Pantheon Summary (Generated at Sat, 29 Jul 2017 14:49:26 +0000 with pantheon version `33c7b8d34ce04c76596315aa973f0b30d6129d55`)

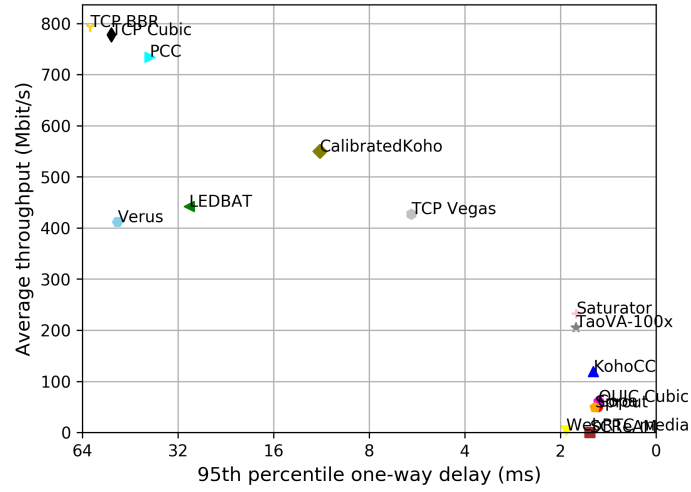Repeated the test of 15 congestion control schemes 10 times.

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

Data path: Stanford Ethernet (*remote*) →AWS California 1 Ethernet (*local*).
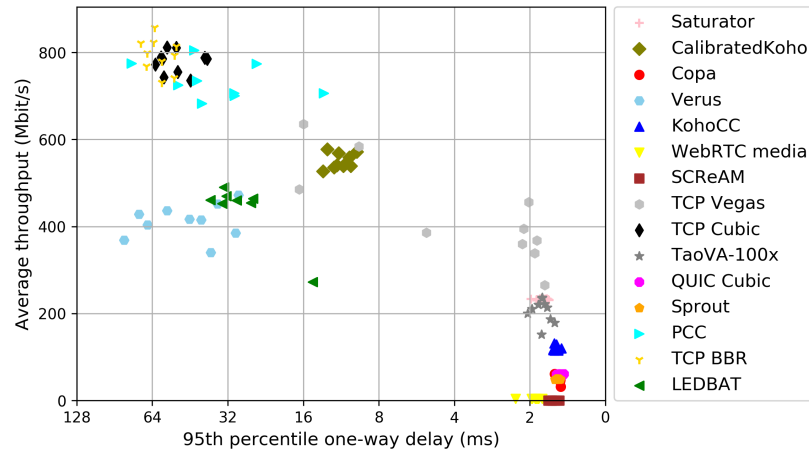
NTP offset measured against time.stanford.edu and has been applied to correct the timestamps in logs.

```
git branch: master @ 33c7b8d34ce04c76596315aa973f0b30d6129d55
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 @ baf443516dea3eeddeccaf9b916cc313273ca4f4
 M scripts/merge-tunnel-logs
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
```

1

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

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

scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	458.00	361.35	284.81	49.92	63.10	77.33	0.18	0.32	0.61
CalibratedKoho	10	319.69	254.73	183.02	10.34	12.25	14.59	0.06	0.10	0.28
Copa	10	25.48	25.08	26.07	1.22	1.22	1.75	0.06	0.09	0.16
TCP Cubic	10	432.39	382.36	274.19	41.81	53.86	72.93	0.10	0.18	0.45
KohoCC	10	58.42	58.66	57.57	1.30	1.31	1.33	0.07	0.10	0.21
LEDBAT	10	227.77	235.80	168.11	127.49	30.80	26.88	0.10	0.17	0.49
PCC	10	514.41	246.77	170.66	45.21	13.73	6.38	1.64	0.43	0.23
QUIC Cubic	10	0.30	63.99	53.39	1.20	1.20	1.20	0.00	0.09	0.23
Saturator	10	116.63	116.14	116.29	1.56	1.78	1.60	0.07	0.10	0.21
SCReAM	10	0.22	0.22	0.22	1.39	1.36	1.39	0.03	0.00	0.24
Sprout	10	24.68	24.64	24.44	1.27	1.29	1.31	0.09	0.10	0.17
TaoVA-100x	10	112.37	93.51	85.07	1.57	1.79	1.96	0.04	0.08	0.21
TCP Vegas	10	194.91	240.59	218.70	4.54	8.16	5.06	0.06	0.08	0.21
Verus	10	244.56	184.54	137.92	45.52	41.23	36.68	0.81	1.14	0.19
WebRTC media	10	2.34	1.42	0.47	1.80	1.99	1.91	0.15	0.09	0.52

```
Run 1: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 08:00:57 +0000
End at: Sat, 29 Jul 2017 08:01:27 +0000
Local clock offset: 0.643 ms
Remote clock offset: -1.12 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 13:56:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 780.07 Mbit/s
95th percentile per-packet one-way delay: 58.626 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 462.64 Mbit/s
95th percentile per-packet one-way delay: 54.253 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 324.77 Mbit/s
95th percentile per-packet one-way delay: 58.776 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 306.05 Mbit/s
95th percentile per-packet one-way delay: 68.138 ms
Loss rate: 0.52%
```
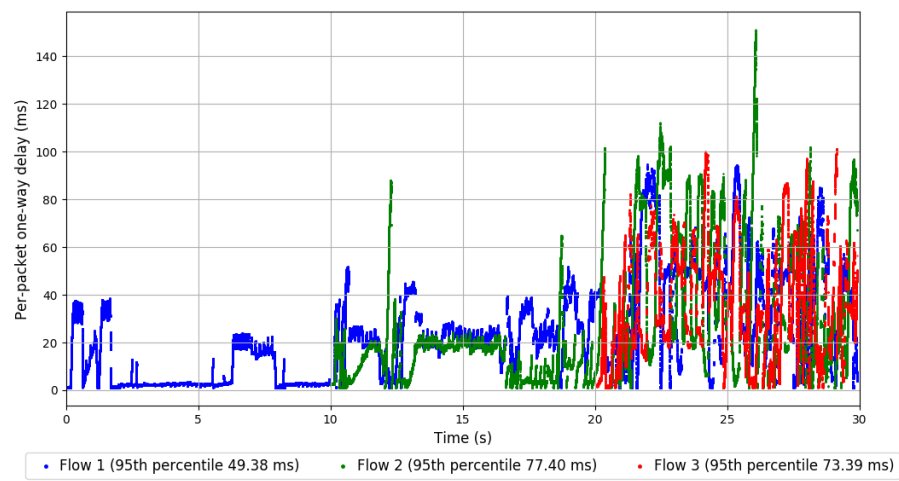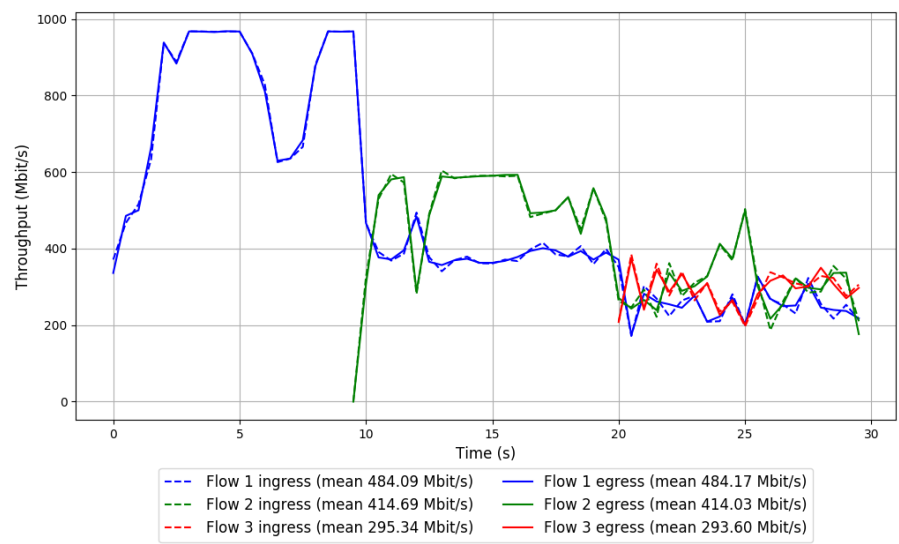
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 463.23 Mbit/s) --- Flow 1 egress (mean 462.64 Mbit/s)
Flow 2 ingress (mean 325.53 Mbit/s) --- Flow 2 egress (mean 324.77 Mbit/s)
Flow 3 ingress (mean 306.92 Mbit/s) --- Flow 3 egress (mean 306.05 Mbit/s)

Flow 1 (95th percentile 54.25 ms) • Flow 2 (95th percentile 58.78 ms) • Flow 3 (95th percentile 68.14 ms)

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```
Run 2: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 08:22:44 +0000
End at: Sat, 29 Jul 2017 08:23:14 +0000
Local clock offset: 0.525 ms
Remote clock offset: -0.944 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 13:56:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 857.21 Mbit/s
95th percentile per-packet one-way delay: 62.754 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 484.17 Mbit/s
95th percentile per-packet one-way delay: 49.383 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 414.03 Mbit/s
95th percentile per-packet one-way delay: 77.400 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 293.60 Mbit/s
95th percentile per-packet one-way delay: 73.393 ms
Loss rate: 0.74%
```
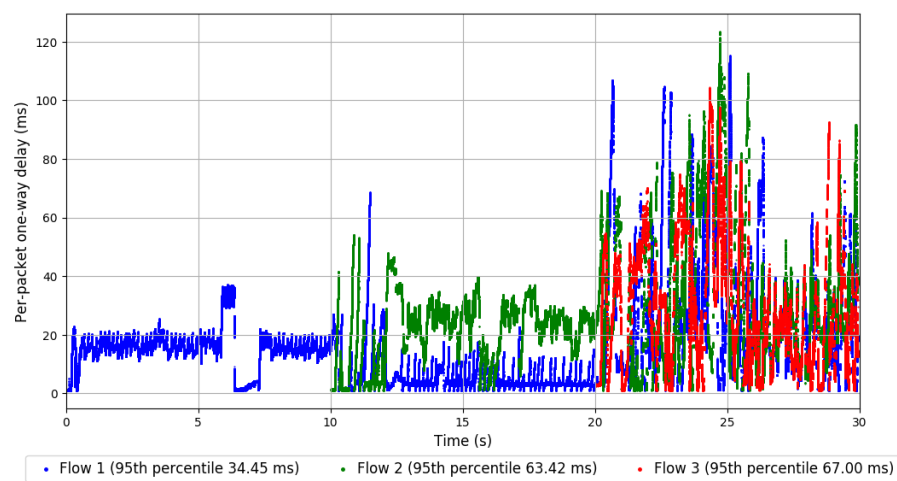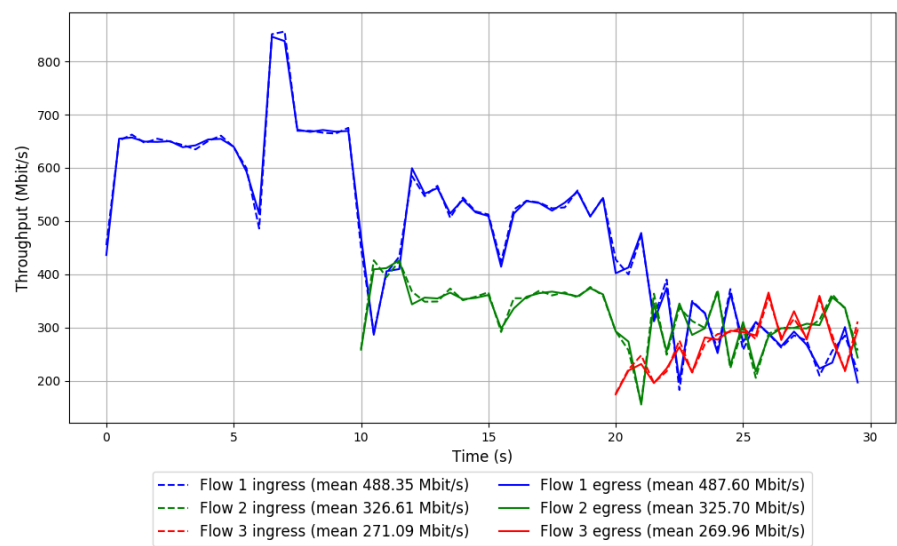
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 484.09 Mbit/s)   Flow 1 egress (mean 484.17 Mbit/s)
Flow 2 ingress (mean 414.69 Mbit/s)   Flow 2 egress (mean 414.03 Mbit/s)
Flow 3 ingress (mean 295.34 Mbit/s)   Flow 3 egress (mean 293.60 Mbit/s)

Flow 1 (95th percentile 49.38 ms)   Flow 2 (95th percentile 77.40 ms)   Flow 3 (95th percentile 73.39 ms)

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```
Run 3: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 08:45:08 +0000
End at: Sat, 29 Jul 2017 08:45:38 +0000
Local clock offset: 0.493 ms
Remote clock offset: -0.654 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 13:57:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 793.75 Mbit/s
95th percentile per-packet one-way delay: 52.220 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 487.60 Mbit/s
95th percentile per-packet one-way delay: 34.452 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 325.70 Mbit/s
95th percentile per-packet one-way delay: 63.419 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 269.96 Mbit/s
95th percentile per-packet one-way delay: 67.002 ms
Loss rate: 0.48%
```
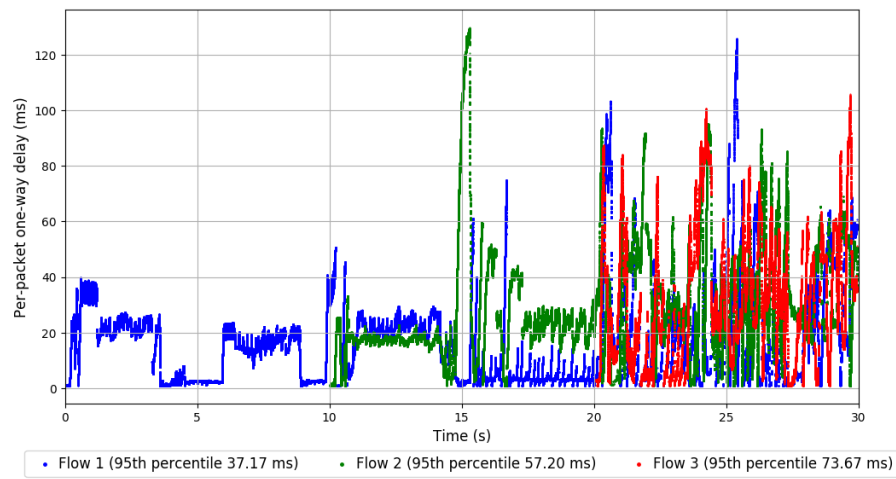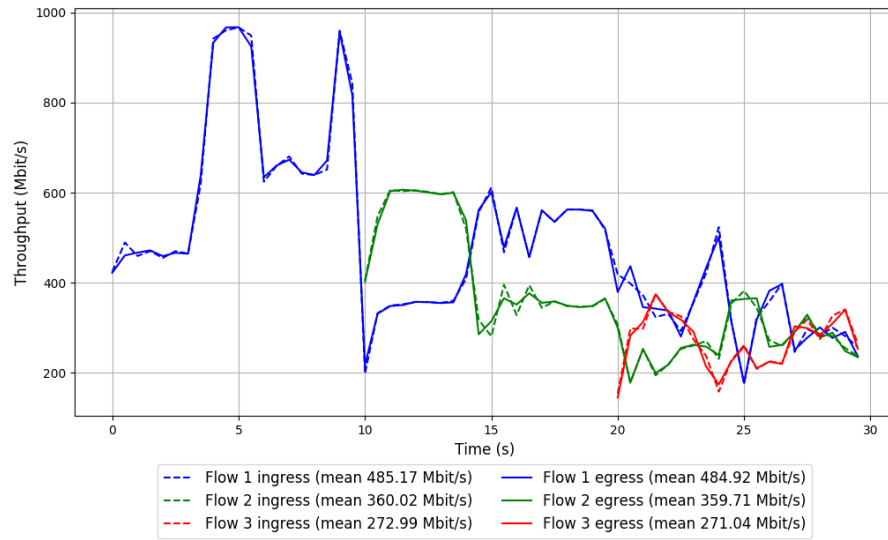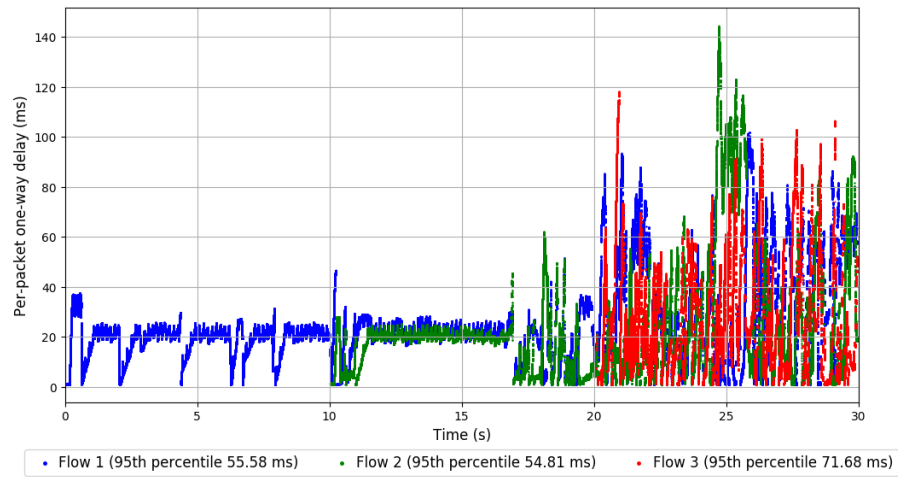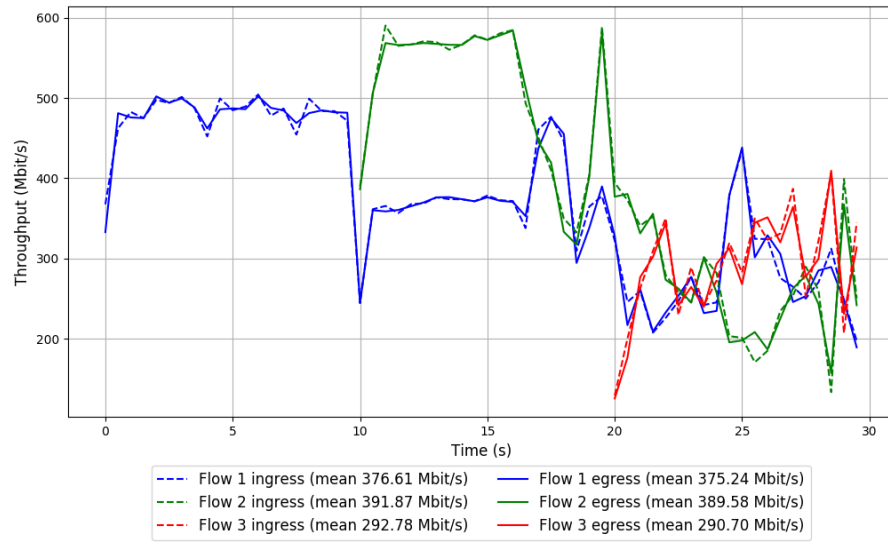
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 488.35 Mbit/s) --- Flow 1 egress (mean 487.60 Mbit/s)
Flow 2 ingress (mean 326.61 Mbit/s) --- Flow 2 egress (mean 325.70 Mbit/s)
Flow 3 ingress (mean 271.09 Mbit/s) --- Flow 3 egress (mean 269.96 Mbit/s)

Flow 1 (95th percentile 34.45 ms)   Flow 2 (95th percentile 63.42 ms)   Flow 3 (95th percentile 67.00 ms)

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```
Run 4: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 09:07:20 +0000
End at: Sat, 29 Jul 2017 09:07:50 +0000
Local clock offset: 0.339 ms
Remote clock offset: -0.554 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 13:58:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 813.81 Mbit/s
95th percentile per-packet one-way delay: 51.427 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 484.92 Mbit/s
95th percentile per-packet one-way delay: 37.170 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 359.71 Mbit/s
95th percentile per-packet one-way delay: 57.197 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 271.04 Mbit/s
95th percentile per-packet one-way delay: 73.675 ms
Loss rate: 0.79%
```
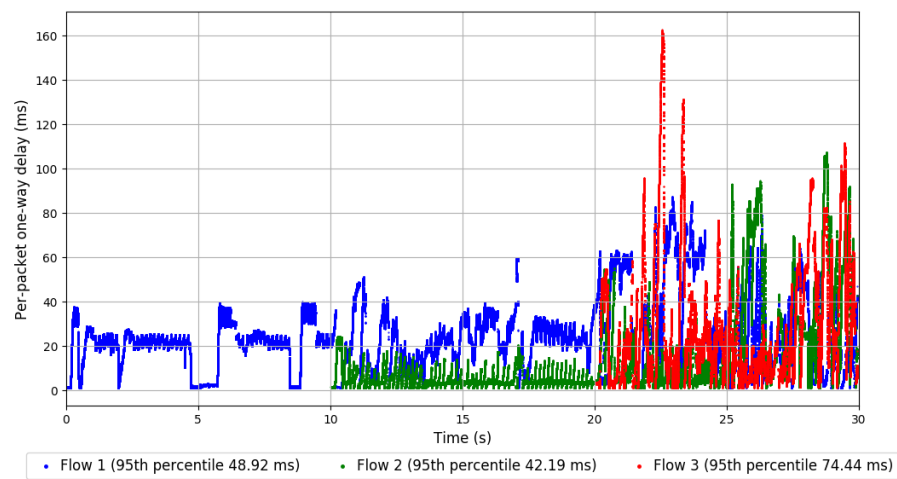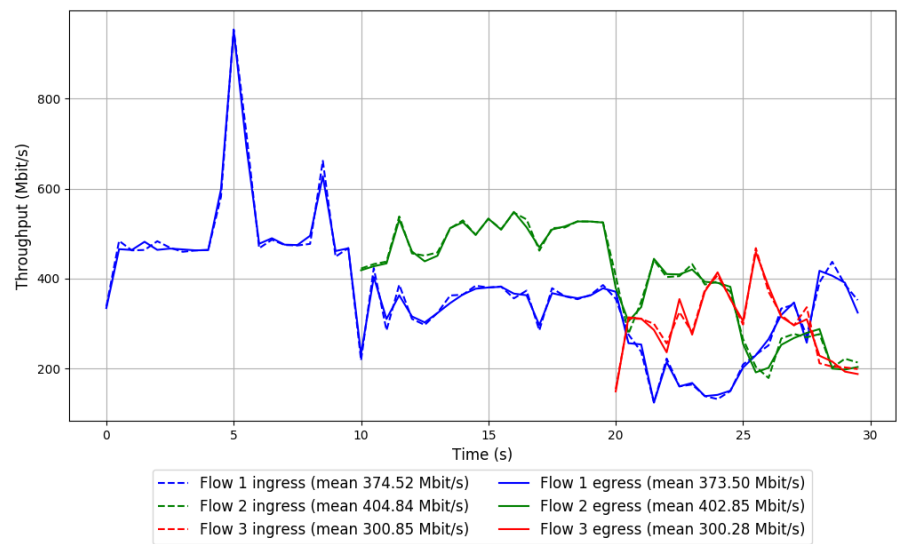
Run 4: Report of TCP BBR — Data Link

- - - Flow 1 ingress (mean 485.17 Mbit/s) —— Flow 1 egress (mean 484.92 Mbit/s)
- - - Flow 2 ingress (mean 360.02 Mbit/s) —— Flow 2 egress (mean 359.71 Mbit/s)
- - - Flow 3 ingress (mean 272.99 Mbit/s) —— Flow 3 egress (mean 271.04 Mbit/s)

• Flow 1 (95th percentile 37.17 ms)   • Flow 2 (95th percentile 57.20 ms)   • Flow 3 (95th percentile 73.67 ms)

```
Run 5: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 09:29:43 +0000
End at: Sat, 29 Jul 2017 09:30:13 +0000
Local clock offset: 0.306 ms
Remote clock offset: -0.525 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 13:59:29 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 730.65 Mbit/s
95th percentile per-packet one-way delay: 58.780 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 375.24 Mbit/s
95th percentile per-packet one-way delay: 55.581 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 389.58 Mbit/s
95th percentile per-packet one-way delay: 54.808 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 290.70 Mbit/s
95th percentile per-packet one-way delay: 71.684 ms
Loss rate: 0.96%
```
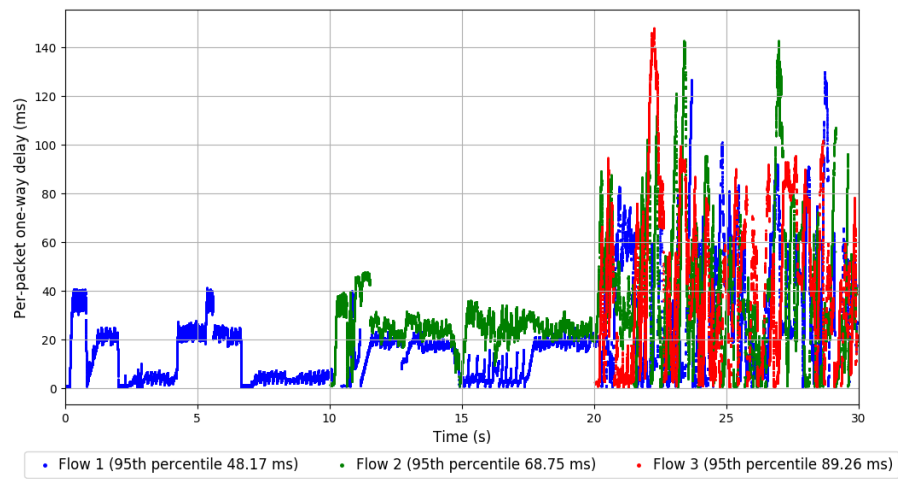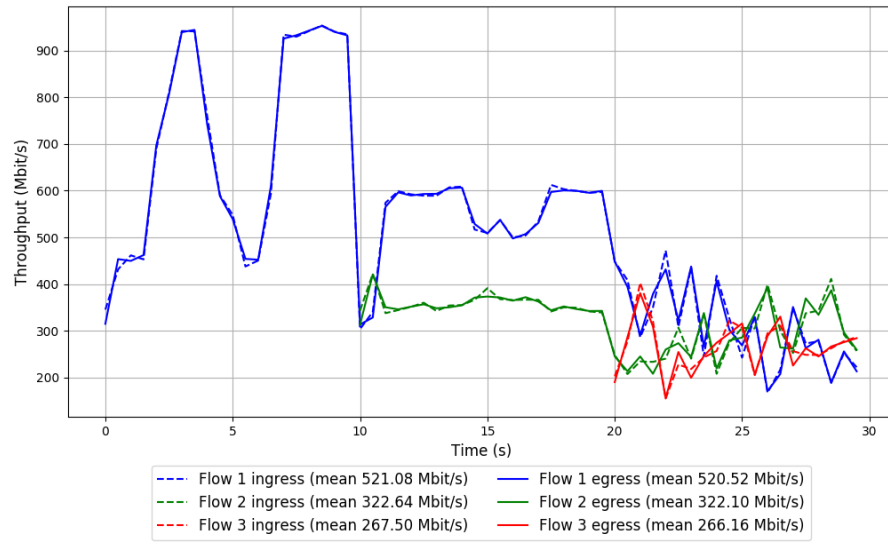
Run 5: Report of TCP BBR — Data Link

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```
Run 6: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 09:51:36 +0000
End at: Sat, 29 Jul 2017 09:52:06 +0000
Local clock offset: 0.405 ms
Remote clock offset: -0.456 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 13:59:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 741.11 Mbit/s
95th percentile per-packet one-way delay: 52.317 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 373.50 Mbit/s
95th percentile per-packet one-way delay: 48.925 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 402.85 Mbit/s
95th percentile per-packet one-way delay: 42.187 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 300.28 Mbit/s
95th percentile per-packet one-way delay: 74.439 ms
Loss rate: 0.37%
```
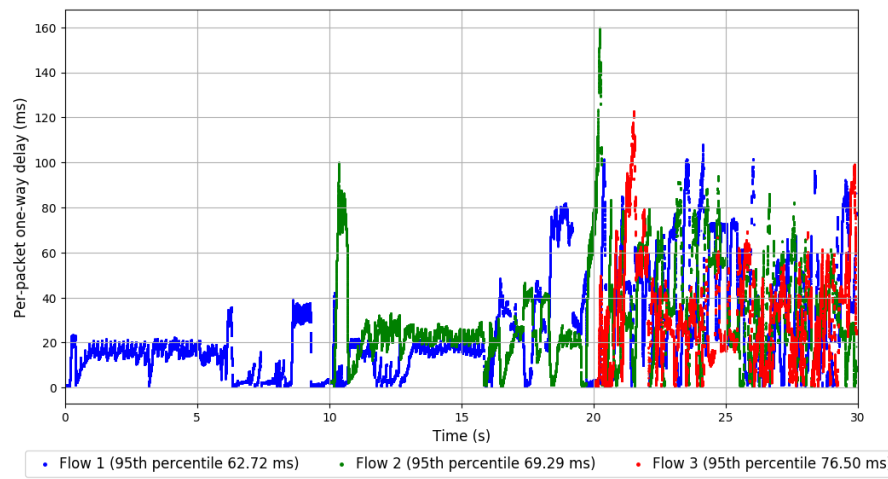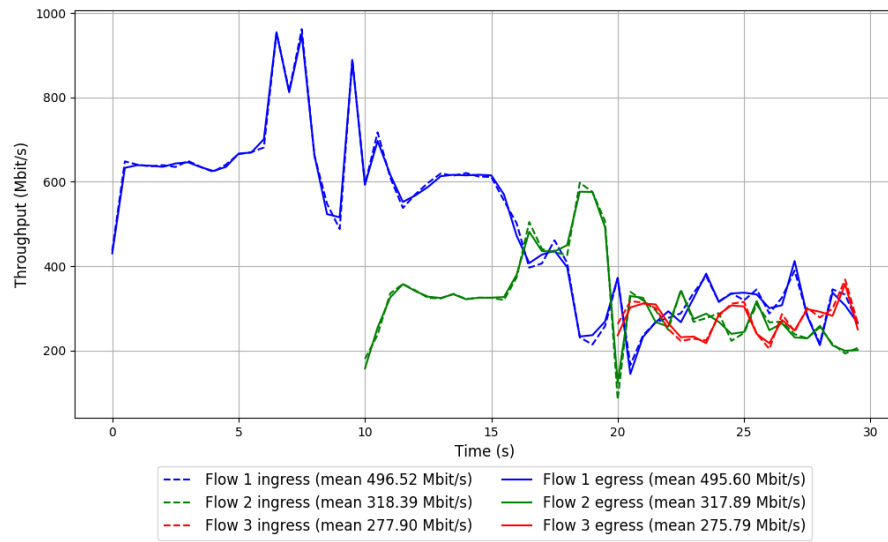
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 10:13:46 +0000
End at: Sat, 29 Jul 2017 10:14:16 +0000
Local clock offset: 0.275 ms
Remote clock offset: -0.267 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:01:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 823.06 Mbit/s
95th percentile per-packet one-way delay: 63.270 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 520.52 Mbit/s
95th percentile per-packet one-way delay: 48.171 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 322.10 Mbit/s
95th percentile per-packet one-way delay: 68.754 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 266.16 Mbit/s
95th percentile per-packet one-way delay: 89.262 ms
Loss rate: 0.59%
```
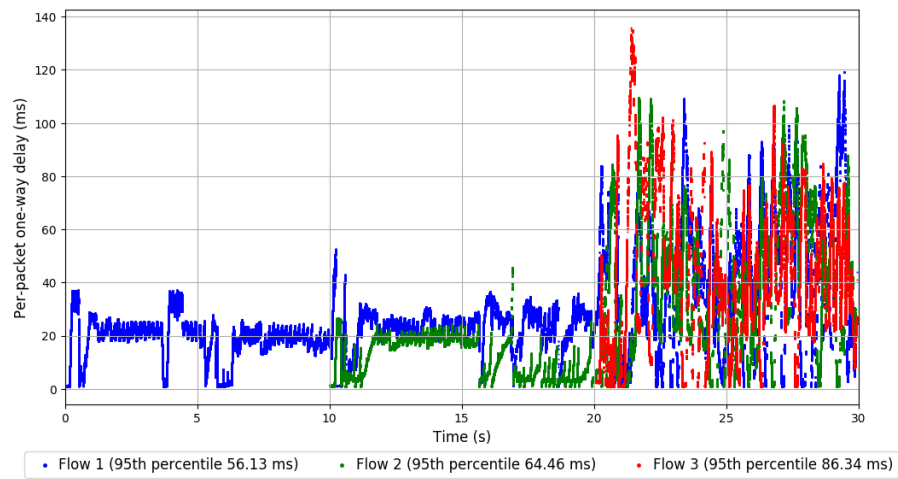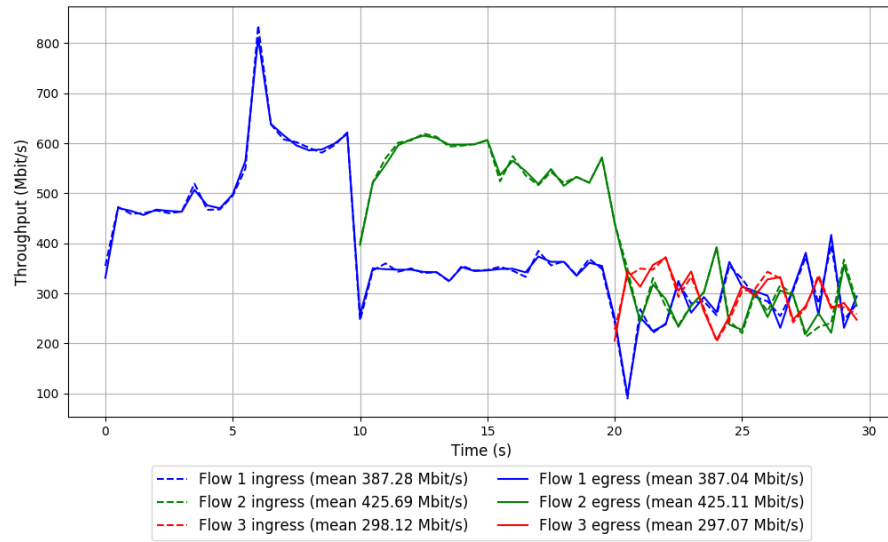
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 521.08 Mbit/s) --- Flow 1 egress (mean 520.52 Mbit/s)
Flow 2 ingress (mean 322.64 Mbit/s) --- Flow 2 egress (mean 322.10 Mbit/s)
Flow 3 ingress (mean 267.50 Mbit/s) --- Flow 3 egress (mean 266.16 Mbit/s)

Flow 1 (95th percentile 48.17 ms) • Flow 2 (95th percentile 68.75 ms) • Flow 3 (95th percentile 89.26 ms)

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```
Run 8: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 10:35:53 +0000
End at: Sat, 29 Jul 2017 10:36:23 +0000
Local clock offset: 0.35 ms
Remote clock offset: -0.429 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:01:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 798.51 Mbit/s
95th percentile per-packet one-way delay: 67.102 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 495.60 Mbit/s
95th percentile per-packet one-way delay: 62.720 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 317.89 Mbit/s
95th percentile per-packet one-way delay: 69.288 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 275.79 Mbit/s
95th percentile per-packet one-way delay: 76.495 ms
Loss rate: 0.99%
```
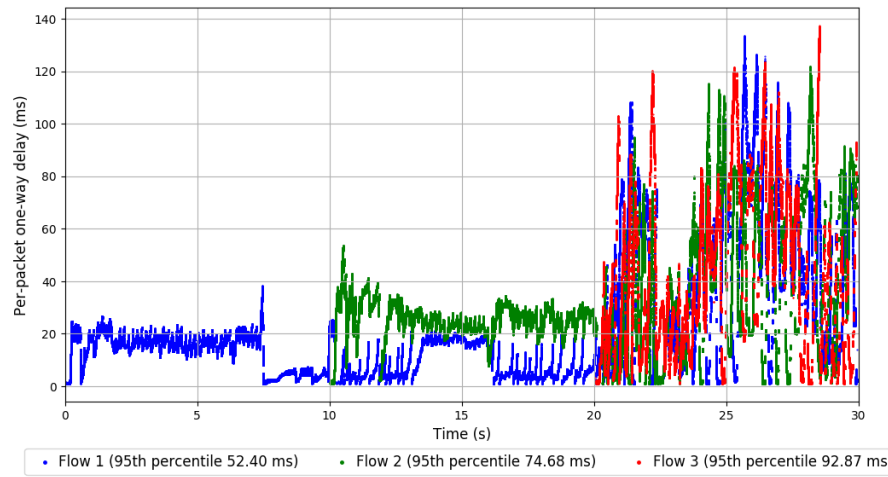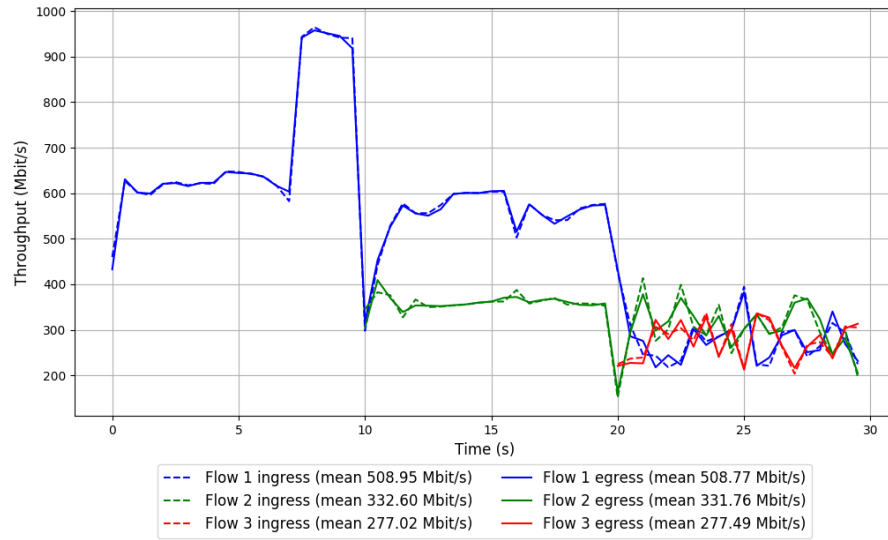
Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 10:57:56 +0000
End at: Sat, 29 Jul 2017 10:58:26 +0000
Local clock offset: 0.319 ms
Remote clock offset: -0.67 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:02:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 768.28 Mbit/s
95th percentile per-packet one-way delay: 67.600 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 387.04 Mbit/s
95th percentile per-packet one-way delay: 56.133 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 425.11 Mbit/s
95th percentile per-packet one-way delay: 64.462 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 297.07 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 0.53%
```
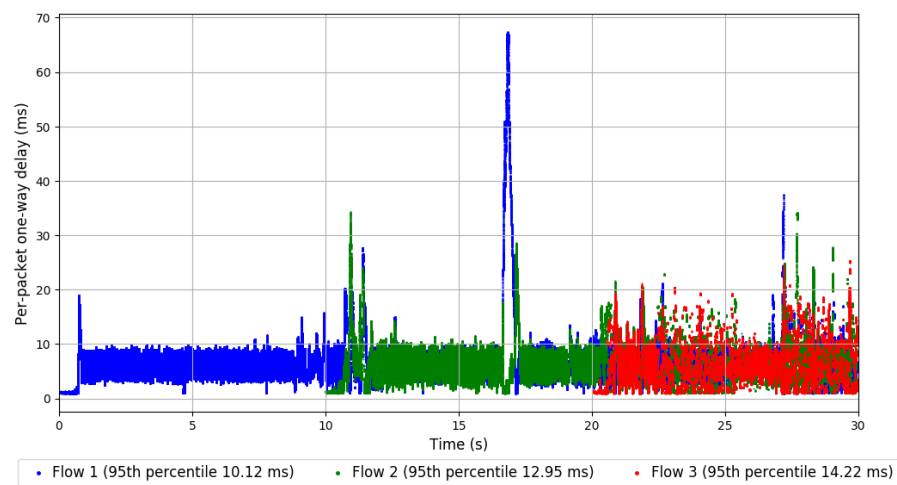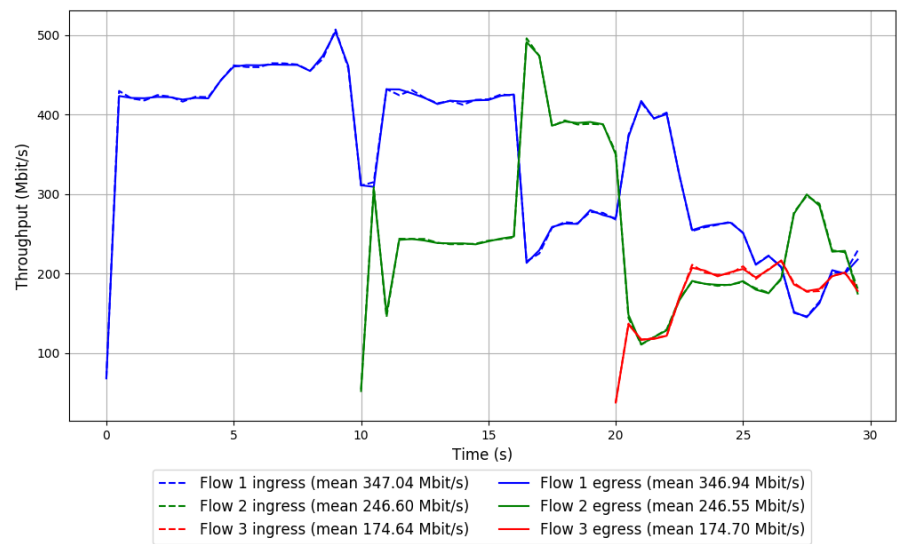
Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 11:20:02 +0000
End at: Sat, 29 Jul 2017 11:20:32 +0000
Local clock offset: 0.322 ms
Remote clock offset: -0.543 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:03:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 821.33 Mbit/s
95th percentile per-packet one-way delay: 71.040 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 508.77 Mbit/s
95th percentile per-packet one-way delay: 52.397 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 331.76 Mbit/s
95th percentile per-packet one-way delay: 74.684 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 277.49 Mbit/s
95th percentile per-packet one-way delay: 92.867 ms
Loss rate: 0.11%
```
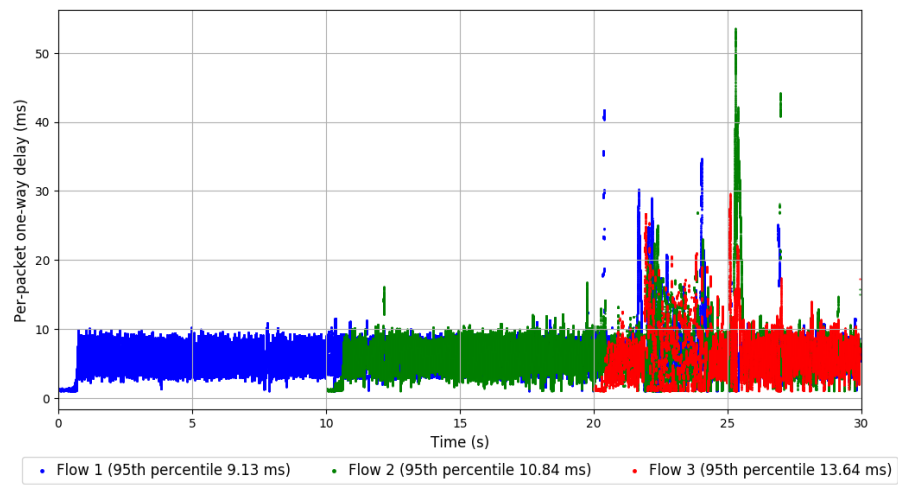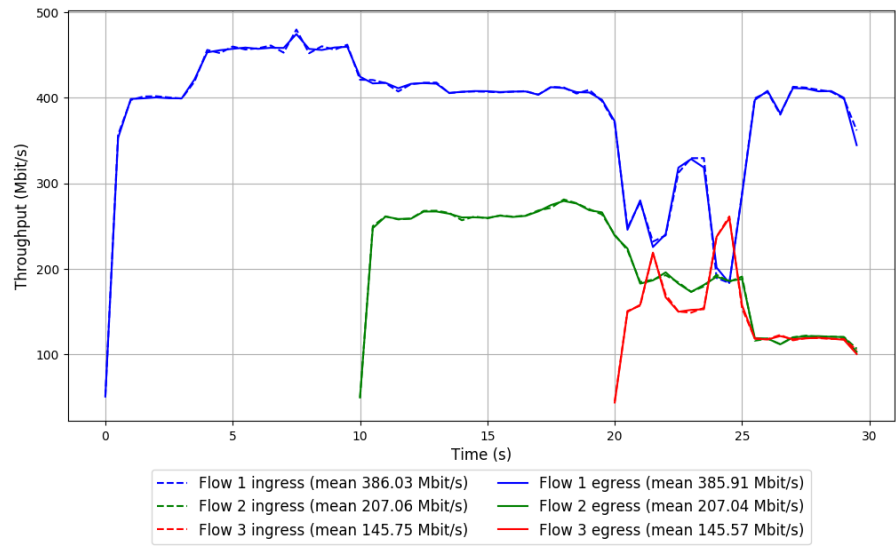
Run 10: Report of TCP BBR — Data Link

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```
Run 1: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 07:53:51 +0000
End at: Sat, 29 Jul 2017 07:54:21 +0000
Local clock offset: 0.765 ms
Remote clock offset: -0.948 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:04:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 568.76 Mbit/s
95th percentile per-packet one-way delay: 11.561 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 346.94 Mbit/s
95th percentile per-packet one-way delay: 10.117 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 12.948 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 174.70 Mbit/s
95th percentile per-packet one-way delay: 14.219 ms
Loss rate: 0.17%
```
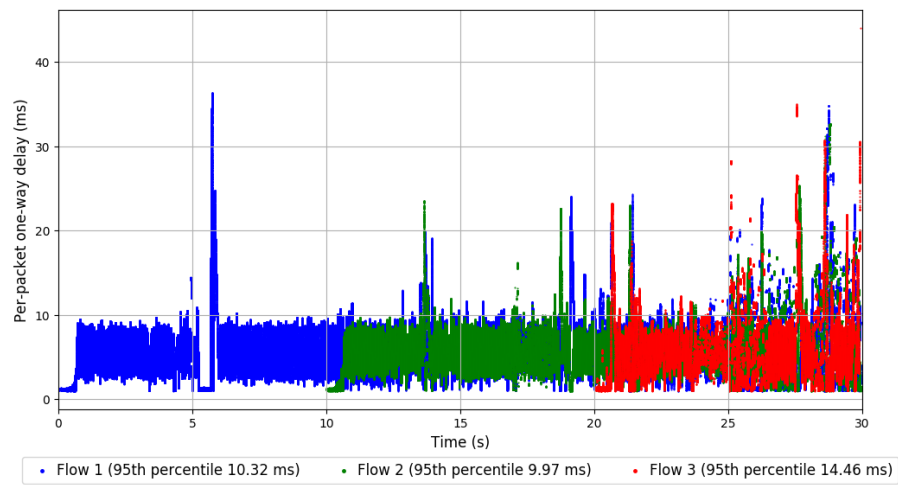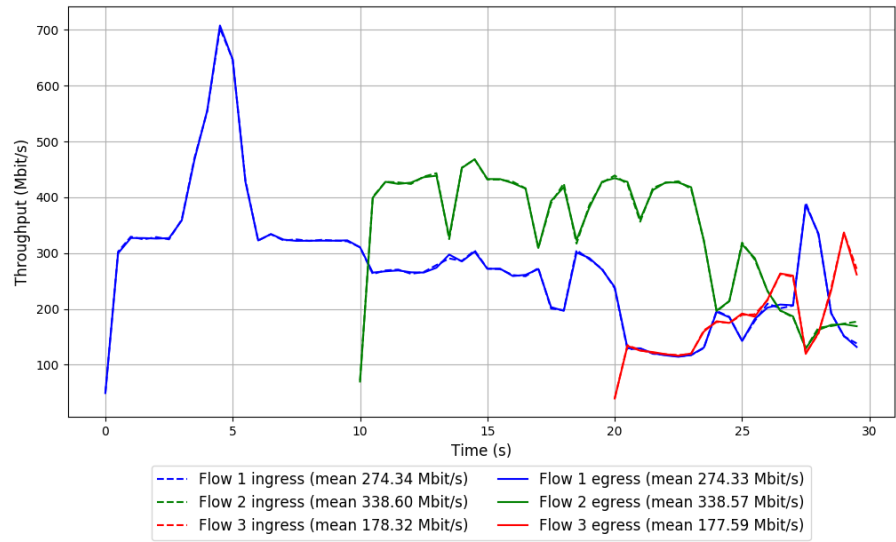
Run 1: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 347.04 Mbit/s)   Flow 1 egress (mean 346.94 Mbit/s)
Flow 2 ingress (mean 246.60 Mbit/s)   Flow 2 egress (mean 246.55 Mbit/s)
Flow 3 ingress (mean 174.64 Mbit/s)   Flow 3 egress (mean 174.70 Mbit/s)

Flow 1 (95th percentile 10.12 ms)   Flow 2 (95th percentile 12.95 ms)   Flow 3 (95th percentile 14.22 ms)

```
Run 2: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 08:15:22 +0000
End at: Sat, 29 Jul 2017 08:15:52 +0000
Local clock offset: 0.487 ms
Remote clock offset: -1.113 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:04:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 571.79 Mbit/s
95th percentile per-packet one-way delay: 9.807 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 385.91 Mbit/s
95th percentile per-packet one-way delay: 9.131 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 207.04 Mbit/s
95th percentile per-packet one-way delay: 10.838 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 145.57 Mbit/s
95th percentile per-packet one-way delay: 13.640 ms
Loss rate: 0.22%
```
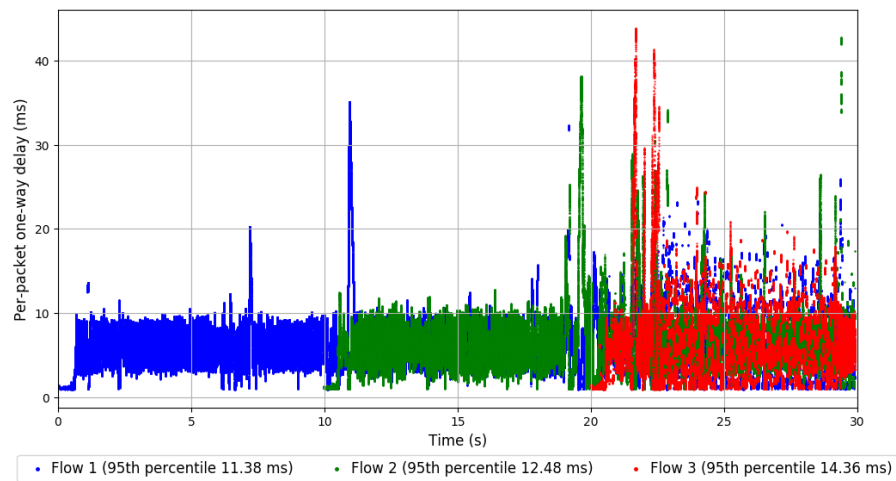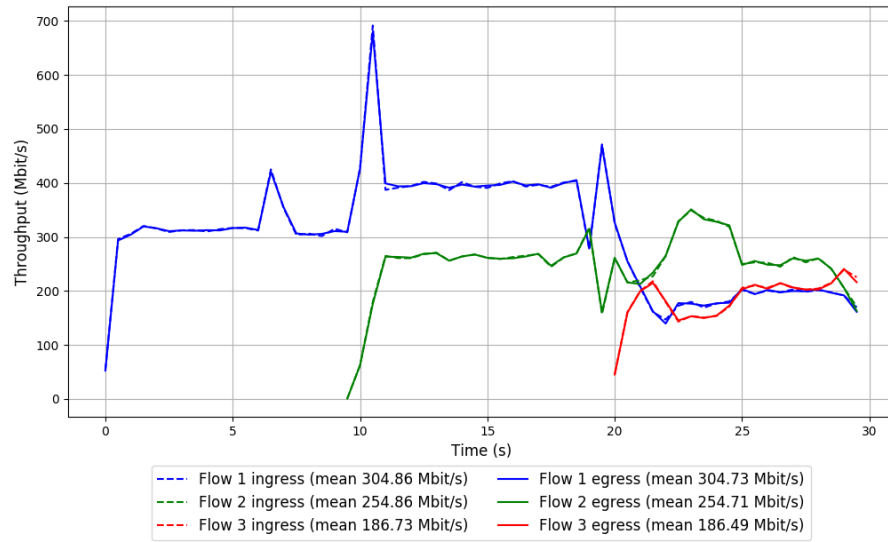
Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 08:37:47 +0000
End at: Sat, 29 Jul 2017 08:38:17 +0000
Local clock offset: 0.383 ms
Remote clock offset: -0.862 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:05:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.40 Mbit/s
95th percentile per-packet one-way delay: 10.491 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 274.33 Mbit/s
95th percentile per-packet one-way delay: 10.322 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 338.57 Mbit/s
95th percentile per-packet one-way delay: 9.970 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 177.59 Mbit/s
95th percentile per-packet one-way delay: 14.456 ms
Loss rate: 0.40%
```
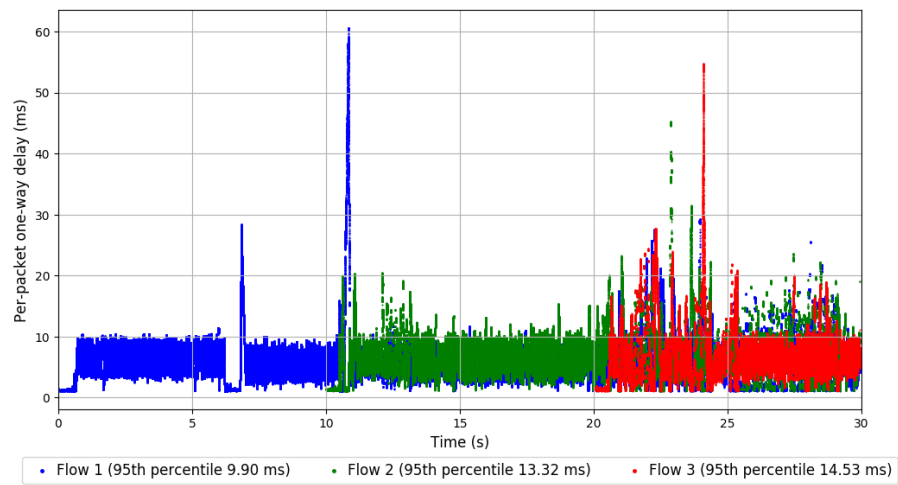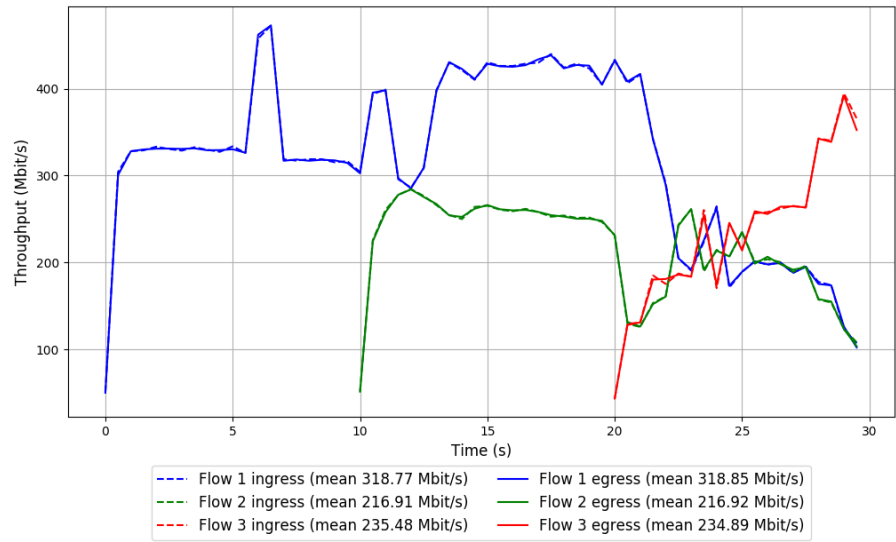
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 09:00:05 +0000
End at: Sat, 29 Jul 2017 09:00:35 +0000
Local clock offset: 0.366 ms
Remote clock offset: -0.401 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:05:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 536.20 Mbit/s
95th percentile per-packet one-way delay: 12.082 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 304.73 Mbit/s
95th percentile per-packet one-way delay: 11.383 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 254.71 Mbit/s
95th percentile per-packet one-way delay: 12.480 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 186.49 Mbit/s
95th percentile per-packet one-way delay: 14.362 ms
Loss rate: 0.34%
```
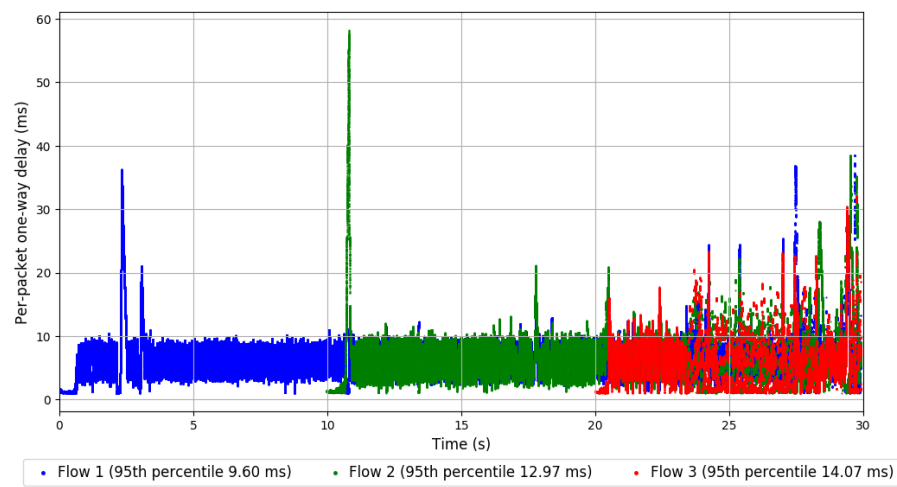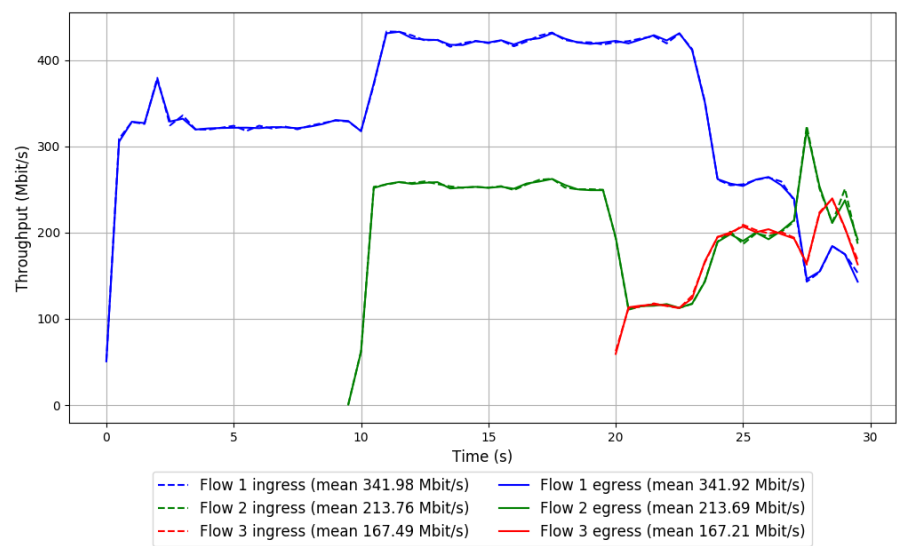
Run 4: Report of CalibratedKoho — Data Link

```
Run 5: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 09:22:14 +0000
End at: Sat, 29 Jul 2017 09:22:44 +0000
Local clock offset: 0.416 ms
Remote clock offset: -0.694 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:06:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 540.96 Mbit/s
95th percentile per-packet one-way delay: 11.743 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 318.85 Mbit/s
95th percentile per-packet one-way delay: 9.902 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 216.92 Mbit/s
95th percentile per-packet one-way delay: 13.317 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 234.89 Mbit/s
95th percentile per-packet one-way delay: 14.525 ms
Loss rate: 0.43%
```
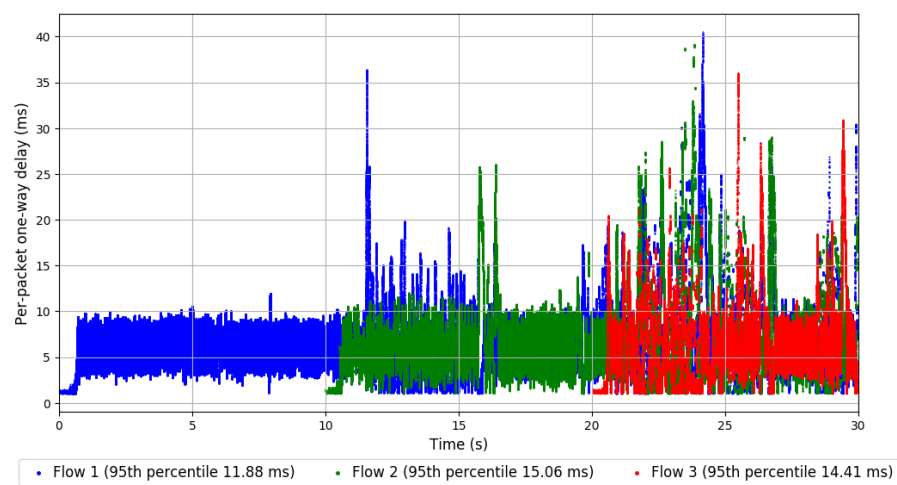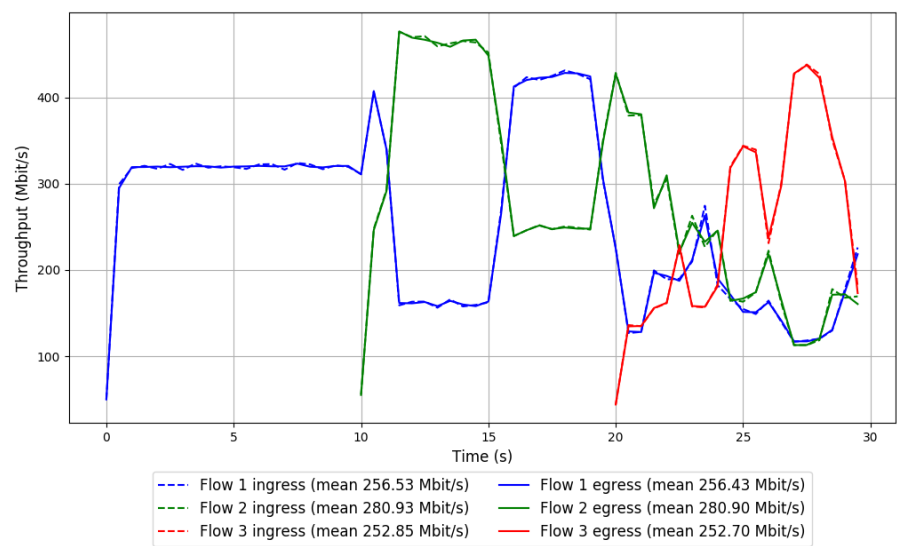
Run 5: Report of CalibratedKoho — Data Link

```
Run 6: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 09:44:26 +0000
End at: Sat, 29 Jul 2017 09:44:56 +0000
Local clock offset: 0.388 ms
Remote clock offset: -0.33 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:06:52 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 539.70 Mbit/s
95th percentile per-packet one-way delay: 11.038 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 341.92 Mbit/s
95th percentile per-packet one-way delay: 9.602 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 213.69 Mbit/s
95th percentile per-packet one-way delay: 12.969 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 167.21 Mbit/s
95th percentile per-packet one-way delay: 14.070 ms
Loss rate: 0.24%
```
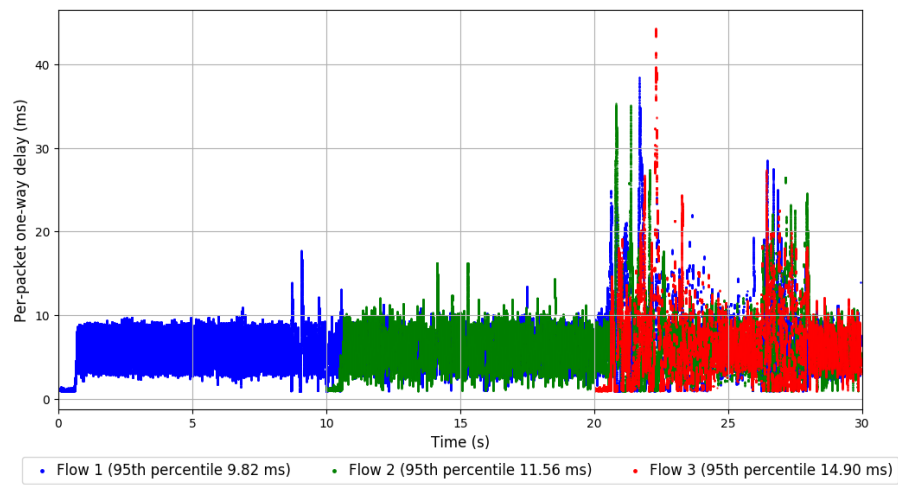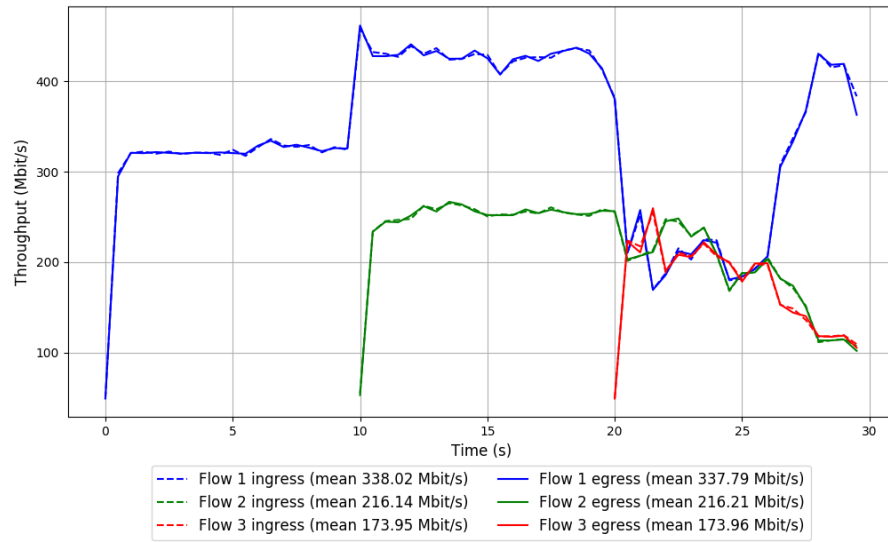
Run 6: Report of CalibratedKoho — Data Link

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```
Run 7: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 10:06:24 +0000
End at: Sat, 29 Jul 2017 10:06:54 +0000
Local clock offset: 0.373 ms
Remote clock offset: -0.362 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:07:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 527.02 Mbit/s
95th percentile per-packet one-way delay: 13.352 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 256.43 Mbit/s
95th percentile per-packet one-way delay: 11.879 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 280.90 Mbit/s
95th percentile per-packet one-way delay: 15.064 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 252.70 Mbit/s
95th percentile per-packet one-way delay: 14.408 ms
Loss rate: 0.27%
```
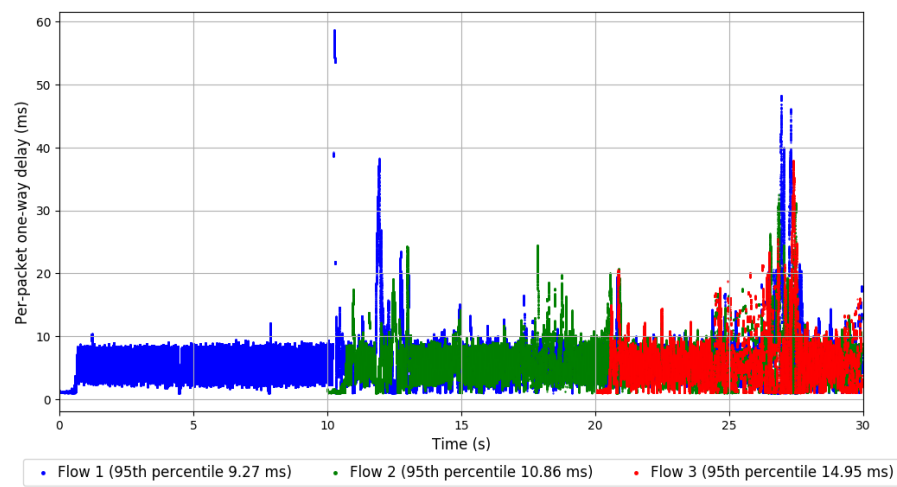
Run 7: Report of CalibratedKoho — Data Link

```
Run 8: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 10:28:38 +0000
End at: Sat, 29 Jul 2017 10:29:08 +0000
Local clock offset: 0.363 ms
Remote clock offset: -0.21 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:08:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 539.34 Mbit/s
95th percentile per-packet one-way delay: 11.091 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 337.79 Mbit/s
95th percentile per-packet one-way delay: 9.819 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 216.21 Mbit/s
95th percentile per-packet one-way delay: 11.563 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 173.96 Mbit/s
95th percentile per-packet one-way delay: 14.904 ms
Loss rate: 0.17%
```
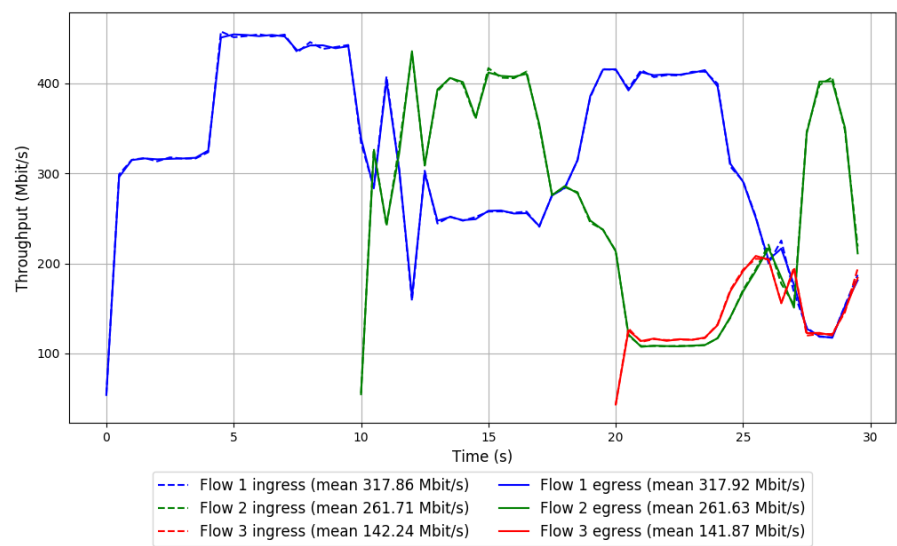
Run 8: Report of CalibratedKoho — Data Link

```
Run 9: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 10:50:46 +0000
End at: Sat, 29 Jul 2017 10:51:16 +0000
Local clock offset: 0.387 ms
Remote clock offset: -0.781 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:08:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 539.05 Mbit/s
95th percentile per-packet one-way delay: 10.365 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 317.92 Mbit/s
95th percentile per-packet one-way delay: 9.271 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 261.63 Mbit/s
95th percentile per-packet one-way delay: 10.858 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 141.87 Mbit/s
95th percentile per-packet one-way delay: 14.947 ms
Loss rate: 0.36%
```
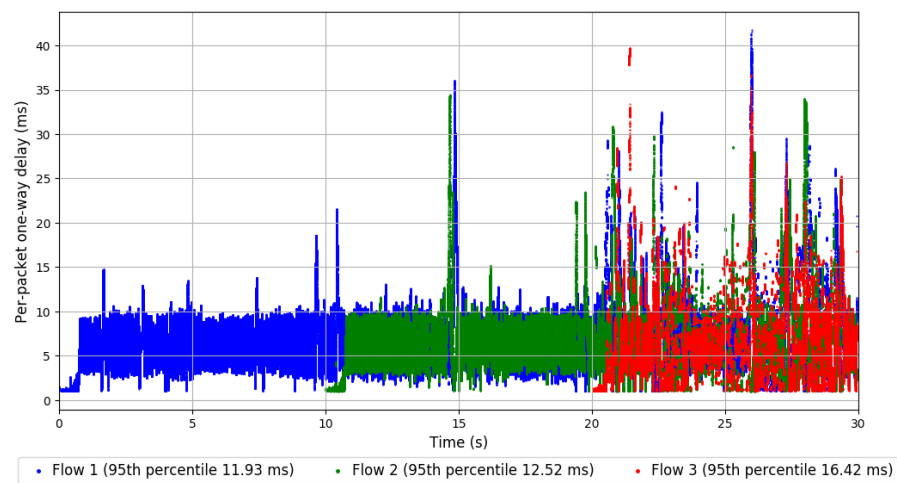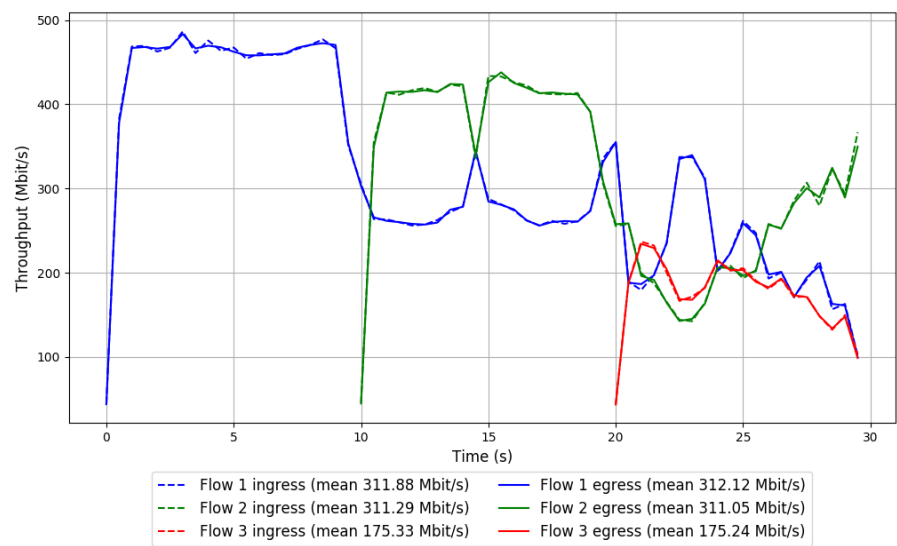
Run 9: Report of CalibratedKoho — Data Link

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```
Run 10: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 11:12:46 +0000
End at: Sat, 29 Jul 2017 11:13:16 +0000
Local clock offset: 0.423 ms
Remote clock offset: -0.514 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:09:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.10 Mbit/s
95th percentile per-packet one-way delay: 12.826 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 312.12 Mbit/s
95th percentile per-packet one-way delay: 11.927 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 311.05 Mbit/s
95th percentile per-packet one-way delay: 12.516 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 175.24 Mbit/s
95th percentile per-packet one-way delay: 16.418 ms
Loss rate: 0.18%
```
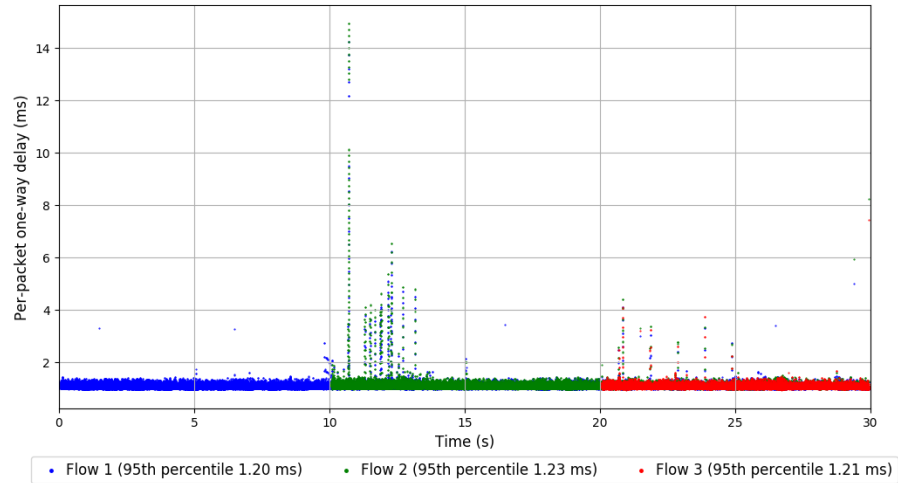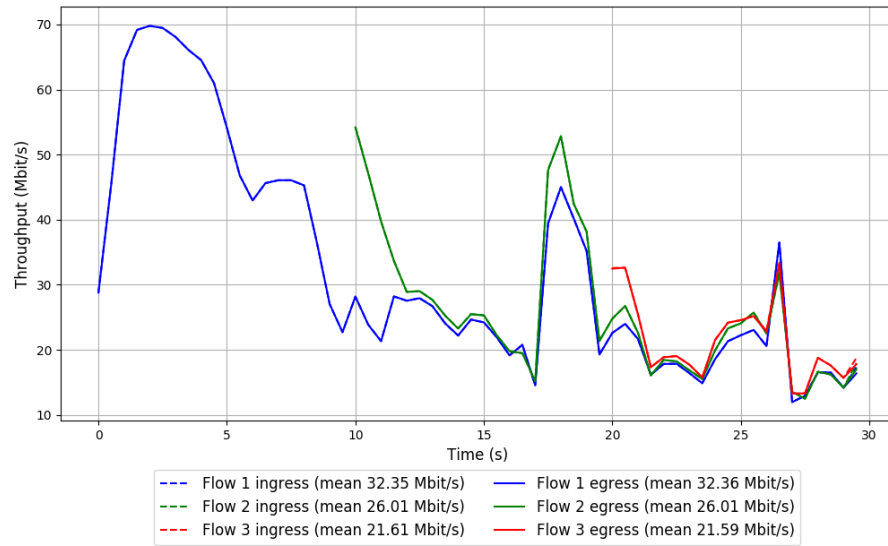
Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: Sat, 29 Jul 2017 07:51:22 +0000
End at: Sat, 29 Jul 2017 07:51:52 +0000
Local clock offset: 0.695 ms
Remote clock offset: -1.009 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:09:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.22%
```
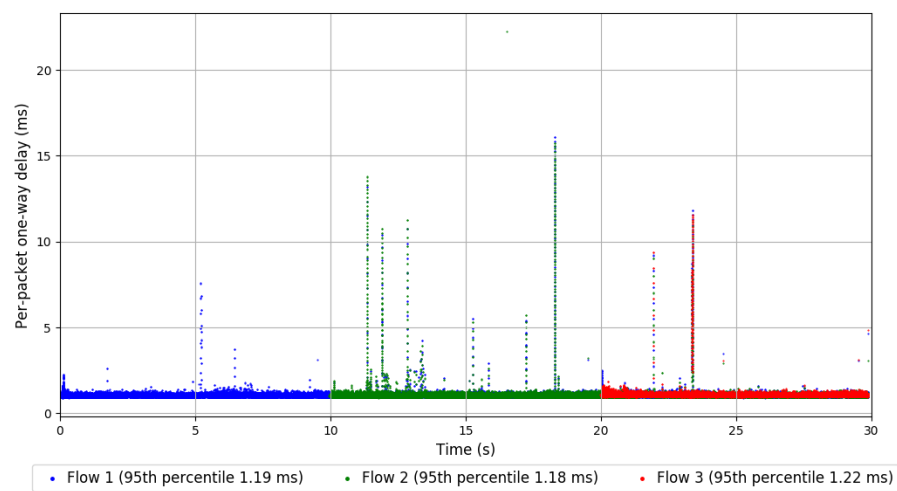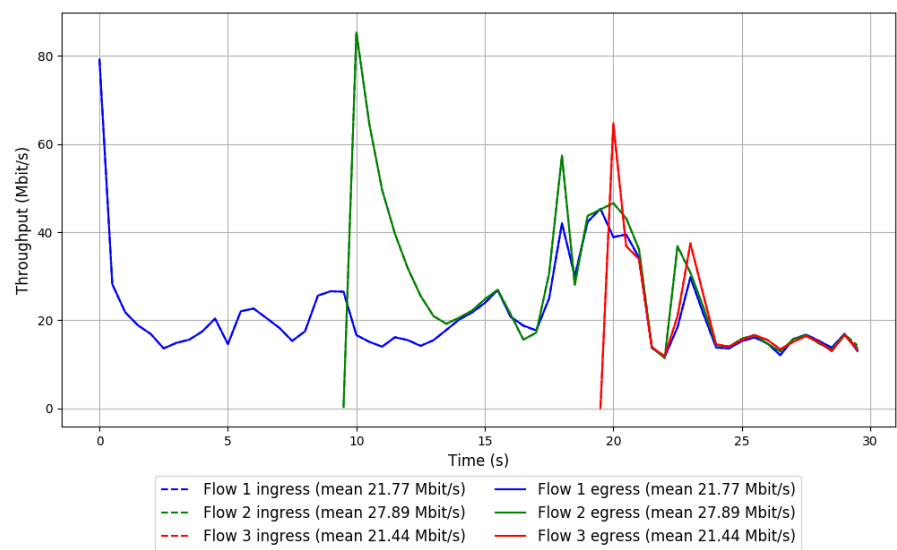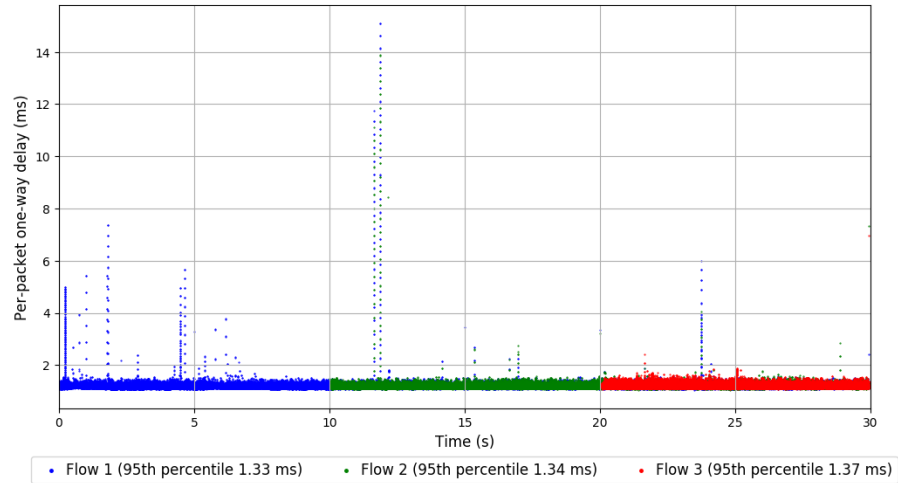
Run 1: Report of Copa — Data Link

- - - Flow 1 ingress (mean 32.35 Mbit/s)   —— Flow 1 egress (mean 32.36 Mbit/s)
- - - Flow 2 ingress (mean 26.01 Mbit/s)   —— Flow 2 egress (mean 26.01 Mbit/s)
- - - Flow 3 ingress (mean 21.61 Mbit/s)   —— Flow 3 egress (mean 21.59 Mbit/s)

• Flow 1 (95th percentile 1.20 ms)   • Flow 2 (95th percentile 1.23 ms)   • Flow 3 (95th percentile 1.21 ms)

```
Run 2: Statistics of Copa

Start at: Sat, 29 Jul 2017 08:12:54 +0000
End at: Sat, 29 Jul 2017 08:13:24 +0000
Local clock offset: 0.517 ms
Remote clock offset: -1.099 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:09:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 21.77 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.13%
```
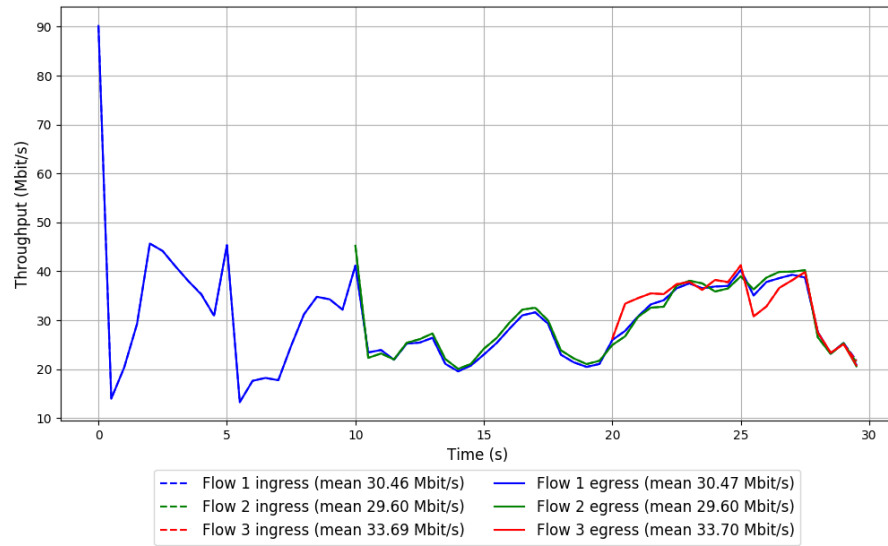
Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: Sat, 29 Jul 2017 08:35:19 +0000
End at: Sat, 29 Jul 2017 08:35:49 +0000
Local clock offset: 0.519 ms
Remote clock offset: -0.881 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:09:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 1.368 ms
Loss rate: 0.14%
```
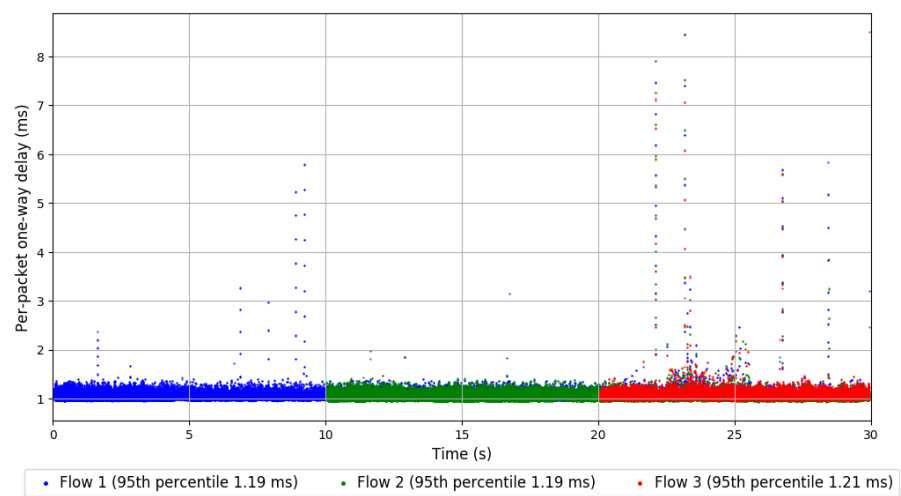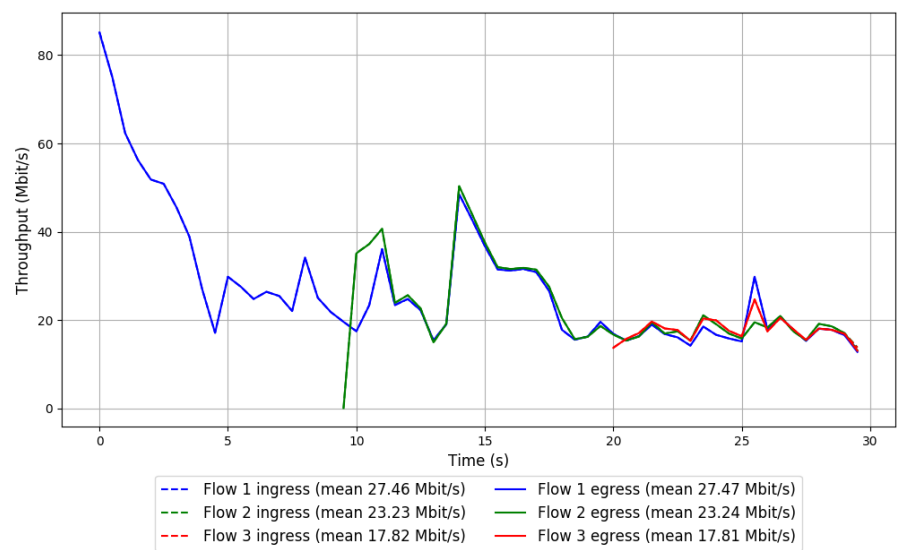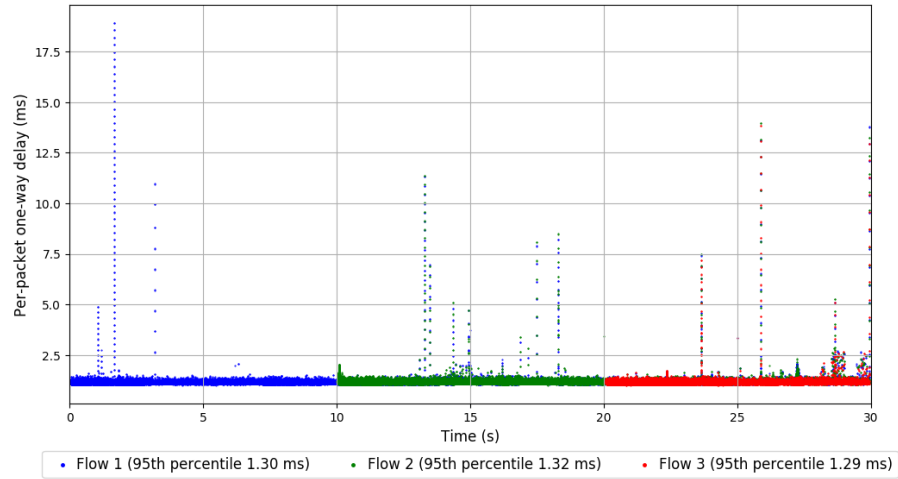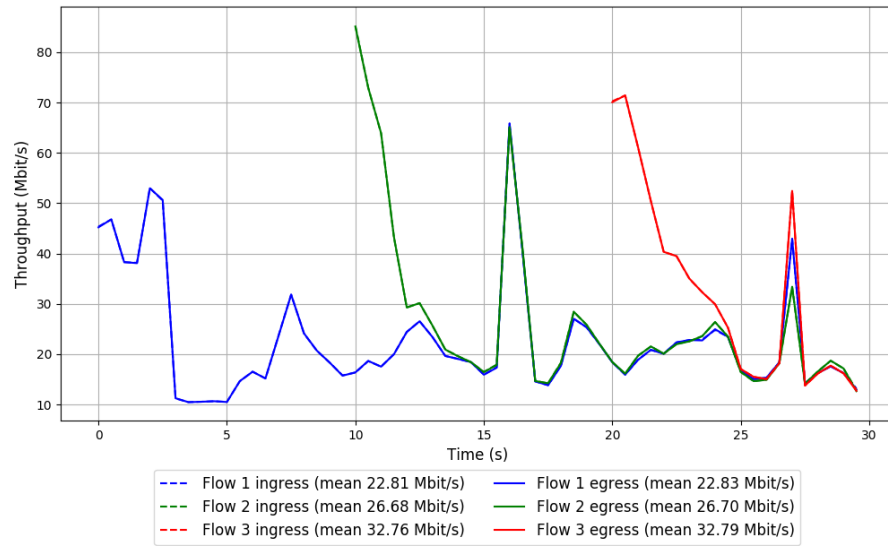
Run 3: Report of Copa — Data Link

- - - Flow 1 ingress (mean 30.46 Mbit/s) —— Flow 1 egress (mean 30.47 Mbit/s)
- - - Flow 2 ingress (mean 29.60 Mbit/s) —— Flow 2 egress (mean 29.60 Mbit/s)
- - - Flow 3 ingress (mean 33.69 Mbit/s) —— Flow 3 egress (mean 33.70 Mbit/s)

• Flow 1 (95th percentile 1.33 ms)   • Flow 2 (95th percentile 1.34 ms)   • Flow 3 (95th percentile 1.37 ms)

```
Run 4: Statistics of Copa

Start at: Sat, 29 Jul 2017 08:57:37 +0000
End at: Sat, 29 Jul 2017 08:58:07 +0000
Local clock offset: 0.346 ms
Remote clock offset: -0.418 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:09:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.20%
```
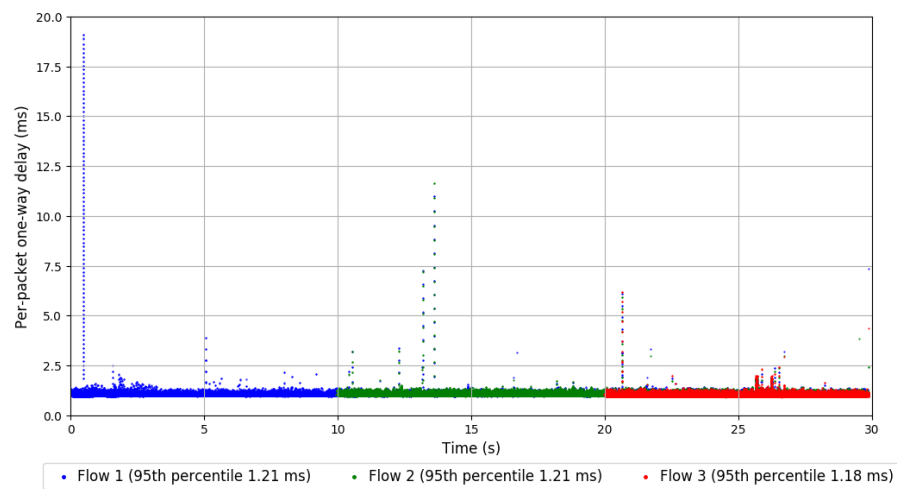
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: Sat, 29 Jul 2017 09:19:46 +0000
End at: Sat, 29 Jul 2017 09:20:16 +0000
Local clock offset: 0.404 ms
Remote clock offset: -0.735 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:09:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 22.83 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.04%
```
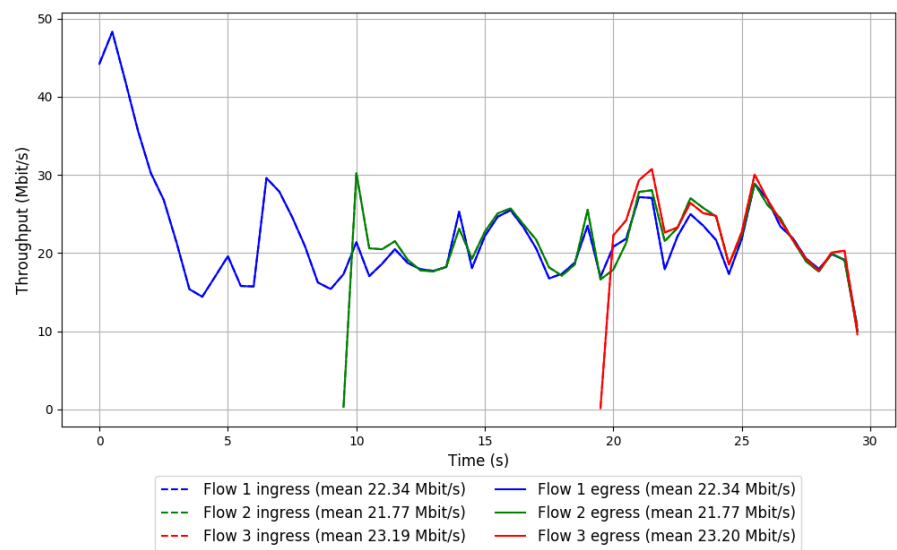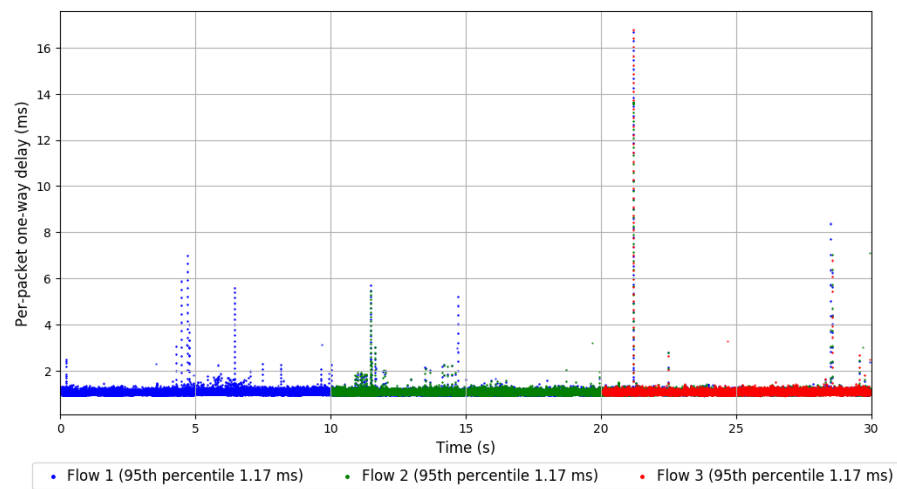
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: Sat, 29 Jul 2017 09:41:59 +0000
End at: Sat, 29 Jul 2017 09:42:29 +0000
Local clock offset: 0.309 ms
Remote clock offset: -0.289 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:09:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 21.77 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.14%
```
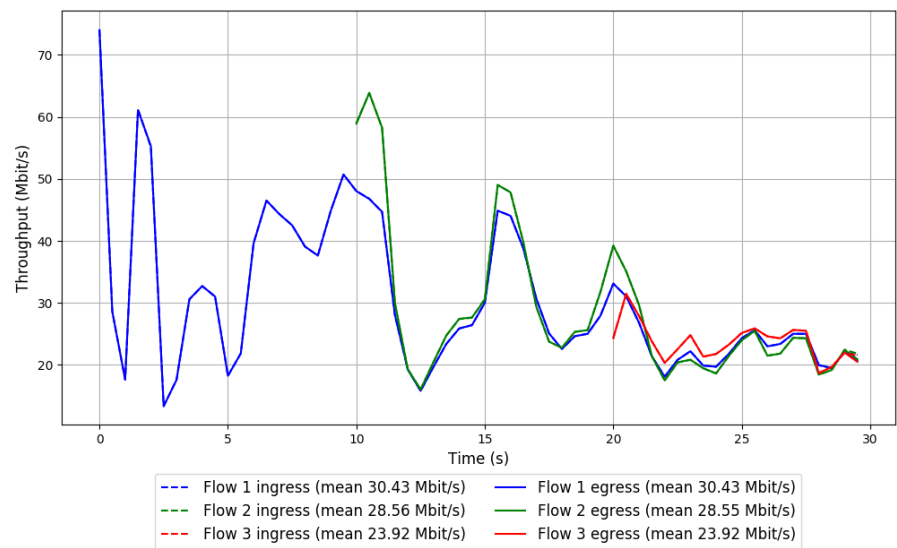
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: Sat, 29 Jul 2017 10:03:55 +0000
End at: Sat, 29 Jul 2017 10:04:25 +0000
Local clock offset: 0.317 ms
Remote clock offset: -0.374 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:10:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.22%
```
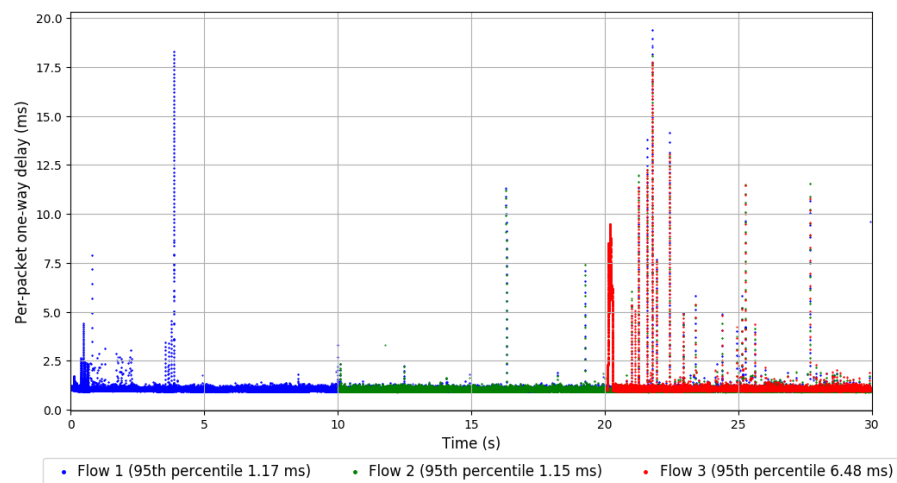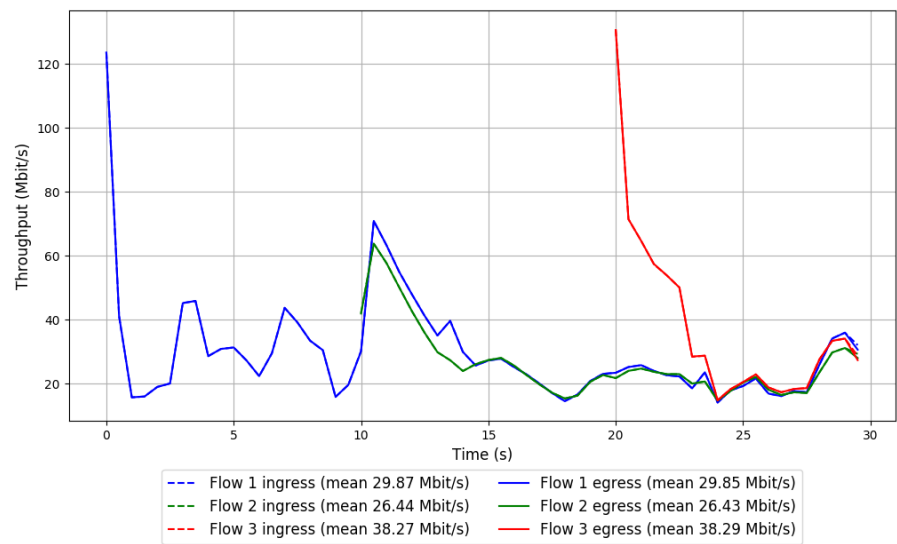
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: Sat, 29 Jul 2017 10:26:09 +0000
End at: Sat, 29 Jul 2017 10:26:39 +0000
Local clock offset: 0.312 ms
Remote clock offset: -0.228 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:10:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.10 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 6.480 ms
Loss rate: 0.18%
```
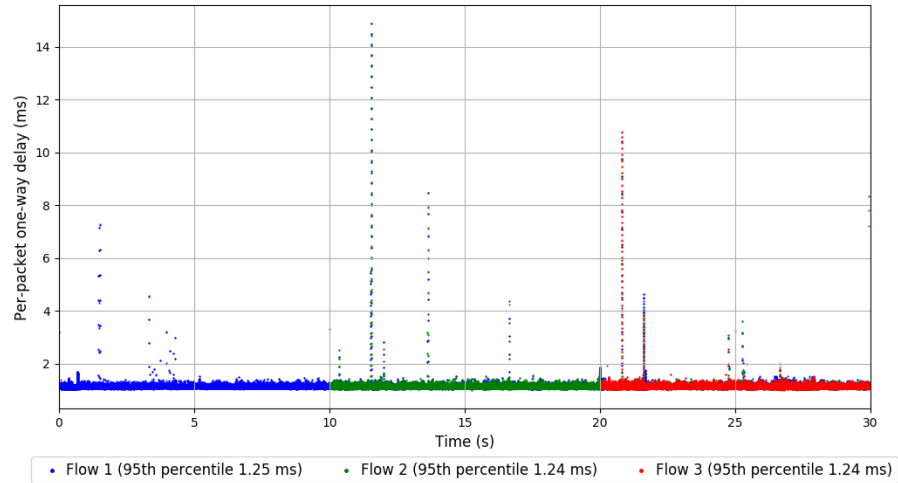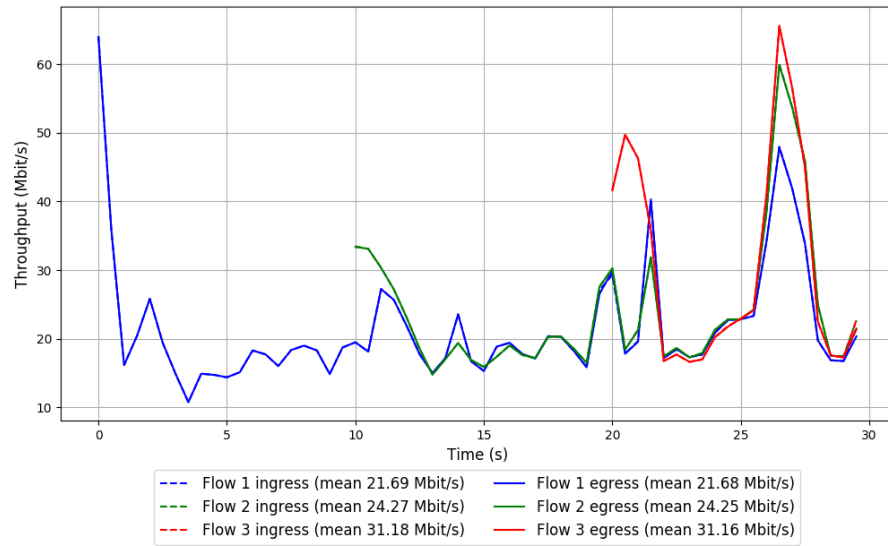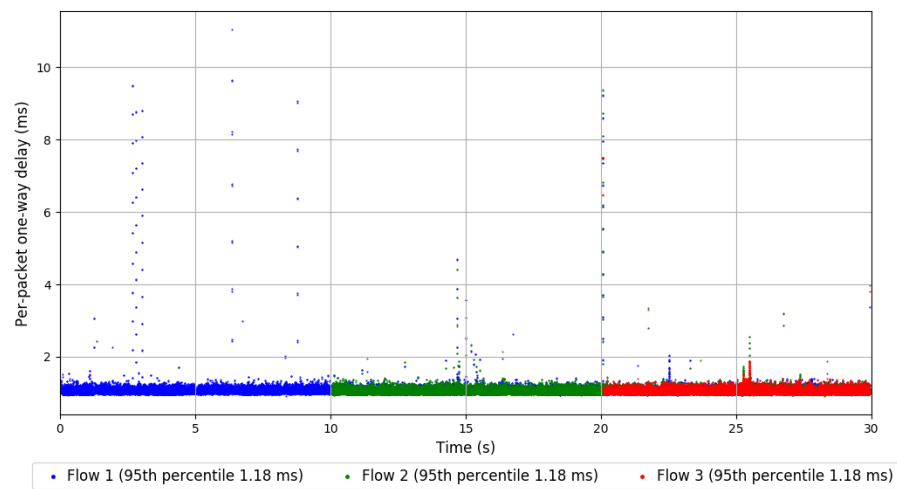
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 29.87 Mbit/s) --- Flow 1 egress (mean 29.85 Mbit/s)
Flow 2 ingress (mean 26.44 Mbit/s) --- Flow 2 egress (mean 26.43 Mbit/s)
Flow 3 ingress (mean 38.27 Mbit/s) --- Flow 3 egress (mean 38.29 Mbit/s)

Flow 1 (95th percentile 1.17 ms)   Flow 2 (95th percentile 1.15 ms)   Flow 3 (95th percentile 6.48 ms)

```
Run 9: Statistics of Copa

Start at: Sat, 29 Jul 2017 10:48:19 +0000
End at: Sat, 29 Jul 2017 10:48:49 +0000
Local clock offset: 0.397 ms
Remote clock offset: -0.764 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:10:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.21%
```
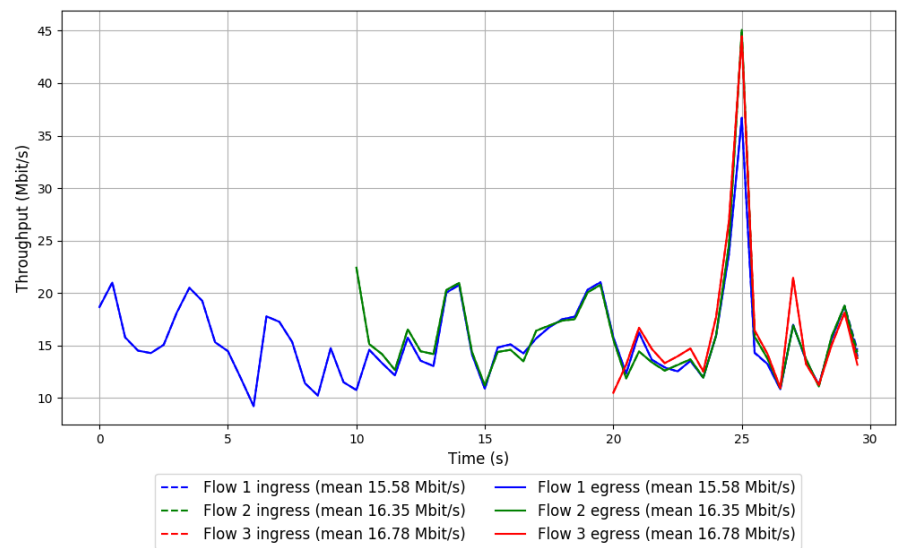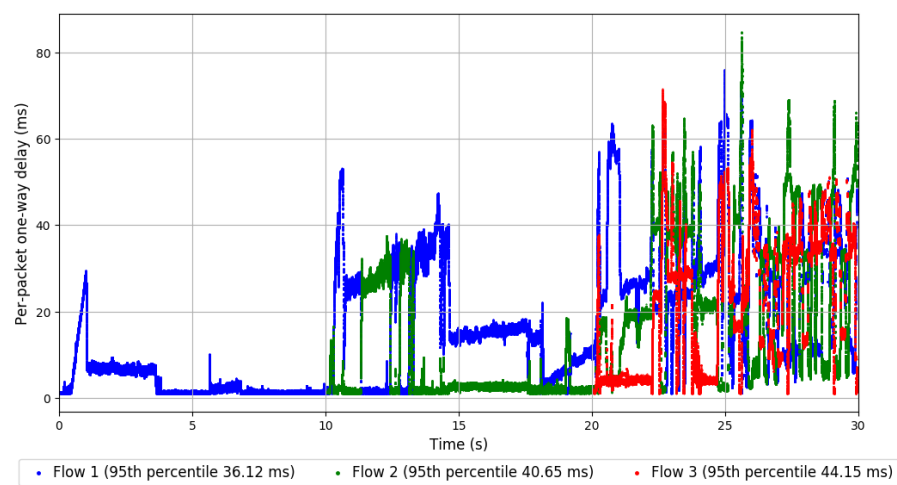
Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: Sat, 29 Jul 2017 11:10:20 +0000
End at: Sat, 29 Jul 2017 11:10:50 +0000
Local clock offset: 0.332 ms
Remote clock offset: -0.582 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:10:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 16.78 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.17%
```
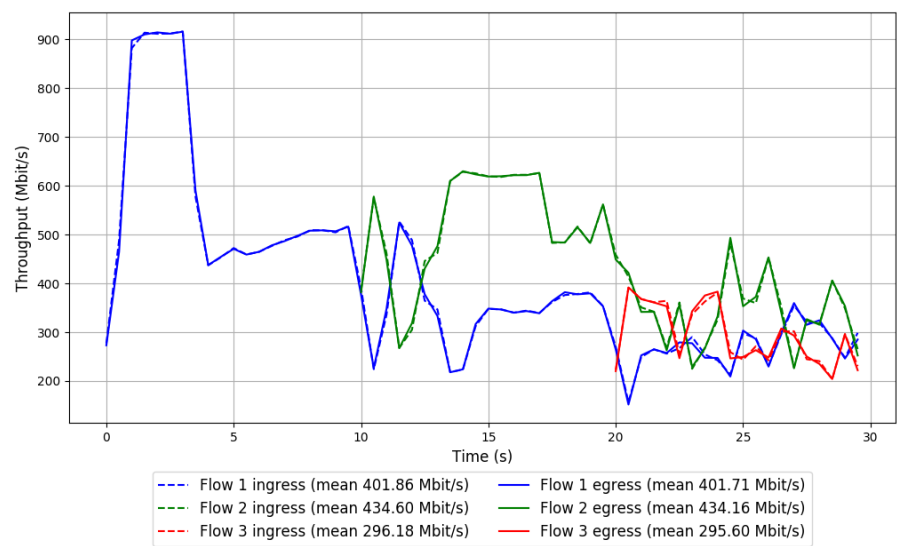
Run 10: Report of Copa — Data Link

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```
Run 1: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 07:46:28 +0000
End at: Sat, 29 Jul 2017 07:46:58 +0000
Local clock offset: 0.786 ms
Remote clock offset: -1.148 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:11:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.25 Mbit/s
95th percentile per-packet one-way delay: 39.554 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 401.71 Mbit/s
95th percentile per-packet one-way delay: 36.125 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 434.16 Mbit/s
95th percentile per-packet one-way delay: 40.653 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 295.60 Mbit/s
95th percentile per-packet one-way delay: 44.148 ms
Loss rate: 0.42%
```
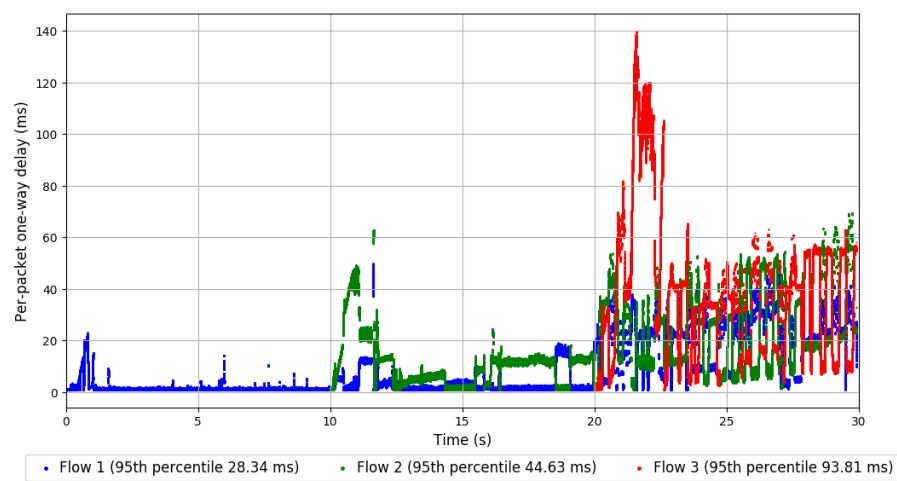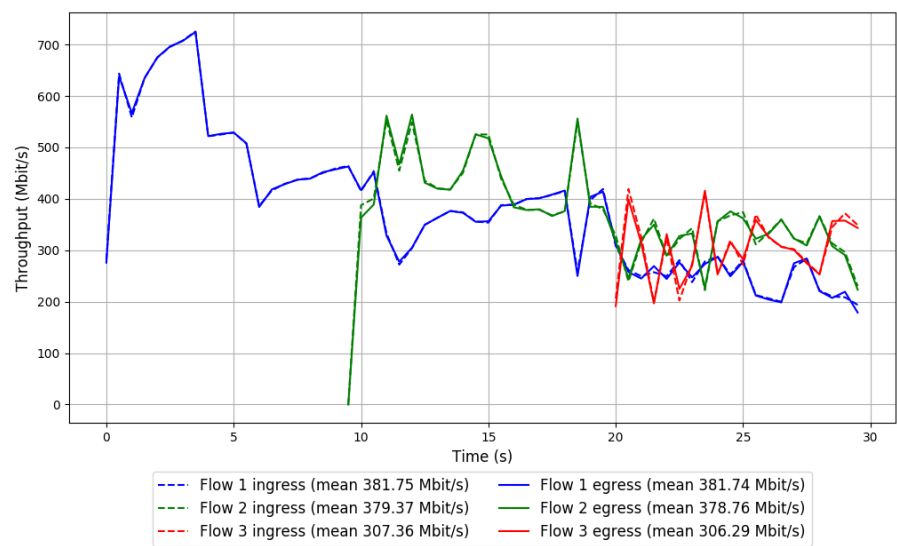
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 08:08:03 +0000
End at: Sat, 29 Jul 2017 08:08:33 +0000
Local clock offset: 0.548 ms
Remote clock offset: -1.18 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:11:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 735.48 Mbit/s
95th percentile per-packet one-way delay: 45.090 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 381.74 Mbit/s
95th percentile per-packet one-way delay: 28.345 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 378.76 Mbit/s
95th percentile per-packet one-way delay: 44.632 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 306.29 Mbit/s
95th percentile per-packet one-way delay: 93.806 ms
Loss rate: 0.52%
```
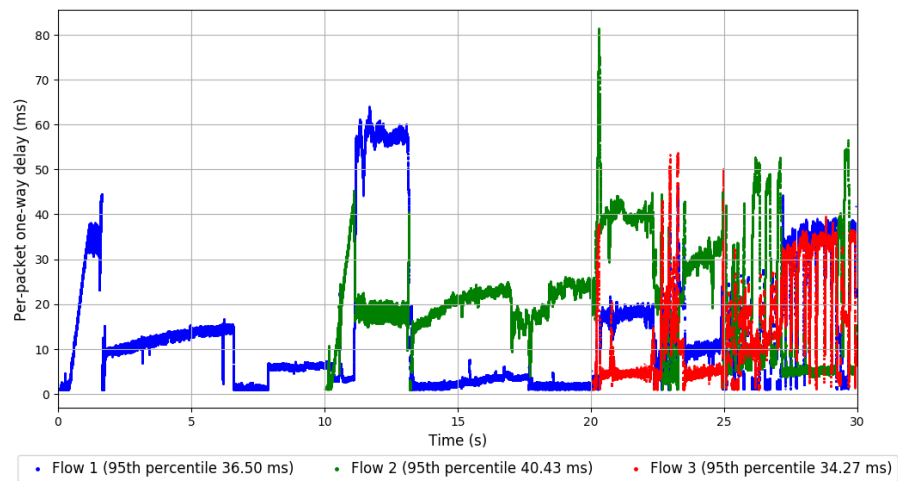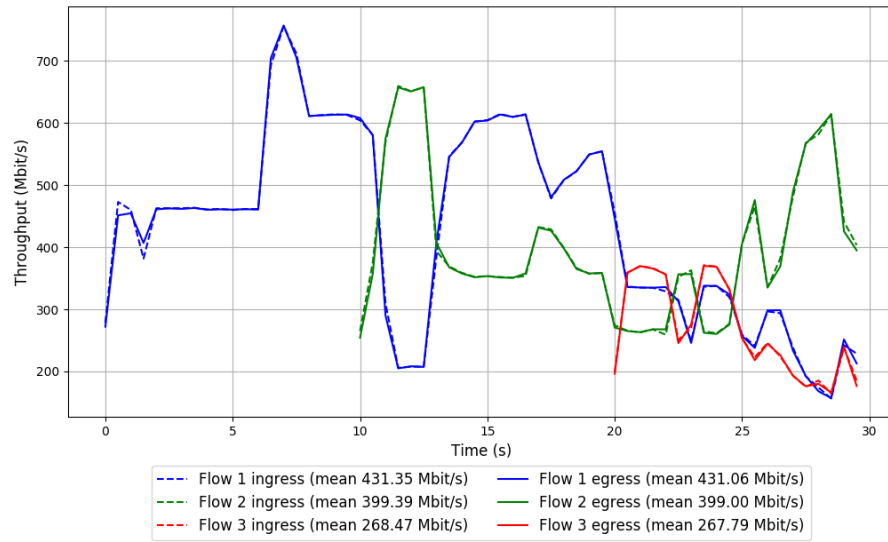
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 08:30:23 +0000
End at: Sat, 29 Jul 2017 08:30:53 +0000
Local clock offset: 0.405 ms
Remote clock offset: -0.924 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:13:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.13 Mbit/s
95th percentile per-packet one-way delay: 38.641 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 431.06 Mbit/s
95th percentile per-packet one-way delay: 36.504 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 399.00 Mbit/s
95th percentile per-packet one-way delay: 40.427 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 267.79 Mbit/s
95th percentile per-packet one-way delay: 34.269 ms
Loss rate: 0.34%
```
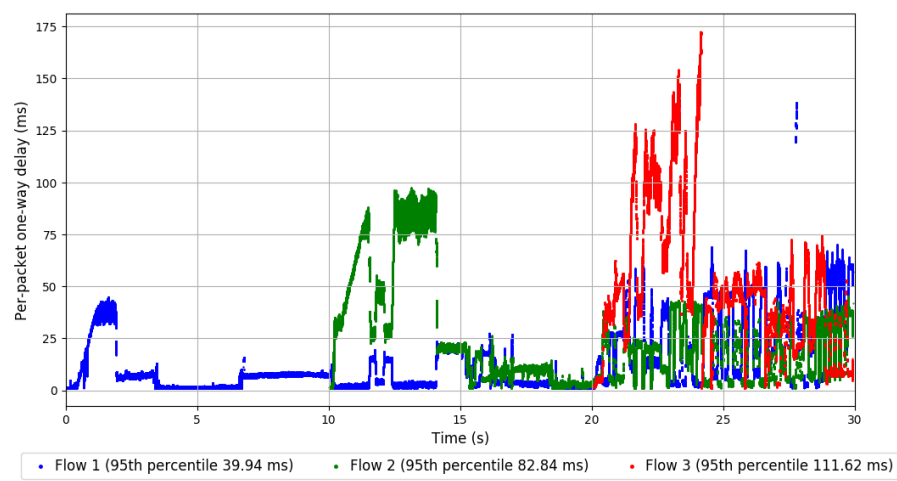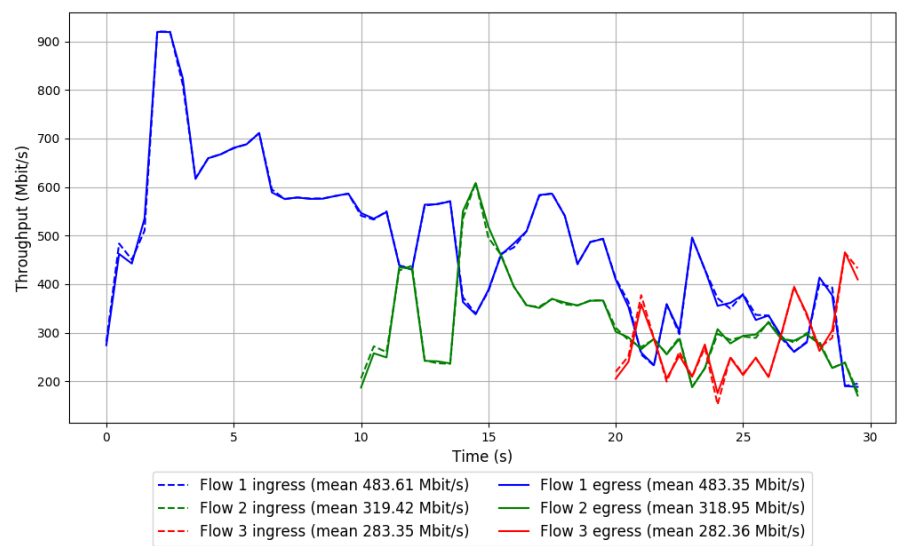
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 08:52:43 +0000
End at: Sat, 29 Jul 2017 08:53:13 +0000
Local clock offset: 0.462 ms
Remote clock offset: -0.534 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:13:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 789.03 Mbit/s
95th percentile per-packet one-way delay: 58.999 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 483.35 Mbit/s
95th percentile per-packet one-way delay: 39.938 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 318.95 Mbit/s
95th percentile per-packet one-way delay: 82.840 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 282.36 Mbit/s
95th percentile per-packet one-way delay: 111.616 ms
Loss rate: 0.55%
```
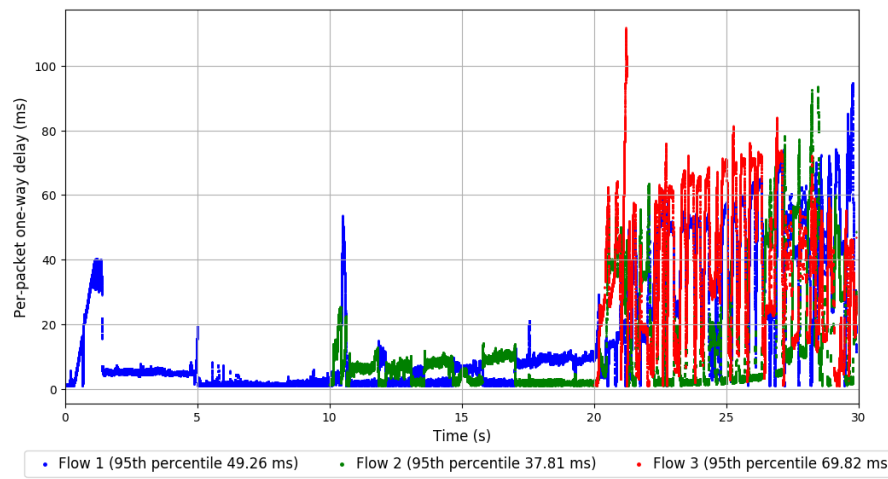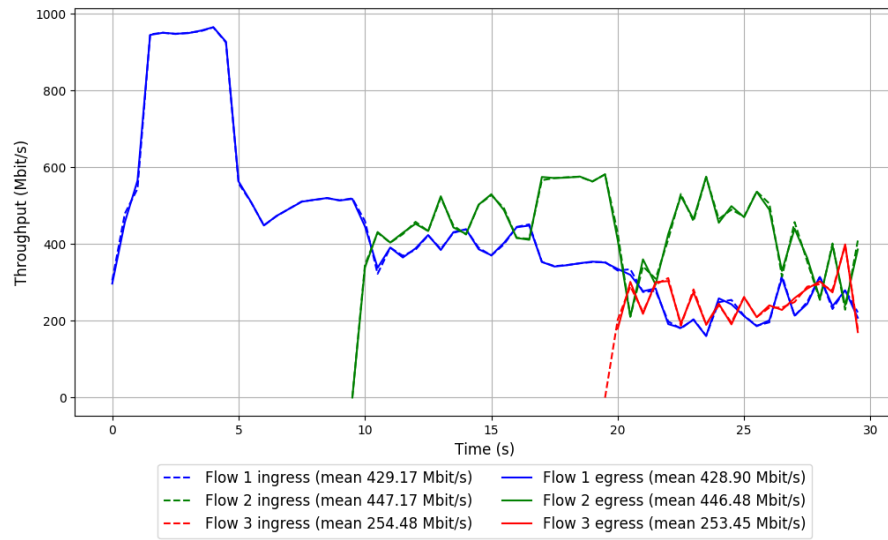
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 09:14:55 +0000
End at: Sat, 29 Jul 2017 09:15:25 +0000
Local clock offset: 0.415 ms
Remote clock offset: -0.675 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:15:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 810.35 Mbit/s
95th percentile per-packet one-way delay: 51.408 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 428.90 Mbit/s
95th percentile per-packet one-way delay: 49.264 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 446.48 Mbit/s
95th percentile per-packet one-way delay: 37.807 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 253.45 Mbit/s
95th percentile per-packet one-way delay: 69.823 ms
Loss rate: 0.41%
```
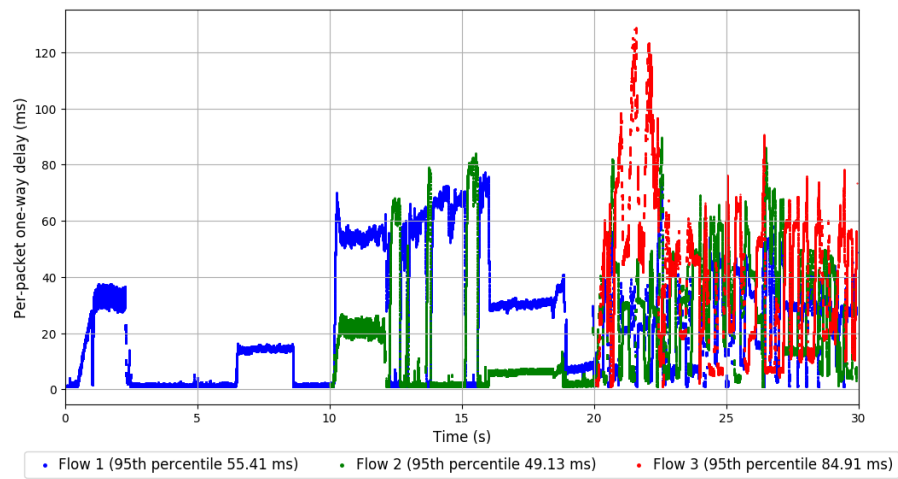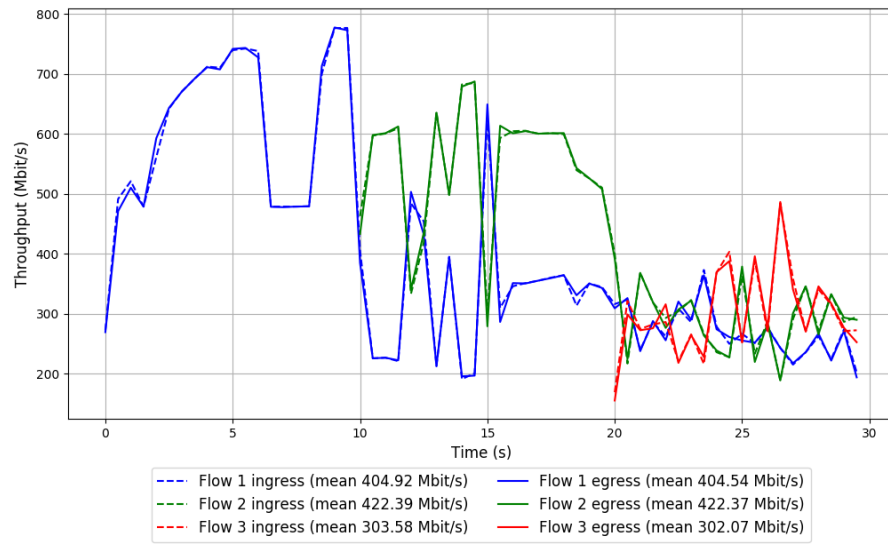
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 429.17 Mbit/s)   Flow 1 egress (mean 428.90 Mbit/s)
Flow 2 ingress (mean 447.17 Mbit/s)   Flow 2 egress (mean 446.48 Mbit/s)
Flow 3 ingress (mean 254.48 Mbit/s)   Flow 3 egress (mean 253.45 Mbit/s)

Flow 1 (95th percentile 49.26 ms)   Flow 2 (95th percentile 37.81 ms)   Flow 3 (95th percentile 69.82 ms)

```
Run 6: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 09:37:02 +0000
End at: Sat, 29 Jul 2017 09:37:32 +0000
Local clock offset: 0.399 ms
Remote clock offset: -0.413 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:15:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.75 Mbit/s
95th percentile per-packet one-way delay: 58.367 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 404.54 Mbit/s
95th percentile per-packet one-way delay: 55.408 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 422.37 Mbit/s
95th percentile per-packet one-way delay: 49.126 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 302.07 Mbit/s
95th percentile per-packet one-way delay: 84.907 ms
Loss rate: 0.52%
```
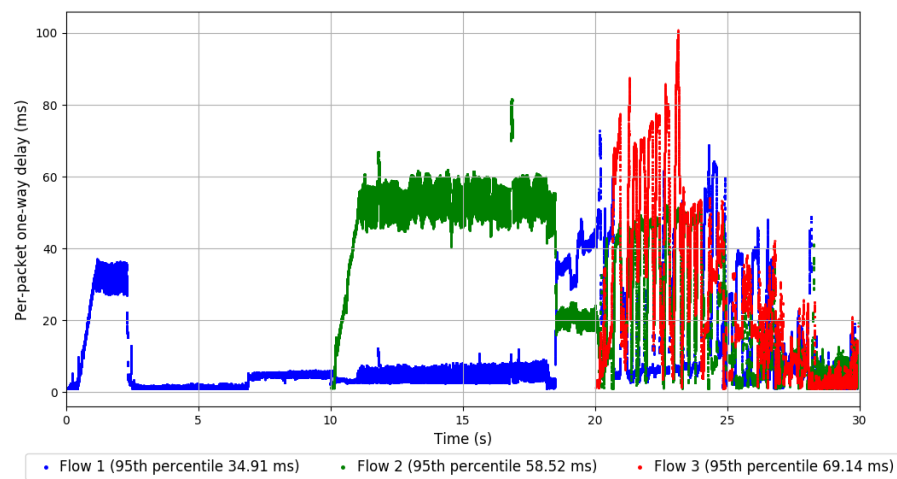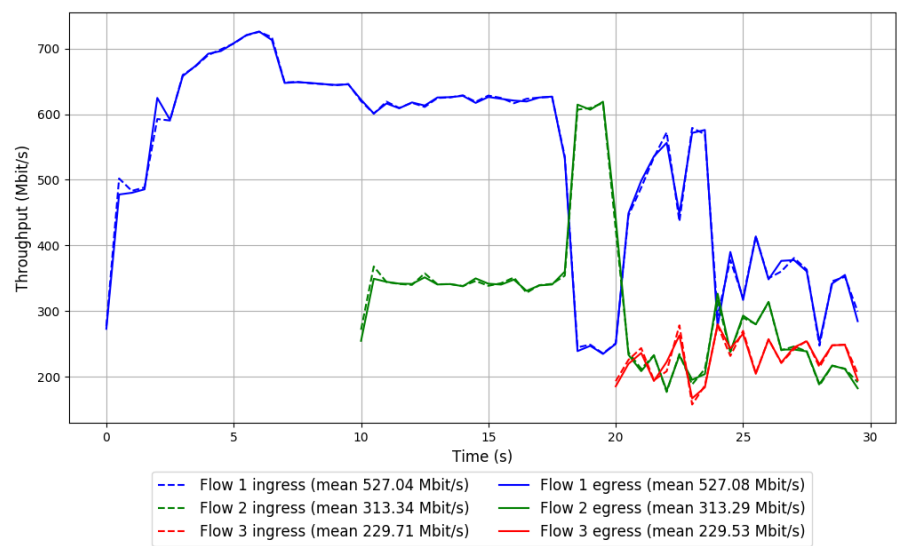
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 09:59:06 +0000
End at: Sat, 29 Jul 2017 09:59:36 +0000
Local clock offset: 0.403 ms
Remote clock offset: -0.426 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:16:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 811.60 Mbit/s
95th percentile per-packet one-way delay: 55.891 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 527.08 Mbit/s
95th percentile per-packet one-way delay: 34.914 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 313.29 Mbit/s
95th percentile per-packet one-way delay: 58.519 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 229.53 Mbit/s
95th percentile per-packet one-way delay: 69.137 ms
Loss rate: 0.28%
```
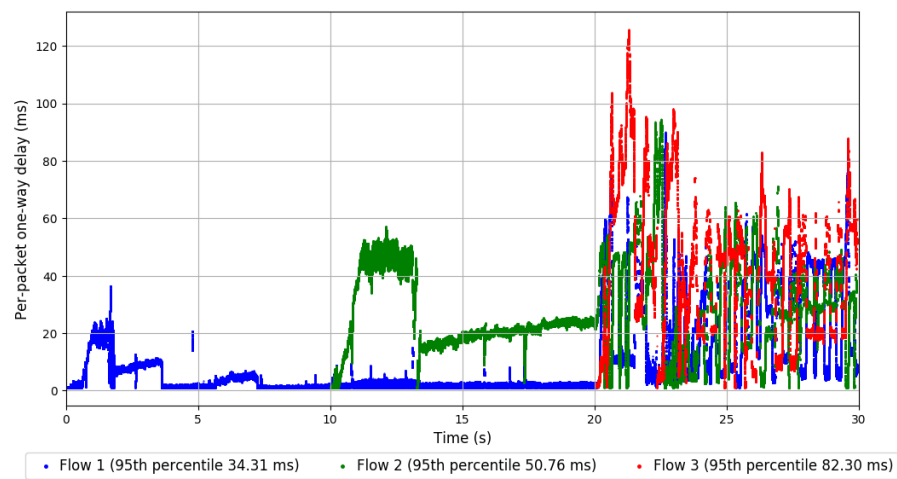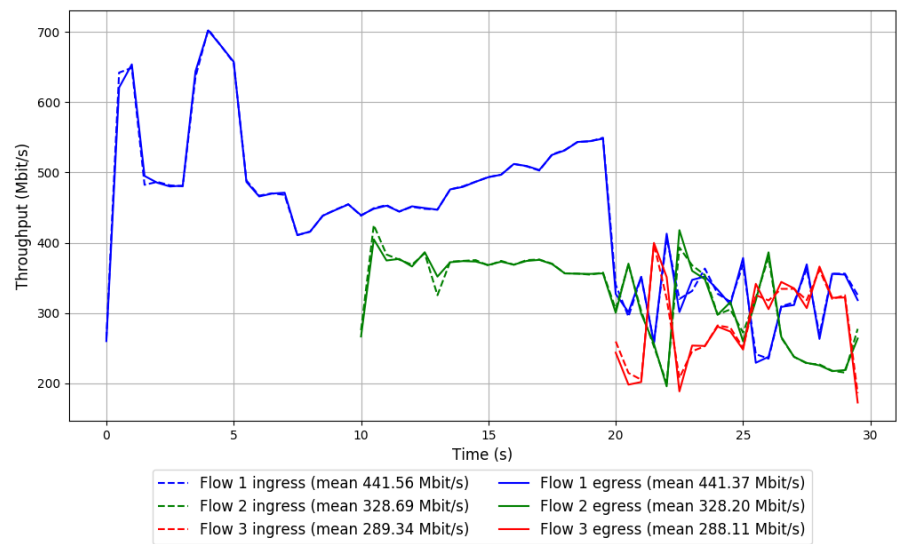
Run 7: Report of TCP Cubic — Data Link

- Flow 1 ingress (mean 527.04 Mbit/s)
- Flow 1 egress (mean 527.08 Mbit/s)
- Flow 2 ingress (mean 313.34 Mbit/s)
- Flow 2 egress (mean 313.29 Mbit/s)
- Flow 3 ingress (mean 229.71 Mbit/s)
- Flow 3 egress (mean 229.53 Mbit/s)

- Flow 1 (95th percentile 34.91 ms)
- Flow 2 (95th percentile 58.52 ms)
- Flow 3 (95th percentile 69.14 ms)

```
Run 8: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 10:21:19 +0000
End at: Sat, 29 Jul 2017 10:21:49 +0000
Local clock offset: 0.391 ms
Remote clock offset: -0.271 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:16:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 755.16 Mbit/s
95th percentile per-packet one-way delay: 50.749 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 441.37 Mbit/s
95th percentile per-packet one-way delay: 34.306 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 328.20 Mbit/s
95th percentile per-packet one-way delay: 50.761 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 288.11 Mbit/s
95th percentile per-packet one-way delay: 82.302 ms
Loss rate: 0.55%
```
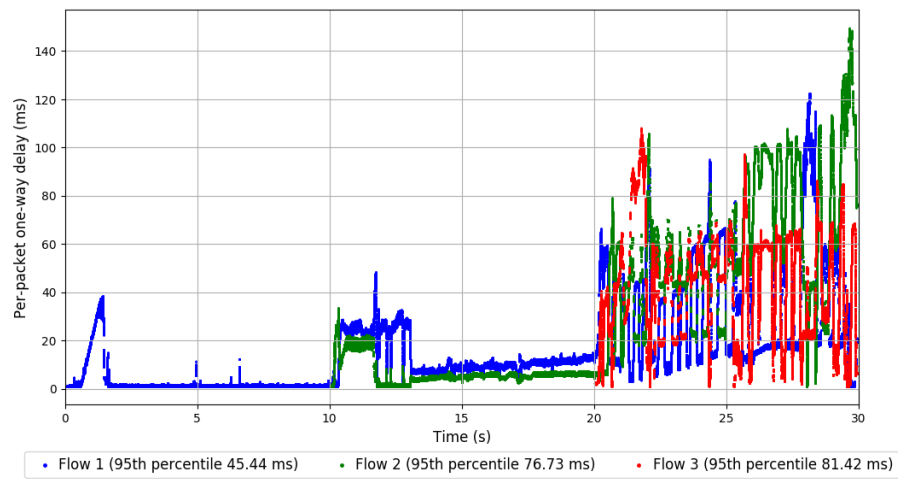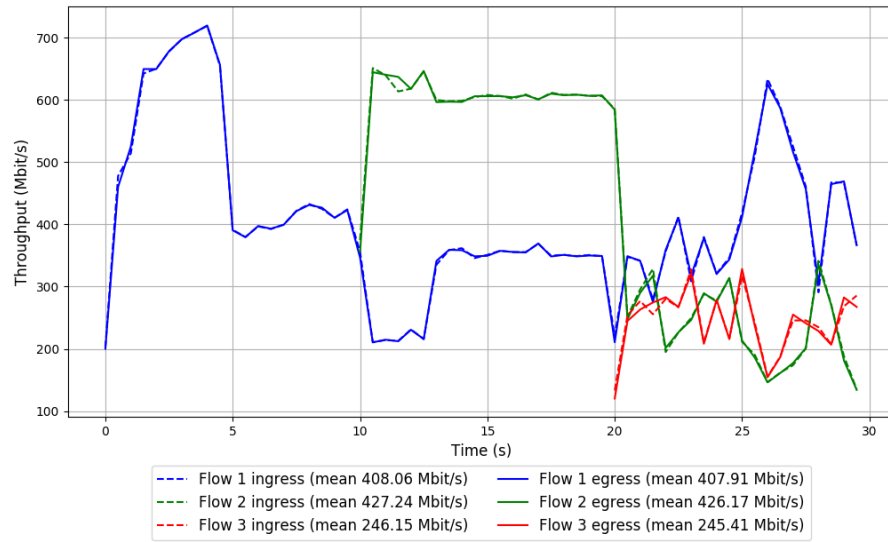
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 10:43:26 +0000
End at: Sat, 29 Jul 2017 10:43:56 +0000
Local clock offset: 0.28 ms
Remote clock offset: -0.735 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:18:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 772.63 Mbit/s
95th percentile per-packet one-way delay: 62.335 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 407.91 Mbit/s
95th percentile per-packet one-way delay: 45.439 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 426.17 Mbit/s
95th percentile per-packet one-way delay: 76.734 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 245.41 Mbit/s
95th percentile per-packet one-way delay: 81.416 ms
Loss rate: 0.50%
```
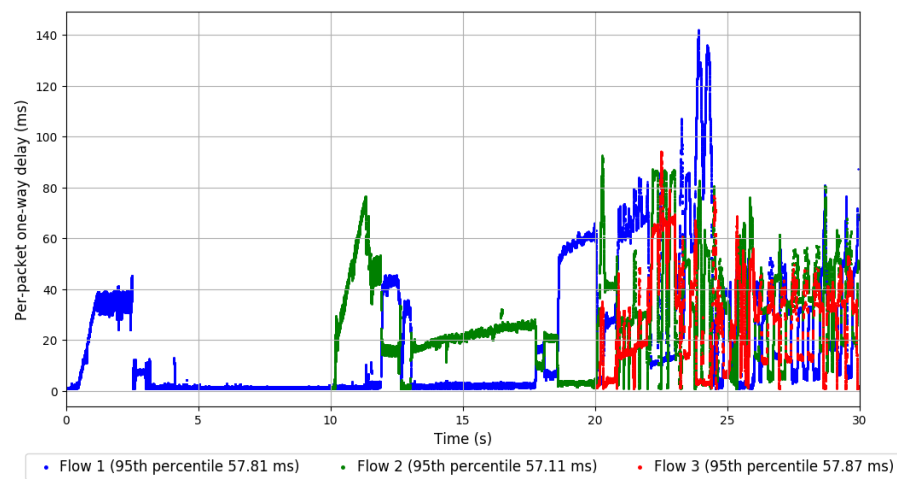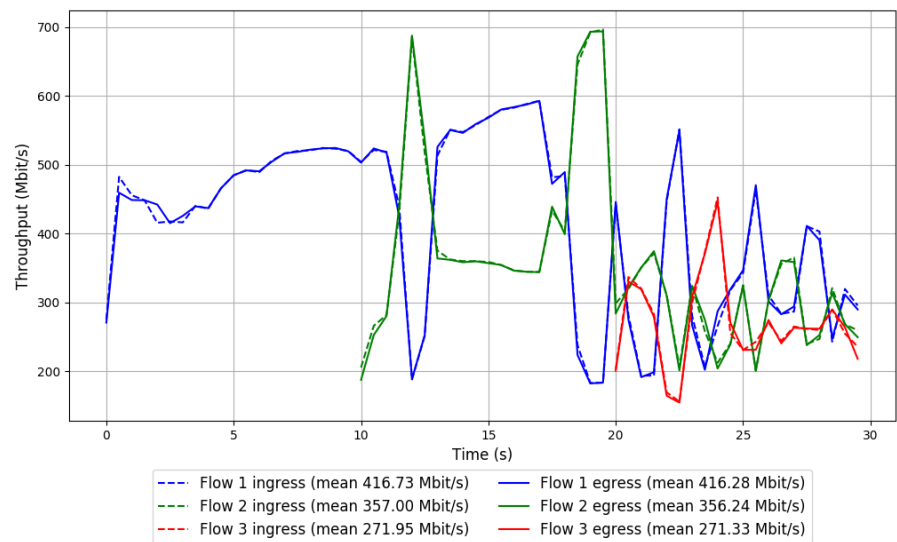
Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 11:05:27 +0000
End at: Sat, 29 Jul 2017 11:05:57 +0000
Local clock offset: 0.432 ms
Remote clock offset: -0.596 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:18:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 743.31 Mbit/s
95th percentile per-packet one-way delay: 57.602 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 416.28 Mbit/s
95th percentile per-packet one-way delay: 57.814 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 356.24 Mbit/s
95th percentile per-packet one-way delay: 57.106 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 271.33 Mbit/s
95th percentile per-packet one-way delay: 57.872 ms
Loss rate: 0.43%
```
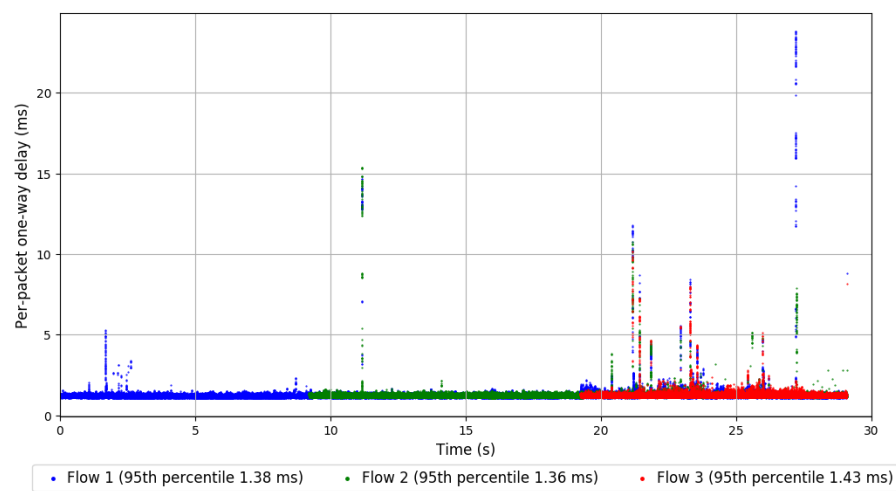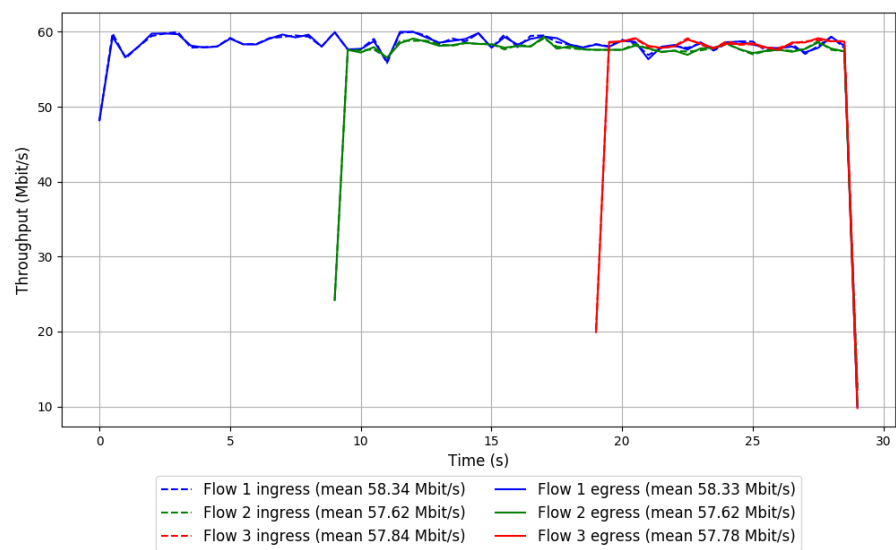
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:59:38 +0000
End at: Sat, 29 Jul 2017 08:00:08 +0000
Local clock offset: 0.758 ms
Remote clock offset: -1.128 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:18:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.31 Mbit/s
95th percentile per-packet one-way delay: 1.381 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 1.365 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 1.429 ms
Loss rate: 0.21%
```
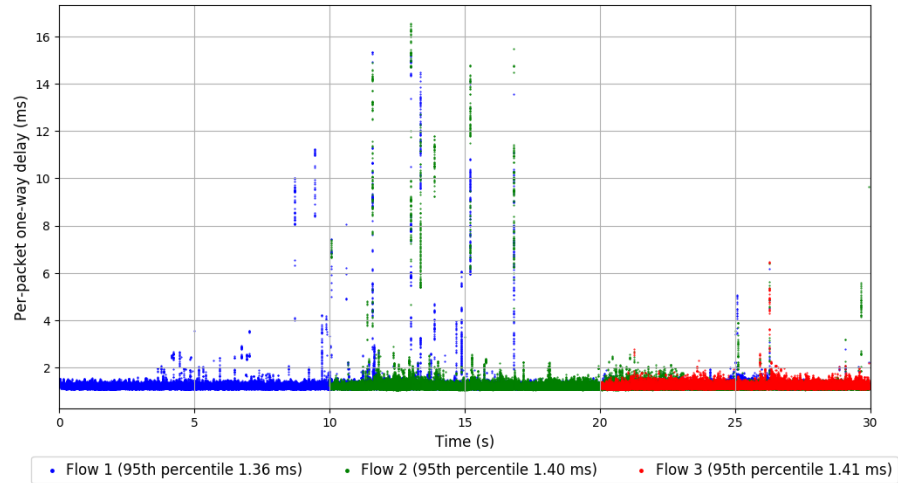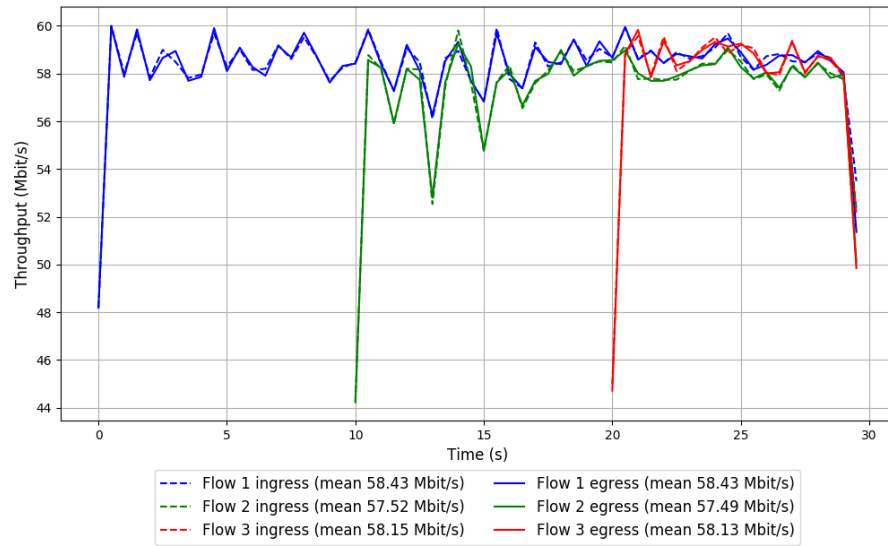
Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 08:21:25 +0000
End at: Sat, 29 Jul 2017 08:21:55 +0000
Local clock offset: 0.511 ms
Remote clock offset: -1.047 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:18:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.92 Mbit/s
95th percentile per-packet one-way delay: 1.382 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.20%
```
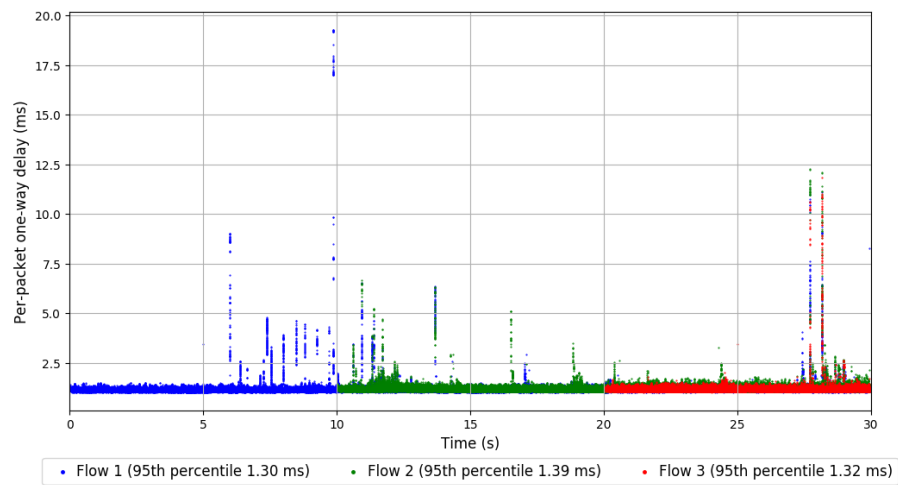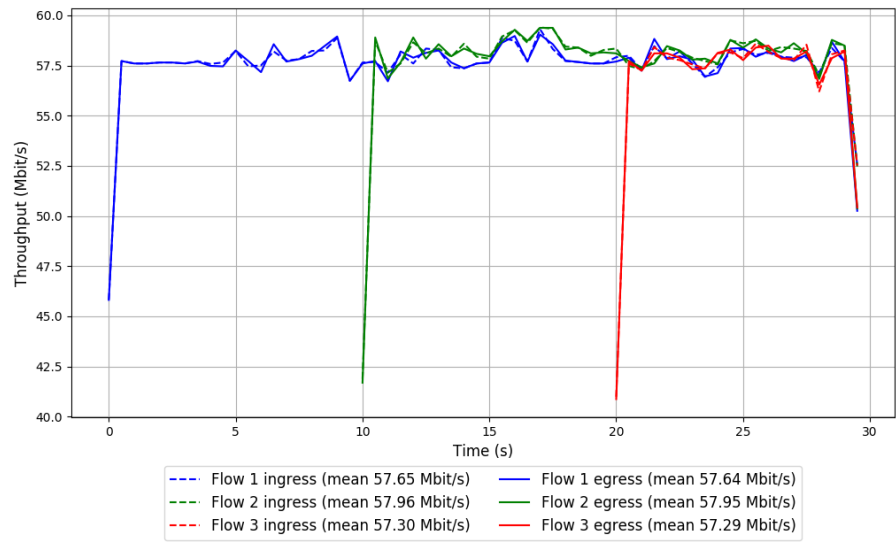
Run 2: Report of KohoCC — Data Link

```
Run 3: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 08:43:49 +0000
End at: Sat, 29 Jul 2017 08:44:19 +0000
Local clock offset: 0.468 ms
Remote clock offset: -0.7 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:19:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.05 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.21%
```
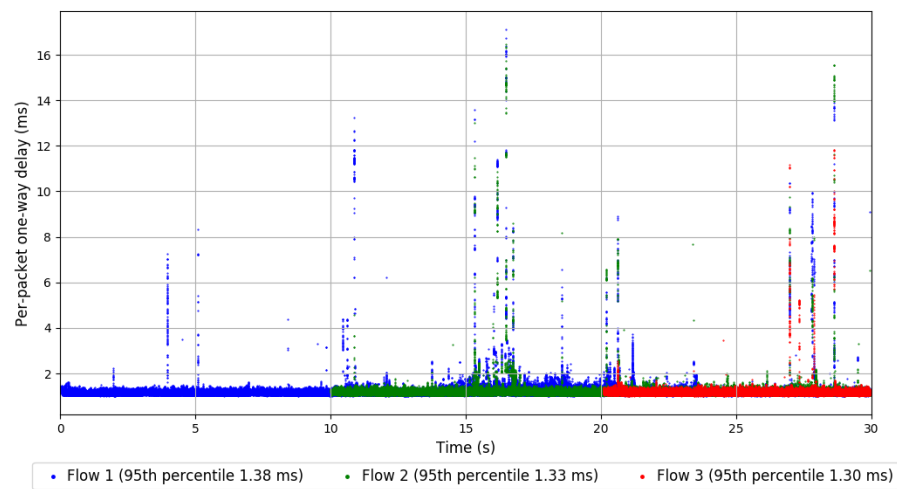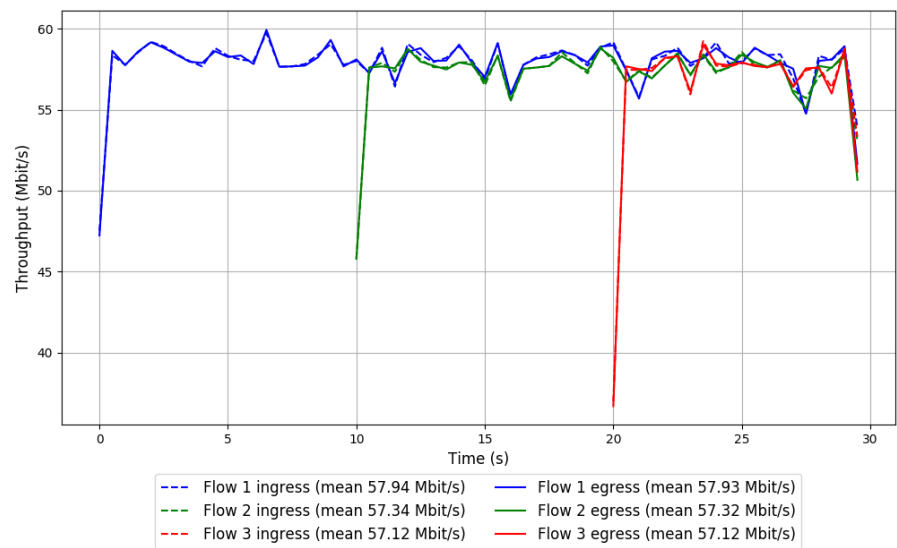
Run 3: Report of KohoCC — Data Link

```
Run 4: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 09:06:02 +0000
End at: Sat, 29 Jul 2017 09:06:32 +0000
Local clock offset: 0.444 ms
Remote clock offset: -0.49 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:19:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 114.88 Mbit/s
95th percentile per-packet one-way delay: 1.345 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 1.296 ms
Loss rate: 0.21%
```
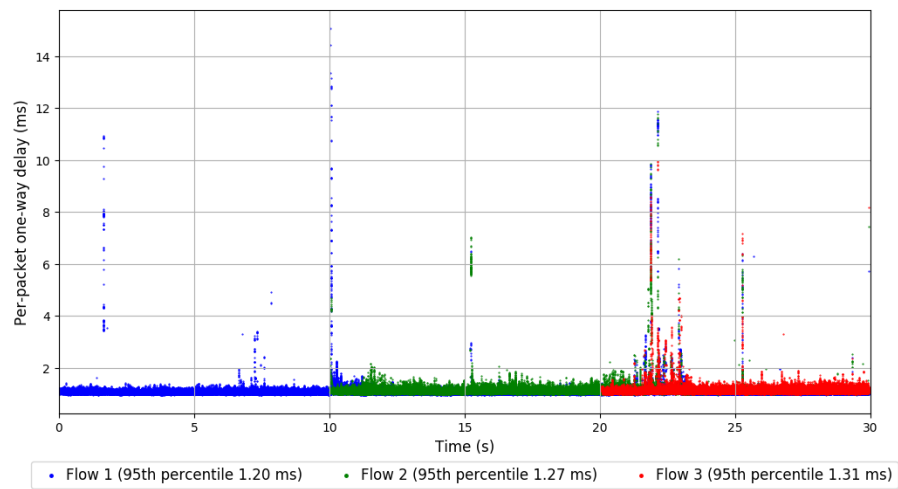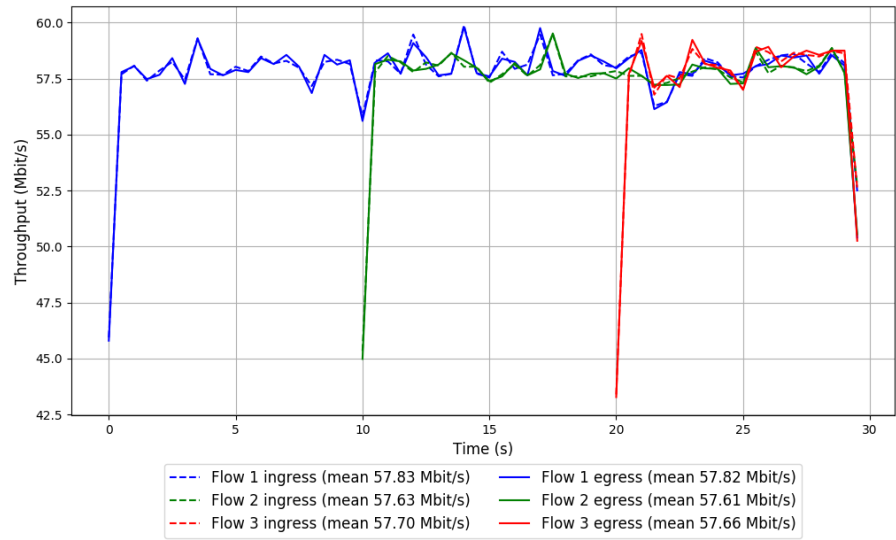
Run 4: Report of KohoCC — Data Link

- - - Flow 1 ingress (mean 57.94 Mbit/s)   —— Flow 1 egress (mean 57.93 Mbit/s)
- - - Flow 2 ingress (mean 57.34 Mbit/s)   —— Flow 2 egress (mean 57.32 Mbit/s)
- - - Flow 3 ingress (mean 57.12 Mbit/s)   —— Flow 3 egress (mean 57.12 Mbit/s)

• Flow 1 (95th percentile 1.38 ms)   • Flow 2 (95th percentile 1.33 ms)   • Flow 3 (95th percentile 1.30 ms)

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```
Run 5: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 09:28:25 +0000
End at: Sat, 29 Jul 2017 09:28:55 +0000
Local clock offset: 0.311 ms
Remote clock offset: -0.567 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:19:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.24 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 57.61 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.21%
```
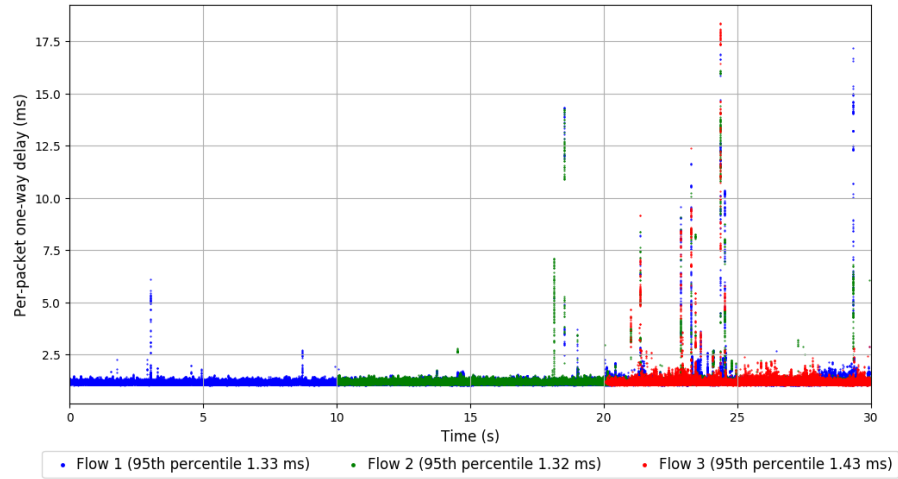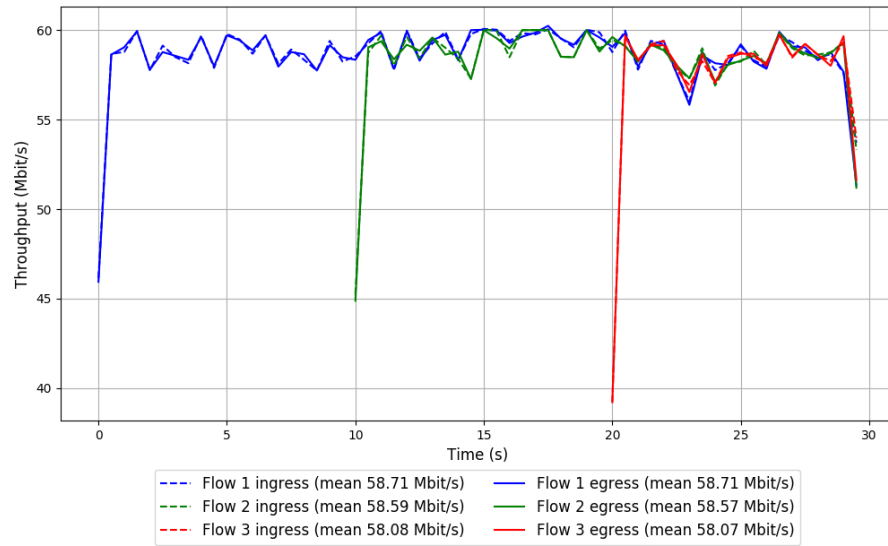
Run 5: Report of KohoCC — Data Link

```
Run 6: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 09:50:17 +0000
End at: Sat, 29 Jul 2017 09:50:47 +0000
Local clock offset: 0.405 ms
Remote clock offset: -0.425 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:19:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.79 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 1.429 ms
Loss rate: 0.21%
```
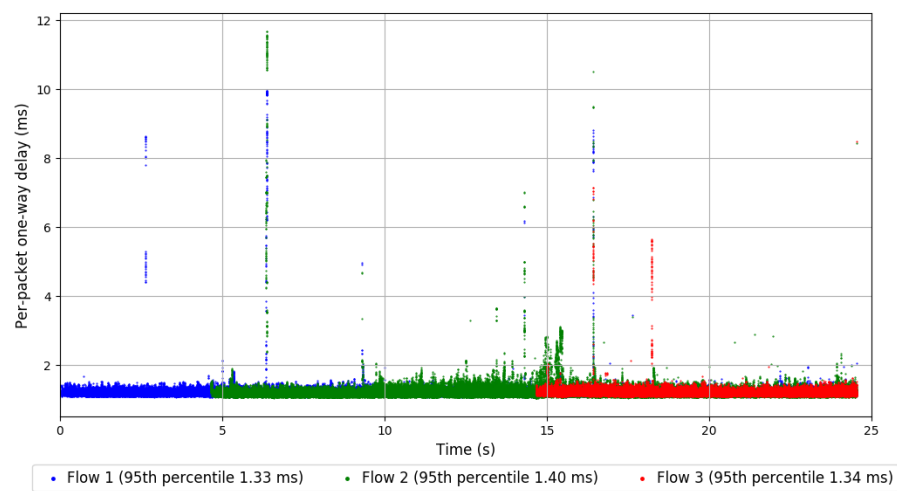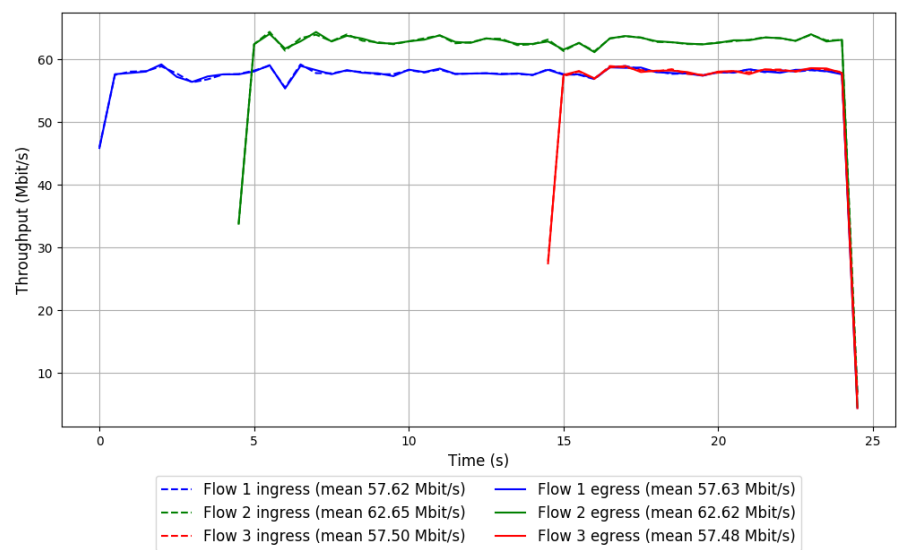
Run 6: Report of KohoCC — Data Link

```
Run 7: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 10:12:28 +0000
End at: Sat, 29 Jul 2017 10:12:58 +0000
Local clock offset: 0.404 ms
Remote clock offset: -0.348 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:19:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 131.51 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 62.62 Mbit/s
95th percentile per-packet one-way delay: 1.398 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 1.344 ms
Loss rate: 0.20%
```
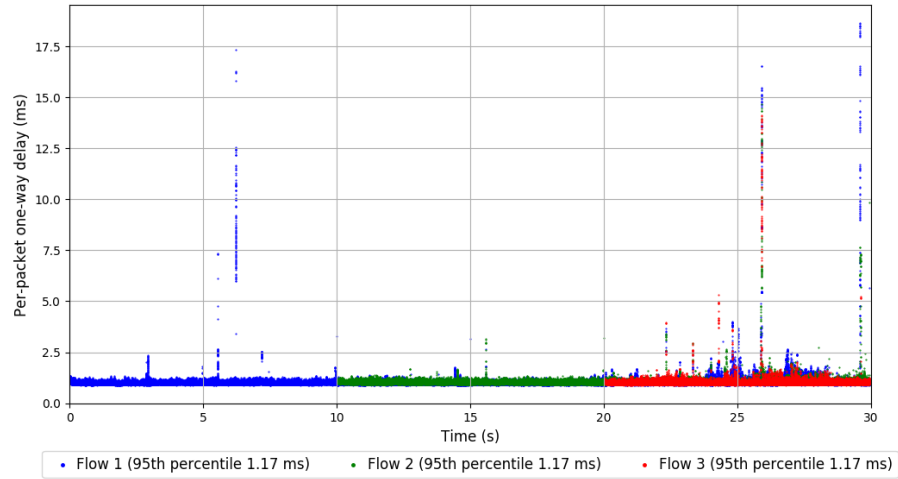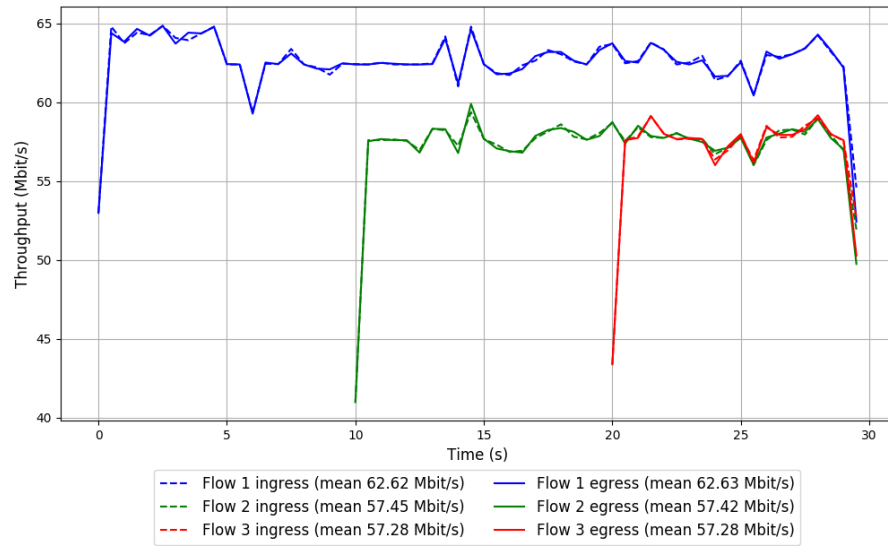
Run 7: Report of KohoCC — Data Link

- - - Flow 1 ingress (mean 57.62 Mbit/s) —— Flow 1 egress (mean 57.63 Mbit/s)
- - - Flow 2 ingress (mean 62.65 Mbit/s) —— Flow 2 egress (mean 62.62 Mbit/s)
- - - Flow 3 ingress (mean 57.50 Mbit/s) —— Flow 3 egress (mean 57.48 Mbit/s)

- Flow 1 (95th percentile 1.33 ms)   - Flow 2 (95th percentile 1.40 ms)   - Flow 3 (95th percentile 1.34 ms)

```
Run 8: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 10:34:34 +0000
End at: Sat, 29 Jul 2017 10:35:04 +0000
Local clock offset: 0.291 ms
Remote clock offset: -0.421 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:19:38 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.72 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.21%
```
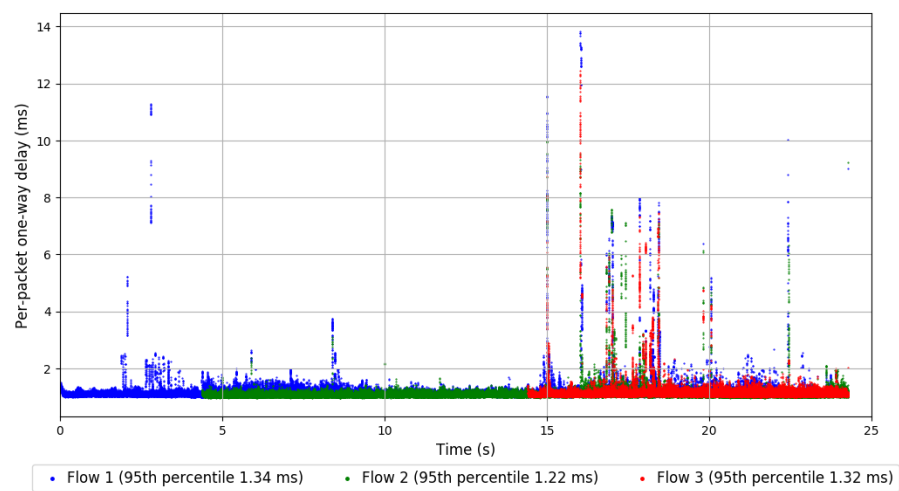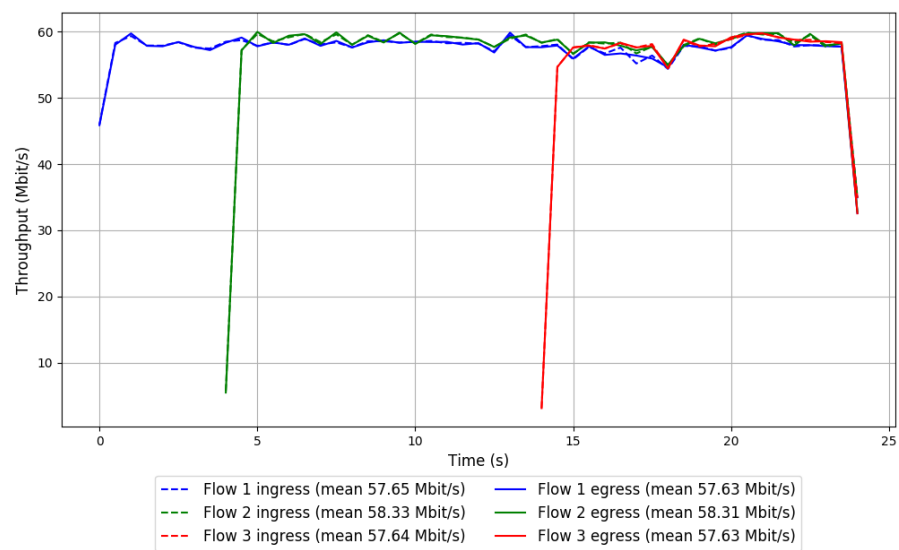
Run 8: Report of KohoCC — Data Link

```
Run 9: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 10:56:38 +0000
End at: Sat, 29 Jul 2017 10:57:08 +0000
Local clock offset: 0.342 ms
Remote clock offset: -0.695 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:19:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.85 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.21%
```
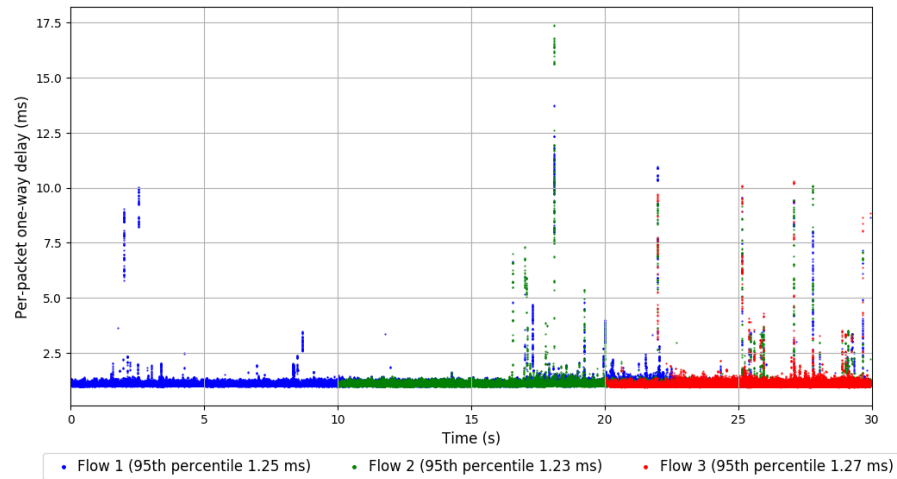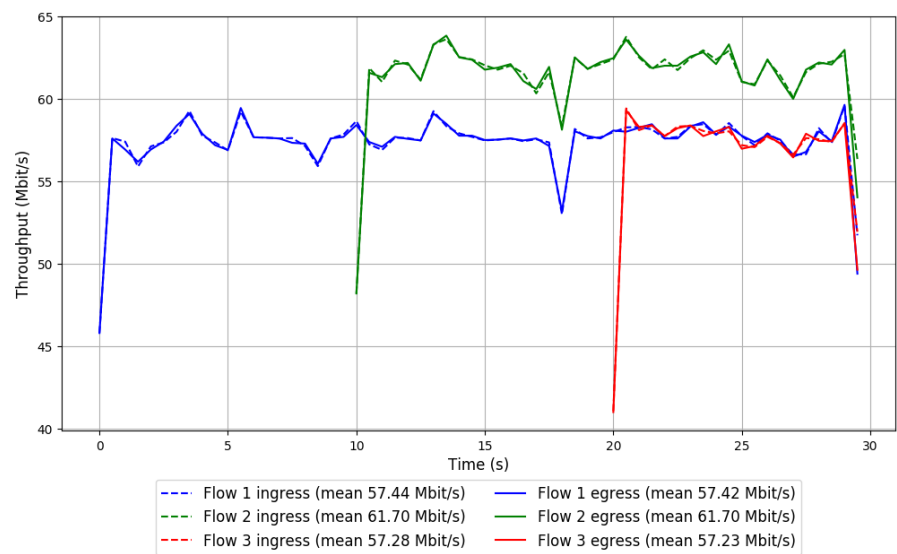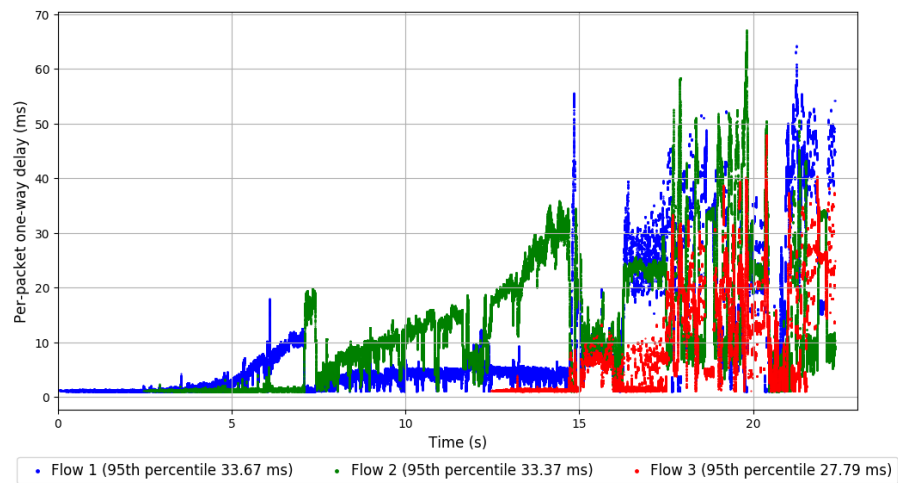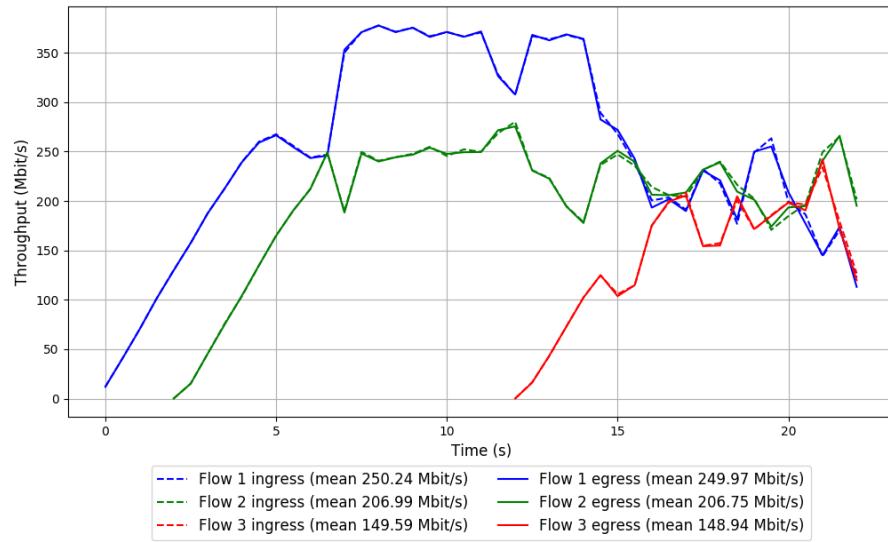
Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 57.65 Mbit/s)   Flow 1 egress (mean 57.63 Mbit/s)
Flow 2 ingress (mean 58.33 Mbit/s)   Flow 2 egress (mean 58.31 Mbit/s)
Flow 3 ingress (mean 57.64 Mbit/s)   Flow 3 egress (mean 57.63 Mbit/s)

Flow 1 (95th percentile 1.34 ms)   Flow 2 (95th percentile 1.22 ms)   Flow 3 (95th percentile 1.32 ms)

```
Run 10: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 11:18:43 +0000
End at: Sat, 29 Jul 2017 11:19:13 +0000
Local clock offset: 0.337 ms
Remote clock offset: -0.5 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:19:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.35 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.21%
```
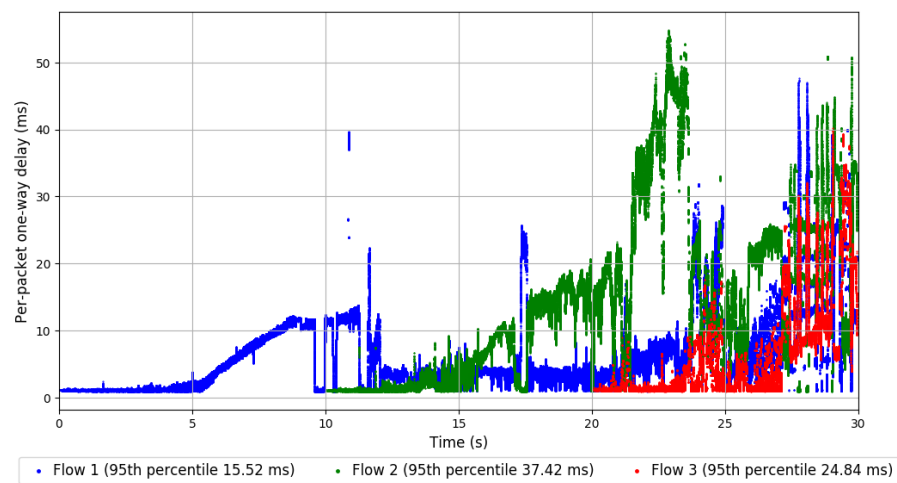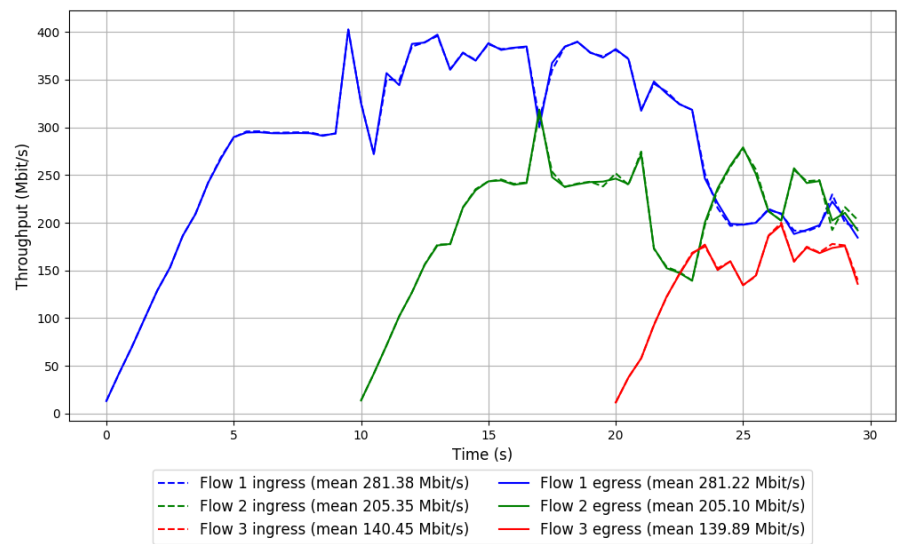
Run 10: Report of KohoCC — Data Link

```
Run 1: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 08:03:57 +0000
End at: Sat, 29 Jul 2017 08:04:27 +0000
Local clock offset: 0.669 ms
Remote clock offset: -1.161 ms
```

Run 1: Report of LEDBAT — Data Link

- - - Flow 1 ingress (mean 250.24 Mbit/s) —— Flow 1 egress (mean 249.97 Mbit/s)
- - - Flow 2 ingress (mean 206.99 Mbit/s) —— Flow 2 egress (mean 206.75 Mbit/s)
- - - Flow 3 ingress (mean 149.59 Mbit/s) —— Flow 3 egress (mean 148.94 Mbit/s)

- Flow 1 (95th percentile 33.67 ms)   • Flow 2 (95th percentile 33.37 ms)   • Flow 3 (95th percentile 27.79 ms)

```
Run 2: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 08:25:48 +0000
End at: Sat, 29 Jul 2017 08:26:18 +0000
Local clock offset: 0.416 ms
Remote clock offset: -0.991 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:20:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 464.01 Mbit/s
95th percentile per-packet one-way delay: 25.400 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 281.22 Mbit/s
95th percentile per-packet one-way delay: 15.524 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 205.10 Mbit/s
95th percentile per-packet one-way delay: 37.420 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 139.89 Mbit/s
95th percentile per-packet one-way delay: 24.843 ms
Loss rate: 0.48%
```
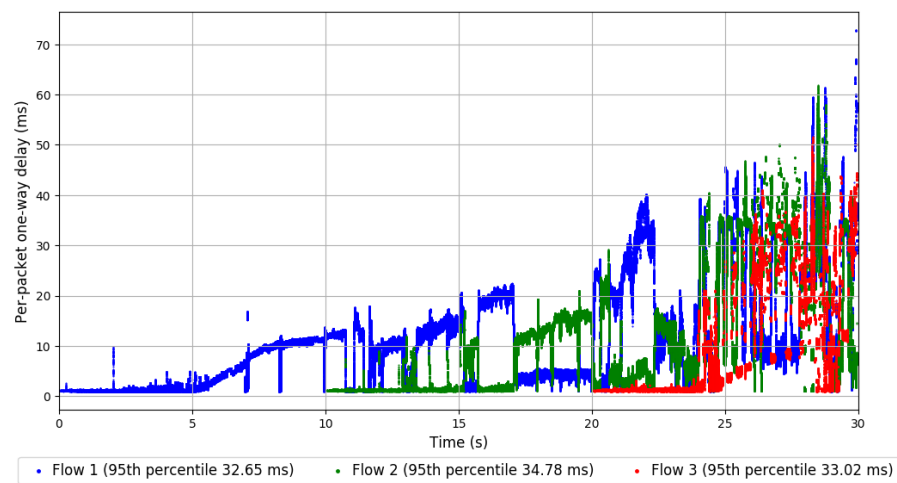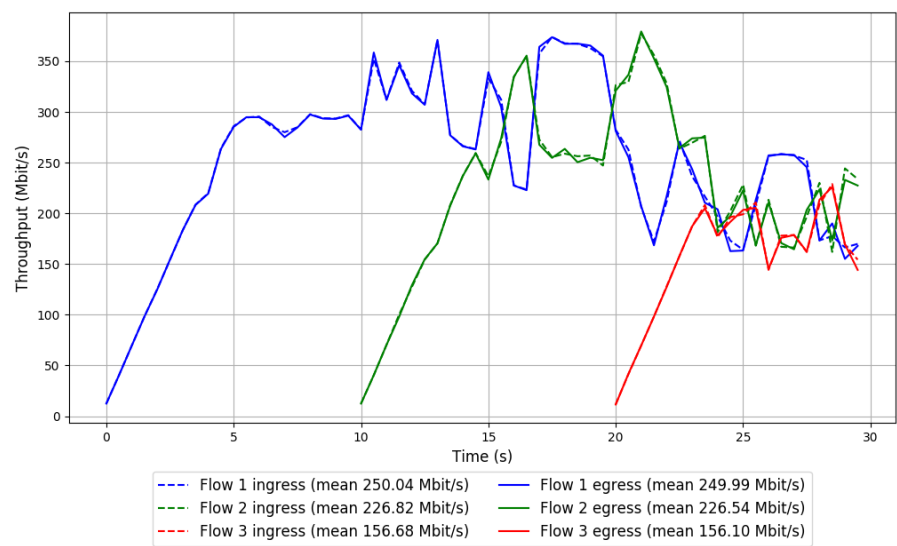
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 08:48:10 +0000
End at: Sat, 29 Jul 2017 08:48:40 +0000
Local clock offset: 0.374 ms
Remote clock offset: -0.636 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:21:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.34 Mbit/s
95th percentile per-packet one-way delay: 33.758 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 249.99 Mbit/s
95th percentile per-packet one-way delay: 32.649 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 226.54 Mbit/s
95th percentile per-packet one-way delay: 34.784 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 156.10 Mbit/s
95th percentile per-packet one-way delay: 33.022 ms
Loss rate: 0.52%
```
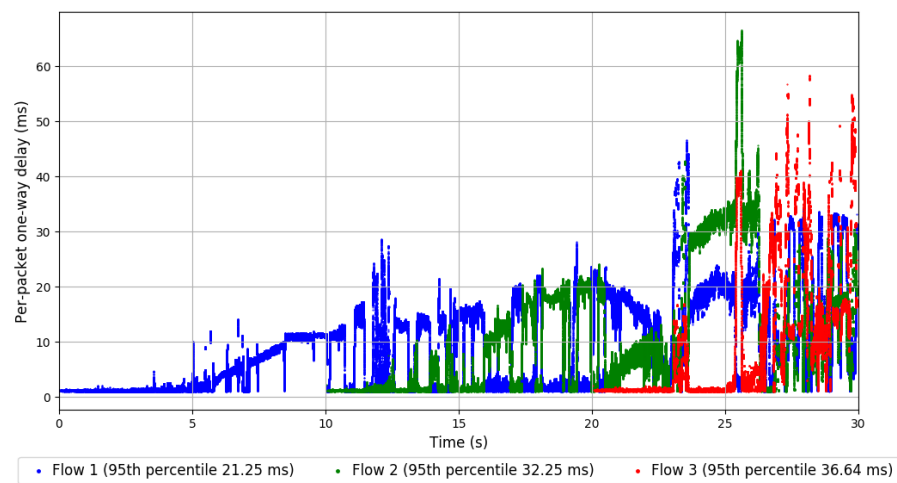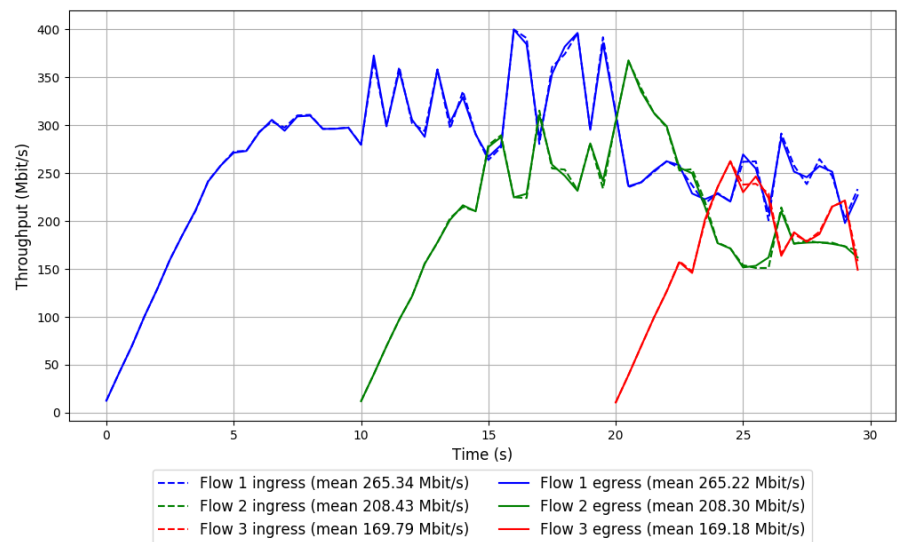
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 250.04 Mbit/s) — — — Flow 1 egress (mean 249.99 Mbit/s)
Flow 2 ingress (mean 226.82 Mbit/s) — — — Flow 2 egress (mean 226.54 Mbit/s)
Flow 3 ingress (mean 156.68 Mbit/s) — — — Flow 3 egress (mean 156.10 Mbit/s)

Flow 1 (95th percentile 32.65 ms)   Flow 2 (95th percentile 34.78 ms)   Flow 3 (95th percentile 33.02 ms)

```
Run 4: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 09:10:22 +0000
End at: Sat, 29 Jul 2017 09:10:52 +0000
Local clock offset: 0.407 ms
Remote clock offset: -0.516 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:21:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.65 Mbit/s
95th percentile per-packet one-way delay: 29.479 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 265.22 Mbit/s
95th percentile per-packet one-way delay: 21.248 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 208.30 Mbit/s
95th percentile per-packet one-way delay: 32.247 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 169.18 Mbit/s
95th percentile per-packet one-way delay: 36.642 ms
Loss rate: 0.50%
```
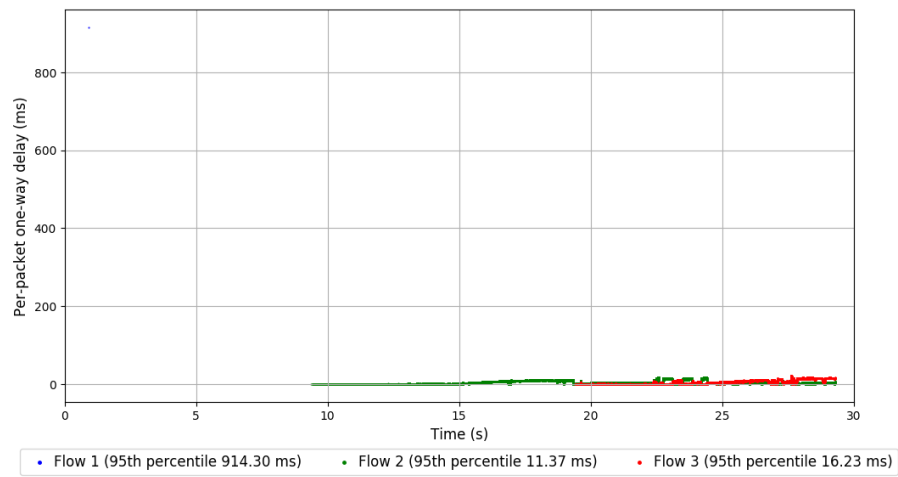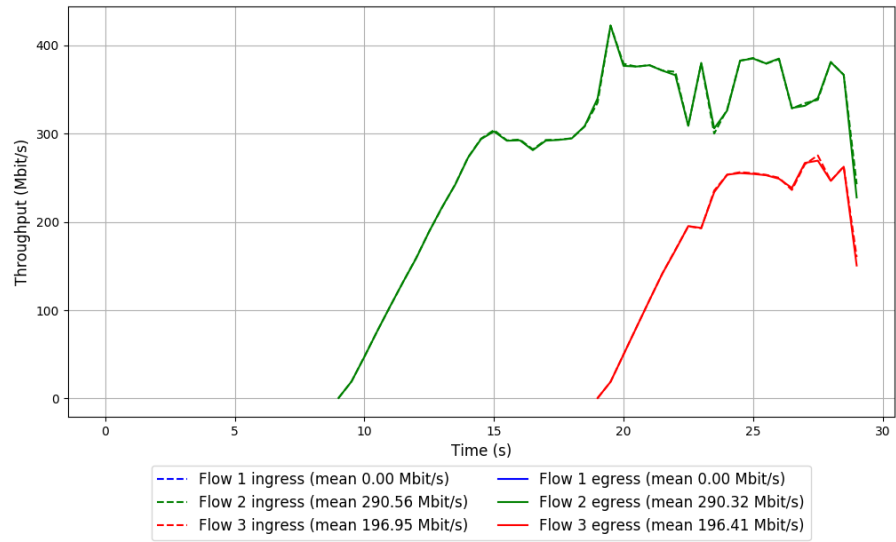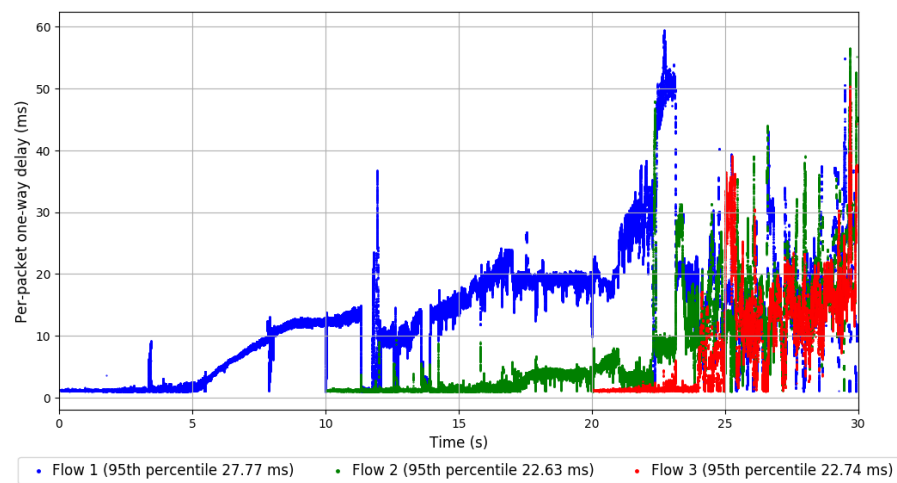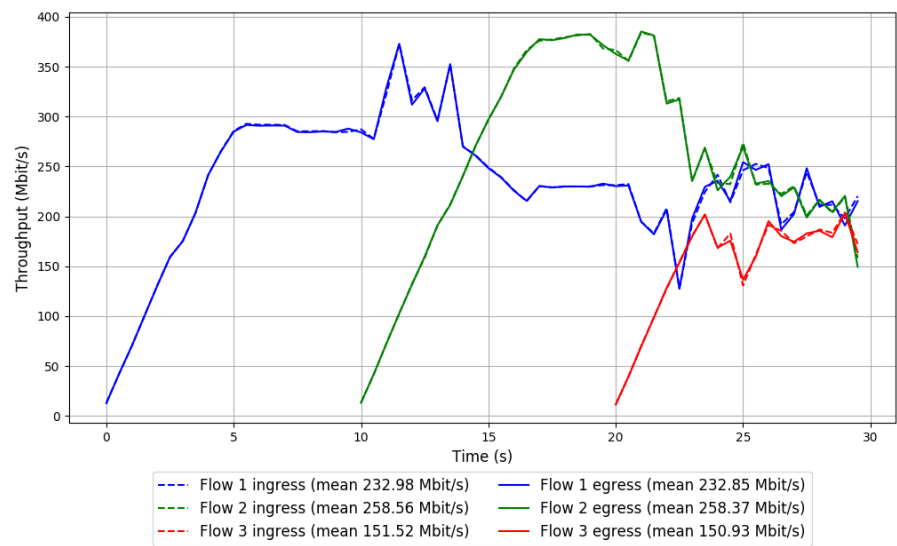
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 265.34 Mbit/s)   Flow 1 egress (mean 265.22 Mbit/s)
Flow 2 ingress (mean 208.43 Mbit/s)   Flow 2 egress (mean 208.30 Mbit/s)
Flow 3 ingress (mean 169.79 Mbit/s)   Flow 3 egress (mean 169.18 Mbit/s)

Flow 1 (95th percentile 21.25 ms)   Flow 2 (95th percentile 32.25 ms)   Flow 3 (95th percentile 36.64 ms)

```
Run 5: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 09:32:41 +0000
End at: Sat, 29 Jul 2017 09:33:11 +0000
Local clock offset: 0.406 ms
Remote clock offset: -0.39 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:22:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 272.39 Mbit/s
95th percentile per-packet one-way delay: 14.683 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 914.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 290.32 Mbit/s
95th percentile per-packet one-way delay: 11.369 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 196.41 Mbit/s
95th percentile per-packet one-way delay: 16.227 ms
Loss rate: 0.45%
```
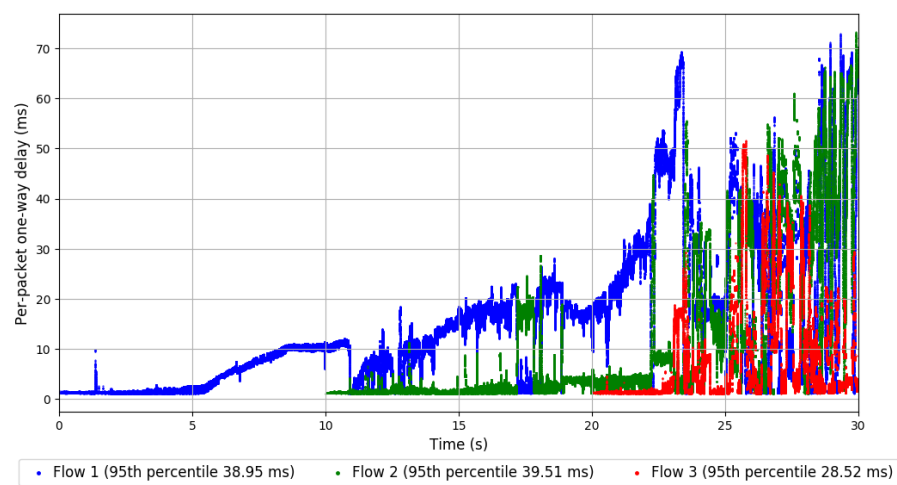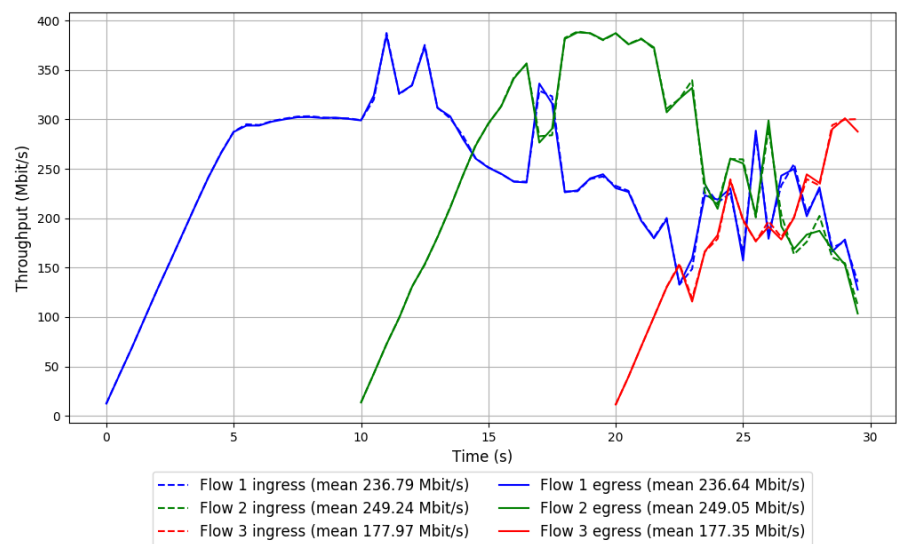
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 09:54:35 +0000
End at: Sat, 29 Jul 2017 09:55:05 +0000
Local clock offset: 0.405 ms
Remote clock offset: -0.51 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:22:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 454.64 Mbit/s
95th percentile per-packet one-way delay: 25.914 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 232.85 Mbit/s
95th percentile per-packet one-way delay: 27.775 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 258.37 Mbit/s
95th percentile per-packet one-way delay: 22.630 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 22.742 ms
Loss rate: 0.53%
```
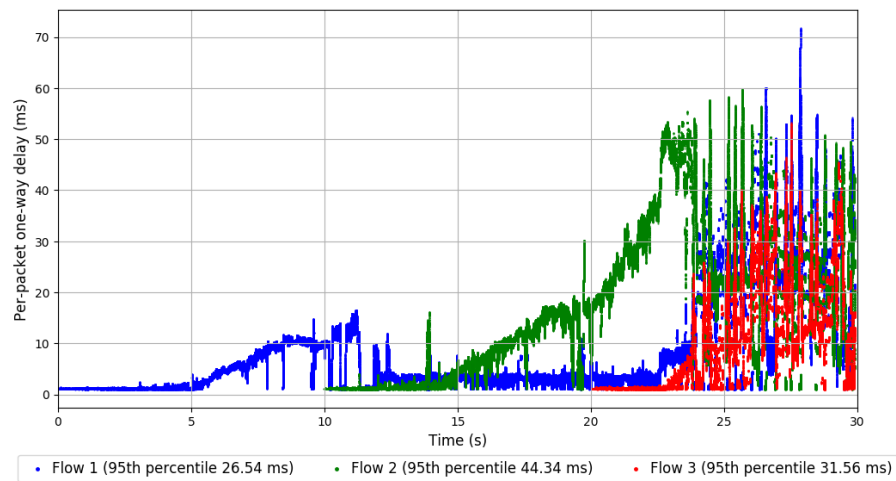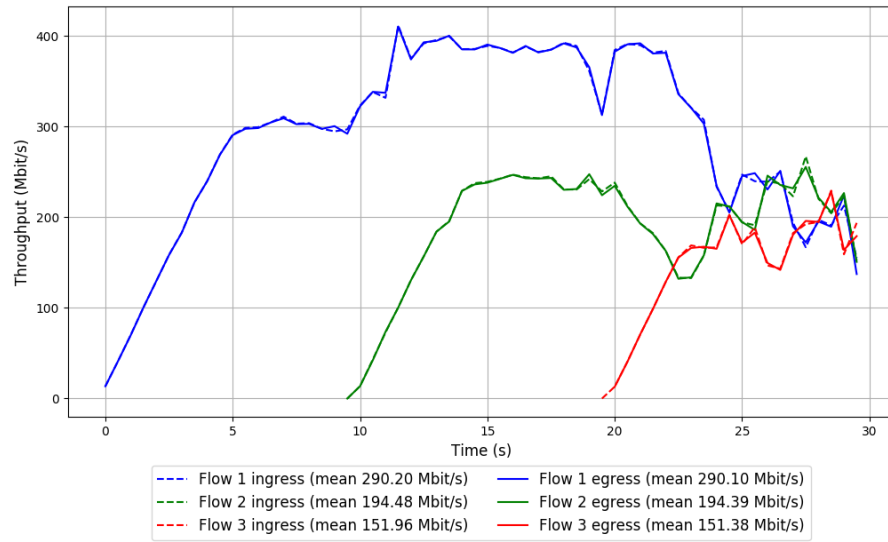
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 232.98 Mbit/s)   Flow 1 egress (mean 232.85 Mbit/s)
Flow 2 ingress (mean 258.56 Mbit/s)   Flow 2 egress (mean 258.37 Mbit/s)
Flow 3 ingress (mean 151.52 Mbit/s)   Flow 3 egress (mean 150.93 Mbit/s)

Flow 1 (95th percentile 27.77 ms)   Flow 2 (95th percentile 22.63 ms)   Flow 3 (95th percentile 22.74 ms)

```
Run 7: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 10:16:49 +0000
End at: Sat, 29 Jul 2017 10:17:19 +0000
Local clock offset: 0.441 ms
Remote clock offset: -0.336 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:23:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.03 Mbit/s
95th percentile per-packet one-way delay: 37.493 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 236.64 Mbit/s
95th percentile per-packet one-way delay: 38.954 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 249.05 Mbit/s
95th percentile per-packet one-way delay: 39.505 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 177.35 Mbit/s
95th percentile per-packet one-way delay: 28.516 ms
Loss rate: 0.49%
```
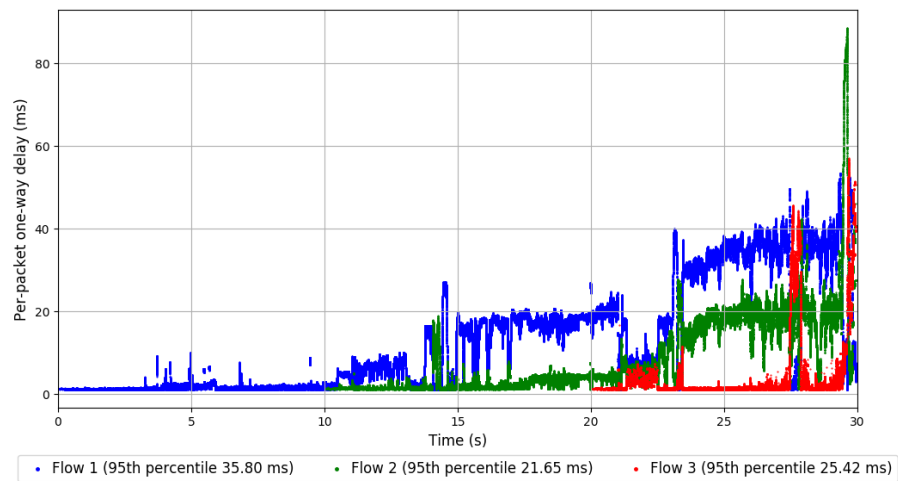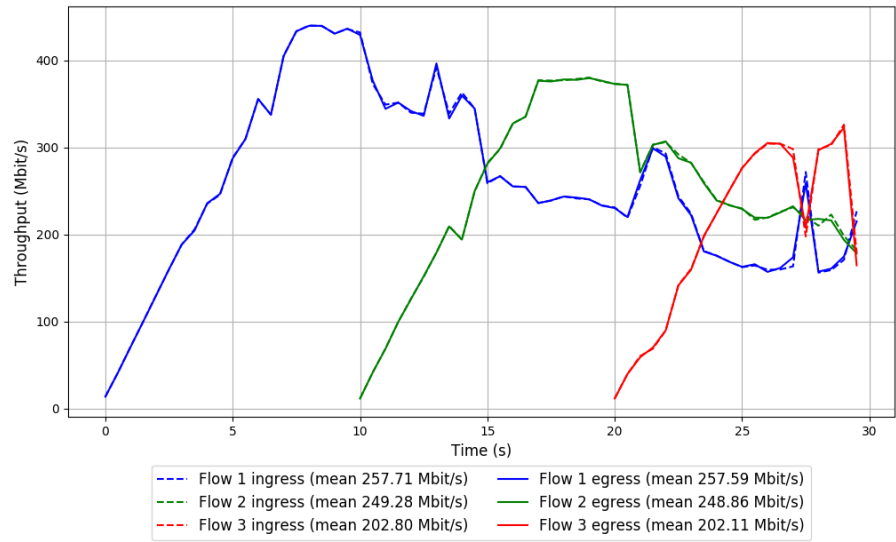
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 236.79 Mbit/s) --- Flow 1 egress (mean 236.64 Mbit/s) ---
Flow 2 ingress (mean 249.24 Mbit/s) --- Flow 2 egress (mean 249.05 Mbit/s) ---
Flow 3 ingress (mean 177.97 Mbit/s) --- Flow 3 egress (mean 177.35 Mbit/s) ---

Flow 1 (95th percentile 38.95 ms) Flow 2 (95th percentile 39.51 ms) Flow 3 (95th percentile 28.52 ms)

```
Run 8: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 10:38:54 +0000
End at: Sat, 29 Jul 2017 10:39:24 +0000
Local clock offset: 0.357 ms
Remote clock offset: -0.568 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:23:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.71 Mbit/s
95th percentile per-packet one-way delay: 32.424 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 290.10 Mbit/s
95th percentile per-packet one-way delay: 26.535 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 194.39 Mbit/s
95th percentile per-packet one-way delay: 44.335 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 151.38 Mbit/s
95th percentile per-packet one-way delay: 31.559 ms
Loss rate: 0.53%
```
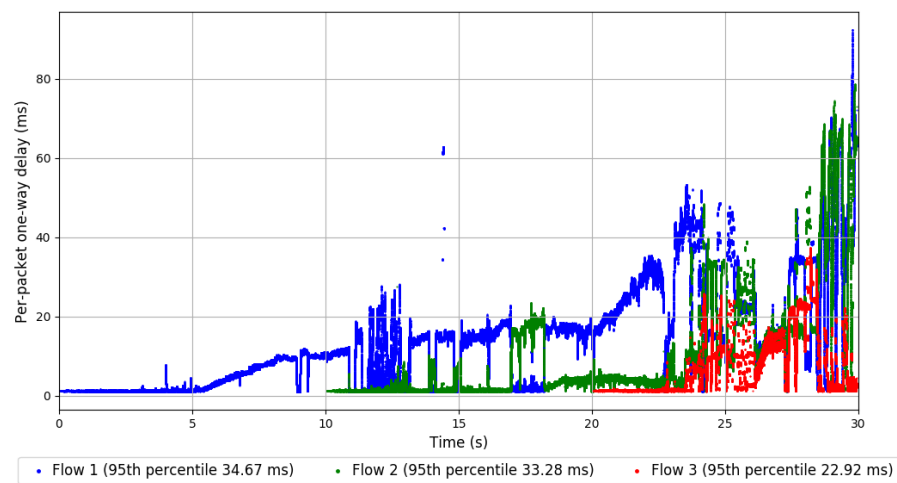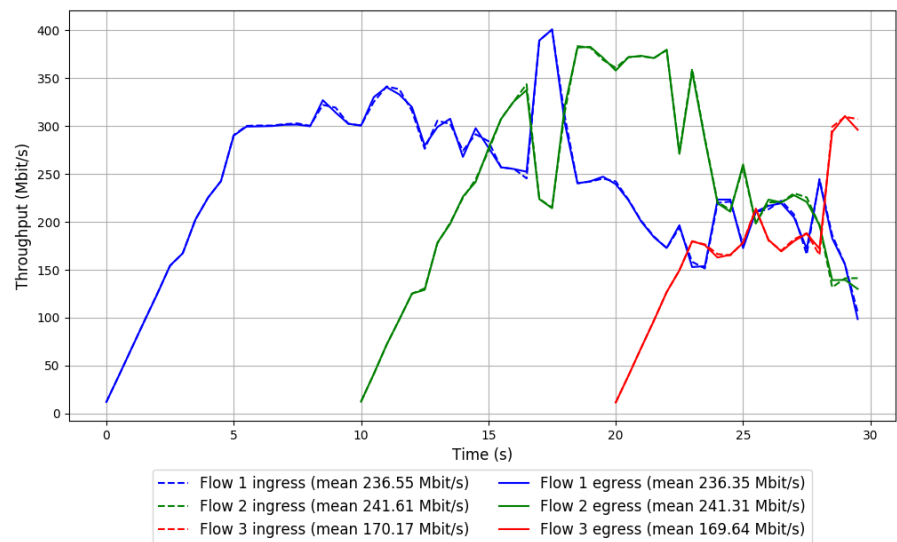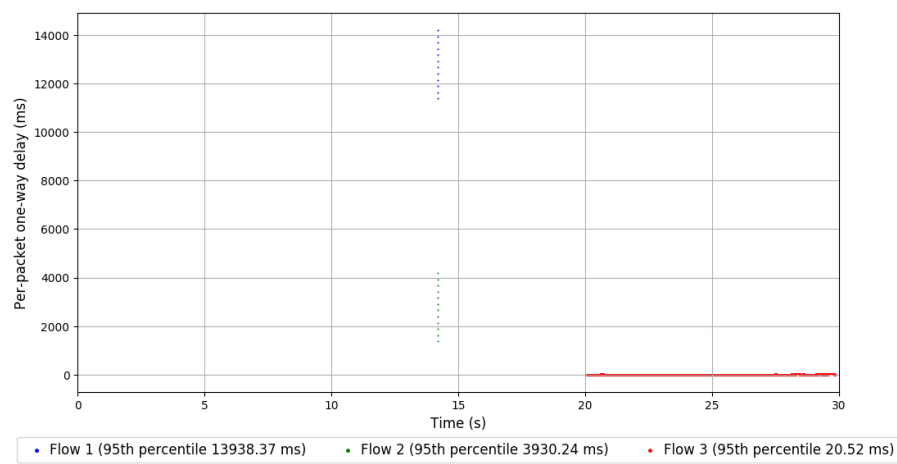
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 290.20 Mbit/s)   Flow 1 egress (mean 290.10 Mbit/s)
Flow 2 ingress (mean 194.48 Mbit/s)   Flow 2 egress (mean 194.39 Mbit/s)
Flow 3 ingress (mean 151.96 Mbit/s)   Flow 3 egress (mean 151.38 Mbit/s)

Flow 1 (95th percentile 26.54 ms)   Flow 2 (95th percentile 44.34 ms)   Flow 3 (95th percentile 31.56 ms)
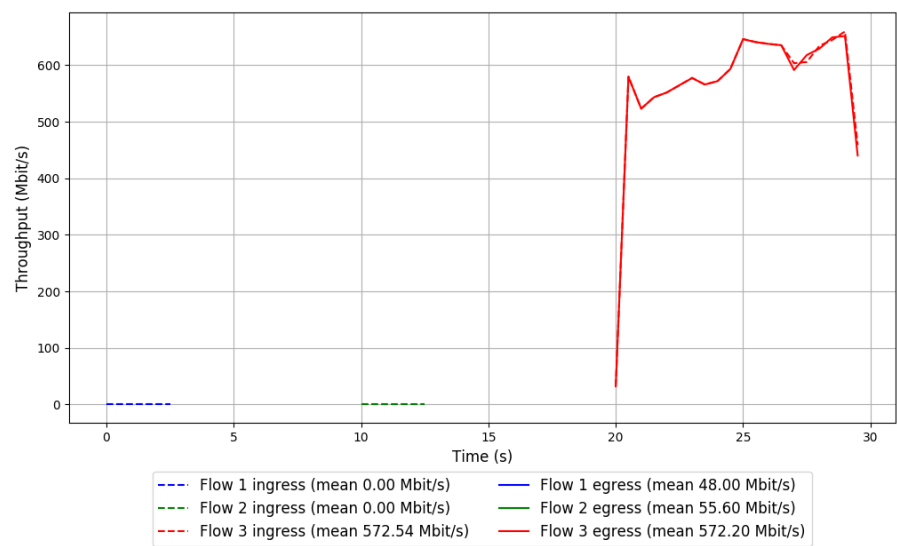
```
Run 9: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 11:00:56 +0000
End at: Sat, 29 Jul 2017 11:01:26 +0000
Local clock offset: 0.435 ms
Remote clock offset: -0.654 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:24:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.84 Mbit/s
95th percentile per-packet one-way delay: 33.198 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 257.59 Mbit/s
95th percentile per-packet one-way delay: 35.795 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 248.86 Mbit/s
95th percentile per-packet one-way delay: 21.650 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 202.11 Mbit/s
95th percentile per-packet one-way delay: 25.422 ms
Loss rate: 0.44%
```
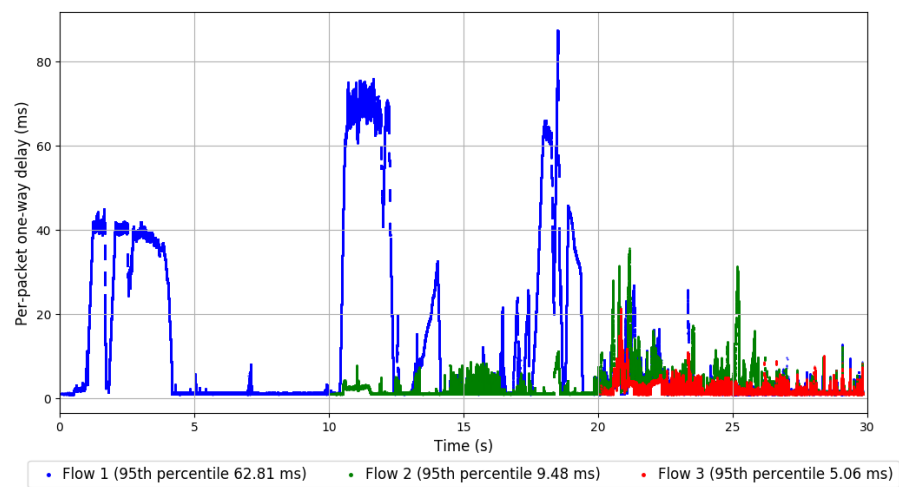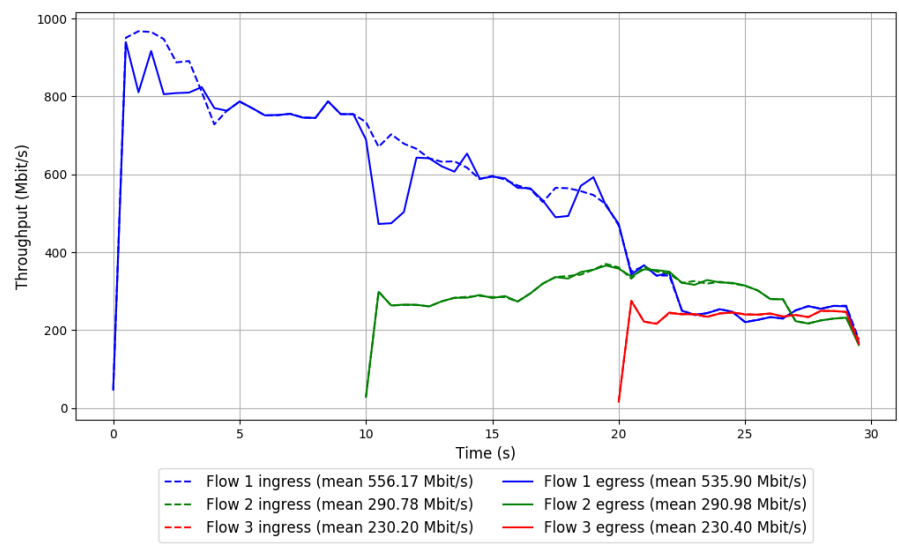
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 11:23:04 +0000
End at: Sat, 29 Jul 2017 11:23:34 +0000
Local clock offset: 0.447 ms
Remote clock offset: -0.616 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:24:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.98 Mbit/s
95th percentile per-packet one-way delay: 33.477 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 236.35 Mbit/s
95th percentile per-packet one-way delay: 34.675 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 241.31 Mbit/s
95th percentile per-packet one-way delay: 33.284 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 169.64 Mbit/s
95th percentile per-packet one-way delay: 22.917 ms
Loss rate: 0.51%
```
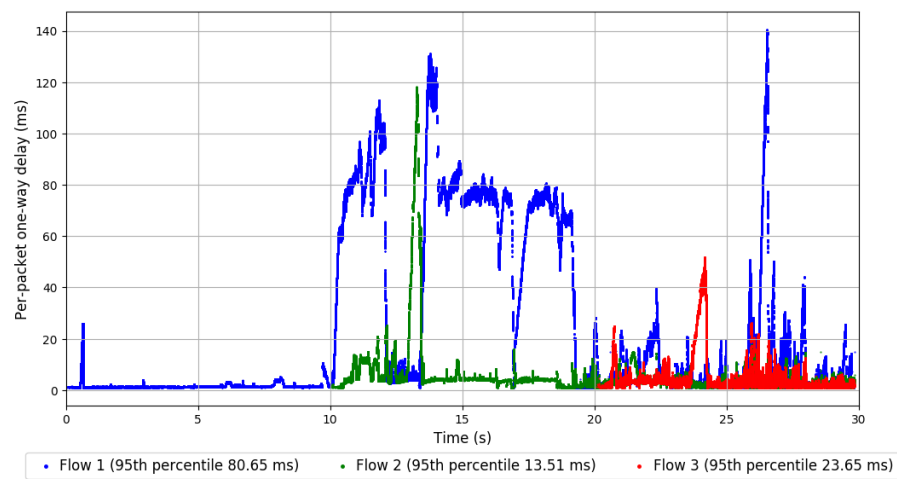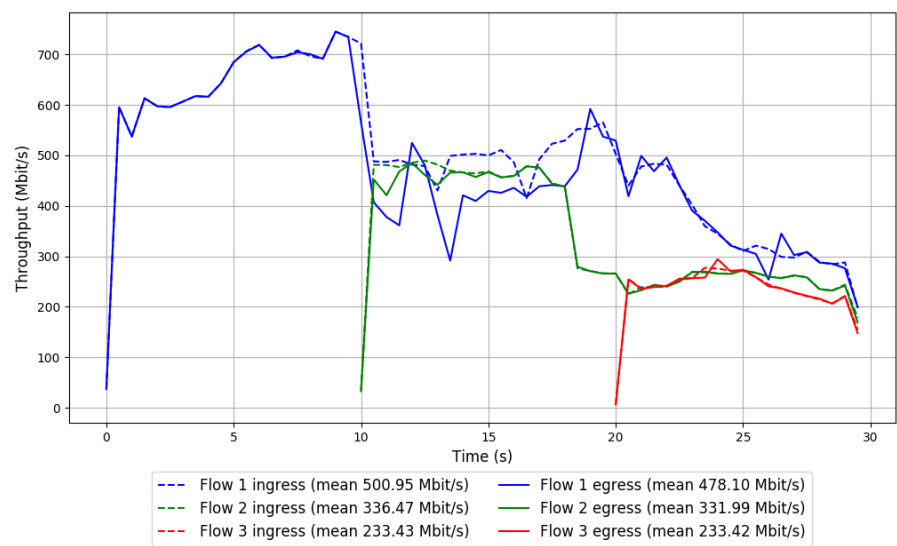
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 236.55 Mbit/s) --- Flow 1 egress (mean 236.35 Mbit/s)
Flow 2 ingress (mean 241.61 Mbit/s) --- Flow 2 egress (mean 241.31 Mbit/s)
Flow 3 ingress (mean 170.17 Mbit/s) --- Flow 3 egress (mean 169.64 Mbit/s)

Flow 1 (95th percentile 34.67 ms)   Flow 2 (95th percentile 33.28 ms)   Flow 3 (95th percentile 22.92 ms)

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```
Run 1: Statistics of PCC

Start at: Sat, 29 Jul 2017 08:05:32 +0000
End at: Sat, 29 Jul 2017 08:06:02 +0000
Local clock offset: 0.615 ms
Remote clock offset: -1.124 ms
```

Run 1: Report of PCC — Data Link

- - - Flow 1 ingress (mean 0.00 Mbit/s) —— Flow 1 egress (mean 48.00 Mbit/s)
- - - Flow 2 ingress (mean 0.00 Mbit/s) —— Flow 2 egress (mean 55.60 Mbit/s)
- - - Flow 3 ingress (mean 572.54 Mbit/s) —— Flow 3 egress (mean 572.20 Mbit/s)

- Flow 1 (95th percentile 13938.37 ms)   - Flow 2 (95th percentile 3930.24 ms)   - Flow 3 (95th percentile 20.52 ms)

```
Run 2: Statistics of PCC

Start at: Sat, 29 Jul 2017 08:27:29 +0000
End at: Sat, 29 Jul 2017 08:27:59 +0000
Local clock offset: 0.419 ms
Remote clock offset: -0.972 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:26:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 804.88 Mbit/s
95th percentile per-packet one-way delay: 43.635 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 535.90 Mbit/s
95th percentile per-packet one-way delay: 62.807 ms
Loss rate: 3.71%
-- Flow 2:
Average throughput: 290.98 Mbit/s
95th percentile per-packet one-way delay: 9.478 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 230.40 Mbit/s
95th percentile per-packet one-way delay: 5.059 ms
Loss rate: 0.22%
```
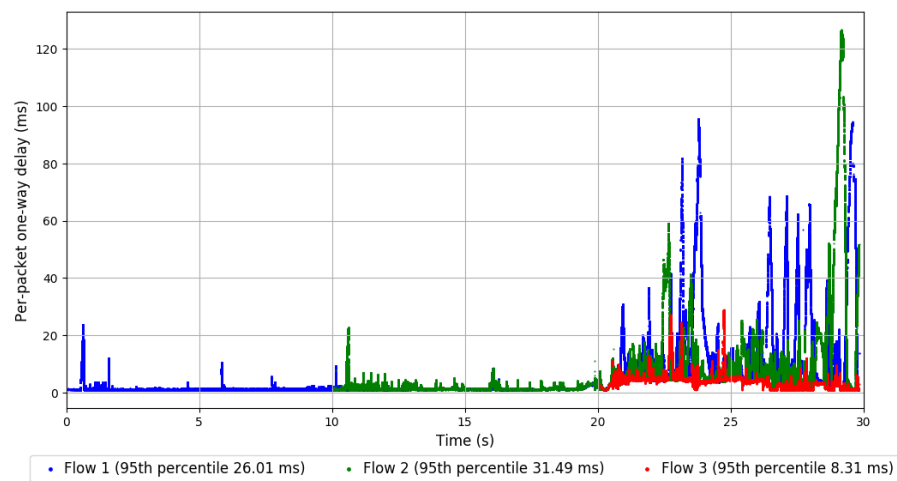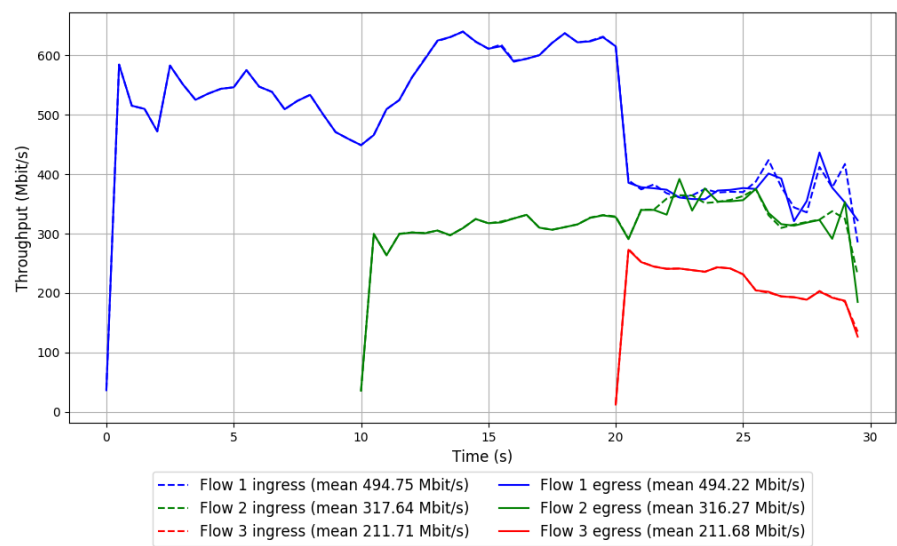
Run 2: Report of PCC — Data Link

```
Run 3: Statistics of PCC

Start at: Sat, 29 Jul 2017 08:49:50 +0000
End at: Sat, 29 Jul 2017 08:50:20 +0000
Local clock offset: 0.463 ms
Remote clock offset: -0.601 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:26:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 775.08 Mbit/s
95th percentile per-packet one-way delay: 77.405 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 478.10 Mbit/s
95th percentile per-packet one-way delay: 80.649 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 331.99 Mbit/s
95th percentile per-packet one-way delay: 13.507 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 233.42 Mbit/s
95th percentile per-packet one-way delay: 23.654 ms
Loss rate: 0.18%
```
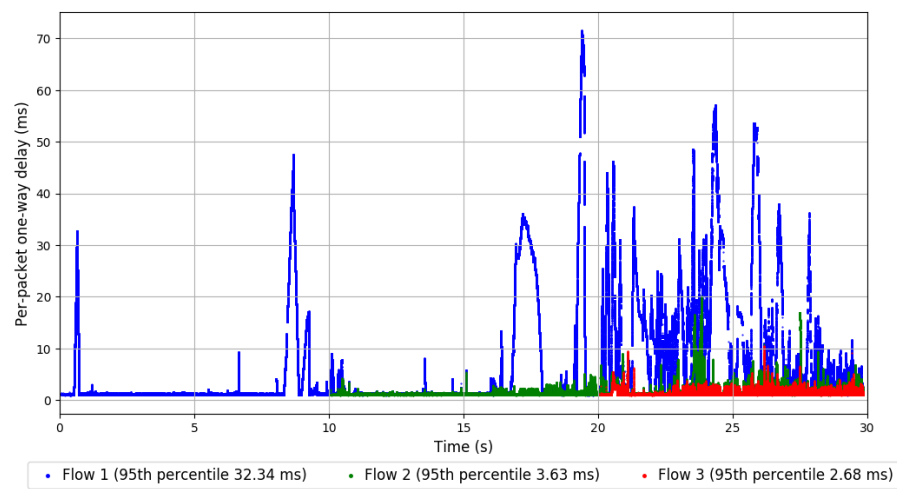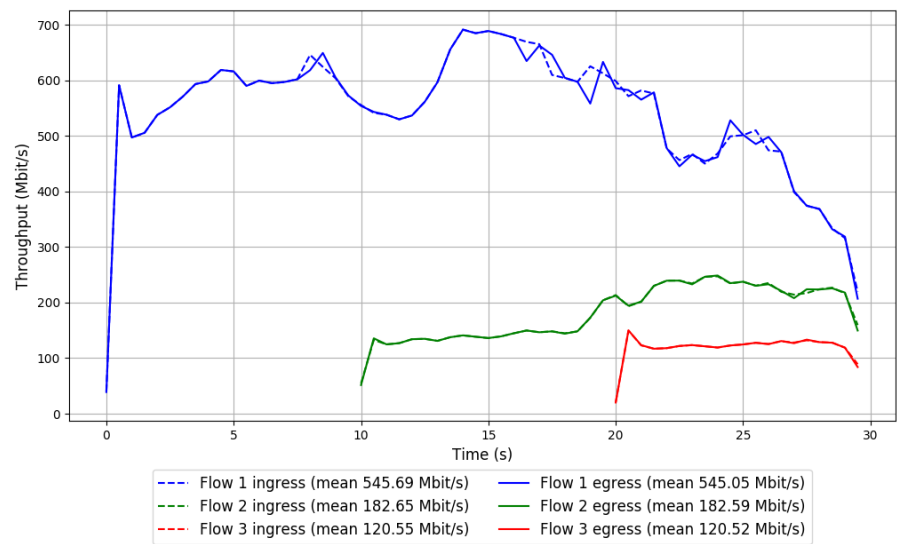
Run 3: Report of PCC — Data Link

129

```
Run 4: Statistics of PCC

Start at: Sat, 29 Jul 2017 09:12:03 +0000
End at: Sat, 29 Jul 2017 09:12:33 +0000
Local clock offset: 0.435 ms
Remote clock offset: -0.553 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:28:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 734.93 Mbit/s
95th percentile per-packet one-way delay: 42.548 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 558.56 Mbit/s
95th percentile per-packet one-way delay: 45.112 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 155.89 Mbit/s
95th percentile per-packet one-way delay: 3.225 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 221.77 Mbit/s
95th percentile per-packet one-way delay: 6.417 ms
Loss rate: 0.24%
```
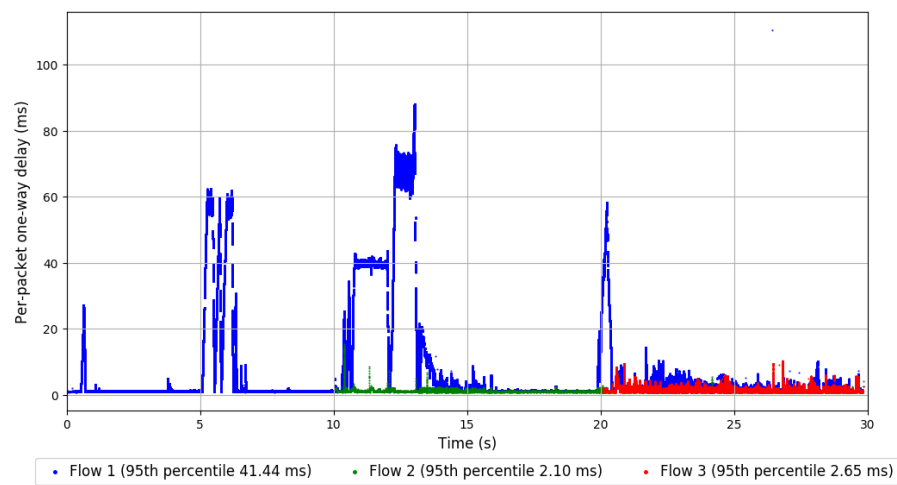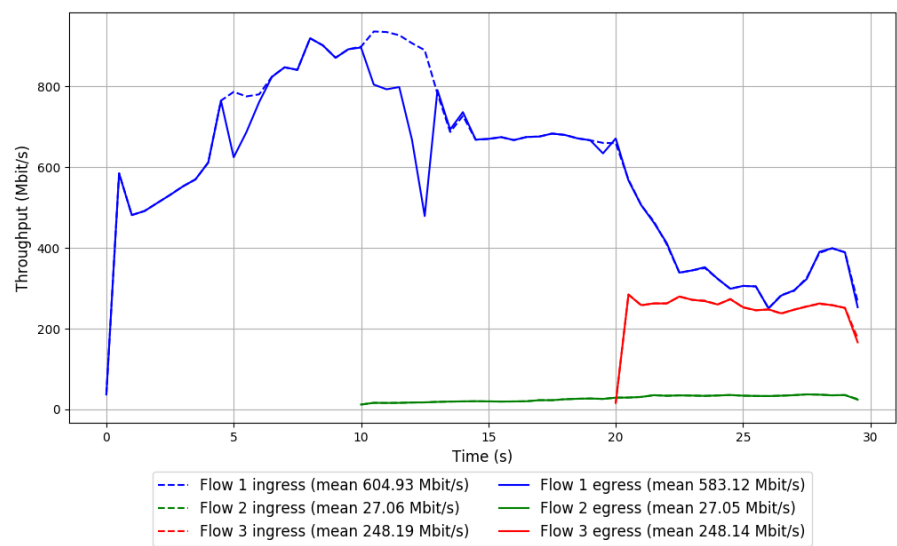
Run 4: Report of PCC — Data Link

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```
Run 5: Statistics of PCC

Start at: Sat, 29 Jul 2017 09:34:09 +0000
End at: Sat, 29 Jul 2017 09:34:39 +0000
Local clock offset: 0.392 ms
Remote clock offset: -0.459 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:28:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 773.79 Mbit/s
95th percentile per-packet one-way delay: 24.602 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 494.22 Mbit/s
95th percentile per-packet one-way delay: 26.013 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 316.27 Mbit/s
95th percentile per-packet one-way delay: 31.486 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 211.68 Mbit/s
95th percentile per-packet one-way delay: 8.307 ms
Loss rate: 0.23%
```
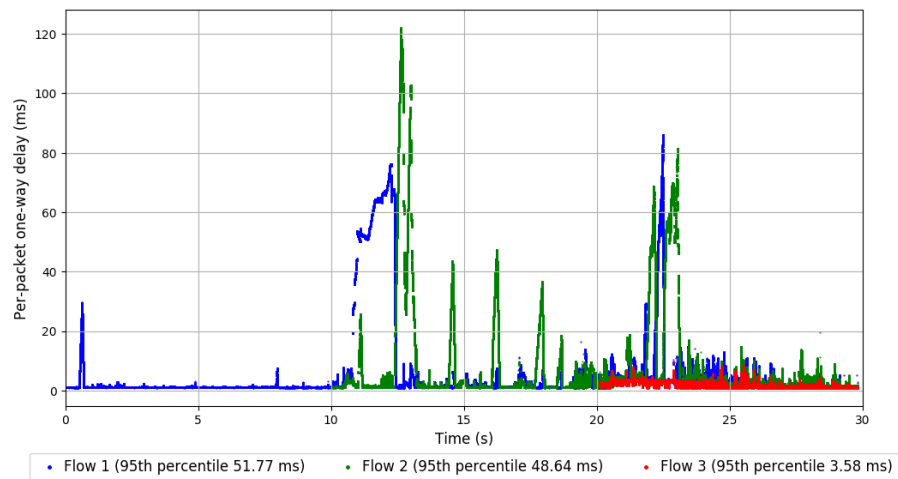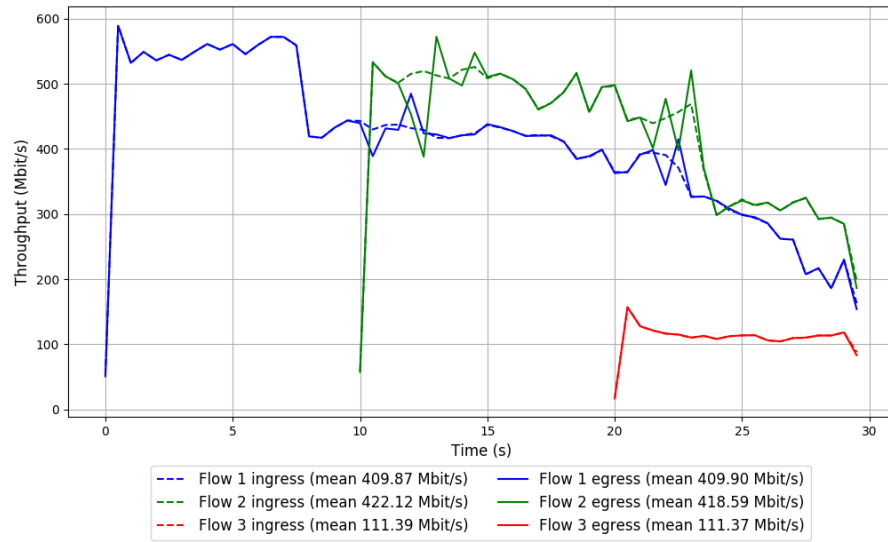
Run 5: Report of PCC — Data Link

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```
Run 6: Statistics of PCC

Start at: Sat, 29 Jul 2017 09:56:16 +0000
End at: Sat, 29 Jul 2017 09:56:46 +0000
Local clock offset: 0.317 ms
Remote clock offset: -0.5 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:29:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 705.99 Mbit/s
95th percentile per-packet one-way delay: 30.192 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 545.05 Mbit/s
95th percentile per-packet one-way delay: 32.339 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 182.59 Mbit/s
95th percentile per-packet one-way delay: 3.632 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 120.52 Mbit/s
95th percentile per-packet one-way delay: 2.680 ms
Loss rate: 0.23%
```
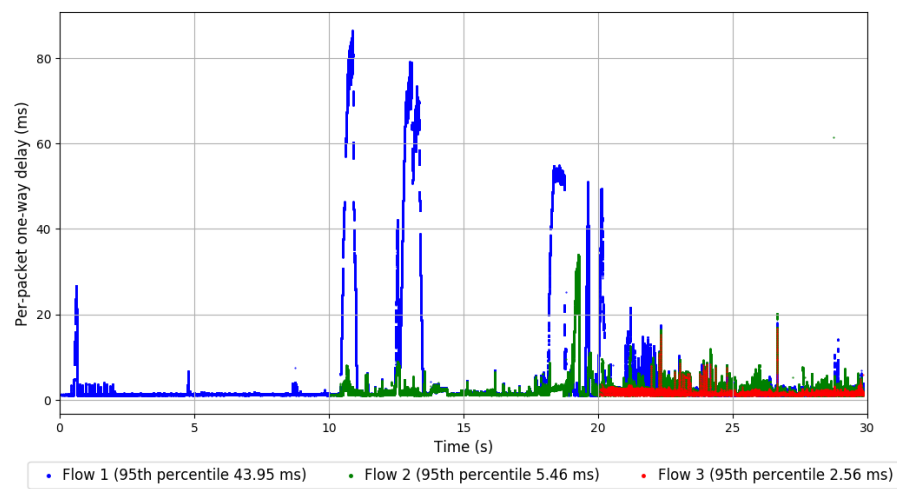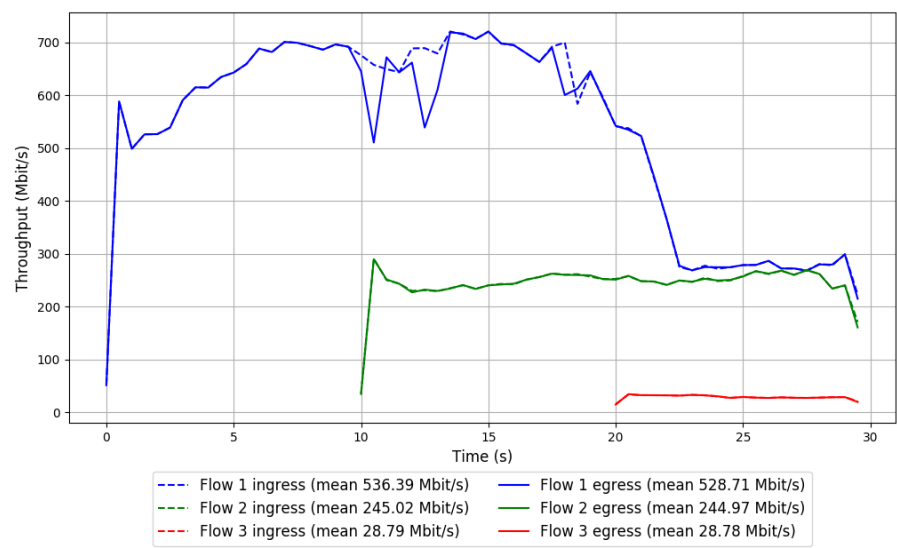
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 545.69 Mbit/s) ---- Flow 1 egress (mean 545.05 Mbit/s) ——
Flow 2 ingress (mean 182.65 Mbit/s) ---- Flow 2 egress (mean 182.59 Mbit/s) ——
Flow 3 ingress (mean 120.55 Mbit/s) ---- Flow 3 egress (mean 120.52 Mbit/s) ——

Flow 1 (95th percentile 32.34 ms)   Flow 2 (95th percentile 3.63 ms)   Flow 3 (95th percentile 2.68 ms)

135

```
Run 7: Statistics of PCC

Start at: Sat, 29 Jul 2017 10:18:30 +0000
End at: Sat, 29 Jul 2017 10:19:00 +0000
Local clock offset: 0.306 ms
Remote clock offset: -0.218 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:29:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 682.51 Mbit/s
95th percentile per-packet one-way delay: 40.620 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 583.12 Mbit/s
95th percentile per-packet one-way delay: 41.444 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 27.05 Mbit/s
95th percentile per-packet one-way delay: 2.096 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 248.14 Mbit/s
95th percentile per-packet one-way delay: 2.645 ms
Loss rate: 0.23%
```
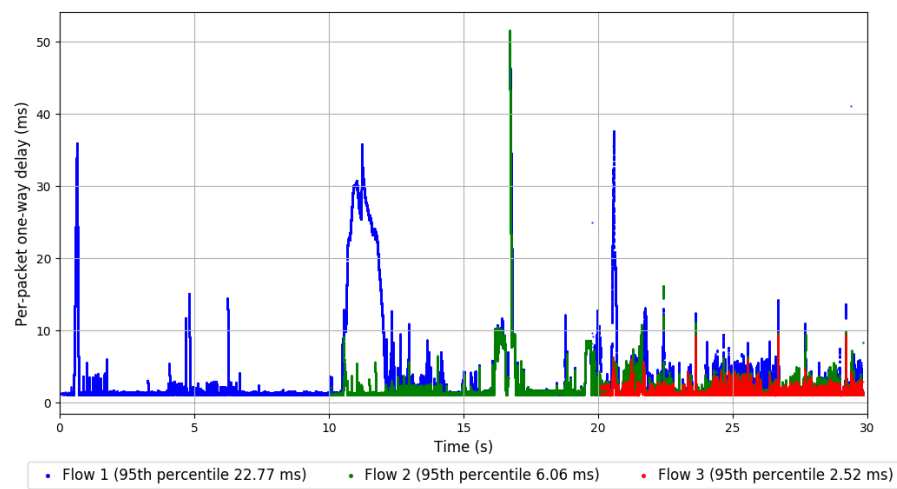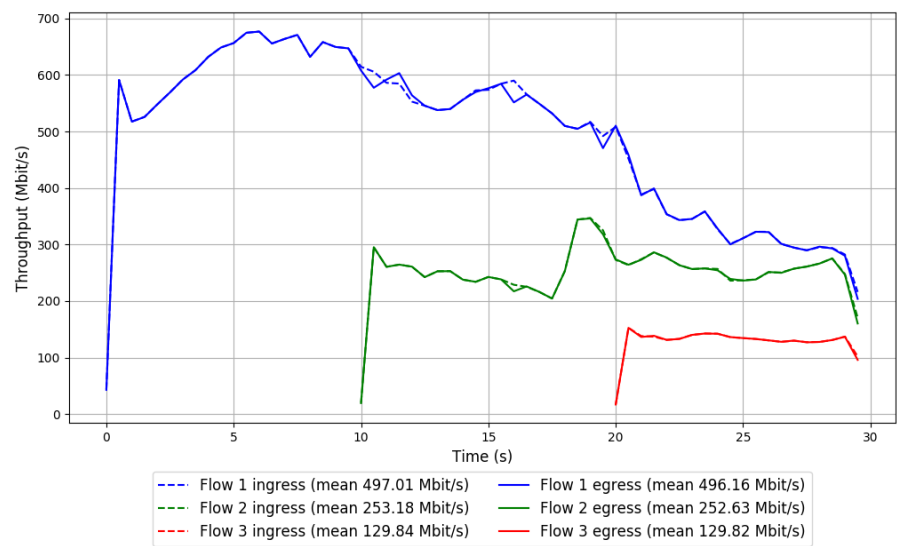
Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: Sat, 29 Jul 2017 10:40:36 +0000
End at: Sat, 29 Jul 2017 10:41:06 +0000
Local clock offset: 0.282 ms
Remote clock offset: -0.631 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:30:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 724.73 Mbit/s
95th percentile per-packet one-way delay: 50.446 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 409.90 Mbit/s
95th percentile per-packet one-way delay: 51.765 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 418.59 Mbit/s
95th percentile per-packet one-way delay: 48.642 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 111.37 Mbit/s
95th percentile per-packet one-way delay: 3.583 ms
Loss rate: 0.23%
```
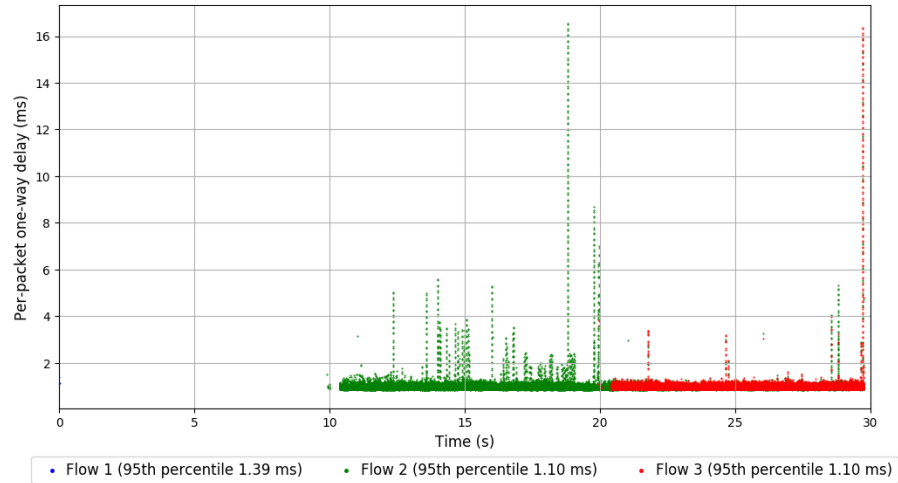
Run 8: Report of PCC — Data Link

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```
Run 9: Statistics of PCC

Start at: Sat, 29 Jul 2017 11:02:38 +0000
End at: Sat, 29 Jul 2017 11:03:08 +0000
Local clock offset: 0.436 ms
Remote clock offset: -0.63 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:31:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 700.82 Mbit/s
95th percentile per-packet one-way delay: 30.035 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 528.71 Mbit/s
95th percentile per-packet one-way delay: 43.952 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 244.97 Mbit/s
95th percentile per-packet one-way delay: 5.461 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.24%
```
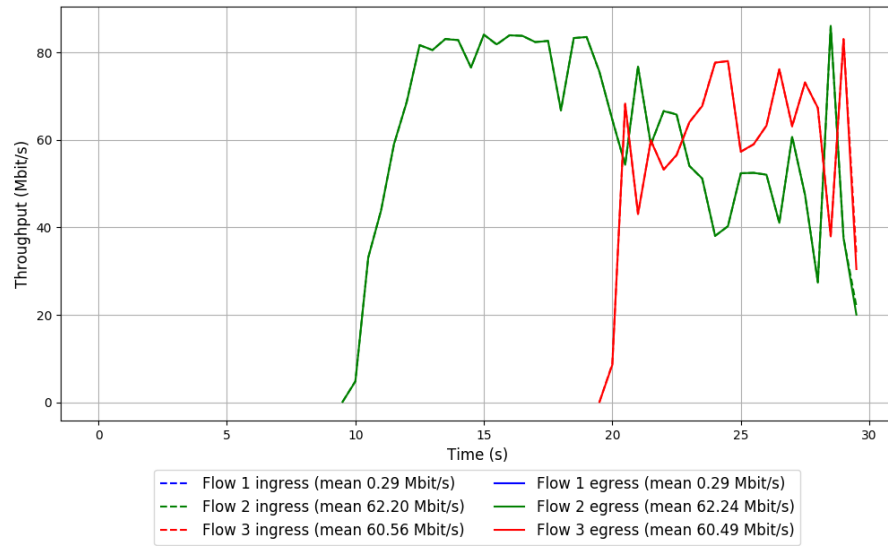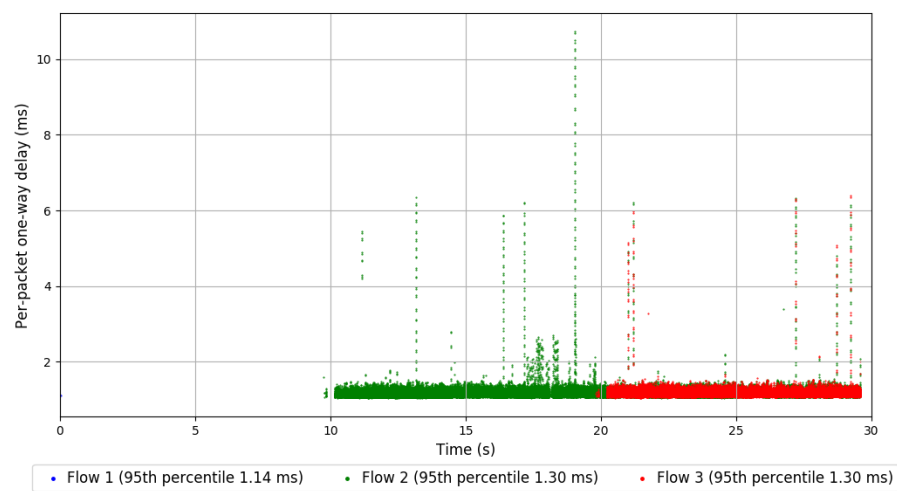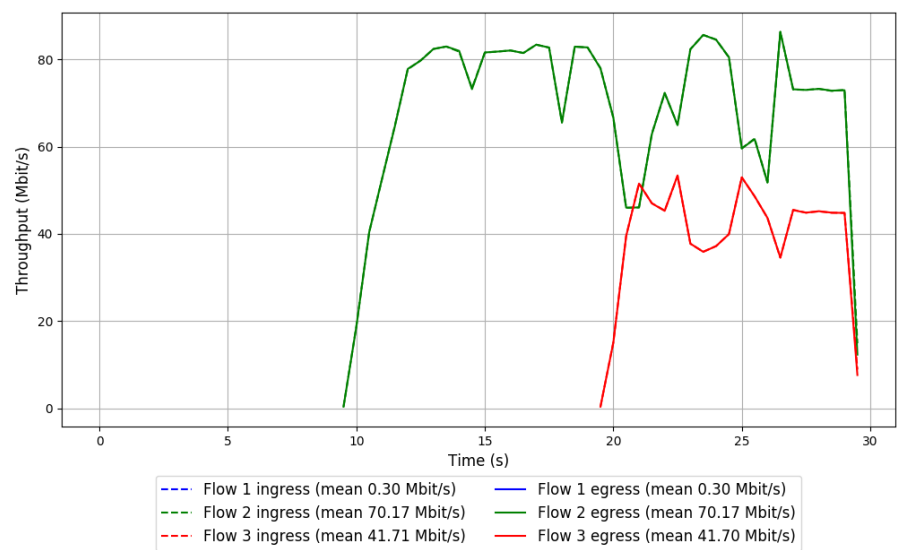
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 536.39 Mbit/s)   Flow 1 egress (mean 528.71 Mbit/s)
Flow 2 ingress (mean 245.02 Mbit/s)   Flow 2 egress (mean 244.97 Mbit/s)
Flow 3 ingress (mean 28.79 Mbit/s)   Flow 3 egress (mean 28.78 Mbit/s)

Flow 1 (95th percentile 43.95 ms)   Flow 2 (95th percentile 5.46 ms)   Flow 3 (95th percentile 2.56 ms)

```
Run 10: Statistics of PCC

Start at: Sat, 29 Jul 2017 11:24:44 +0000
End at: Sat, 29 Jul 2017 11:25:14 +0000
Local clock offset: 0.425 ms
Remote clock offset: -0.679 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 706.56 Mbit/s
95th percentile per-packet one-way delay: 13.270 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 496.16 Mbit/s
95th percentile per-packet one-way delay: 22.773 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 252.63 Mbit/s
95th percentile per-packet one-way delay: 6.061 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 129.82 Mbit/s
95th percentile per-packet one-way delay: 2.519 ms
Loss rate: 0.26%
```
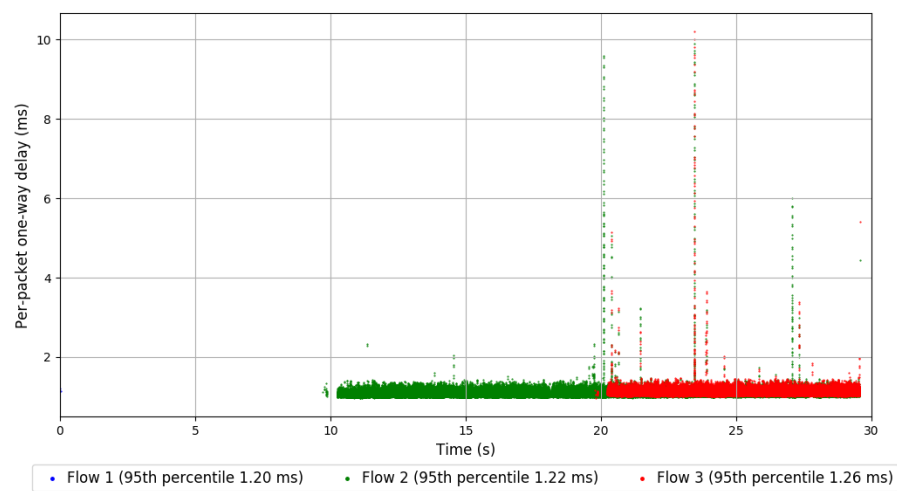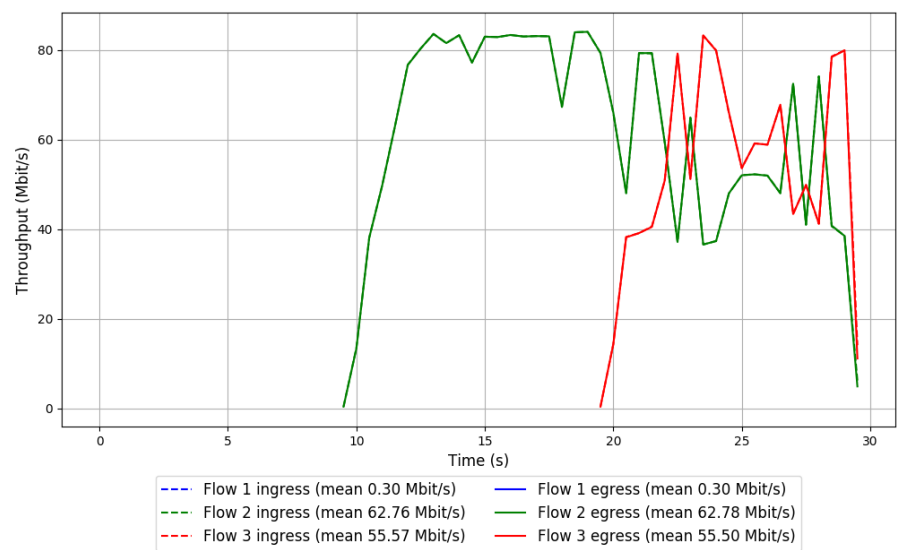
Run 10: Report of PCC — Data Link

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```
Run 1: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 08:06:50 +0000
End at: Sat, 29 Jul 2017 08:07:20 +0000
Local clock offset: 0.565 ms
Remote clock offset: -1.088 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.50 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 1.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 60.49 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.27%
```
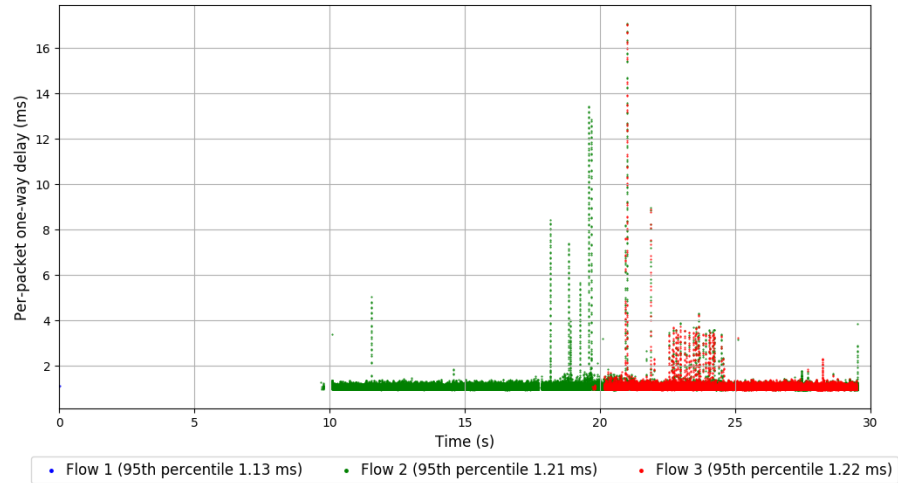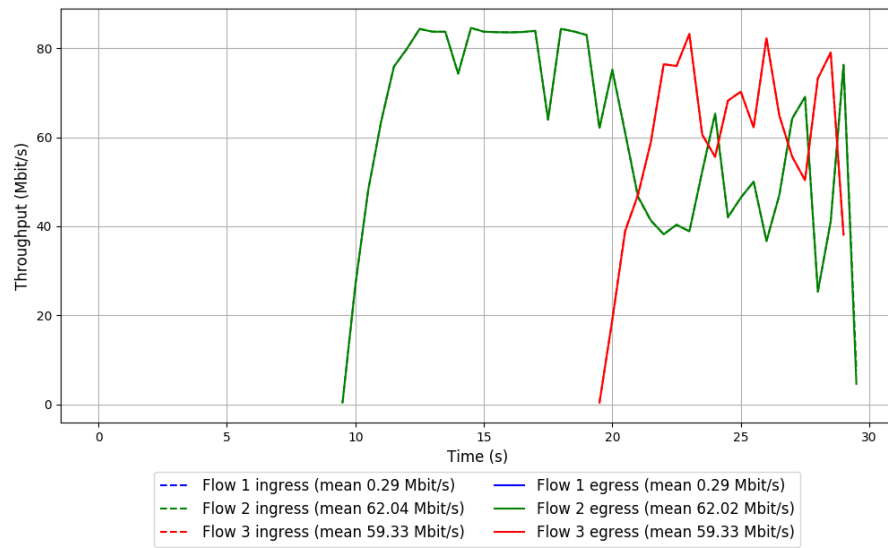
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 08:29:09 +0000
End at: Sat, 29 Jul 2017 08:29:39 +0000
Local clock offset: 0.524 ms
Remote clock offset: -0.937 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 1.296 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.17%
```
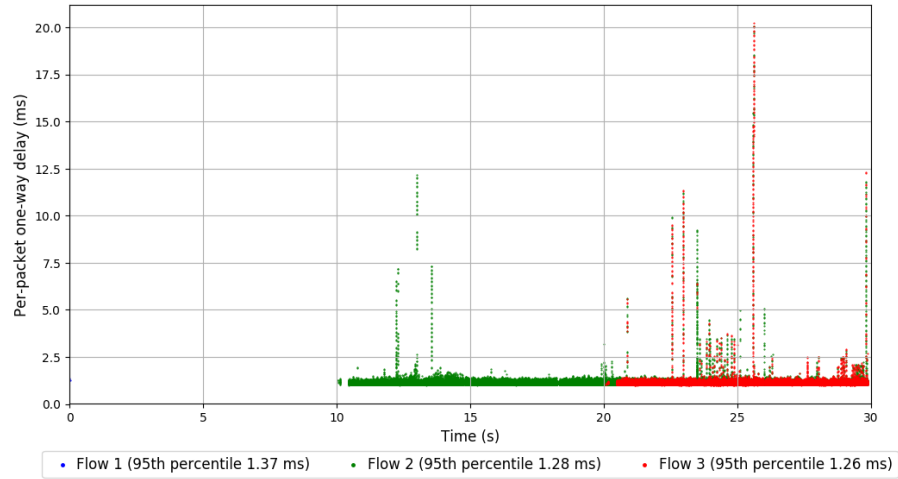
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 08:51:29 +0000
End at: Sat, 29 Jul 2017 08:51:59 +0000
Local clock offset: 0.378 ms
Remote clock offset: -0.559 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.51 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 55.50 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.29%
```
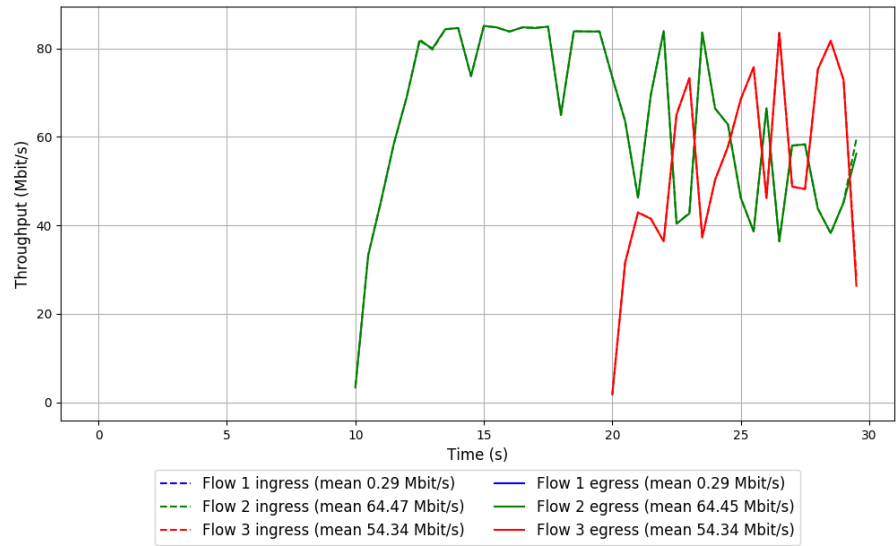
Run 3: Report of QUIC Cubic — Data Link

Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 09:13:41 +0000
End at: Sat, 29 Jul 2017 09:14:11 +0000
Local clock offset: 0.399 ms
Remote clock offset: -0.586 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
```
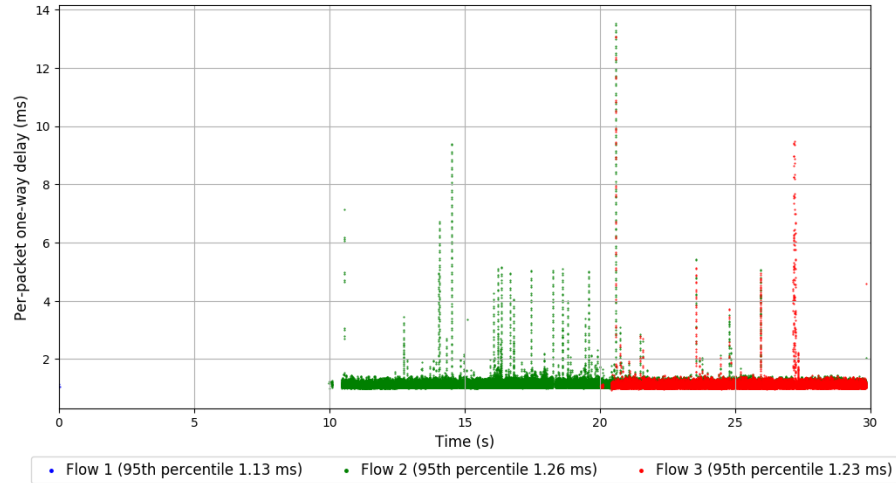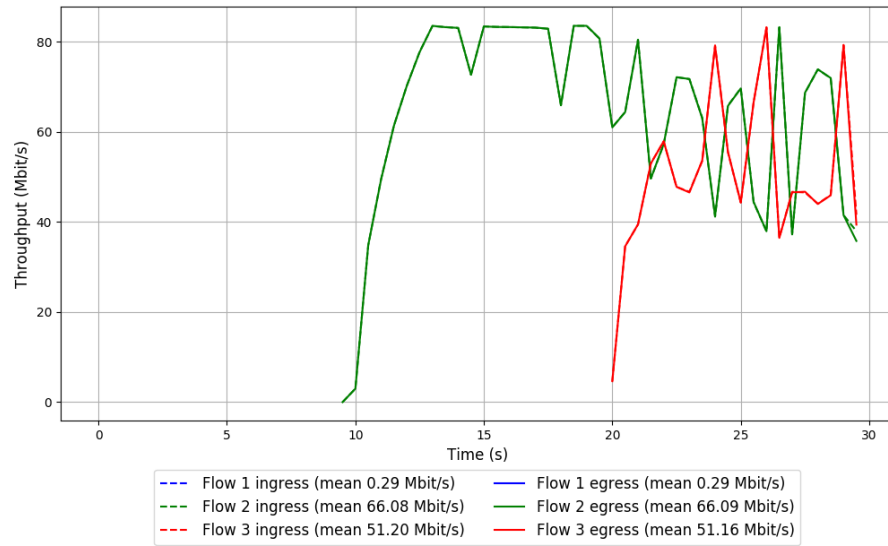
Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 09:35:48 +0000
End at: Sat, 29 Jul 2017 09:36:18 +0000
Local clock offset: 0.405 ms
Remote clock offset: -0.391 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 1.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.19%
```
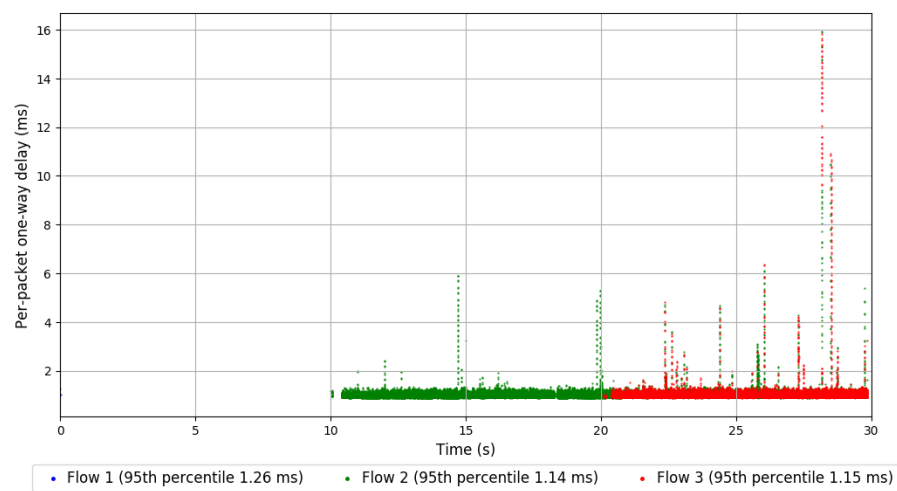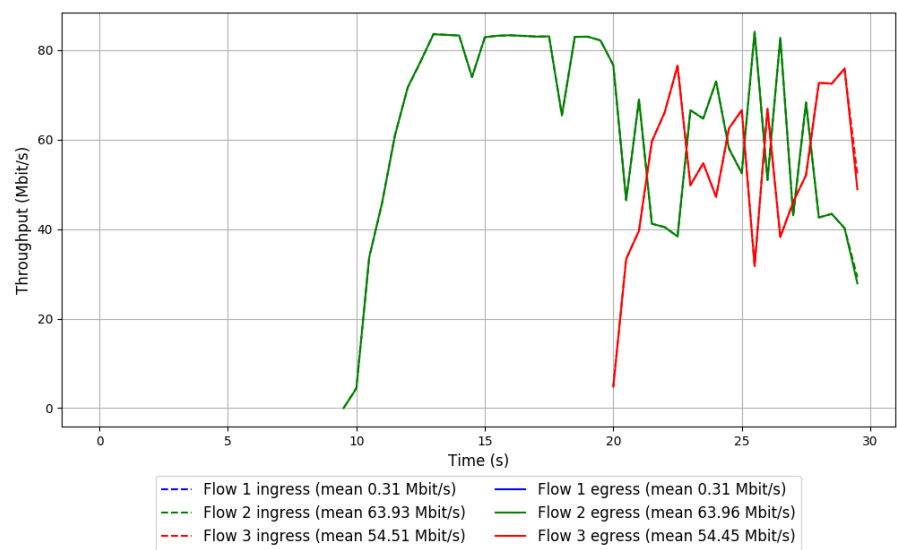
Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 09:57:52 +0000
End at: Sat, 29 Jul 2017 09:58:22 +0000
Local clock offset: 0.345 ms
Remote clock offset: -0.487 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.09 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.23%
```
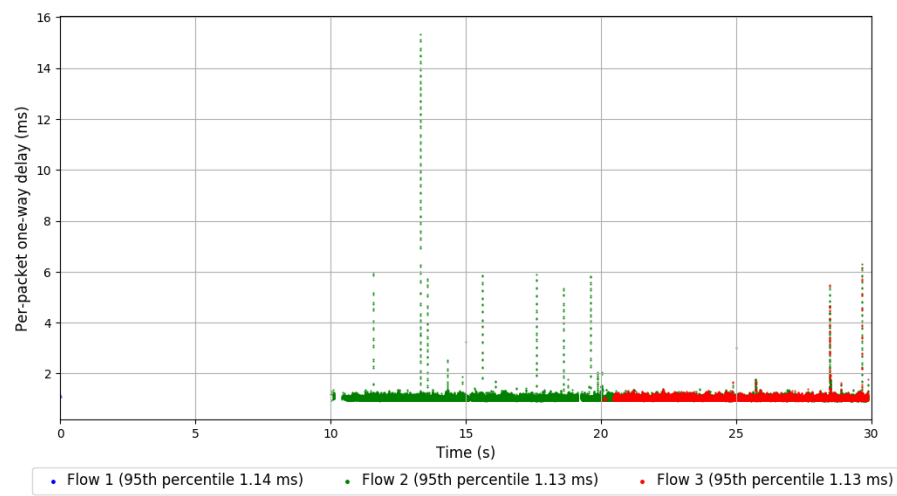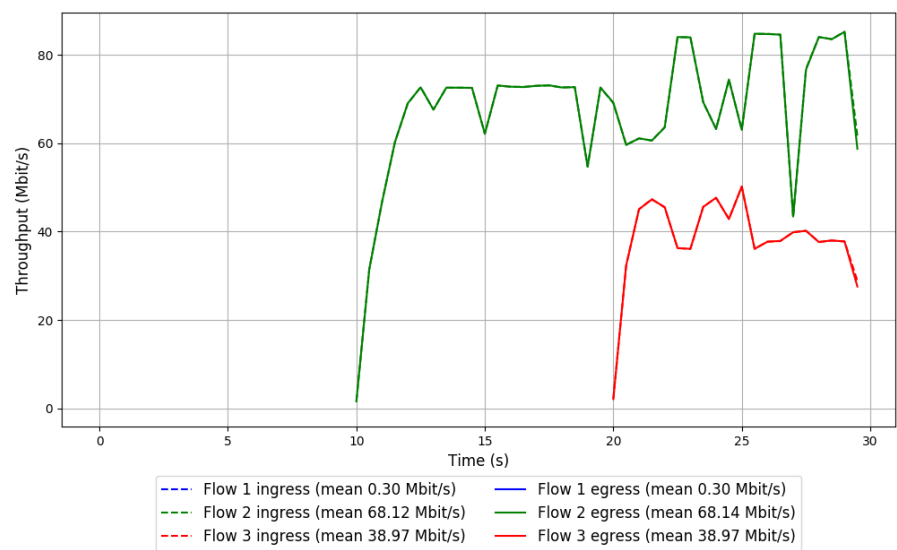
Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 10:20:05 +0000
End at: Sat, 29 Jul 2017 10:20:35 +0000
Local clock offset: 0.315 ms
Remote clock offset: -0.228 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.31%
```
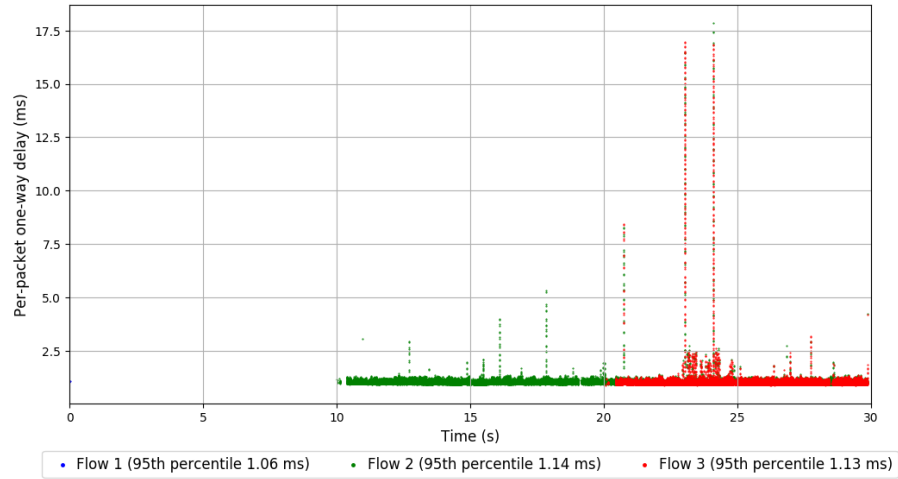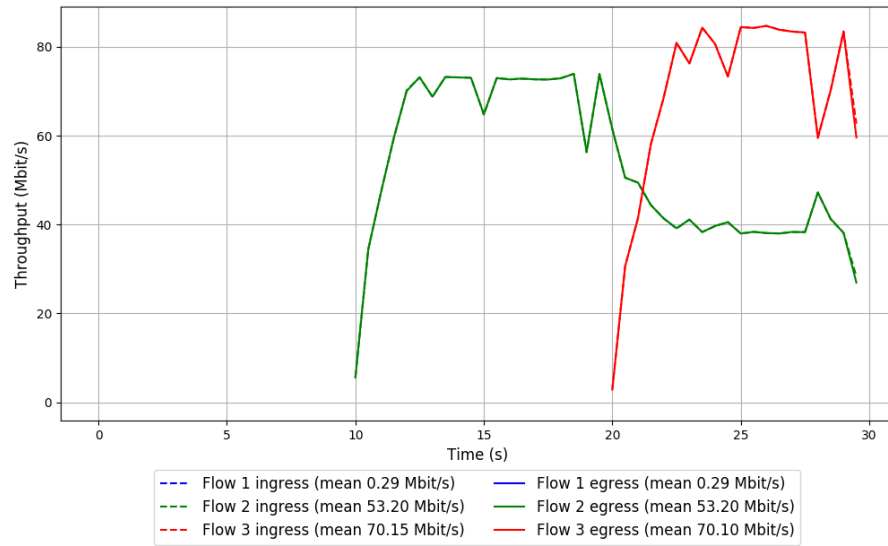
Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 10:42:12 +0000
End at: Sat, 29 Jul 2017 10:42:42 +0000
Local clock offset: 0.396 ms
Remote clock offset: -0.582 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.14 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.19%
```
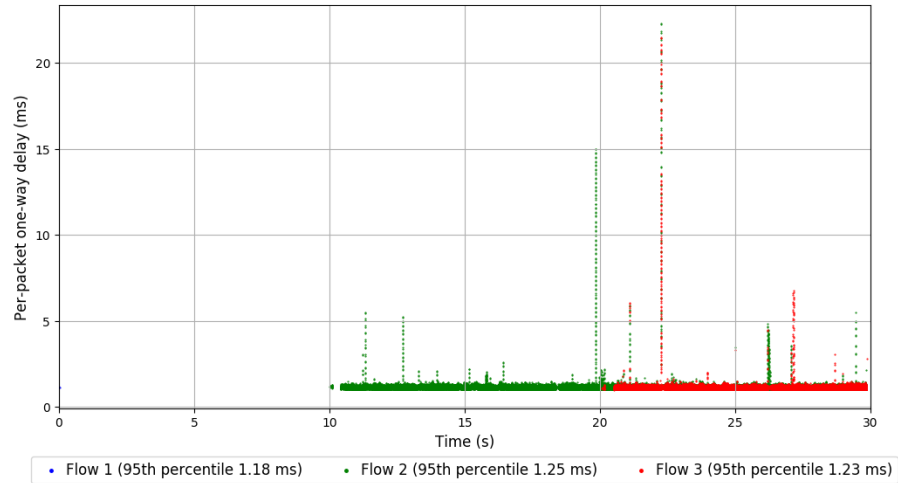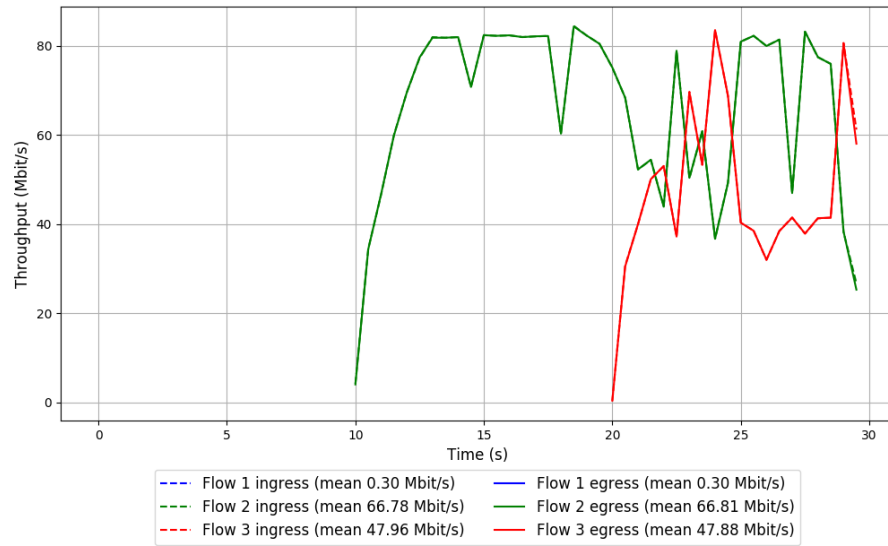
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.30 Mbit/s) --- Flow 1 egress (mean 0.30 Mbit/s)
Flow 2 ingress (mean 68.12 Mbit/s) --- Flow 2 egress (mean 68.14 Mbit/s)
Flow 3 ingress (mean 38.97 Mbit/s) --- Flow 3 egress (mean 38.97 Mbit/s)

Flow 1 (95th percentile 1.14 ms)   Flow 2 (95th percentile 1.13 ms)   Flow 3 (95th percentile 1.13 ms)

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```
Run 9: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 11:04:14 +0000
End at: Sat, 29 Jul 2017 11:04:44 +0000
Local clock offset: 0.344 ms
Remote clock offset: -0.586 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.24%
```
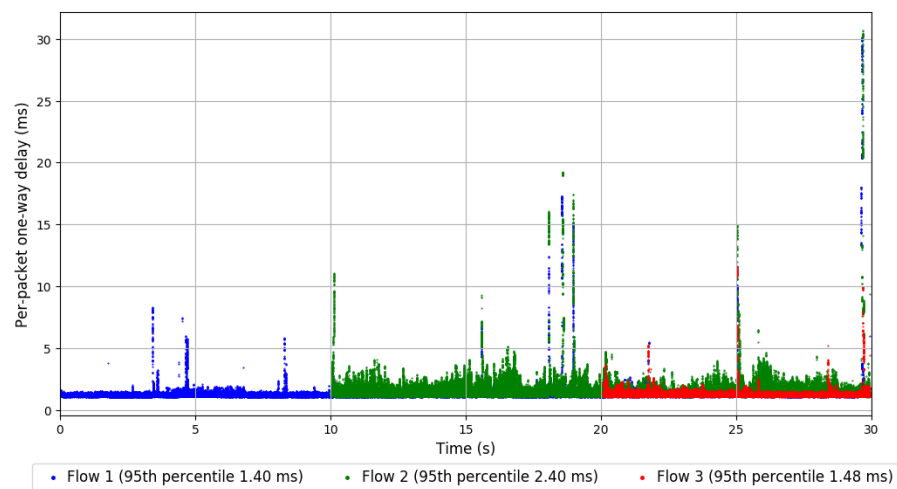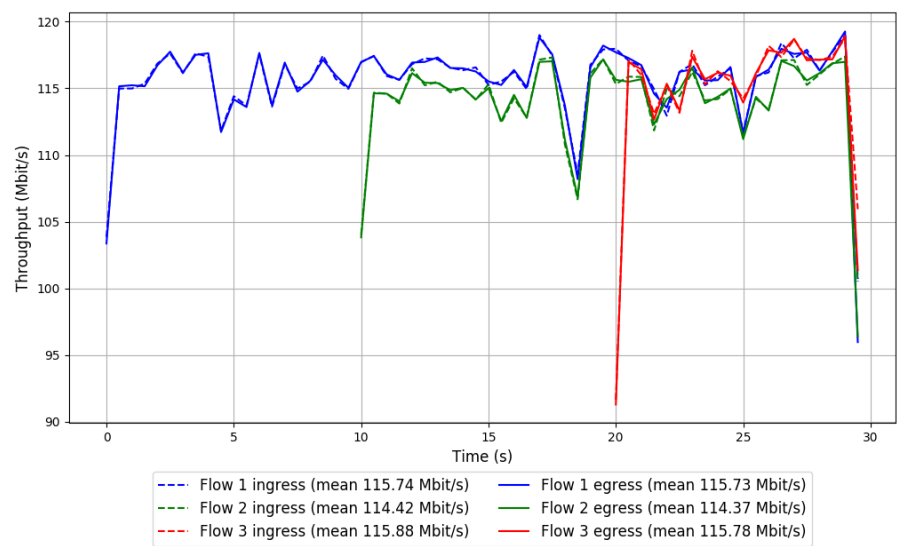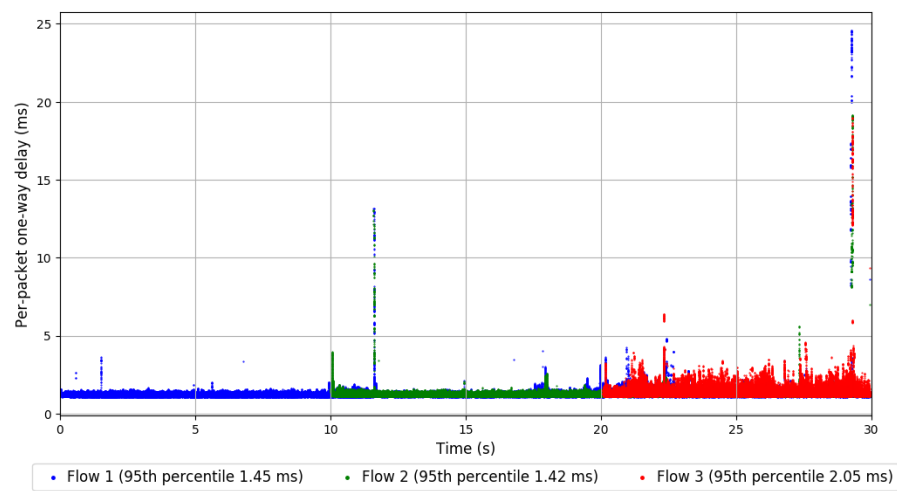
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.29 Mbit/s)   Flow 1 egress (mean 0.29 Mbit/s)
Flow 2 ingress (mean 53.20 Mbit/s)   Flow 2 egress (mean 53.20 Mbit/s)
Flow 3 ingress (mean 70.15 Mbit/s)   Flow 3 egress (mean 70.10 Mbit/s)

Flow 1 (95th percentile 1.06 ms)   Flow 2 (95th percentile 1.14 ms)   Flow 3 (95th percentile 1.13 ms)

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```
Run 10: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 11:26:20 +0000
End at: Sat, 29 Jul 2017 11:26:50 +0000
Local clock offset: 0.421 ms
Remote clock offset: -0.686 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:32:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.81 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.36%
```
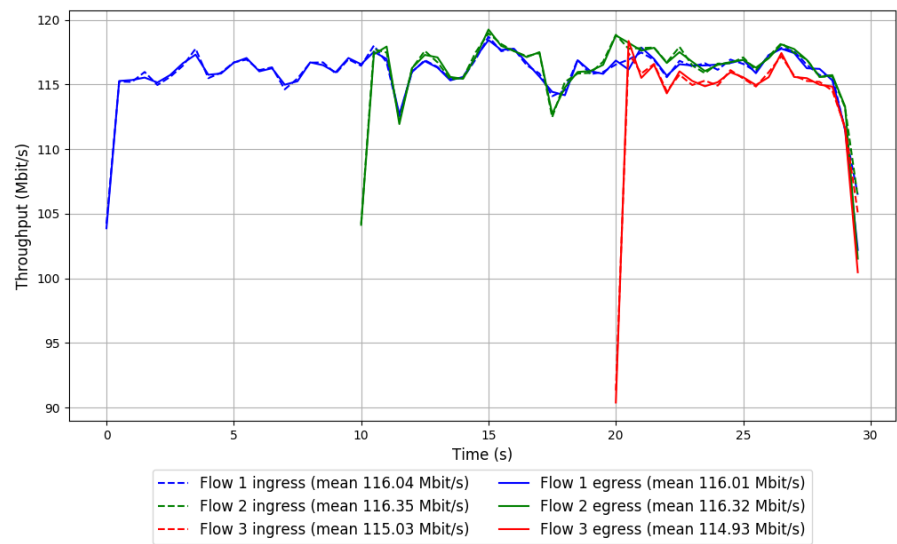
Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of Saturator

Start at: Sat, 29 Jul 2017 07:49:56 +0000
End at: Sat, 29 Jul 2017 07:50:26 +0000
Local clock offset: 0.772 ms
Remote clock offset: -1.053 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:33:16 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.06 Mbit/s
95th percentile per-packet one-way delay: 1.824 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 115.73 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 114.37 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 115.78 Mbit/s
95th percentile per-packet one-way delay: 1.477 ms
Loss rate: 0.21%
```
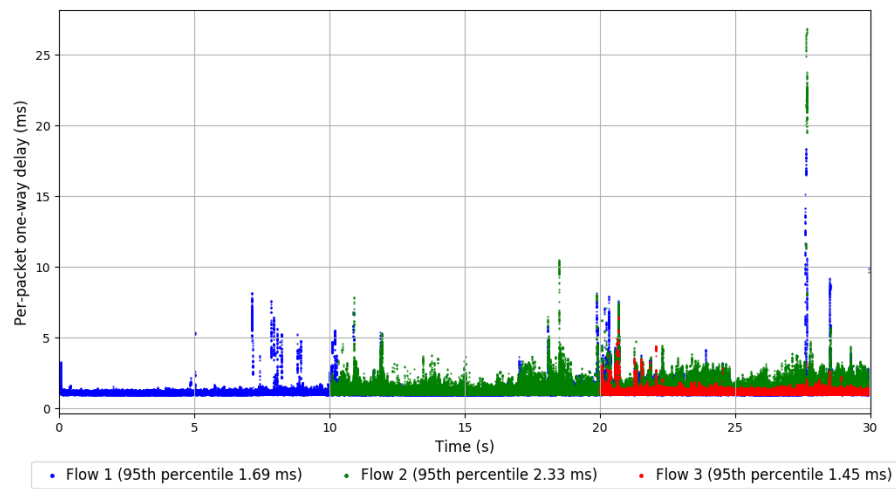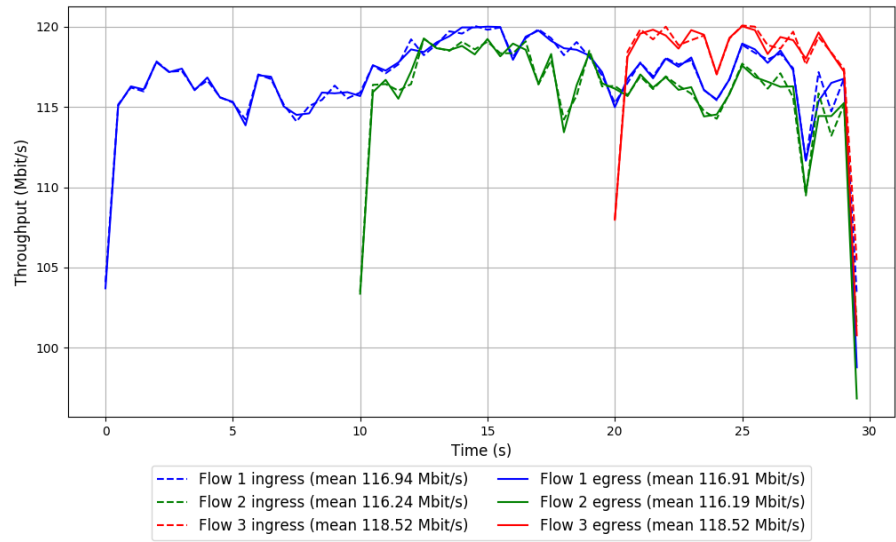
Run 1: Report of Saturator — Data Link

```
Run 2: Statistics of Saturator

Start at: Sat, 29 Jul 2017 08:11:28 +0000
End at: Sat, 29 Jul 2017 08:11:58 +0000
Local clock offset: 0.623 ms
Remote clock offset: -1.161 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:33:26 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 231.35 Mbit/s
95th percentile per-packet one-way delay: 1.571 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 116.01 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 116.32 Mbit/s
95th percentile per-packet one-way delay: 1.420 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 114.93 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.21%
```
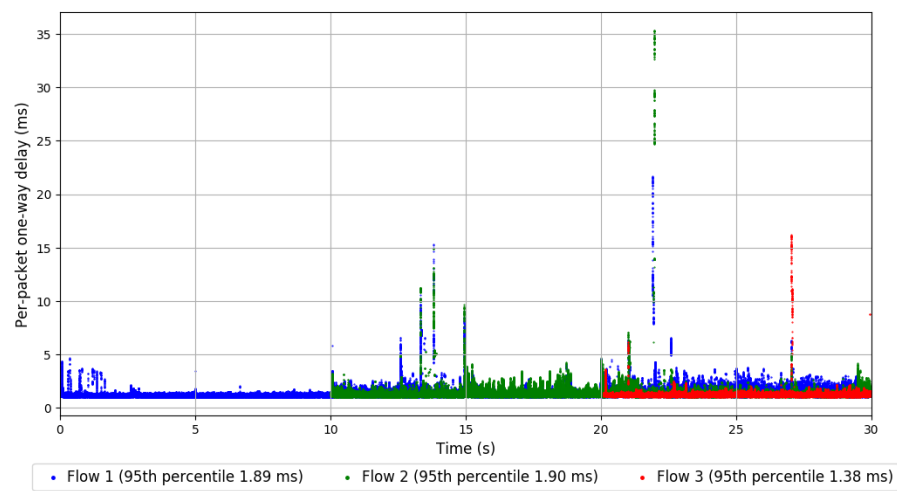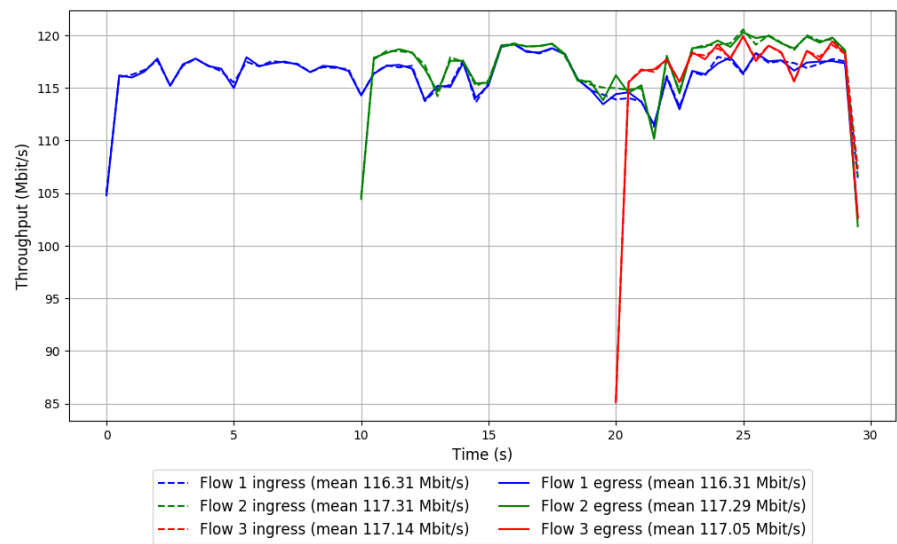
Run 2: Report of Saturator — Data Link

```
Run 3: Statistics of Saturator

Start at: Sat, 29 Jul 2017 08:33:52 +0000
End at: Sat, 29 Jul 2017 08:34:22 +0000
Local clock offset: 0.499 ms
Remote clock offset: -0.798 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:33:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.51 Mbit/s
95th percentile per-packet one-way delay: 1.979 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 116.91 Mbit/s
95th percentile per-packet one-way delay: 1.693 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 116.19 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 118.52 Mbit/s
95th percentile per-packet one-way delay: 1.446 ms
Loss rate: 0.20%
```
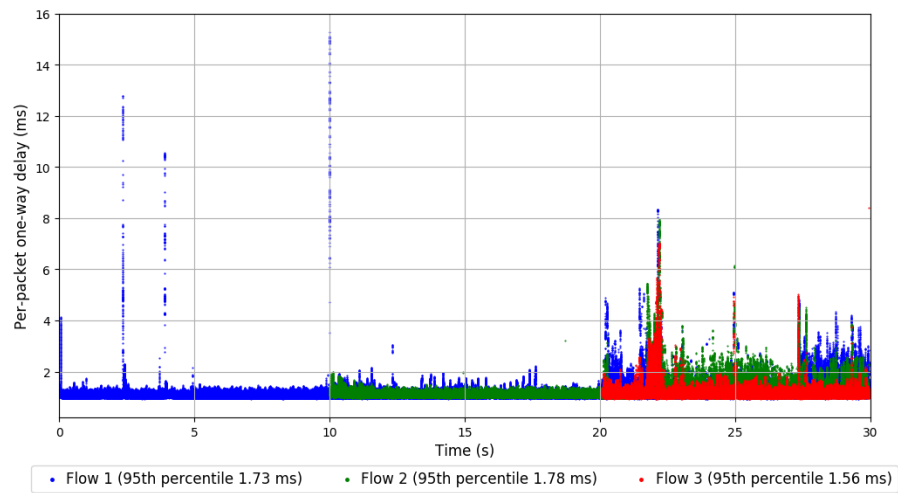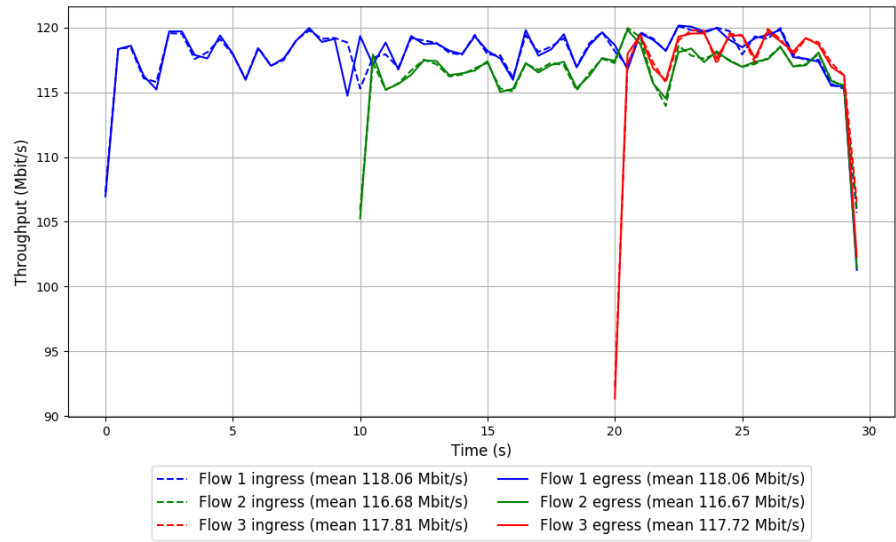
Run 3: Report of Saturator — Data Link

```
Run 4: Statistics of Saturator

Start at: Sat, 29 Jul 2017 08:56:11 +0000
End at: Sat, 29 Jul 2017 08:56:41 +0000
Local clock offset: 0.46 ms
Remote clock offset: -0.364 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:33:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 232.90 Mbit/s
95th percentile per-packet one-way delay: 1.814 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 116.31 Mbit/s
95th percentile per-packet one-way delay: 1.887 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 117.29 Mbit/s
95th percentile per-packet one-way delay: 1.898 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 117.05 Mbit/s
95th percentile per-packet one-way delay: 1.382 ms
Loss rate: 0.21%
```
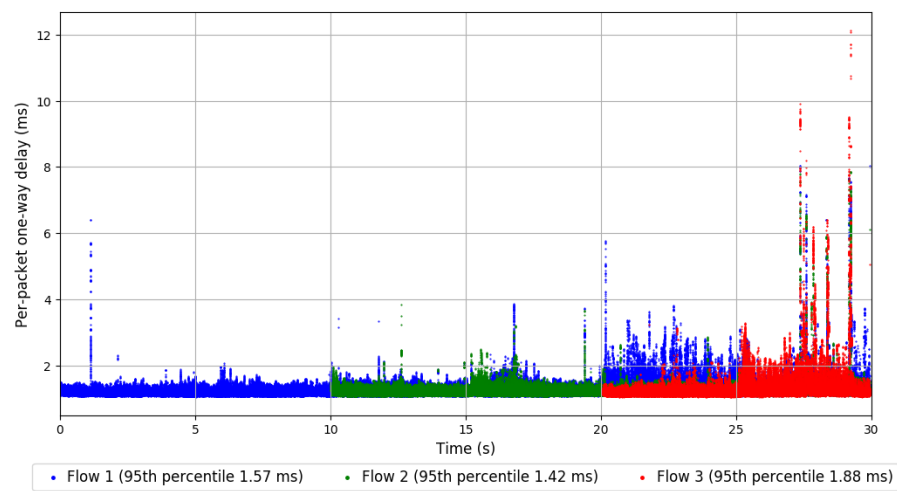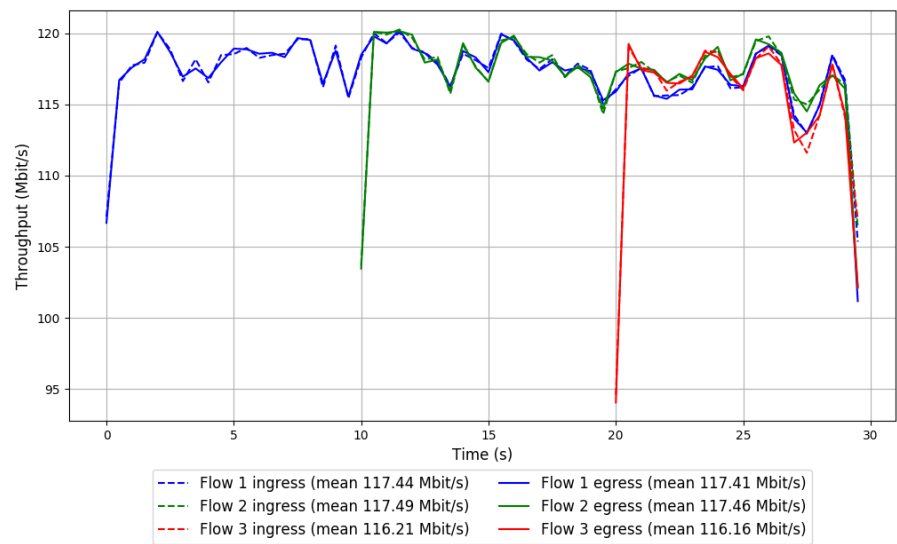
Run 4: Report of Saturator — Data Link

```
Run 5: Statistics of Saturator

Start at: Sat, 29 Jul 2017 09:18:20 +0000
End at: Sat, 29 Jul 2017 09:18:50 +0000
Local clock offset: 0.337 ms
Remote clock offset: -0.736 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:34:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.52 Mbit/s
95th percentile per-packet one-way delay: 1.726 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 118.06 Mbit/s
95th percentile per-packet one-way delay: 1.728 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 116.67 Mbit/s
95th percentile per-packet one-way delay: 1.785 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 117.72 Mbit/s
95th percentile per-packet one-way delay: 1.565 ms
Loss rate: 0.20%
```
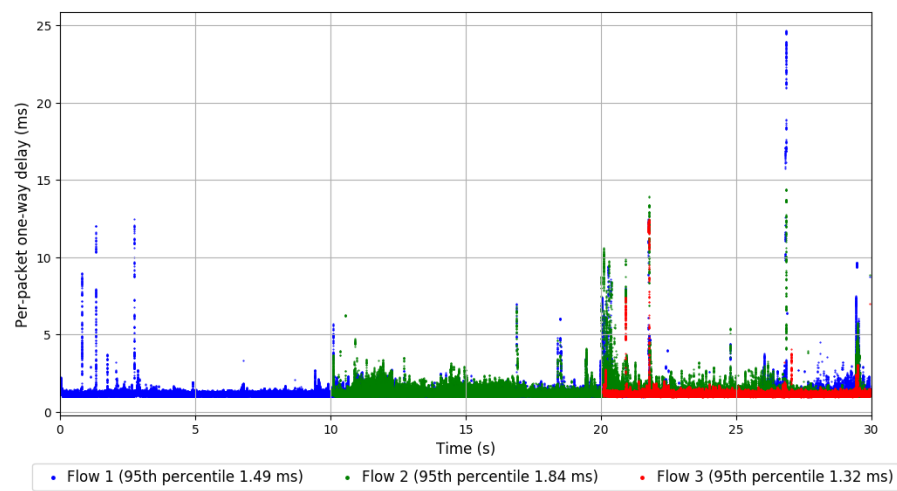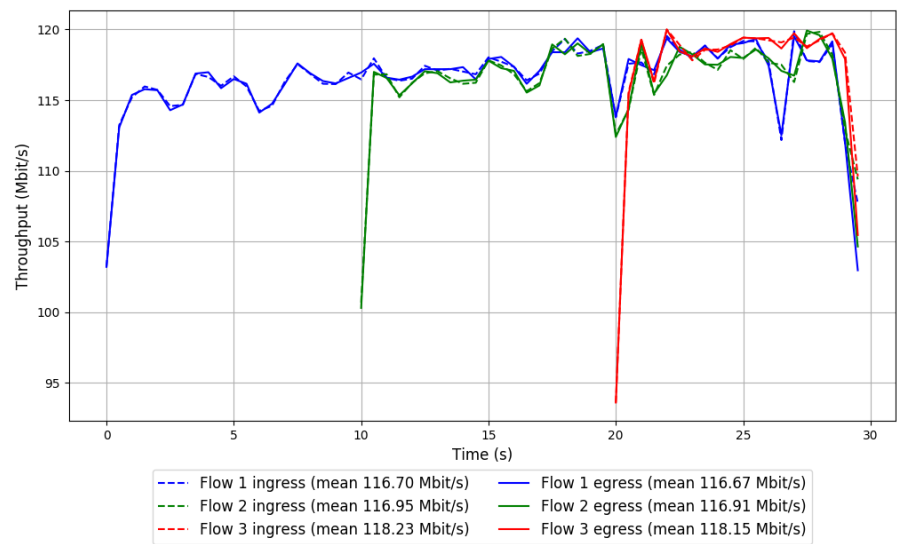
Run 5: Report of Saturator — Data Link

Flow 1 ingress (mean 118.06 Mbit/s)   Flow 1 egress (mean 118.06 Mbit/s)
Flow 2 ingress (mean 116.68 Mbit/s)   Flow 2 egress (mean 116.67 Mbit/s)
Flow 3 ingress (mean 117.81 Mbit/s)   Flow 3 egress (mean 117.72 Mbit/s)

Flow 1 (95th percentile 1.73 ms)   Flow 2 (95th percentile 1.78 ms)   Flow 3 (95th percentile 1.56 ms)

```
Run 6: Statistics of Saturator

Start at: Sat, 29 Jul 2017 09:40:33 +0000
End at: Sat, 29 Jul 2017 09:41:03 +0000
Local clock offset: 0.414 ms
Remote clock offset: -0.328 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:34:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.93 Mbit/s
95th percentile per-packet one-way delay: 1.547 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 117.41 Mbit/s
95th percentile per-packet one-way delay: 1.567 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 117.46 Mbit/s
95th percentile per-packet one-way delay: 1.417 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 116.16 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.21%
```
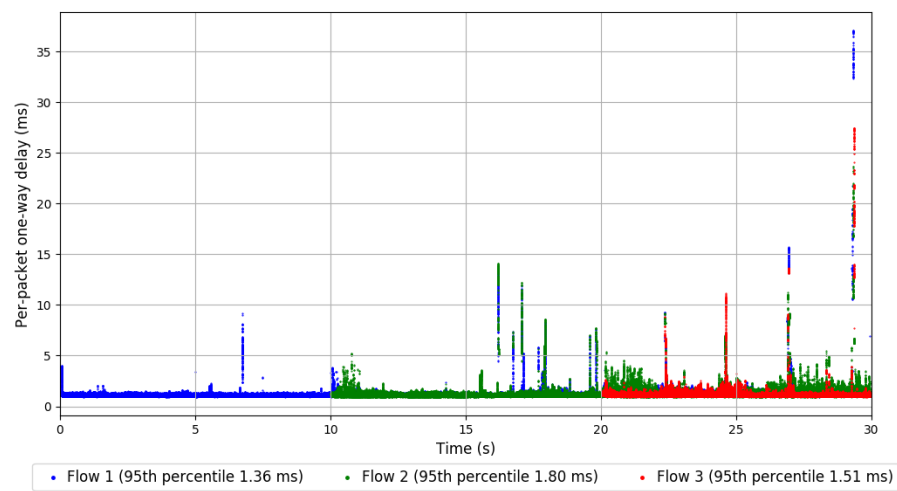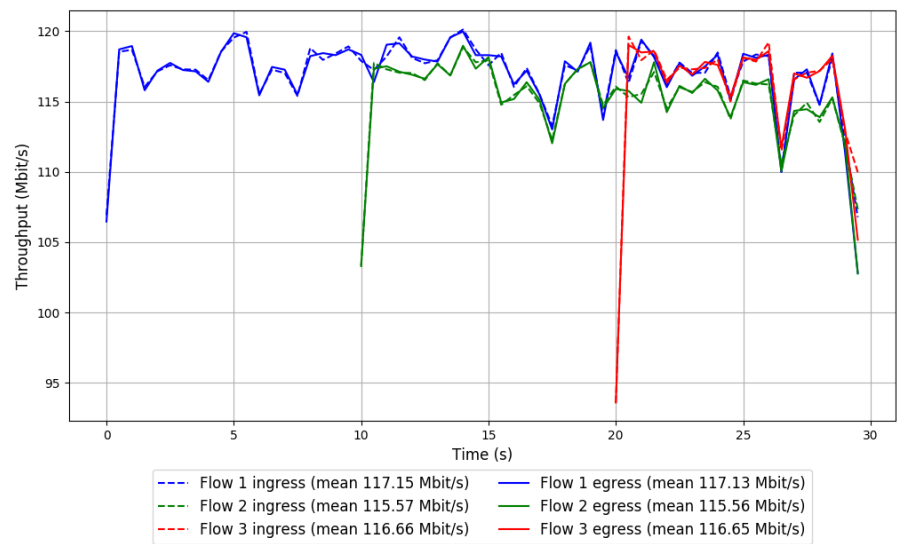
Run 6: Report of Saturator — Data Link

```
Run 7: Statistics of Saturator

Start at: Sat, 29 Jul 2017 10:02:29 +0000
End at: Sat, 29 Jul 2017 10:02:59 +0000
Local clock offset: 0.41 ms
Remote clock offset: -0.335 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:34:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.42 Mbit/s
95th percentile per-packet one-way delay: 1.595 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 116.67 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 116.91 Mbit/s
95th percentile per-packet one-way delay: 1.836 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 118.15 Mbit/s
95th percentile per-packet one-way delay: 1.325 ms
Loss rate: 0.20%
```
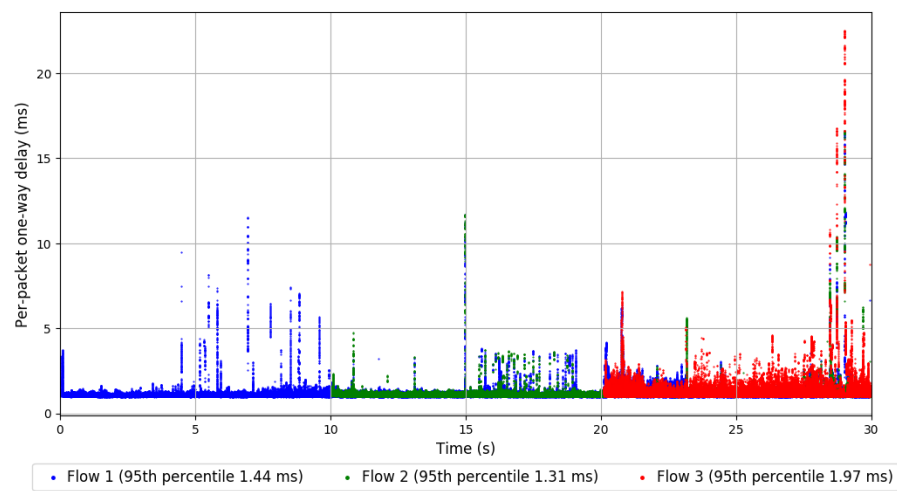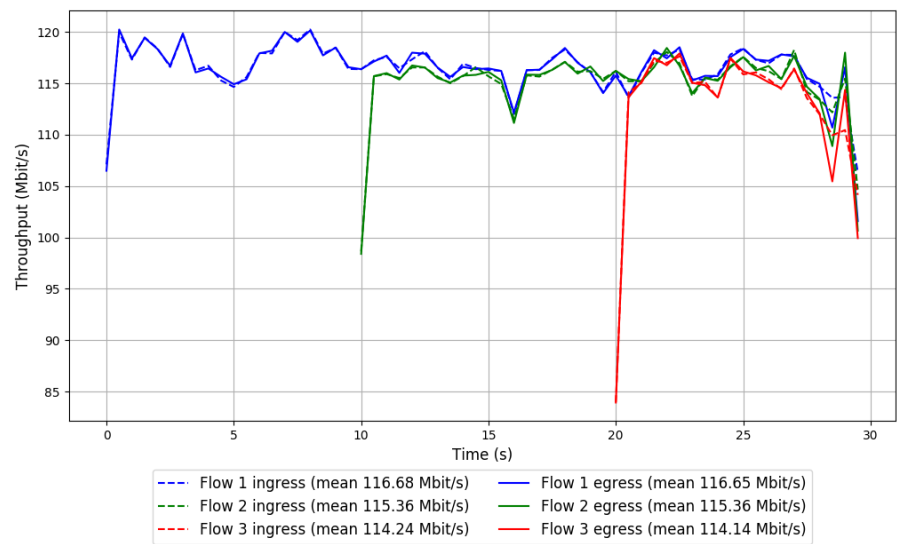
Run 7: Report of Saturator — Data Link

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```
Run 8: Statistics of Saturator

Start at: Sat, 29 Jul 2017 10:24:43 +0000
End at: Sat, 29 Jul 2017 10:25:13 +0000
Local clock offset: 0.371 ms
Remote clock offset: -0.148 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:34:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 232.52 Mbit/s
95th percentile per-packet one-way delay: 1.524 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 117.13 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 115.56 Mbit/s
95th percentile per-packet one-way delay: 1.797 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 116.65 Mbit/s
95th percentile per-packet one-way delay: 1.506 ms
Loss rate: 0.21%
```
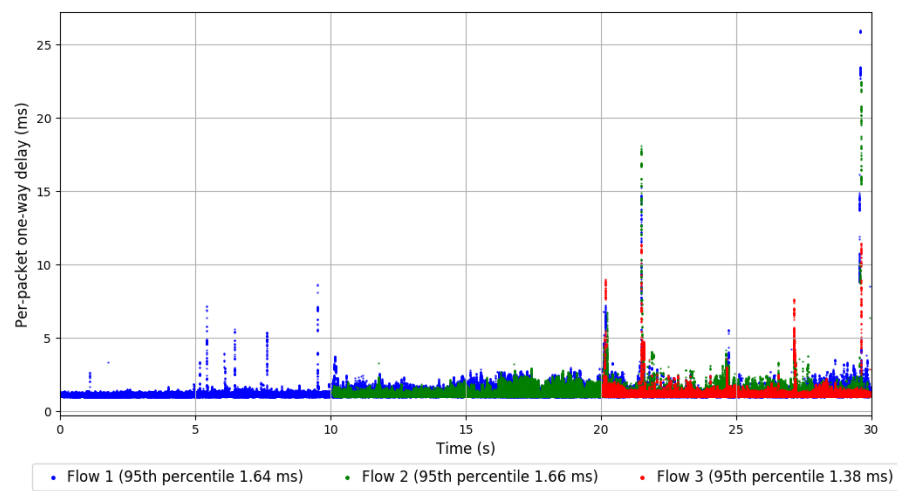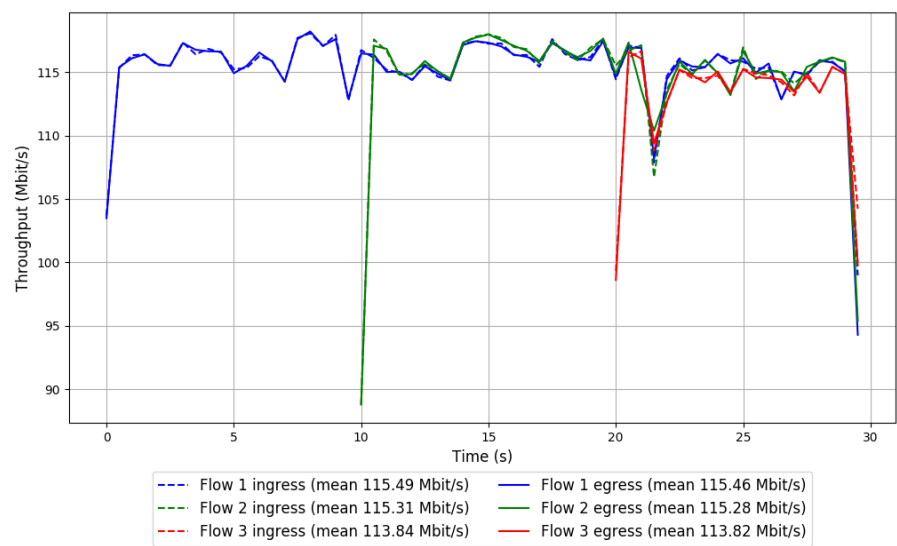
Run 8: Report of Saturator — Data Link

```
Run 9: Statistics of Saturator

Start at: Sat, 29 Jul 2017 10:46:52 +0000
End at: Sat, 29 Jul 2017 10:47:23 +0000
Local clock offset: 0.404 ms
Remote clock offset: -0.707 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:18 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.95 Mbit/s
95th percentile per-packet one-way delay: 1.491 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 116.65 Mbit/s
95th percentile per-packet one-way delay: 1.437 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 115.36 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 114.14 Mbit/s
95th percentile per-packet one-way delay: 1.967 ms
Loss rate: 0.21%
```
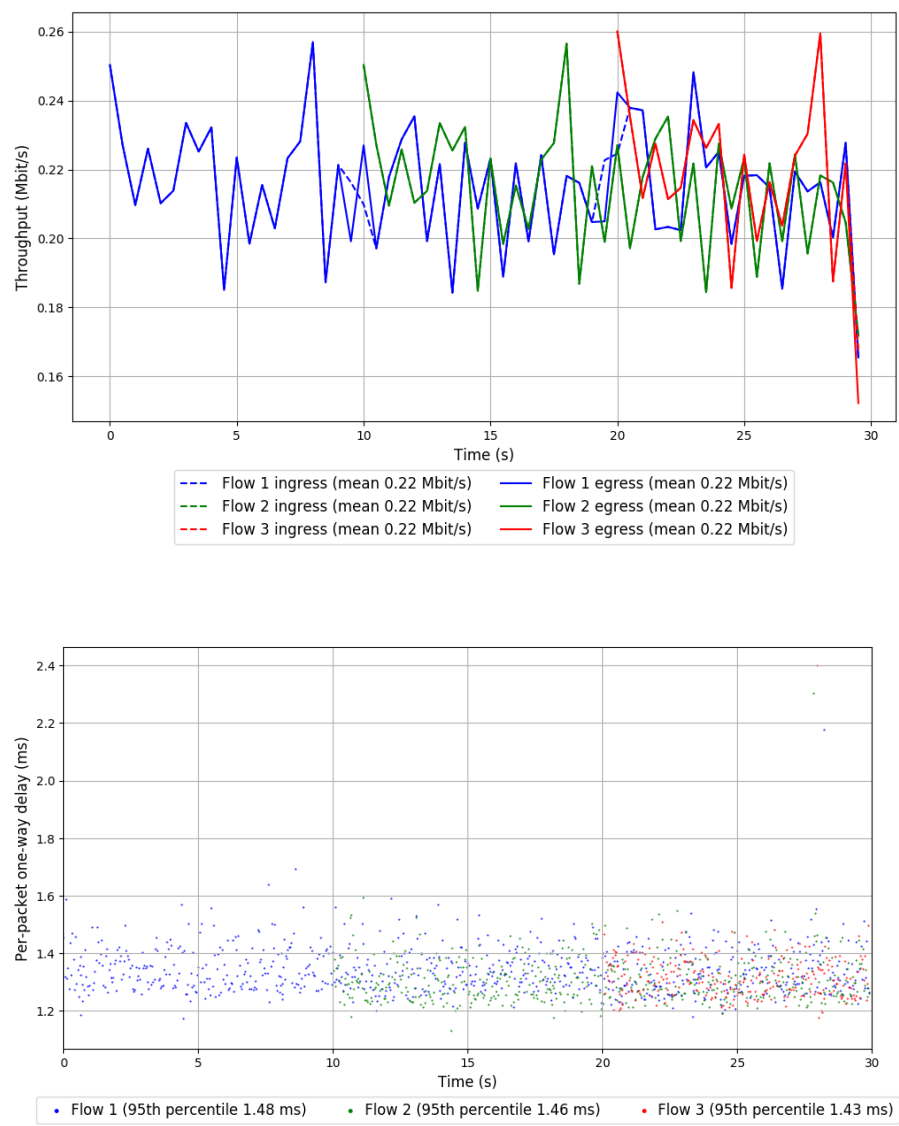
Run 9: Report of Saturator — Data Link

Flow 1 ingress (mean 116.68 Mbit/s) --- Flow 1 egress (mean 116.65 Mbit/s)
Flow 2 ingress (mean 115.36 Mbit/s) --- Flow 2 egress (mean 115.36 Mbit/s)
Flow 3 ingress (mean 114.24 Mbit/s) --- Flow 3 egress (mean 114.14 Mbit/s)

Flow 1 (95th percentile 1.44 ms) • Flow 2 (95th percentile 1.31 ms) • Flow 3 (95th percentile 1.97 ms)

```
Run 10: Statistics of Saturator

Start at: Sat, 29 Jul 2017 11:08:55 +0000
End at: Sat, 29 Jul 2017 11:09:25 +0000
Local clock offset: 0.336 ms
Remote clock offset: -0.589 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 229.63 Mbit/s
95th percentile per-packet one-way delay: 1.613 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 115.46 Mbit/s
95th percentile per-packet one-way delay: 1.639 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 115.28 Mbit/s
95th percentile per-packet one-way delay: 1.658 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 113.82 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.21%
```
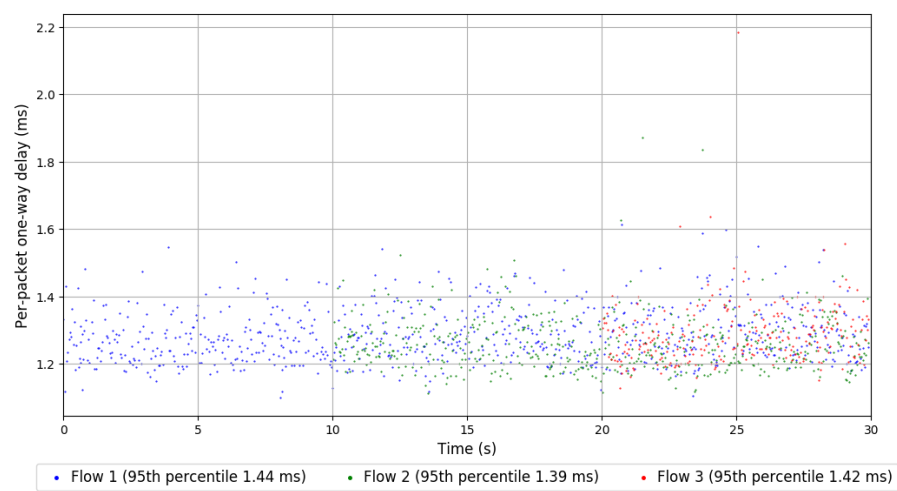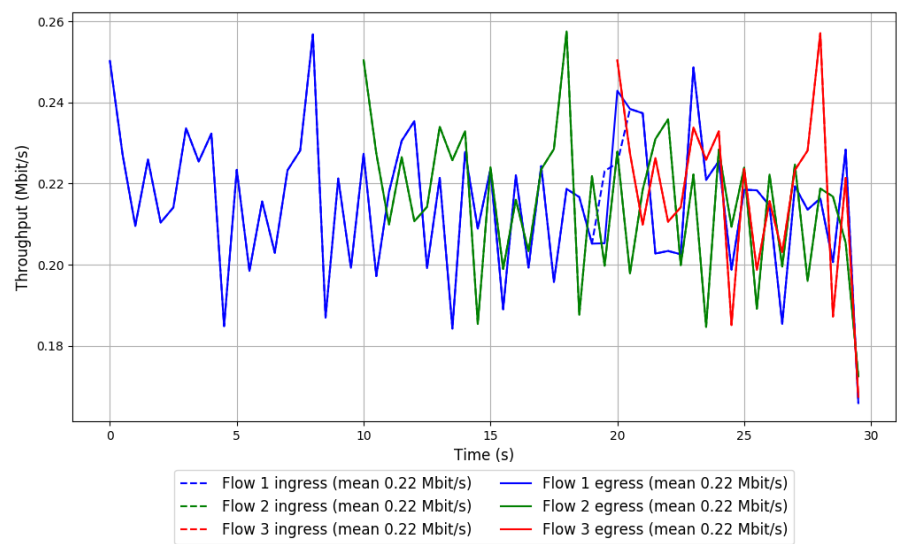
Run 10: Report of Saturator — Data Link

```
Run 1: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 08:02:46 +0000
End at: Sat, 29 Jul 2017 08:03:16 +0000
Local clock offset: 0.729 ms
Remote clock offset: -1.163 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.462 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.426 ms
Loss rate: 0.35%
```
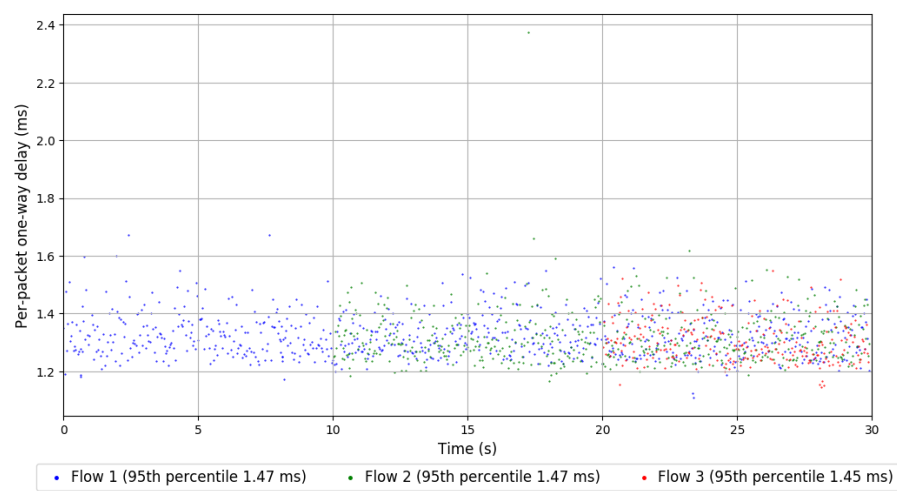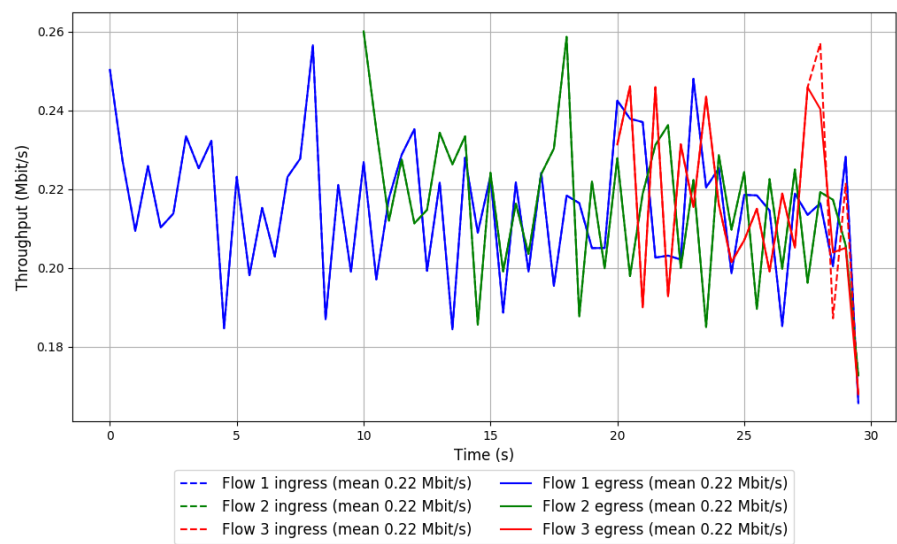
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 08:24:37 +0000
End at: Sat, 29 Jul 2017 08:25:07 +0000
Local clock offset: 0.511 ms
Remote clock offset: -0.978 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.421 ms
Loss rate: 0.00%
```
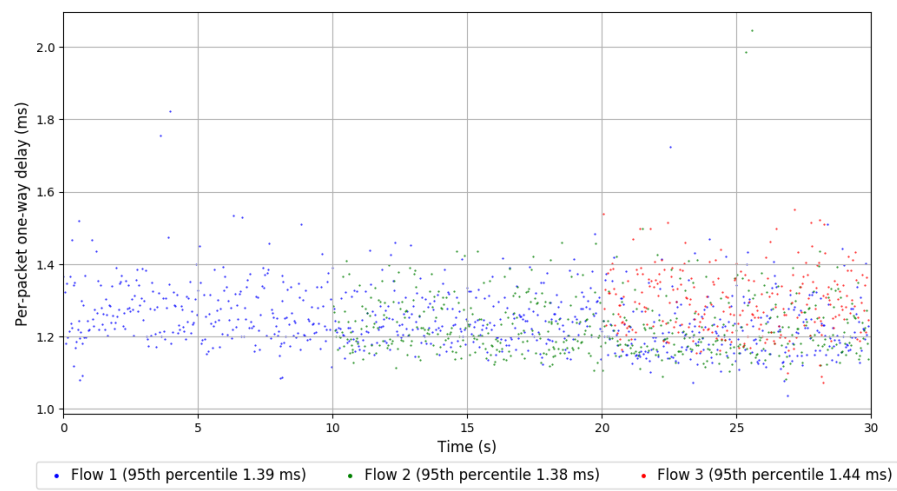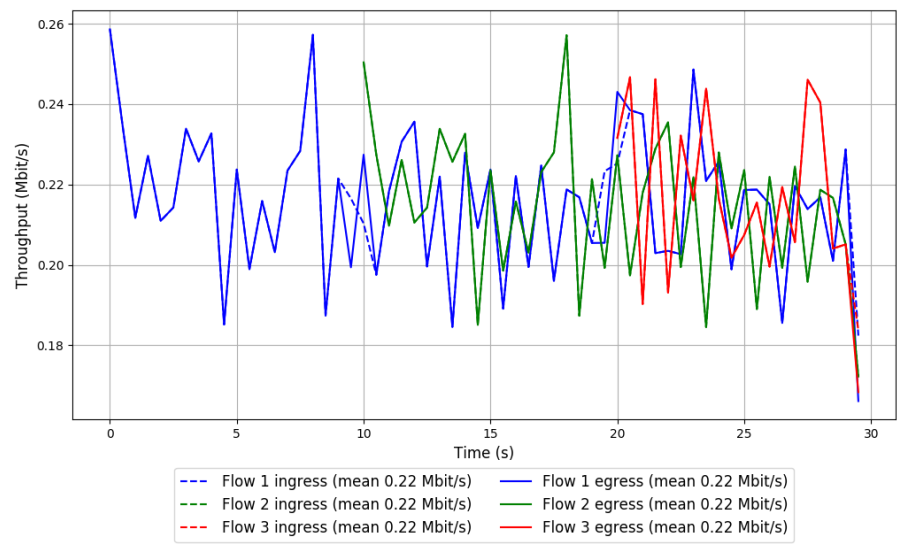
Run 2: Report of SCReAM — Data Link

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```
Run 3: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 08:46:59 +0000
End at: Sat, 29 Jul 2017 08:47:29 +0000
Local clock offset: 0.473 ms
Remote clock offset: -0.663 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.446 ms
Loss rate: 0.35%
```
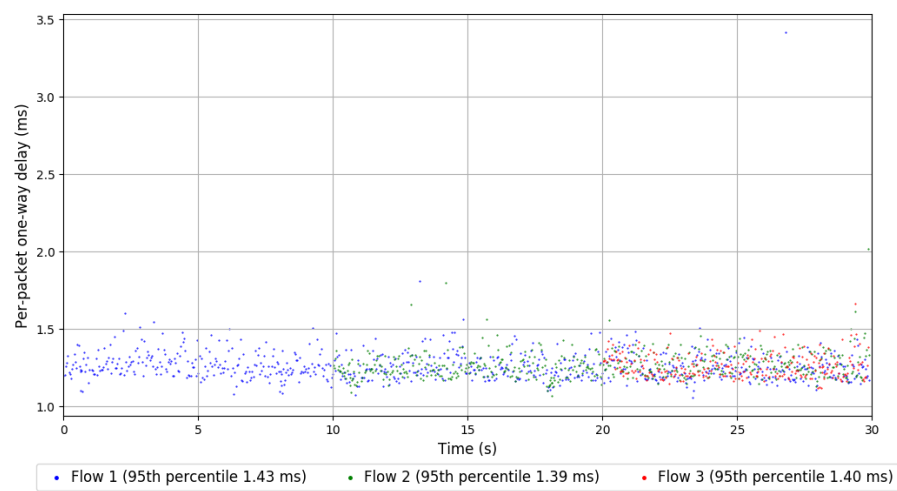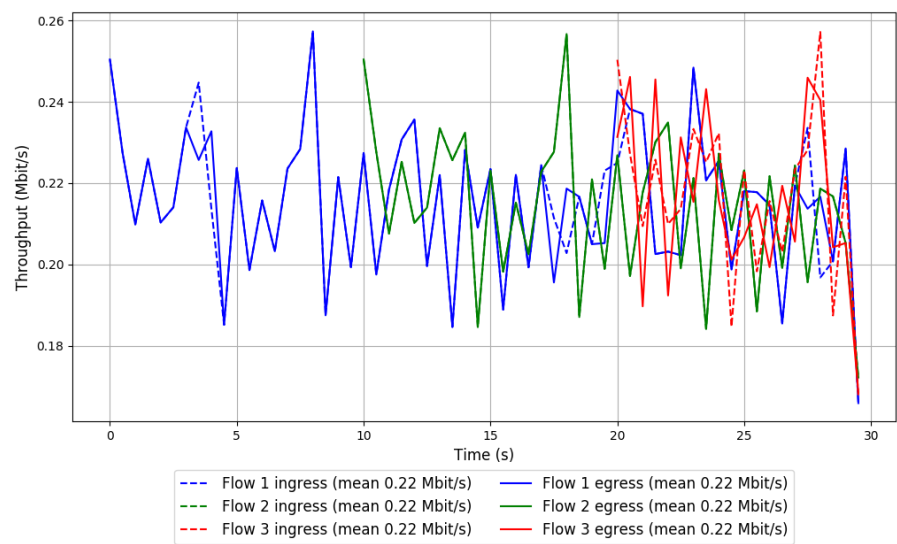
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 09:09:12 +0000
End at: Sat, 29 Jul 2017 09:09:42 +0000
Local clock offset: 0.434 ms
Remote clock offset: -0.536 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.401 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.378 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.35%
```
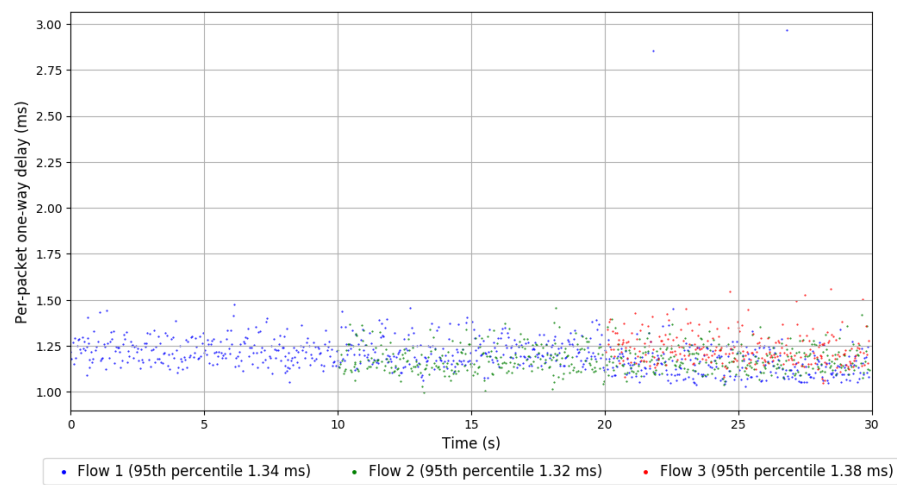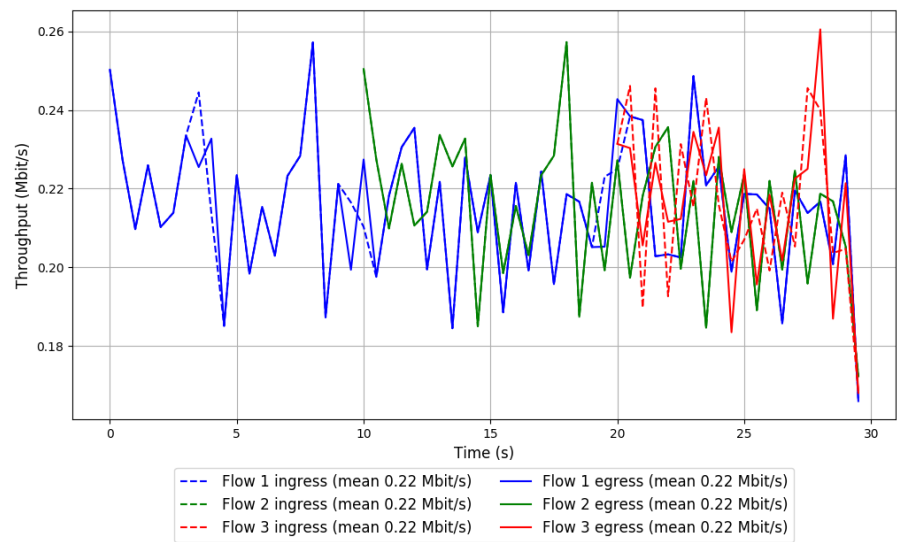
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 09:31:31 +0000
End at: Sat, 29 Jul 2017 09:32:01 +0000
Local clock offset: 0.417 ms
Remote clock offset: -0.448 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.408 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.401 ms
Loss rate: 0.35%
```
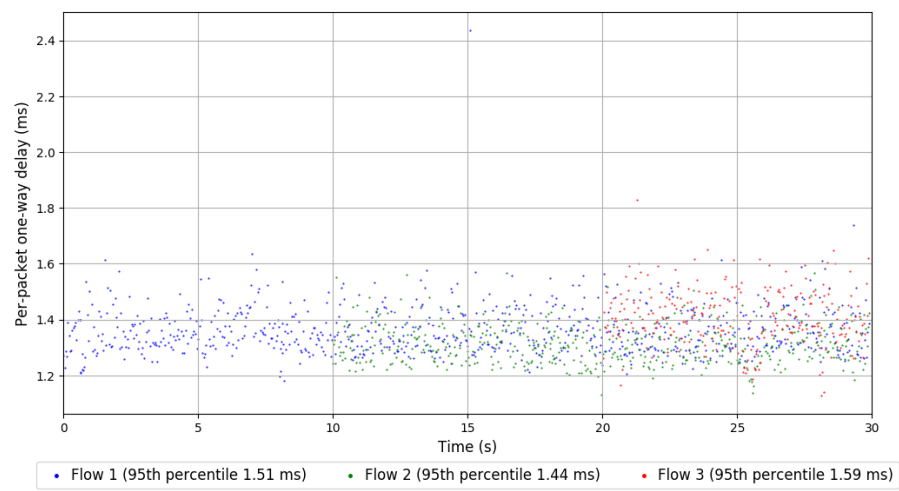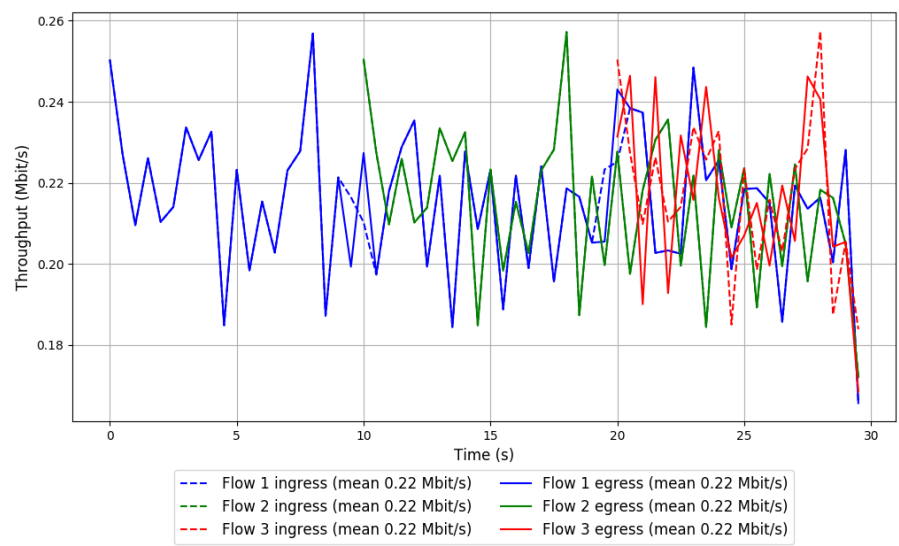
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 09:53:25 +0000
End at: Sat, 29 Jul 2017 09:53:55 +0000
Local clock offset: 0.322 ms
Remote clock offset: -0.483 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.381 ms
Loss rate: 0.00%
```
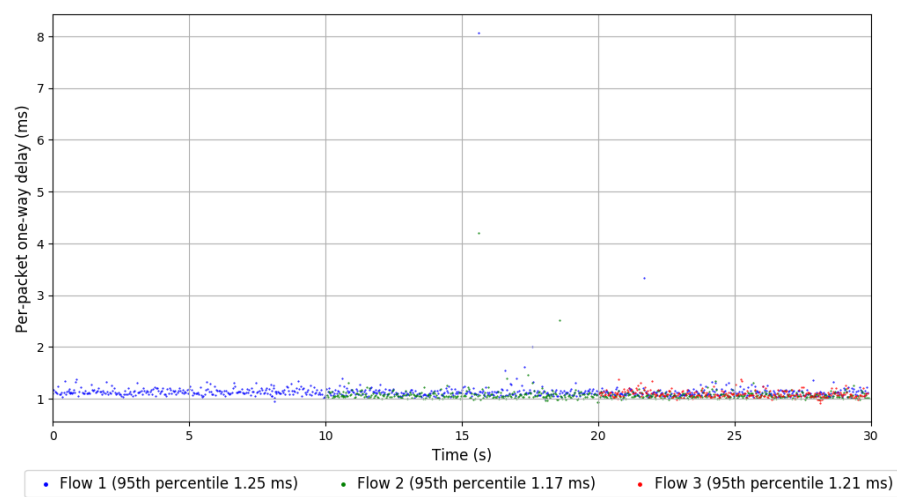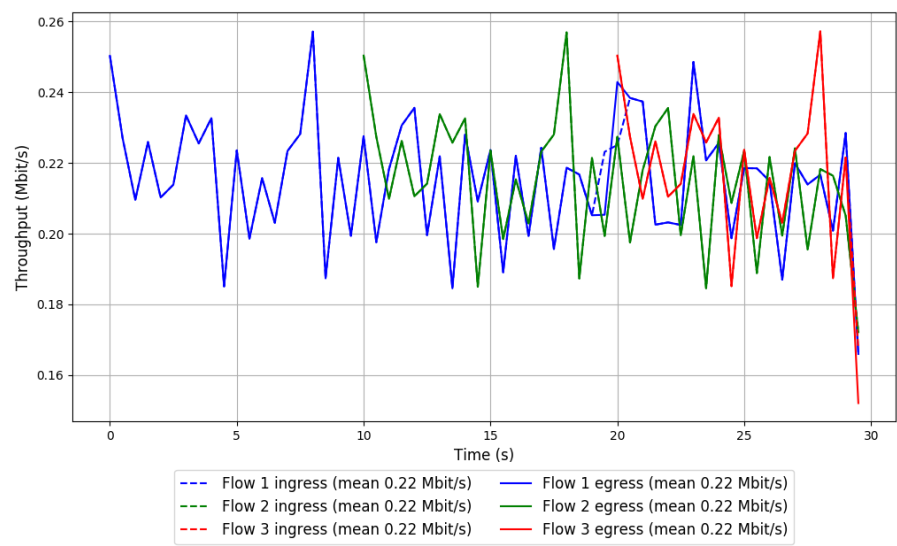
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 10:15:38 +0000
End at: Sat, 29 Jul 2017 10:16:08 +0000
Local clock offset: 0.428 ms
Remote clock offset: -0.333 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.513 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.512 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.592 ms
Loss rate: 0.35%
```
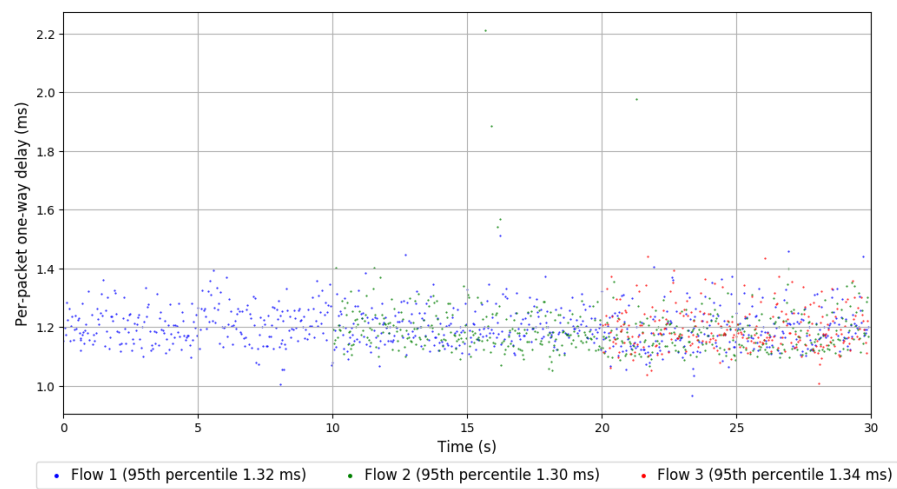
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 10:37:44 +0000
End at: Sat, 29 Jul 2017 10:38:14 +0000
Local clock offset: 0.259 ms
Remote clock offset: -0.522 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.35%
```
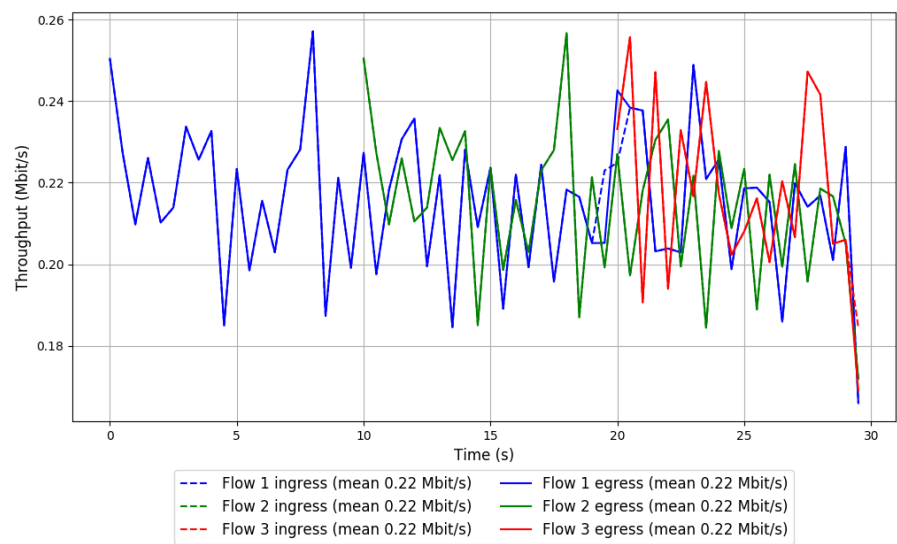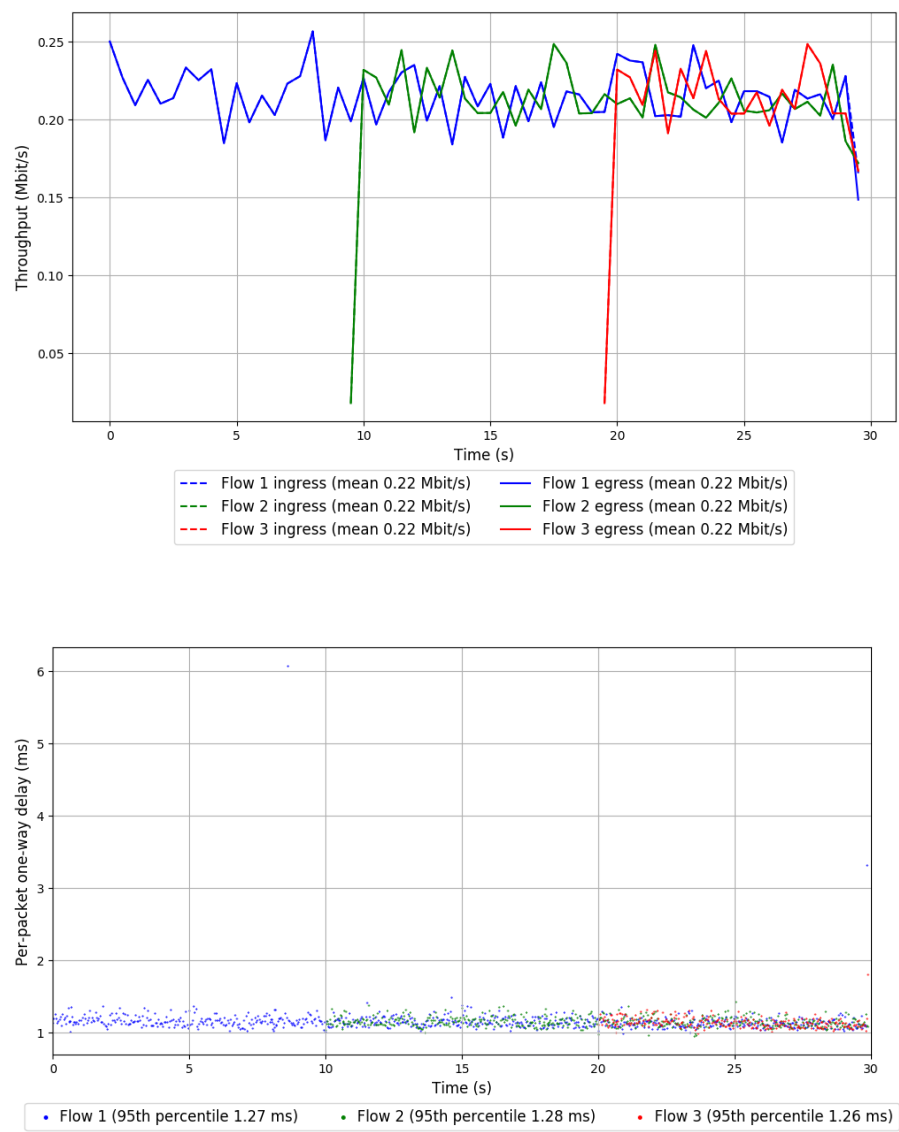
Run 8: Report of SCReAM — Data Link

199

```
Run 9: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 10:59:45 +0000
End at: Sat, 29 Jul 2017 11:00:15 +0000
Local clock offset: 0.315 ms
Remote clock offset: -0.674 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.35%
```
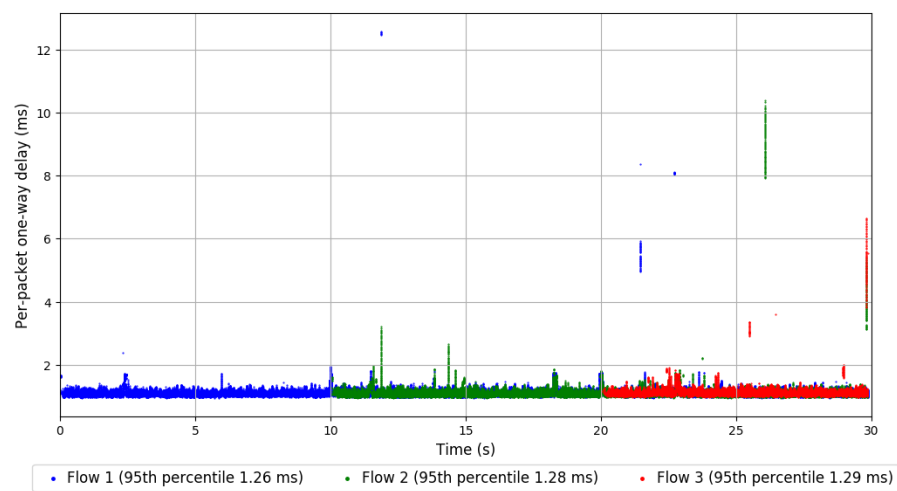
Run 9: Report of SCReAM — Data Link

201

```
Run 10: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 11:21:53 +0000
End at: Sat, 29 Jul 2017 11:22:23 +0000
Local clock offset: 0.317 ms
Remote clock offset: -0.537 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.00%
```
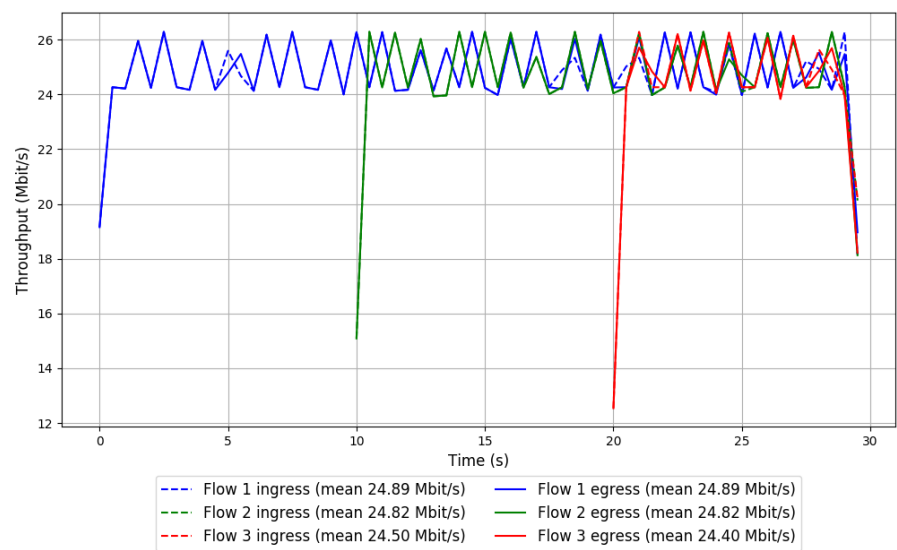
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:52:38 +0000
End at: Sat, 29 Jul 2017 07:53:08 +0000
Local clock offset: 0.7 ms
Remote clock offset: -1.034 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:40 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.41%
```
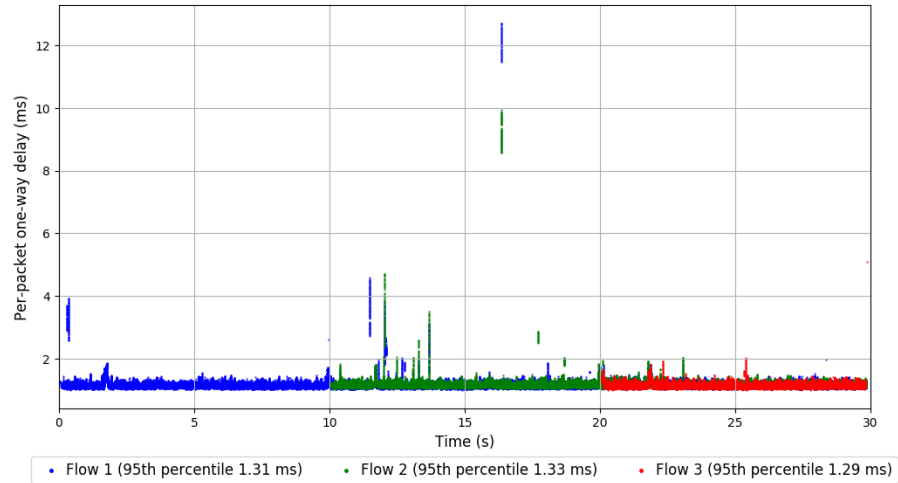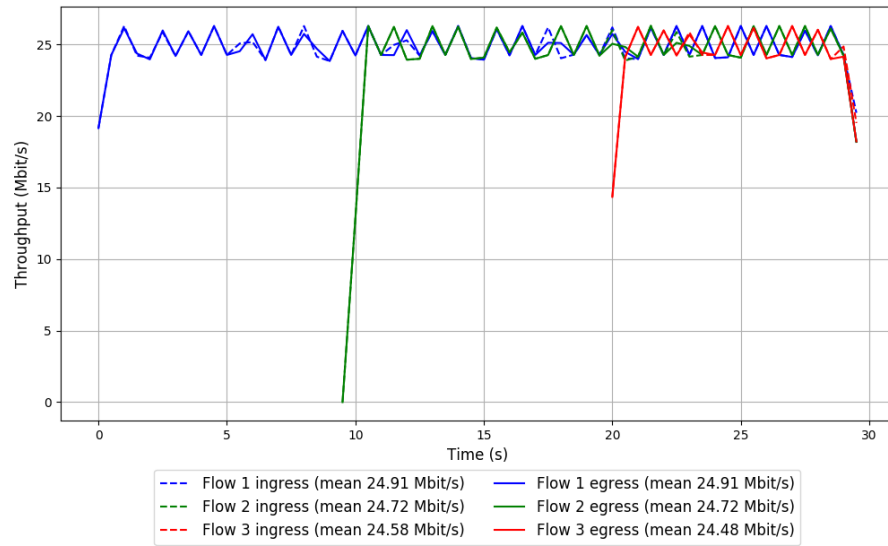
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Sat, 29 Jul 2017 08:14:09 +0000
End at: Sat, 29 Jul 2017 08:14:39 +0000
Local clock offset: 0.595 ms
Remote clock offset: -1.076 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.41%
```
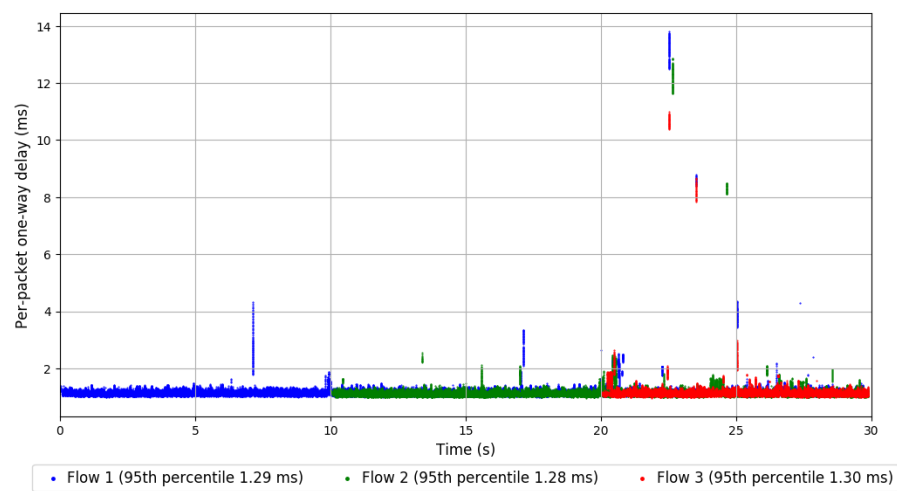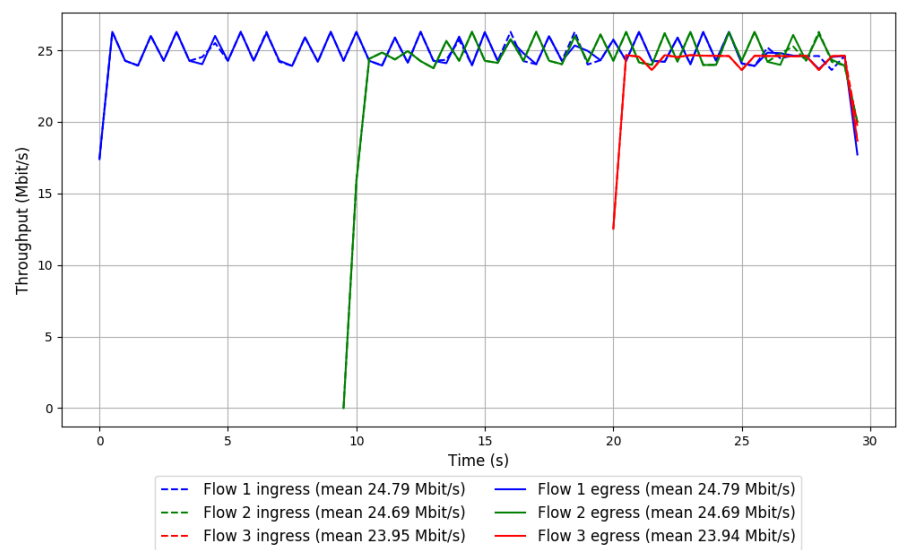
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: Sat, 29 Jul 2017 08:36:35 +0000
End at: Sat, 29 Jul 2017 08:37:05 +0000
Local clock offset: 0.459 ms
Remote clock offset: -0.818 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.09 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.21%
```
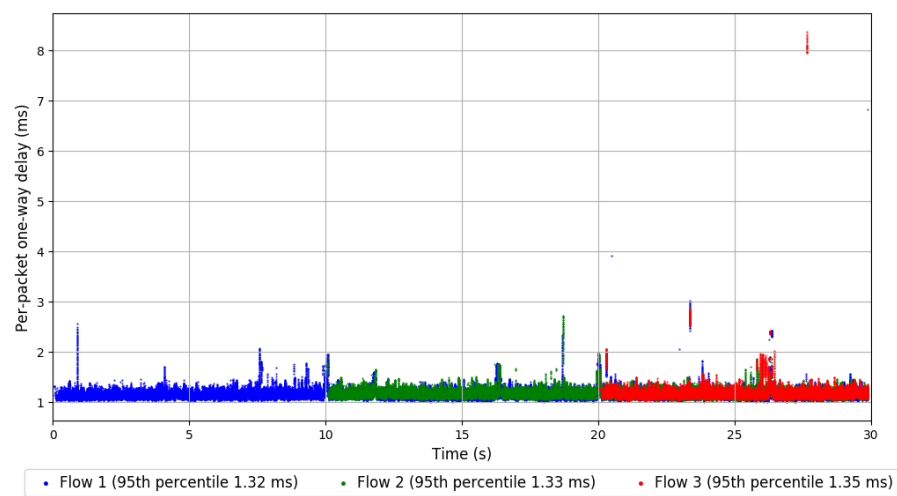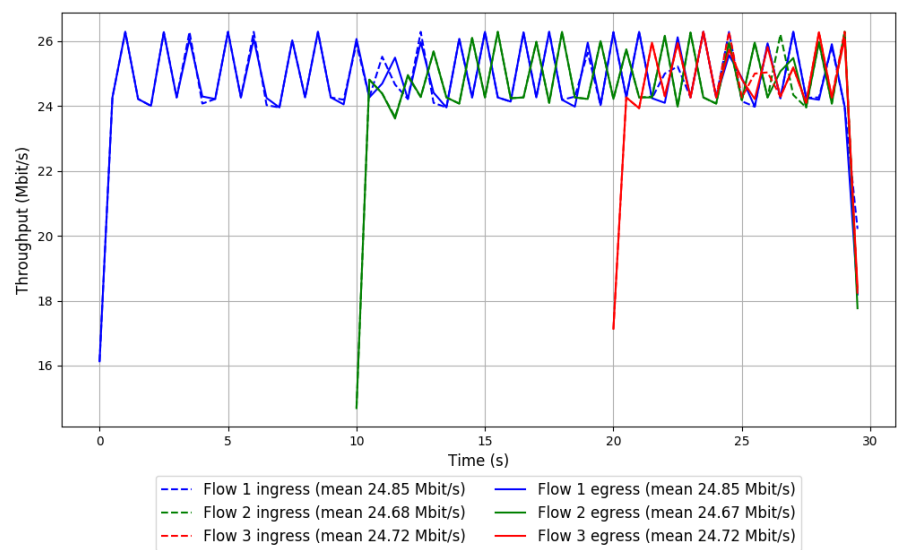
Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: Sat, 29 Jul 2017 08:58:53 +0000
End at: Sat, 29 Jul 2017 08:59:23 +0000
Local clock offset: 0.424 ms
Remote clock offset: -0.432 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 1.327 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 1.348 ms
Loss rate: 0.00%
```
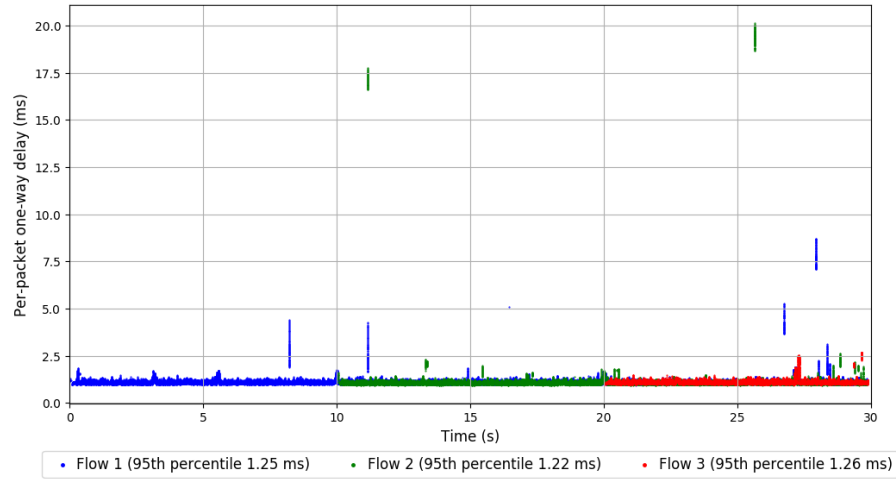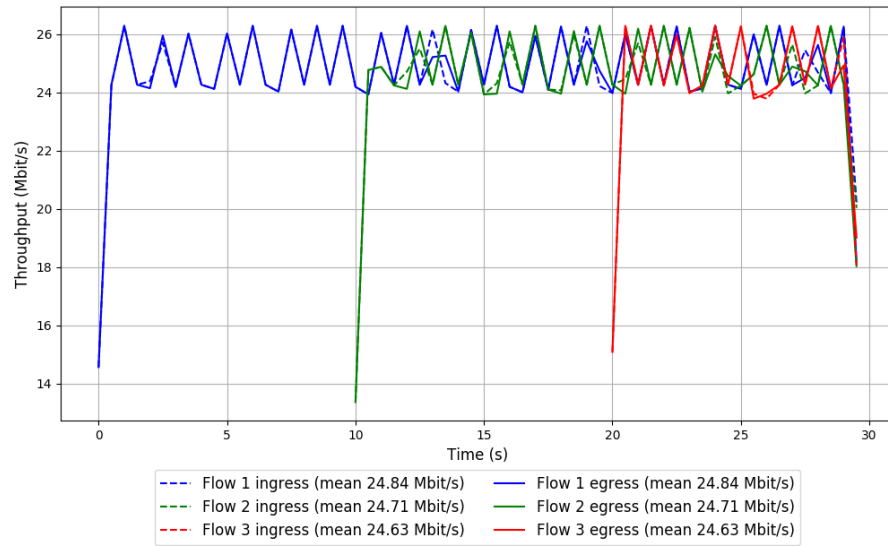
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: Sat, 29 Jul 2017 09:21:02 +0000
End at: Sat, 29 Jul 2017 09:21:32 +0000
Local clock offset: 0.312 ms
Remote clock offset: -0.707 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%
```
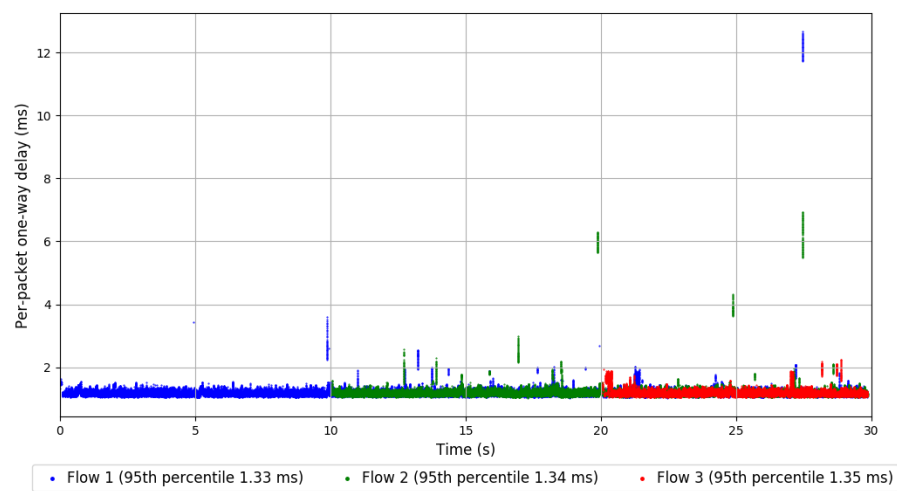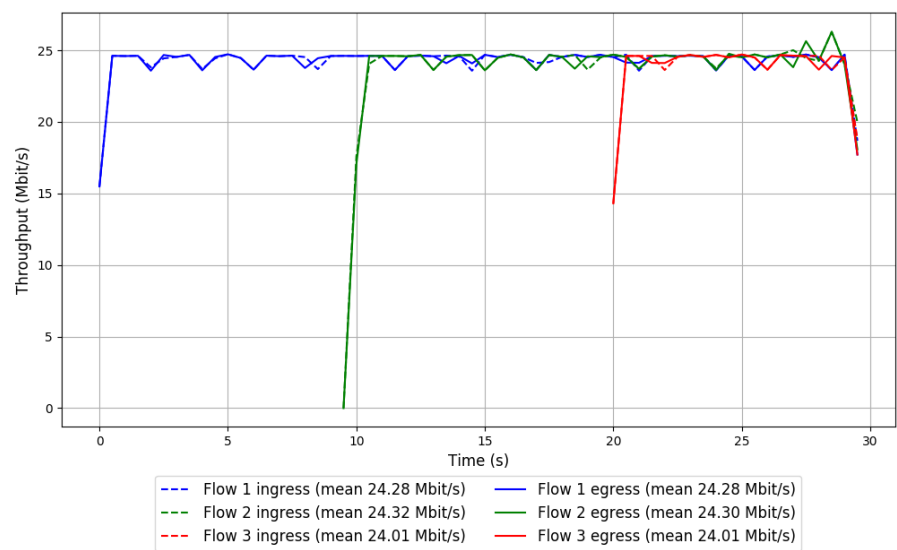
Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: Sat, 29 Jul 2017 09:43:14 +0000
End at: Sat, 29 Jul 2017 09:43:44 +0000
Local clock offset: 0.403 ms
Remote clock offset: -0.29 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:35:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 1.338 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 0.23%
```
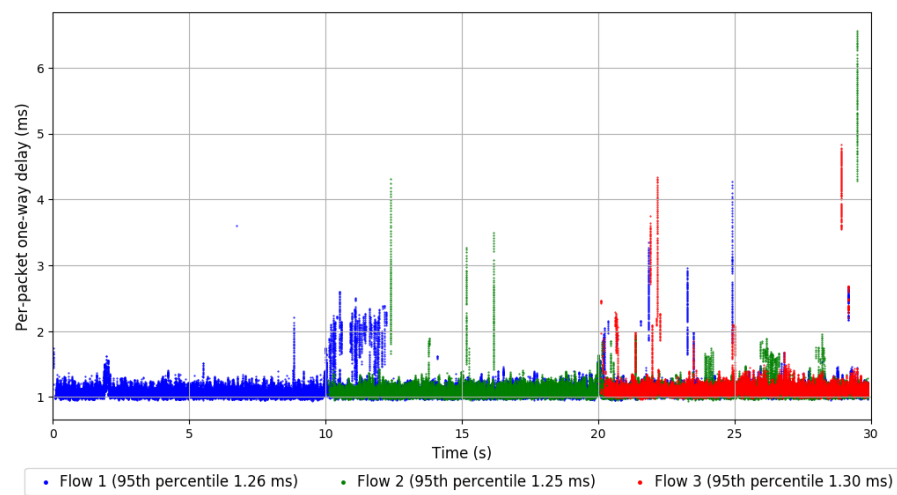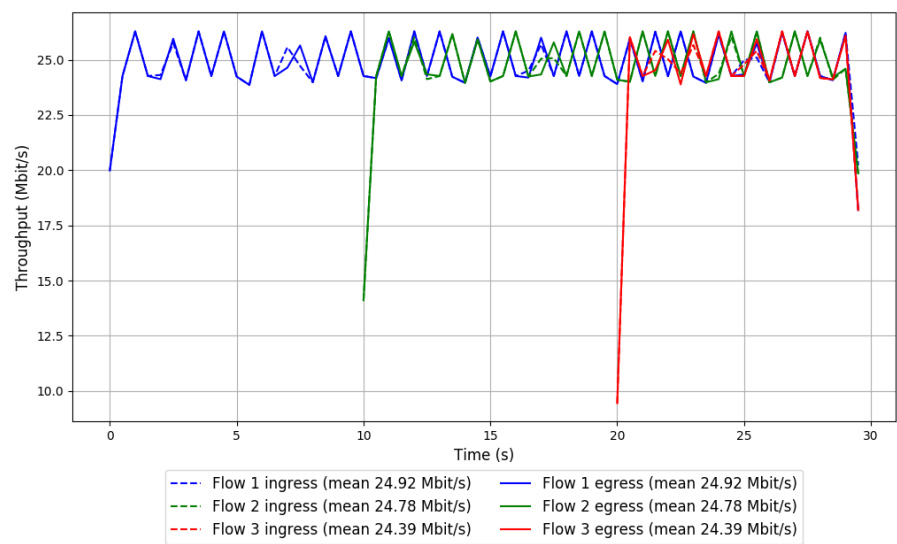
Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: Sat, 29 Jul 2017 10:05:11 +0000
End at: Sat, 29 Jul 2017 10:05:41 +0000
Local clock offset: 0.311 ms
Remote clock offset: -0.381 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:36:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%
```
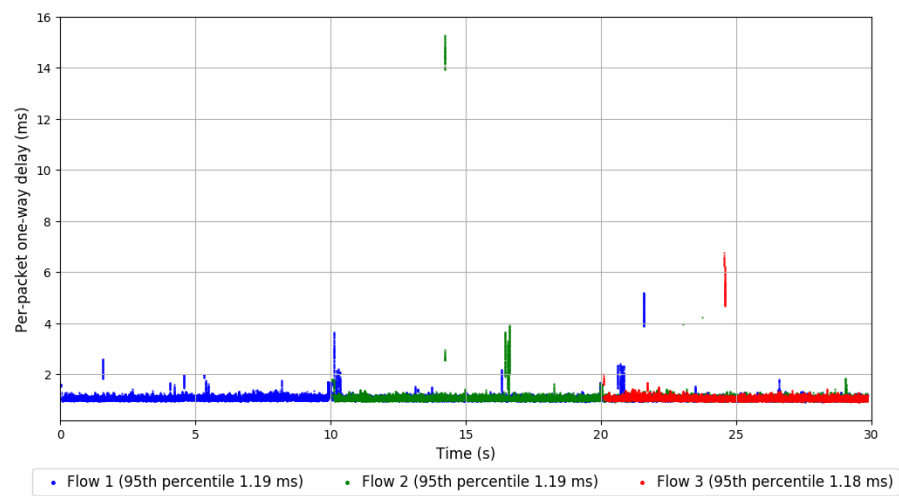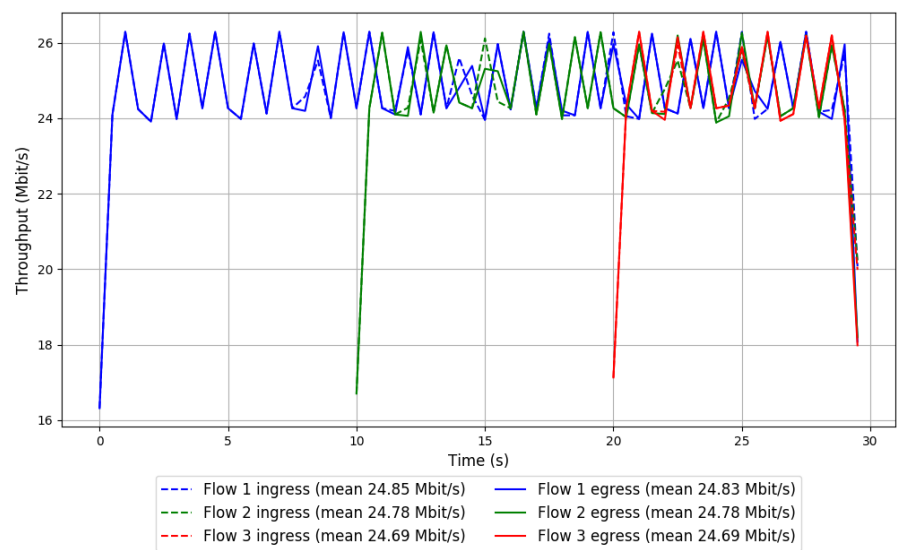
Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: Sat, 29 Jul 2017 10:27:26 +0000
End at: Sat, 29 Jul 2017 10:27:56 +0000
Local clock offset: 0.305 ms
Remote clock offset: -0.274 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:36:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.41%
```
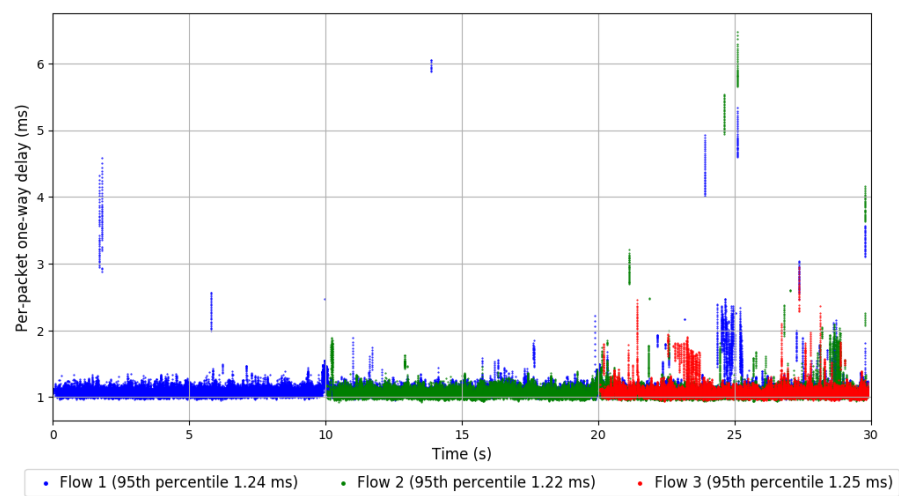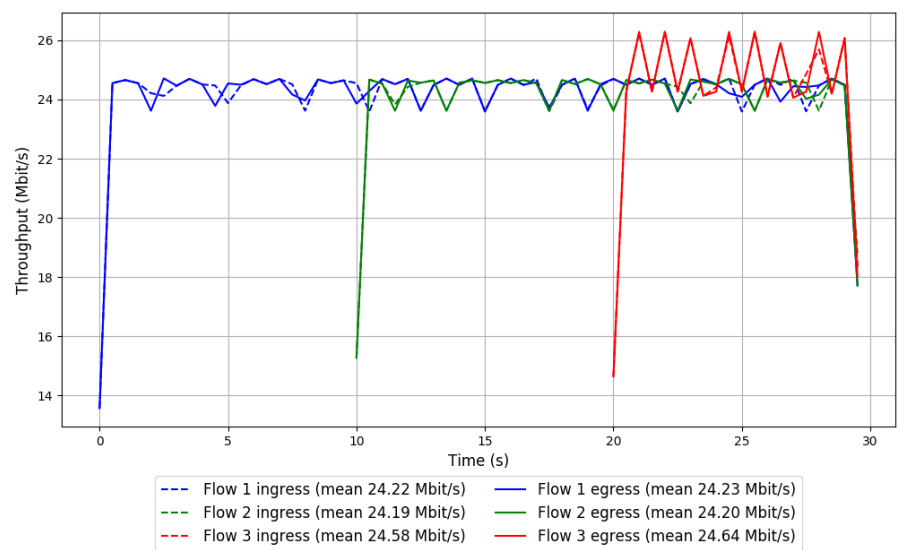
Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 24.85 Mbit/s)   Flow 1 egress (mean 24.83 Mbit/s)
Flow 2 ingress (mean 24.78 Mbit/s)   Flow 2 egress (mean 24.78 Mbit/s)
Flow 3 ingress (mean 24.69 Mbit/s)   Flow 3 egress (mean 24.69 Mbit/s)

Flow 1 (95th percentile 1.19 ms)   Flow 2 (95th percentile 1.19 ms)   Flow 3 (95th percentile 1.18 ms)

219

```
Run 9: Statistics of Sprout

Start at: Sat, 29 Jul 2017 10:49:34 +0000
End at: Sat, 29 Jul 2017 10:50:04 +0000
Local clock offset: 0.305 ms
Remote clock offset: -0.772 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:36:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.07%
```
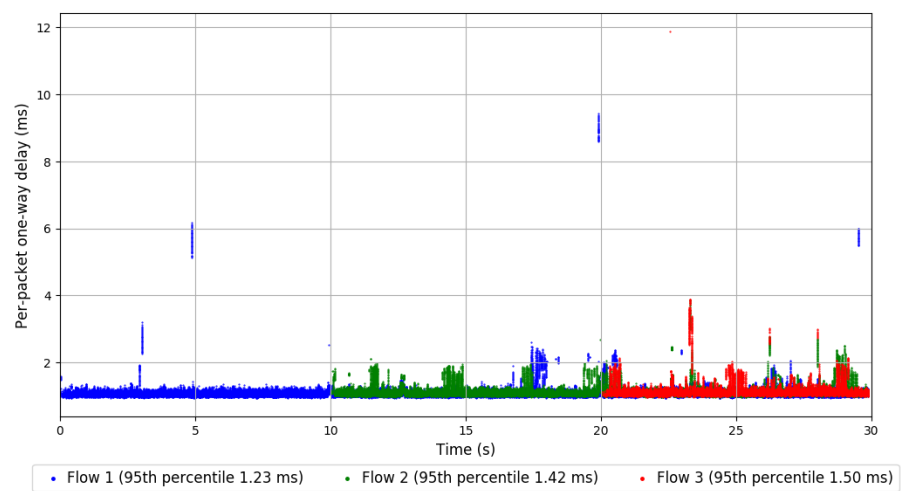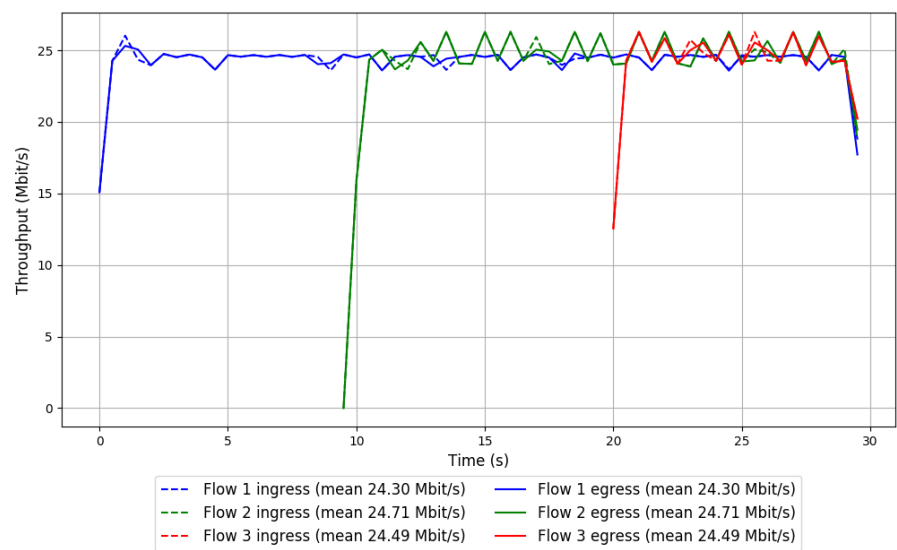
Run 9: Report of Sprout — Data Link

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```
Run 10: Statistics of Sprout

Start at: Sat, 29 Jul 2017 11:11:34 +0000
End at: Sat, 29 Jul 2017 11:12:04 +0000
Local clock offset: 0.334 ms
Remote clock offset: -0.573 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:36:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 1.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.00%
```
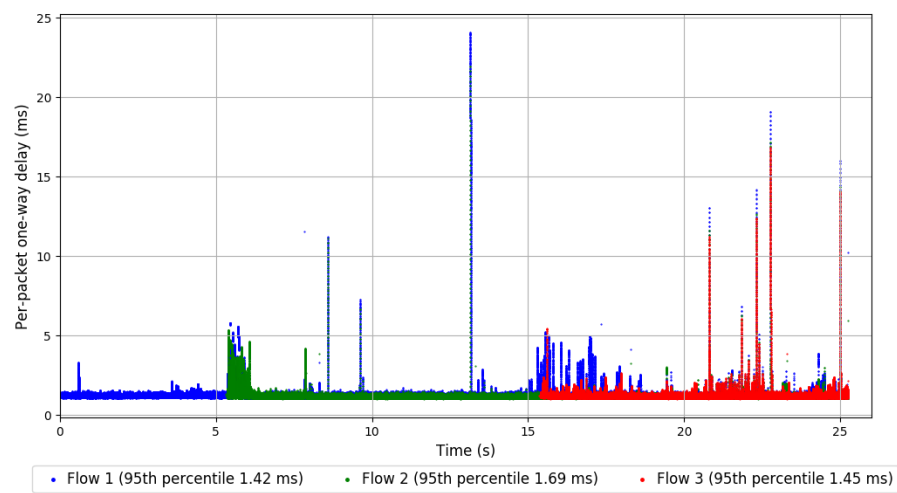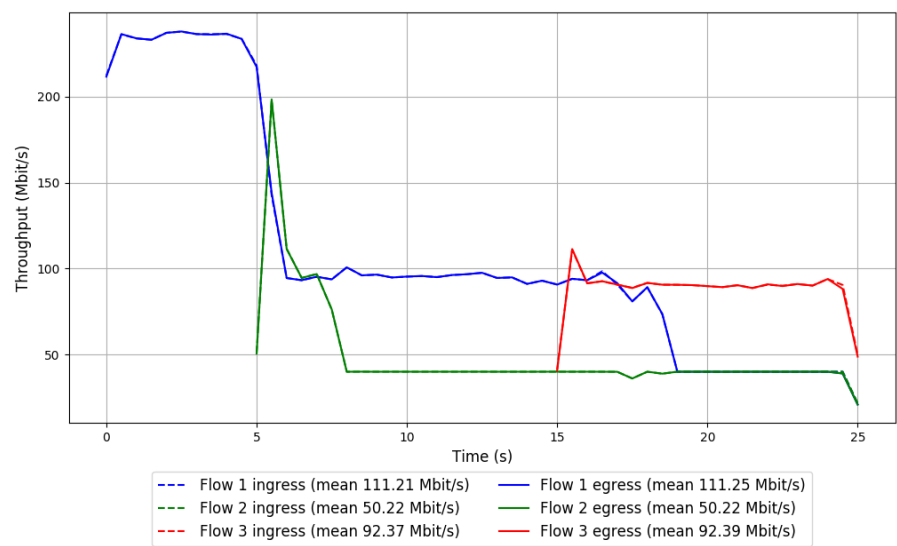
Run 10: Report of Sprout — Data Link

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

Start at: Sat, 29 Jul 2017 07:58:13 +0000
End at: Sat, 29 Jul 2017 07:58:43 +0000
Local clock offset: 0.747 ms
Remote clock offset: -1.122 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:36:40 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 187.10 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 111.25 Mbit/s
95th percentile per-packet one-way delay: 1.417 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 1.689 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 1.451 ms
Loss rate: 0.19%
```
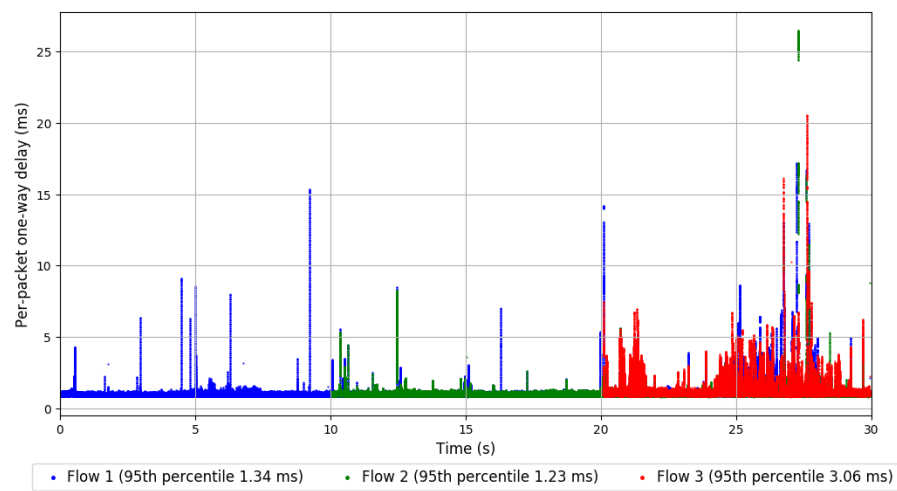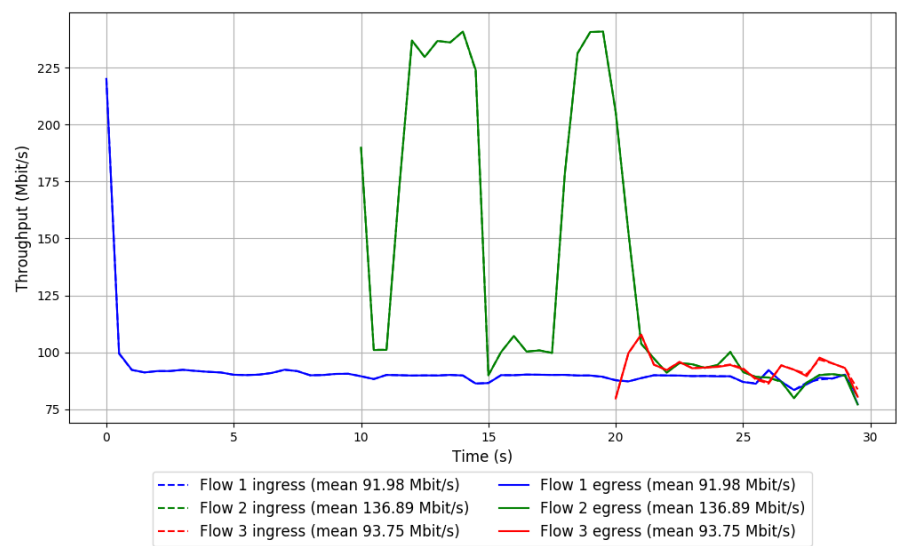
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 111.21 Mbit/s)   Flow 1 egress (mean 111.25 Mbit/s)
Flow 2 ingress (mean 50.22 Mbit/s)   Flow 2 egress (mean 50.22 Mbit/s)
Flow 3 ingress (mean 92.37 Mbit/s)   Flow 3 egress (mean 92.39 Mbit/s)

Flow 1 (95th percentile 1.42 ms)   Flow 2 (95th percentile 1.69 ms)   Flow 3 (95th percentile 1.45 ms)

225

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

Start at: Sat, 29 Jul 2017 08:19:55 +0000
End at: Sat, 29 Jul 2017 08:20:25 +0000
Local clock offset: 0.43 ms
Remote clock offset: -0.979 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:37:00 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.04 Mbit/s
95th percentile per-packet one-way delay: 1.542 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 136.89 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 3.057 ms
Loss rate: 0.18%
```
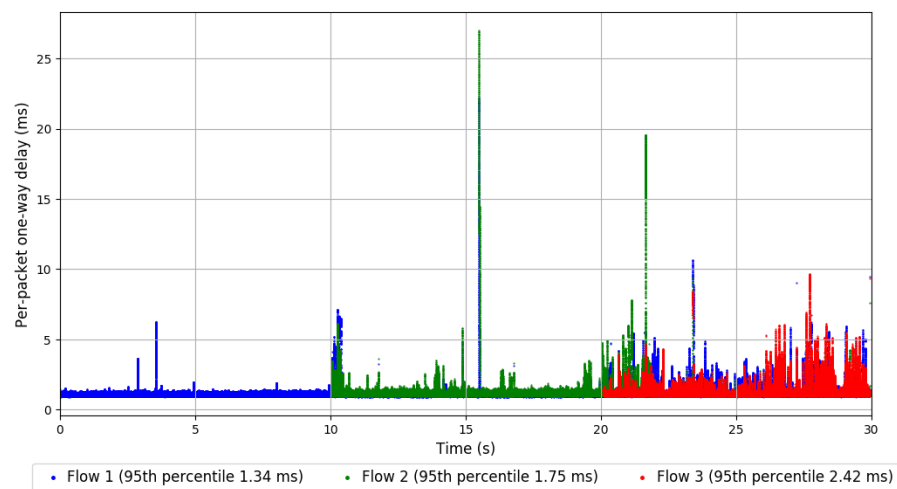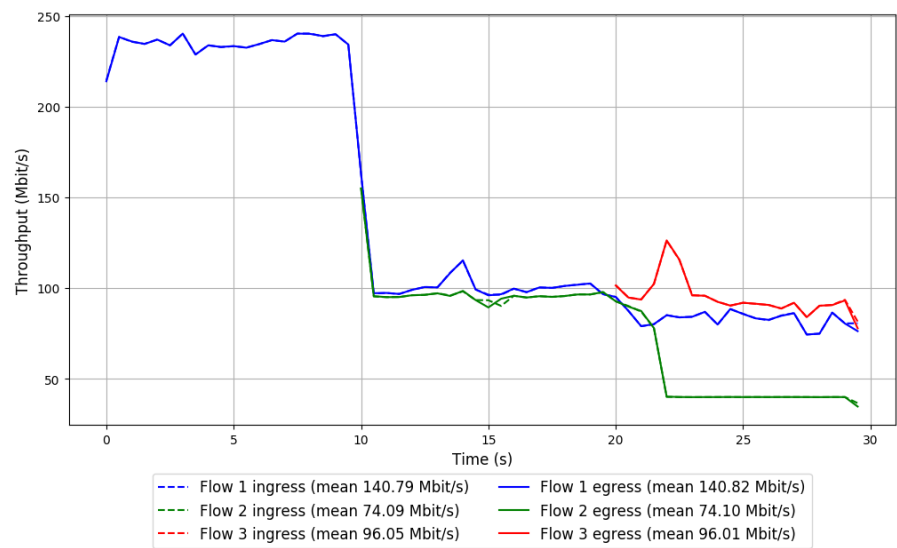
Run 2: Report of TaoVA-100x — Data Link

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

Start at: Sat, 29 Jul 2017 08:42:18 +0000
End at: Sat, 29 Jul 2017 08:42:48 +0000
Local clock offset: 0.414 ms
Remote clock offset: -0.736 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:37:31 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.84 Mbit/s
95th percentile per-packet one-way delay: 1.610 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 140.82 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 1.753 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 2.419 ms
Loss rate: 0.22%
```
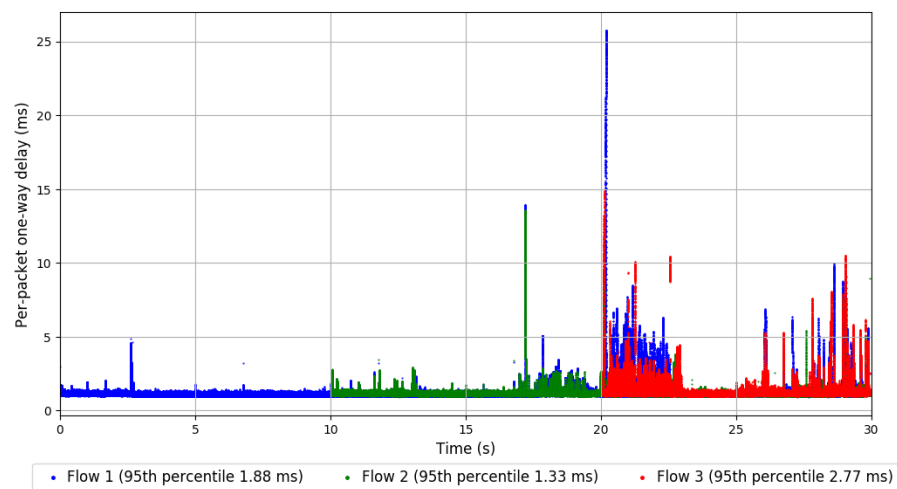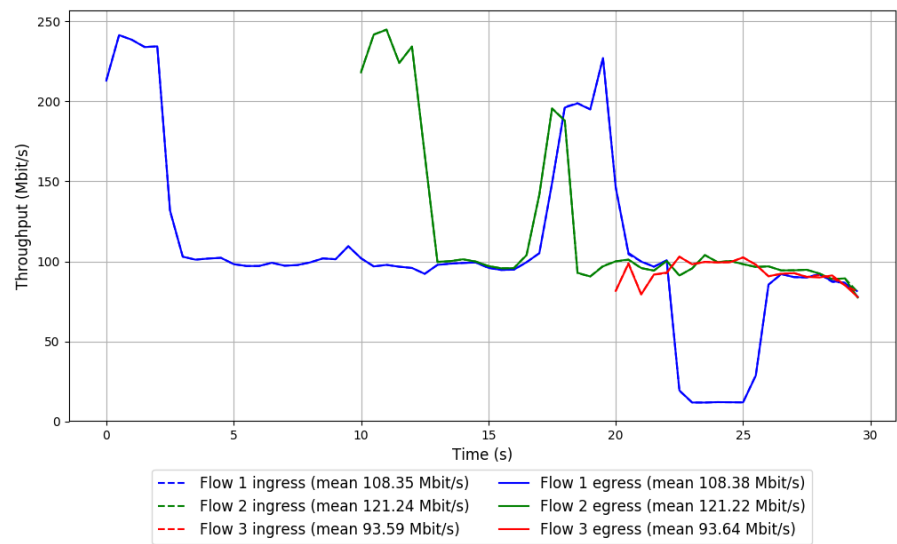
Run 3: Report of TaoVA-100x — Data Link

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

Start at: Sat, 29 Jul 2017 09:04:31 +0000
End at: Sat, 29 Jul 2017 09:05:01 +0000
Local clock offset: 0.36 ms
Remote clock offset: -0.531 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:37:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 220.05 Mbit/s
95th percentile per-packet one-way delay: 1.780 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 108.38 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 121.22 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 2.770 ms
Loss rate: 0.18%
```
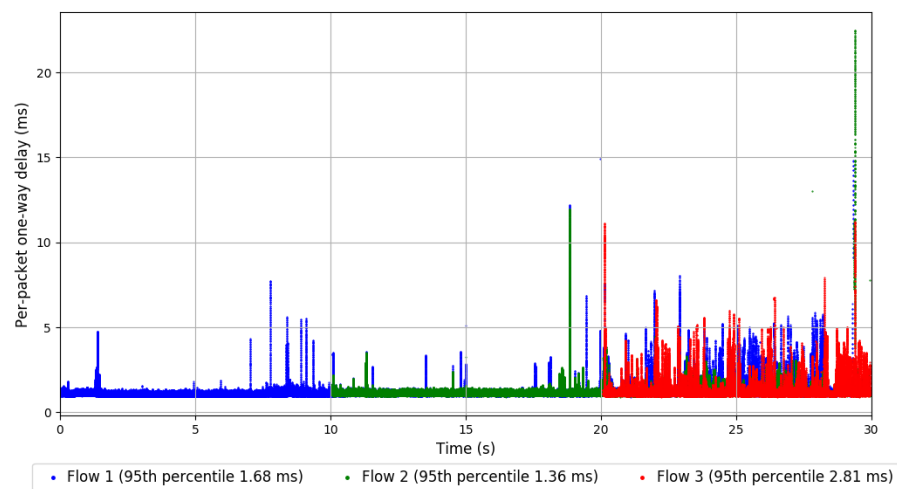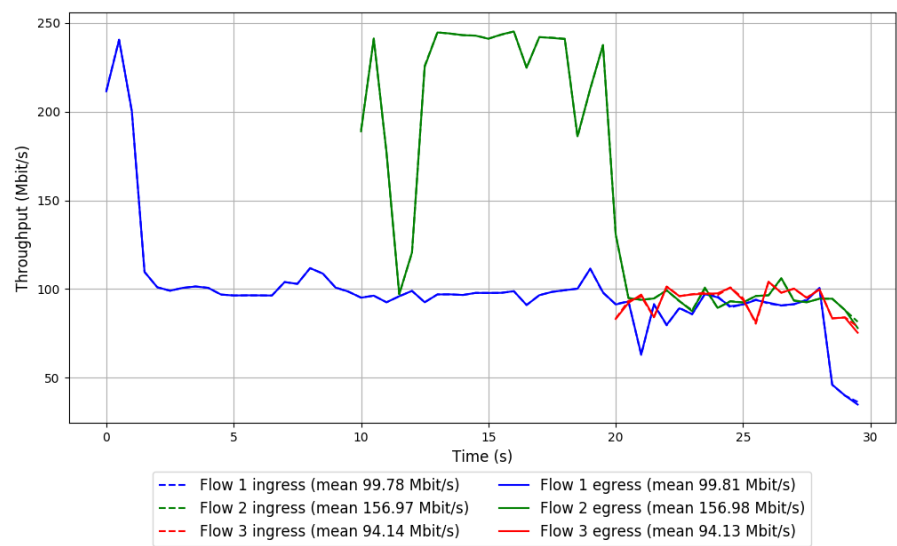
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 108.35 Mbit/s) --- Flow 1 egress (mean 108.38 Mbit/s)
Flow 2 ingress (mean 121.24 Mbit/s) --- Flow 2 egress (mean 121.22 Mbit/s)
Flow 3 ingress (mean 93.59 Mbit/s) --- Flow 3 egress (mean 93.64 Mbit/s)

Flow 1 (95th percentile 1.88 ms)   Flow 2 (95th percentile 1.33 ms)   Flow 3 (95th percentile 2.77 ms)

231

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

Start at: Sat, 29 Jul 2017 09:26:52 +0000
End at: Sat, 29 Jul 2017 09:27:22 +0000
Local clock offset: 0.42 ms
Remote clock offset: -0.485 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:38:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.29 Mbit/s
95th percentile per-packet one-way delay: 1.683 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 99.81 Mbit/s
95th percentile per-packet one-way delay: 1.680 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 156.98 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 2.809 ms
Loss rate: 0.19%
```
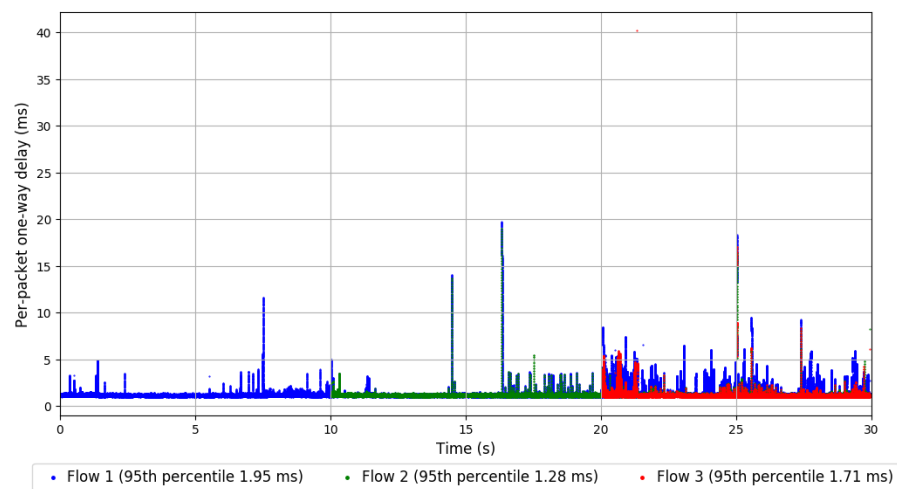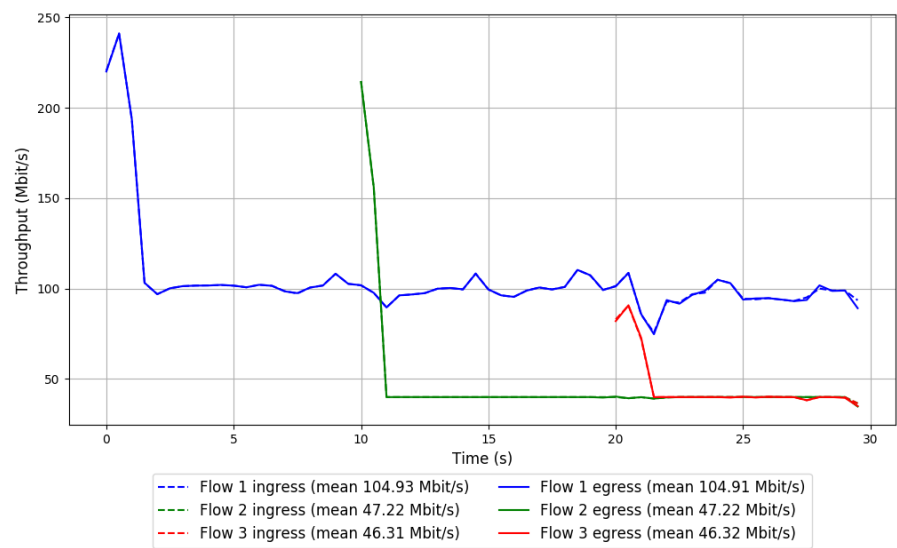
Run 5: Report of TaoVA-100x — Data Link

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

Start at: Sat, 29 Jul 2017 09:48:52 +0000
End at: Sat, 29 Jul 2017 09:49:22 +0000
Local clock offset: 0.41 ms
Remote clock offset: -0.357 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:38:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 151.68 Mbit/s
95th percentile per-packet one-way delay: 1.689 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 104.91 Mbit/s
95th percentile per-packet one-way delay: 1.947 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 47.22 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 46.32 Mbit/s
95th percentile per-packet one-way delay: 1.707 ms
Loss rate: 0.21%
```
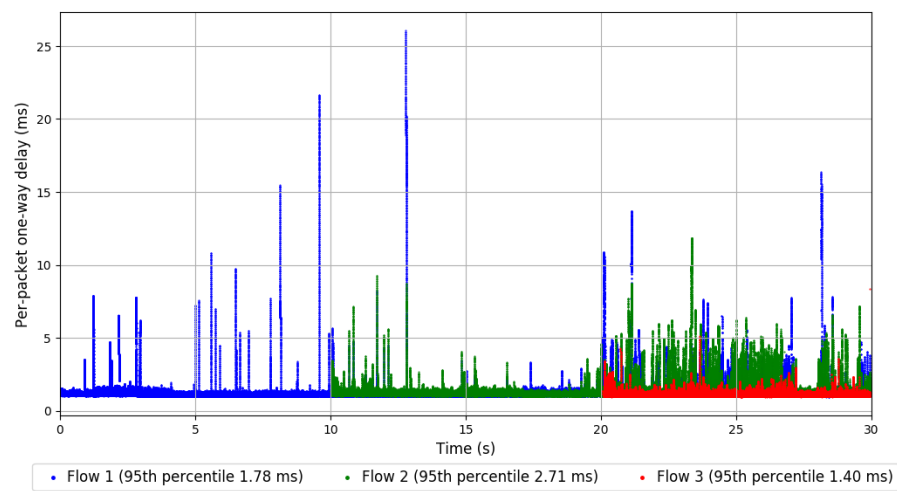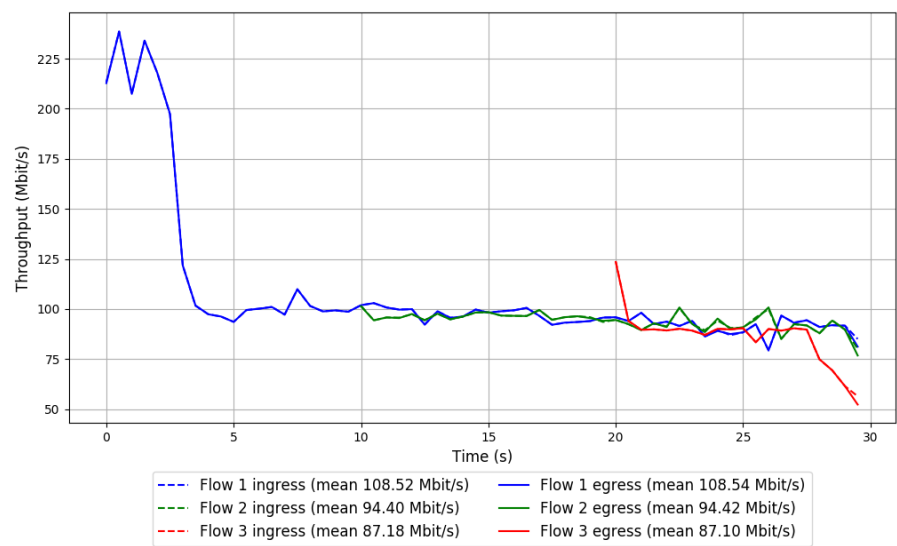
Run 6: Report of TaoVA-100x — Data Link

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

Start at: Sat, 29 Jul 2017 10:10:59 +0000
End at: Sat, 29 Jul 2017 10:11:29 +0000
Local clock offset: 0.4 ms
Remote clock offset: -0.29 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:39:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.14 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 108.54 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 2.705 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 1.399 ms
Loss rate: 0.24%
```
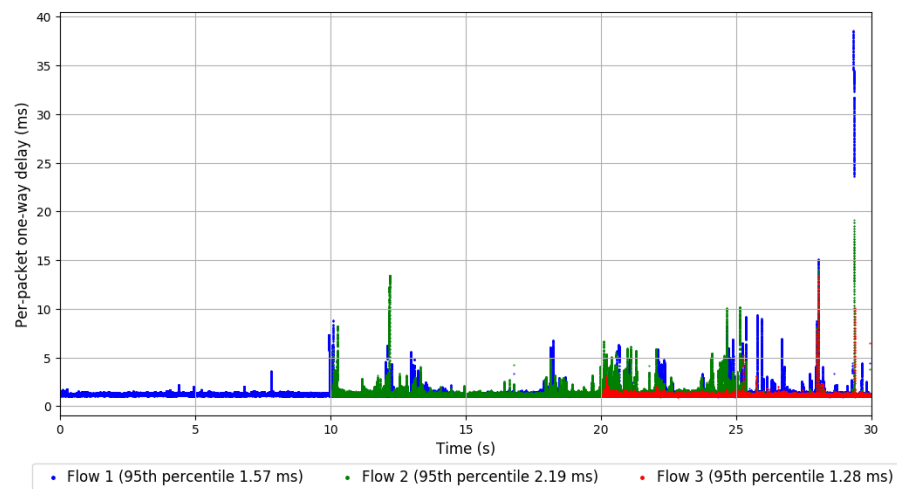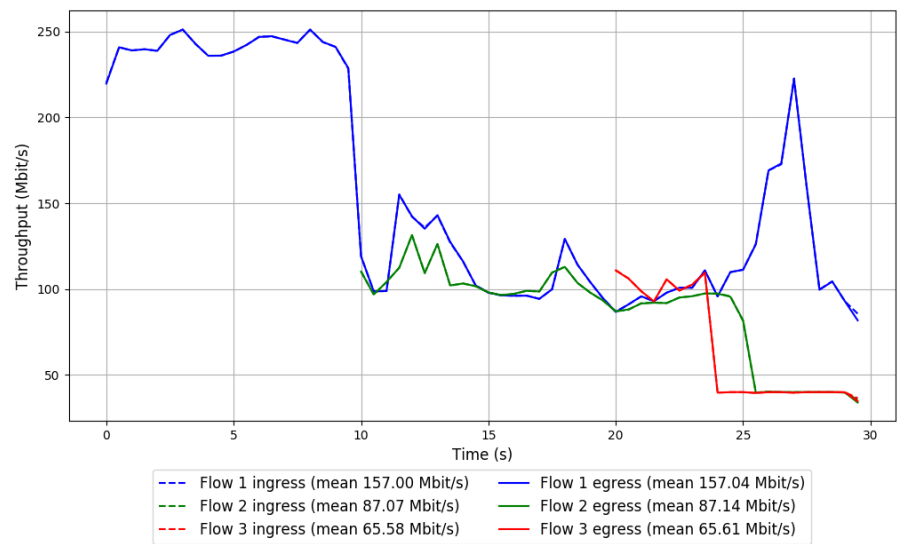
Run 7: Report of TaoVA-100x — Data Link

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

Start at: Sat, 29 Jul 2017 10:33:02 +0000
End at: Sat, 29 Jul 2017 10:33:32 +0000
Local clock offset: 0.359 ms
Remote clock offset: -0.458 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:39:30 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 236.70 Mbit/s
95th percentile per-packet one-way delay: 1.674 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 157.04 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 2.189 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.14%
```
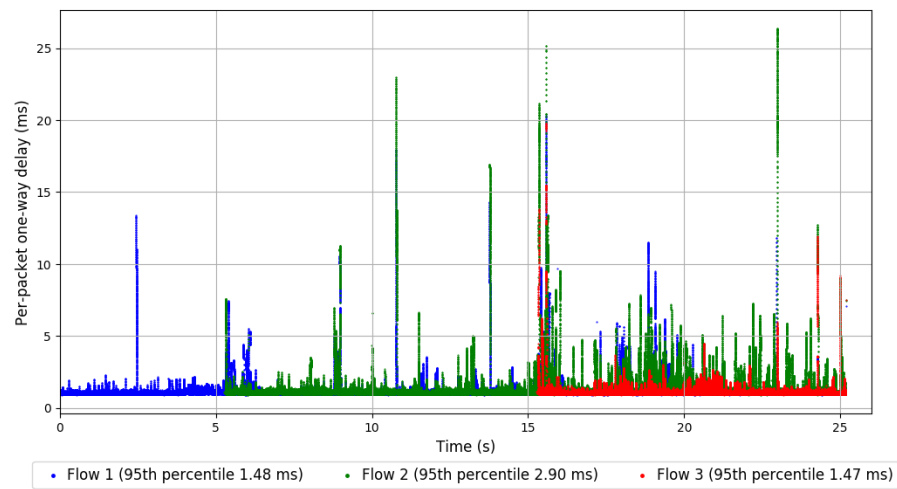
Run 8: Report of TaoVA-100x — Data Link

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

Start at: Sat, 29 Jul 2017 10:55:11 +0000
End at: Sat, 29 Jul 2017 10:55:41 +0000
Local clock offset: 0.335 ms
Remote clock offset: -0.673 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:39:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 210.71 Mbit/s
95th percentile per-packet one-way delay: 1.943 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 100.02 Mbit/s
95th percentile per-packet one-way delay: 1.484 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 2.903 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.26%
```
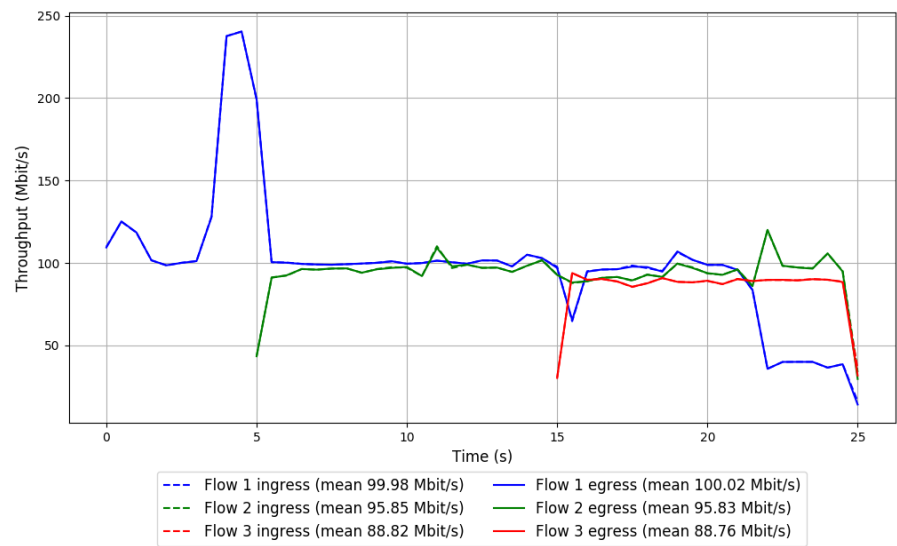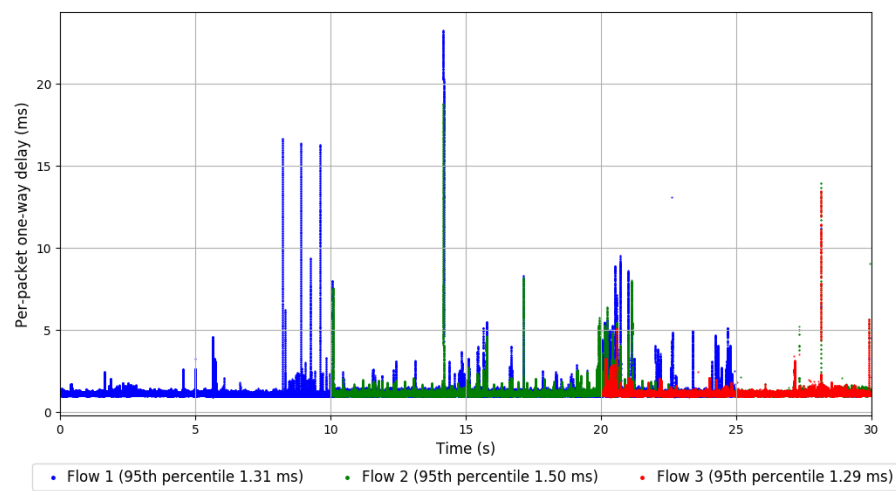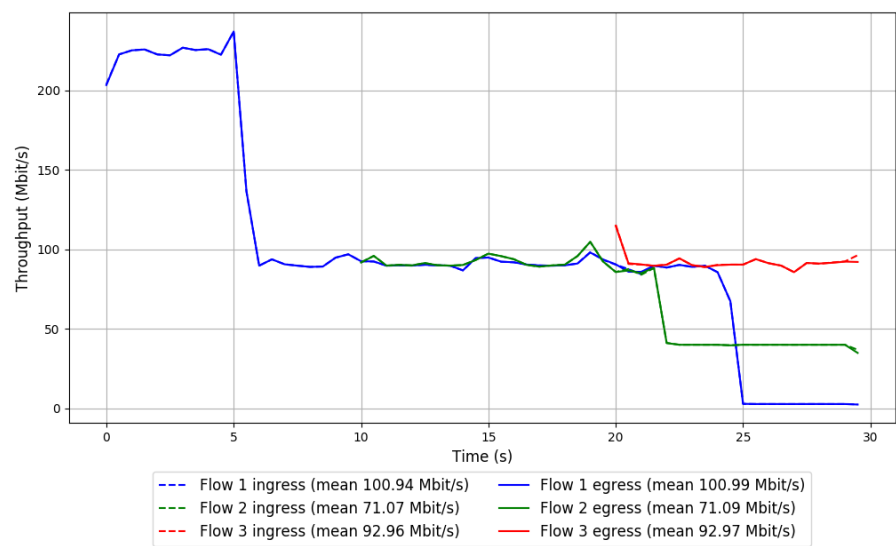
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 99.98 Mbit/s) — Flow 1 egress (mean 100.02 Mbit/s)
Flow 2 ingress (mean 95.85 Mbit/s) — Flow 2 egress (mean 95.83 Mbit/s)
Flow 3 ingress (mean 88.82 Mbit/s) — Flow 3 egress (mean 88.76 Mbit/s)

Flow 1 (95th percentile 1.48 ms)   Flow 2 (95th percentile 2.90 ms)   Flow 3 (95th percentile 1.47 ms)

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

Start at: Sat, 29 Jul 2017 11:17:16 +0000
End at: Sat, 29 Jul 2017 11:17:46 +0000
Local clock offset: 0.331 ms
Remote clock offset: -0.493 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:40:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 179.02 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 100.99 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.09 Mbit/s
95th percentile per-packet one-way delay: 1.505 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.25%
```
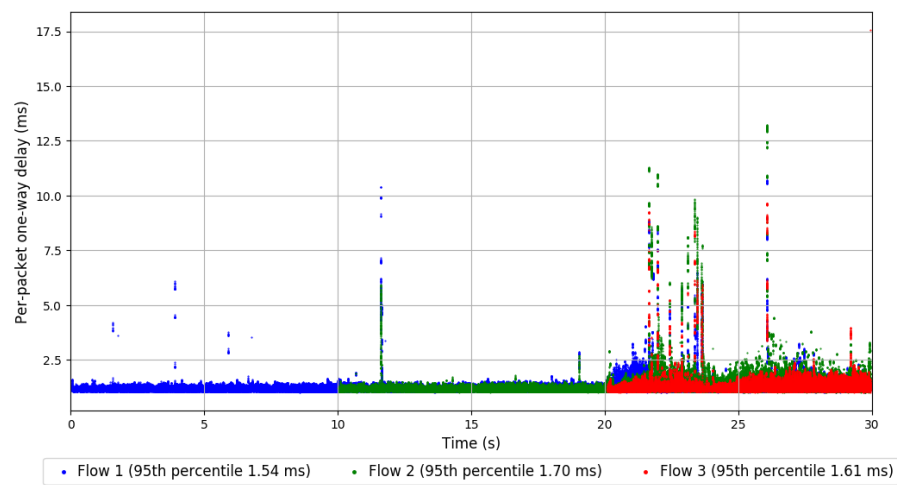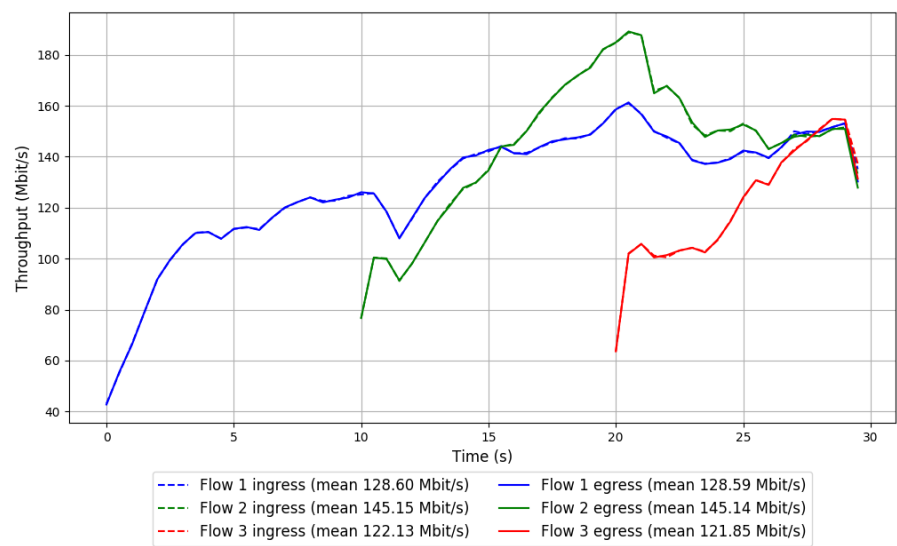
Run 10: Report of TaoVA-100x — Data Link

- - - Flow 1 ingress (mean 100.94 Mbit/s)   —— Flow 1 egress (mean 100.99 Mbit/s)
- - - Flow 2 ingress (mean 71.07 Mbit/s)   —— Flow 2 egress (mean 71.09 Mbit/s)
- - - Flow 3 ingress (mean 92.96 Mbit/s)   —— Flow 3 egress (mean 92.97 Mbit/s)

- Flow 1 (95th percentile 1.31 ms)   • Flow 2 (95th percentile 1.50 ms)   • Flow 3 (95th percentile 1.29 ms)

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```
Run 1: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 07:55:39 +0000
End at: Sat, 29 Jul 2017 07:56:09 +0000
Local clock offset: 0.75 ms
Remote clock offset: -1.079 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:40:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.27 Mbit/s
95th percentile per-packet one-way delay: 1.607 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 128.59 Mbit/s
95th percentile per-packet one-way delay: 1.540 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 145.14 Mbit/s
95th percentile per-packet one-way delay: 1.695 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 121.85 Mbit/s
95th percentile per-packet one-way delay: 1.606 ms
Loss rate: 0.27%
```
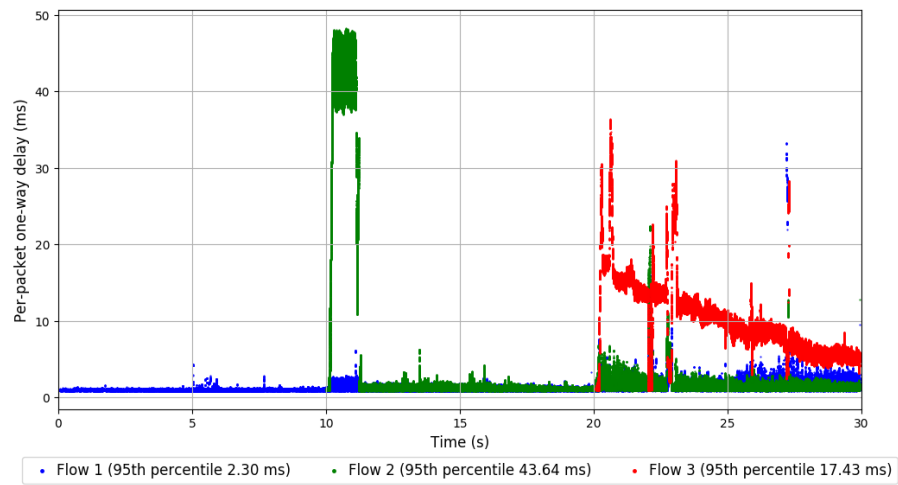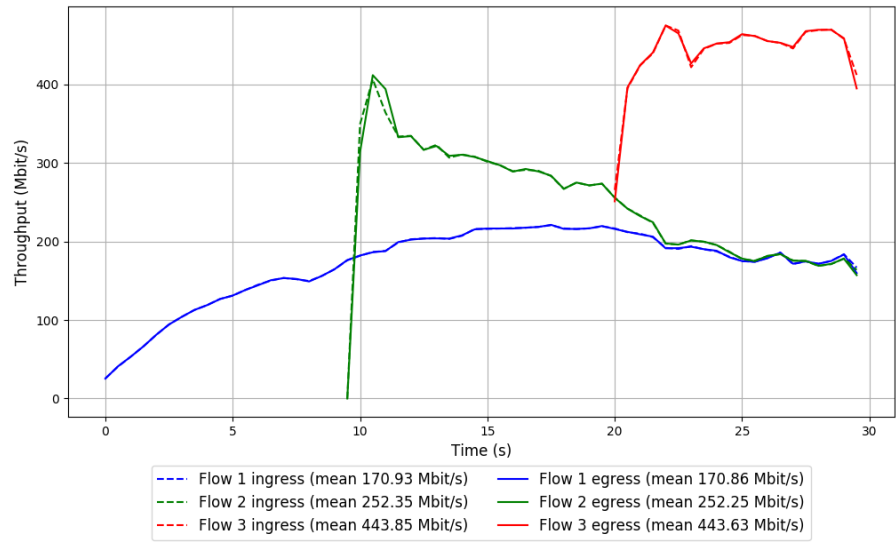
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 08:17:10 +0000
End at: Sat, 29 Jul 2017 08:17:40 +0000
Local clock offset: 0.482 ms
Remote clock offset: -0.985 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:41:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 485.30 Mbit/s
95th percentile per-packet one-way delay: 16.594 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 170.86 Mbit/s
95th percentile per-packet one-way delay: 2.301 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 252.25 Mbit/s
95th percentile per-packet one-way delay: 43.640 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 443.63 Mbit/s
95th percentile per-packet one-way delay: 17.428 ms
Loss rate: 0.25%
```
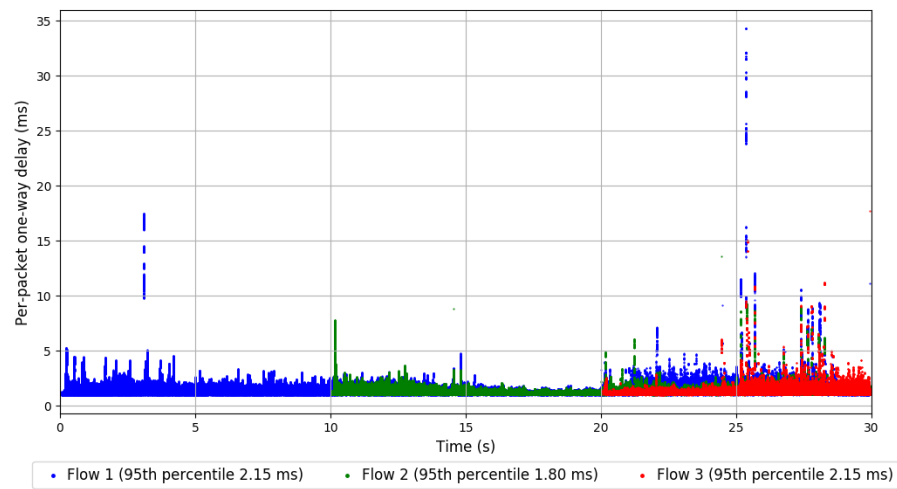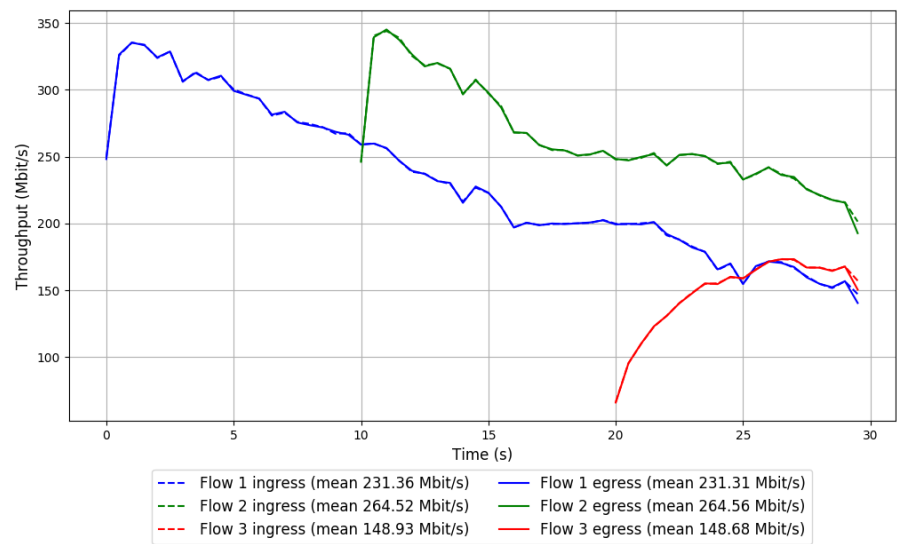
Run 2: Report of TCP Vegas — Data Link

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```
Run 3: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 08:39:34 +0000
End at: Sat, 29 Jul 2017 08:40:04 +0000
Local clock offset: 0.373 ms
Remote clock offset: -0.83 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 14:41:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 456.36 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 231.31 Mbit/s
95th percentile per-packet one-way delay: 2.151 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 264.56 Mbit/s
95th percentile per-packet one-way delay: 1.802 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 148.68 Mbit/s
95th percentile per-packet one-way delay: 2.150 ms
Loss rate: 0.24%
```
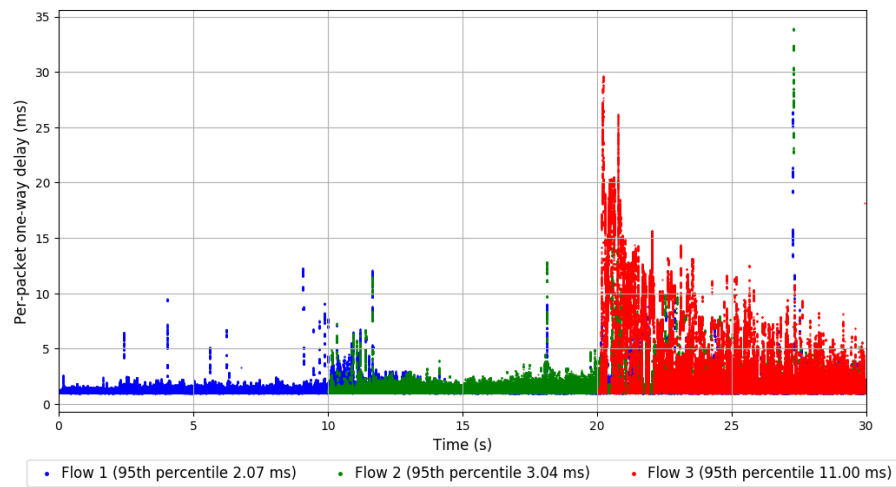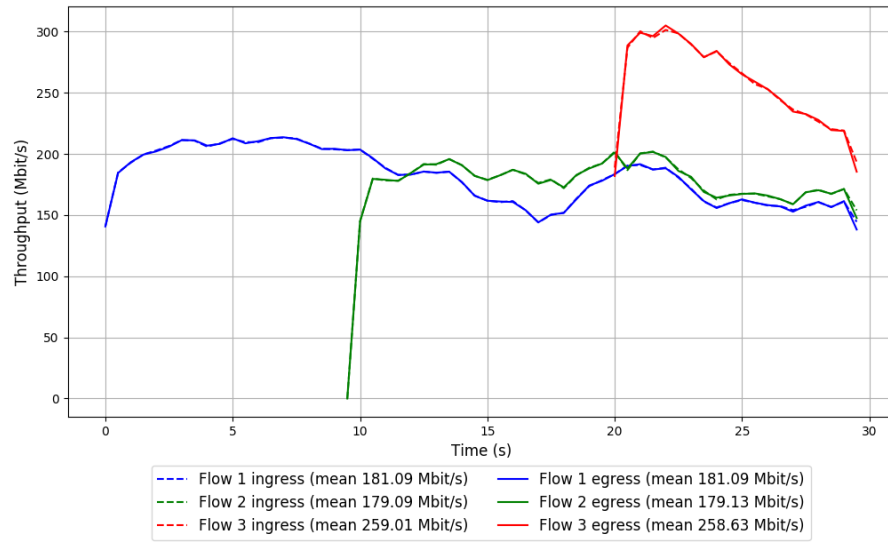
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 09:01:51 +0000
End at: Sat, 29 Jul 2017 09:02:21 +0000
Local clock offset: 0.357 ms
Remote clock offset: -0.497 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:42:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.99 Mbit/s
95th percentile per-packet one-way delay: 5.174 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 181.09 Mbit/s
95th percentile per-packet one-way delay: 2.071 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 179.13 Mbit/s
95th percentile per-packet one-way delay: 3.038 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 258.63 Mbit/s
95th percentile per-packet one-way delay: 10.998 ms
Loss rate: 0.17%
```
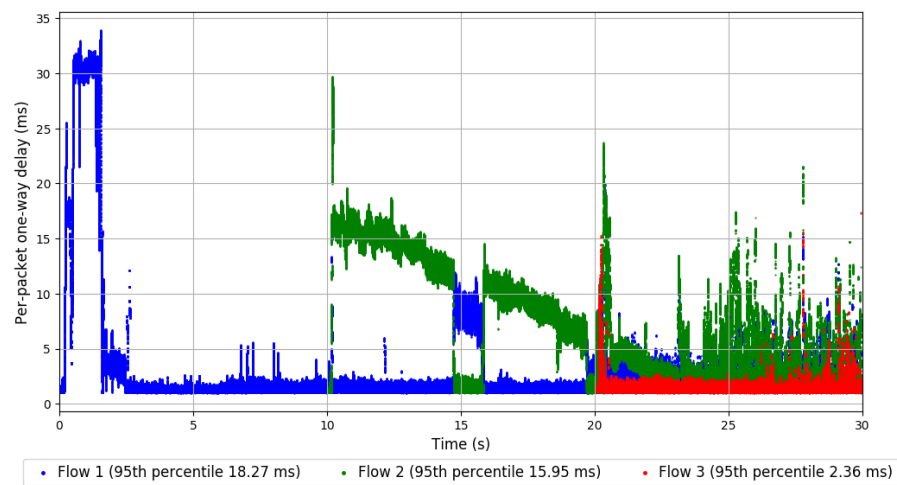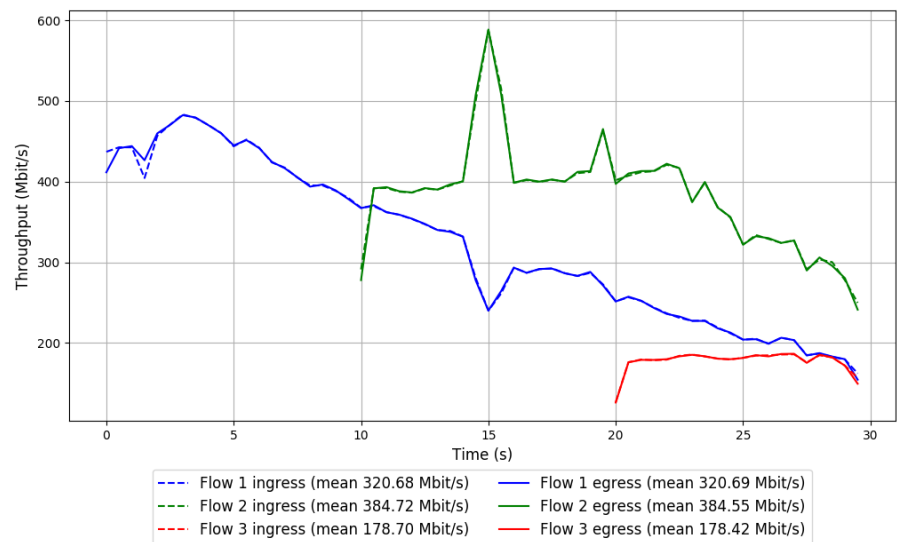
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 09:24:00 +0000
End at: Sat, 29 Jul 2017 09:24:30 +0000
Local clock offset: 0.334 ms
Remote clock offset: -0.662 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:42:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 635.74 Mbit/s
95th percentile per-packet one-way delay: 15.972 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 320.69 Mbit/s
95th percentile per-packet one-way delay: 18.269 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 384.55 Mbit/s
95th percentile per-packet one-way delay: 15.951 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 178.42 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.20%
```
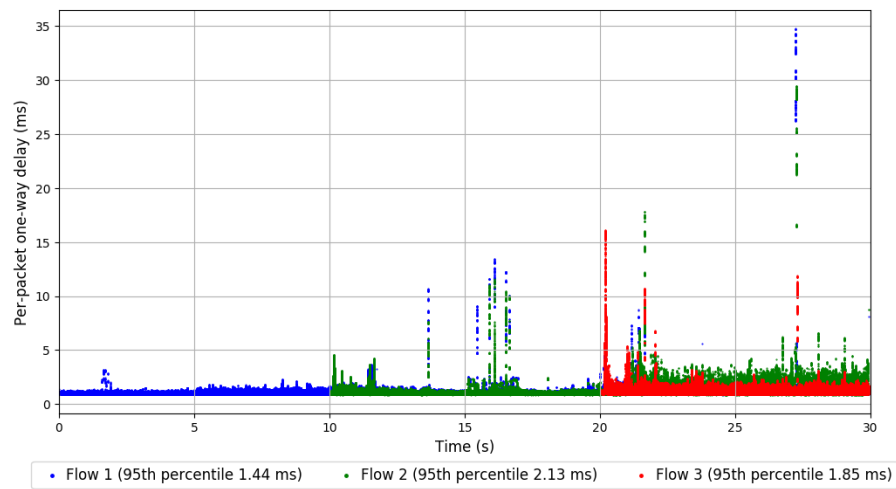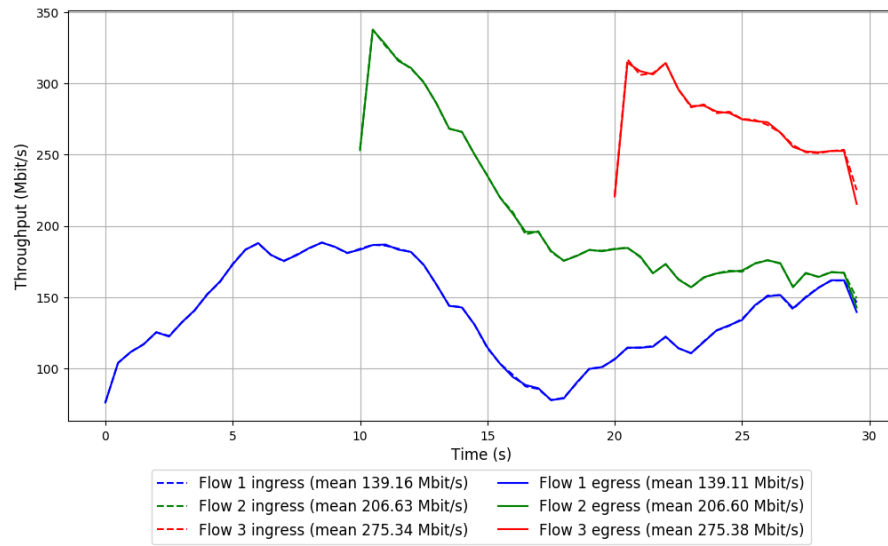
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 320.68 Mbit/s)   Flow 1 egress (mean 320.69 Mbit/s)
Flow 2 ingress (mean 384.72 Mbit/s)   Flow 2 egress (mean 384.55 Mbit/s)
Flow 3 ingress (mean 178.70 Mbit/s)   Flow 3 egress (mean 178.42 Mbit/s)

Flow 1 (95th percentile 18.27 ms)   Flow 2 (95th percentile 15.95 ms)   Flow 3 (95th percentile 2.36 ms)

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```
Run 6: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 09:46:12 +0000
End at: Sat, 29 Jul 2017 09:46:42 +0000
Local clock offset: 0.316 ms
Remote clock offset: -0.269 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:42:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 367.82 Mbit/s
95th percentile per-packet one-way delay: 1.815 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 139.11 Mbit/s
95th percentile per-packet one-way delay: 1.438 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 206.60 Mbit/s
95th percentile per-packet one-way delay: 2.127 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 275.38 Mbit/s
95th percentile per-packet one-way delay: 1.852 ms
Loss rate: 0.19%
```
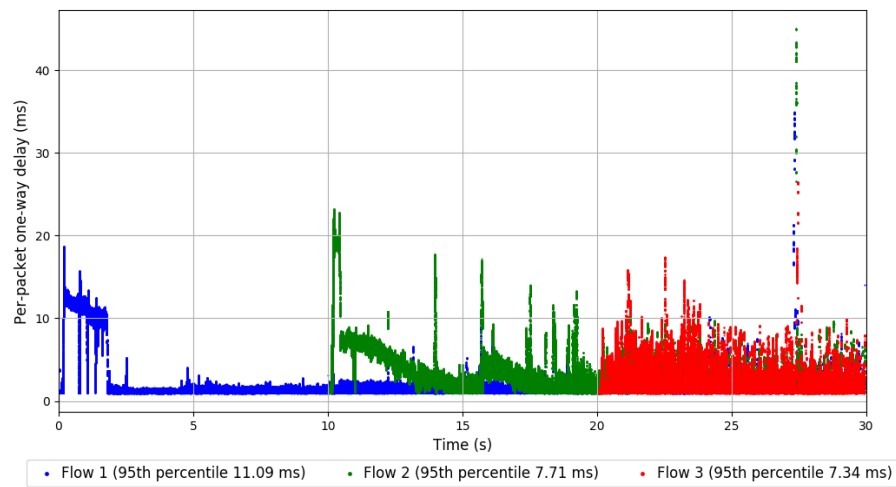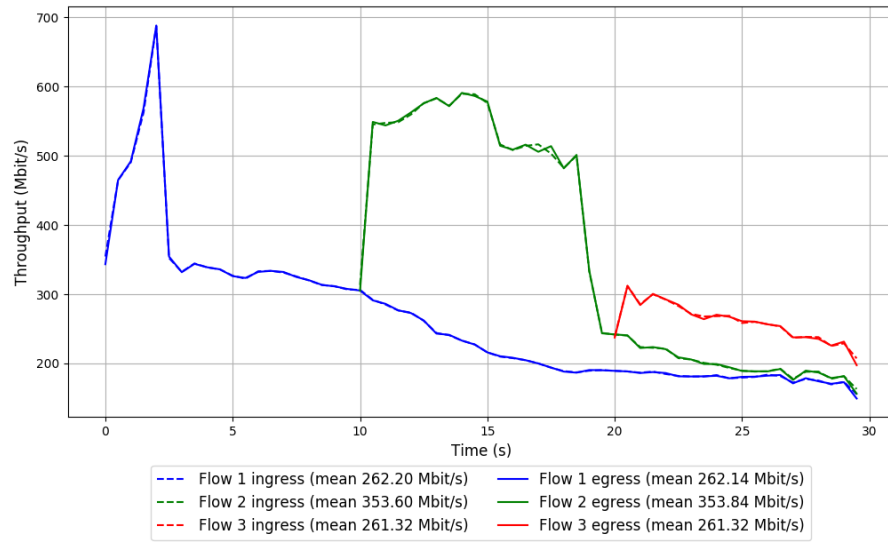
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 10:08:09 +0000
End at: Sat, 29 Jul 2017 10:08:39 +0000
Local clock offset: 0.32 ms
Remote clock offset: -0.309 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:44:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 584.13 Mbit/s
95th percentile per-packet one-way delay: 9.595 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 262.14 Mbit/s
95th percentile per-packet one-way delay: 11.094 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 353.84 Mbit/s
95th percentile per-packet one-way delay: 7.708 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 261.32 Mbit/s
95th percentile per-packet one-way delay: 7.339 ms
Loss rate: 0.19%
```
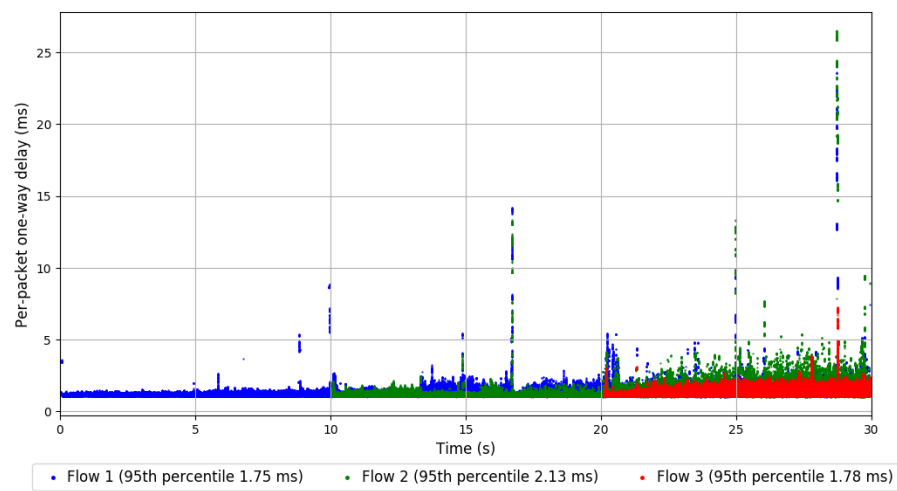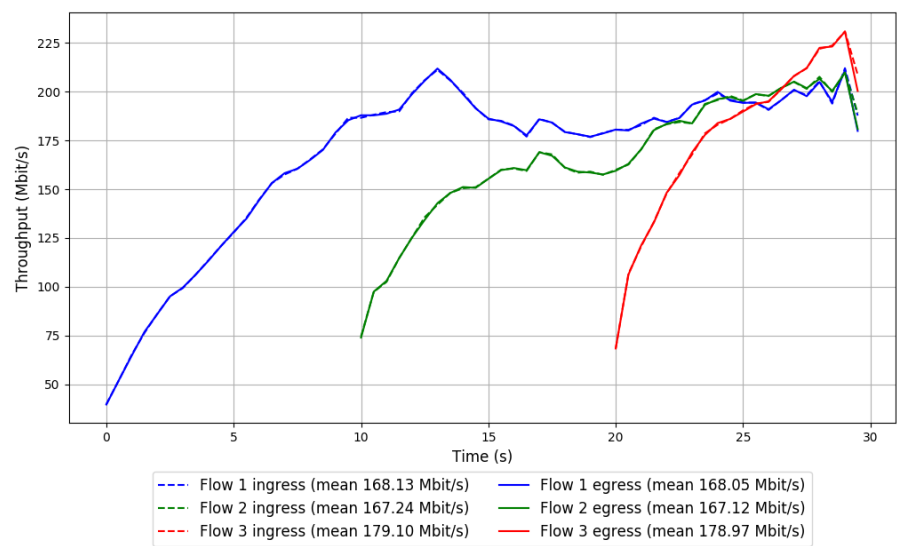
Run 7: Report of TCP Vegas — Data Link

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```
Run 8: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 10:30:24 +0000
End at: Sat, 29 Jul 2017 10:30:54 +0000
Local clock offset: 0.37 ms
Remote clock offset: -0.368 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:44:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.14 Mbit/s
95th percentile per-packet one-way delay: 1.867 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 168.05 Mbit/s
95th percentile per-packet one-way delay: 1.752 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 167.12 Mbit/s
95th percentile per-packet one-way delay: 2.128 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 178.97 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.25%
```
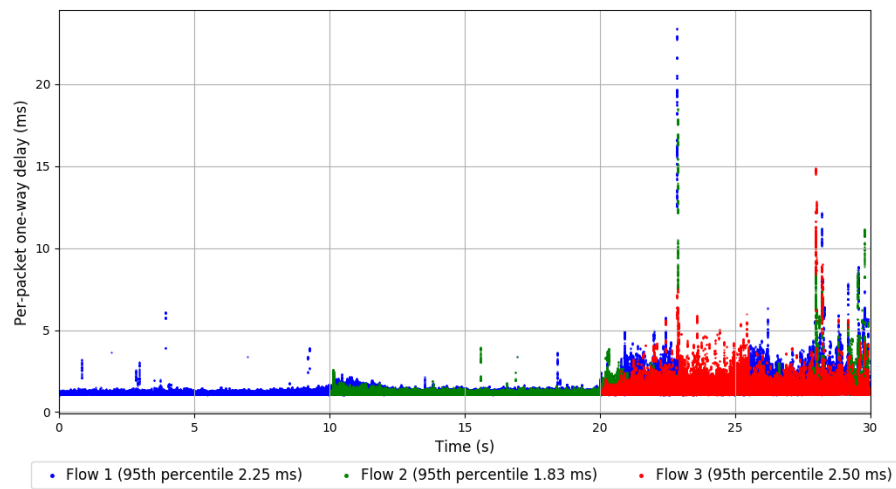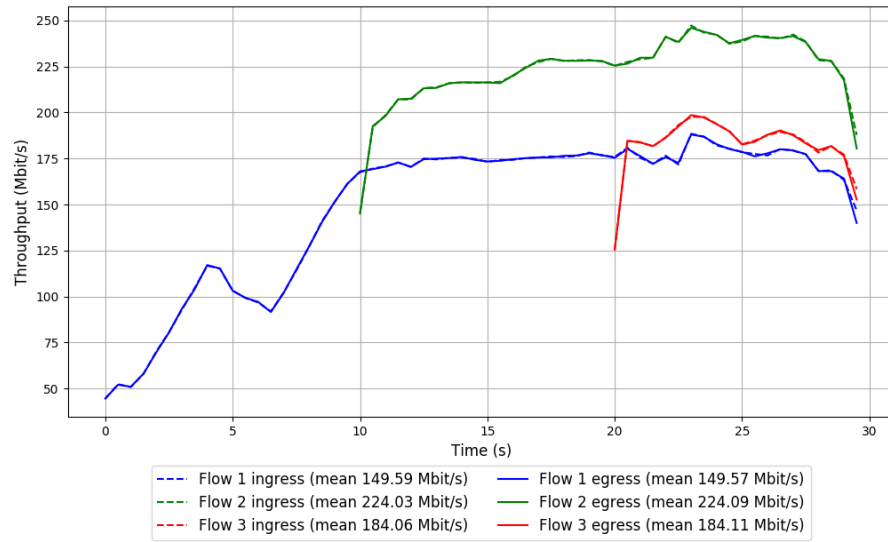
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 168.13 Mbit/s) --- Flow 1 egress (mean 168.05 Mbit/s)
Flow 2 ingress (mean 167.24 Mbit/s) --- Flow 2 egress (mean 167.12 Mbit/s)
Flow 3 ingress (mean 179.10 Mbit/s) --- Flow 3 egress (mean 178.97 Mbit/s)

Flow 1 (95th percentile 1.75 ms)   Flow 2 (95th percentile 2.13 ms)   Flow 3 (95th percentile 1.78 ms)

259

```
Run 9: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 10:52:32 +0000
End at: Sat, 29 Jul 2017 10:53:02 +0000
Local clock offset: 0.427 ms
Remote clock offset: -0.75 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:44:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.52 Mbit/s
95th percentile per-packet one-way delay: 2.143 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 149.57 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 224.09 Mbit/s
95th percentile per-packet one-way delay: 1.828 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 184.11 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.18%
```
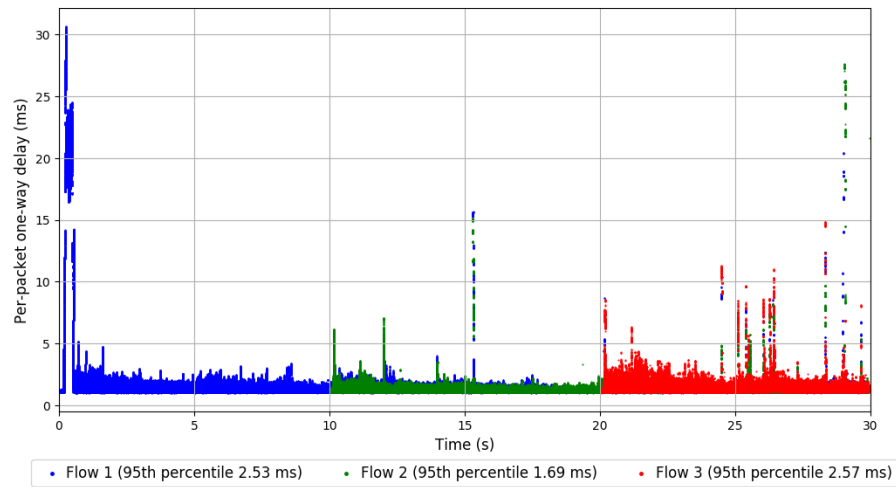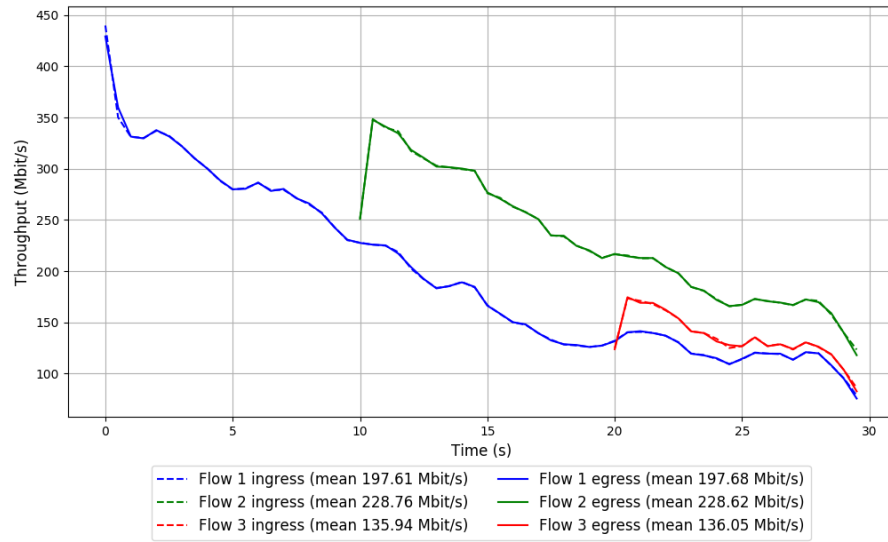
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 11:14:35 +0000
End at: Sat, 29 Jul 2017 11:15:05 +0000
Local clock offset: 0.414 ms
Remote clock offset: -0.544 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:44:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.68 Mbit/s
95th percentile per-packet one-way delay: 2.118 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 197.68 Mbit/s
95th percentile per-packet one-way delay: 2.529 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 228.62 Mbit/s
95th percentile per-packet one-way delay: 1.686 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 136.05 Mbit/s
95th percentile per-packet one-way delay: 2.566 ms
Loss rate: 0.12%
```
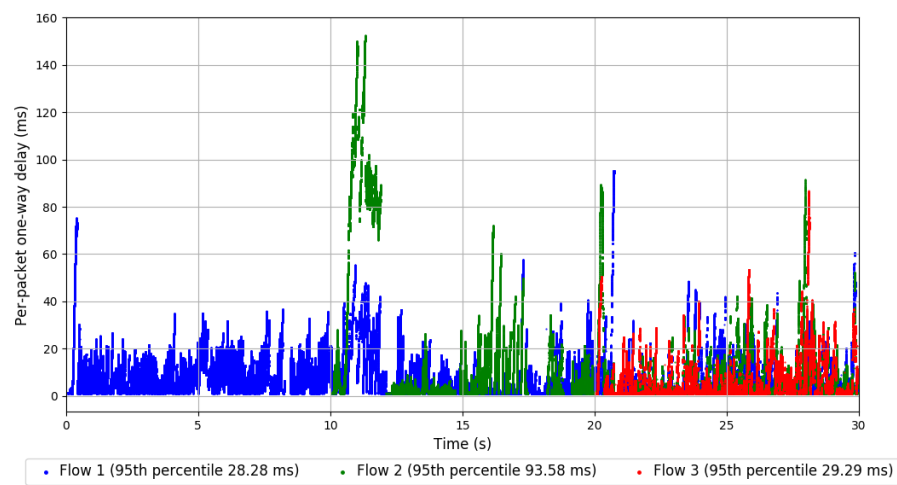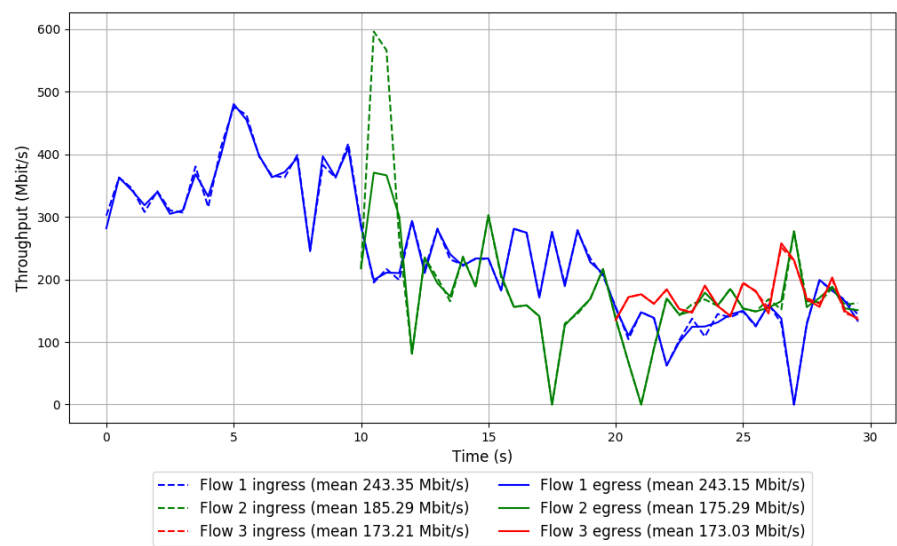
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: Sat, 29 Jul 2017 07:48:18 +0000
End at: Sat, 29 Jul 2017 07:48:48 +0000
Local clock offset: 0.768 ms
Remote clock offset: -1.031 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:45:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.99 Mbit/s
95th percentile per-packet one-way delay: 45.559 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 243.15 Mbit/s
95th percentile per-packet one-way delay: 28.282 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 175.29 Mbit/s
95th percentile per-packet one-way delay: 93.575 ms
Loss rate: 5.51%
-- Flow 3:
Average throughput: 173.03 Mbit/s
95th percentile per-packet one-way delay: 29.293 ms
Loss rate: 0.11%
```
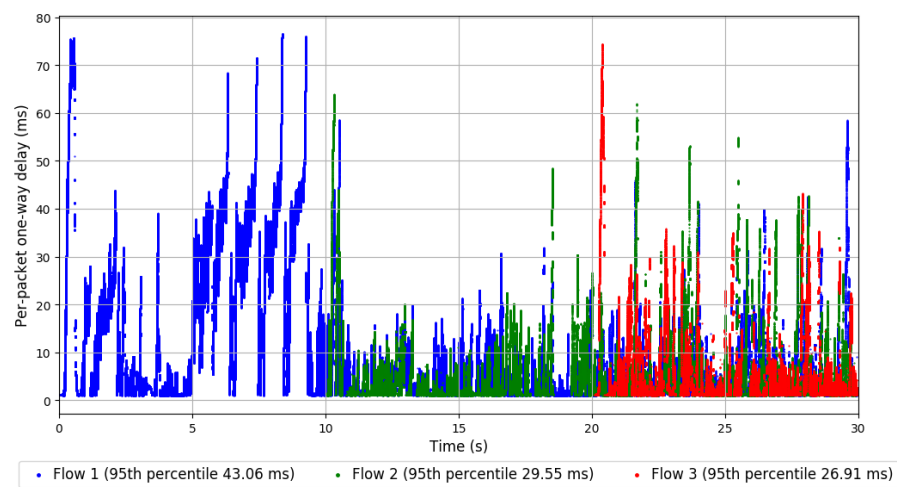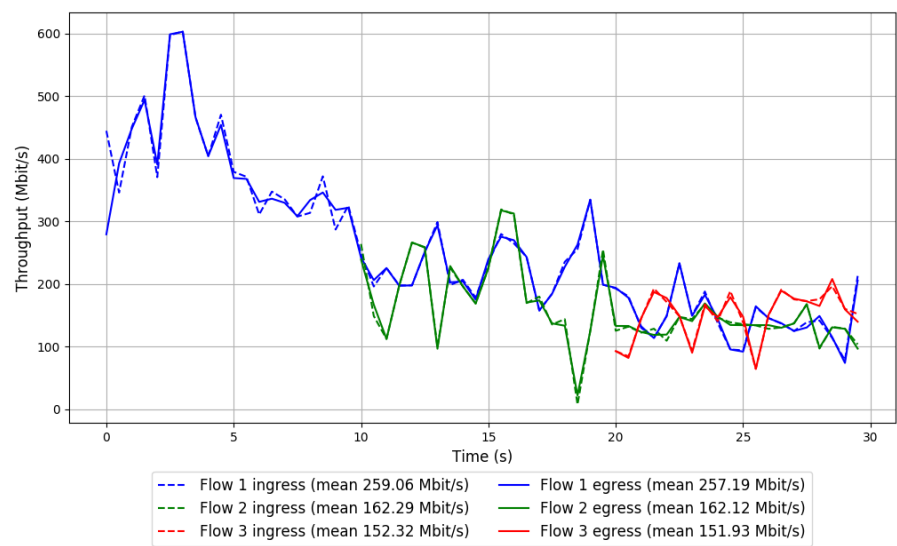
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: Sat, 29 Jul 2017 08:09:50 +0000
End at: Sat, 29 Jul 2017 08:10:20 +0000
Local clock offset: 0.634 ms
Remote clock offset: -1.111 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:45:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.02 Mbit/s
95th percentile per-packet one-way delay: 40.813 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 257.19 Mbit/s
95th percentile per-packet one-way delay: 43.056 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 162.12 Mbit/s
95th percentile per-packet one-way delay: 29.555 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 151.93 Mbit/s
95th percentile per-packet one-way delay: 26.905 ms
Loss rate: 0.44%
```
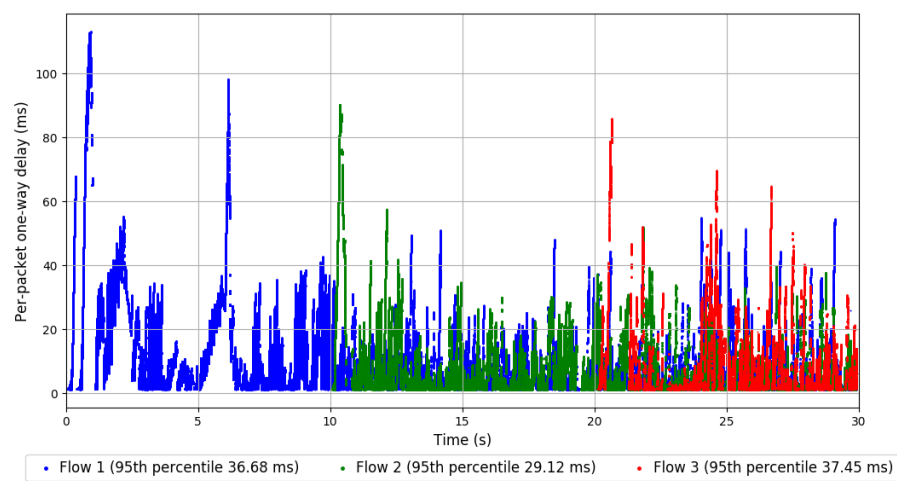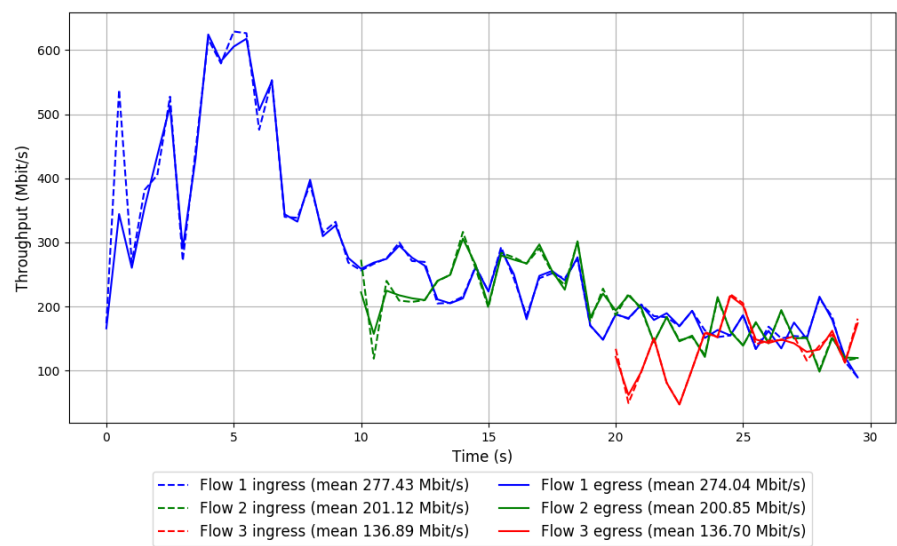
Run 2: Report of Verus — Data Link

267

```
Run 3: Statistics of Verus

Start at: Sat, 29 Jul 2017 08:32:11 +0000
End at: Sat, 29 Jul 2017 08:32:41 +0000
Local clock offset: 0.502 ms
Remote clock offset: -0.906 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:46:18 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.03 Mbit/s
95th percentile per-packet one-way delay: 35.187 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 274.04 Mbit/s
95th percentile per-packet one-way delay: 36.679 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 200.85 Mbit/s
95th percentile per-packet one-way delay: 29.123 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 136.70 Mbit/s
95th percentile per-packet one-way delay: 37.452 ms
Loss rate: 0.27%
```
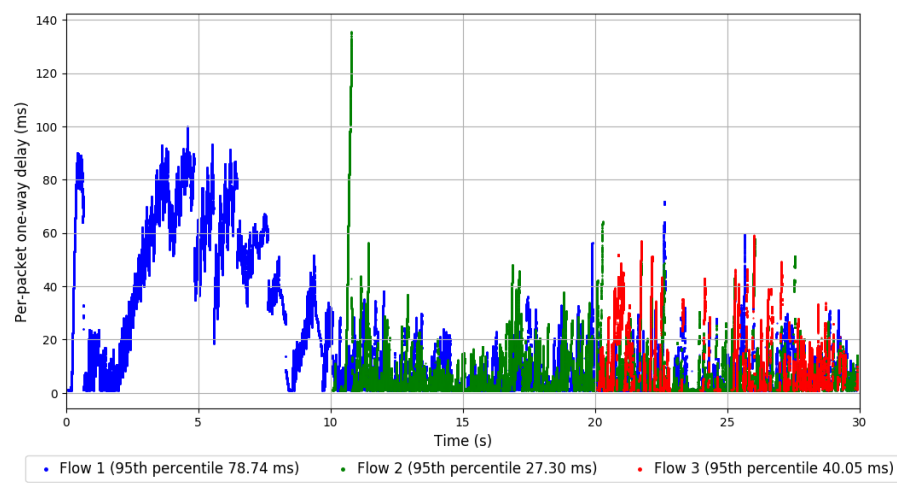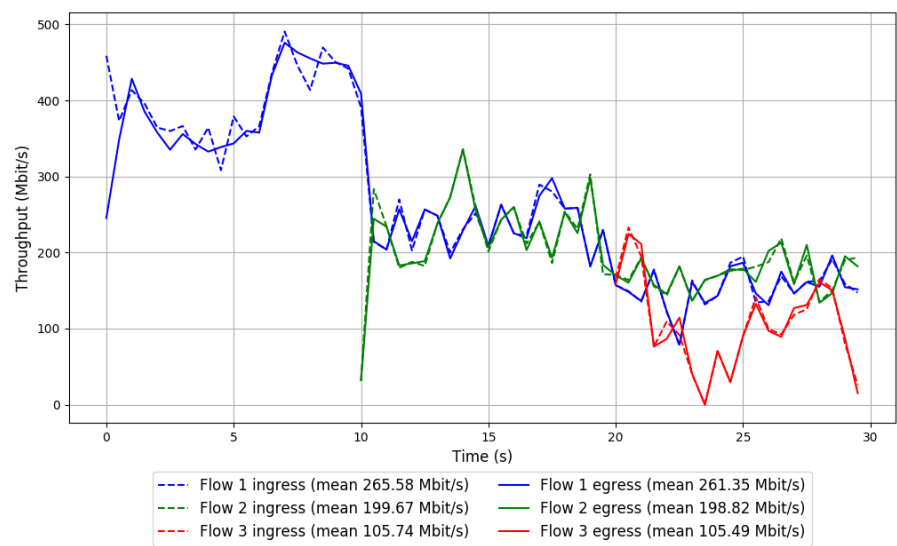
Run 3: Report of Verus — Data Link

- Flow 1 ingress (mean 277.43 Mbit/s)
- Flow 1 egress (mean 274.04 Mbit/s)
- Flow 2 ingress (mean 201.12 Mbit/s)
- Flow 2 egress (mean 200.85 Mbit/s)
- Flow 3 ingress (mean 136.89 Mbit/s)
- Flow 3 egress (mean 136.70 Mbit/s)

- Flow 1 (95th percentile 36.68 ms)
- Flow 2 (95th percentile 29.12 ms)
- Flow 3 (95th percentile 37.45 ms)

```
Run 4: Statistics of Verus

Start at: Sat, 29 Jul 2017 08:54:32 +0000
End at: Sat, 29 Jul 2017 08:55:02 +0000
Local clock offset: 0.364 ms
Remote clock offset: -0.433 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:46:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.40 Mbit/s
95th percentile per-packet one-way delay: 72.214 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 261.35 Mbit/s
95th percentile per-packet one-way delay: 78.743 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 198.82 Mbit/s
95th percentile per-packet one-way delay: 27.304 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 105.49 Mbit/s
95th percentile per-packet one-way delay: 40.052 ms
Loss rate: 0.51%
```
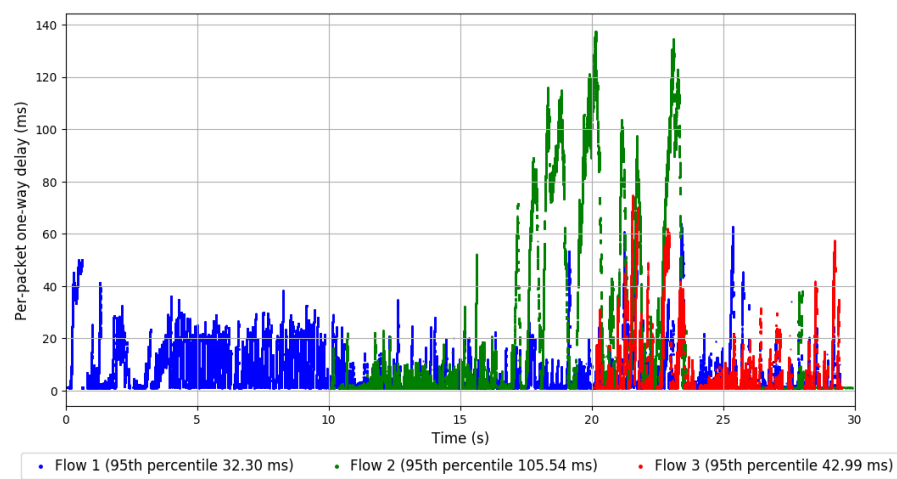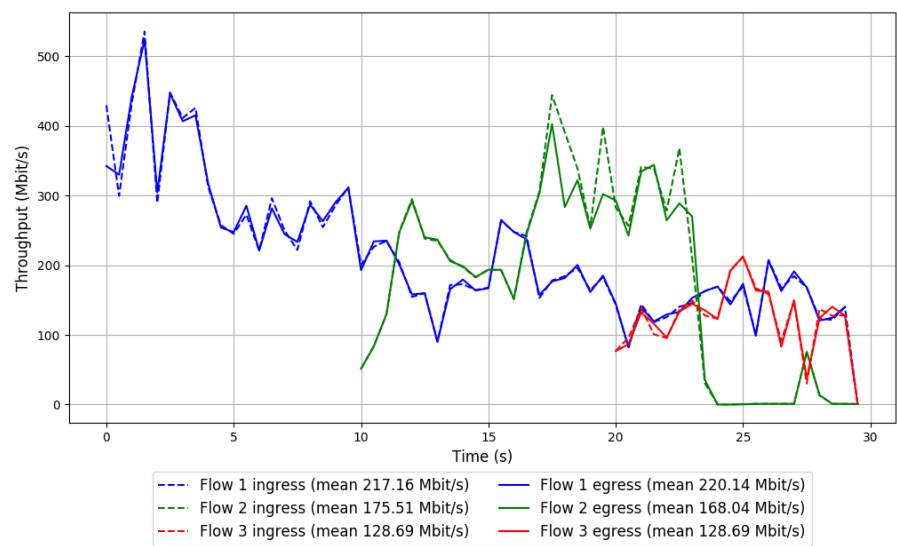
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: Sat, 29 Jul 2017 09:16:45 +0000
End at: Sat, 29 Jul 2017 09:17:15 +0000
Local clock offset: 0.335 ms
Remote clock offset: -0.735 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:47:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.00 Mbit/s
95th percentile per-packet one-way delay: 82.859 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 220.14 Mbit/s
95th percentile per-packet one-way delay: 32.297 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 168.04 Mbit/s
95th percentile per-packet one-way delay: 105.544 ms
Loss rate: 4.36%
-- Flow 3:
Average throughput: 128.69 Mbit/s
95th percentile per-packet one-way delay: 42.988 ms
Loss rate: 0.00%
```
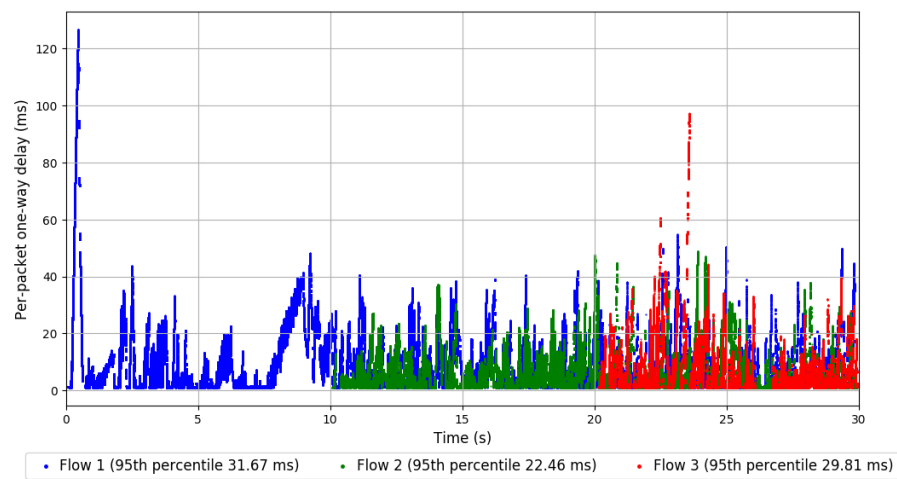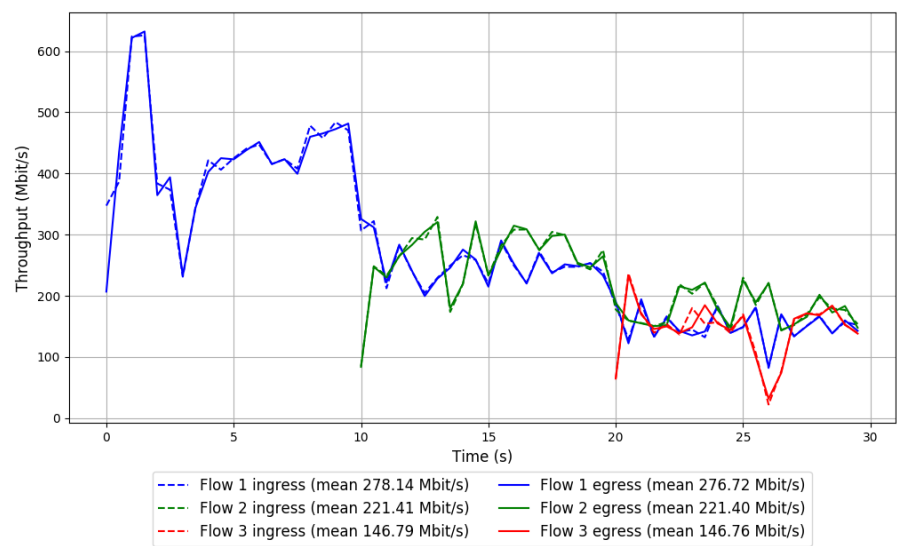
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 217.16 Mbit/s) --- Flow 1 egress (mean 220.14 Mbit/s) ---
Flow 2 ingress (mean 175.51 Mbit/s) --- Flow 2 egress (mean 168.04 Mbit/s) ---
Flow 3 ingress (mean 128.69 Mbit/s) --- Flow 3 egress (mean 128.69 Mbit/s) ---

Flow 1 (95th percentile 32.30 ms) • Flow 2 (95th percentile 105.54 ms) • Flow 3 (95th percentile 42.99 ms)

```
Run 6: Statistics of Verus

Start at: Sat, 29 Jul 2017 09:38:51 +0000
End at: Sat, 29 Jul 2017 09:39:21 +0000
Local clock offset: 0.416 ms
Remote clock offset: -0.313 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:47:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.88 Mbit/s
95th percentile per-packet one-way delay: 28.995 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 276.72 Mbit/s
95th percentile per-packet one-way delay: 31.668 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 221.40 Mbit/s
95th percentile per-packet one-way delay: 22.464 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 146.76 Mbit/s
95th percentile per-packet one-way delay: 29.806 ms
Loss rate: 0.04%
```
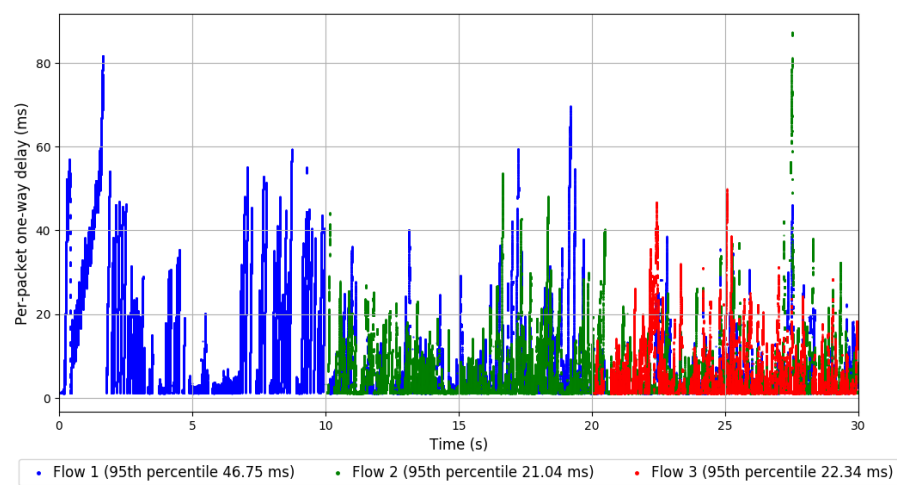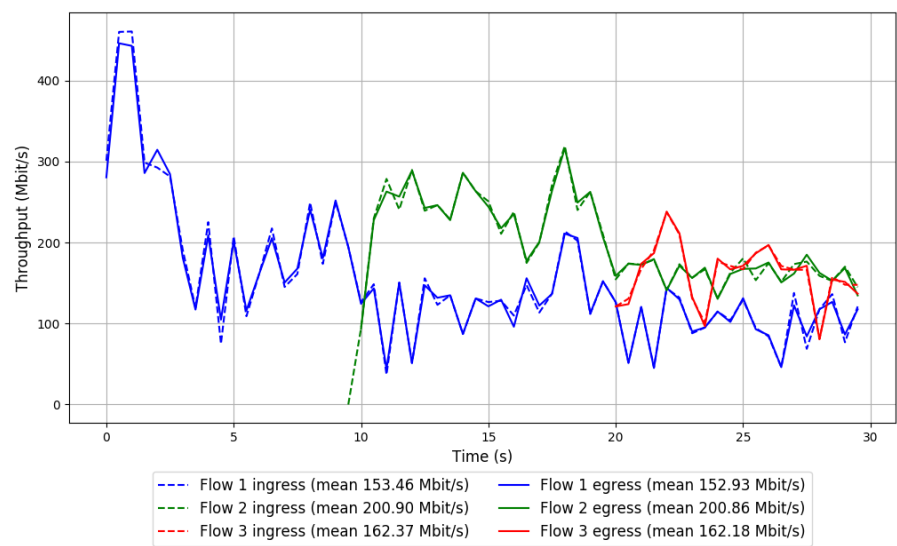
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: Sat, 29 Jul 2017 10:00:56 +0000
End at: Sat, 29 Jul 2017 10:01:26 +0000
Local clock offset: 0.429 ms
Remote clock offset: -0.413 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:47:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.32 Mbit/s
95th percentile per-packet one-way delay: 37.418 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 152.93 Mbit/s
95th percentile per-packet one-way delay: 46.746 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 200.86 Mbit/s
95th percentile per-packet one-way delay: 21.038 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 162.18 Mbit/s
95th percentile per-packet one-way delay: 22.340 ms
Loss rate: 0.34%
```
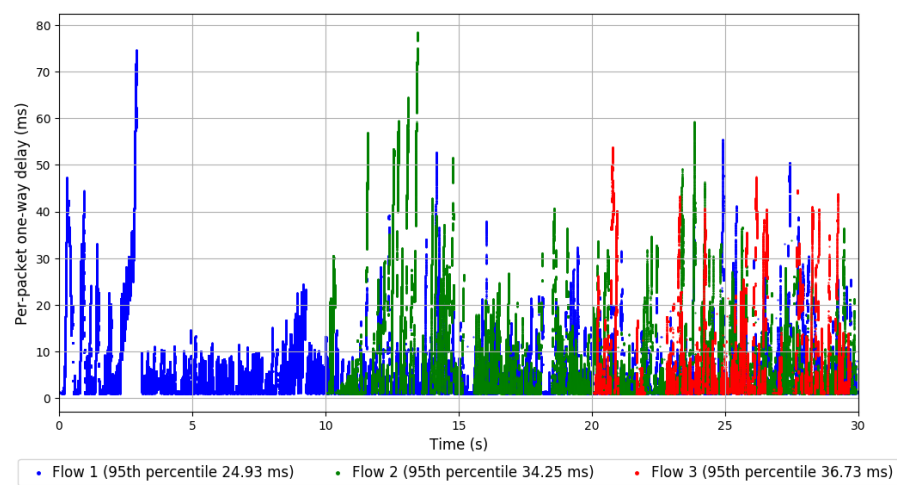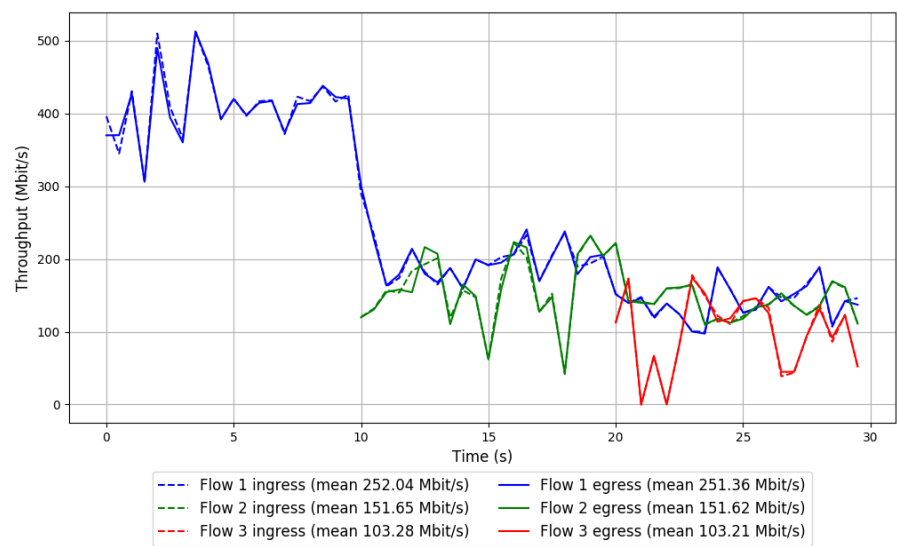
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: Sat, 29 Jul 2017 10:23:07 +0000
End at: Sat, 29 Jul 2017 10:23:37 +0000
Local clock offset: 0.32 ms
Remote clock offset: -0.26 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:48:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.30 Mbit/s
95th percentile per-packet one-way delay: 29.826 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 251.36 Mbit/s
95th percentile per-packet one-way delay: 24.927 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 151.62 Mbit/s
95th percentile per-packet one-way delay: 34.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.21 Mbit/s
95th percentile per-packet one-way delay: 36.730 ms
Loss rate: 0.00%
```
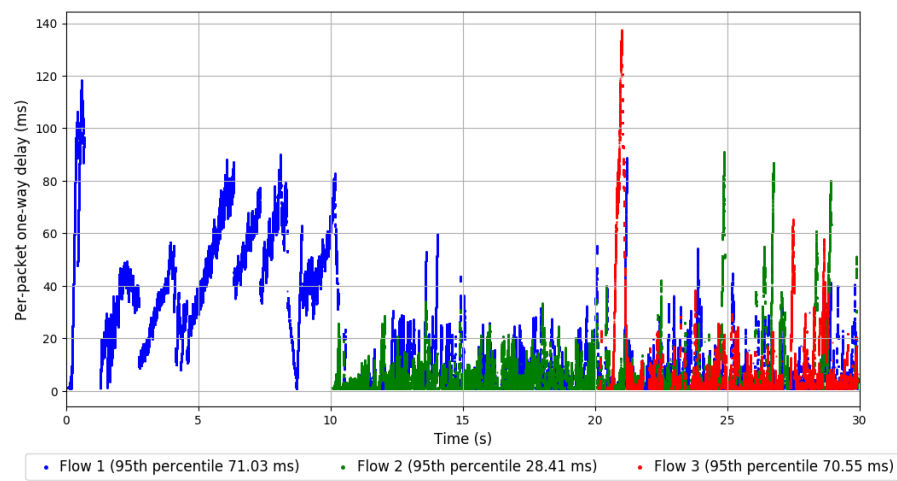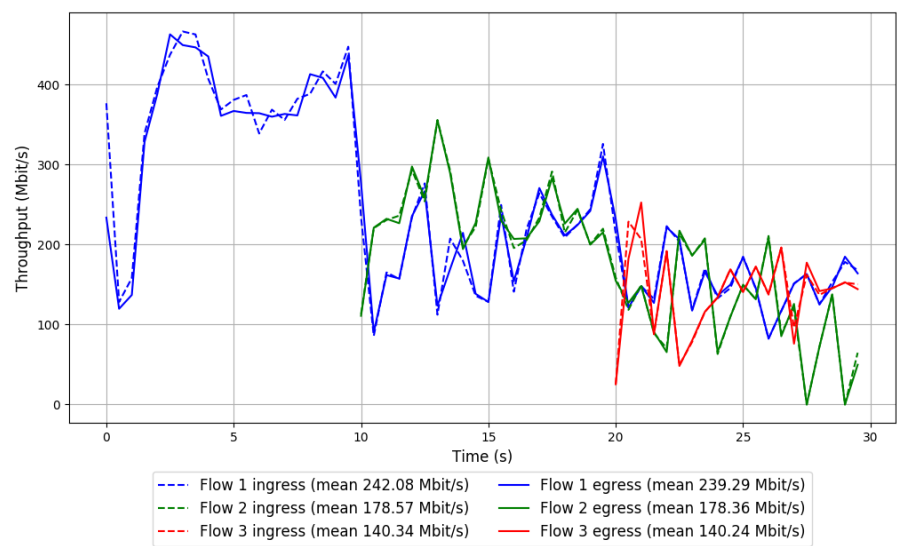
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: Sat, 29 Jul 2017 10:45:15 +0000
End at: Sat, 29 Jul 2017 10:45:45 +0000
Local clock offset: 0.264 ms
Remote clock offset: -0.773 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:48:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.91 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 239.29 Mbit/s
95th percentile per-packet one-way delay: 71.035 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 178.36 Mbit/s
95th percentile per-packet one-way delay: 28.415 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 140.24 Mbit/s
95th percentile per-packet one-way delay: 70.550 ms
Loss rate: 0.22%
```
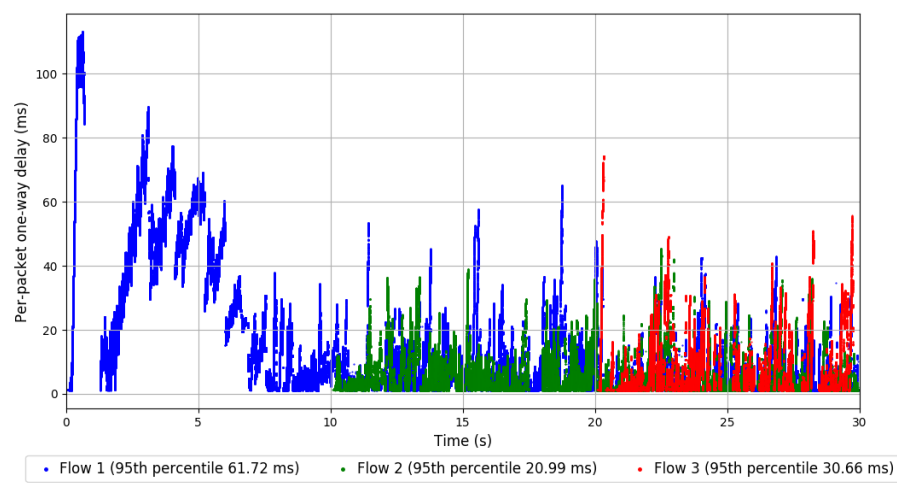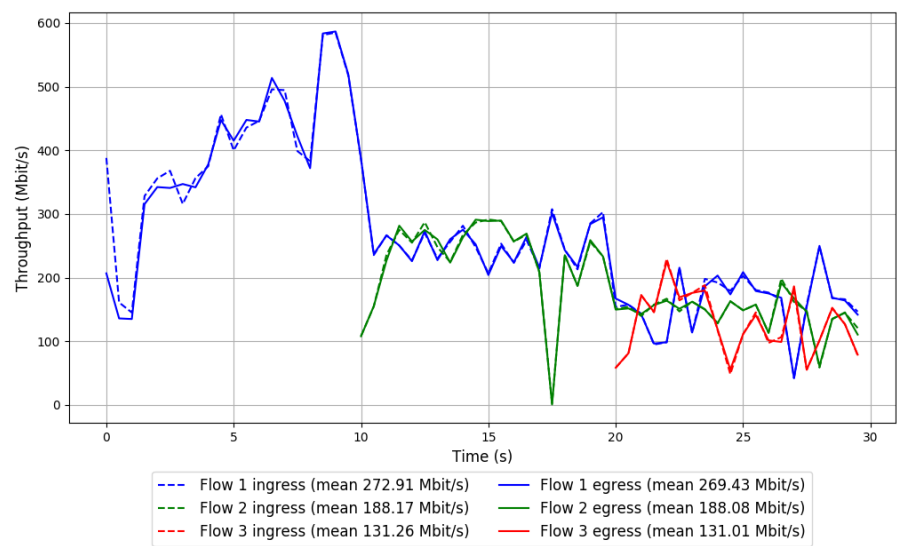
Run 9: Report of Verus — Data Link

281

```
Run 10: Statistics of Verus

Start at: Sat, 29 Jul 2017 11:07:15 +0000
End at: Sat, 29 Jul 2017 11:07:45 +0000
Local clock offset: 0.44 ms
Remote clock offset: -0.539 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 436.47 Mbit/s
95th percentile per-packet one-way delay: 55.898 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 269.43 Mbit/s
95th percentile per-packet one-way delay: 61.721 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 188.08 Mbit/s
95th percentile per-packet one-way delay: 20.988 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 131.01 Mbit/s
95th percentile per-packet one-way delay: 30.658 ms
Loss rate: 0.00%
```
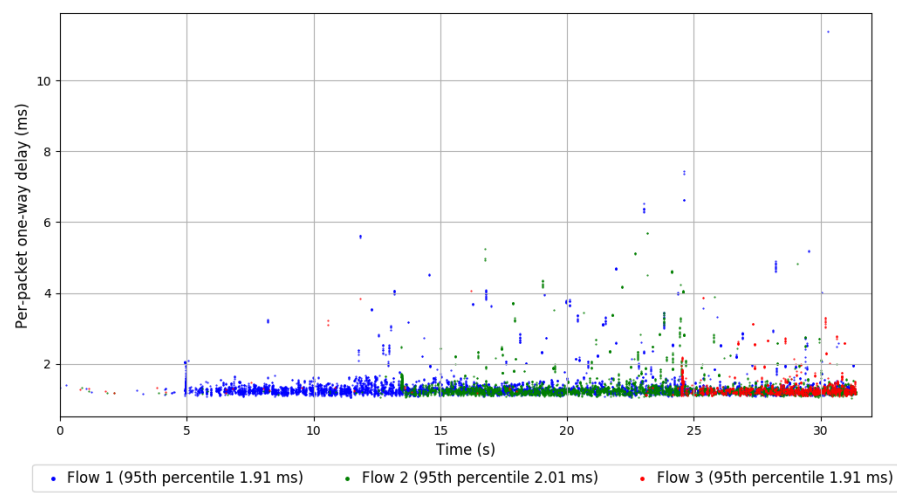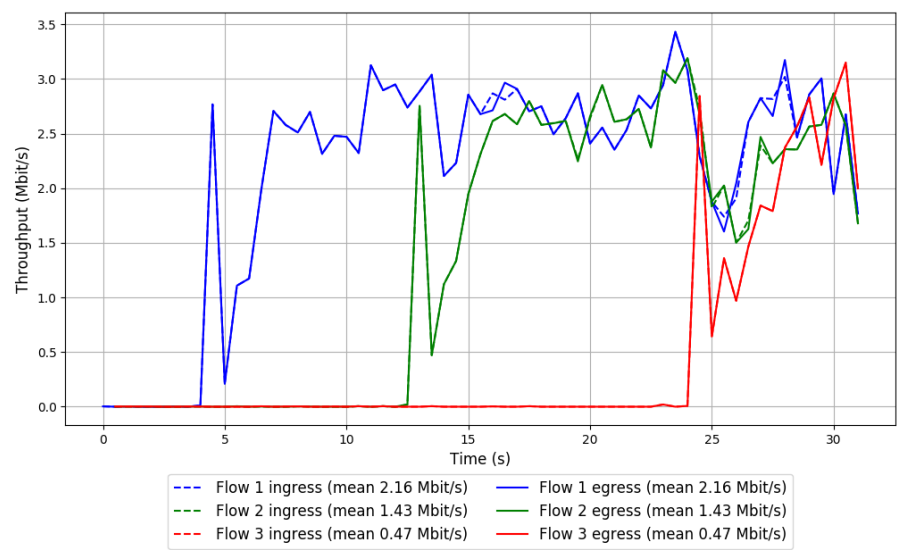
Run 10: Report of Verus — Data Link

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```
Run 1: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 07:57:02 +0000
End at: Sat, 29 Jul 2017 07:57:32 +0000
Local clock offset: 0.782 ms
Remote clock offset: -1.116 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 1.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 1.911 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 2.012 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 1.906 ms
Loss rate: 0.00%
```
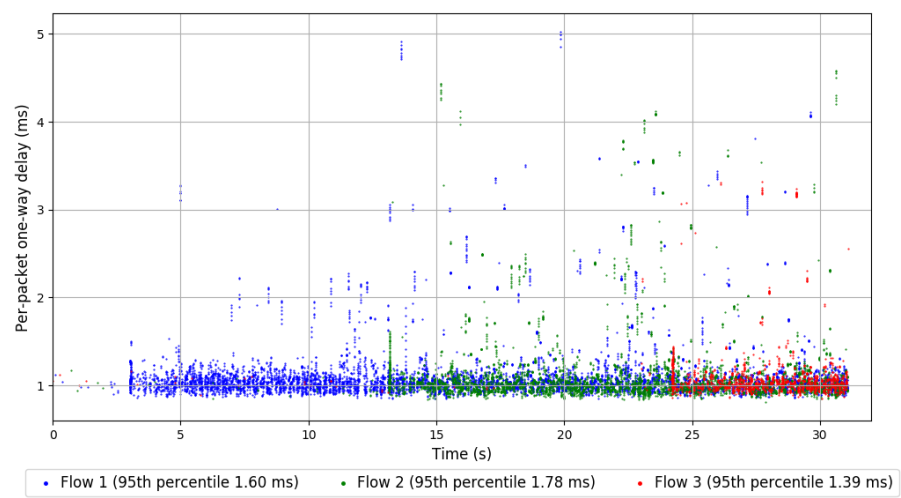
Run 1: Report of WebRTC media — Data Link

285

```
Run 2: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 08:18:45 +0000
End at: Sat, 29 Jul 2017 08:19:15 +0000
Local clock offset: 0.453 ms
Remote clock offset: -0.983 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 1.673 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.597 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 1.783 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 1.34%
```
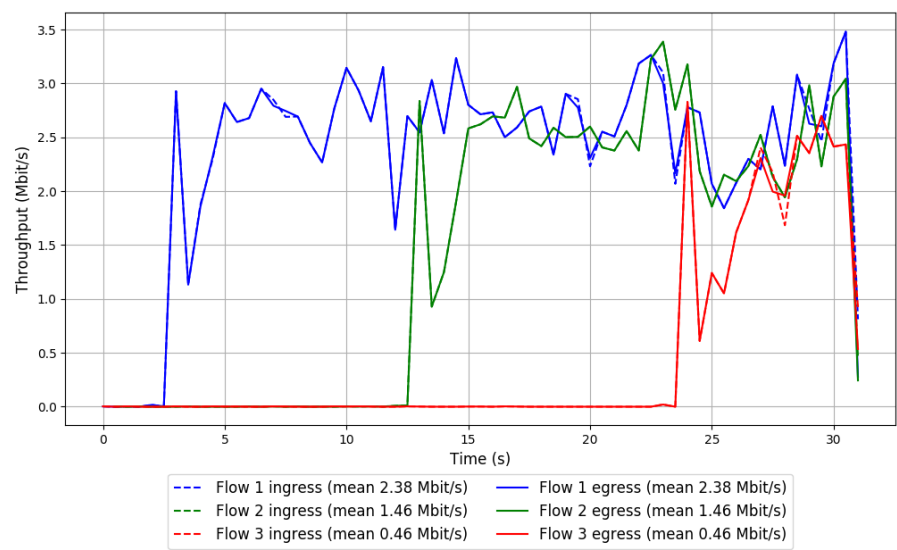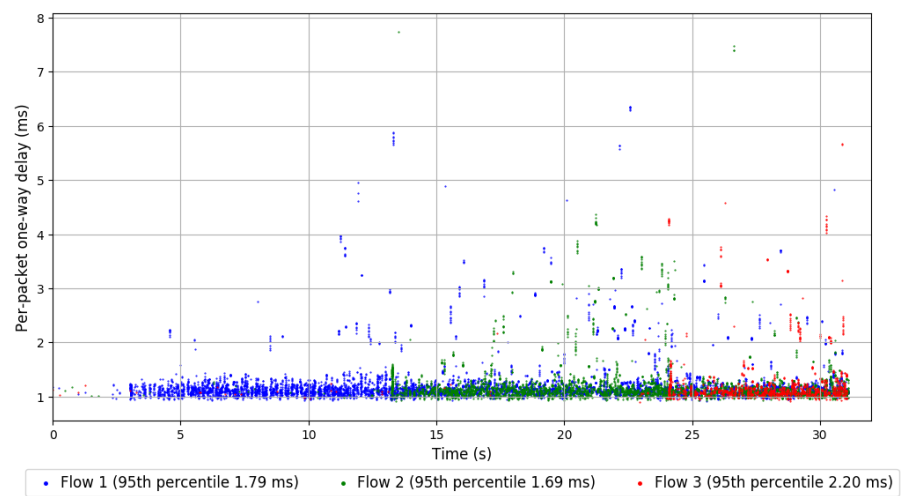
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 08:41:08 +0000
End at: Sat, 29 Jul 2017 08:41:38 +0000
Local clock offset: 0.486 ms
Remote clock offset: -0.683 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 1.815 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.791 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 1.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 2.200 ms
Loss rate: 1.46%
```
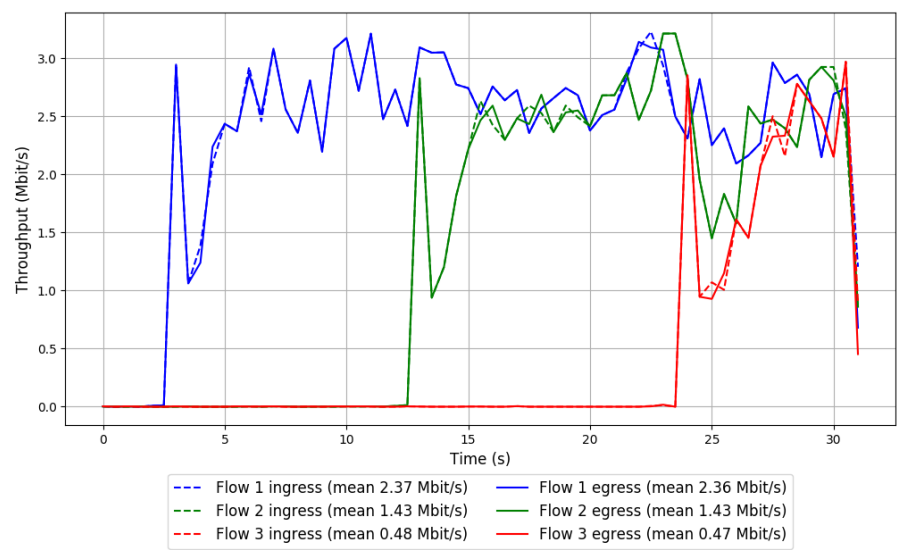
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 09:03:21 +0000
End at: Sat, 29 Jul 2017 09:03:51 +0000
Local clock offset: 0.44 ms
Remote clock offset: -0.457 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 2.278 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 2.118 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 2.054 ms
Loss rate: 0.01%
```
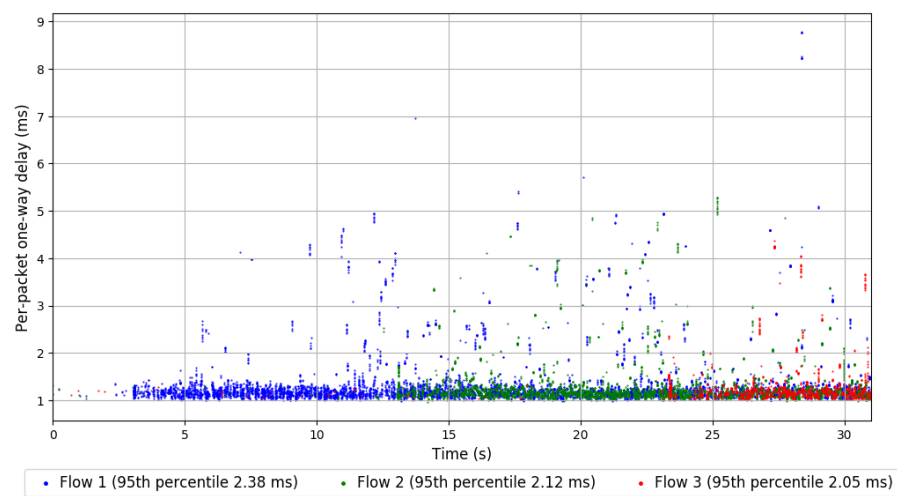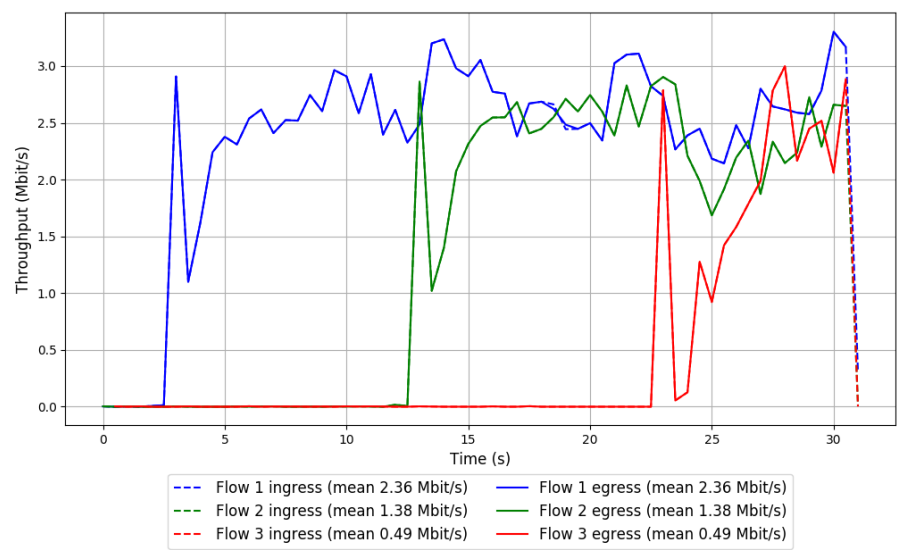
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 09:25:42 +0000
End at: Sat, 29 Jul 2017 09:26:12 +0000
Local clock offset: 0.375 ms
Remote clock offset: -0.584 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 1.840 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 1.722 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 2.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.615 ms
Loss rate: 0.56%
```
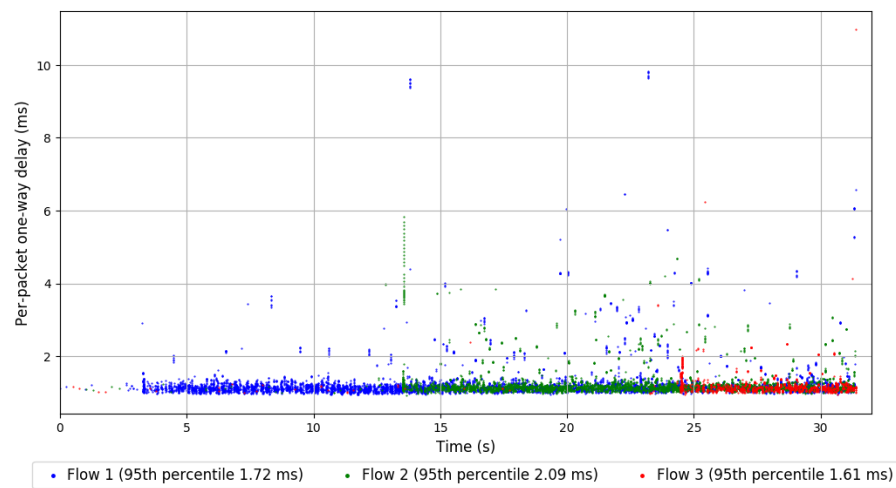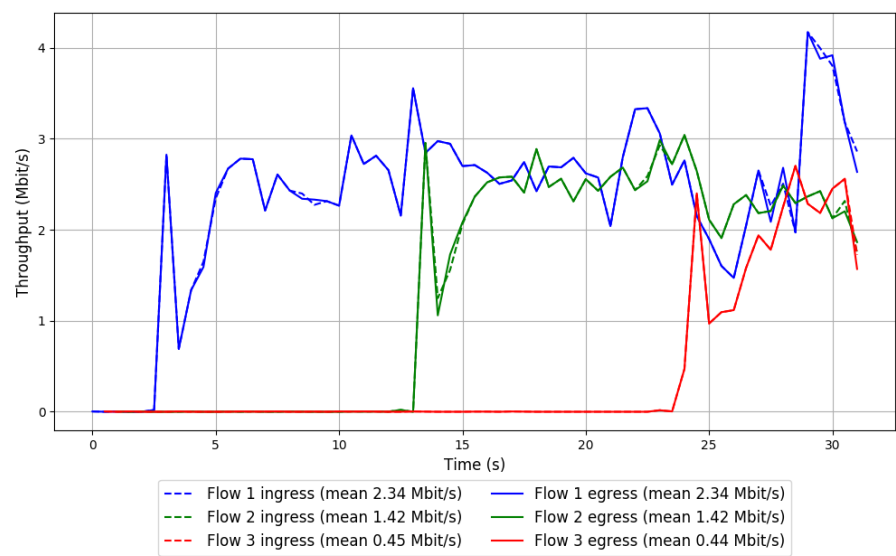
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 09:47:41 +0000
End at: Sat, 29 Jul 2017 09:48:11 +0000
Local clock offset: 0.302 ms
Remote clock offset: -0.355 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 1.768 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 1.604 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 2.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.00%
```
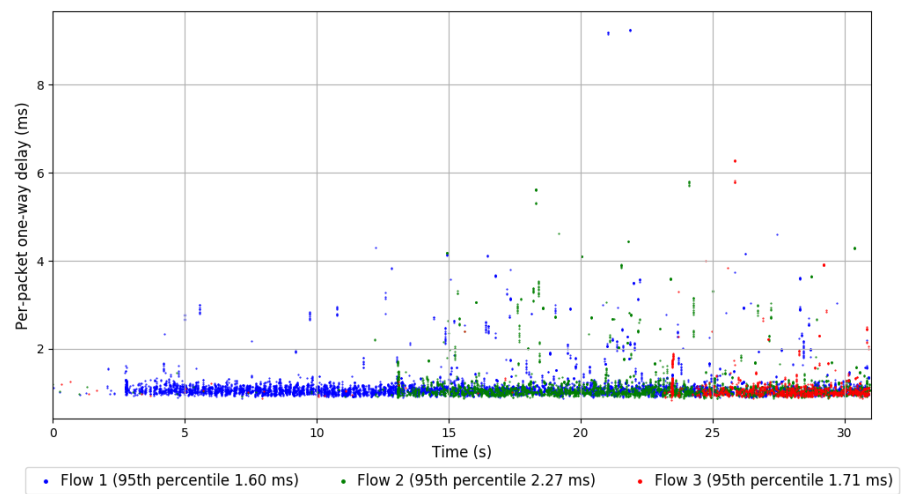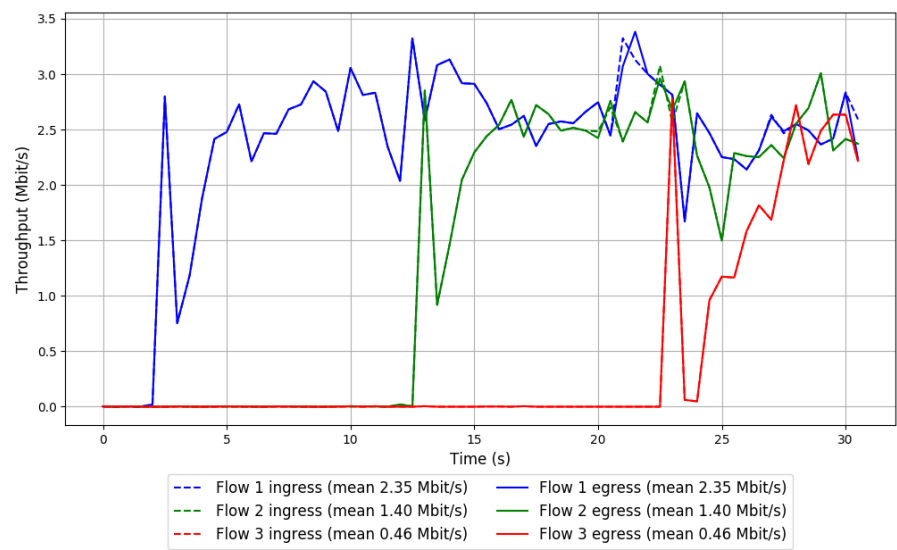
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 10:09:48 +0000
End at: Sat, 29 Jul 2017 10:10:18 +0000
Local clock offset: 0.292 ms
Remote clock offset: -0.269 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 1.784 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 1.510 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 2.035 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 2.152 ms
Loss rate: 0.91%
```
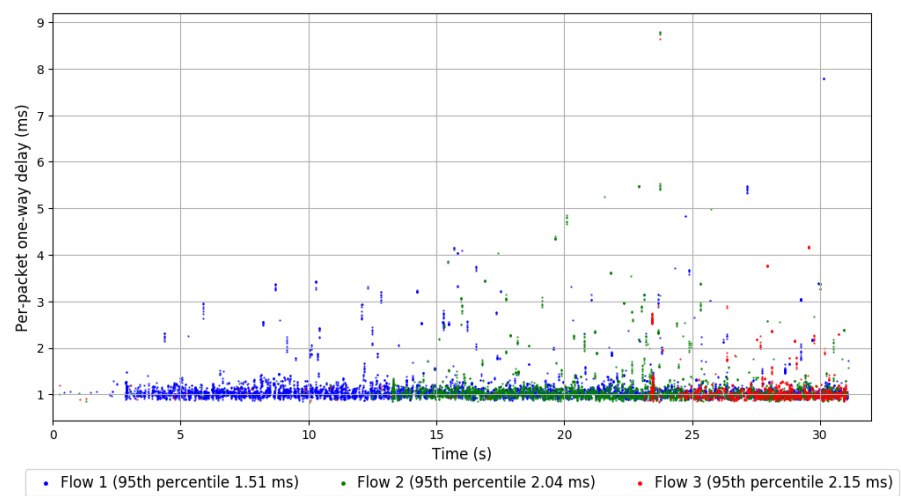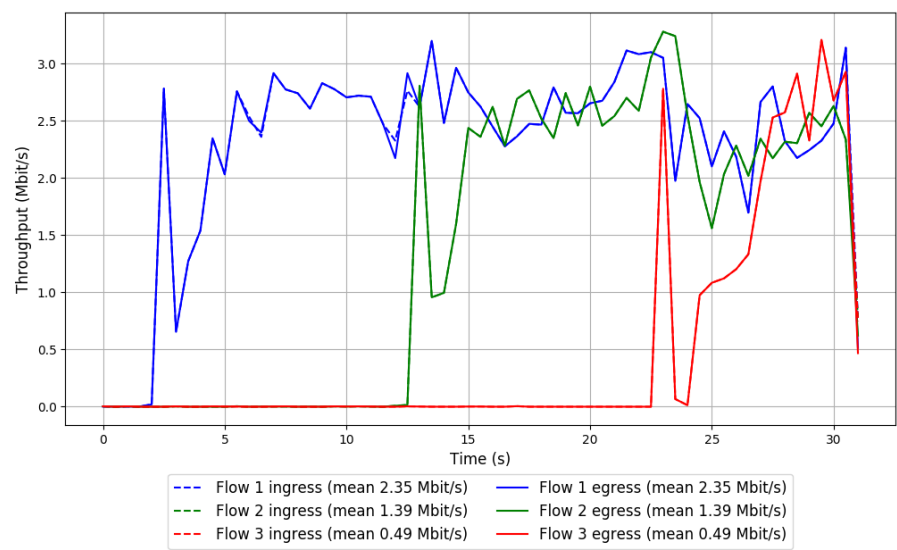
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 10:31:51 +0000
End at: Sat, 29 Jul 2017 10:32:21 +0000
Local clock offset: 0.371 ms
Remote clock offset: -0.409 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 1.864 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 1.755 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 1.976 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 2.012 ms
Loss rate: 0.90%
```
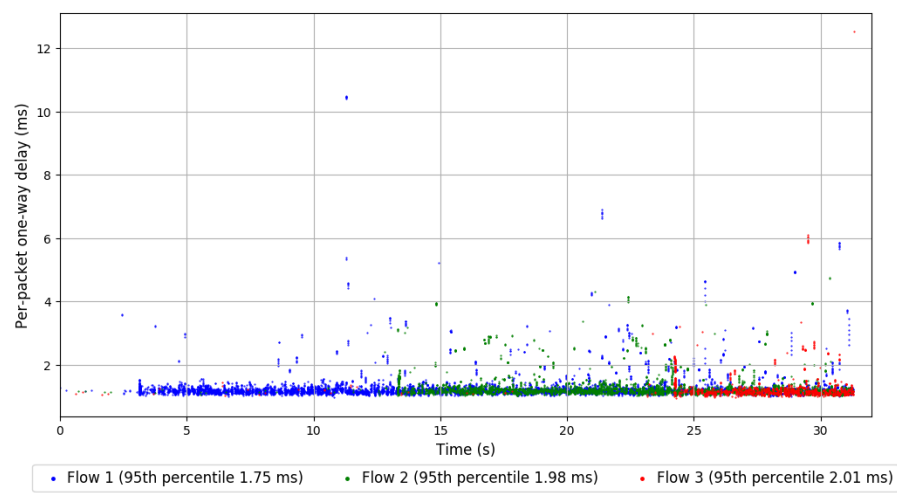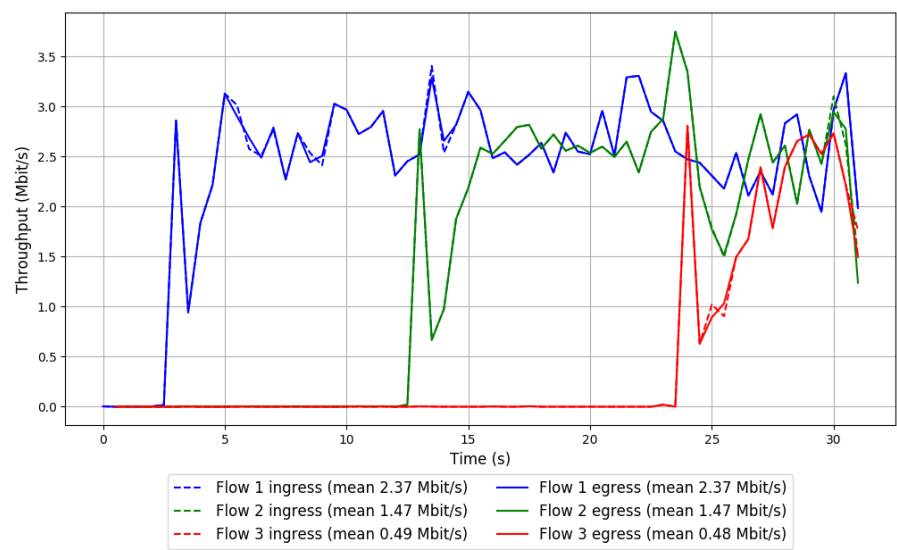
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 10:54:00 +0000
End at: Sat, 29 Jul 2017 10:54:30 +0000
Local clock offset: 0.317 ms
Remote clock offset: -0.742 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 1.952 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.889 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 2.009 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.043 ms
Loss rate: 0.00%
```
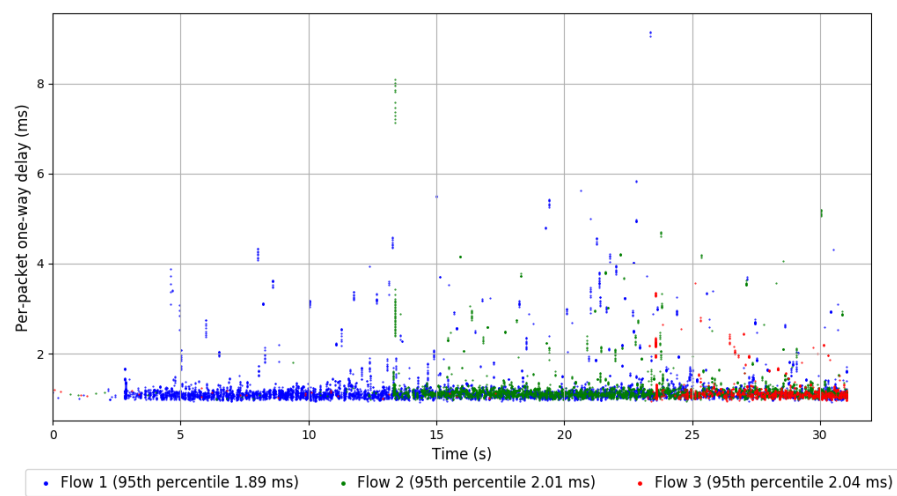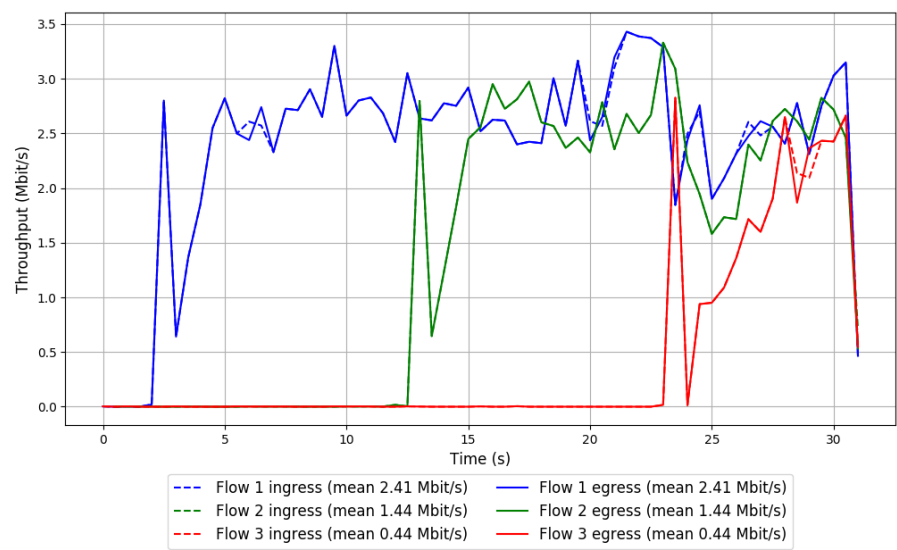
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 11:16:05 +0000
End at: Sat, 29 Jul 2017 11:16:35 +0000
Local clock offset: 0.335 ms
Remote clock offset: -0.479 ms


# Below is generated by plot.py at Sat, 29 Jul 2017 14:49:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 1.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.795 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 1.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 2.014 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link