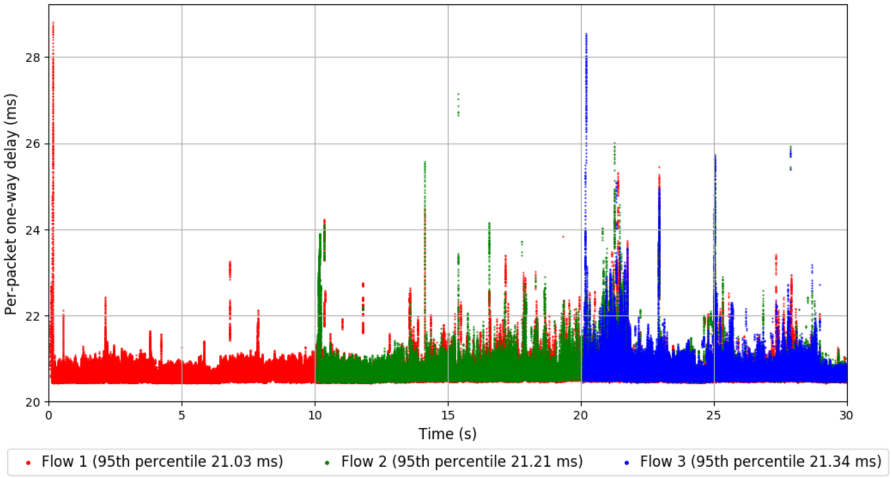




```
Run 8: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:29:42 +0000
End at: Sun, 09 Jul 2017 22:30:12 +0000
Local clock offset: 0.233 ms
Remote clock offset: -1.578 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:10:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 226.36 Mbit/s
95th percentile per-packet one-way delay: 21.130 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 129.05 Mbit/s
95th percentile per-packet one-way delay: 21.027 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 21.209 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 108.51 Mbit/s
95th percentile per-packet one-way delay: 21.345 ms
Loss rate: 0.15%
```

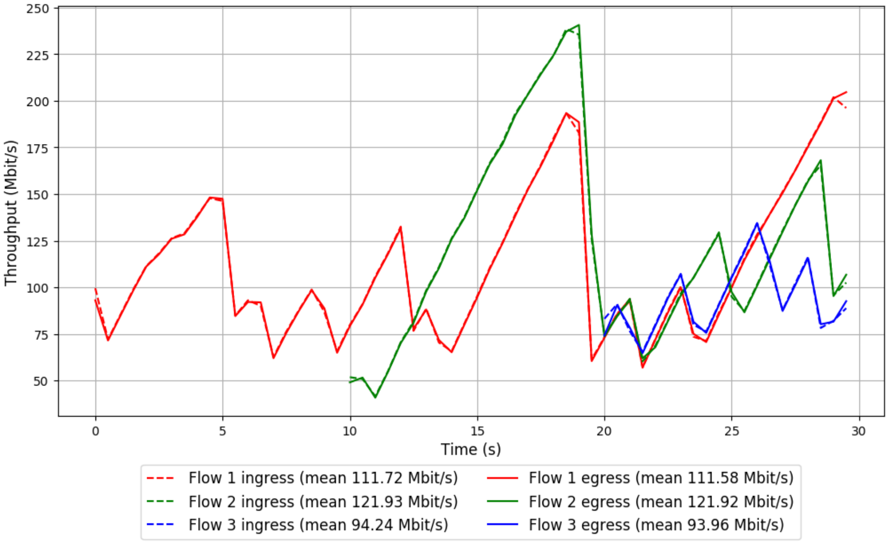
Run 8: Report of TCP Vegas — Data Link

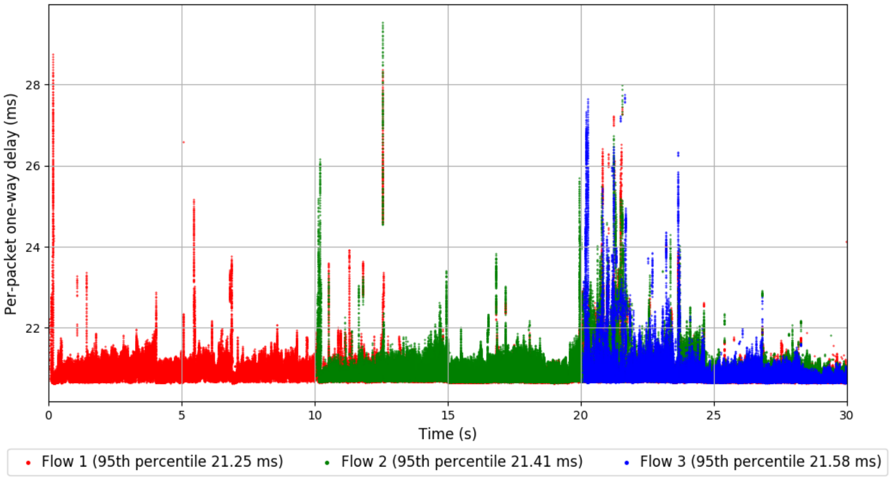




```
Run 9: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:50:17 +0000
End at: Sun, 09 Jul 2017 22:50:47 +0000
Local clock offset: 0.346 ms
Remote clock offset: -1.577 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:10:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 223.93 Mbit/s
95th percentile per-packet one-way delay: 21.330 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 111.58 Mbit/s
95th percentile per-packet one-way delay: 21.246 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 121.92 Mbit/s
95th percentile per-packet one-way delay: 21.406 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 21.583 ms
Loss rate: 0.29%
```

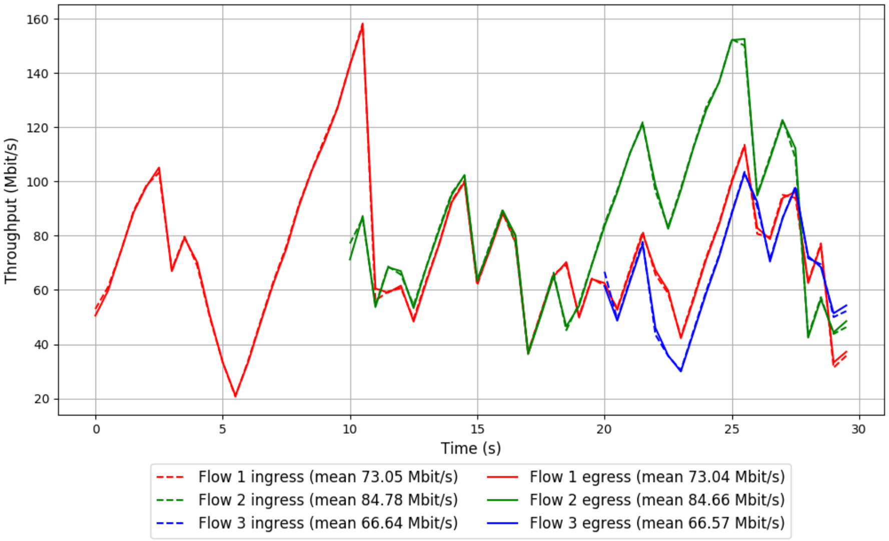
Run 9: Report of TCP Vegas — Data Link

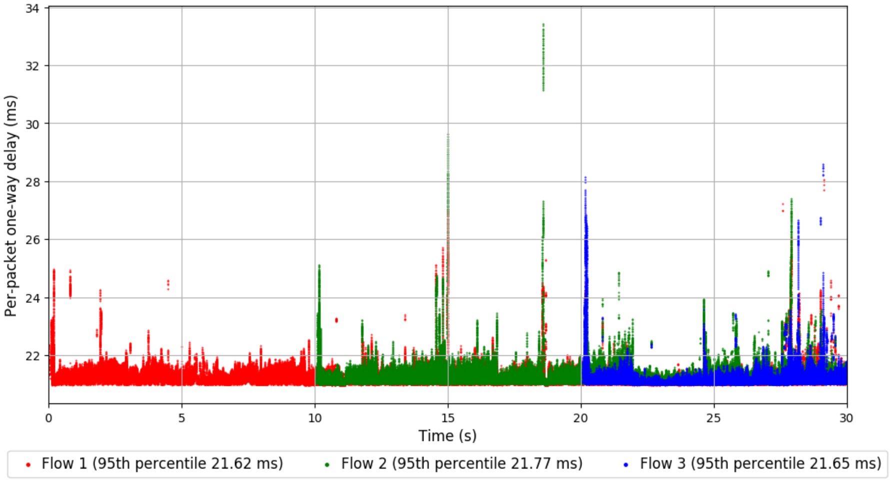




```
Run 10: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:11:05 +0000
End at: Sun, 09 Jul 2017 23:11:35 +0000
Local clock offset: 0.486 ms
Remote clock offset: -1.741 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:10:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 151.50 Mbit/s
95th percentile per-packet one-way delay: 21.677 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 73.04 Mbit/s
95th percentile per-packet one-way delay: 21.622 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 21.769 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 21.654 ms
Loss rate: 0.35%
```

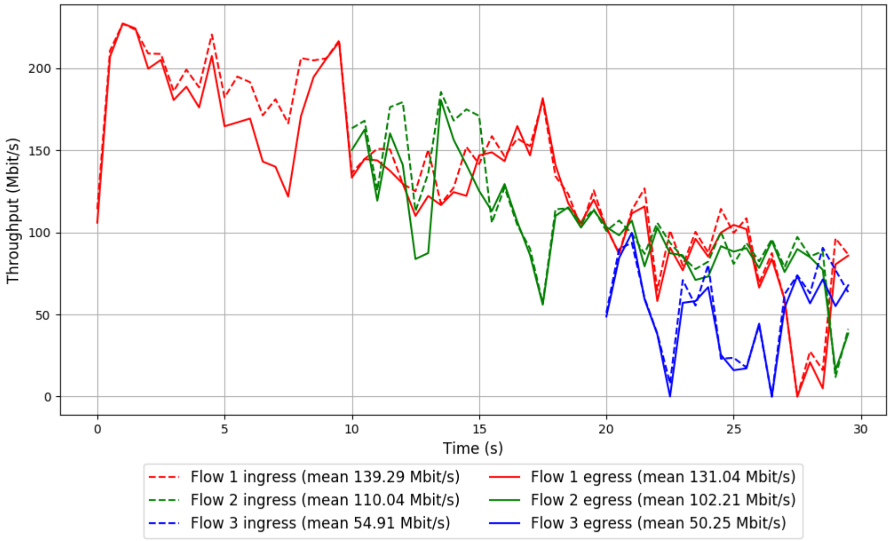
Run 10: Report of TCP Vegas — Data Link

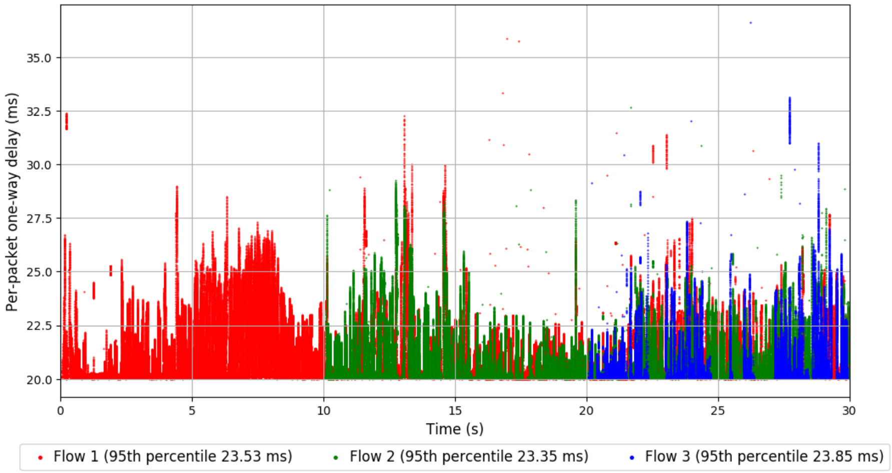




```
Run 1: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:16:10 +0000
End at: Sun, 09 Jul 2017 20:16:40 +0000
Local clock offset: 0.164 ms
Remote clock offset: -1.044 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:11:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 215.65 Mbit/s
95th percentile per-packet one-way delay: 23.507 ms
Loss rate: 6.50%
-- Flow 1:
Average throughput: 131.04 Mbit/s
95th percentile per-packet one-way delay: 23.532 ms
Loss rate: 5.91%
-- Flow 2:
Average throughput: 102.21 Mbit/s
95th percentile per-packet one-way delay: 23.347 ms
Loss rate: 7.14%
-- Flow 3:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 23.846 ms
Loss rate: 8.50%
```

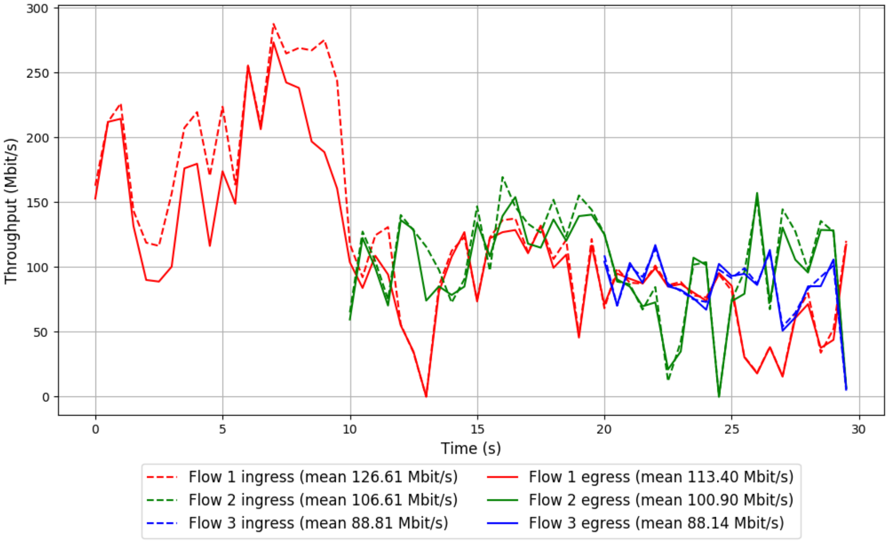
Run 1: Report of Verus — Data Link

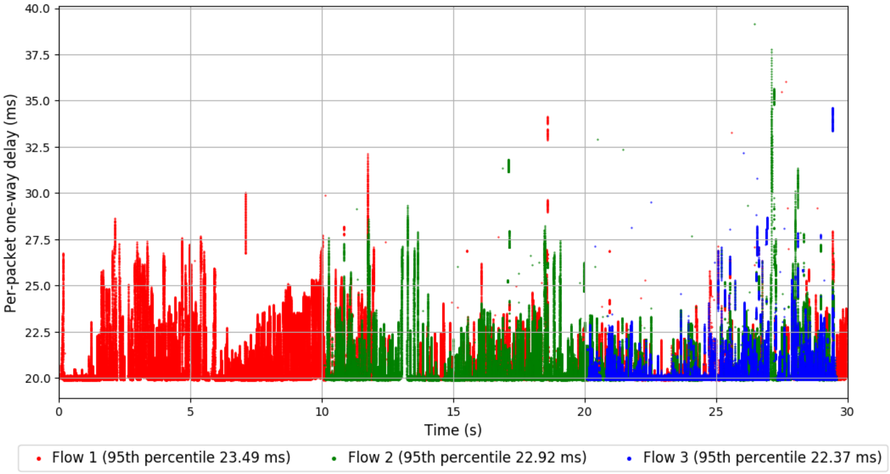




```
Run 2: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:37:14 +0000
End at: Sun, 09 Jul 2017 20:37:44 +0000
Local clock offset: 0.158 ms
Remote clock offset: -0.976 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:11:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.07 Mbit/s
95th percentile per-packet one-way delay: 23.234 ms
Loss rate: 7.64%
-- Flow 1:
Average throughput: 113.40 Mbit/s
95th percentile per-packet one-way delay: 23.489 ms
Loss rate: 10.42%
-- Flow 2:
Average throughput: 100.90 Mbit/s
95th percentile per-packet one-way delay: 22.923 ms
Loss rate: 5.36%
-- Flow 3:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: 22.369 ms
Loss rate: 0.76%
```

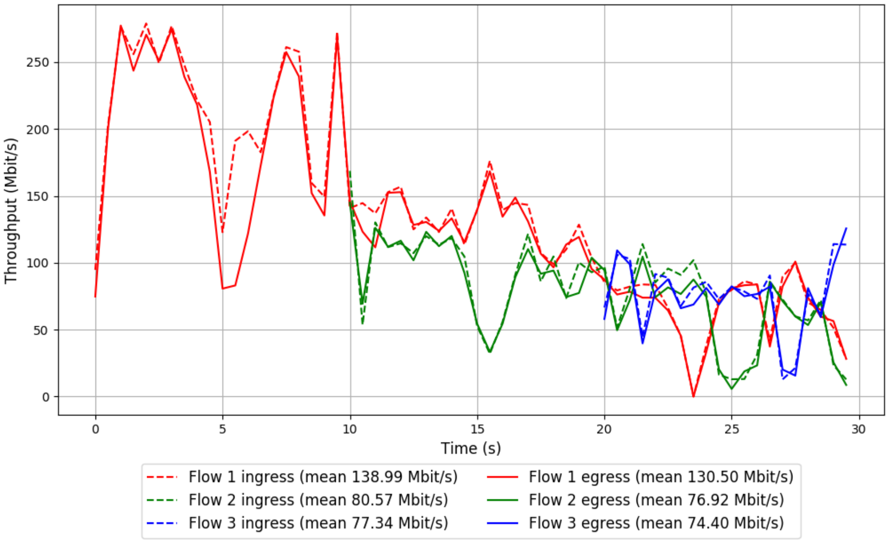
Run 2: Report of Verus — Data Link

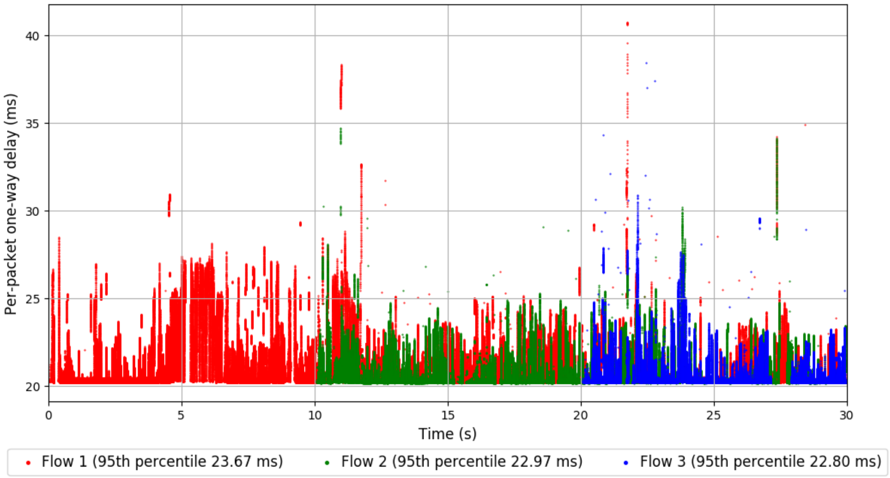




```
Run 3: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:58:20 +0000
End at: Sun, 09 Jul 2017 20:58:50 +0000
Local clock offset: -0.005 ms
Remote clock offset: -1.37 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:11:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 206.23 Mbit/s
95th percentile per-packet one-way delay: 23.346 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 130.50 Mbit/s
95th percentile per-packet one-way delay: 23.668 ms
Loss rate: 6.11%
-- Flow 2:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 22.968 ms
Loss rate: 4.51%
-- Flow 3:
Average throughput: 74.40 Mbit/s
95th percentile per-packet one-way delay: 22.799 ms
Loss rate: 3.80%
```

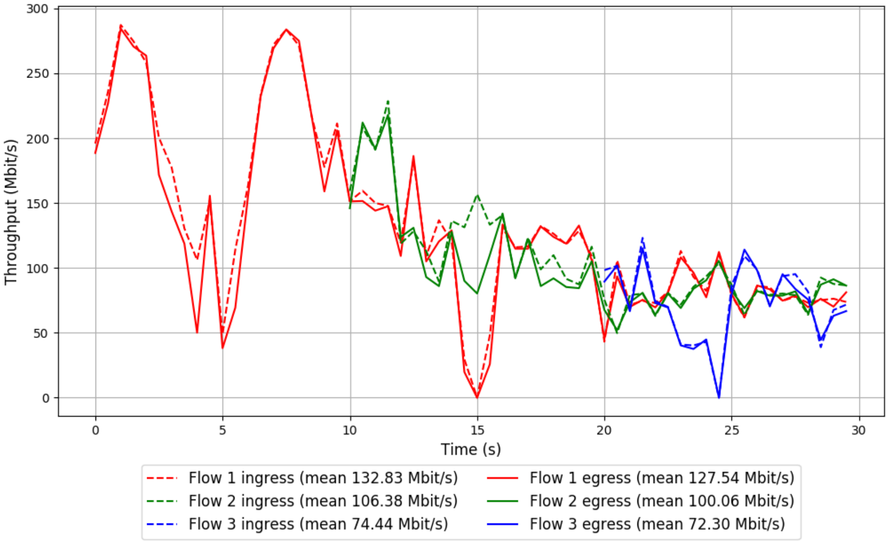
Run 3: Report of Verus — Data Link

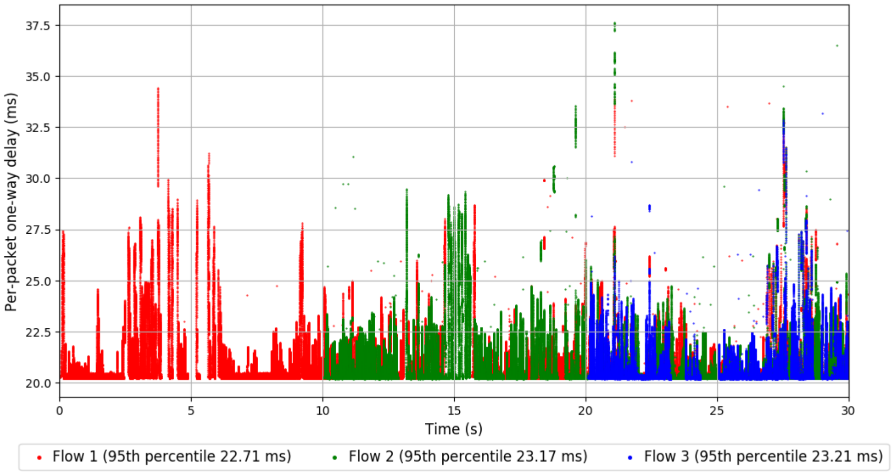




```
Run 4: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:19:10 +0000
End at: Sun, 09 Jul 2017 21:19:40 +0000
Local clock offset: -0.112 ms
Remote clock offset: -1.581 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:11:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 218.01 Mbit/s
95th percentile per-packet one-way delay: 22.969 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 127.54 Mbit/s
95th percentile per-packet one-way delay: 22.712 ms
Loss rate: 3.99%
-- Flow 2:
Average throughput: 100.06 Mbit/s
95th percentile per-packet one-way delay: 23.172 ms
Loss rate: 5.93%
-- Flow 3:
Average throughput: 72.30 Mbit/s
95th percentile per-packet one-way delay: 23.213 ms
Loss rate: 2.95%
```

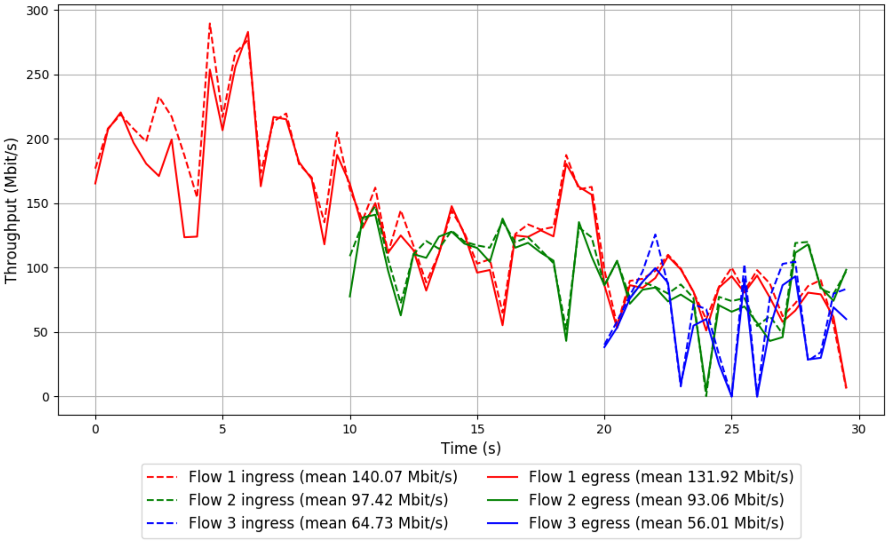
Run 4: Report of Verus — Data Link

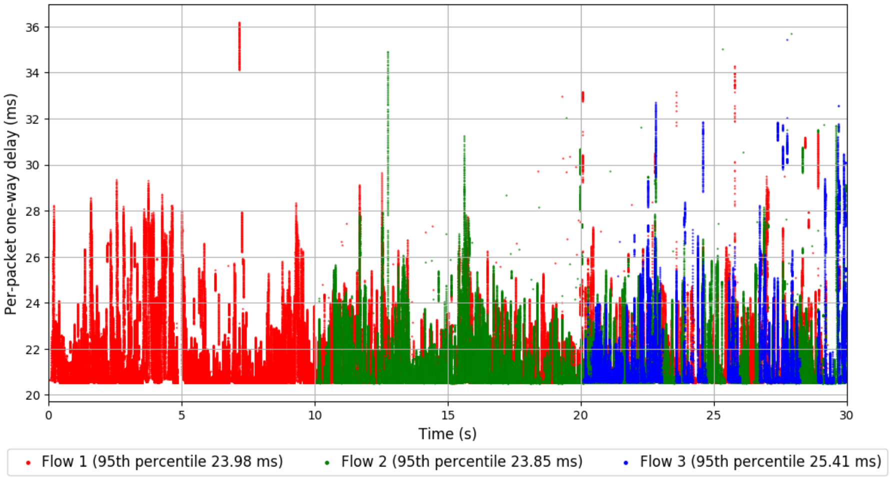




```
Run 5: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:40:01 +0000
End at: Sun, 09 Jul 2017 21:40:31 +0000
Local clock offset: 0.072 ms
Remote clock offset: -1.884 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:12:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 212.03 Mbit/s
95th percentile per-packet one-way delay: 24.090 ms
Loss rate: 6.15%
-- Flow 1:
Average throughput: 131.92 Mbit/s
95th percentile per-packet one-way delay: 23.977 ms
Loss rate: 5.82%
-- Flow 2:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 23.846 ms
Loss rate: 4.48%
-- Flow 3:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 25.411 ms
Loss rate: 13.44%
```

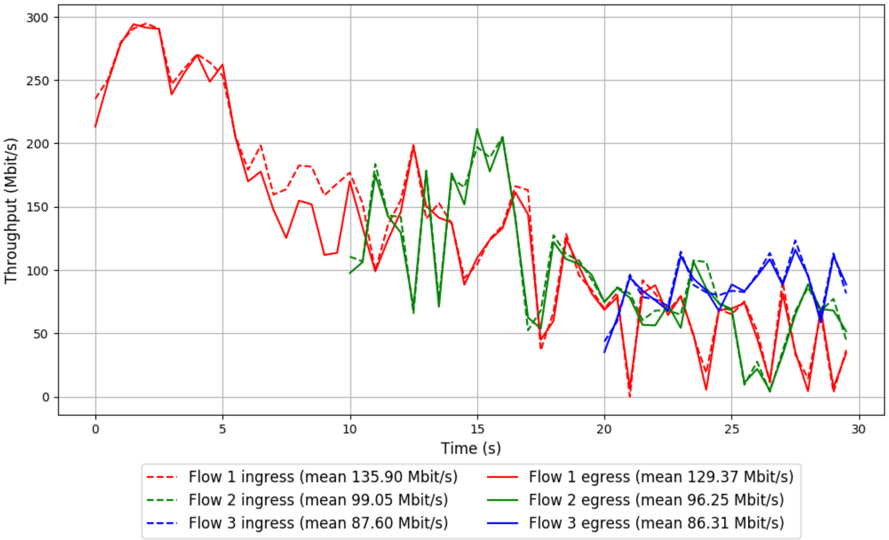
Run 5: Report of Verus — Data Link

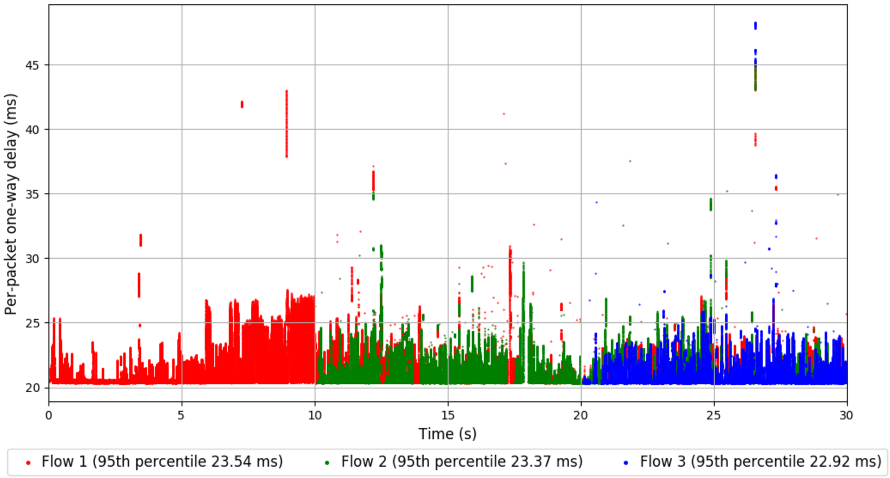




```
Run 6: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:00:48 +0000
End at: Sun, 09 Jul 2017 22:01:18 +0000
Local clock offset: 0.006 ms
Remote clock offset: -1.634 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:12:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.47 Mbit/s
95th percentile per-packet one-way delay: 23.396 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 129.37 Mbit/s
95th percentile per-packet one-way delay: 23.541 ms
Loss rate: 4.79%
-- Flow 2:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 23.366 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 22.920 ms
Loss rate: 1.46%
```

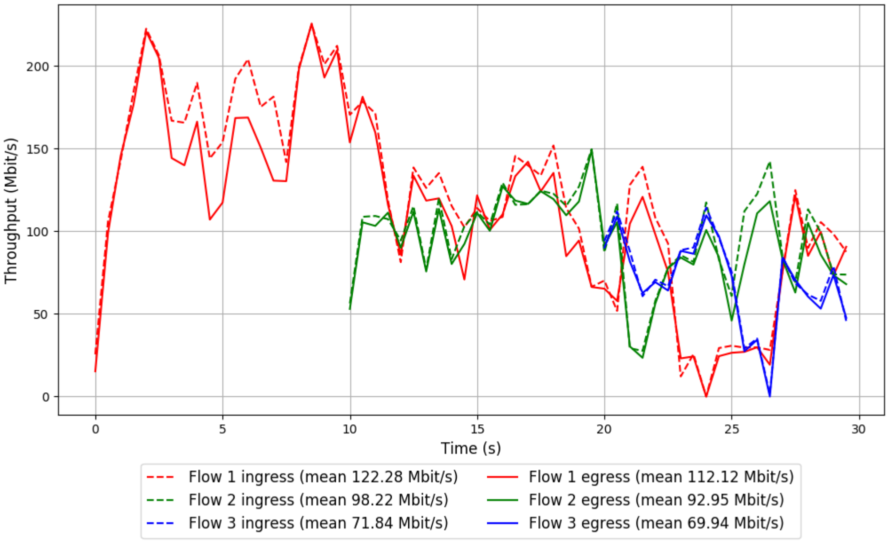
Run 6: Report of Verus — Data Link

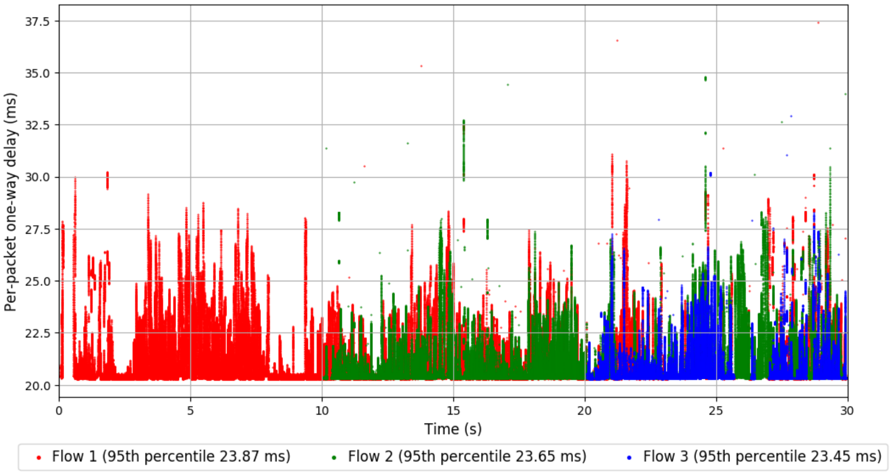




```
Run 7: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:21:21 +0000
End at: Sun, 09 Jul 2017 22:21:51 +0000
Local clock offset: 0.2 ms
Remote clock offset: -1.478 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:12:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 196.98 Mbit/s
95th percentile per-packet one-way delay: 23.734 ms
Loss rate: 6.77%
-- Flow 1:
Average throughput: 112.12 Mbit/s
95th percentile per-packet one-way delay: 23.869 ms
Loss rate: 8.31%
-- Flow 2:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 23.647 ms
Loss rate: 5.37%
-- Flow 3:
Average throughput: 69.94 Mbit/s
95th percentile per-packet one-way delay: 23.447 ms
Loss rate: 2.65%
```

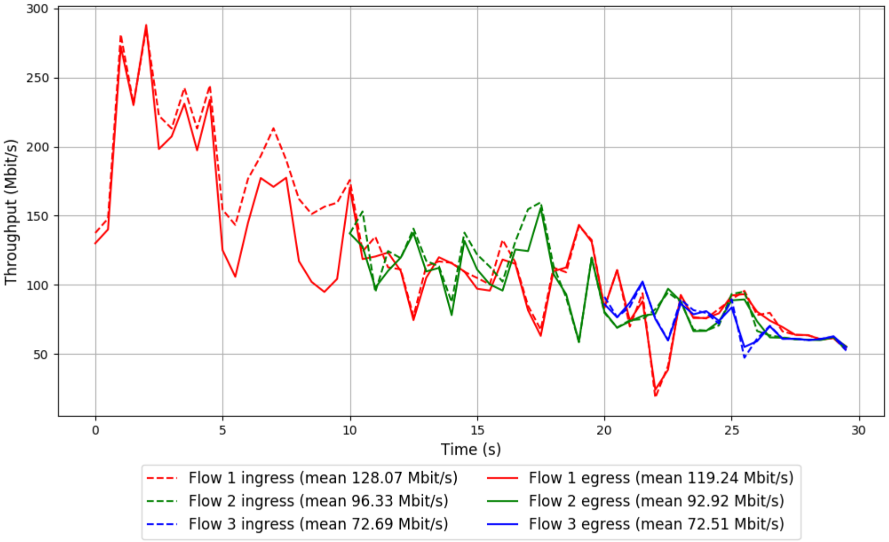
Run 7: Report of Verus — Data Link

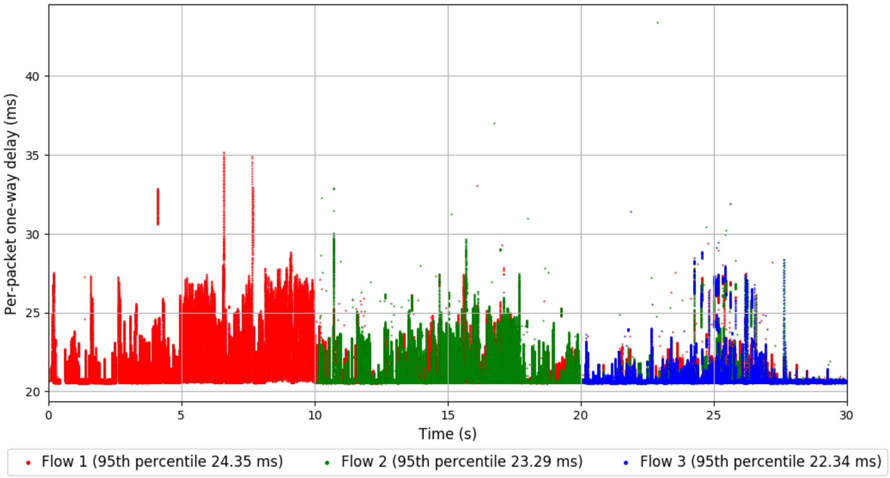




```
Run 8: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:42:04 +0000
End at: Sun, 09 Jul 2017 22:42:34 +0000
Local clock offset: 0.36 ms
Remote clock offset: -1.486 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:12:52 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 204.94 Mbit/s
95th percentile per-packet one-way delay: 23.851 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 119.24 Mbit/s
95th percentile per-packet one-way delay: 24.354 ms
Loss rate: 6.89%
-- Flow 2:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 23.286 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 22.344 ms
Loss rate: 0.24%
```

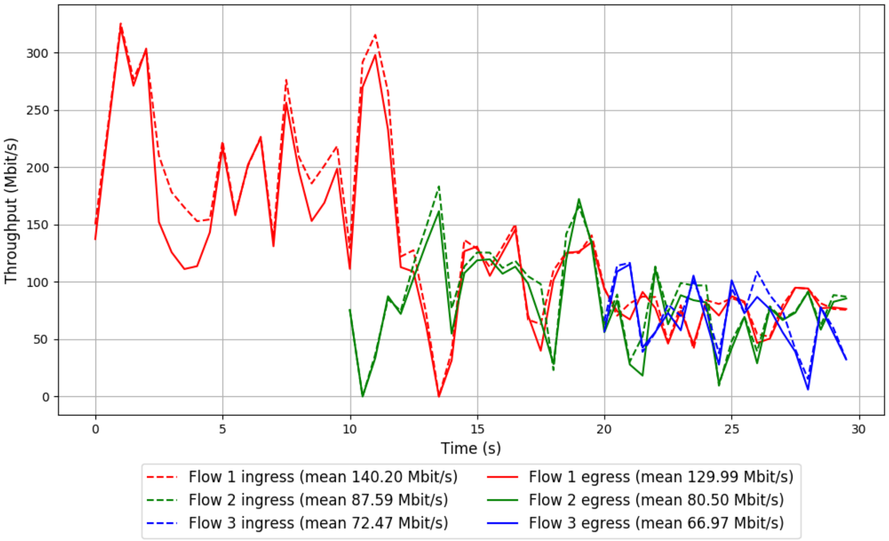
Run 8: Report of Verus — Data Link

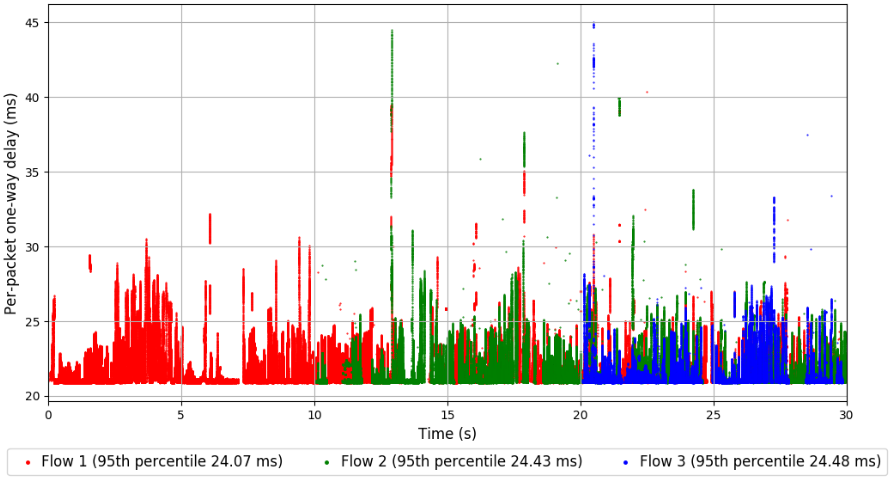




```
Run 9: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:02:44 +0000
End at: Sun, 09 Jul 2017 23:03:14 +0000
Local clock offset: 0.535 ms
Remote clock offset: -1.694 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:07 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 205.21 Mbit/s
95th percentile per-packet one-way delay: 24.216 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 129.99 Mbit/s
95th percentile per-packet one-way delay: 24.069 ms
Loss rate: 7.29%
-- Flow 2:
Average throughput: 80.50 Mbit/s
95th percentile per-packet one-way delay: 24.430 ms
Loss rate: 8.10%
-- Flow 3:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 24.477 ms
Loss rate: 7.59%
```

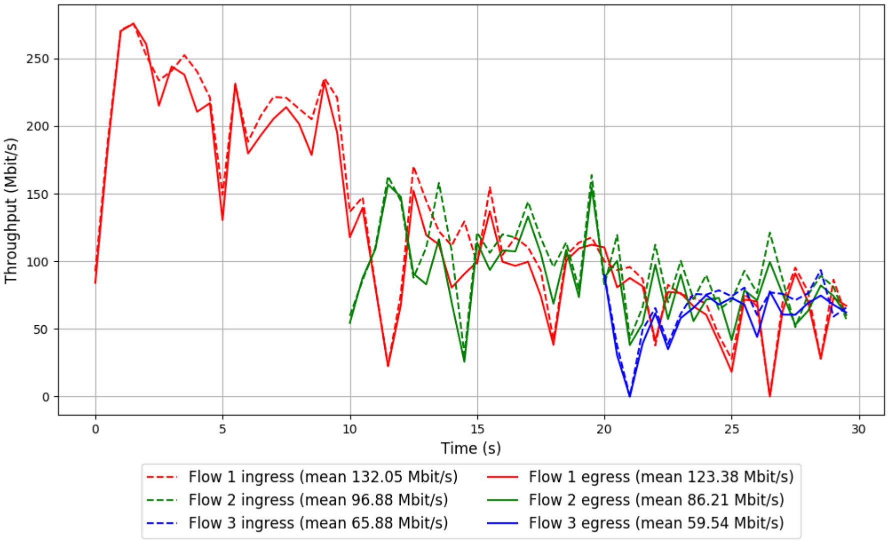
Run 9: Report of Verus — Data Link

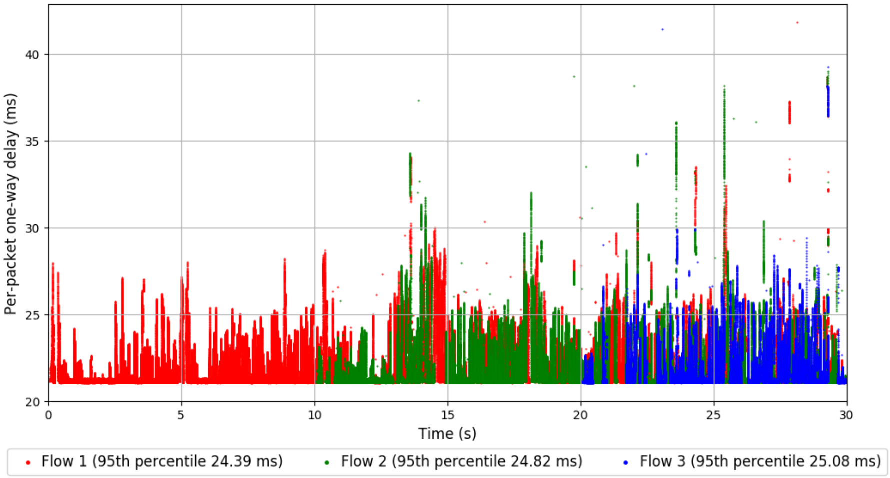




```
Run 10: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:23:28 +0000
End at: Sun, 09 Jul 2017 23:23:58 +0000
Local clock offset: 0.549 ms
Remote clock offset: -1.798 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.43 Mbit/s
95th percentile per-packet one-way delay: 24.598 ms
Loss rate: 8.18%
-- Flow 1:
Average throughput: 123.38 Mbit/s
95th percentile per-packet one-way delay: 24.394 ms
Loss rate: 6.57%
-- Flow 2:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 24.820 ms
Loss rate: 11.02%
-- Flow 3:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 25.083 ms
Loss rate: 9.63%
```

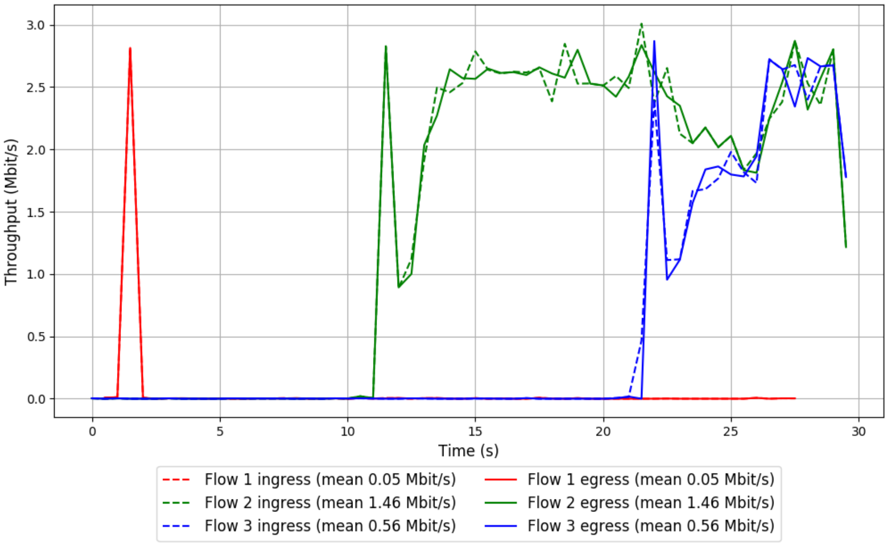
Run 10: Report of Verus — Data Link

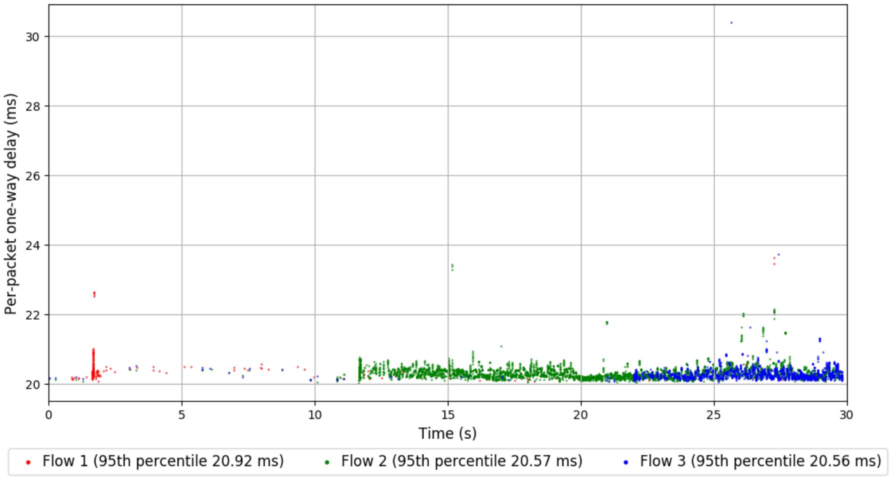




```
Run 1: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:12:35 +0000
End at: Sun, 09 Jul 2017 20:13:05 +0000
Local clock offset: 0.237 ms
Remote clock offset: -1.198 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 20.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 20.574 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20.562 ms
Loss rate: 0.00%
```

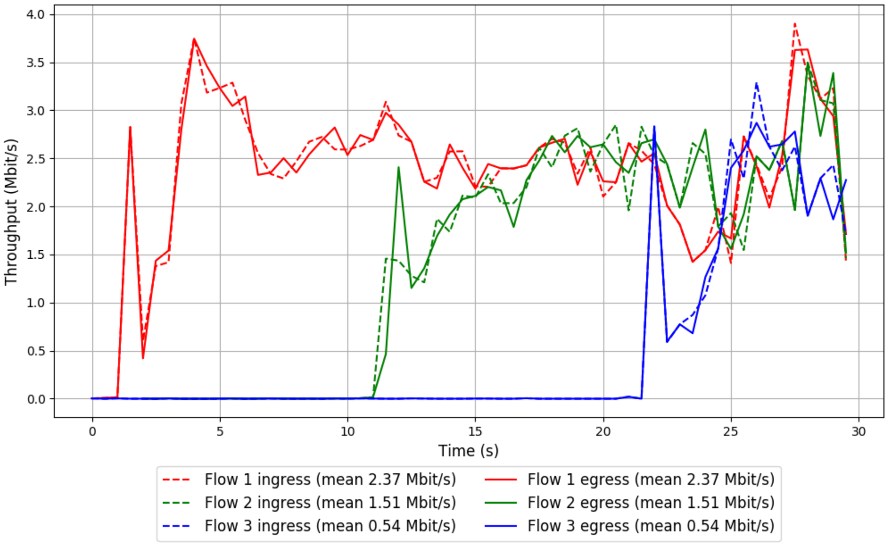
Run 1: Report of WebRTC media — Data Link

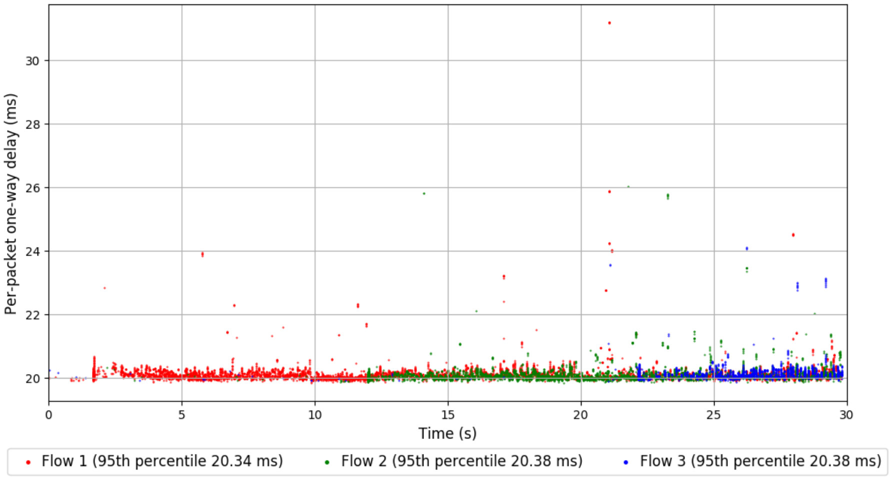




```
Run 2: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:33:40 +0000
End at: Sun, 09 Jul 2017 20:34:10 +0000
Local clock offset: 0.197 ms
Remote clock offset: -1.055 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 20.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 20.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 20.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 20.380 ms
Loss rate: 0.00%
```

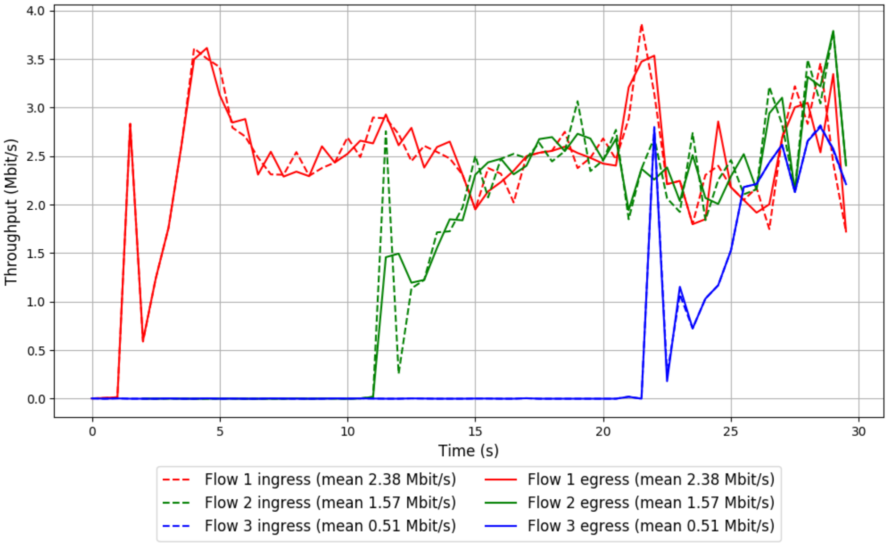
Run 2: Report of WebRTC media — Data Link

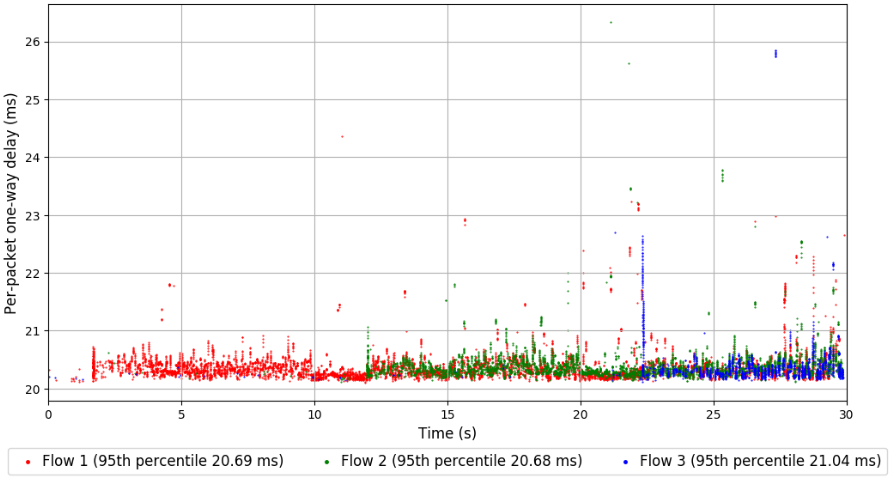




```
Run 3: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:54:44 +0000
End at: Sun, 09 Jul 2017 20:55:14 +0000
Local clock offset: 0.151 ms
Remote clock offset: -1.416 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 20.707 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 20.684 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 21.040 ms
Loss rate: 0.00%
```

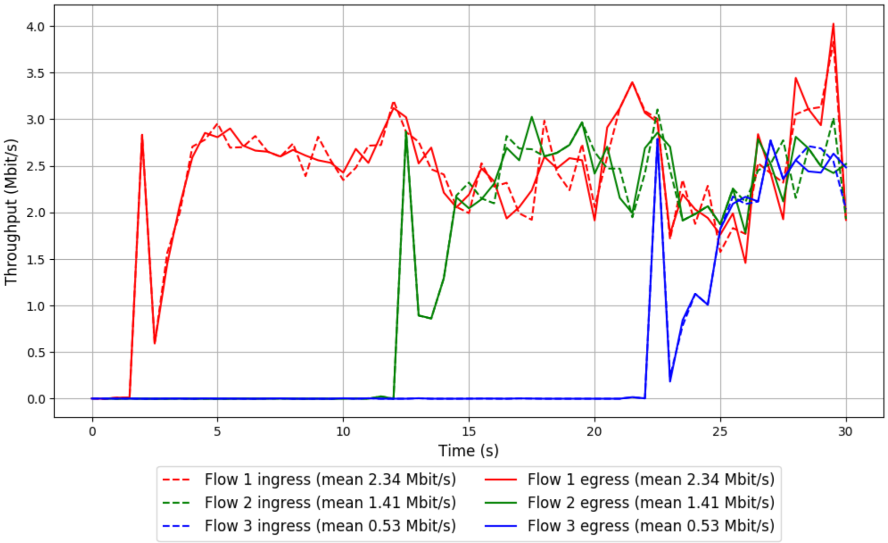
Run 3: Report of WebRTC media — Data Link

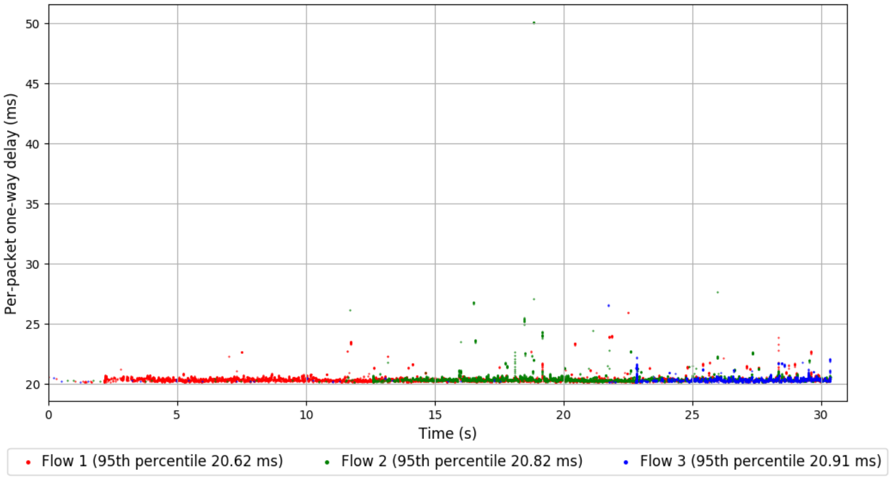




```
Run 4: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:15:35 +0000
End at: Sun, 09 Jul 2017 21:16:05 +0000
Local clock offset: 0.008 ms
Remote clock offset: -1.487 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 20.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 20.620 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 20.821 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 20.912 ms
Loss rate: 0.00%
```

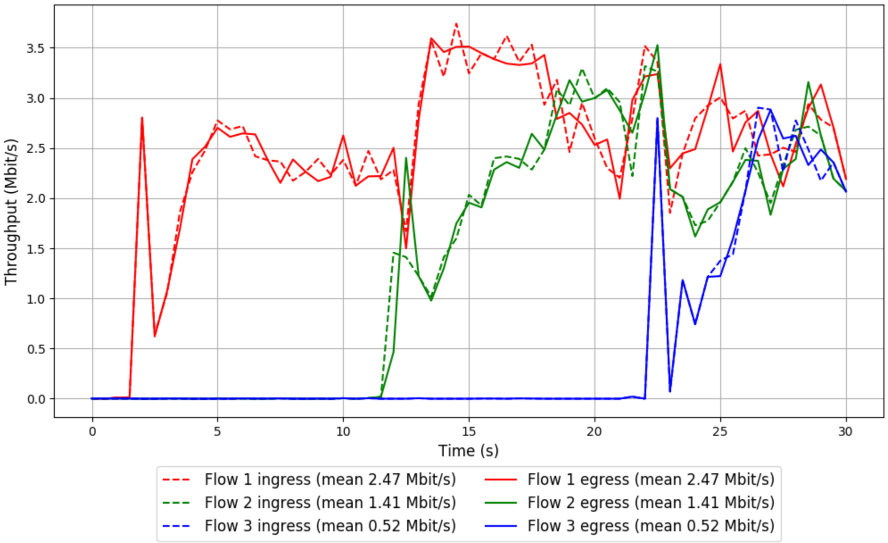
Run 4: Report of WebRTC media — Data Link

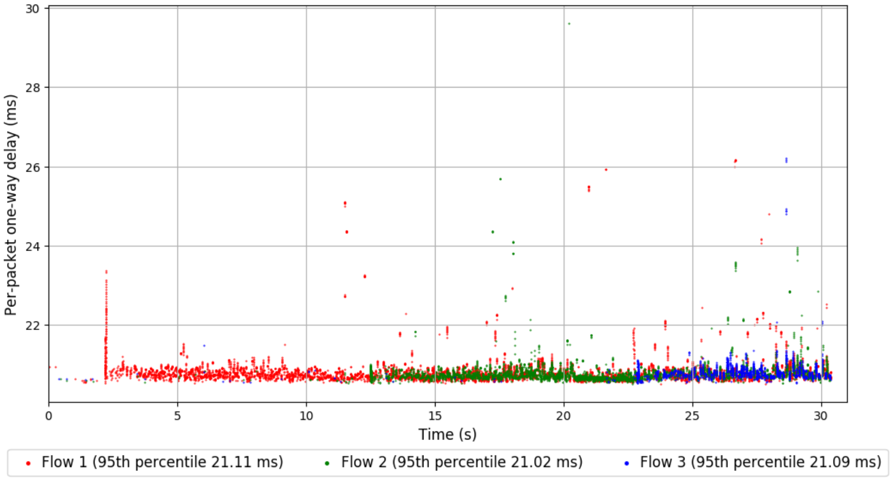




```
Run 5: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:36:26 +0000
End at: Sun, 09 Jul 2017 21:36:56 +0000
Local clock offset: 0.051 ms
Remote clock offset: -1.911 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 21.084 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 21.115 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 21.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 21.085 ms
Loss rate: 0.00%
```

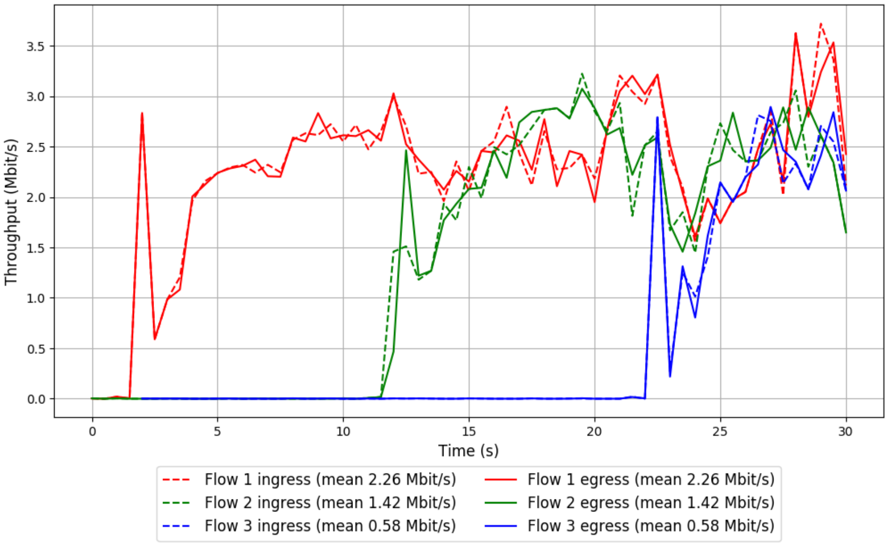
Run 5: Report of WebRTC media — Data Link

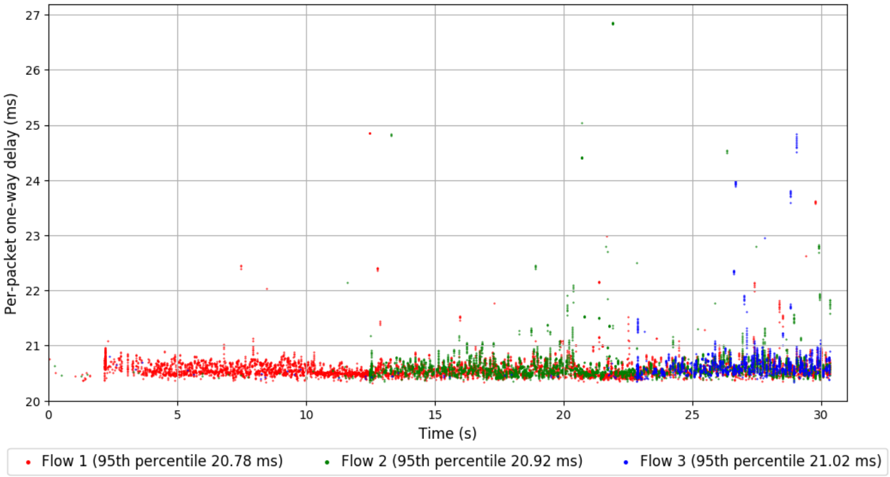




```
Run 6: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:57:14 +0000
End at: Sun, 09 Jul 2017 21:57:44 +0000
Local clock offset: -0.03 ms
Remote clock offset: -1.694 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 20.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 20.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 20.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 21.017 ms
Loss rate: 0.00%
```

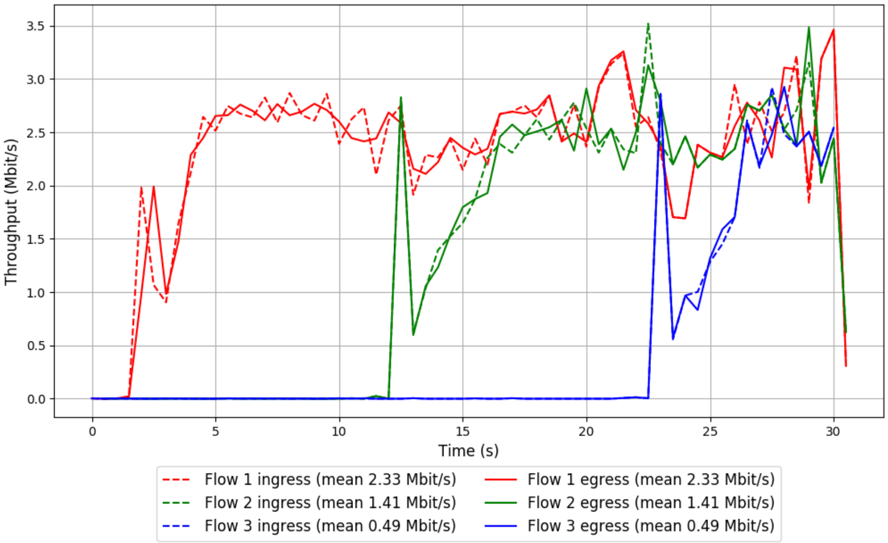
Run 6: Report of WebRTC media — Data Link

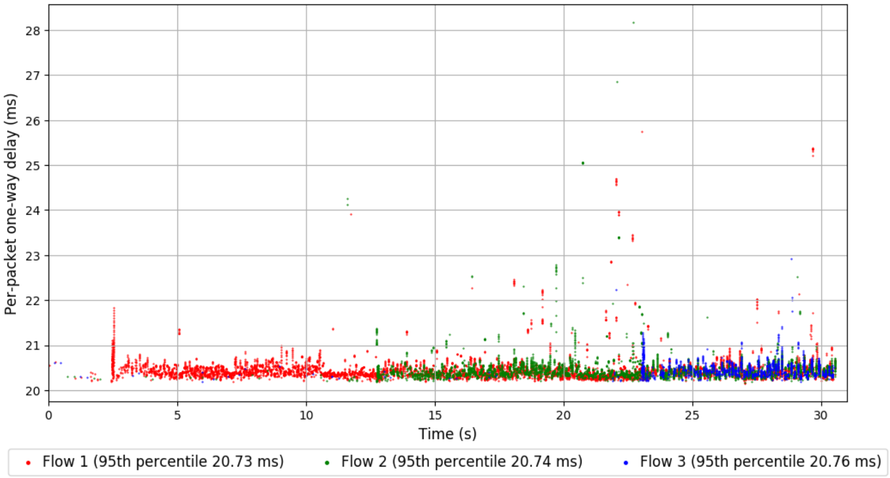




```
Run 7: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:17:46 +0000
End at: Sun, 09 Jul 2017 22:18:16 +0000
Local clock offset: 0.181 ms
Remote clock offset: -1.421 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 20.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 20.733 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 20.737 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 20.758 ms
Loss rate: 0.00%
```

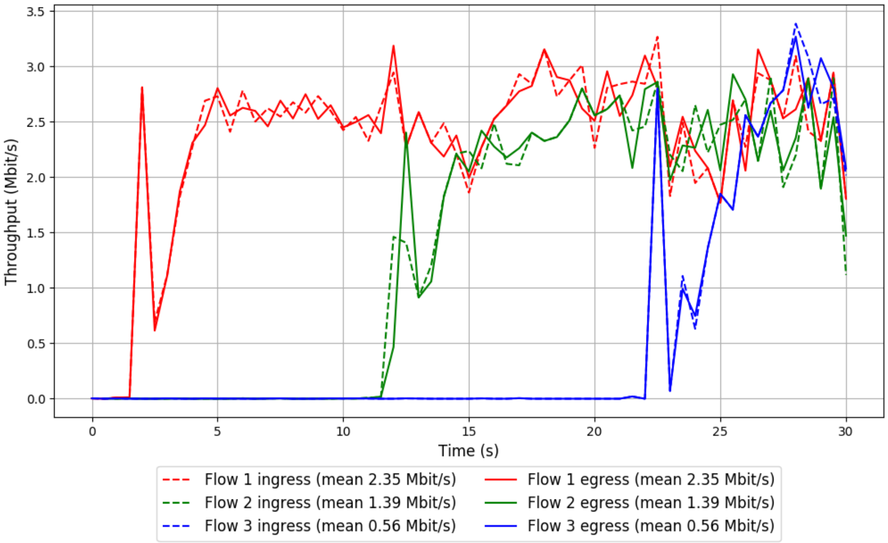
Run 7: Report of WebRTC media — Data Link

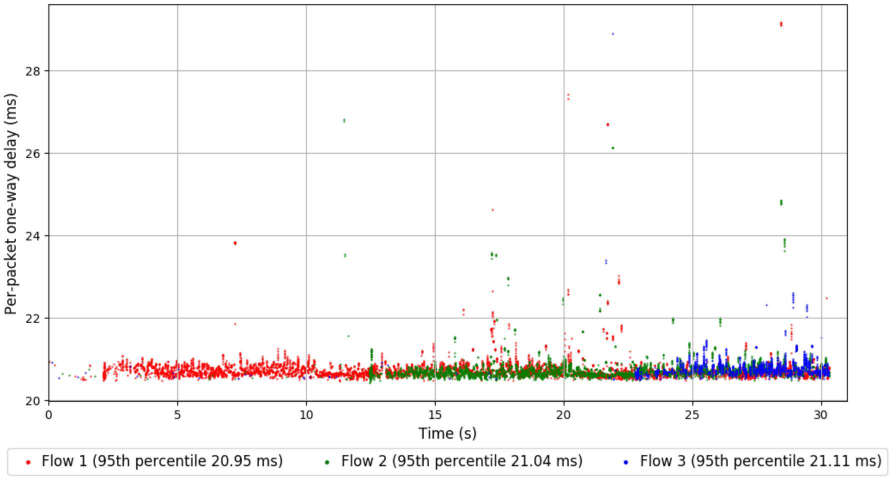




```
Run 8: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:38:29 +0000
End at: Sun, 09 Jul 2017 22:38:59 +0000
Local clock offset: 0.225 ms
Remote clock offset: -1.568 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 21.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 20.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 21.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 21.114 ms
Loss rate: 0.00%
```

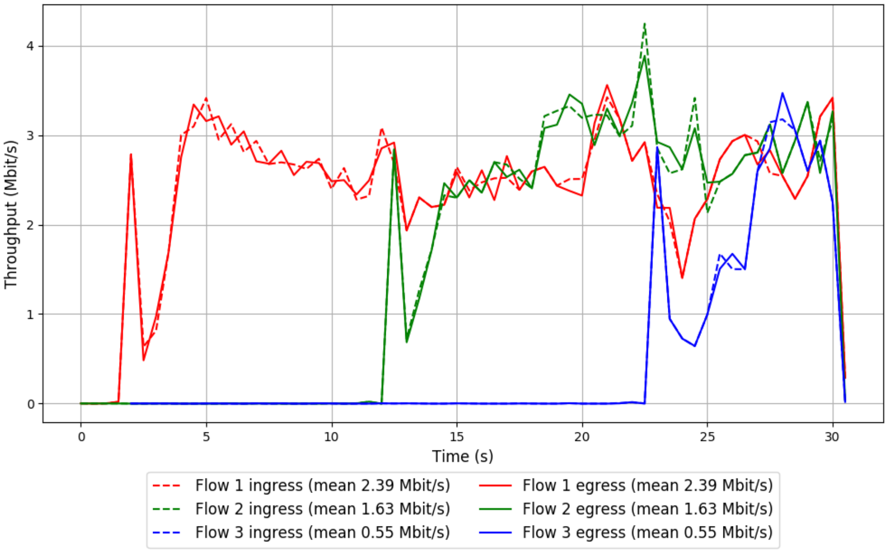
Run 8: Report of WebRTC media — Data Link

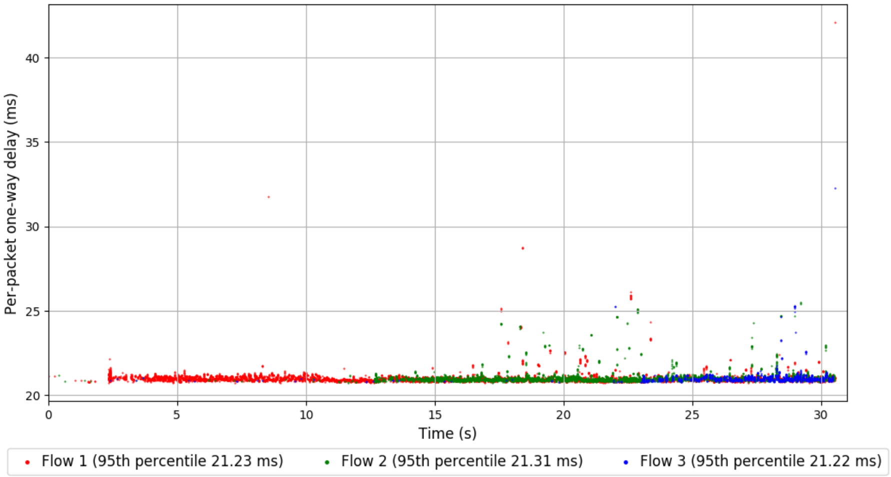




```
Run 9: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:59:09 +0000
End at: Sun, 09 Jul 2017 22:59:39 +0000
Local clock offset: 0.395 ms
Remote clock offset: -1.669 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 21.256 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 21.230 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 21.314 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 21.219 ms
Loss rate: 0.00%
```

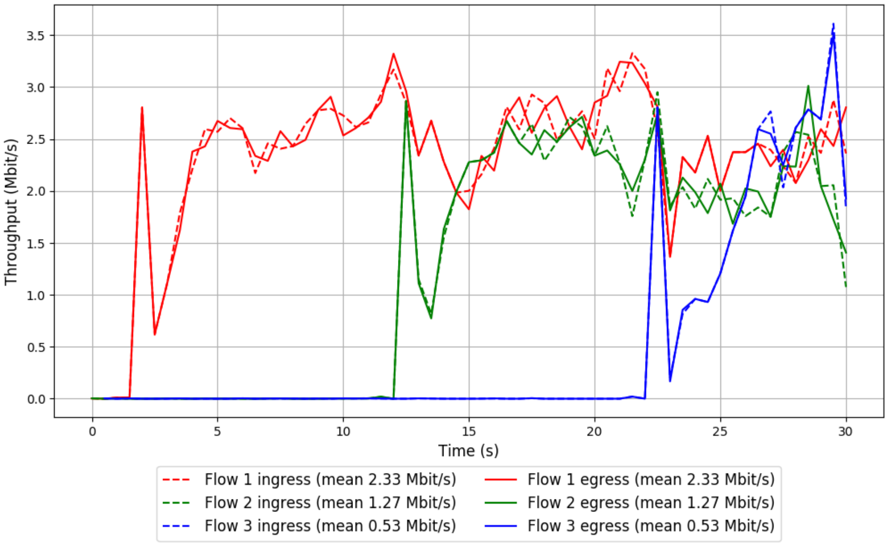
Run 9: Report of WebRTC media — Data Link



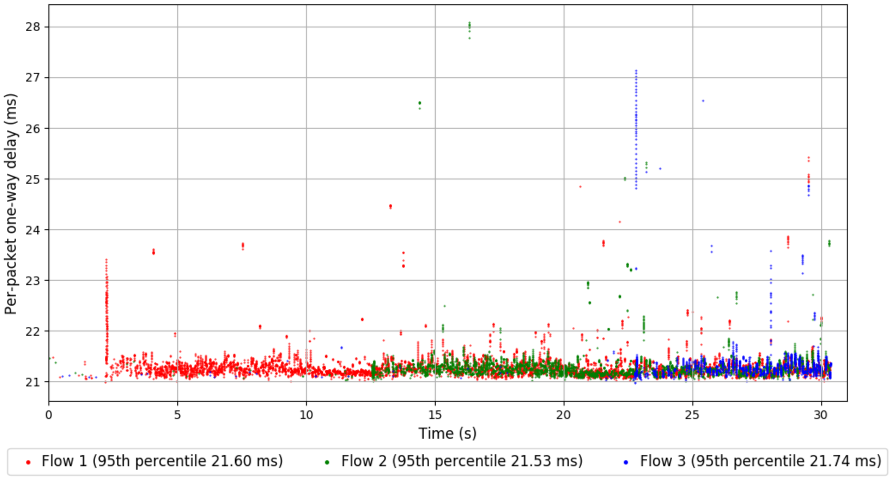


```
Run 10: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 23:19:53 +0000
End at: Sun, 09 Jul 2017 23:20:23 +0000
Local clock offset: 0.578 ms
Remote clock offset: -1.707 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 05:13:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 21.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 21.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 21.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 21.744 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



Throughput (Mbit/s)
Time (s)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
5
10
15
20
25
30
Flow 1 ingress (mean 2.33 Mbit/s)
Flow 2 ingress (mean 1.27 Mbit/s)
Flow 3 ingress (mean 0.53 Mbit/s)
Flow 1 egress (mean 2.33 Mbit/s)
Flow 2 egress (mean 1.27 Mbit/s)
Flow 3 egress (mean 0.53 Mbit/s)



Per-packet one-way delay (ms)
Time (s)
21
22
23
24
25
26
27
28
0
5
10
15
20
25
30
Flow 1 (95th percentile 21.60 ms)
Flow 2 (95th percentile 21.53 ms)
Flow 3 (95th percentile 21.74 ms)