

Pantheon Report

Generated at 2018-02-13 22:23:13 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

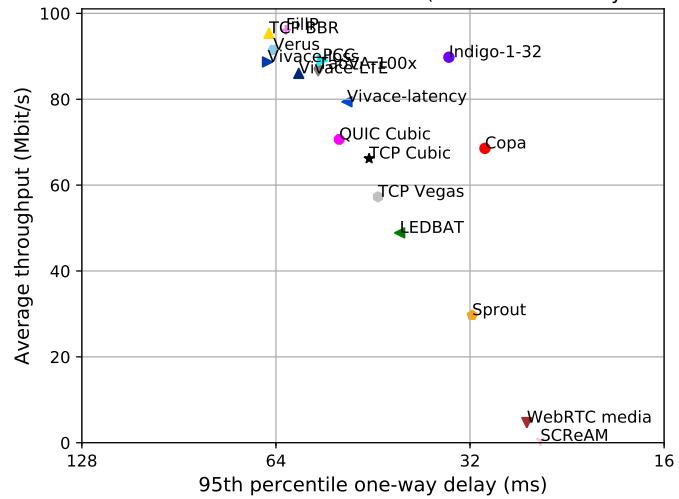
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

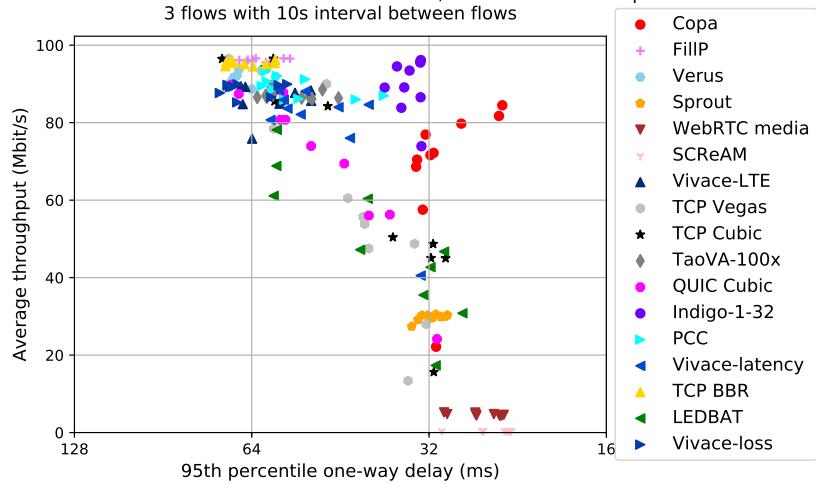
Git summary:

```
branch: master @ 2efdadc57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



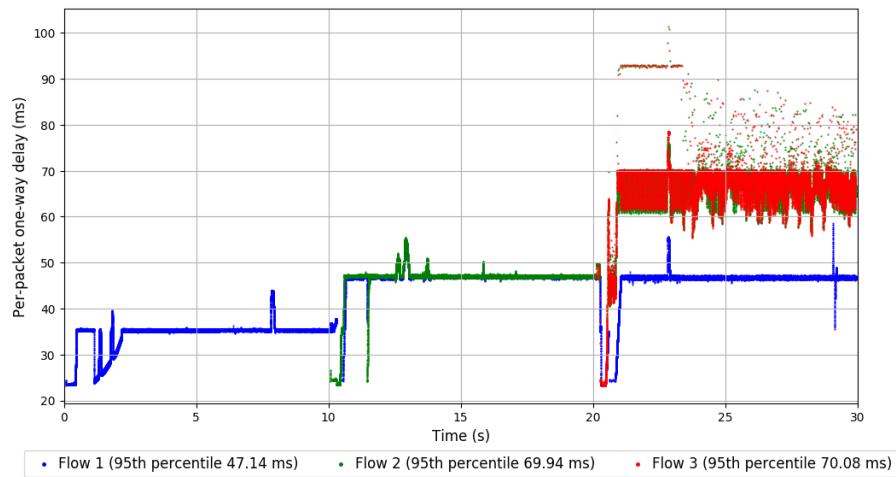
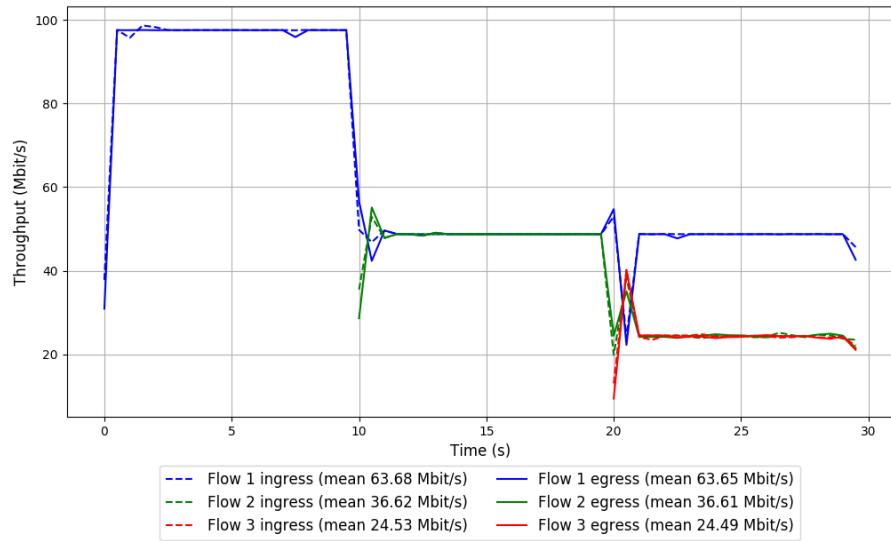
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.70	39.53	31.34	60.82	64.63	65.72	0.54	0.71	1.23
TCP Cubic	10	38.80	27.59	27.31	41.88	46.67	46.47	0.29	0.44	0.77
LEDBAT	10	28.25	22.42	17.31	40.75	41.71	39.67	0.35	0.48	0.93
PCC	10	61.94	30.29	21.80	52.53	53.10	54.66	0.44	0.66	1.16
QUIC Cubic	10	39.76	28.82	35.77	46.93	48.12	51.02	0.42	0.60	1.06
SCReAM	10	0.22	0.21	0.22	24.92	24.65	24.93	0.28	0.39	0.35
WebRTC media	10	2.47	1.58	0.66	25.94	26.33	26.06	0.30	0.40	0.27
Sprout	10	15.20	14.74	14.31	30.83	32.43	32.36	0.28	0.44	0.66
TaoVA-100x	10	50.15	39.39	32.44	53.37	53.72	56.56	0.44	0.58	1.14
TCP Vegas	10	28.02	27.96	32.21	40.34	40.68	45.68	0.37	0.48	0.64
Verus	10	55.94	39.18	29.06	59.93	61.68	66.35	0.50	0.65	1.31
Copa	10	39.54	32.50	22.31	29.92	30.65	31.17	0.35	0.47	0.92
FillP	9	59.41	39.20	32.35	56.83	61.13	60.70	0.63	0.80	1.63
Indigo-1-32	10	54.57	36.71	33.27	34.23	34.95	34.40	0.39	0.53	0.83
Vivace-latency	10	54.14	26.51	23.30	47.38	52.35	40.42	0.37	0.60	1.04
Vivace-loss	10	54.45	36.00	31.40	61.57	66.98	60.07	0.75	1.17	1.60
Vivace-LTE	10	56.62	32.45	23.94	52.73	58.30	60.96	0.45	0.65	1.39

Run 1: Statistics of TCP BBR

```
Start at: 2018-02-13 13:52:18
End at: 2018-02-13 13:52:48
Local clock offset: -0.479 ms
Remote clock offset: 2.006 ms

# Below is generated by plot.py at 2018-02-13 21:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 69.430 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 47.143 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 69.940 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 70.084 ms
Loss rate: 1.03%
```

Run 1: Report of TCP BBR — Data Link

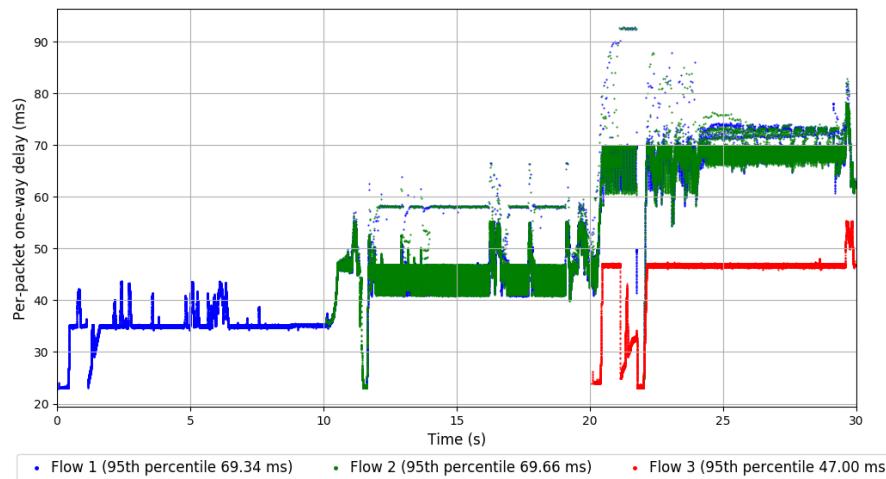
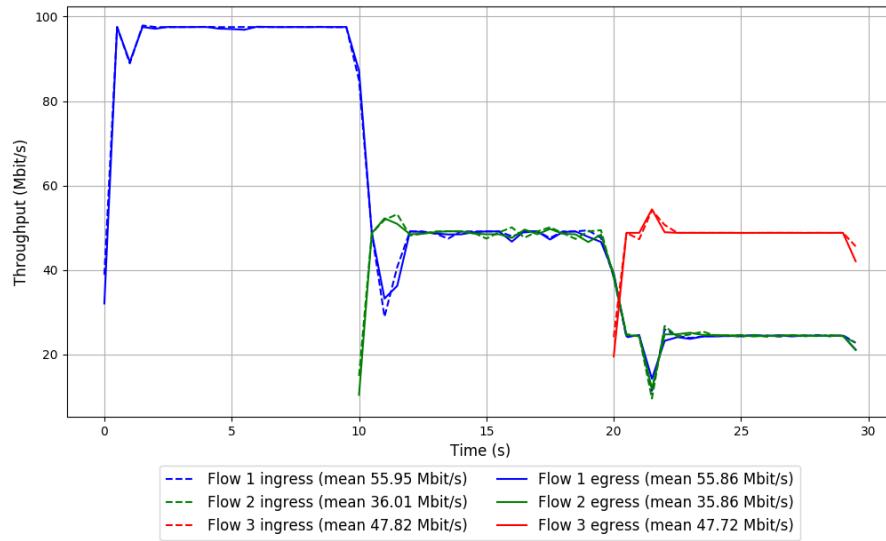


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-13 14:16:50
End at: 2018-02-13 14:17:20
Local clock offset: 2.013 ms
Remote clock offset: 2.425 ms

# Below is generated by plot.py at 2018-02-13 21:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 69.377 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 69.337 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 69.664 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 47.72 Mbit/s
95th percentile per-packet one-way delay: 47.000 ms
Loss rate: 0.85%
```

Run 2: Report of TCP BBR — Data Link

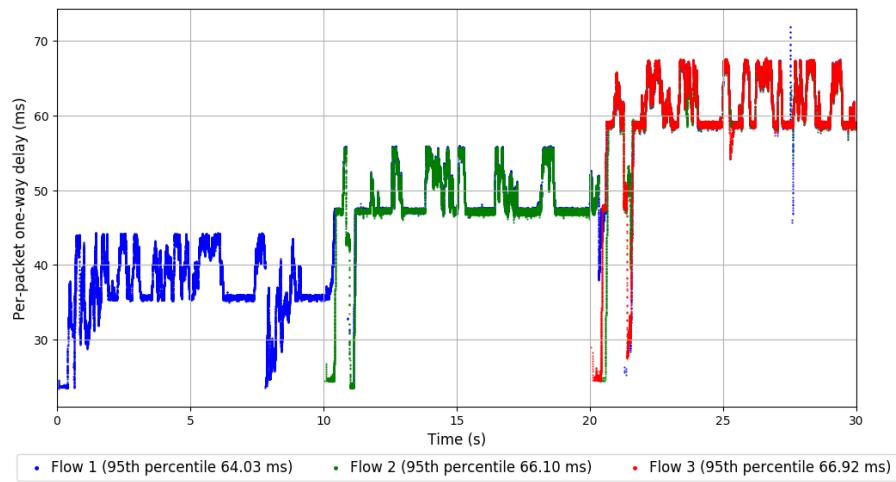
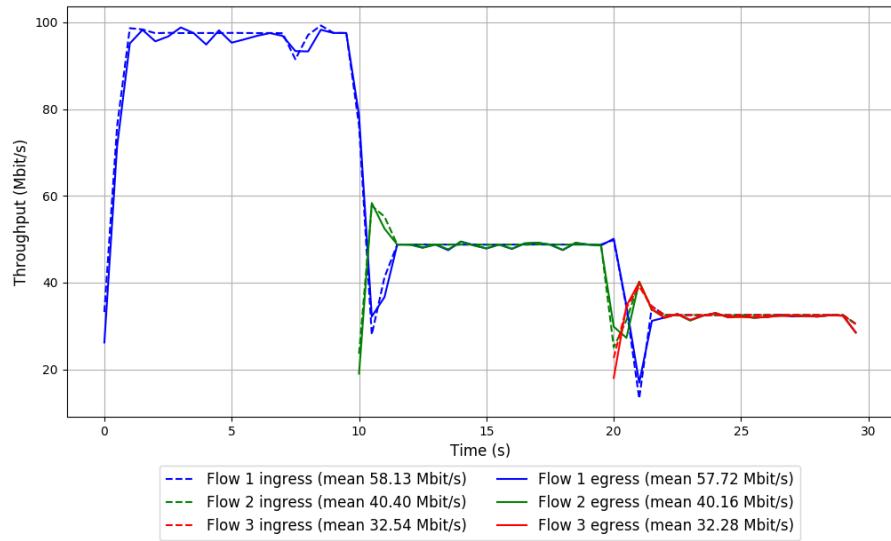


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-13 14:41:43
End at: 2018-02-13 14:42:13
Local clock offset: 1.138 ms
Remote clock offset: 1.826 ms

# Below is generated by plot.py at 2018-02-13 21:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 65.905 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 64.028 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 66.098 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 66.922 ms
Loss rate: 1.54%
```

Run 3: Report of TCP BBR — Data Link

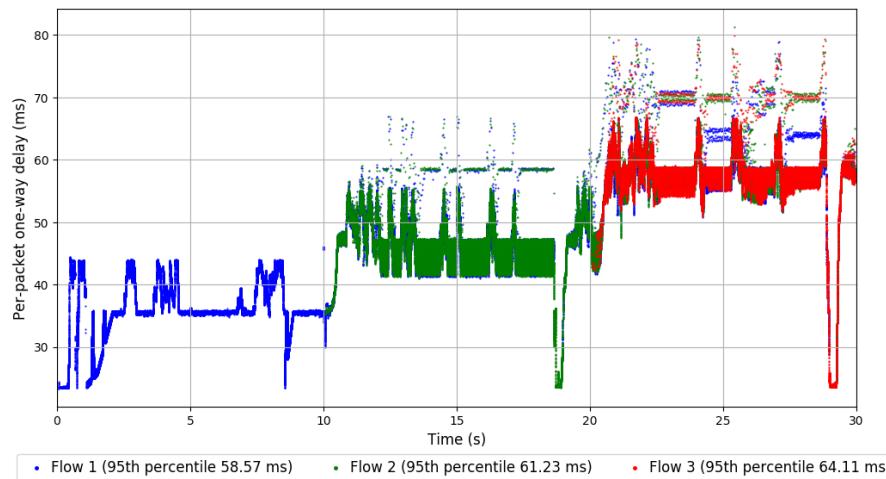
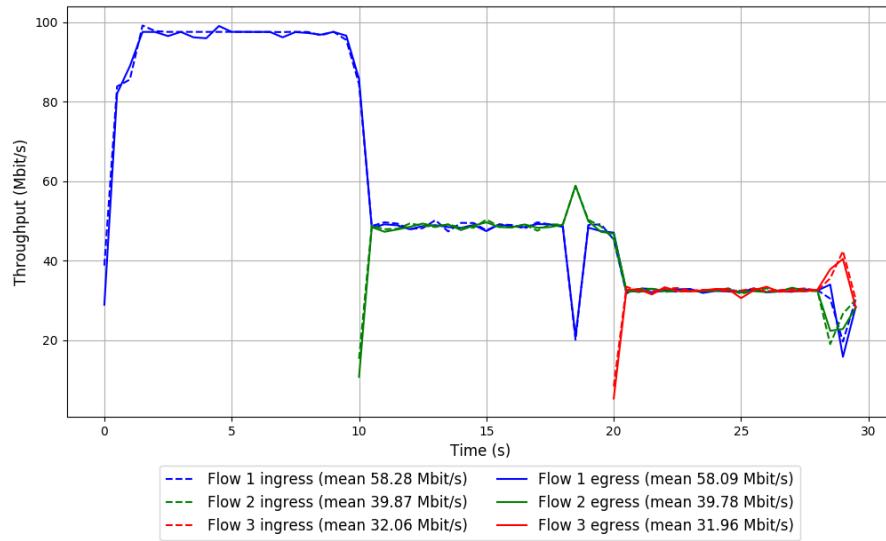


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-13 15:06:44
End at: 2018-02-13 15:07:14
Local clock offset: 0.767 ms
Remote clock offset: 9.419 ms

# Below is generated by plot.py at 2018-02-13 21:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 60.560 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 58.567 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 61.233 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 64.105 ms
Loss rate: 1.25%
```

Run 4: Report of TCP BBR — Data Link

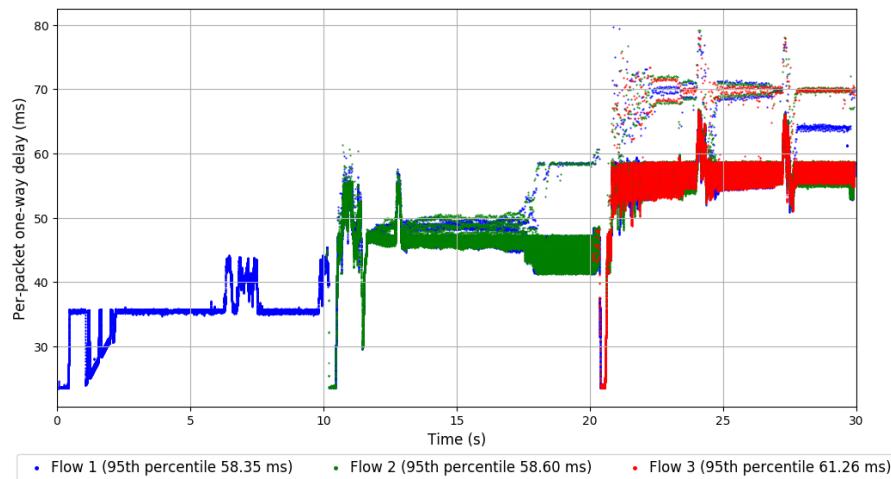
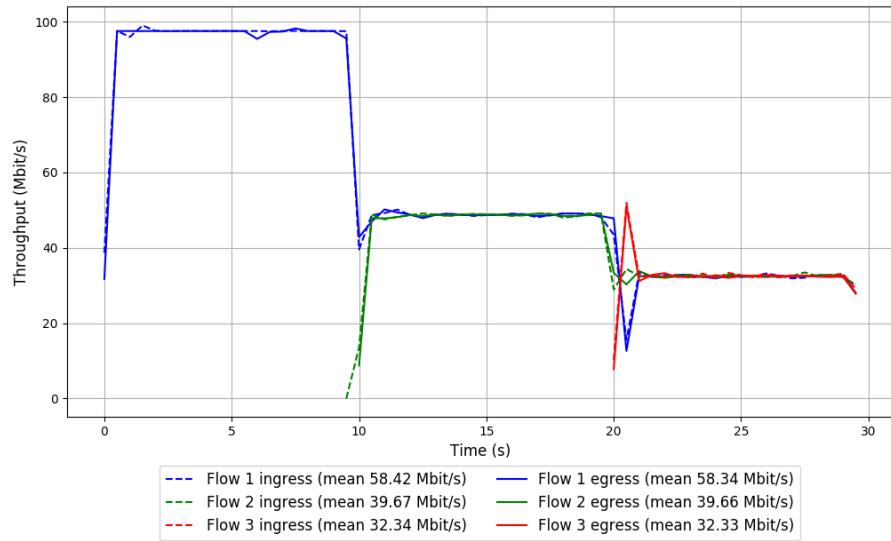


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-13 15:31:35
End at: 2018-02-13 15:32:05
Local clock offset: 0.898 ms
Remote clock offset: 13.635 ms

# Below is generated by plot.py at 2018-02-13 21:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 58.529 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 58.354 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 58.596 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 61.256 ms
Loss rate: 0.95%
```

Run 5: Report of TCP BBR — Data Link

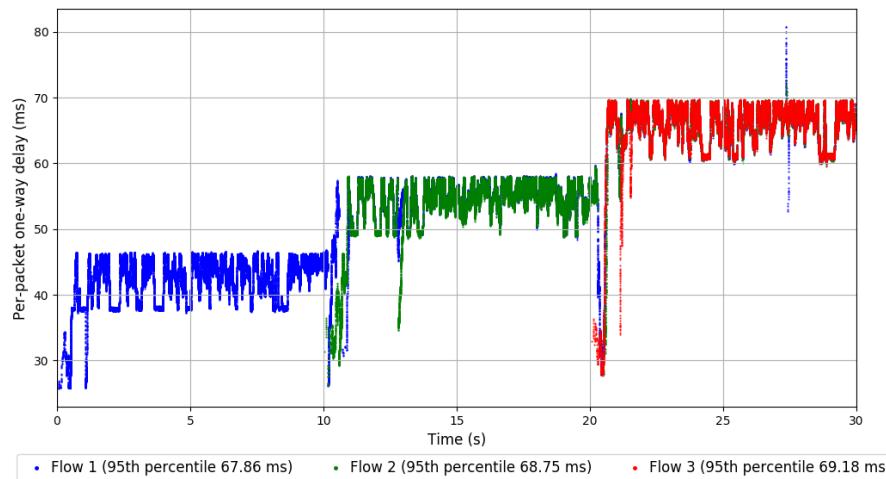
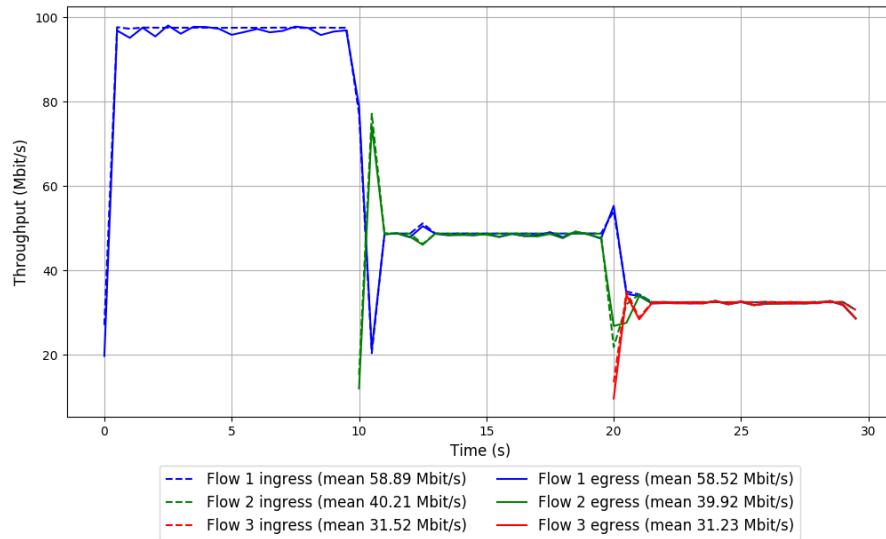


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-13 15:56:49
End at: 2018-02-13 15:57:19
Local clock offset: -0.502 ms
Remote clock offset: 14.53 ms

# Below is generated by plot.py at 2018-02-13 21:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 68.594 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 67.855 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 68.755 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 69.184 ms
Loss rate: 1.69%
```

Run 6: Report of TCP BBR — Data Link

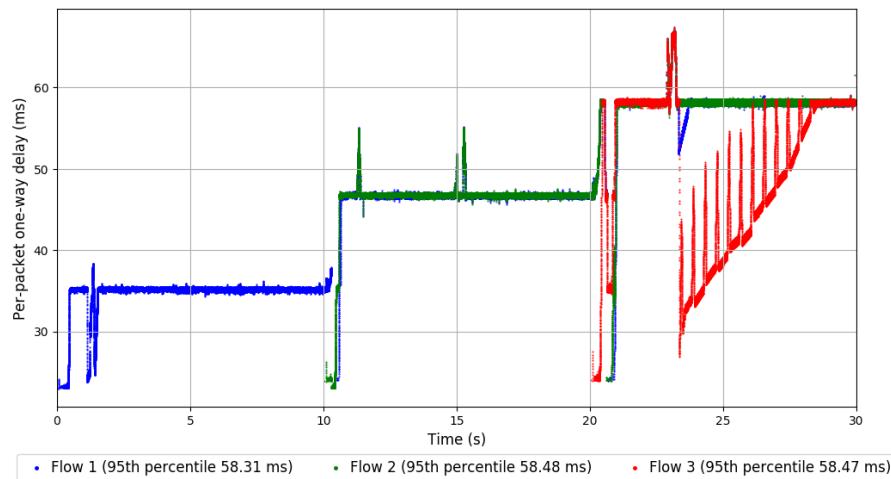
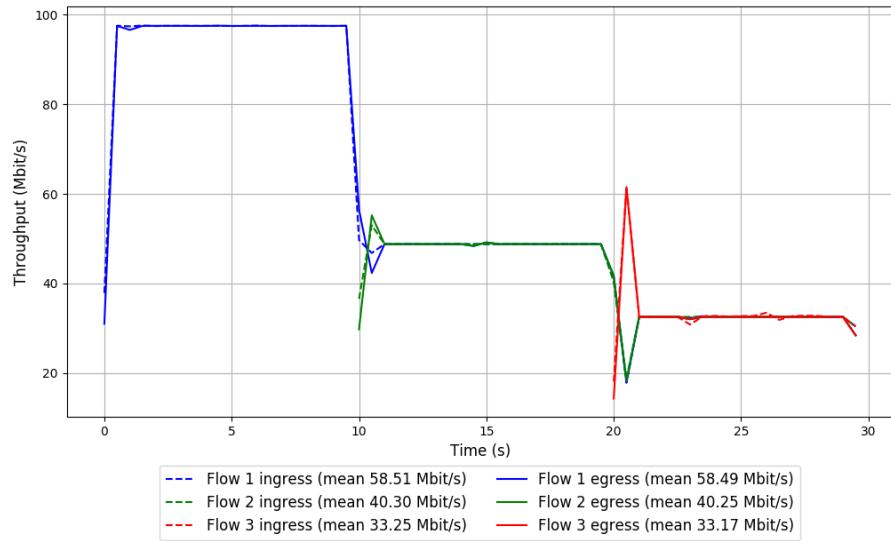


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-13 16:23:20
End at: 2018-02-13 16:23:50
Local clock offset: -0.749 ms
Remote clock offset: 8.417 ms

# Below is generated by plot.py at 2018-02-13 21:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 58.389 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 58.310 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 58.477 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 58.471 ms
Loss rate: 0.95%
```

Run 7: Report of TCP BBR — Data Link

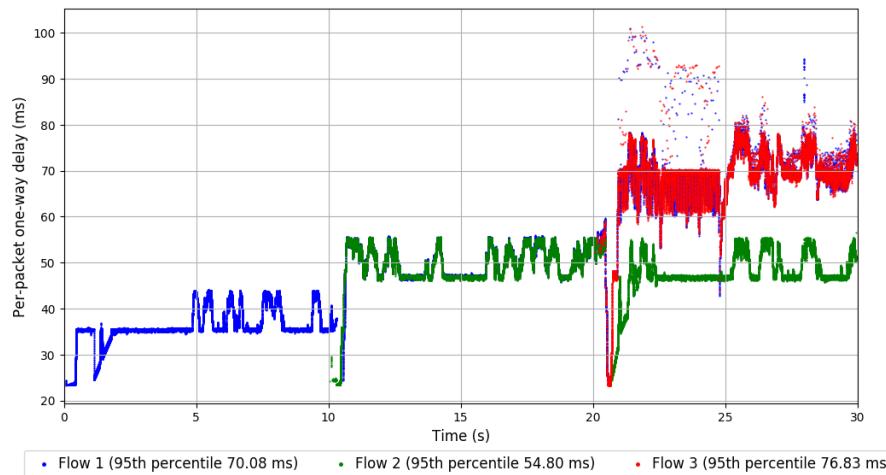
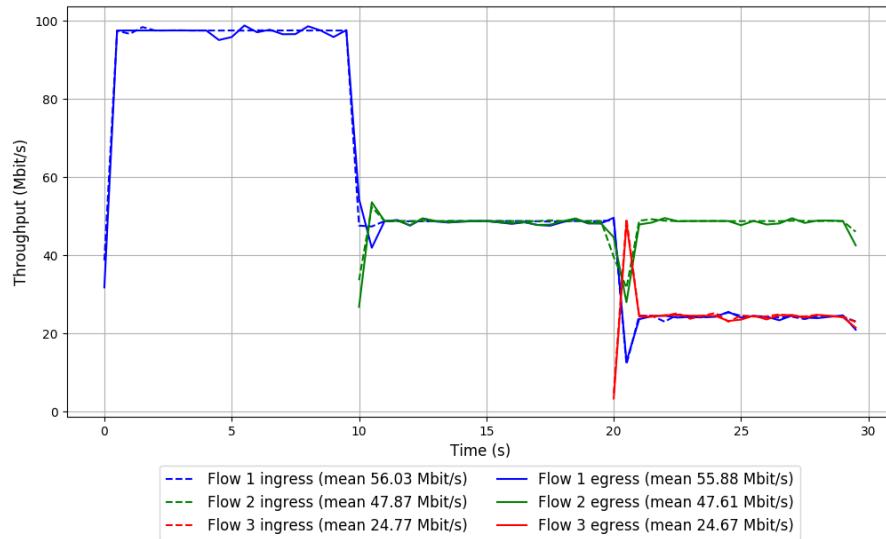


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-13 16:47:55
End at: 2018-02-13 16:48:25
Local clock offset: 0.367 ms
Remote clock offset: 8.087 ms

# Below is generated by plot.py at 2018-02-13 21:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 70.672 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 70.084 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 54.801 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 76.833 ms
Loss rate: 1.26%
```

Run 8: Report of TCP BBR — Data Link

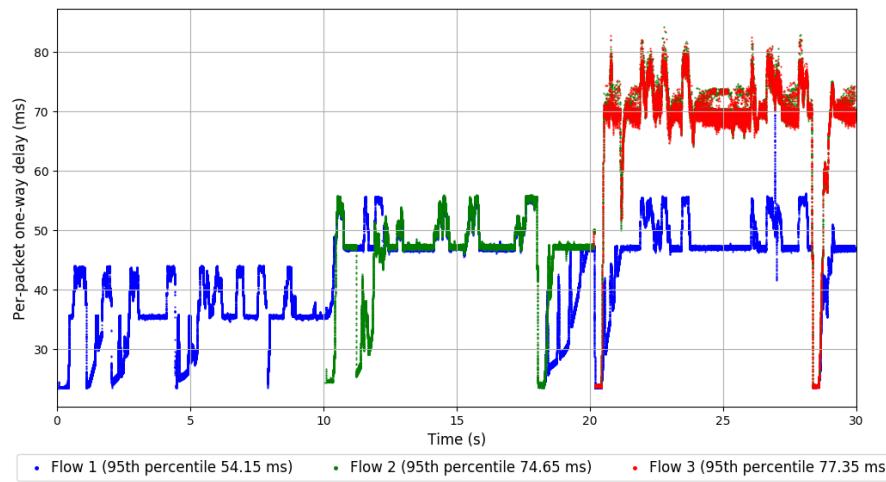
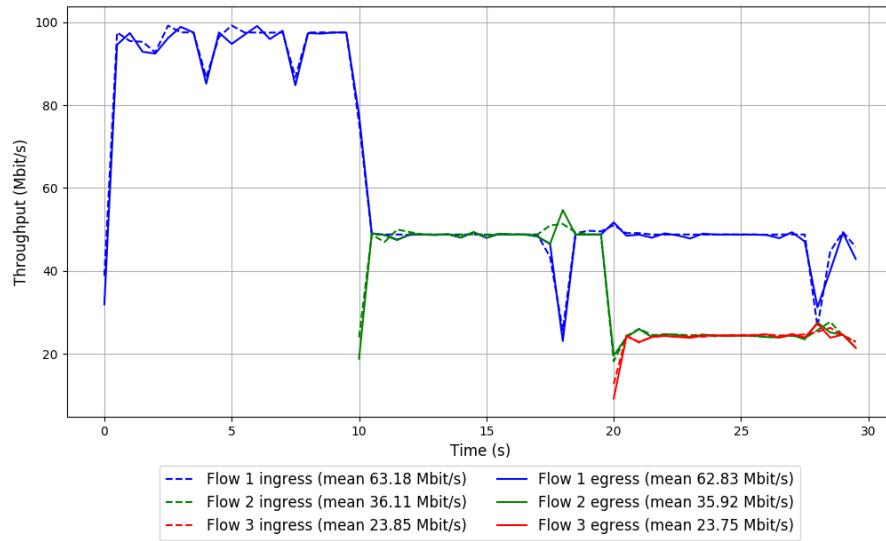


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-13 17:12:37
End at: 2018-02-13 17:13:07
Local clock offset: 2.57 ms
Remote clock offset: 7.165 ms

# Below is generated by plot.py at 2018-02-13 22:00:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 70.966 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 62.83 Mbit/s
95th percentile per-packet one-way delay: 54.152 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 74.649 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 77.349 ms
Loss rate: 1.41%
```

Run 9: Report of TCP BBR — Data Link

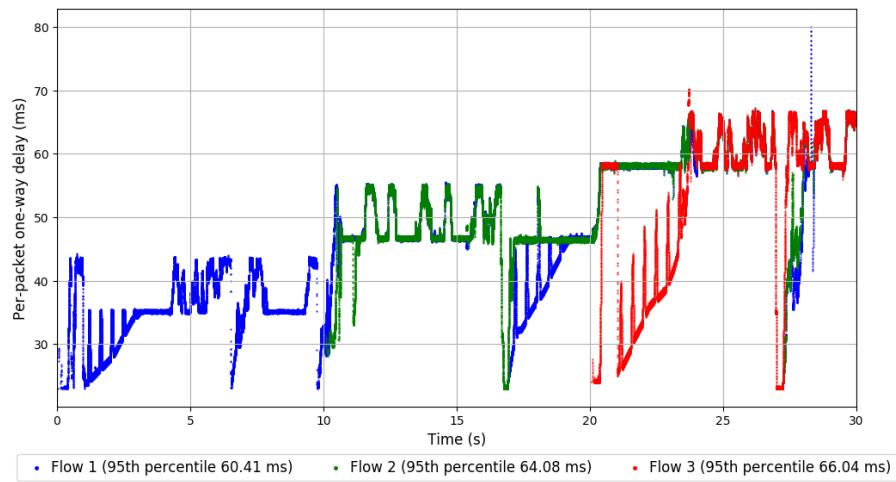
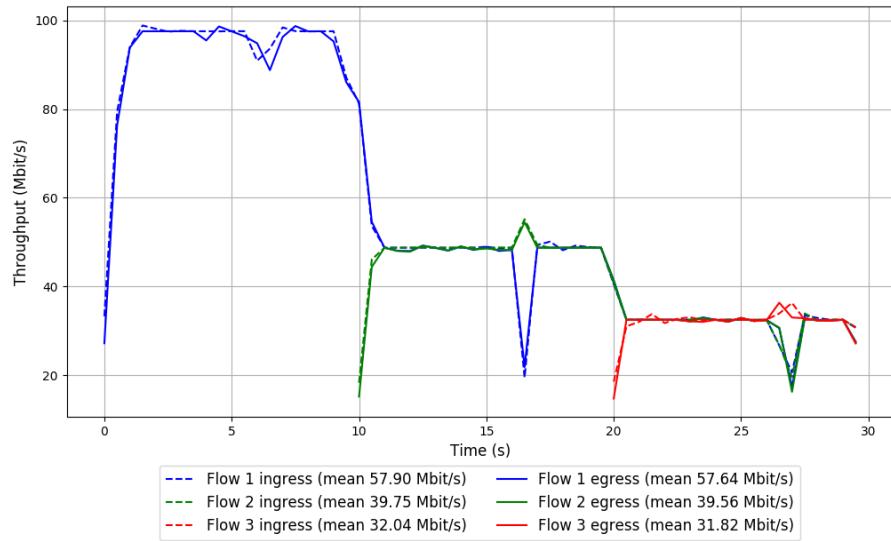


Run 10: Statistics of TCP BBR

```
Start at: 2018-02-13 17:37:28
End at: 2018-02-13 17:37:58
Local clock offset: 1.172 ms
Remote clock offset: 8.562 ms

# Below is generated by plot.py at 2018-02-13 22:00:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 63.641 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 60.407 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 64.079 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 66.037 ms
Loss rate: 1.40%
```

Run 10: Report of TCP BBR — Data Link

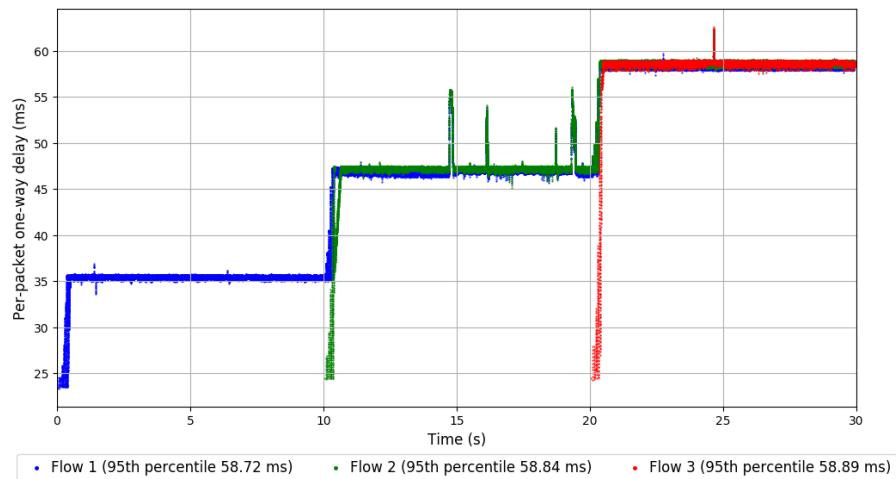
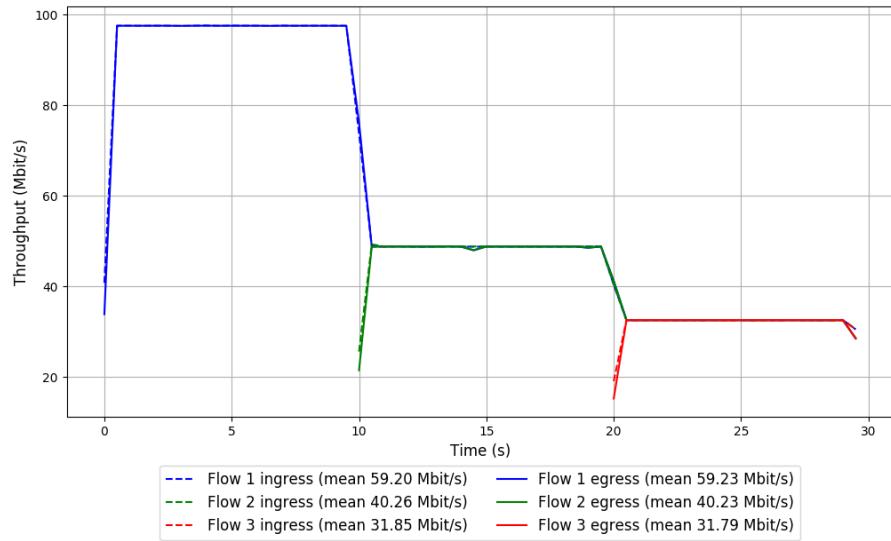


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-02-13 13:46:48
End at: 2018-02-13 13:47:18
Local clock offset: -0.869 ms
Remote clock offset: 2.365 ms

# Below is generated by plot.py at 2018-02-13 22:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 58.811 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 58.717 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 58.837 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 58.888 ms
Loss rate: 0.92%
```

Run 1: Report of TCP Cubic — Data Link

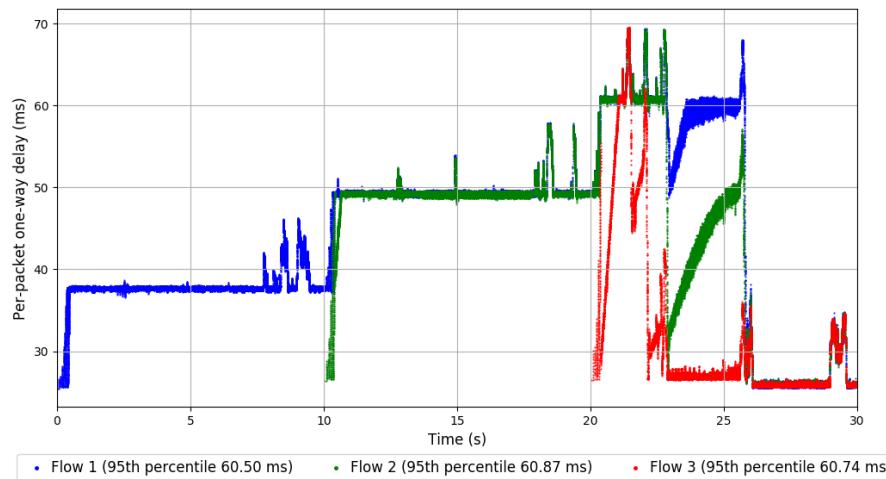
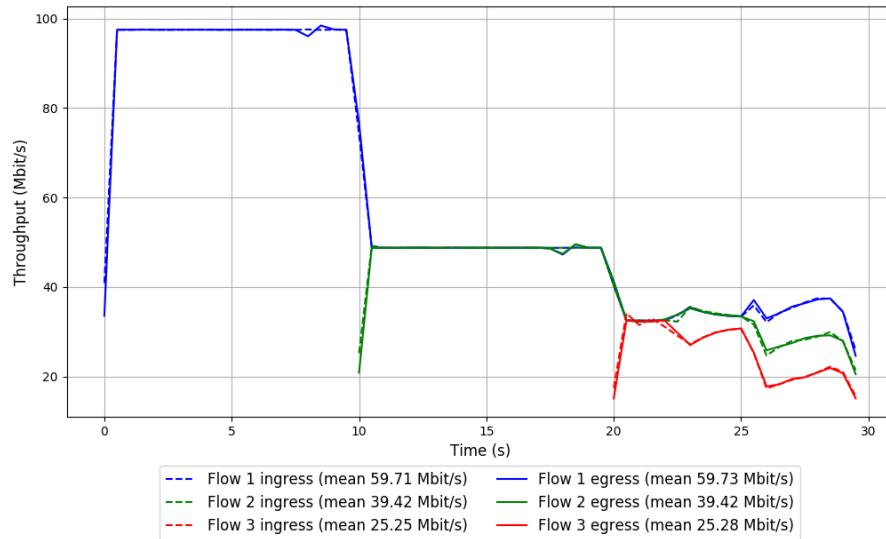


Run 2: Statistics of TCP Cubic

```
Start at: 2018-02-13 14:11:20
End at: 2018-02-13 14:11:50
Local clock offset: 1.877 ms
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2018-02-13 22:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 60.665 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 60.496 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 60.868 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 60.745 ms
Loss rate: 0.50%
```

Run 2: Report of TCP Cubic — Data Link

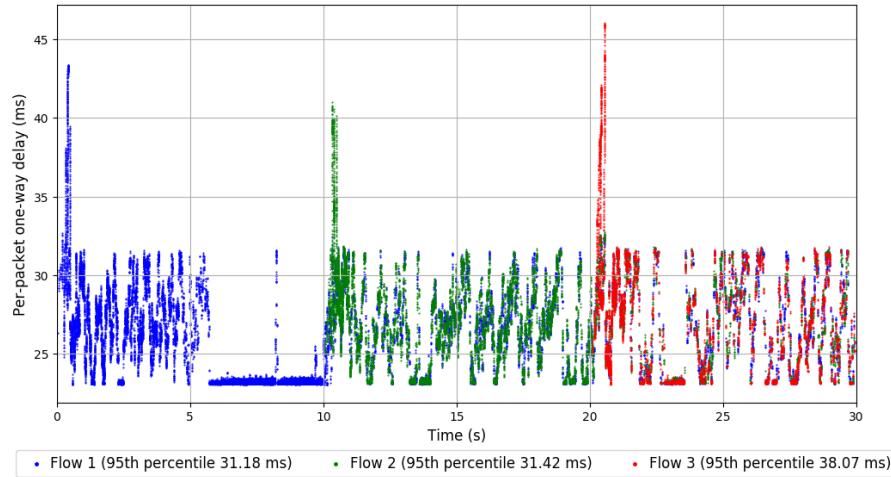
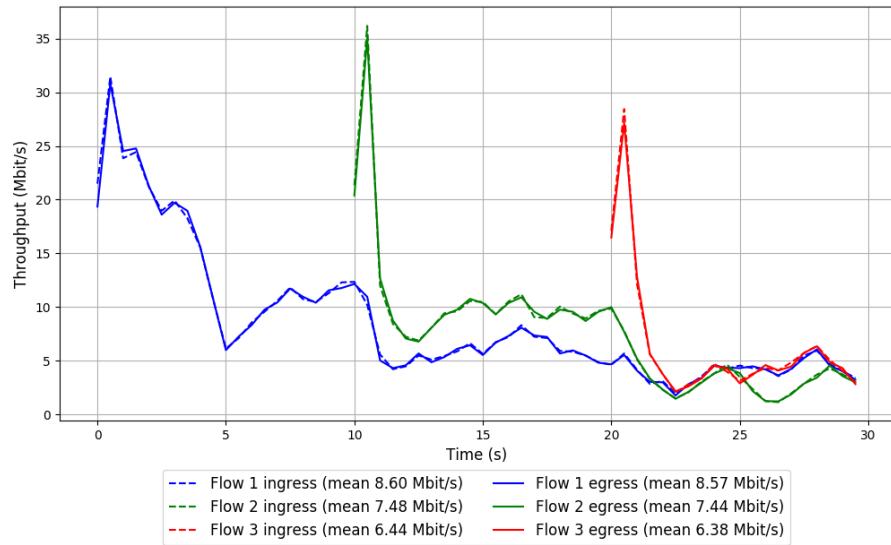


Run 3: Statistics of TCP Cubic

```
Start at: 2018-02-13 14:36:06
End at: 2018-02-13 14:36:36
Local clock offset: 1.281 ms
Remote clock offset: 2.297 ms

# Below is generated by plot.py at 2018-02-13 22:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 31.409 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 31.185 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 31.419 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 38.071 ms
Loss rate: 1.39%
```

Run 3: Report of TCP Cubic — Data Link

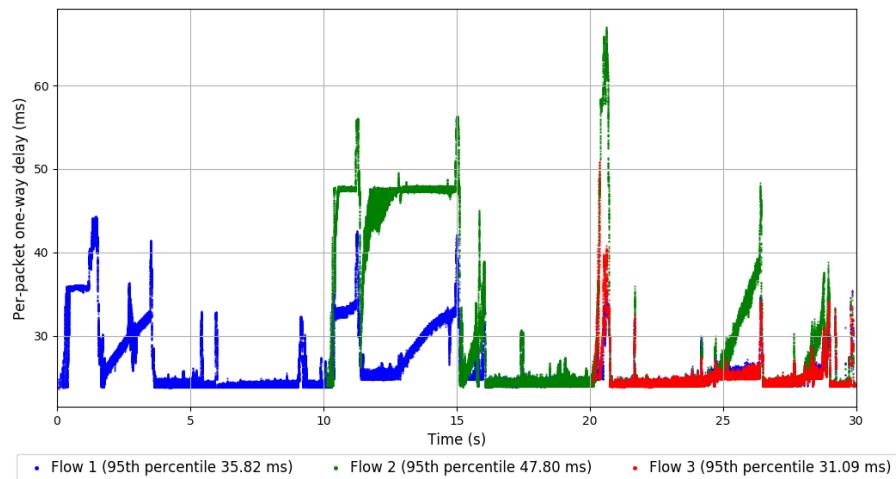
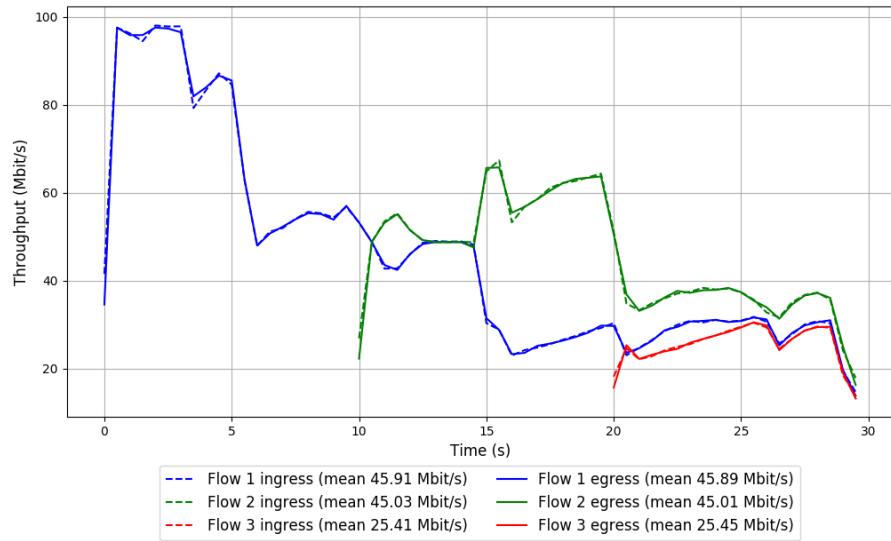


Run 4: Statistics of TCP Cubic

```
Start at: 2018-02-13 15:01:00
End at: 2018-02-13 15:01:30
Local clock offset: 0.769 ms
Remote clock offset: 7.134 ms

# Below is generated by plot.py at 2018-02-13 22:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 47.529 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 35.821 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 45.01 Mbit/s
95th percentile per-packet one-way delay: 47.802 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 31.088 ms
Loss rate: 0.37%
```

Run 4: Report of TCP Cubic — Data Link

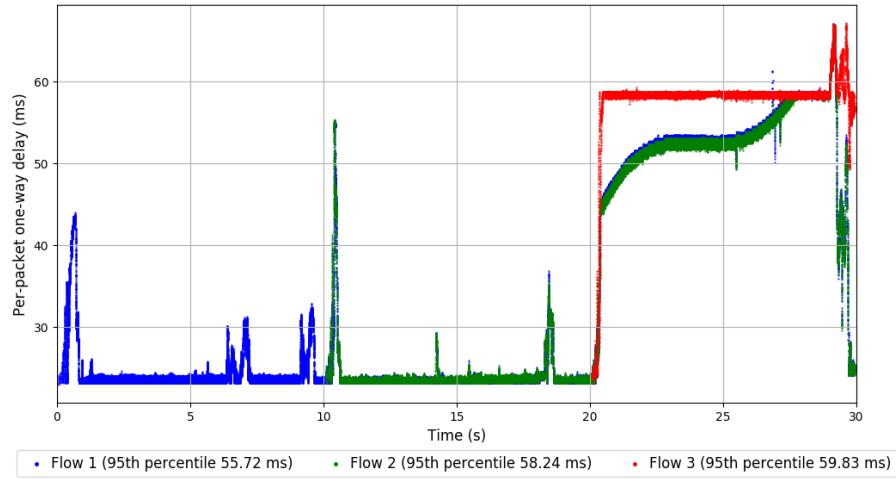
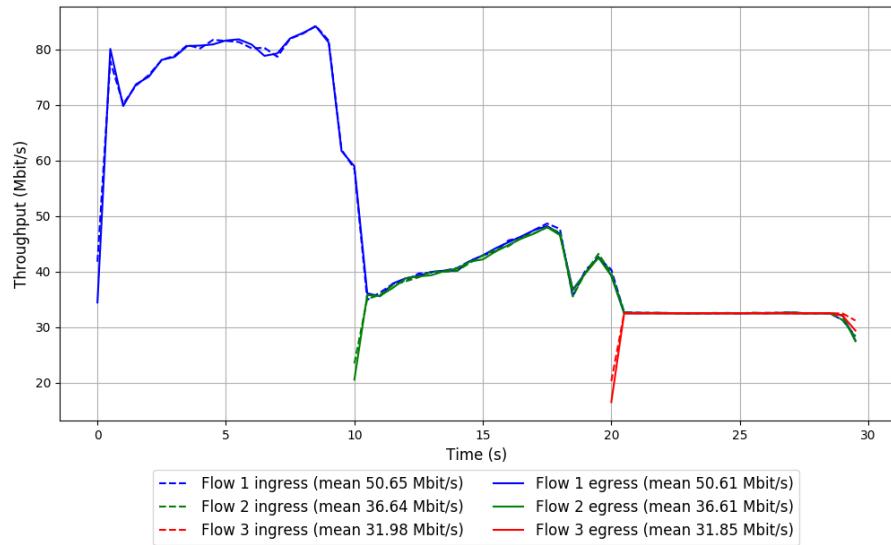


Run 5: Statistics of TCP Cubic

```
Start at: 2018-02-13 15:25:59
End at: 2018-02-13 15:26:29
Local clock offset: 0.996 ms
Remote clock offset: 13.288 ms

# Below is generated by plot.py at 2018-02-13 22:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 58.538 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 55.721 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 58.244 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 59.829 ms
Loss rate: 0.94%
```

Run 5: Report of TCP Cubic — Data Link

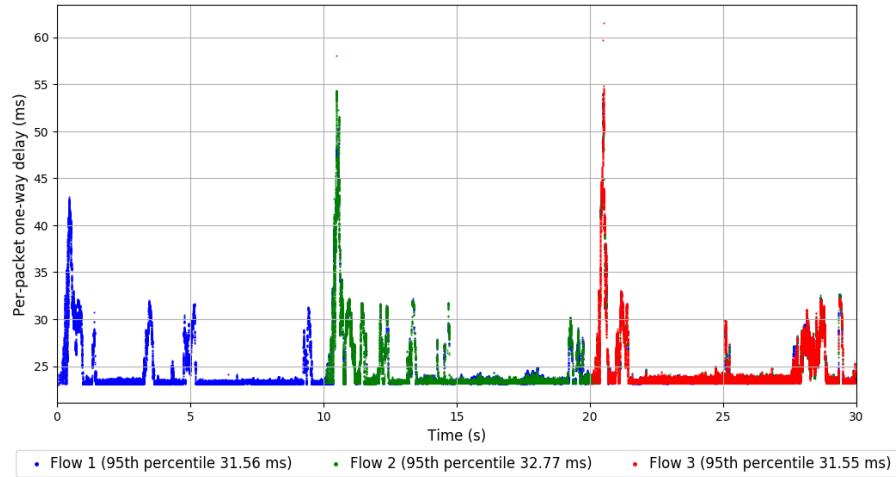
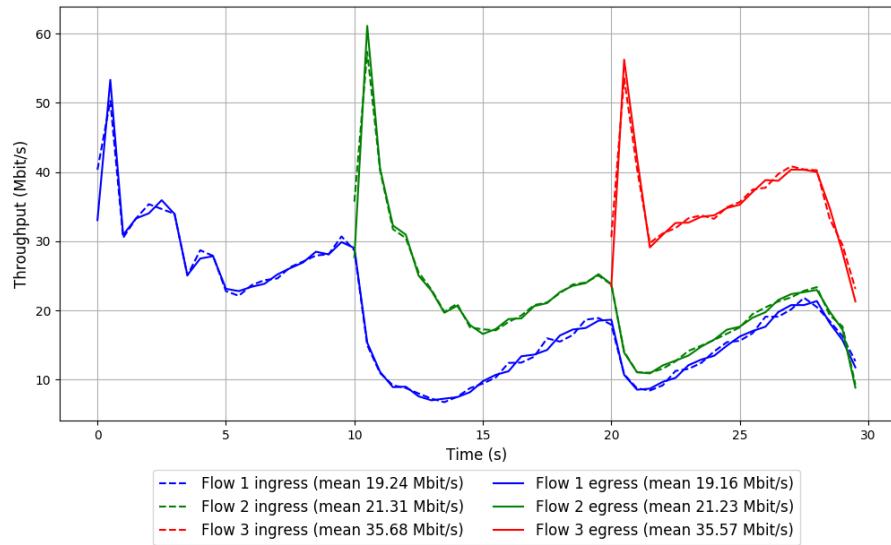


Run 6: Statistics of TCP Cubic

```
Start at: 2018-02-13 15:50:55
End at: 2018-02-13 15:51:26
Local clock offset: -0.375 ms
Remote clock offset: 16.455 ms

# Below is generated by plot.py at 2018-02-13 22:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 31.752 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 31.559 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 32.766 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 31.551 ms
Loss rate: 0.85%
```

Run 6: Report of TCP Cubic — Data Link

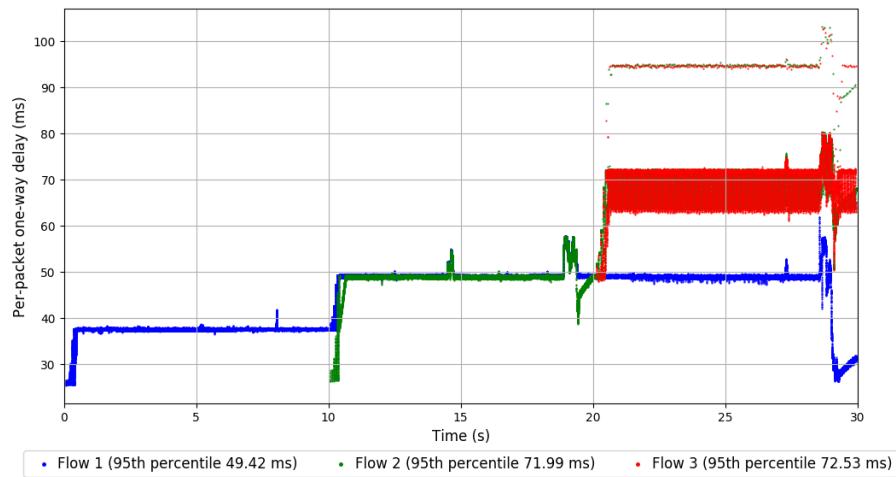
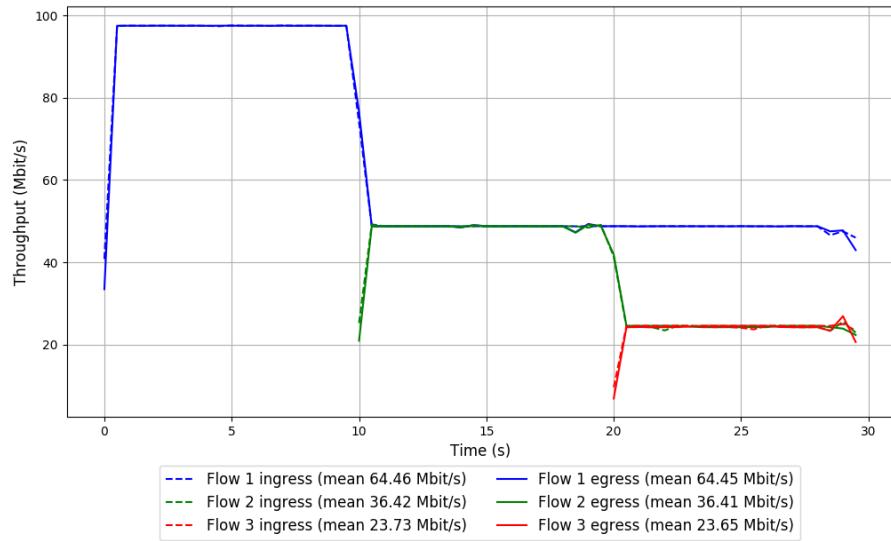


Run 7: Statistics of TCP Cubic

```
Start at: 2018-02-13 16:17:49
End at: 2018-02-13 16:18:19
Local clock offset: -0.735 ms
Remote clock offset: 6.853 ms

# Below is generated by plot.py at 2018-02-13 22:01:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 71.849 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 49.421 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 71.990 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 72.526 ms
Loss rate: 1.20%
```

Run 7: Report of TCP Cubic — Data Link

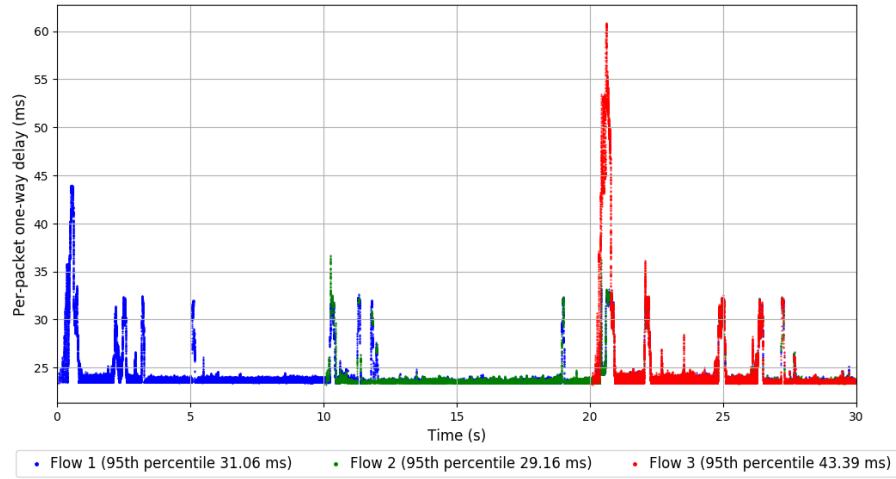
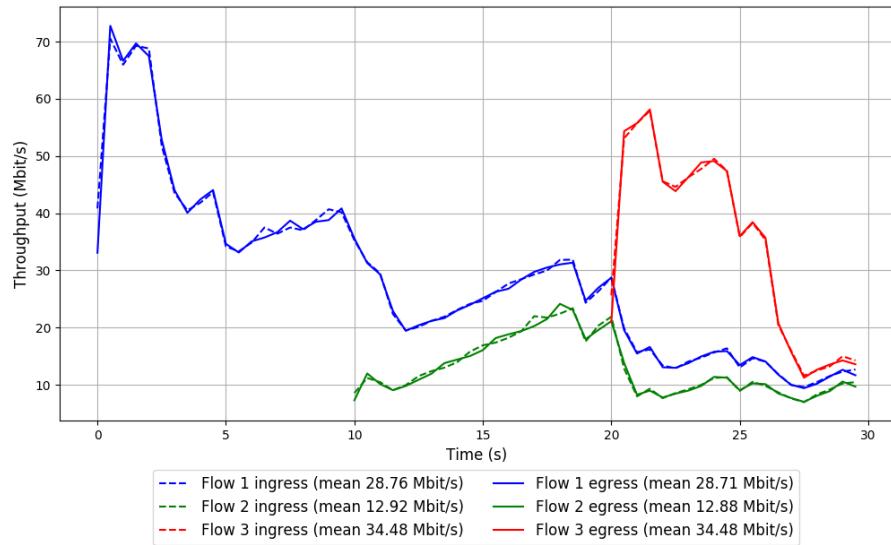


Run 8: Statistics of TCP Cubic

```
Start at: 2018-02-13 16:42:24
End at: 2018-02-13 16:42:54
Local clock offset: -0.808 ms
Remote clock offset: 7.766 ms

# Below is generated by plot.py at 2018-02-13 22:01:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 31.494 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 31.064 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 29.162 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 43.388 ms
Loss rate: 0.55%
```

Run 8: Report of TCP Cubic — Data Link

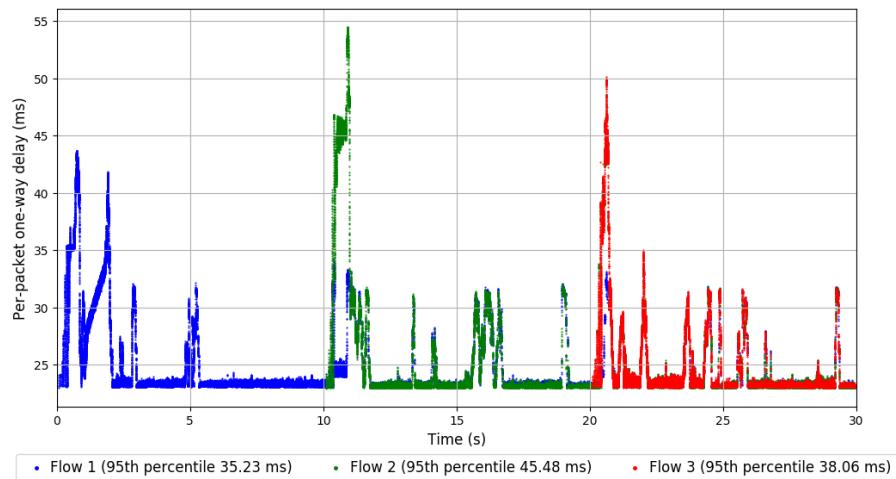
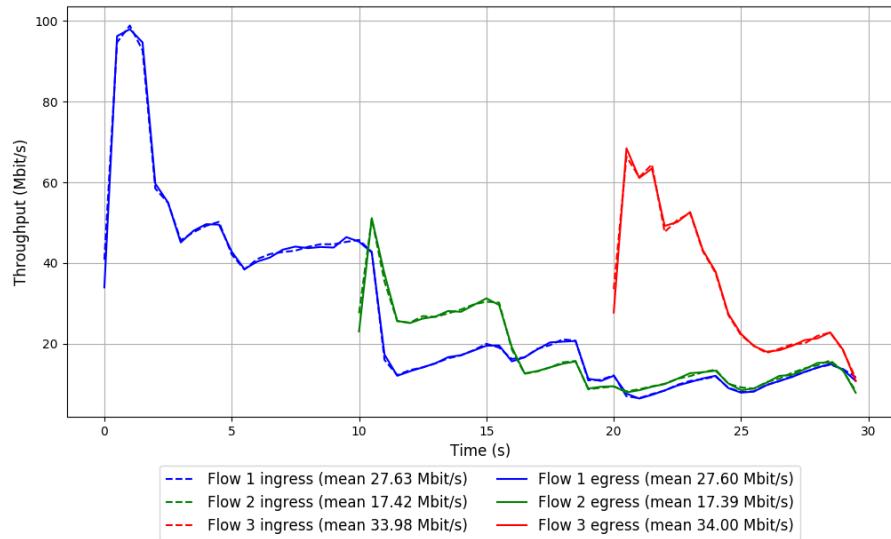


Run 9: Statistics of TCP Cubic

```
Start at: 2018-02-13 17:07:10
End at: 2018-02-13 17:07:40
Local clock offset: 2.226 ms
Remote clock offset: 7.386 ms

# Below is generated by plot.py at 2018-02-13 22:01:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 36.853 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 27.60 Mbit/s
95th percentile per-packet one-way delay: 35.233 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 17.39 Mbit/s
95th percentile per-packet one-way delay: 45.475 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 38.061 ms
Loss rate: 0.47%
```

Run 9: Report of TCP Cubic — Data Link

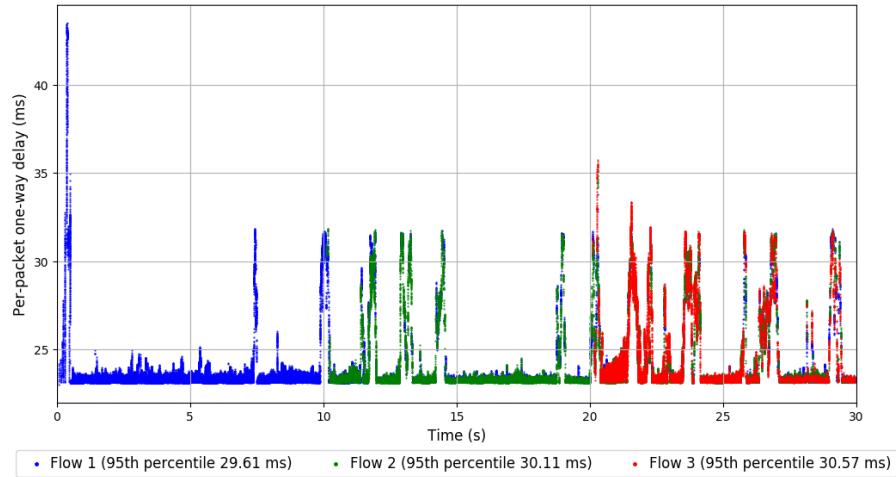
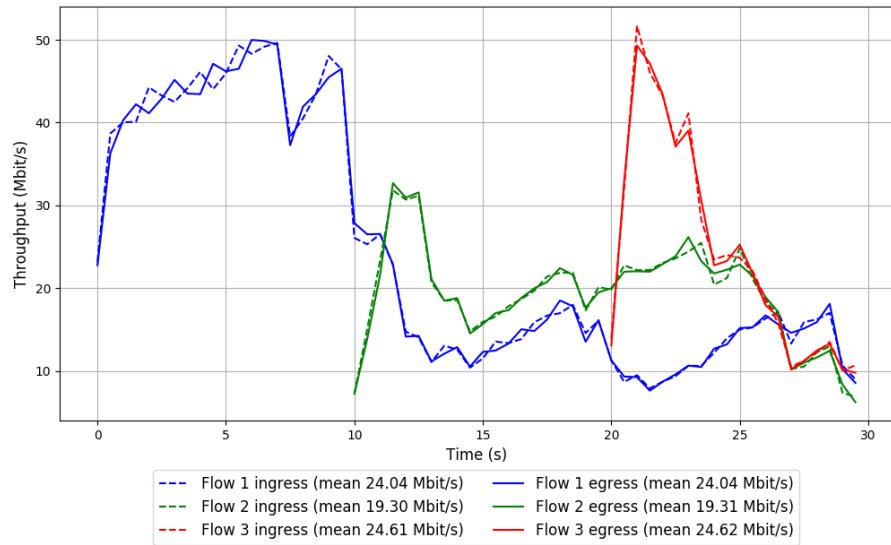


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-02-13 17:31:52
End at: 2018-02-13 17:32:22
Local clock offset: 1.335 ms
Remote clock offset: 8.345 ms

# Below is generated by plot.py at 2018-02-13 22:01:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.00 Mbit/s
95th percentile per-packet one-way delay: 29.992 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 29.615 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 30.112 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 30.575 ms
Loss rate: 0.51%
```

Run 10: Report of TCP Cubic — Data Link

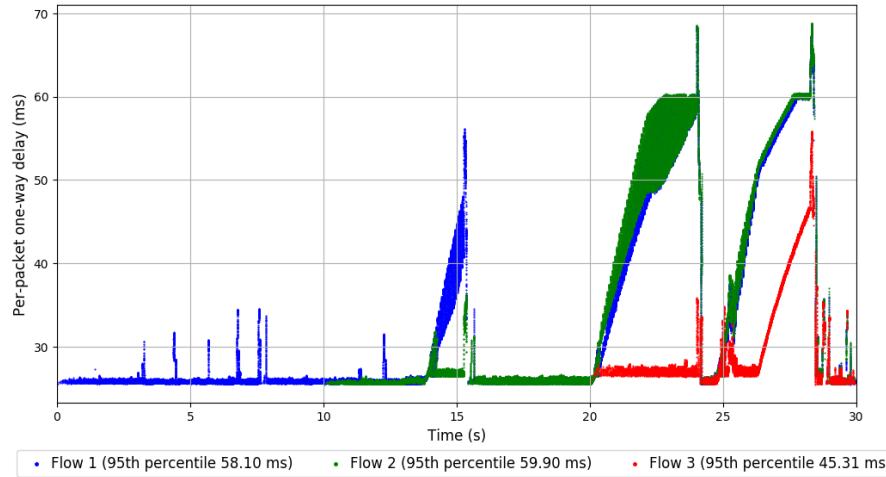
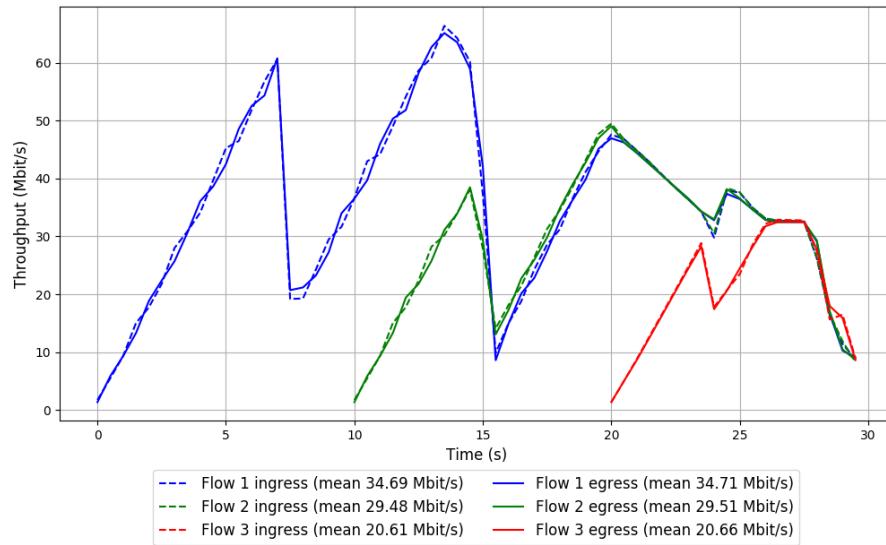


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-13 13:48:10
End at: 2018-02-13 13:48:40
Local clock offset: -0.87 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2018-02-13 22:01:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 58.748 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 58.104 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 59.895 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 45.311 ms
Loss rate: 0.31%
```

Run 1: Report of LEDBAT — Data Link

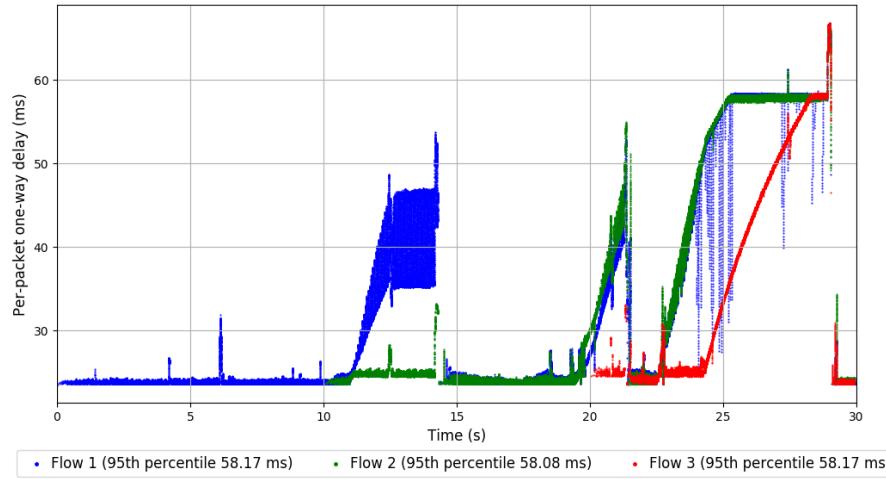
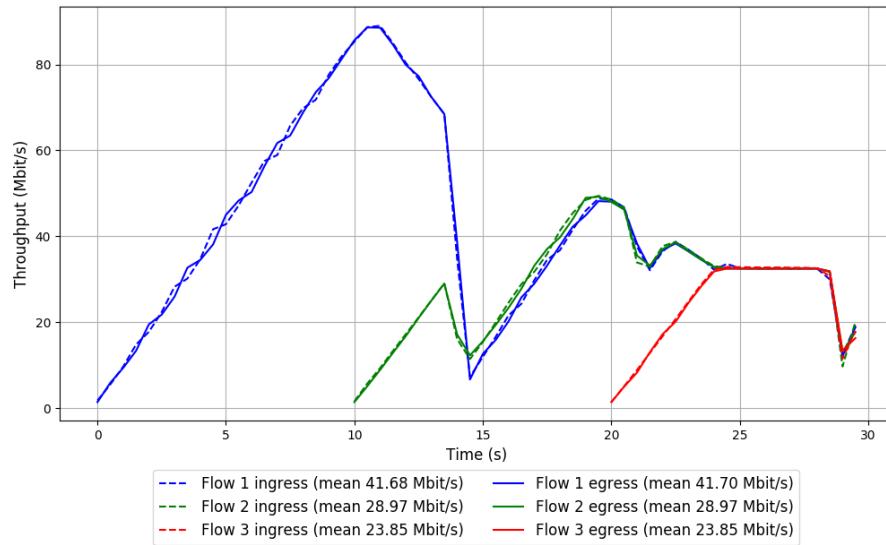


Run 2: Statistics of LEDBAT

```
Start at: 2018-02-13 14:12:42
End at: 2018-02-13 14:13:12
Local clock offset: 1.958 ms
Remote clock offset: 1.846 ms

# Below is generated by plot.py at 2018-02-13 22:02:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.83 Mbit/s
95th percentile per-packet one-way delay: 58.128 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 58.173 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 58.077 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 58.171 ms
Loss rate: 0.53%
```

Run 2: Report of LEDBAT — Data Link

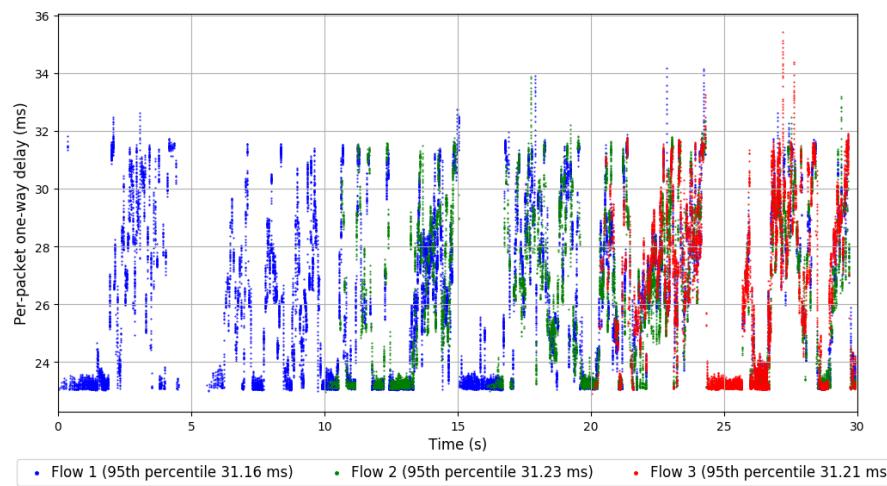
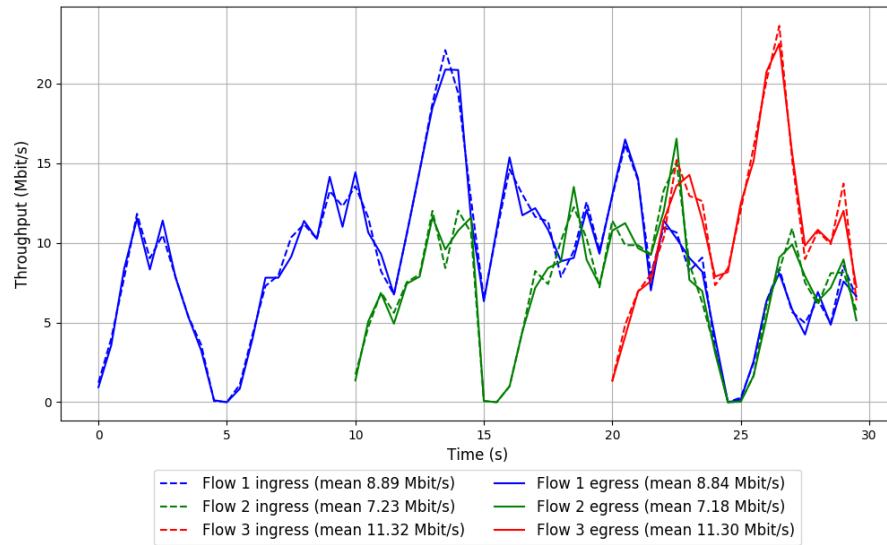


Run 3: Statistics of LEDBAT

```
Start at: 2018-02-13 14:37:25
End at: 2018-02-13 14:37:55
Local clock offset: 1.307 ms
Remote clock offset: 2.39 ms

# Below is generated by plot.py at 2018-02-13 22:02:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.34 Mbit/s
95th percentile per-packet one-way delay: 31.187 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 8.84 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 31.232 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 31.207 ms
Loss rate: 0.74%
```

Run 3: Report of LEDBAT — Data Link

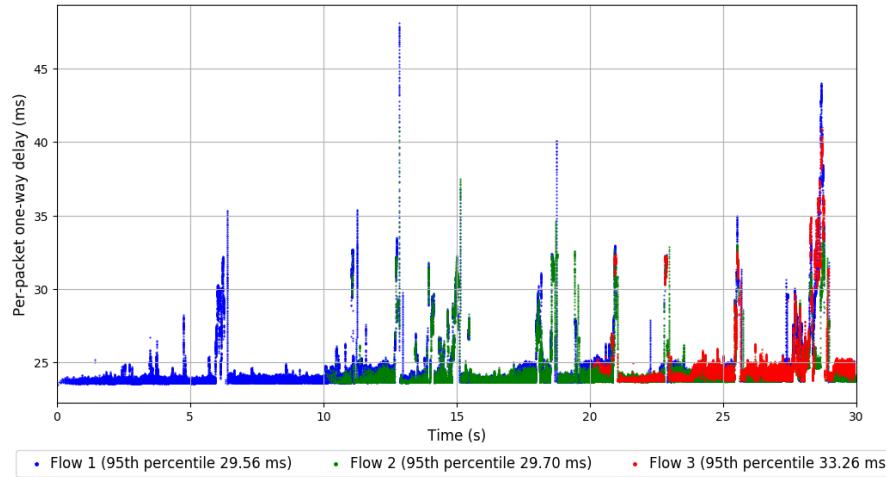
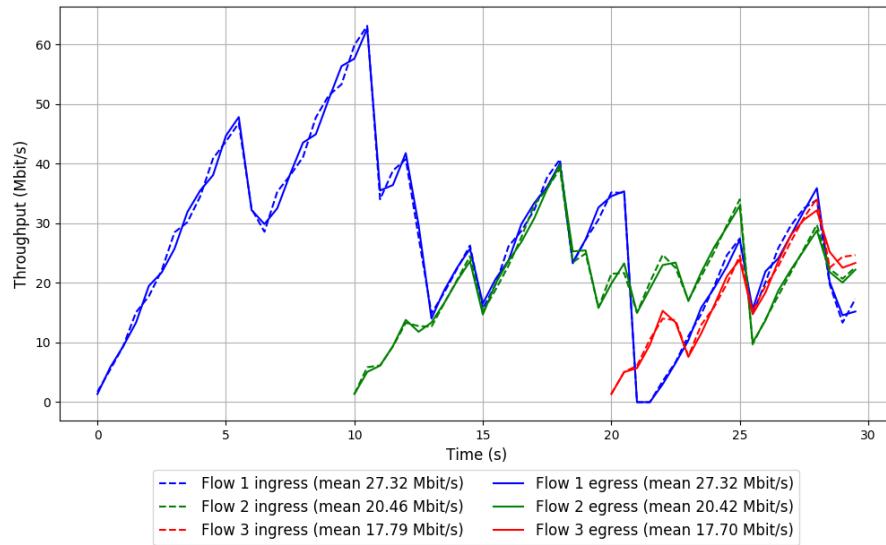


Run 4: Statistics of LEDBAT

```
Start at: 2018-02-13 15:02:24
End at: 2018-02-13 15:02:54
Local clock offset: 0.713 ms
Remote clock offset: 7.842 ms

# Below is generated by plot.py at 2018-02-13 22:02:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 30.177 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 27.32 Mbit/s
95th percentile per-packet one-way delay: 29.561 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 29.704 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 17.70 Mbit/s
95th percentile per-packet one-way delay: 33.257 ms
Loss rate: 1.04%
```

Run 4: Report of LEDBAT — Data Link

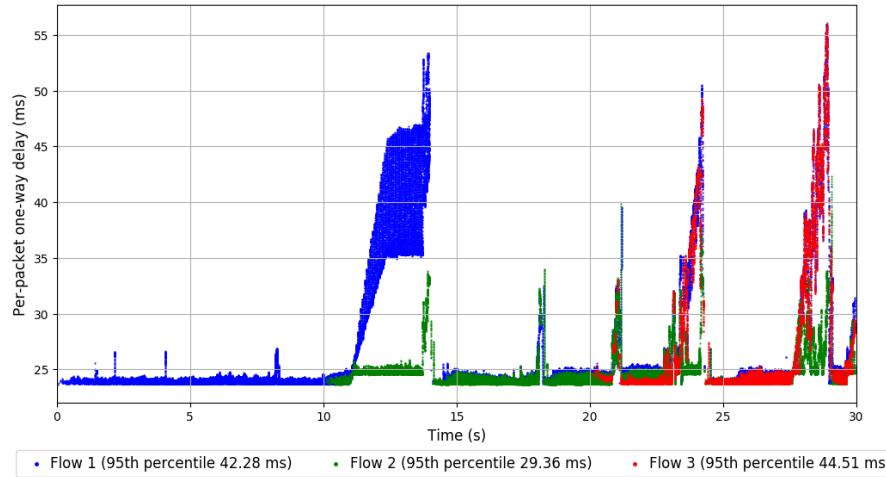
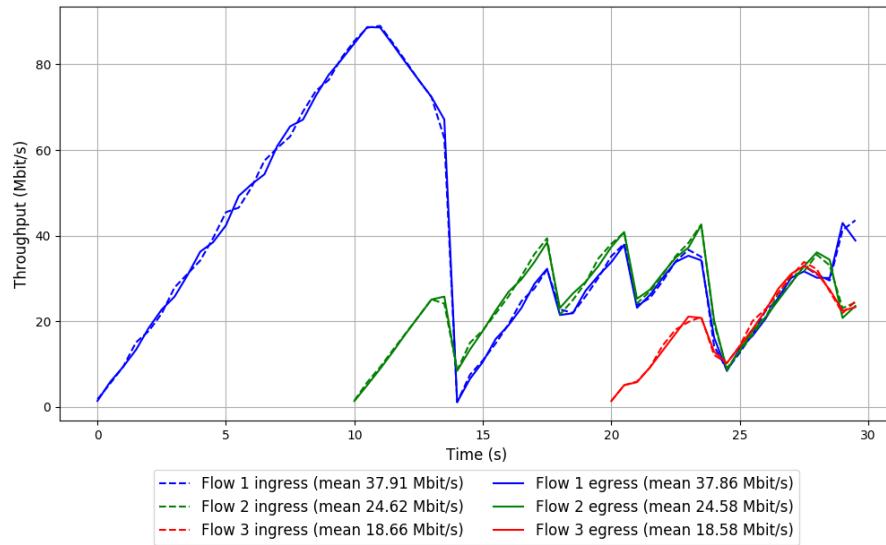


Run 5: Statistics of LEDBAT

```
Start at: 2018-02-13 15:27:21
End at: 2018-02-13 15:27:51
Local clock offset: 0.96 ms
Remote clock offset: 12.997 ms

# Below is generated by plot.py at 2018-02-13 22:02:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 40.672 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 42.281 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 29.362 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 44.509 ms
Loss rate: 0.97%
```

Run 5: Report of LEDBAT — Data Link

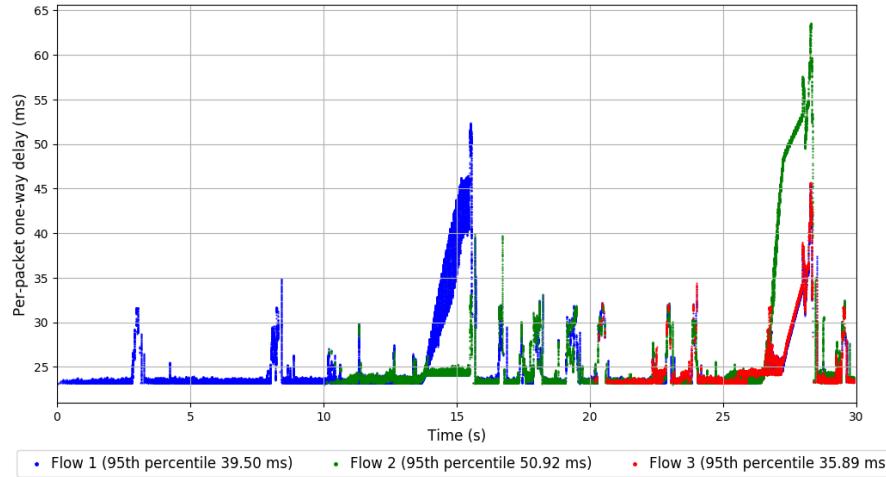
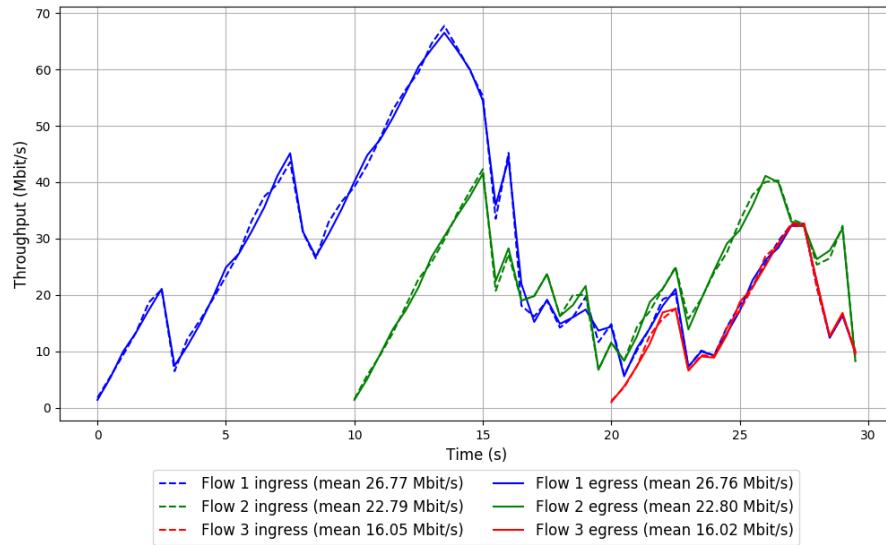


Run 6: Statistics of LEDBAT

```
Start at: 2018-02-13 15:52:16
End at: 2018-02-13 15:52:46
Local clock offset: -0.419 ms
Remote clock offset: 16.613 ms

# Below is generated by plot.py at 2018-02-13 22:02:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 41.888 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 39.501 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 35.886 ms
Loss rate: 0.72%
```

Run 6: Report of LEDBAT — Data Link

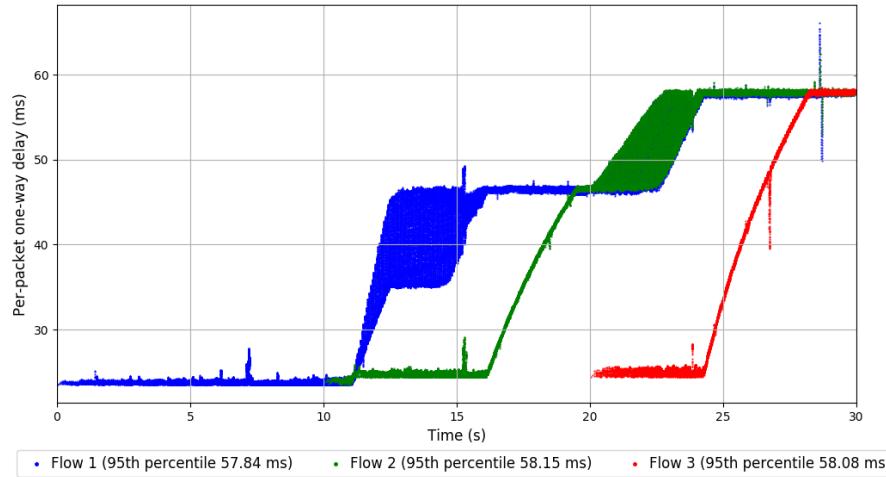
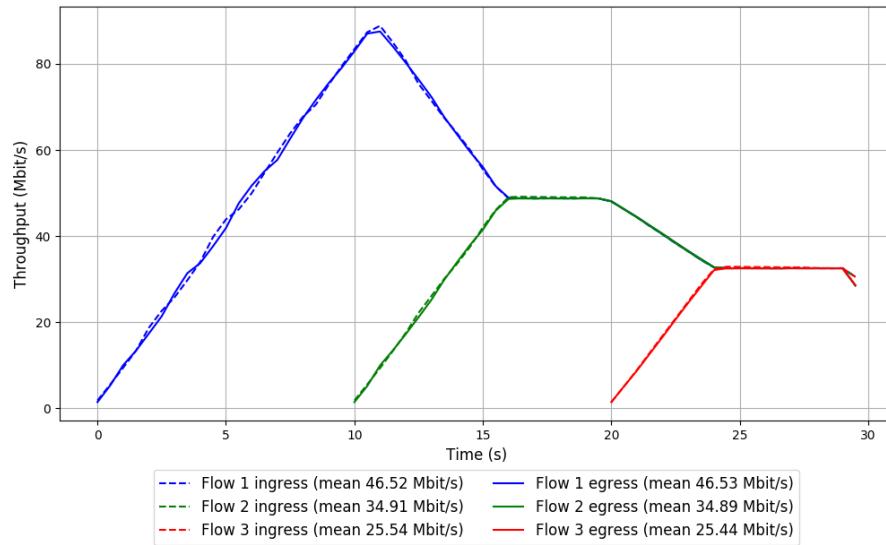


Run 7: Statistics of LEDBAT

```
Start at: 2018-02-13 16:19:11
End at: 2018-02-13 16:19:41
Local clock offset: -0.727 ms
Remote clock offset: 8.62 ms

# Below is generated by plot.py at 2018-02-13 22:02:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 58.043 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 57.845 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 58.147 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 58.080 ms
Loss rate: 1.13%
```

Run 7: Report of LEDBAT — Data Link

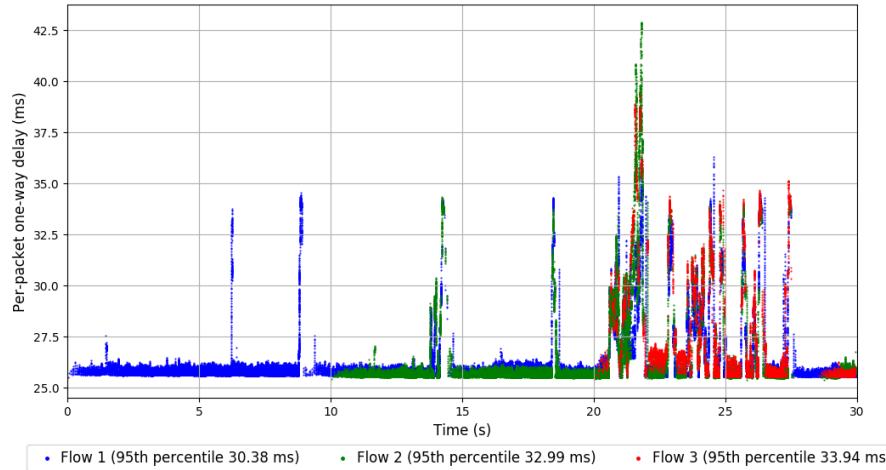
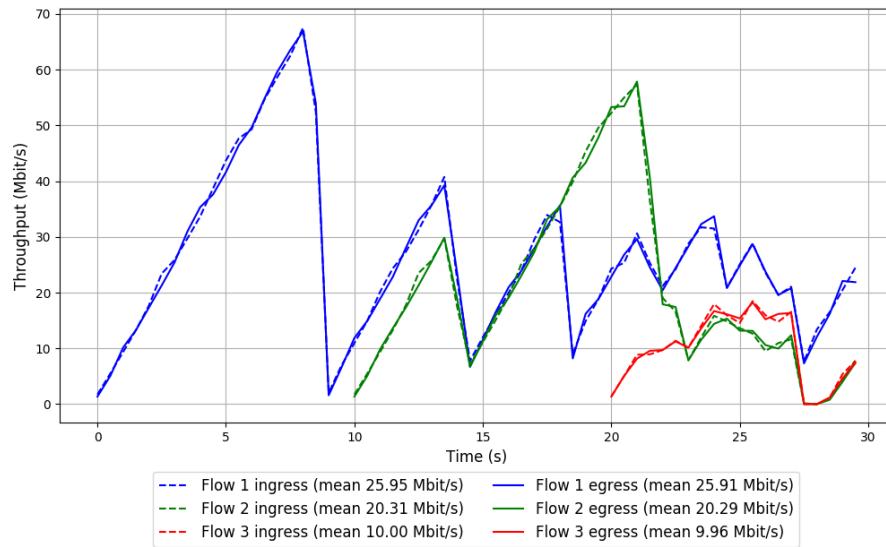


Run 8: Statistics of LEDBAT

```
Start at: 2018-02-13 16:43:44
End at: 2018-02-13 16:44:14
Local clock offset: -0.434 ms
Remote clock offset: 5.796 ms

# Below is generated by plot.py at 2018-02-13 22:02:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.69 Mbit/s
95th percentile per-packet one-way delay: 31.820 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 30.376 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 32.994 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 33.943 ms
Loss rate: 0.90%
```

Run 8: Report of LEDBAT — Data Link

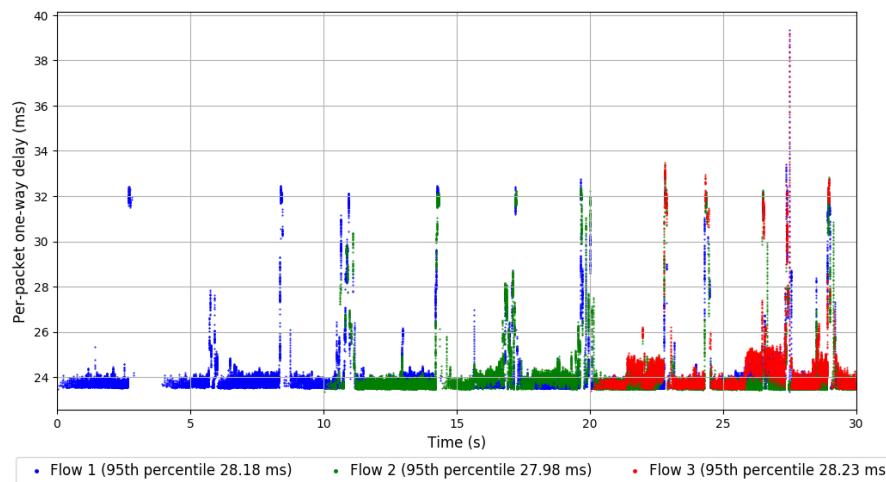
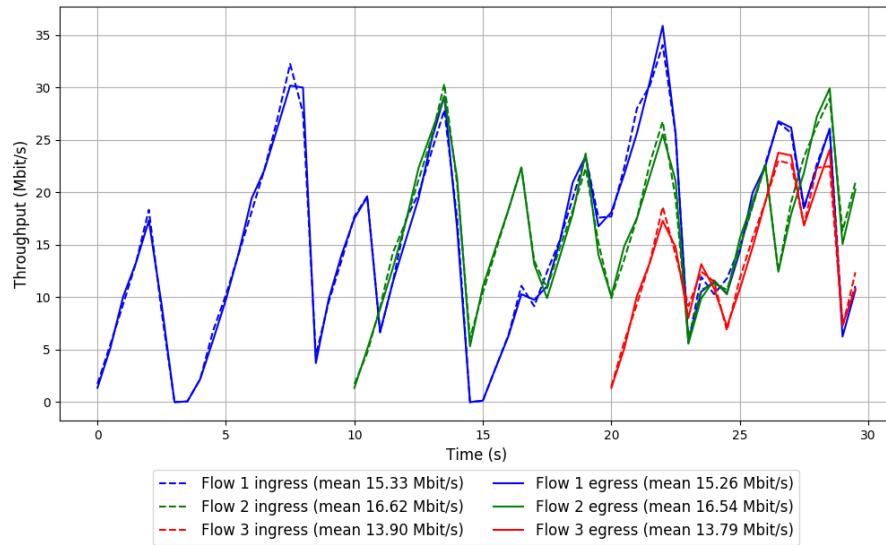


Run 9: Statistics of LEDBAT

```
Start at: 2018-02-13 17:08:30
End at: 2018-02-13 17:09:00
Local clock offset: 2.292 ms
Remote clock offset: 6.843 ms

# Below is generated by plot.py at 2018-02-13 22:02:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 28.088 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 28.180 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 27.981 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 13.79 Mbit/s
95th percentile per-packet one-way delay: 28.229 ms
Loss rate: 1.26%
```

Run 9: Report of LEDBAT — Data Link

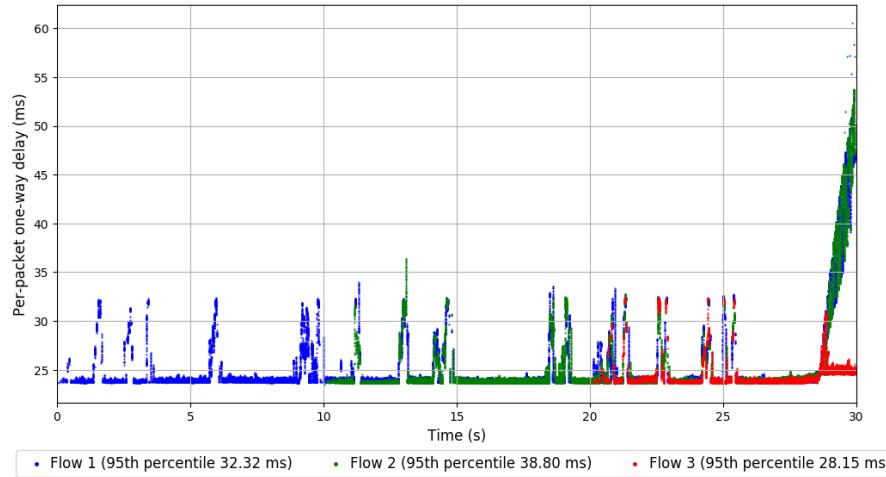
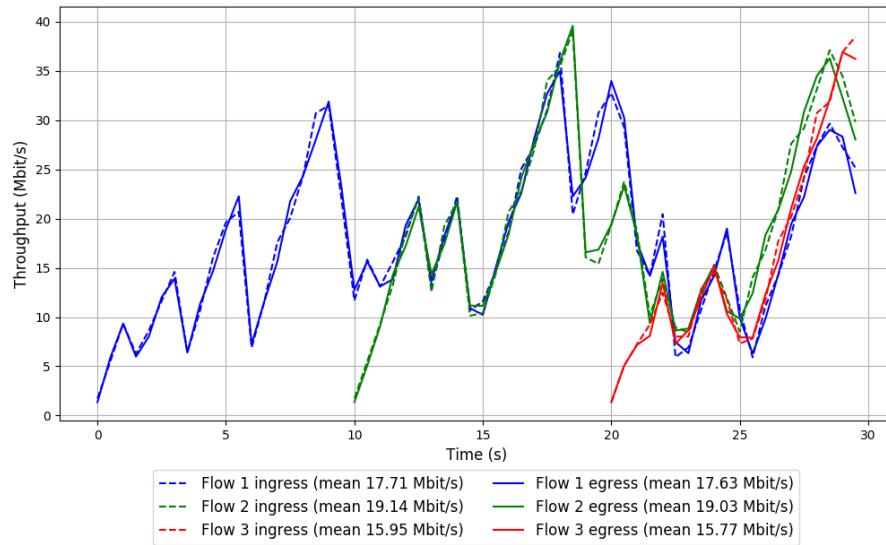


Run 10: Statistics of LEDBAT

```
Start at: 2018-02-13 17:33:14
End at: 2018-02-13 17:33:44
Local clock offset: 1.209 ms
Remote clock offset: 7.791 ms

# Below is generated by plot.py at 2018-02-13 22:02:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 32.708 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 32.322 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 19.03 Mbit/s
95th percentile per-packet one-way delay: 38.800 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 28.148 ms
Loss rate: 1.66%
```

Run 10: Report of LEDBAT — Data Link

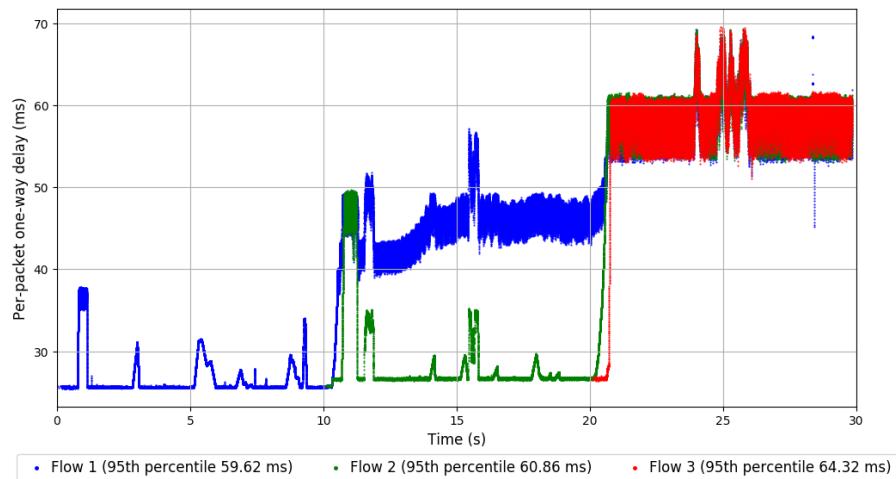
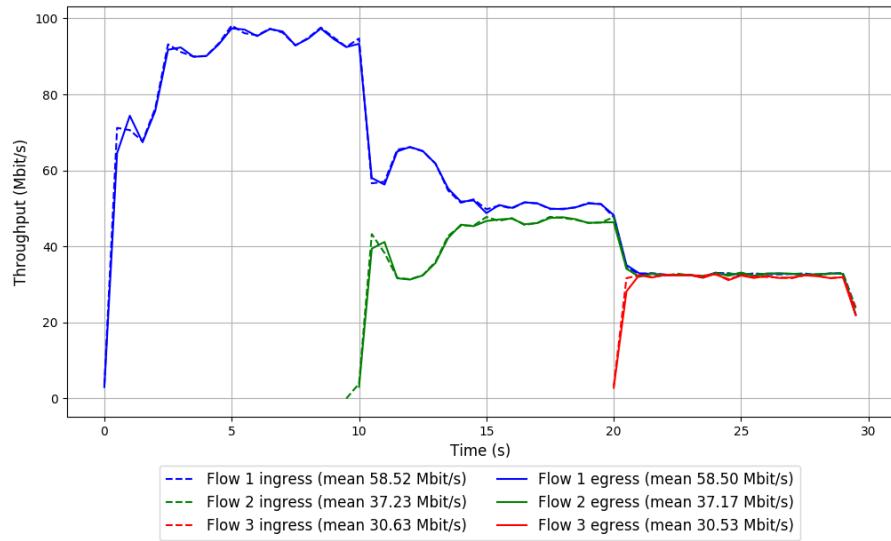


```
Run 1: Statistics of PCC

Start at: 2018-02-13 13:41:22
End at: 2018-02-13 13:41:52
Local clock offset: -0.691 ms
Remote clock offset: 0.274 ms

# Below is generated by plot.py at 2018-02-13 22:03:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 60.592 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 59.618 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 60.857 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 64.316 ms
Loss rate: 1.05%
```

Run 1: Report of PCC — Data Link

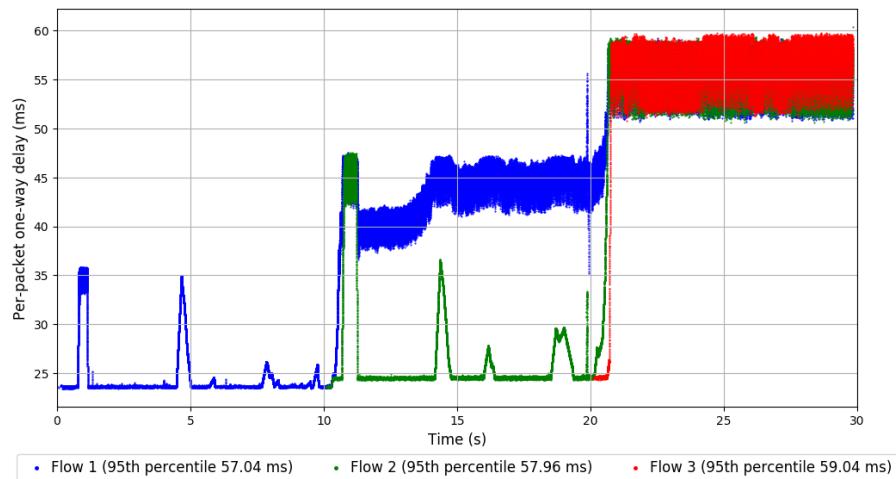
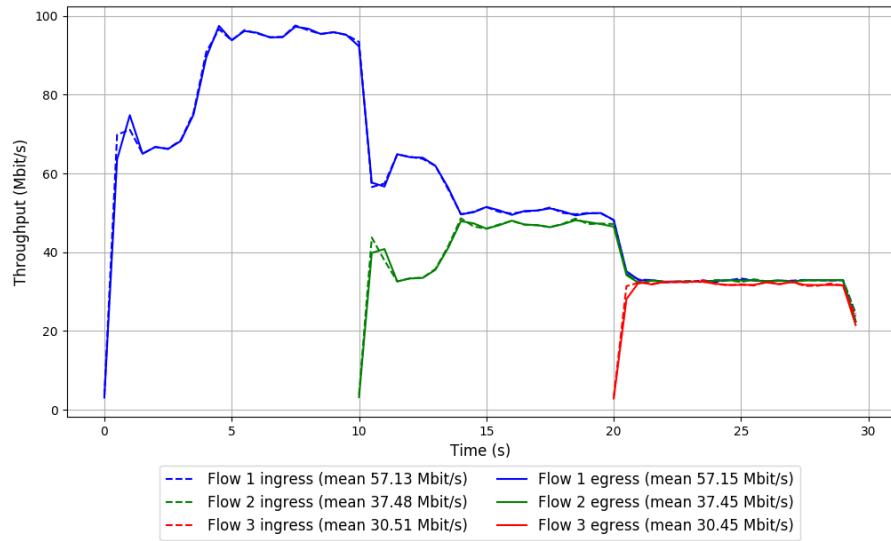


Run 2: Statistics of PCC

```
Start at: 2018-02-13 14:06:01
End at: 2018-02-13 14:06:31
Local clock offset: 1.632 ms
Remote clock offset: 1.716 ms

# Below is generated by plot.py at 2018-02-13 22:03:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 57.987 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 57.036 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 57.960 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 59.042 ms
Loss rate: 0.94%
```

Run 2: Report of PCC — Data Link

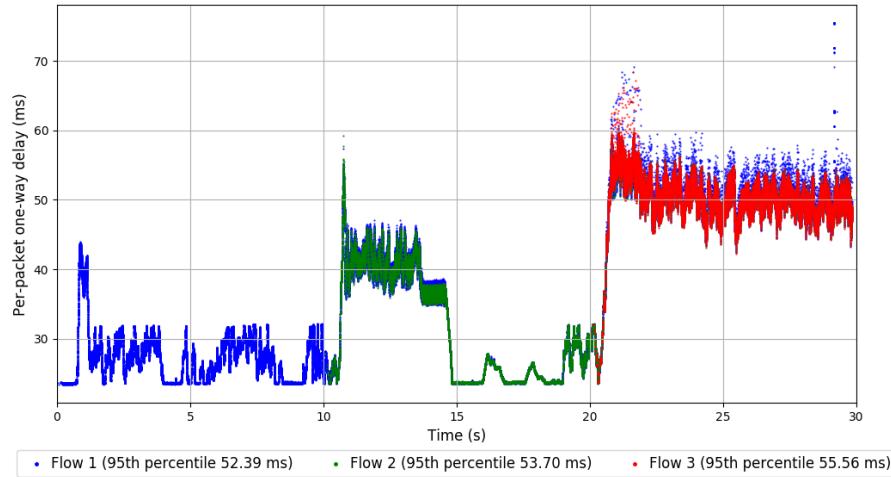
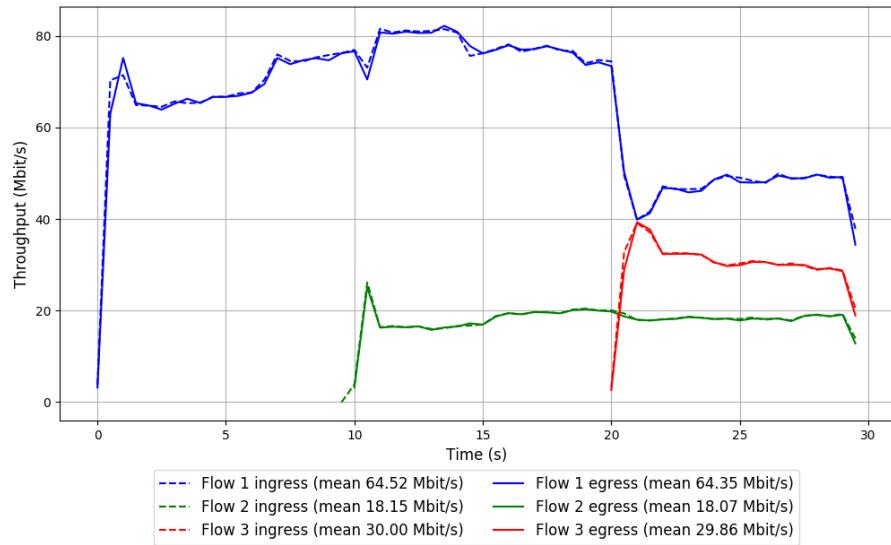


Run 3: Statistics of PCC

```
Start at: 2018-02-13 14:30:35
End at: 2018-02-13 14:31:05
Local clock offset: 1.612 ms
Remote clock offset: 1.713 ms

# Below is generated by plot.py at 2018-02-13 22:03:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 64.35 Mbit/s
95th percentile per-packet one-way delay: 52.394 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 18.07 Mbit/s
95th percentile per-packet one-way delay: 53.695 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 55.563 ms
Loss rate: 1.08%
```

Run 3: Report of PCC — Data Link

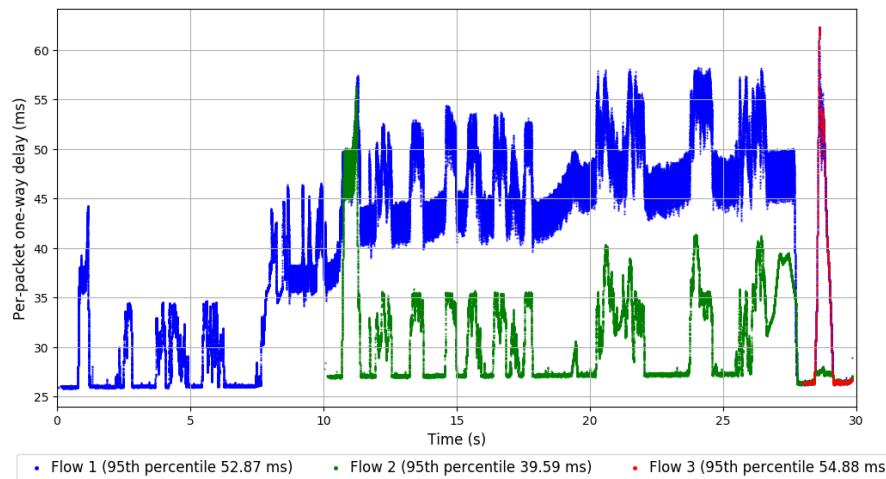
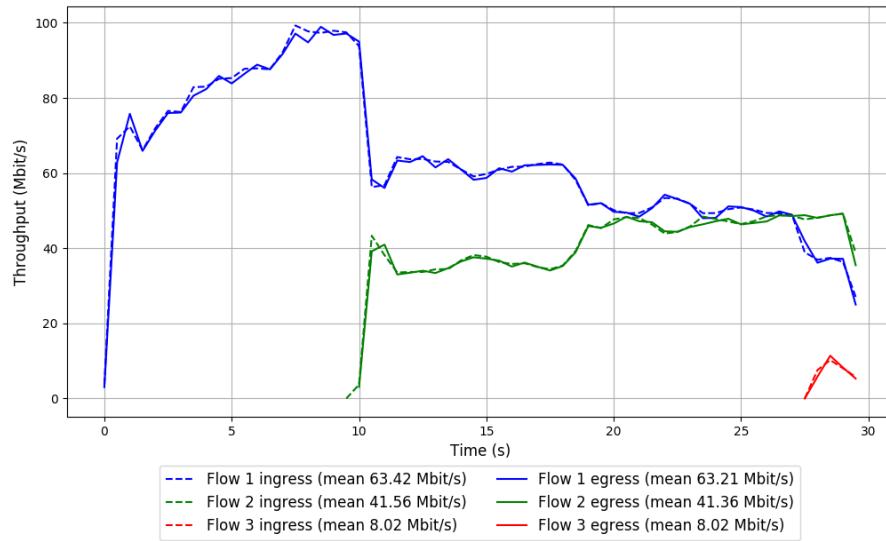


Run 4: Statistics of PCC

```
Start at: 2018-02-13 14:55:37
End at: 2018-02-13 14:56:07
Local clock offset: 0.675 ms
Remote clock offset: 1.735 ms

# Below is generated by plot.py at 2018-02-13 22:03:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 51.941 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 52.873 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 41.36 Mbit/s
95th percentile per-packet one-way delay: 39.585 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 54.879 ms
Loss rate: 2.75%
```

Run 4: Report of PCC — Data Link

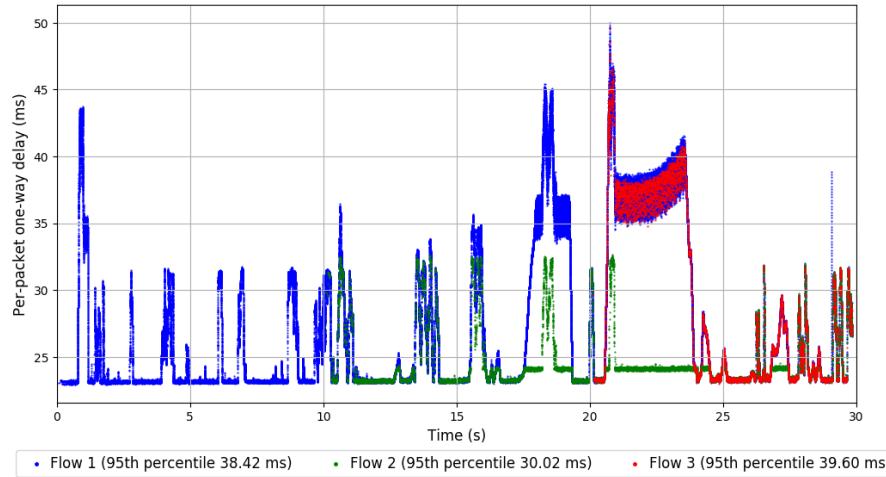
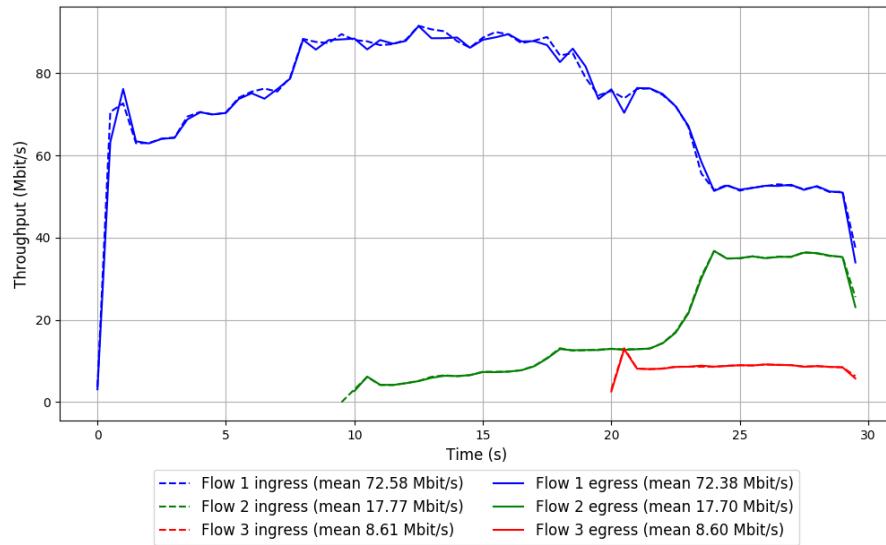


Run 5: Statistics of PCC

```
Start at: 2018-02-13 15:20:39
End at: 2018-02-13 15:21:09
Local clock offset: 0.953 ms
Remote clock offset: 12.603 ms

# Below is generated by plot.py at 2018-02-13 22:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 38.183 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 72.38 Mbit/s
95th percentile per-packet one-way delay: 38.419 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 17.70 Mbit/s
95th percentile per-packet one-way delay: 30.018 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 39.603 ms
Loss rate: 0.64%
```

Run 5: Report of PCC — Data Link

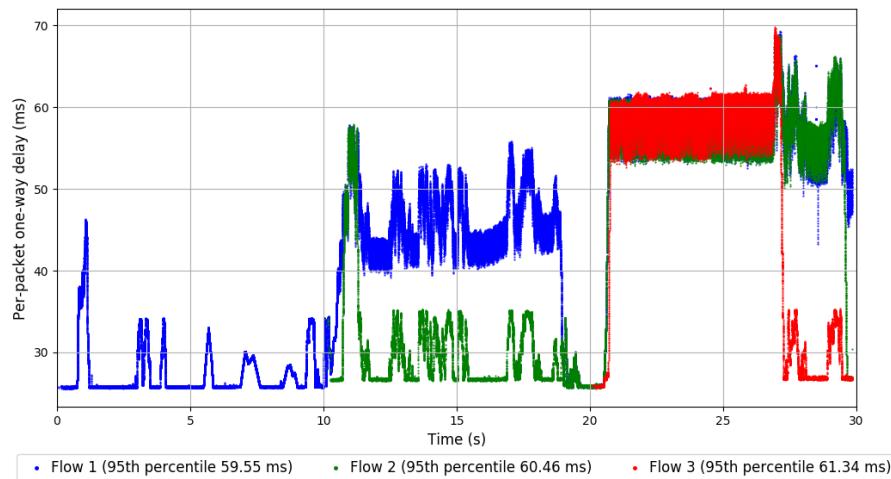
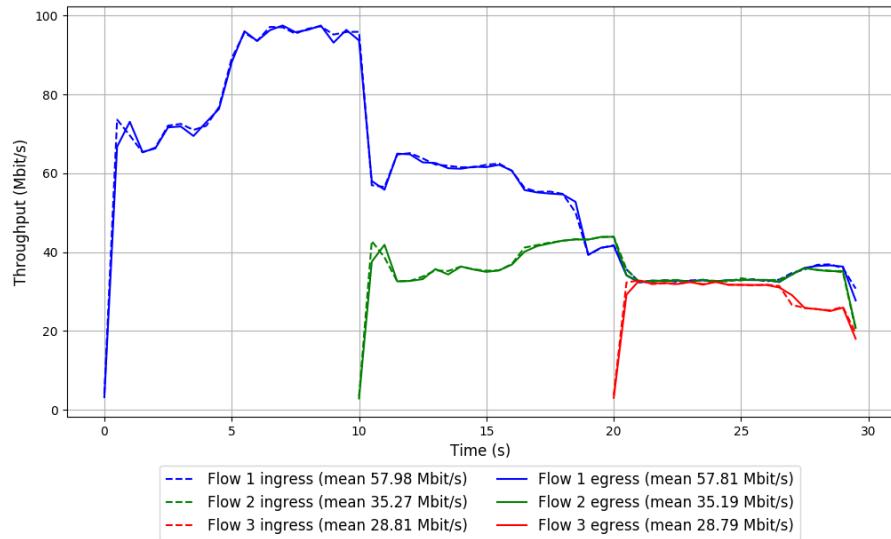


Run 6: Statistics of PCC

```
Start at: 2018-02-13 15:45:32
End at: 2018-02-13 15:46:02
Local clock offset: -0.144 ms
Remote clock offset: 13.223 ms

# Below is generated by plot.py at 2018-02-13 22:03:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 60.360 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 59.552 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 60.464 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 61.344 ms
Loss rate: 0.61%
```

Run 6: Report of PCC — Data Link

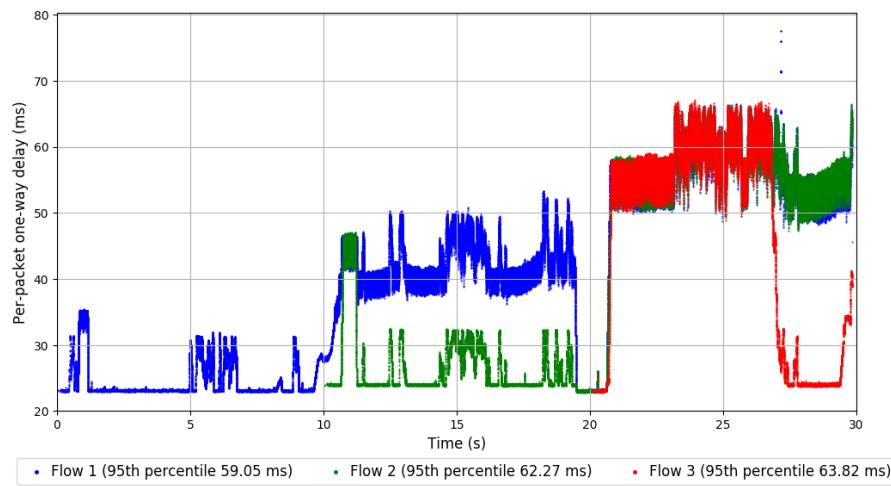
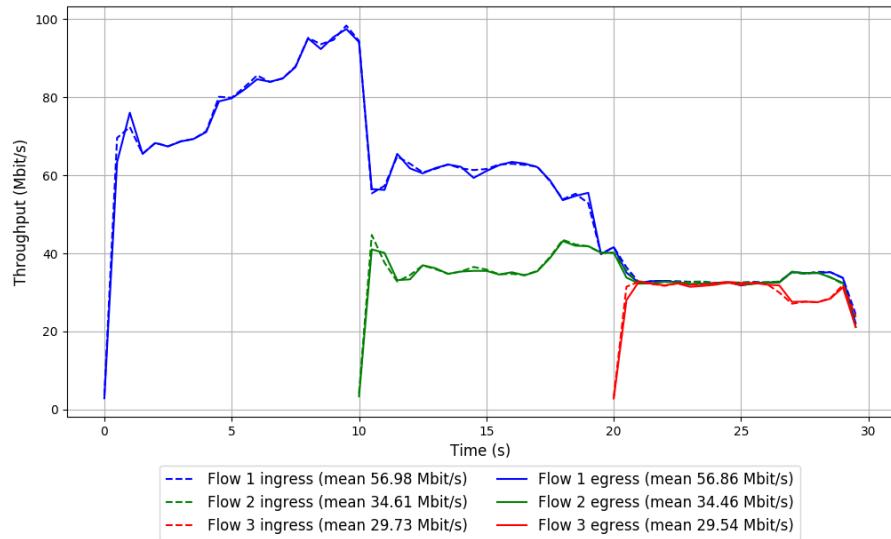


Run 7: Statistics of PCC

```
Start at: 2018-02-13 16:12:21
End at: 2018-02-13 16:12:51
Local clock offset: -0.704 ms
Remote clock offset: 10.682 ms

# Below is generated by plot.py at 2018-02-13 22:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 61.549 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 59.051 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 62.274 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 63.818 ms
Loss rate: 1.12%
```

Run 7: Report of PCC — Data Link

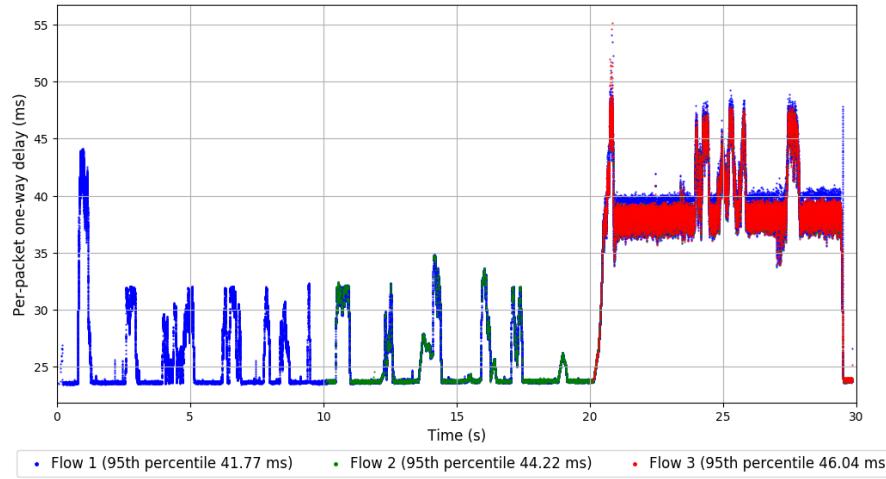
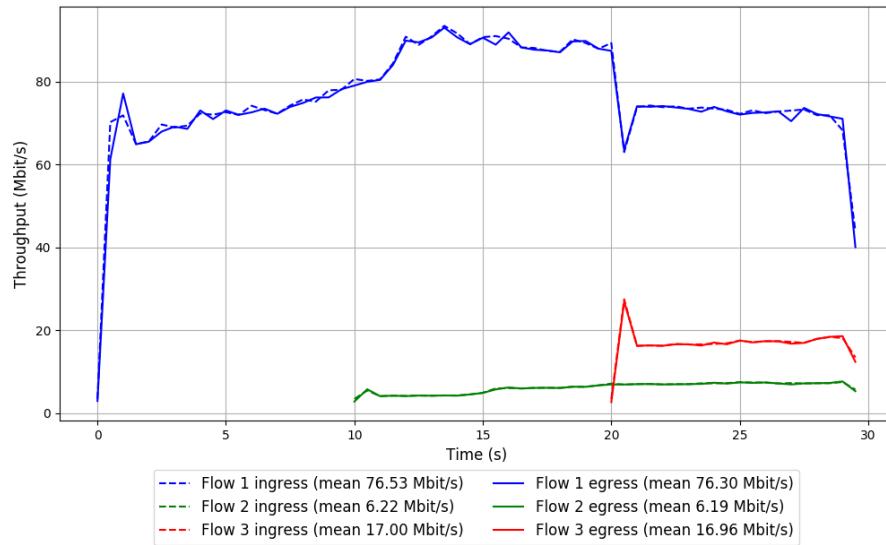


Run 8: Statistics of PCC

```
Start at: 2018-02-13 16:37:02
End at: 2018-02-13 16:37:32
Local clock offset: -0.877 ms
Remote clock offset: 6.845 ms

# Below is generated by plot.py at 2018-02-13 22:03:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 42.600 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 41.768 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 44.218 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 16.96 Mbit/s
95th percentile per-packet one-way delay: 46.043 ms
Loss rate: 0.77%
```

Run 8: Report of PCC — Data Link

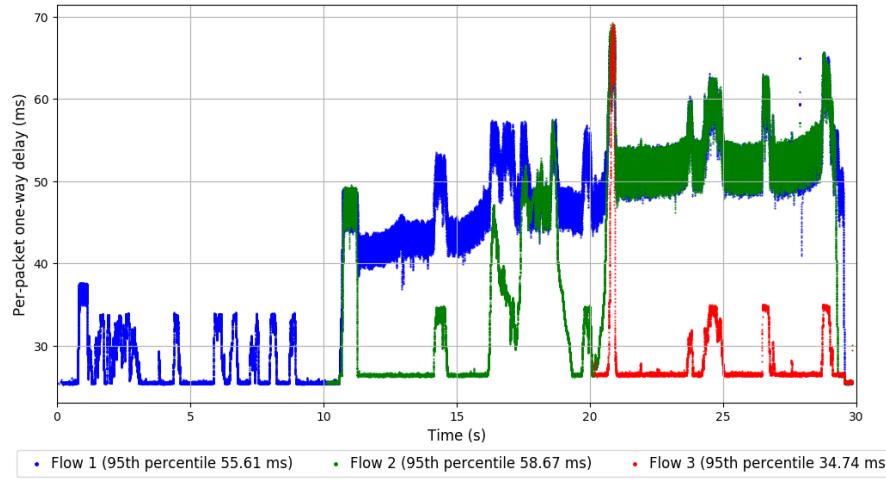
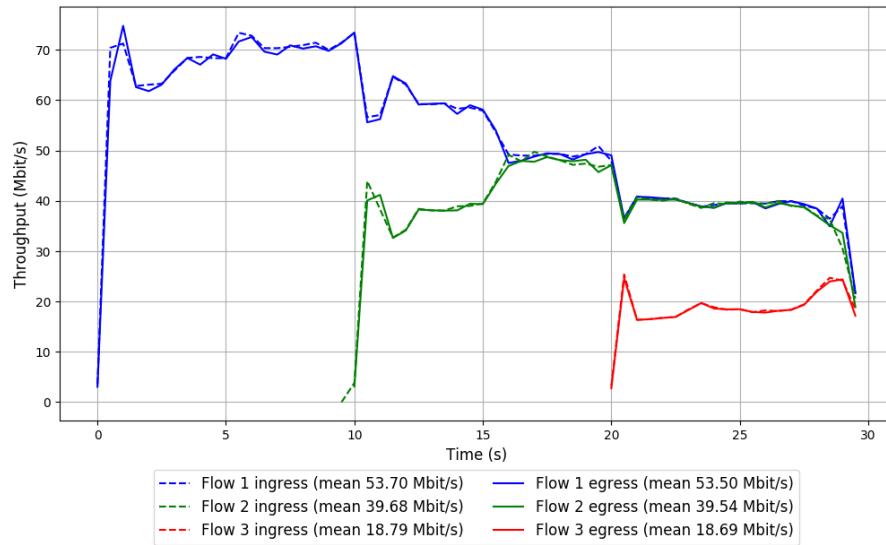


Run 9: Statistics of PCC

```
Start at: 2018-02-13 17:01:50
End at: 2018-02-13 17:02:20
Local clock offset: 1.956 ms
Remote clock offset: 5.333 ms

# Below is generated by plot.py at 2018-02-13 22:04:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 56.333 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 53.50 Mbit/s
95th percentile per-packet one-way delay: 55.608 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 58.667 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 18.69 Mbit/s
95th percentile per-packet one-way delay: 34.745 ms
Loss rate: 1.08%
```

Run 9: Report of PCC — Data Link

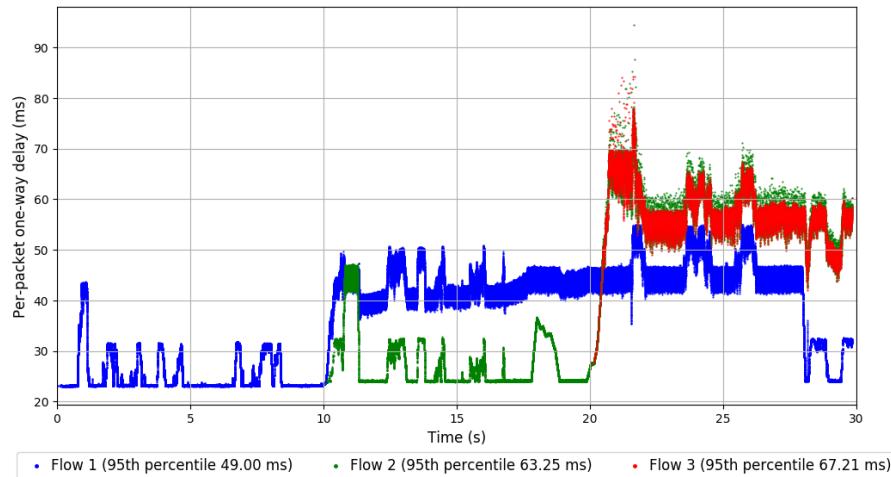
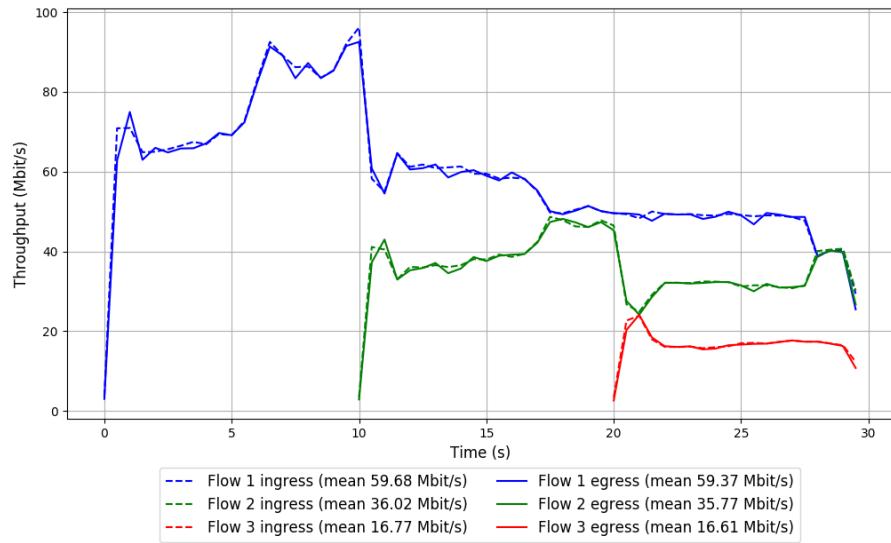


Run 10: Statistics of PCC

```
Start at: 2018-02-13 17:26:21
End at: 2018-02-13 17:26:51
Local clock offset: 1.526 ms
Remote clock offset: 8.126 ms

# Below is generated by plot.py at 2018-02-13 22:04:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 58.915 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 49.000 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 63.247 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 67.210 ms
Loss rate: 1.53%
```

Run 10: Report of PCC — Data Link

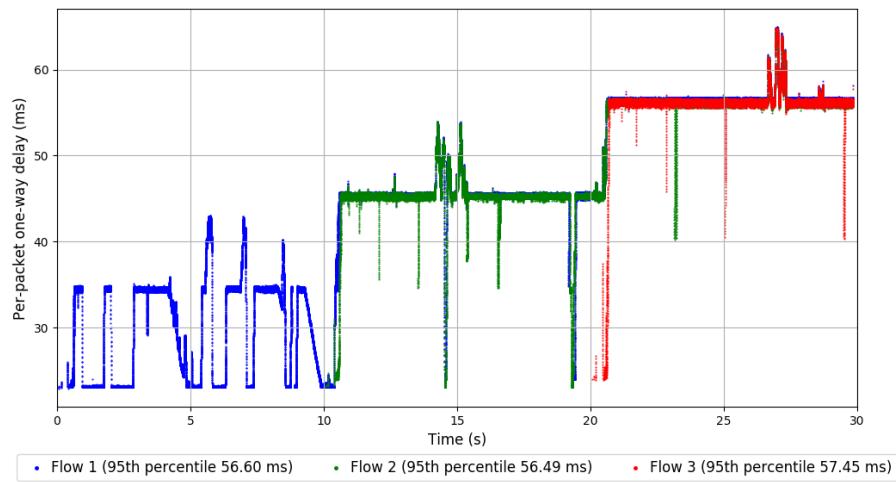
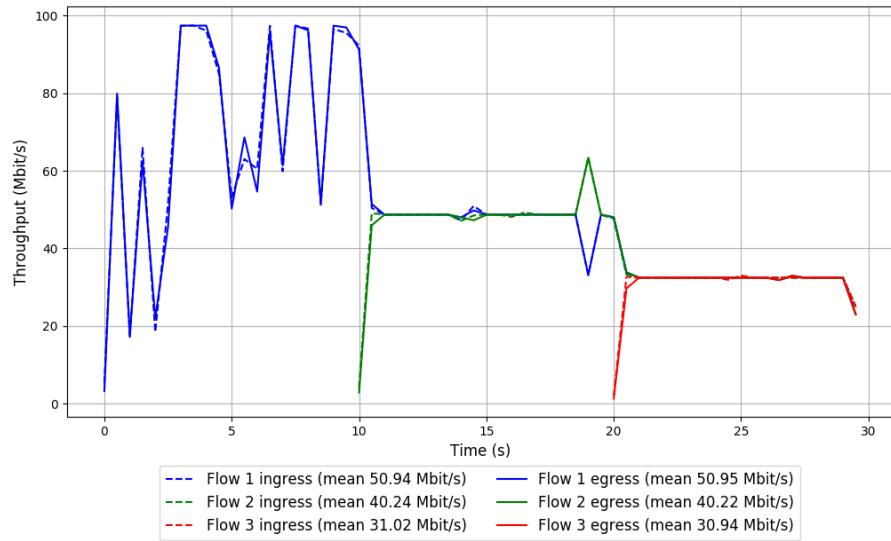


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-02-13 13:35:51
End at: 2018-02-13 13:36:21
Local clock offset: -0.54 ms
Remote clock offset: 2.573 ms

# Below is generated by plot.py at 2018-02-13 22:04:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 56.569 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 56.597 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 56.491 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 57.454 ms
Loss rate: 0.94%
```

Run 1: Report of QUIC Cubic — Data Link

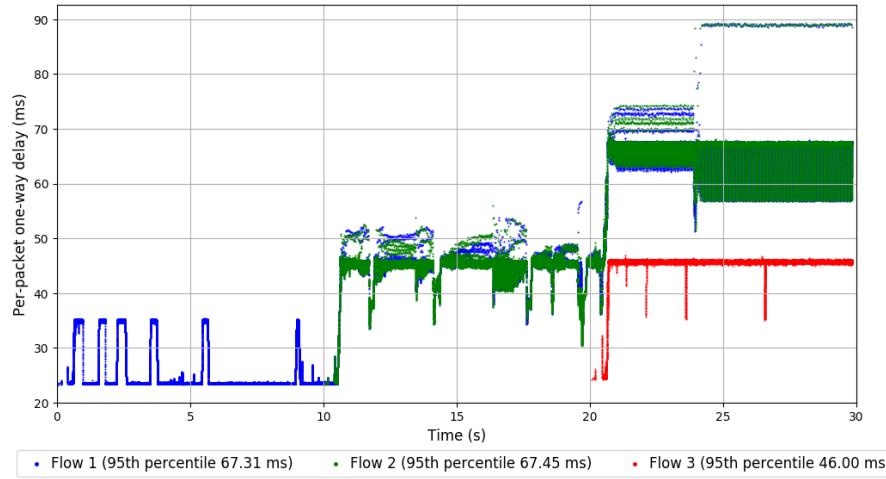
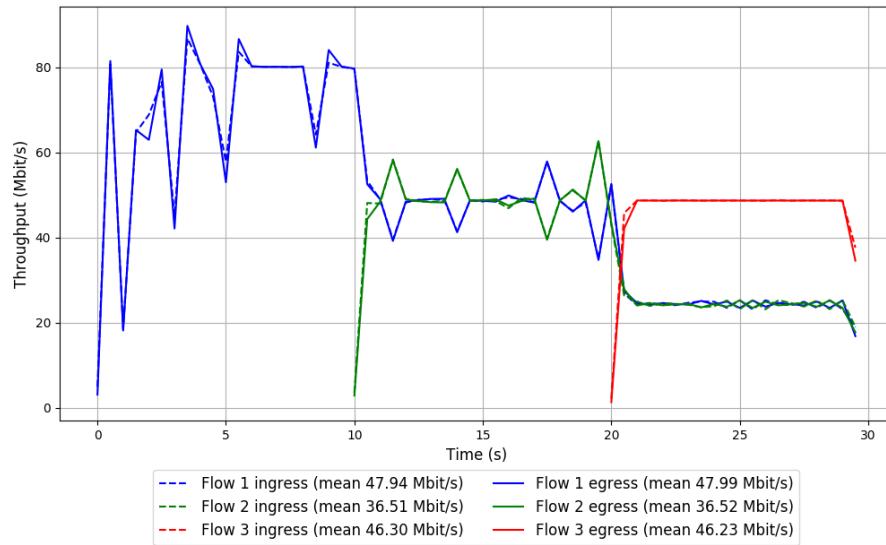


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-13 14:00:28
End at: 2018-02-13 14:00:58
Local clock offset: 1.12 ms
Remote clock offset: 1.736 ms

# Below is generated by plot.py at 2018-02-13 22:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 67.317 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 47.99 Mbit/s
95th percentile per-packet one-way delay: 67.305 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 67.448 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 45.998 ms
Loss rate: 0.82%
```

Run 2: Report of QUIC Cubic — Data Link

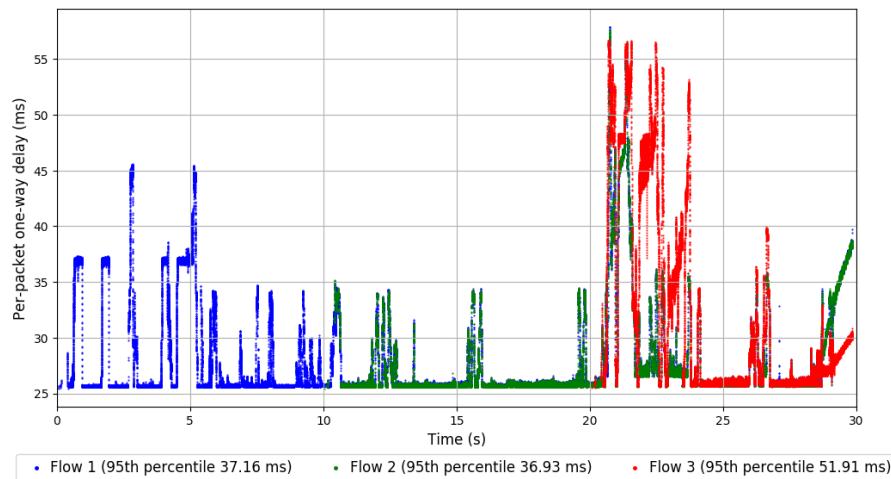
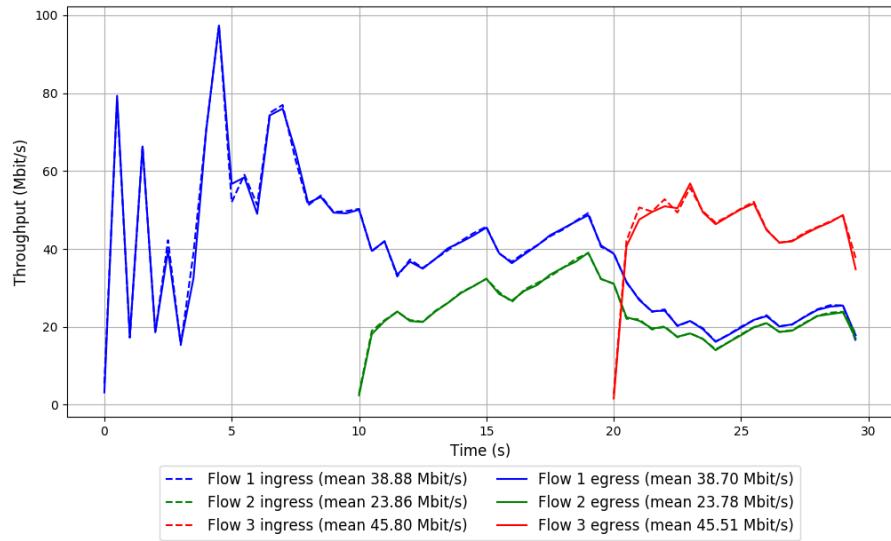


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-02-13 14:24:59
End at: 2018-02-13 14:25:29
Local clock offset: 2.215 ms
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2018-02-13 22:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.44 Mbit/s
95th percentile per-packet one-way delay: 44.568 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 37.159 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 36.926 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 51.914 ms
Loss rate: 1.16%
```

Run 3: Report of QUIC Cubic — Data Link

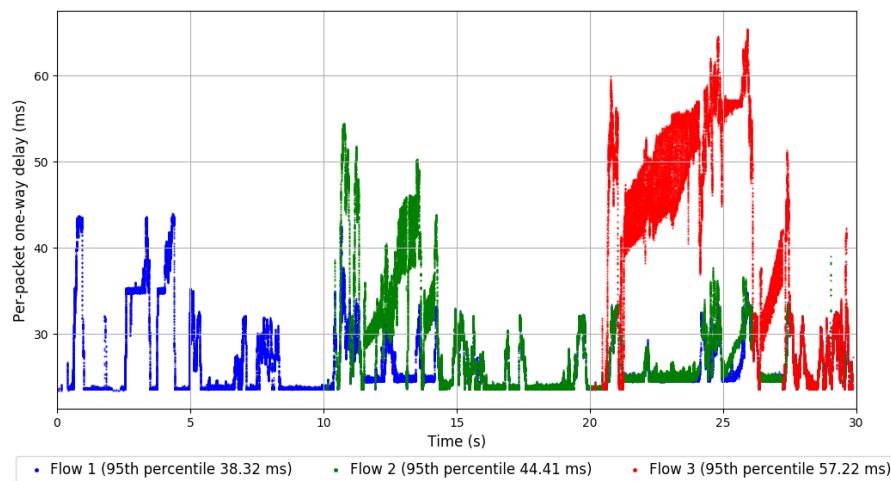
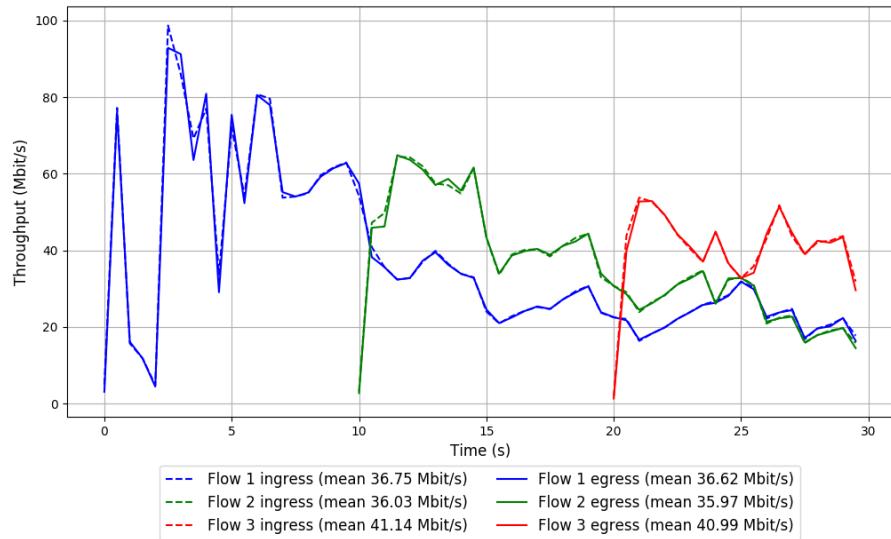


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-13 14:50:04
End at: 2018-02-13 14:50:34
Local clock offset: 0.805 ms
Remote clock offset: 1.827 ms

# Below is generated by plot.py at 2018-02-13 22:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 50.743 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 38.320 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 44.405 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 57.219 ms
Loss rate: 0.87%
```

Run 4: Report of QUIC Cubic — Data Link

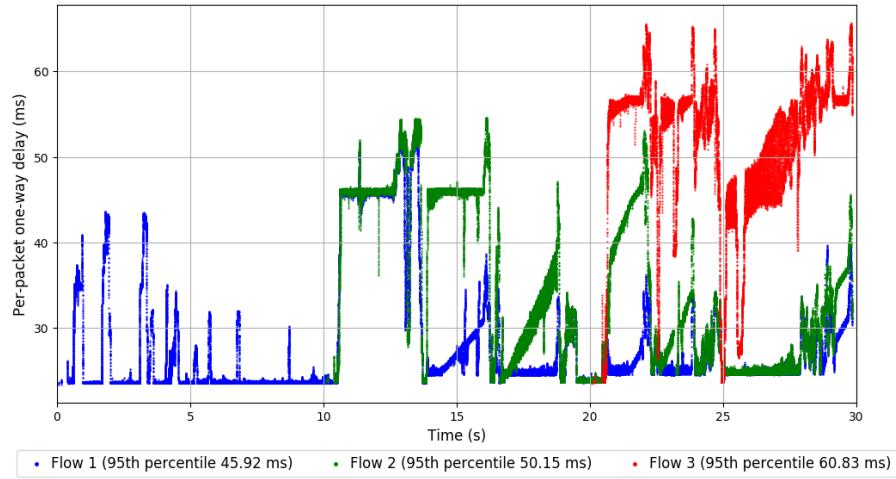
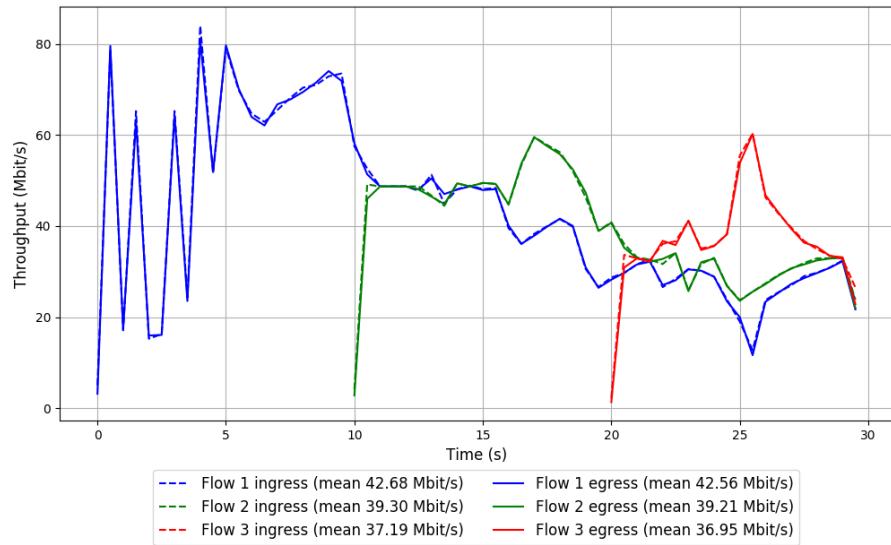


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-13 15:15:01
End at: 2018-02-13 15:15:31
Local clock offset: 0.894 ms
Remote clock offset: 11.186 ms

# Below is generated by plot.py at 2018-02-13 22:05:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.75 Mbit/s
95th percentile per-packet one-way delay: 56.090 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 42.56 Mbit/s
95th percentile per-packet one-way delay: 45.921 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 50.150 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 36.95 Mbit/s
95th percentile per-packet one-way delay: 60.834 ms
Loss rate: 1.24%
```

Run 5: Report of QUIC Cubic — Data Link

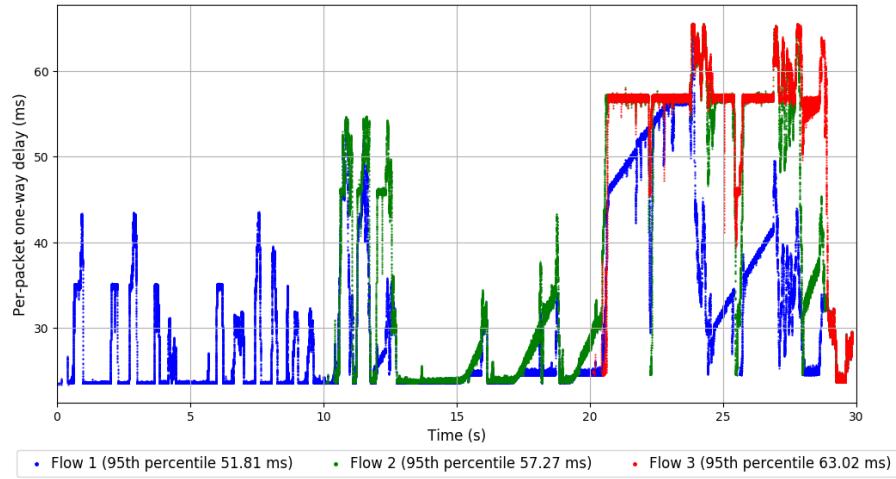
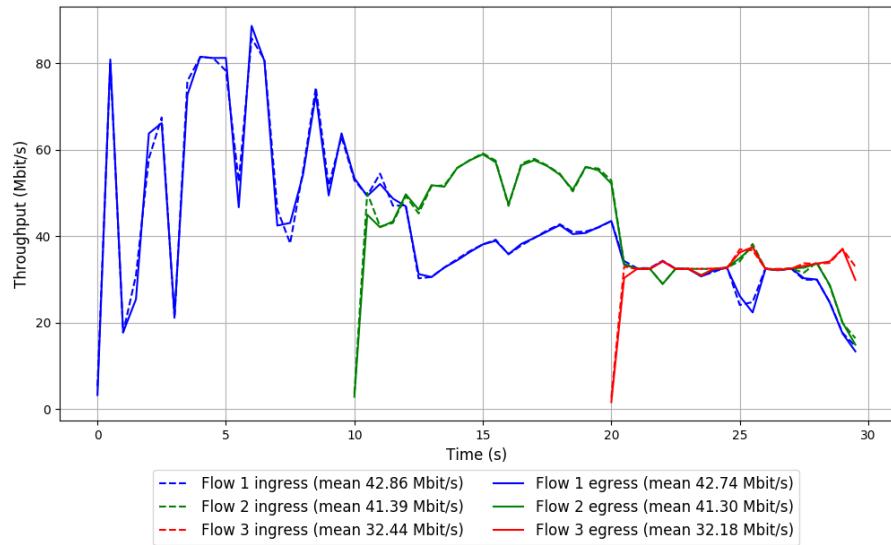


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-13 15:39:51
End at: 2018-02-13 15:40:21
Local clock offset: 0.155 ms
Remote clock offset: 14.561 ms

# Below is generated by plot.py at 2018-02-13 22:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 57.234 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 51.806 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 57.271 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 63.025 ms
Loss rate: 1.33%
```

Run 6: Report of QUIC Cubic — Data Link

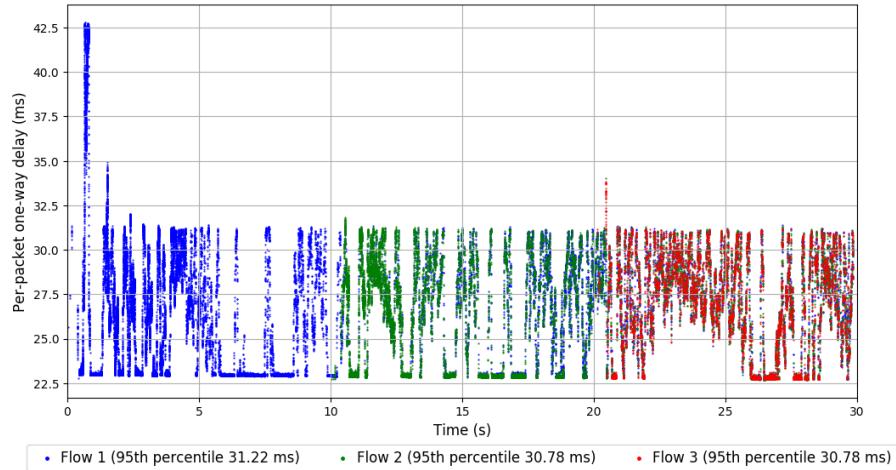
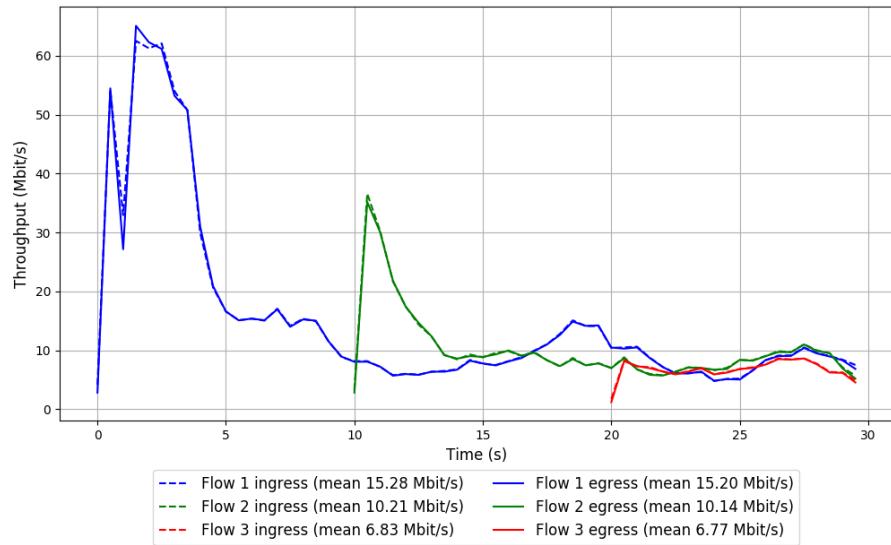


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-13 16:06:24
End at: 2018-02-13 16:06:54
Local clock offset: -0.693 ms
Remote clock offset: 13.547 ms

# Below is generated by plot.py at 2018-02-13 22:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 31.015 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 15.20 Mbit/s
95th percentile per-packet one-way delay: 31.223 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 30.784 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 30.781 ms
Loss rate: 1.50%
```

Run 7: Report of QUIC Cubic — Data Link

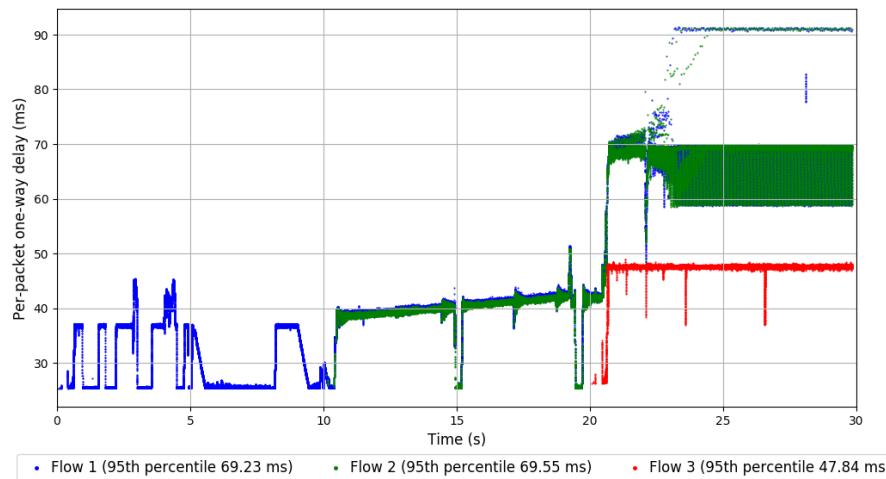
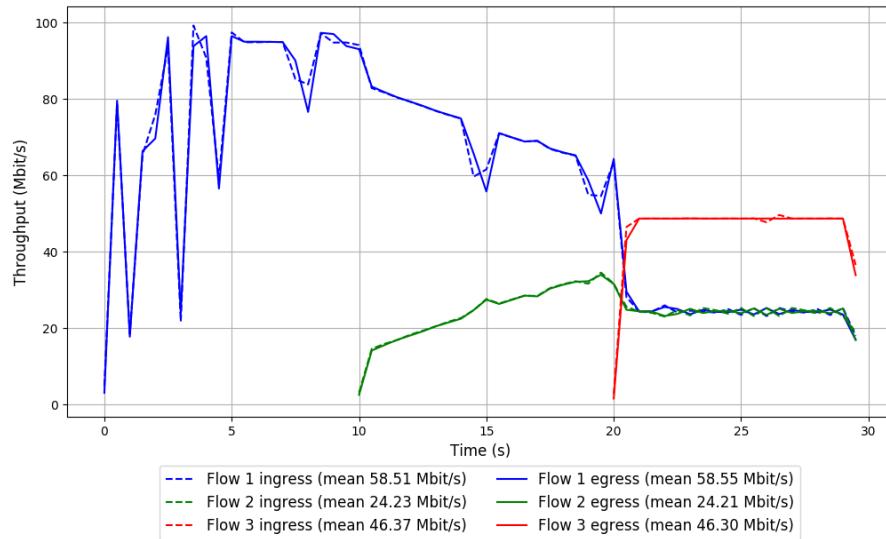


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-13 16:31:30
End at: 2018-02-13 16:32:00
Local clock offset: -0.932 ms
Remote clock offset: 4.824 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 69.318 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 69.226 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 69.545 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 47.841 ms
Loss rate: 0.80%
```

Run 8: Report of QUIC Cubic — Data Link

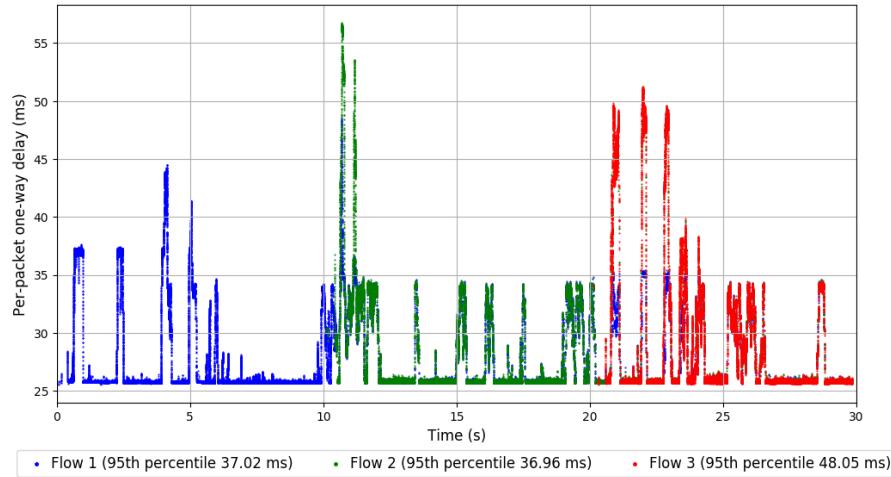
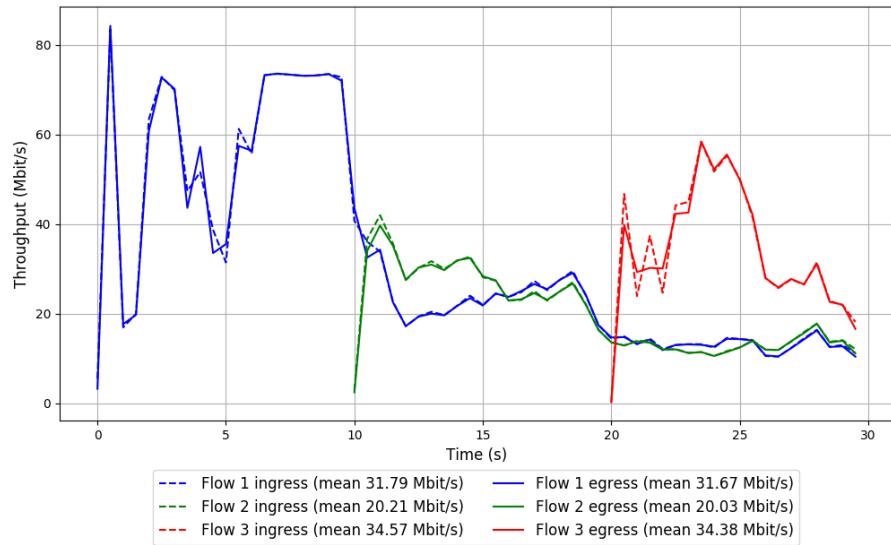


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-13 16:56:10
End at: 2018-02-13 16:56:40
Local clock offset: 1.509 ms
Remote clock offset: 5.574 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.26 Mbit/s
95th percentile per-packet one-way delay: 37.298 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 37.020 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 36.961 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 48.047 ms
Loss rate: 1.19%
```

Run 9: Report of QUIC Cubic — Data Link

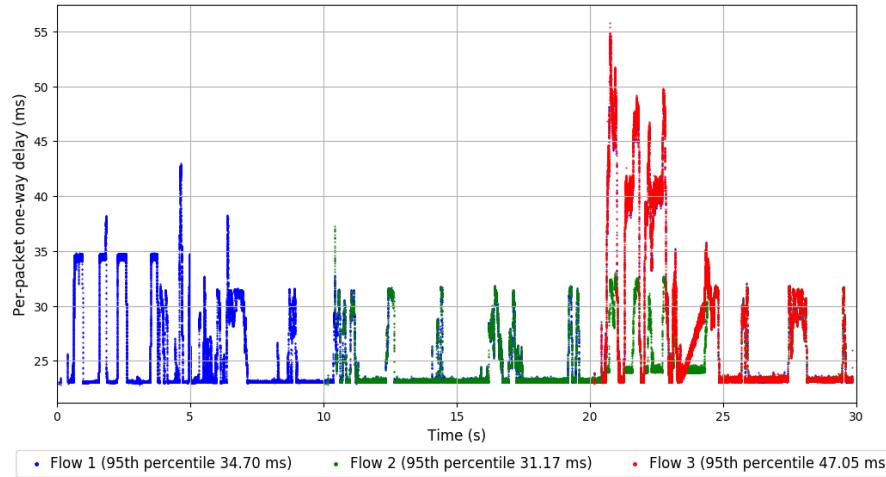
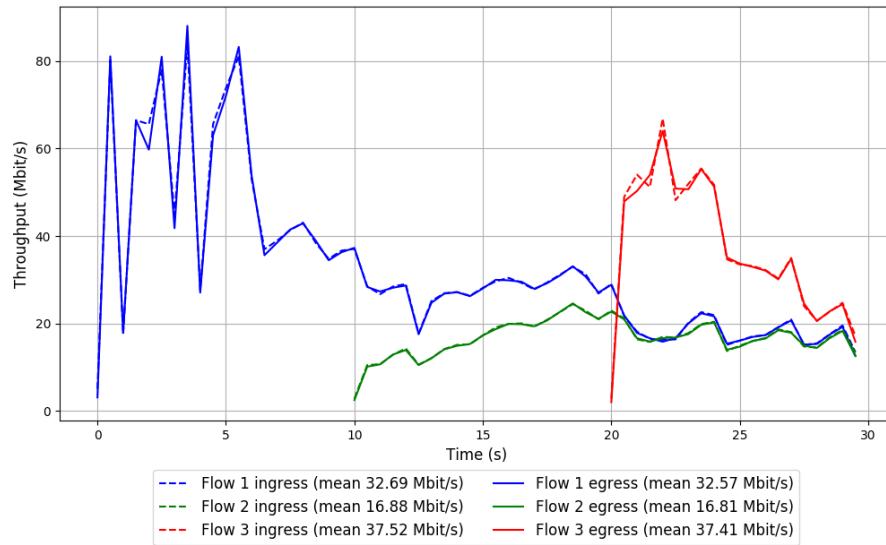


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-13 17:20:47
End at: 2018-02-13 17:21:17
Local clock offset: 1.863 ms
Remote clock offset: 8.042 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.03 Mbit/s
95th percentile per-packet one-way delay: 40.482 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 34.696 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 31.173 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 47.052 ms
Loss rate: 0.80%
```

Run 10: Report of QUIC Cubic — Data Link

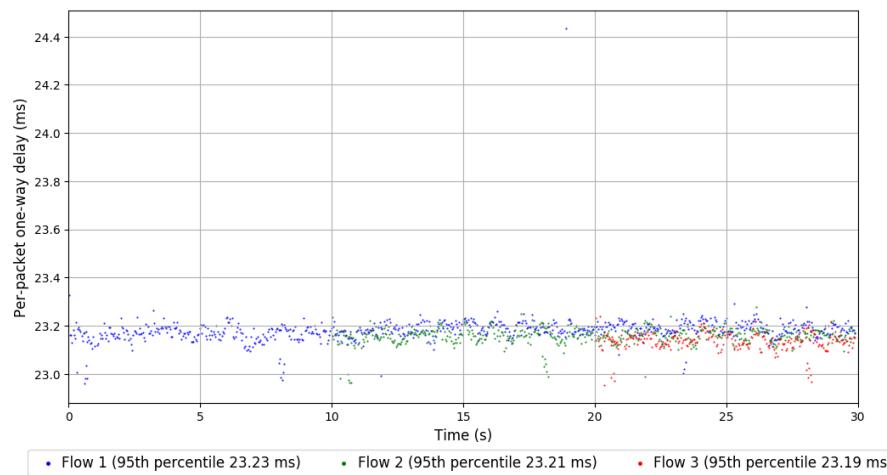
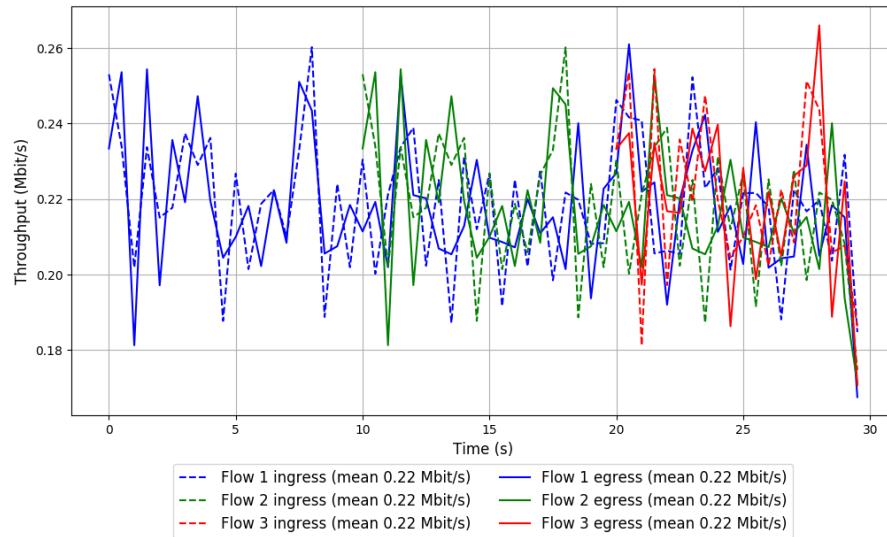


Run 1: Statistics of SCReAM

```
Start at: 2018-02-13 13:29:05
End at: 2018-02-13 13:29:35
Local clock offset: -0.575 ms
Remote clock offset: 2.351 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.221 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.227 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.209 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.188 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

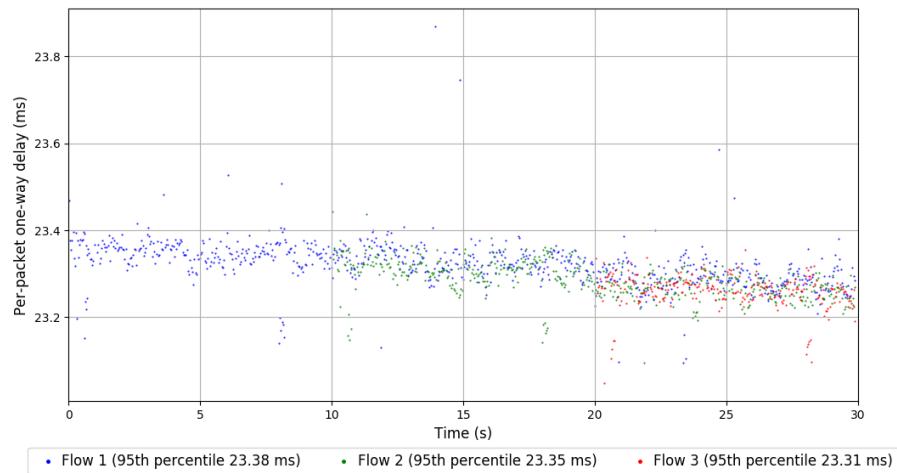
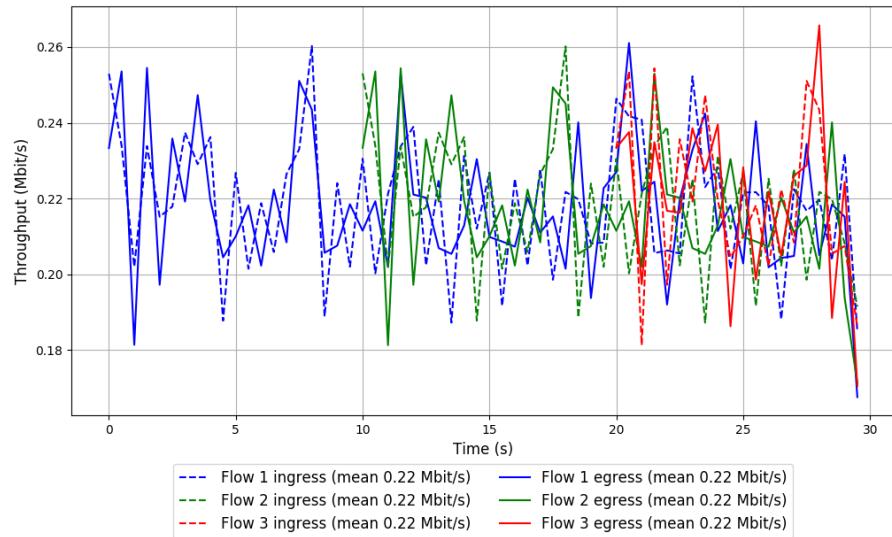


Run 2: Statistics of SCReAM

```
Start at: 2018-02-13 13:53:40
End at: 2018-02-13 13:54:10
Local clock offset: -0.148 ms
Remote clock offset: 1.993 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.372 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.381 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.352 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.308 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

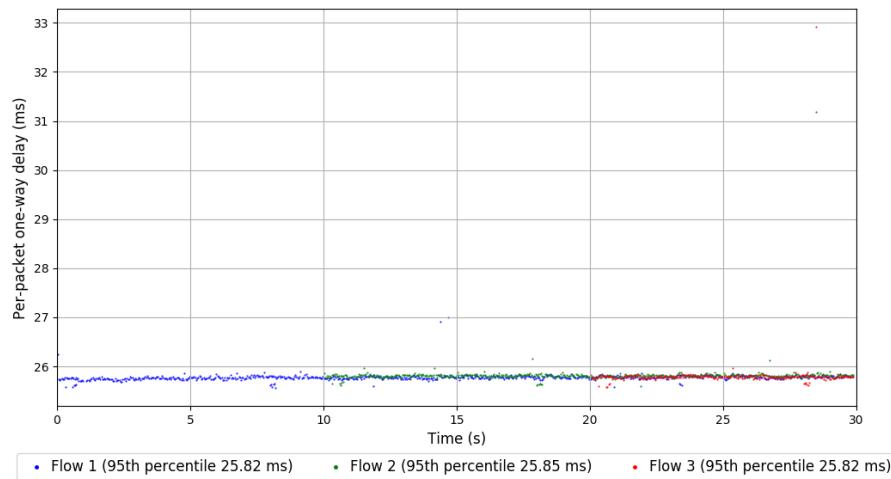
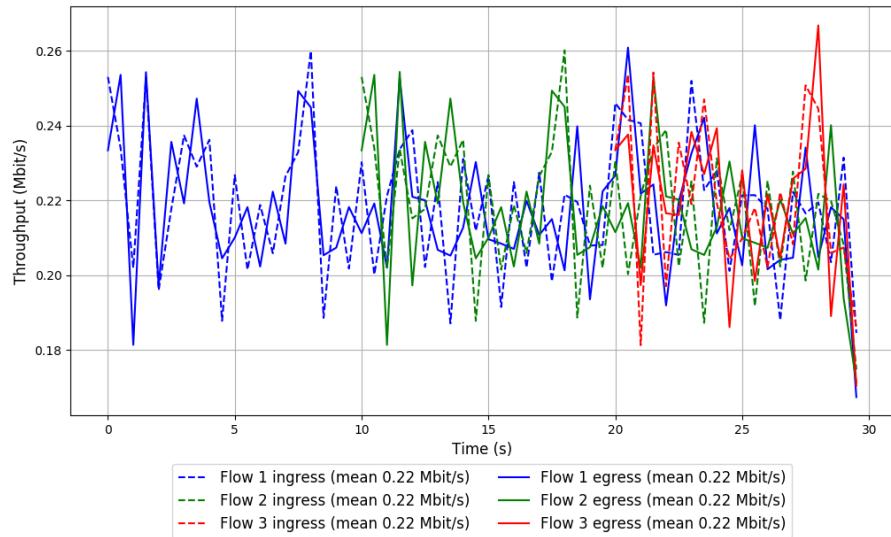


Run 3: Statistics of SCReAM

```
Start at: 2018-02-13 14:18:12
End at: 2018-02-13 14:18:42
Local clock offset: 2.149 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 25.833 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.816 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.851 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.824 ms
Loss rate: 0.35%
```

Run 3: Report of SCReAM — Data Link

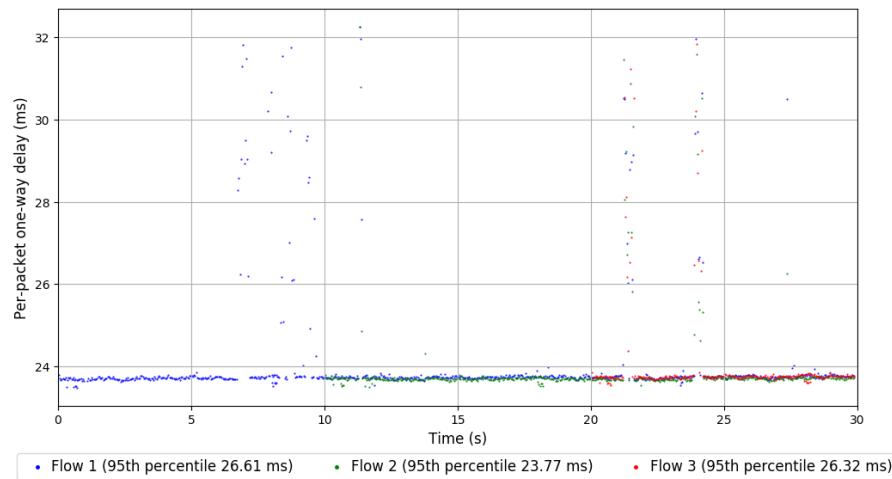
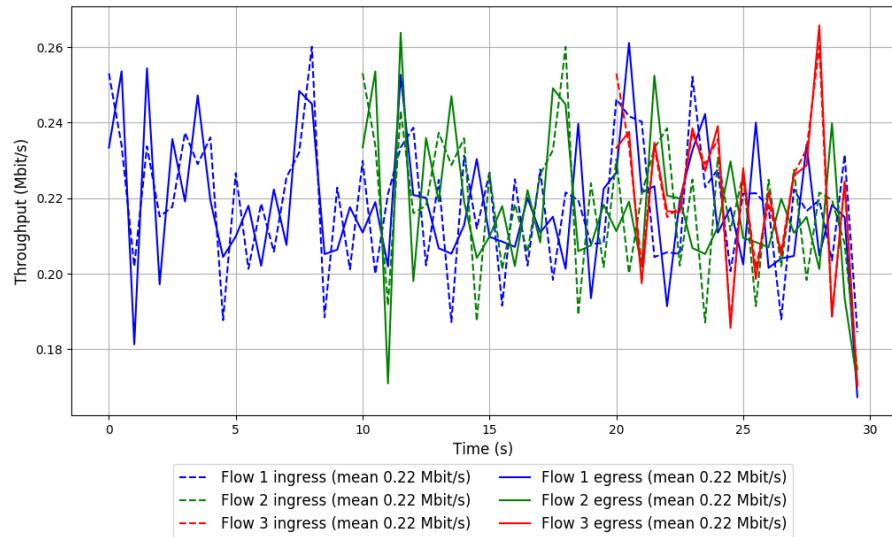


Run 4: Statistics of SCReAM

```
Start at: 2018-02-13 14:43:06
End at: 2018-02-13 14:43:36
Local clock offset: 1.071 ms
Remote clock offset: 1.754 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 26.027 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.615 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.774 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.323 ms
Loss rate: 0.35%
```

Run 4: Report of SCReAM — Data Link

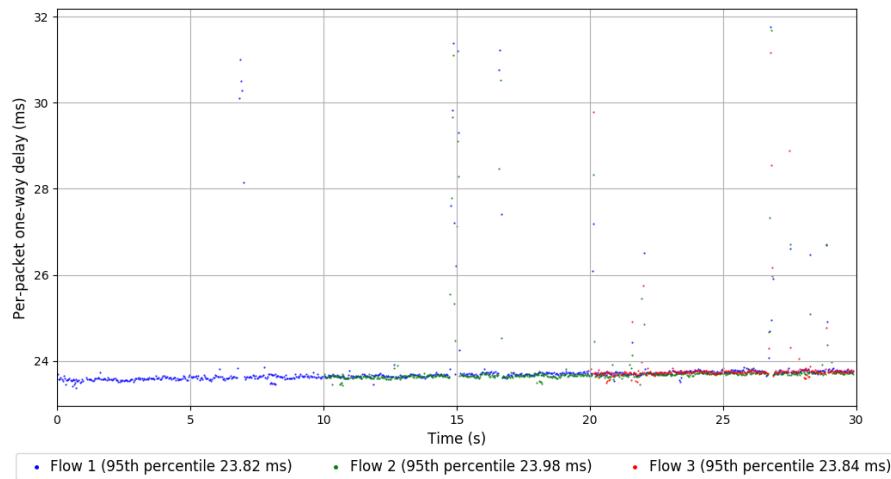
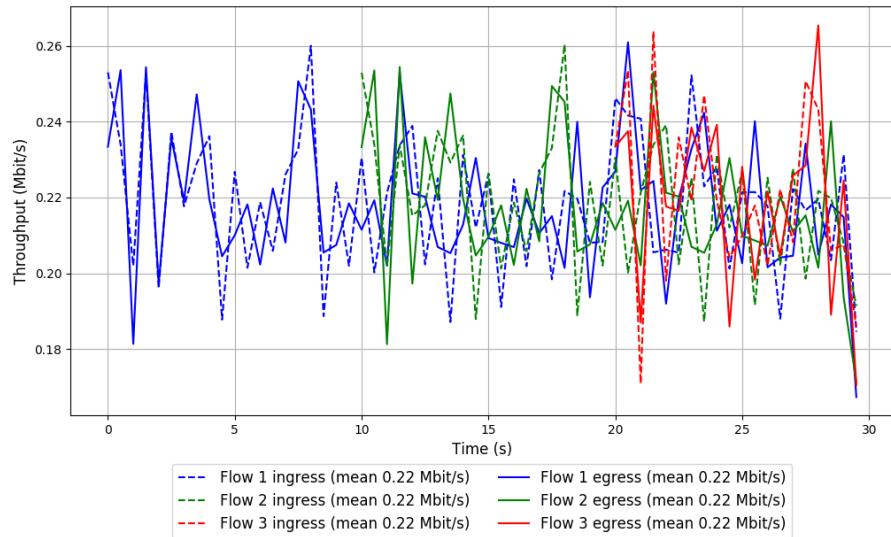


Run 5: Statistics of SCReAM

```
Start at: 2018-02-13 15:08:08
End at: 2018-02-13 15:08:38
Local clock offset: 0.896 ms
Remote clock offset: 9.796 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.841 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.820 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.979 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.842 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

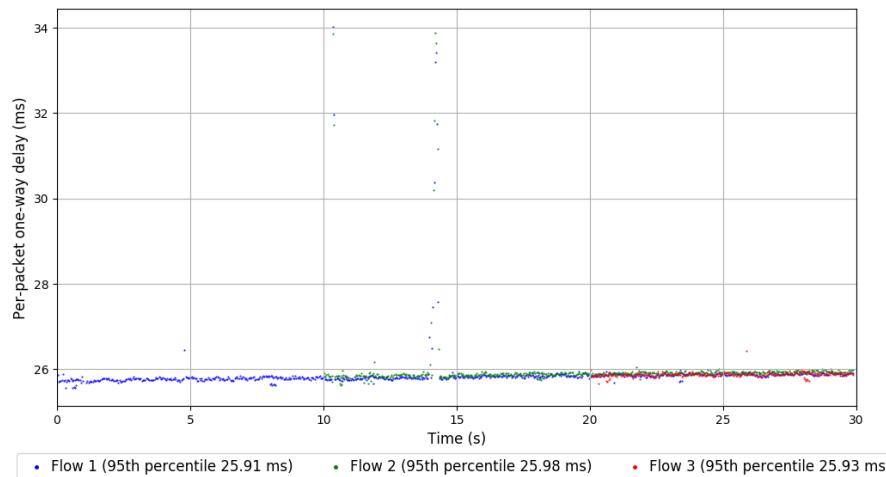
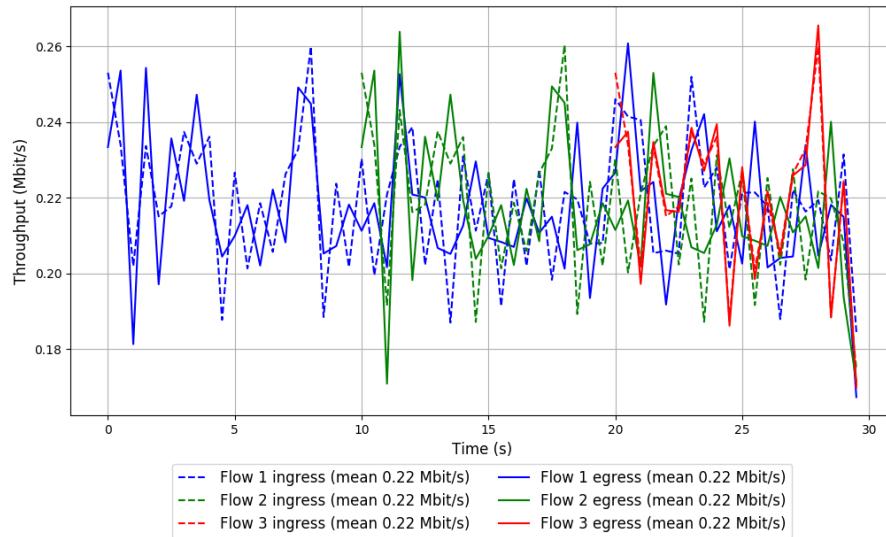


Run 6: Statistics of SCReAM

```
Start at: 2018-02-13 15:32:58
End at: 2018-02-13 15:33:28
Local clock offset: 0.935 ms
Remote clock offset: 11.64 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 25.950 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.915 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.976 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.933 ms
Loss rate: 0.35%
```

Run 6: Report of SCReAM — Data Link

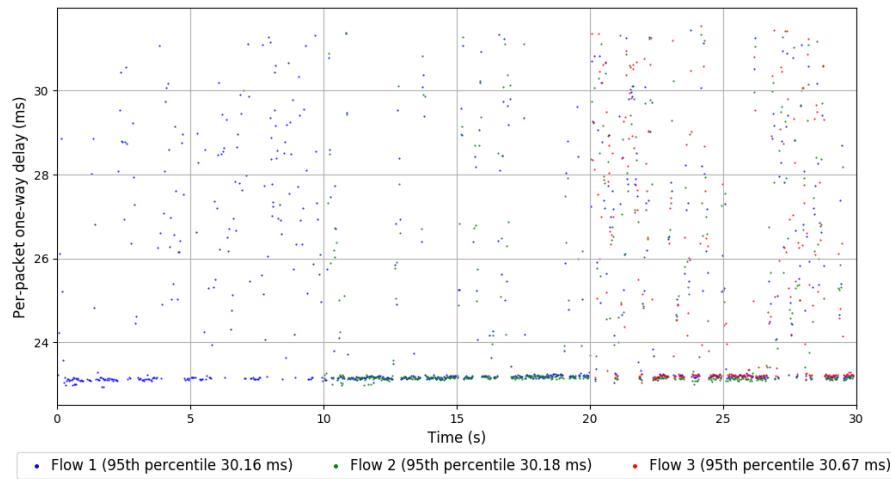
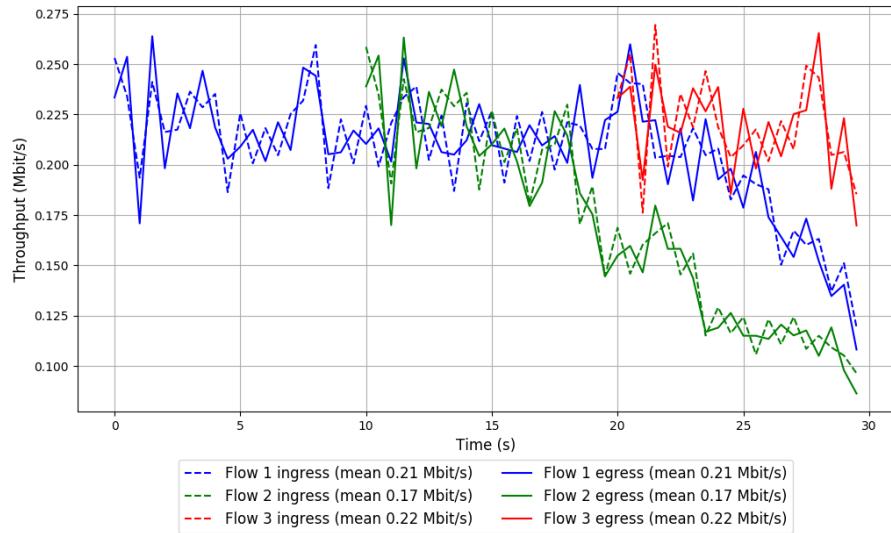


Run 7: Statistics of SCReAM

```
Start at: 2018-02-13 15:58:36
End at: 2018-02-13 15:59:06
Local clock offset: -0.647 ms
Remote clock offset: 17.366 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 30.432 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.165 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 30.179 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.670 ms
Loss rate: 0.35%
```

Run 7: Report of SCReAM — Data Link

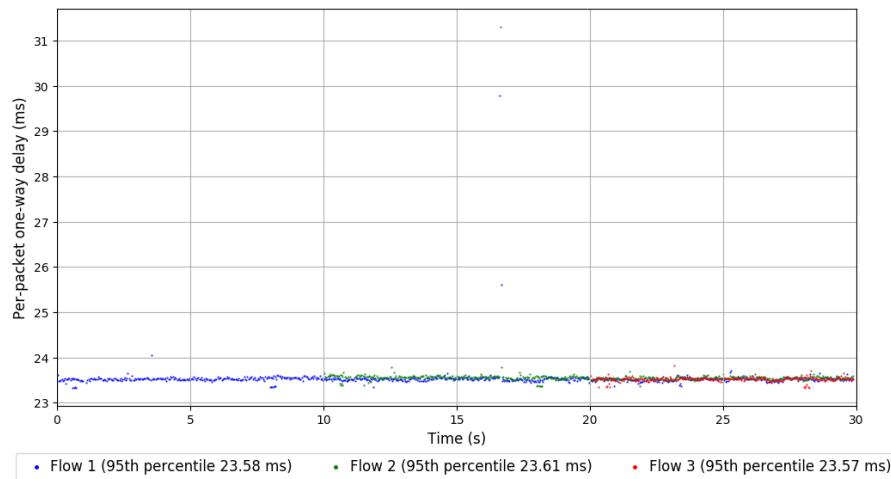
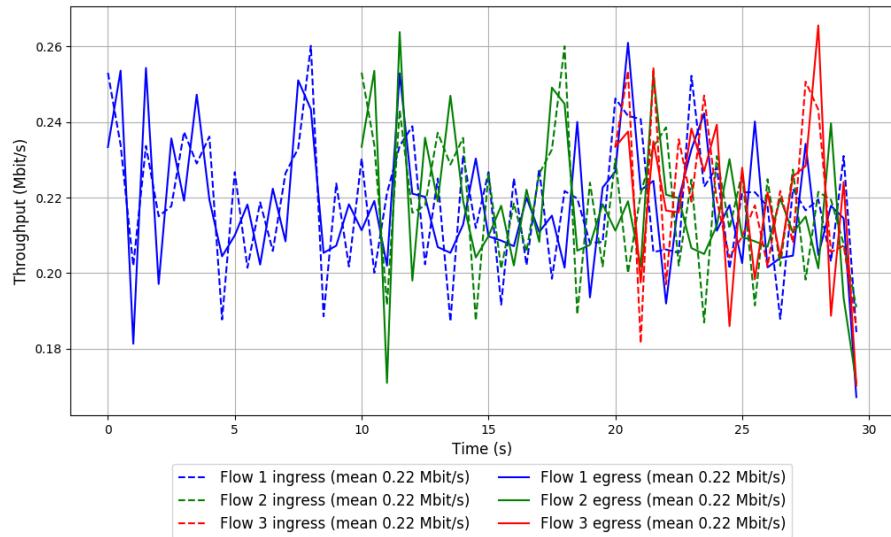


Run 8: Statistics of SCReAM

```
Start at: 2018-02-13 16:24:42
End at: 2018-02-13 16:25:12
Local clock offset: -0.778 ms
Remote clock offset: 7.755 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.596 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.580 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.611 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.565 ms
Loss rate: 0.35%
```

Run 8: Report of SCReAM — Data Link

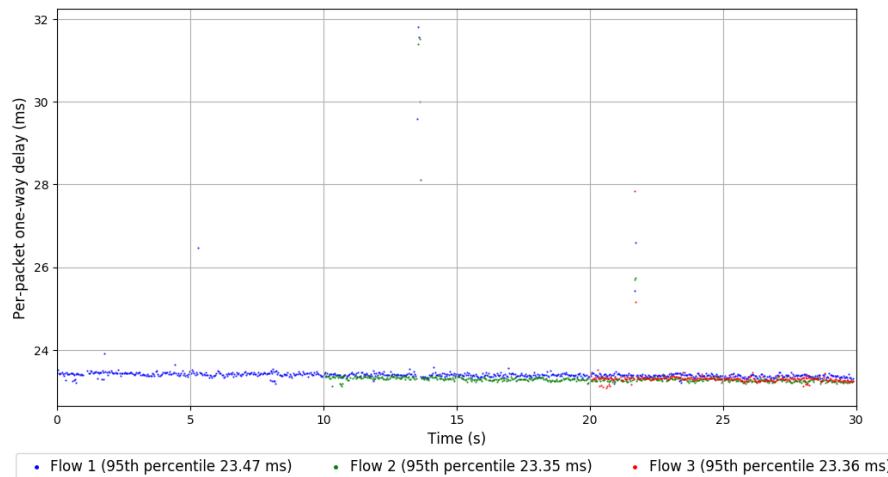
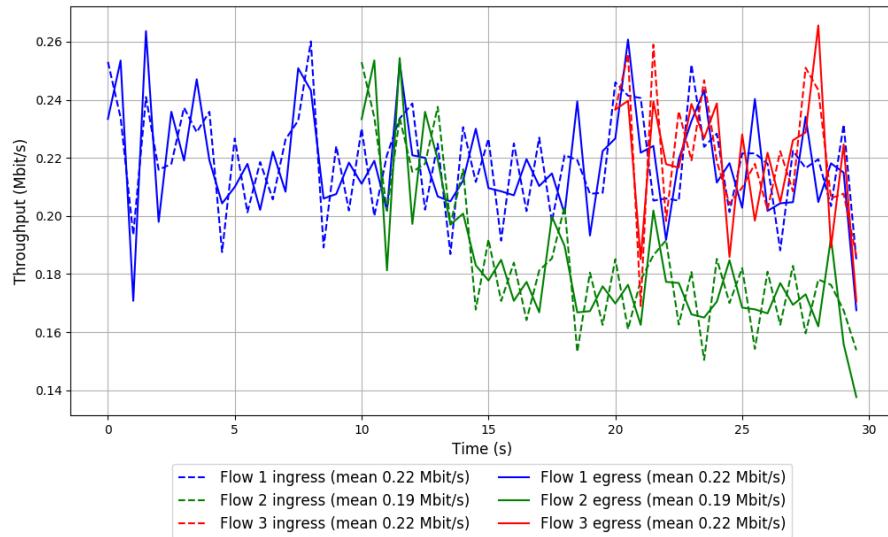


Run 9: Statistics of SCReAM

```
Start at: 2018-02-13 16:49:24
End at: 2018-02-13 16:49:54
Local clock offset: 0.635 ms
Remote clock offset: 8.128 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 23.452 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.469 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 23.354 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.358 ms
Loss rate: 0.35%
```

Run 9: Report of SCReAM — Data Link

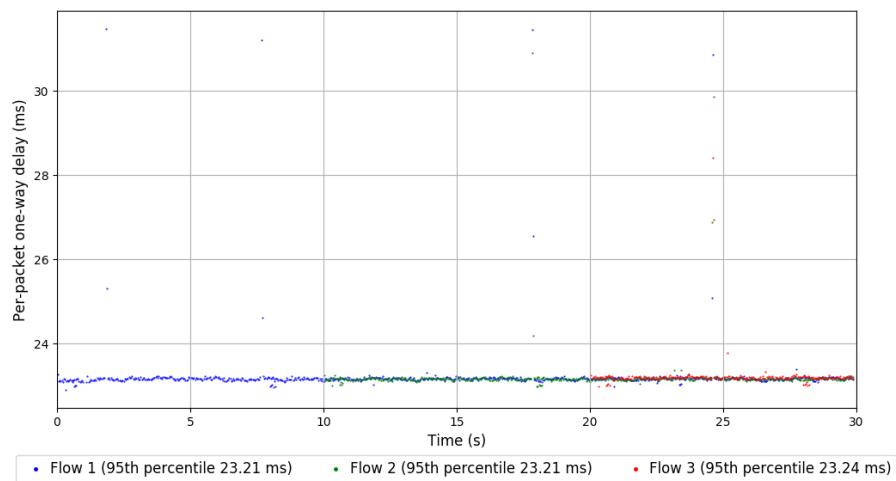
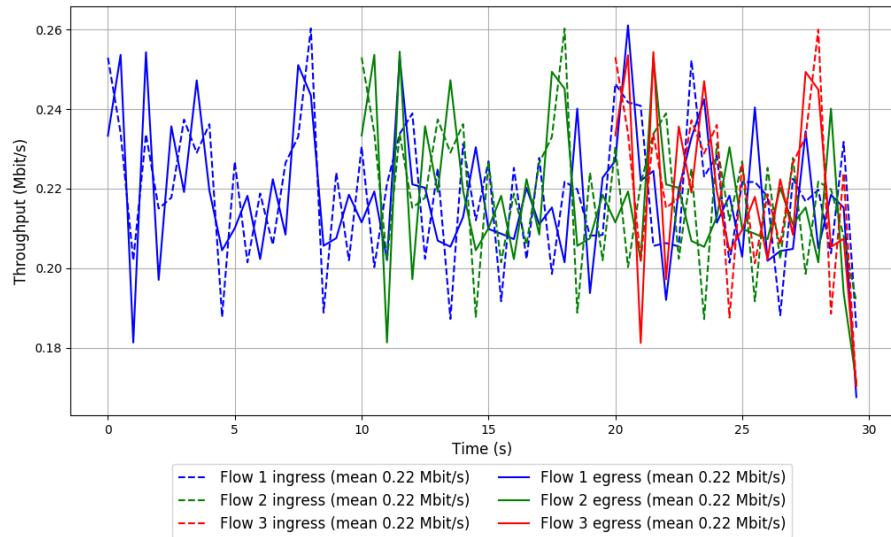


Run 10: Statistics of SCReAM

```
Start at: 2018-02-13 17:14:00
End at: 2018-02-13 17:14:30
Local clock offset: 2.665 ms
Remote clock offset: 7.684 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.222 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.212 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.209 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.239 ms
Loss rate: 0.35%
```

Run 10: Report of SCReAM — Data Link

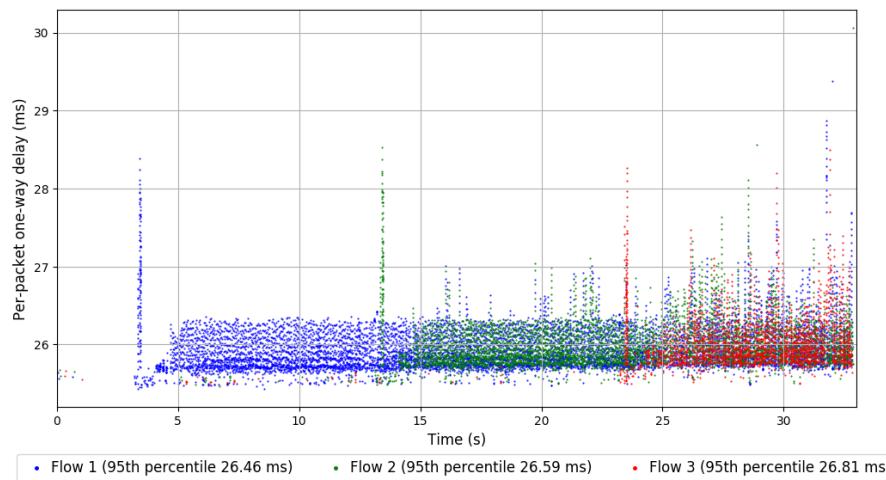
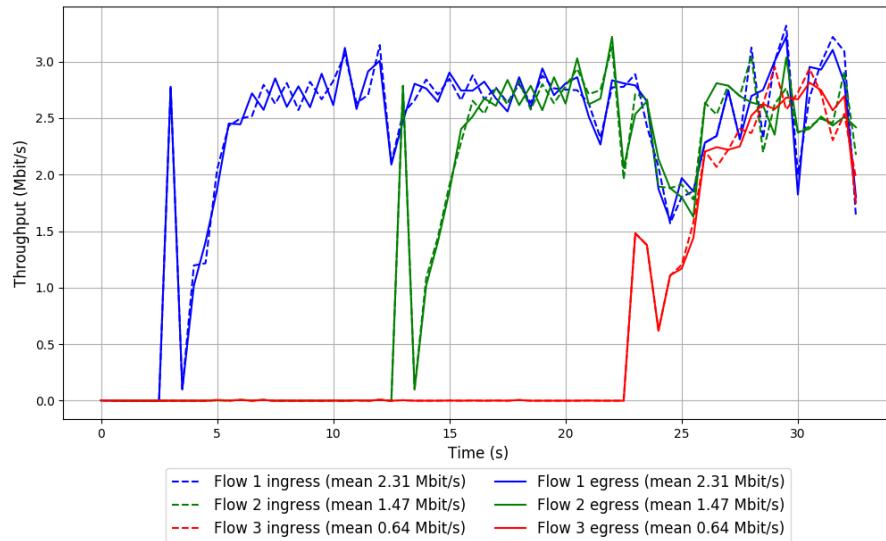


Run 1: Statistics of WebRTC media

```
Start at: 2018-02-13 13:44:00
End at: 2018-02-13 13:44:30
Local clock offset: -0.708 ms
Remote clock offset: 0.497 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 26.583 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 26.457 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 26.591 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 26.810 ms
Loss rate: 0.52%
```

Run 1: Report of WebRTC media — Data Link

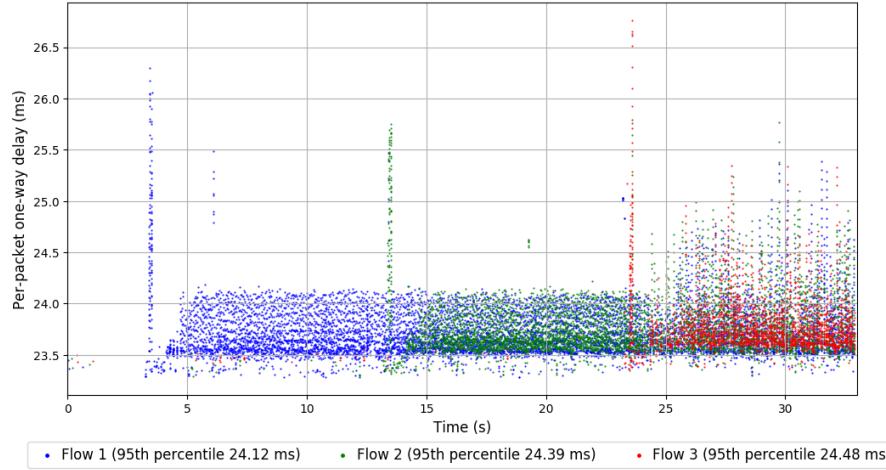
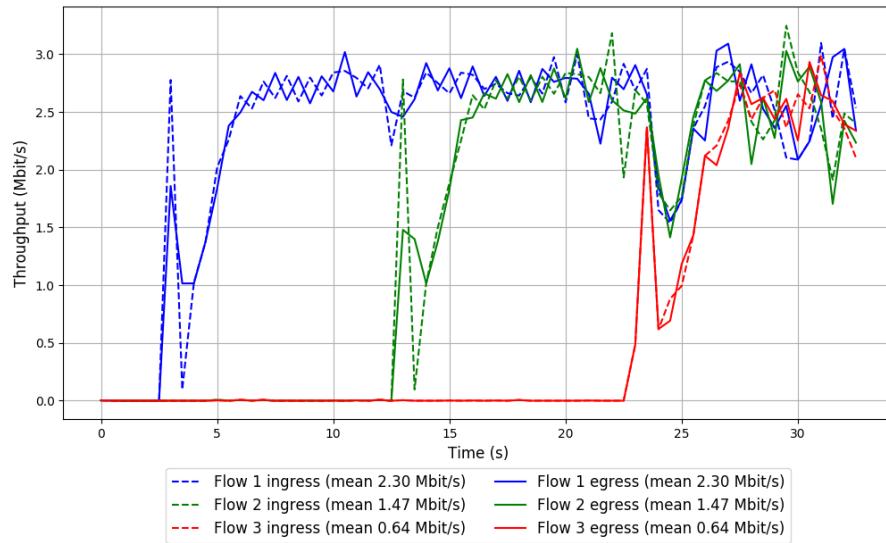


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-13 14:08:40
End at: 2018-02-13 14:09:10
Local clock offset: 1.789 ms
Remote clock offset: 1.84 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 24.300 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 24.125 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 24.388 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 24.485 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

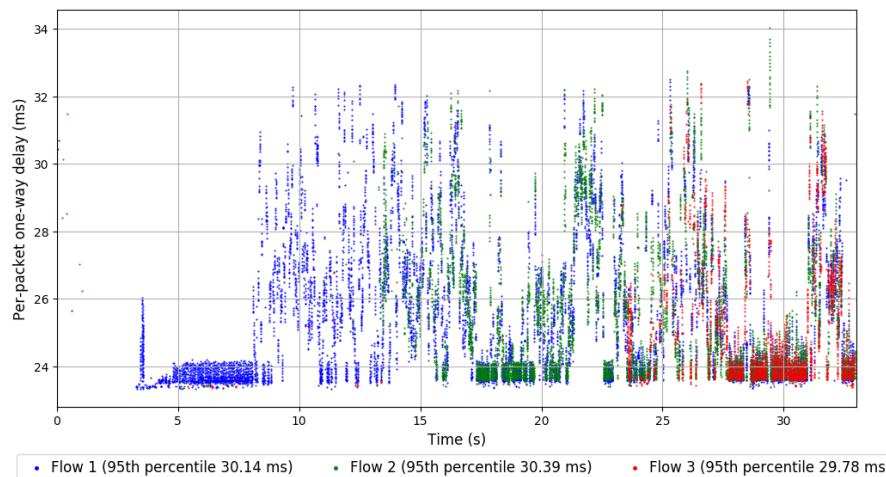
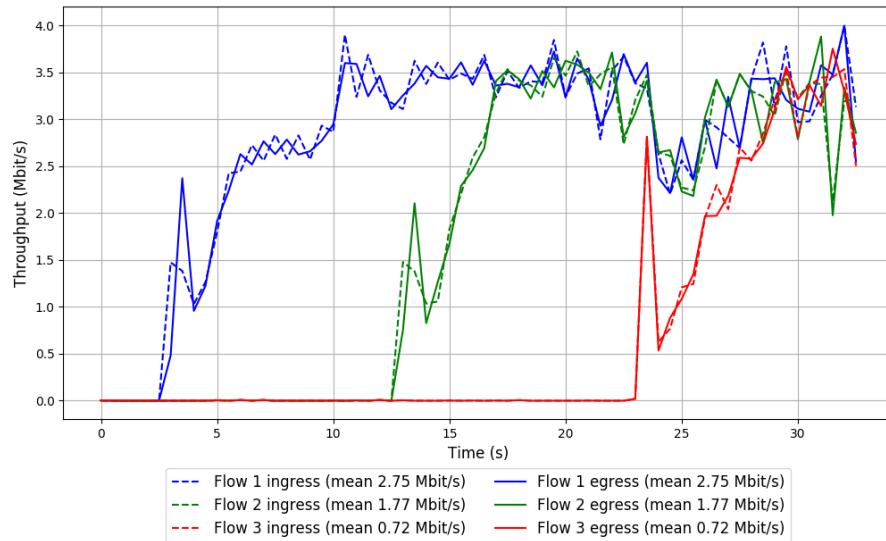


Run 3: Statistics of WebRTC media

```
Start at: 2018-02-13 14:33:16
End at: 2018-02-13 14:33:46
Local clock offset: 1.549 ms
Remote clock offset: 1.884 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 30.176 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 30.140 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 30.385 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 29.776 ms
Loss rate: 0.09%
```

Run 3: Report of WebRTC media — Data Link

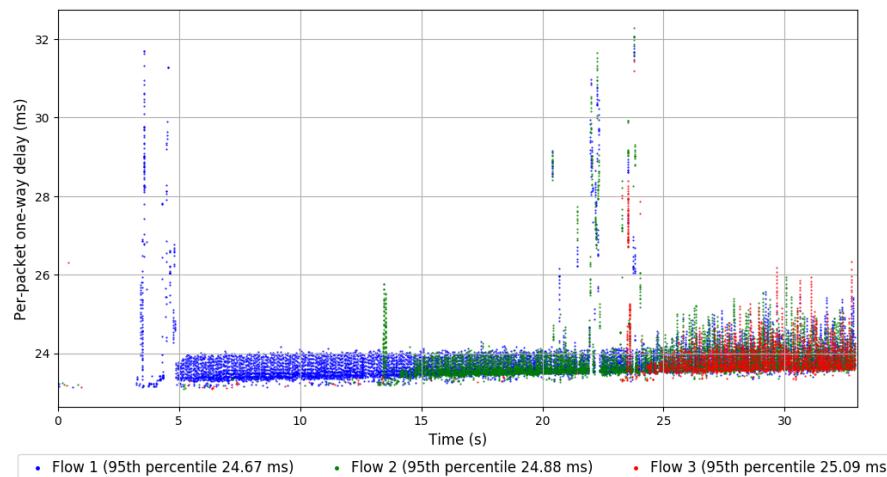
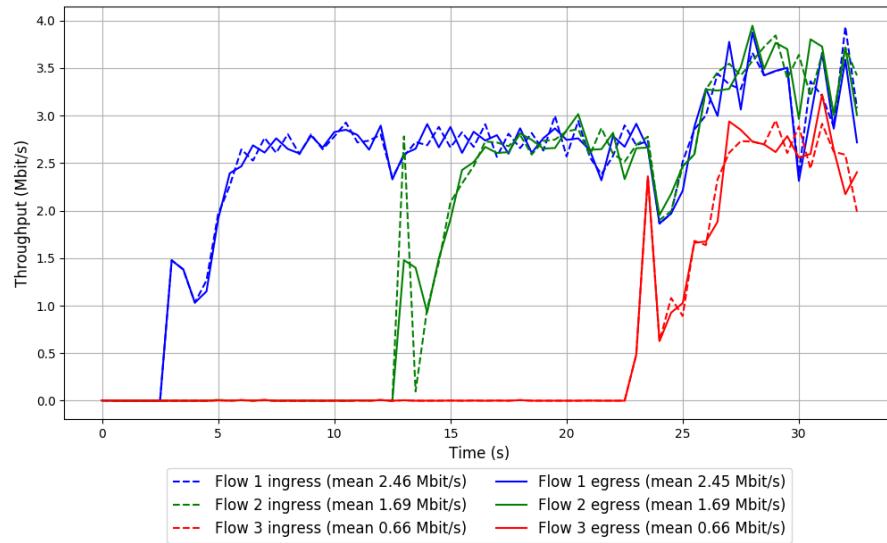


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-13 14:58:16
End at: 2018-02-13 14:58:46
Local clock offset: 0.707 ms
Remote clock offset: 6.25 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 24.836 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 24.668 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 24.881 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 25.086 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

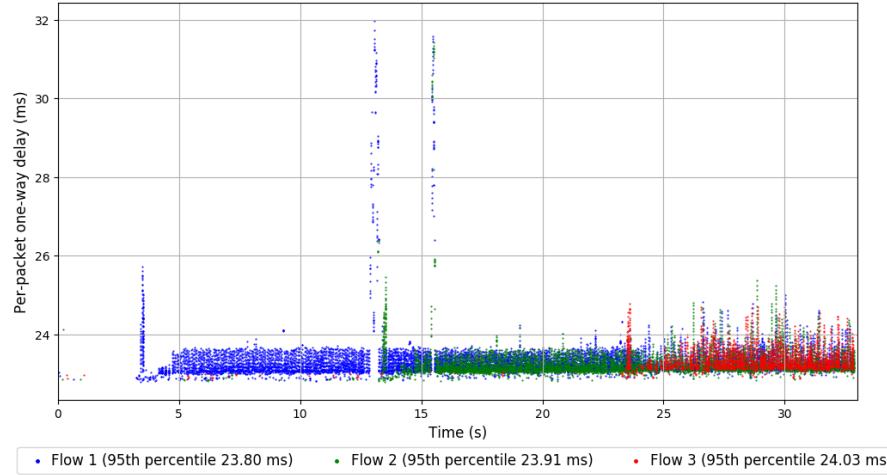
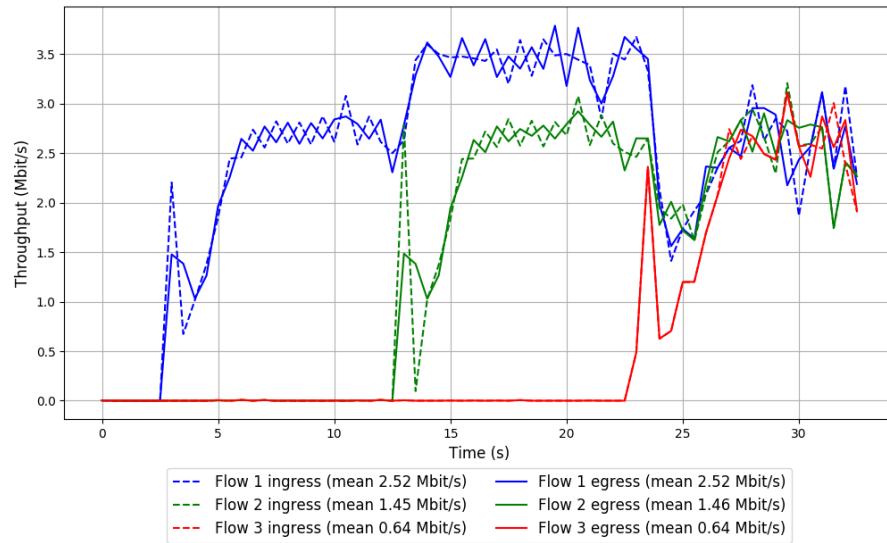


Run 5: Statistics of WebRTC media

```
Start at: 2018-02-13 15:23:18
End at: 2018-02-13 15:23:48
Local clock offset: 0.862 ms
Remote clock offset: 13.011 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 23.895 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 23.799 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 23.913 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 24.029 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

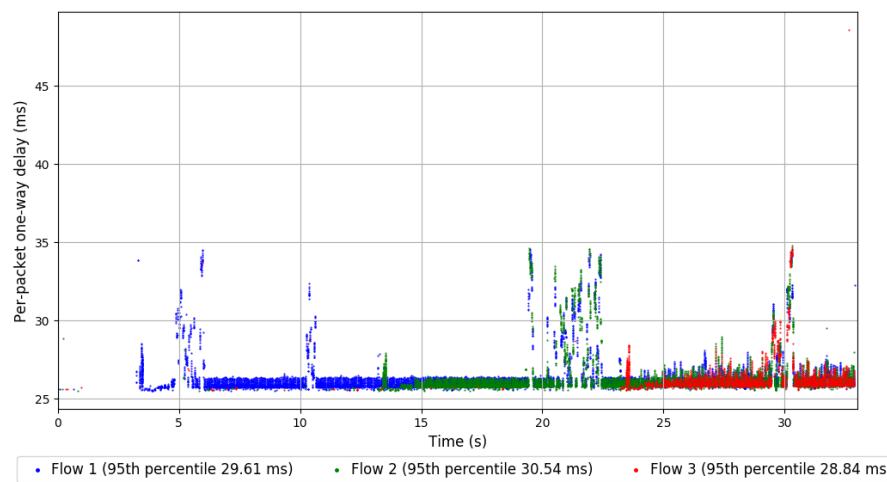
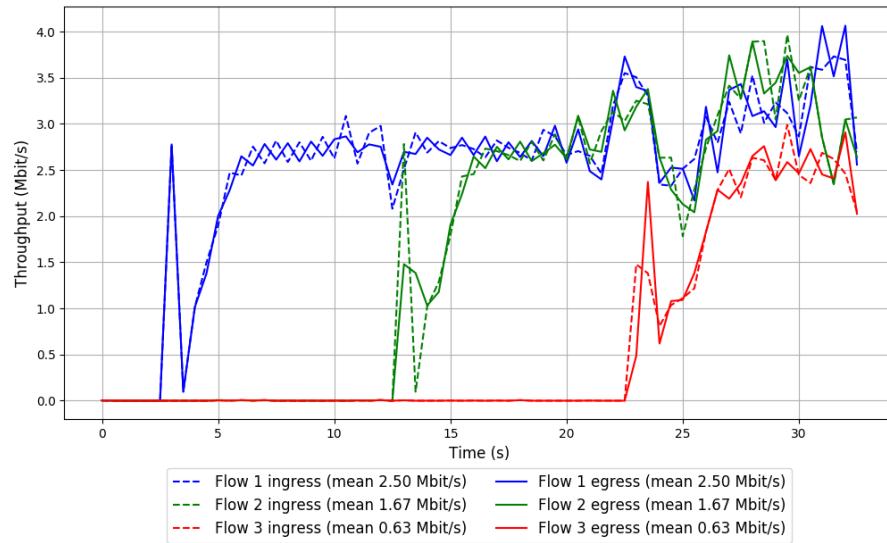


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-13 15:48:12
End at: 2018-02-13 15:48:42
Local clock offset: -0.353 ms
Remote clock offset: 13.44 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 29.804 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 29.607 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 30.535 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 28.835 ms
Loss rate: 0.10%
```

Run 6: Report of WebRTC media — Data Link

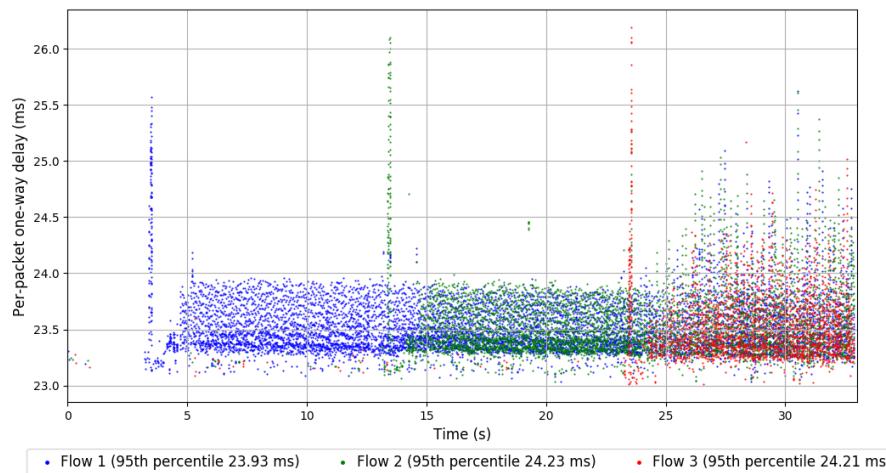
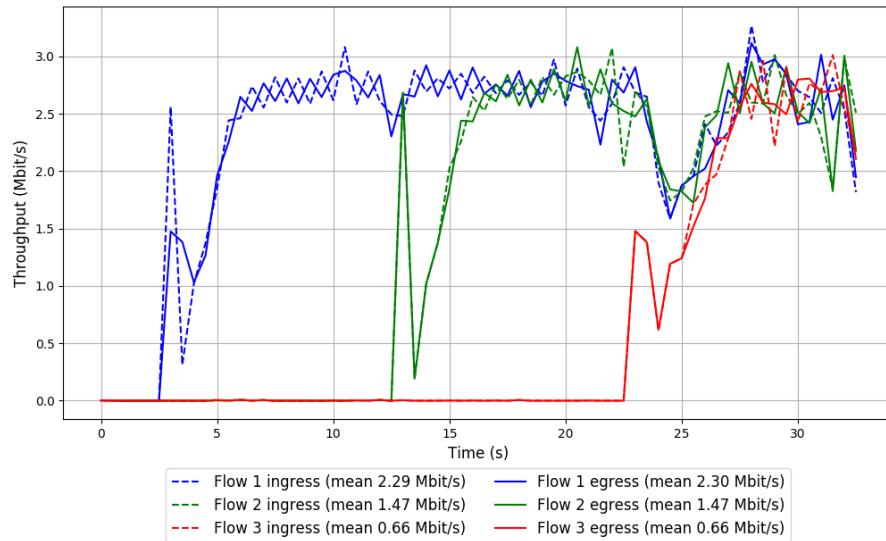


Run 7: Statistics of WebRTC media

```
Start at: 2018-02-13 16:15:05
End at: 2018-02-13 16:15:35
Local clock offset: -0.79 ms
Remote clock offset: 9.605 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 24.102 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 23.928 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 24.228 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 24.212 ms
Loss rate: 0.49%
```

Run 7: Report of WebRTC media — Data Link

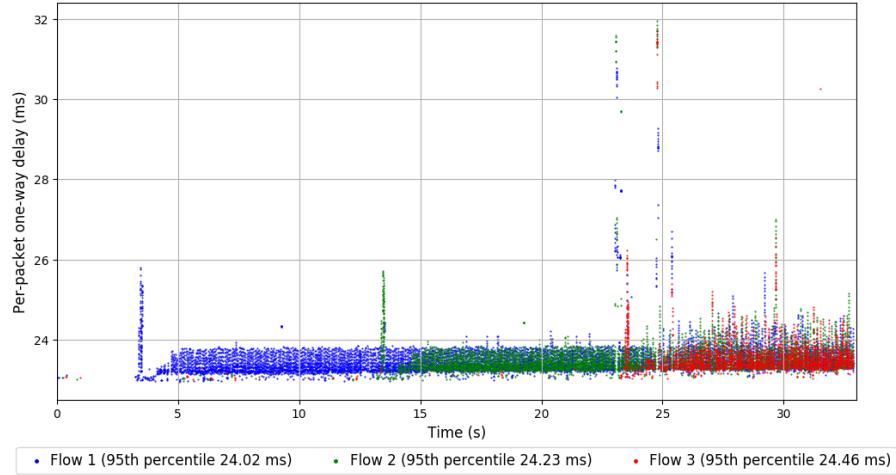
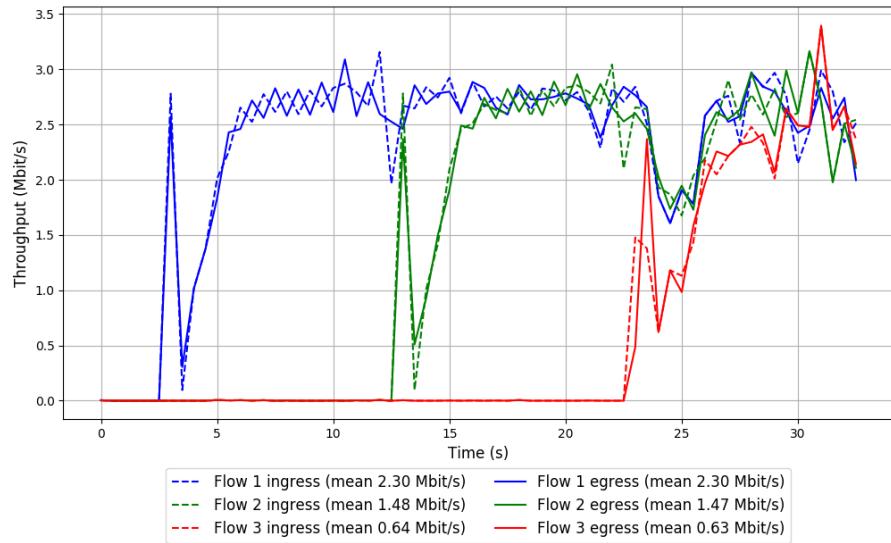


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-13 16:39:41
End at: 2018-02-13 16:40:11
Local clock offset: -0.906 ms
Remote clock offset: 7.859 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 24.183 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 24.019 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 24.230 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 24.465 ms
Loss rate: 0.55%
```

Run 8: Report of WebRTC media — Data Link

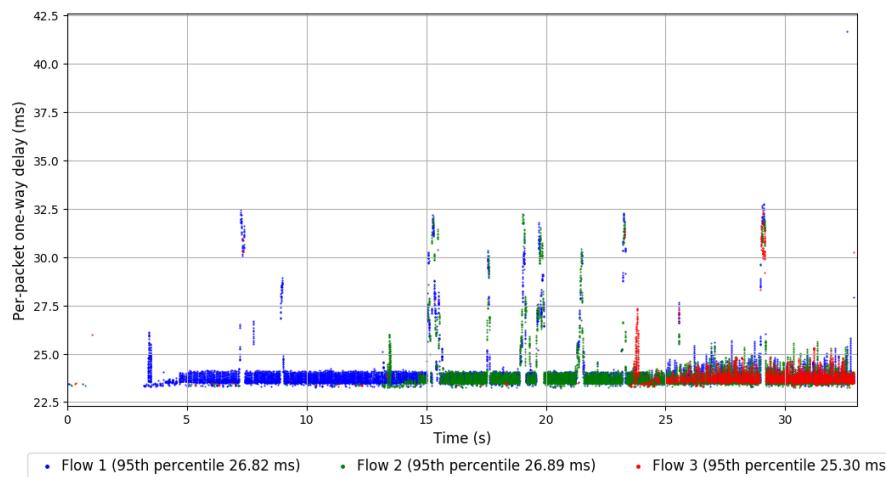
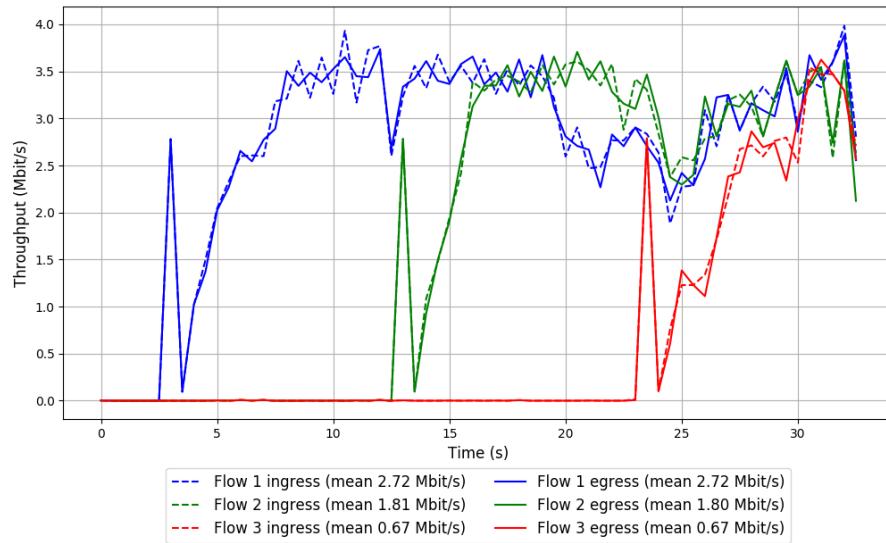


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-13 17:04:29
End at: 2018-02-13 17:04:59
Local clock offset: 2.049 ms
Remote clock offset: 7.074 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 26.704 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 26.815 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 26.891 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 25.296 ms
Loss rate: 0.38%
```

Run 9: Report of WebRTC media — Data Link

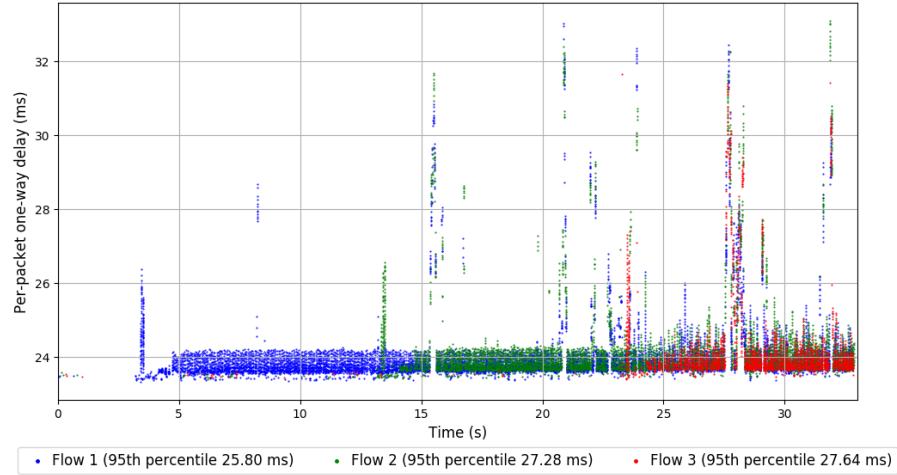
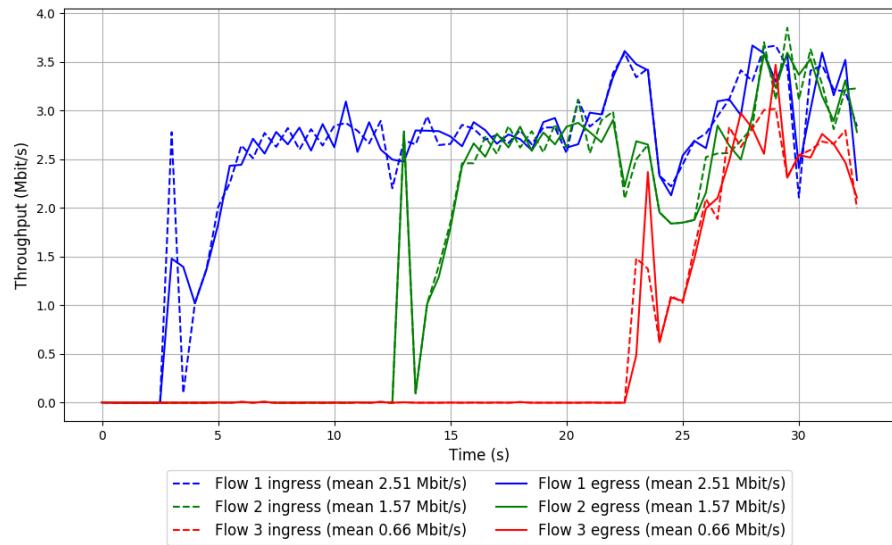


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-02-13 17:29:01
End at: 2018-02-13 17:29:31
Local clock offset: 1.304 ms
Remote clock offset: 7.671 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 26.668 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 25.800 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 27.279 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 27.637 ms
Loss rate: 0.52%
```

Run 10: Report of WebRTC media — Data Link

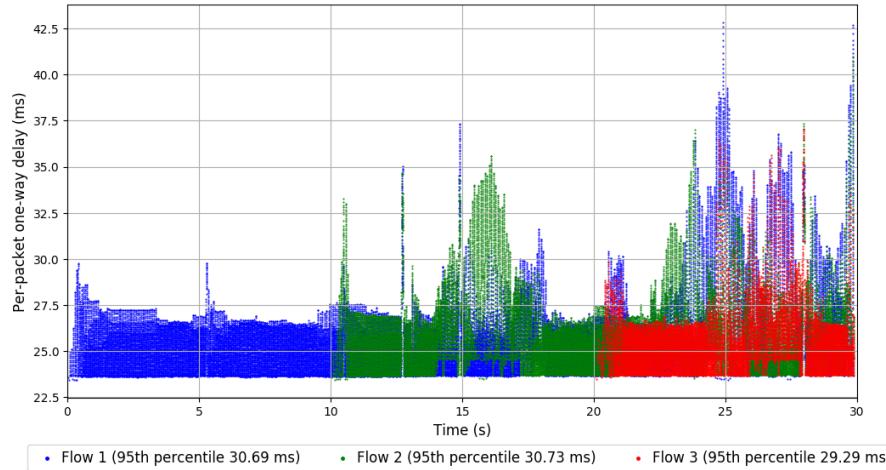
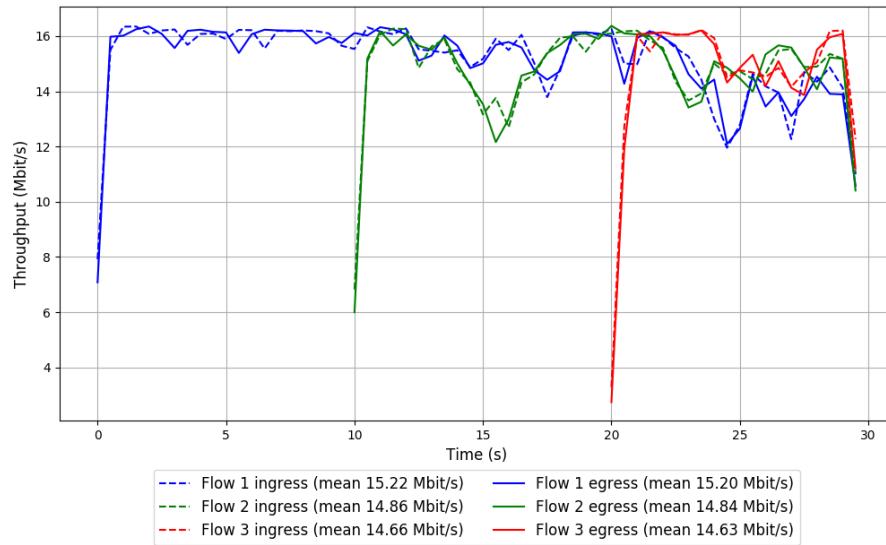


Run 1: Statistics of Sprout

```
Start at: 2018-02-13 13:42:42
End at: 2018-02-13 13:43:12
Local clock offset: -0.663 ms
Remote clock offset: 2.519 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 30.514 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 15.20 Mbit/s
95th percentile per-packet one-way delay: 30.692 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 30.732 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 29.286 ms
Loss rate: 0.77%
```

Run 1: Report of Sprout — Data Link

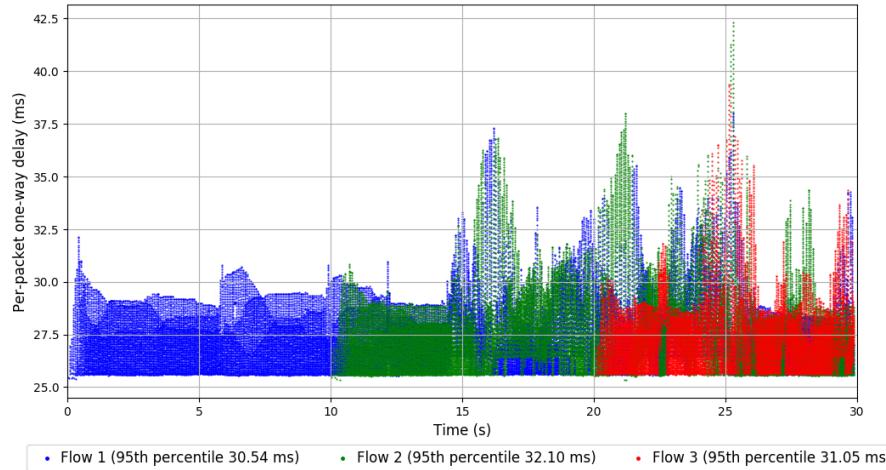
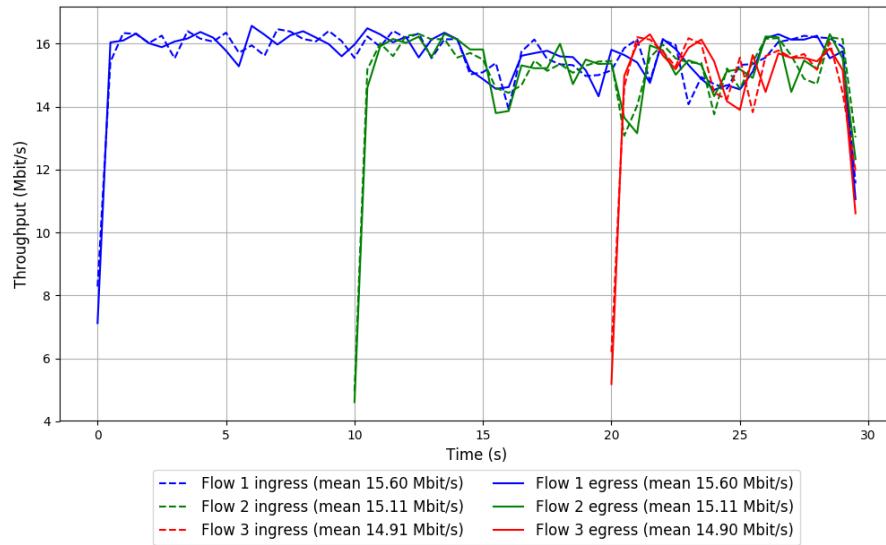


Run 2: Statistics of Sprout

```
Start at: 2018-02-13 14:07:21
End at: 2018-02-13 14:07:51
Local clock offset: 1.647 ms
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 31.164 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 30.543 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 32.105 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 31.054 ms
Loss rate: 0.65%
```

Run 2: Report of Sprout — Data Link

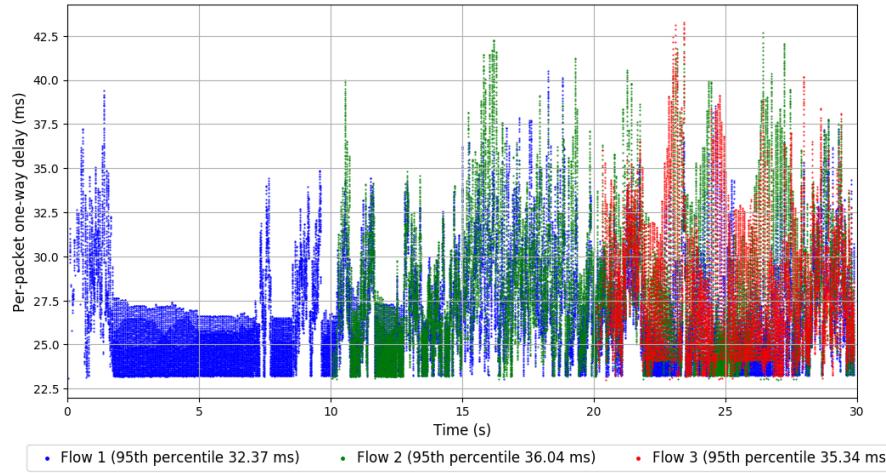
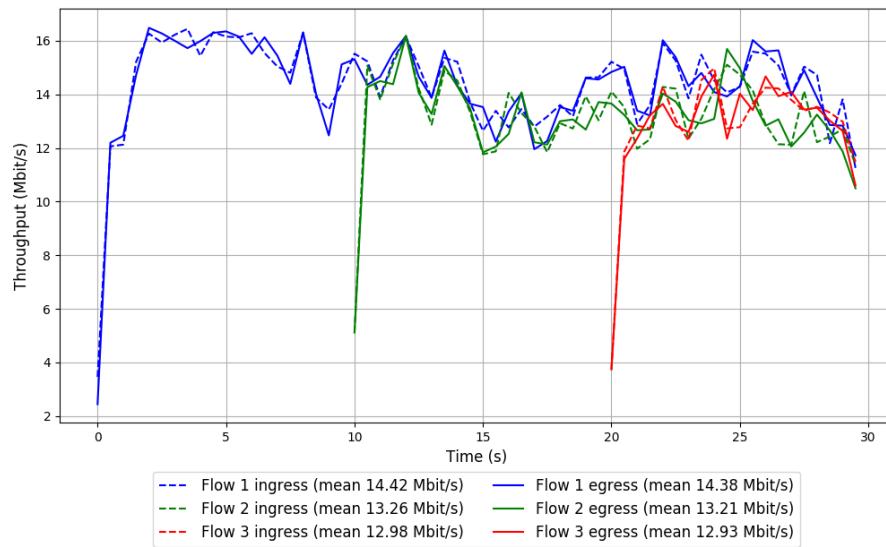


Run 3: Statistics of Sprout

```
Start at: 2018-02-13 14:31:57
End at: 2018-02-13 14:32:27
Local clock offset: 1.626 ms
Remote clock offset: 2.262 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 34.245 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 32.371 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 36.043 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 35.341 ms
Loss rate: 0.83%
```

Run 3: Report of Sprout — Data Link

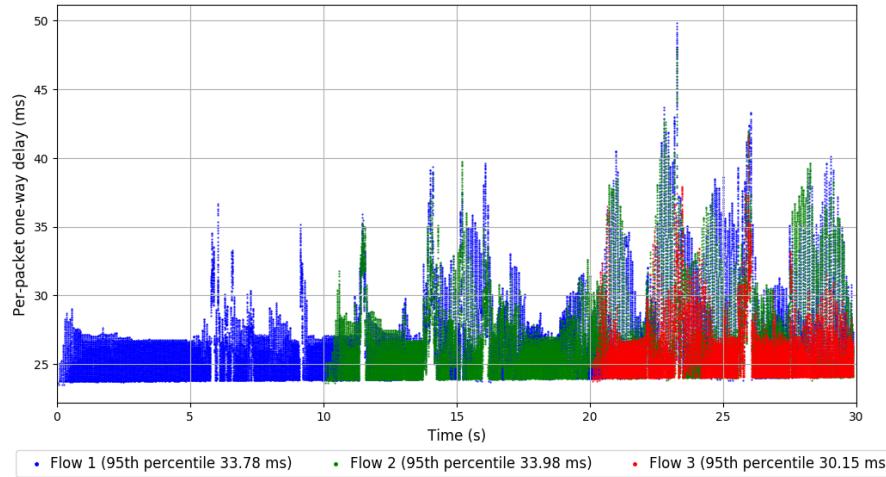
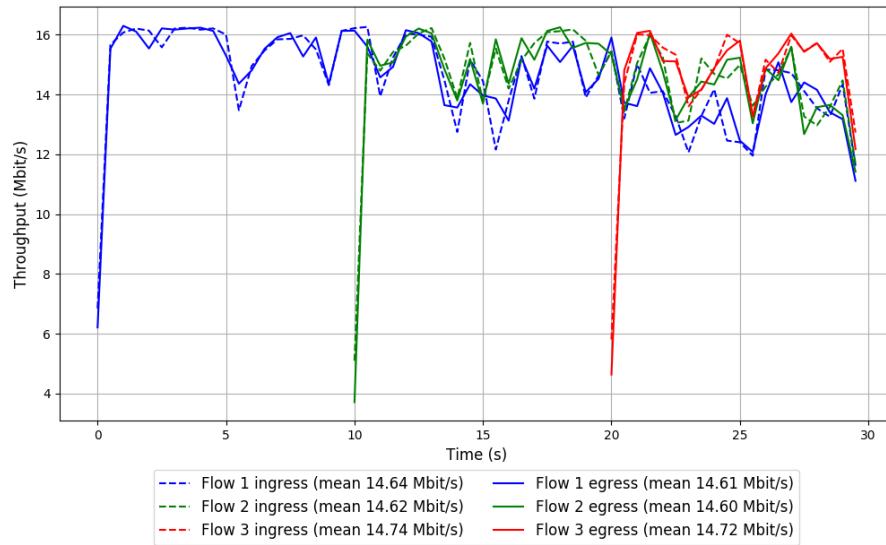


Run 4: Statistics of Sprout

```
Start at: 2018-02-13 14:56:58
End at: 2018-02-13 14:57:28
Local clock offset: 0.728 ms
Remote clock offset: 5.069 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 33.425 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 33.776 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 14.60 Mbit/s
95th percentile per-packet one-way delay: 33.981 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 30.154 ms
Loss rate: 0.56%
```

Run 4: Report of Sprout — Data Link

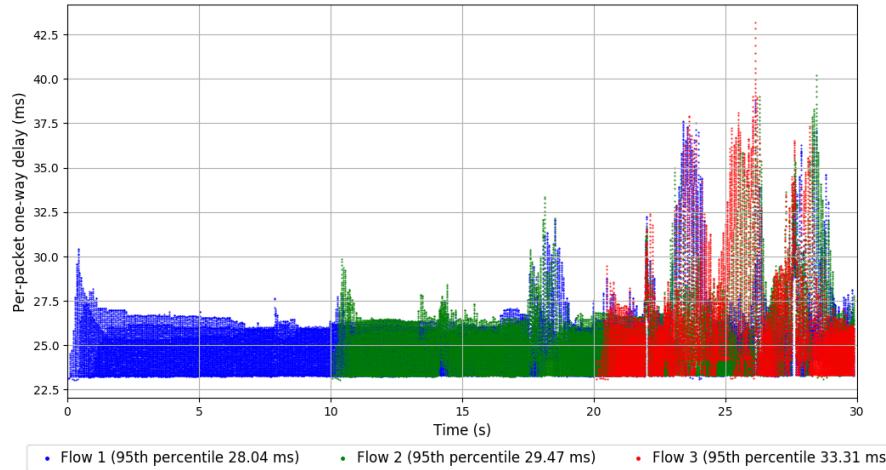
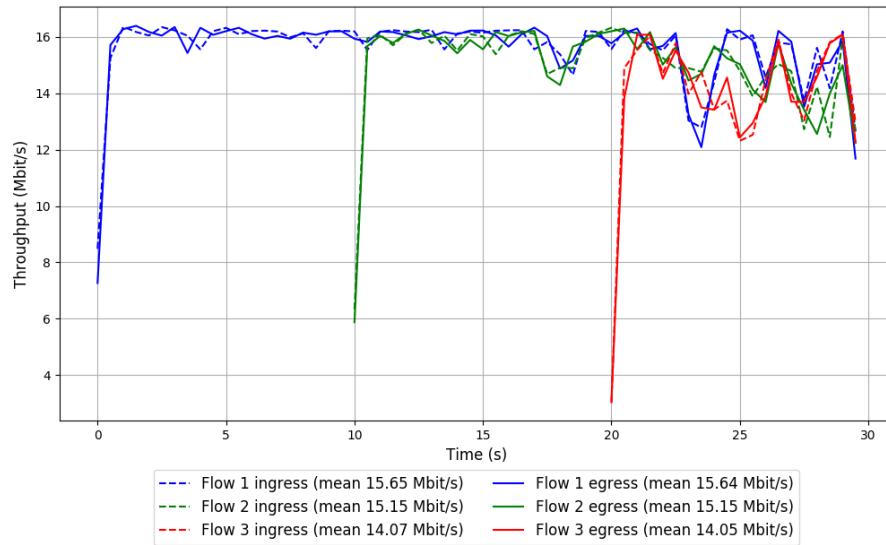


Run 5: Statistics of Sprout

```
Start at: 2018-02-13 15:22:00
End at: 2018-02-13 15:22:30
Local clock offset: 0.869 ms
Remote clock offset: 12.69 ms

# Below is generated by plot.py at 2018-02-13 22:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 29.780 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 28.035 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 29.473 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 33.312 ms
Loss rate: 0.48%
```

Run 5: Report of Sprout — Data Link

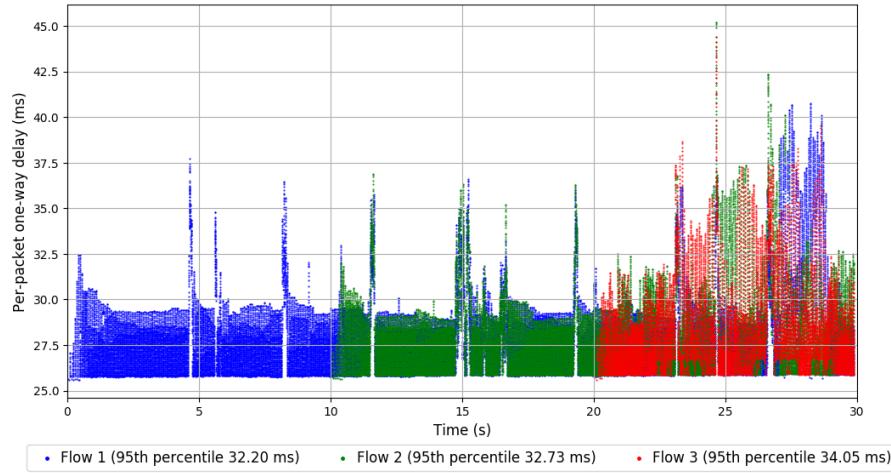
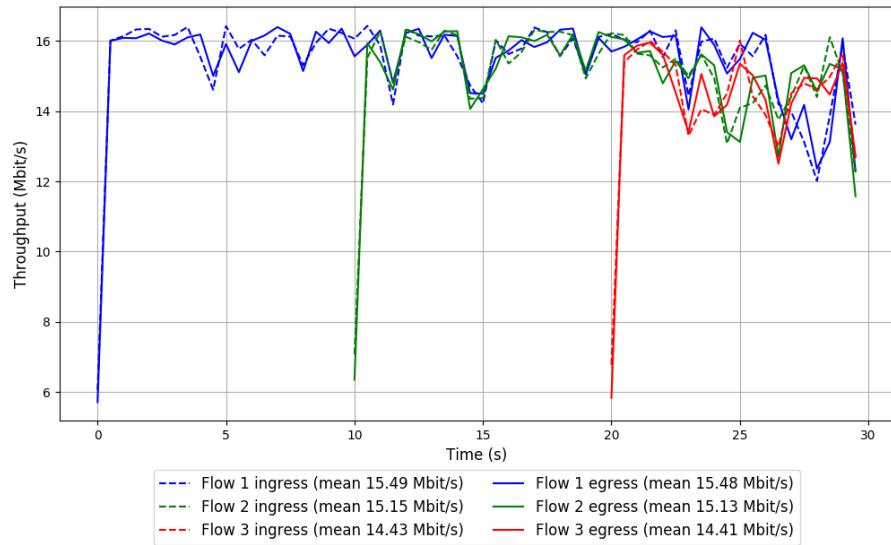


Run 6: Statistics of Sprout

```
Start at: 2018-02-13 15:46:53
End at: 2018-02-13 15:47:23
Local clock offset: -0.331 ms
Remote clock offset: 13.204 ms

# Below is generated by plot.py at 2018-02-13 22:06:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 32.903 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 32.198 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 15.13 Mbit/s
95th percentile per-packet one-way delay: 32.725 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 34.047 ms
Loss rate: 0.52%
```

Run 6: Report of Sprout — Data Link

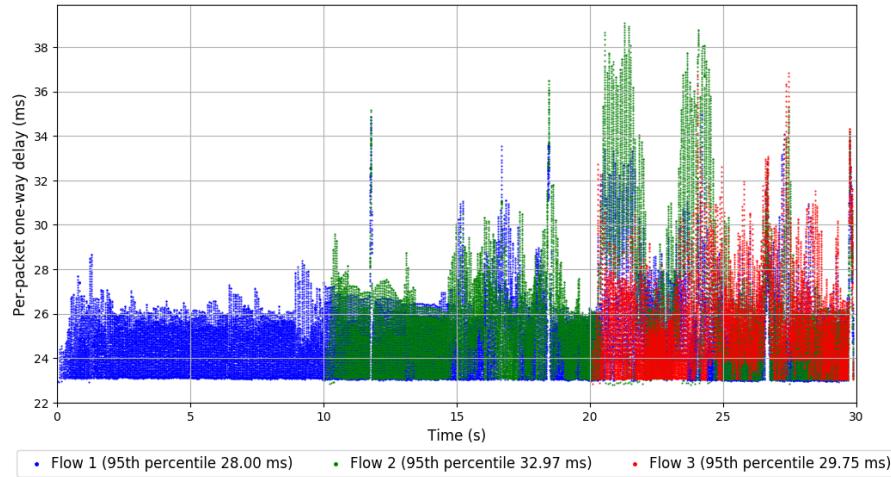
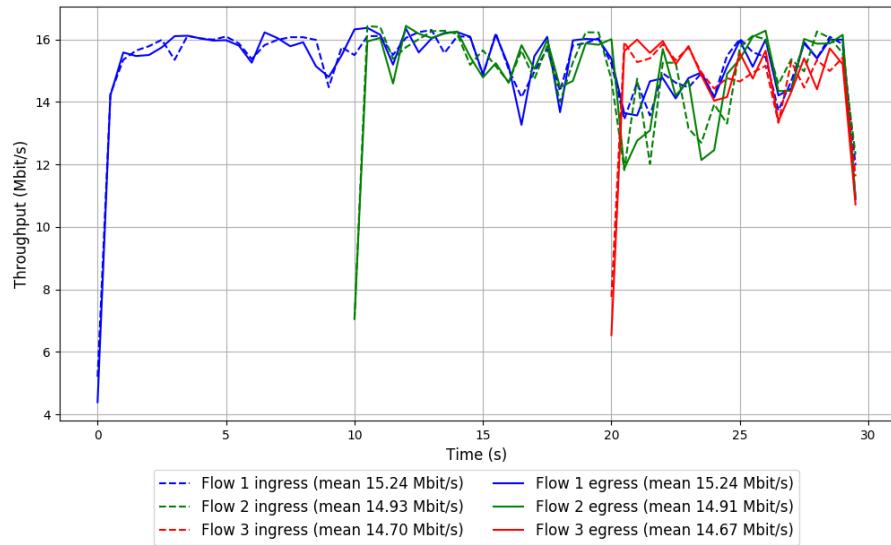


Run 7: Statistics of Sprout

```
Start at: 2018-02-13 16:13:44
End at: 2018-02-13 16:14:14
Local clock offset: -0.789 ms
Remote clock offset: 10.222 ms

# Below is generated by plot.py at 2018-02-13 22:06:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 30.054 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 27.995 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 32.966 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: 29.754 ms
Loss rate: 0.61%
```

Run 7: Report of Sprout — Data Link

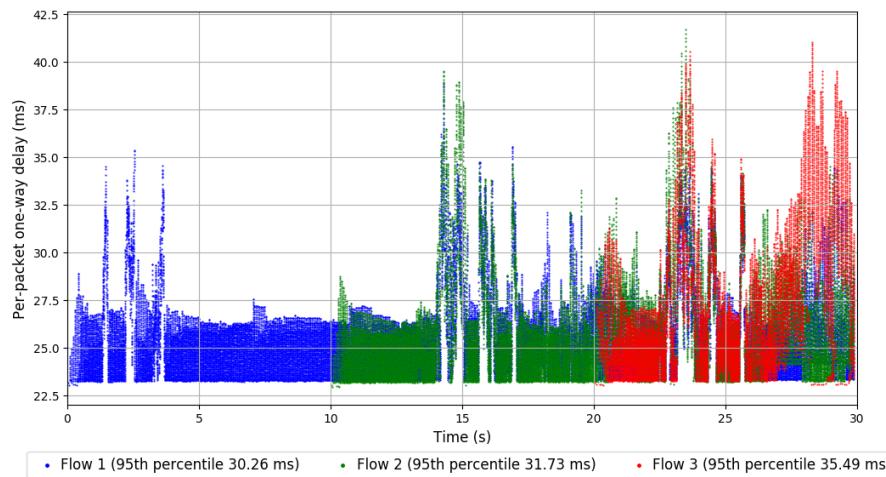
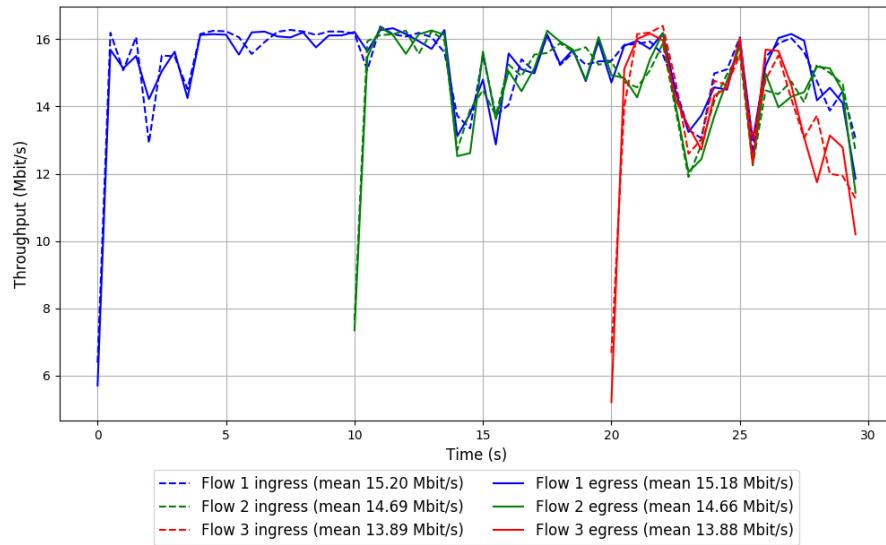


Run 8: Statistics of Sprout

```
Start at: 2018-02-13 16:38:23
End at: 2018-02-13 16:38:53
Local clock offset: -0.916 ms
Remote clock offset: 7.61 ms

# Below is generated by plot.py at 2018-02-13 22:06:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 31.855 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 30.264 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 31.731 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: 35.492 ms
Loss rate: 0.50%
```

Run 8: Report of Sprout — Data Link

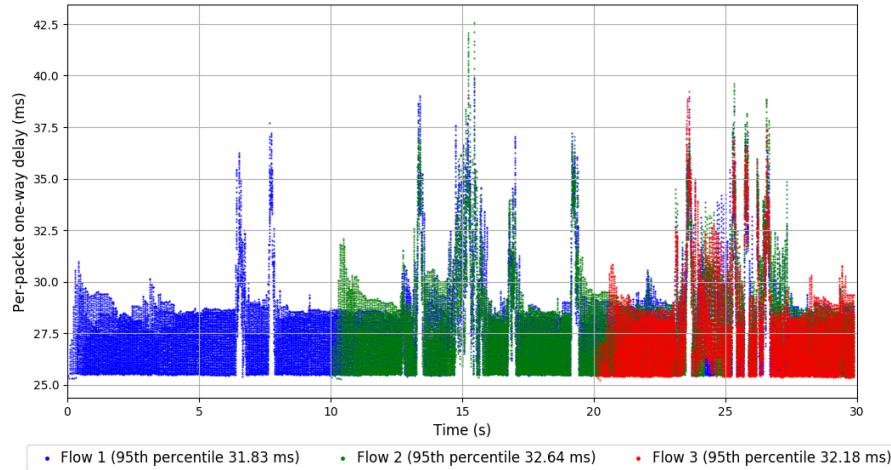
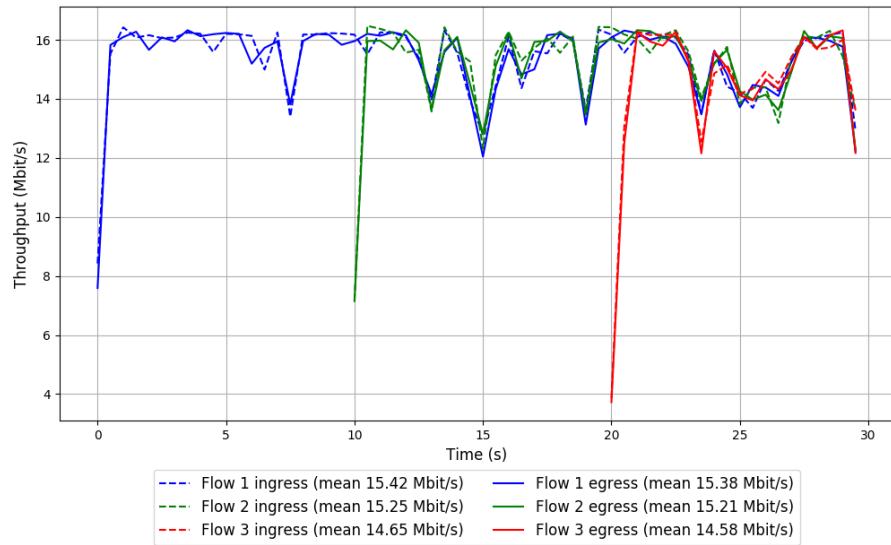


Run 9: Statistics of Sprout

```
Start at: 2018-02-13 17:03:11
End at: 2018-02-13 17:03:41
Local clock offset: 1.976 ms
Remote clock offset: 5.234 ms

# Below is generated by plot.py at 2018-02-13 22:06:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 32.186 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 15.38 Mbit/s
95th percentile per-packet one-way delay: 31.826 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 32.637 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 32.176 ms
Loss rate: 1.06%
```

Run 9: Report of Sprout — Data Link

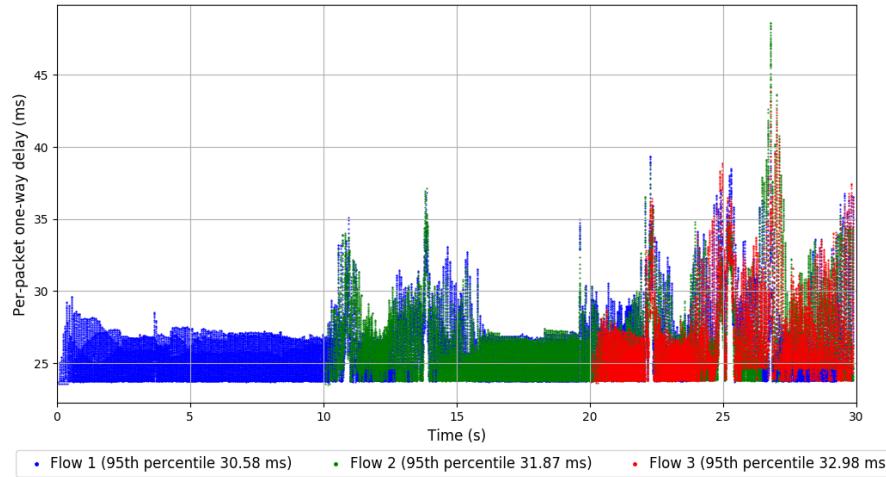
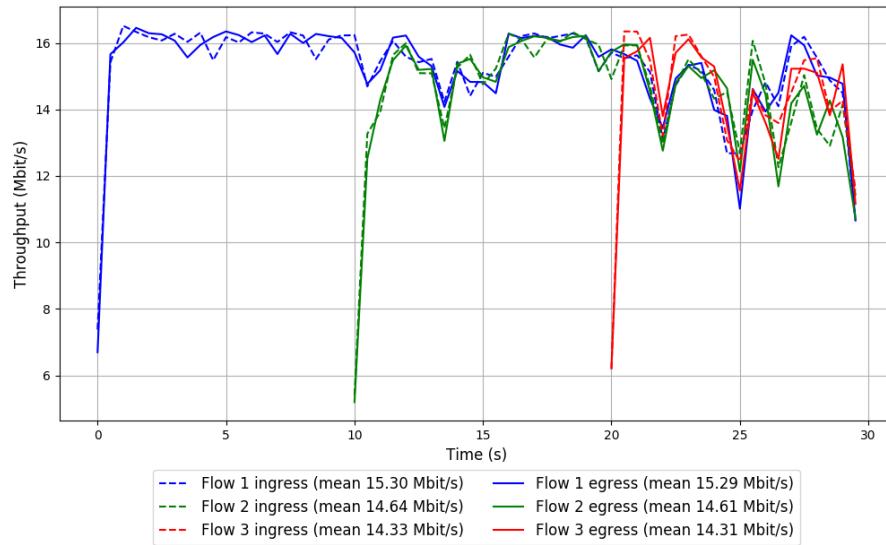


Run 10: Statistics of Sprout

```
Start at: 2018-02-13 17:27:43
End at: 2018-02-13 17:28:13
Local clock offset: 1.446 ms
Remote clock offset: 7.599 ms

# Below is generated by plot.py at 2018-02-13 22:06:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.71 Mbit/s
95th percentile per-packet one-way delay: 31.538 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 30.577 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 31.870 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 32.975 ms
Loss rate: 0.61%
```

Run 10: Report of Sprout — Data Link

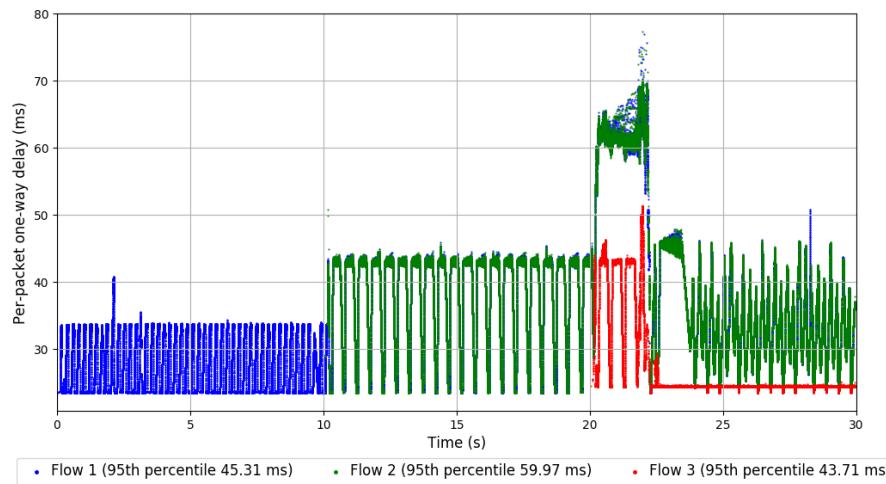
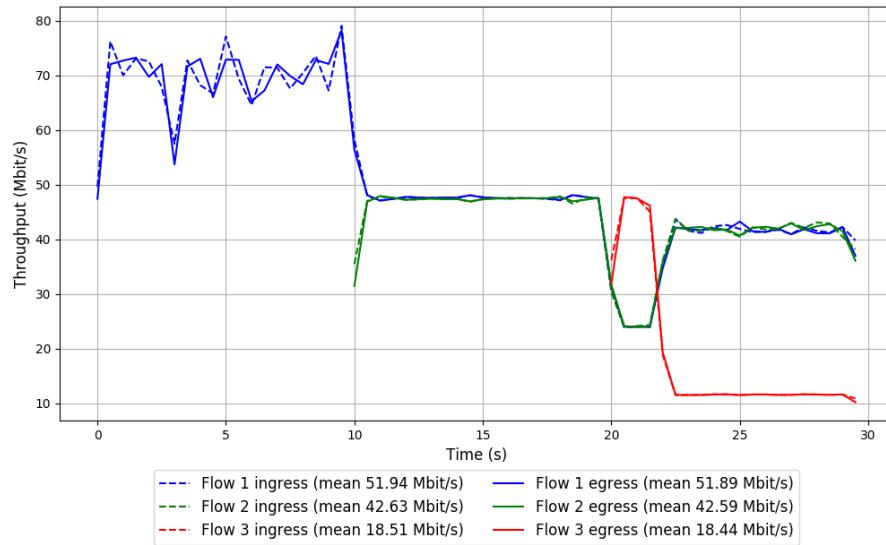


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-13 13:34:26
End at: 2018-02-13 13:34:56
Local clock offset: -0.498 ms
Remote clock offset: 2.169 ms

# Below is generated by plot.py at 2018-02-13 22:08:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 45.586 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 51.89 Mbit/s
95th percentile per-packet one-way delay: 45.315 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 59.968 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 18.44 Mbit/s
95th percentile per-packet one-way delay: 43.714 ms
Loss rate: 0.87%
```

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

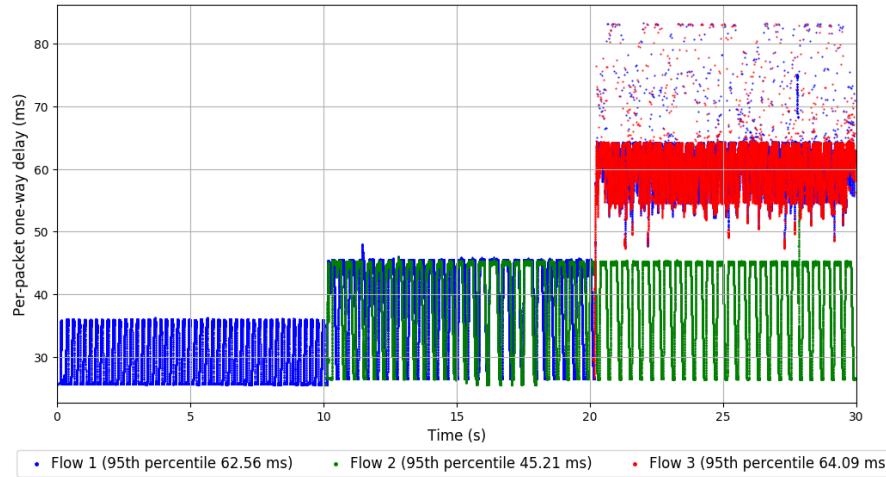
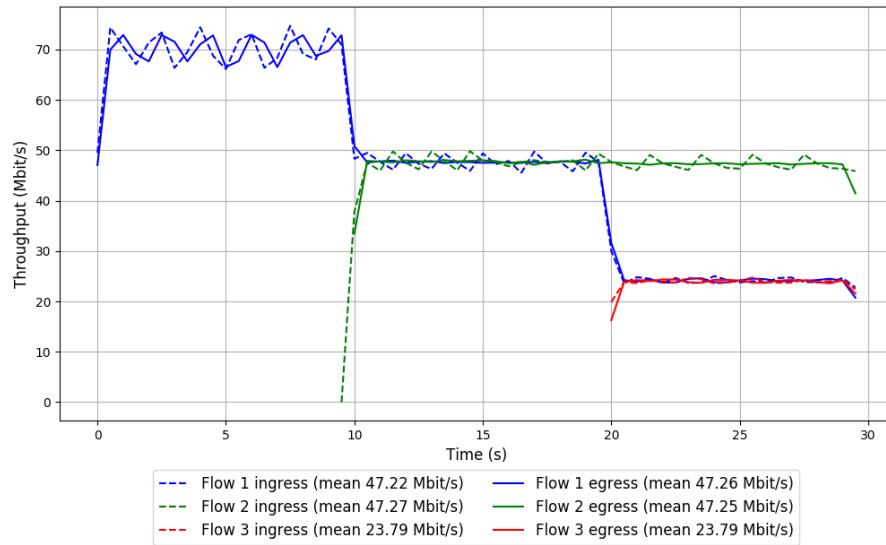


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-13 13:59:04
End at: 2018-02-13 13:59:34
Local clock offset: 0.948 ms
Remote clock offset: -0.431 ms

# Below is generated by plot.py at 2018-02-13 22:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 62.626 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 62.558 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 47.25 Mbit/s
95th percentile per-packet one-way delay: 45.206 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 23.79 Mbit/s
95th percentile per-packet one-way delay: 64.092 ms
Loss rate: 0.85%
```

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

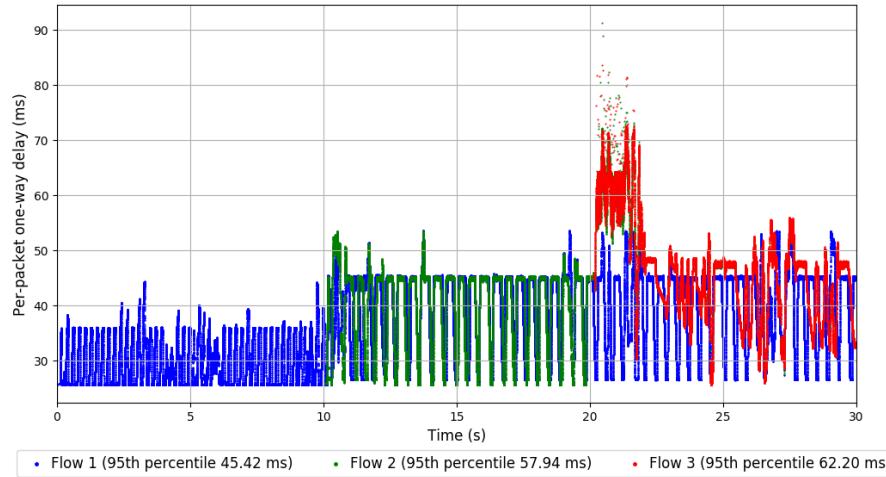
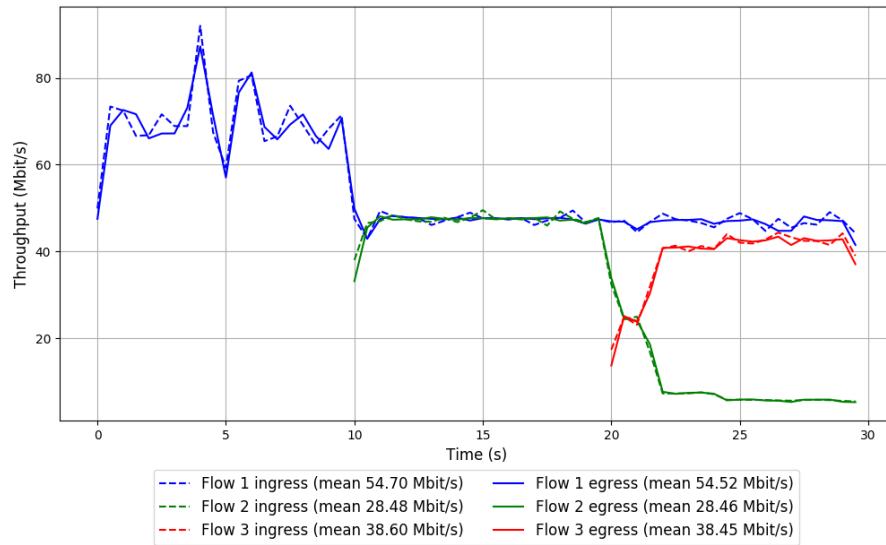


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-13 14:23:33
End at: 2018-02-13 14:24:03
Local clock offset: 2.277 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2018-02-13 22:08:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 50.561 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 45.416 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 57.938 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 62.204 ms
Loss rate: 1.13%
```

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

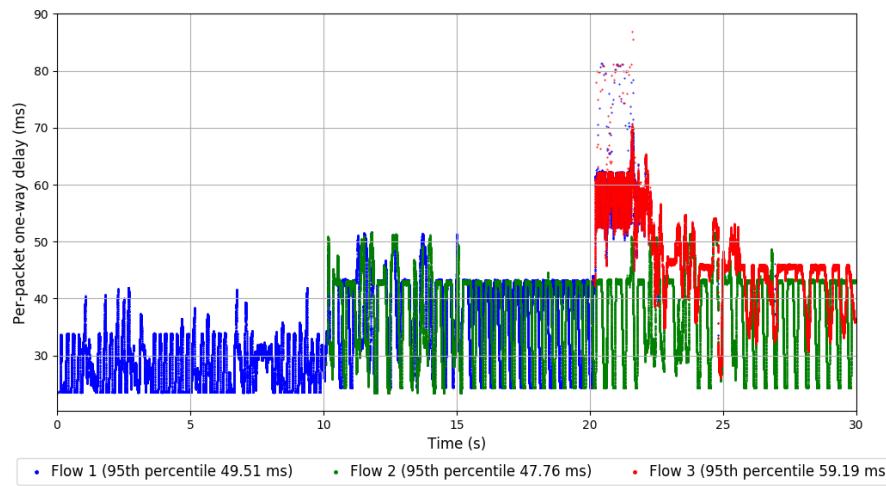
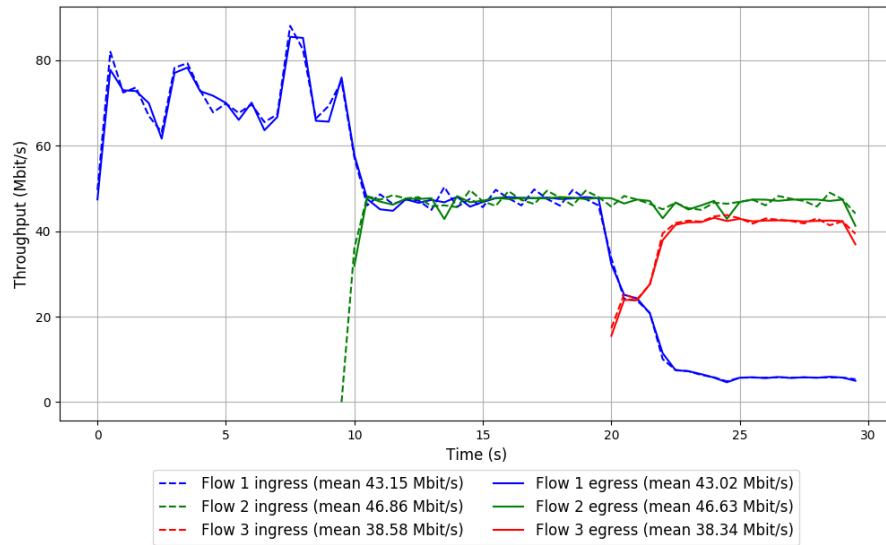


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-13 14:48:34
End at: 2018-02-13 14:49:04
Local clock offset: 0.842 ms
Remote clock offset: 1.883 ms

# Below is generated by plot.py at 2018-02-13 22:08:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 51.123 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 49.510 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 47.755 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 59.191 ms
Loss rate: 1.17%
```

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

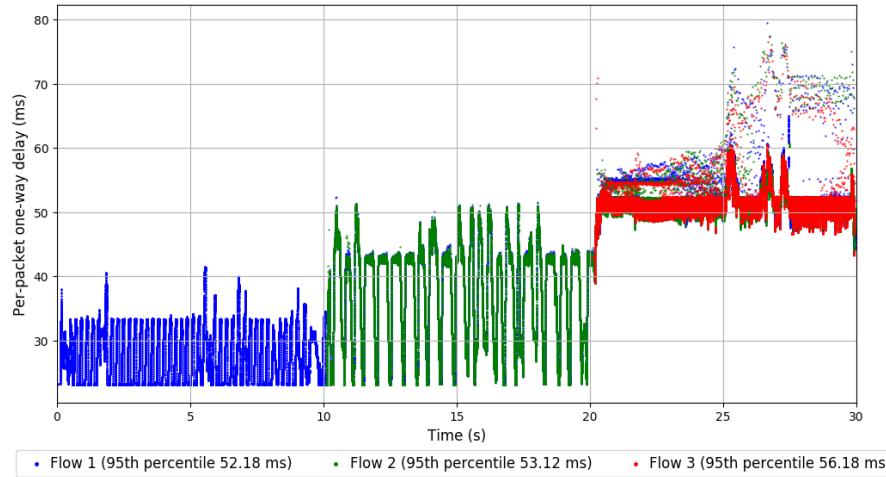
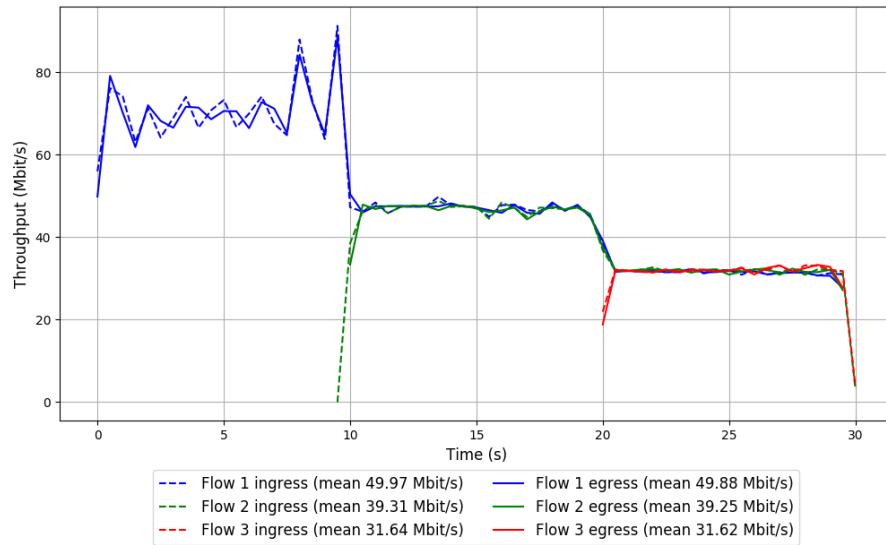


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-13 15:13:30
End at: 2018-02-13 15:14:00
Local clock offset: 0.822 ms
Remote clock offset: 11.305 ms

# Below is generated by plot.py at 2018-02-13 22:08:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 52.653 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 52.176 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 53.116 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 56.179 ms
Loss rate: 1.68%
```

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

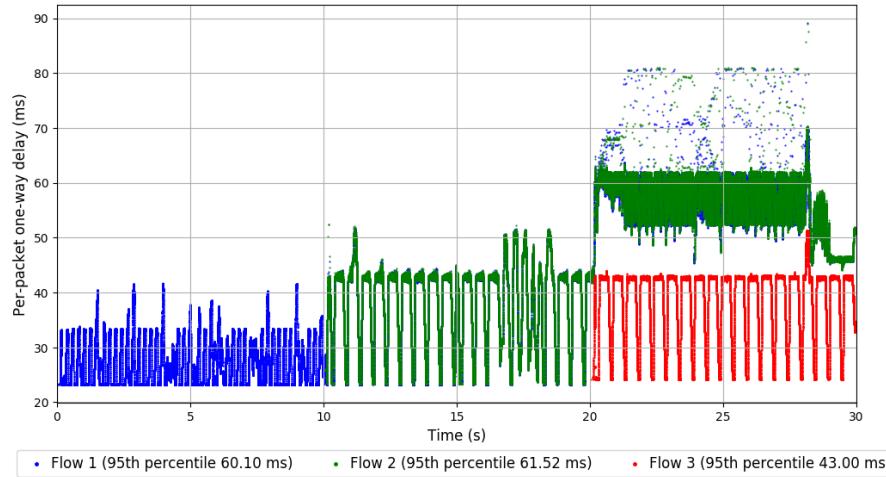
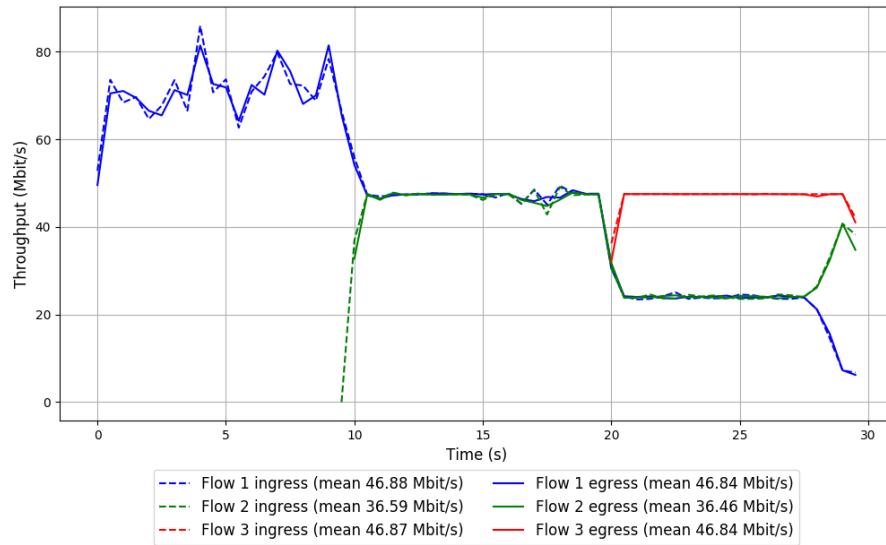


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-13 15:38:19
End at: 2018-02-13 15:38:49
Local clock offset: 0.364 ms
Remote clock offset: 14.854 ms

# Below is generated by plot.py at 2018-02-13 22:08:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 60.363 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 60.100 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 61.516 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 42.998 ms
Loss rate: 0.61%
```

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

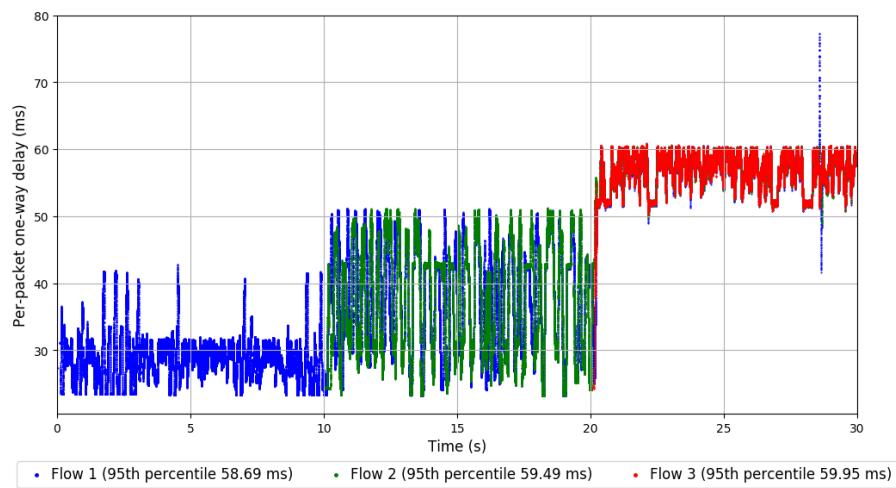
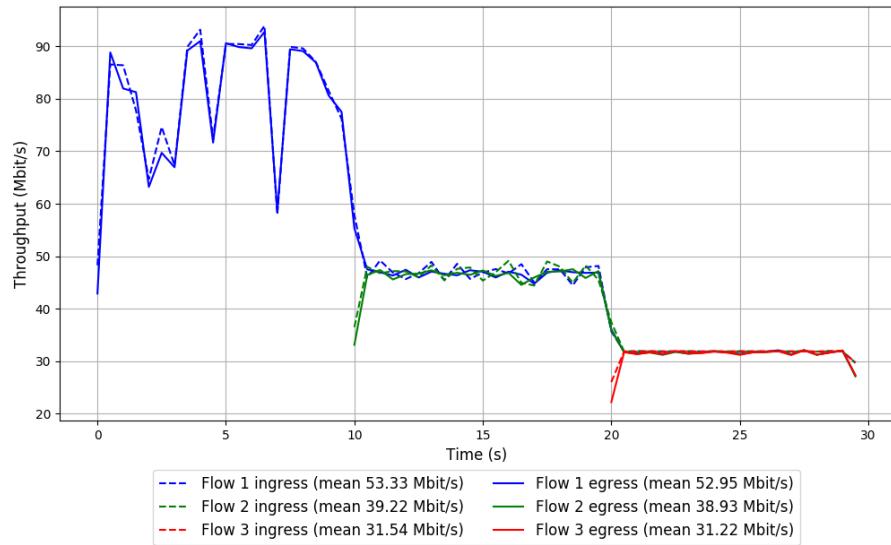


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-13 16:04:34
End at: 2018-02-13 16:05:04
Local clock offset: -0.664 ms
Remote clock offset: 14.321 ms

# Below is generated by plot.py at 2018-02-13 22:08:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 59.371 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 58.685 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 59.491 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 59.948 ms
Loss rate: 1.68%
```

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

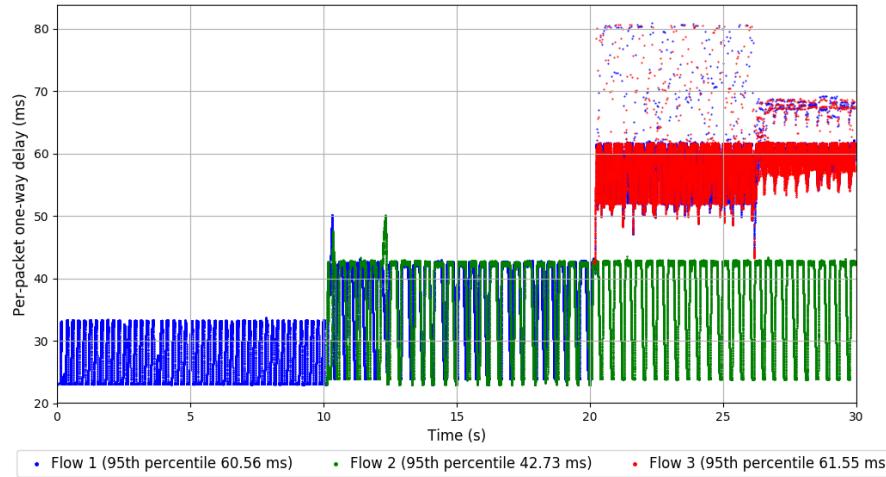
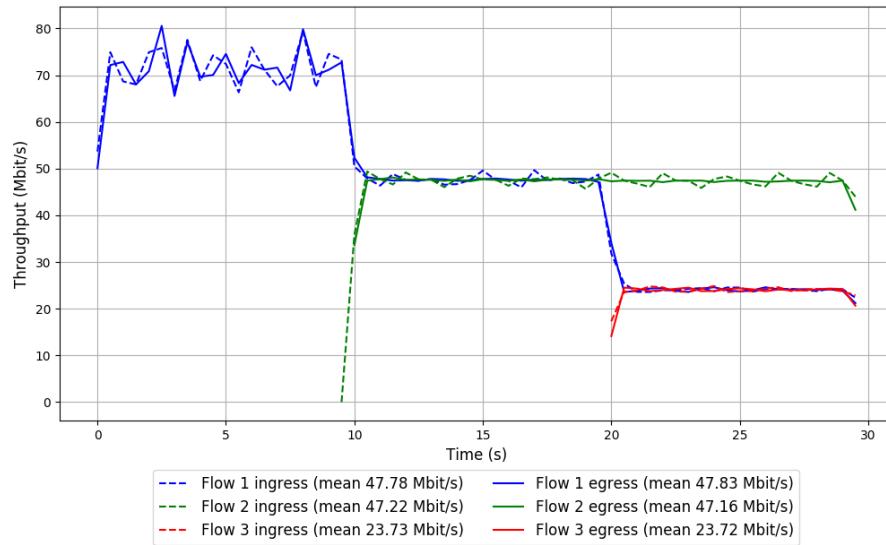


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-13 16:30:05
End at: 2018-02-13 16:30:35
Local clock offset: -0.908 ms
Remote clock offset: 7.422 ms

# Below is generated by plot.py at 2018-02-13 22:08:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 60.561 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 60.556 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 42.730 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 61.548 ms
Loss rate: 0.98%
```

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

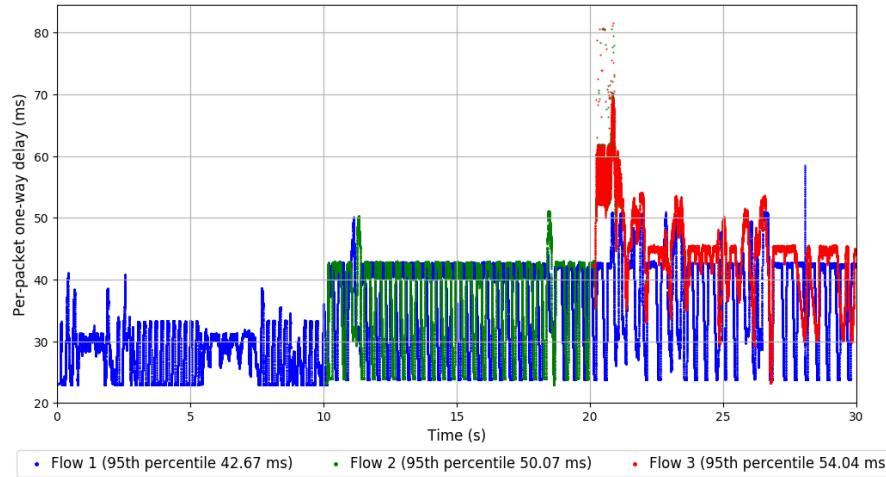
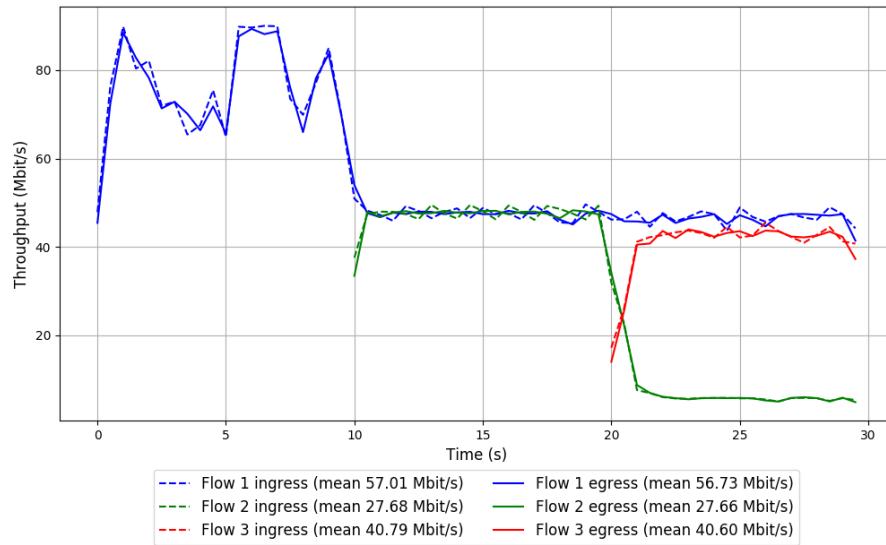


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-13 16:54:45
End at: 2018-02-13 16:55:15
Local clock offset: 1.294 ms
Remote clock offset: 8.255 ms

# Below is generated by plot.py at 2018-02-13 22:10:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 48.537 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 42.674 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 50.069 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 54.041 ms
Loss rate: 1.21%
```

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

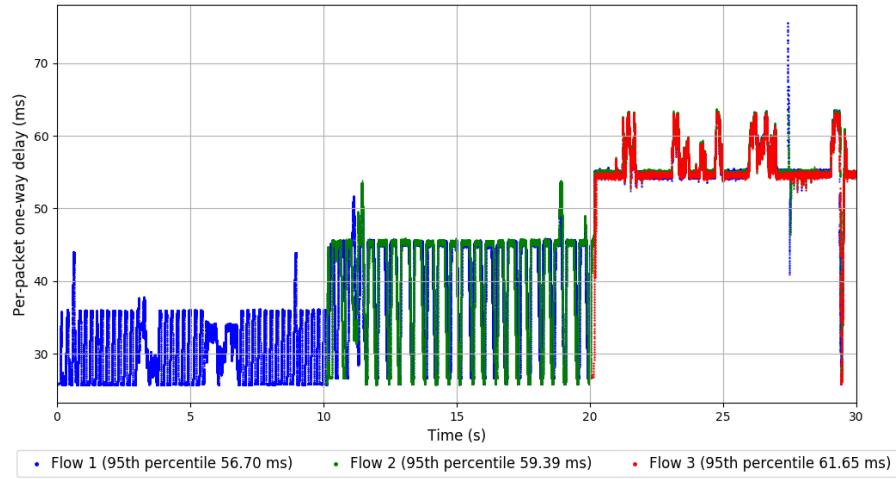
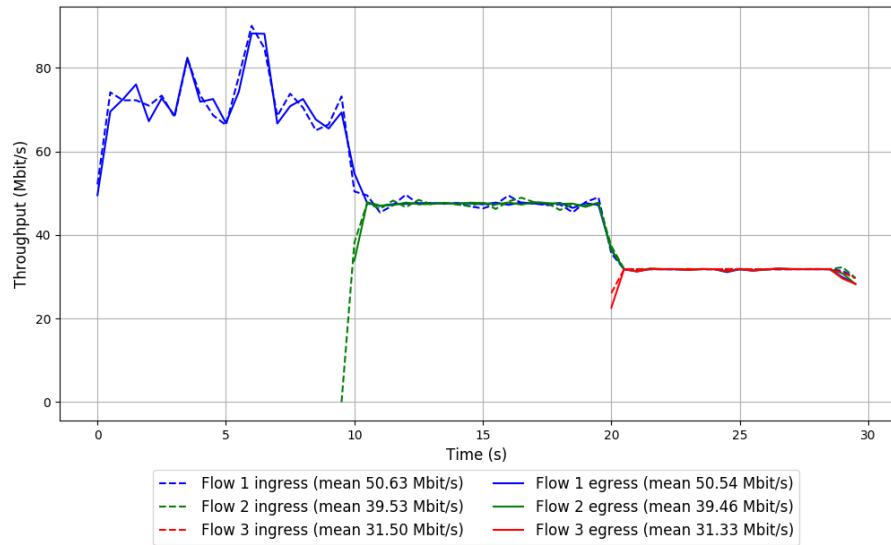


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-13 17:19:22
End at: 2018-02-13 17:19:52
Local clock offset: 2.116 ms
Remote clock offset: 5.328 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 58.909 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 50.54 Mbit/s
95th percentile per-packet one-way delay: 56.696 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 59.392 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 61.645 ms
Loss rate: 1.22%
```

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

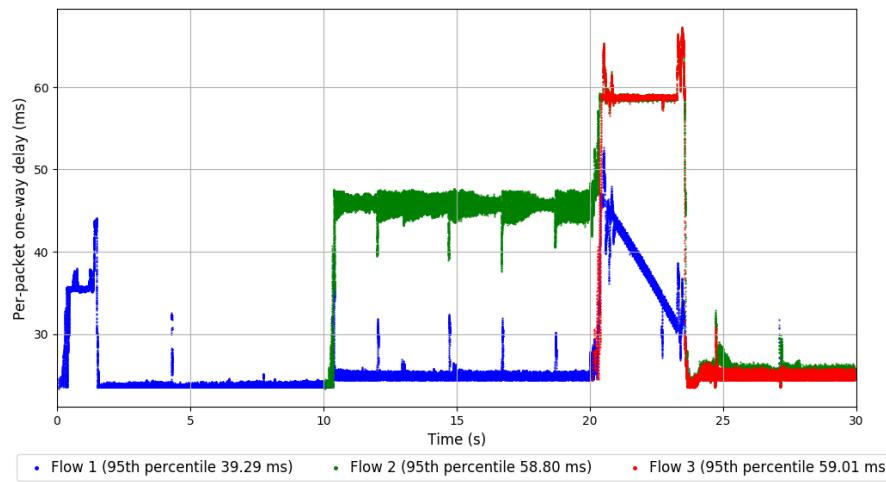
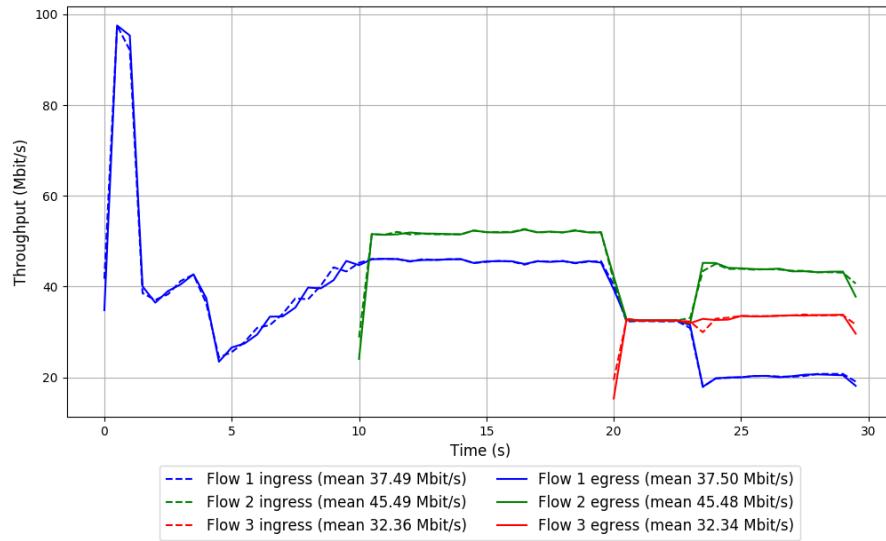


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-13 13:33:06
End at: 2018-02-13 13:33:36
Local clock offset: -0.541 ms
Remote clock offset: 2.049 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 58.736 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 39.291 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 58.803 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 59.010 ms
Loss rate: 0.61%
```

Run 1: Report of TCP Vegas — Data Link

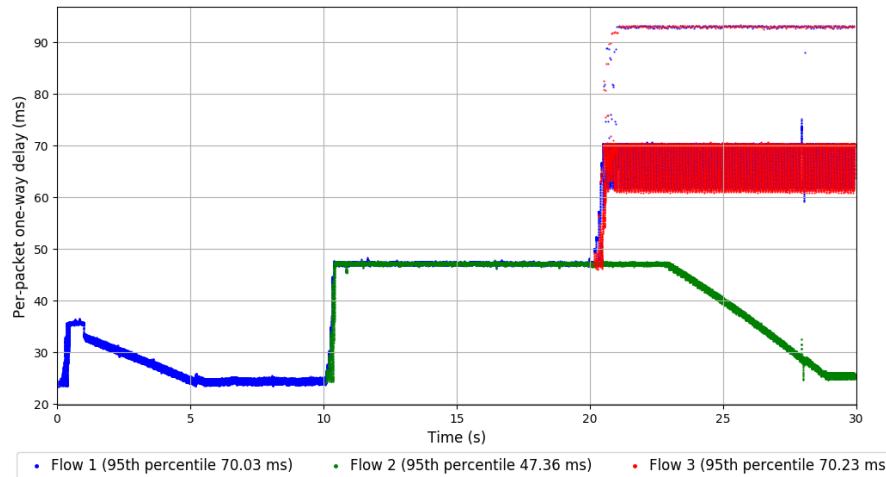
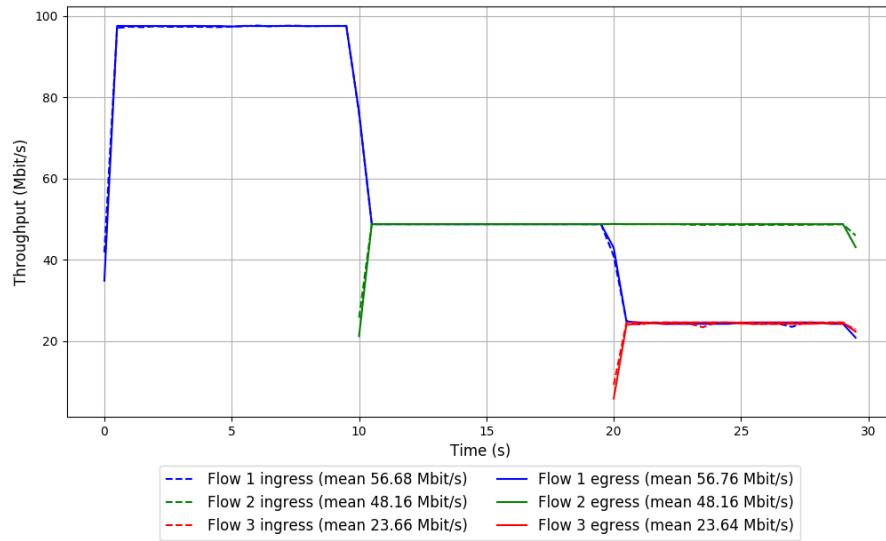


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-13 13:57:41
End at: 2018-02-13 13:58:11
Local clock offset: 0.749 ms
Remote clock offset: 1.764 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 70.043 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 70.026 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 47.360 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 70.233 ms
Loss rate: 0.97%
```

Run 2: Report of TCP Vegas — Data Link

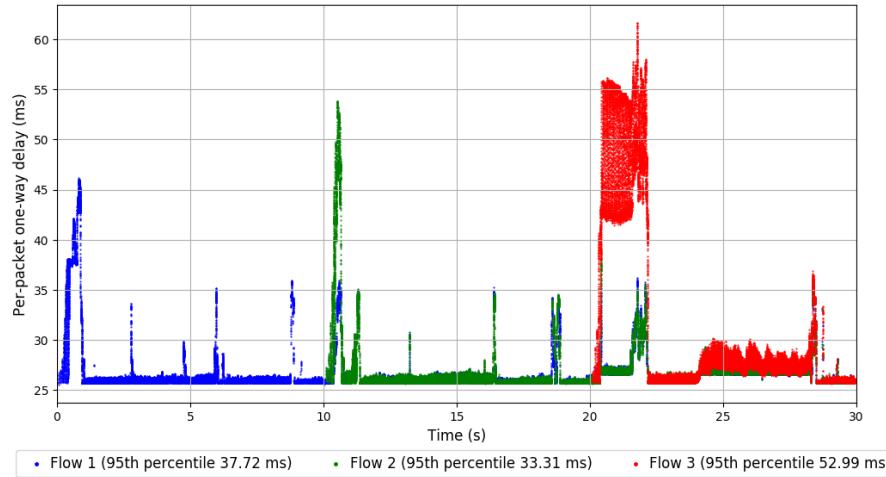
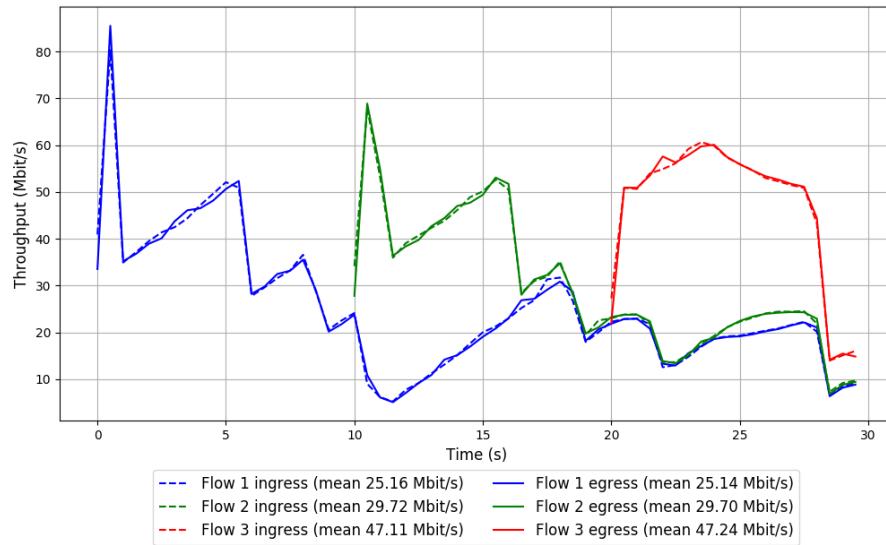


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-13 14:22:13
End at: 2018-02-13 14:22:43
Local clock offset: 2.254 ms
Remote clock offset: -0.181 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.51 Mbit/s
95th percentile per-packet one-way delay: 43.967 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 37.724 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 33.315 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 52.987 ms
Loss rate: 0.28%
```

Run 3: Report of TCP Vegas — Data Link

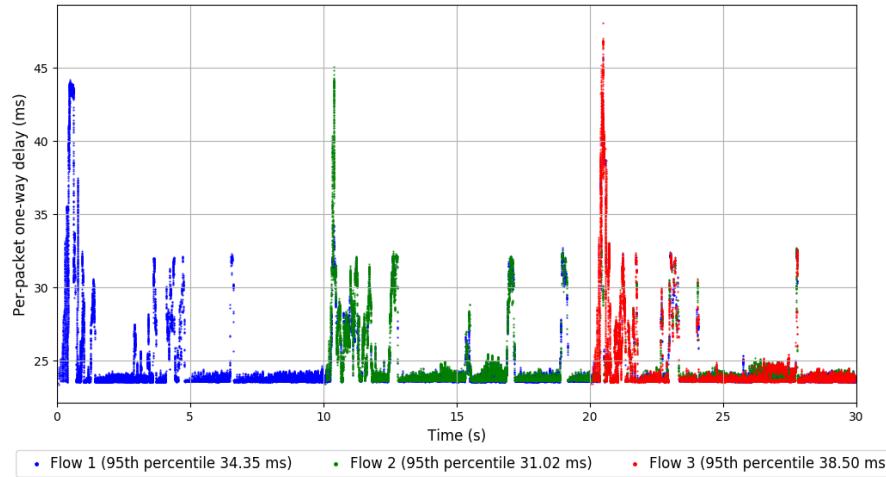
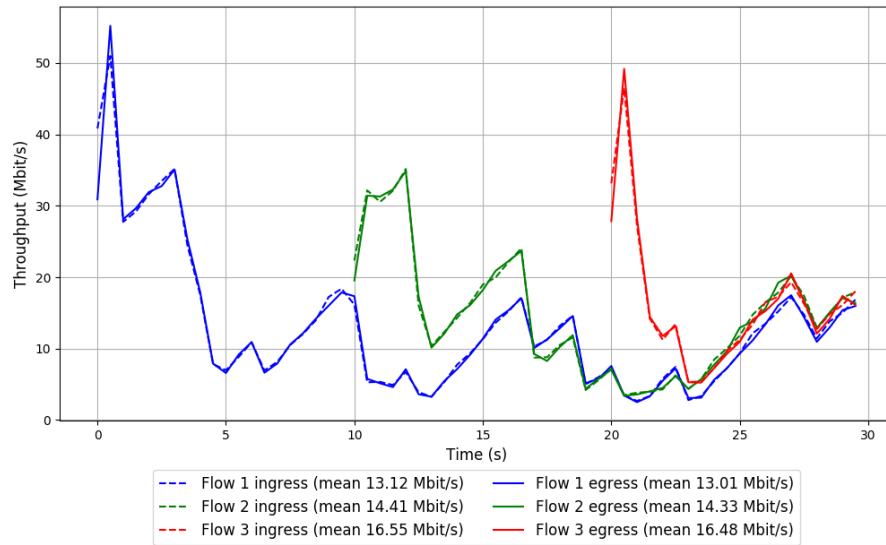


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-13 14:47:14
End at: 2018-02-13 14:47:44
Local clock offset: 0.866 ms
Remote clock offset: 1.82 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.99 Mbit/s
95th percentile per-packet one-way delay: 32.371 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 34.351 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 14.33 Mbit/s
95th percentile per-packet one-way delay: 31.019 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 38.499 ms
Loss rate: 0.97%
```

Run 4: Report of TCP Vegas — Data Link

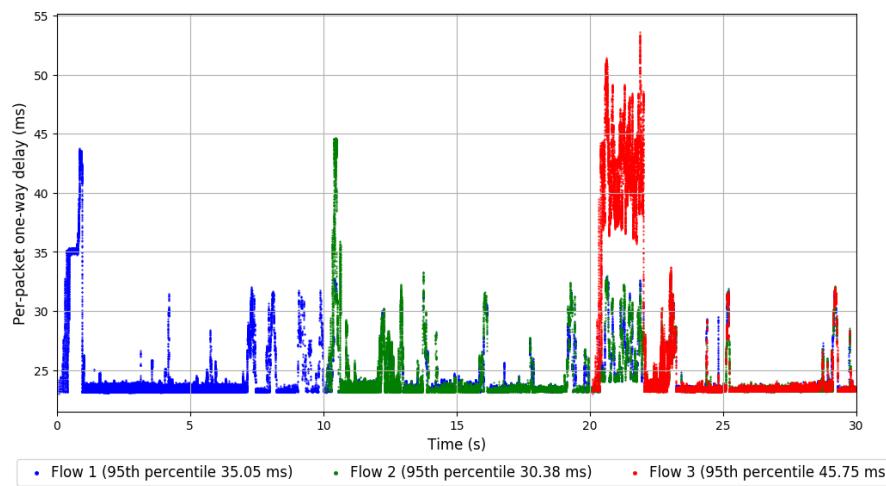
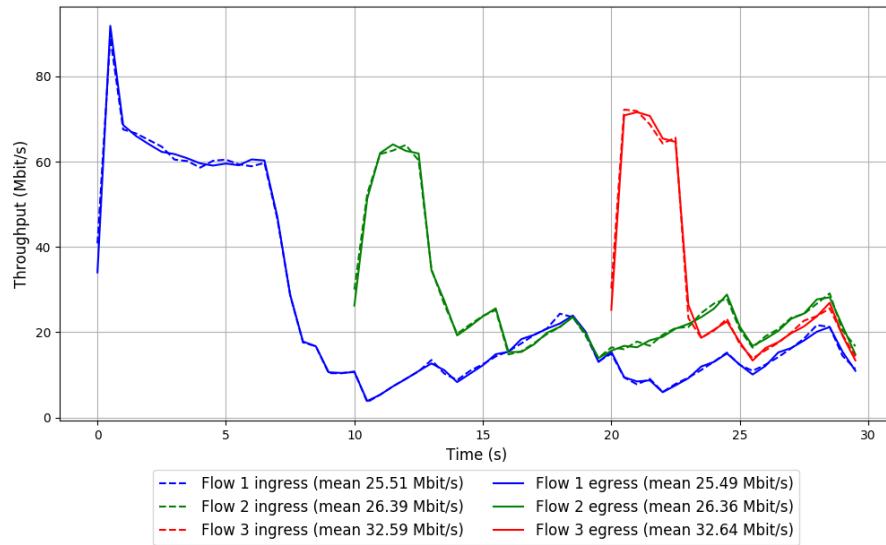


Run 5: Statistics of TCP Vegas

```
Start at: 2018-02-13 15:12:10
End at: 2018-02-13 15:12:40
Local clock offset: 0.829 ms
Remote clock offset: 11.076 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 41.158 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 35.055 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 30.383 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 45.751 ms
Loss rate: 0.38%
```

Run 5: Report of TCP Vegas — Data Link

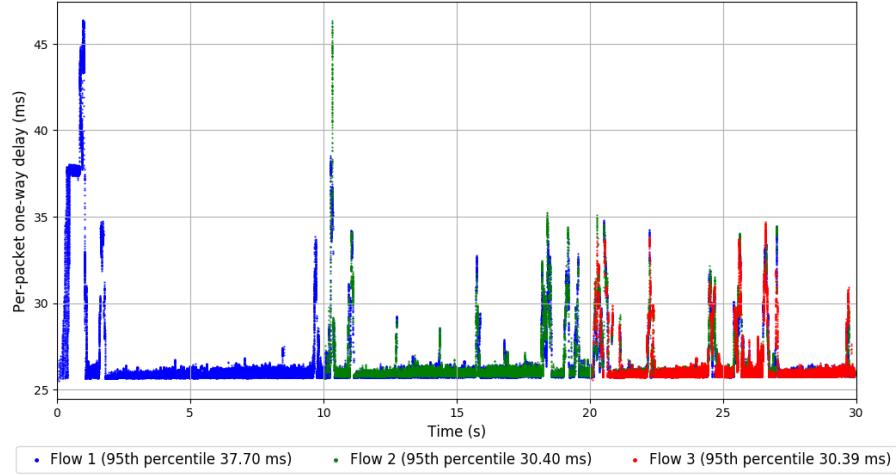
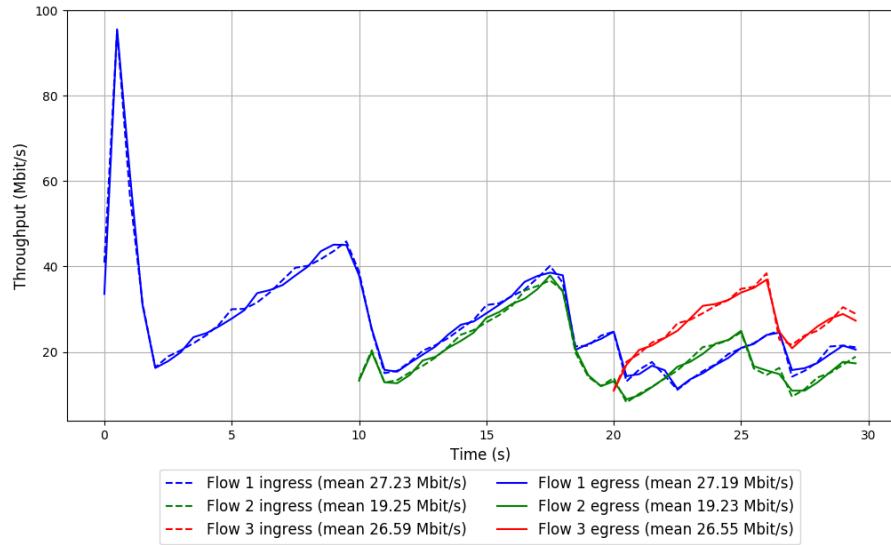


Run 6: Statistics of TCP Vegas

```
Start at: 2018-02-13 15:36:59
End at: 2018-02-13 15:37:29
Local clock offset: 0.49 ms
Remote clock offset: 12.25 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 33.867 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 27.19 Mbit/s
95th percentile per-packet one-way delay: 37.695 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 30.399 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 30.390 ms
Loss rate: 0.69%
```

Run 6: Report of TCP Vegas — Data Link

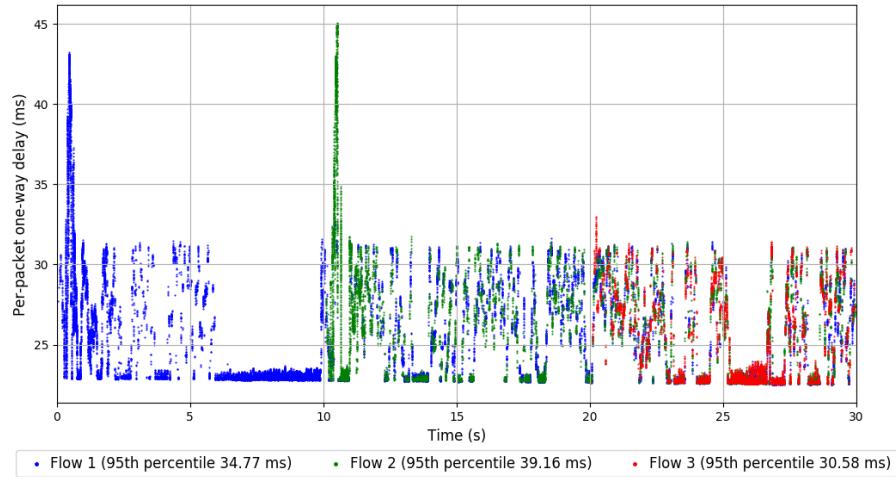
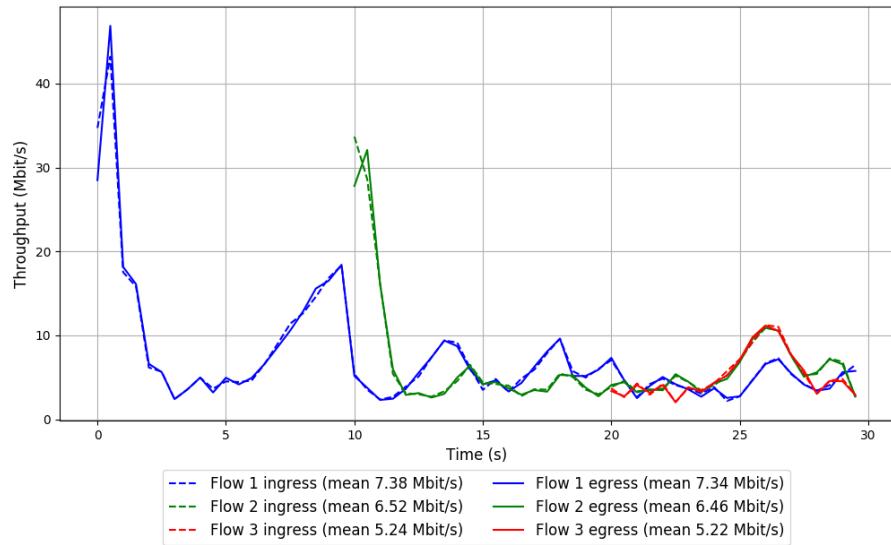


Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-13 16:03:14
End at: 2018-02-13 16:03:44
Local clock offset: -0.738 ms
Remote clock offset: 15.821 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 34.735 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 34.772 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 39.161 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 30.579 ms
Loss rate: 0.90%
```

Run 7: Report of TCP Vegas — Data Link

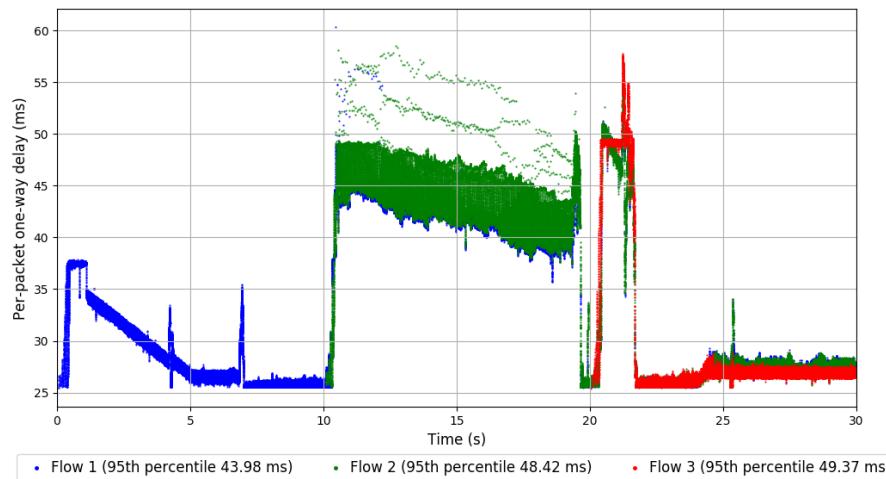
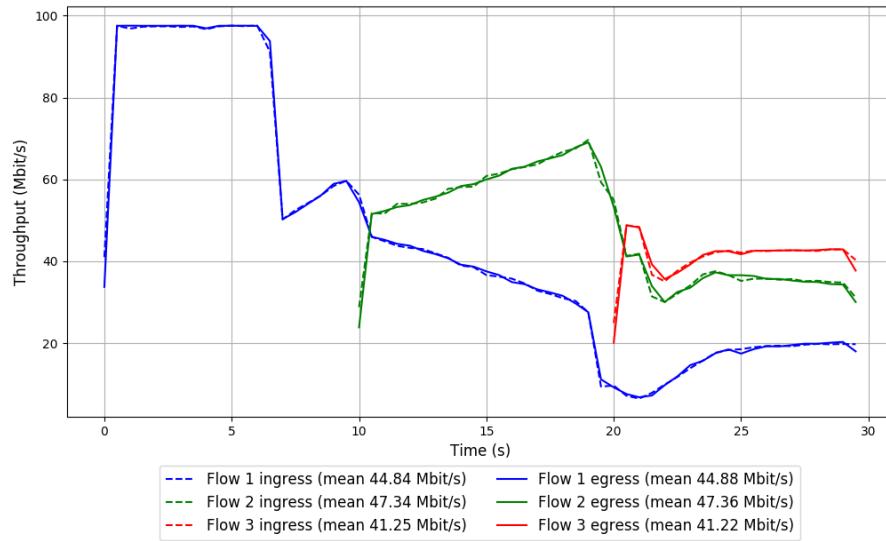


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-13 16:28:44
End at: 2018-02-13 16:29:14
Local clock offset: -0.839 ms
Remote clock offset: 5.122 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 47.778 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 43.978 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 48.425 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 49.372 ms
Loss rate: 0.60%
```

Run 8: Report of TCP Vegas — Data Link

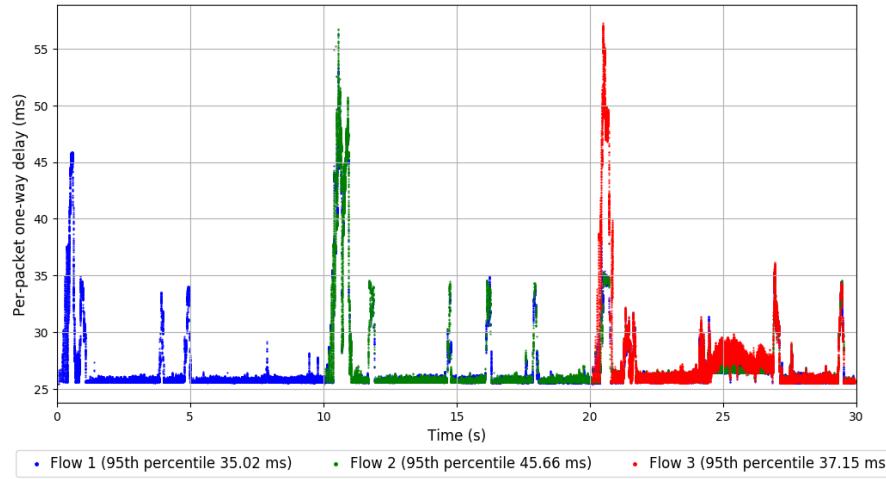
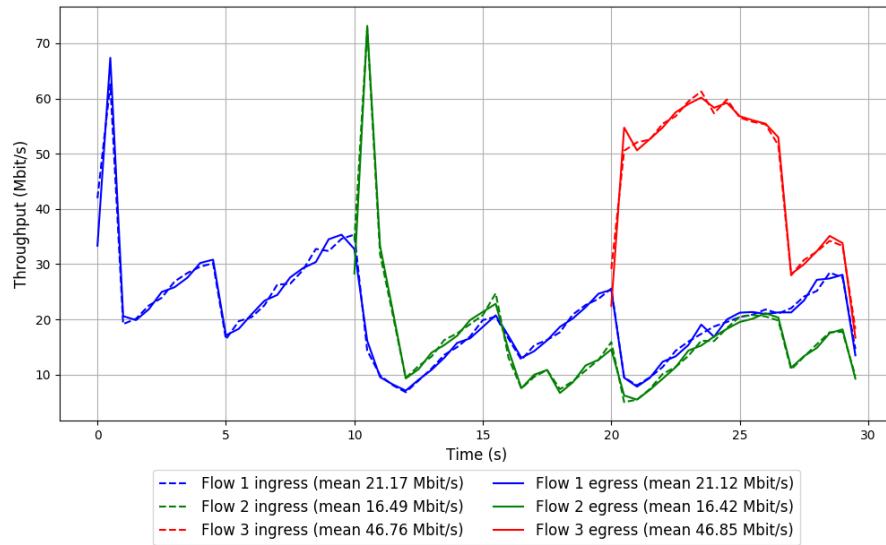


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-13 16:53:25
End at: 2018-02-13 16:53:55
Local clock offset: 1.215 ms
Remote clock offset: 5.78 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 40.505 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 35.019 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 45.658 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 37.145 ms
Loss rate: 0.39%
```

Run 9: Report of TCP Vegas — Data Link

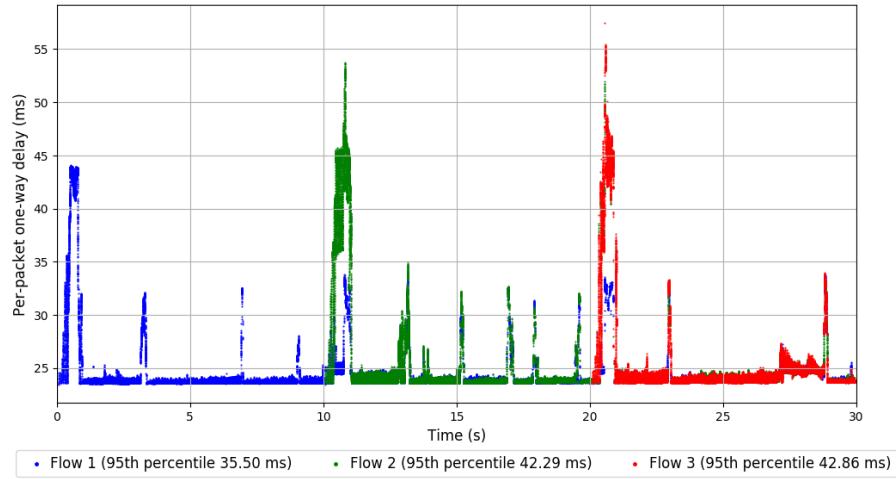
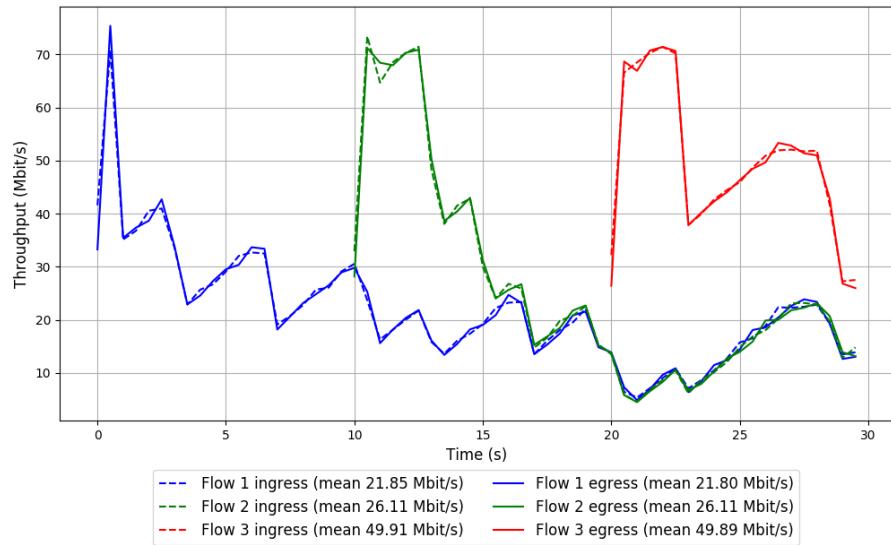


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-13 17:18:01
End at: 2018-02-13 17:18:31
Local clock offset: 2.25 ms
Remote clock offset: 7.422 ms

# Below is generated by plot.py at 2018-02-13 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 41.418 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 35.504 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 42.288 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 42.858 ms
Loss rate: 0.59%
```

Run 10: Report of TCP Vegas — Data Link

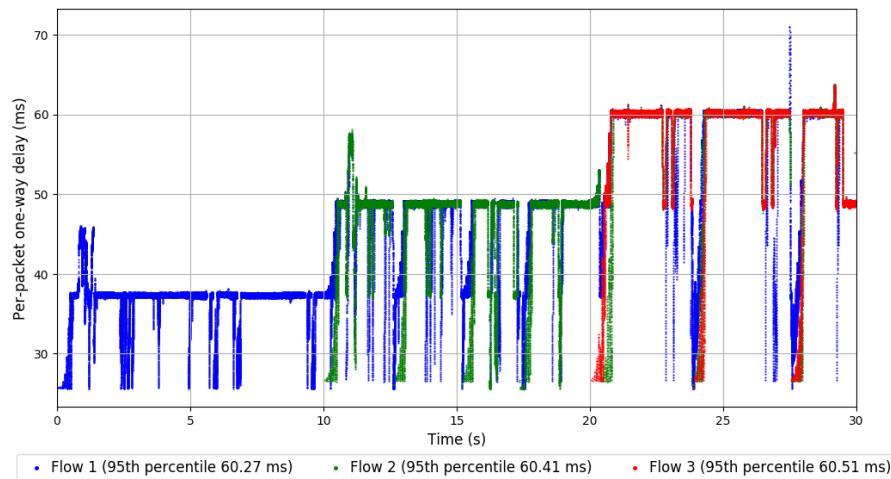
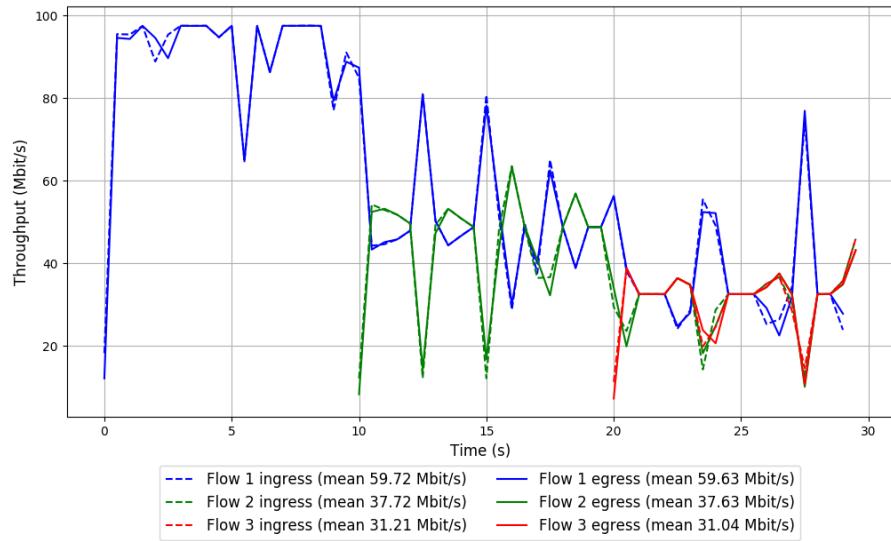


Run 1: Statistics of Verus

```
Start at: 2018-02-13 13:45:18
End at: 2018-02-13 13:45:48
Local clock offset: -0.745 ms
Remote clock offset: 0.461 ms

# Below is generated by plot.py at 2018-02-13 22:11:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 60.374 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 60.265 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 60.406 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 60.514 ms
Loss rate: 1.21%
```

Run 1: Report of Verus — Data Link

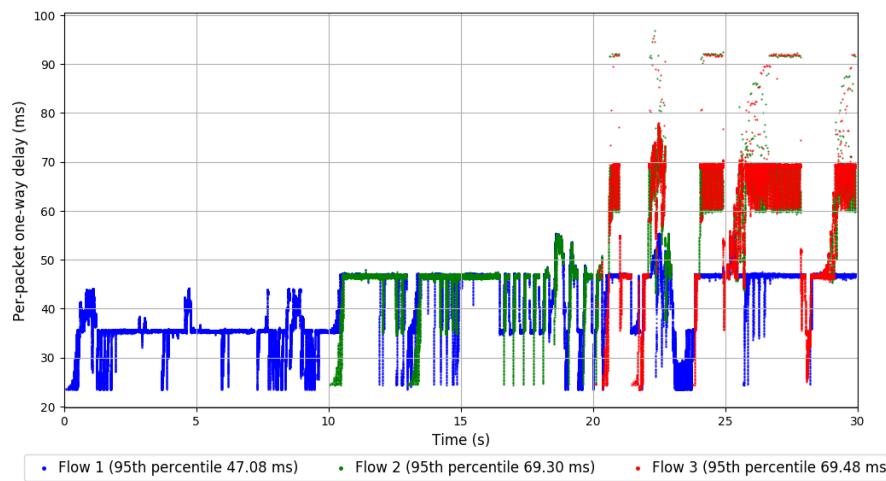
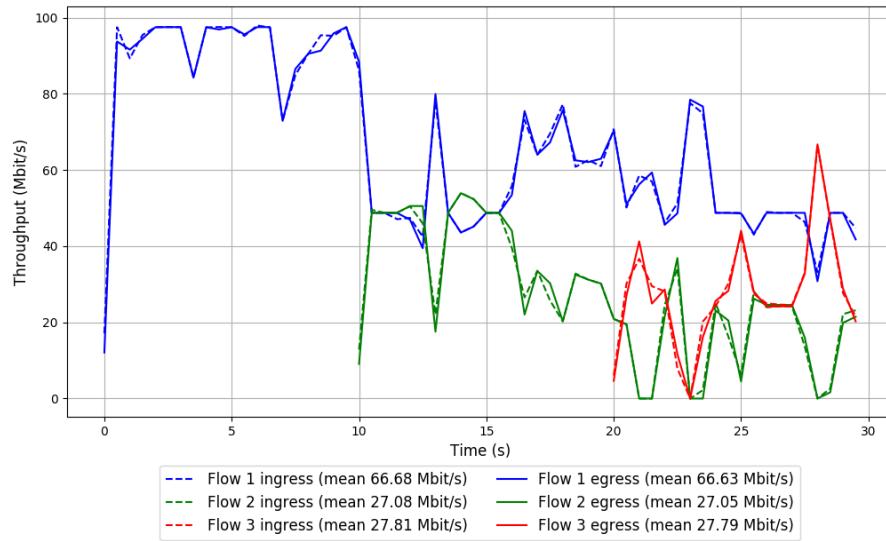


Run 2: Statistics of Verus

```
Start at: 2018-02-13 14:09:57
End at: 2018-02-13 14:10:27
Local clock offset: 1.866 ms
Remote clock offset: 1.891 ms

# Below is generated by plot.py at 2018-02-13 22:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 67.251 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 47.079 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 27.05 Mbit/s
95th percentile per-packet one-way delay: 69.304 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 27.79 Mbit/s
95th percentile per-packet one-way delay: 69.485 ms
Loss rate: 0.89%
```

Run 2: Report of Verus — Data Link

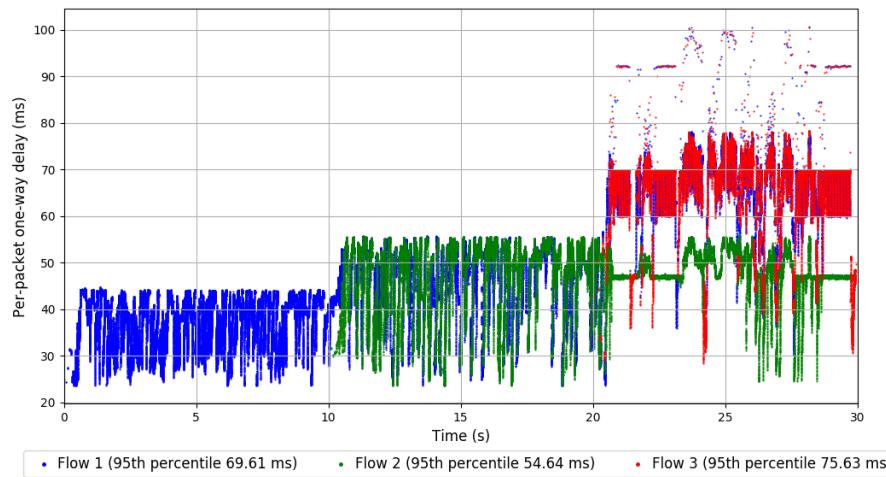
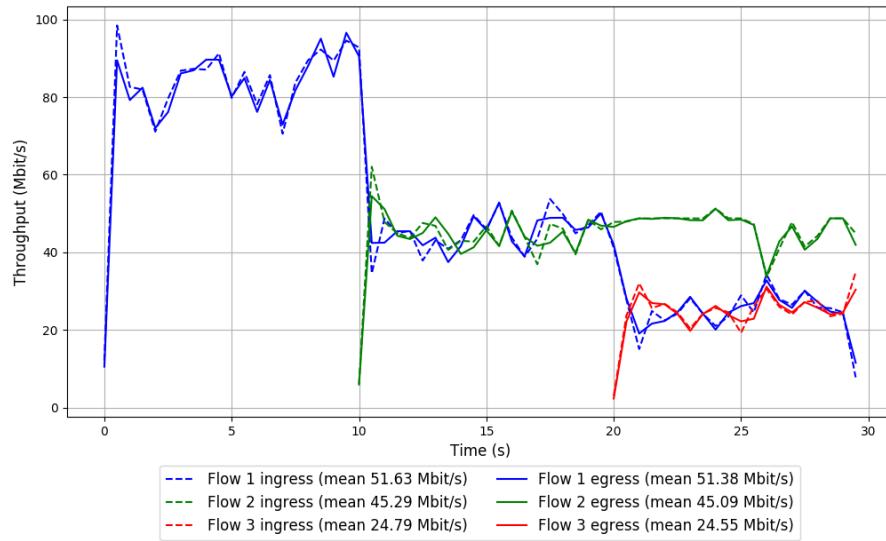


Run 3: Statistics of Verus

```
Start at: 2018-02-13 14:34:34
End at: 2018-02-13 14:35:04
Local clock offset: 1.445 ms
Remote clock offset: 1.808 ms

# Below is generated by plot.py at 2018-02-13 22:11:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 69.684 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 69.610 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 54.644 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 75.626 ms
Loss rate: 1.79%
```

Run 3: Report of Verus — Data Link

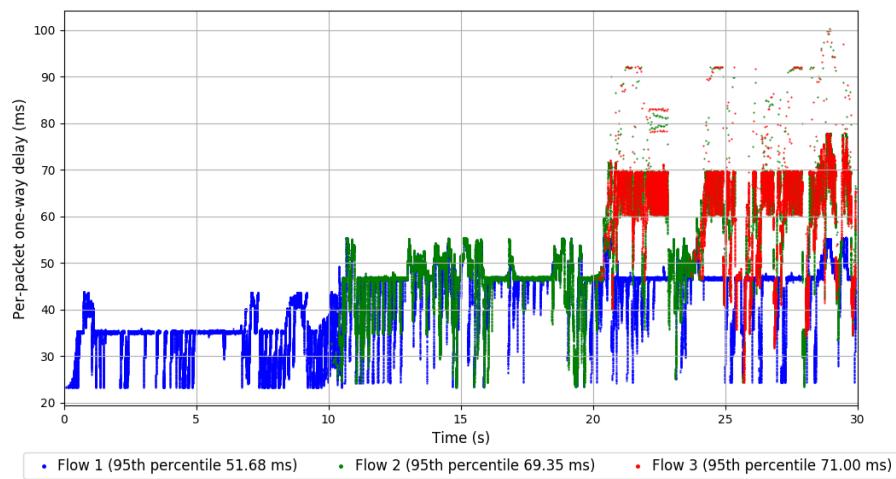
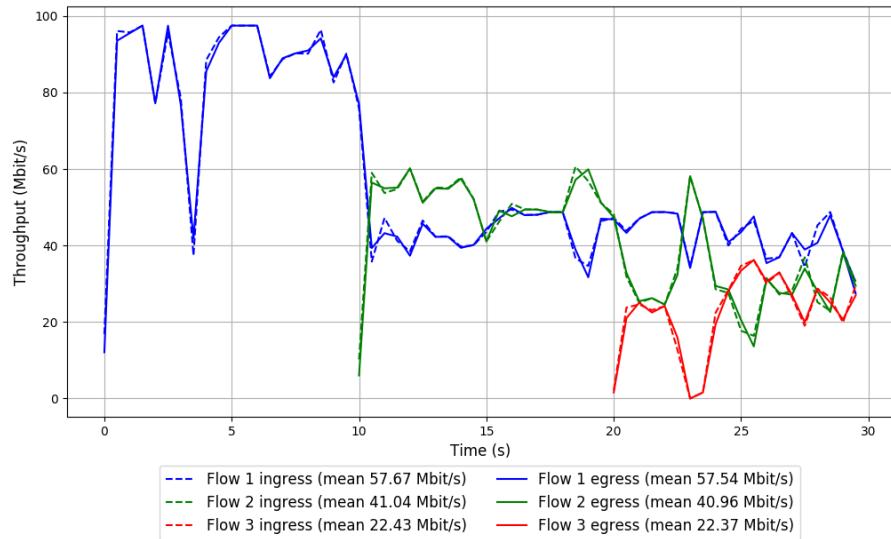


Run 4: Statistics of Verus

```
Start at: 2018-02-13 14:59:34
End at: 2018-02-13 15:00:04
Local clock offset: 0.705 ms
Remote clock offset: 7.05 ms

# Below is generated by plot.py at 2018-02-13 22:11:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 67.834 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 51.683 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 69.353 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 22.37 Mbit/s
95th percentile per-packet one-way delay: 71.000 ms
Loss rate: 1.28%
```

Run 4: Report of Verus — Data Link

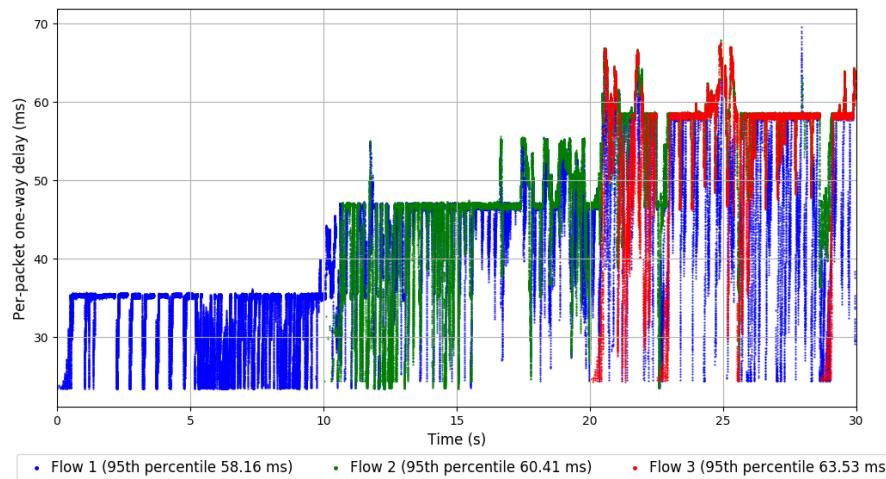
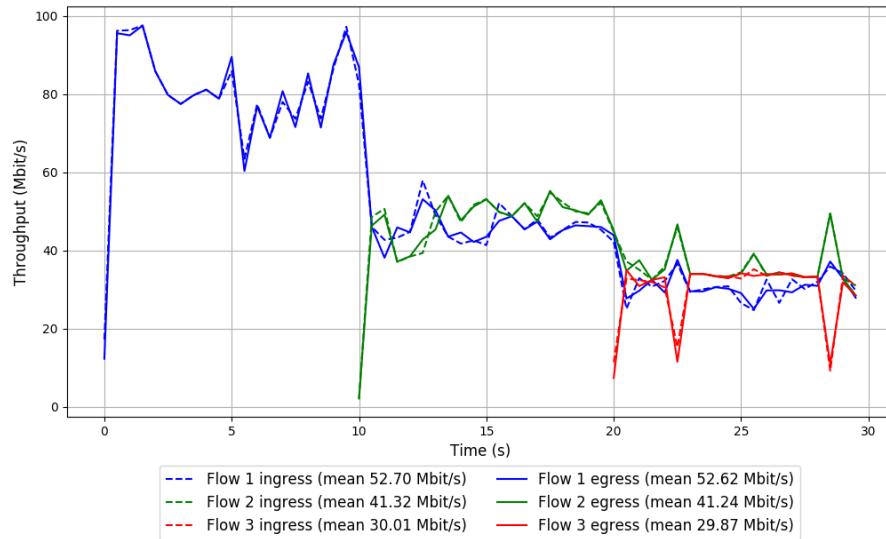


Run 5: Statistics of Verus

```
Start at: 2018-02-13 15:24:36
End at: 2018-02-13 15:25:06
Local clock offset: 0.89 ms
Remote clock offset: 12.725 ms

# Below is generated by plot.py at 2018-02-13 22:11:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 58.739 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 52.62 Mbit/s
95th percentile per-packet one-way delay: 58.162 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 41.24 Mbit/s
95th percentile per-packet one-way delay: 60.406 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 63.533 ms
Loss rate: 1.17%
```

Run 5: Report of Verus — Data Link

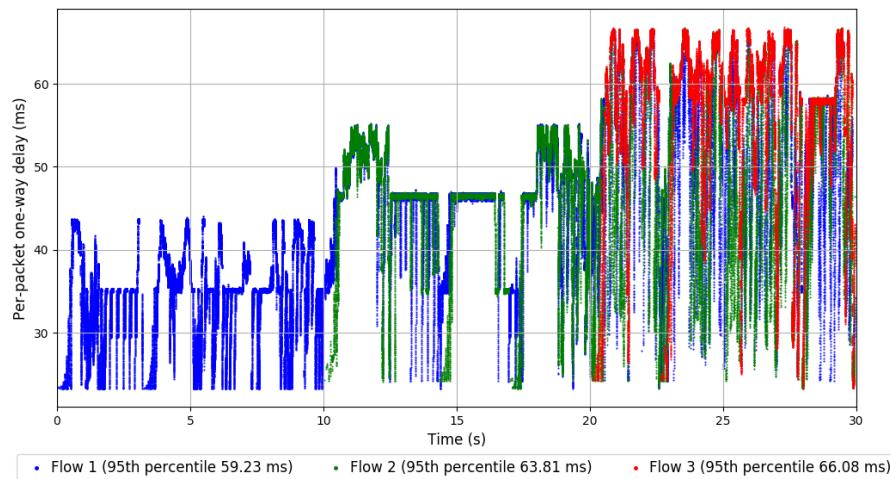
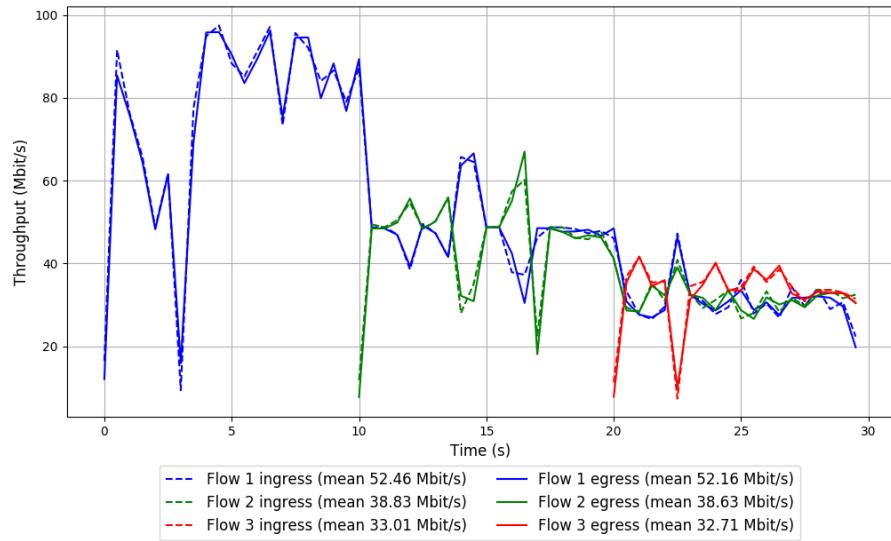


Run 6: Statistics of Verus

```
Start at: 2018-02-13 15:49:29
End at: 2018-02-13 15:49:59
Local clock offset: -0.411 ms
Remote clock offset: 16.132 ms

# Below is generated by plot.py at 2018-02-13 22:12:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 64.036 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 52.16 Mbit/s
95th percentile per-packet one-way delay: 59.233 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 63.812 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 66.084 ms
Loss rate: 1.44%
```

Run 6: Report of Verus — Data Link

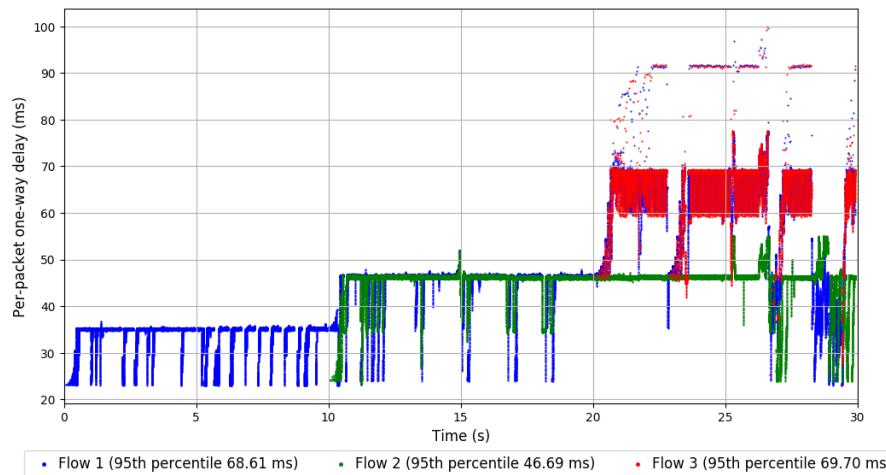
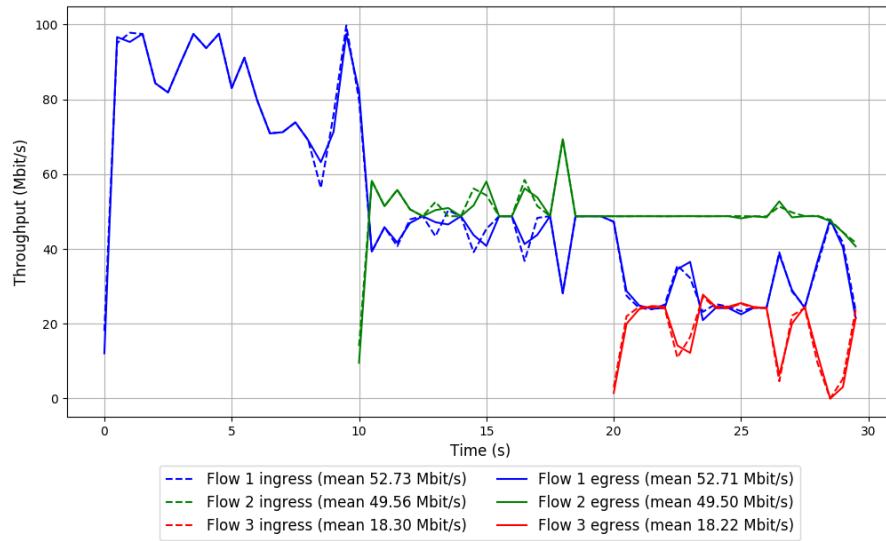


Run 7: Statistics of Verus

```
Start at: 2018-02-13 16:16:23
End at: 2018-02-13 16:16:53
Local clock offset: -0.743 ms
Remote clock offset: 9.587 ms

# Below is generated by plot.py at 2018-02-13 22:12:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 68.755 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 52.71 Mbit/s
95th percentile per-packet one-way delay: 68.609 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 46.691 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 69.699 ms
Loss rate: 1.34%
```

Run 7: Report of Verus — Data Link

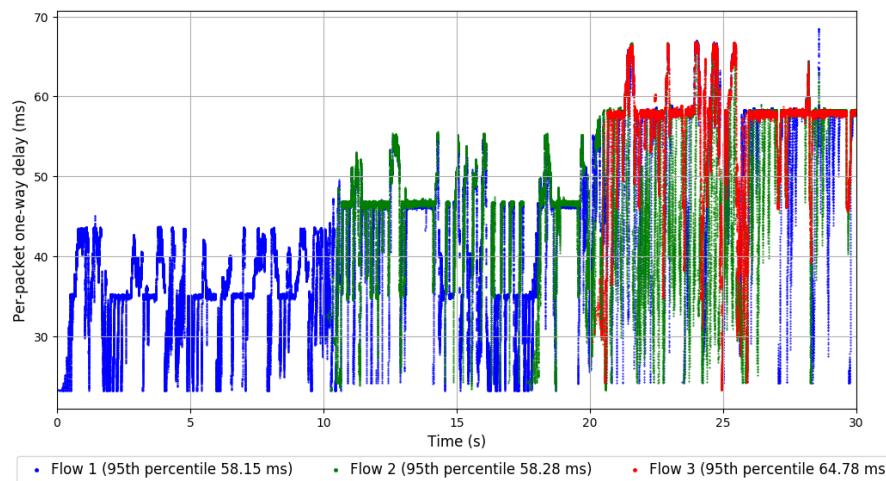
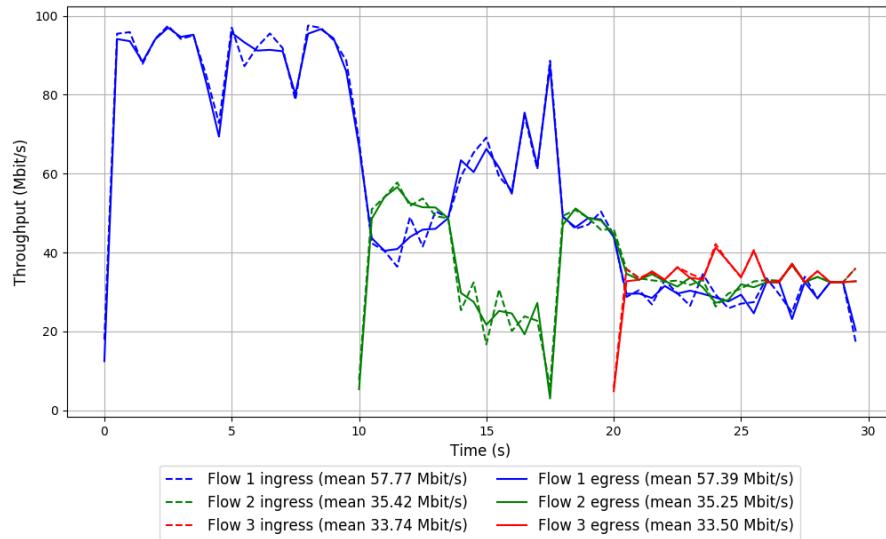


Run 8: Statistics of Verus

```
Start at: 2018-02-13 16:40:59
End at: 2018-02-13 16:41:29
Local clock offset: -0.891 ms
Remote clock offset: 8.019 ms

# Below is generated by plot.py at 2018-02-13 22:12:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 58.289 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 58.149 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 58.280 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 64.778 ms
Loss rate: 1.40%
```

Run 8: Report of Verus — Data Link

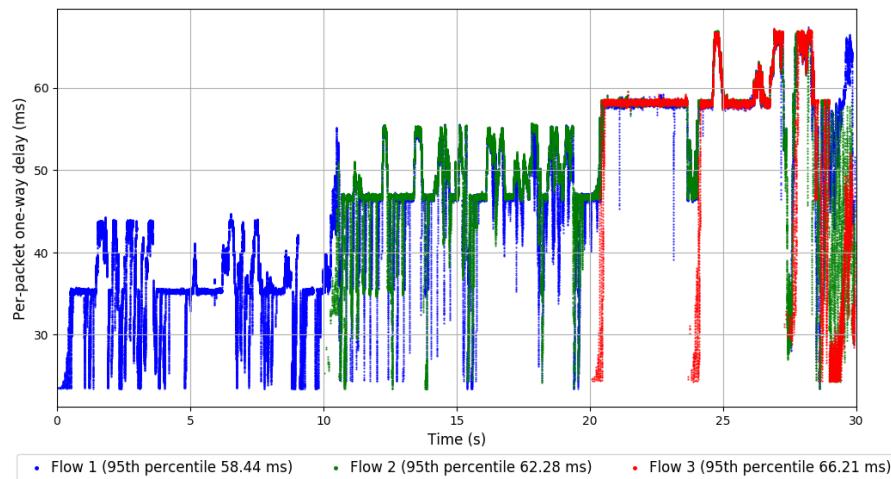
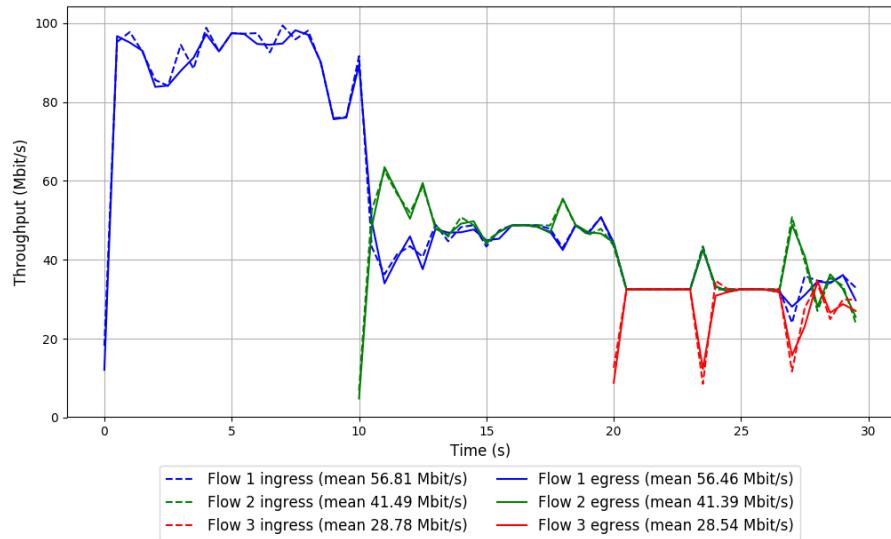


Run 9: Statistics of Verus

```
Start at: 2018-02-13 17:05:46
End at: 2018-02-13 17:06:16
Local clock offset: 2.219 ms
Remote clock offset: 7.091 ms

# Below is generated by plot.py at 2018-02-13 22:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 61.612 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 58.444 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 41.39 Mbit/s
95th percentile per-packet one-way delay: 62.282 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 66.212 ms
Loss rate: 1.31%
```

Run 9: Report of Verus — Data Link

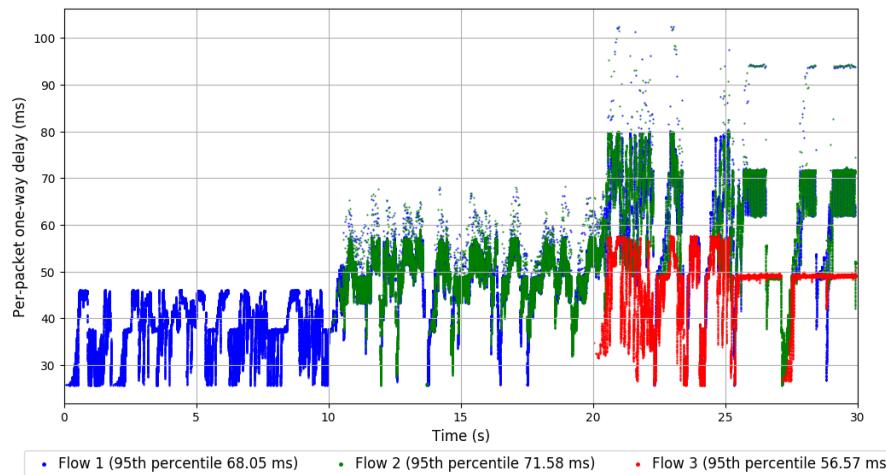
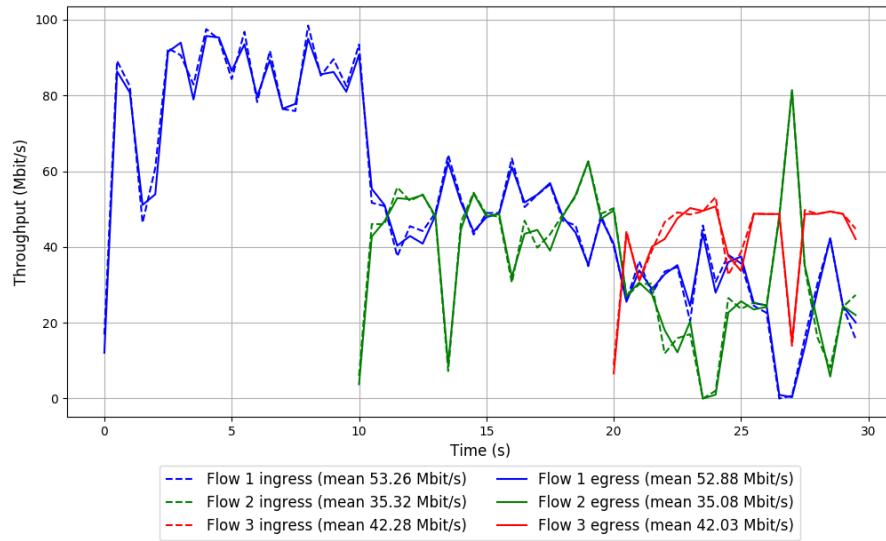


Run 10: Statistics of Verus

```
Start at: 2018-02-13 17:30:19
End at: 2018-02-13 17:30:49
Local clock offset: 1.347 ms
Remote clock offset: 5.733 ms

# Below is generated by plot.py at 2018-02-13 22:12:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 69.758 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 68.046 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 35.08 Mbit/s
95th percentile per-packet one-way delay: 71.577 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 56.567 ms
Loss rate: 1.32%
```

Run 10: Report of Verus — Data Link

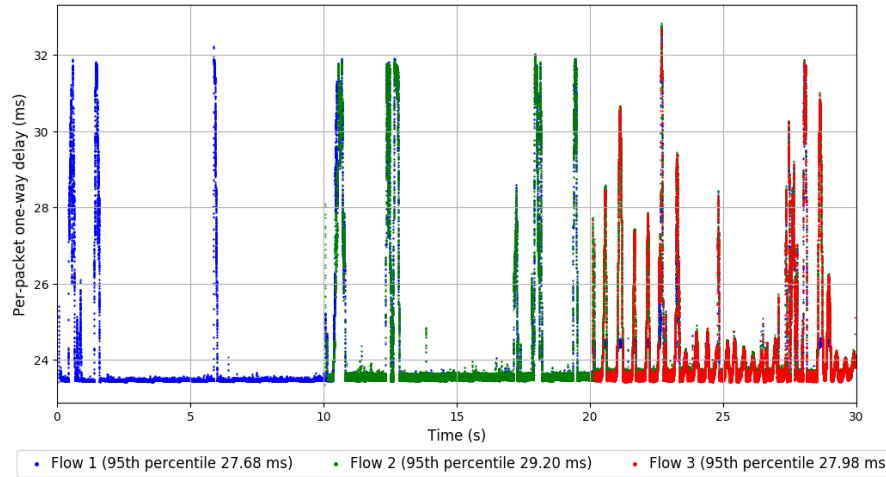
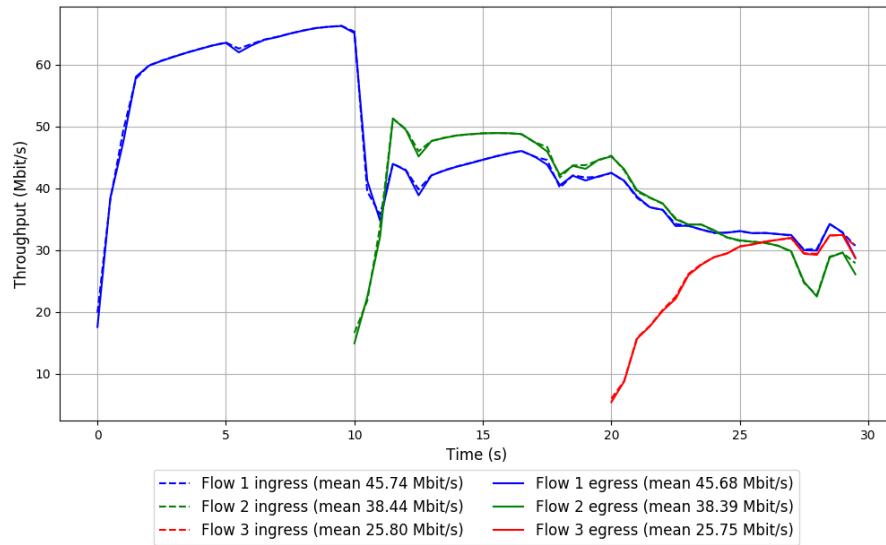


Run 1: Statistics of Copa

```
Start at: 2018-02-13 13:38:35
End at: 2018-02-13 13:39:05
Local clock offset: -0.606 ms
Remote clock offset: 2.354 ms

# Below is generated by plot.py at 2018-02-13 22:13:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 28.208 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 27.675 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 29.195 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 27.984 ms
Loss rate: 0.75%
```

Run 1: Report of Copa — Data Link

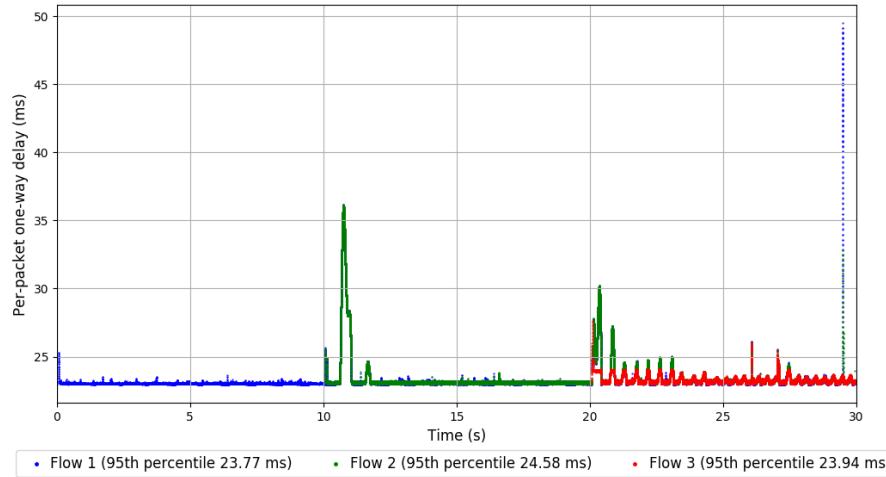
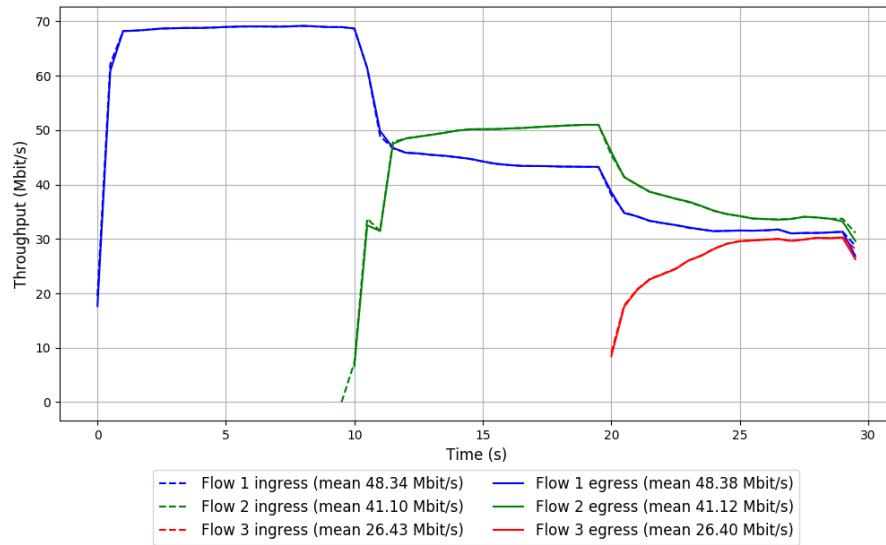


Run 2: Statistics of Copa

```
Start at: 2018-02-13 14:03:13
End at: 2018-02-13 14:03:43
Local clock offset: 1.439 ms
Remote clock offset: 2.278 ms

# Below is generated by plot.py at 2018-02-13 22:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 24.032 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 23.773 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 24.581 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 23.944 ms
Loss rate: 0.62%
```

Run 2: Report of Copa — Data Link

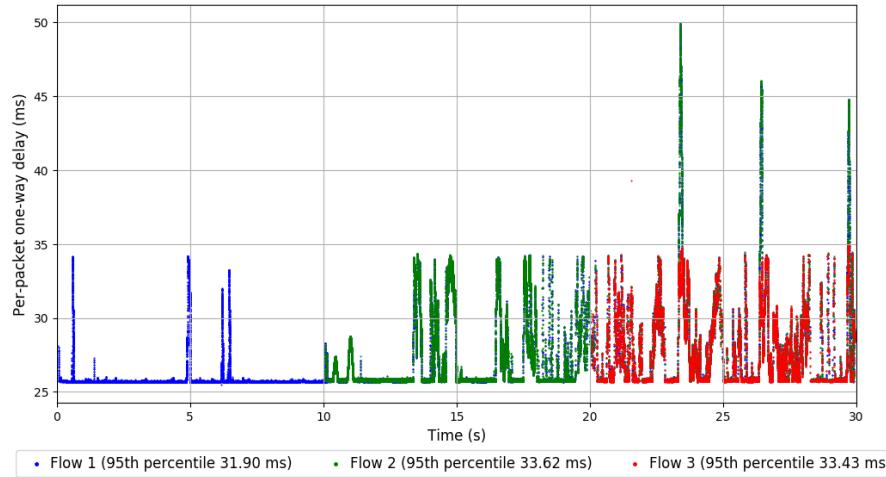
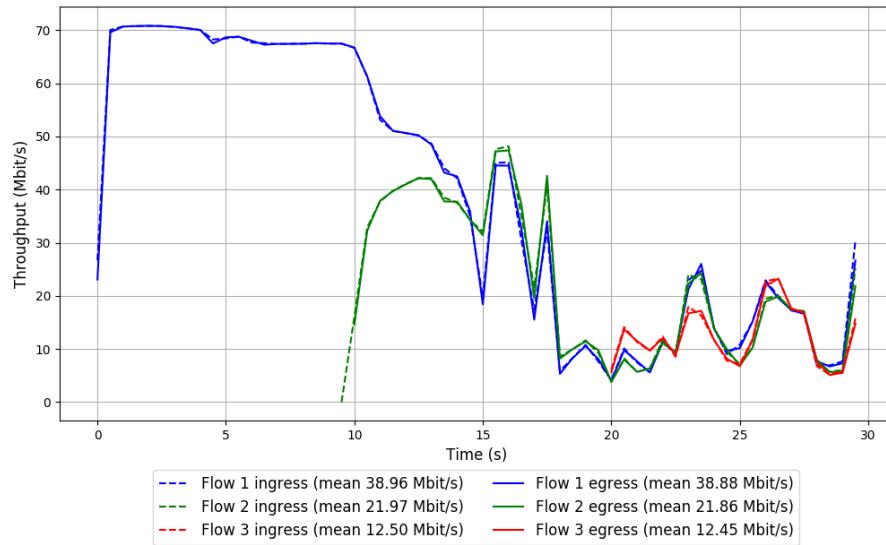


Run 3: Statistics of Copa

```
Start at: 2018-02-13 14:27:45
End at: 2018-02-13 14:28:15
Local clock offset: 2.014 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-02-13 22:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 32.796 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 31.896 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 33.622 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 33.428 ms
Loss rate: 0.97%
```

Run 3: Report of Copa — Data Link

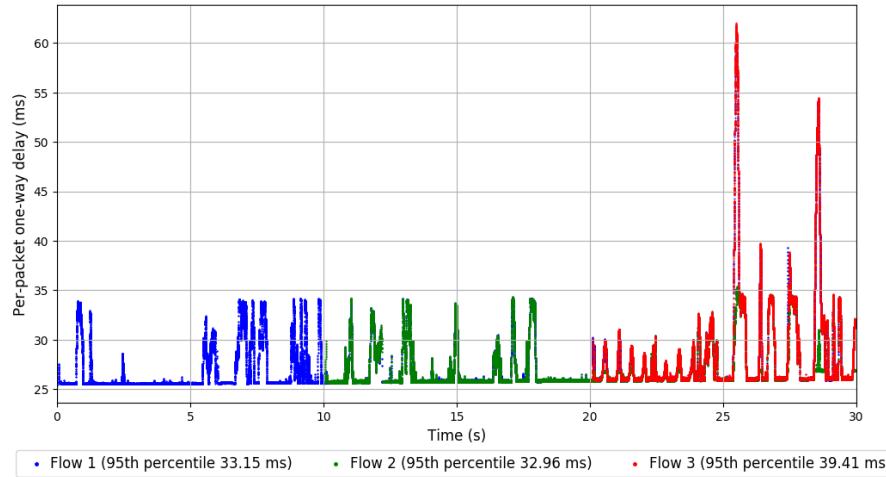
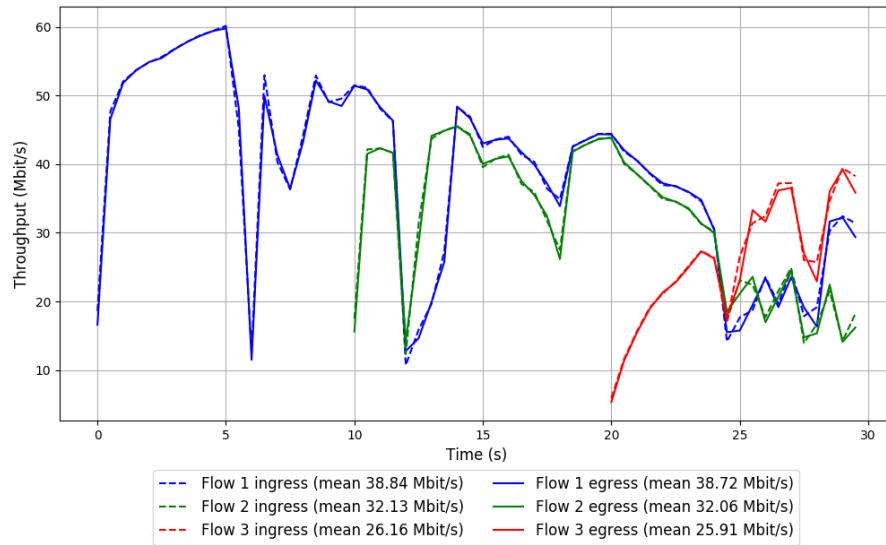


Run 4: Statistics of Copa

```
Start at: 2018-02-13 14:52:50
End at: 2018-02-13 14:53:20
Local clock offset: 0.724 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-02-13 22:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.63 Mbit/s
95th percentile per-packet one-way delay: 33.660 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 33.151 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 32.959 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 39.413 ms
Loss rate: 1.51%
```

Run 4: Report of Copa — Data Link

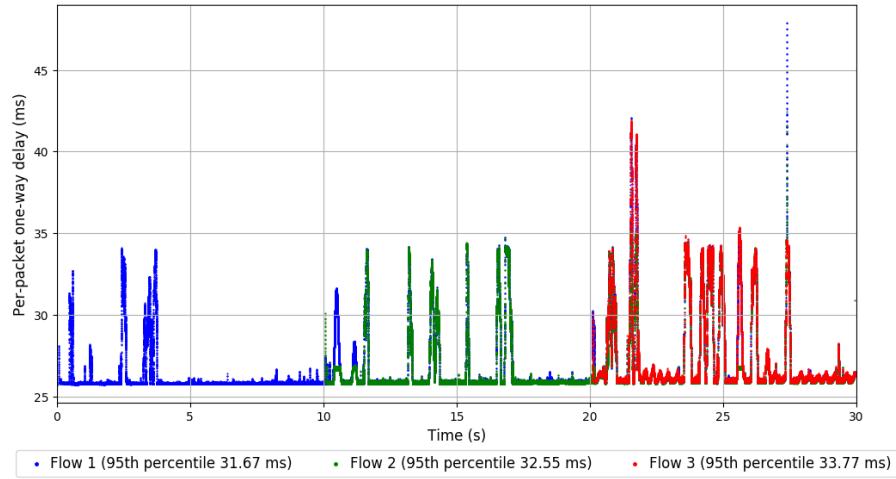
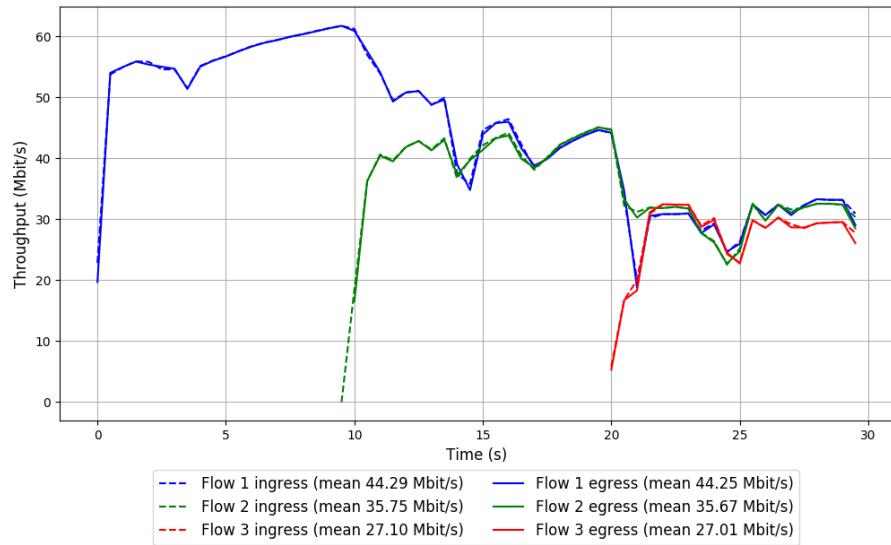


Run 5: Statistics of Copa

```
Start at: 2018-02-13 15:17:51
End at: 2018-02-13 15:18:21
Local clock offset: 0.97 ms
Remote clock offset: 9.558 ms

# Below is generated by plot.py at 2018-02-13 22:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 32.434 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 31.666 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 32.549 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 27.01 Mbit/s
95th percentile per-packet one-way delay: 33.769 ms
Loss rate: 0.85%
```

Run 5: Report of Copa — Data Link

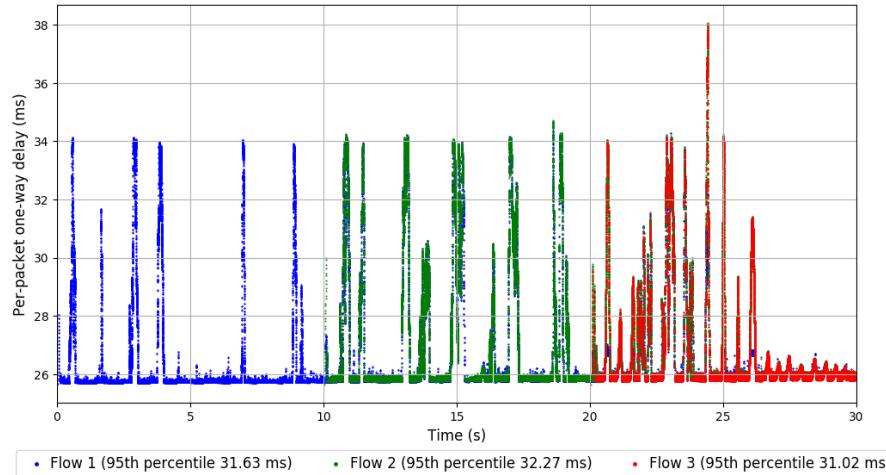
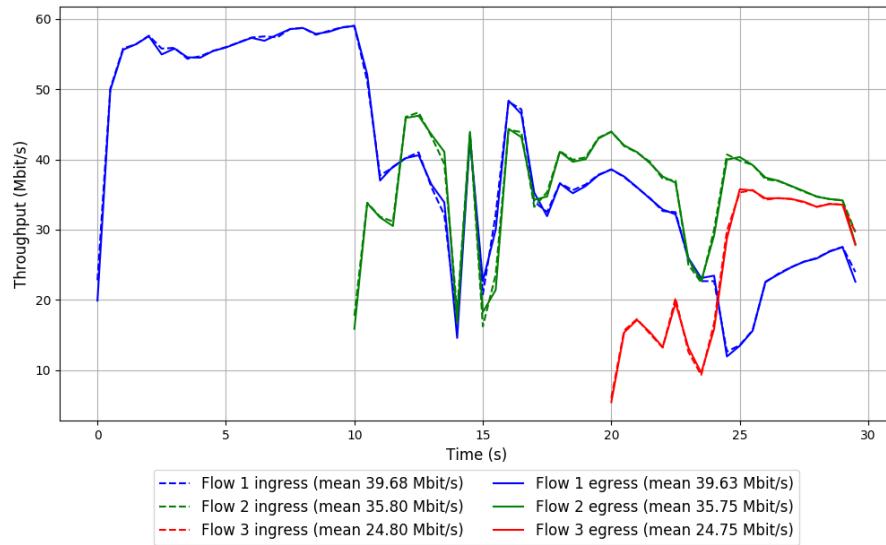


Run 6: Statistics of Copa

```
Start at: 2018-02-13 15:42:36
End at: 2018-02-13 15:43:06
Local clock offset: -0.002 ms
Remote clock offset: 12.78 ms

# Below is generated by plot.py at 2018-02-13 22:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.63 Mbit/s
95th percentile per-packet one-way delay: 31.831 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 31.628 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 32.265 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 31.021 ms
Loss rate: 0.73%
```

Run 6: Report of Copa — Data Link

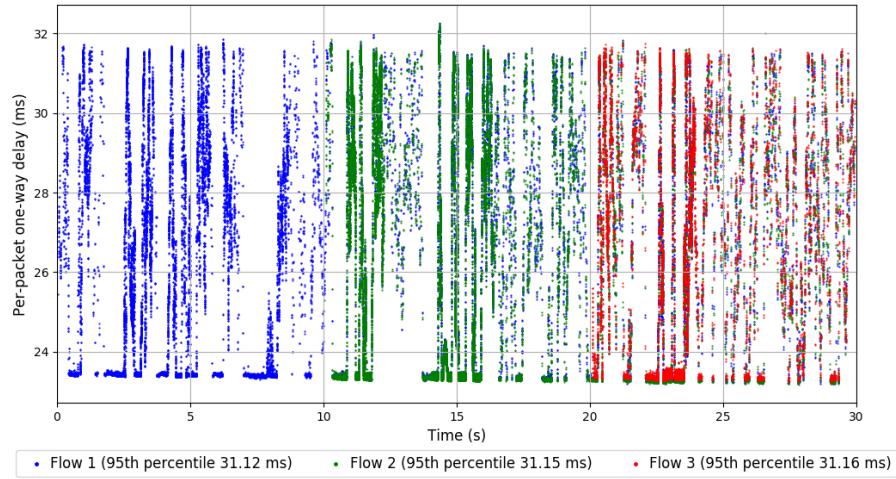
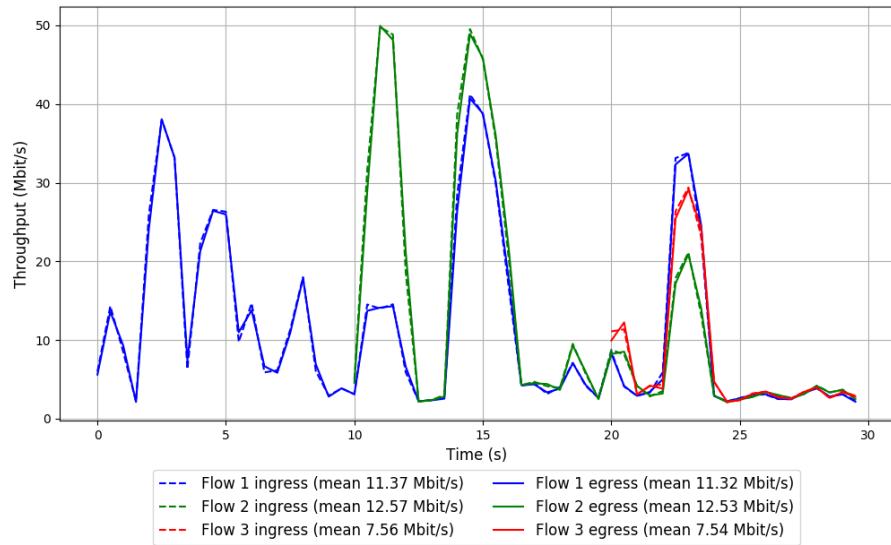


Run 7: Statistics of Copa

```
Start at: 2018-02-13 16:09:28
End at: 2018-02-13 16:09:58
Local clock offset: -0.797 ms
Remote clock offset: 11.416 ms

# Below is generated by plot.py at 2018-02-13 22:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: 31.134 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 31.117 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 31.146 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.73%
```

Run 7: Report of Copa — Data Link

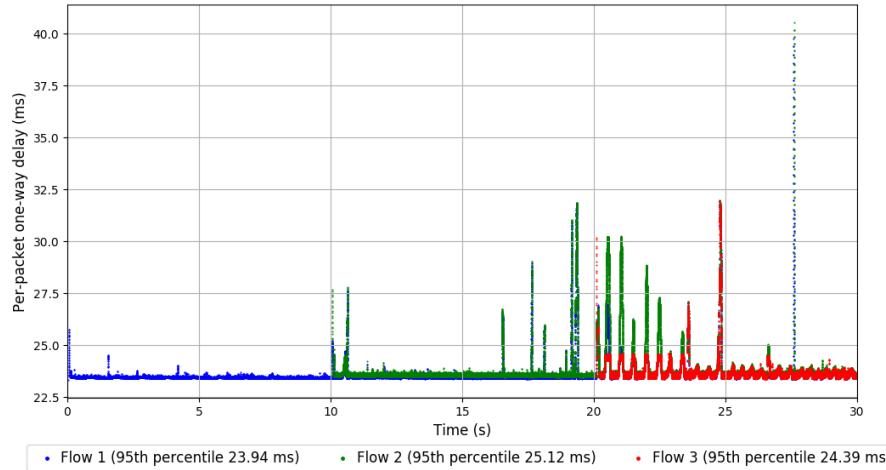
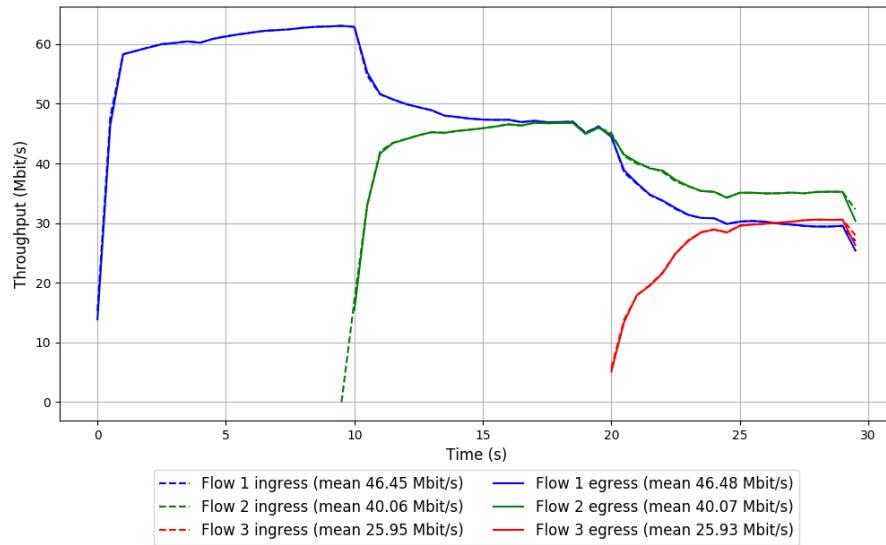


Run 8: Statistics of Copa

```
Start at: 2018-02-13 16:34:15
End at: 2018-02-13 16:34:45
Local clock offset: -0.865 ms
Remote clock offset: 6.649 ms

# Below is generated by plot.py at 2018-02-13 22:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 24.343 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 23.939 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 25.124 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 24.387 ms
Loss rate: 0.61%
```

Run 8: Report of Copa — Data Link

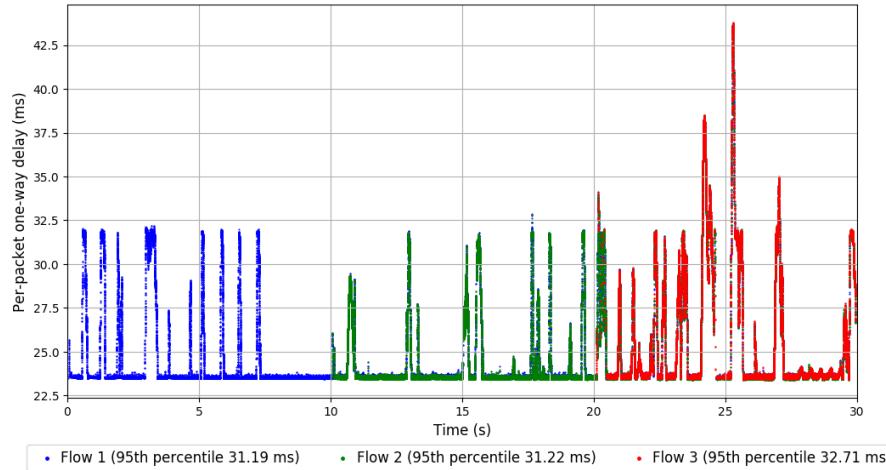
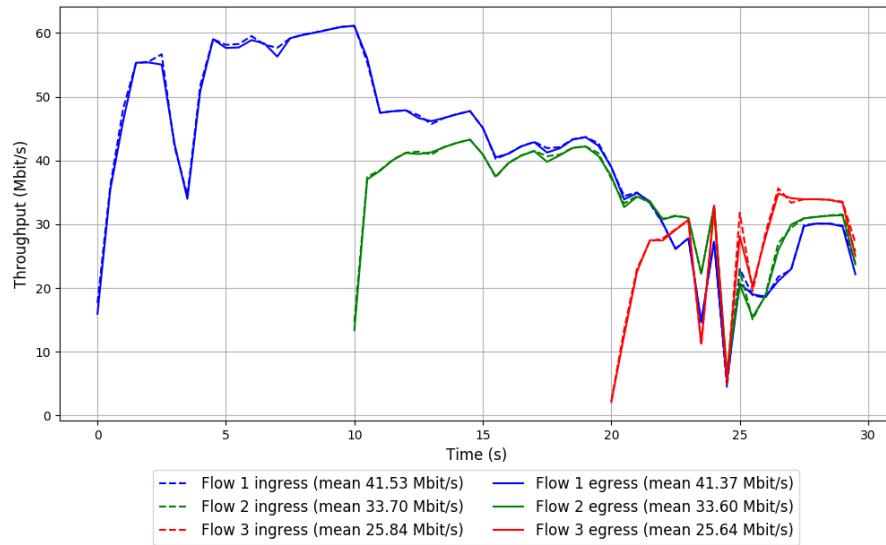


Run 9: Statistics of Copa

```
Start at: 2018-02-13 16:58:54
End at: 2018-02-13 16:59:24
Local clock offset: 1.638 ms
Remote clock offset: 7.513 ms

# Below is generated by plot.py at 2018-02-13 22:15:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.21 Mbit/s
95th percentile per-packet one-way delay: 31.435 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 31.187 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 31.222 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 32.712 ms
Loss rate: 1.32%
```

Run 9: Report of Copa — Data Link

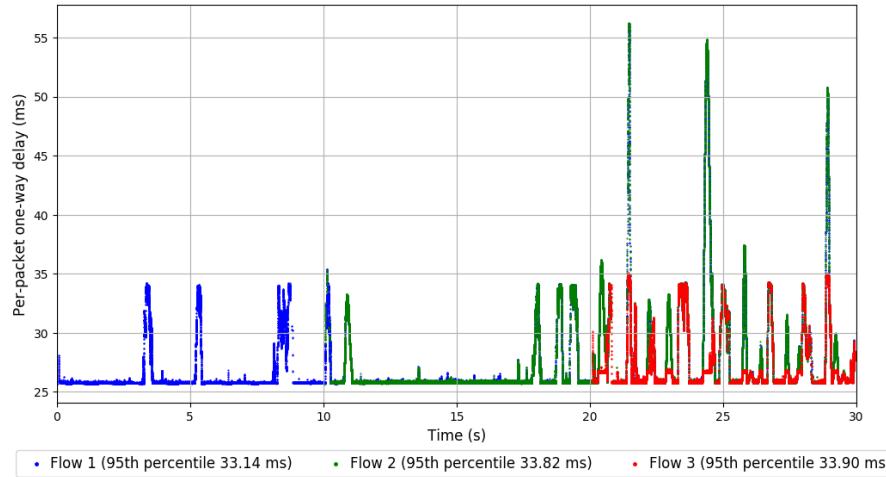
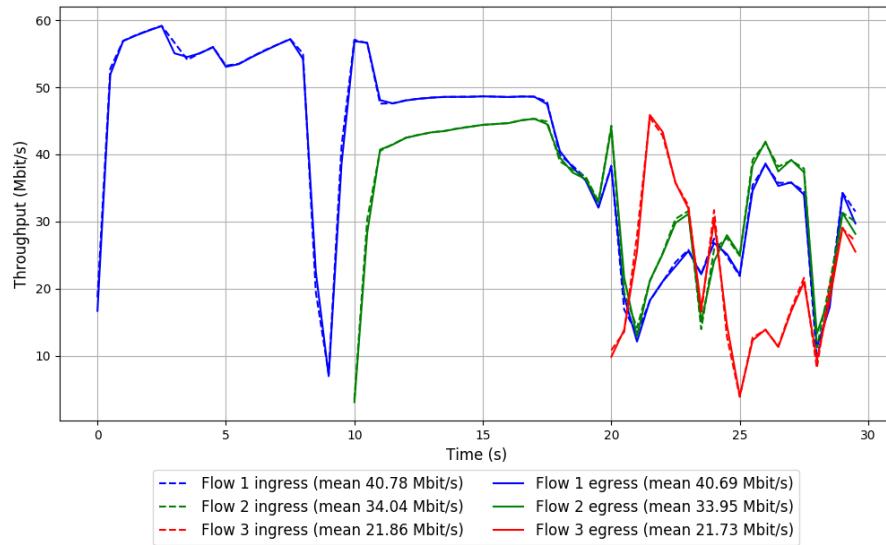


Run 10: Statistics of Copa

```
Start at: 2018-02-13 17:23:30
End at: 2018-02-13 17:24:00
Local clock offset: 1.716 ms
Remote clock offset: 5.514 ms

# Below is generated by plot.py at 2018-02-13 22:15:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.47 Mbit/s
95th percentile per-packet one-way delay: 33.530 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 33.137 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 33.824 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 33.898 ms
Loss rate: 1.15%
```

Run 10: Report of Copa — Data Link

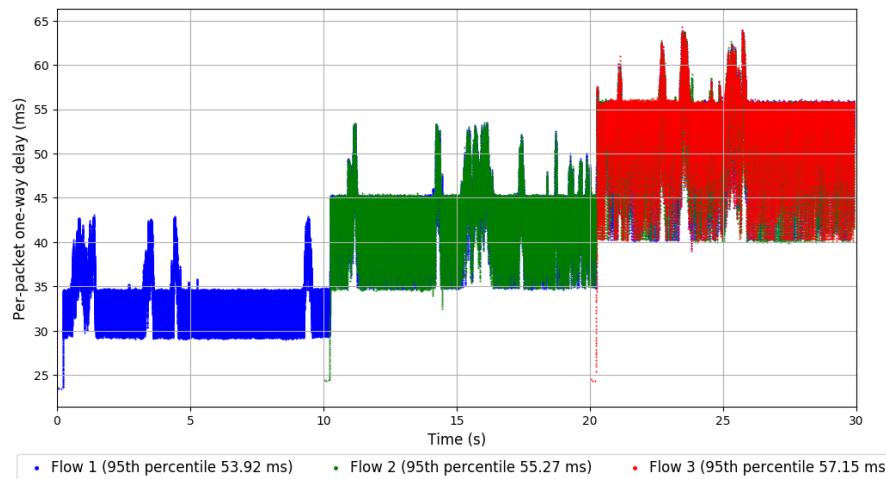
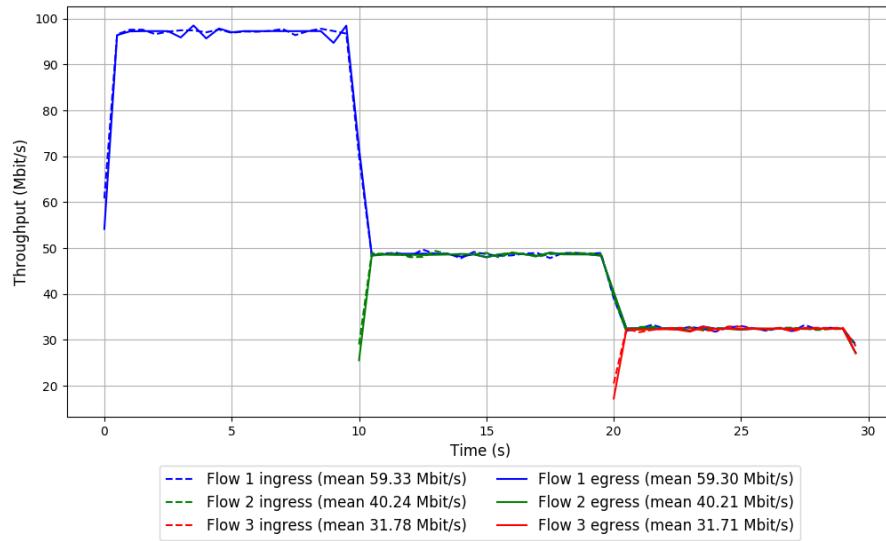


```
Run 1: Statistics of FillP

Start at: 2018-02-13 13:30:22
End at: 2018-02-13 13:30:52
Local clock offset: -0.569 ms
Remote clock offset: 1.964 ms

# Below is generated by plot.py at 2018-02-13 22:15:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 55.106 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 53.923 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 55.267 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 57.148 ms
Loss rate: 0.86%
```

Run 1: Report of FillP — Data Link

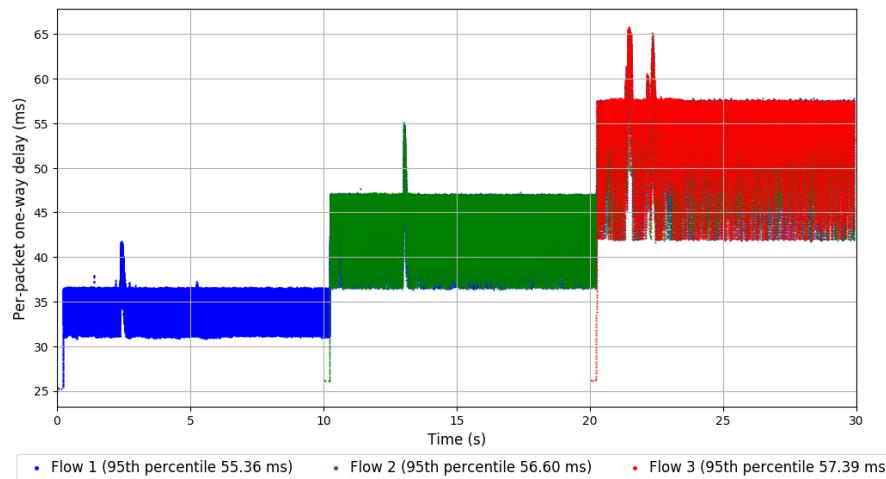
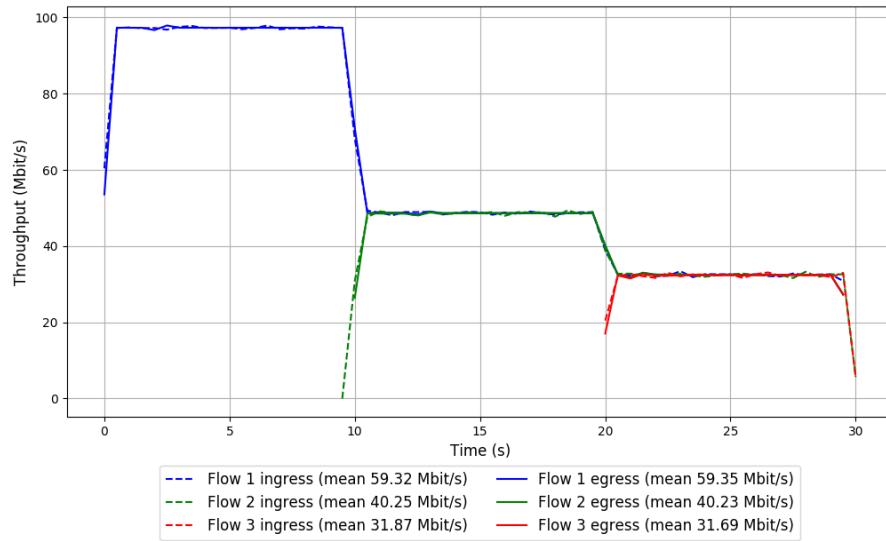


Run 2: Statistics of FillP

```
Start at: 2018-02-13 13:54:57
End at: 2018-02-13 13:55:27
Local clock offset: 0.112 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-02-13 22:15:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 56.493 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 55.356 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 56.605 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 57.389 ms
Loss rate: 2.25%
```

Run 2: Report of FillP — Data Link

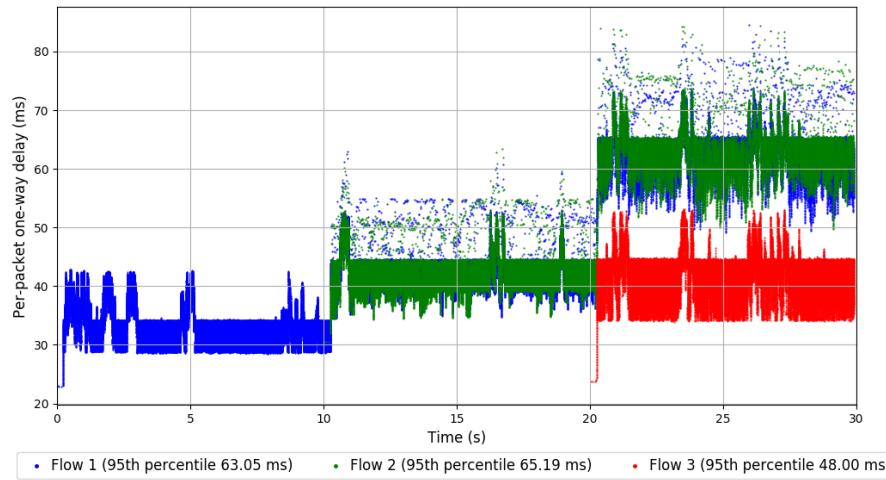
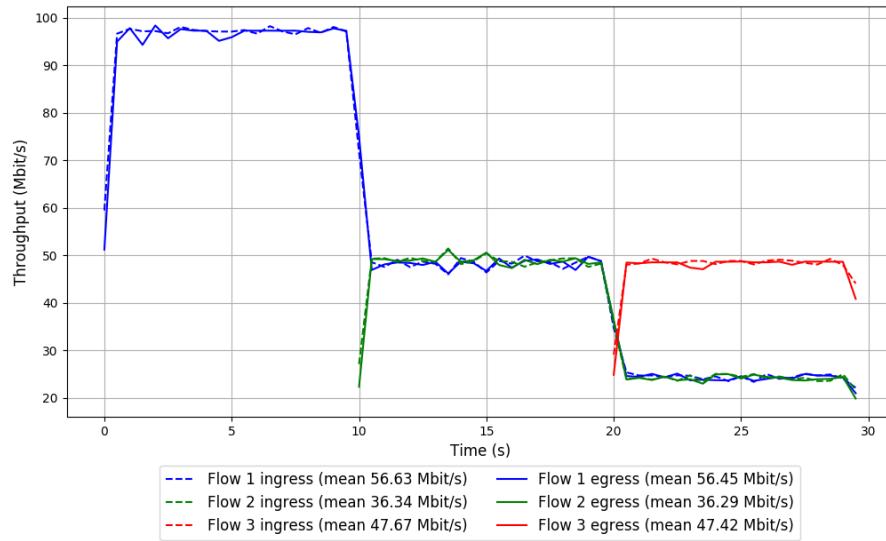


Run 3: Statistics of FillP

```
Start at: 2018-02-13 14:19:29
End at: 2018-02-13 14:19:59
Local clock offset: 2.122 ms
Remote clock offset: 2.549 ms

# Below is generated by plot.py at 2018-02-13 22:15:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 63.730 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 63.048 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 65.188 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 48.001 ms
Loss rate: 1.12%
```

Run 3: Report of FillP — Data Link

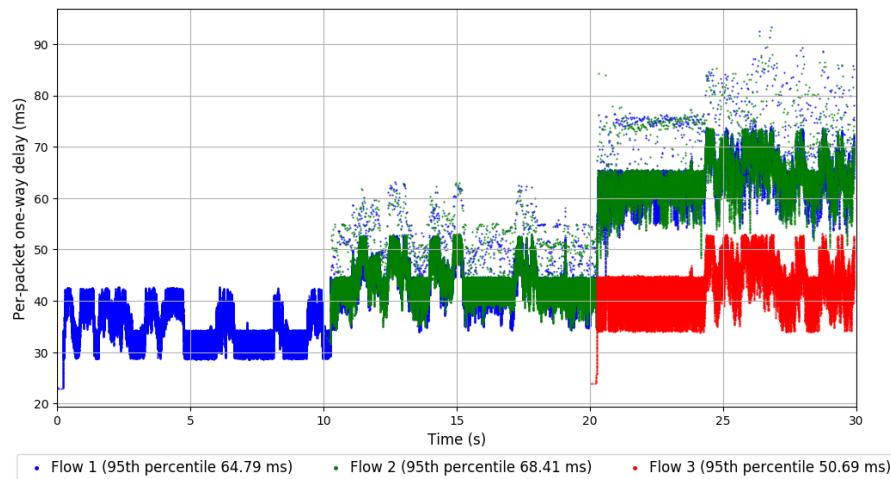
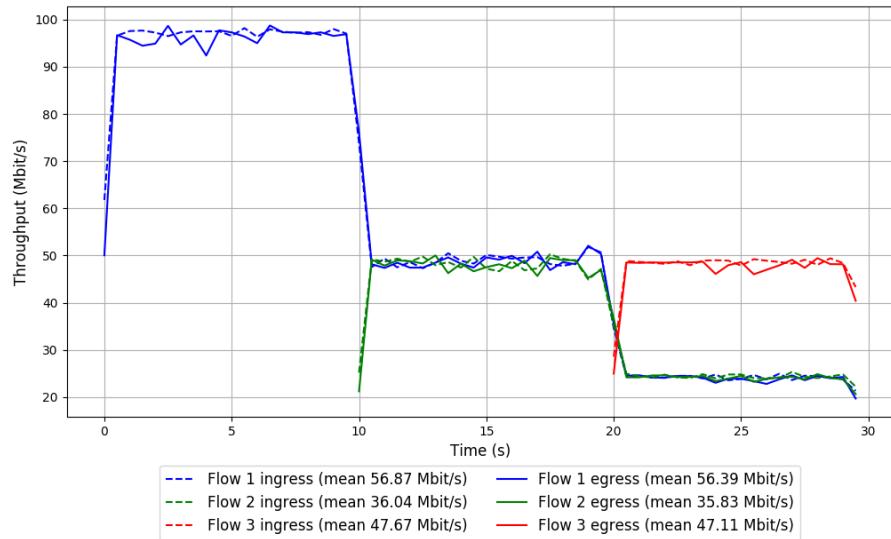


Run 4: Statistics of FillP

```
Start at: 2018-02-13 14:44:24
End at: 2018-02-13 14:44:54
Local clock offset: 1.024 ms
Remote clock offset: 2.401 ms

# Below is generated by plot.py at 2018-02-13 22:15:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 65.245 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 64.787 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 68.414 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 50.685 ms
Loss rate: 1.74%
```

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-13 15:09:26
End at: 2018-02-13 15:09:56
Local clock offset: 0.805 ms
Remote clock offset: 10.189 ms

Run 5: Report of FillP — Data Link

Figure is missing

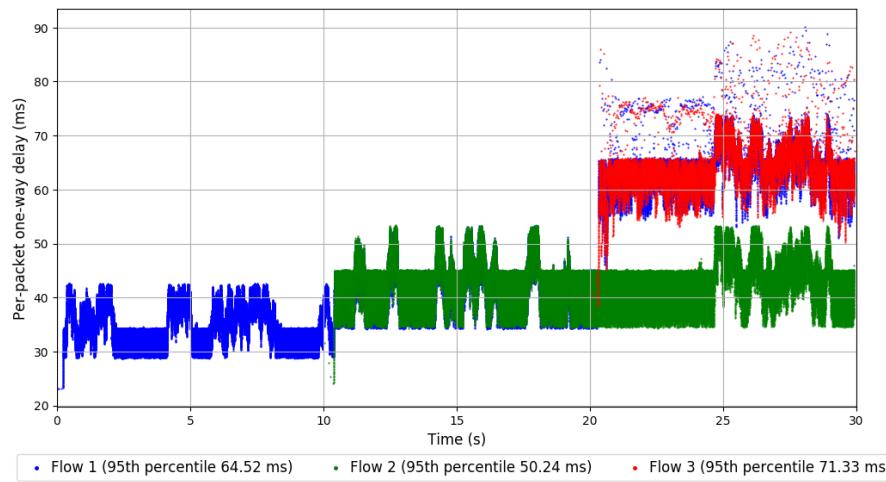
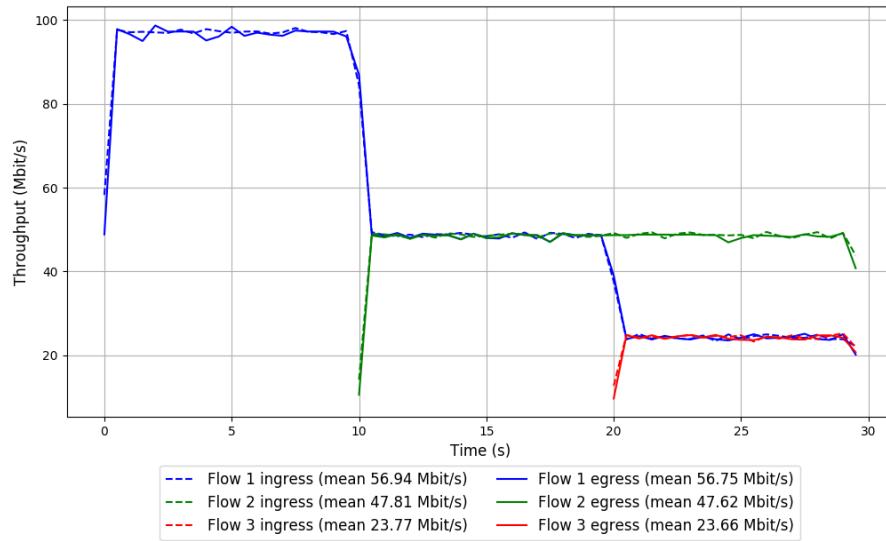
Figure is missing

Run 6: Statistics of FillP

```
Start at: 2018-02-13 15:34:15
End at: 2018-02-13 15:34:45
Local clock offset: 0.867 ms
Remote clock offset: 14.388 ms

# Below is generated by plot.py at 2018-02-13 22:15:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 64.999 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 64.524 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 50.243 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 71.330 ms
Loss rate: 1.34%
```

Run 6: Report of FillP — Data Link

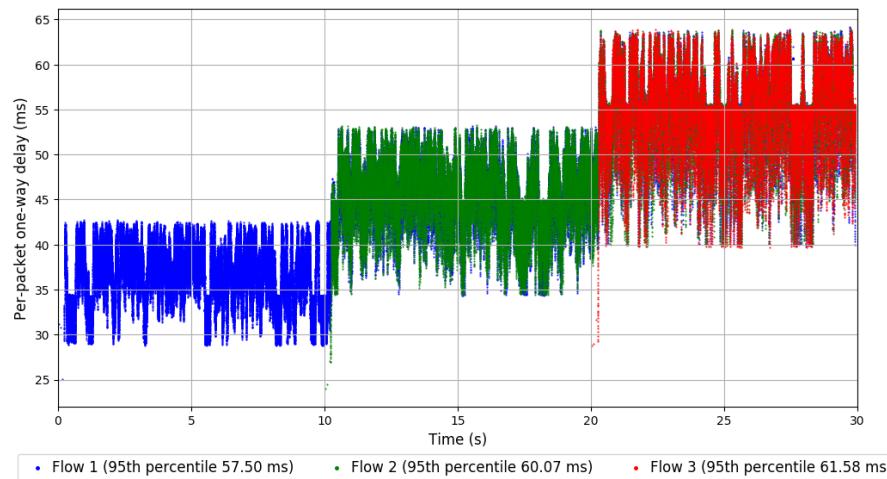
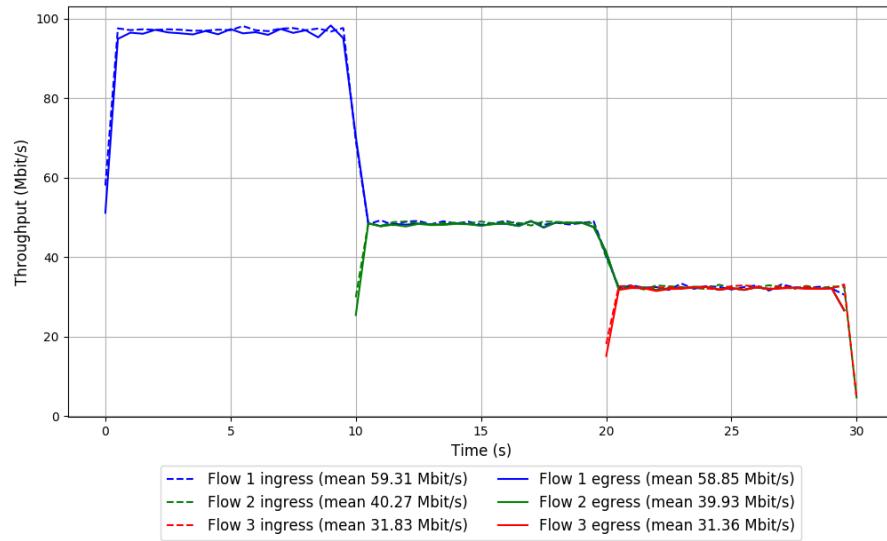


Run 7: Statistics of FillP

```
Start at: 2018-02-13 15:59:53
End at: 2018-02-13 16:00:23
Local clock offset: -0.583 ms
Remote clock offset: 17.515 ms

# Below is generated by plot.py at 2018-02-13 22:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 59.576 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 57.500 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 60.074 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 61.579 ms
Loss rate: 3.05%
```

Run 7: Report of FillP — Data Link

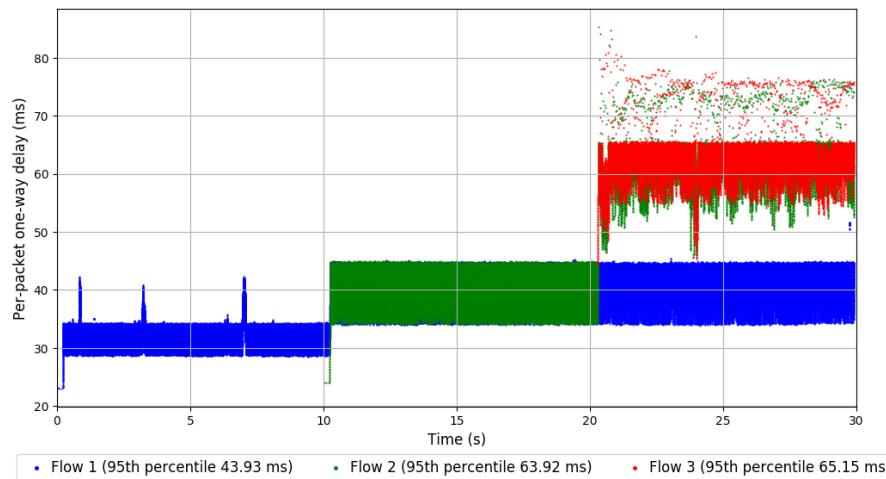
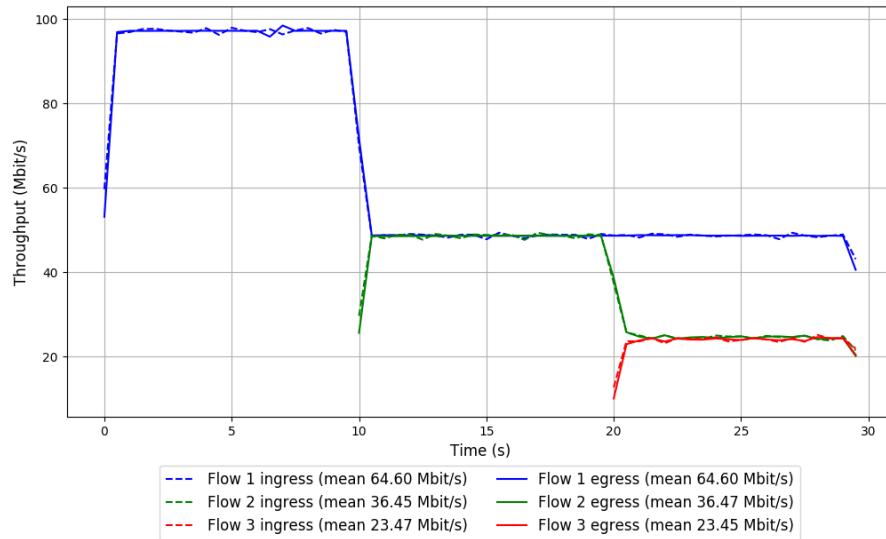


Run 8: Statistics of FillP

```
Start at: 2018-02-13 16:26:00
End at: 2018-02-13 16:26:30
Local clock offset: -0.763 ms
Remote clock offset: 7.976 ms

# Below is generated by plot.py at 2018-02-13 22:16:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 62.994 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 43.929 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 63.918 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 65.152 ms
Loss rate: 0.95%
```

Run 8: Report of FillP — Data Link

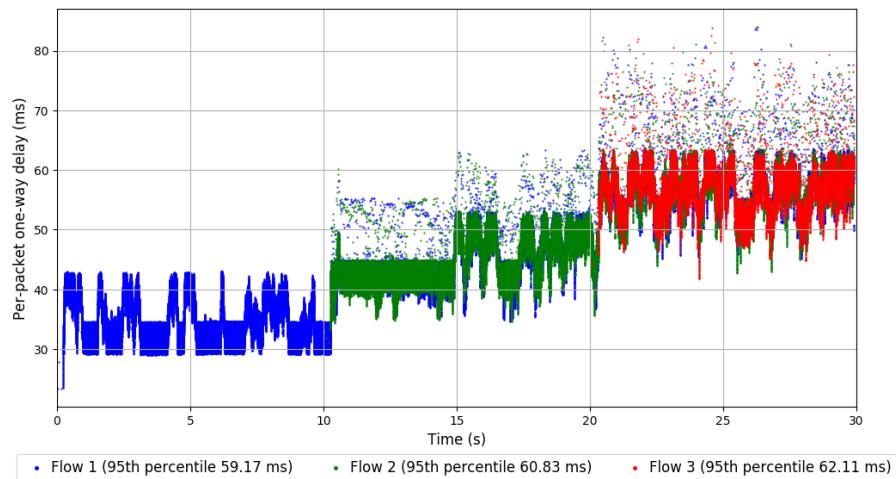
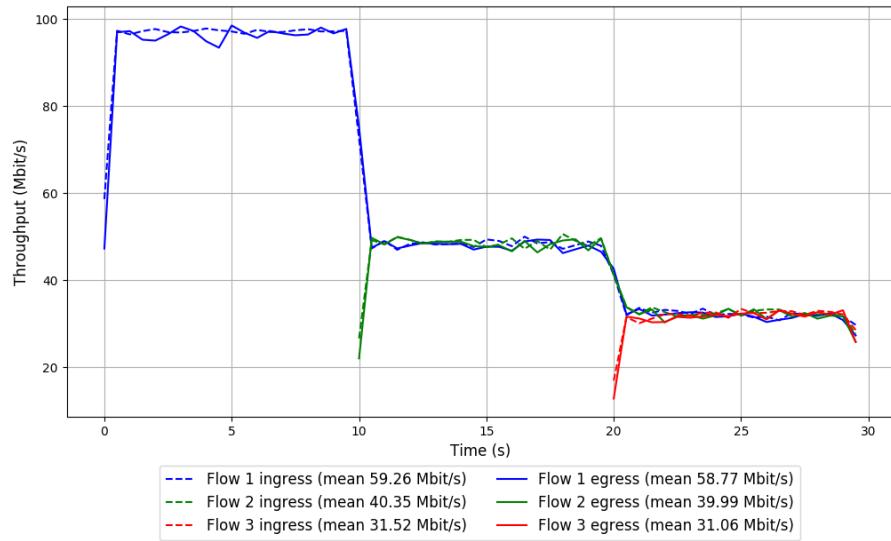


Run 9: Statistics of FillP

```
Start at: 2018-02-13 16:50:41
End at: 2018-02-13 16:51:11
Local clock offset: 0.911 ms
Remote clock offset: 8.06 ms

# Below is generated by plot.py at 2018-02-13 22:17:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 60.554 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 59.169 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 60.833 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 62.107 ms
Loss rate: 2.20%
```

Run 9: Report of FillP — Data Link

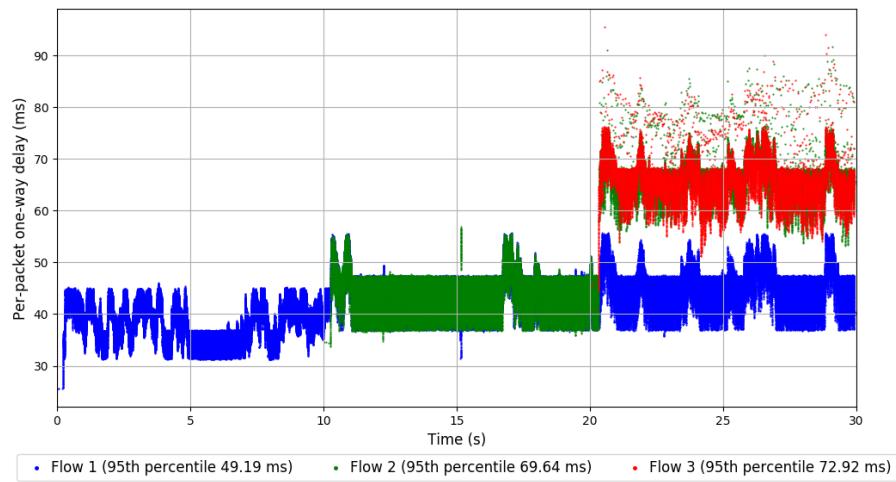
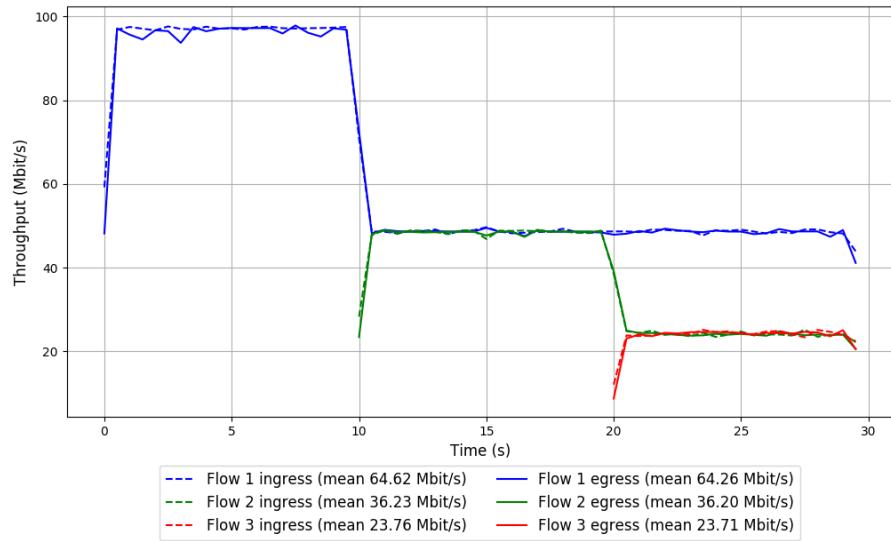


Run 10: Statistics of FillP

```
Start at: 2018-02-13 17:15:17
End at: 2018-02-13 17:15:47
Local clock offset: 2.704 ms
Remote clock offset: 5.197 ms

# Below is generated by plot.py at 2018-02-13 22:17:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 67.201 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 49.193 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 69.640 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 72.917 ms
Loss rate: 1.18%
```

Run 10: Report of FillP — Data Link

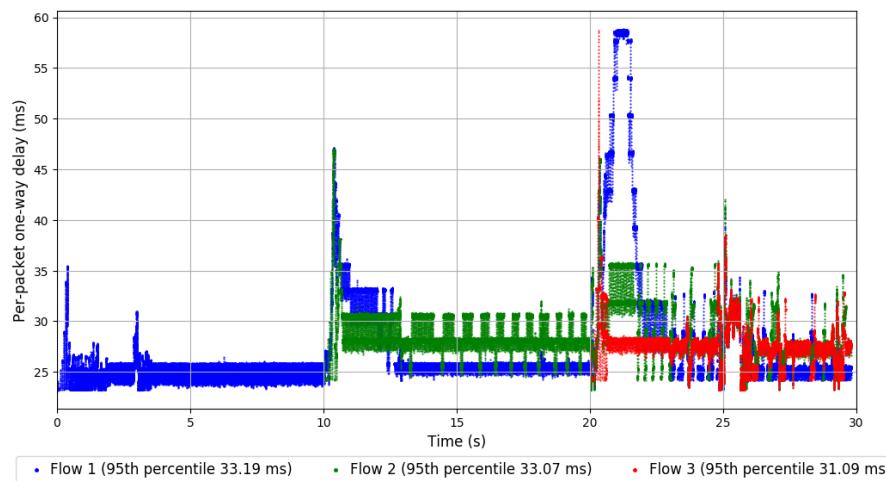
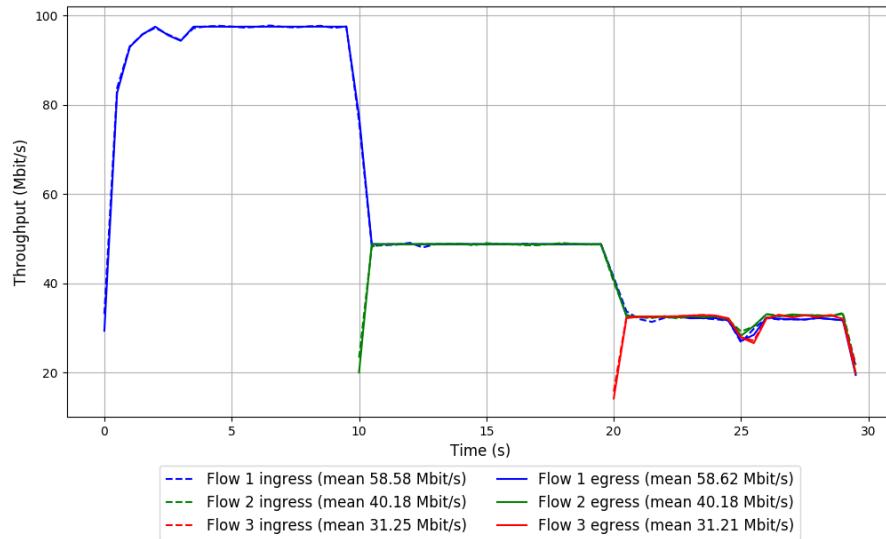


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-13 13:37:12
End at: 2018-02-13 13:37:42
Local clock offset: -0.52 ms
Remote clock offset: 2.545 ms

# Below is generated by plot.py at 2018-02-13 22:17:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 33.109 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 58.62 Mbit/s
95th percentile per-packet one-way delay: 33.187 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 33.066 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 31.094 ms
Loss rate: 0.70%
```

Run 1: Report of Indigo-1-32 — Data Link

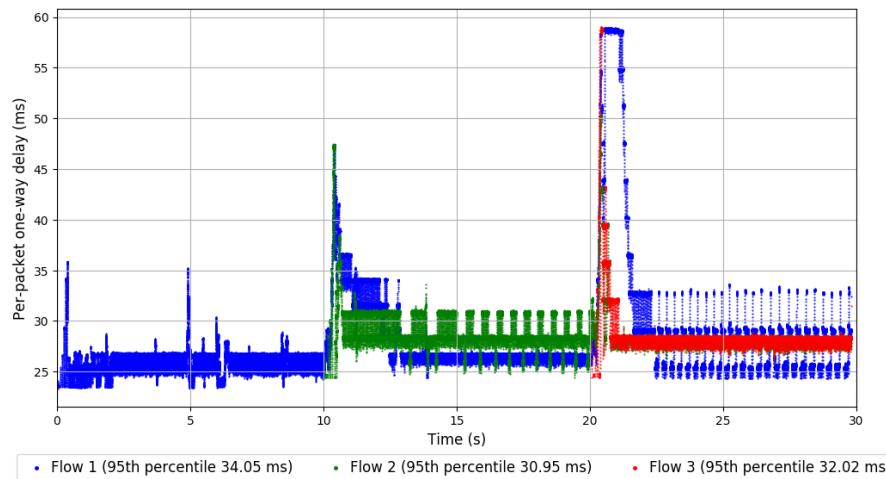
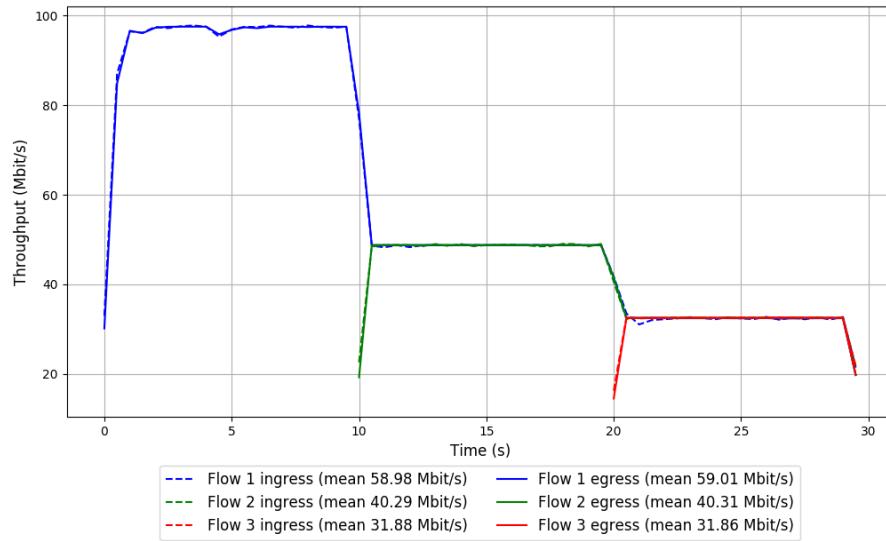


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-13 14:01:51
End at: 2018-02-13 14:02:21
Local clock offset: 1.292 ms
Remote clock offset: 1.777 ms

# Below is generated by plot.py at 2018-02-13 22:17:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 33.045 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 34.046 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 30.954 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 32.015 ms
Loss rate: 0.61%
```

Run 2: Report of Indigo-1-32 — Data Link

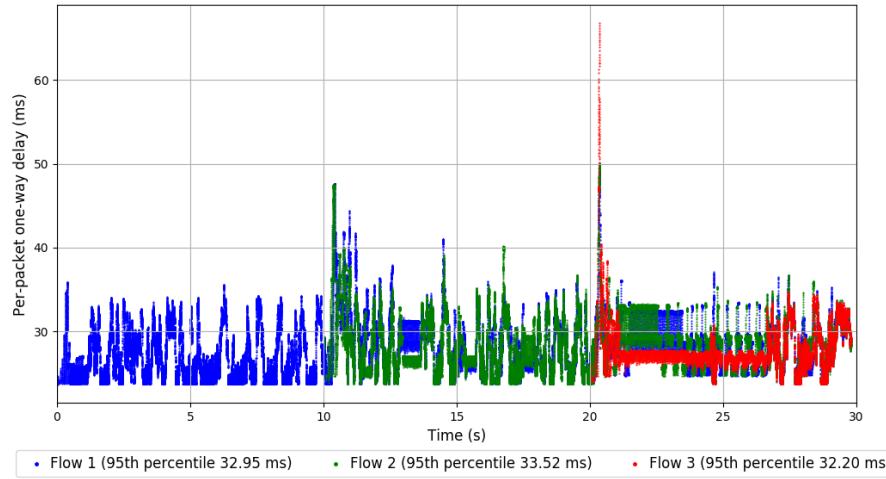
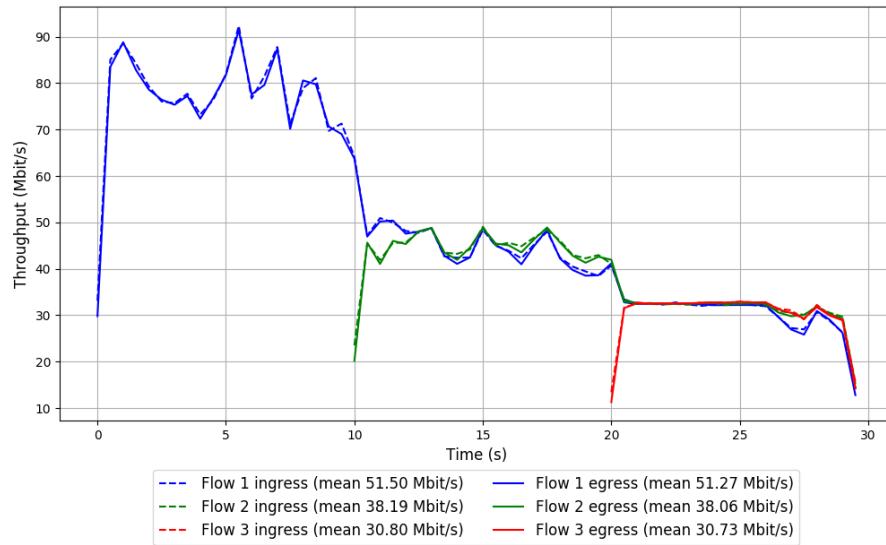


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-13 14:26:21
End at: 2018-02-13 14:26:51
Local clock offset: 2.188 ms
Remote clock offset: 1.868 ms

# Below is generated by plot.py at 2018-02-13 22:17:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 33.073 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 51.27 Mbit/s
95th percentile per-packet one-way delay: 32.955 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 33.520 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 32.196 ms
Loss rate: 0.79%
```

Run 3: Report of Indigo-1-32 — Data Link

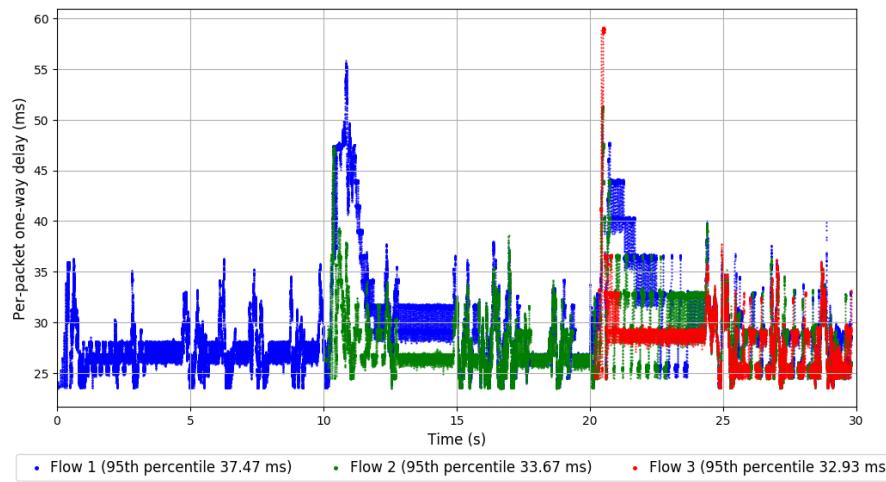
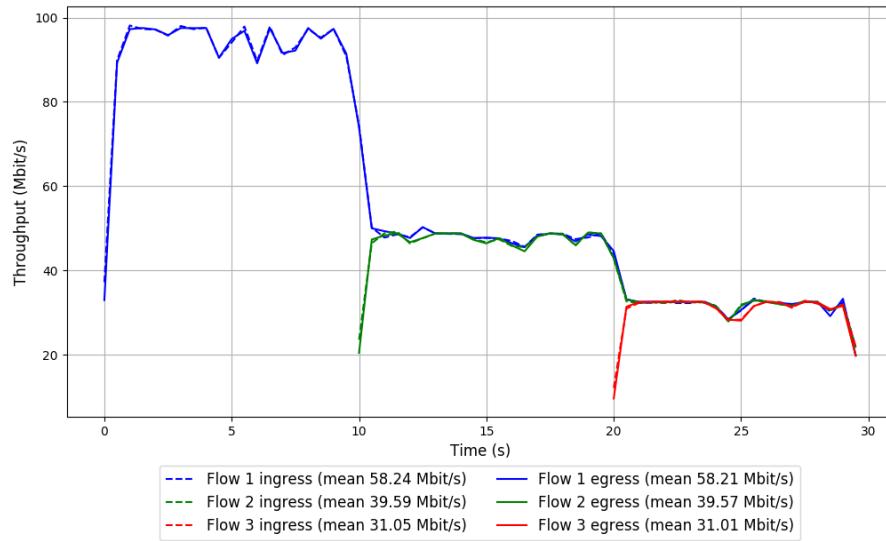


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-13 14:51:26
End at: 2018-02-13 14:51:56
Local clock offset: 0.865 ms
Remote clock offset: 1.959 ms

# Below is generated by plot.py at 2018-02-13 22:17:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 36.274 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 37.472 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 33.666 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 32.930 ms
Loss rate: 0.68%
```

Run 4: Report of Indigo-1-32 — Data Link

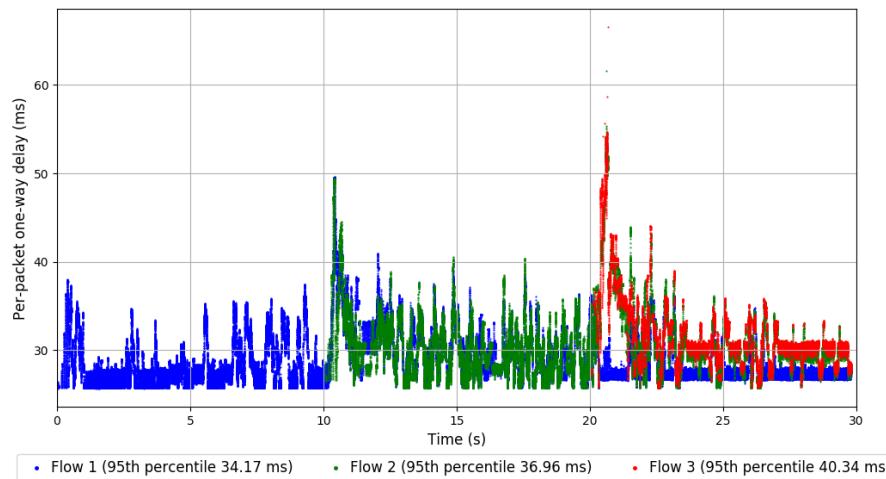
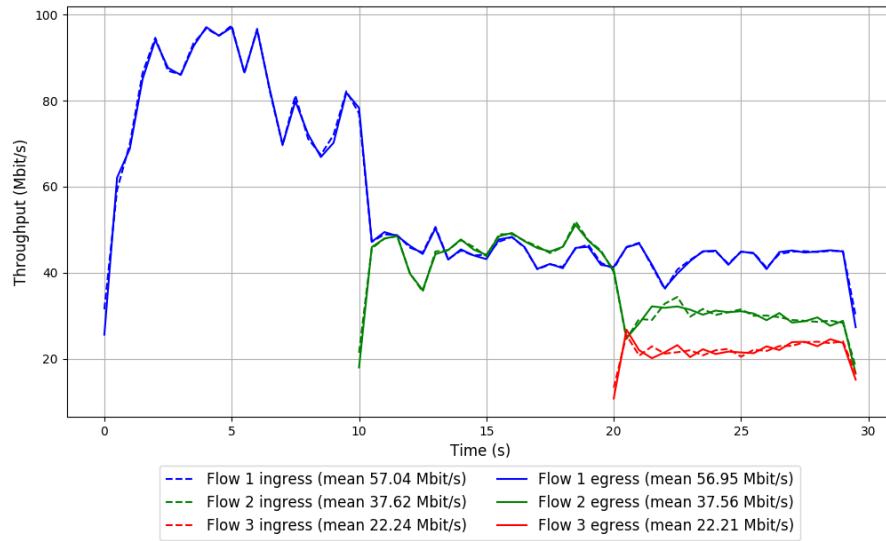


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-13 15:16:26
End at: 2018-02-13 15:16:56
Local clock offset: 0.858 ms
Remote clock offset: 9.312 ms

# Below is generated by plot.py at 2018-02-13 22:17:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 35.258 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 34.166 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 36.962 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 40.339 ms
Loss rate: 0.71%
```

Run 5: Report of Indigo-1-32 — Data Link

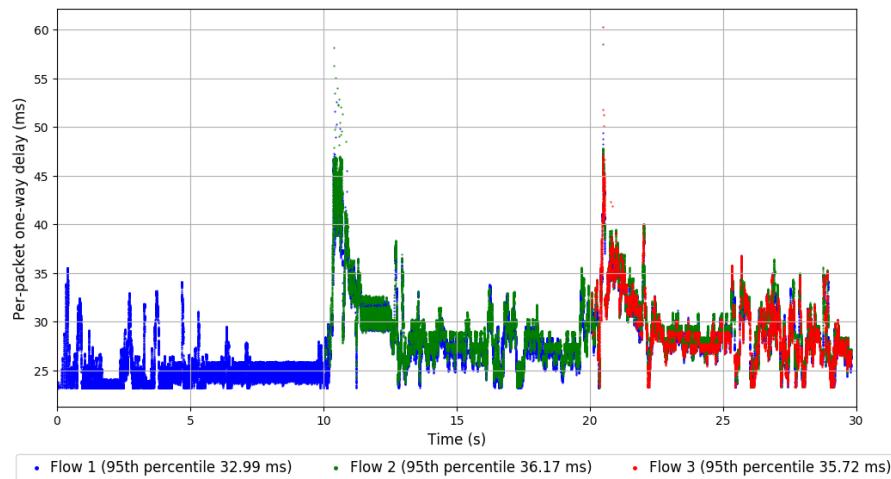
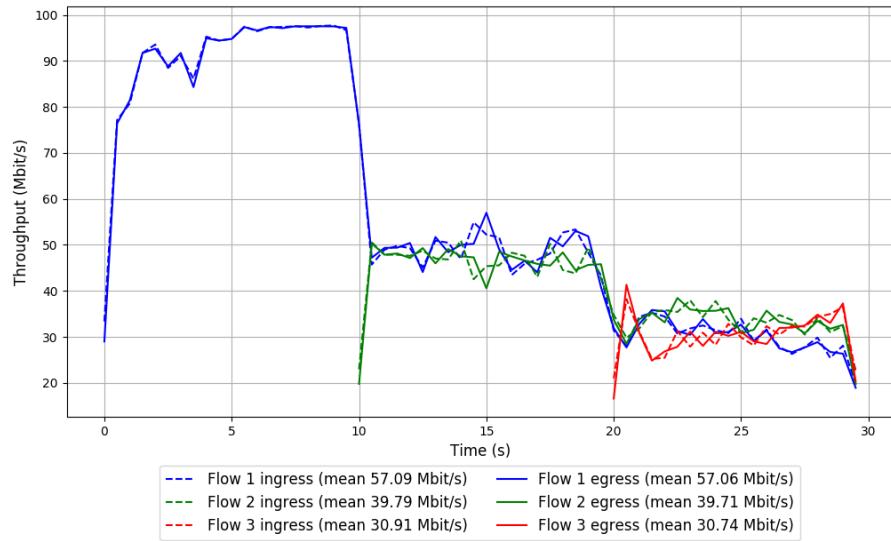


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-13 15:41:13
End at: 2018-02-13 15:41:43
Local clock offset: 0.109 ms
Remote clock offset: 15.2 ms

# Below is generated by plot.py at 2018-02-13 22:18:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 34.534 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 32.989 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 36.172 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 35.719 ms
Loss rate: 1.04%
```

Run 6: Report of Indigo-1-32 — Data Link

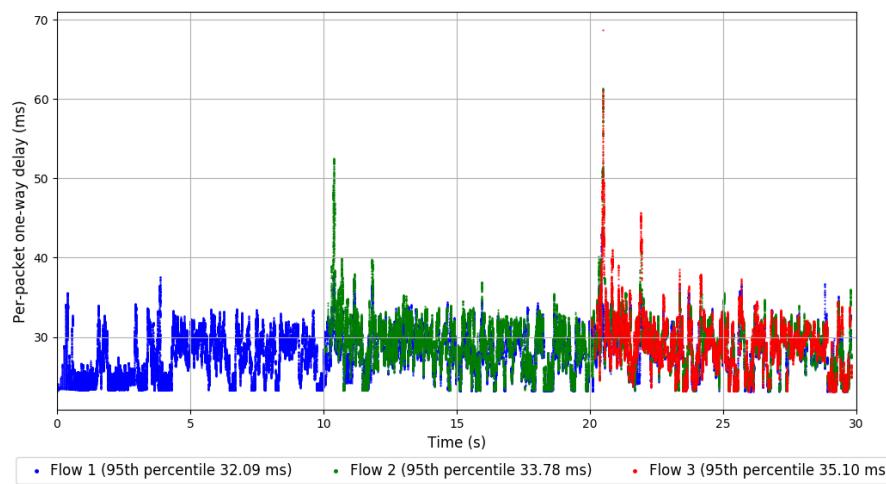
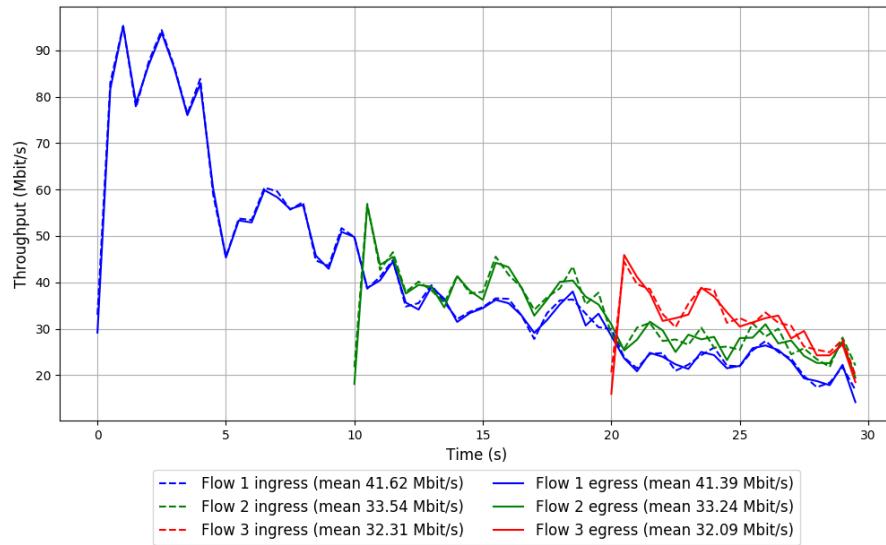


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-13 16:07:48
End at: 2018-02-13 16:08:18
Local clock offset: -0.802 ms
Remote clock offset: 12.238 ms

# Below is generated by plot.py at 2018-02-13 22:18:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.92 Mbit/s
95th percentile per-packet one-way delay: 32.966 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 41.39 Mbit/s
95th percentile per-packet one-way delay: 32.086 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 33.777 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 35.097 ms
Loss rate: 1.30%
```

Run 7: Report of Indigo-1-32 — Data Link

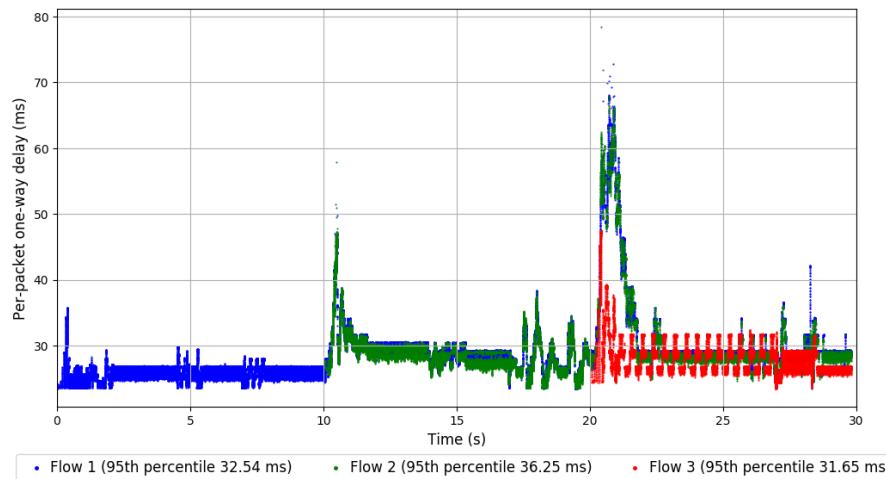
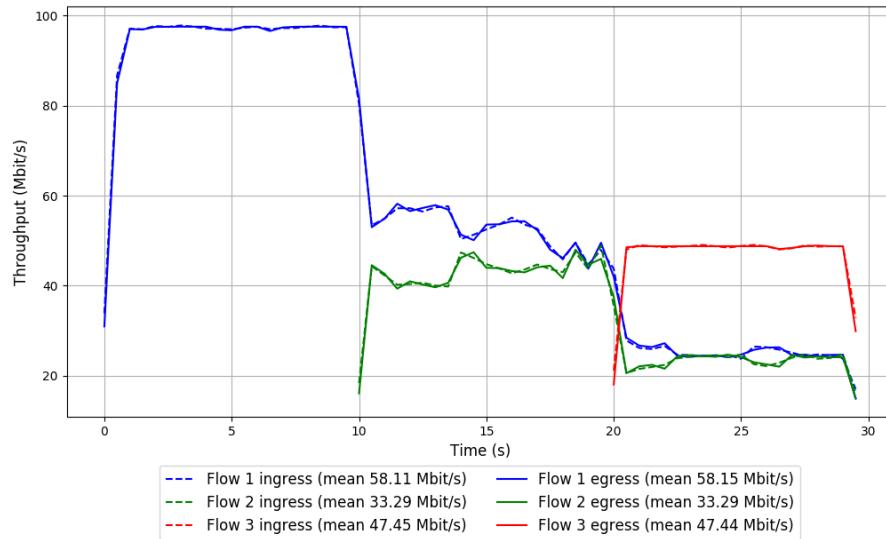


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-13 16:32:52
End at: 2018-02-13 16:33:22
Local clock offset: -0.848 ms
Remote clock offset: 6.709 ms

# Below is generated by plot.py at 2018-02-13 22:18:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 33.123 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 32.537 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 36.249 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 31.647 ms
Loss rate: 0.59%
```

Run 8: Report of Indigo-1-32 — Data Link

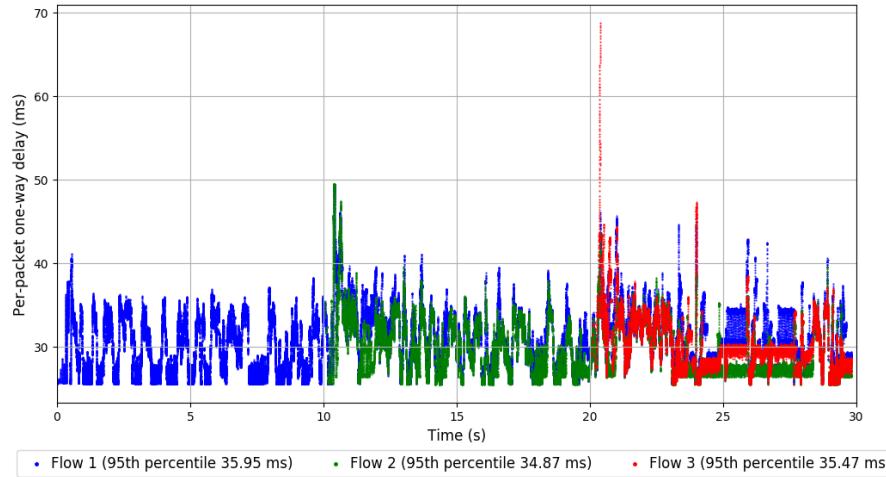
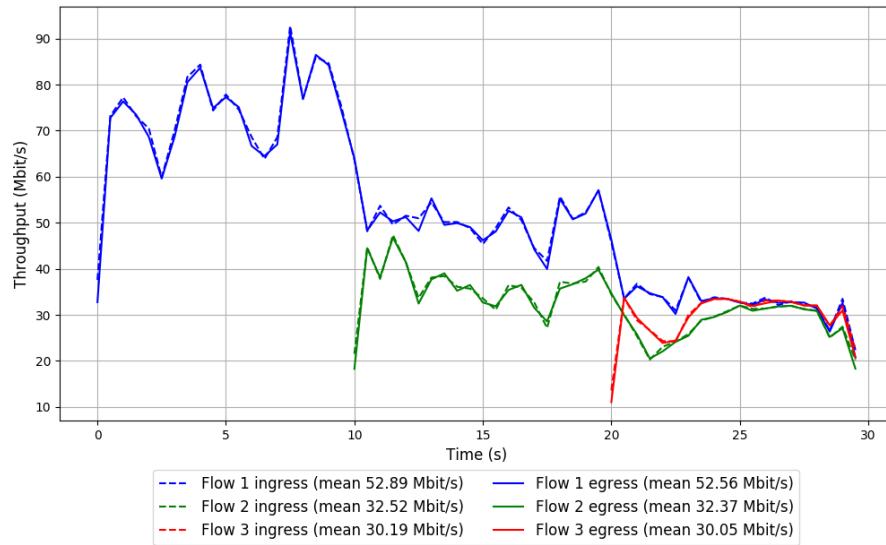


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-13 16:57:30
End at: 2018-02-13 16:58:00
Local clock offset: 1.535 ms
Remote clock offset: 5.554 ms

# Below is generated by plot.py at 2018-02-13 22:18:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.84 Mbit/s
95th percentile per-packet one-way delay: 35.659 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 35.951 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 34.868 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 35.473 ms
Loss rate: 1.03%
```

Run 9: Report of Indigo-1-32 — Data Link

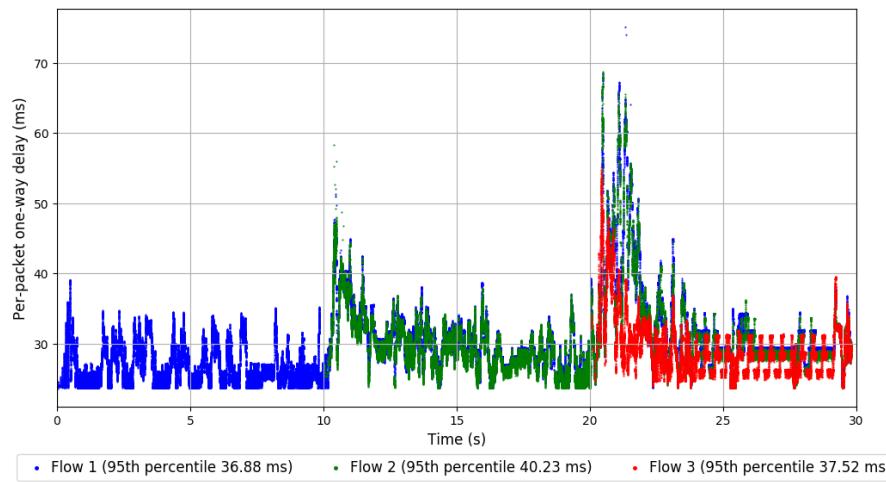
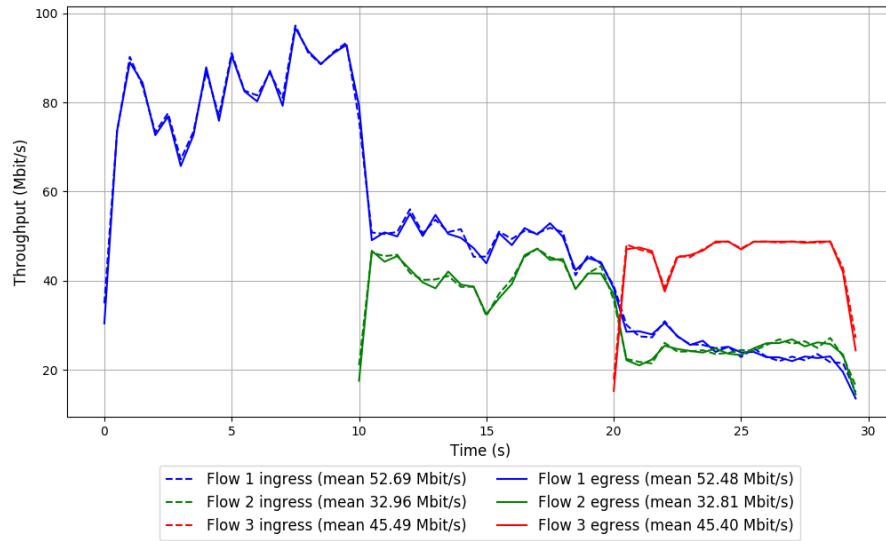


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-13 17:22:07
End at: 2018-02-13 17:22:37
Local clock offset: 1.734 ms
Remote clock offset: 7.433 ms

# Below is generated by plot.py at 2018-02-13 22:18:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 38.065 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 36.882 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 40.235 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 45.40 Mbit/s
95th percentile per-packet one-way delay: 37.521 ms
Loss rate: 0.83%
```

Run 10: Report of Indigo-1-32 — Data Link

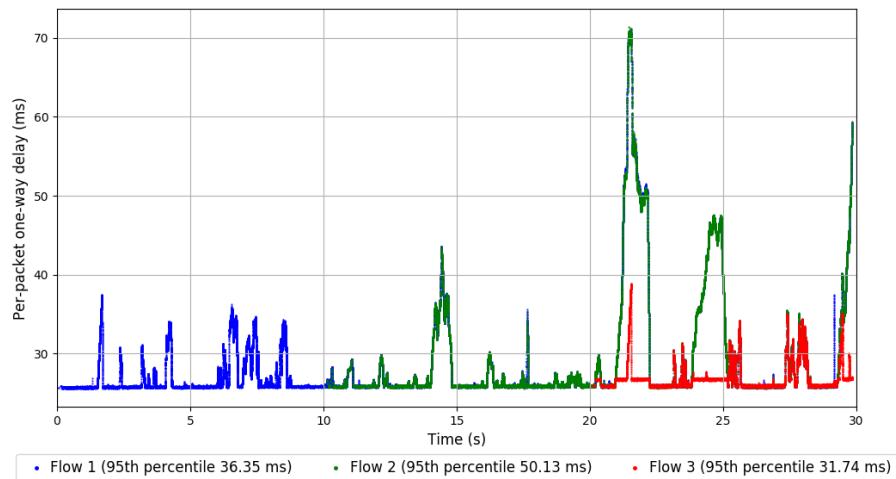
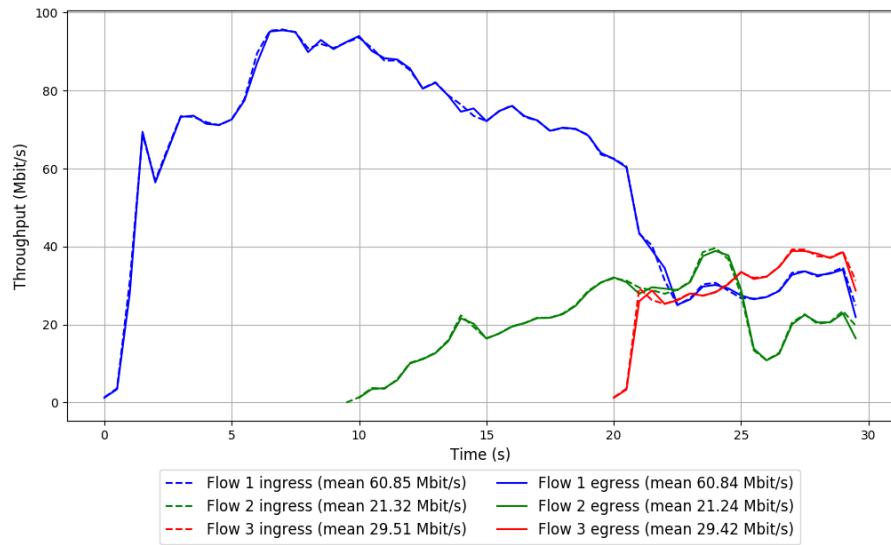


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-13 13:39:59
End at: 2018-02-13 13:40:29
Local clock offset: -0.584 ms
Remote clock offset: 0.16 ms

# Below is generated by plot.py at 2018-02-13 22:18:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 40.519 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 36.354 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 50.130 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 31.744 ms
Loss rate: 0.87%
```

Run 1: Report of Vivace-latency — Data Link

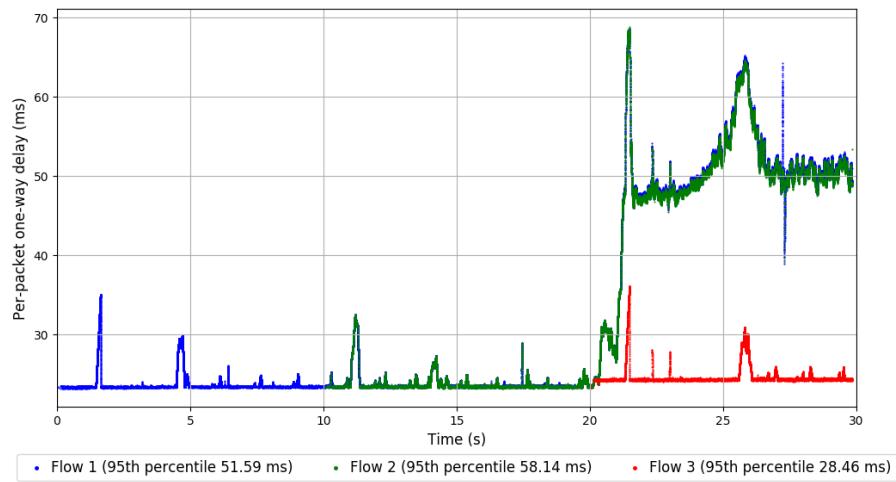
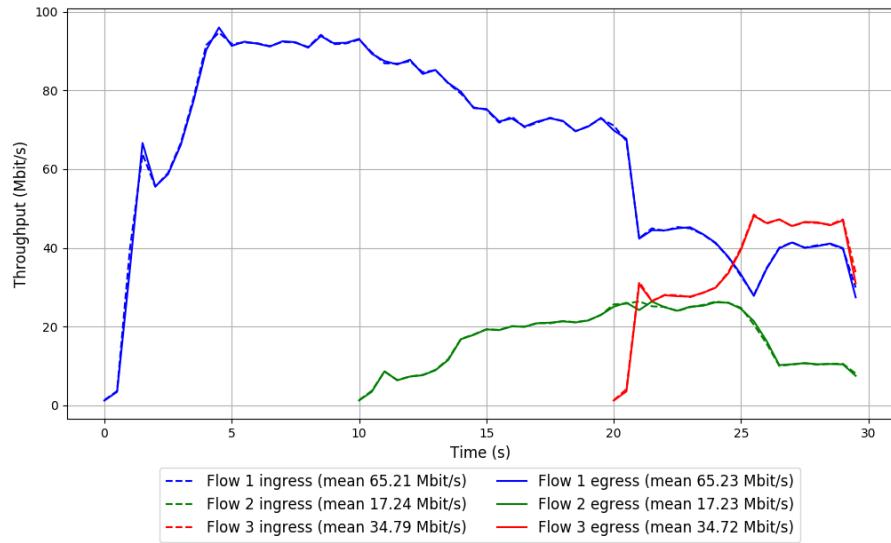


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-13 14:04:38
End at: 2018-02-13 14:05:08
Local clock offset: 1.546 ms
Remote clock offset: 1.911 ms

# Below is generated by plot.py at 2018-02-13 22:18:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 51.887 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 65.23 Mbit/s
95th percentile per-packet one-way delay: 51.595 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 58.138 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 28.459 ms
Loss rate: 0.75%
```

Run 2: Report of Vivace-latency — Data Link

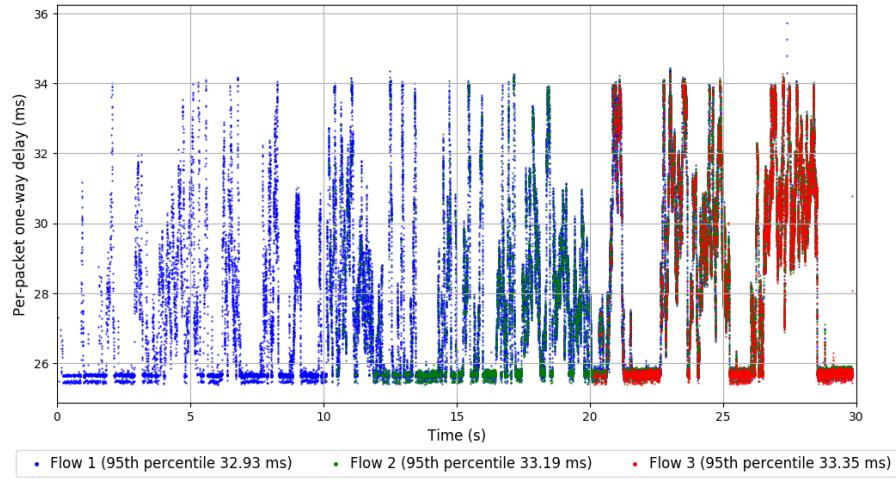
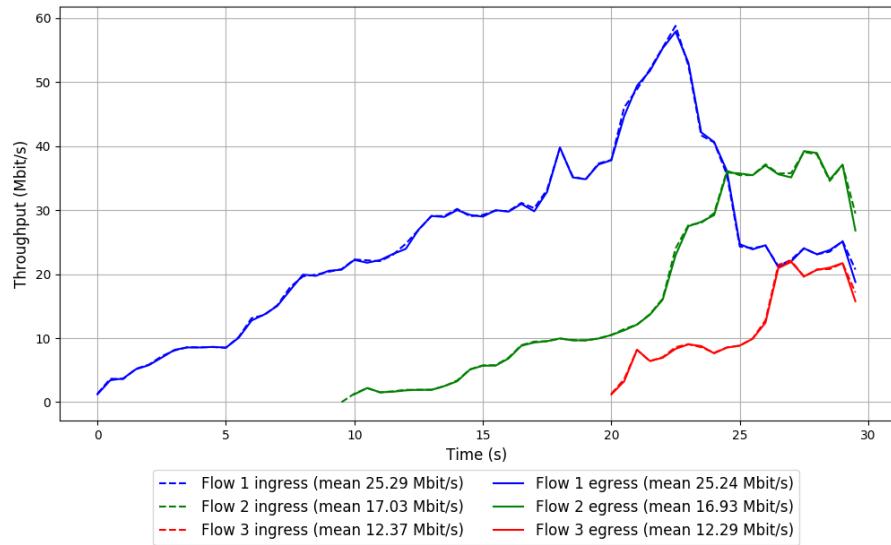


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-13 14:29:10
End at: 2018-02-13 14:29:40
Local clock offset: 1.837 ms
Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2018-02-13 22:18:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 33.071 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 25.24 Mbit/s
95th percentile per-packet one-way delay: 32.929 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 33.193 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 33.350 ms
Loss rate: 1.22%
```

Run 3: Report of Vivace-latency — Data Link

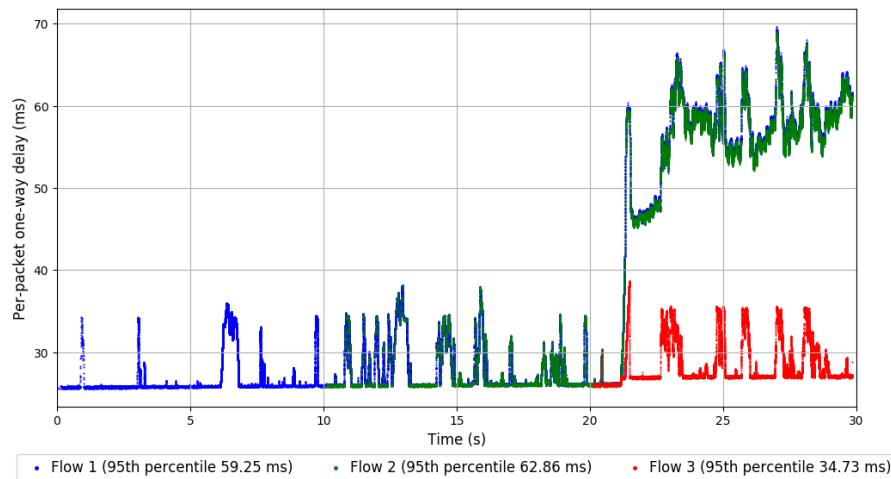
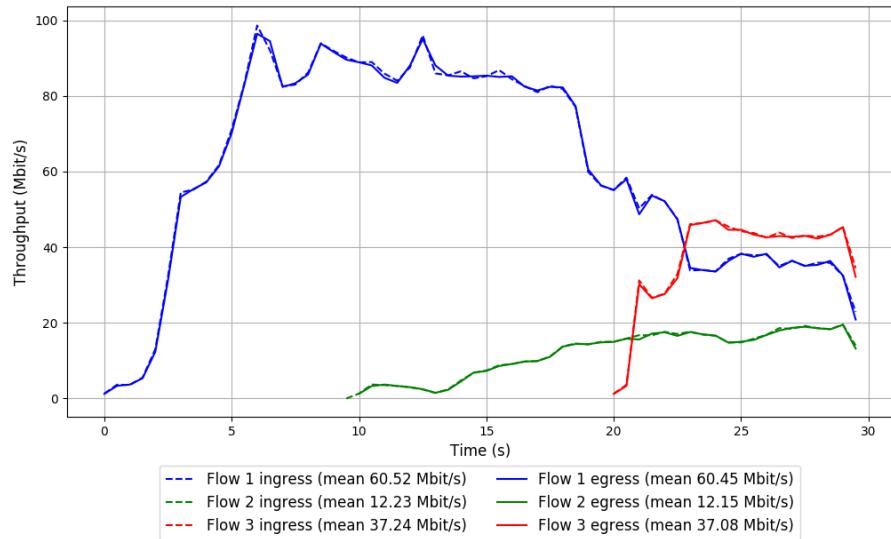


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-13 14:54:14
End at: 2018-02-13 14:54:44
Local clock offset: 0.768 ms
Remote clock offset: 0.965 ms

# Below is generated by plot.py at 2018-02-13 22:19:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 59.475 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 59.252 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 62.864 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 34.730 ms
Loss rate: 0.97%
```

Run 4: Report of Vivace-latency — Data Link

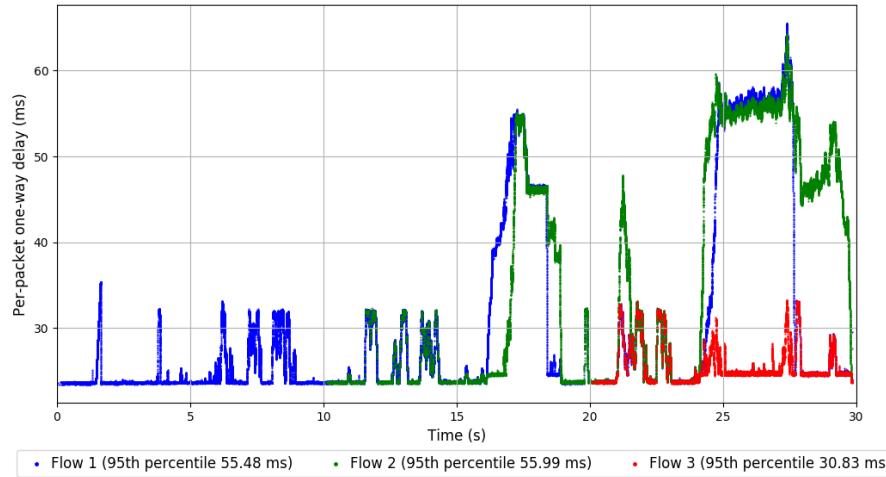
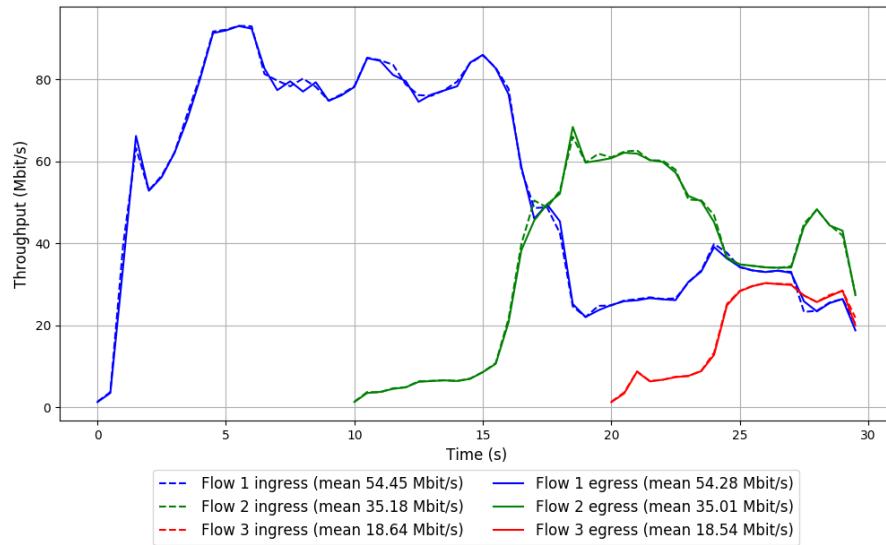


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-13 15:19:16
End at: 2018-02-13 15:19:46
Local clock offset: 0.935 ms
Remote clock offset: 11.876 ms

# Below is generated by plot.py at 2018-02-13 22:19:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 55.655 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 54.28 Mbit/s
95th percentile per-packet one-way delay: 55.477 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 55.994 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 18.54 Mbit/s
95th percentile per-packet one-way delay: 30.828 ms
Loss rate: 1.07%
```

Run 5: Report of Vivace-latency — Data Link

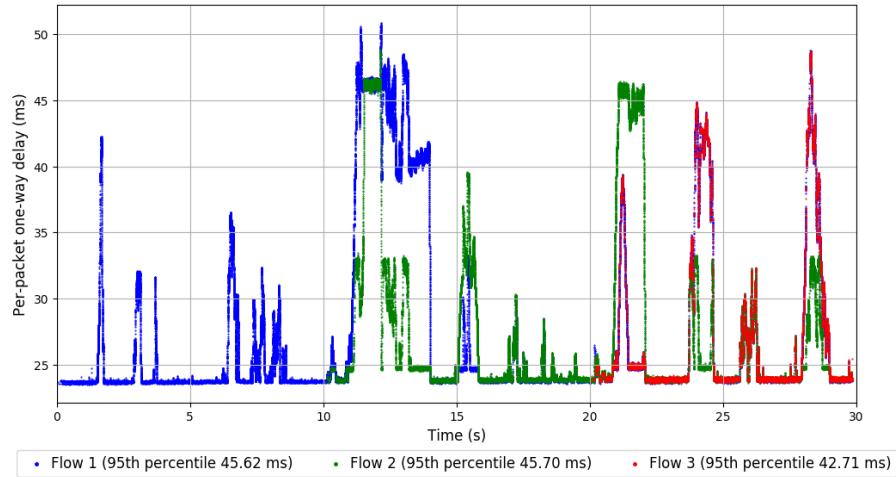
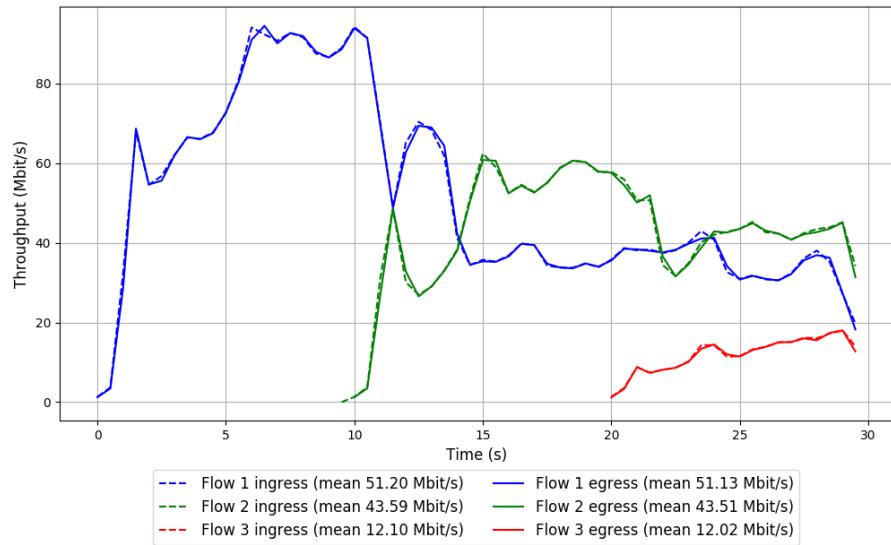


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-13 15:44:07
End at: 2018-02-13 15:44:37
Local clock offset: -0.087 ms
Remote clock offset: 14.981 ms

# Below is generated by plot.py at 2018-02-13 22:19:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 45.625 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 45.697 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 42.707 ms
Loss rate: 1.18%
```

Run 6: Report of Vivace-latency — Data Link

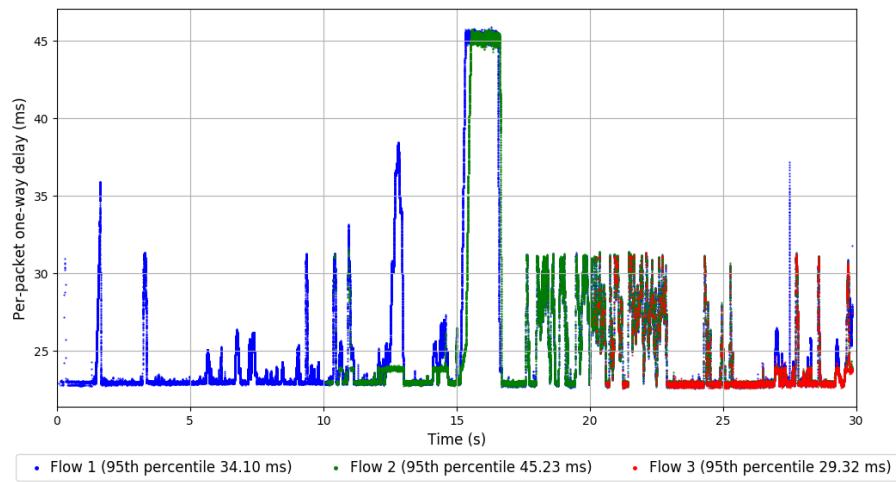
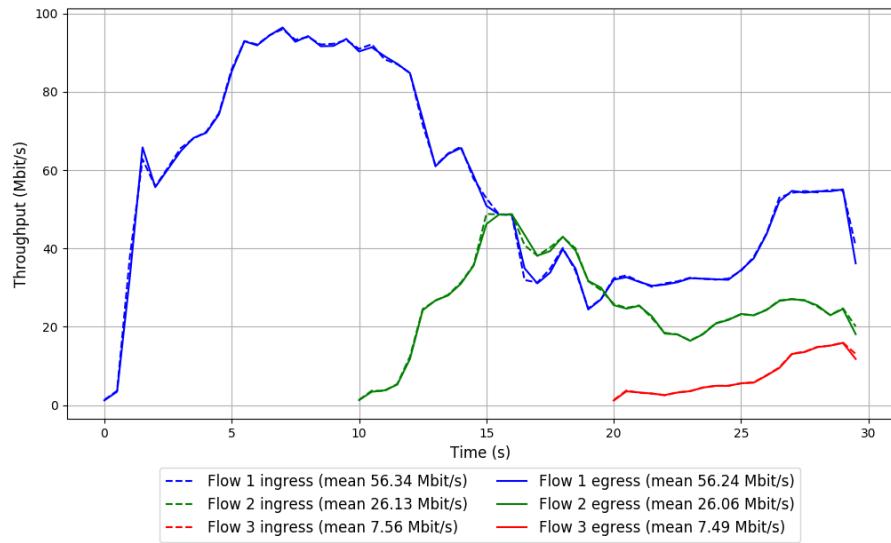


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-13 16:10:54
End at: 2018-02-13 16:11:24
Local clock offset: -0.697 ms
Remote clock offset: 11.334 ms

# Below is generated by plot.py at 2018-02-13 22:19:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 43.608 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 34.096 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 45.228 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 29.325 ms
Loss rate: 1.49%
```

Run 7: Report of Vivace-latency — Data Link

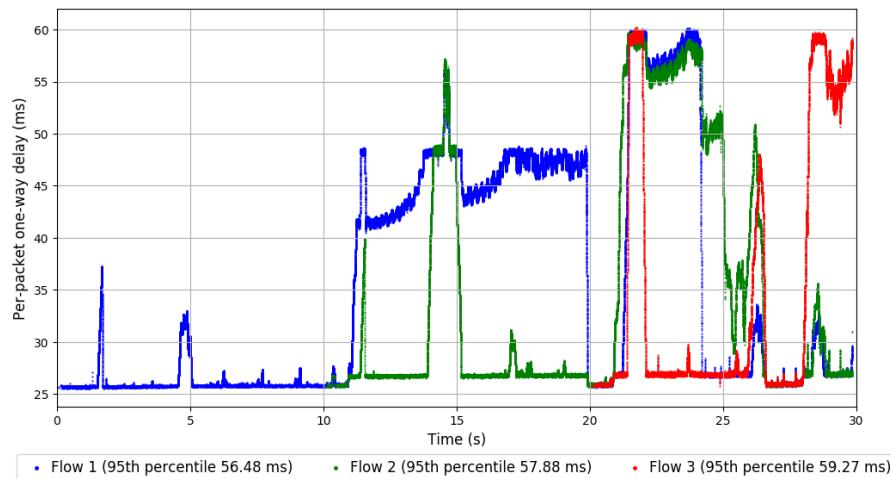
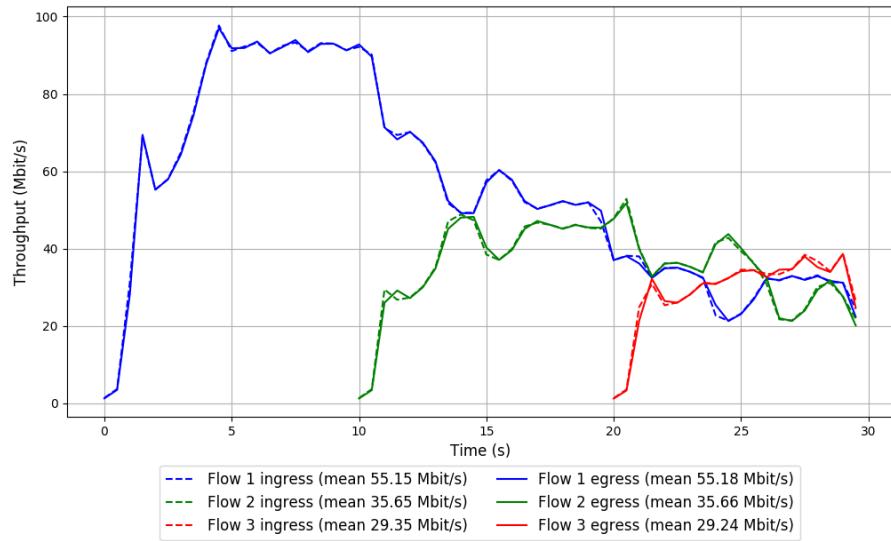


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-13 16:35:39
End at: 2018-02-13 16:36:09
Local clock offset: -0.865 ms
Remote clock offset: 4.377 ms

# Below is generated by plot.py at 2018-02-13 22:20:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 57.539 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 56.485 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 57.882 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 59.265 ms
Loss rate: 1.00%
```

Run 8: Report of Vivace-latency — Data Link

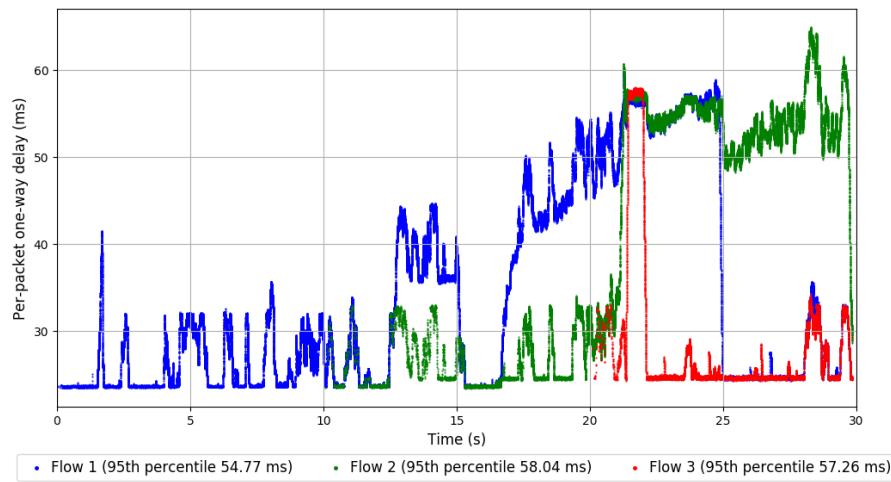
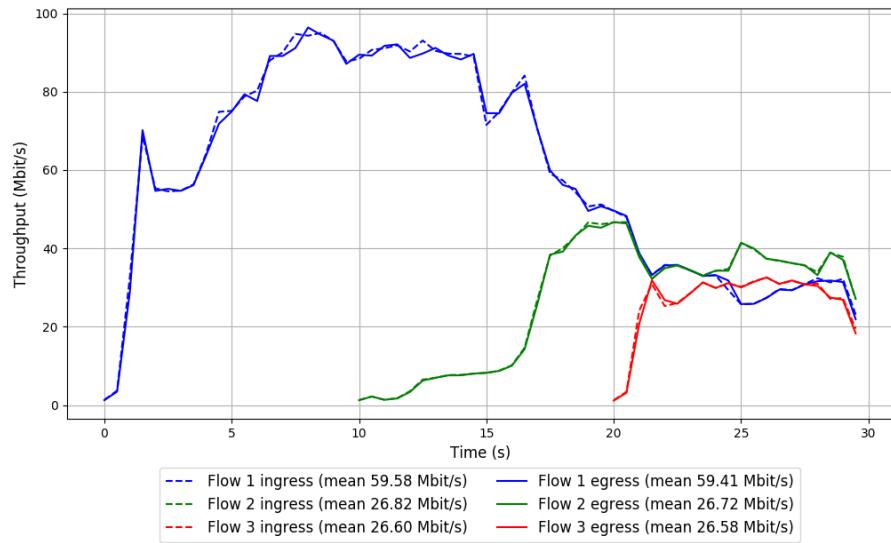


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-13 17:00:26
End at: 2018-02-13 17:00:56
Local clock offset: 1.843 ms
Remote clock offset: 7.361 ms

# Below is generated by plot.py at 2018-02-13 22:20:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 56.472 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 54.773 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 58.042 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 26.58 Mbit/s
95th percentile per-packet one-way delay: 57.260 ms
Loss rate: 0.65%
```

Run 9: Report of Vivace-latency — Data Link

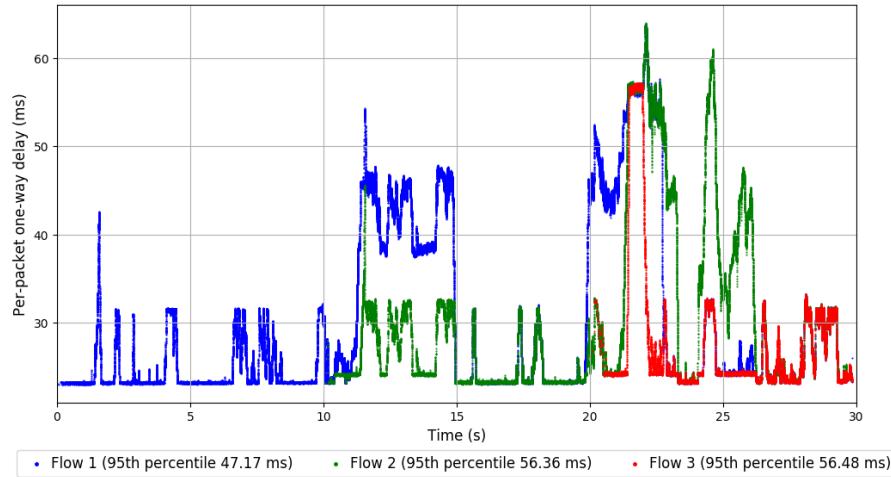
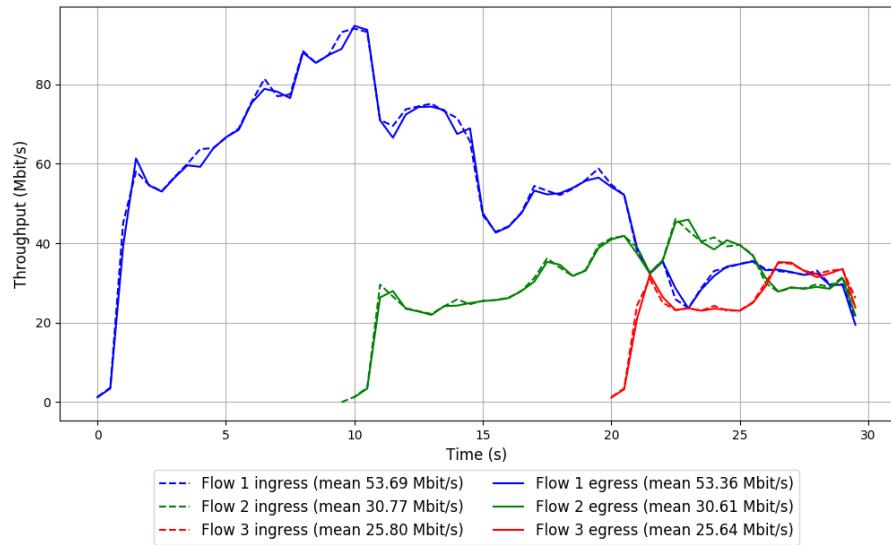


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-13 17:24:56
End at: 2018-02-13 17:25:26
Local clock offset: 1.581 ms
Remote clock offset: 8.022 ms

# Below is generated by plot.py at 2018-02-13 22:20:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 52.865 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 53.36 Mbit/s
95th percentile per-packet one-way delay: 47.171 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 56.362 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 56.484 ms
Loss rate: 1.22%
```

Run 10: Report of Vivace-latency — Data Link

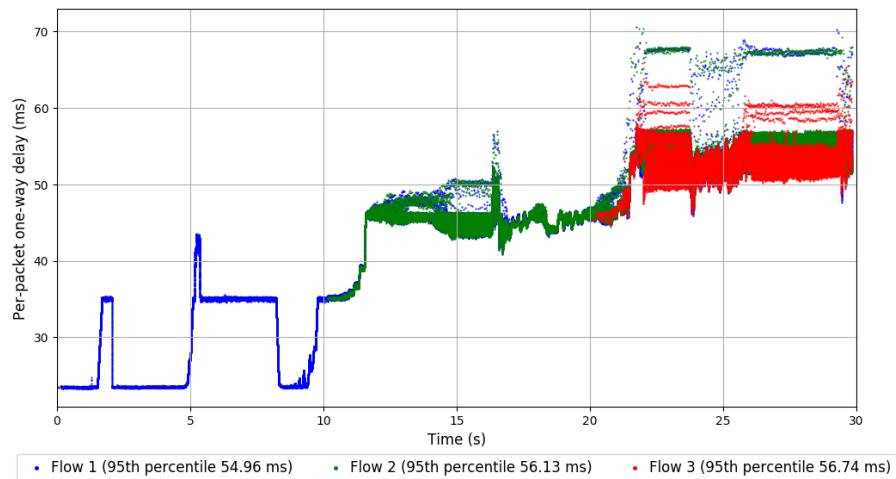
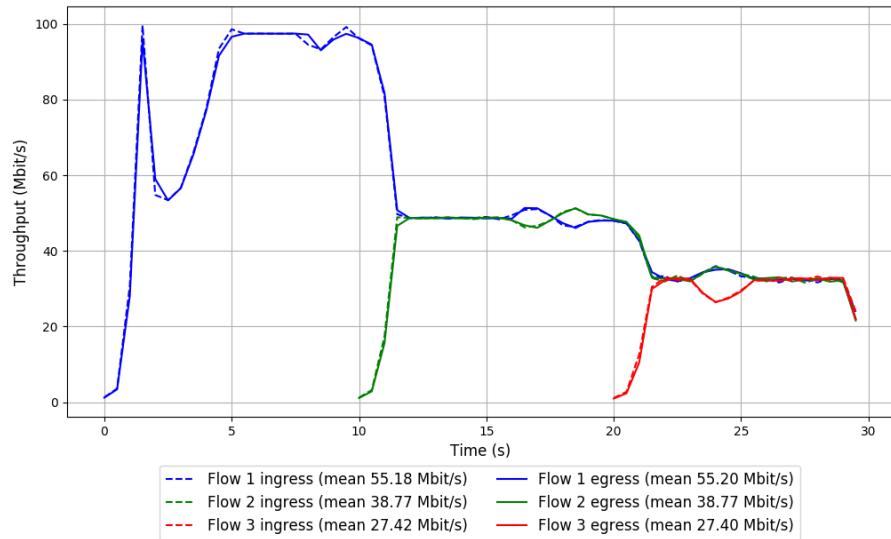


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-13 13:49:32
End at: 2018-02-13 13:50:02
Local clock offset: -0.838 ms
Remote clock offset: 2.155 ms

# Below is generated by plot.py at 2018-02-13 22:20:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 55.703 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: 54.963 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 56.127 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 27.40 Mbit/s
95th percentile per-packet one-way delay: 56.741 ms
Loss rate: 1.02%
```

Run 1: Report of Vivace-loss — Data Link

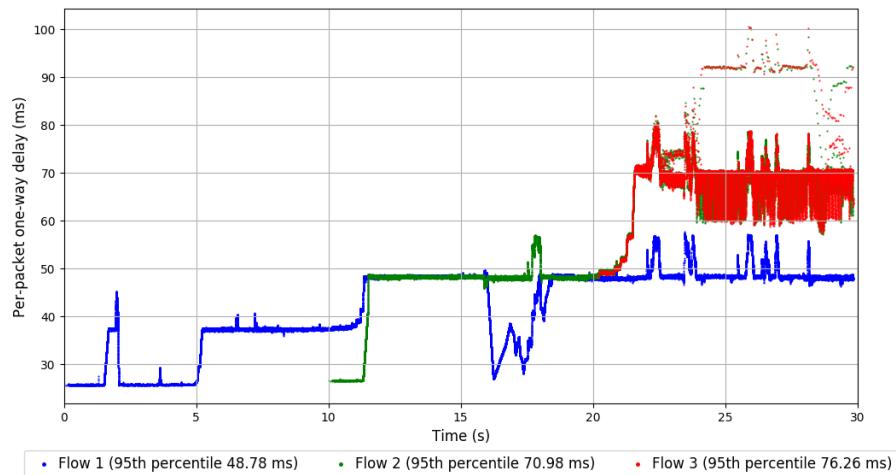
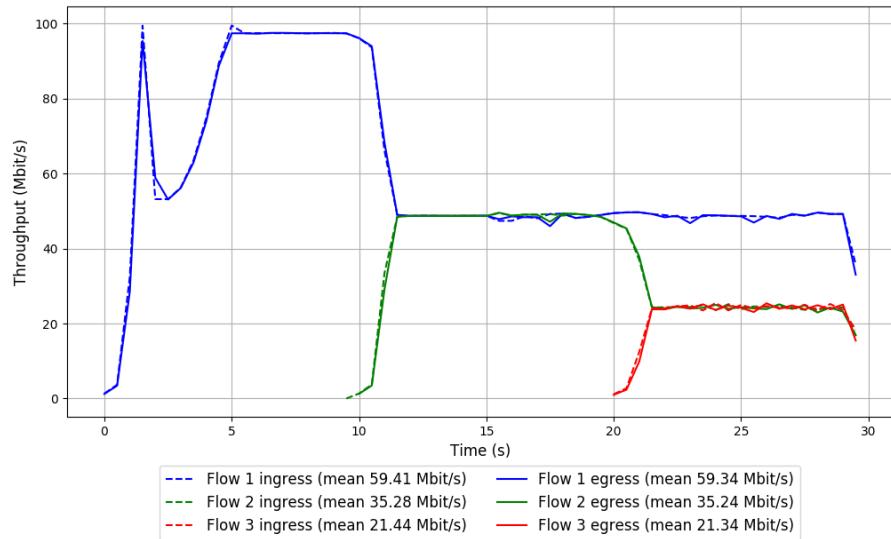


Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-13 14:14:03
End at: 2018-02-13 14:14:33
Local clock offset: 2.007 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2018-02-13 22:20:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 70.297 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 48.784 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 70.976 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 76.259 ms
Loss rate: 1.52%
```

Run 2: Report of Vivace-loss — Data Link

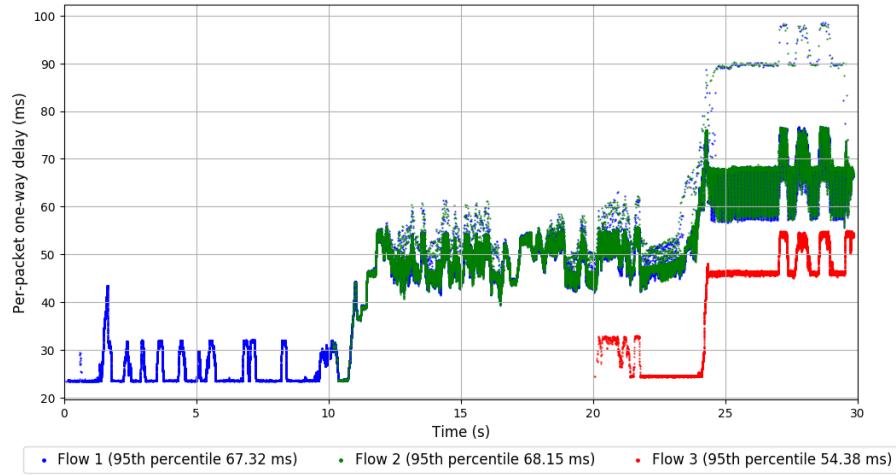
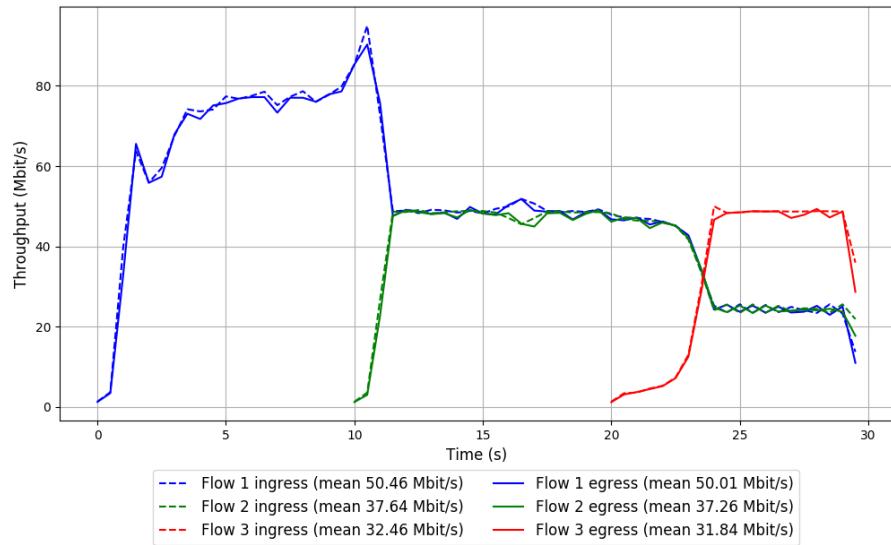


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-13 14:38:46
End at: 2018-02-13 14:39:16
Local clock offset: 1.212 ms
Remote clock offset: 1.835 ms

# Below is generated by plot.py at 2018-02-13 22:20:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 67.729 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 67.318 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 68.152 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 54.378 ms
Loss rate: 2.56%
```

Run 3: Report of Vivace-loss — Data Link

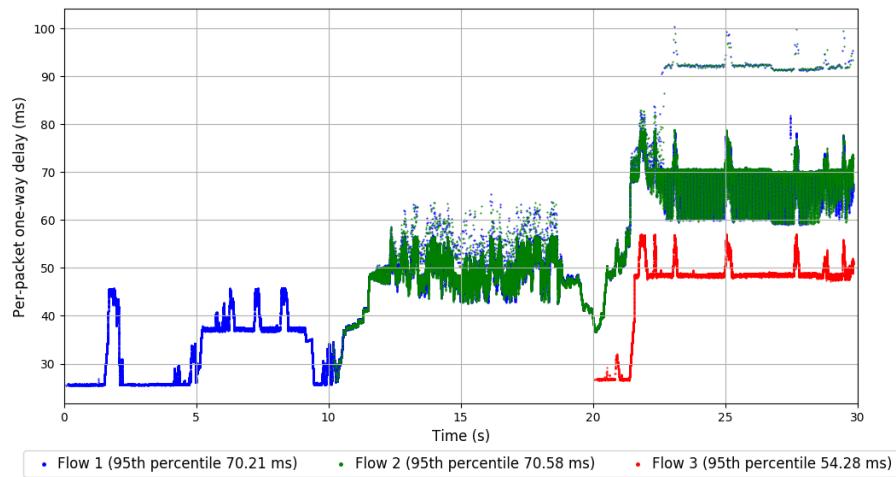
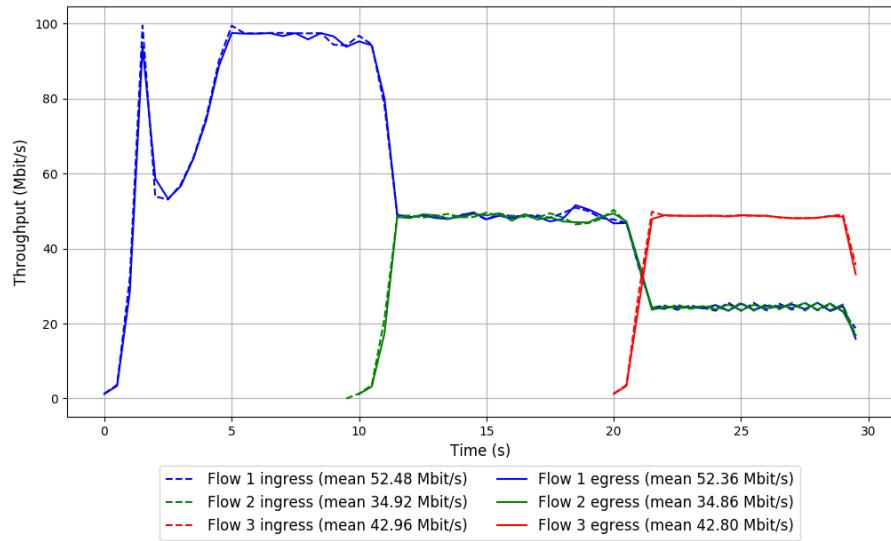


Run 4: Statistics of Vivace-loss

```
Start at: 2018-02-13 15:03:46
End at: 2018-02-13 15:04:16
Local clock offset: 0.756 ms
Remote clock offset: 6.236 ms

# Below is generated by plot.py at 2018-02-13 22:21:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 70.304 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 70.208 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 70.577 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 54.283 ms
Loss rate: 1.03%
```

Run 4: Report of Vivace-loss — Data Link

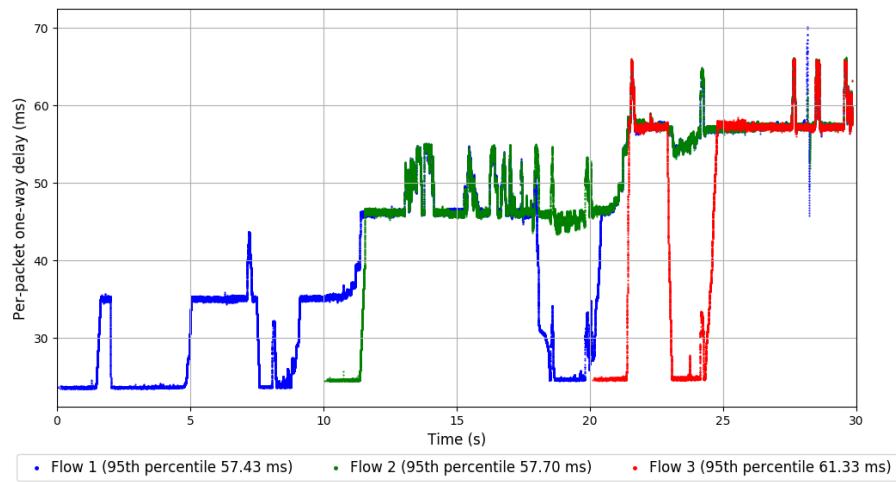
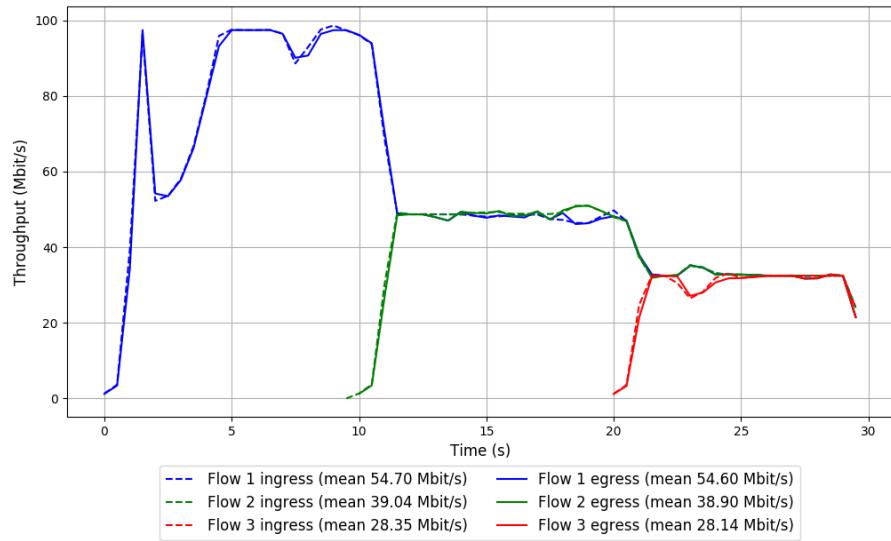


Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-13 15:28:42
End at: 2018-02-13 15:29:12
Local clock offset: 0.98 ms
Remote clock offset: 13.214 ms

# Below is generated by plot.py at 2018-02-13 22:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 57.597 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 57.426 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 57.703 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 61.334 ms
Loss rate: 1.42%
```

Run 5: Report of Vivace-loss — Data Link

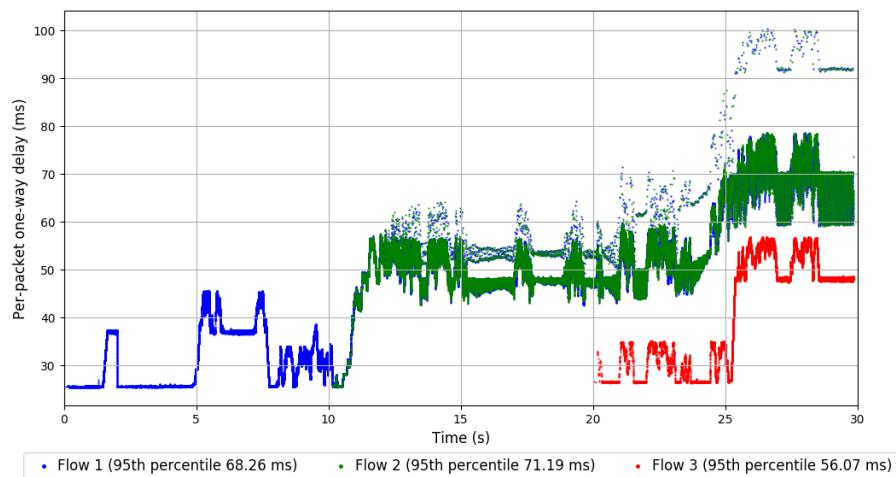
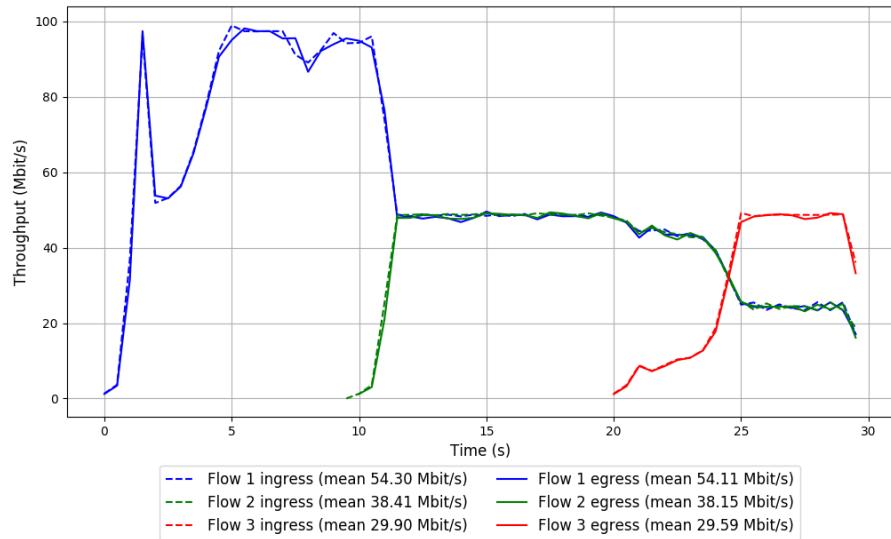


Run 6: Statistics of Vivace-loss

```
Start at: 2018-02-13 15:53:38
End at: 2018-02-13 15:54:08
Local clock offset: -0.551 ms
Remote clock offset: 14.242 ms

# Below is generated by plot.py at 2018-02-13 22:21:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.16 Mbit/s
95th percentile per-packet one-way delay: 69.683 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 68.261 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 71.194 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 56.068 ms
Loss rate: 1.71%
```

Run 6: Report of Vivace-loss — Data Link

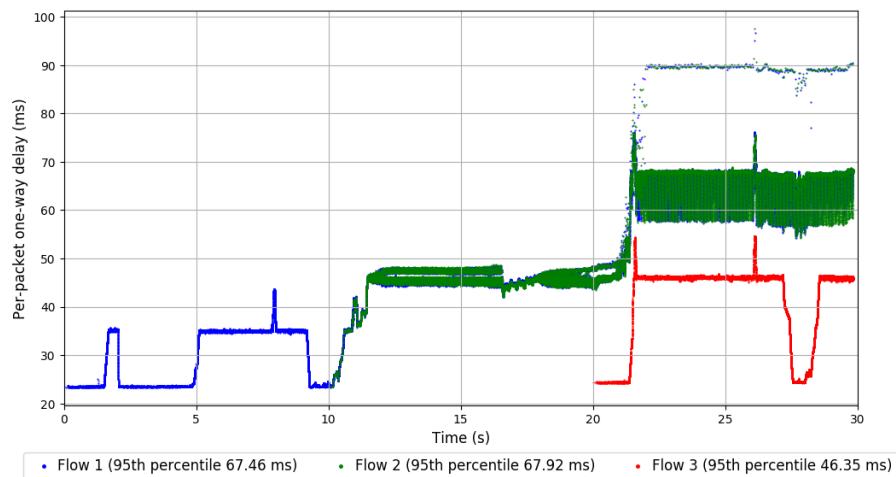
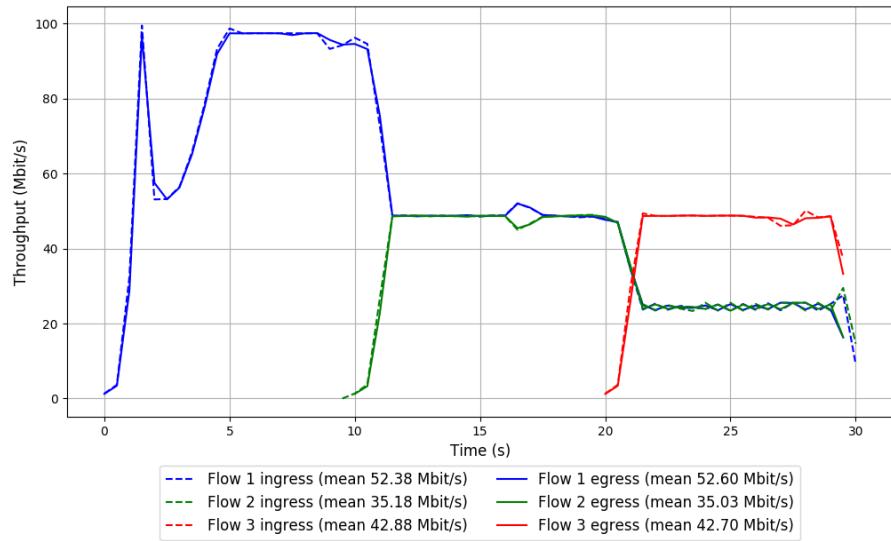


Run 7: Statistics of Vivace-loss

```
Start at: 2018-02-13 16:20:33
End at: 2018-02-13 16:21:03
Local clock offset: -0.823 ms
Remote clock offset: 8.329 ms

# Below is generated by plot.py at 2018-02-13 22:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 67.602 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 52.60 Mbit/s
95th percentile per-packet one-way delay: 67.459 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 67.918 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 46.353 ms
Loss rate: 1.09%
```

Run 7: Report of Vivace-loss — Data Link

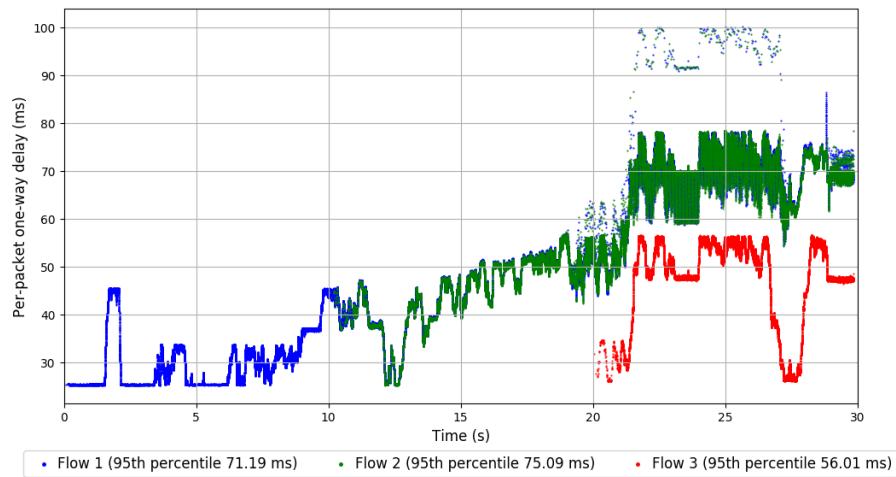
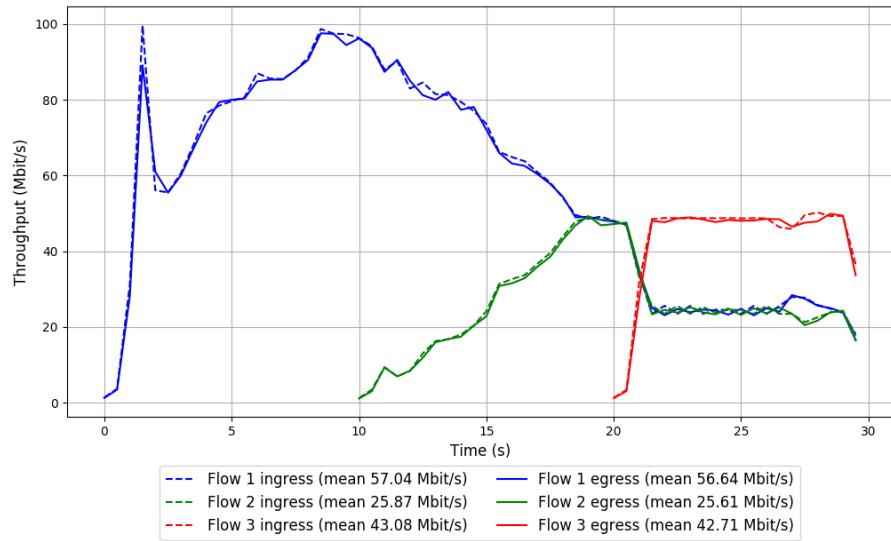


Run 8: Statistics of Vivace-loss

```
Start at: 2018-02-13 16:45:05
End at: 2018-02-13 16:45:35
Local clock offset: -0.216 ms
Remote clock offset: 5.974 ms

# Below is generated by plot.py at 2018-02-13 22:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 72.494 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 71.193 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 75.086 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 56.006 ms
Loss rate: 1.57%
```

Run 8: Report of Vivace-loss — Data Link

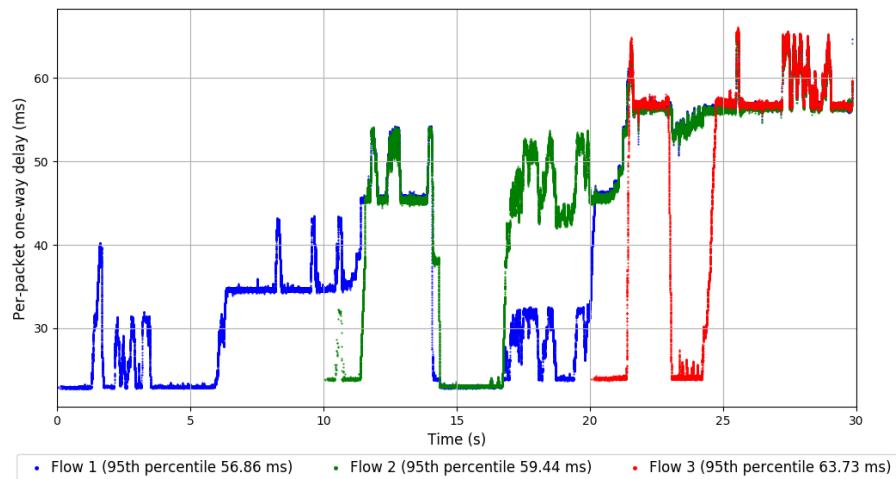
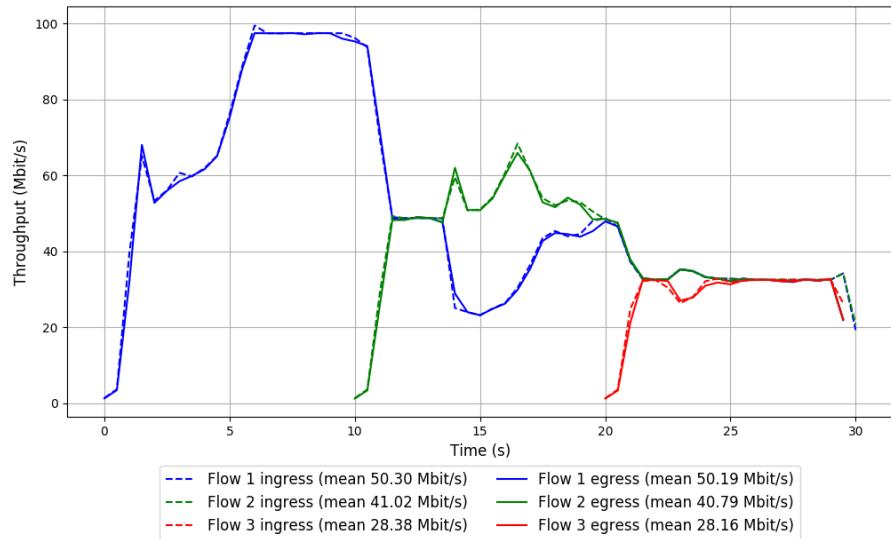


Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-13 17:09:50
End at: 2018-02-13 17:10:20
Local clock offset: 2.443 ms
Remote clock offset: 7.505 ms

# Below is generated by plot.py at 2018-02-13 22:21:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 59.267 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 50.19 Mbit/s
95th percentile per-packet one-way delay: 56.864 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 59.443 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 63.732 ms
Loss rate: 1.65%
```

Run 9: Report of Vivace-loss — Data Link

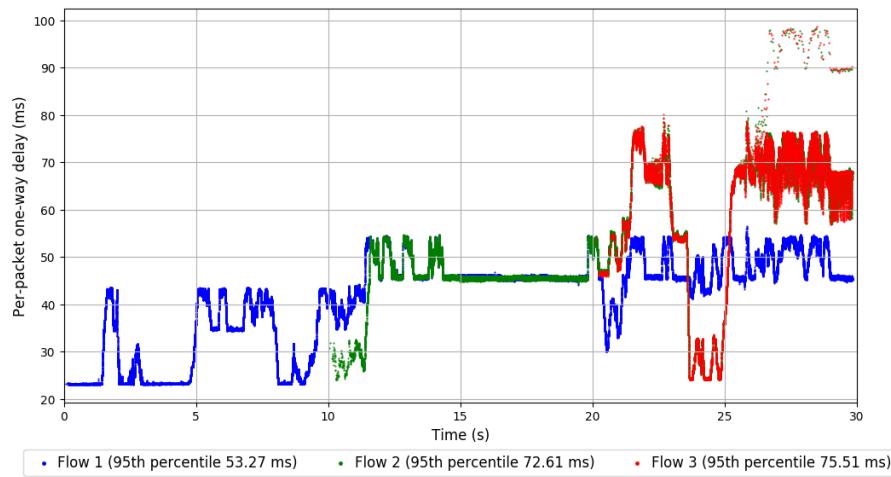
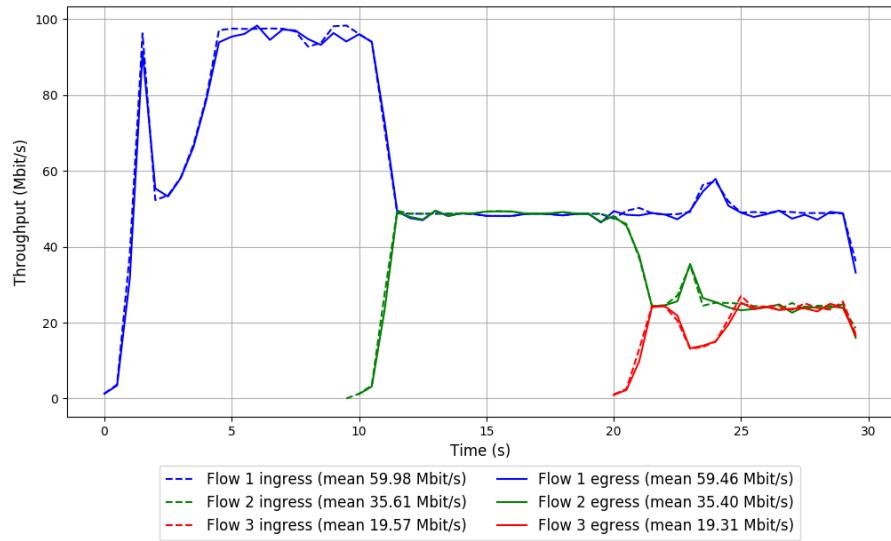


Run 10: Statistics of Vivace-loss

```
Start at: 2018-02-13 17:34:35
End at: 2018-02-13 17:35:05
Local clock offset: 1.298 ms
Remote clock offset: 8.355 ms

# Below is generated by plot.py at 2018-02-13 22:22:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 68.841 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 53.273 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 35.40 Mbit/s
95th percentile per-packet one-way delay: 72.609 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 75.511 ms
Loss rate: 2.39%
```

Run 10: Report of Vivace-loss — Data Link

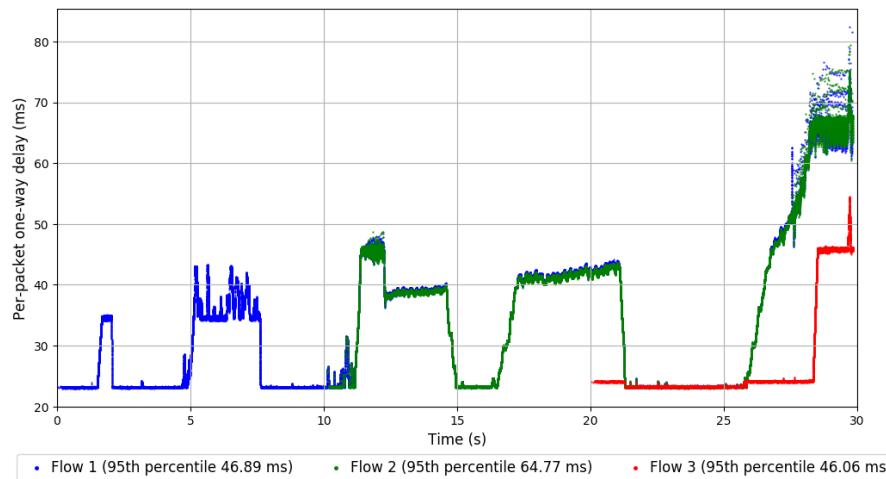
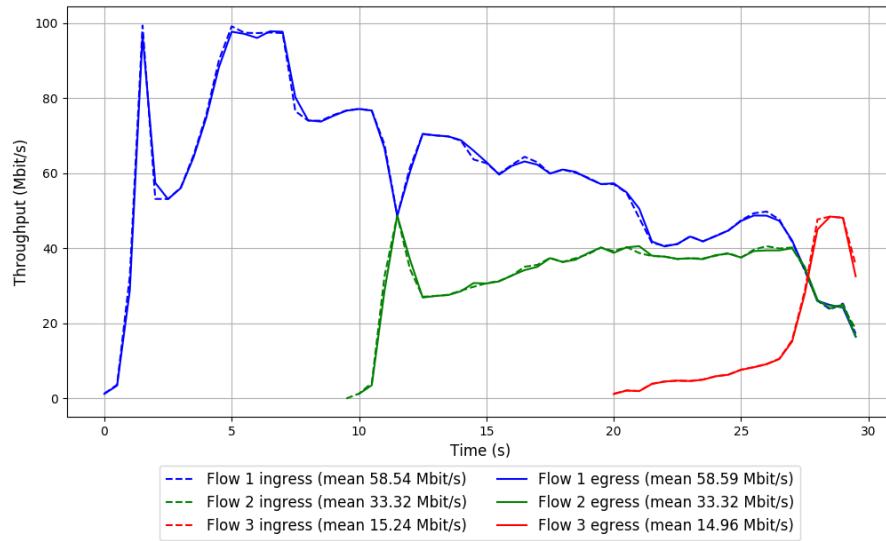


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-13 13:31:43
End at: 2018-02-13 13:32:13
Local clock offset: -0.581 ms
Remote clock offset: 2.343 ms

# Below is generated by plot.py at 2018-02-13 22:22:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 50.720 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 46.891 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.32 Mbit/s
95th percentile per-packet one-way delay: 64.771 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 46.065 ms
Loss rate: 2.49%
```

Run 1: Report of Vivace-LTE — Data Link

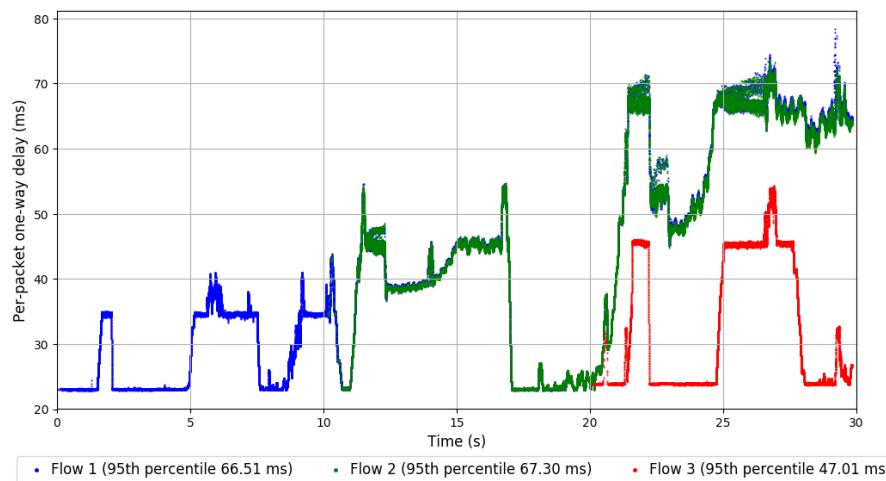
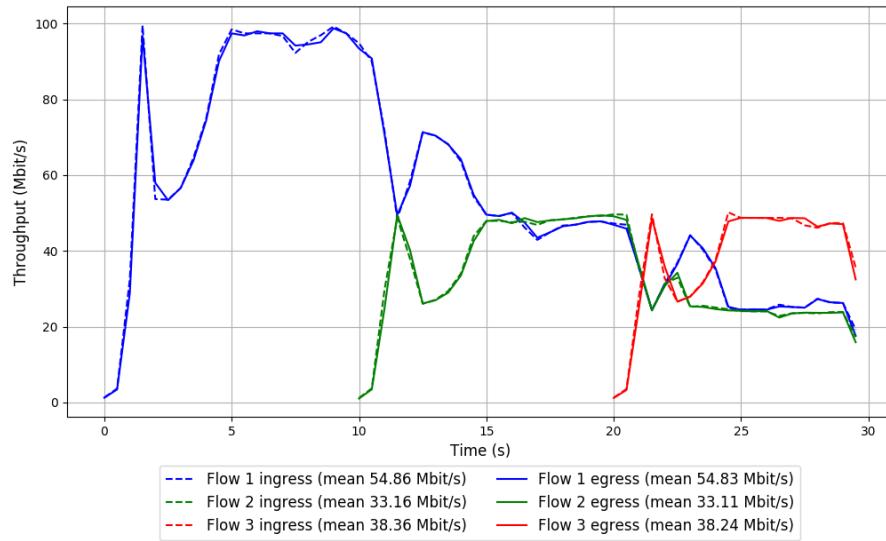


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-13 13:56:18
End at: 2018-02-13 13:56:48
Local clock offset: 0.516 ms
Remote clock offset: 2.232 ms

# Below is generated by plot.py at 2018-02-13 22:22:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 66.784 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 66.509 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 67.297 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 47.011 ms
Loss rate: 0.87%
```

Run 2: Report of Vivace-LTE — Data Link

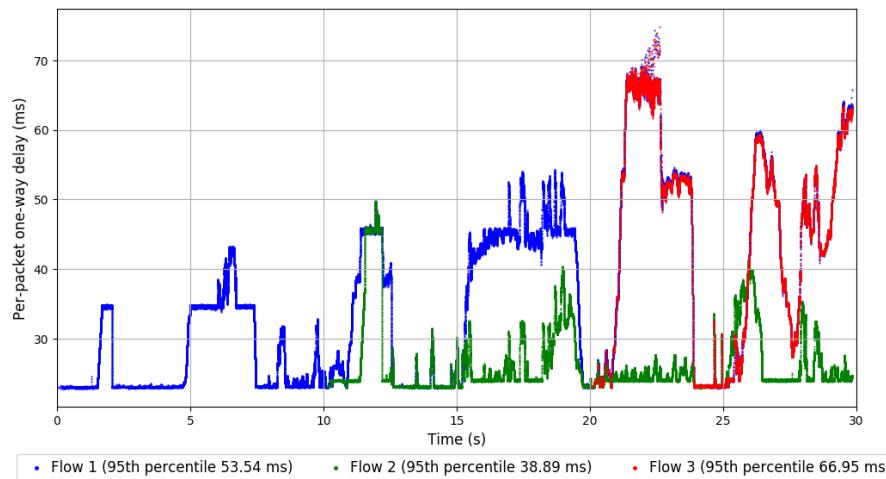
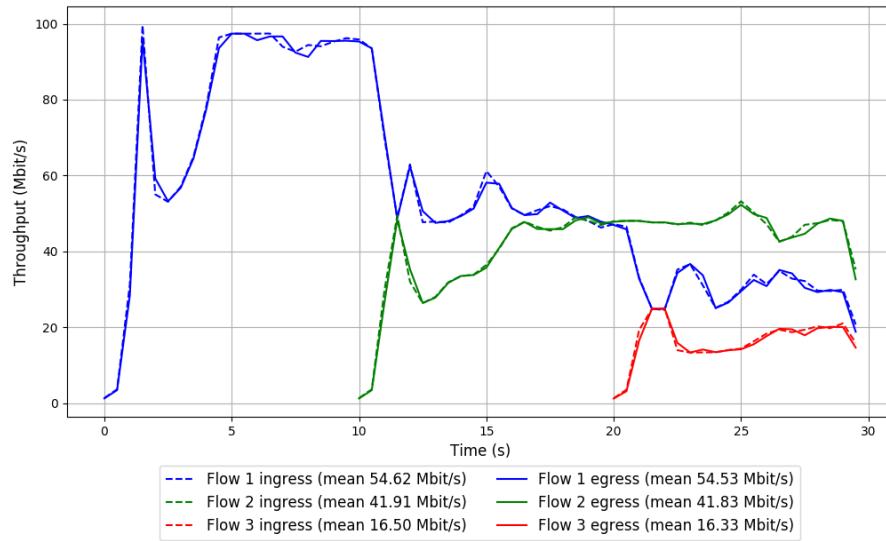


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-13 14:20:50
End at: 2018-02-13 14:21:20
Local clock offset: 2.209 ms
Remote clock offset: 2.435 ms

# Below is generated by plot.py at 2018-02-13 22:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 54.034 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 53.540 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 38.893 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 66.946 ms
Loss rate: 1.58%
```

Run 3: Report of Vivace-LTE — Data Link

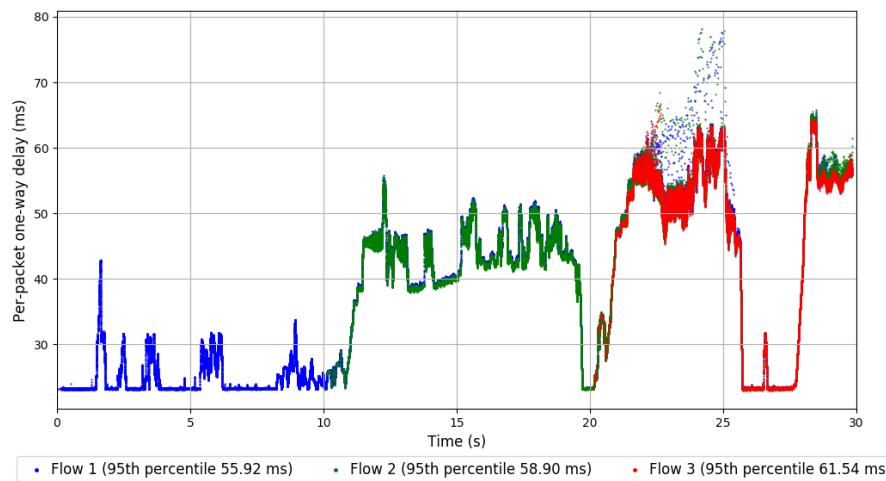
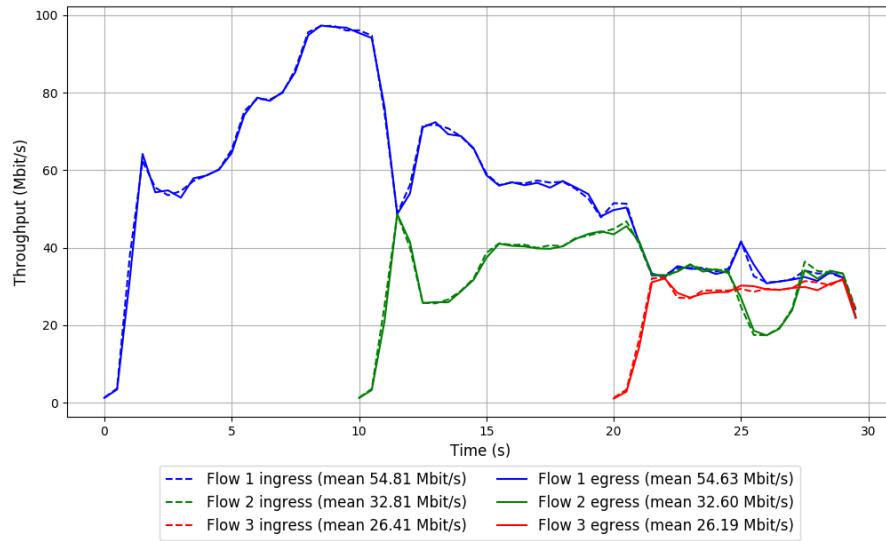


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-13 14:45:46
End at: 2018-02-13 14:46:16
Local clock offset: 1.006 ms
Remote clock offset: 2.332 ms

# Below is generated by plot.py at 2018-02-13 22:22:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 57.436 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 55.923 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 58.903 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 61.536 ms
Loss rate: 1.47%
```

Run 4: Report of Vivace-LTE — Data Link

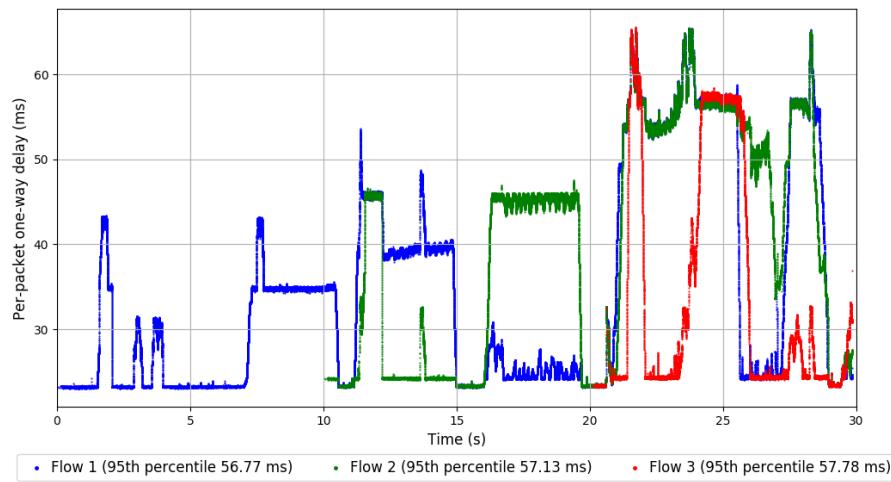
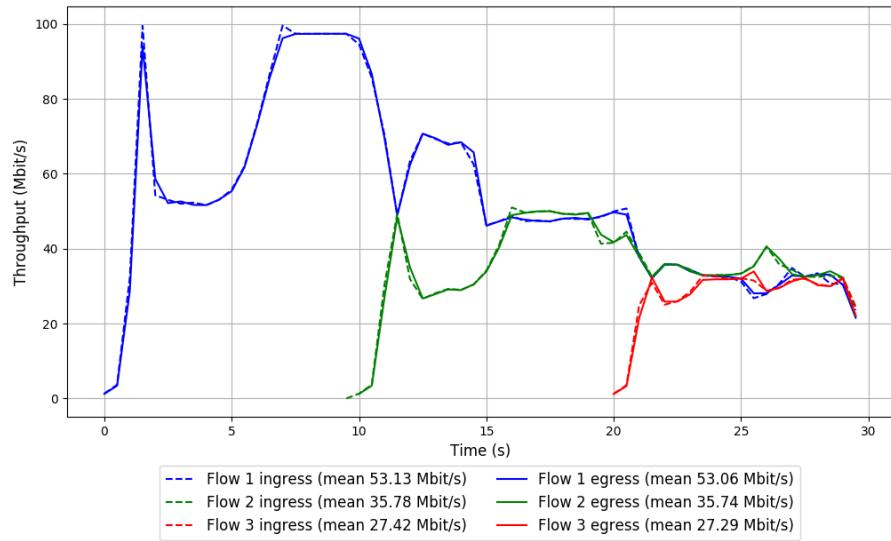


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-13 15:10:46
End at: 2018-02-13 15:11:16
Local clock offset: 0.91 ms
Remote clock offset: 10.792 ms

# Below is generated by plot.py at 2018-02-13 22:22:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 57.143 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 56.769 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 57.132 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 57.785 ms
Loss rate: 0.97%
```

Run 5: Report of Vivace-LTE — Data Link

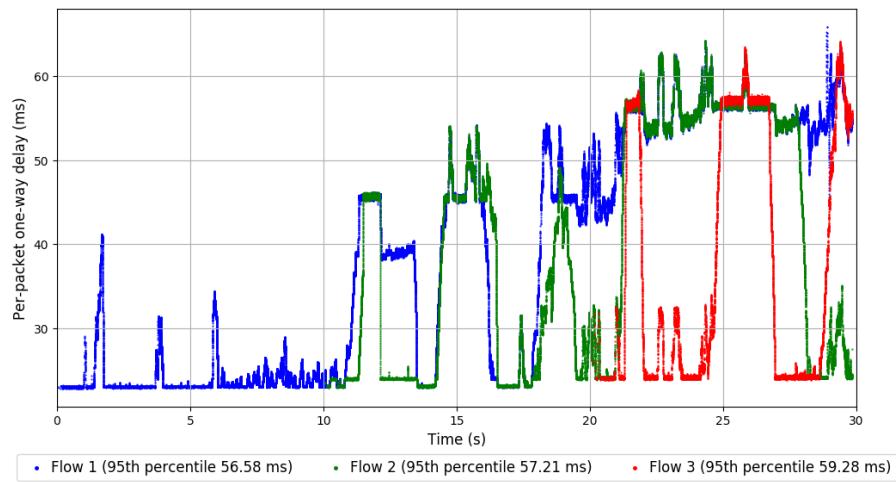
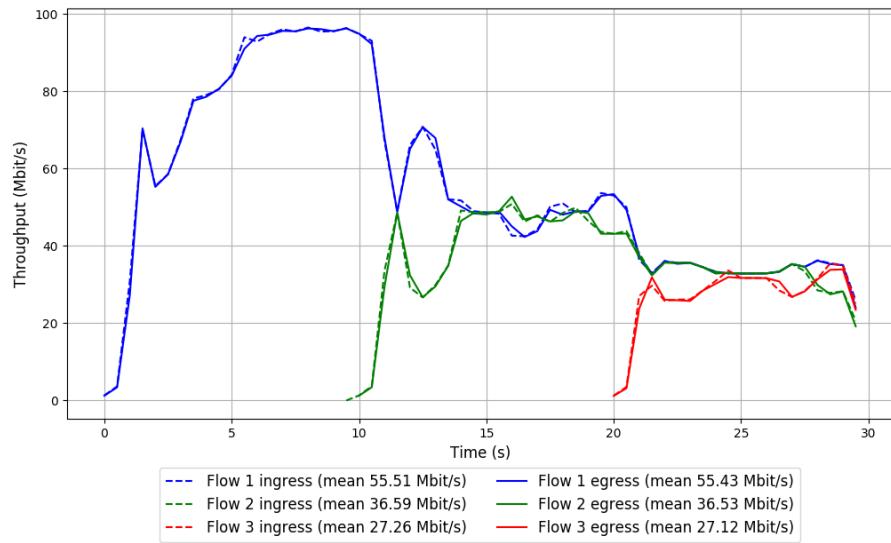


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-13 15:35:36
End at: 2018-02-13 15:36:06
Local clock offset: 0.588 ms
Remote clock offset: 14.634 ms

# Below is generated by plot.py at 2018-02-13 22:22:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.62 Mbit/s
95th percentile per-packet one-way delay: 57.236 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 55.43 Mbit/s
95th percentile per-packet one-way delay: 56.581 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 57.210 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 59.281 ms
Loss rate: 1.21%
```

Run 6: Report of Vivace-LTE — Data Link

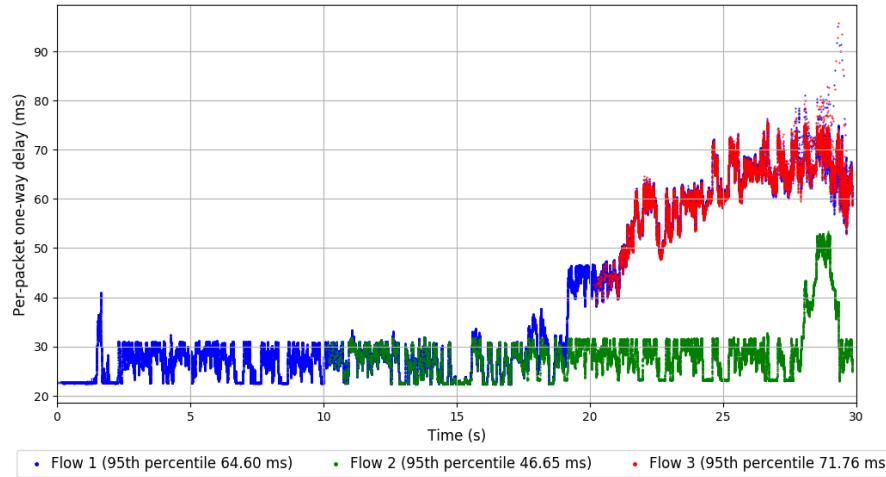
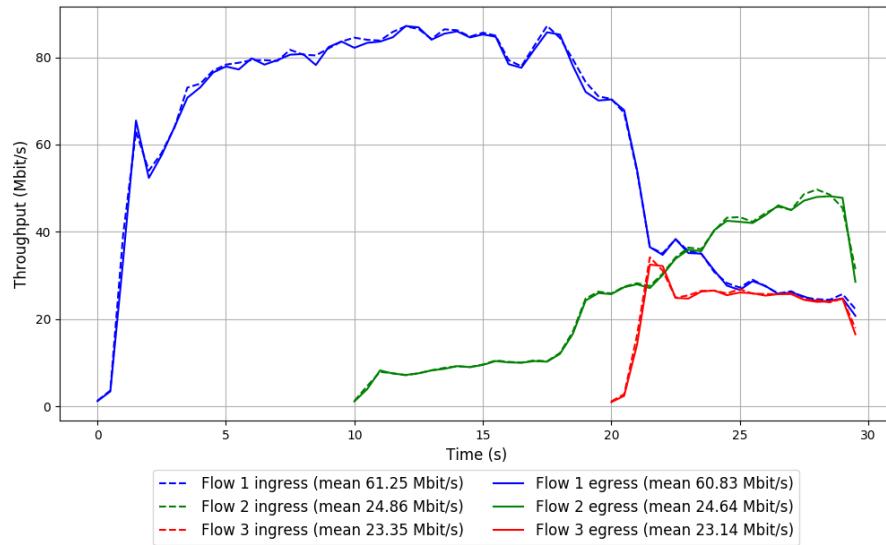


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-13 16:01:30
End at: 2018-02-13 16:02:00
Local clock offset: -0.703 ms
Remote clock offset: 17.7 ms

# Below is generated by plot.py at 2018-02-13 22:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 66.289 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 64.601 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 46.648 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 23.14 Mbit/s
95th percentile per-packet one-way delay: 71.759 ms
Loss rate: 1.62%
```

Run 7: Report of Vivace-LTE — Data Link

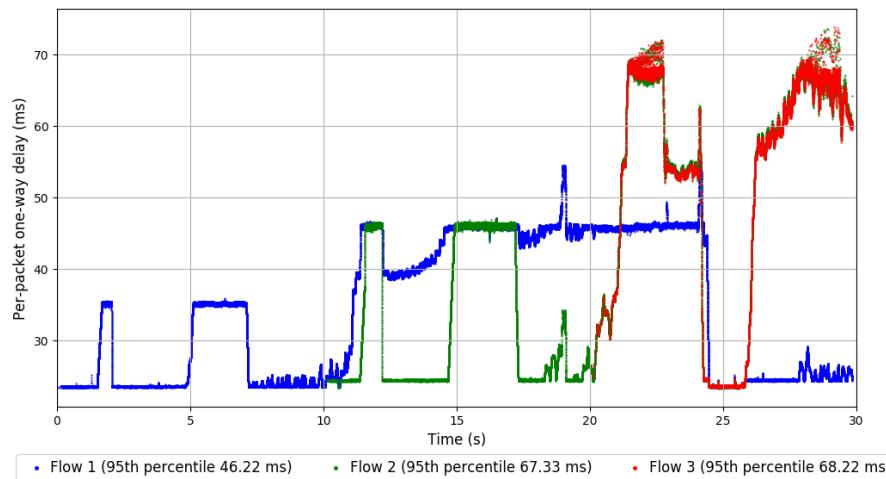
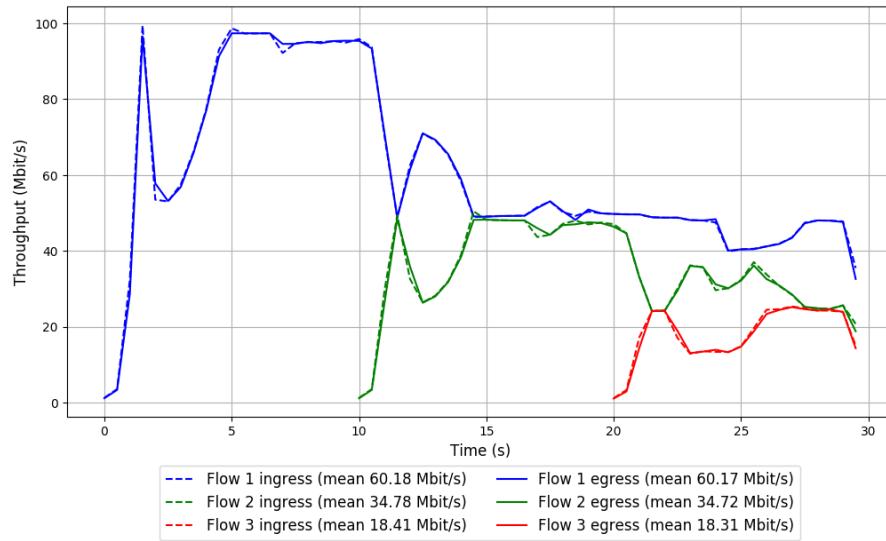


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-13 16:27:20
End at: 2018-02-13 16:27:51
Local clock offset: -0.8 ms
Remote clock offset: 7.39 ms

# Below is generated by plot.py at 2018-02-13 22:23:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 65.615 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 60.17 Mbit/s
95th percentile per-packet one-way delay: 46.218 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 67.326 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 68.216 ms
Loss rate: 1.10%
```

Run 8: Report of Vivace-LTE — Data Link

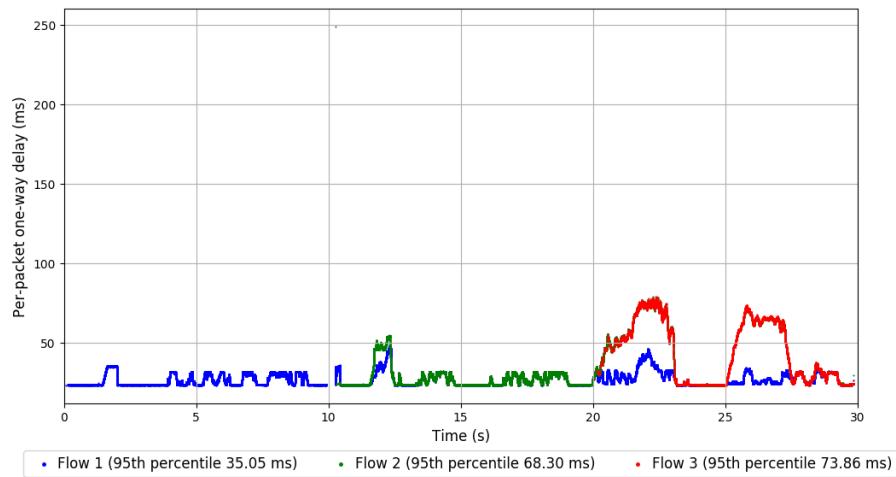
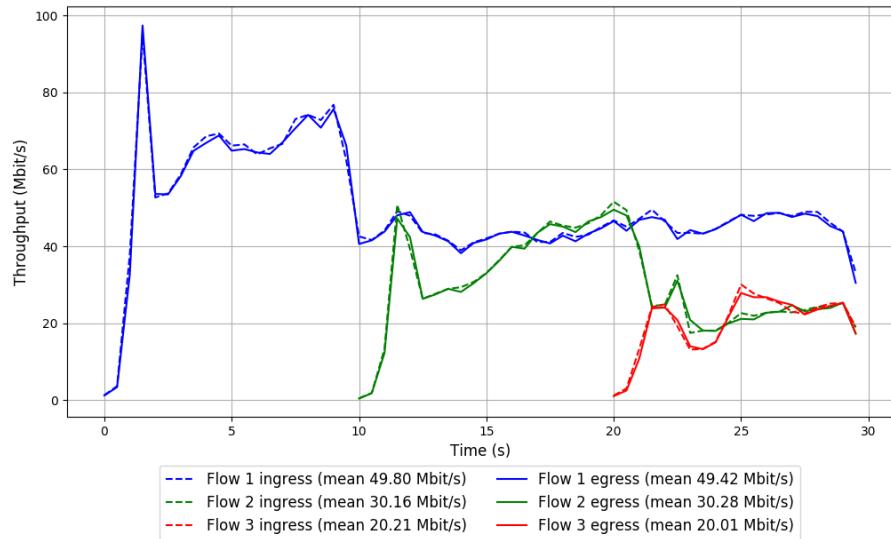


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-13 16:52:02
End at: 2018-02-13 16:52:32
Local clock offset: 1.066 ms
Remote clock offset: 7.992 ms

# Below is generated by plot.py at 2018-02-13 22:23:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.88 Mbit/s
95th percentile per-packet one-way delay: 63.907 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 35.051 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 68.304 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: 73.860 ms
Loss rate: 1.57%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-13 17:16:38
End at: 2018-02-13 17:17:08
Local clock offset: 2.516 ms
Remote clock offset: 7.248 ms

# Below is generated by plot.py at 2018-02-13 22:23:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 50.801 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 64.75 Mbit/s
95th percentile per-packet one-way delay: 45.186 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 56.498 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 57.133 ms
Loss rate: 1.03%
```

Run 10: Report of Vivace-LTE — Data Link

