Pantheon Summary (Generated at Mon, 10 Jul 2017 03:30:55 +0000 with pantheon version `c3610718e2bbac84102e8ac47b889a75d4392d79`)

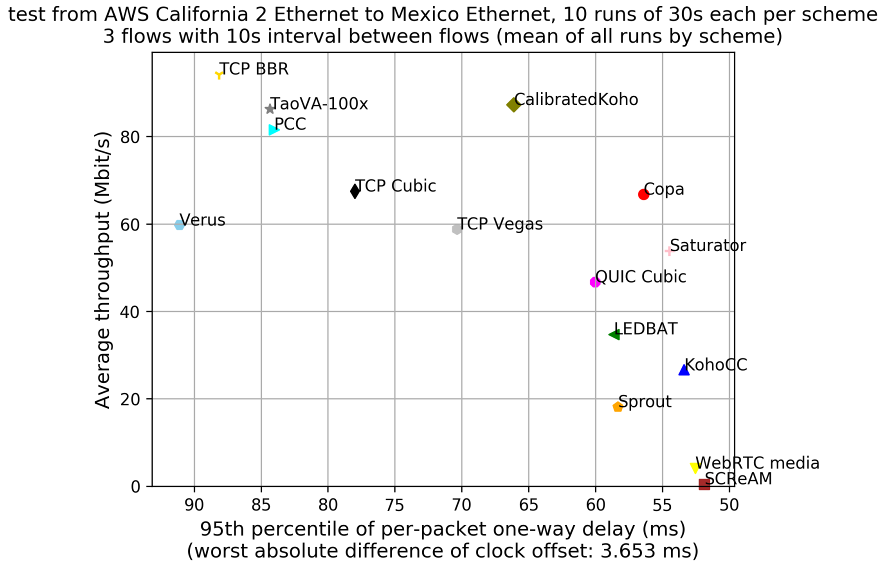
Repeated the test of 15 congestion control schemes 10 times.

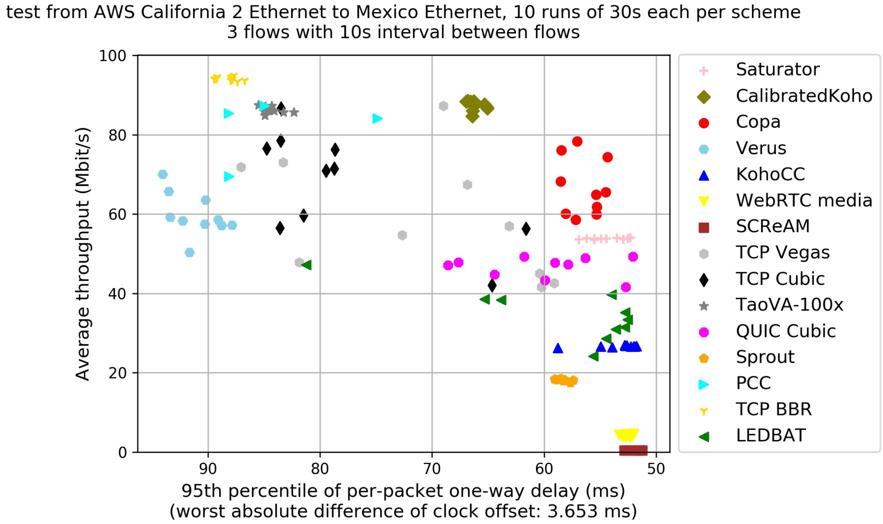
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** AWS California 2 Ethernet **to** Mexico 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 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)
Average throughput (Mbit/s)
0
20
40
60
80
95th percentile of per-packet one-way delay (ms)
(worst absolute difference of clock offset: 3.653 ms)
90
85
80
75
70
65
60
55
50
TCP BBR
TaoVA-100x
PCC
CalibratedKoho
TCP Cubic
Copa
Verus
TCP Vegas
Saturator
QUIC Cubic
LEDBAT
KohoCC
Sprout
WebRTC media
SCReAM


test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows
Average throughput (Mbit/s)
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20
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95th percentile of per-packet one-way delay (ms)
(worst absolute difference of clock offset: 3.653 ms)
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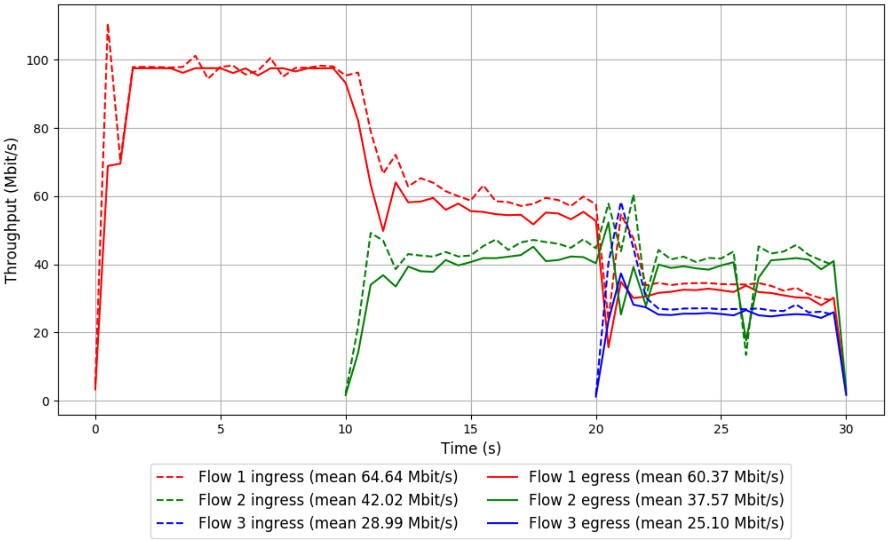
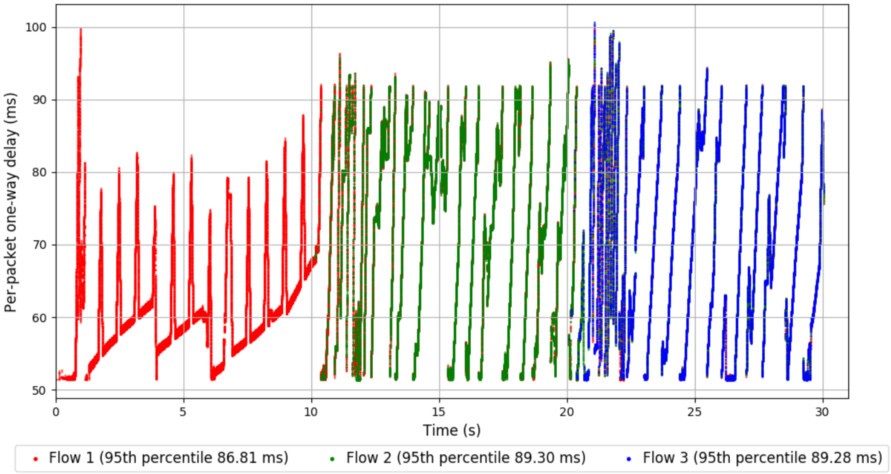
Copa
Verus
KohoCC
WebRTC media
SCReAM
TCP Vegas
TCP Cubic
TaoVA-100x
QUIC Cubic
Sprout
PCC
TCP BBR
LEDBAT

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean avg tput (Mbit/s) flow 2	mean avg tput (Mbit/s) flow 3	mean 95th-%ile delay (ms) flow 1	mean 95th-%ile delay (ms) flow 2	mean 95th-%ile delay (ms) flow 3	mean loss rate (%) flow 1	mean loss rate (%) flow 2	mean loss rate (%) flow 3
TCP BBR	10	62.56	31.13	32.89	87.21	89.17	89.35	7.02	10.85	13.82
CalibratedKoho	10	83.98	3.63	2.79	66.12	65.79	65.90	0.24	0.15	0.20
Copa	10	39.97	31.25	19.85	54.98	57.50	58.86	0.18	0.22	0.20
TCP Cubic	10	29.88	32.91	47.41	76.73	77.19	77.93	0.84	1.09	1.53
KohoCC	10	13.43	13.32	13.09	53.37	53.20	53.64	0.15	0.14	0.15
LEDBAT	10	19.92	16.32	12.22	58.21	58.95	59.25	0.14	0.17	0.25
PCC	10	72.20	28.41	17.81	1323.76	84.81	85.48	1.65	3.21	6.50
QUIC Cubic	10	57.70	54.74	57.45	58.03	62.20	57.99	0.23	0.37	0.27
Saturator	10	27.09	26.86	26.67	54.09	54.70	55.01	0.11	0.13	0.15
SCReAM	10	0.21	0.21	0.21	51.76	51.87	52.07	0.07	0.08	0.12
Sprout	10	9.11	9.16	8.90	57.97	58.40	59.06	0.24	0.27	0.36
TaoVA-100x	10	53.63	41.32	147.39	82.42	86.05	76.45	10.76	19.48	35.92
TCP Vegas	10	28.25	23.26	45.54	66.53	70.45	70.65	0.76	0.87	1.46
Verus	10	43.51	21.26	9.29	91.33	90.62	90.82	48.08	42.27	47.53
WebRTC media	10	2.41	1.29	0.47	52.46	52.64	52.98	0.09	0.03	0.11

```
Run 1: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:16:08 +0000
End at: Sun, 09 Jul 2017 20:16:38 +0000
Local clock offset: 0.552 ms
Remote clock offset: -2.491 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:20:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 87.978 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 60.37 Mbit/s
95th percentile per-packet one-way delay: 86.812 ms
Loss rate: 6.56%
-- Flow 2:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 89.301 ms
Loss rate: 10.63%
-- Flow 3:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 89.281 ms
Loss rate: 13.34%
```

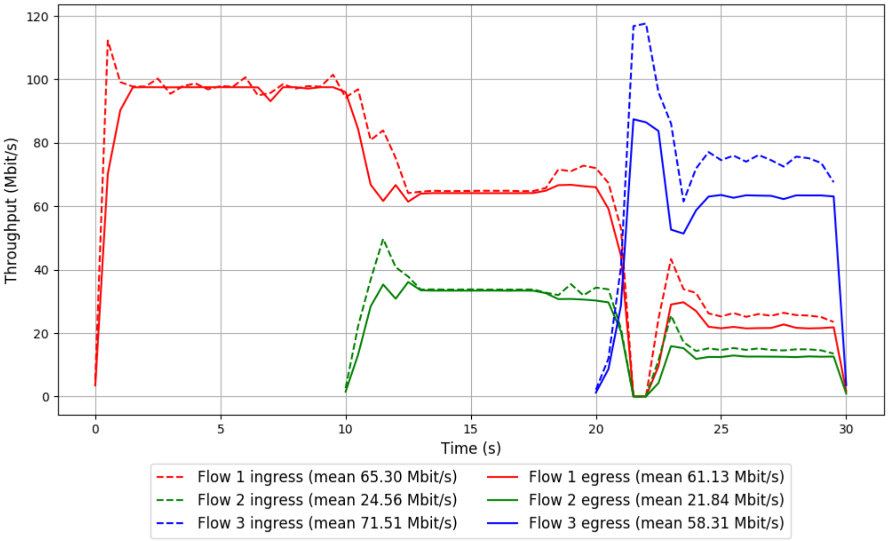
Run 1: Report of TCP BBR — Data Link

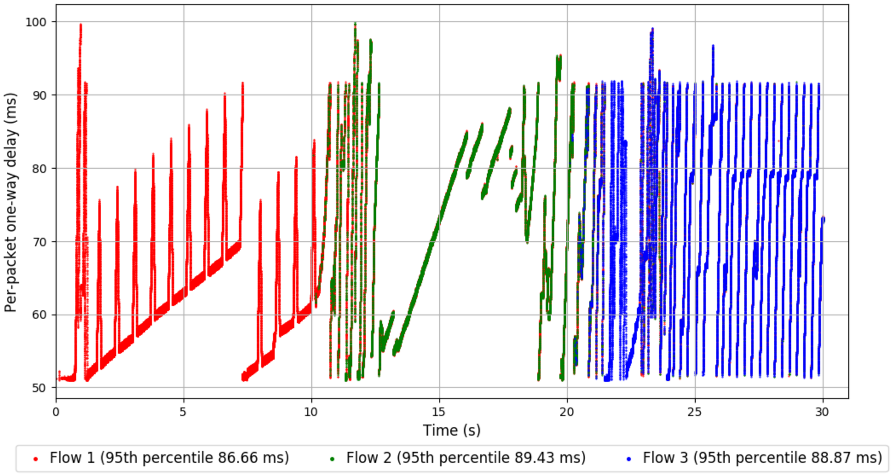




```
Run 2: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:36:39 +0000
End at: Sun, 09 Jul 2017 20:37:09 +0000
Local clock offset: 0.503 ms
Remote clock offset: -2.357 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:20:11 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 87.702 ms
Loss rate: 9.82%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 86.663 ms
Loss rate: 6.31%
-- Flow 2:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 89.432 ms
Loss rate: 11.10%
-- Flow 3:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 88.874 ms
Loss rate: 18.58%
```

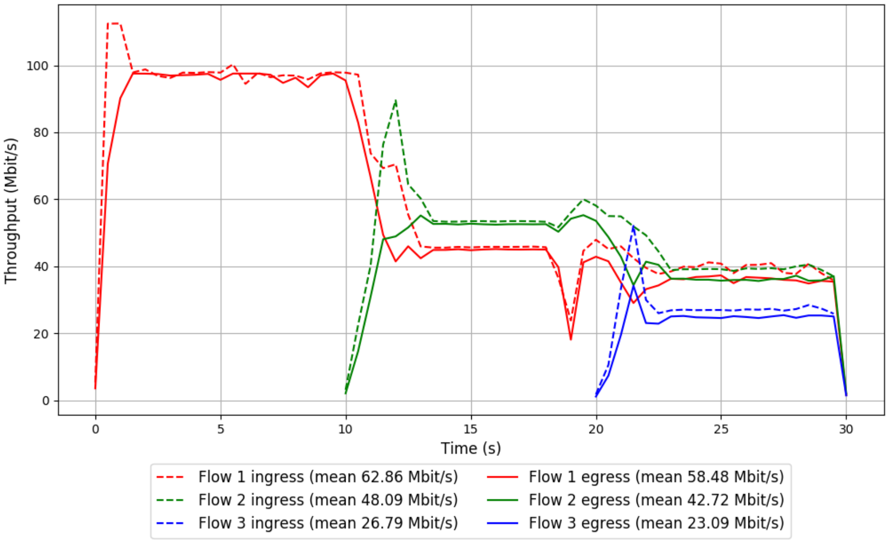
Run 2: Report of TCP BBR — Data Link

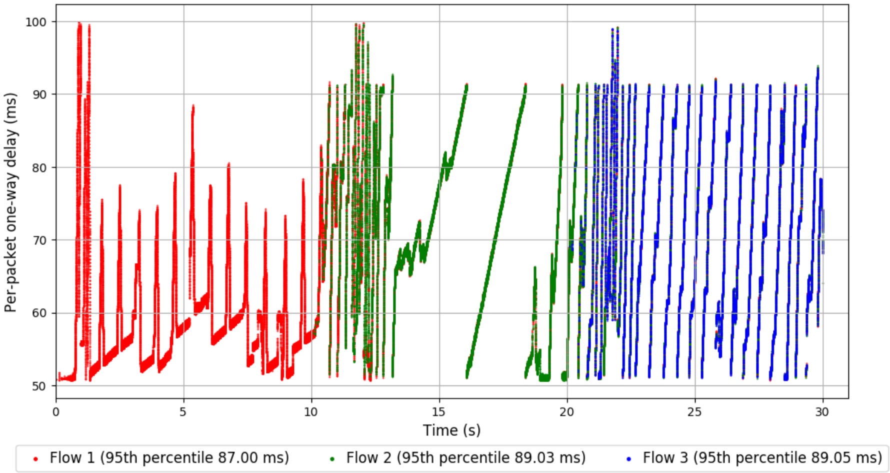




```
Run 3: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:57:16 +0000
End at: Sun, 09 Jul 2017 20:57:46 +0000
Local clock offset: 0.301 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:20:23 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 87.918 ms
Loss rate: 8.80%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 87.002 ms
Loss rate: 6.91%
-- Flow 2:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 89.025 ms
Loss rate: 11.13%
-- Flow 3:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 89.051 ms
Loss rate: 13.80%
```

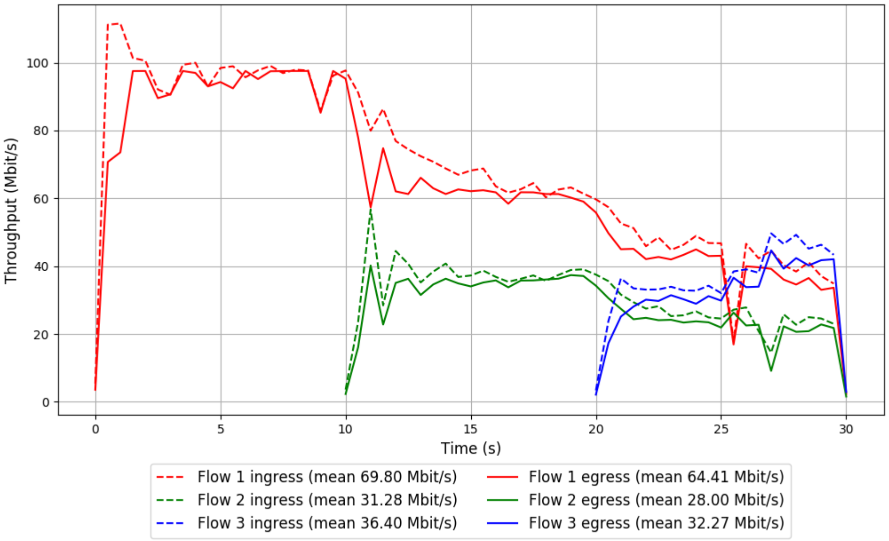
Run 3: Report of TCP BBR — Data Link

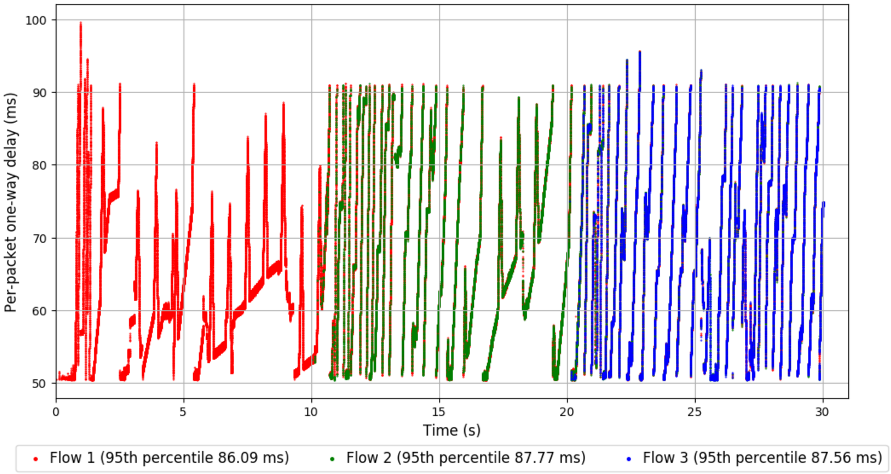




```
Run 4: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:18:21 +0000
End at: Sun, 09 Jul 2017 21:18:51 +0000
Local clock offset: 0.273 ms
Remote clock offset: 0.143 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:20:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 86.736 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 86.092 ms
Loss rate: 7.66%
-- Flow 2:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 87.774 ms
Loss rate: 10.38%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 87.560 ms
Loss rate: 11.51%
```

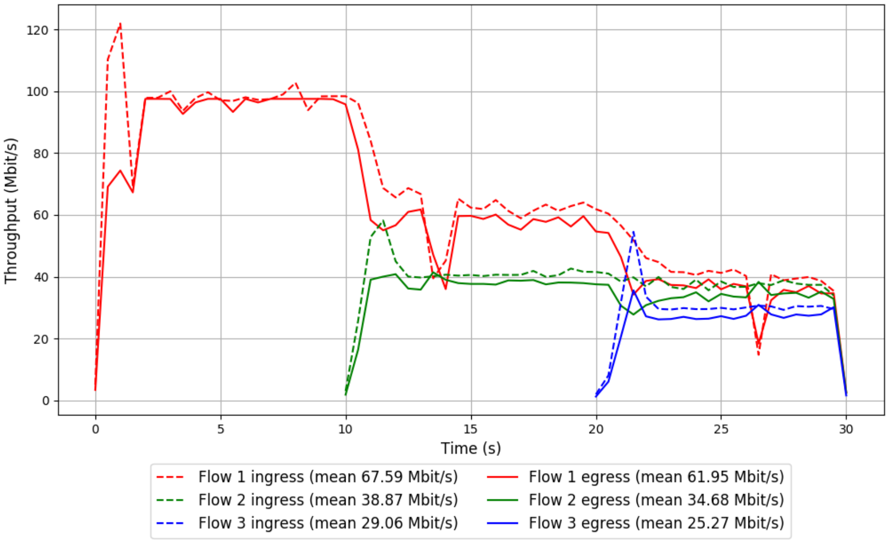
Run 4: Report of TCP BBR — Data Link

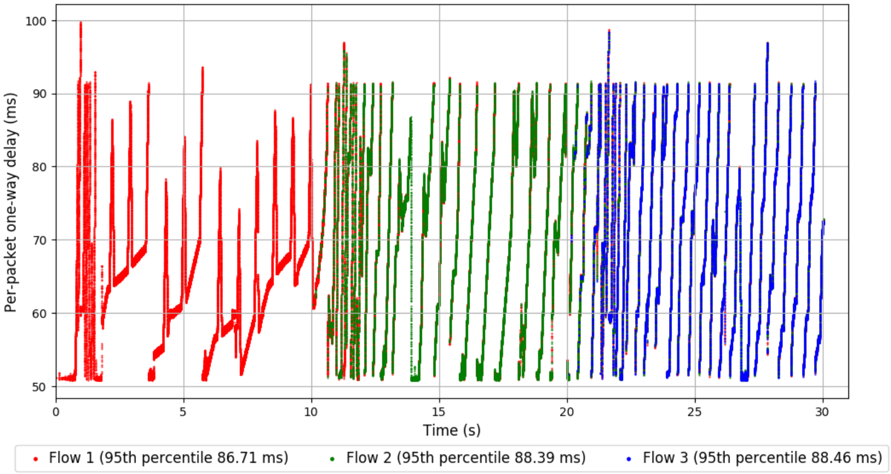




```
Run 5: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:39:15 +0000
End at: Sun, 09 Jul 2017 21:39:45 +0000
Local clock offset: 0.207 ms
Remote clock offset: -0.214 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:20:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 87.382 ms
Loss rate: 9.33%
-- Flow 1:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 86.710 ms
Loss rate: 8.29%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 88.392 ms
Loss rate: 10.72%
-- Flow 3:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 88.456 ms
Loss rate: 12.88%
```

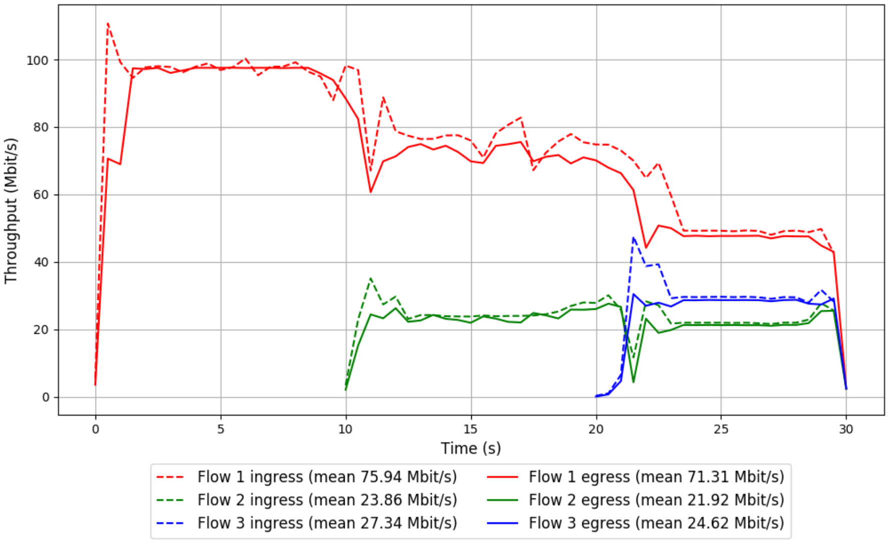
Run 5: Report of TCP BBR — Data Link

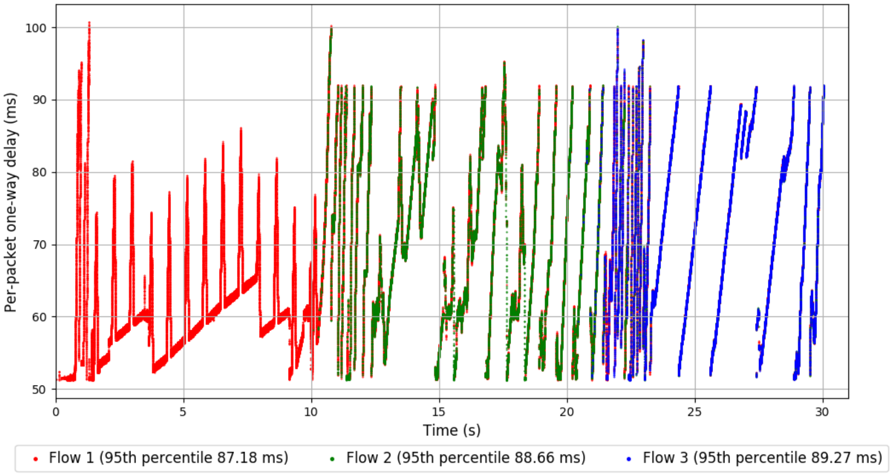




```
Run 6: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:59:50 +0000
End at: Sun, 09 Jul 2017 22:00:20 +0000
Local clock offset: 0.225 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:20:37 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 87.804 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 71.31 Mbit/s
95th percentile per-packet one-way delay: 87.181 ms
Loss rate: 6.05%
-- Flow 2:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 88.658 ms
Loss rate: 8.03%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 89.271 ms
Loss rate: 10.13%
```

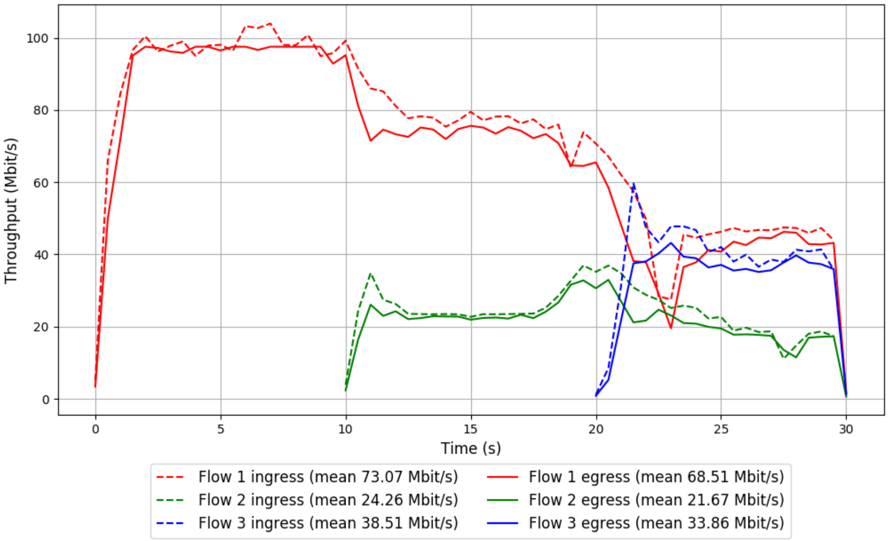
Run 6: Report of TCP BBR — Data Link

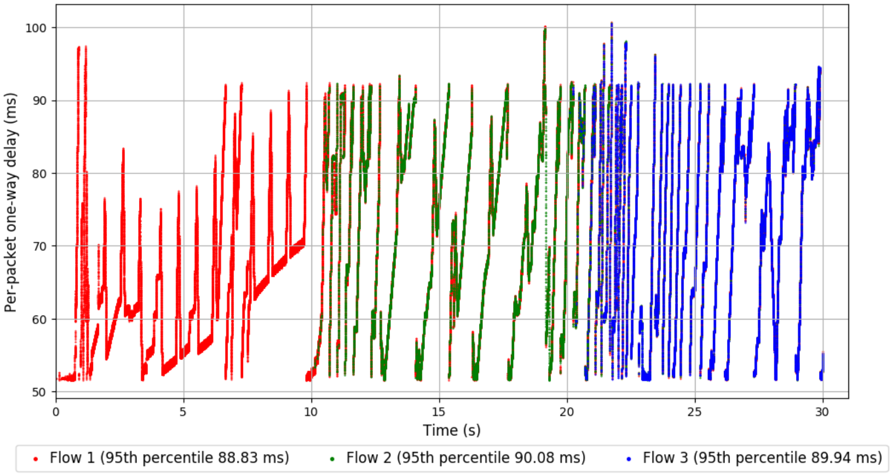




```
Run 7: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:20:38 +0000
End at: Sun, 09 Jul 2017 22:21:08 +0000
Local clock offset: 0.293 ms
Remote clock offset: -2.942 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:20:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 89.256 ms
Loss rate: 7.72%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 88.831 ms
Loss rate: 6.23%
-- Flow 2:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 90.080 ms
Loss rate: 10.66%
-- Flow 3:
Average throughput: 33.86 Mbit/s
95th percentile per-packet one-way delay: 89.936 ms
Loss rate: 12.53%
```

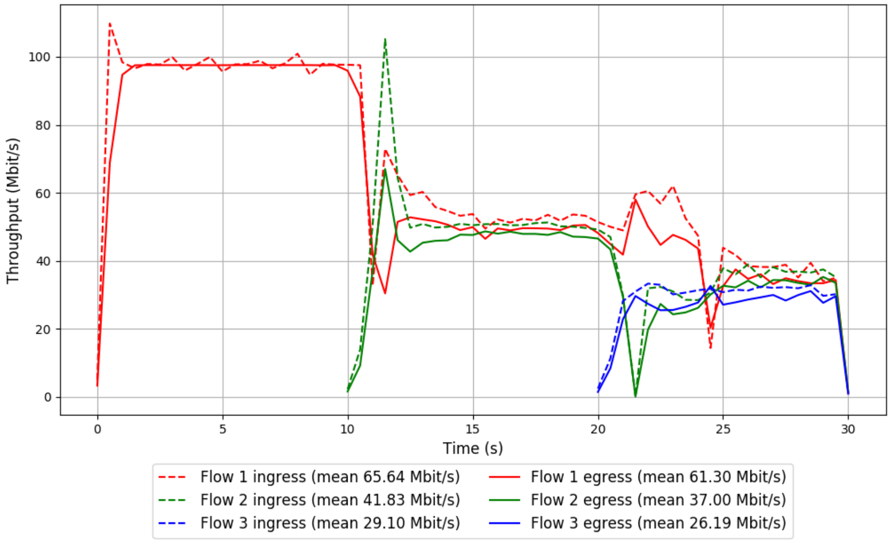
Run 7: Report of TCP BBR — Data Link

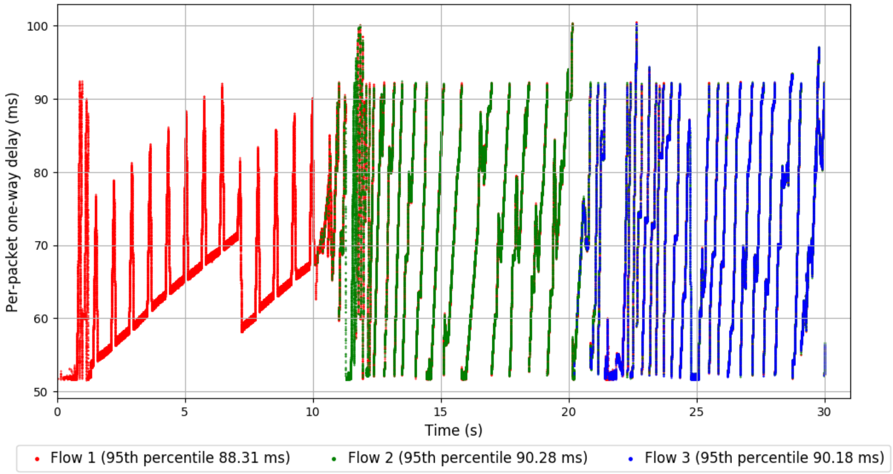




```
Run 8: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:41:30 +0000
End at: Sun, 09 Jul 2017 22:42:00 +0000
Local clock offset: 0.476 ms
Remote clock offset: -0.476 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:20:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 89.178 ms
Loss rate: 8.33%
-- Flow 1:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 88.310 ms
Loss rate: 6.62%
-- Flow 2:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 90.279 ms
Loss rate: 11.67%
-- Flow 3:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 90.176 ms
Loss rate: 10.38%
```

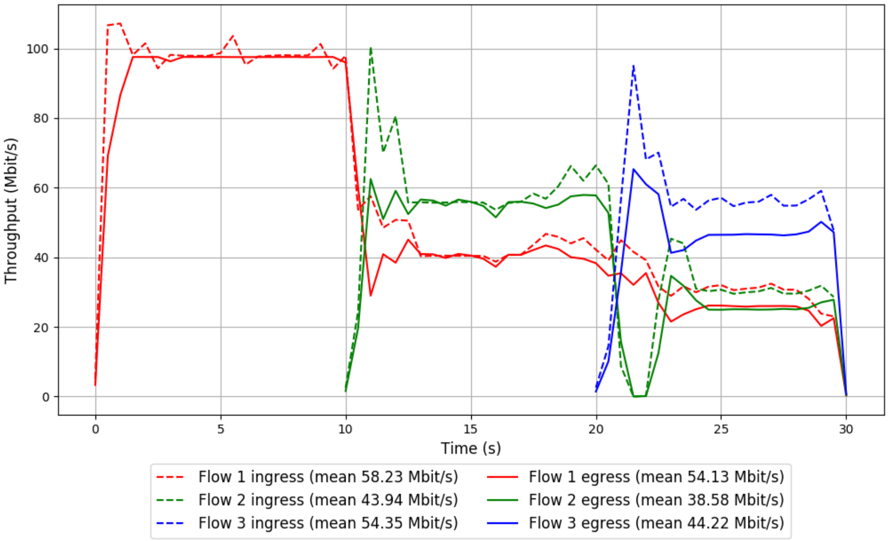
Run 8: Report of TCP BBR — Data Link

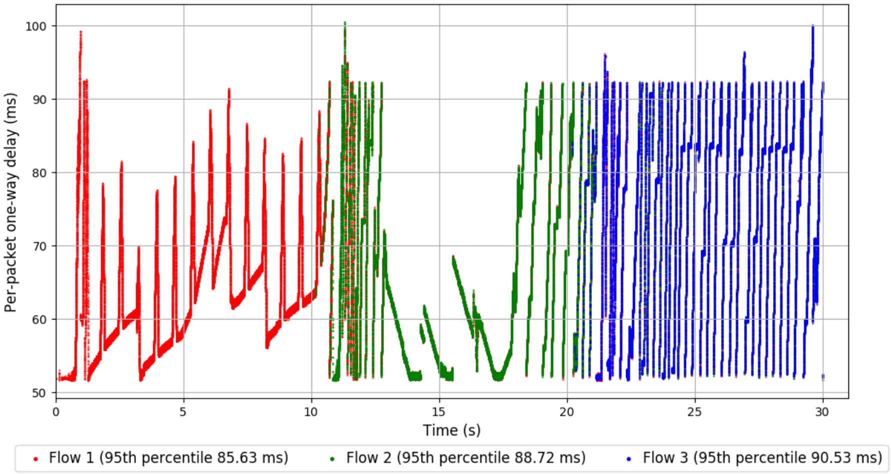




```
Run 9: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:02:01 +0000
End at: Sun, 09 Jul 2017 23:02:31 +0000
Local clock offset: 0.568 ms
Remote clock offset: -0.977 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 87.931 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 85.628 ms
Loss rate: 7.05%
-- Flow 2:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 88.719 ms
Loss rate: 12.25%
-- Flow 3:
Average throughput: 44.22 Mbit/s
95th percentile per-packet one-way delay: 90.531 ms
Loss rate: 18.96%
```

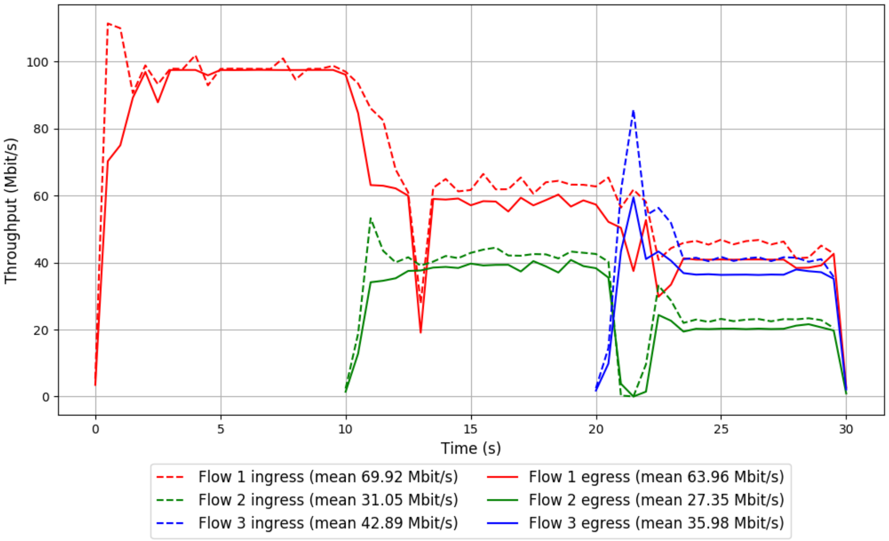
Run 9: Report of TCP BBR — Data Link

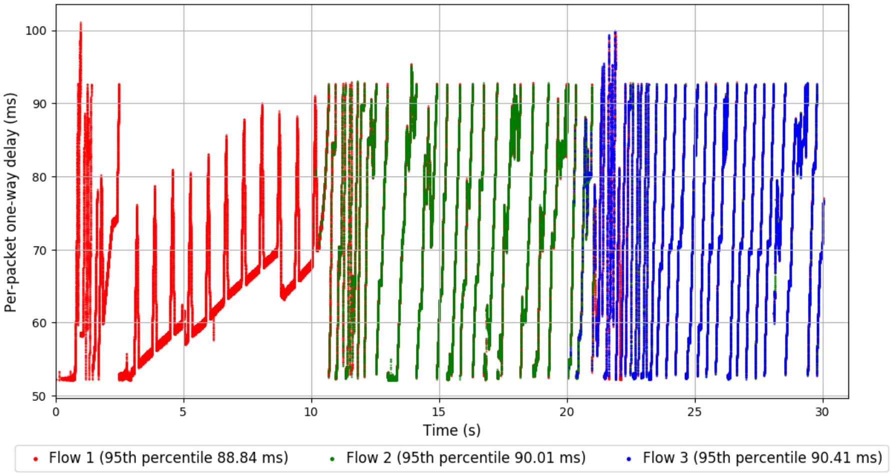




```
Run 10: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:22:30 +0000
End at: Sun, 09 Jul 2017 23:23:00 +0000
Local clock offset: 0.563 ms
Remote clock offset: -0.787 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 89.441 ms
Loss rate: 10.22%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 88.843 ms
Loss rate: 8.52%
-- Flow 2:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 90.007 ms
Loss rate: 11.93%
-- Flow 3:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 90.406 ms
Loss rate: 16.10%
```

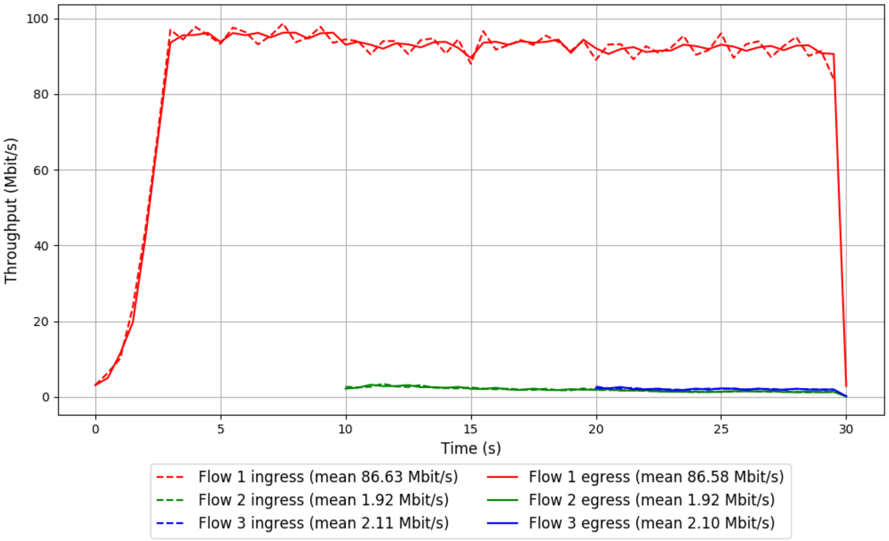
Run 10: Report of TCP BBR — Data Link

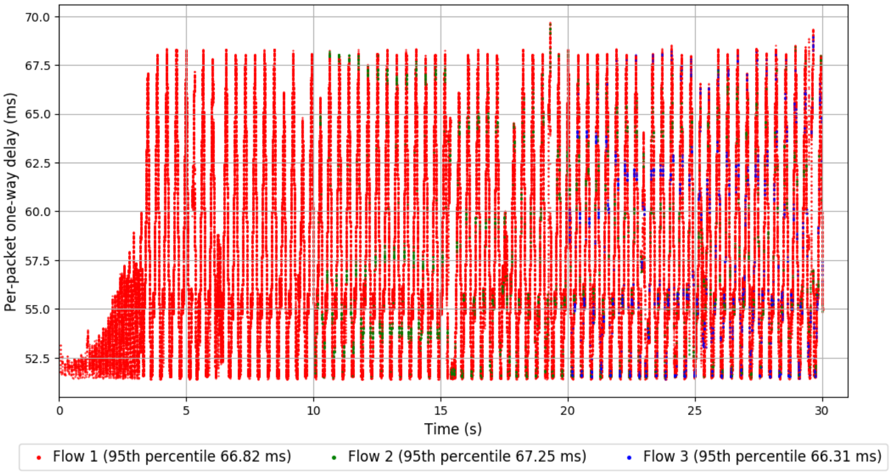




```
Run 1: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:06:34 +0000
End at: Sun, 09 Jul 2017 20:07:04 +0000
Local clock offset: 0.713 ms
Remote clock offset: -2.55 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:16 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 66.826 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 66.819 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 67.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 66.309 ms
Loss rate: 0.17%
```

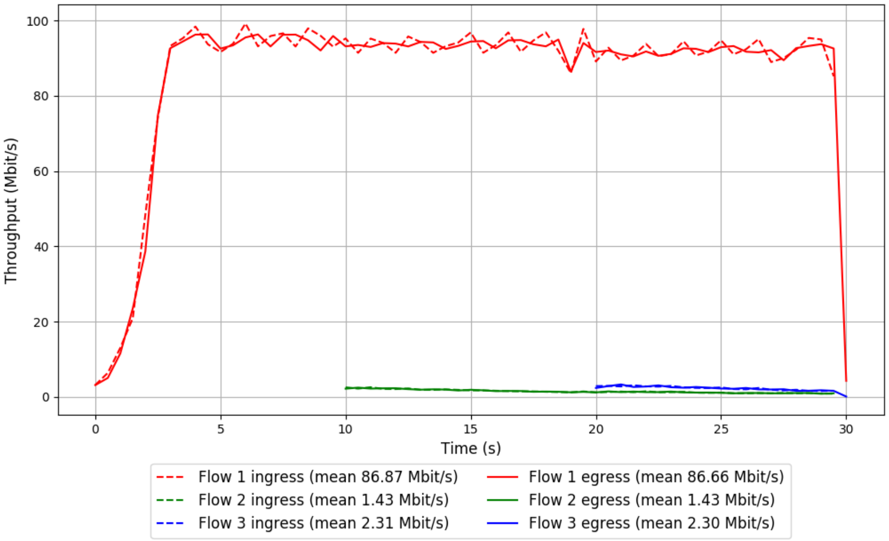
Run 1: Report of CalibratedKoho — Data Link

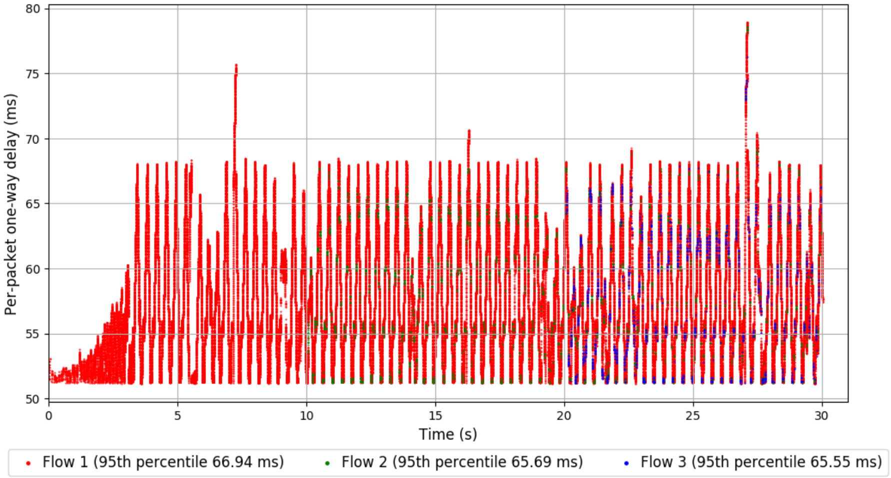




```
Run 2: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:27:01 +0000
End at: Sun, 09 Jul 2017 20:27:31 +0000
Local clock offset: 0.459 ms
Remote clock offset: -0.403 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:16 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 66.933 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 66.944 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 65.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 65.553 ms
Loss rate: 0.42%
```

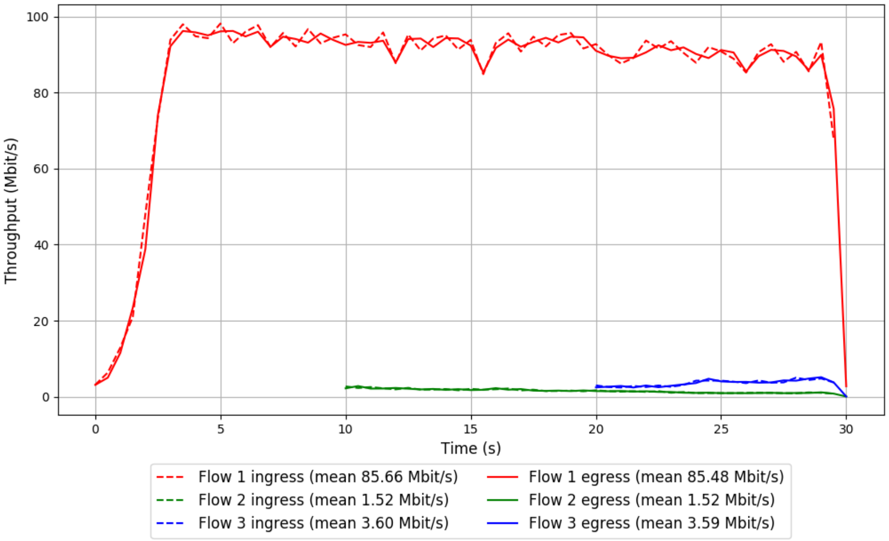
Run 2: Report of CalibratedKoho — Data Link

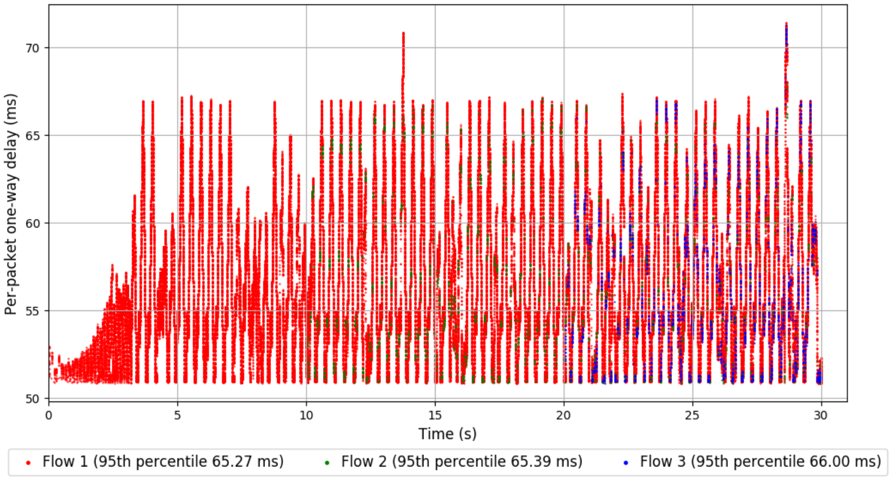




```
Run 3: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:47:34 +0000
End at: Sun, 09 Jul 2017 20:48:04 +0000
Local clock offset: 0.379 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.68 Mbit/s
95th percentile per-packet one-way delay: 65.325 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 65.268 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 65.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 65.996 ms
Loss rate: 0.17%
```

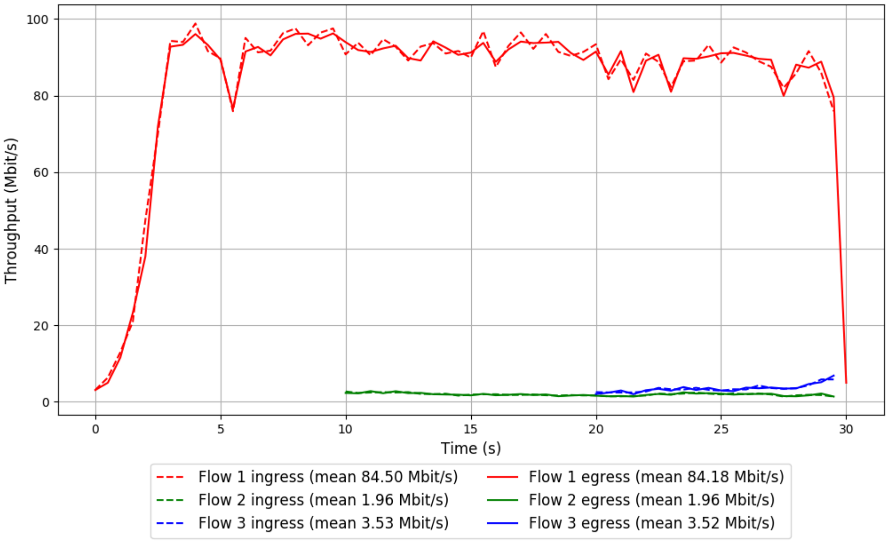
Run 3: Report of CalibratedKoho — Data Link

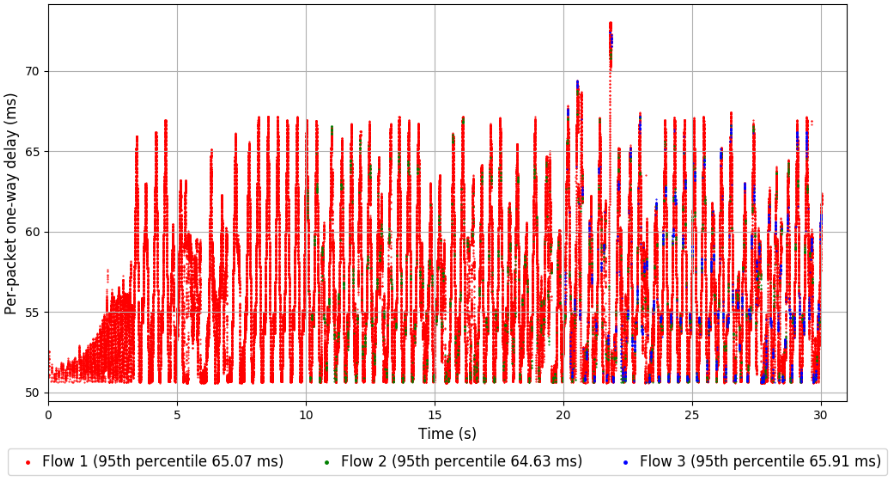




```
Run 4: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:08:16 +0000
End at: Sun, 09 Jul 2017 21:08:46 +0000
Local clock offset: 0.229 ms
Remote clock offset: 0.492 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:29 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 65.077 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 65.066 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 64.633 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 65.908 ms
Loss rate: 0.14%
```

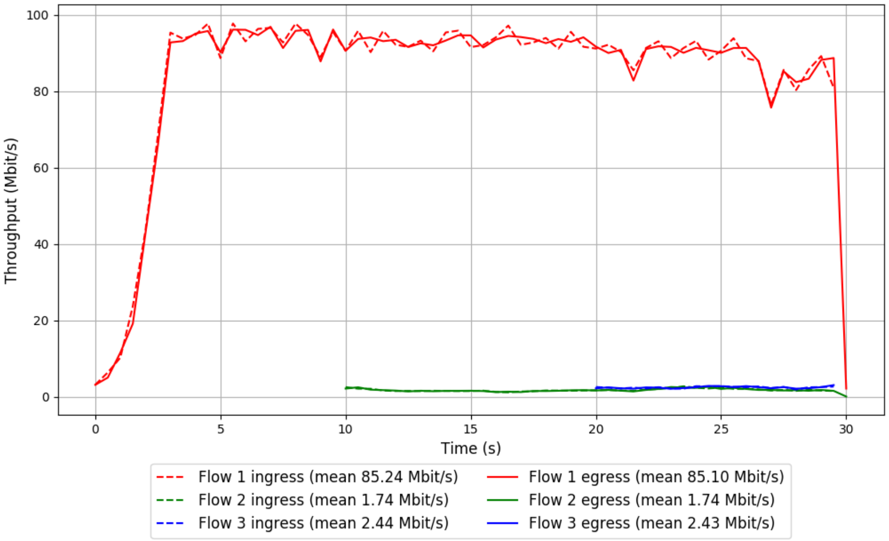
Run 4: Report of CalibratedKoho — Data Link

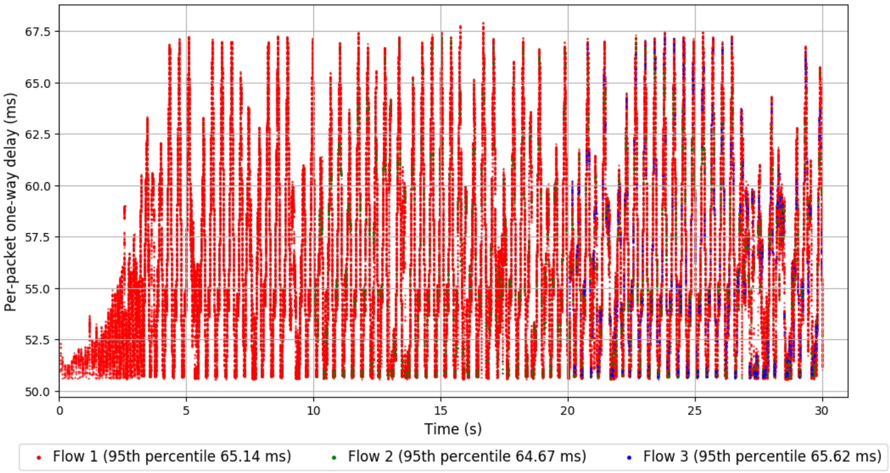




```
Run 5: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:29:16 +0000
End at: Sun, 09 Jul 2017 21:29:46 +0000
Local clock offset: 0.152 ms
Remote clock offset: -2.173 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:40 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 65.145 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 65.144 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 64.667 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 65.624 ms
Loss rate: 0.20%
```

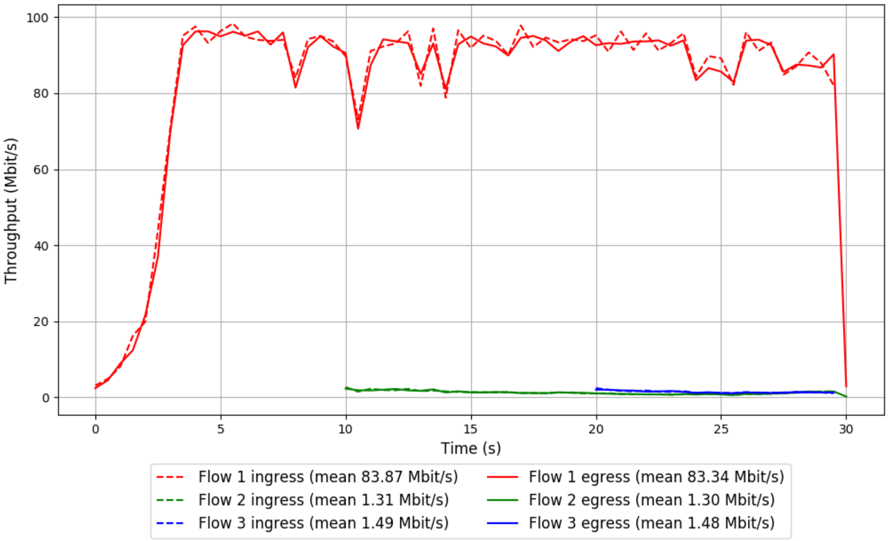
Run 5: Report of CalibratedKoho — Data Link

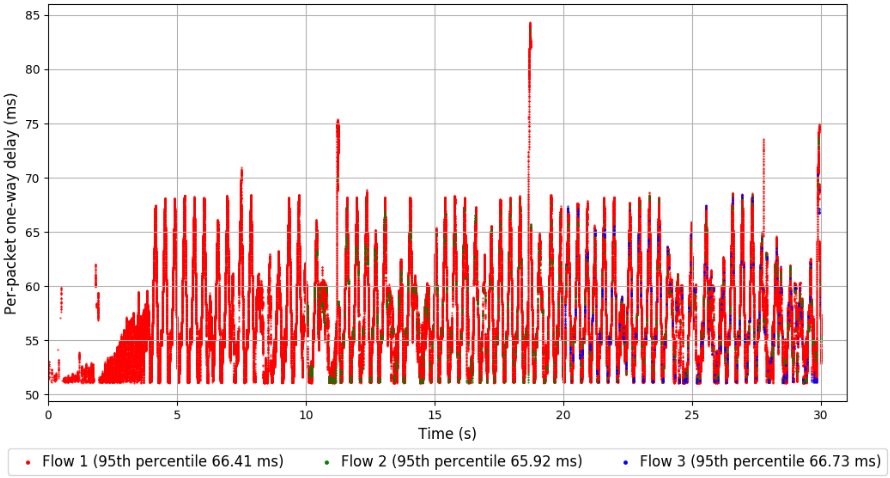




```
Run 6: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:50:08 +0000
End at: Sun, 09 Jul 2017 21:50:38 +0000
Local clock offset: 0.235 ms
Remote clock offset: -0.488 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 66.414 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 66.414 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 65.923 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 66.733 ms
Loss rate: 0.57%
```

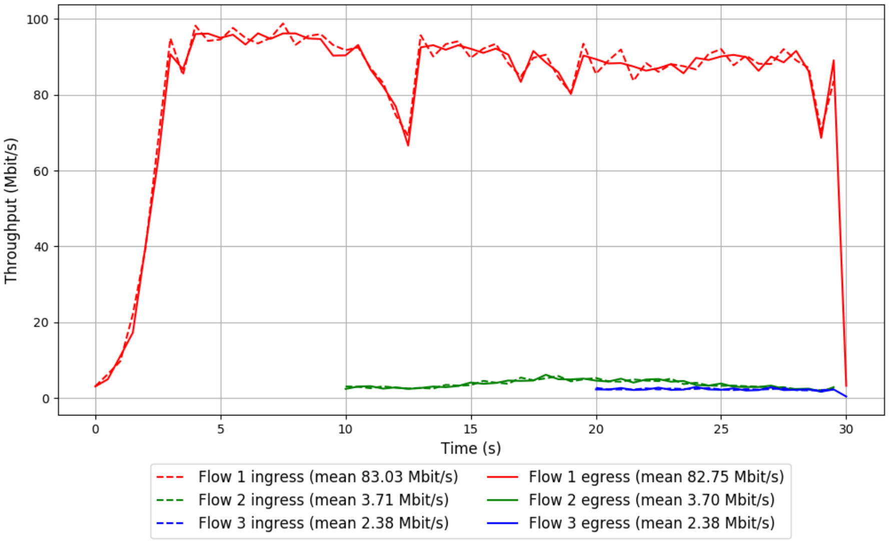
Run 6: Report of CalibratedKoho — Data Link

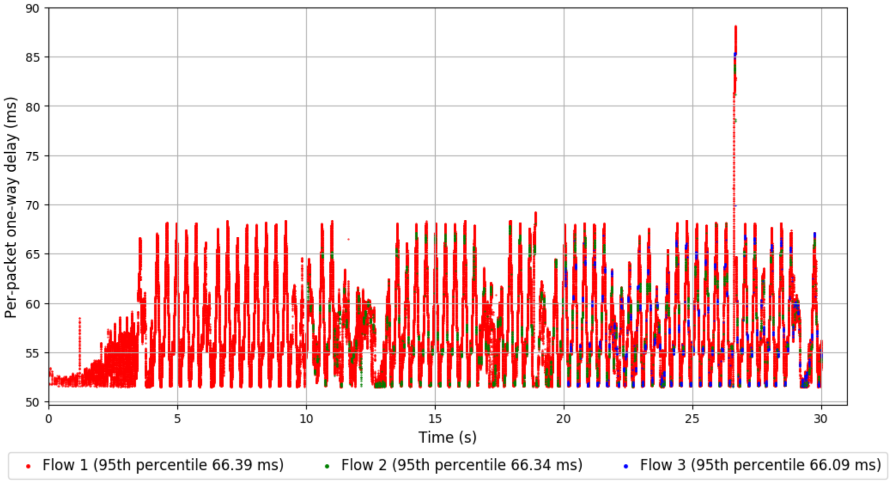




```
Run 7: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:10:48 +0000
End at: Sun, 09 Jul 2017 22:11:18 +0000
Local clock offset: 0.255 ms
Remote clock offset: -0.817 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:52 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 66.381 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 66.387 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 66.336 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 66.094 ms
Loss rate: 0.15%
```

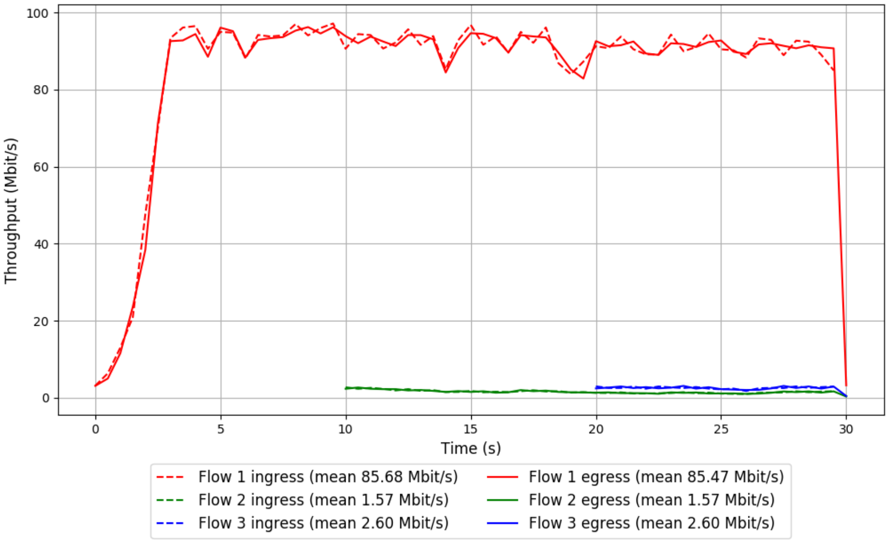
Run 7: Report of CalibratedKoho — Data Link

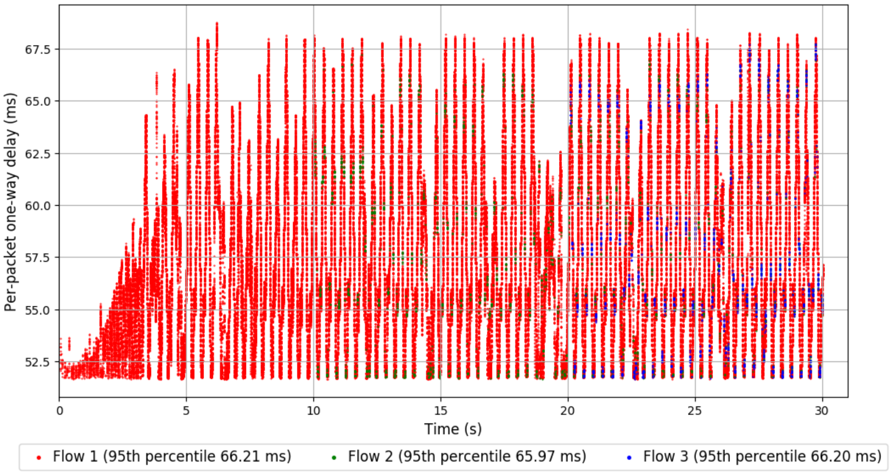




```
Run 8: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:31:52 +0000
End at: Sun, 09 Jul 2017 22:32:22 +0000
Local clock offset: 0.322 ms
Remote clock offset: -0.578 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:21:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 66.204 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.47 Mbit/s
95th percentile per-packet one-way delay: 66.208 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 65.970 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 66.201 ms
Loss rate: 0.00%
```

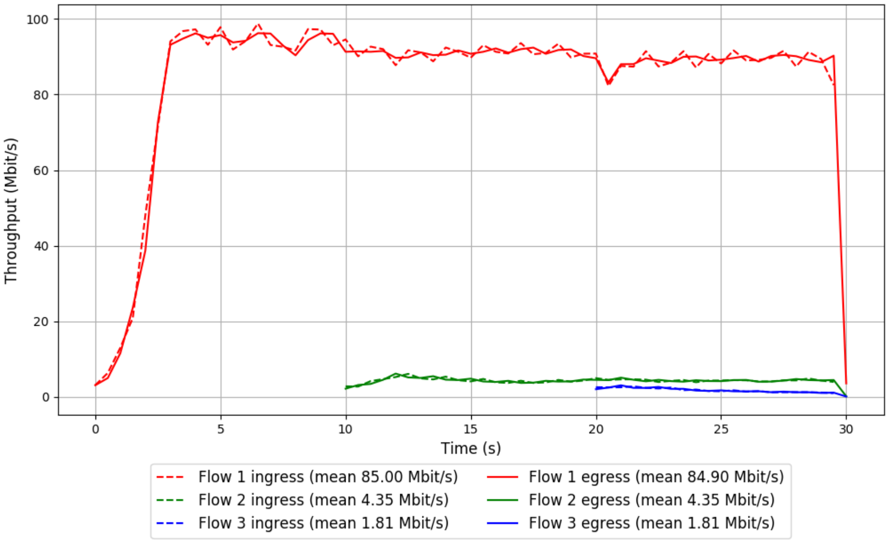
Run 8: Report of CalibratedKoho — Data Link

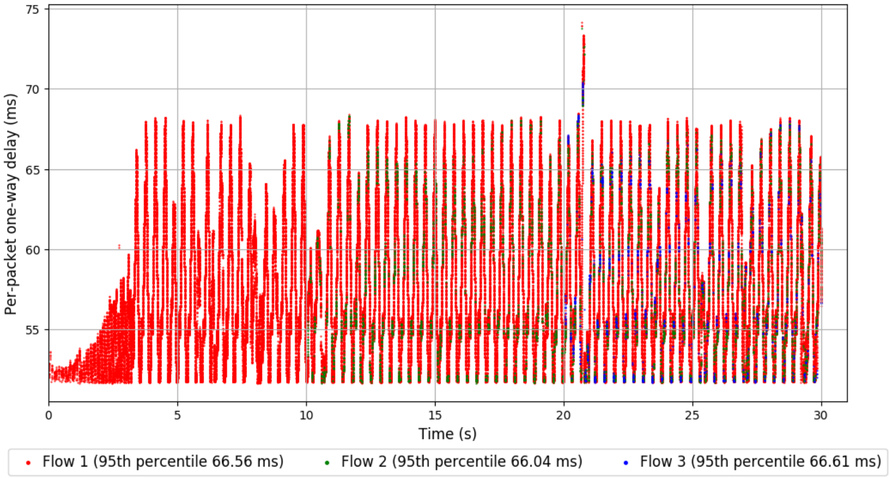




```
Run 9: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:52:22 +0000
End at: Sun, 09 Jul 2017 22:52:52 +0000
Local clock offset: 0.373 ms
Remote clock offset: -0.511 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:22:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 66.551 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 66.561 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 66.043 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 66.615 ms
Loss rate: 0.00%
```

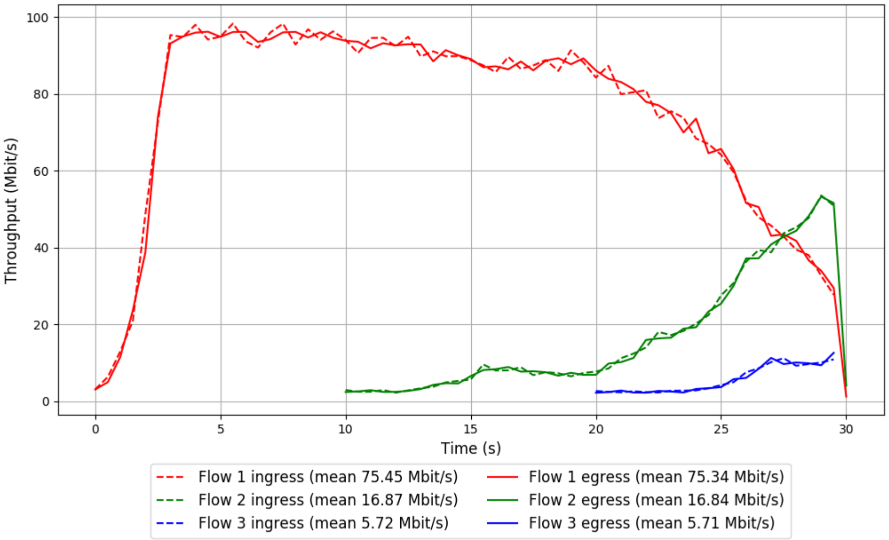
Run 9: Report of CalibratedKoho — Data Link

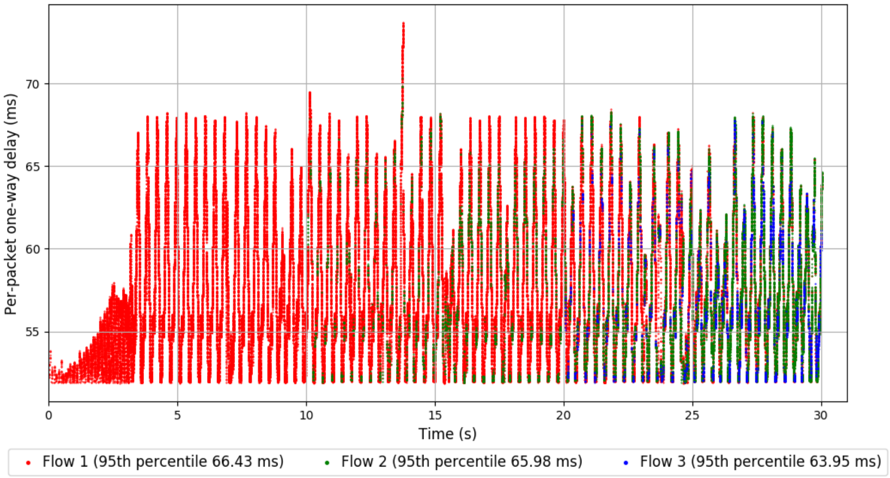




```
Run 10: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:12:53 +0000
End at: Sun, 09 Jul 2017 23:13:23 +0000
Local clock offset: 0.535 ms
Remote clock offset: -3.118 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:22:06 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.44 Mbit/s
95th percentile per-packet one-way delay: 66.285 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 75.34 Mbit/s
95th percentile per-packet one-way delay: 66.426 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 65.983 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 63.955 ms
Loss rate: 0.17%
```

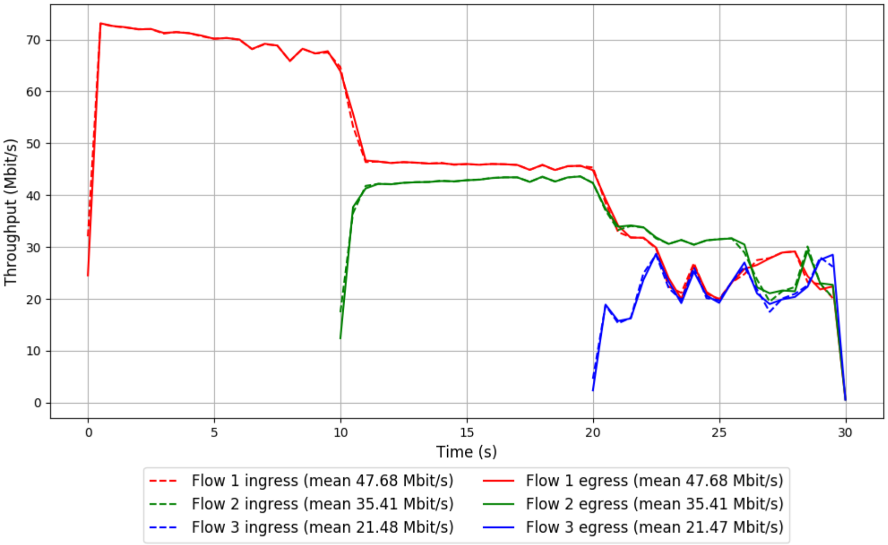
Run 10: Report of CalibratedKoho — Data Link

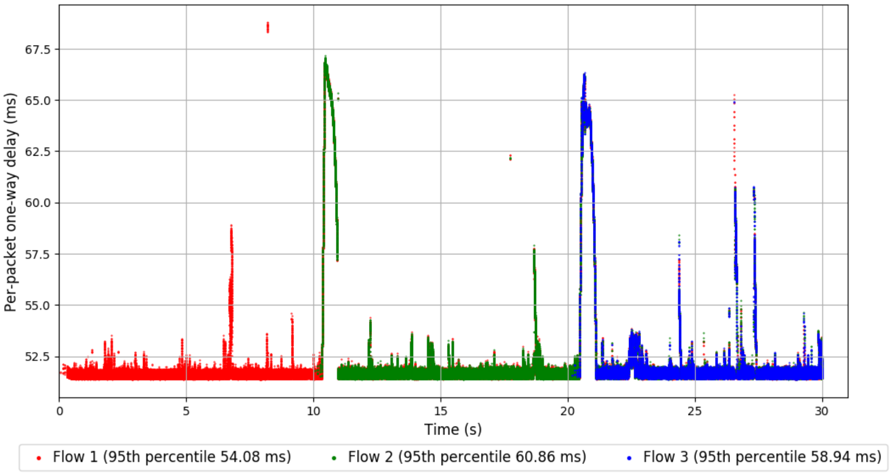




```
Run 1: Statistics of Copa

Start at: Sun, 09 Jul 2017 19:58:21 +0000
End at: Sun, 09 Jul 2017 19:58:51 +0000
Local clock offset: 0.72 ms
Remote clock offset: -0.306 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:22:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 57.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 54.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 60.862 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 58.935 ms
Loss rate: 0.00%
```

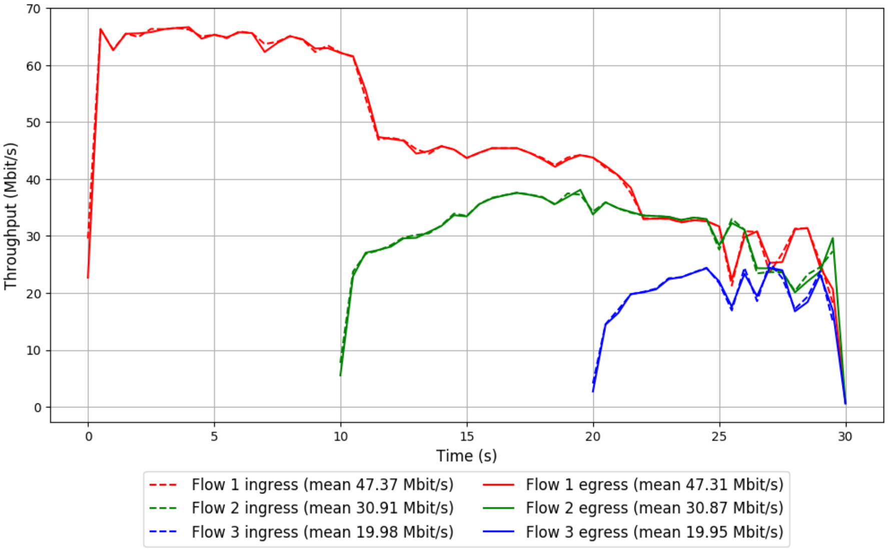
Run 1: Report of Copa — Data Link

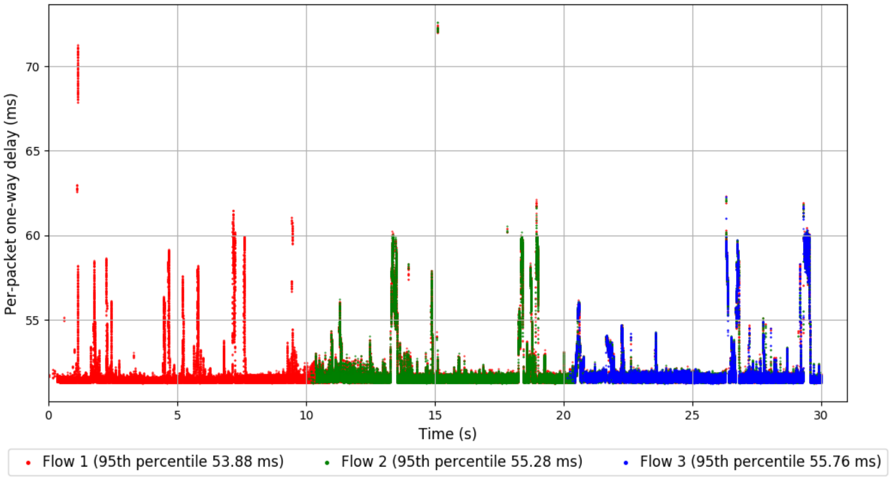




```
Run 2: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:18:51 +0000
End at: Sun, 09 Jul 2017 20:19:21 +0000
Local clock offset: 0.63 ms
Remote clock offset: -2.369 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:22:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 54.359 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 53.883 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 55.281 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 55.757 ms
Loss rate: 0.19%
```

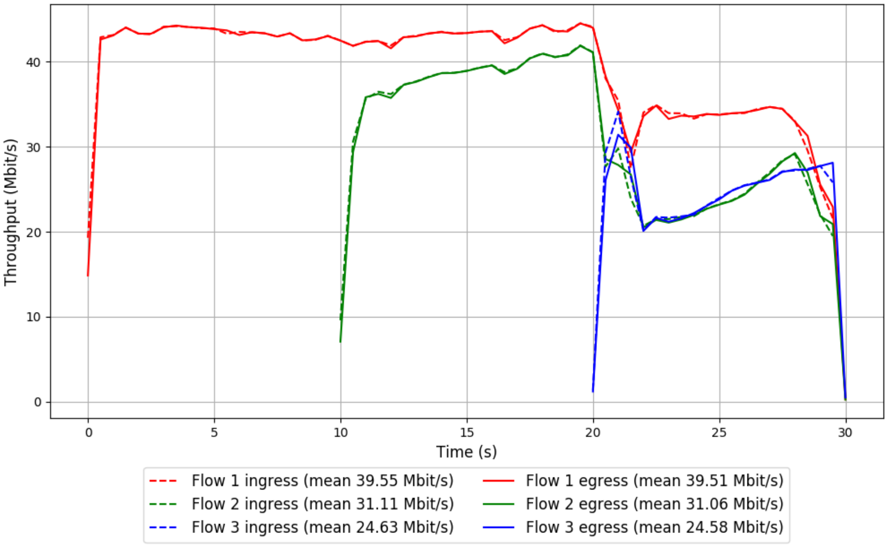
Run 2: Report of Copa — Data Link

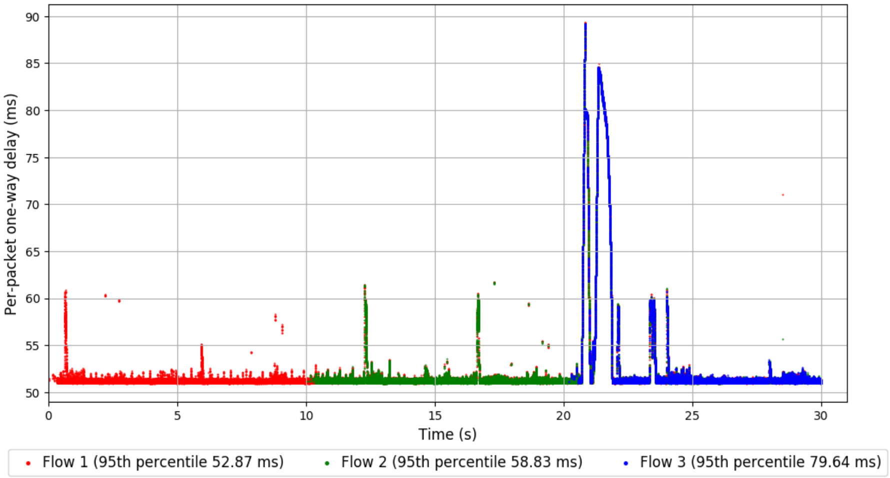




```
Run 3: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:39:22 +0000
End at: Sun, 09 Jul 2017 20:39:52 +0000
Local clock offset: 0.482 ms
Remote clock offset: -0.304 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:22:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.21 Mbit/s
95th percentile per-packet one-way delay: 58.517 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 52.874 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 58.826 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 79.645 ms
Loss rate: 0.22%
```

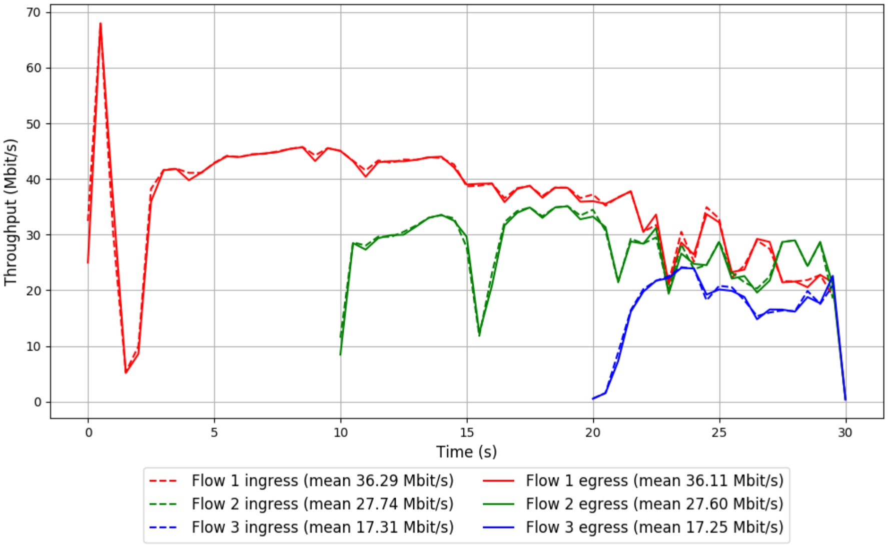
Run 3: Report of Copa — Data Link

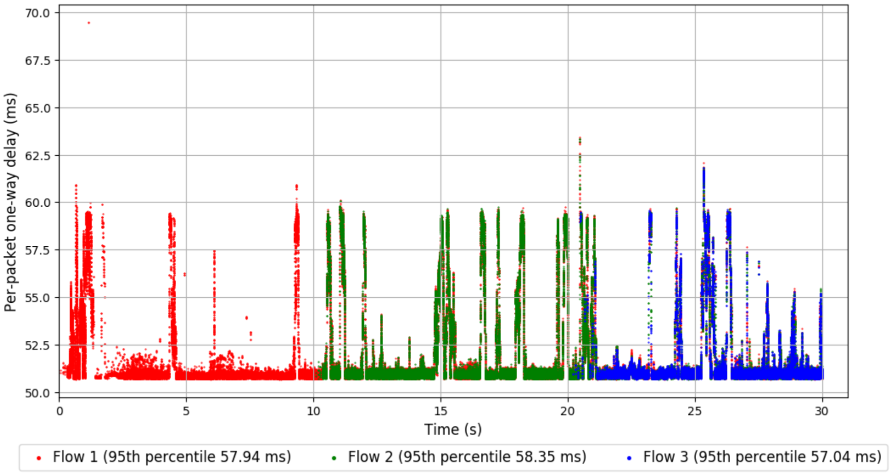




```
Run 4: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:59:59 +0000
End at: Sun, 09 Jul 2017 21:00:29 +0000
Local clock offset: 0.382 ms
Remote clock offset: -2.062 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:22:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 58.077 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 57.935 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 27.60 Mbit/s
95th percentile per-packet one-way delay: 58.350 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 57.041 ms
Loss rate: 0.35%
```

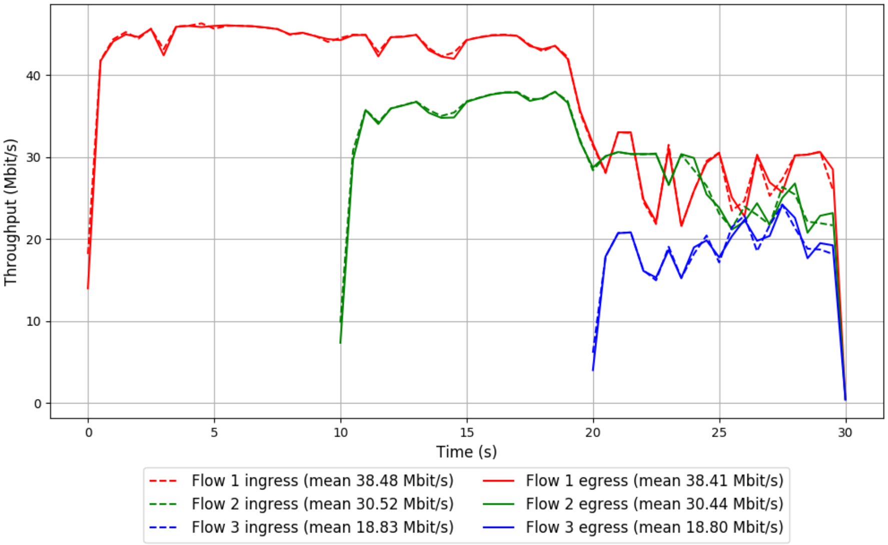
Run 4: Report of Copa — Data Link

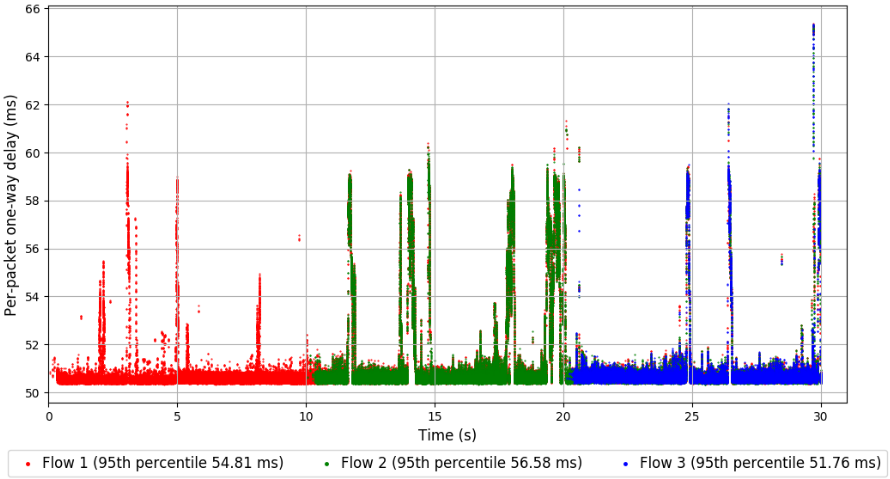




```
Run 5: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:21:05 +0000
End at: Sun, 09 Jul 2017 21:21:35 +0000
Local clock offset: 0.238 ms
Remote clock offset: 0.526 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:22:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: 55.371 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 54.815 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 56.575 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 51.756 ms
Loss rate: 0.22%
```

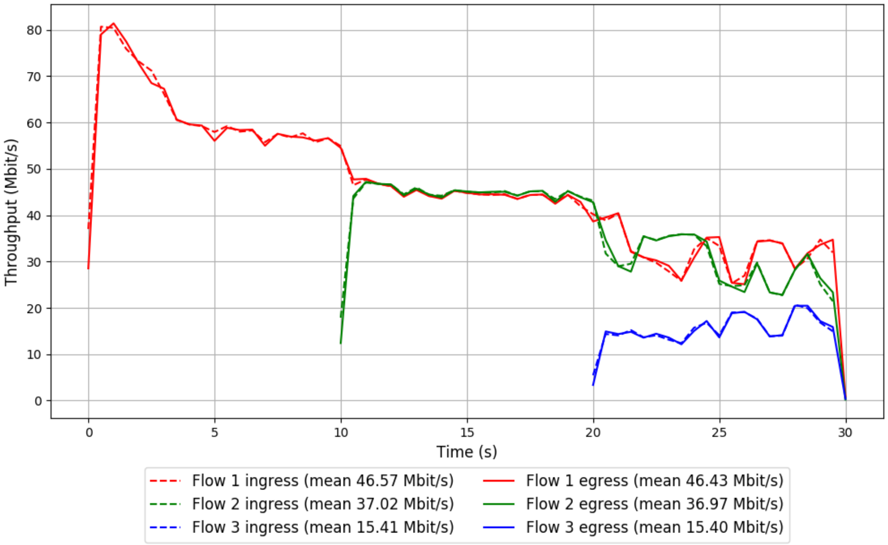
Run 5: Report of Copa — Data Link

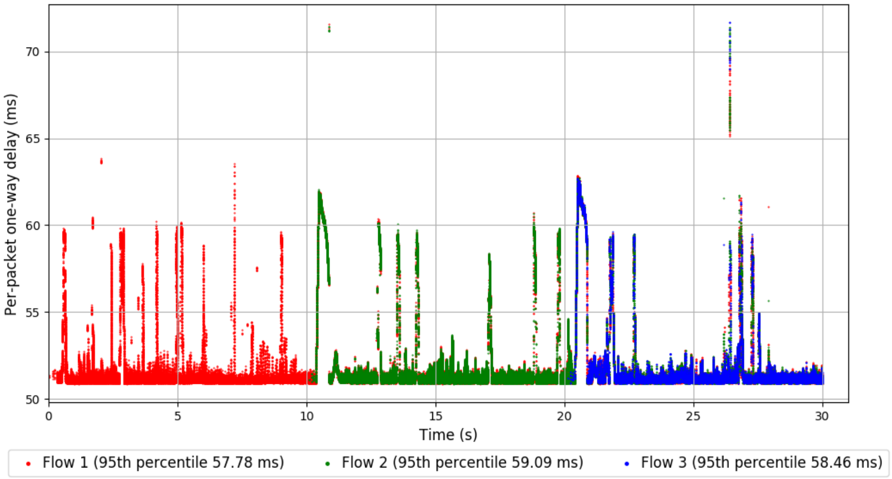




```
Run 6: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:41:58 +0000
End at: Sun, 09 Jul 2017 21:42:28 +0000
Local clock offset: 0.201 ms
Remote clock offset: -2.314 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:22:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.09 Mbit/s
95th percentile per-packet one-way delay: 58.472 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 57.776 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 59.094 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 58.462 ms
Loss rate: 0.04%
```

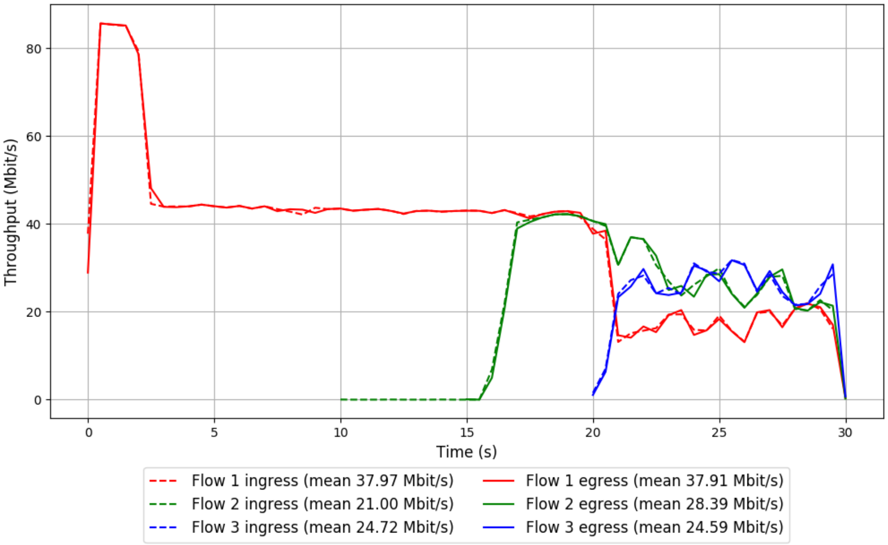
Run 6: Report of Copa — Data Link

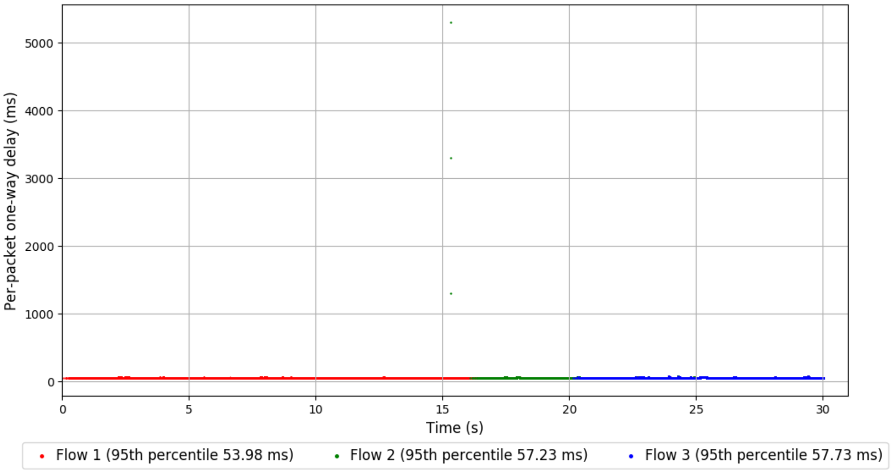




```
Run 7: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:02:35 +0000
End at: Sun, 09 Jul 2017 22:03:05 +0000
Local clock offset: 0.314 ms
Remote clock offset: -0.228 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 55.335 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 53.979 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 57.232 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 57.733 ms
Loss rate: 0.51%
```

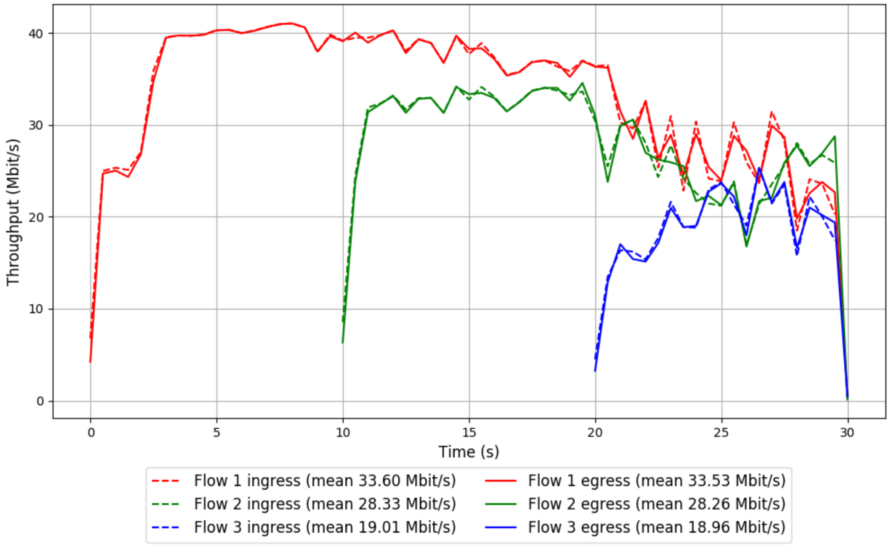
Run 7: Report of Copa — Data Link

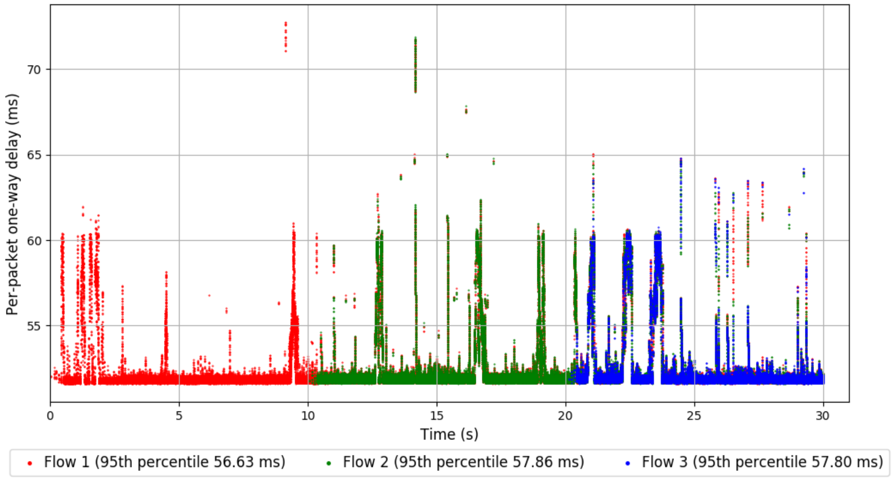




```
Run 8: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:23:28 +0000
End at: Sun, 09 Jul 2017 22:23:58 +0000
Local clock offset: 0.39 ms
Remote clock offset: -2.962 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 57.199 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 56.627 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 57.861 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 57.795 ms
Loss rate: 0.29%
```

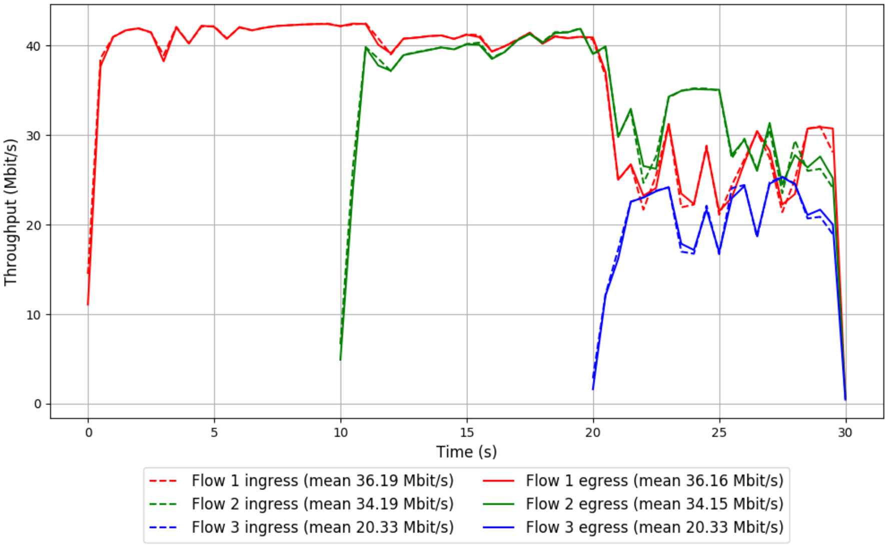
Run 8: Report of Copa — Data Link

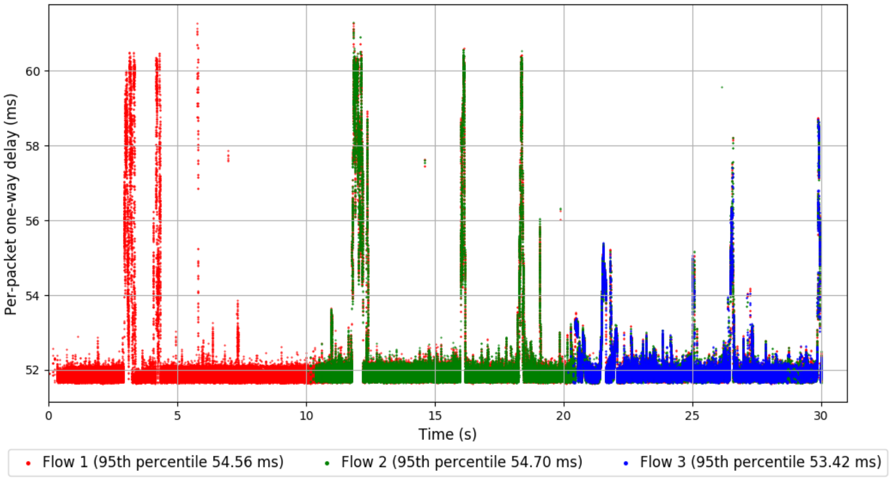




```
Run 9: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:44:13 +0000
End at: Sun, 09 Jul 2017 22:44:43 +0000
Local clock offset: 0.468 ms
Remote clock offset: -0.509 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 54.513 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 54.565 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 54.704 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 53.419 ms
Loss rate: 0.00%
```

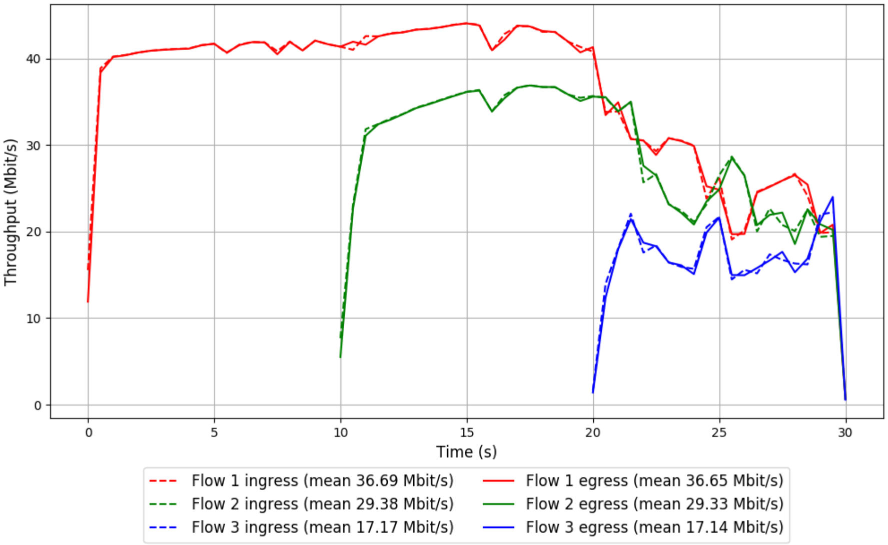
Run 9: Report of Copa — Data Link

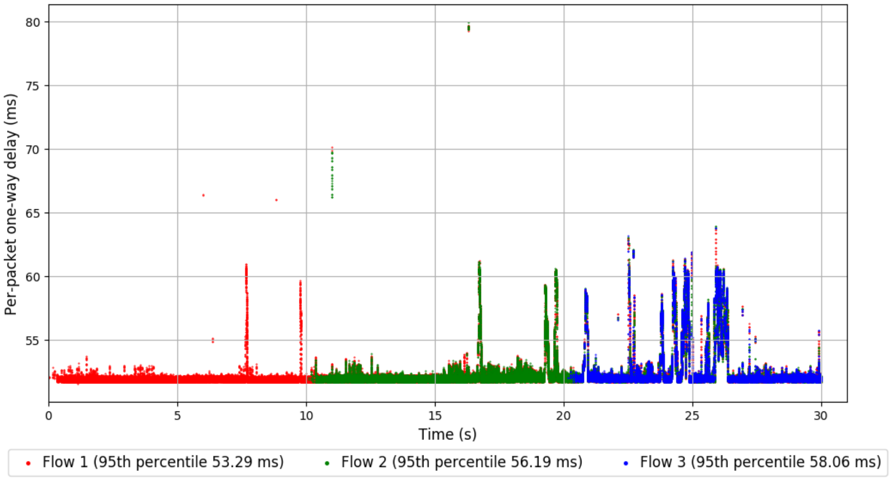




```
Run 10: Statistics of Copa

Start at: Sun, 09 Jul 2017 23:04:43 +0000
End at: Sun, 09 Jul 2017 23:05:13 +0000
Local clock offset: 0.57 ms
Remote clock offset: -0.412 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:30 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 55.297 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 53.288 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 56.193 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 17.14 Mbit/s
95th percentile per-packet one-way delay: 58.056 ms
Loss rate: 0.20%
```

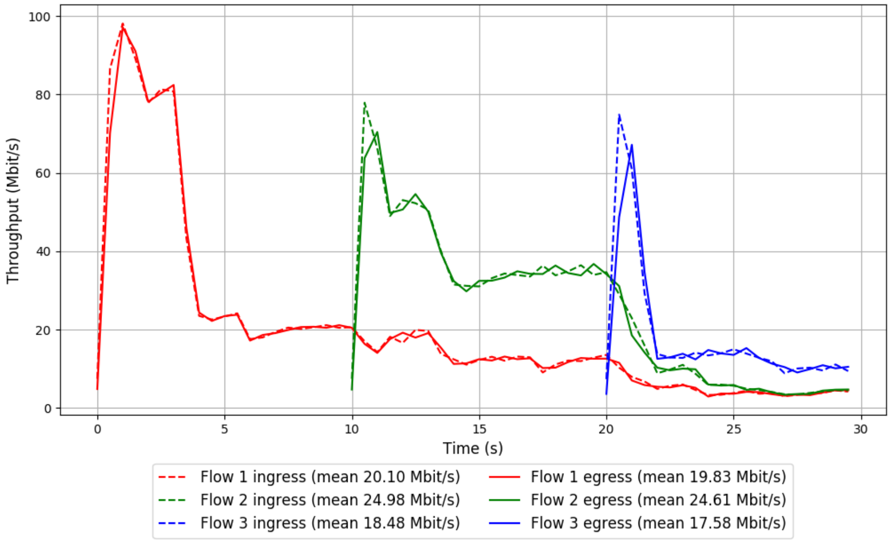
Run 10: Report of Copa — Data Link

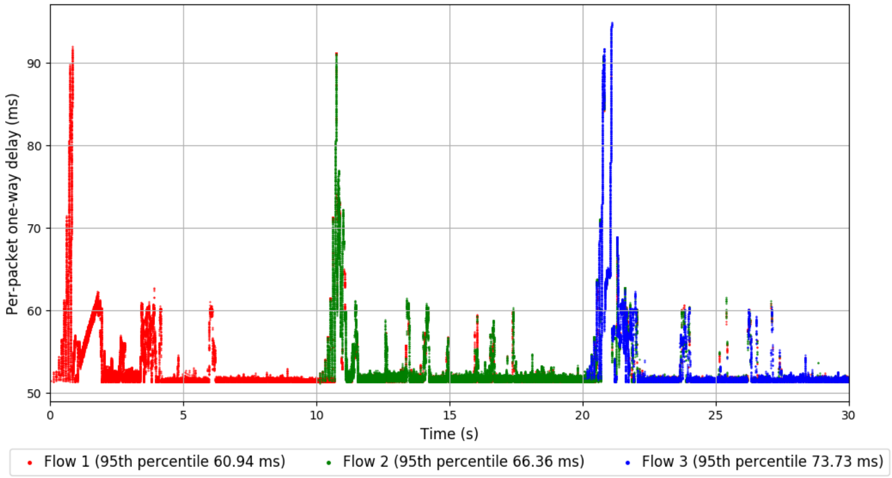




```
Run 1: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:14:47 +0000
End at: Sun, 09 Jul 2017 20:15:17 +0000
Local clock offset: 0.557 ms
Remote clock offset: -2.525 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 64.659 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 60.936 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 66.355 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 73.730 ms
Loss rate: 4.88%
```

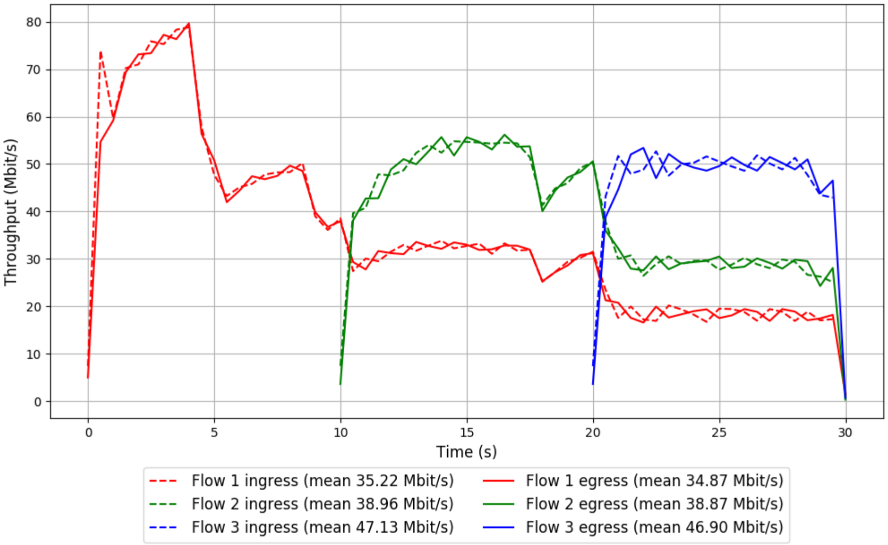
Run 1: Report of TCP Cubic — Data Link

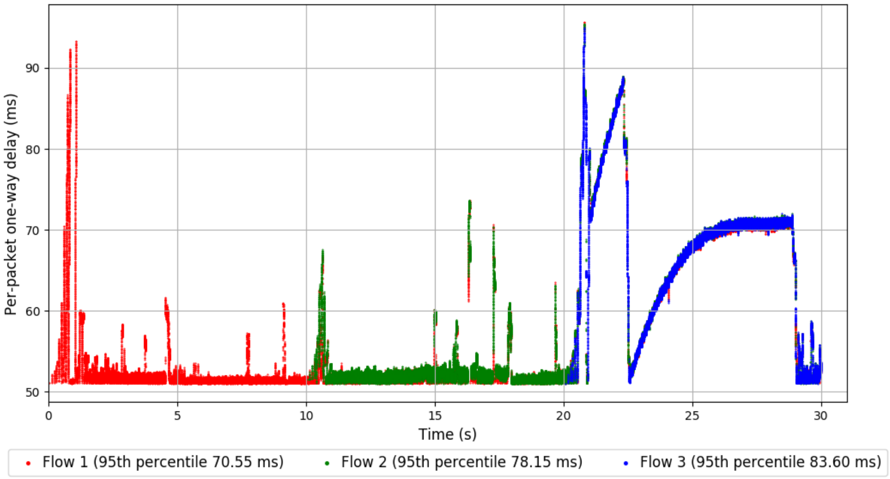




```
Run 2: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:35:16 +0000
End at: Sun, 09 Jul 2017 20:35:46 +0000
Local clock offset: 0.504 ms
Remote clock offset: 0.234 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 78.673 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 70.551 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 78.154 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 46.90 Mbit/s
95th percentile per-packet one-way delay: 83.603 ms
Loss rate: 0.46%
```

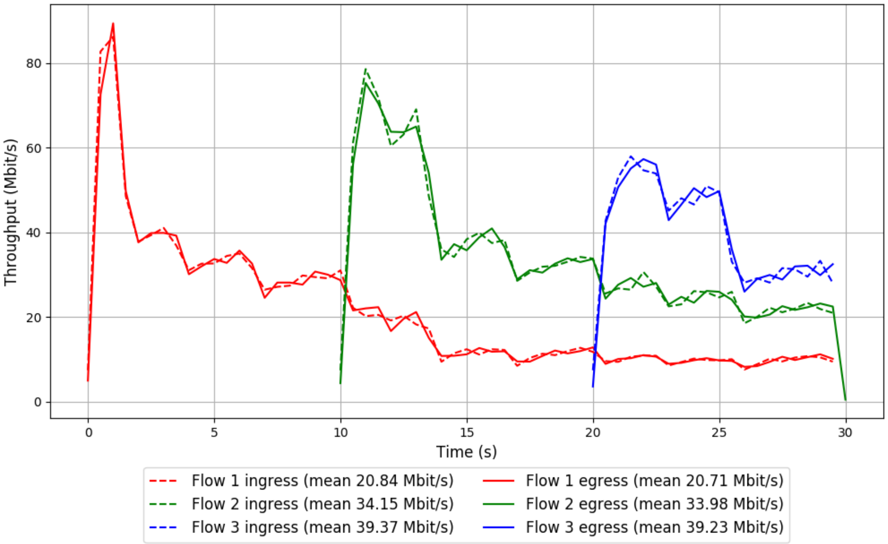
Run 2: Report of TCP Cubic — Data Link

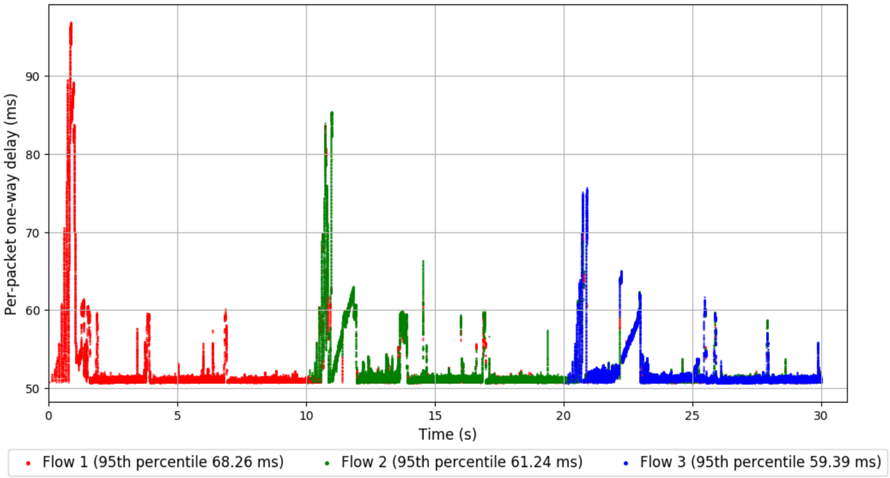




```
Run 3: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:55:53 +0000
End at: Sun, 09 Jul 2017 20:56:23 +0000
Local clock offset: 0.4 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 61.611 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 68.263 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 61.240 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 59.391 ms
Loss rate: 0.37%
```

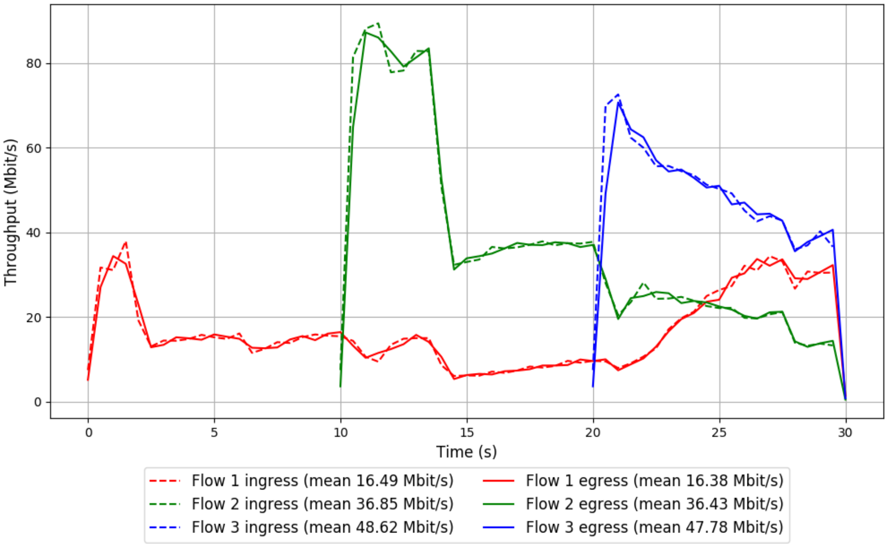
Run 3: Report of TCP Cubic — Data Link

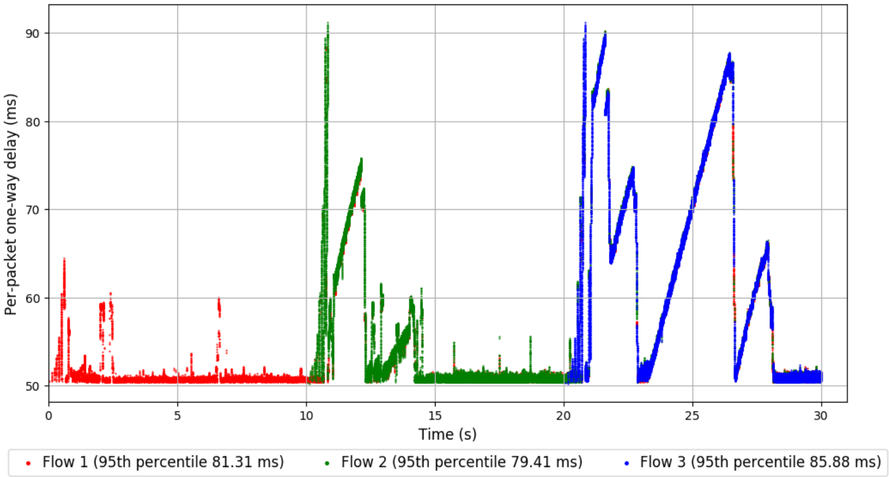




```
Run 4: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:16:56 +0000
End at: Sun, 09 Jul 2017 21:17:26 +0000
Local clock offset: 0.182 ms
Remote clock offset: 0.494 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 83.584 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 81.307 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 79.409 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 85.876 ms
Loss rate: 1.72%
```

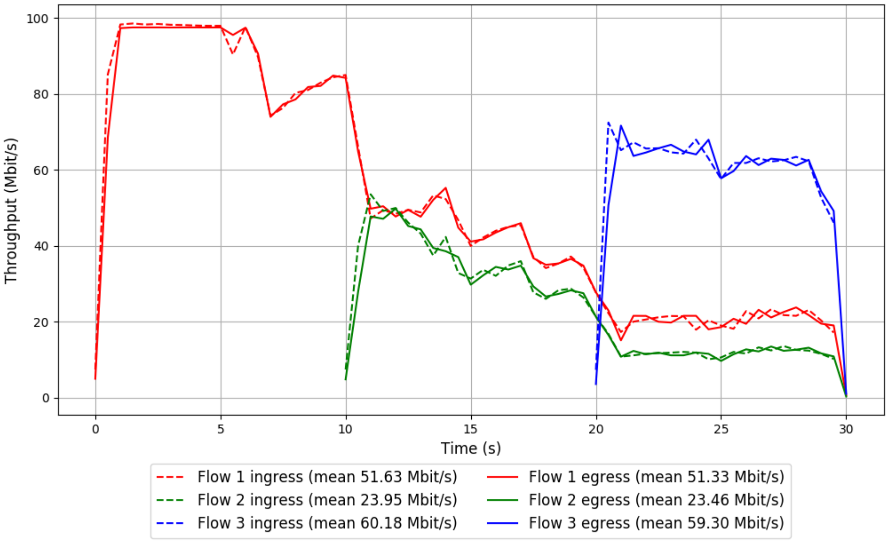
Run 4: Report of TCP Cubic — Data Link

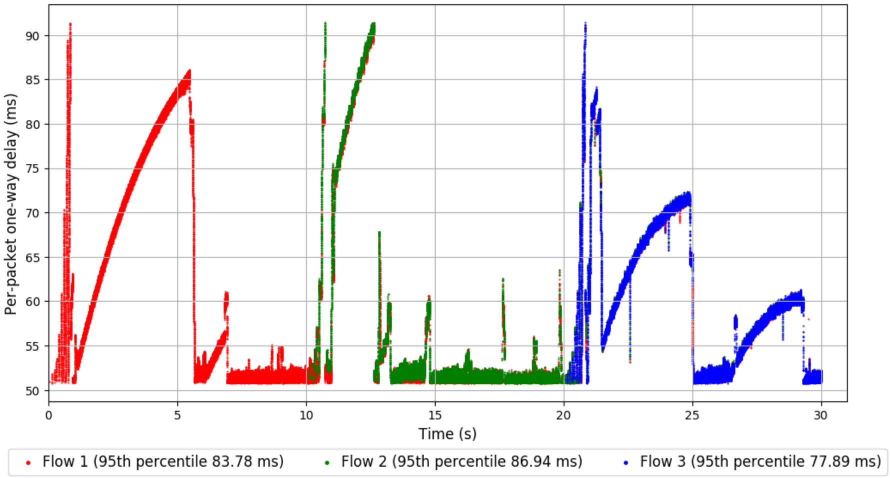




```
Run 5: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:37:51 +0000
End at: Sun, 09 Jul 2017 21:38:21 +0000
Local clock offset: 0.199 ms
Remote clock offset: -0.264 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 83.479 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 83.779 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 86.938 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 77.890 ms
Loss rate: 1.45%
```

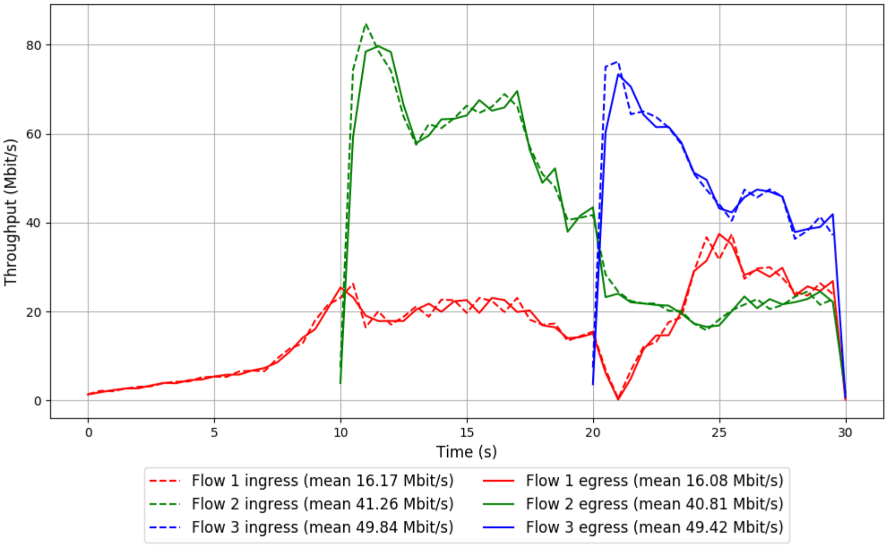
Run 5: Report of TCP Cubic — Data Link

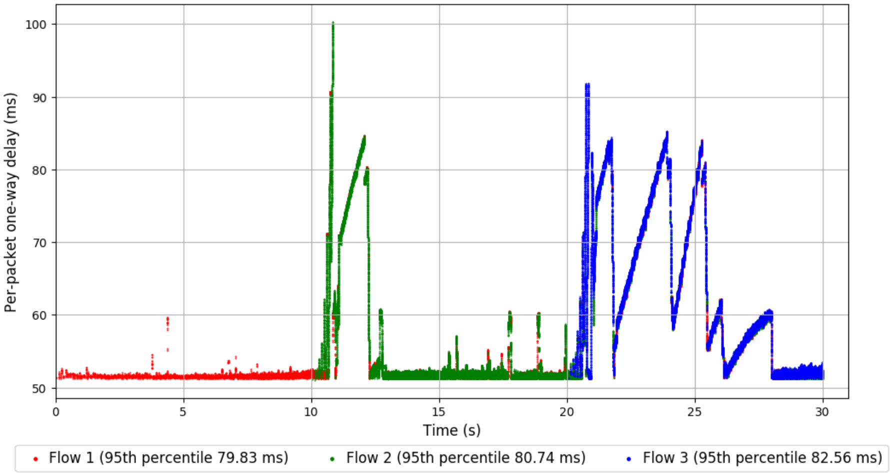




```
Run 6: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:58:29 +0000
End at: Sun, 09 Jul 2017 21:58:59 +0000
Local clock offset: 0.217 ms
Remote clock offset: -2.775 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:23:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.66 Mbit/s
95th percentile per-packet one-way delay: 81.461 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 79.828 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 80.736 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 82.562 ms
Loss rate: 0.99%
```

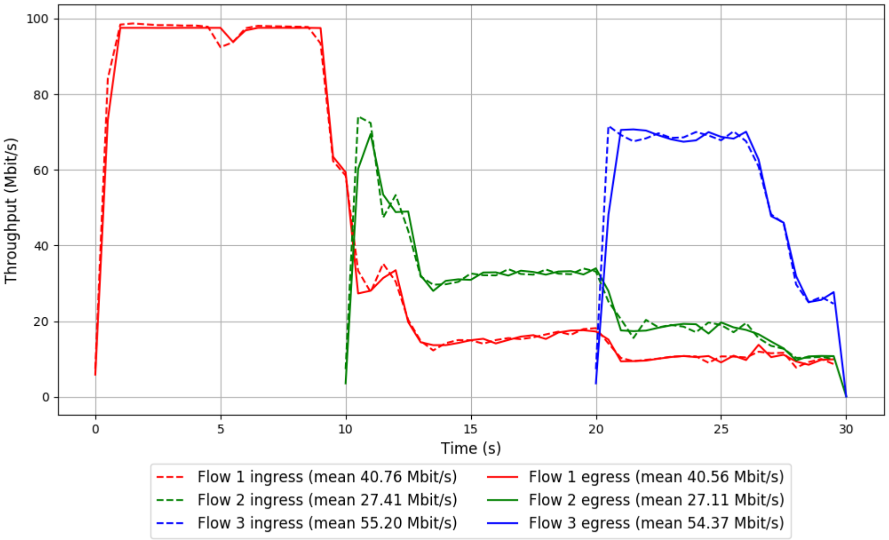
Run 6: Report of TCP Cubic — Data Link

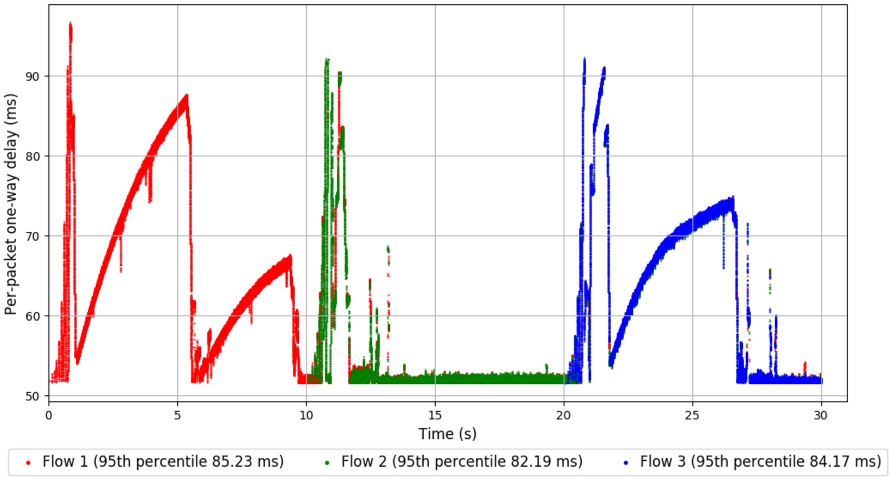




```
Run 7: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:19:11 +0000
End at: Sun, 09 Jul 2017 22:19:41 +0000
Local clock offset: 0.358 ms
Remote clock offset: -0.974 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 84.750 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 85.228 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 27.11 Mbit/s
95th percentile per-packet one-way delay: 82.188 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 54.37 Mbit/s
95th percentile per-packet one-way delay: 84.174 ms
Loss rate: 1.49%
```

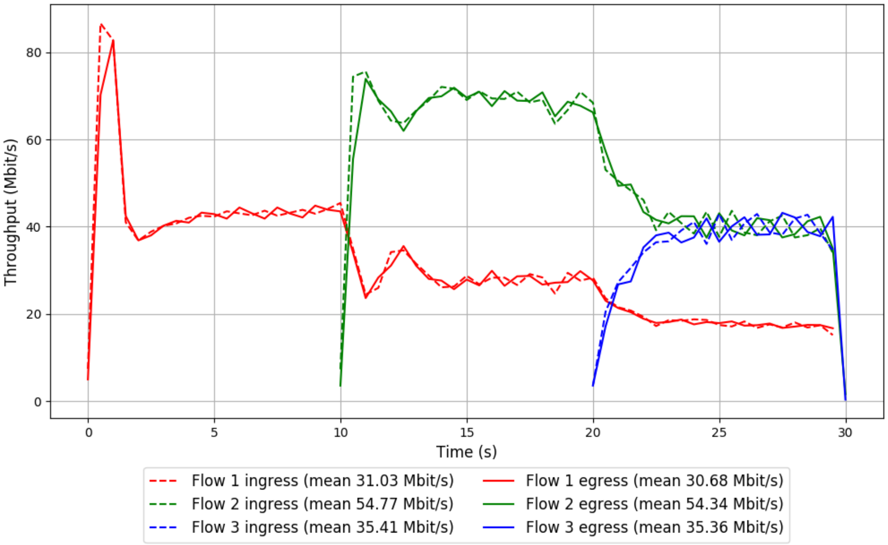
Run 7: Report of TCP Cubic — Data Link

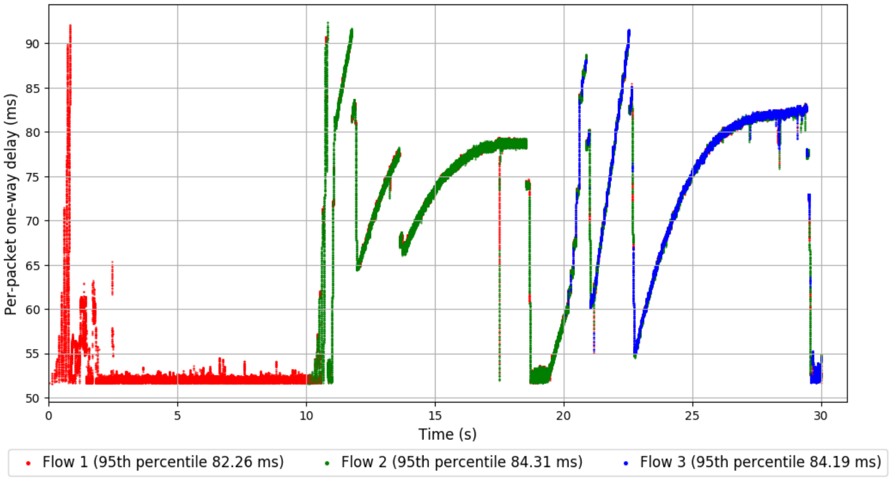




```
Run 8: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:40:07 +0000
End at: Sun, 09 Jul 2017 22:40:37 +0000
Local clock offset: 0.375 ms
Remote clock offset: -0.96 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 83.500 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 30.68 Mbit/s
95th percentile per-packet one-way delay: 82.260 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 84.312 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 84.188 ms
Loss rate: 0.17%
```

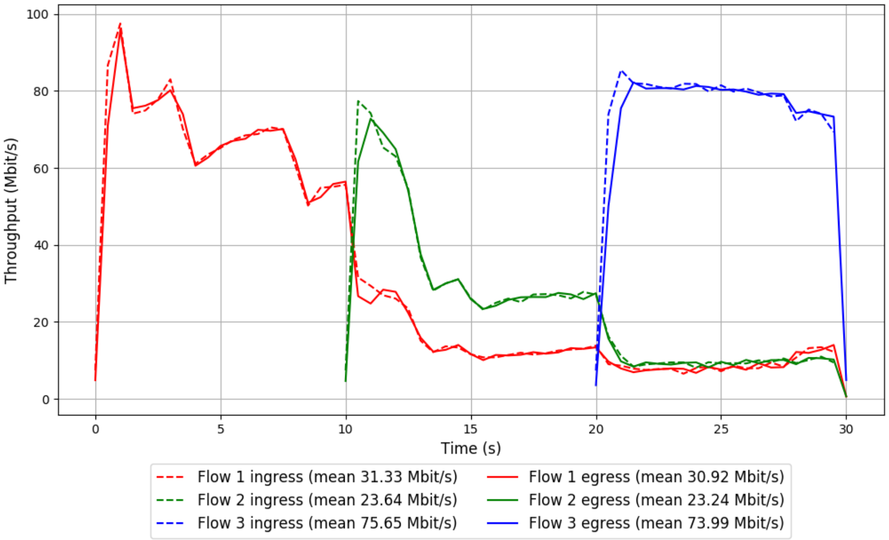
Run 8: Report of TCP Cubic — Data Link

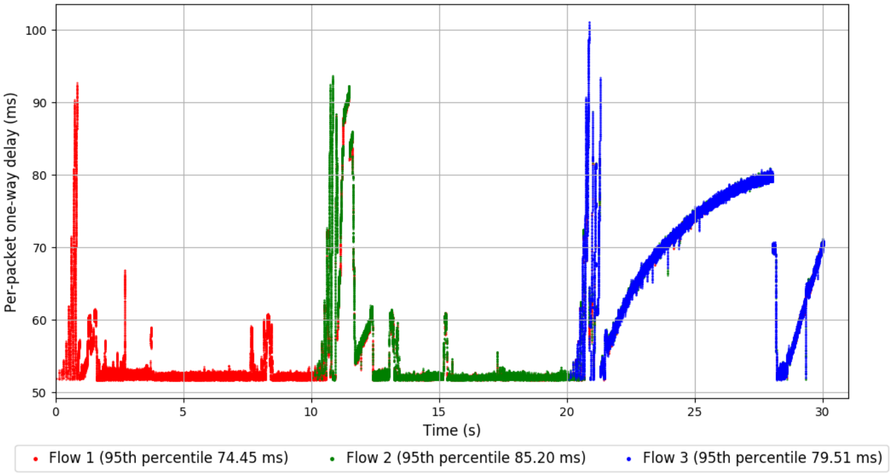




```
Run 9: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:00:39 +0000
End at: Sun, 09 Jul 2017 23:01:09 +0000
Local clock offset: 0.547 ms
Remote clock offset: -0.865 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 79.470 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 74.449 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 85.197 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 79.510 ms
Loss rate: 2.01%
```

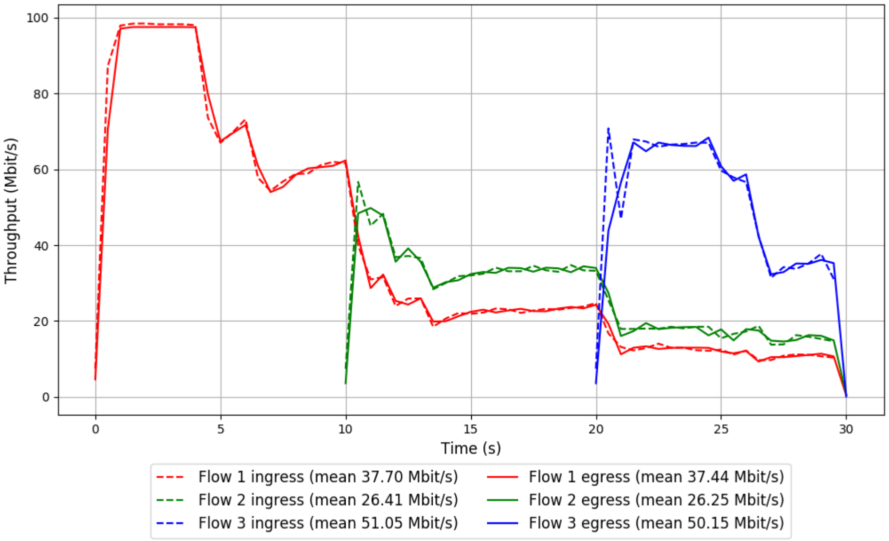
Run 9: Report of TCP Cubic — Data Link

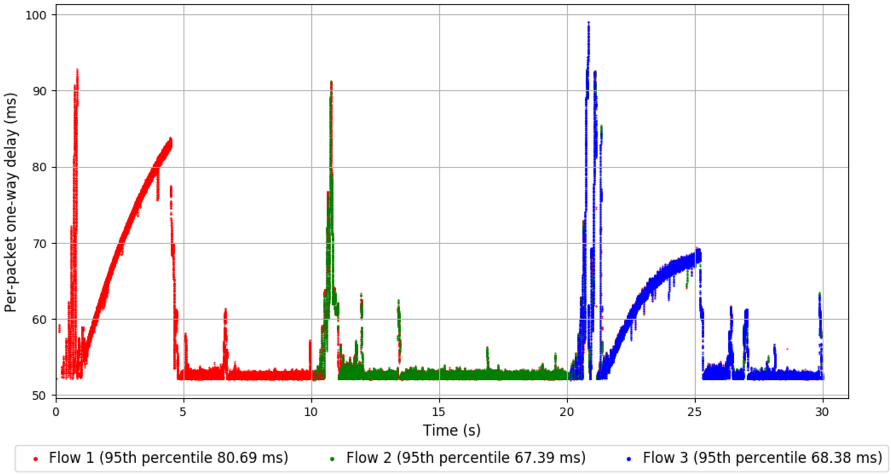




```
Run 10: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:21:08 +0000
End at: Sun, 09 Jul 2017 23:21:38 +0000
Local clock offset: 0.652 ms
Remote clock offset: -0.799 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.54 Mbit/s
95th percentile per-packet one-way delay: 78.722 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 80.693 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 67.387 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 68.384 ms
Loss rate: 1.77%
```

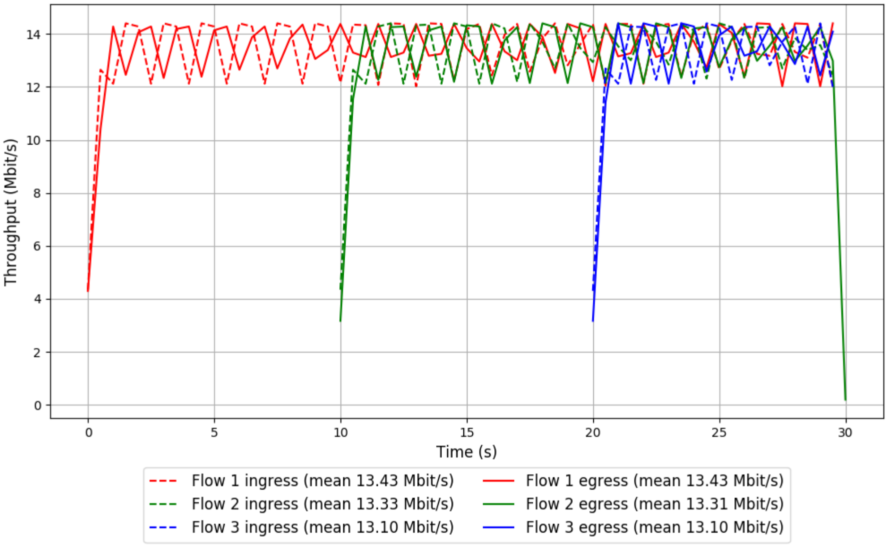
Run 10: Report of TCP Cubic — Data Link

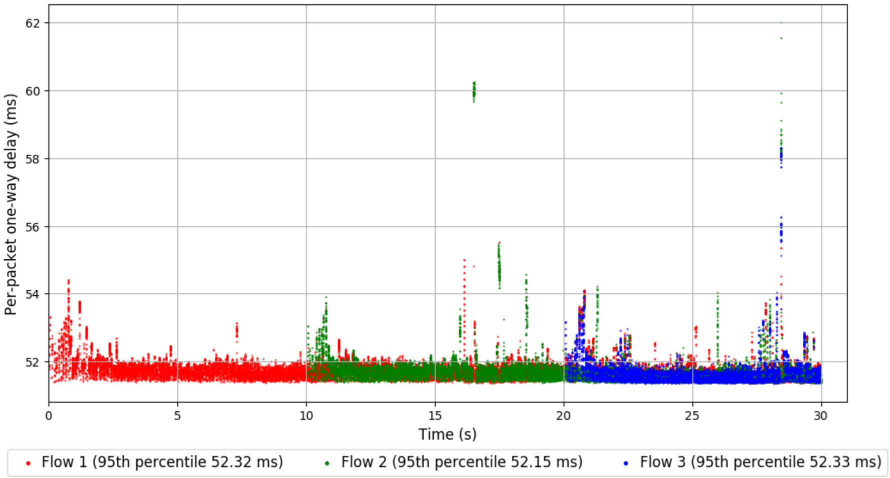




```
Run 1: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:10:41 +0000
End at: Sun, 09 Jul 2017 20:11:11 +0000
Local clock offset: 0.686 ms
Remote clock offset: -0.383 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 52.273 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 13.43 Mbit/s
95th percentile per-packet one-way delay: 52.323 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 52.154 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 13.10 Mbit/s
95th percentile per-packet one-way delay: 52.326 ms
Loss rate: 0.00%
```

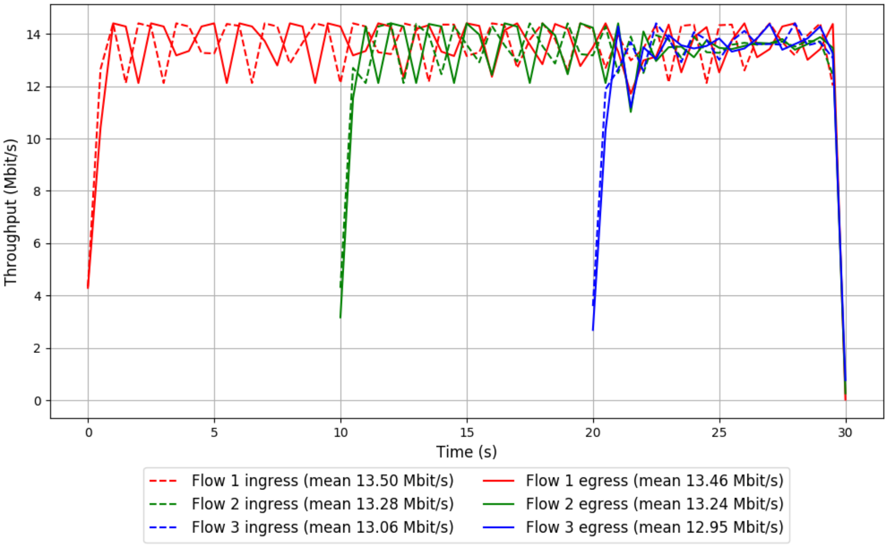
Run 1: Report of KohoCC — Data Link

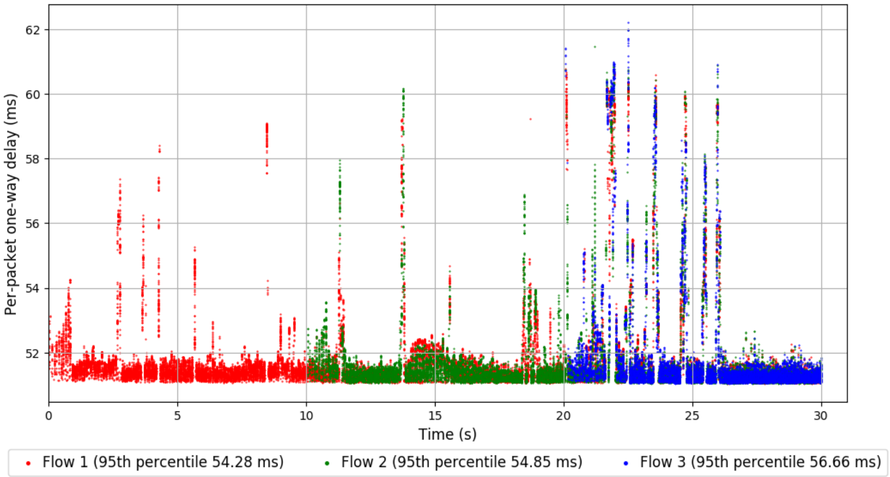




```
Run 2: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:31:08 +0000
End at: Sun, 09 Jul 2017 20:31:38 +0000
Local clock offset: 0.466 ms
Remote clock offset: -2.375 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 54.935 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: 54.276 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 54.853 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 56.661 ms
Loss rate: 0.91%
```

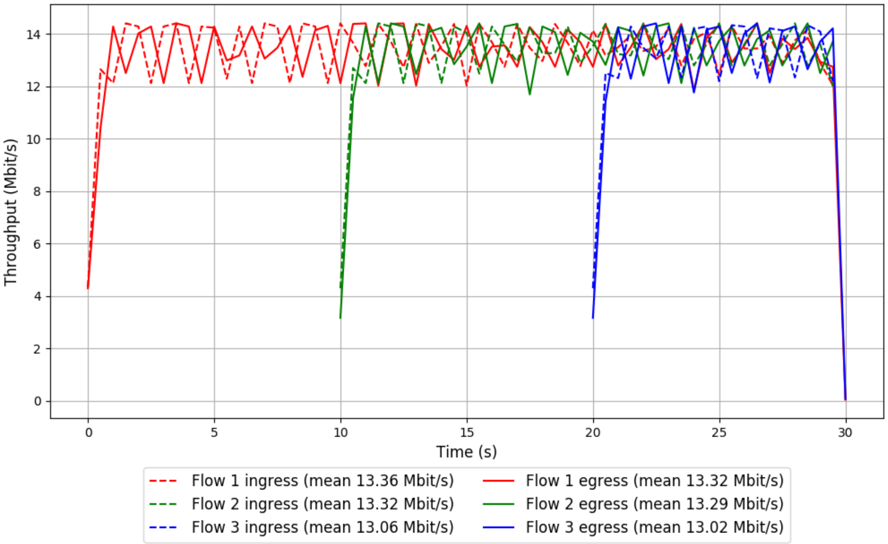
Run 2: Report of KohoCC — Data Link

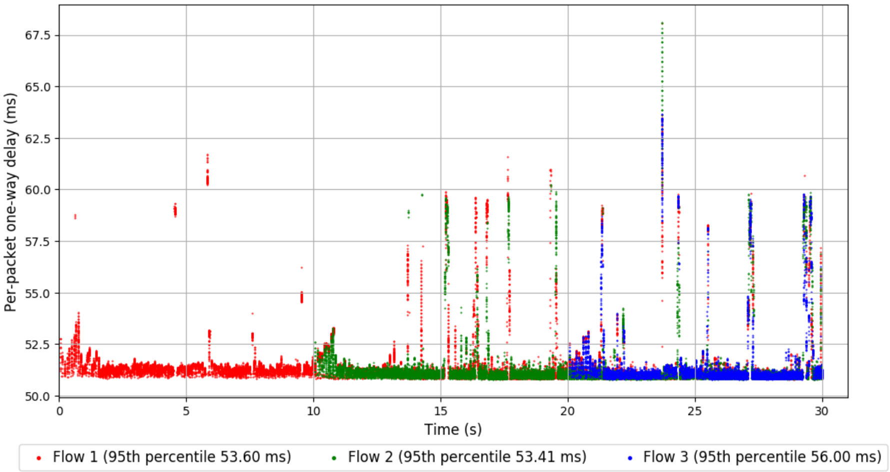




```
Run 3: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:51:42 +0000
End at: Sun, 09 Jul 2017 20:52:12 +0000
Local clock offset: 0.432 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 53.935 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 53.598 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 53.409 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 56.002 ms
Loss rate: 0.35%
```

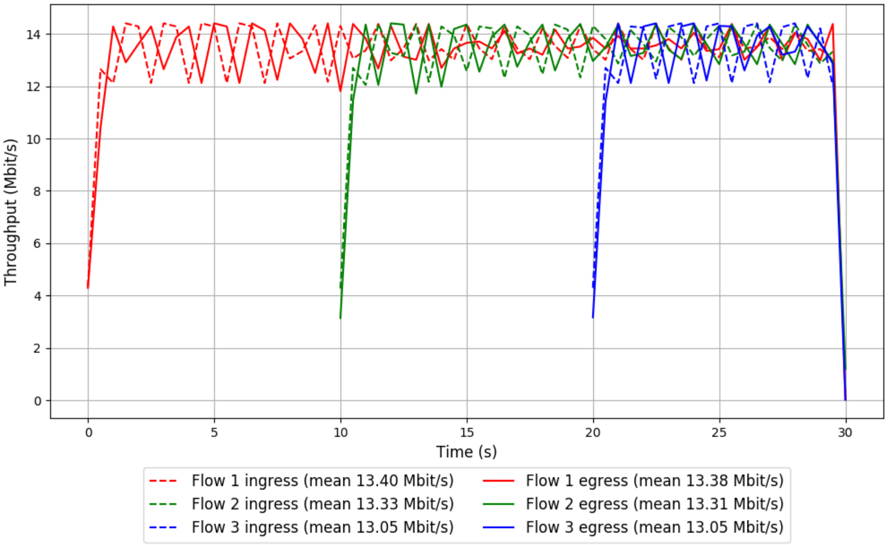
Run 3: Report of KohoCC — Data Link

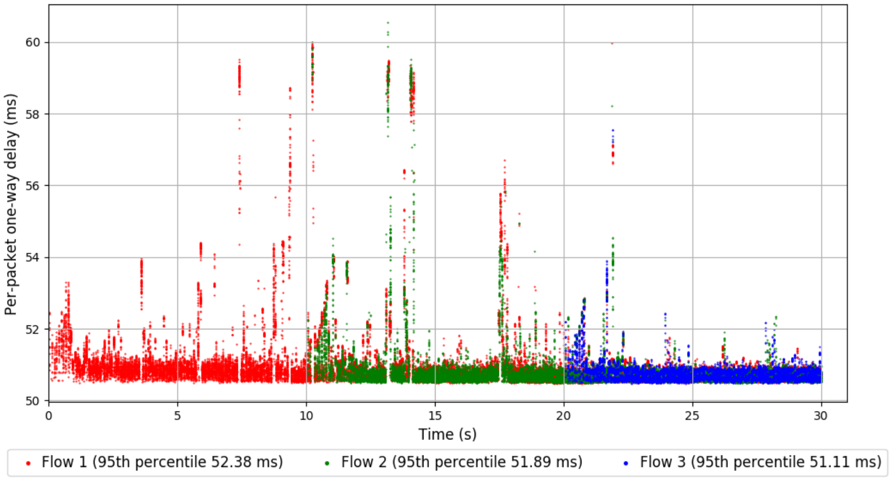




```
Run 4: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:12:29 +0000
End at: Sun, 09 Jul 2017 21:12:59 +0000
Local clock offset: 0.295 ms
Remote clock offset: 0.451 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.58 Mbit/s
95th percentile per-packet one-way delay: 52.029 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 52.378 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 51.894 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 0.00%
```

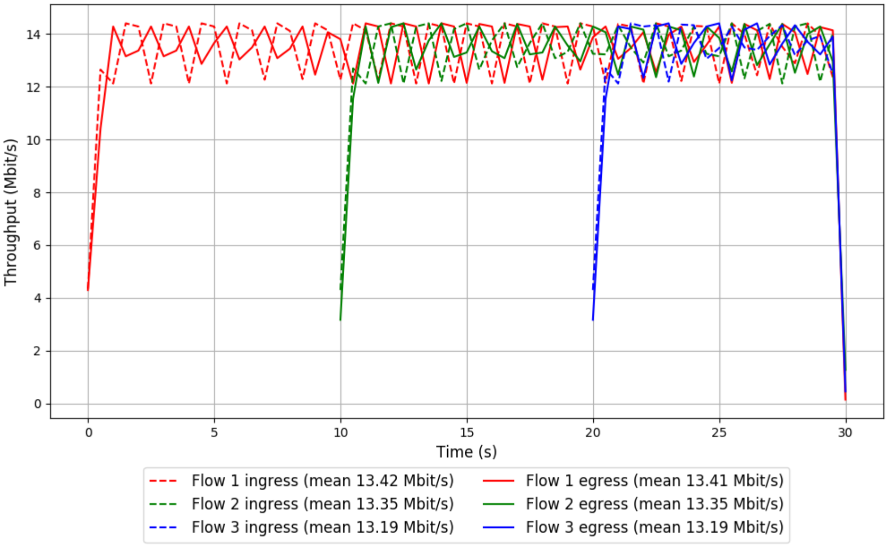
Run 4: Report of KohoCC — Data Link

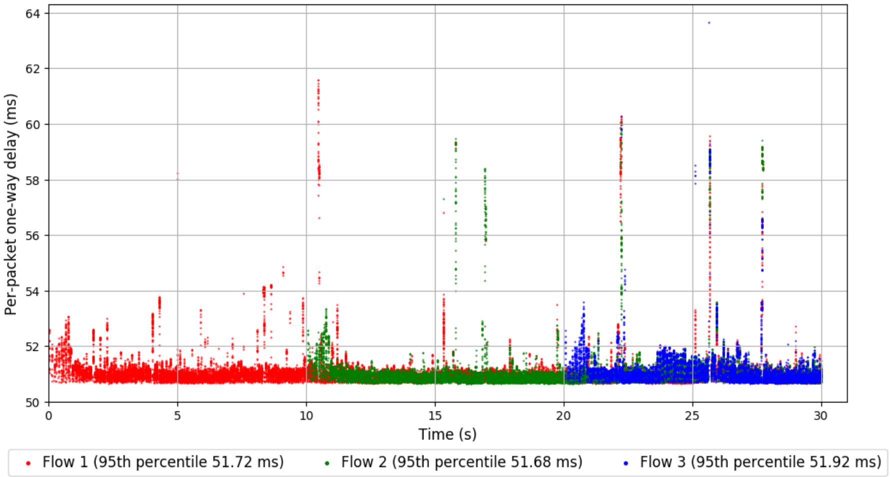




```
Run 5: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:33:25 +0000
End at: Sun, 09 Jul 2017 21:33:55 +0000
Local clock offset: 0.174 ms
Remote clock offset: -2.144 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:29 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 51.771 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 51.723 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 51.680 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 51.916 ms
Loss rate: 0.00%
```

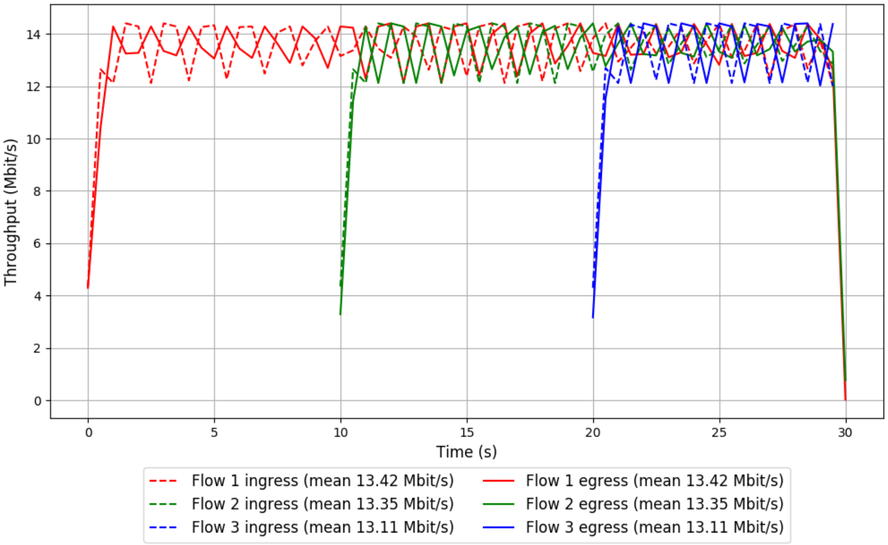
Run 5: Report of KohoCC — Data Link

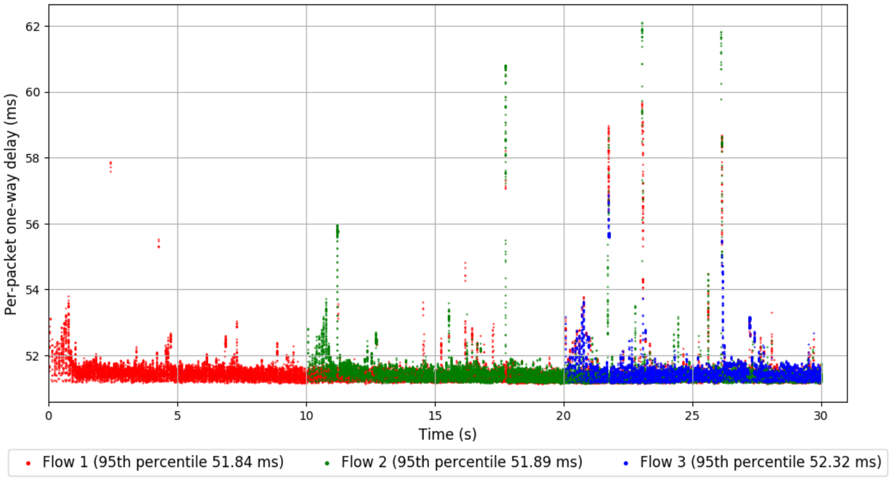




```
Run 6: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:54:17 +0000
End at: Sun, 09 Jul 2017 21:54:47 +0000
Local clock offset: 0.319 ms
Remote clock offset: -0.522 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 51.929 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 51.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 51.886 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 52.320 ms
Loss rate: 0.00%
```

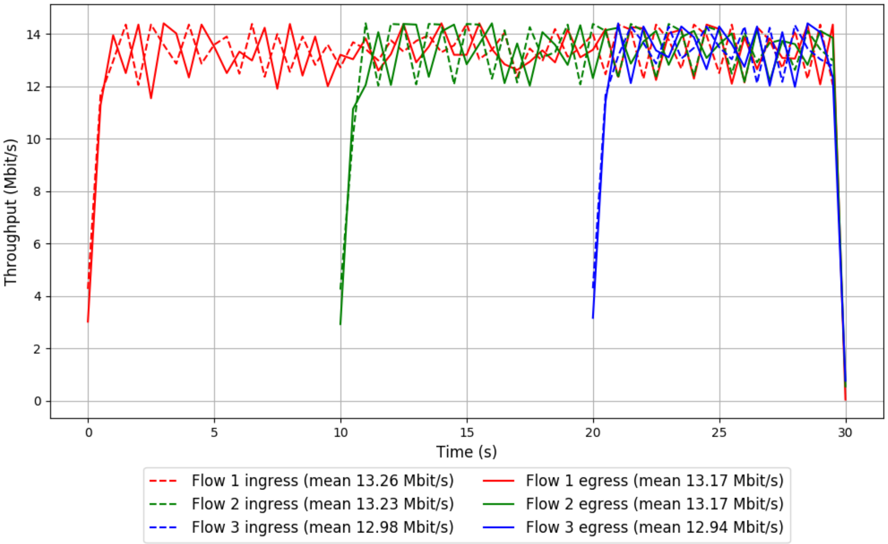
Run 6: Report of KohoCC — Data Link

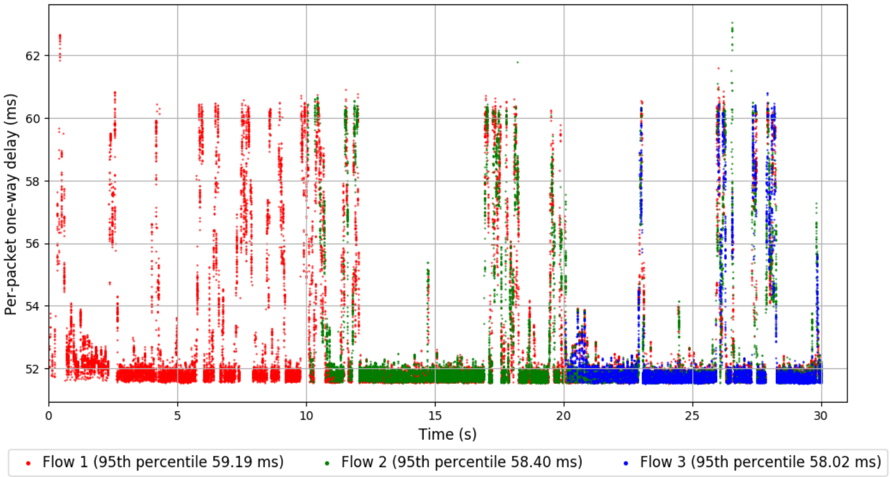




```
Run 7: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:15:00 +0000
End at: Sun, 09 Jul 2017 22:15:30 +0000
Local clock offset: 0.37 ms
Remote clock offset: -2.953 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 58.770 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 59.194 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 58.399 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 58.021 ms
Loss rate: 0.26%
```

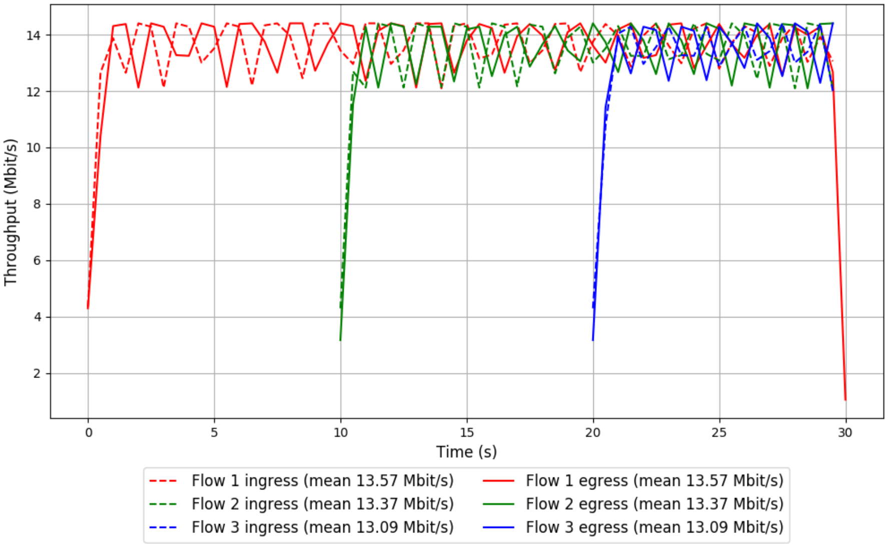
Run 7: Report of KohoCC — Data Link

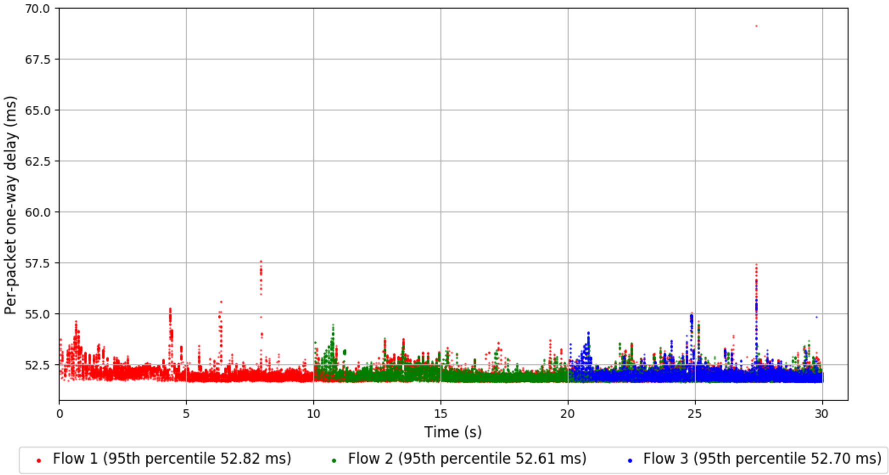




```
Run 8: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:36:00 +0000
End at: Sun, 09 Jul 2017 22:36:30 +0000
Local clock offset: 0.367 ms
Remote clock offset: -0.986 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 52.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 52.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 52.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 52.700 ms
Loss rate: 0.00%
```

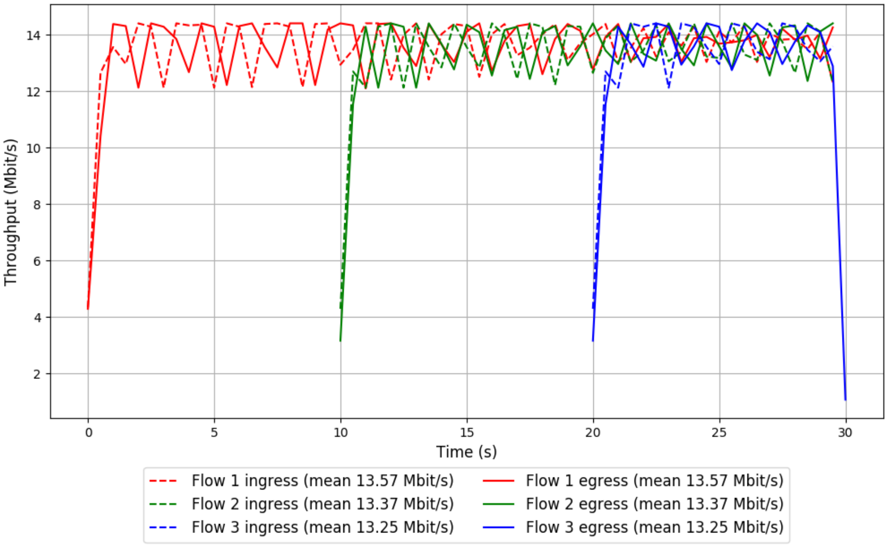
Run 8: Report of KohoCC — Data Link

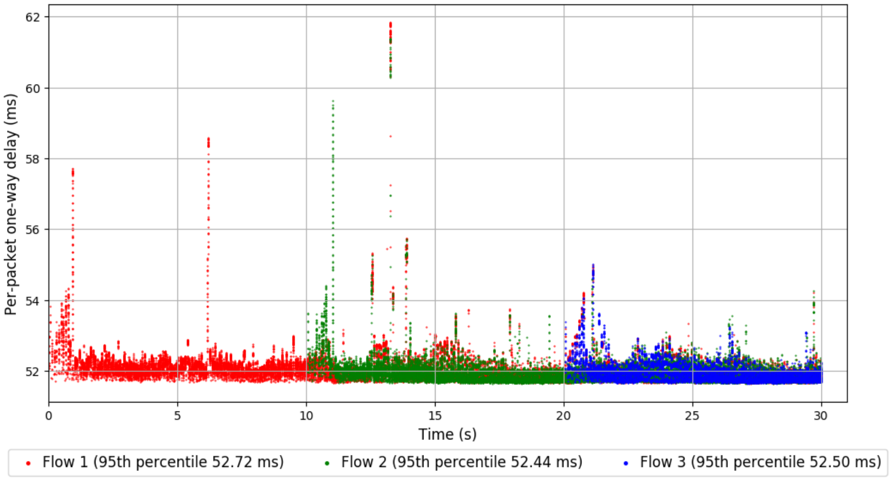




```
Run 9: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:56:29 +0000
End at: Sun, 09 Jul 2017 22:56:59 +0000
Local clock offset: 0.444 ms
Remote clock offset: -0.459 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:38 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 52.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 52.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 52.443 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 52.504 ms
Loss rate: 0.00%
```

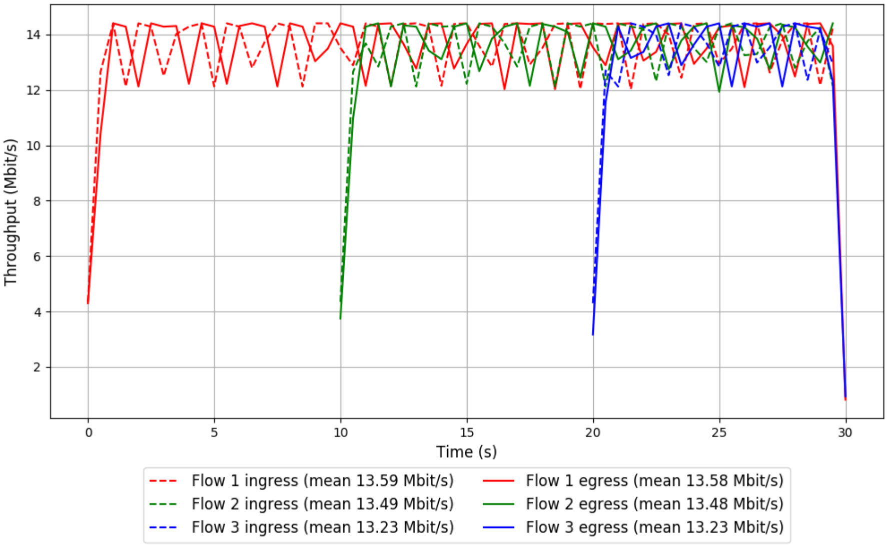
Run 9: Report of KohoCC — Data Link

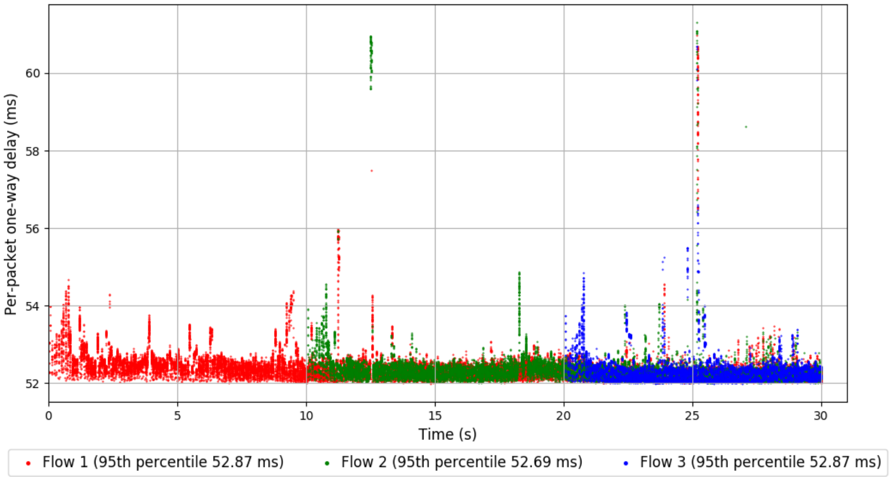




```
Run 10: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 23:17:01 +0000
End at: Sun, 09 Jul 2017 23:17:31 +0000
Local clock offset: 0.644 ms
Remote clock offset: -1.042 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 52.805 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 52.865 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 52.690 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 52.873 ms
Loss rate: 0.00%
```

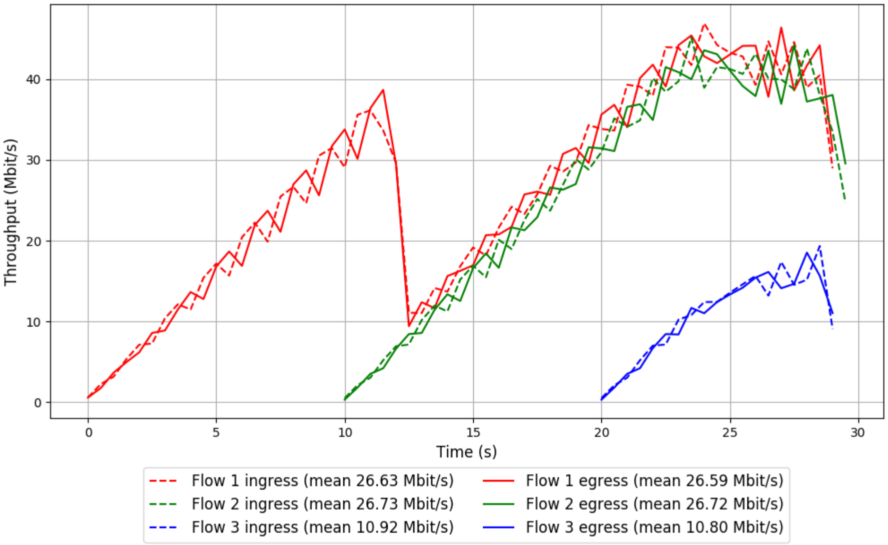
Run 10: Report of KohoCC — Data Link

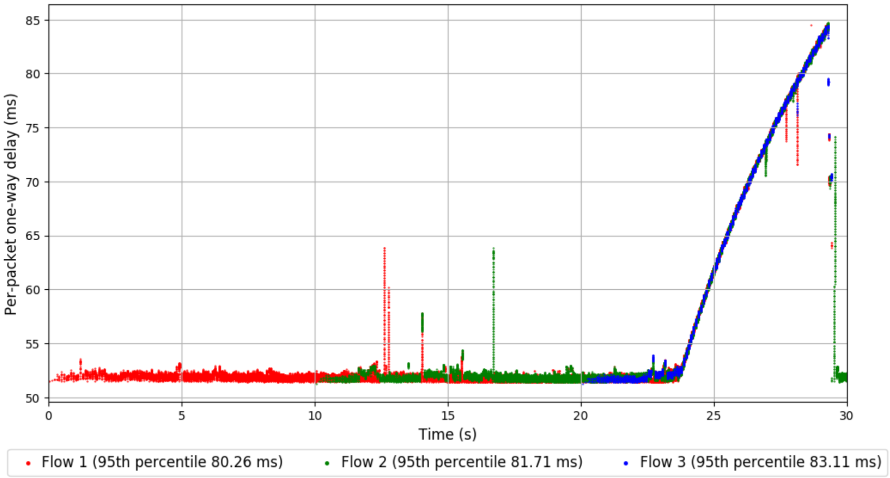




```
Run 1: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:05:13 +0000
End at: Sun, 09 Jul 2017 20:05:43 +0000
Local clock offset: 0.744 ms
Remote clock offset: -2.519 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.23 Mbit/s
95th percentile per-packet one-way delay: 81.243 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 26.59 Mbit/s
95th percentile per-packet one-way delay: 80.256 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 81.710 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 83.113 ms
Loss rate: 0.89%
```

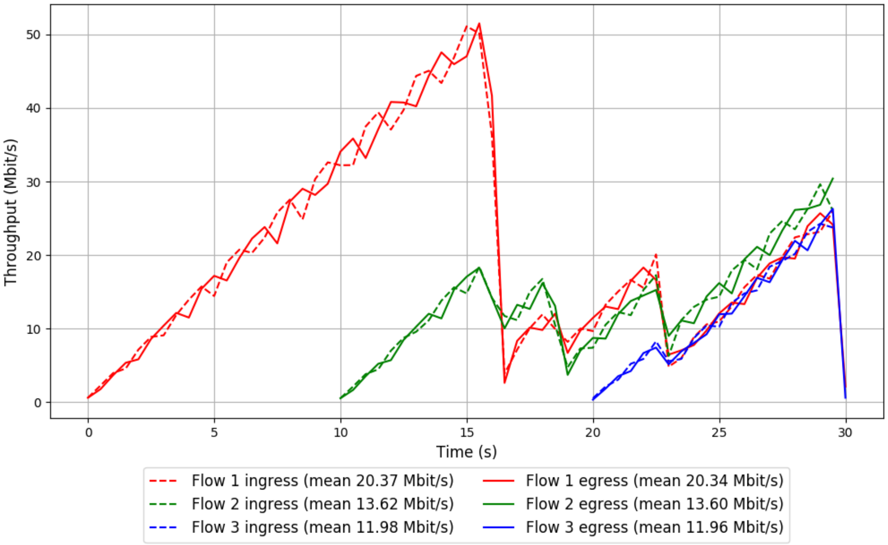
Run 1: Report of LEDBAT — Data Link

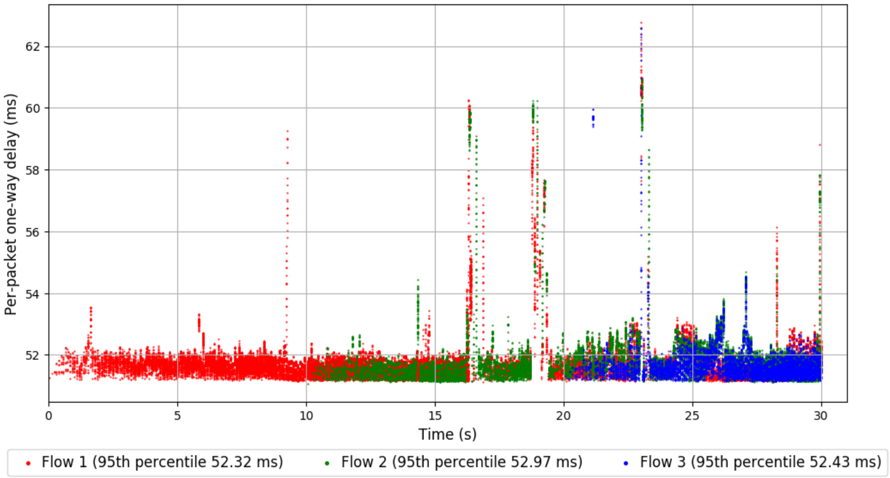




```
Run 2: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:25:40 +0000
End at: Sun, 09 Jul 2017 20:26:10 +0000
Local clock offset: 0.548 ms
Remote clock offset: -0.422 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 52.572 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 52.323 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 52.966 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 52.430 ms
Loss rate: 0.18%
```

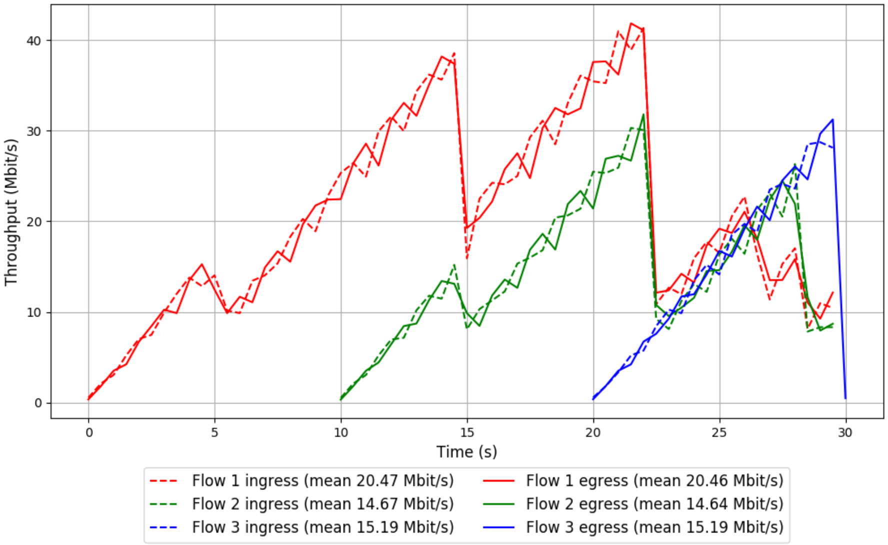
Run 2: Report of LEDBAT — Data Link

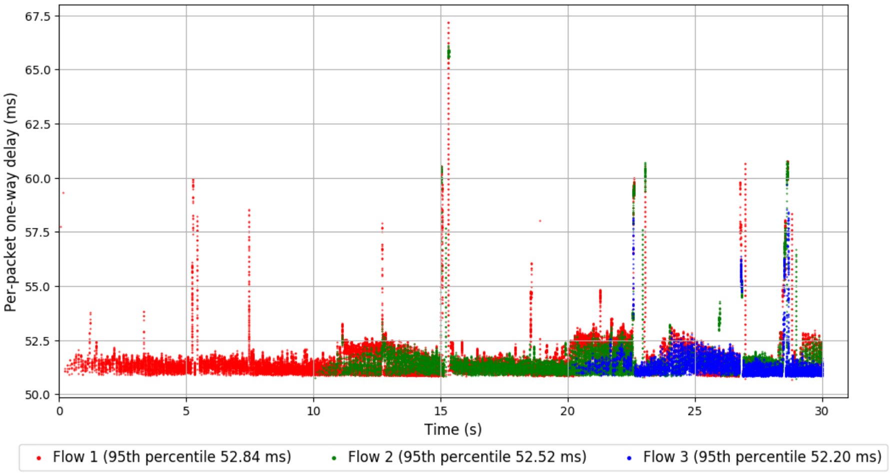




```
Run 3: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:46:13 +0000
End at: Sun, 09 Jul 2017 20:46:43 +0000
Local clock offset: 0.459 ms
Remote clock offset: 0.358 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 52.780 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 52.835 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 52.523 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 52.199 ms
Loss rate: 0.01%
```

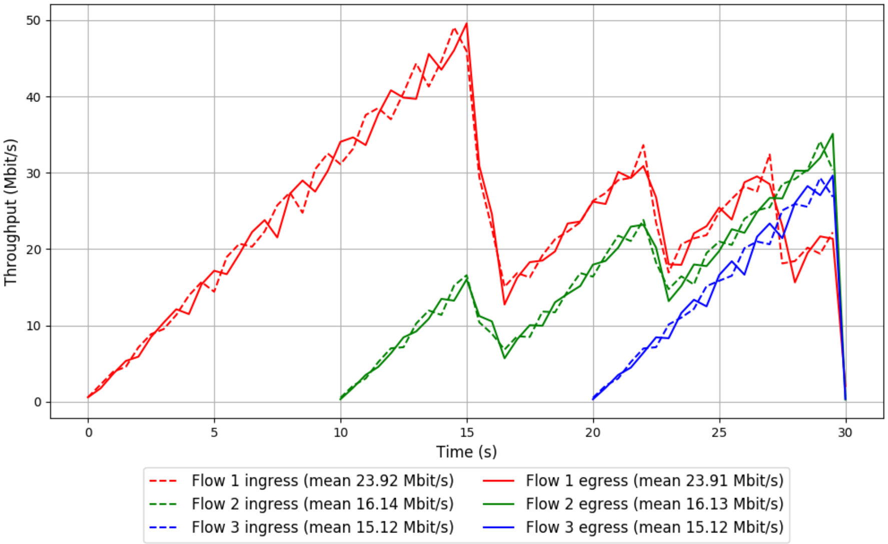
Run 3: Report of LEDBAT — Data Link

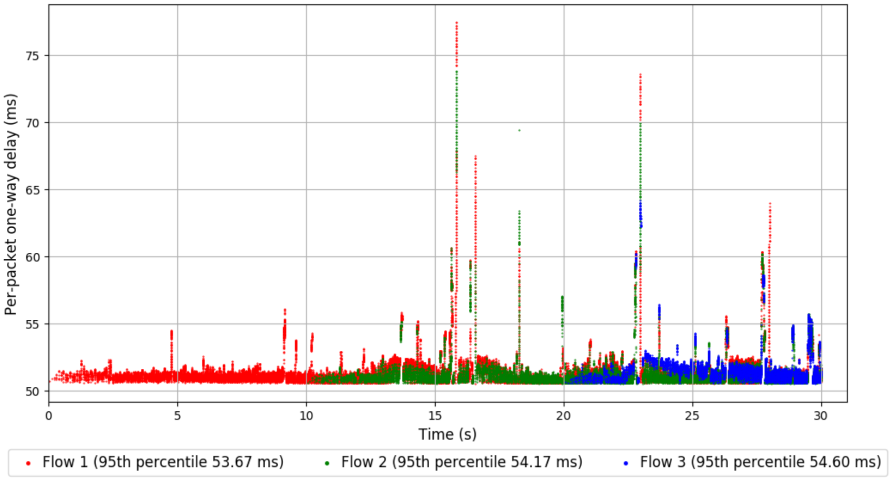




```
Run 4: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:06:55 +0000
End at: Sun, 09 Jul 2017 21:07:25 +0000
Local clock offset: 0.313 ms
Remote clock offset: -2.106 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 54.008 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 53.669 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 54.166 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 15.12 Mbit/s
95th percentile per-packet one-way delay: 54.605 ms
Loss rate: 0.01%
```

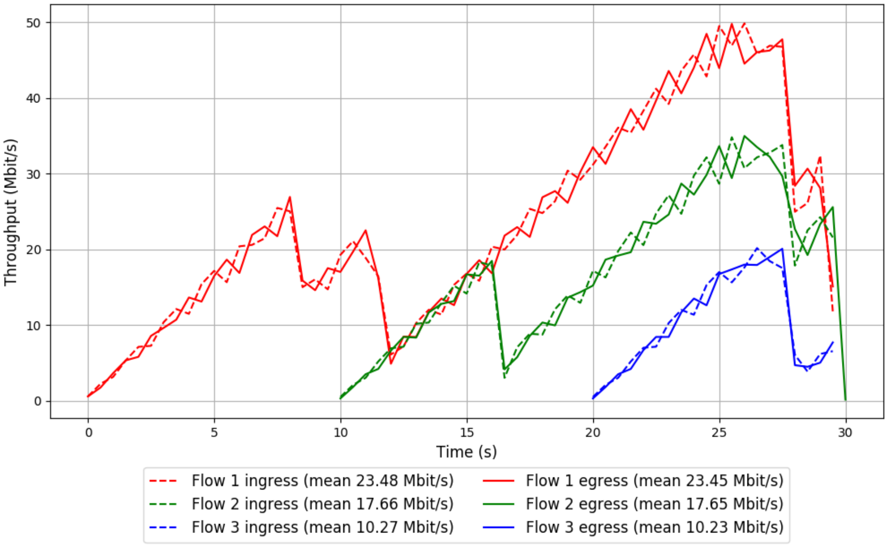
Run 4: Report of LEDBAT — Data Link

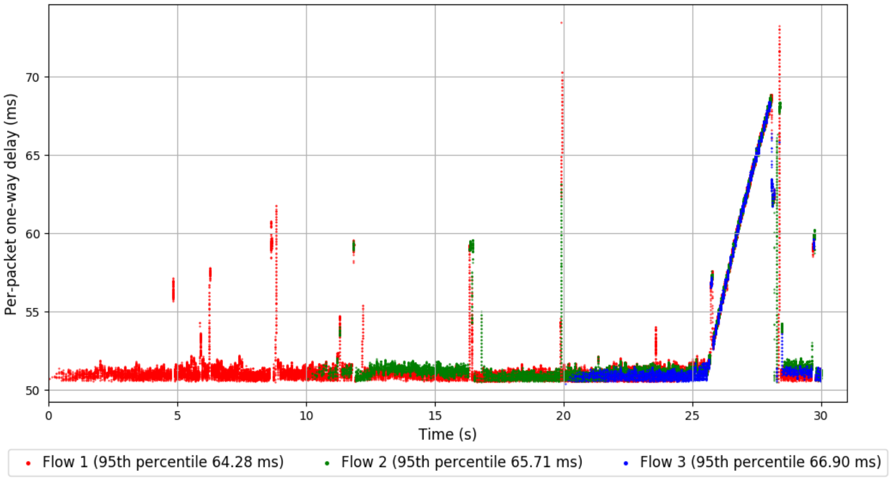




```
Run 5: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:27:55 +0000
End at: Sun, 09 Jul 2017 21:28:25 +0000
Local clock offset: 0.142 ms
Remote clock offset: -2.148 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 65.327 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 64.276 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 65.707 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 66.898 ms
Loss rate: 0.36%
```

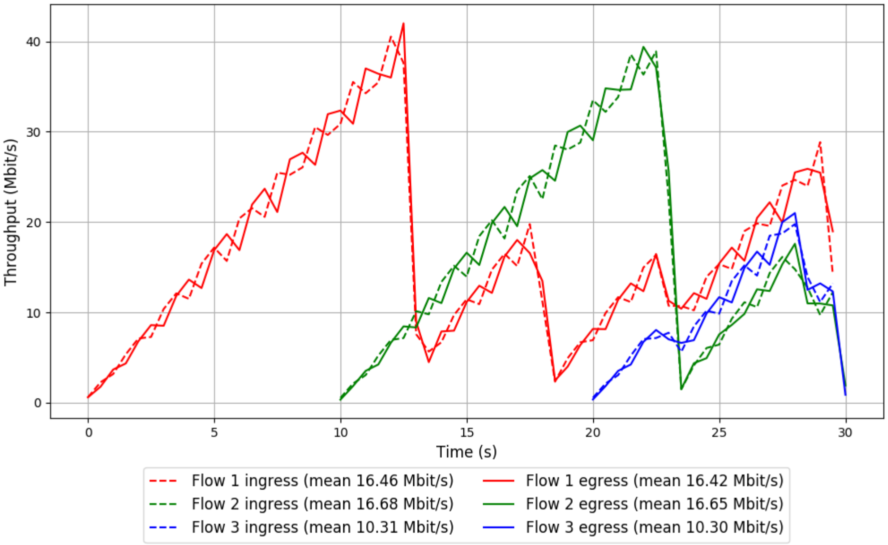
Run 5: Report of LEDBAT — Data Link

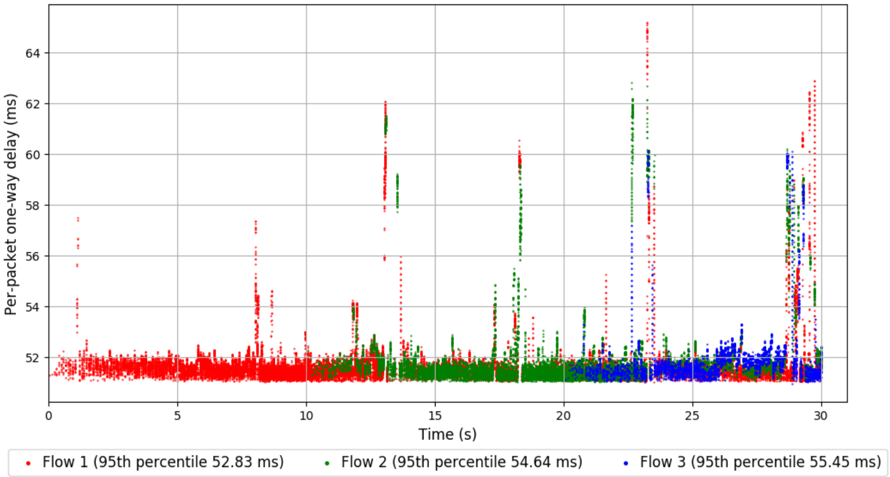




```
Run 6: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:48:48 +0000
End at: Sun, 09 Jul 2017 21:49:18 +0000
Local clock offset: 0.233 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:24:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 53.619 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 52.833 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 16.65 Mbit/s
95th percentile per-packet one-way delay: 54.637 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 55.455 ms
Loss rate: 0.14%
```

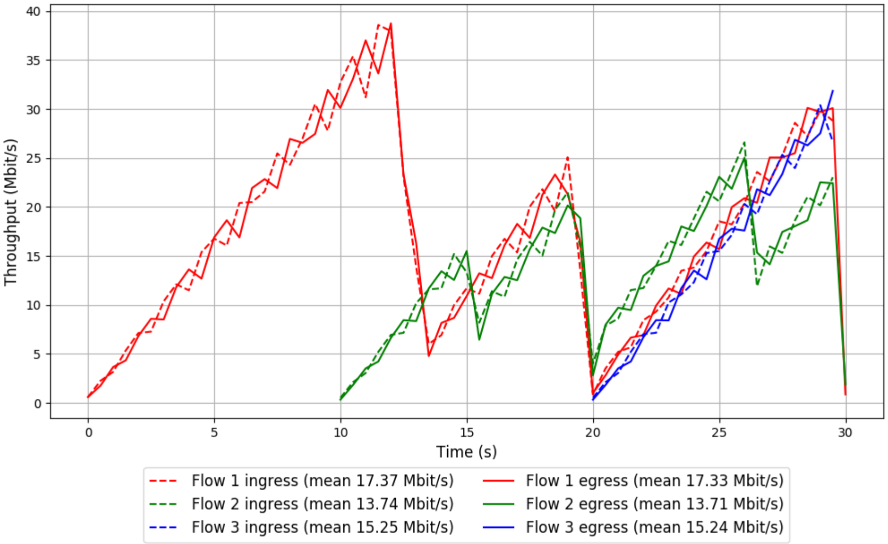
Run 6: Report of LEDBAT — Data Link

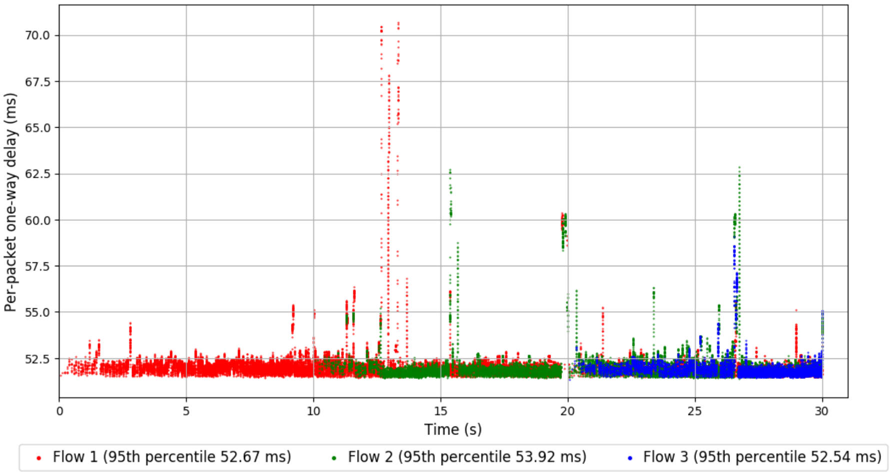




```
Run 7: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:09:27 +0000
End at: Sun, 09 Jul 2017 22:09:57 +0000
Local clock offset: 0.329 ms
Remote clock offset: -2.935 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 52.813 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 52.674 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 13.71 Mbit/s
95th percentile per-packet one-way delay: 53.924 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 52.543 ms
Loss rate: 0.00%
```

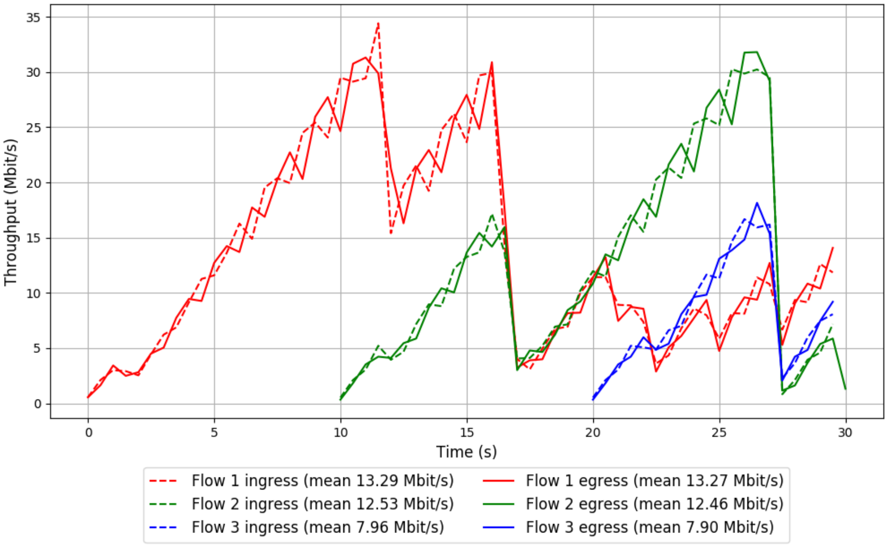
Run 7: Report of LEDBAT — Data Link

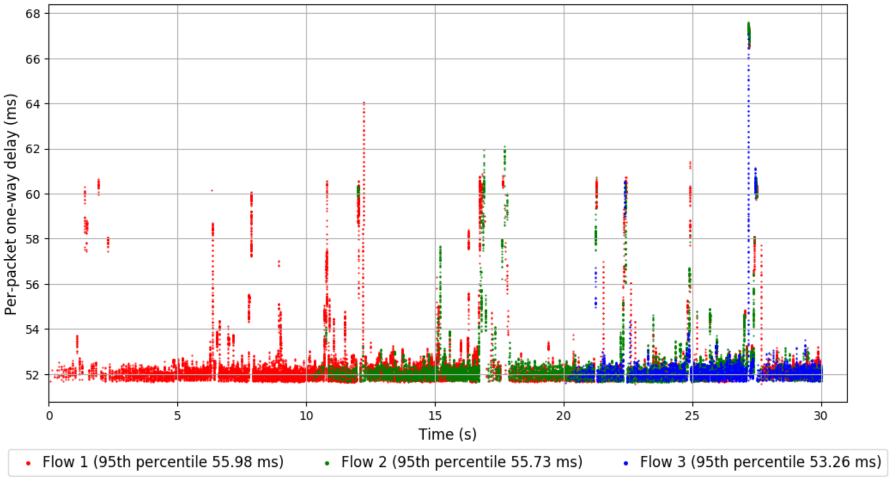




```
Run 8: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:30:33 +0000
End at: Sun, 09 Jul 2017 22:31:03 +0000
Local clock offset: 0.415 ms
Remote clock offset: -0.499 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 55.618 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 55.979 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 55.725 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 53.259 ms
Loss rate: 0.76%
```

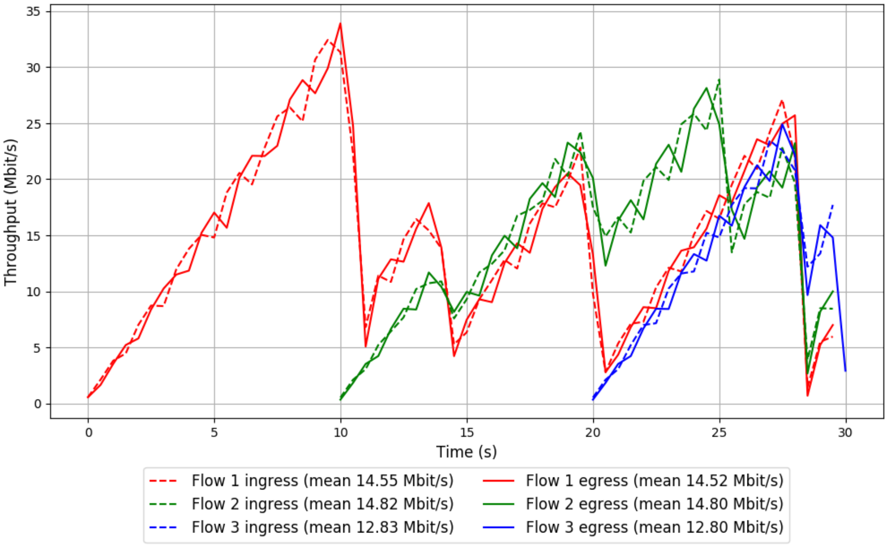
Run 8: Report of LEDBAT — Data Link

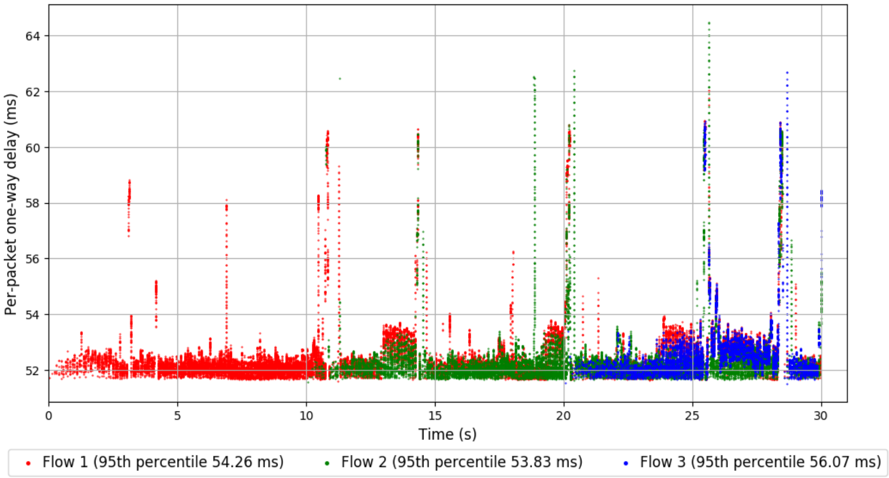




```
Run 9: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:51:02 +0000
End at: Sun, 09 Jul 2017 22:51:32 +0000
Local clock offset: 0.402 ms
Remote clock offset: -3.049 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:06 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.59 Mbit/s
95th percentile per-packet one-way delay: 54.485 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 54.262 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 53.832 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 56.069 ms
Loss rate: 0.13%
```

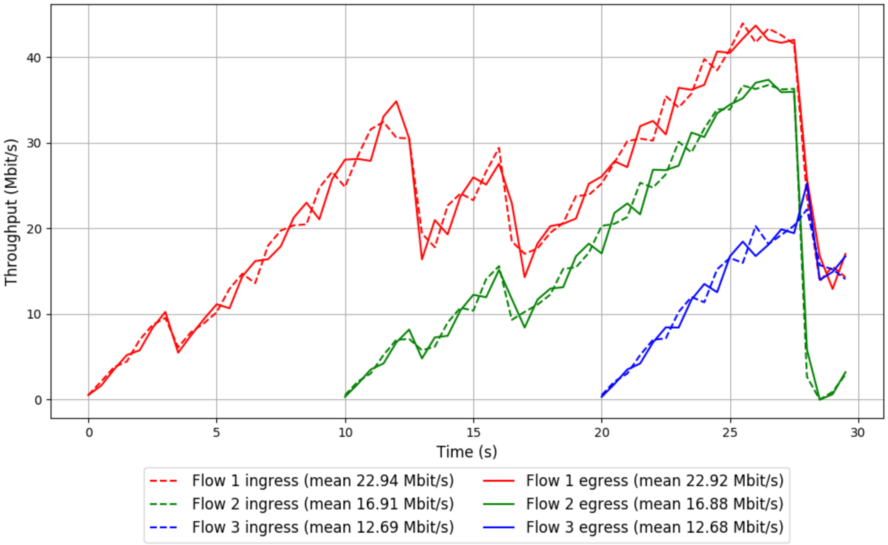
Run 9: Report of LEDBAT — Data Link

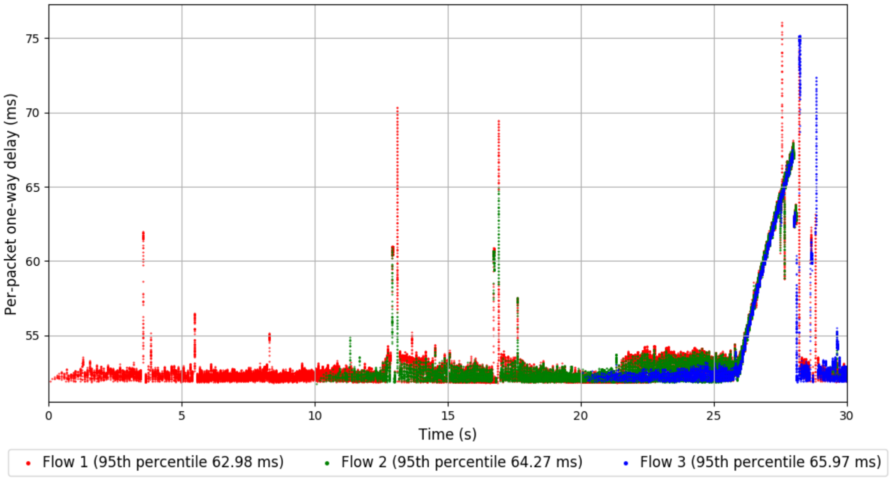




```
Run 10: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:11:32 +0000
End at: Sun, 09 Jul 2017 23:12:02 +0000
Local clock offset: 0.513 ms
Remote clock offset: -0.963 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:11 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.32 Mbit/s
95th percentile per-packet one-way delay: 63.842 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 62.980 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 16.88 Mbit/s
95th percentile per-packet one-way delay: 64.269 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 65.967 ms
Loss rate: 0.04%
```

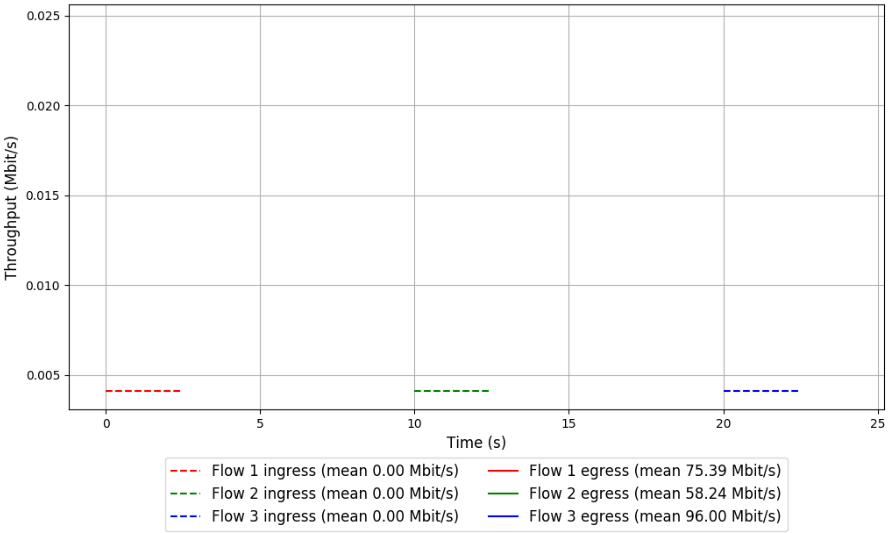
Run 10: Report of LEDBAT — Data Link

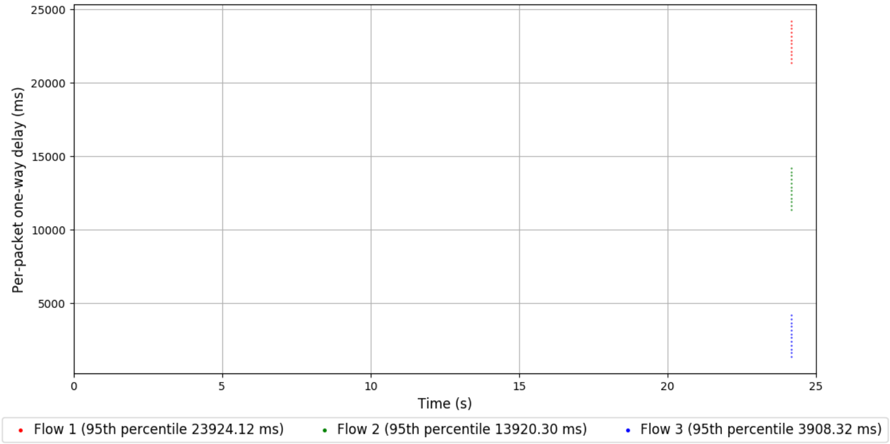




```
Run 1: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:13:29 +0000
End at: Sun, 09 Jul 2017 20:13:59 +0000
Local clock offset: 0.666 ms
Remote clock offset: -2.415 ms
```

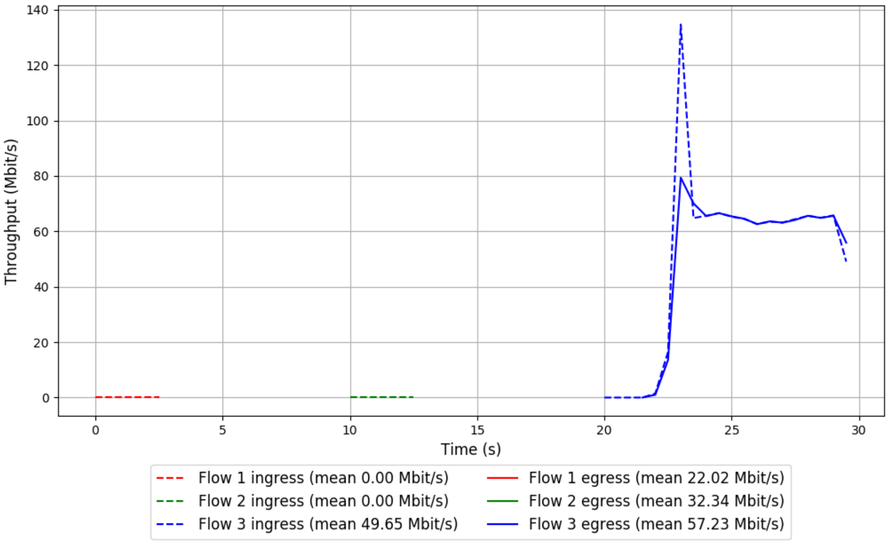
Run 1: Report of PCC — Data Link

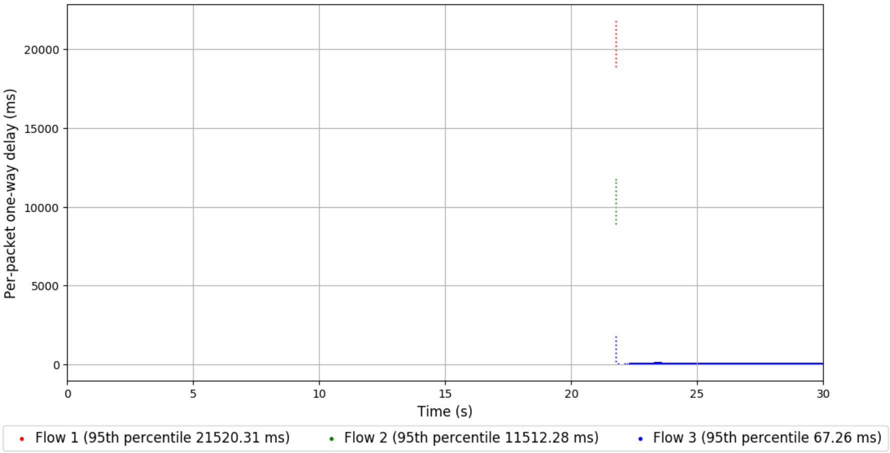




```
Run 2: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:33:56 +0000
End at: Sun, 09 Jul 2017 20:34:26 +0000
Local clock offset: 0.417 ms
Remote clock offset: -0.316 ms
```

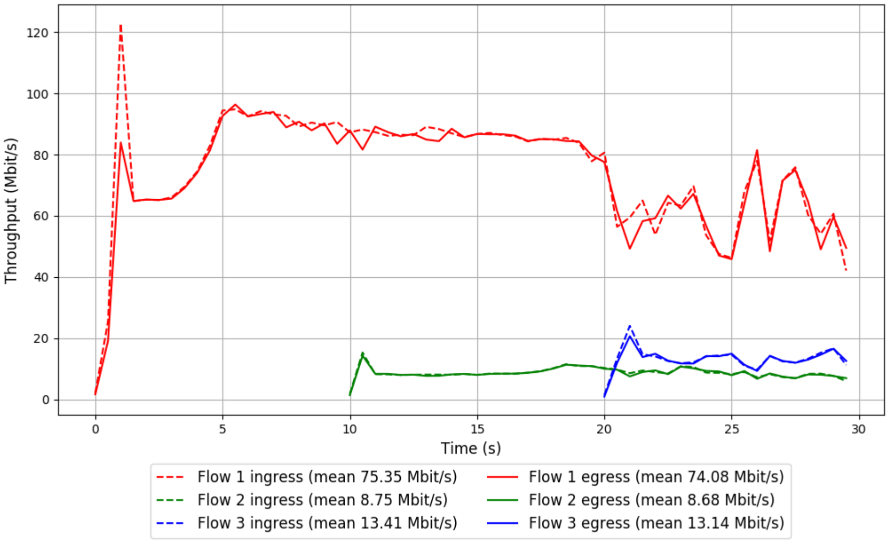
Run 2: Report of PCC — Data Link

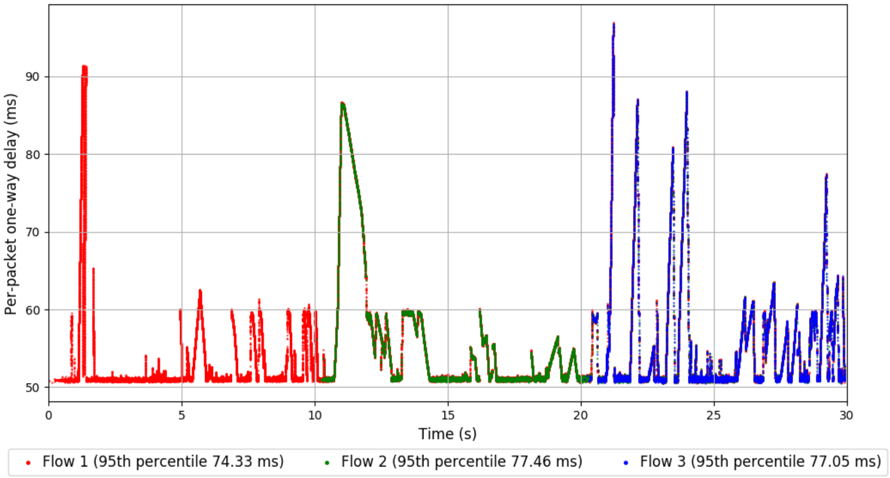




```
Run 3: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:54:31 +0000
End at: Sun, 09 Jul 2017 20:55:01 +0000
Local clock offset: 0.438 ms
Remote clock offset: 0.396 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 74.870 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 74.08 Mbit/s
95th percentile per-packet one-way delay: 74.330 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 77.460 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 77.047 ms
Loss rate: 2.01%
```

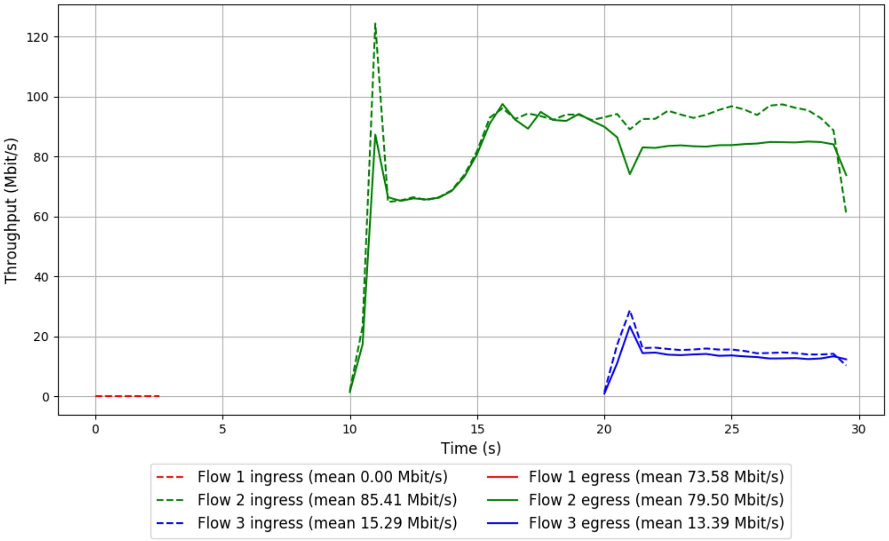
Run 3: Report of PCC — Data Link

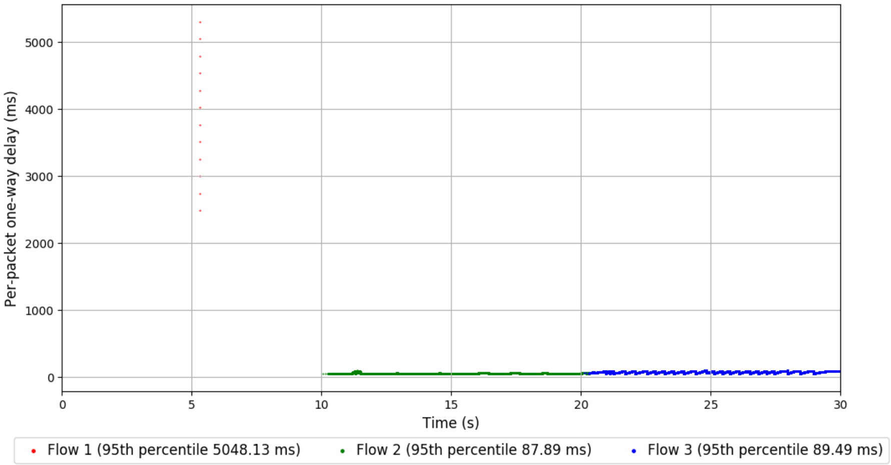




```
Run 4: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:15:33 +0000
End at: Sun, 09 Jul 2017 21:16:03 +0000
Local clock offset: 0.178 ms
Remote clock offset: -1.95 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.49 Mbit/s
95th percentile per-packet one-way delay: 88.096 ms
Loss rate: 7.22%
-- Flow 1:
Average throughput: 73.58 Mbit/s
95th percentile per-packet one-way delay: 5048.134 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 87.887 ms
Loss rate: 6.78%
-- Flow 3:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 89.488 ms
Loss rate: 12.19%
```

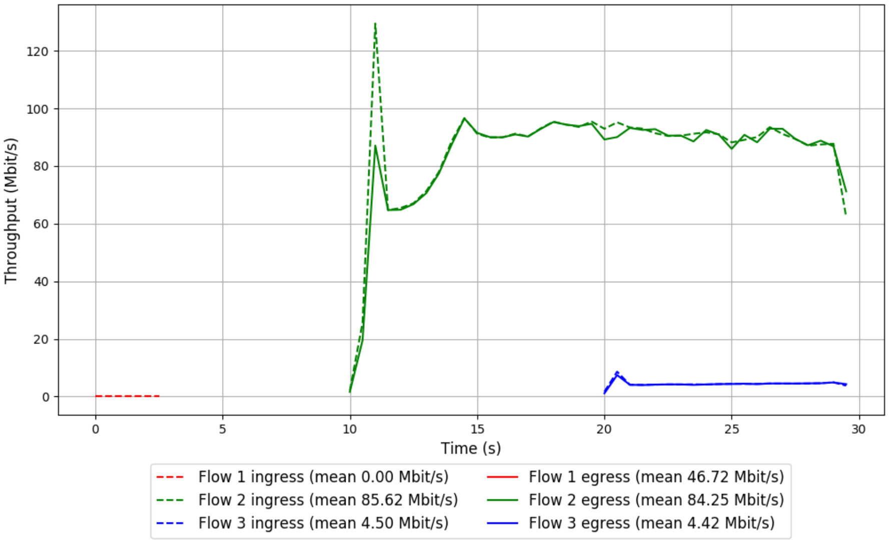
Run 4: Report of PCC — Data Link

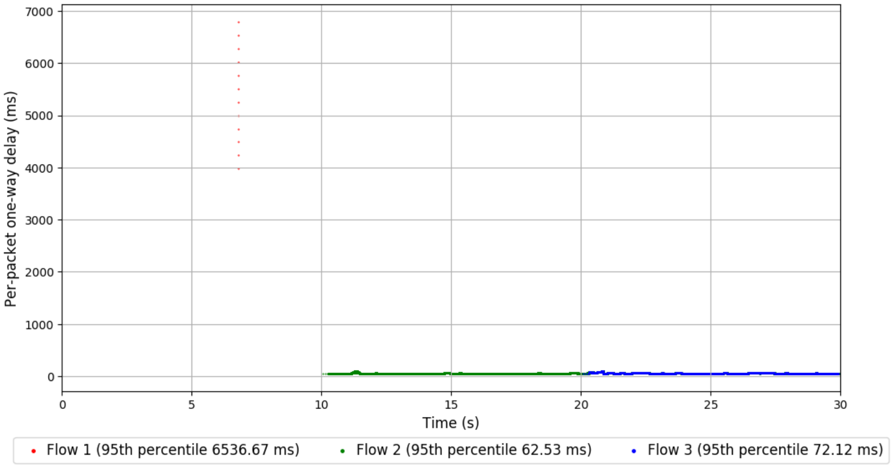




```
Run 5: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:36:29 +0000
End at: Sun, 09 Jul 2017 21:36:59 +0000
Local clock offset: 0.28 ms
Remote clock offset: -2.132 ms
```

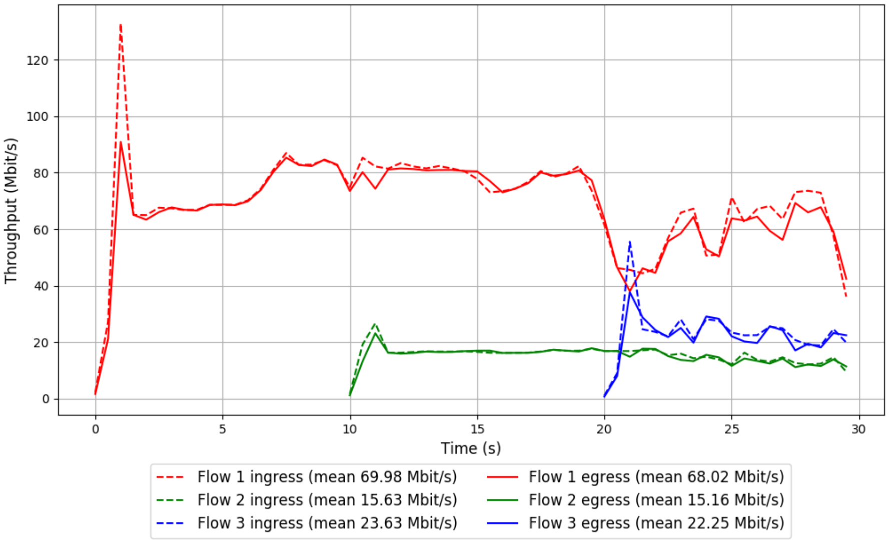
Run 5: Report of PCC — Data Link

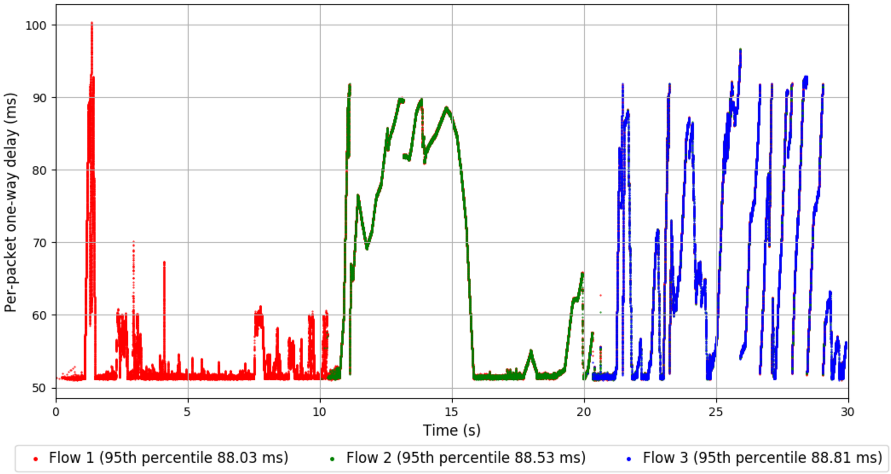




```
Run 6: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:57:06 +0000
End at: Sun, 09 Jul 2017 21:57:36 +0000
Local clock offset: 0.207 ms
Remote clock offset: -0.711 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 88.146 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 88.032 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 88.528 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 88.808 ms
Loss rate: 5.79%
```

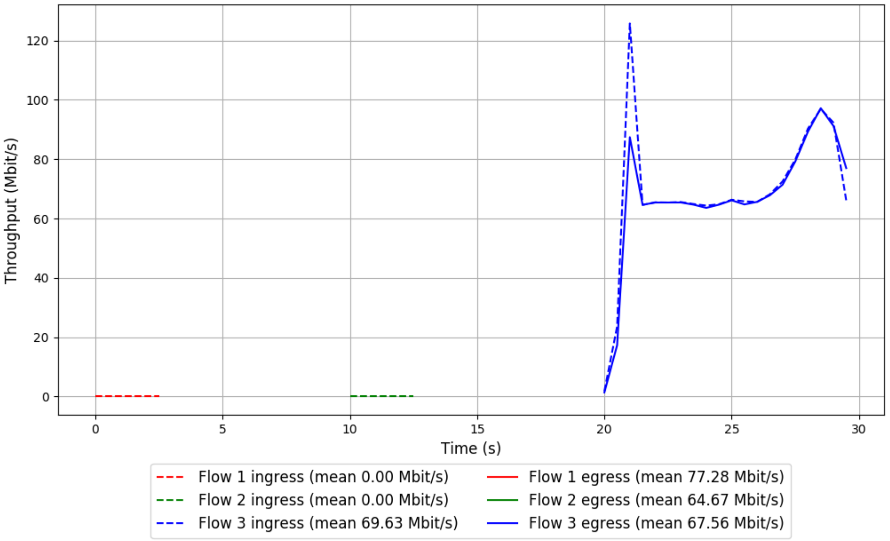
Run 6: Report of PCC — Data Link

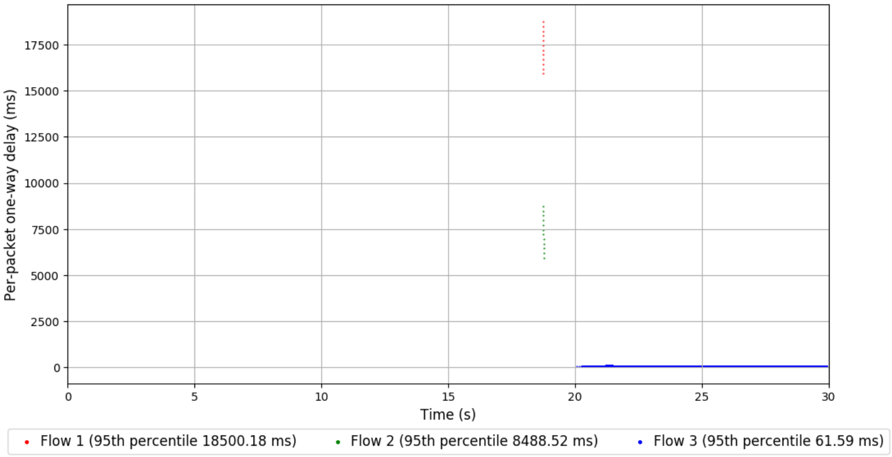




```
Run 7: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:17:51 +0000
End at: Sun, 09 Jul 2017 22:18:21 +0000
Local clock offset: 0.357 ms
Remote clock offset: -3.027 ms
```

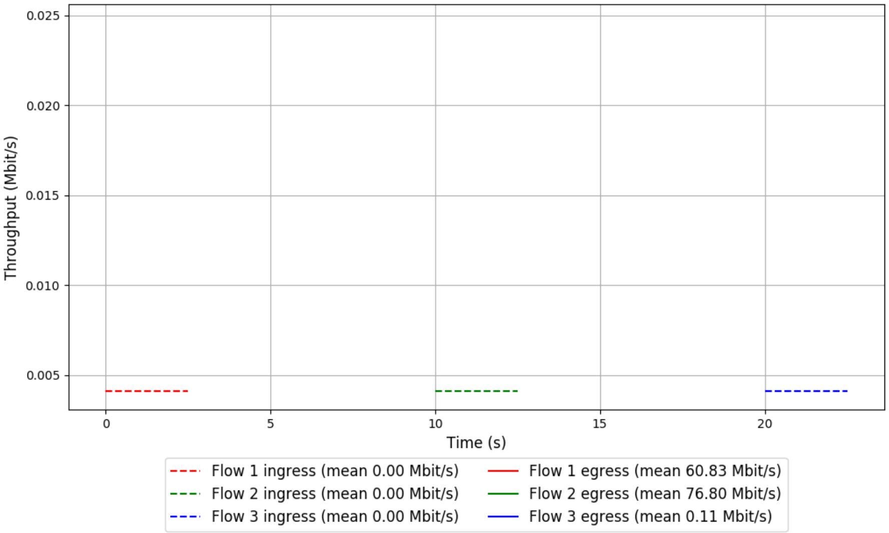
Run 7: Report of PCC — Data Link

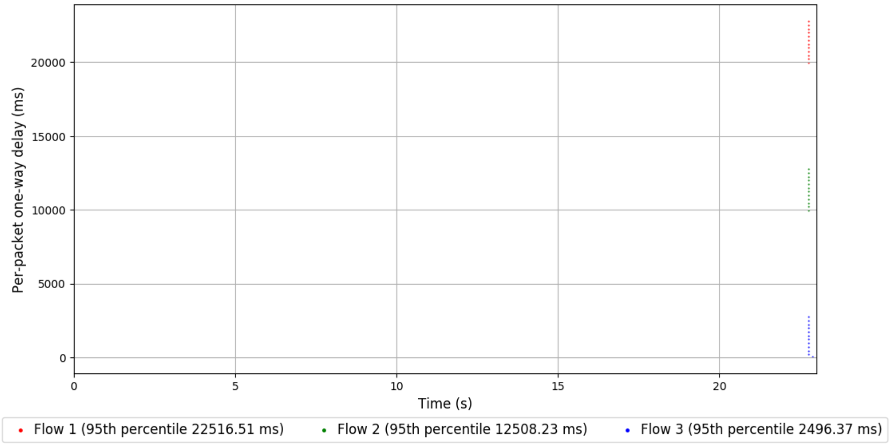




```
Run 8: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:38:49 +0000
End at: Sun, 09 Jul 2017 22:39:19 +0000
Local clock offset: 0.467 ms
Remote clock offset: -0.461 ms
```

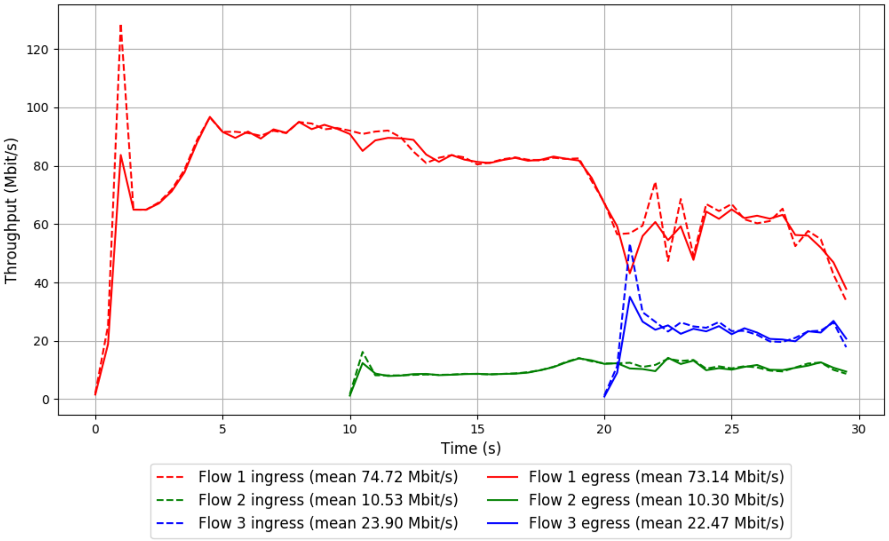
Run 8: Report of PCC — Data Link

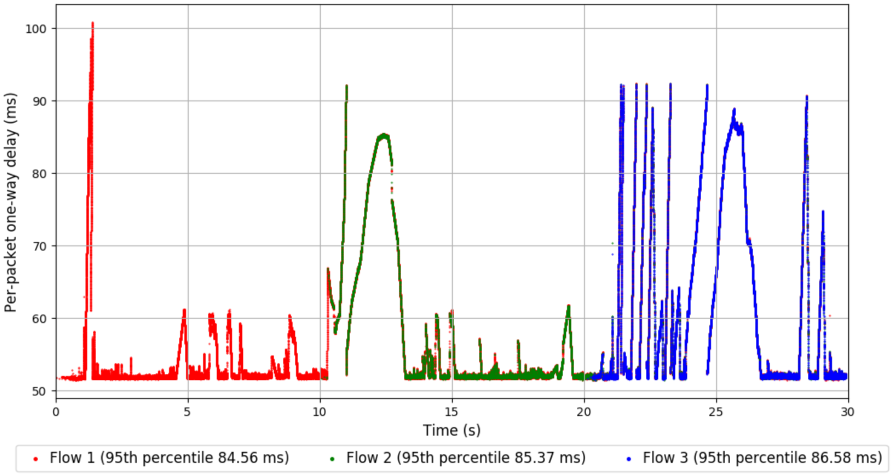




```
Run 9: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:59:17 +0000
End at: Sun, 09 Jul 2017 22:59:47 +0000
Local clock offset: 0.528 ms
Remote clock offset: -2.962 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 84.956 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 73.14 Mbit/s
95th percentile per-packet one-way delay: 84.561 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 85.373 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 6.01%
```

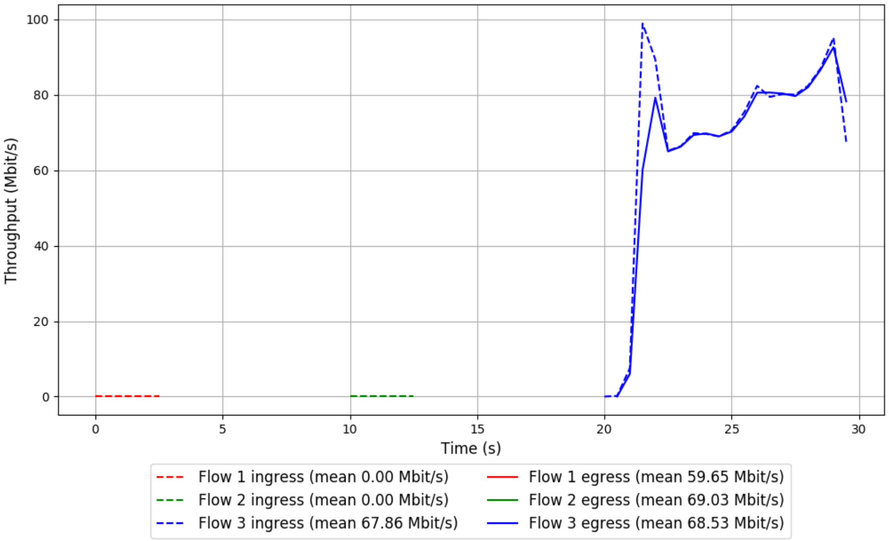
Run 9: Report of PCC — Data Link

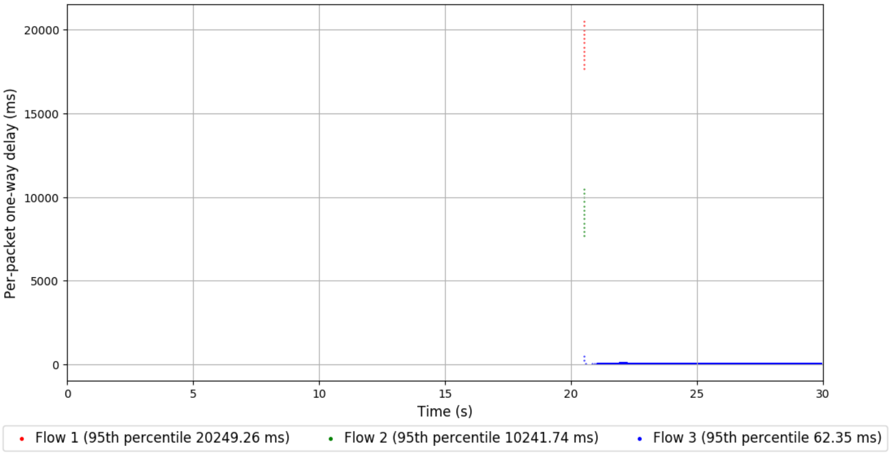




```
Run 10: Statistics of PCC

Start at: Sun, 09 Jul 2017 23:19:49 +0000
End at: Sun, 09 Jul 2017 23:20:19 +0000
Local clock offset: 0.677 ms
Remote clock offset: -0.576 ms
```

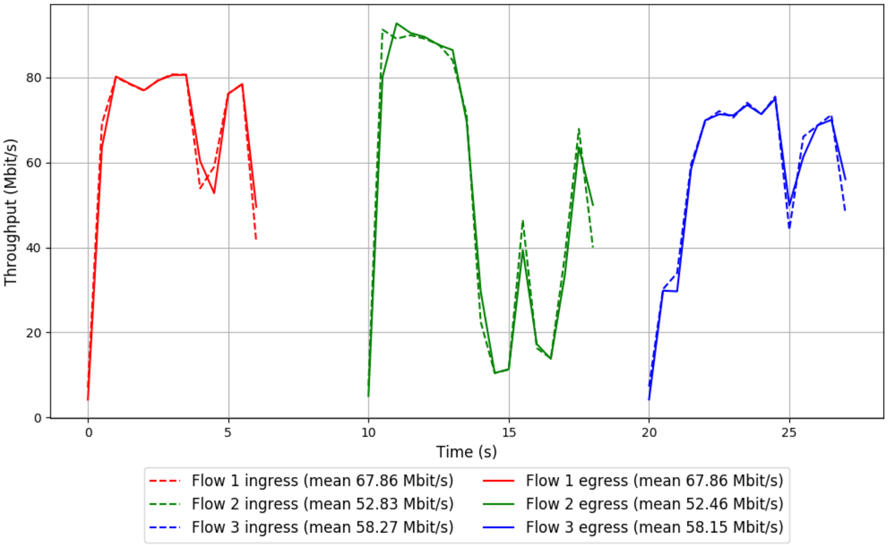
Run 10: Report of PCC — Data Link

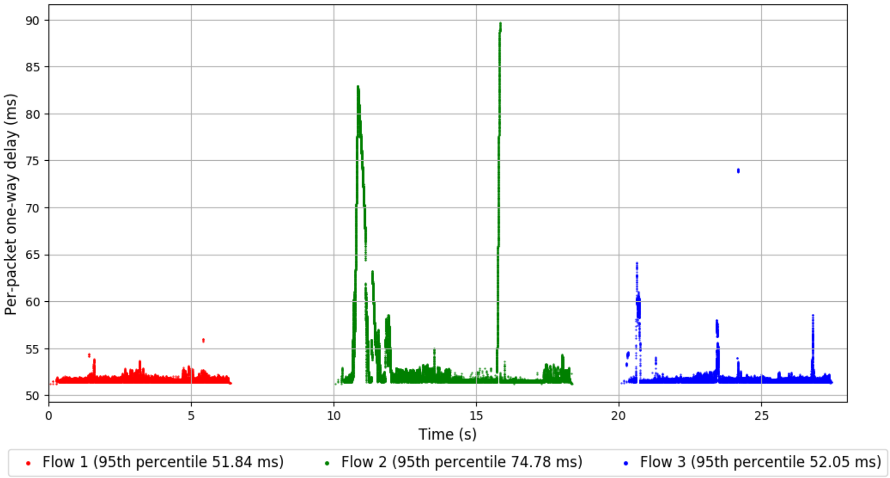




```
Run 1: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 19:59:48 +0000
End at: Sun, 09 Jul 2017 20:00:18 +0000
Local clock offset: 0.677 ms
Remote clock offset: -2.442 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 57.868 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 51.836 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 74.783 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 52.053 ms
Loss rate: 0.20%
```

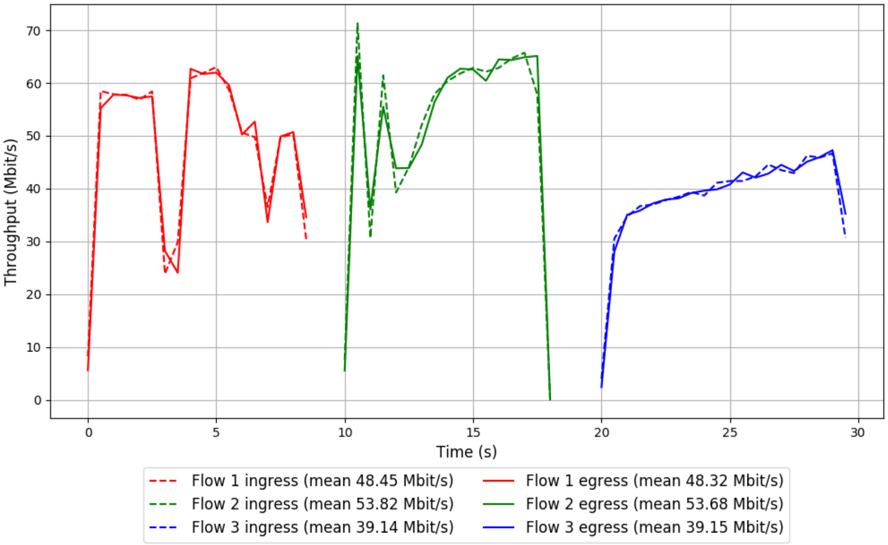
Run 1: Report of QUIC Cubic — Data Link

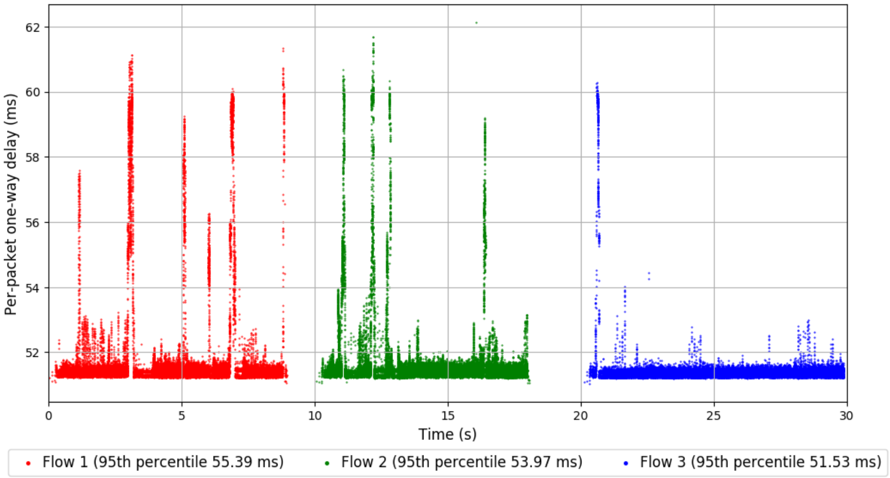




```
Run 2: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:20:17 +0000
End at: Sun, 09 Jul 2017 20:20:47 +0000
Local clock offset: 0.514 ms
Remote clock offset: 0.091 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.63 Mbit/s
95th percentile per-packet one-way delay: 52.732 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 55.394 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 53.969 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 51.534 ms
Loss rate: 0.07%
```

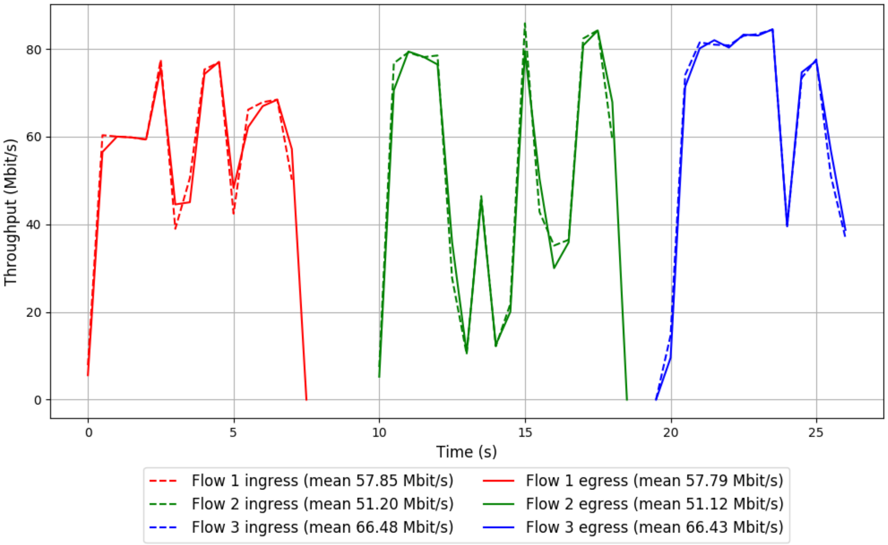
Run 2: Report of QUIC Cubic — Data Link

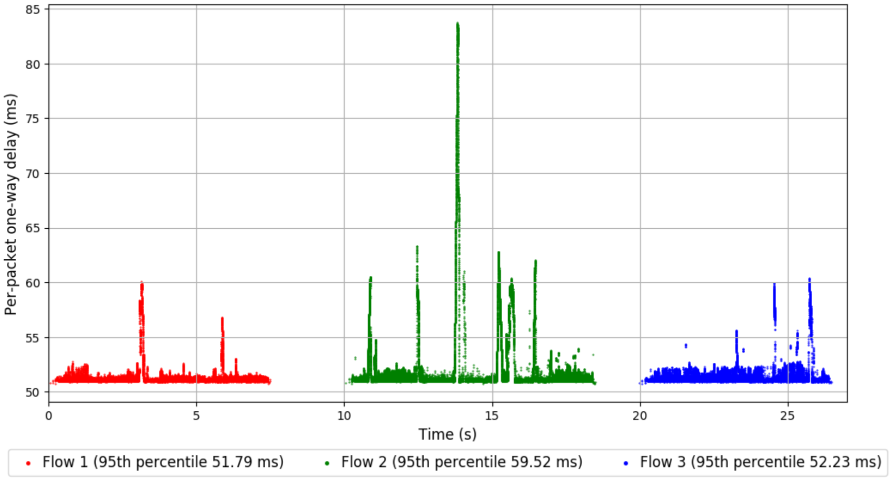




```
Run 3: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:40:48 +0000
End at: Sun, 09 Jul 2017 20:41:18 +0000
Local clock offset: 0.389 ms
Remote clock offset: -2.212 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 56.319 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 51.793 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 59.519 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 52.225 ms
Loss rate: 0.06%
```

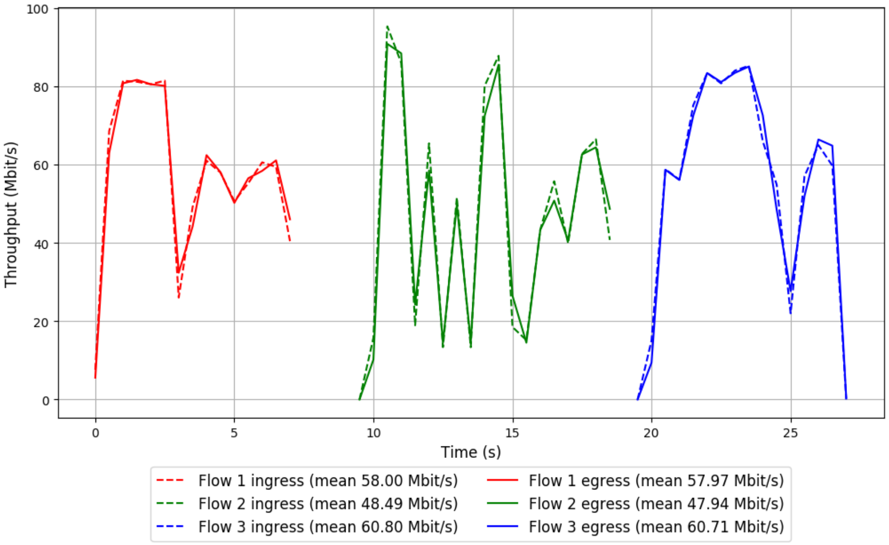
Run 3: Report of QUIC Cubic — Data Link

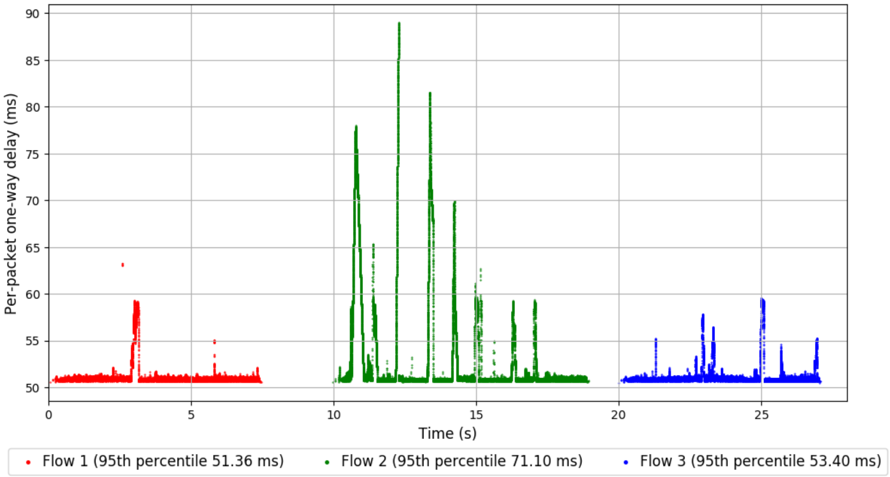




```
Run 4: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:01:24 +0000
End at: Sun, 09 Jul 2017 21:01:54 +0000
Local clock offset: 0.386 ms
Remote clock offset: -2.109 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:25:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 59.030 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 51.357 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 47.94 Mbit/s
95th percentile per-packet one-way delay: 71.102 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: 53.397 ms
Loss rate: 0.14%
```

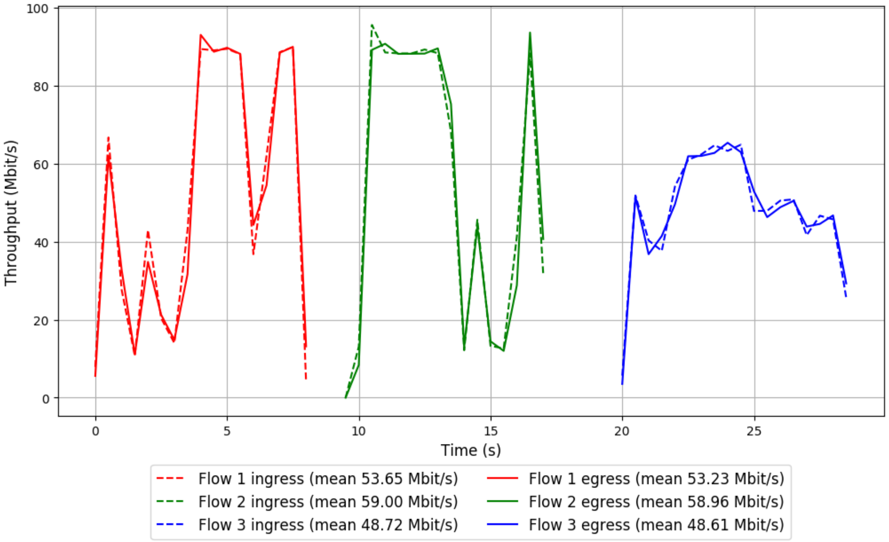
Run 4: Report of QUIC Cubic — Data Link

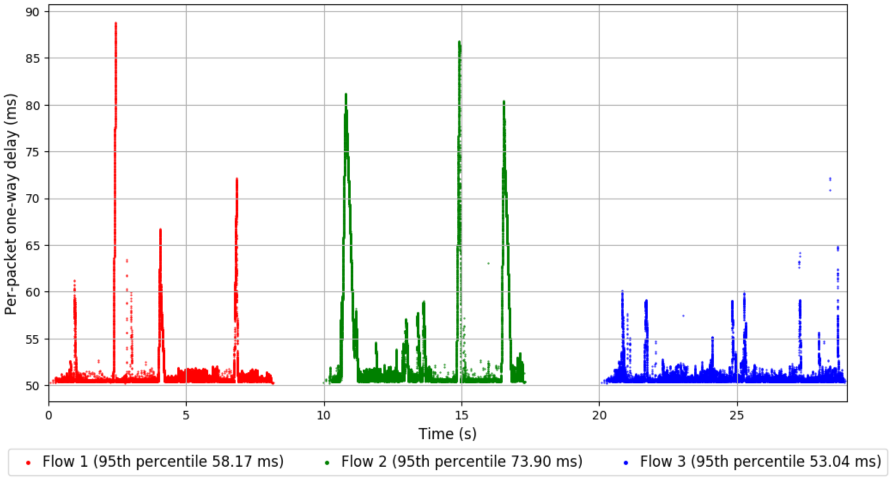




```
Run 5: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:22:31 +0000
End at: Sun, 09 Jul 2017 21:23:01 +0000
Local clock offset: 0.138 ms
Remote clock offset: 0.128 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:00 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.78 Mbit/s
95th percentile per-packet one-way delay: 64.421 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 53.23 Mbit/s
95th percentile per-packet one-way delay: 58.169 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 73.897 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 53.039 ms
Loss rate: 0.22%
```

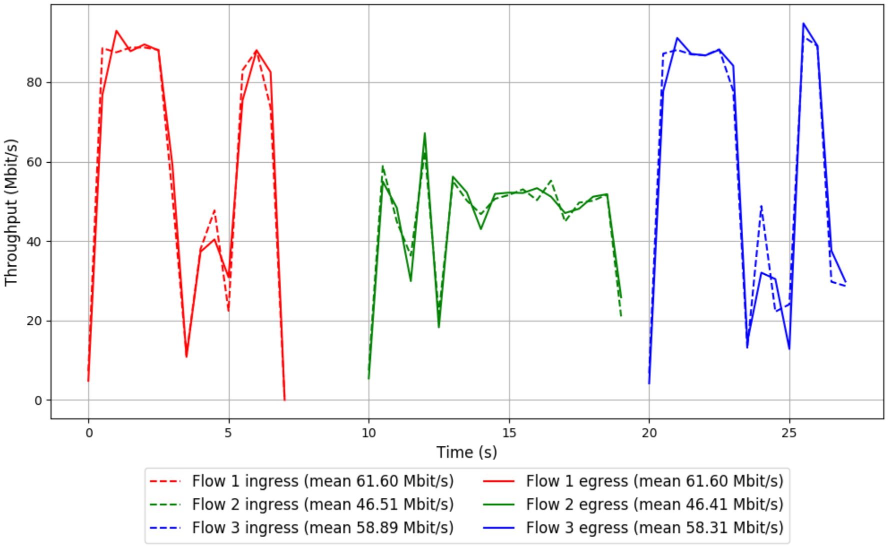
Run 5: Report of QUIC Cubic — Data Link

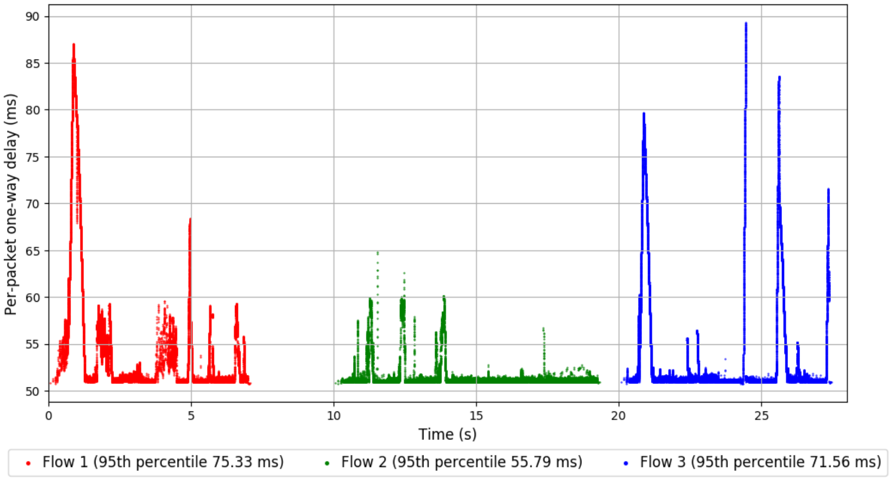




```
Run 6: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:43:25 +0000
End at: Sun, 09 Jul 2017 21:43:55 +0000
Local clock offset: 0.231 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 68.569 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 75.328 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 55.788 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 71.557 ms
Loss rate: 0.98%
```

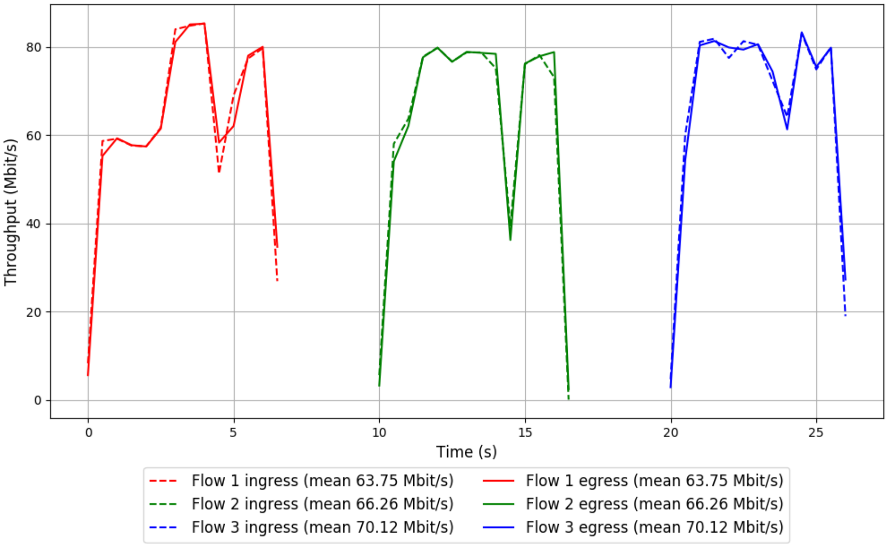
Run 6: Report of QUIC Cubic — Data Link

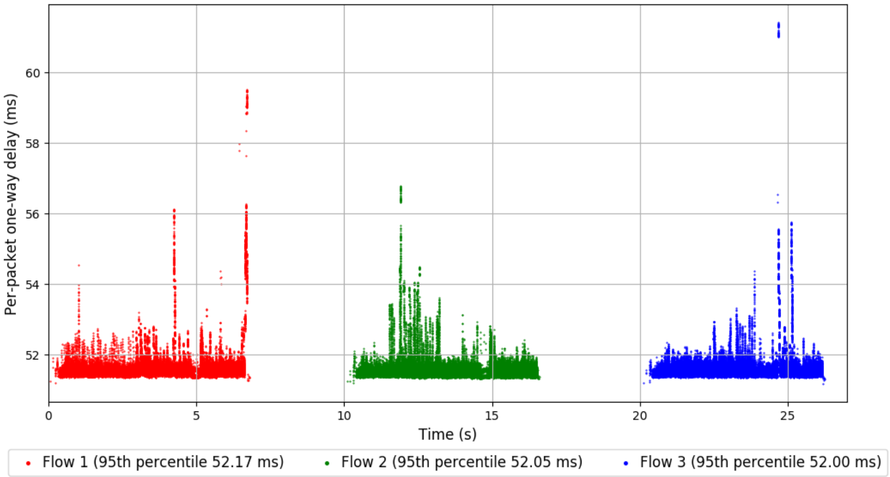




```
Run 7: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:04:00 +0000
End at: Sun, 09 Jul 2017 22:04:30 +0000
Local clock offset: 0.234 ms
Remote clock offset: -0.233 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:07 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 52.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 52.175 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 52.054 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.12 Mbit/s
95th percentile per-packet one-way delay: 52.001 ms
Loss rate: 0.00%
```

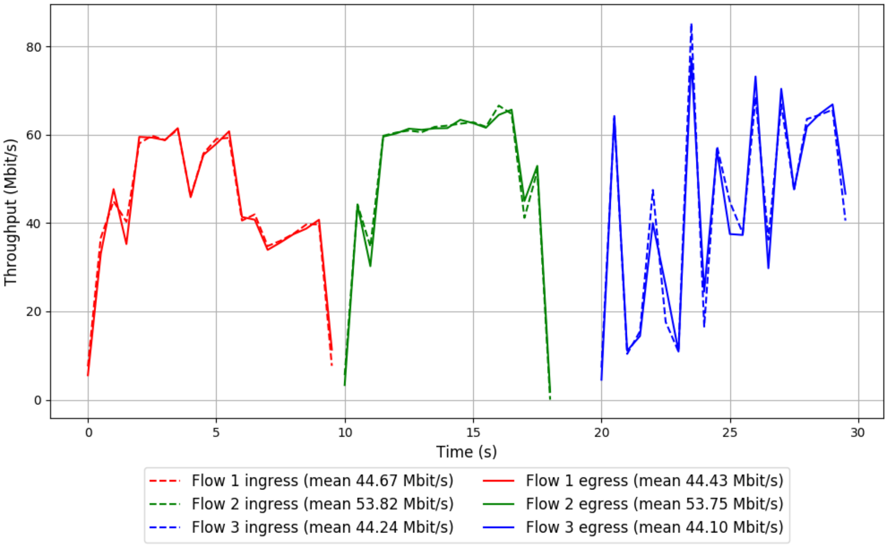
Run 7: Report of QUIC Cubic — Data Link

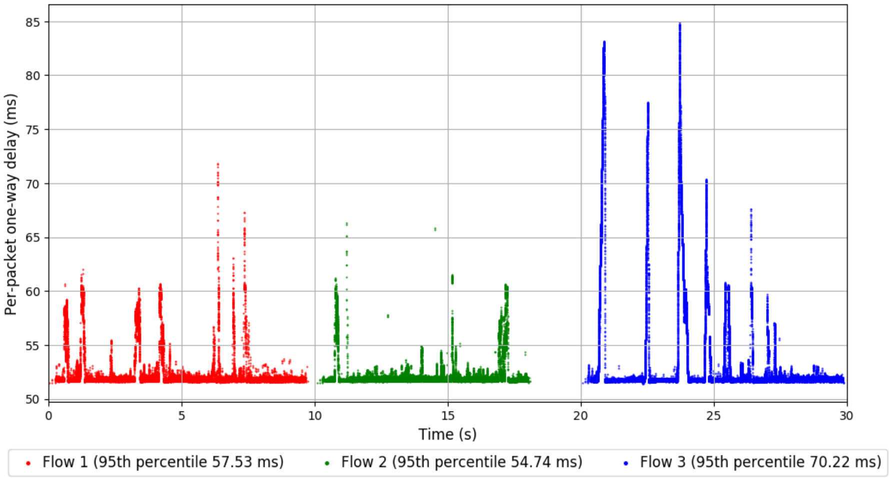




```
Run 8: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:25:01 +0000
End at: Sun, 09 Jul 2017 22:25:32 +0000
Local clock offset: 0.416 ms
Remote clock offset: -3.081 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 59.944 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 57.535 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: 54.743 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 70.223 ms
Loss rate: 0.34%
```

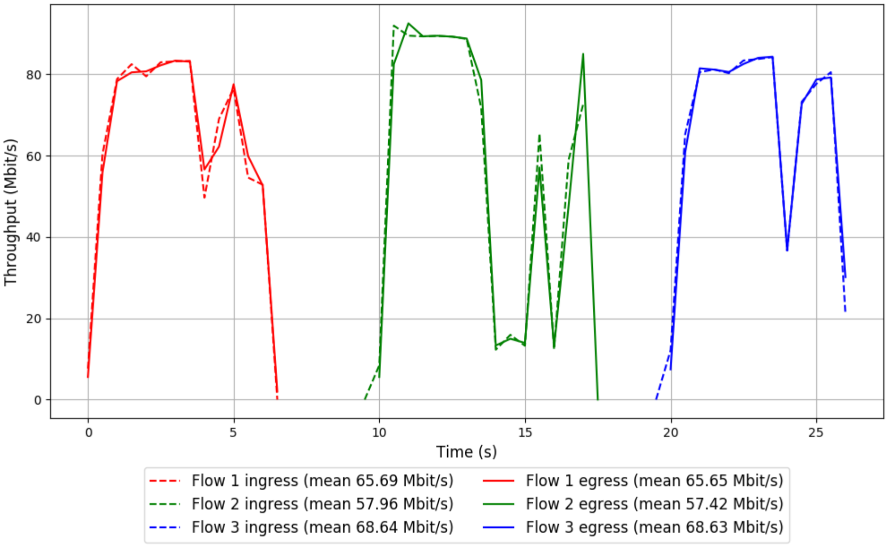
Run 8: Report of QUIC Cubic — Data Link

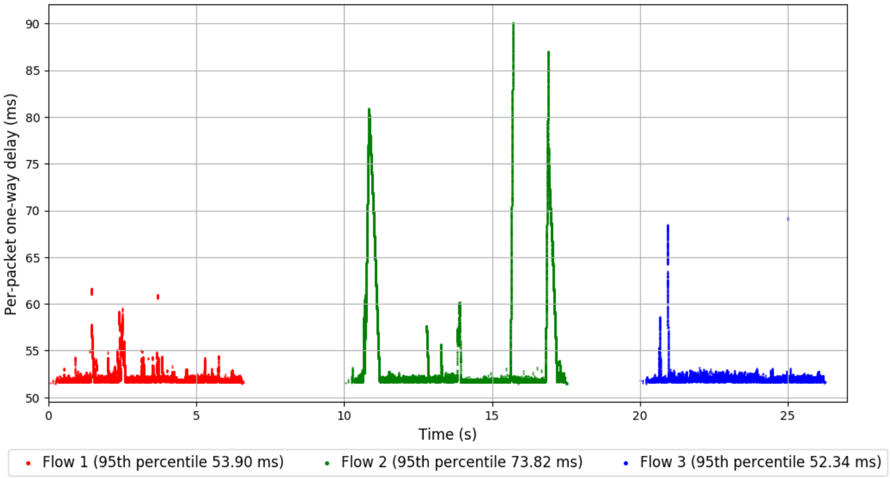




```
Run 9: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:45:39 +0000
End at: Sun, 09 Jul 2017 22:46:09 +0000
Local clock offset: 0.465 ms
Remote clock offset: -0.484 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 53.903 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 73.820 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 68.63 Mbit/s
95th percentile per-packet one-way delay: 52.340 ms
Loss rate: 0.01%
```

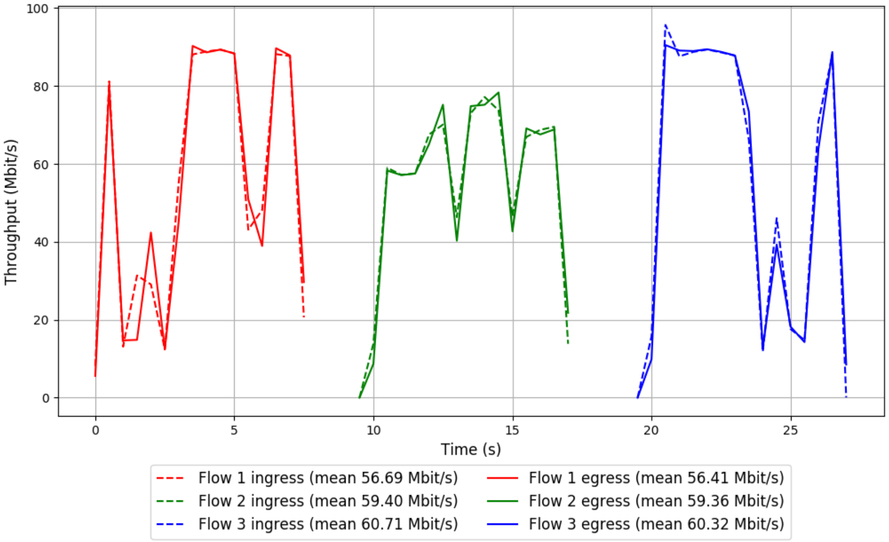
Run 9: Report of QUIC Cubic — Data Link

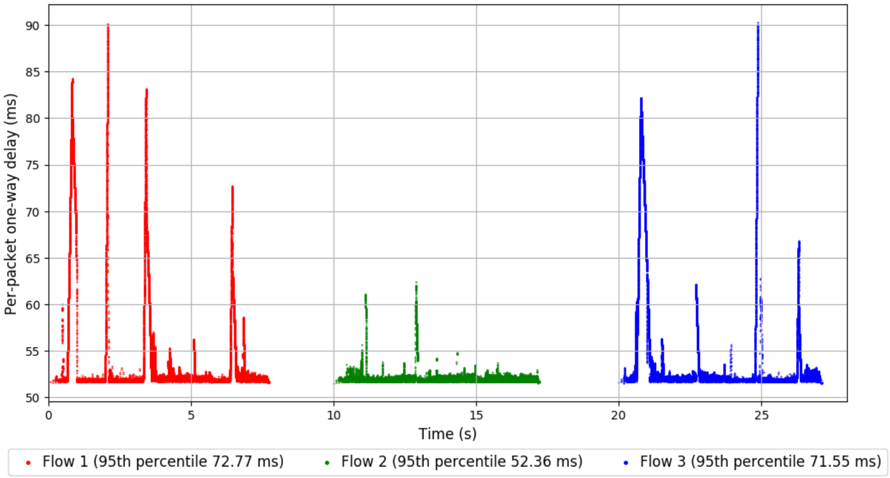




```
Run 10: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 23:06:08 +0000
End at: Sun, 09 Jul 2017 23:06:38 +0000
Local clock offset: 0.482 ms
Remote clock offset: -0.399 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 67.657 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 72.774 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 52.359 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 71.548 ms
Loss rate: 0.64%
```

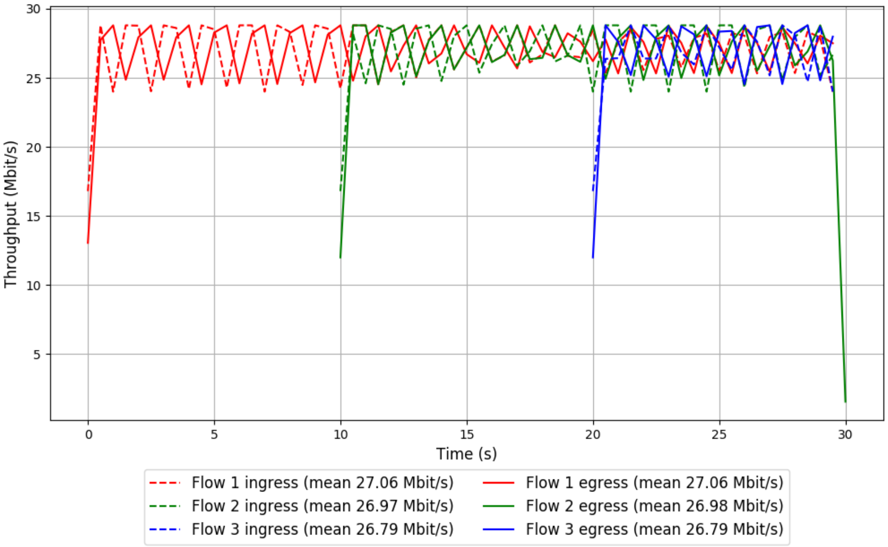
Run 10: Report of QUIC Cubic — Data Link

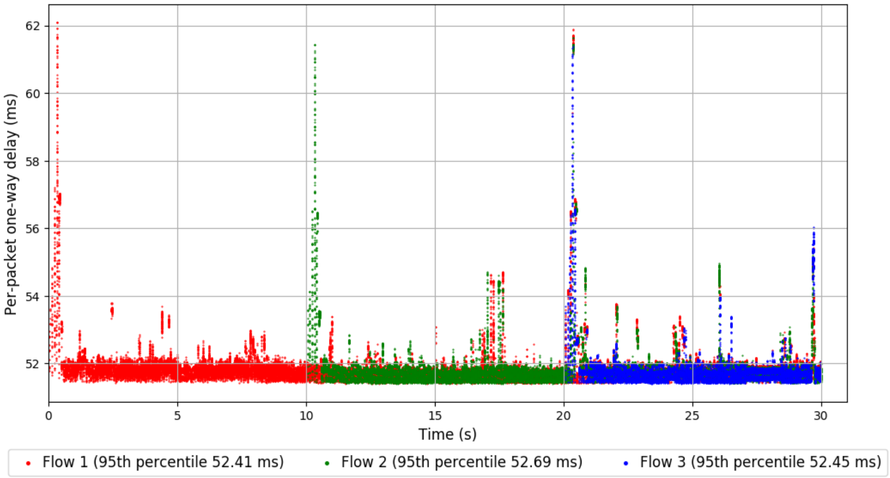




```
Run 1: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:02:28 +0000
End at: Sun, 09 Jul 2017 20:02:58 +0000
Local clock offset: 0.67 ms
Remote clock offset: -2.496 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 52.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.06 Mbit/s
95th percentile per-packet one-way delay: 52.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 52.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 52.448 ms
Loss rate: 0.00%
```

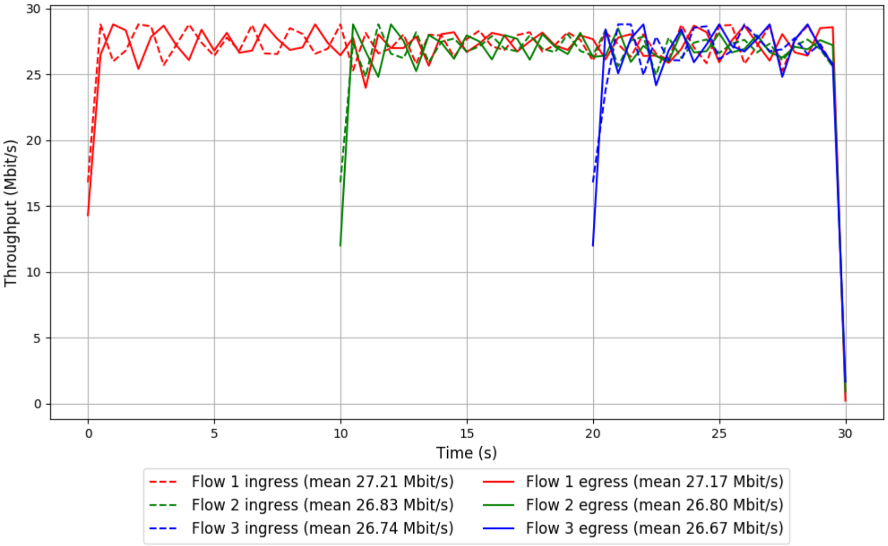
Run 1: Report of Saturator — Data Link

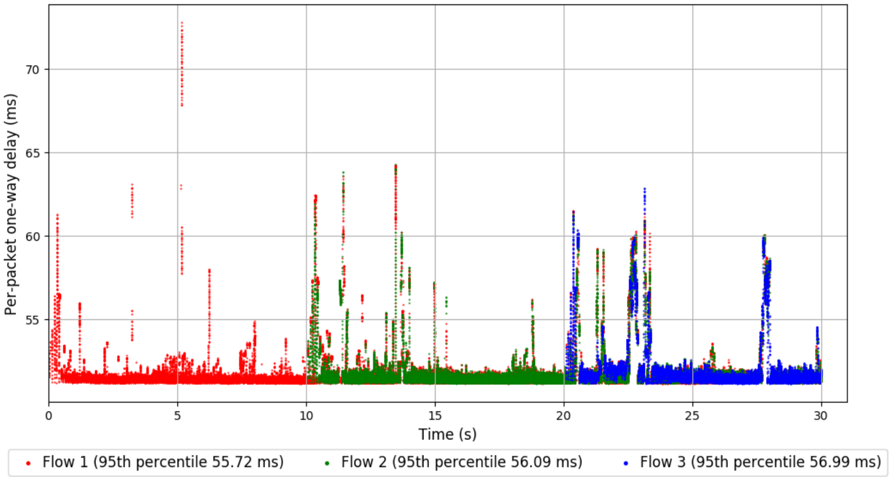




```
Run 2: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:22:56 +0000
End at: Sun, 09 Jul 2017 20:23:26 +0000
Local clock offset: 0.578 ms
Remote clock offset: -2.345 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 56.210 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 55.722 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 56.090 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 56.988 ms
Loss rate: 0.25%
```

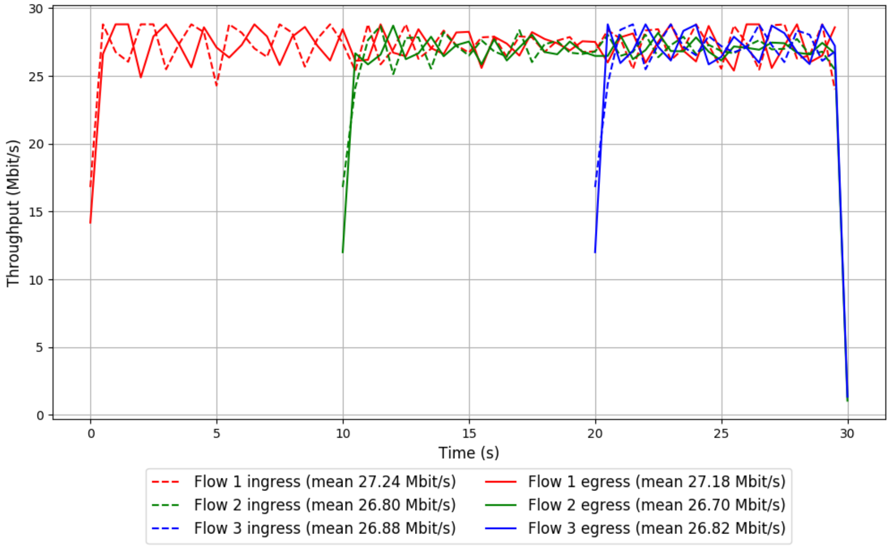
Run 2: Report of Saturator — Data Link

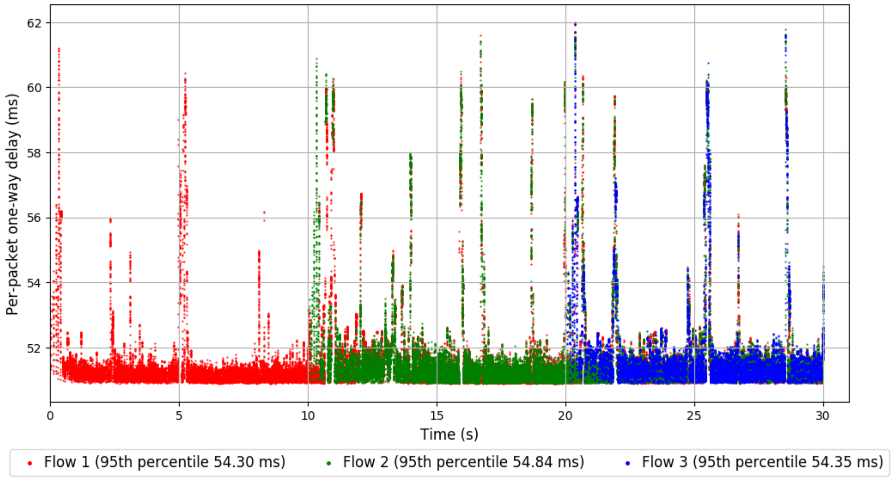




```
Run 3: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:43:29 +0000
End at: Sun, 09 Jul 2017 20:43:59 +0000
Local clock offset: 0.379 ms
Remote clock offset: 0.241 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:29 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 54.453 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 54.296 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 54.843 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 54.347 ms
Loss rate: 0.22%
```

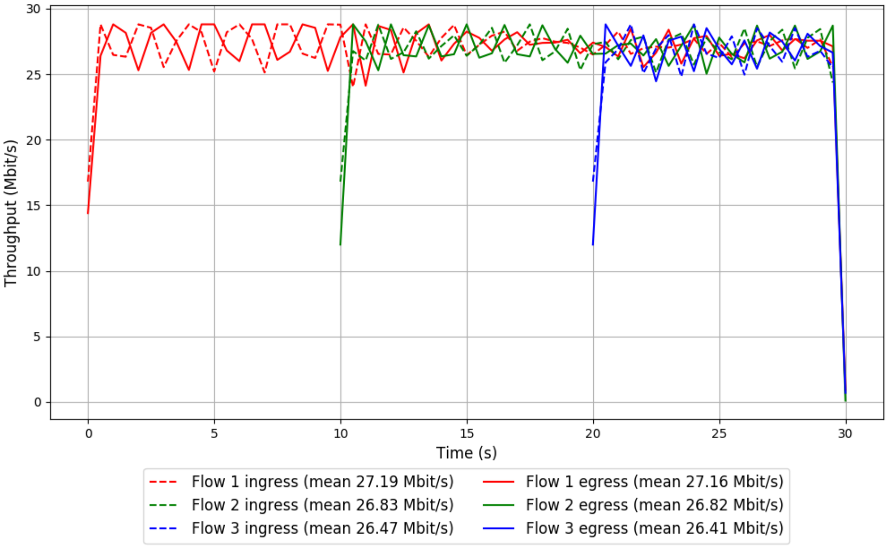
Run 3: Report of Saturator — Data Link

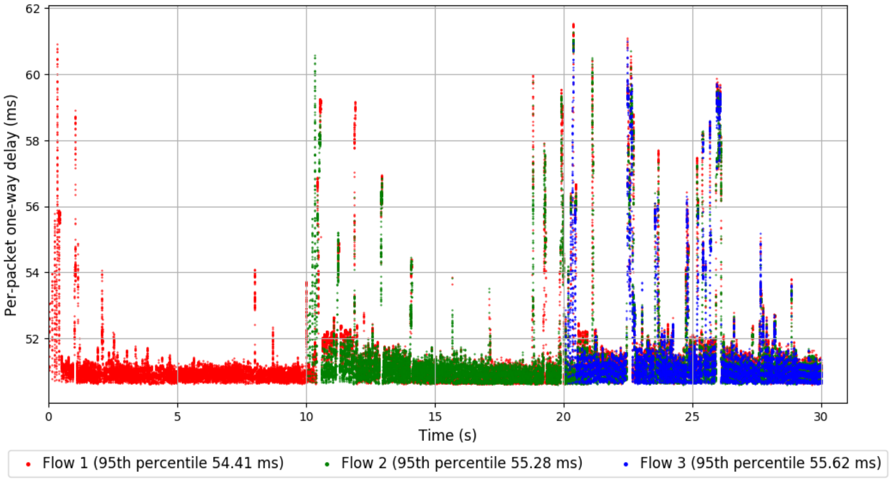




```
Run 4: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:04:05 +0000
End at: Sun, 09 Jul 2017 21:04:35 +0000
Local clock offset: 0.239 ms
Remote clock offset: 0.474 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: 54.904 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 27.16 Mbit/s
95th percentile per-packet one-way delay: 54.414 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 55.284 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 55.621 ms
Loss rate: 0.25%
```

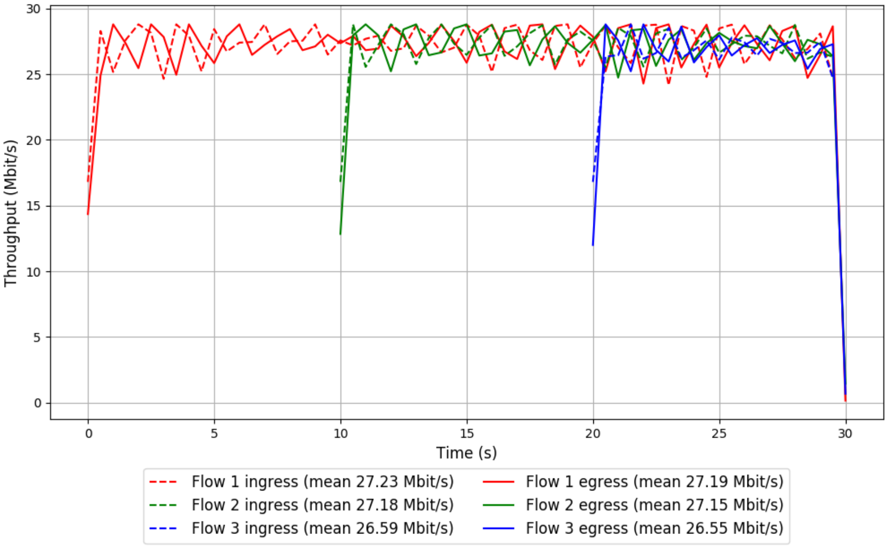
Run 4: Report of Saturator — Data Link

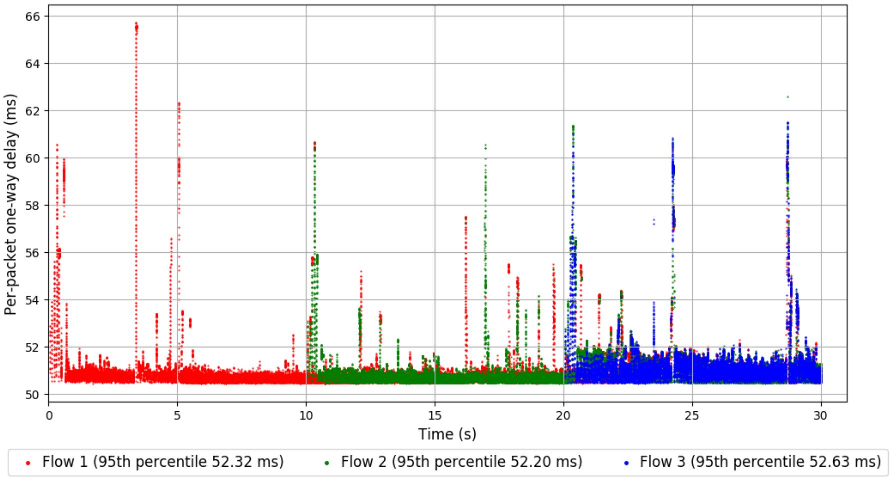




```
Run 5: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:25:11 +0000
End at: Sun, 09 Jul 2017 21:25:41 +0000
Local clock offset: 0.232 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:37 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 52.304 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 27.19 Mbit/s
95th percentile per-packet one-way delay: 52.322 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 52.196 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 52.628 ms
Loss rate: 0.15%
```

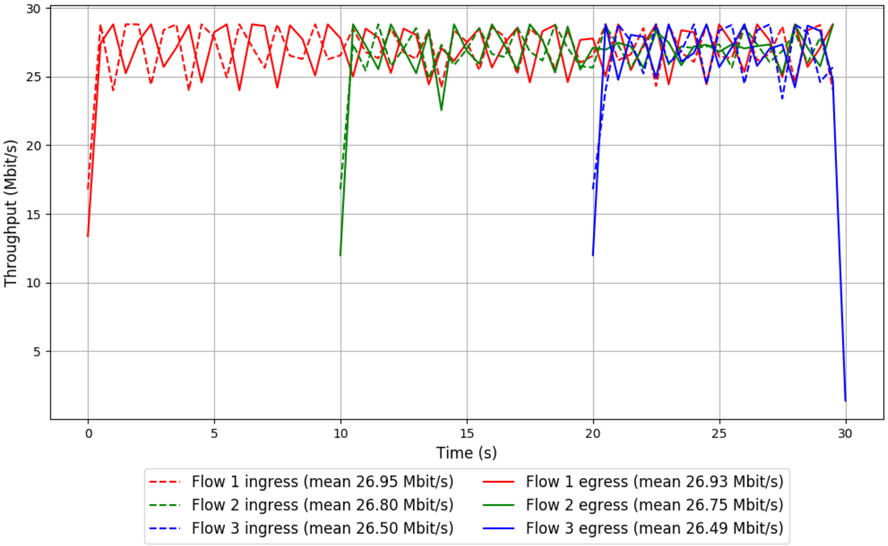
Run 5: Report of Saturator — Data Link

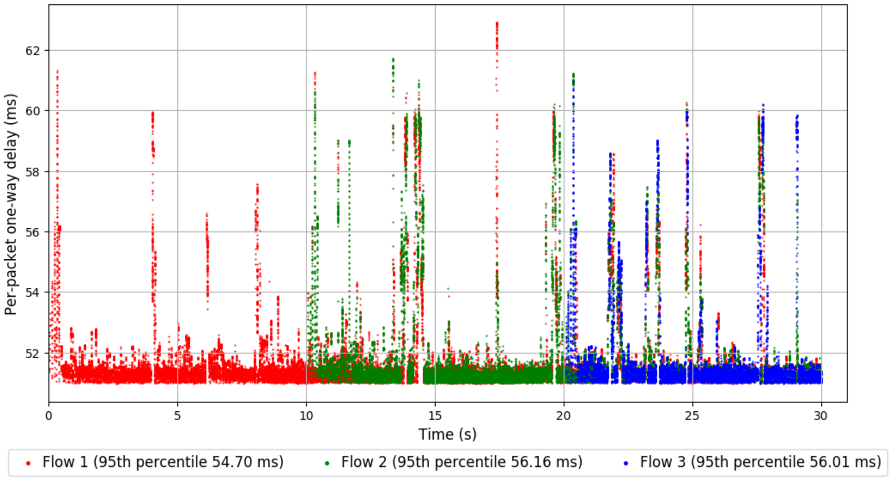




```
Run 6: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:46:04 +0000
End at: Sun, 09 Jul 2017 21:46:34 +0000
Local clock offset: 0.325 ms
Remote clock offset: -2.552 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 55.519 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 26.93 Mbit/s
95th percentile per-packet one-way delay: 54.698 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 56.160 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 56.007 ms
Loss rate: 0.15%
```

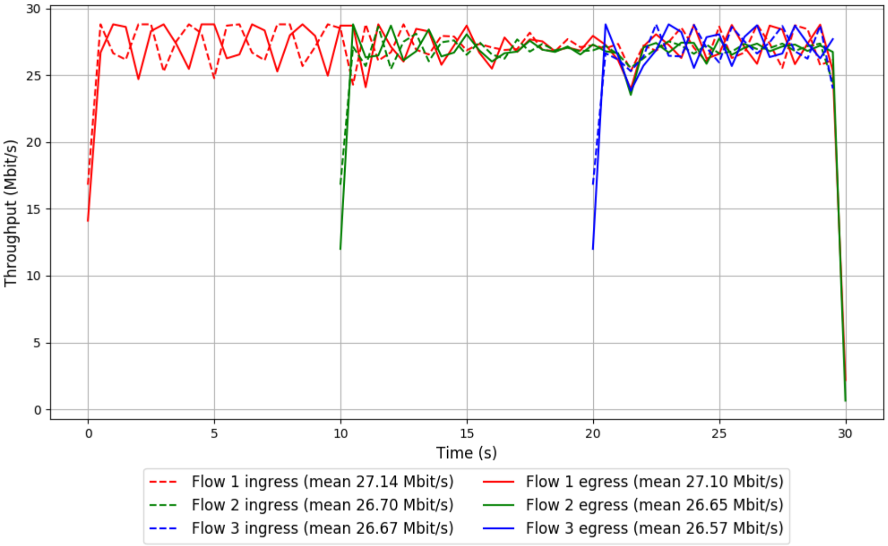
Run 6: Report of Saturator — Data Link

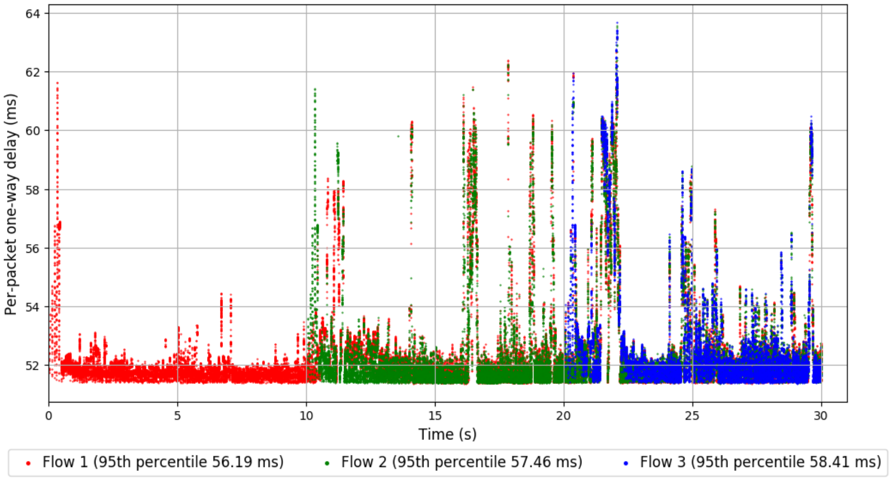




```
Run 7: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:06:41 +0000
End at: Sun, 09 Jul 2017 22:07:11 +0000
Local clock offset: 0.238 ms
Remote clock offset: -0.793 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:45 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 56.891 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 56.191 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 57.464 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 58.408 ms
Loss rate: 0.37%
```

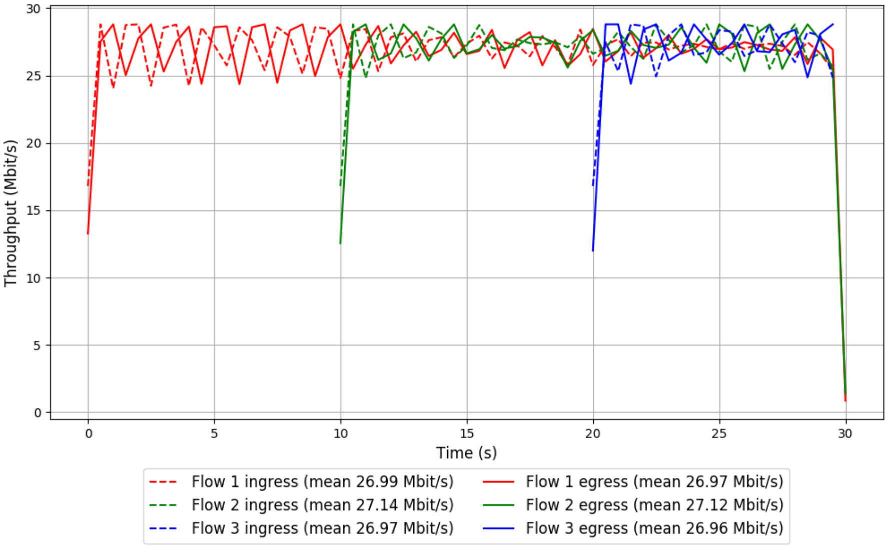
Run 7: Report of Saturator — Data Link

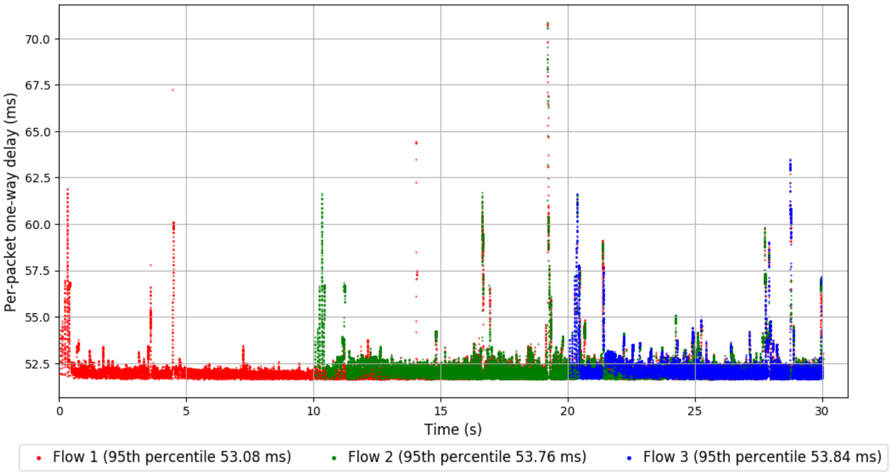




```
Run 8: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:27:45 +0000
End at: Sun, 09 Jul 2017 22:28:15 +0000
Local clock offset: 0.334 ms
Remote clock offset: -3.076 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: 53.527 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 53.081 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 53.759 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.05%
```

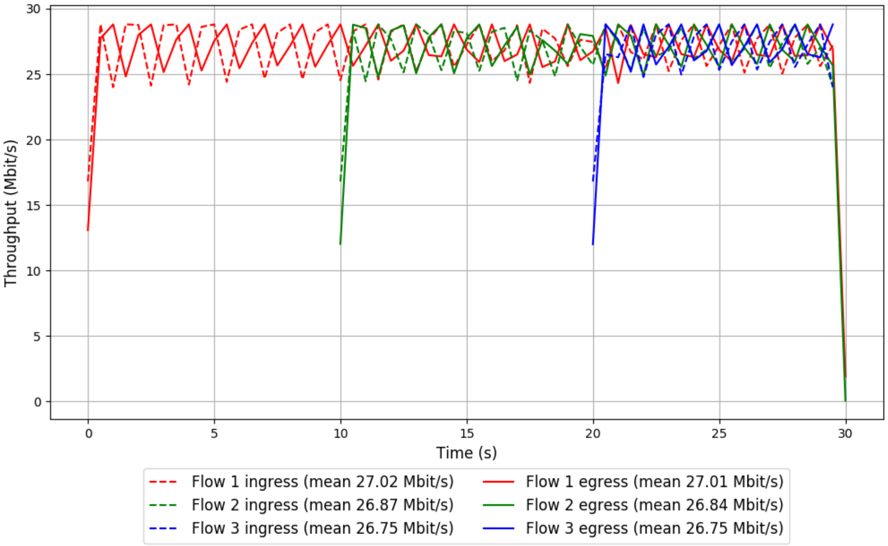
Run 8: Report of Saturator — Data Link

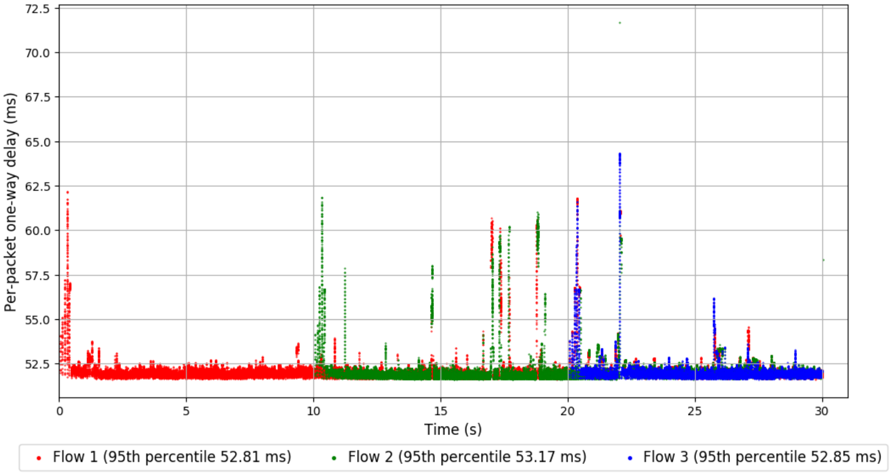




```
Run 9: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:48:19 +0000
End at: Sun, 09 Jul 2017 22:48:49 +0000
Local clock offset: 0.4 ms
Remote clock offset: -0.941 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:26:52 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 52.947 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 27.01 Mbit/s
95th percentile per-packet one-way delay: 52.810 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 53.166 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 52.847 ms
Loss rate: 0.00%
```

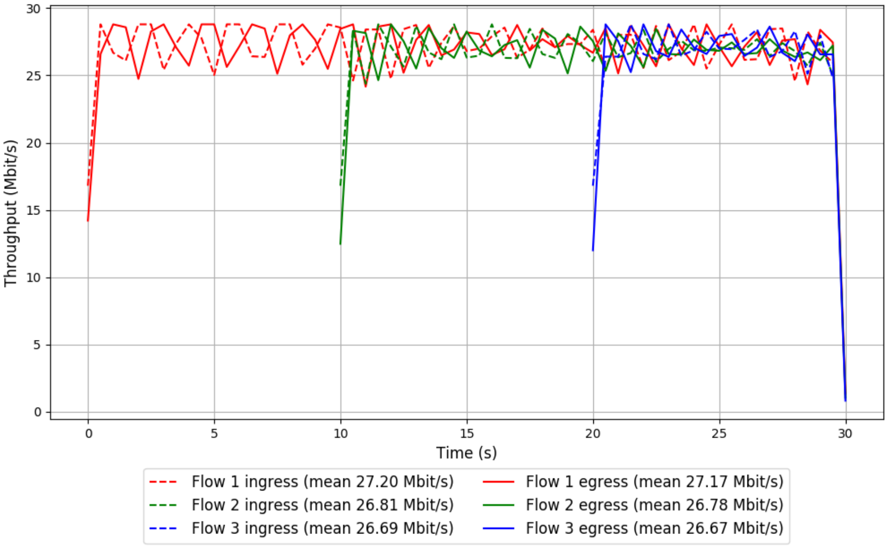
Run 9: Report of Saturator — Data Link

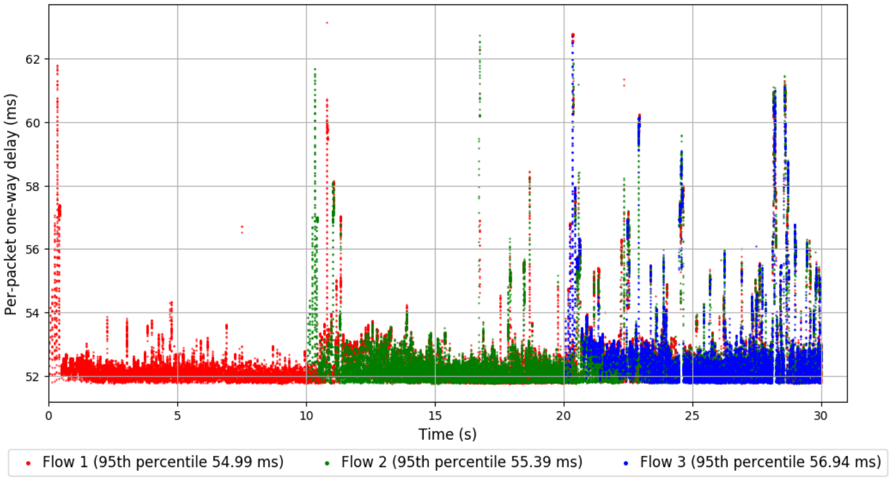




```
Run 10: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:08:48 +0000
End at: Sun, 09 Jul 2017 23:09:18 +0000
Local clock offset: 0.58 ms
Remote clock offset: -2.915 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 55.514 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 54.995 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 55.389 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 56.944 ms
Loss rate: 0.08%
```

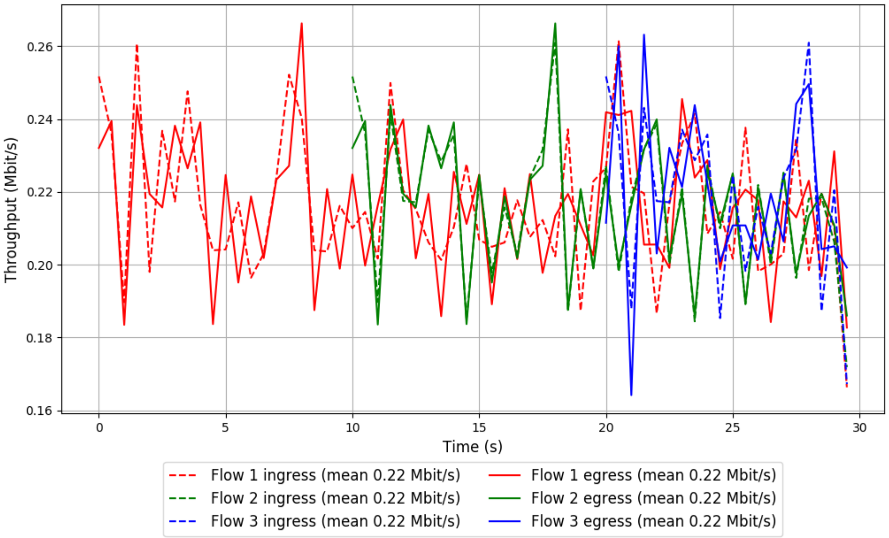
Run 10: Report of Saturator — Data Link

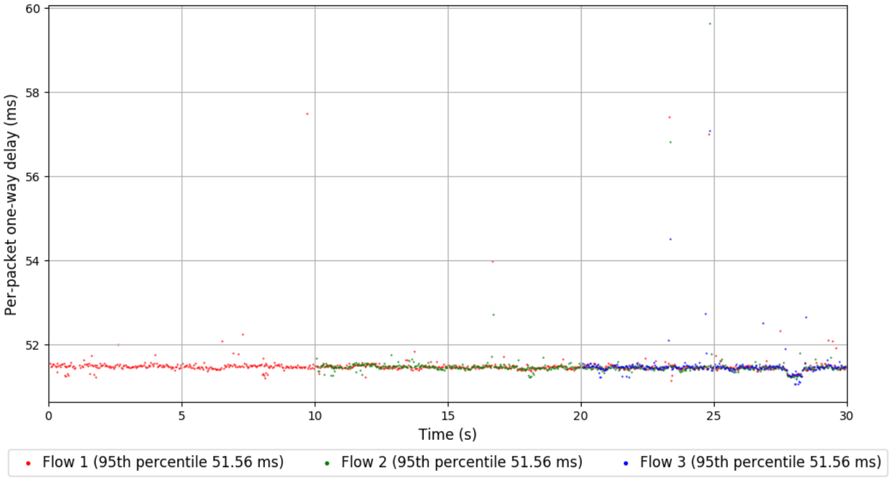




```
Run 1: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:17:33 +0000
End at: Sun, 09 Jul 2017 20:18:03 +0000
Local clock offset: 0.517 ms
Remote clock offset: 0.133 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.563 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 0.00%
```

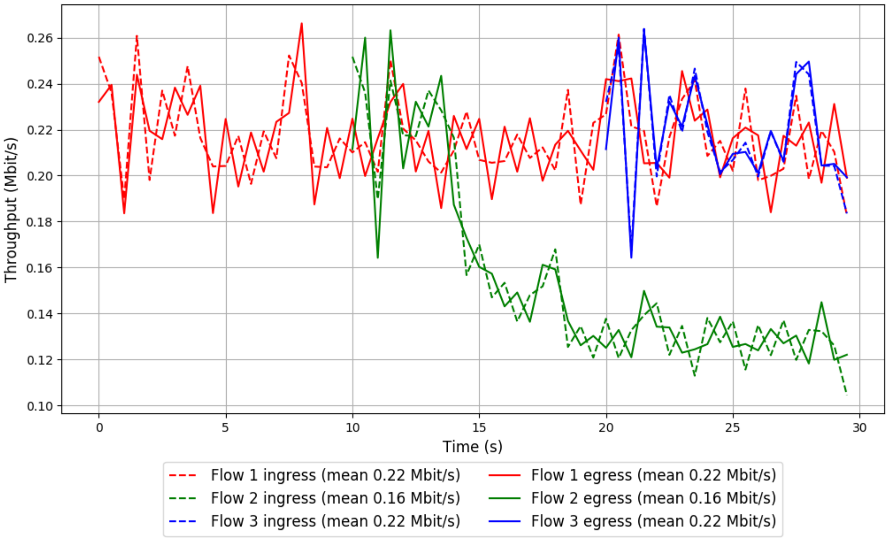
Run 1: Report of SCReAM — Data Link

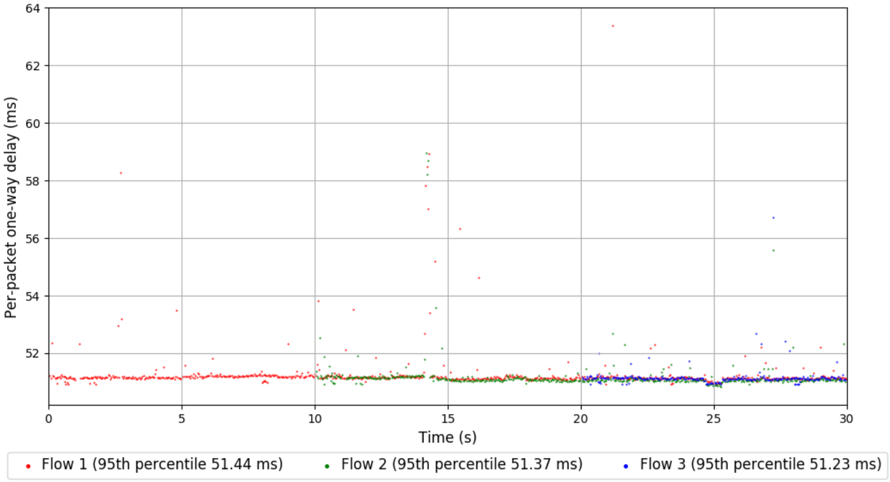




```
Run 2: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:38:04 +0000
End at: Sun, 09 Jul 2017 20:38:34 +0000
Local clock offset: 0.484 ms
Remote clock offset: -2.367 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 51.367 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.229 ms
Loss rate: 0.00%
```

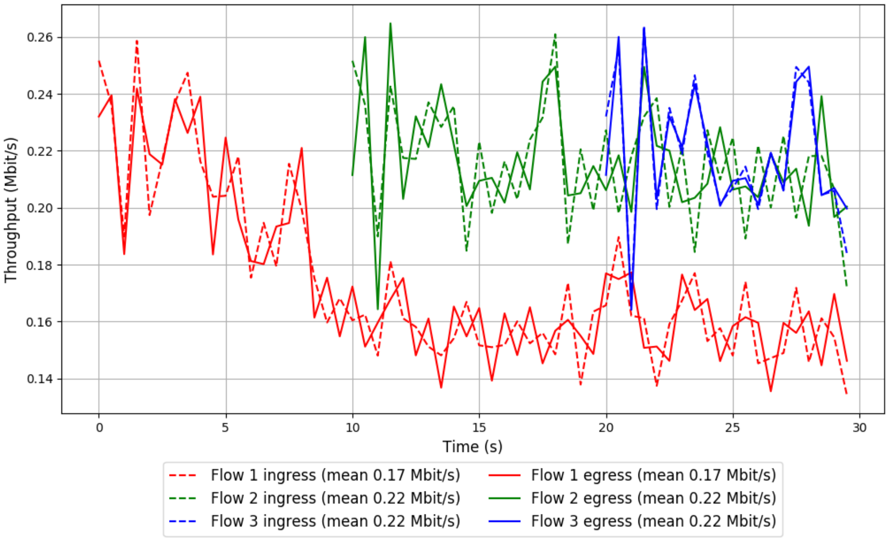
Run 2: Report of SCReAM — Data Link

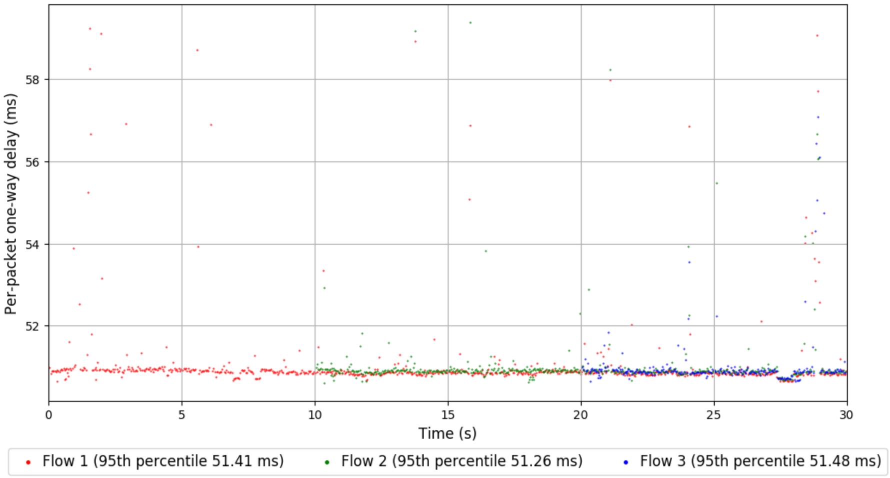




```
Run 3: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:58:41 +0000
End at: Sun, 09 Jul 2017 20:59:11 +0000
Local clock offset: 0.316 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 51.409 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 51.409 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.476 ms
Loss rate: 0.00%
```

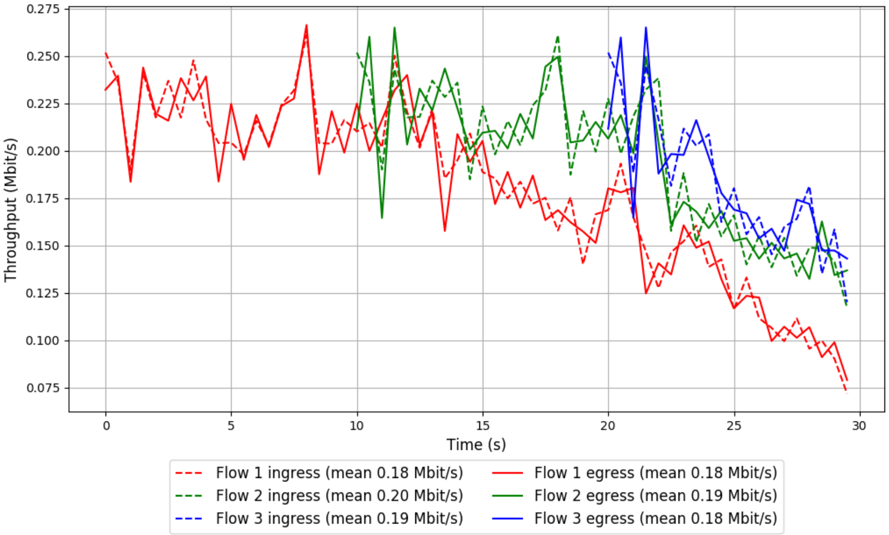
Run 3: Report of SCReAM — Data Link

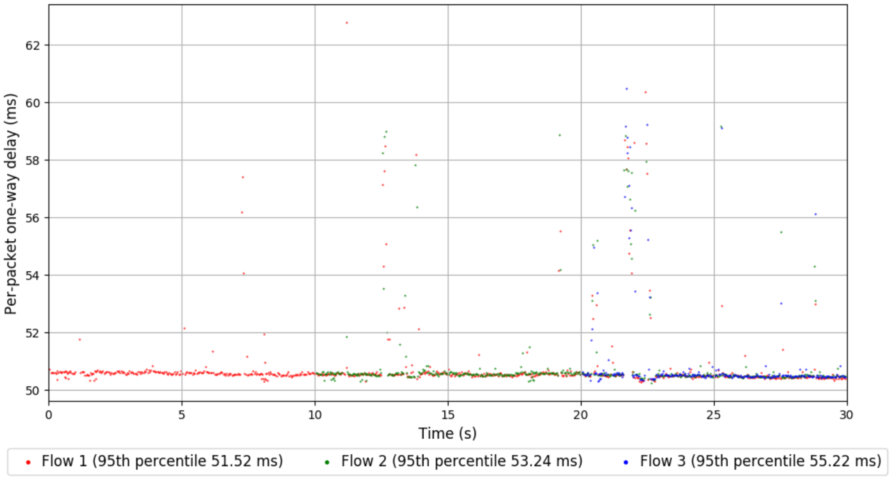




```
Run 4: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 21:19:48 +0000
End at: Sun, 09 Jul 2017 21:20:18 +0000
Local clock offset: 0.223 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 52.838 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 51.517 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 53.237 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 55.221 ms
Loss rate: 0.39%
```

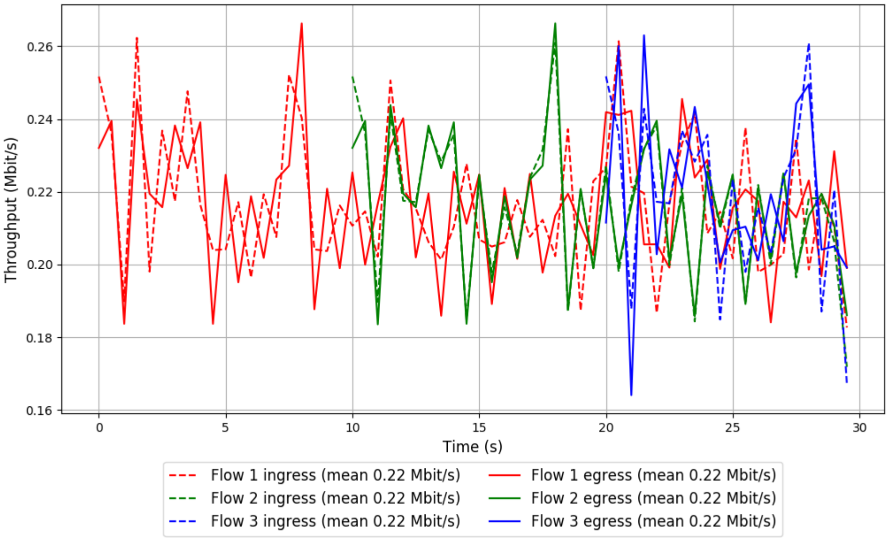
Run 4: Report of SCReAM — Data Link

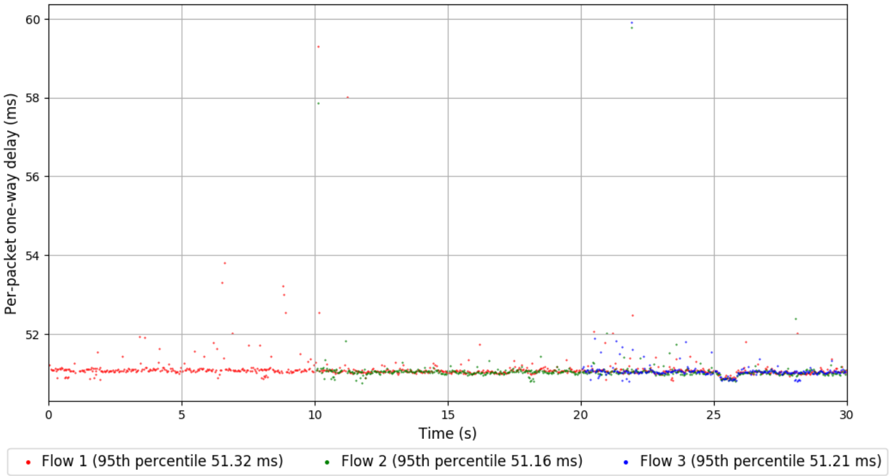




```
Run 5: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 21:40:40 +0000
End at: Sun, 09 Jul 2017 21:41:10 +0000
Local clock offset: 0.194 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.213 ms
Loss rate: 0.00%
```

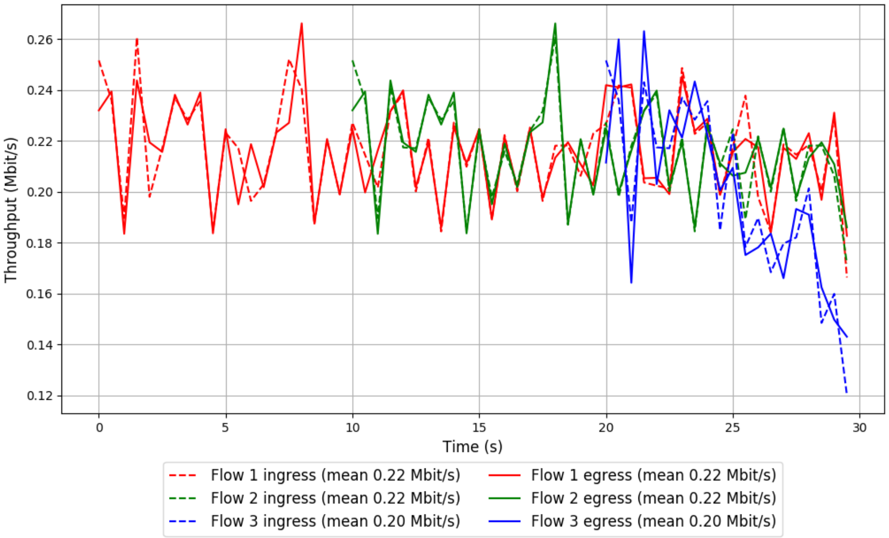
Run 5: Report of SCReAM — Data Link

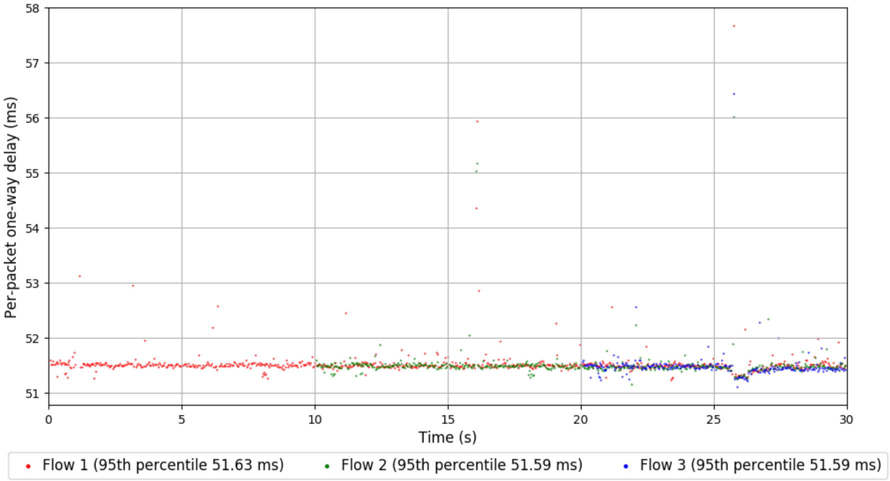




```
Run 6: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:01:17 +0000
End at: Sun, 09 Jul 2017 22:01:47 +0000
Local clock offset: 0.318 ms
Remote clock offset: -0.766 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.606 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 51.595 ms
Loss rate: 0.43%
```

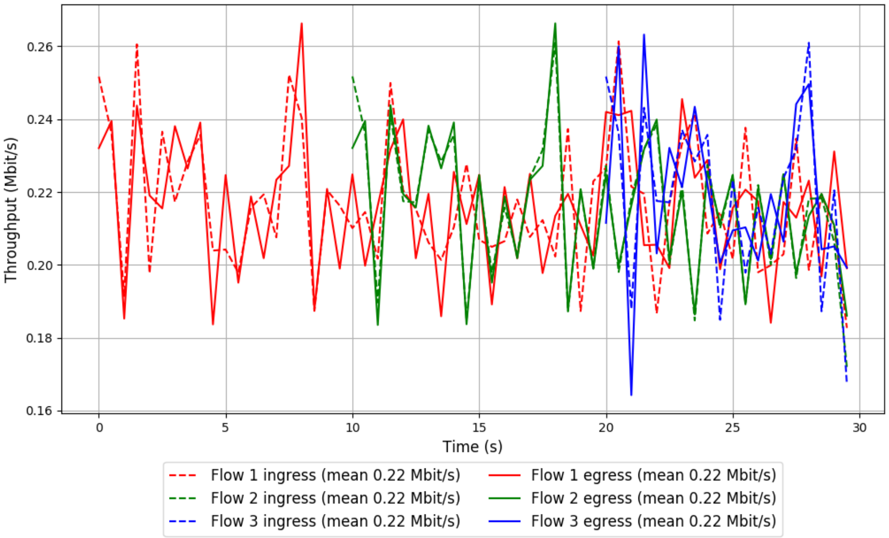
Run 6: Report of SCReAM — Data Link

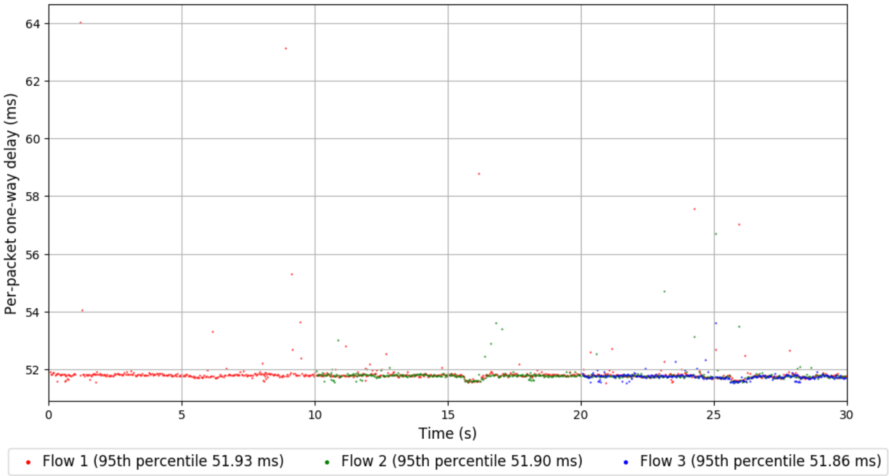




```
Run 7: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:22:10 +0000
End at: Sun, 09 Jul 2017 22:22:40 +0000
Local clock offset: 0.283 ms
Remote clock offset: -0.927 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.926 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.895 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.862 ms
Loss rate: 0.00%
```

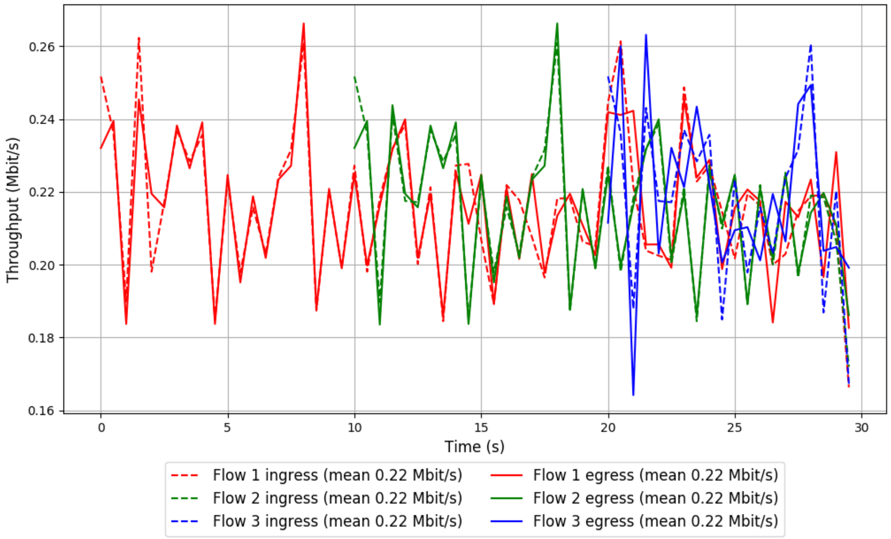
Run 7: Report of SCReAM — Data Link

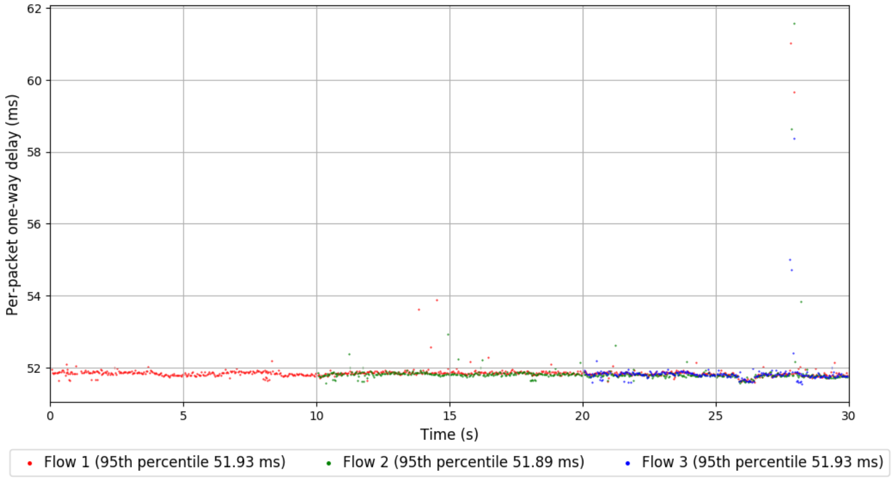




```
Run 8: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:42:55 +0000
End at: Sun, 09 Jul 2017 22:43:25 +0000
Local clock offset: 0.461 ms
Remote clock offset: -2.968 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.893 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.926 ms
Loss rate: 0.00%
```

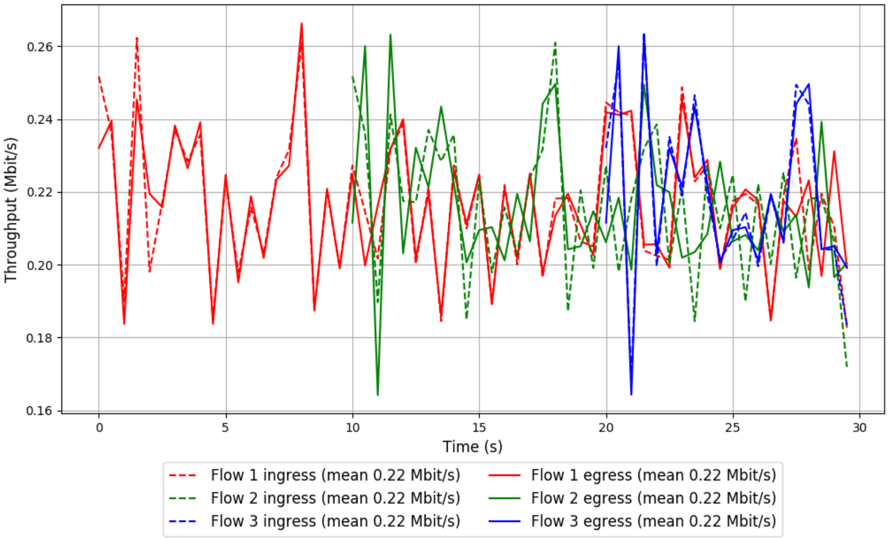
Run 8: Report of SCReAM — Data Link

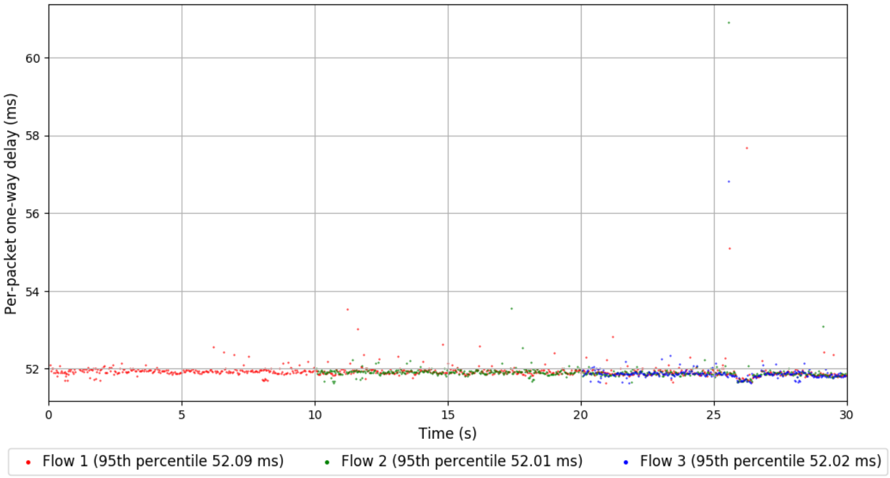




```
Run 9: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 23:03:26 +0000
End at: Sun, 09 Jul 2017 23:03:56 +0000
Local clock offset: 0.53 ms
Remote clock offset: -2.862 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 52.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.014 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.020 ms
Loss rate: 0.00%
```

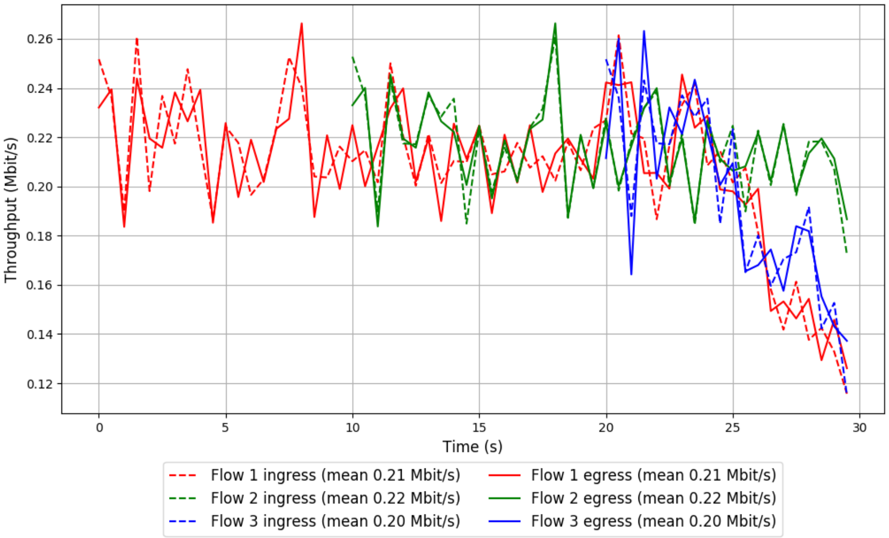
Run 9: Report of SCReAM — Data Link

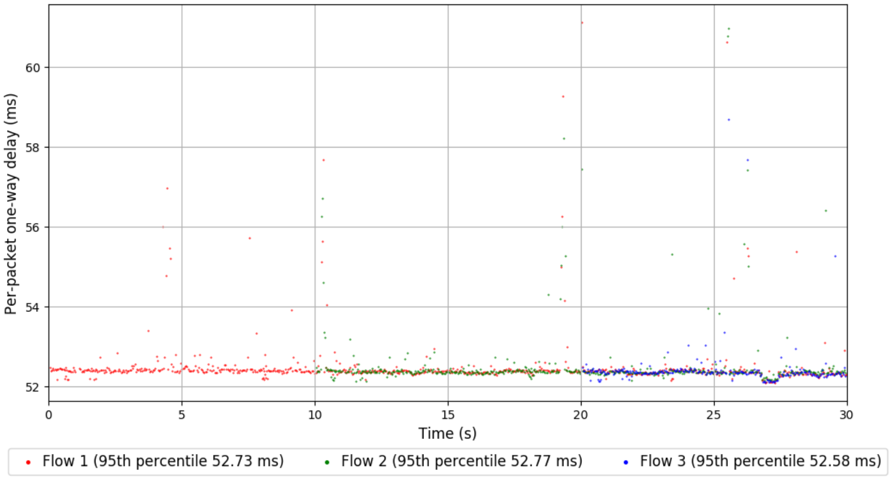




```
Run 10: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 23:23:56 +0000
End at: Sun, 09 Jul 2017 23:24:26 +0000
Local clock offset: 0.571 ms
Remote clock offset: -0.805 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 52.722 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.728 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.767 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.578 ms
Loss rate: 0.39%
```

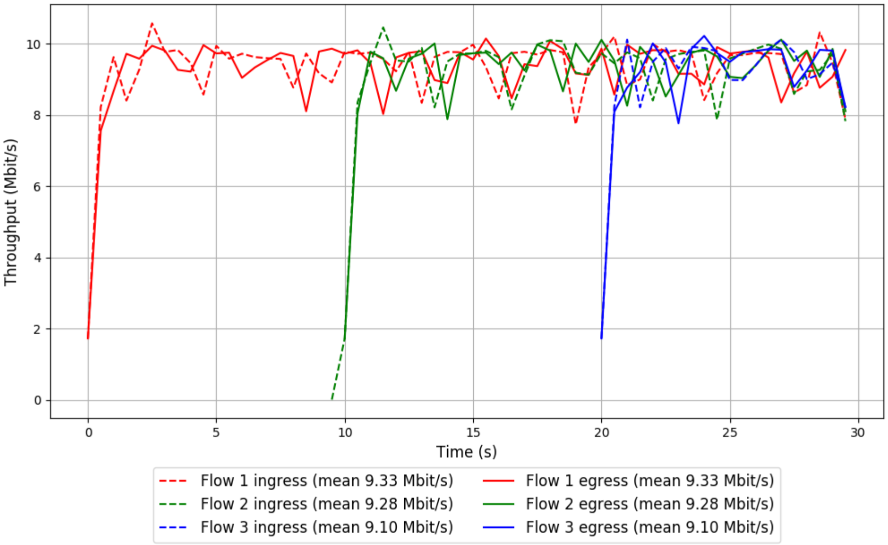
Run 10: Report of SCReAM — Data Link

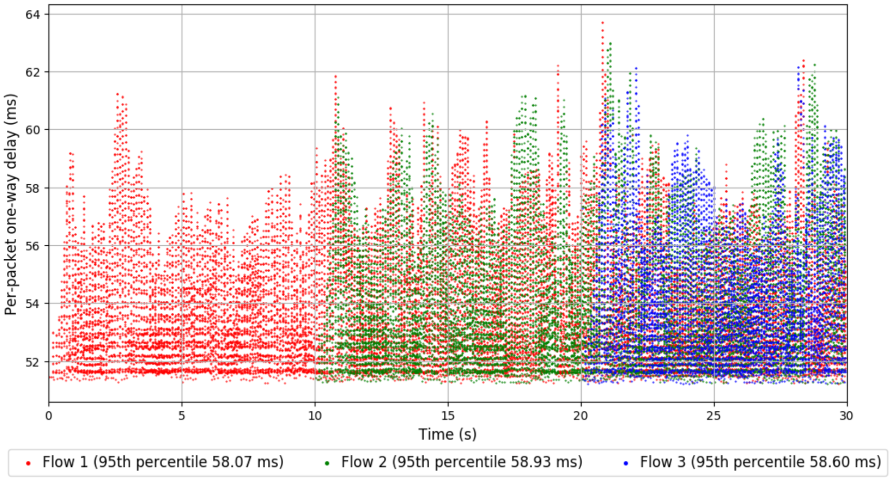




```
Run 1: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:01:09 +0000
End at: Sun, 09 Jul 2017 20:01:39 +0000
Local clock offset: 0.697 ms
Remote clock offset: -0.41 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:06 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 58.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 58.073 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 58.931 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 58.601 ms
Loss rate: 0.00%
```

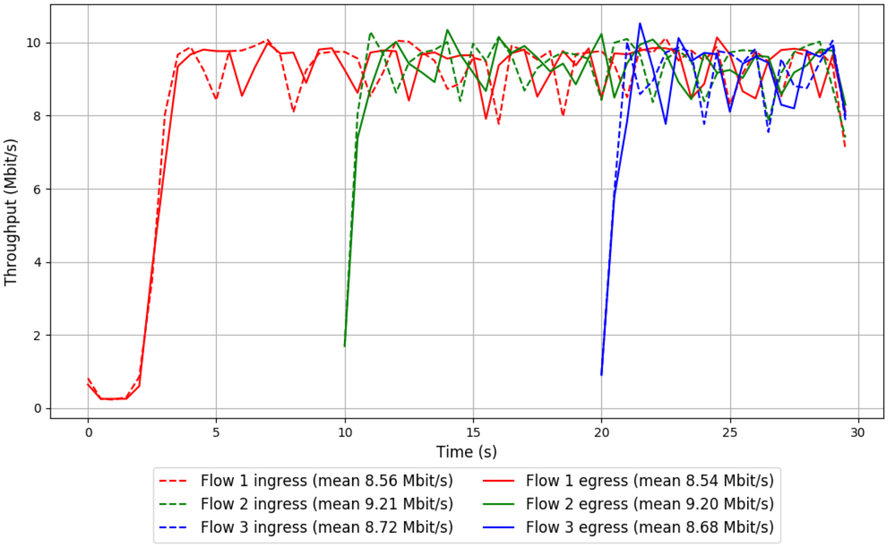
Run 1: Report of Sprout — Data Link

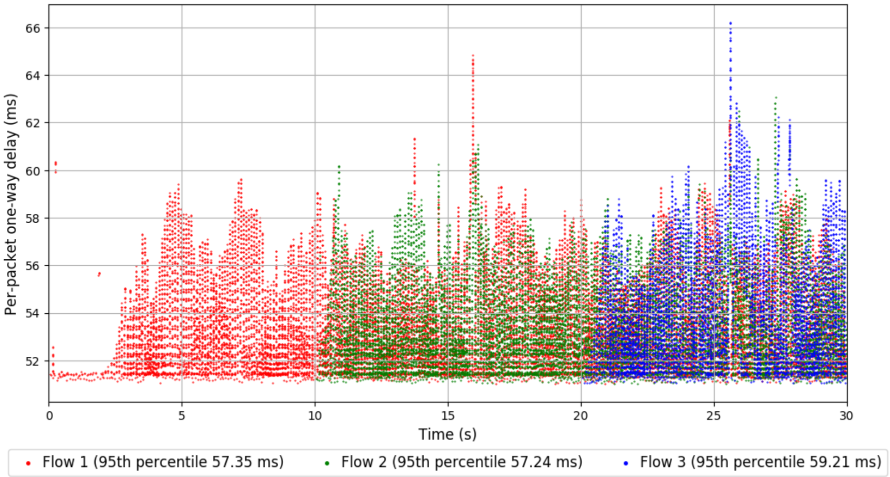




```
Run 2: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:21:38 +0000
End at: Sun, 09 Jul 2017 20:22:08 +0000
Local clock offset: 0.61 ms
Remote clock offset: -2.437 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:06 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 57.666 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 57.355 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 57.237 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 59.211 ms
Loss rate: 0.43%
```

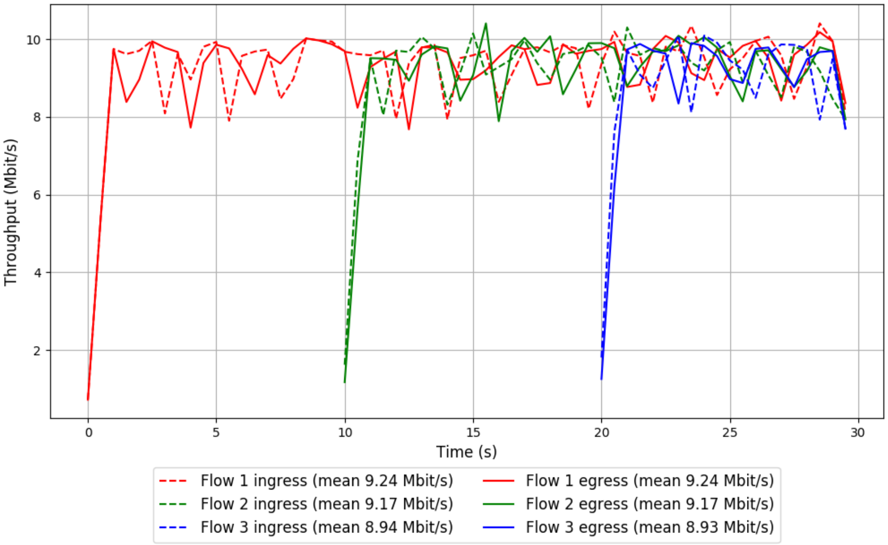
Run 2: Report of Sprout — Data Link

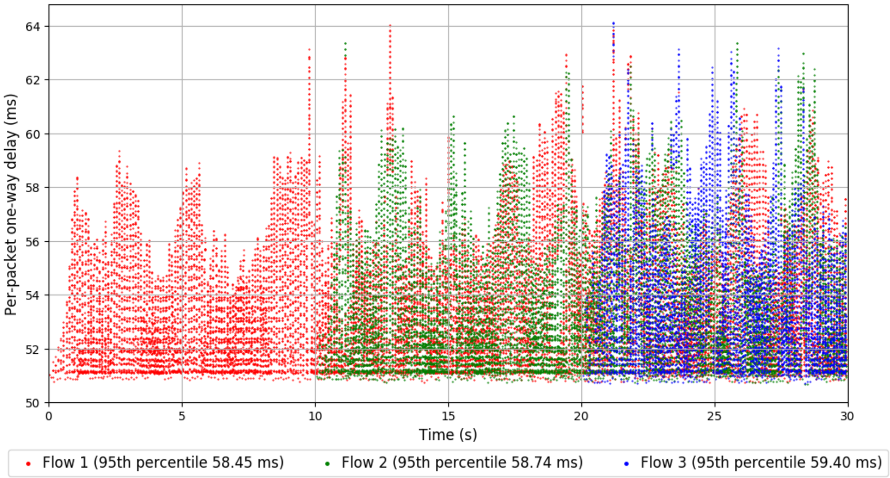




```
Run 3: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:42:09 +0000
End at: Sun, 09 Jul 2017 20:42:39 +0000
Local clock offset: 0.404 ms
Remote clock offset: -2.311 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 58.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 58.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 58.737 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 59.402 ms
Loss rate: 0.00%
```

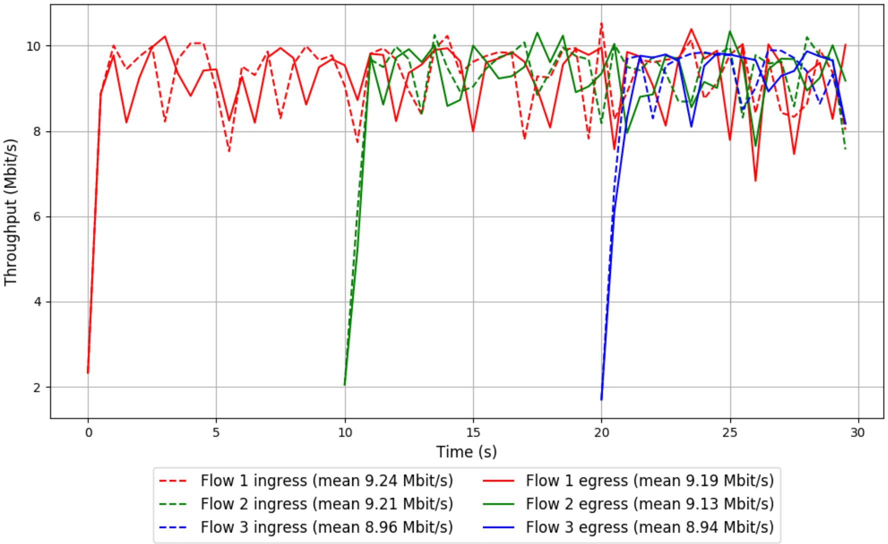
Run 3: Report of Sprout — Data Link

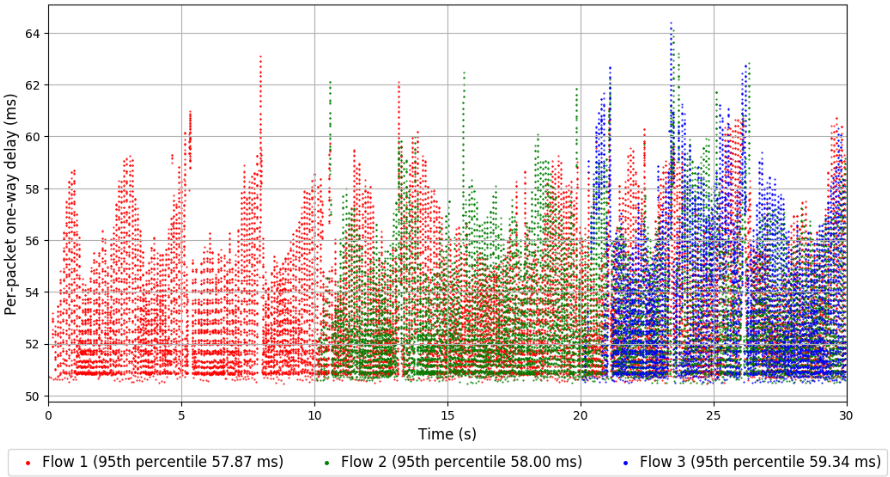




```
Run 4: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:02:46 +0000
End at: Sun, 09 Jul 2017 21:03:16 +0000
Local clock offset: 0.344 ms
Remote clock offset: -2.068 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 58.179 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 57.874 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 57.996 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 59.337 ms
Loss rate: 0.23%
```

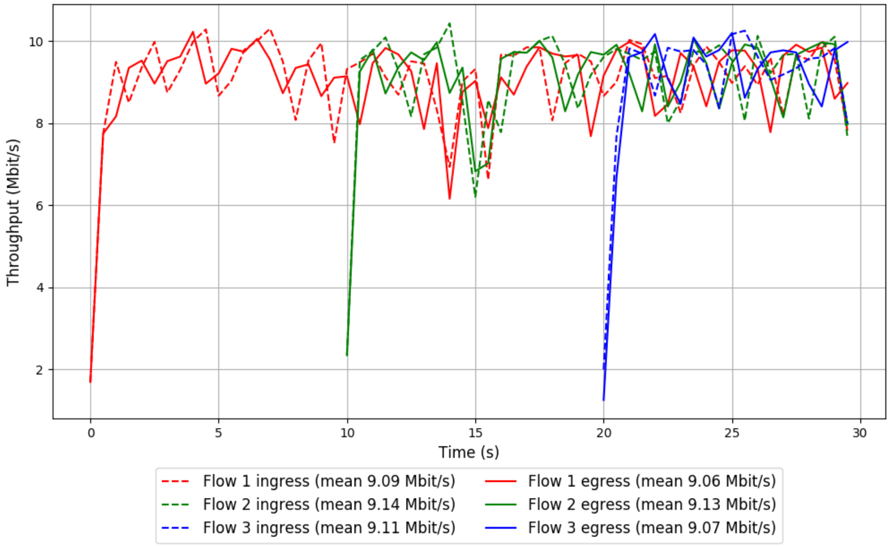
Run 4: Report of Sprout — Data Link

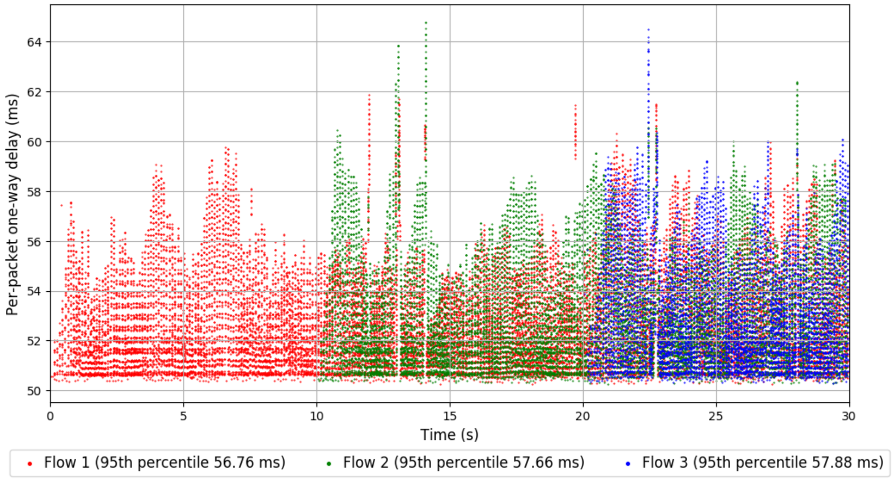




```
Run 5: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:23:52 +0000
End at: Sun, 09 Jul 2017 21:24:22 +0000
Local clock offset: 0.126 ms
Remote clock offset: 0.6 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 57.396 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 56.761 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 57.659 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 57.877 ms
Loss rate: 0.38%
```

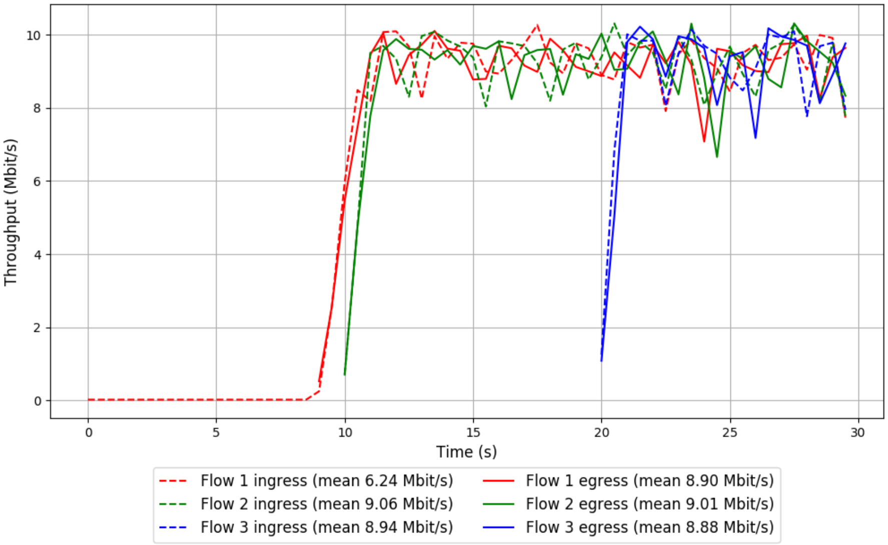
Run 5: Report of Sprout — Data Link

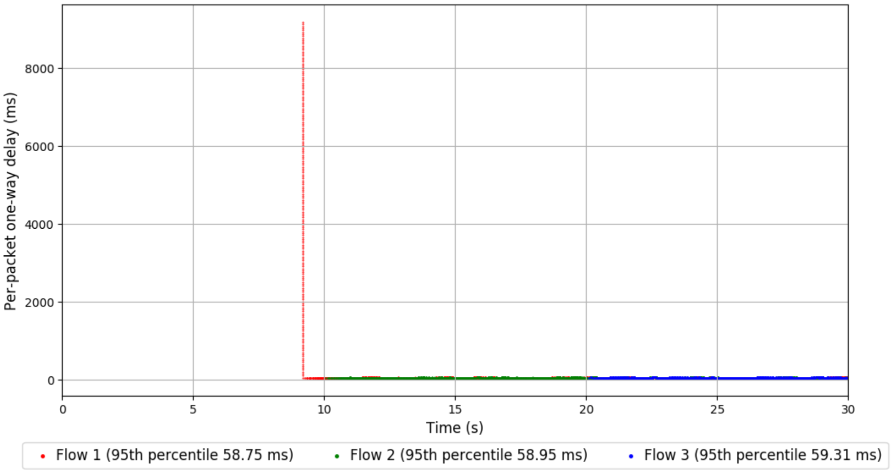




```
Run 6: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:44:46 +0000
End at: Sun, 09 Jul 2017 21:45:16 +0000
Local clock offset: 0.223 ms
Remote clock offset: -0.305 ms
```

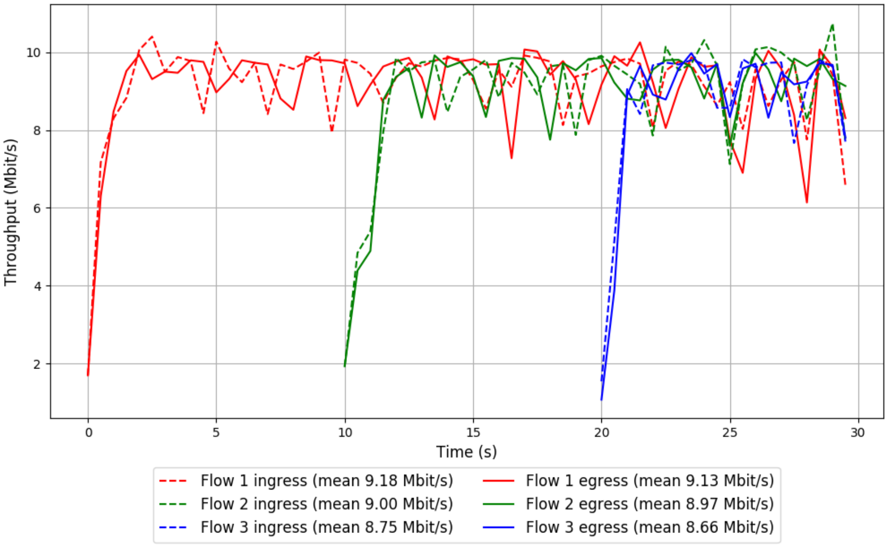
Run 6: Report of Sprout — Data Link

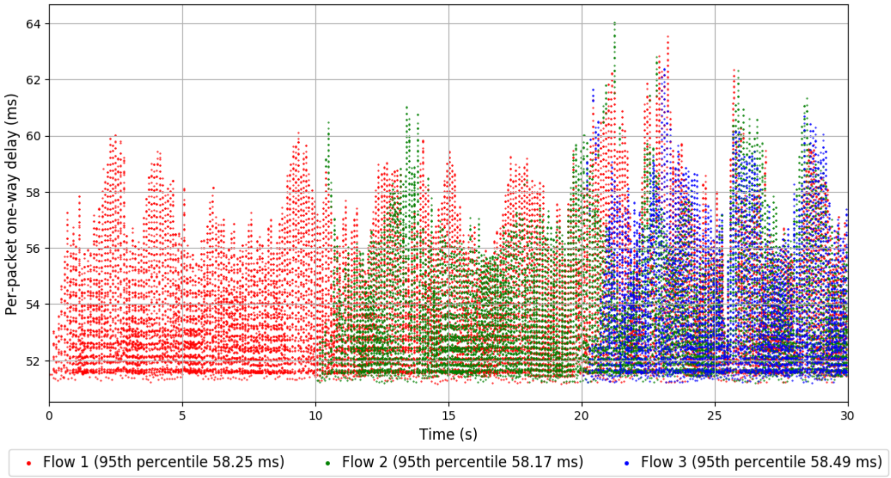




```
Run 7: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:05:22 +0000
End at: Sun, 09 Jul 2017 22:05:52 +0000
Local clock offset: 0.22 ms
Remote clock offset: -2.791 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 58.273 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 58.252 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 58.169 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 58.486 ms
Loss rate: 1.04%
```

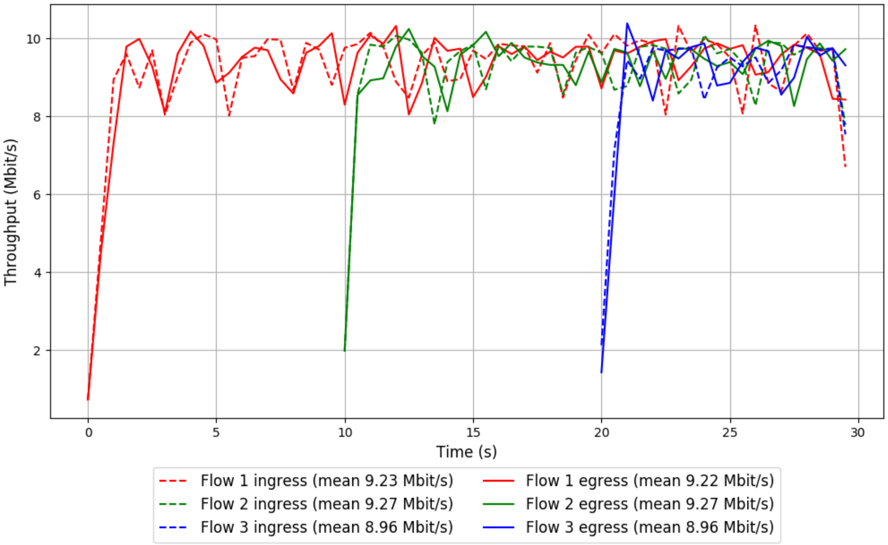
Run 7: Report of Sprout — Data Link

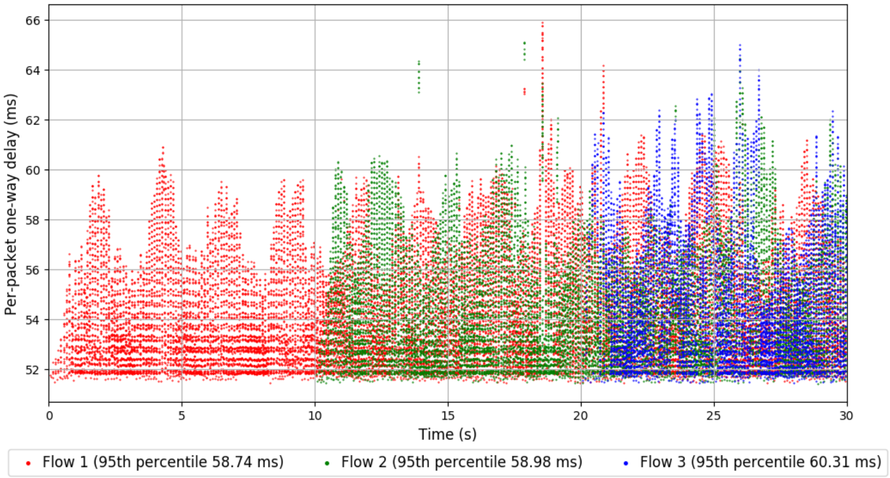




```
Run 8: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:26:25 +0000
End at: Sun, 09 Jul 2017 22:26:55 +0000
Local clock offset: 0.304 ms
Remote clock offset: -0.902 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 59.059 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 58.743 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 58.978 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 60.312 ms
Loss rate: 0.00%
```

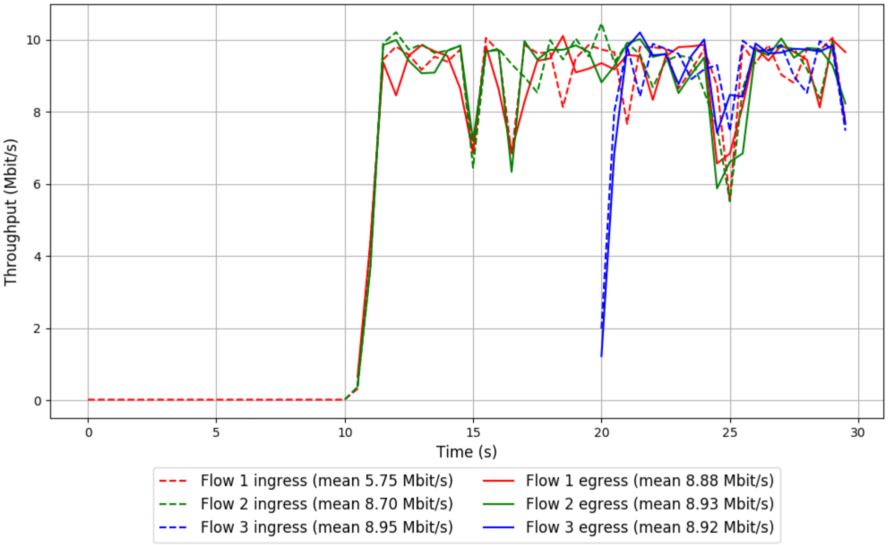
Run 8: Report of Sprout — Data Link

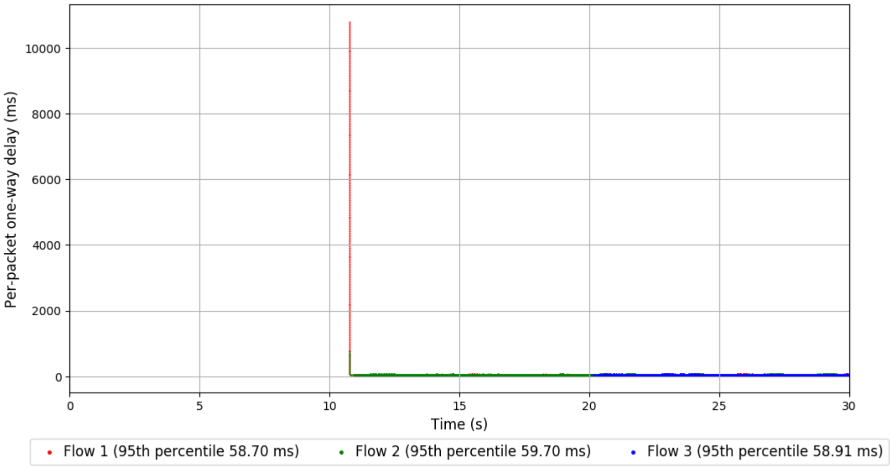




```
Run 9: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:47:00 +0000
End at: Sun, 09 Jul 2017 22:47:30 +0000
Local clock offset: 0.403 ms
Remote clock offset: -2.964 ms
```

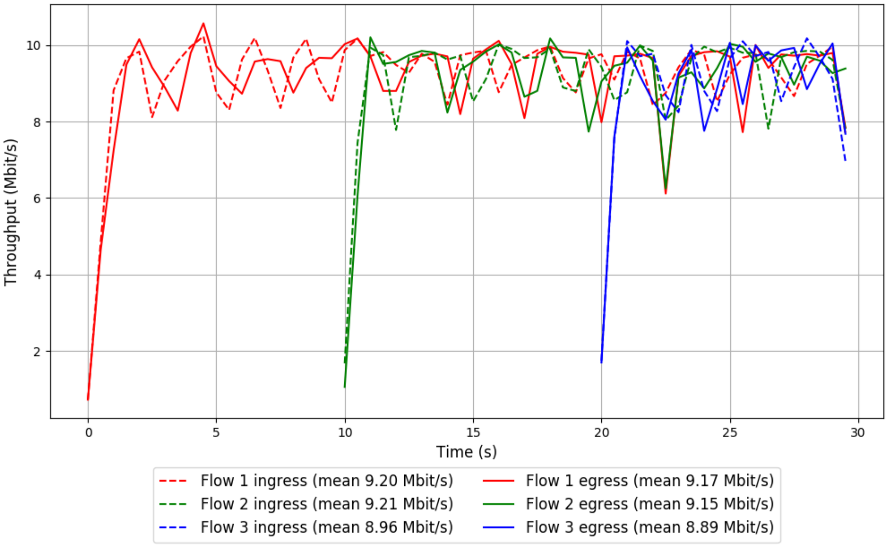
Run 9: Report of Sprout — Data Link

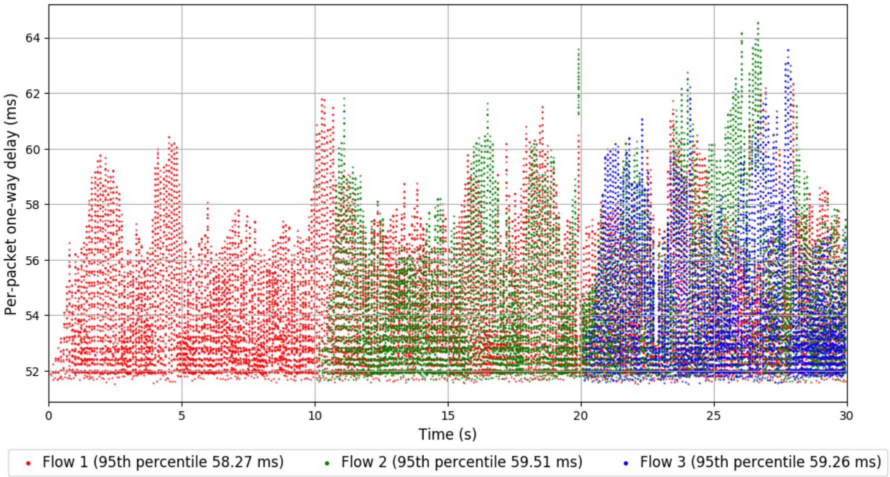




```
Run 10: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:07:29 +0000
End at: Sun, 09 Jul 2017 23:07:59 +0000
Local clock offset: 0.498 ms
Remote clock offset: -0.851 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 58.894 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 58.275 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 59.514 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 59.259 ms
Loss rate: 0.77%
```

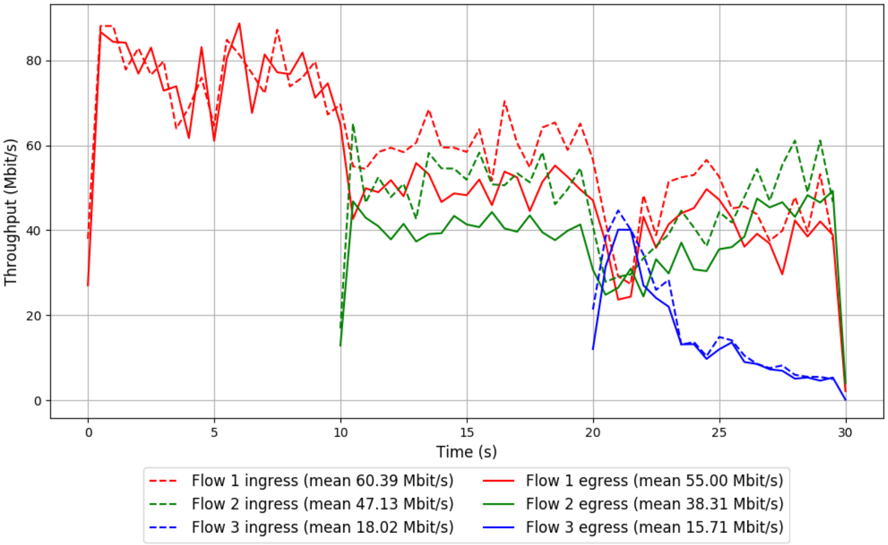
Run 10: Report of Sprout — Data Link

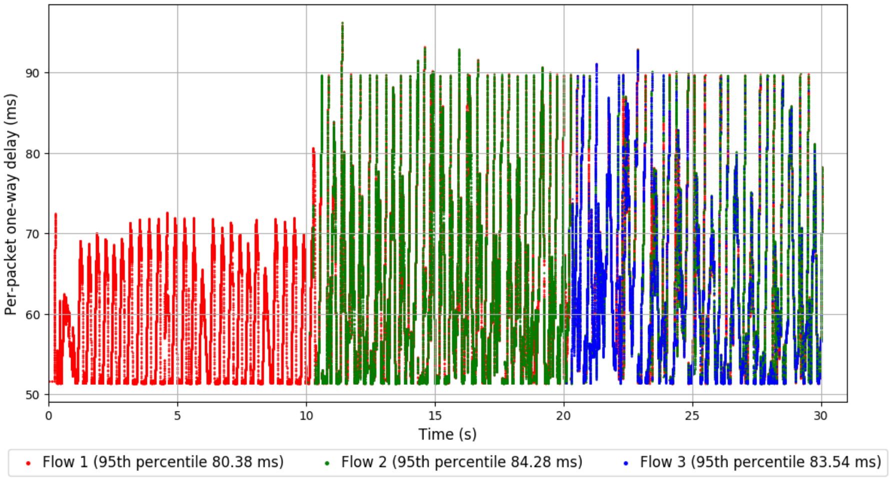




```
Run 1: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:12:01 +0000
End at: Sun, 09 Jul 2017 20:12:31 +0000
Local clock offset: 0.696 ms
Remote clock offset: -2.474 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 82.327 ms
Loss rate: 12.22%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 80.383 ms
Loss rate: 8.85%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 84.284 ms
Loss rate: 18.63%
-- Flow 3:
Average throughput: 15.71 Mbit/s
95th percentile per-packet one-way delay: 83.536 ms
Loss rate: 12.65%
```

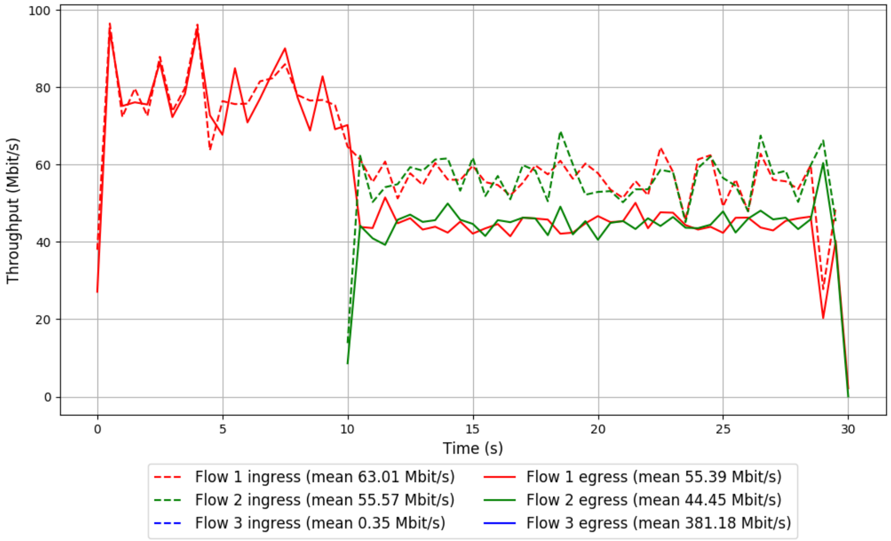
Run 1: Report of TaoVA-100x — Data Link

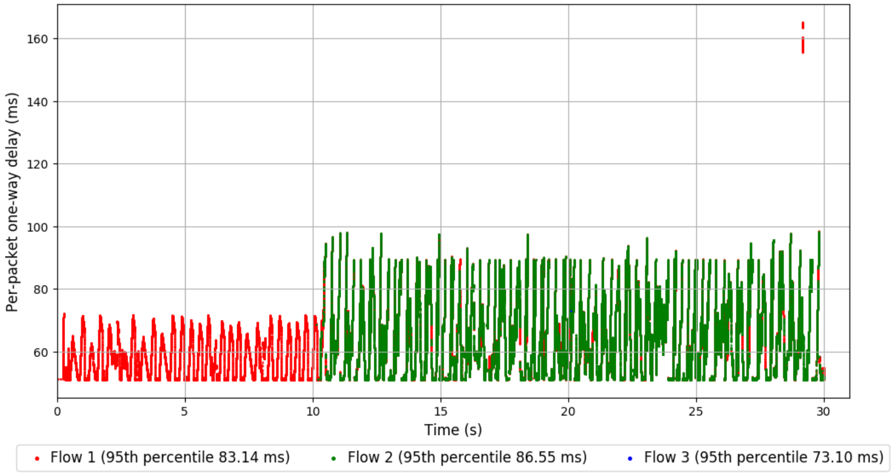




```
Run 2: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:32:28 +0000
End at: Sun, 09 Jul 2017 20:32:58 +0000
Local clock offset: 0.506 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:27:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 84.908 ms
Loss rate: 15.04%
-- Flow 1:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 83.142 ms
Loss rate: 12.08%
-- Flow 2:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 86.547 ms
Loss rate: 20.07%
-- Flow 3:
Average throughput: 381.18 Mbit/s
95th percentile per-packet one-way delay: 73.098 ms
Loss rate: 66.67%
```

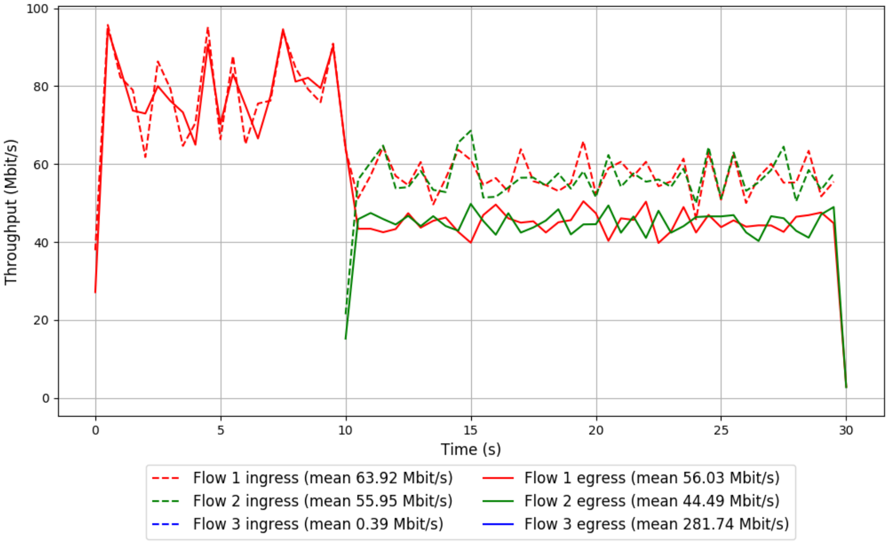
Run 2: Report of TaoVA-100x — Data Link

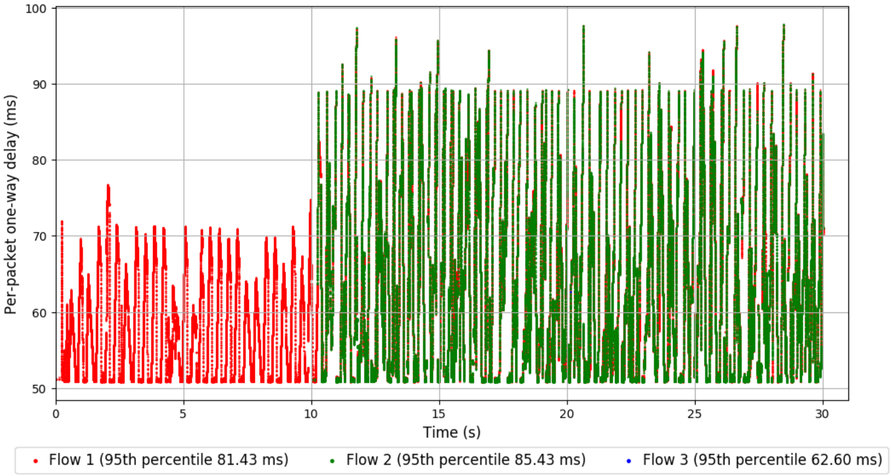




```
Run 3: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:53:03 +0000
End at: Sun, 09 Jul 2017 20:53:33 +0000
Local clock offset: 0.428 ms
Remote clock offset: -2.258 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:28:00 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 83.240 ms
Loss rate: 15.28%
-- Flow 1:
Average throughput: 56.03 Mbit/s
95th percentile per-packet one-way delay: 81.428 ms
Loss rate: 12.29%
-- Flow 2:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 85.433 ms
Loss rate: 20.41%
-- Flow 3:
Average throughput: 281.74 Mbit/s
95th percentile per-packet one-way delay: 62.605 ms
Loss rate: 66.67%
```

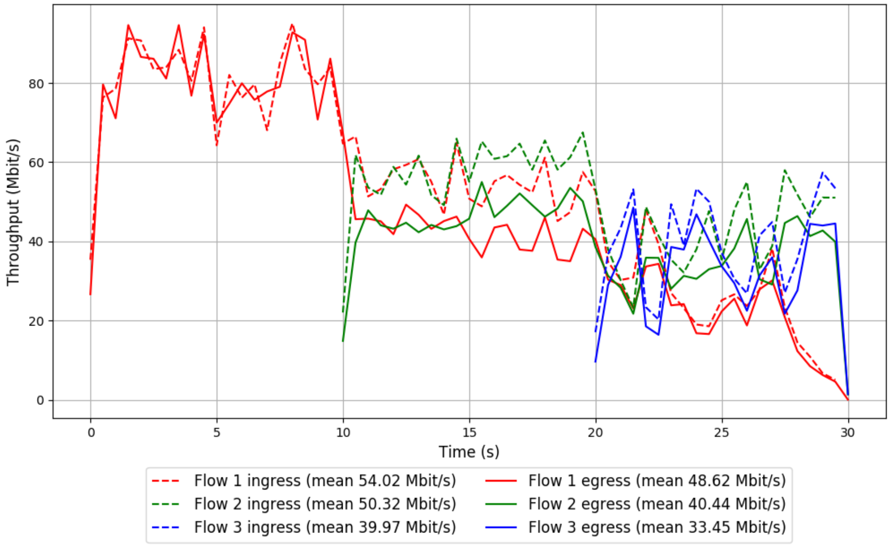
Run 3: Report of TaoVA-100x — Data Link

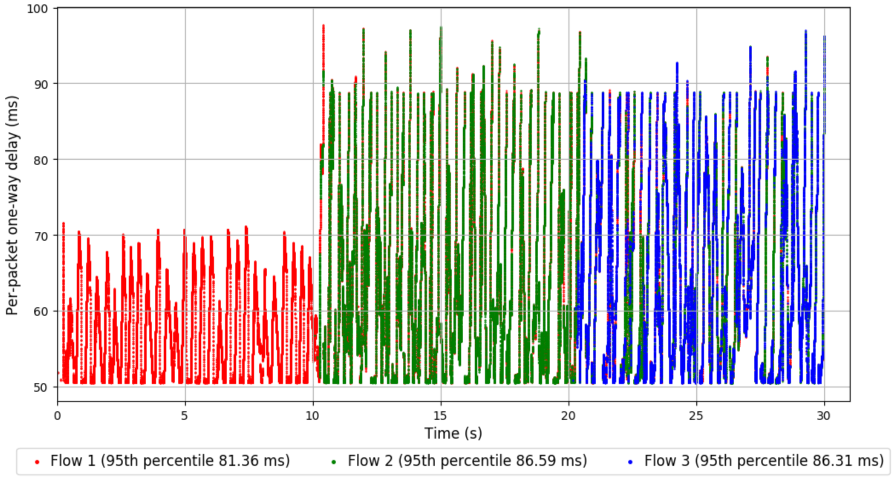




```
Run 4: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:13:53 +0000
End at: Sun, 09 Jul 2017 21:14:23 +0000
Local clock offset: 0.308 ms
Remote clock offset: -2.037 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:28:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 84.586 ms
Loss rate: 14.02%
-- Flow 1:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 81.358 ms
Loss rate: 9.99%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 86.590 ms
Loss rate: 19.63%
-- Flow 3:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 86.310 ms
Loss rate: 16.32%
```

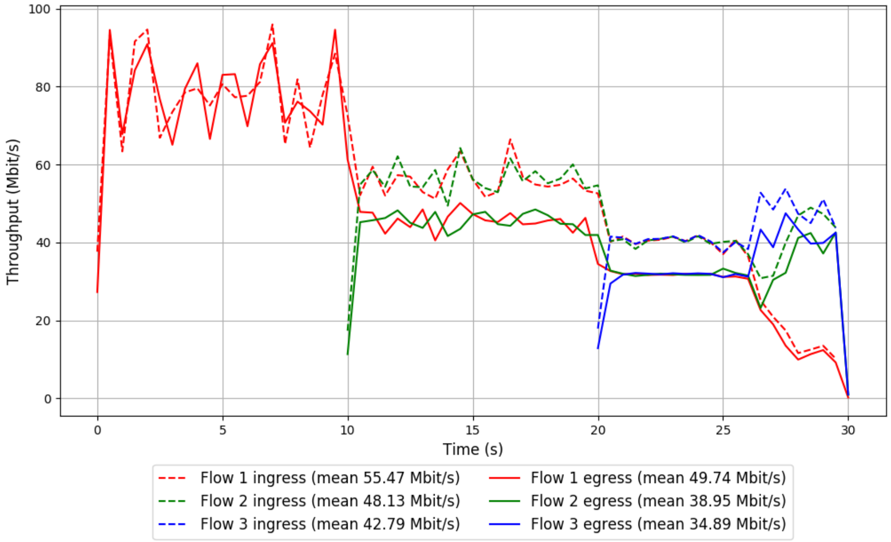
Run 4: Report of TaoVA-100x — Data Link

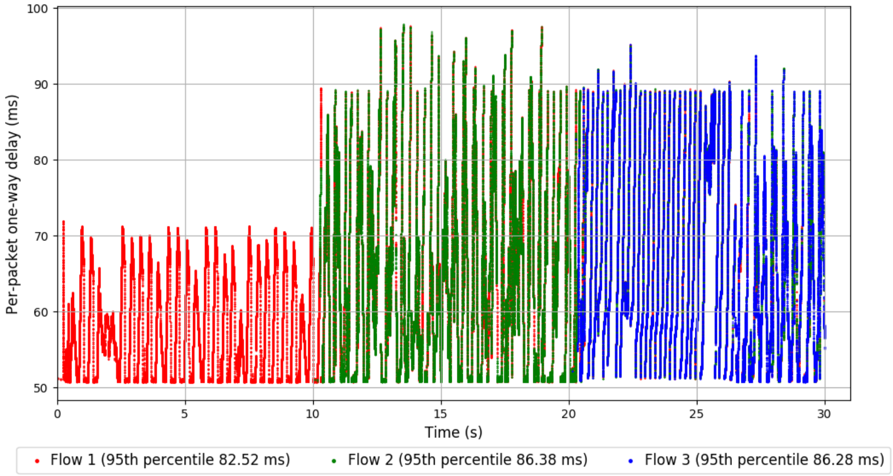




```
Run 5: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:34:46 +0000
End at: Sun, 09 Jul 2017 21:35:17 +0000
Local clock offset: 0.263 ms
Remote clock offset: 0.347 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:28:26 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 84.875 ms
Loss rate: 14.20%
-- Flow 1:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 82.516 ms
Loss rate: 10.32%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 86.380 ms
Loss rate: 19.04%
-- Flow 3:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 86.283 ms
Loss rate: 18.47%
```

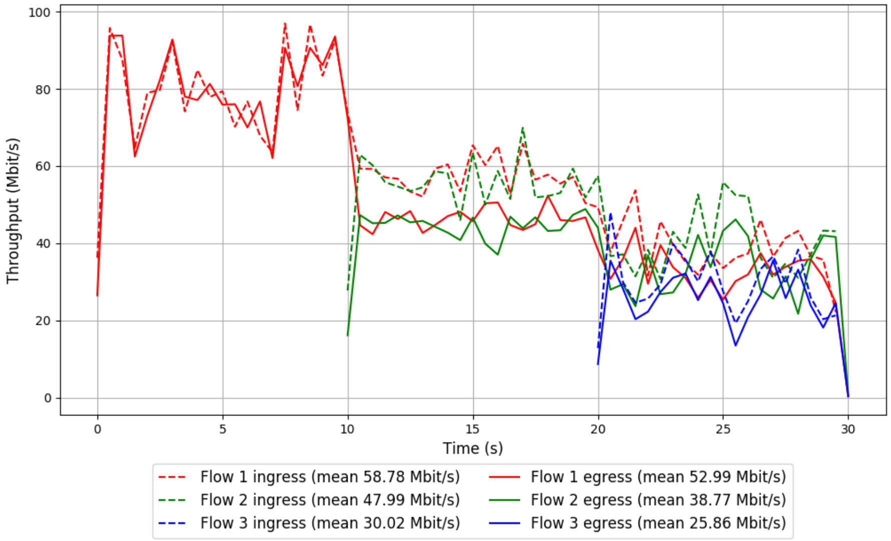
Run 5: Report of TaoVA-100x — Data Link

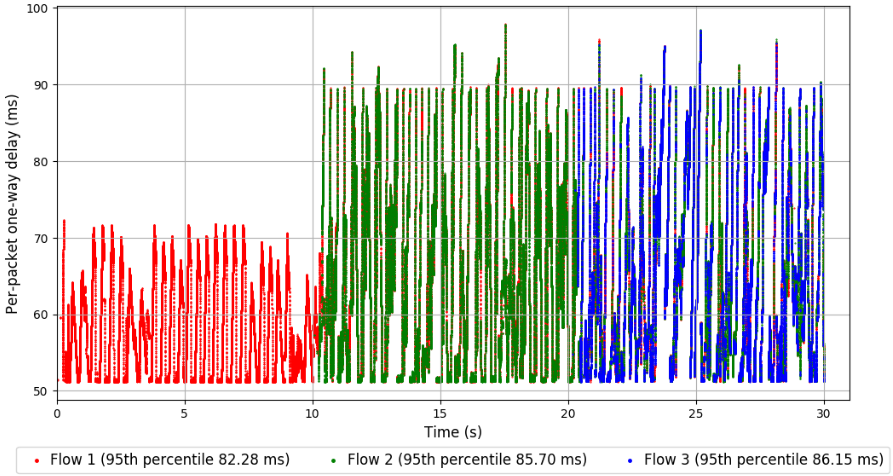




```
Run 6: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:55:37 +0000
End at: Sun, 09 Jul 2017 21:56:07 +0000
Local clock offset: 0.294 ms
Remote clock offset: -2.682 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:28:26 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 84.323 ms
Loss rate: 13.22%
-- Flow 1:
Average throughput: 52.99 Mbit/s
95th percentile per-packet one-way delay: 82.276 ms
Loss rate: 9.84%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 85.696 ms
Loss rate: 19.22%
-- Flow 3:
Average throughput: 25.86 Mbit/s
95th percentile per-packet one-way delay: 86.149 ms
Loss rate: 13.89%
```

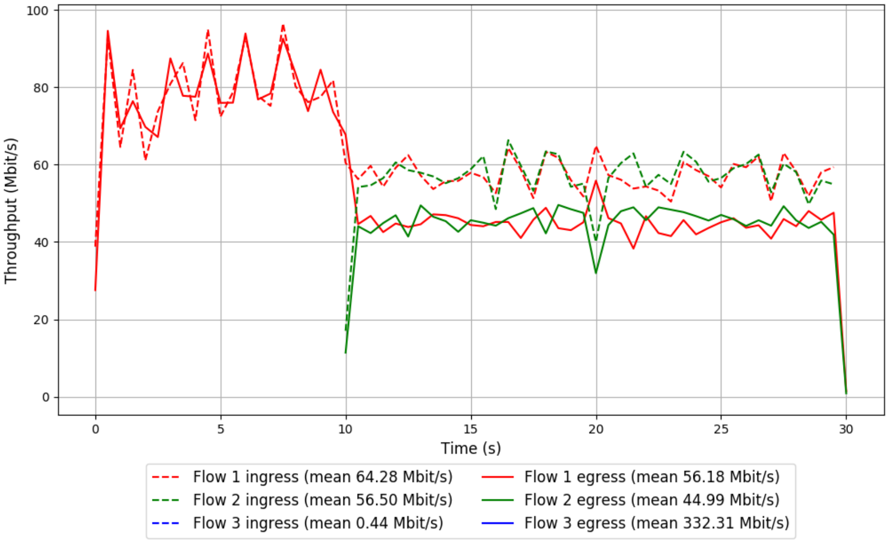
Run 6: Report of TaoVA-100x — Data Link

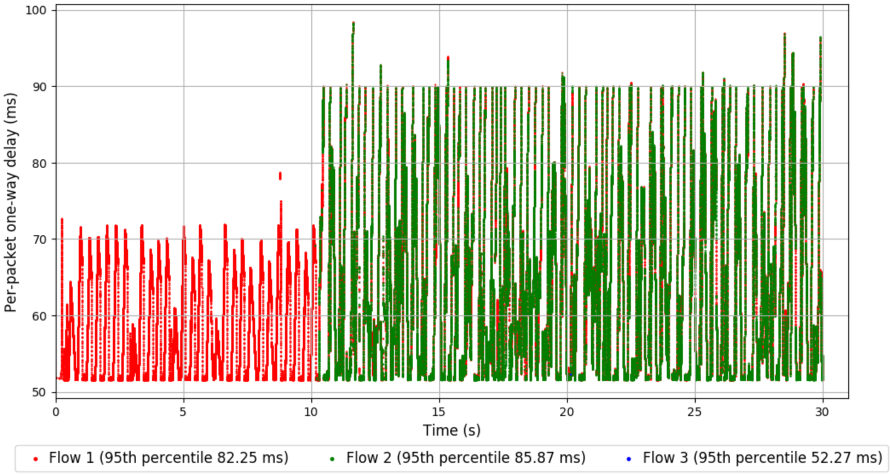




```
Run 7: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:16:21 +0000
End at: Sun, 09 Jul 2017 22:16:51 +0000
Local clock offset: 0.358 ms
Remote clock offset: -0.948 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:28:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 84.075 ms
Loss rate: 15.48%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 82.254 ms
Loss rate: 12.58%
-- Flow 2:
Average throughput: 44.99 Mbit/s
95th percentile per-packet one-way delay: 85.871 ms
Loss rate: 20.43%
-- Flow 3:
Average throughput: 332.31 Mbit/s
95th percentile per-packet one-way delay: 52.272 ms
Loss rate: 66.67%
```

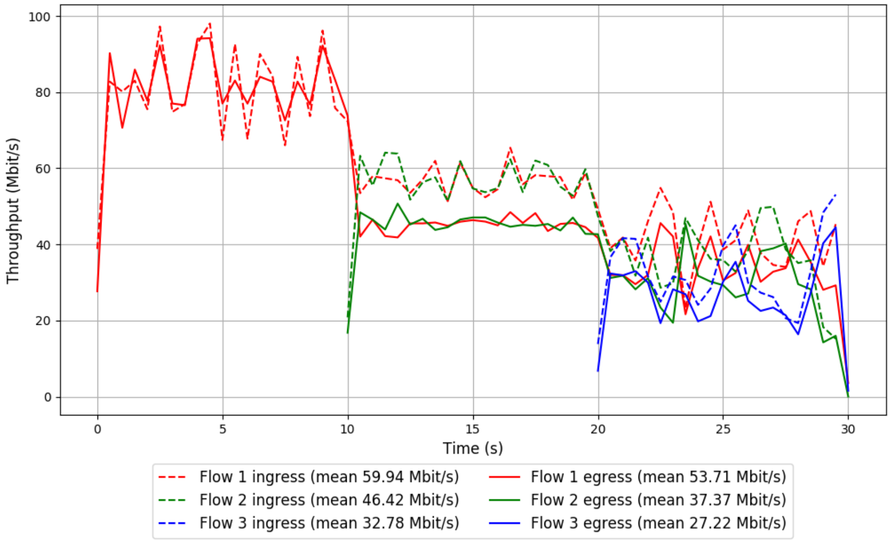
Run 7: Report of TaoVA-100x — Data Link

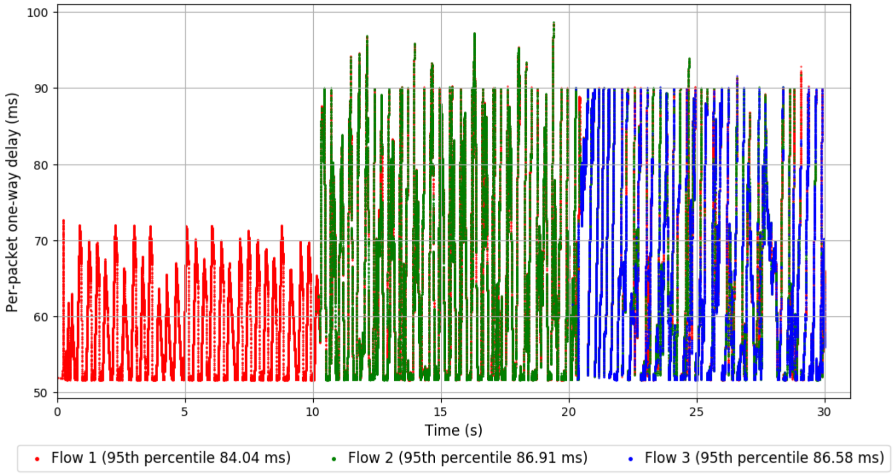




```
Run 8: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:37:20 +0000
End at: Sun, 09 Jul 2017 22:37:50 +0000
Local clock offset: 0.444 ms
Remote clock offset: -0.896 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:28:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: 85.492 ms
Loss rate: 13.83%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 84.044 ms
Loss rate: 10.36%
-- Flow 2:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 86.913 ms
Loss rate: 19.46%
-- Flow 3:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 86.578 ms
Loss rate: 16.95%
```

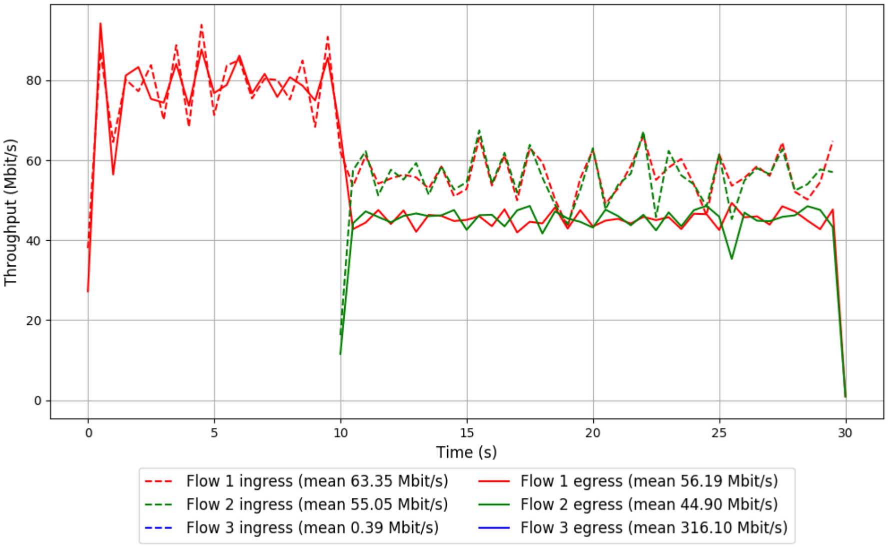
Run 8: Report of TaoVA-100x — Data Link

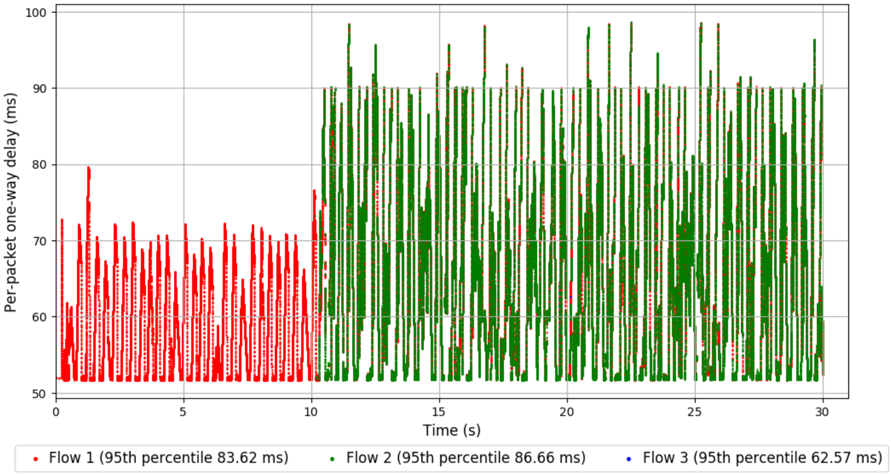




```
Run 9: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:57:49 +0000
End at: Sun, 09 Jul 2017 22:58:19 +0000
Local clock offset: 0.443 ms
Remote clock offset: -0.845 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 85.023 ms
Loss rate: 13.97%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 83.620 ms
Loss rate: 11.32%
-- Flow 2:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 86.662 ms
Loss rate: 18.55%
-- Flow 3:
Average throughput: 316.10 Mbit/s
95th percentile per-packet one-way delay: 62.573 ms
Loss rate: 66.67%
```

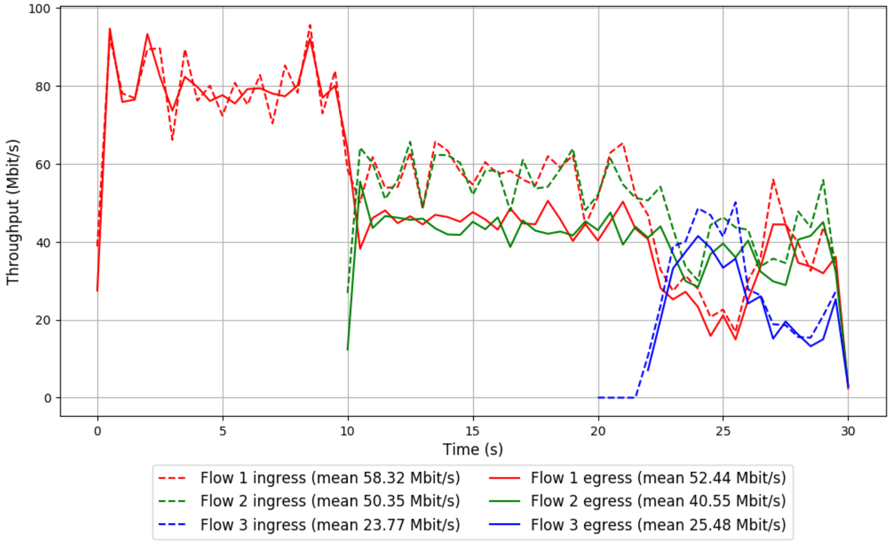
Run 9: Report of TaoVA-100x — Data Link

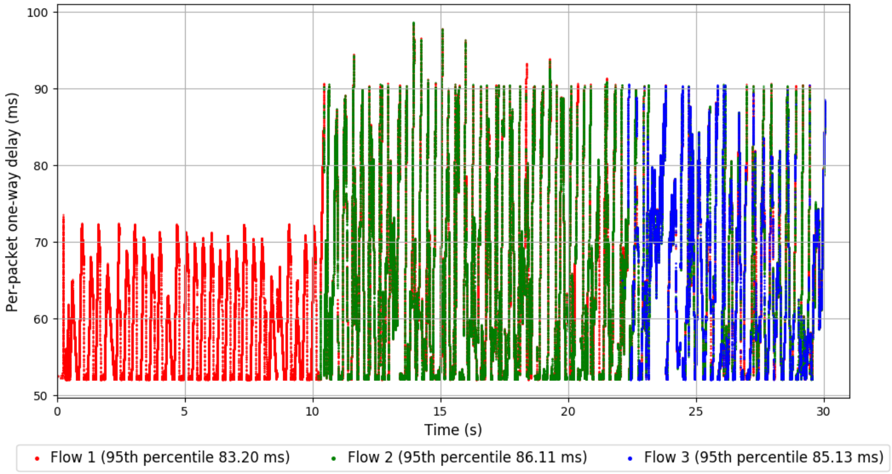




```
Run 10: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 23:18:21 +0000
End at: Sun, 09 Jul 2017 23:18:51 +0000
Local clock offset: 0.645 ms
Remote clock offset: -0.719 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.08 Mbit/s
95th percentile per-packet one-way delay: 84.633 ms
Loss rate: 13.49%
-- Flow 1:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 83.199 ms
Loss rate: 10.01%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 86.106 ms
Loss rate: 19.39%
-- Flow 3:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 85.134 ms
Loss rate: 14.22%
```

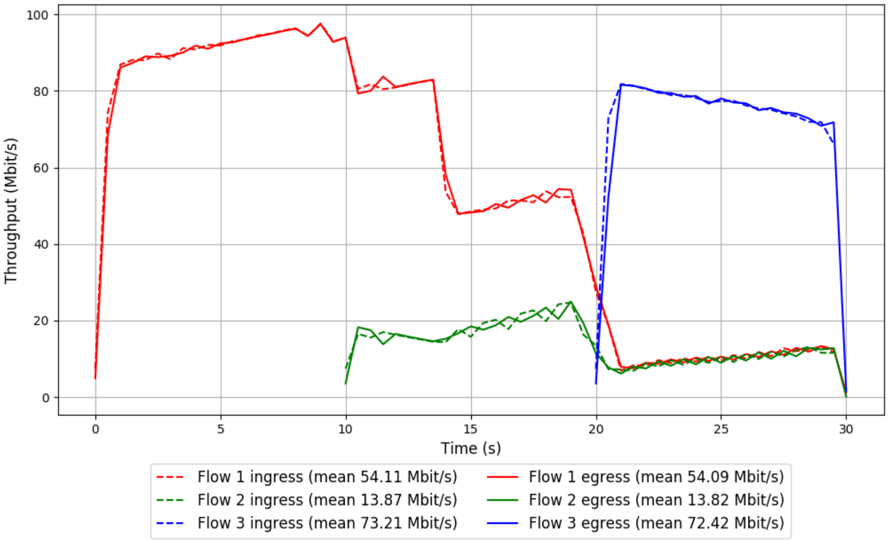
Run 10: Report of TaoVA-100x — Data Link

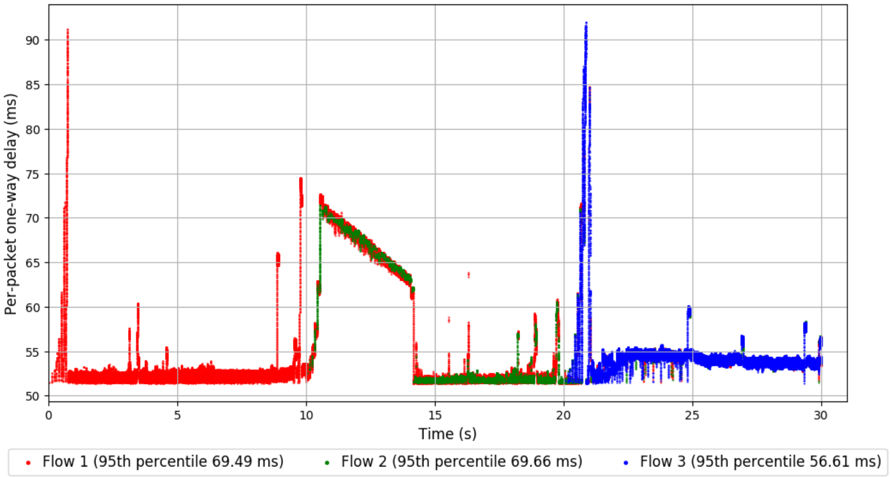




```
Run 1: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:03:50 +0000
End at: Sun, 09 Jul 2017 20:04:20 +0000
Local clock offset: 0.731 ms
Remote clock offset: -0.46 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 68.986 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 54.09 Mbit/s
95th percentile per-packet one-way delay: 69.491 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 13.82 Mbit/s
95th percentile per-packet one-way delay: 69.662 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 72.42 Mbit/s
95th percentile per-packet one-way delay: 56.613 ms
Loss rate: 1.08%
```

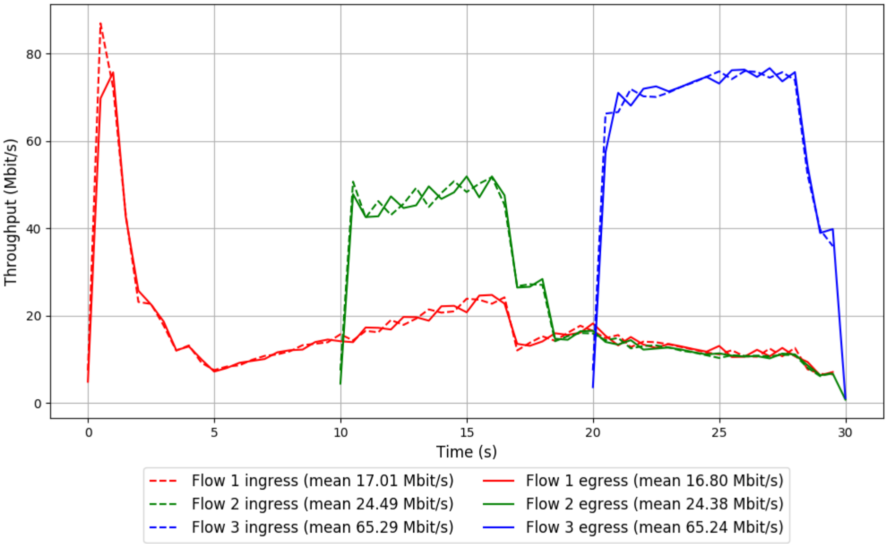
Run 1: Report of TCP Vegas — Data Link

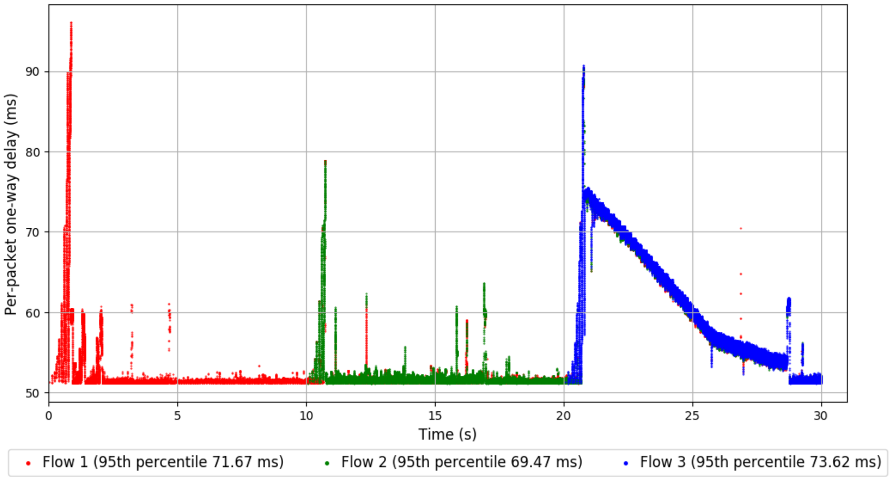




```
Run 2: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:24:19 +0000
End at: Sun, 09 Jul 2017 20:24:49 +0000
Local clock offset: 0.533 ms
Remote clock offset: -0.386 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 72.662 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 71.666 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 69.471 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 73.616 ms
Loss rate: 0.07%
```

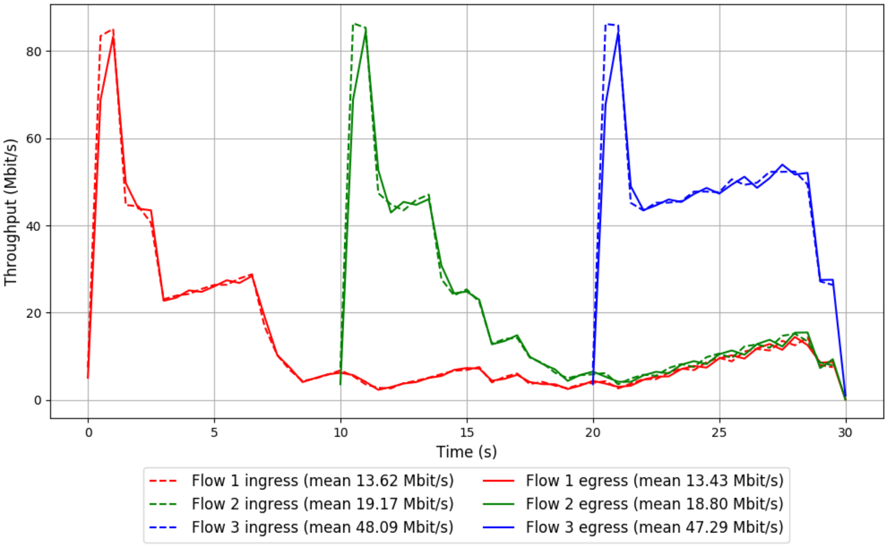
Run 2: Report of TCP Vegas — Data Link

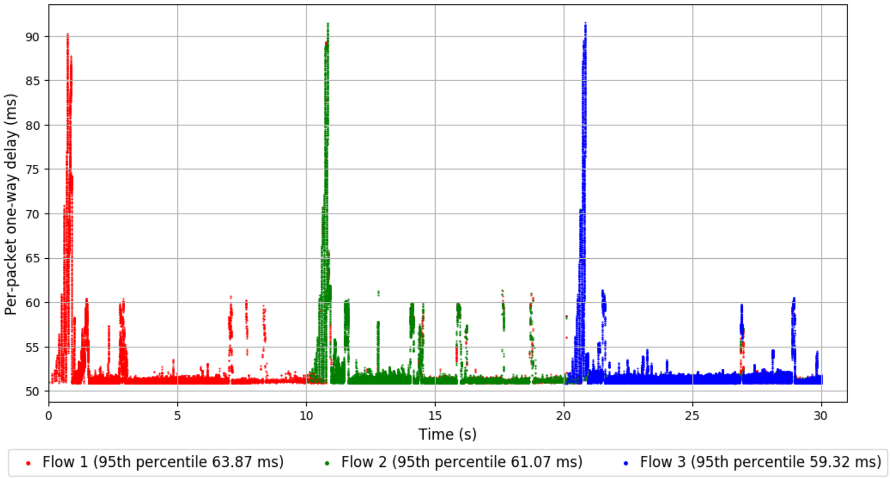




```
Run 3: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:44:52 +0000
End at: Sun, 09 Jul 2017 20:45:22 +0000
Local clock offset: 0.459 ms
Remote clock offset: 0.354 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 60.233 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 13.43 Mbit/s
95th percentile per-packet one-way delay: 63.874 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 61.069 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 59.324 ms
Loss rate: 1.67%
```

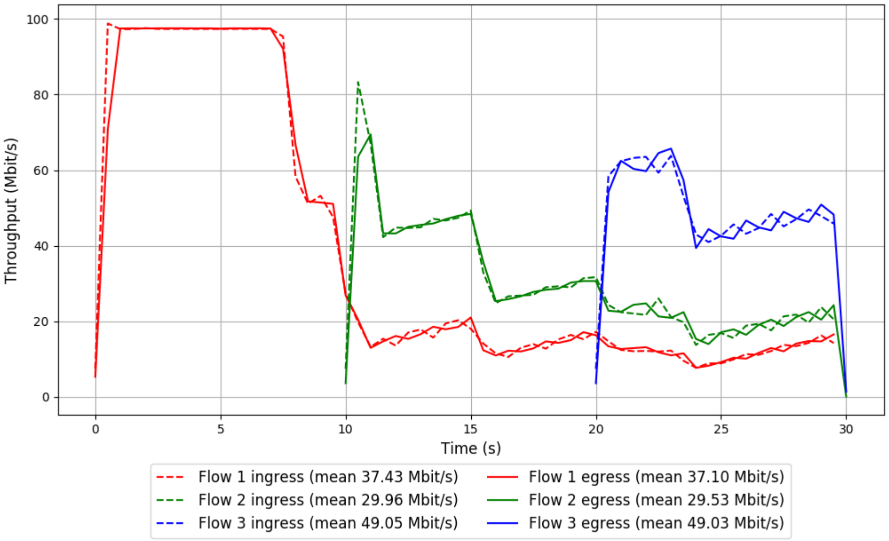
Run 3: Report of TCP Vegas — Data Link

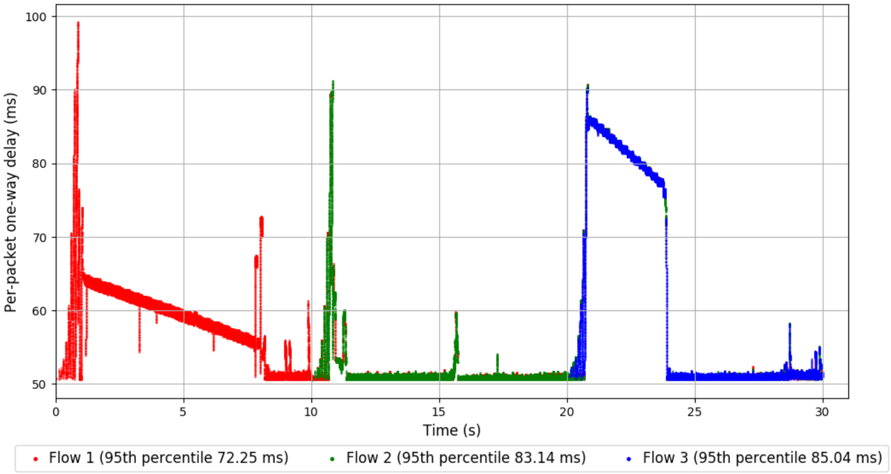




```
Run 4: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:05:30 +0000
End at: Sun, 09 Jul 2017 21:06:00 +0000
Local clock offset: 0.262 ms
Remote clock offset: 0.474 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 83.285 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 72.253 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 83.137 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 85.037 ms
Loss rate: 0.04%
```

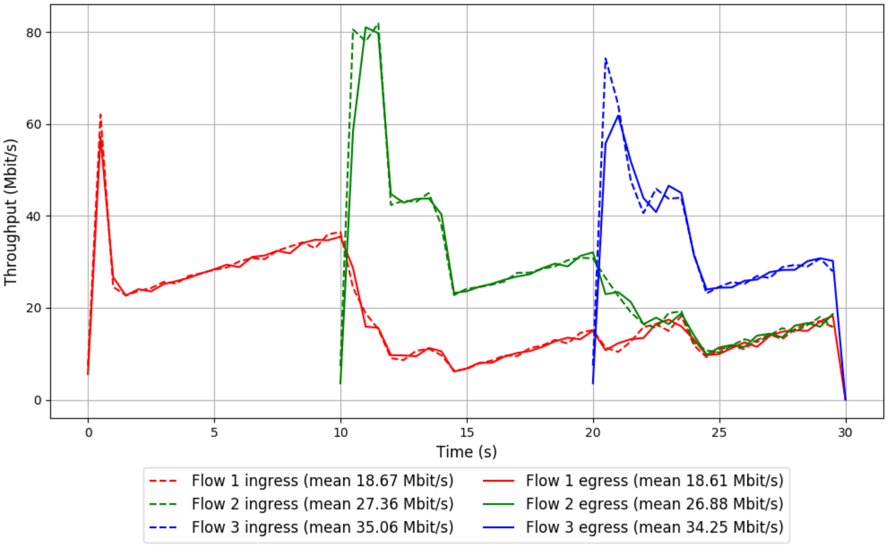
Run 4: Report of TCP Vegas — Data Link

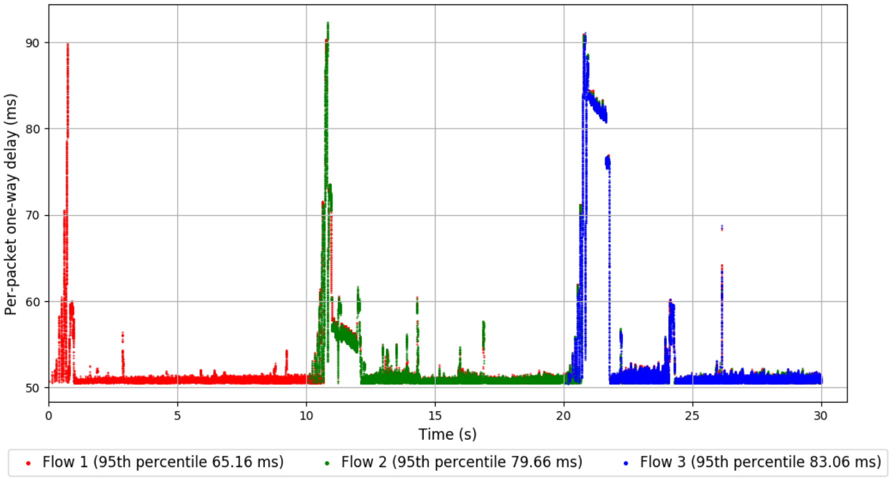




```
Run 5: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:26:34 +0000
End at: Sun, 09 Jul 2017 21:27:04 +0000
Local clock offset: 0.247 ms
Remote clock offset: -2.135 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 81.848 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 18.61 Mbit/s
95th percentile per-packet one-way delay: 65.155 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 79.660 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 83.057 ms
Loss rate: 2.30%
```

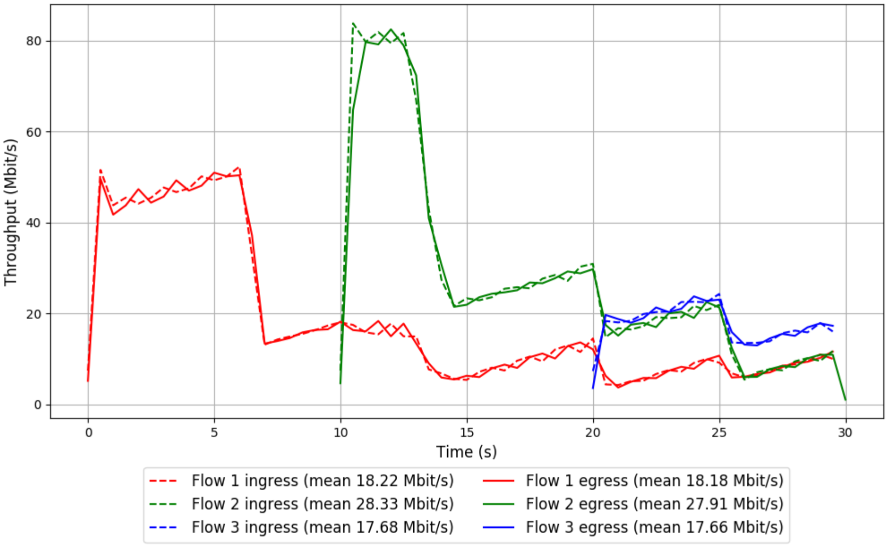
Run 5: Report of TCP Vegas — Data Link

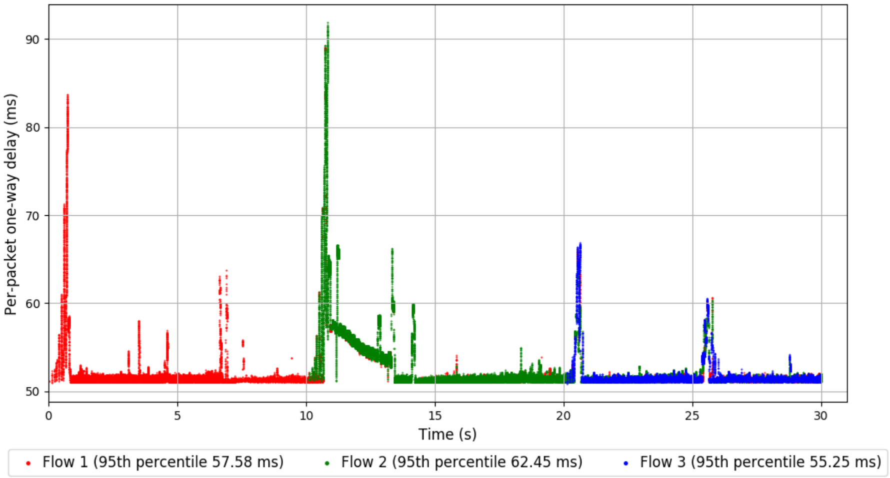




```
Run 6: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:47:27 +0000
End at: Sun, 09 Jul 2017 21:47:57 +0000
Local clock offset: 0.209 ms
Remote clock offset: -2.413 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:37 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.61 Mbit/s
95th percentile per-packet one-way delay: 59.107 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 57.576 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 62.452 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 17.66 Mbit/s
95th percentile per-packet one-way delay: 55.251 ms
Loss rate: 0.11%
```

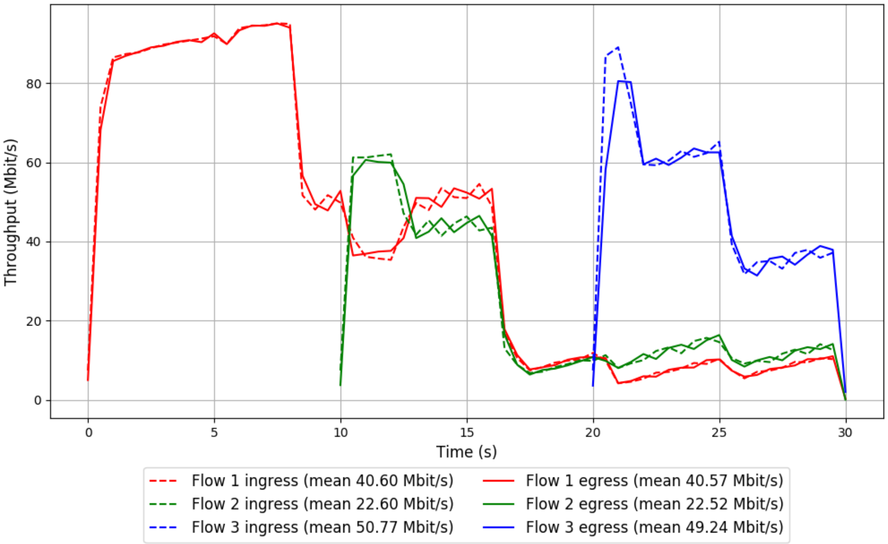
Run 6: Report of TCP Vegas — Data Link

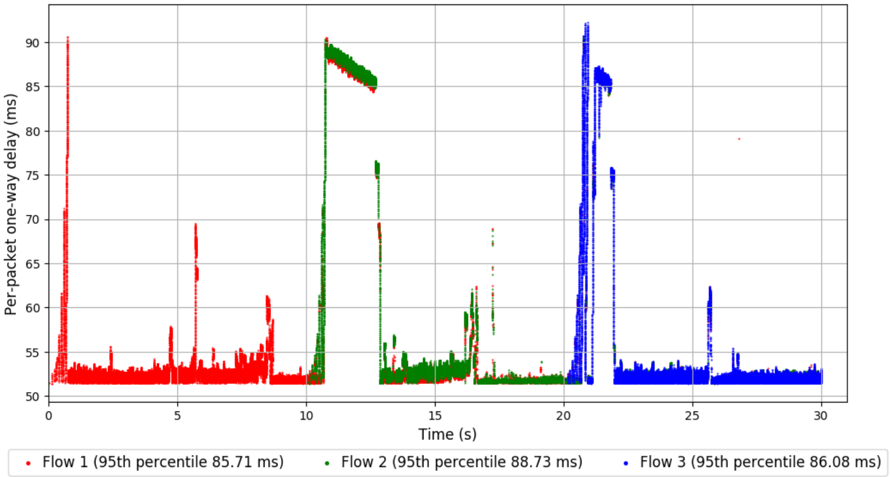




```
Run 7: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:08:04 +0000
End at: Sun, 09 Jul 2017 22:08:34 +0000
Local clock offset: 0.316 ms
Remote clock offset: -2.789 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.90 Mbit/s
95th percentile per-packet one-way delay: 87.063 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 85.713 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 88.732 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 86.085 ms
Loss rate: 3.15%
```

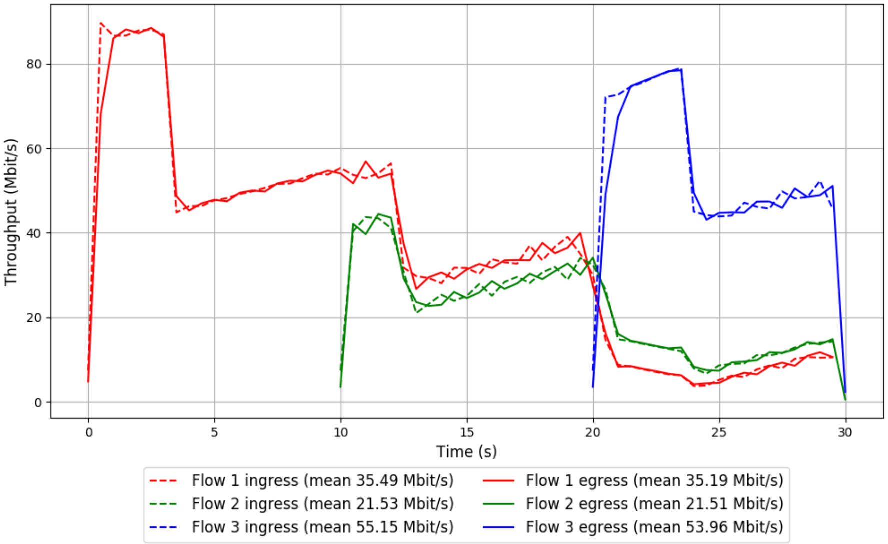
Run 7: Report of TCP Vegas — Data Link

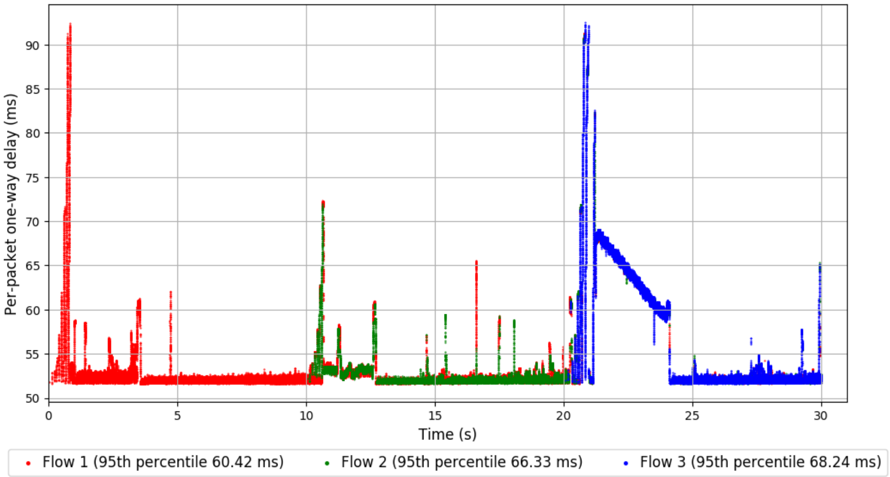




```
Run 8: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:29:09 +0000
End at: Sun, 09 Jul 2017 22:29:39 +0000
Local clock offset: 0.414 ms
Remote clock offset: -0.349 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 66.845 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 60.421 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 21.51 Mbit/s
95th percentile per-packet one-way delay: 66.330 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: 68.242 ms
Loss rate: 2.16%
```

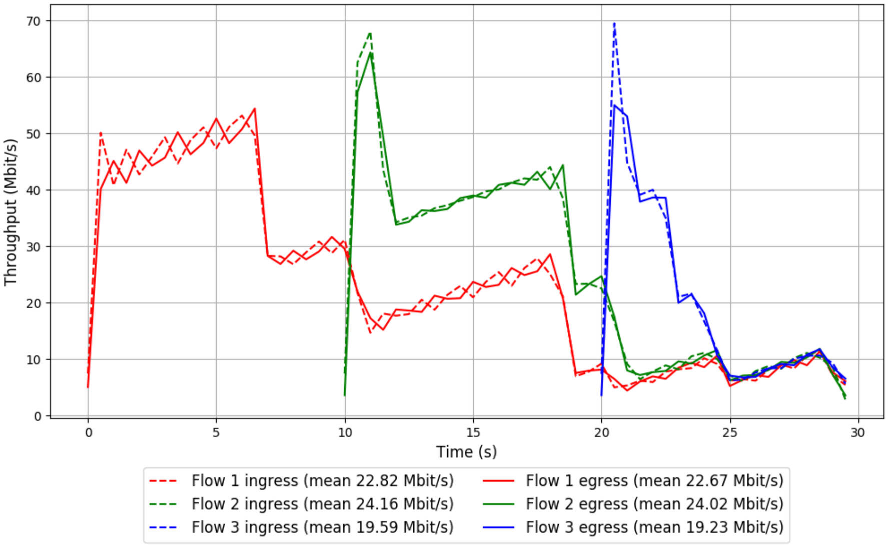
Run 8: Report of TCP Vegas — Data Link

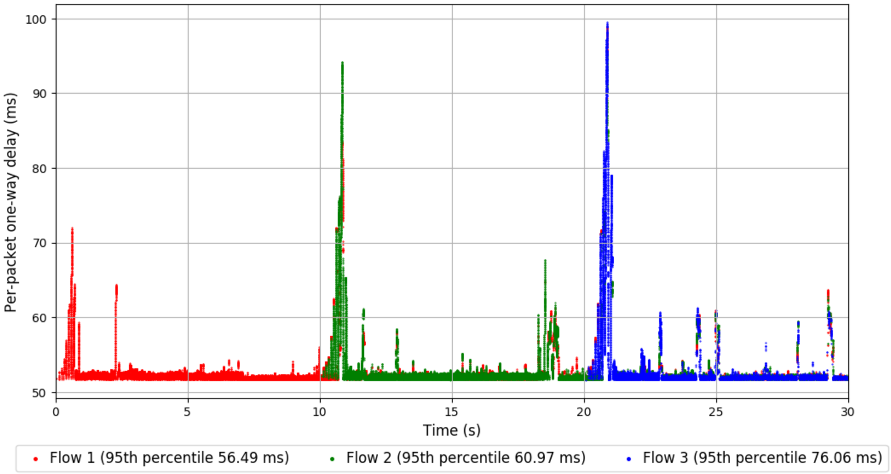




```
Run 9: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:49:41 +0000
End at: Sun, 09 Jul 2017 22:50:11 +0000
Local clock offset: 0.487 ms
Remote clock offset: -0.435 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.01 Mbit/s
95th percentile per-packet one-way delay: 60.401 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 56.487 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 60.970 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 76.055 ms
Loss rate: 2.10%
```

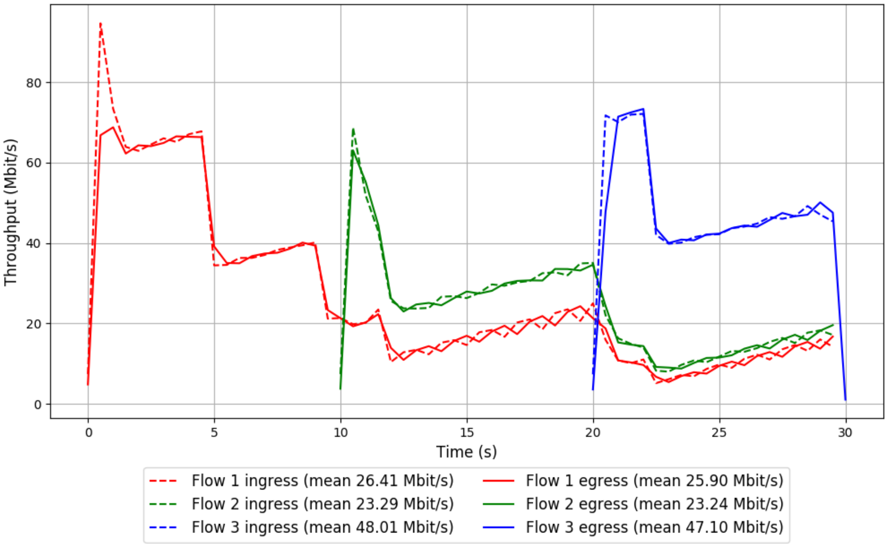
Run 9: Report of TCP Vegas — Data Link

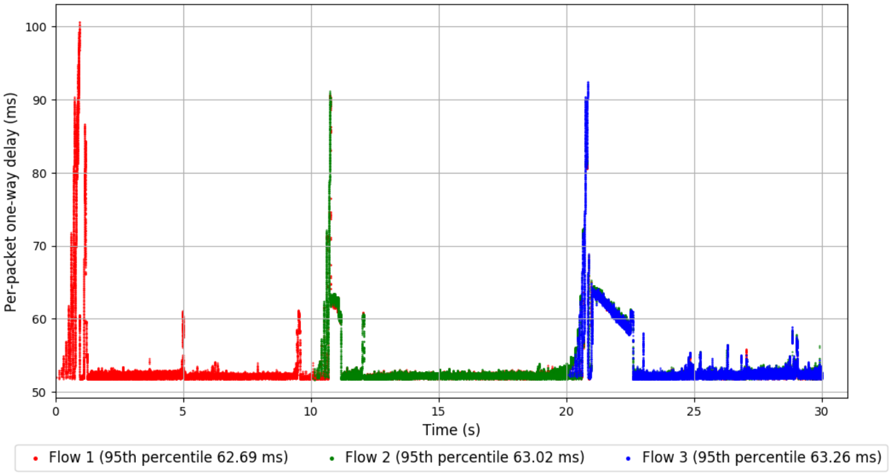




```
Run 10: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:10:11 +0000
End at: Sun, 09 Jul 2017 23:10:41 +0000
Local clock offset: 0.597 ms
Remote clock offset: -0.882 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 63.118 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 62.686 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 63.017 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 63.264 ms
Loss rate: 1.91%
```

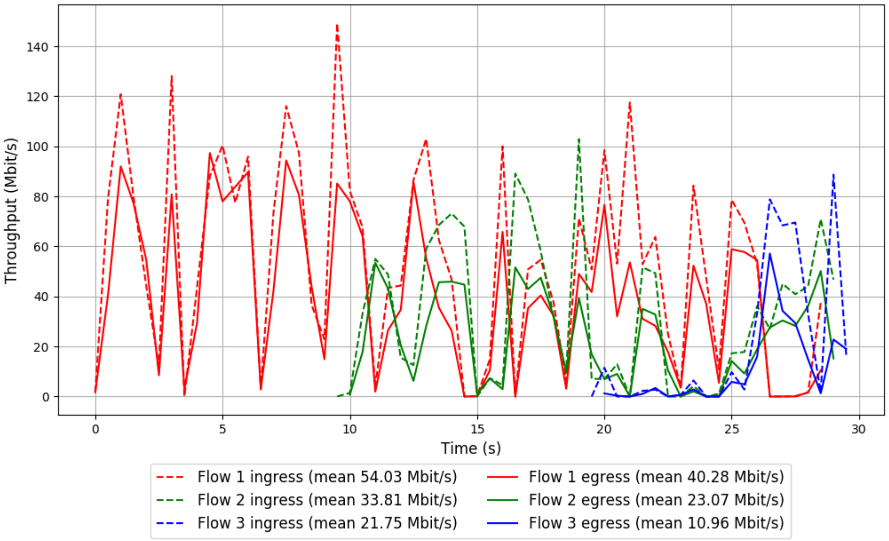
Run 10: Report of TCP Vegas — Data Link

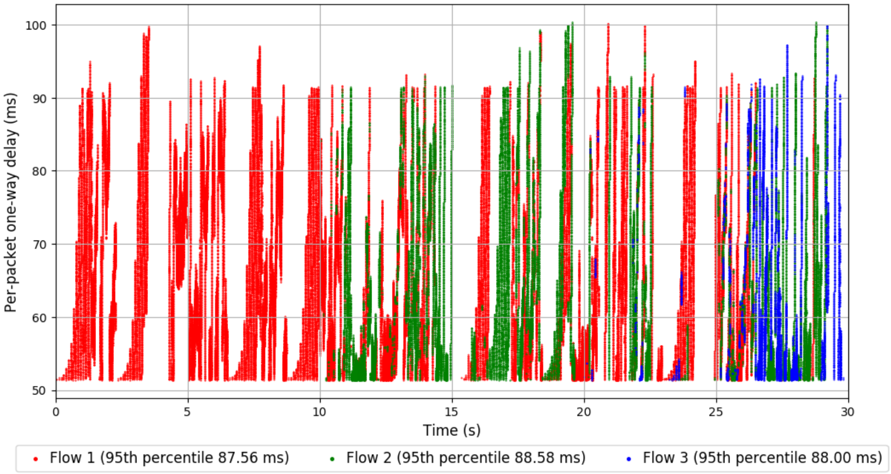




```
Run 1: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:09:18 +0000
End at: Sun, 09 Jul 2017 20:09:48 +0000
Local clock offset: 0.609 ms
Remote clock offset: -2.551 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:29:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 87.864 ms
Loss rate: 29.27%
-- Flow 1:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 87.563 ms
Loss rate: 25.40%
-- Flow 2:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 88.579 ms
Loss rate: 31.80%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 88.003 ms
Loss rate: 49.58%
```

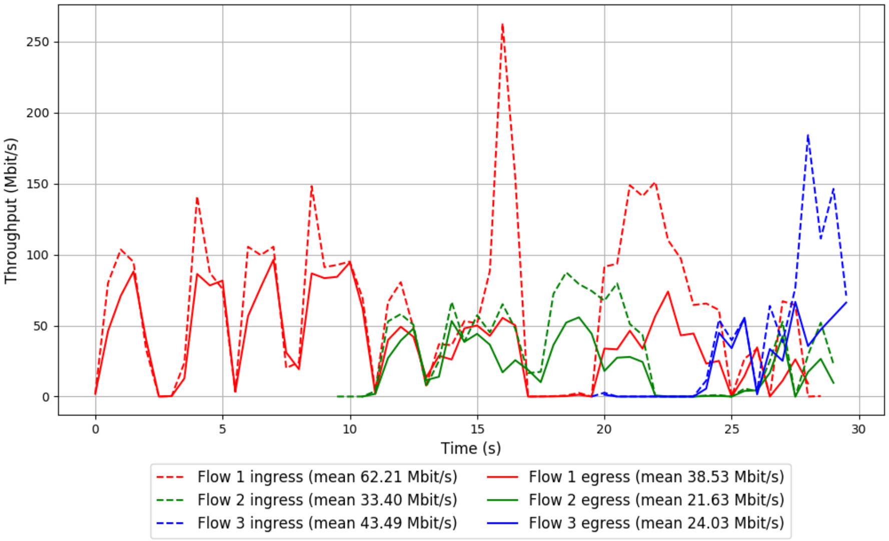
Run 1: Report of Verus — Data Link

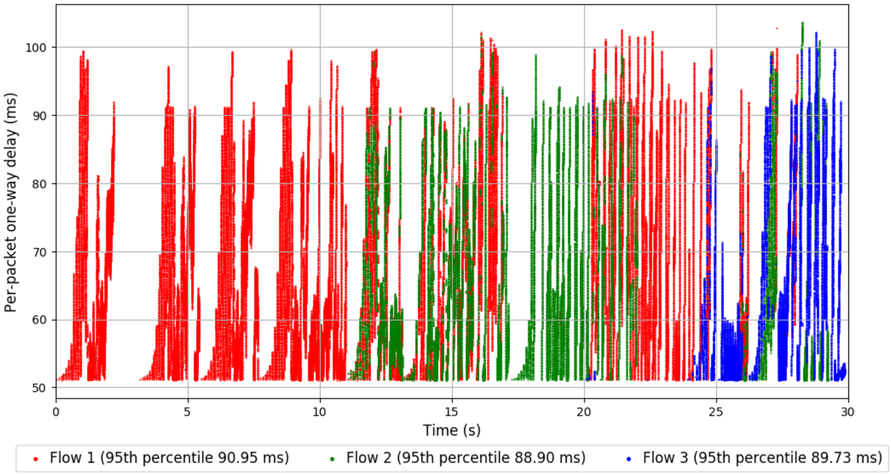




```
Run 2: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:29:44 +0000
End at: Sun, 09 Jul 2017 20:30:14 +0000
Local clock offset: 0.438 ms
Remote clock offset: -0.276 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 90.280 ms
Loss rate: 40.53%
-- Flow 1:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 90.954 ms
Loss rate: 40.12%
-- Flow 2:
Average throughput: 21.63 Mbit/s
95th percentile per-packet one-way delay: 88.901 ms
Loss rate: 38.89%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 89.730 ms
Loss rate: 44.76%
```

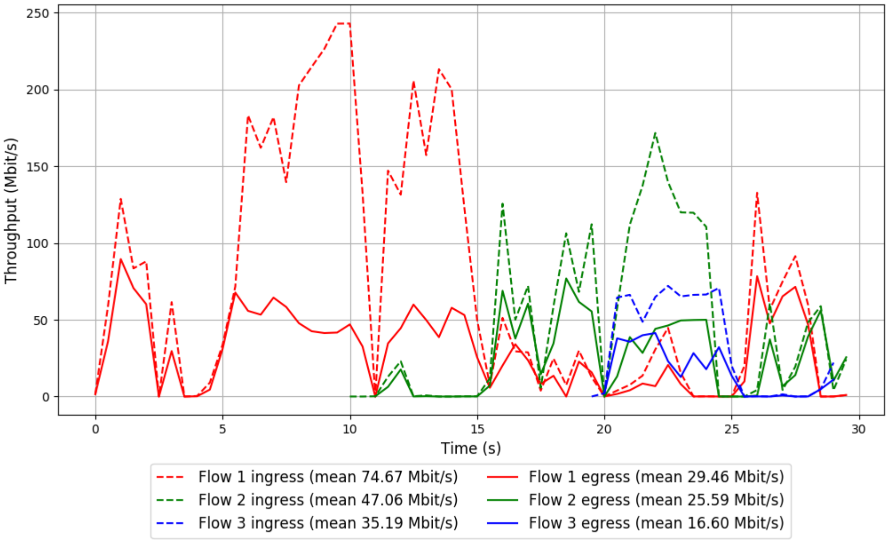
Run 2: Report of Verus — Data Link

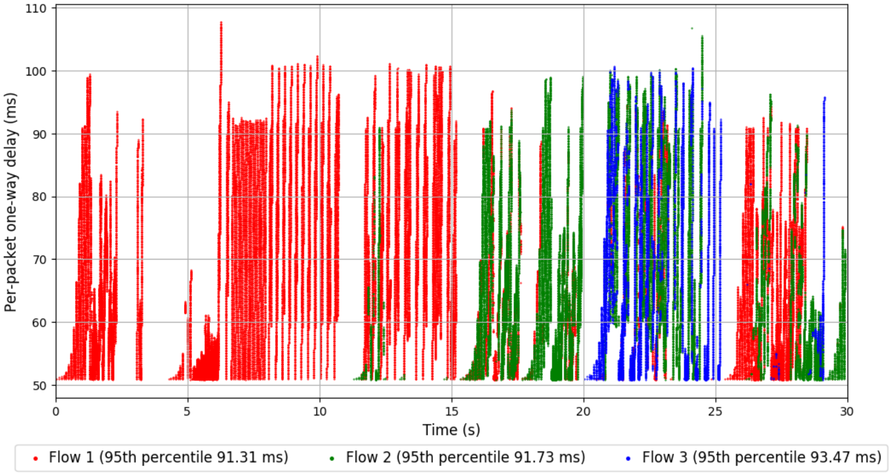




```
Run 3: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:50:18 +0000
End at: Sun, 09 Jul 2017 20:50:48 +0000
Local clock offset: 0.349 ms
Remote clock offset: -0.179 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:07 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 91.658 ms
Loss rate: 56.54%
-- Flow 1:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 91.312 ms
Loss rate: 60.51%
-- Flow 2:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 91.731 ms
Loss rate: 48.31%
-- Flow 3:
Average throughput: 16.60 Mbit/s
95th percentile per-packet one-way delay: 93.468 ms
Loss rate: 52.61%
```

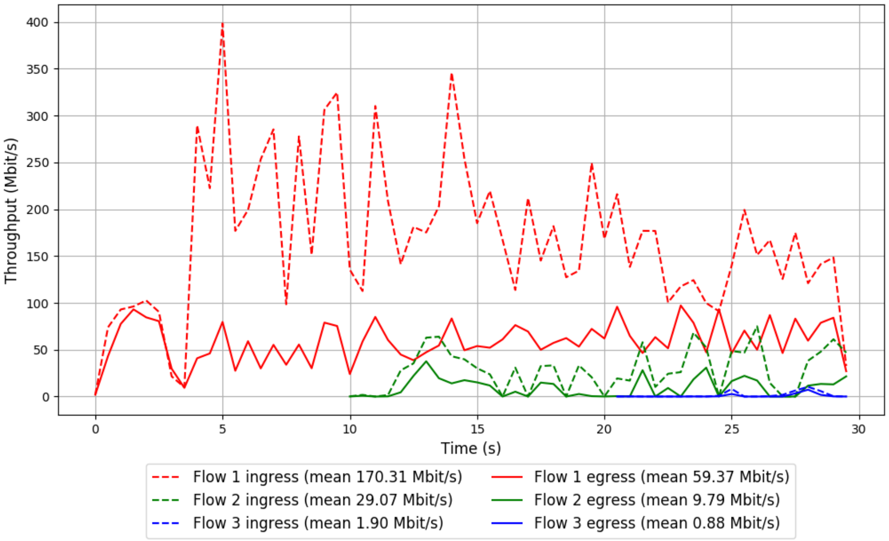
Run 3: Report of Verus — Data Link

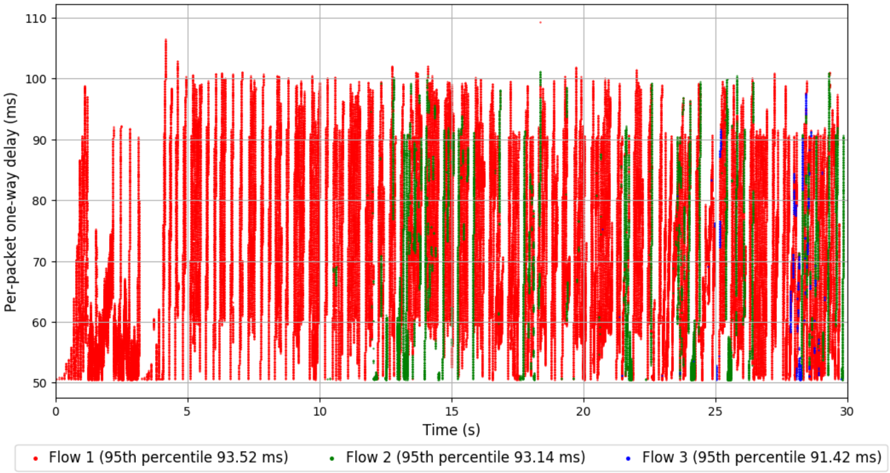




```
Run 4: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:11:01 +0000
End at: Sun, 09 Jul 2017 21:11:31 +0000
Local clock offset: 0.212 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 93.490 ms
Loss rate: 65.20%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 93.516 ms
Loss rate: 65.11%
-- Flow 2:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 93.144 ms
Loss rate: 66.32%
-- Flow 3:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 91.425 ms
Loss rate: 54.45%
```

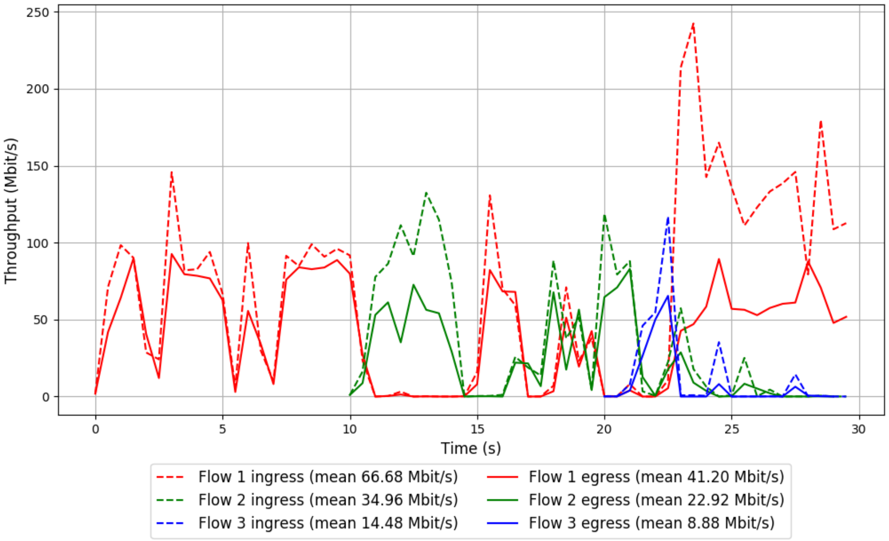
Run 4: Report of Verus — Data Link

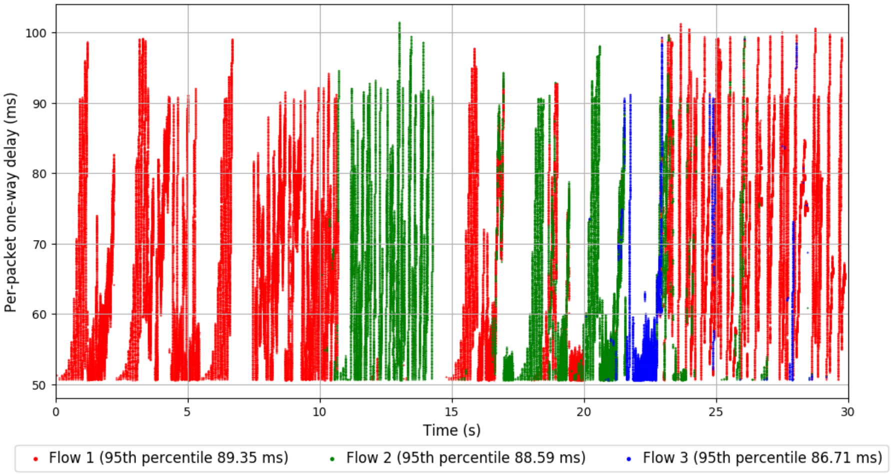




```
Run 5: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:32:01 +0000
End at: Sun, 09 Jul 2017 21:32:31 +0000
Local clock offset: 0.176 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 89.084 ms
Loss rate: 37.92%
-- Flow 1:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 89.346 ms
Loss rate: 38.19%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 88.587 ms
Loss rate: 36.27%
-- Flow 3:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 86.707 ms
Loss rate: 42.10%
```

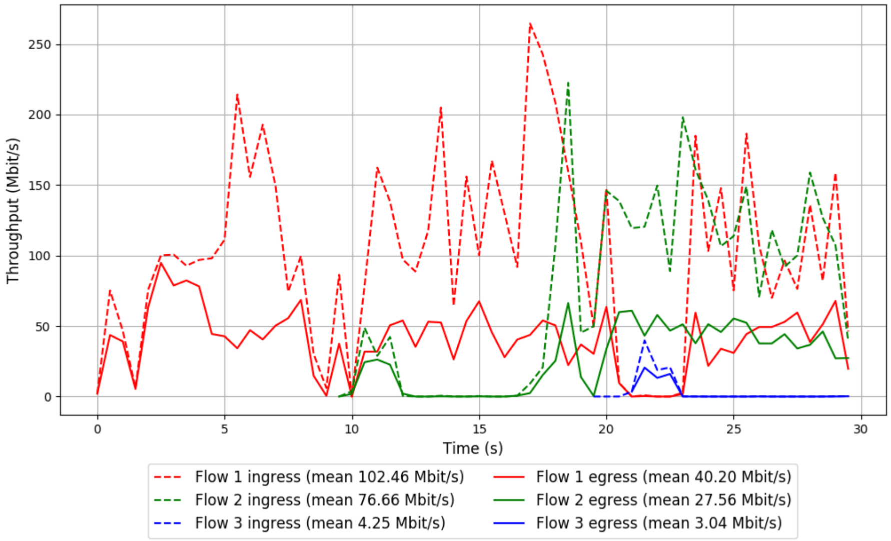
Run 5: Report of Verus — Data Link

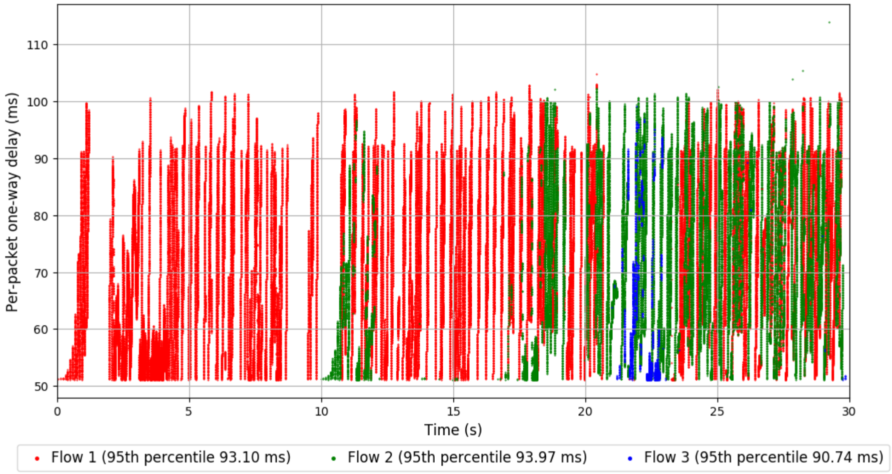




```
Run 6: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:52:52 +0000
End at: Sun, 09 Jul 2017 21:53:22 +0000
Local clock offset: 0.235 ms
Remote clock offset: -2.545 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 93.378 ms
Loss rate: 61.60%
-- Flow 1:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 93.101 ms
Loss rate: 60.76%
-- Flow 2:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 93.974 ms
Loss rate: 64.01%
-- Flow 3:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 90.739 ms
Loss rate: 35.86%
```

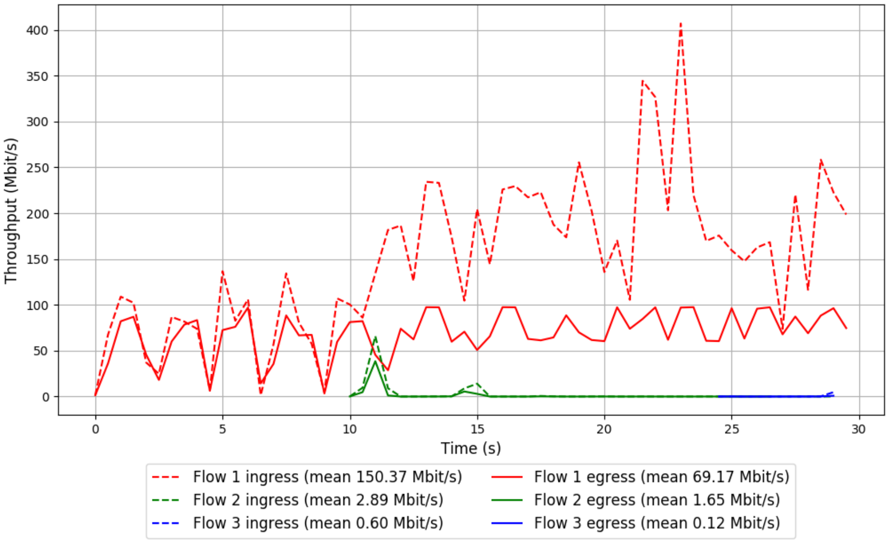
Run 6: Report of Verus — Data Link

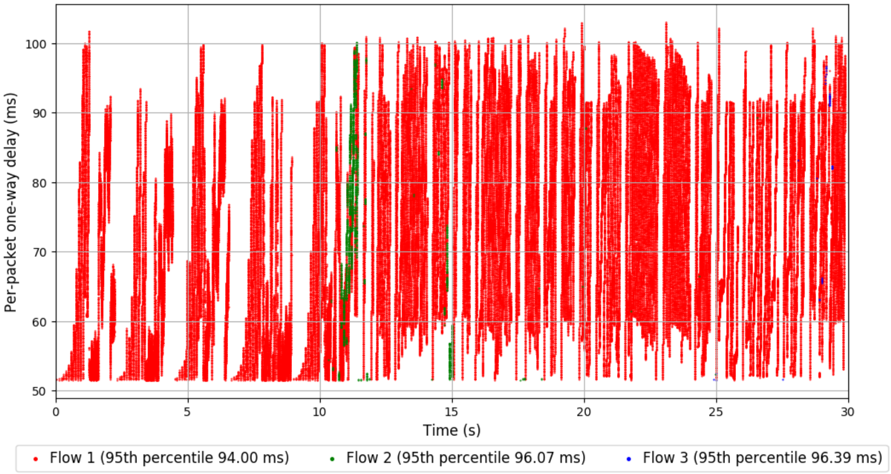




```
Run 7: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:13:33 +0000
End at: Sun, 09 Jul 2017 22:14:03 +0000
Local clock offset: 0.249 ms
Remote clock offset: -0.977 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:30 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 94.030 ms
Loss rate: 53.96%
-- Flow 1:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 94.004 ms
Loss rate: 53.99%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 96.069 ms
Loss rate: 50.96%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 96.388 ms
Loss rate: 80.26%
```

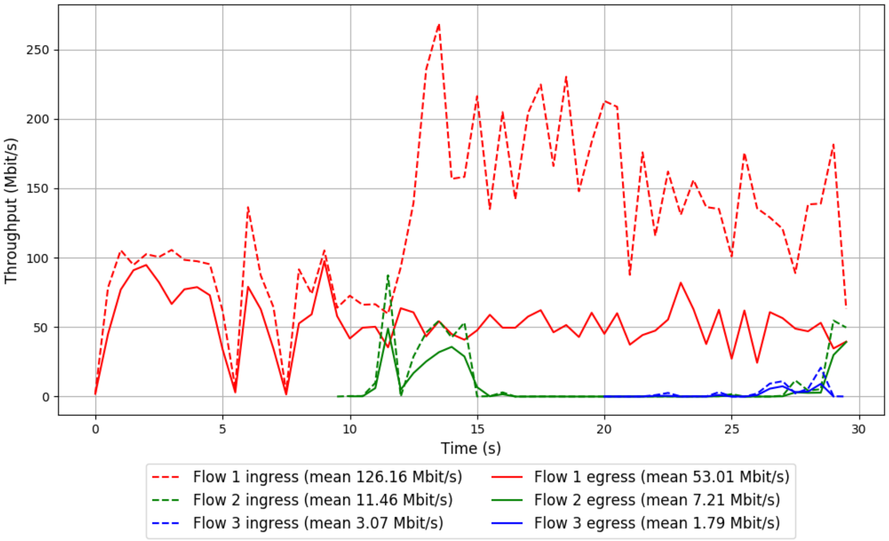
Run 7: Report of Verus — Data Link

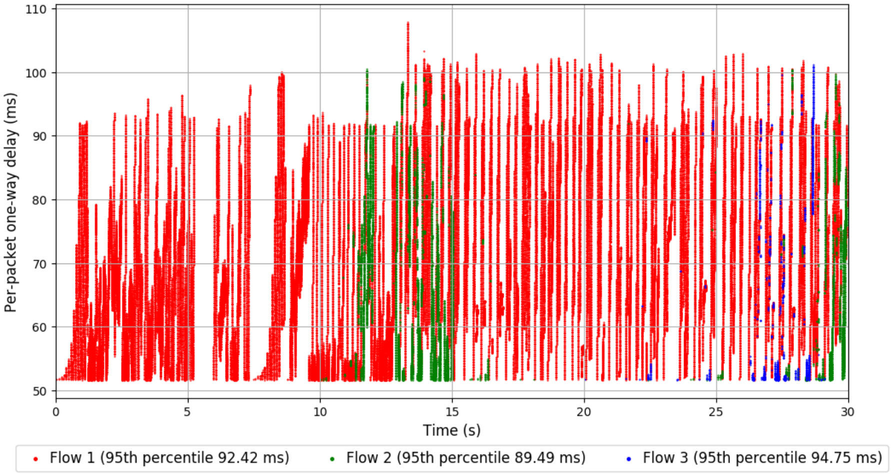




```
Run 8: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:34:36 +0000
End at: Sun, 09 Jul 2017 22:35:06 +0000
Local clock offset: 0.348 ms
Remote clock offset: -0.942 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 92.268 ms
Loss rate: 56.67%
-- Flow 1:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 92.417 ms
Loss rate: 57.95%
-- Flow 2:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 89.487 ms
Loss rate: 37.05%
-- Flow 3:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 94.753 ms
Loss rate: 44.89%
```

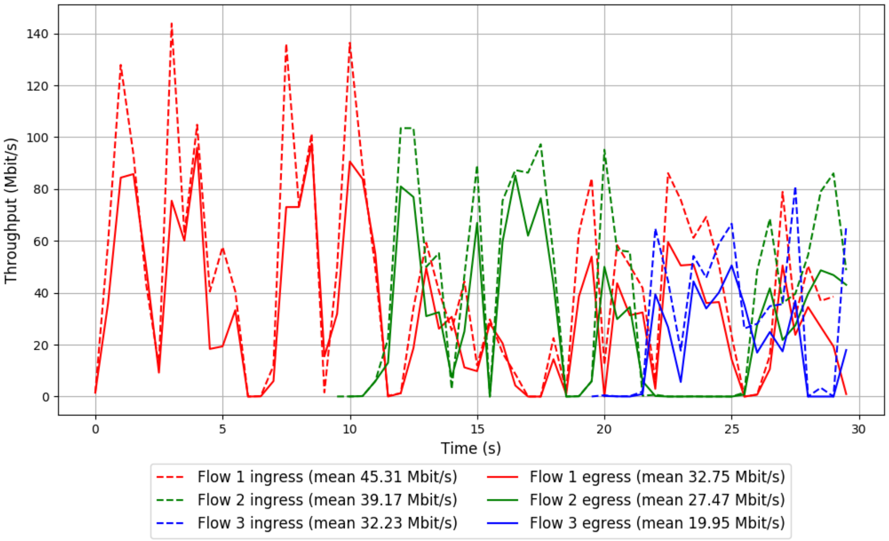
Run 8: Report of Verus — Data Link

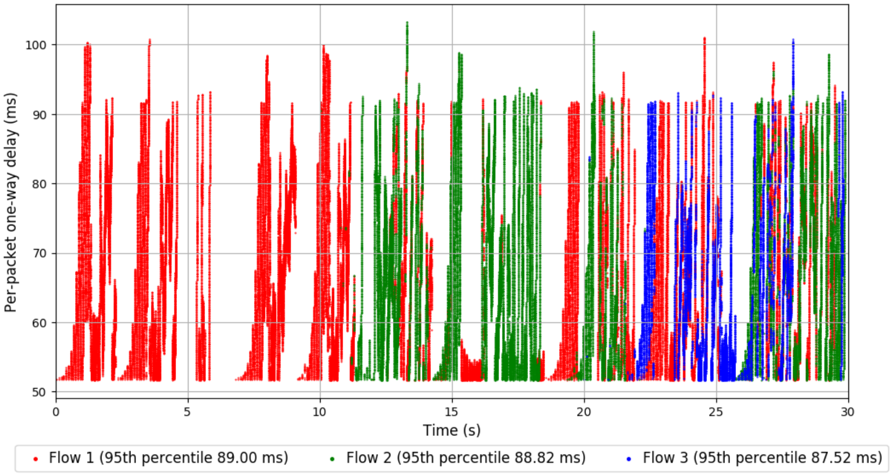




```
Run 9: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:55:06 +0000
End at: Sun, 09 Jul 2017 22:55:36 +0000
Local clock offset: 0.421 ms
Remote clock offset: -0.953 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 88.784 ms
Loss rate: 29.72%
-- Flow 1:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 89.005 ms
Loss rate: 27.65%
-- Flow 2:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 88.823 ms
Loss rate: 29.94%
-- Flow 3:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 87.520 ms
Loss rate: 37.90%
```

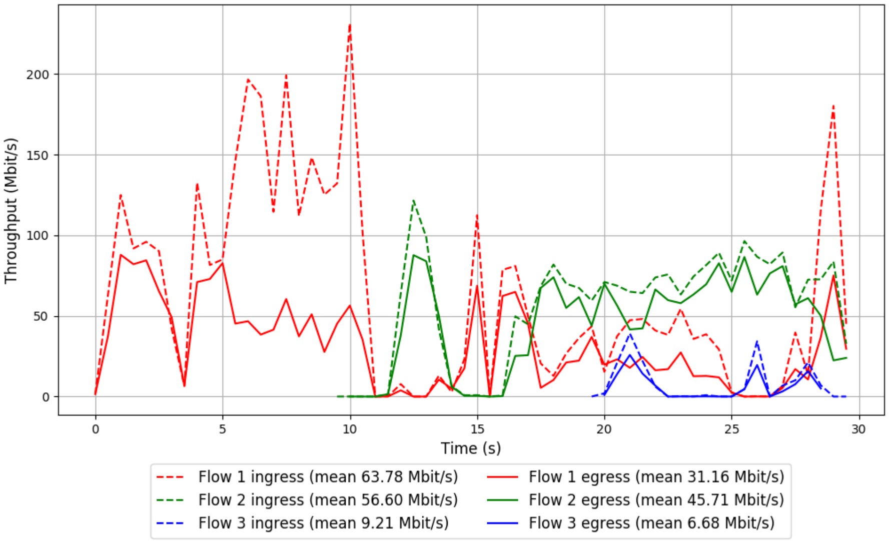
Run 9: Report of Verus — Data Link

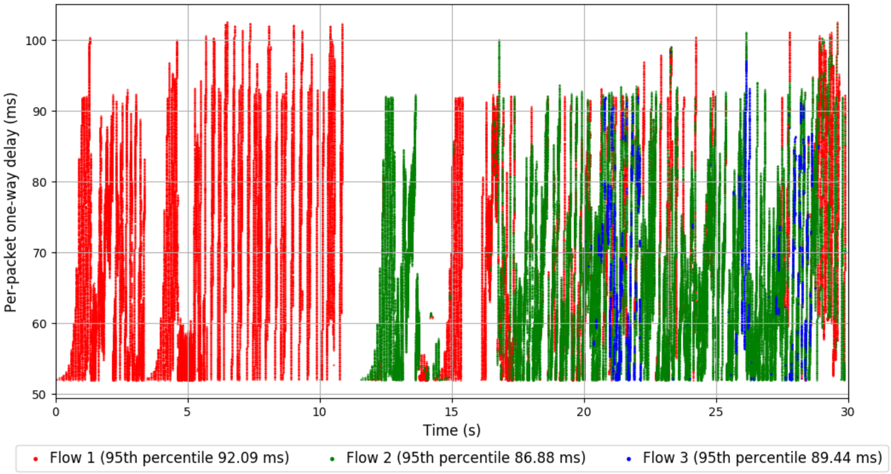




```
Run 10: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:15:36 +0000
End at: Sun, 09 Jul 2017 23:16:06 +0000
Local clock offset: 0.629 ms
Remote clock offset: -1.135 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 90.214 ms
Loss rate: 39.07%
-- Flow 1:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 92.089 ms
Loss rate: 51.12%
-- Flow 2:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 86.884 ms
Loss rate: 19.15%
-- Flow 3:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 89.439 ms
Loss rate: 32.86%
```

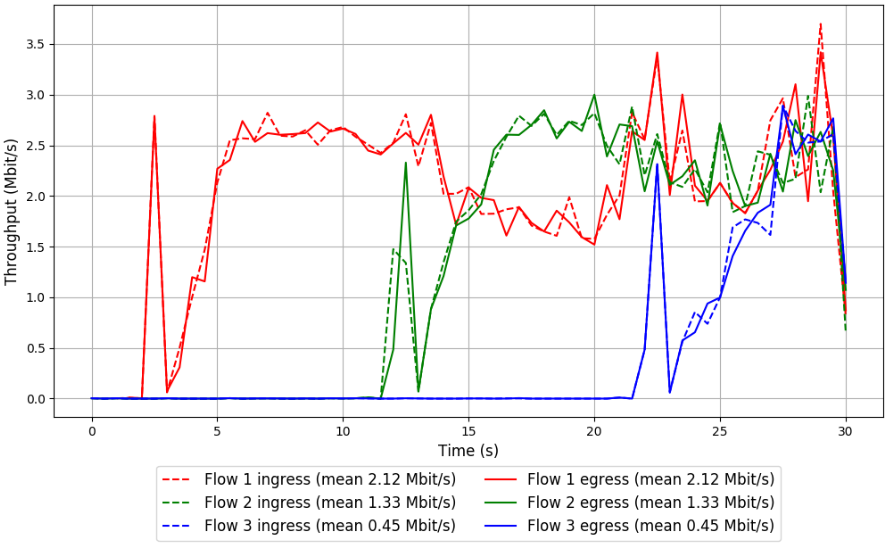
Run 10: Report of Verus — Data Link

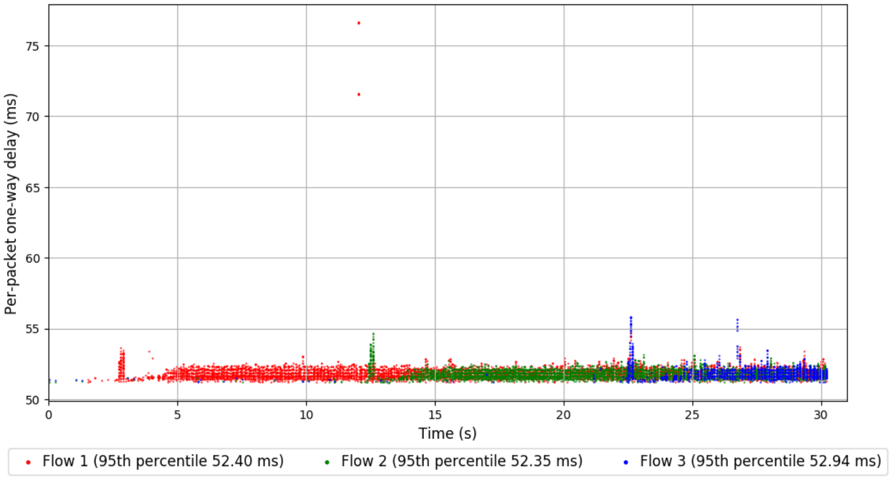




```
Run 1: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:07:59 +0000
End at: Sun, 09 Jul 2017 20:08:29 +0000
Local clock offset: 0.713 ms
Remote clock offset: -0.461 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 52.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 52.401 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 52.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 52.939 ms
Loss rate: 0.00%
```

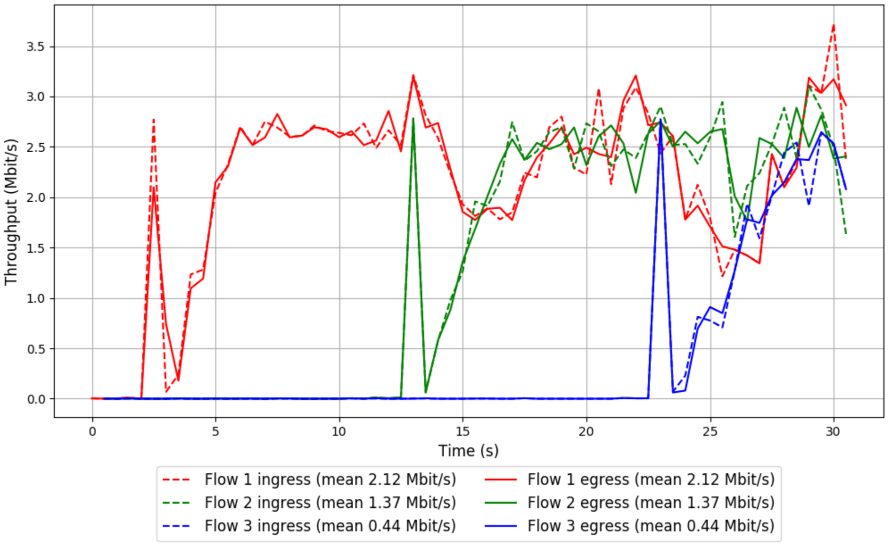
Run 1: Report of WebRTC media — Data Link

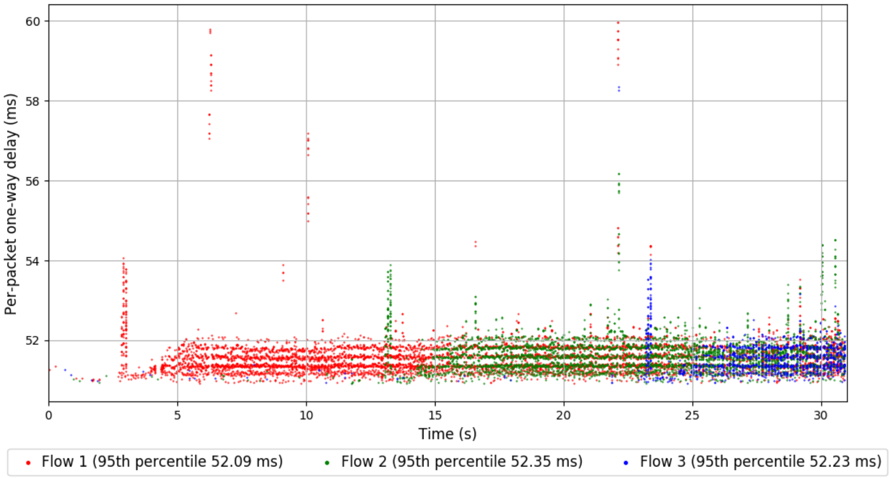




```
Run 2: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:28:25 +0000
End at: Sun, 09 Jul 2017 20:28:55 +0000
Local clock offset: 0.468 ms
Remote clock offset: -2.467 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 52.220 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 52.093 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 52.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 52.226 ms
Loss rate: 0.00%
```

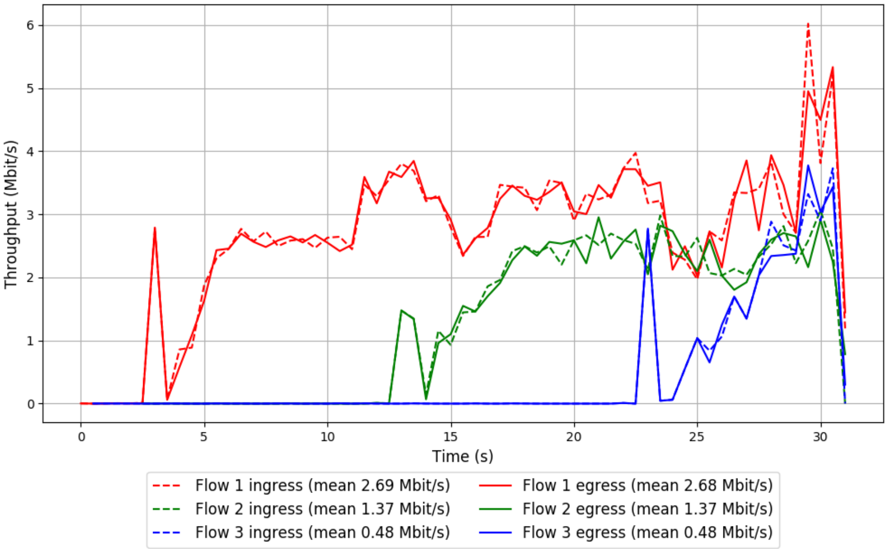
Run 2: Report of WebRTC media — Data Link

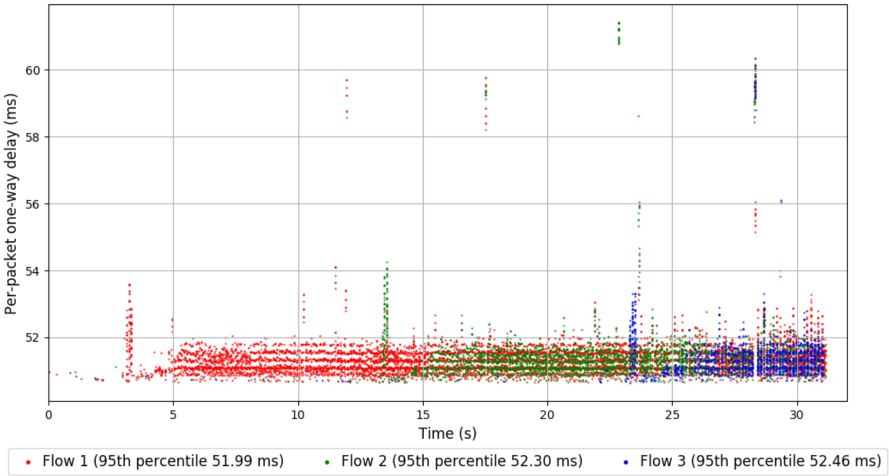




```
Run 3: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:48:59 +0000
End at: Sun, 09 Jul 2017 20:49:29 +0000
Local clock offset: 0.448 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 52.109 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 51.986 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 52.299 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 52.464 ms
Loss rate: 0.53%
```

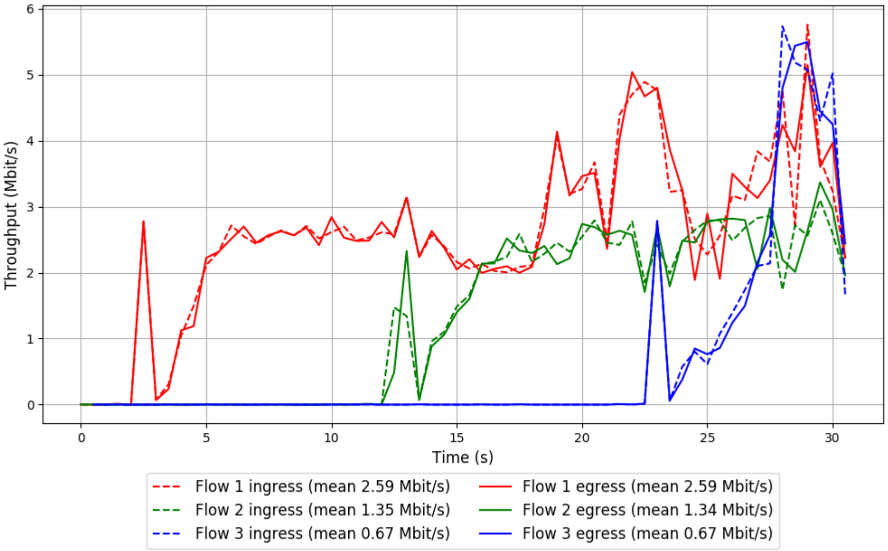
Run 3: Report of WebRTC media — Data Link

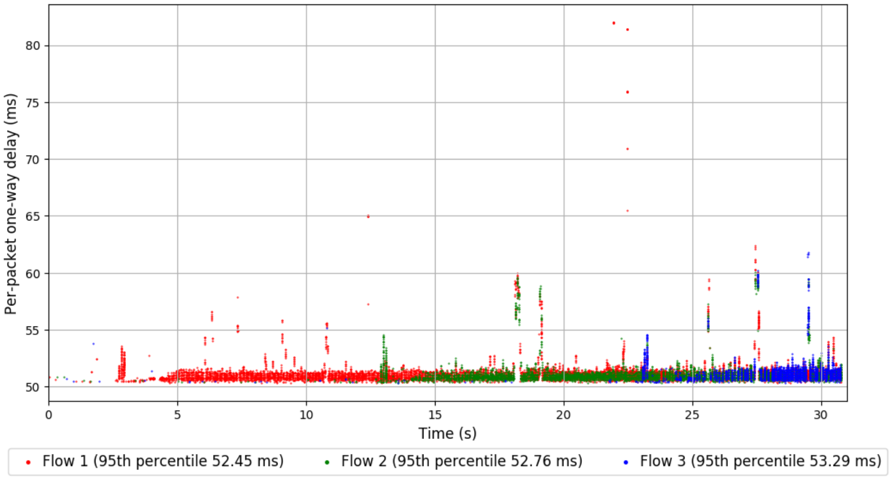




```
Run 4: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:09:43 +0000
End at: Sun, 09 Jul 2017 21:10:13 +0000
Local clock offset: 0.328 ms
Remote clock offset: 0.095 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 52.584 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 52.454 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 52.763 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 53.289 ms
Loss rate: 0.59%
```

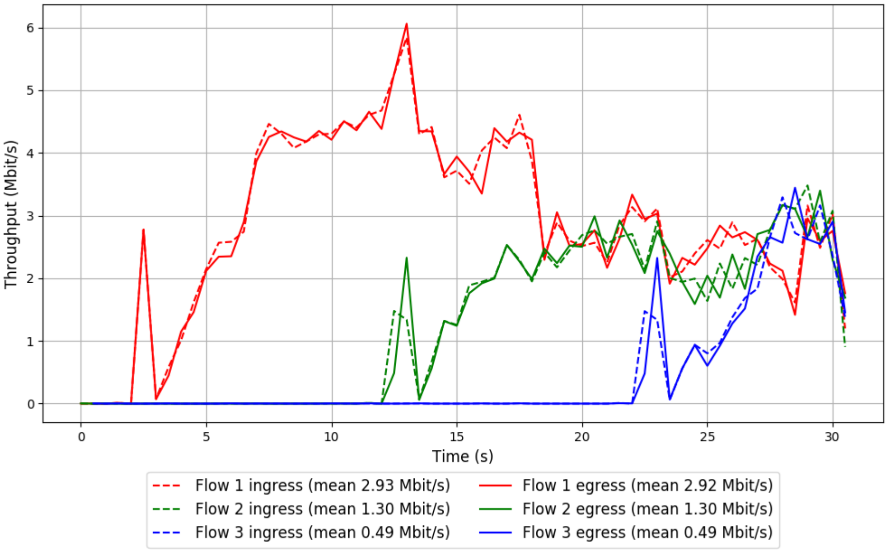
Run 4: Report of WebRTC media — Data Link

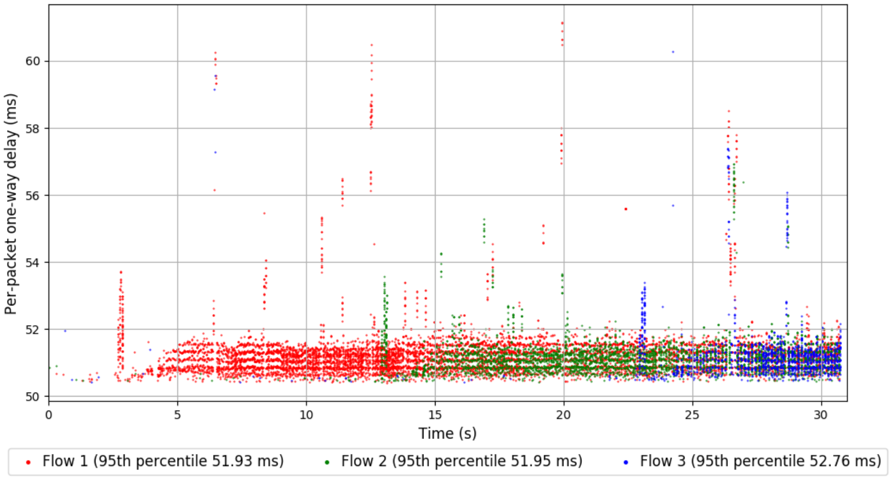




```
Run 5: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:30:42 +0000
End at: Sun, 09 Jul 2017 21:31:12 +0000
Local clock offset: 0.259 ms
Remote clock offset: 0.471 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 51.997 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 51.926 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 51.950 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 52.763 ms
Loss rate: 0.00%
```

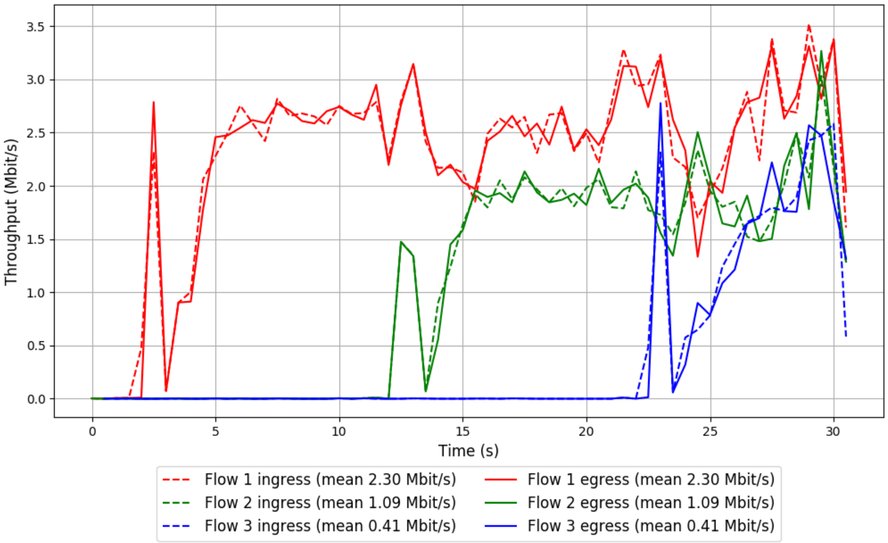
Run 5: Report of WebRTC media — Data Link

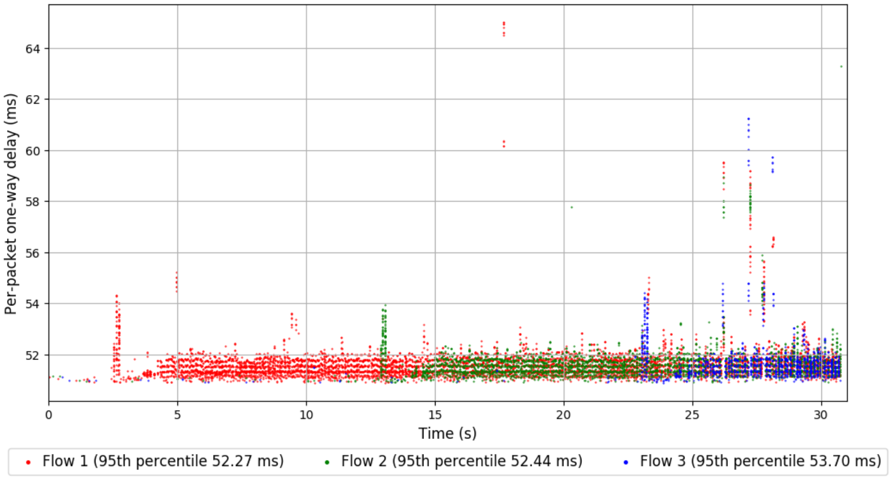




```
Run 6: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:51:33 +0000
End at: Sun, 09 Jul 2017 21:52:03 +0000
Local clock offset: 0.335 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 52.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 52.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 52.436 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 53.703 ms
Loss rate: 0.00%
```

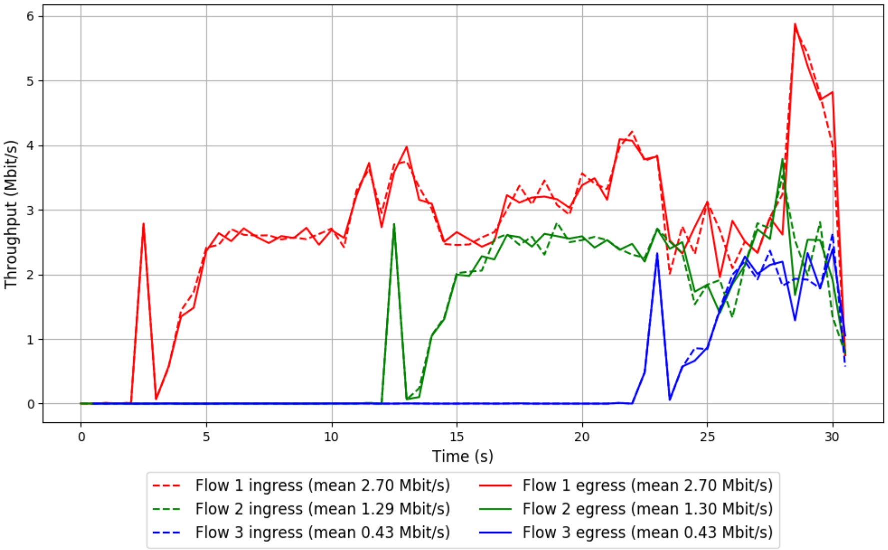
Run 6: Report of WebRTC media — Data Link

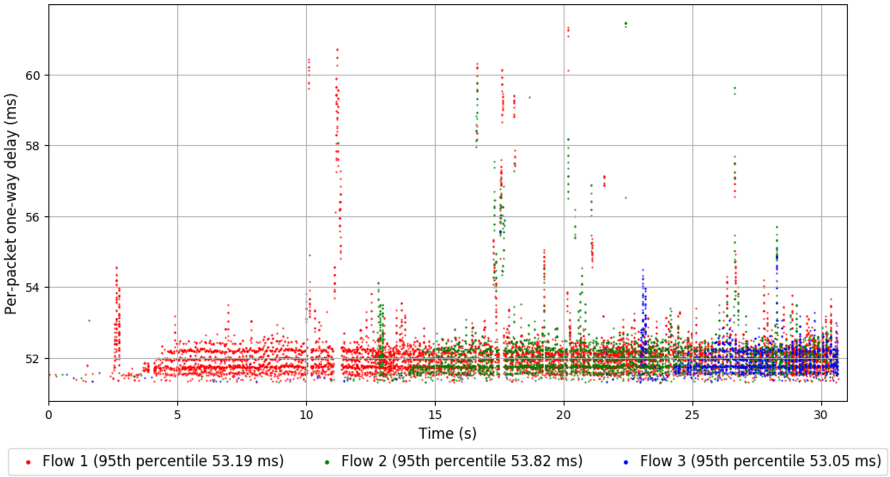




```
Run 7: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:12:15 +0000
End at: Sun, 09 Jul 2017 22:12:45 +0000
Local clock offset: 0.245 ms
Remote clock offset: -2.9 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 53.311 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 53.190 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 53.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.055 ms
Loss rate: 0.00%
```

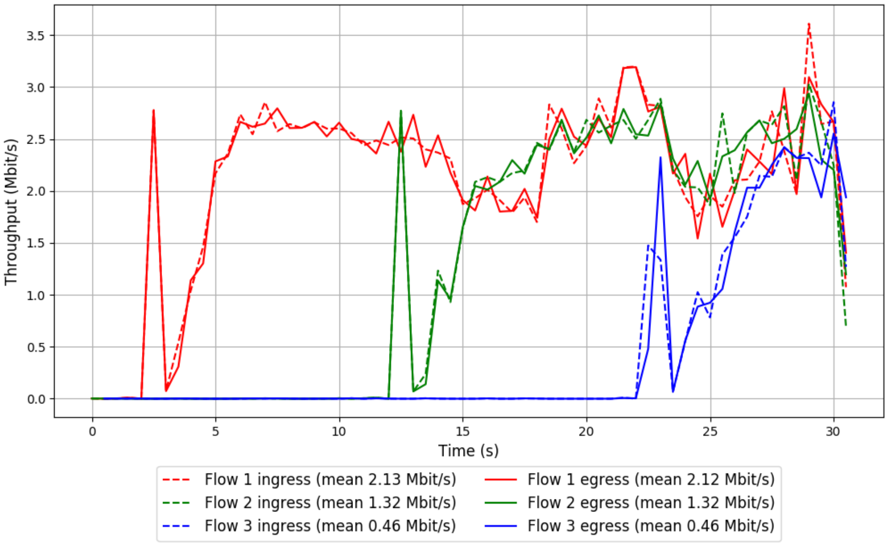
Run 7: Report of WebRTC media — Data Link

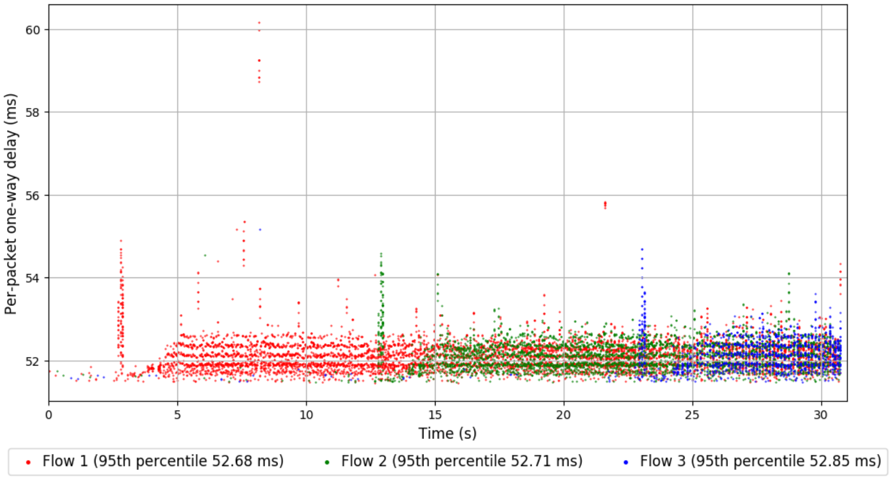




```
Run 8: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:33:17 +0000
End at: Sun, 09 Jul 2017 22:33:47 +0000
Local clock offset: 0.442 ms
Remote clock offset: -1.02 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 52.740 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 52.683 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 52.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 52.854 ms
Loss rate: 0.00%
```

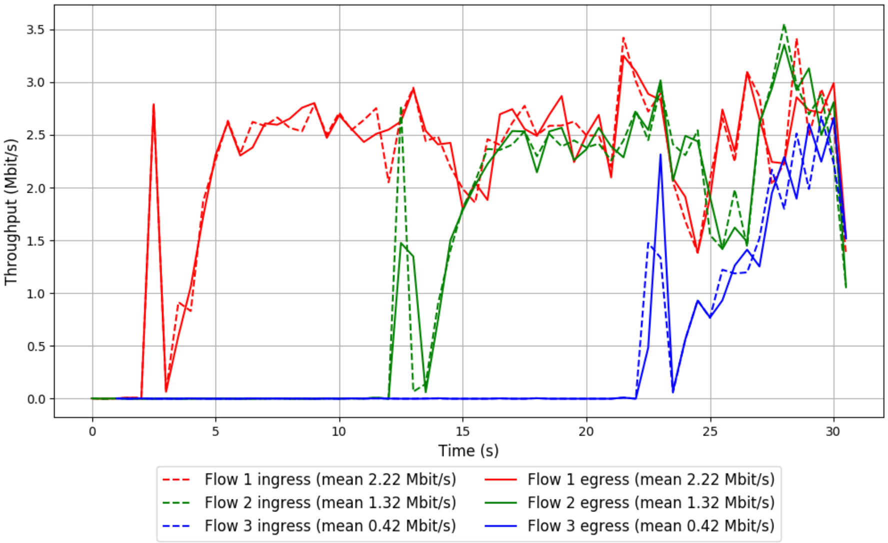
Run 8: Report of WebRTC media — Data Link

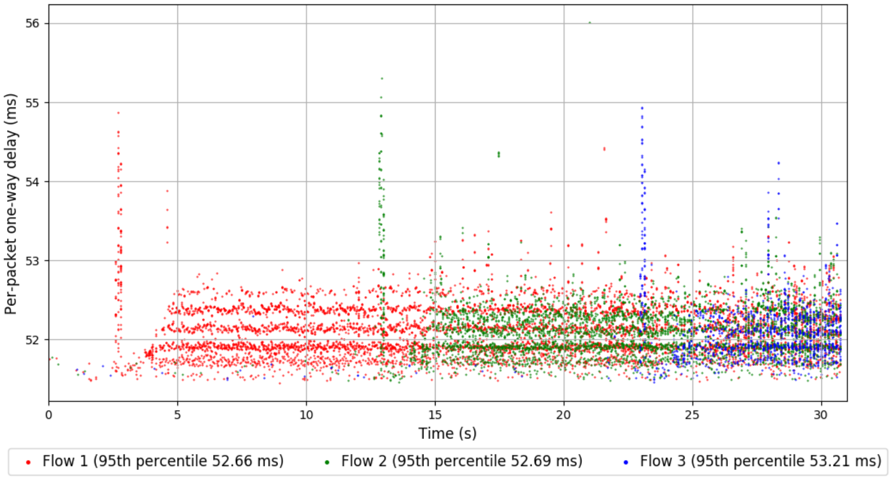




```
Run 9: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:53:47 +0000
End at: Sun, 09 Jul 2017 22:54:17 +0000
Local clock offset: 0.524 ms
Remote clock offset: -3.016 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 52.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 52.656 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 52.690 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 53.214 ms
Loss rate: 0.00%
```

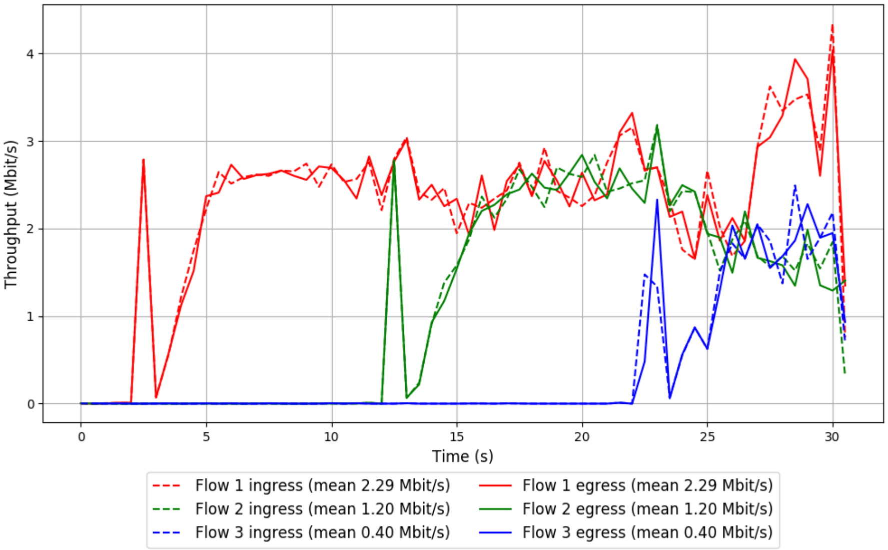
Run 9: Report of WebRTC media — Data Link



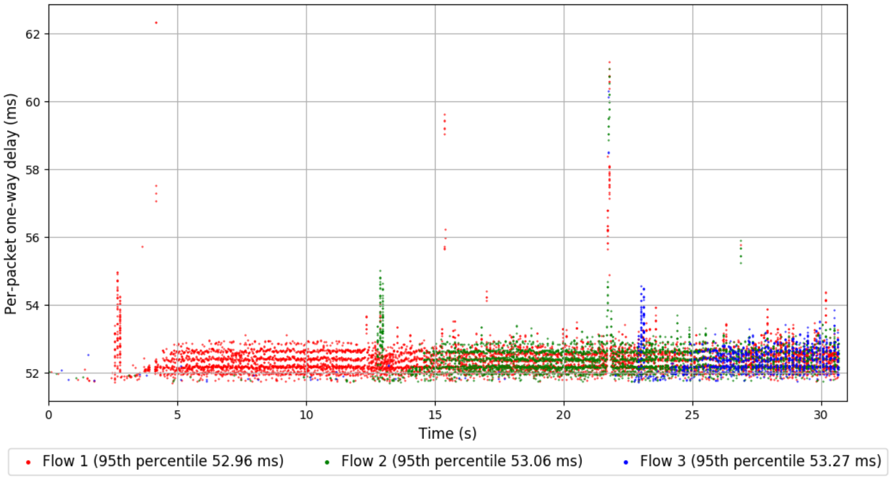


```
Run 10: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 23:14:18 +0000
End at: Sun, 09 Jul 2017 23:14:48 +0000
Local clock offset: 0.621 ms
Remote clock offset: -1.015 ms

# Below is generated by plot.py at Mon, 10 Jul 2017 03:30:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 53.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 52.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 53.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 53.269 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



Throughput (Mbit/s)
Time (s)
0
1
2
3
4
0
5
10
15
20
25
30
Flow 1 ingress (mean 2.29 Mbit/s)
Flow 2 ingress (mean 1.20 Mbit/s)
Flow 3 ingress (mean 0.40 Mbit/s)
Flow 1 egress (mean 2.29 Mbit/s)
Flow 2 egress (mean 1.20 Mbit/s)
Flow 3 egress (mean 0.40 Mbit/s)



Per-packet one-way delay (ms)
Time (s)
52
54
56
58
60
62
0
5
10
15
20
25
30
Flow 1 (95th percentile 52.96 ms)
Flow 2 (95th percentile 53.06 ms)
Flow 3 (95th percentile 53.27 ms)