

Pantheon Report

Generated at 2018-02-02 07:05:38 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

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).

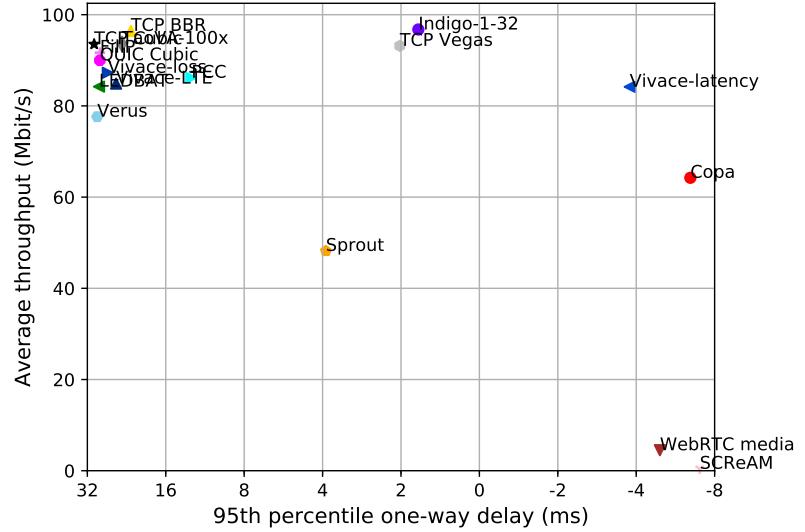
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

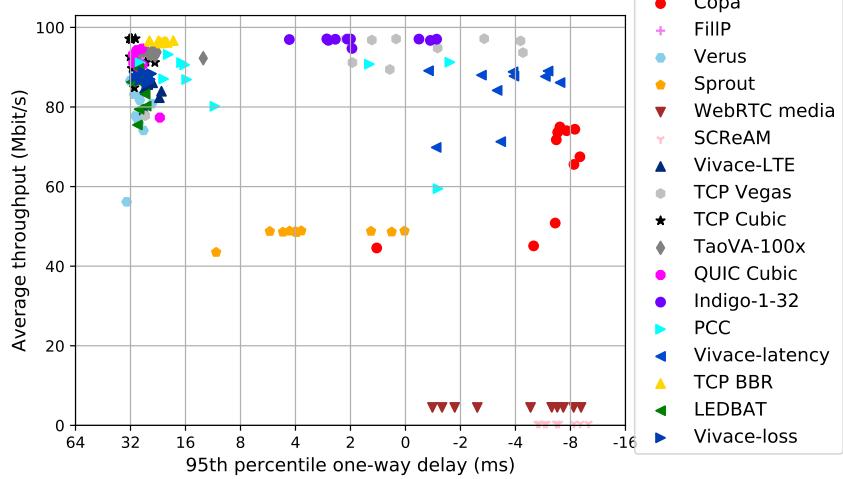
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
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 @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
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 AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



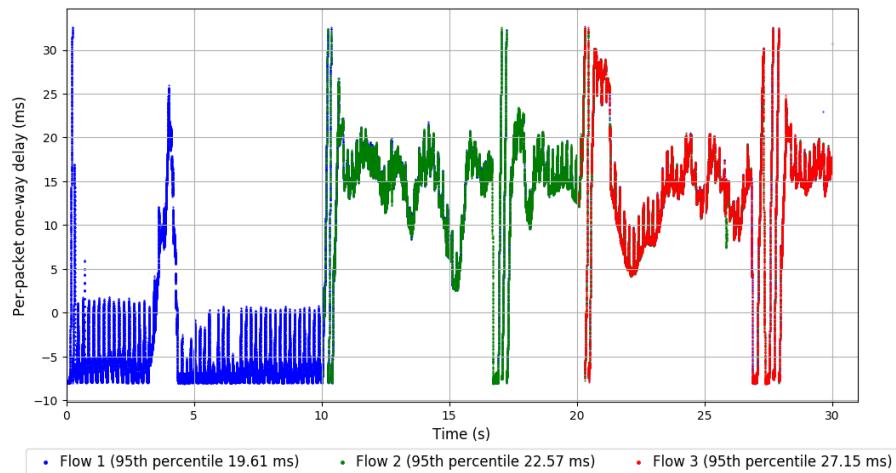
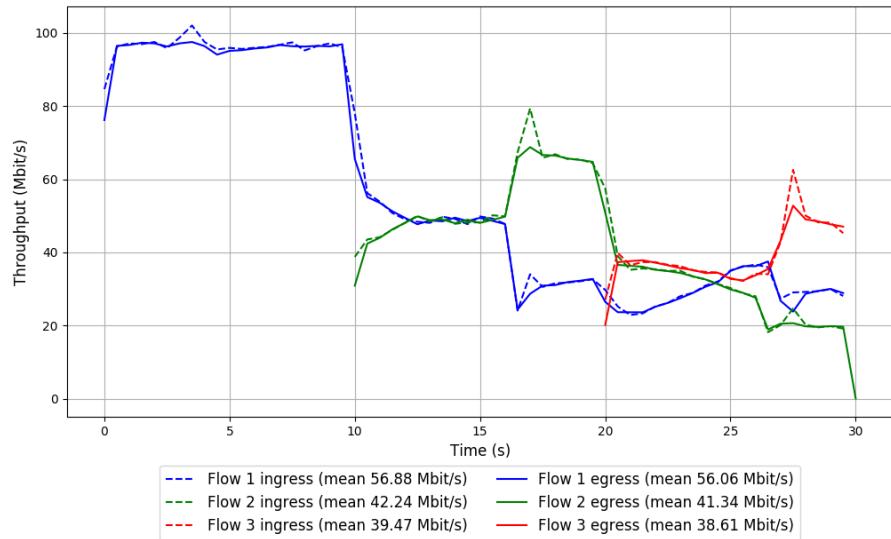
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.21	40.97	39.01	19.66	23.53	25.64	1.03	1.99	2.28
TCP Cubic	10	61.07	35.12	27.60	30.23	29.19	29.48	0.68	0.72	0.65
LEDBAT	10	50.43	37.39	28.77	28.63	29.19	28.43	0.33	0.49	0.75
PCC	10	68.65	22.37	8.00	12.41	13.90	8.97	0.80	0.86	0.59
QUIC Cubic	10	58.75	34.08	26.19	28.38	29.00	28.02	1.24	1.70	2.07
SCReAM	10	0.21	0.21	0.22	-6.74	-7.38	-7.20	0.00	0.00	0.00
WebRTC media	10	2.35	1.51	0.65	-5.12	-5.01	-4.21	0.00	0.01	0.00
Sprout	10	24.24	24.14	23.92	3.39	4.17	4.08	0.00	0.00	0.01
TaoVA-100x	10	55.72	40.32	33.21	19.96	24.50	27.11	3.84	7.86	17.27
TCP Vegas	10	53.77	40.21	38.03	3.21	-1.24	-3.57	0.16	0.00	0.01
Verus	10	48.12	34.58	22.23	29.07	29.80	29.21	30.77	37.39	31.60
Copa	10	32.75	32.51	29.62	-6.45	-7.29	-7.18	0.00	0.00	0.01
FillP	10	54.18	37.52	37.87	27.20	29.66	29.92	14.24	24.10	27.27
Indigo-1-32	10	54.12	40.64	47.87	1.17	1.64	2.55	0.04	0.00	0.00
Vivace-latency	10	56.28	31.90	20.32	-4.12	-2.96	-3.29	0.04	0.04	0.03
Vivace-loss	10	60.74	30.03	19.99	26.64	26.47	26.84	12.83	14.26	14.33
Vivace-LTE	10	56.05	30.74	25.50	22.93	26.66	26.72	1.57	2.26	2.97

Run 1: Statistics of TCP BBR

```
Start at: 2018-02-02 02:19:52
End at: 2018-02-02 02:20:22
Local clock offset: 4.364 ms
Remote clock offset: -21.005 ms

# Below is generated by plot.py at 2018-02-02 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 21.091 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 19.614 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 22.573 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 27.154 ms
Loss rate: 2.15%
```

Run 1: Report of TCP BBR — Data Link

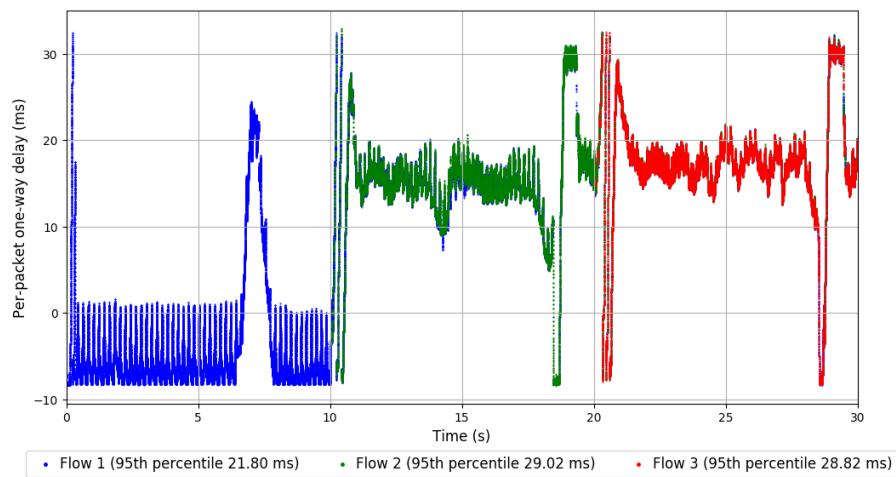
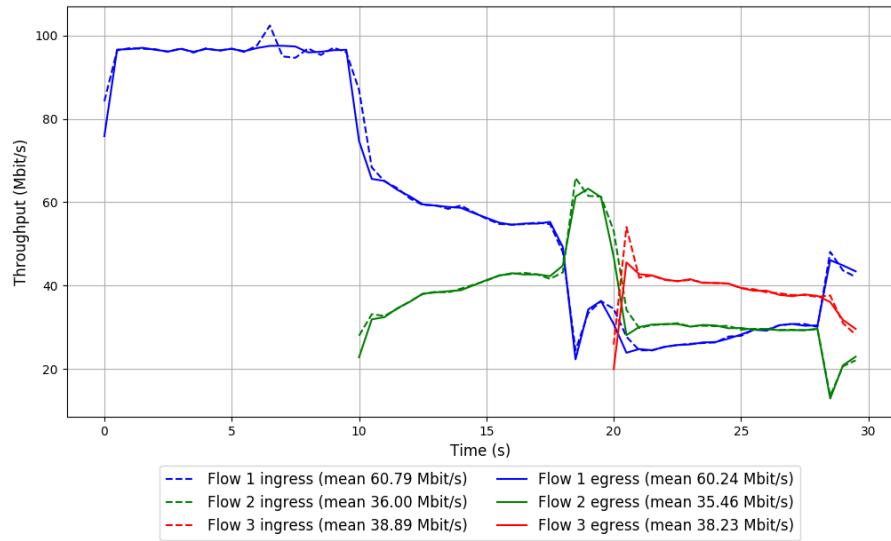


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-02 02:42:25
End at: 2018-02-02 02:42:55
Local clock offset: 5.549 ms
Remote clock offset: -20.437 ms

# Below is generated by plot.py at 2018-02-02 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 25.185 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 60.24 Mbit/s
95th percentile per-packet one-way delay: 21.797 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 29.022 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 28.823 ms
Loss rate: 1.67%
```

Run 2: Report of TCP BBR — Data Link

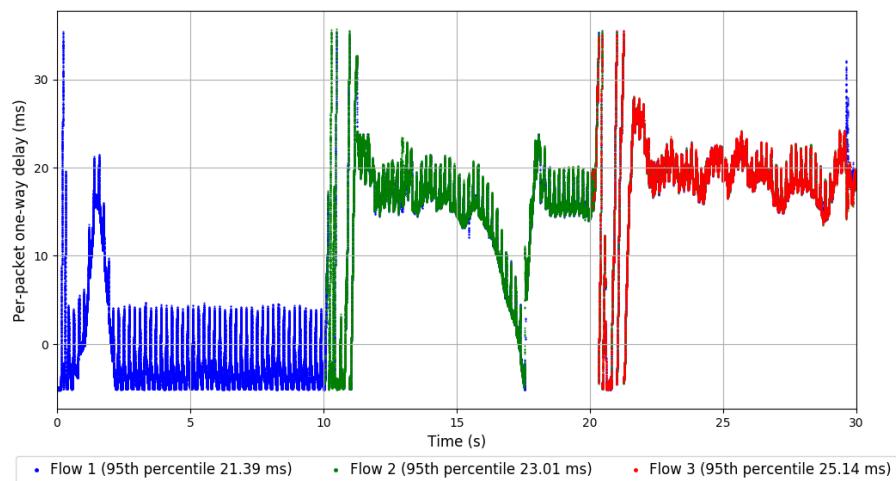
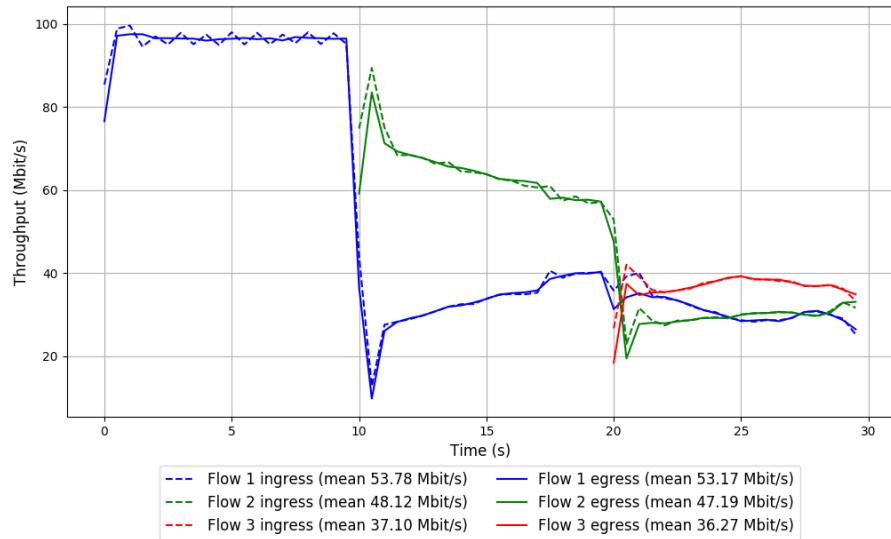


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-02 03:05:07
End at: 2018-02-02 03:05:37
Local clock offset: 4.219 ms
Remote clock offset: -18.778 ms

# Below is generated by plot.py at 2018-02-02 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 22.514 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 21.392 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 23.008 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 25.143 ms
Loss rate: 2.23%
```

Run 3: Report of TCP BBR — Data Link

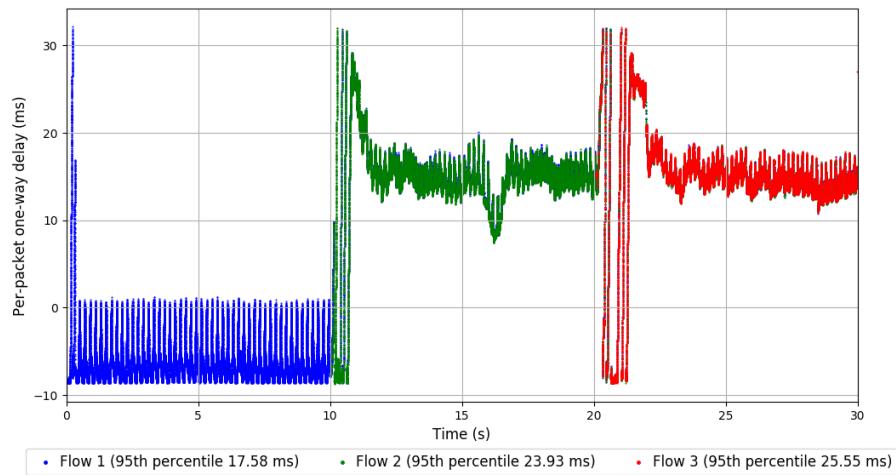
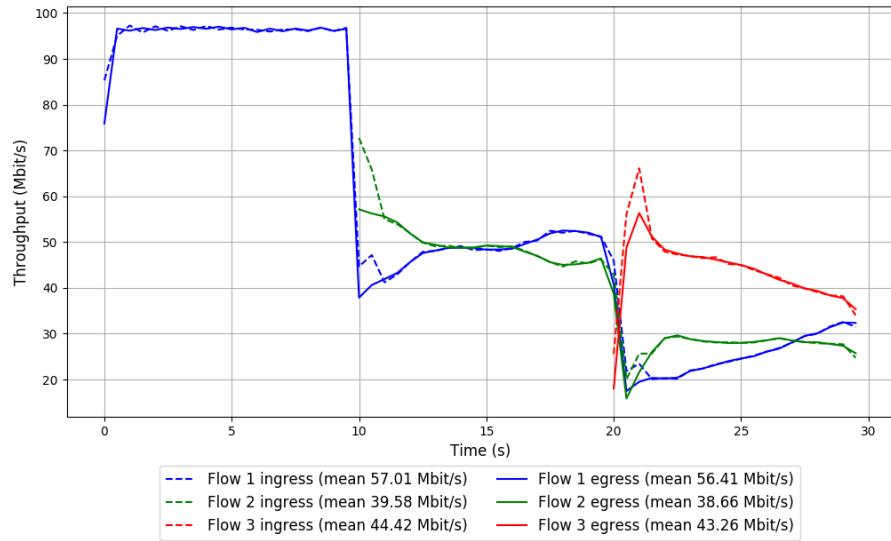


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-02 03:27:57
End at: 2018-02-02 03:28:27
Local clock offset: 8.269 ms
Remote clock offset: -21.209 ms

# Below is generated by plot.py at 2018-02-02 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 20.650 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 17.576 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 23.928 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 25.546 ms
Loss rate: 2.51%
```

Run 4: Report of TCP BBR — Data Link

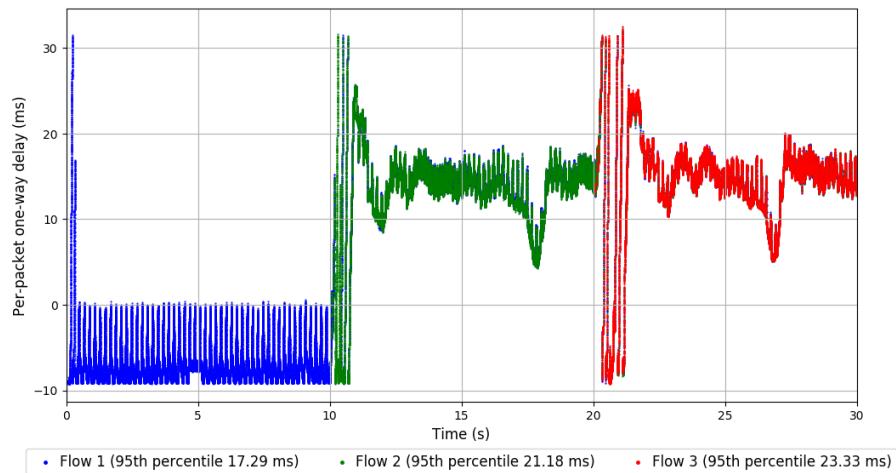
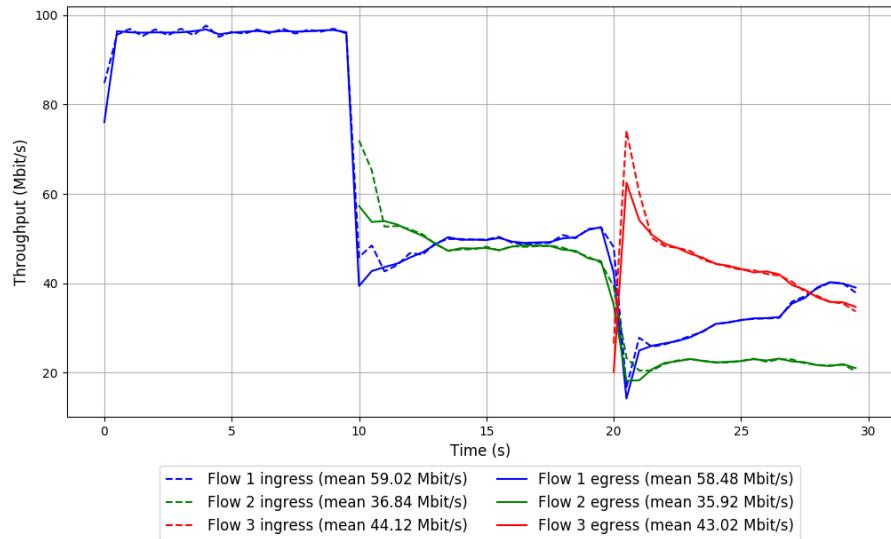


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-02 03:50:35
End at: 2018-02-02 03:51:05
Local clock offset: 3.855 ms
Remote clock offset: -25.344 ms

# Below is generated by plot.py at 2018-02-02 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 18.657 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 17.289 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 21.179 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 23.328 ms
Loss rate: 2.48%
```

Run 5: Report of TCP BBR — Data Link

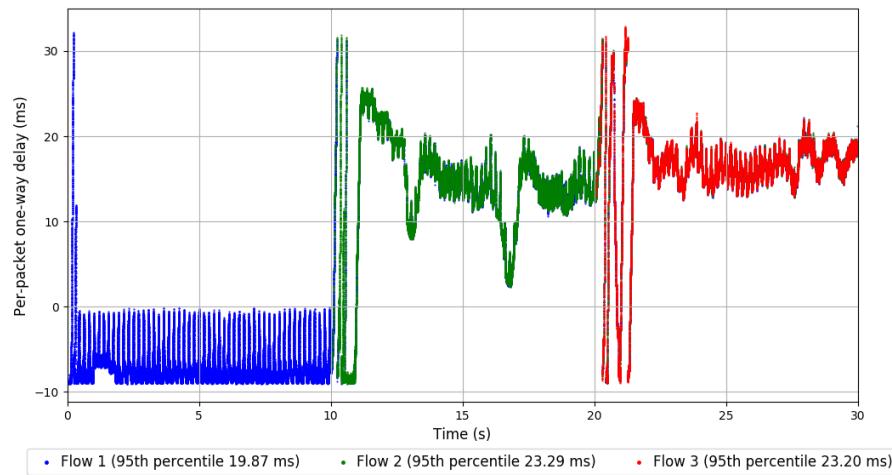
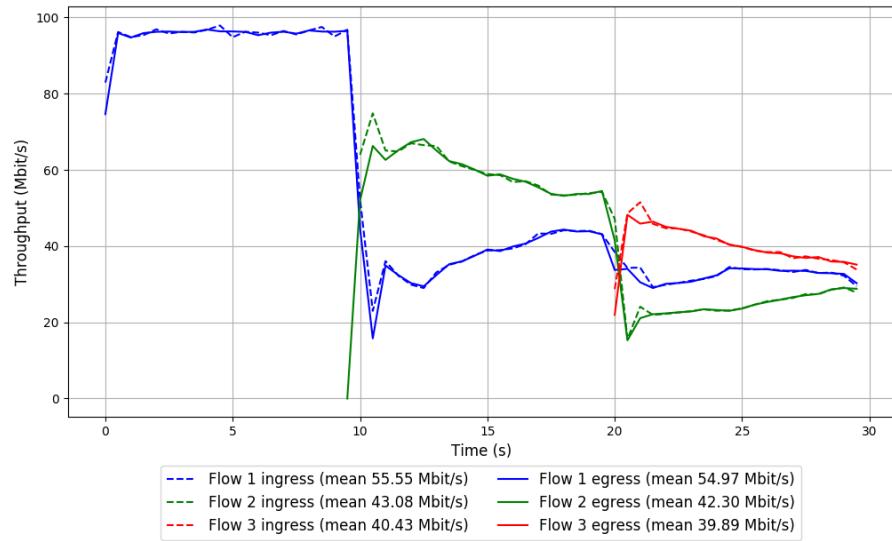


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-02 04:13:34
End at: 2018-02-02 04:14:04
Local clock offset: 2.605 ms
Remote clock offset: -26.63 ms

# Below is generated by plot.py at 2018-02-02 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 22.152 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 54.97 Mbit/s
95th percentile per-packet one-way delay: 19.869 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 23.290 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 23.197 ms
Loss rate: 1.30%
```

Run 6: Report of TCP BBR — Data Link

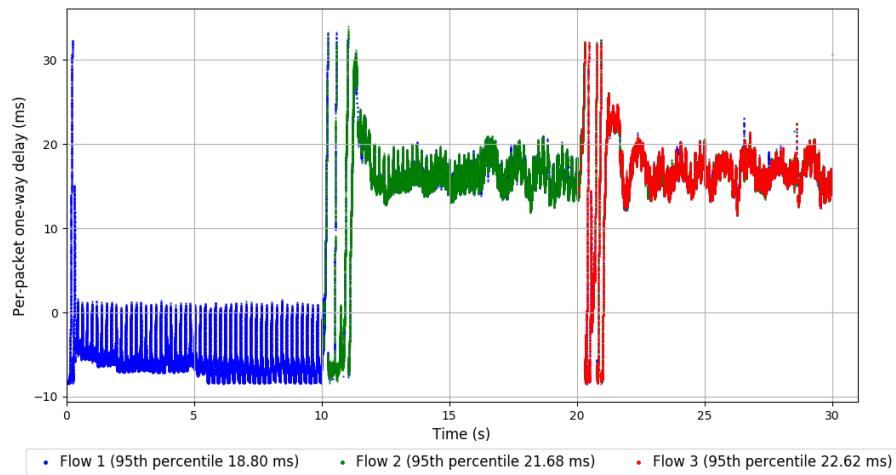
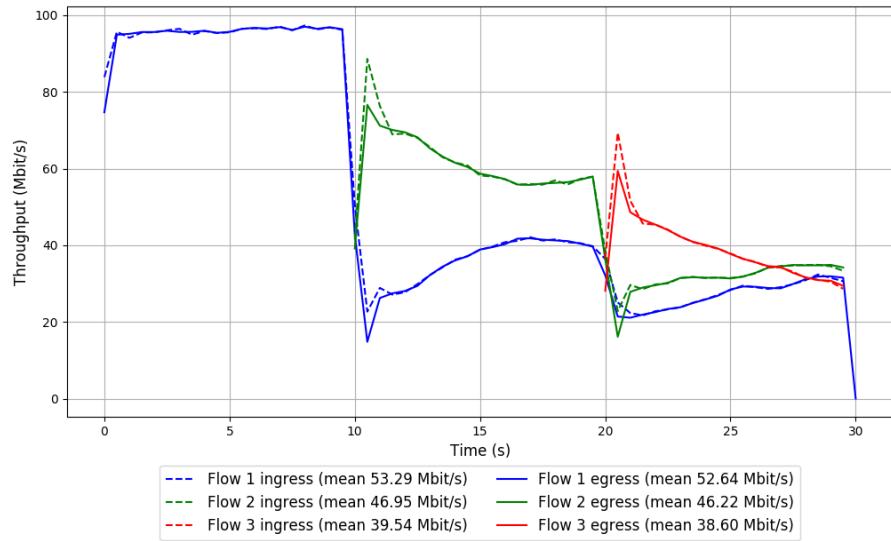


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-02 04:36:35
End at: 2018-02-02 04:37:05
Local clock offset: 2.416 ms
Remote clock offset: -23.143 ms

# Below is generated by plot.py at 2018-02-02 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 20.175 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 18.796 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 21.685 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 22.617 ms
Loss rate: 2.43%
```

Run 7: Report of TCP BBR — Data Link

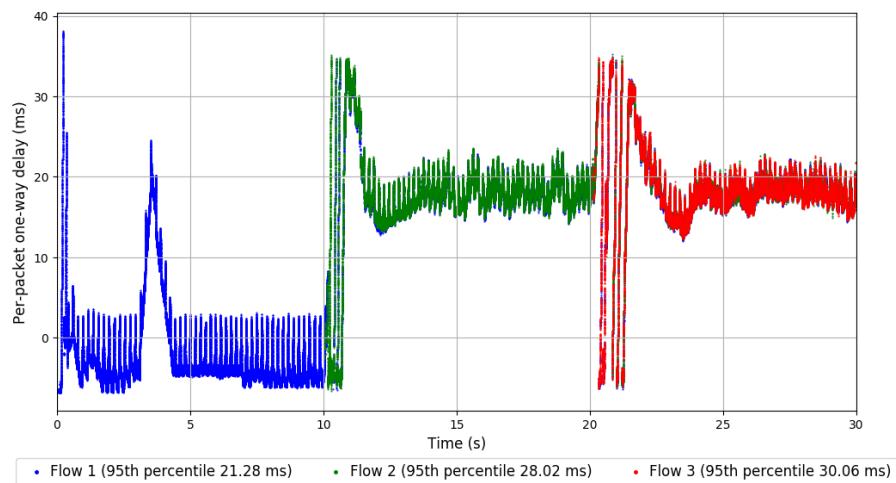
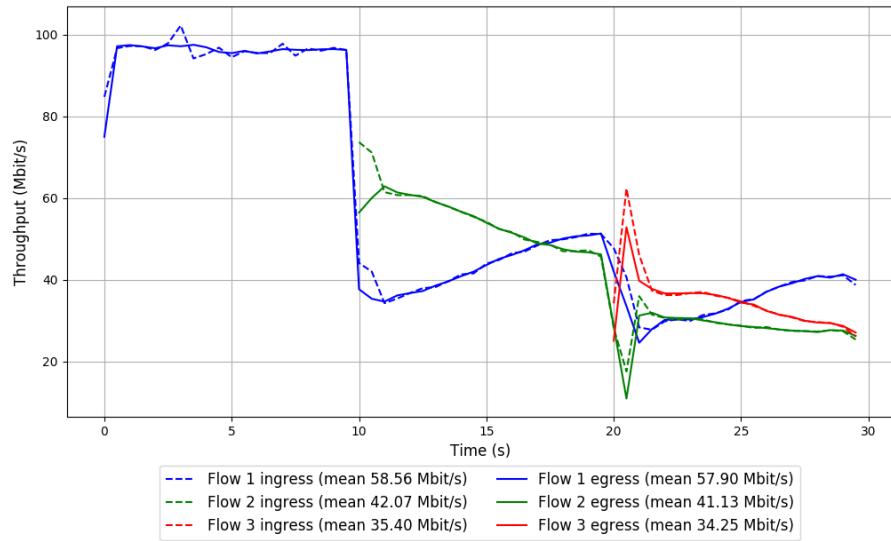


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-02 05:00:24
End at: 2018-02-02 05:00:54
Local clock offset: -0.429 ms
Remote clock offset: -20.317 ms

# Below is generated by plot.py at 2018-02-02 06:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 25.188 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 21.278 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 41.13 Mbit/s
95th percentile per-packet one-way delay: 28.021 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 30.059 ms
Loss rate: 3.23%
```

Run 8: Report of TCP BBR — Data Link

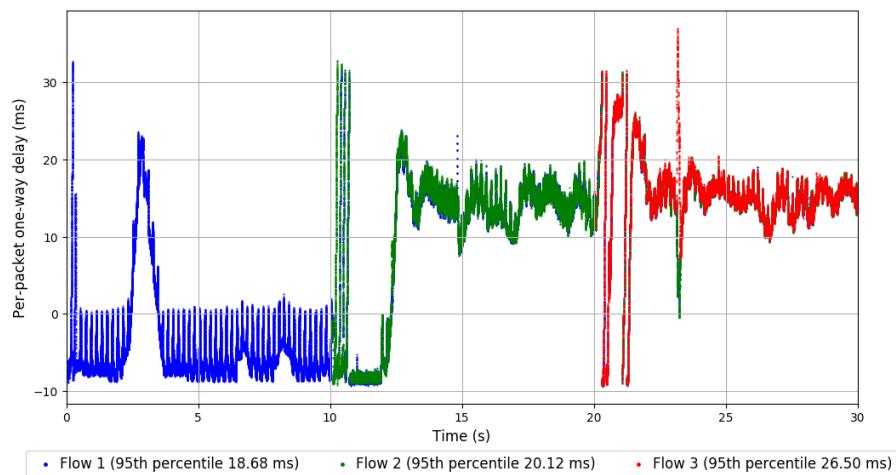
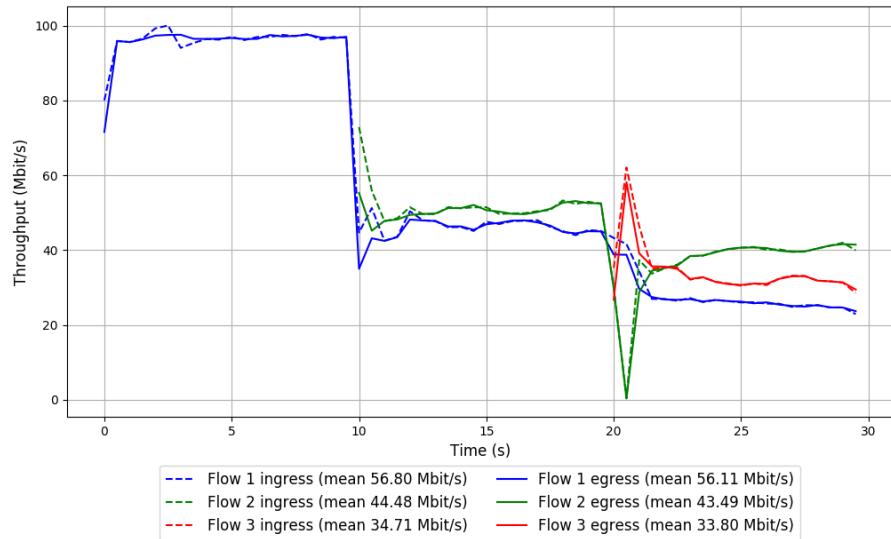


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-02 05:23:56
End at: 2018-02-02 05:24:26
Local clock offset: 4.184 ms
Remote clock offset: -18.272 ms

# Below is generated by plot.py at 2018-02-02 06:39:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 20.572 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 18.676 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 20.117 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 33.80 Mbit/s
95th percentile per-packet one-way delay: 26.498 ms
Loss rate: 2.61%
```

Run 9: Report of TCP BBR — Data Link

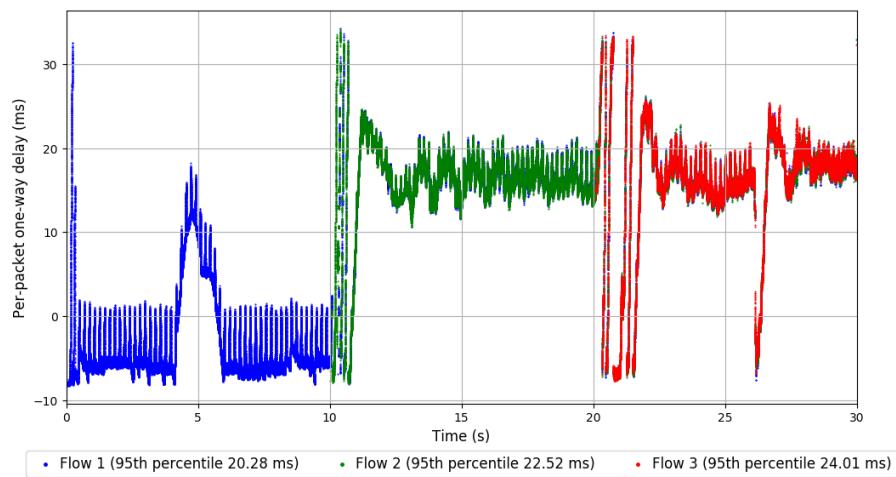
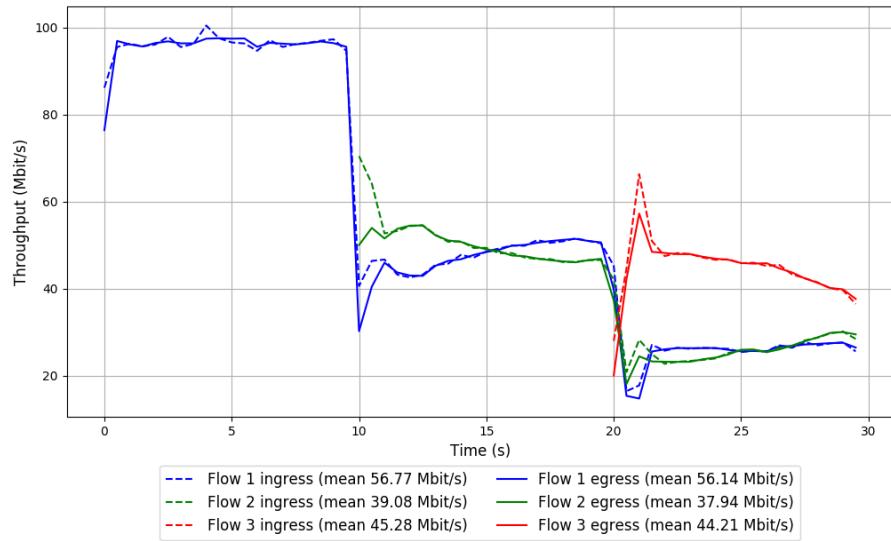


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-02-02 05:46:58
End at: 2018-02-02 05:47:28
Local clock offset: 6.908 ms
Remote clock offset: -20.001 ms

# Below is generated by plot.py at 2018-02-02 06:39:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 21.692 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 20.280 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 22.523 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 24.007 ms
Loss rate: 2.19%
```

Run 10: Report of TCP BBR — Data Link

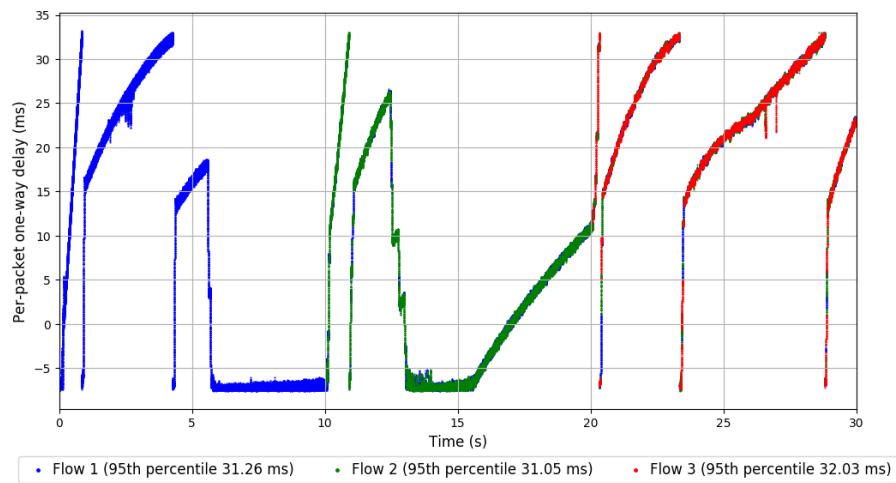
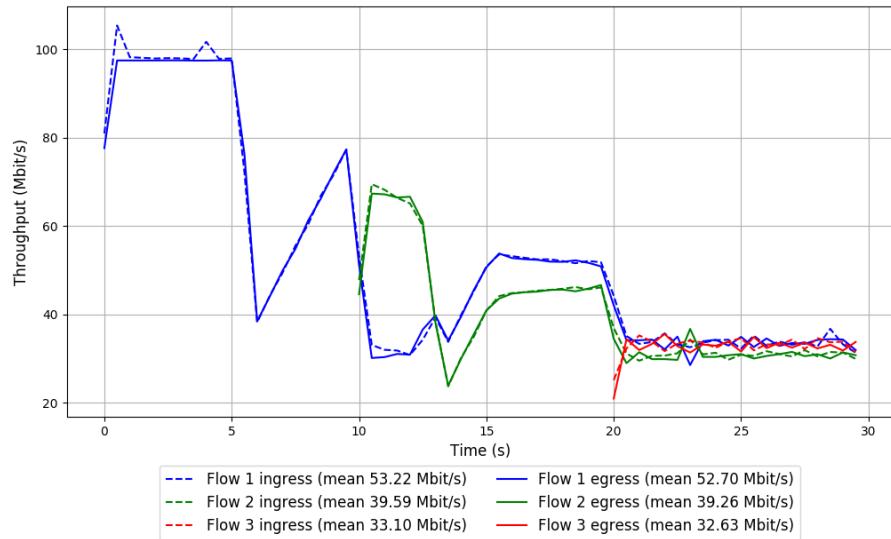


```
Run 1: Statistics of TCP Cubic

Start at: 2018-02-02 02:16:23
End at: 2018-02-02 02:16:53
Local clock offset: 4.404 ms
Remote clock offset: -20.51 ms

# Below is generated by plot.py at 2018-02-02 06:39:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 31.389 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 31.261 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 31.054 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 32.028 ms
Loss rate: 1.30%
```

Run 1: Report of TCP Cubic — Data Link

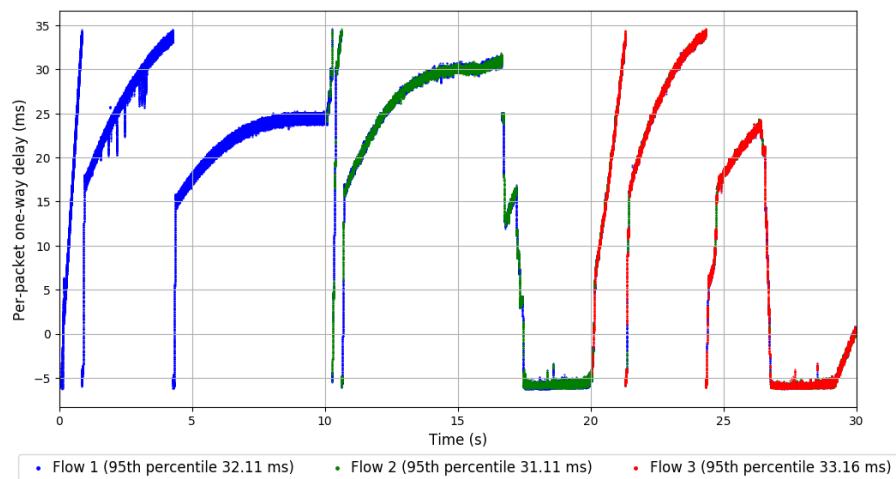
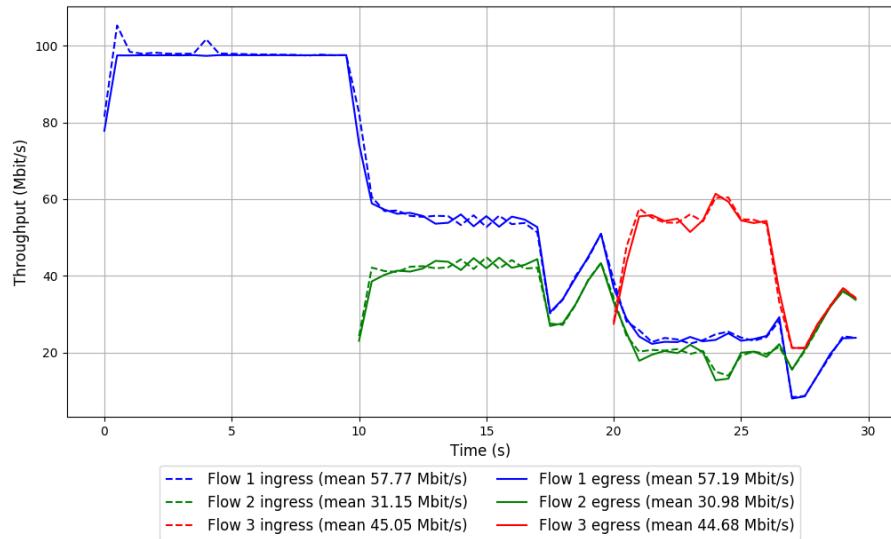


Run 2: Statistics of TCP Cubic

```
Start at: 2018-02-02 02:38:57
End at: 2018-02-02 02:39:27
Local clock offset: 2.928 ms
Remote clock offset: -20.738 ms

# Below is generated by plot.py at 2018-02-02 06:39:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 32.106 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 31.111 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 33.155 ms
Loss rate: 0.76%
```

Run 2: Report of TCP Cubic — Data Link

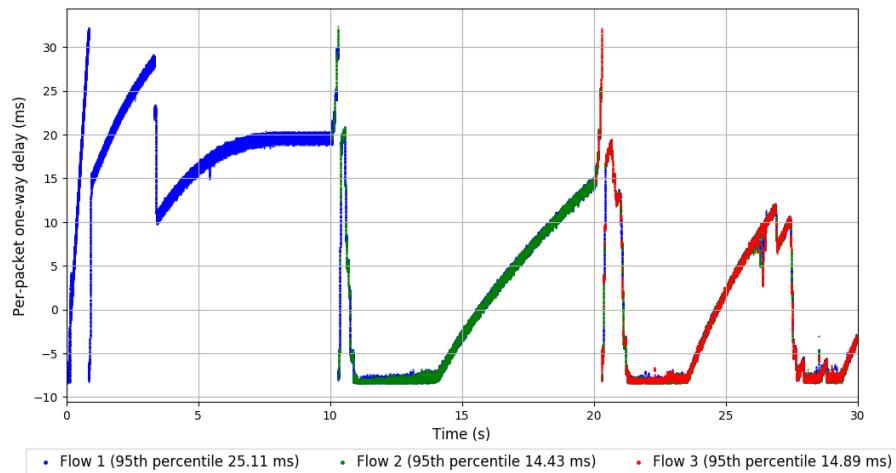
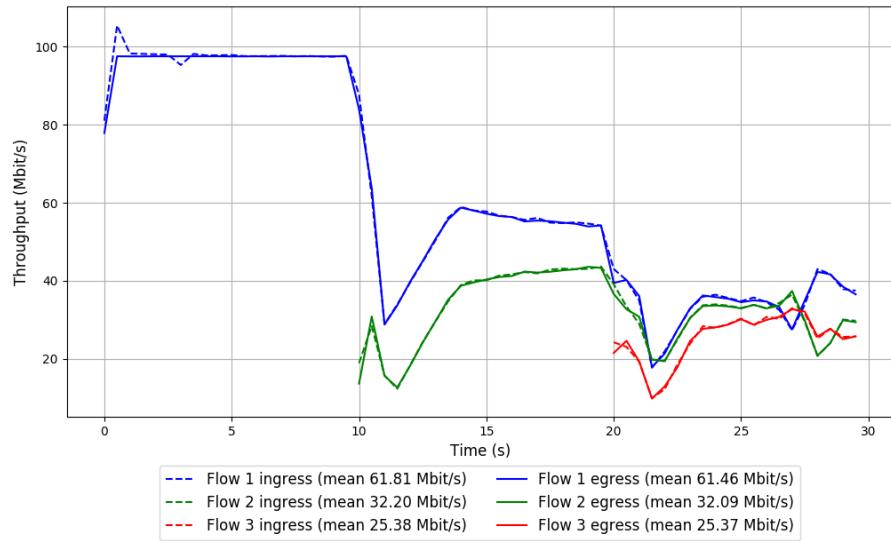


Run 3: Statistics of TCP Cubic

```
Start at: 2018-02-02 03:01:34
End at: 2018-02-02 03:02:04
Local clock offset: 5.733 ms
Remote clock offset: -20.368 ms

# Below is generated by plot.py at 2018-02-02 06:39:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 23.546 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 61.46 Mbit/s
95th percentile per-packet one-way delay: 25.105 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 14.434 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 14.894 ms
Loss rate: 0.25%
```

Run 3: Report of TCP Cubic — Data Link

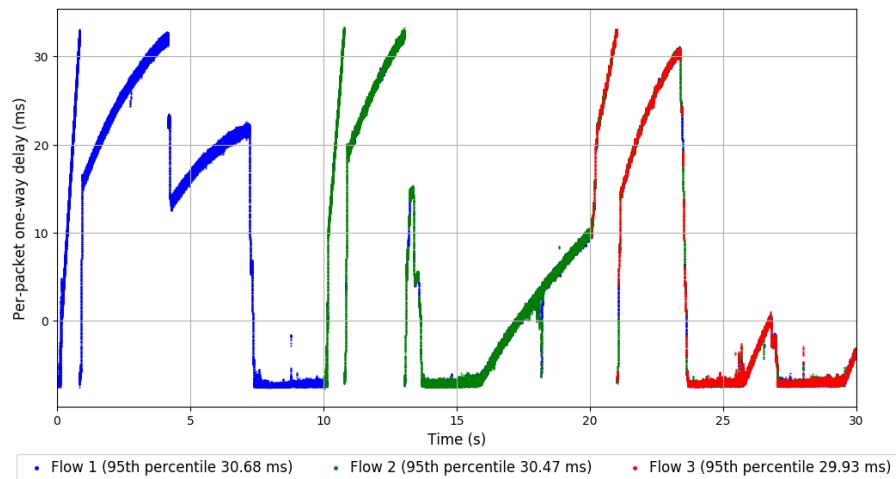
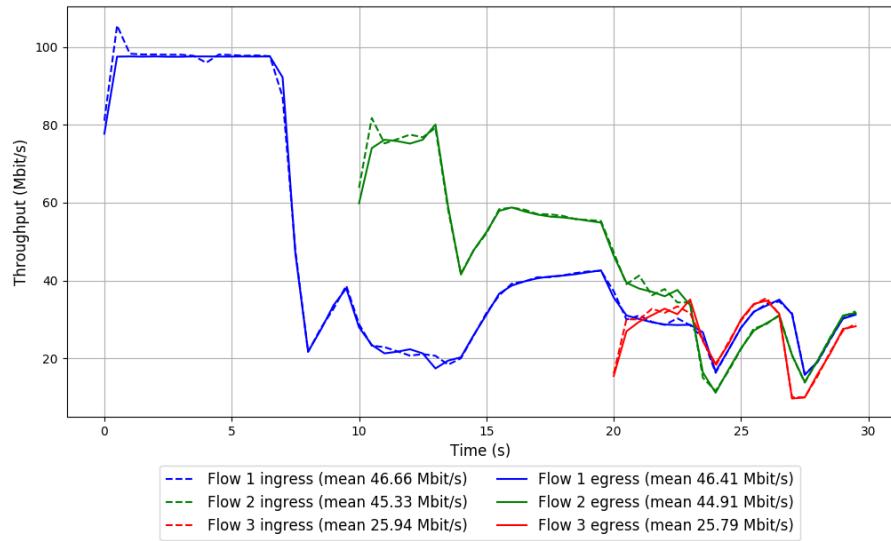


Run 4: Statistics of TCP Cubic

```
Start at: 2018-02-02 03:24:29
End at: 2018-02-02 03:24:59
Local clock offset: 6.977 ms
Remote clock offset: -20.48 ms

# Below is generated by plot.py at 2018-02-02 06:39:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.86 Mbit/s
95th percentile per-packet one-way delay: 30.517 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 30.676 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 30.469 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 25.79 Mbit/s
95th percentile per-packet one-way delay: 29.926 ms
Loss rate: 0.73%
```

Run 4: Report of TCP Cubic — Data Link

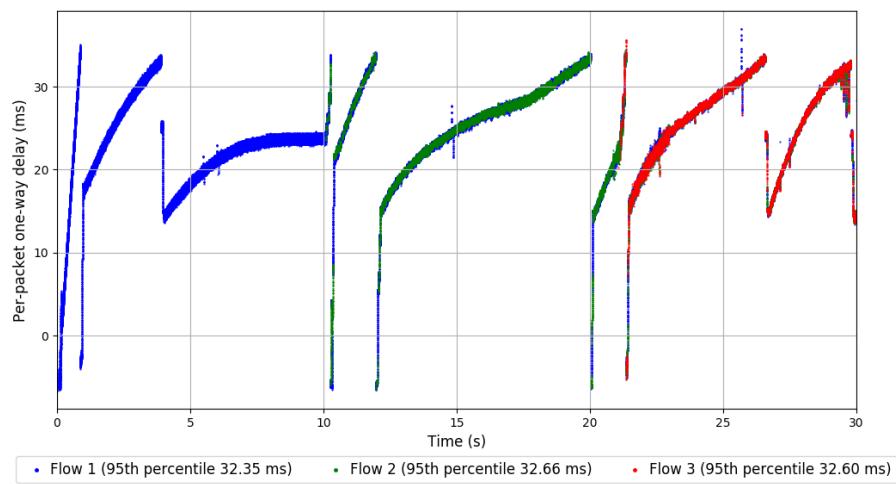
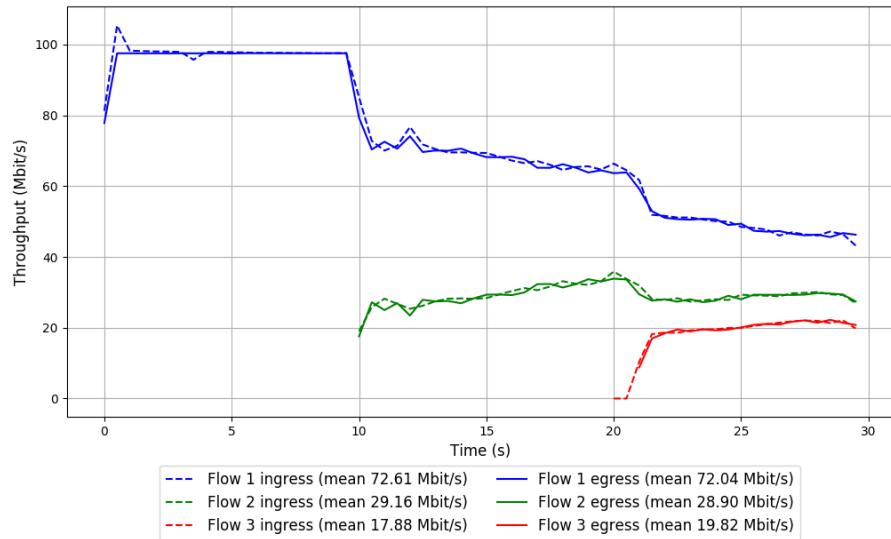


Run 5: Statistics of TCP Cubic

```
Start at: 2018-02-02 03:47:06
End at: 2018-02-02 03:47:36
Local clock offset: 1.783 ms
Remote clock offset: -24.945 ms

# Below is generated by plot.py at 2018-02-02 06:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 32.436 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 72.04 Mbit/s
95th percentile per-packet one-way delay: 32.348 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 32.660 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 32.603 ms
Loss rate: 0.68%
```

Run 5: Report of TCP Cubic — Data Link

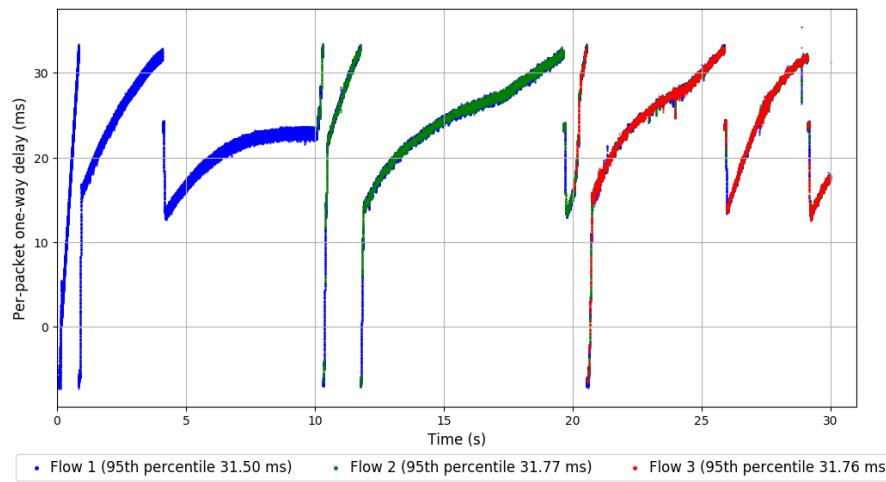
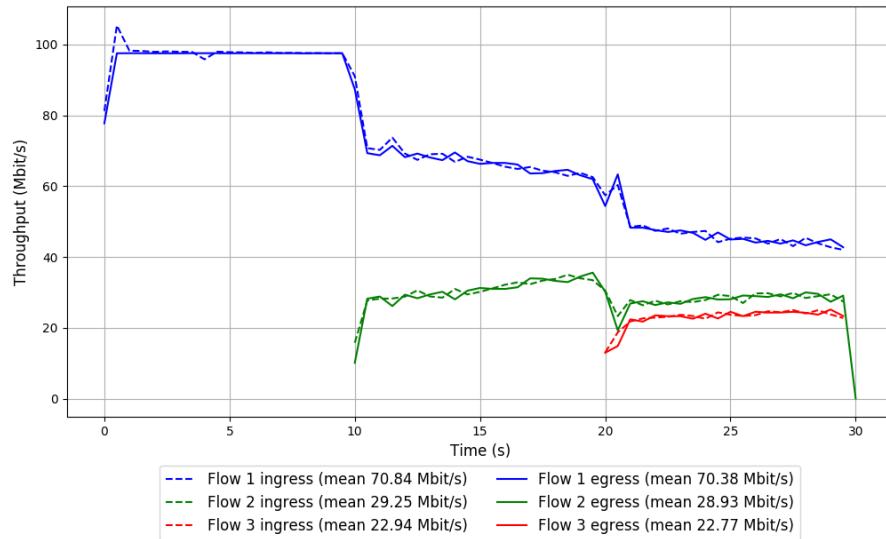


```
Run 6: Statistics of TCP Cubic
```

```
Start at: 2018-02-02 04:10:02
End at: 2018-02-02 04:10:32
Local clock offset: 3.769 ms
Remote clock offset: -23.468 ms

# Below is generated by plot.py at 2018-02-02 06:39:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 31.557 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 31.499 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 31.774 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 22.77 Mbit/s
95th percentile per-packet one-way delay: 31.756 ms
Loss rate: 0.70%
```

Run 6: Report of TCP Cubic — Data Link

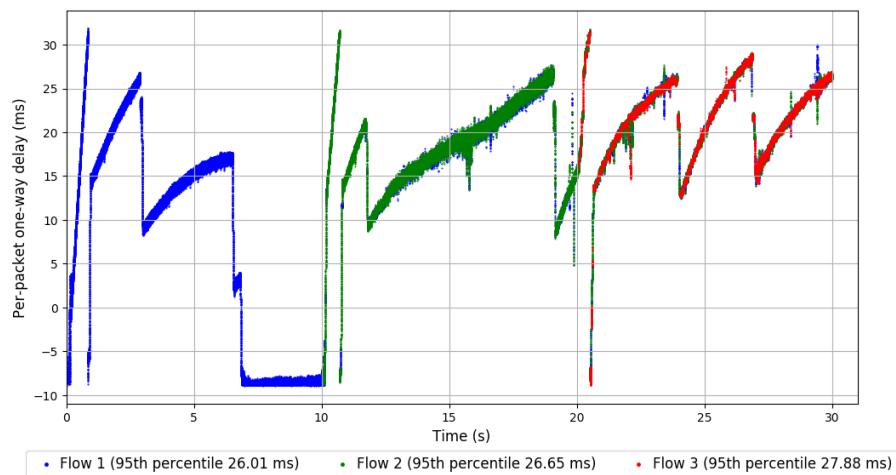
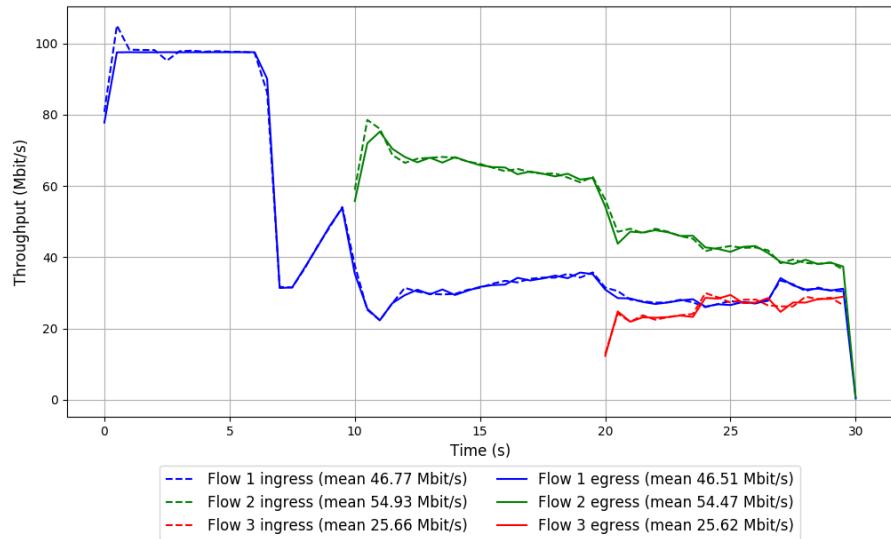


Run 7: Statistics of TCP Cubic

```
Start at: 2018-02-02 04:33:01
End at: 2018-02-02 04:33:31
Local clock offset: 3.214 ms
Remote clock offset: -23.693 ms

# Below is generated by plot.py at 2018-02-02 06:40:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.30 Mbit/s
95th percentile per-packet one-way delay: 26.406 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 26.014 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 54.47 Mbit/s
95th percentile per-packet one-way delay: 26.651 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 27.876 ms
Loss rate: 0.05%
```

Run 7: Report of TCP Cubic — Data Link

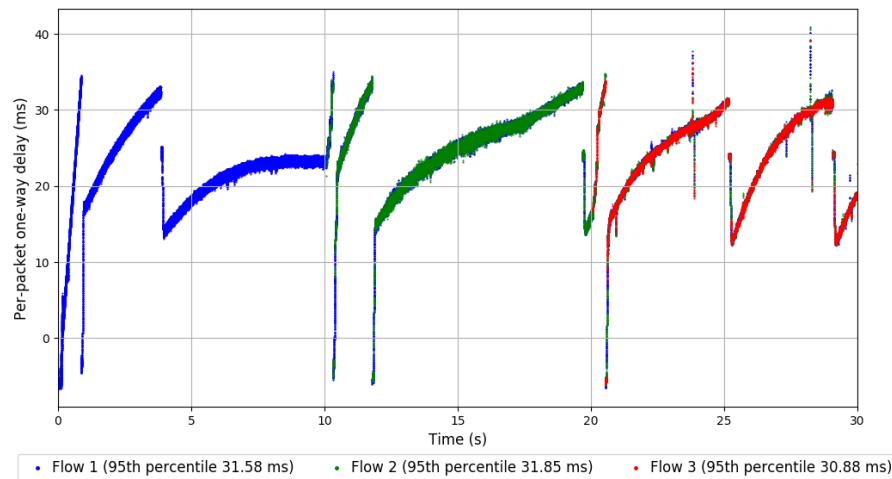
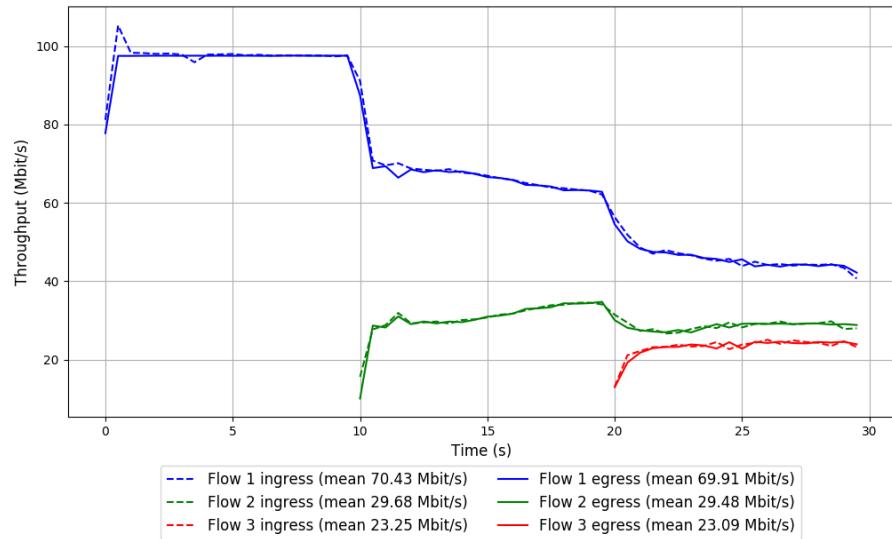


Run 8: Statistics of TCP Cubic

```
Start at: 2018-02-02 04:56:52
End at: 2018-02-02 04:57:22
Local clock offset: 0.129 ms
Remote clock offset: -19.995 ms

# Below is generated by plot.py at 2018-02-02 06:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 31.565 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 31.579 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 31.847 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 30.884 ms
Loss rate: 0.63%
```

Run 8: Report of TCP Cubic — Data Link

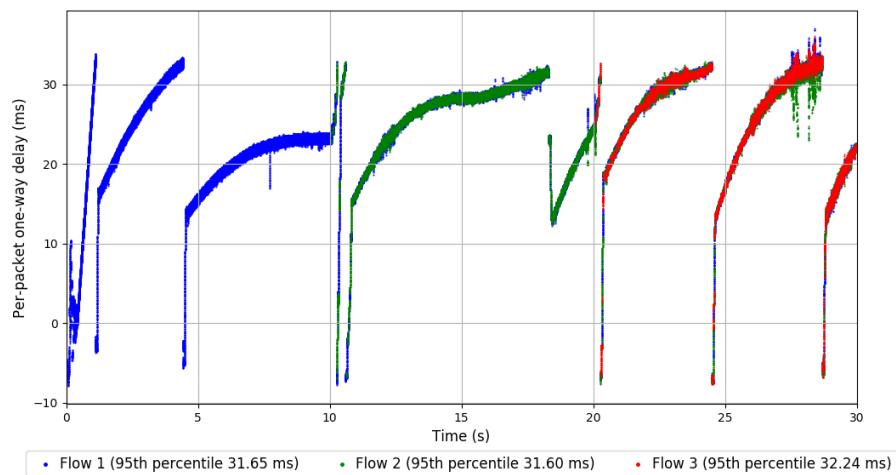
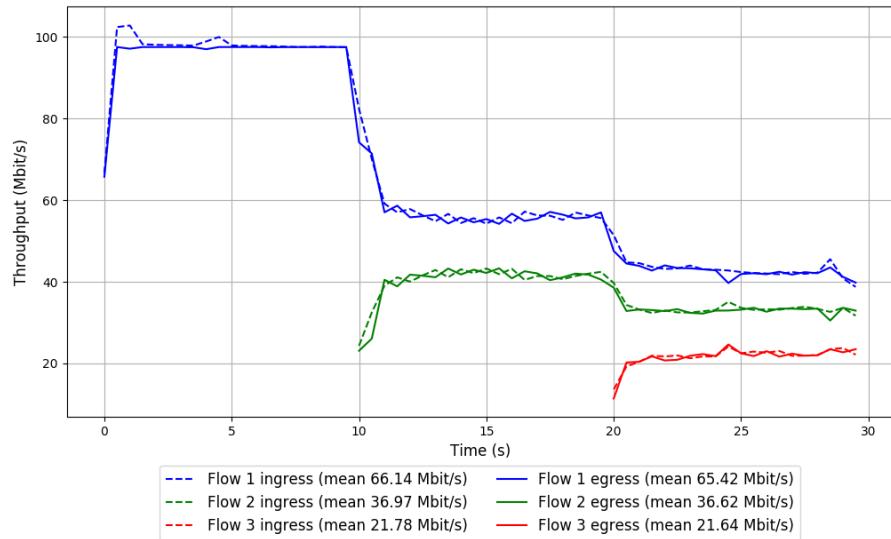


Run 9: Statistics of TCP Cubic

```
Start at: 2018-02-02 05:20:22
End at: 2018-02-02 05:20:52
Local clock offset: 2.546 ms
Remote clock offset: -17.647 ms

# Below is generated by plot.py at 2018-02-02 06:40:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 31.695 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 31.648 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 31.600 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 32.242 ms
Loss rate: 0.71%
```

Run 9: Report of TCP Cubic — Data Link

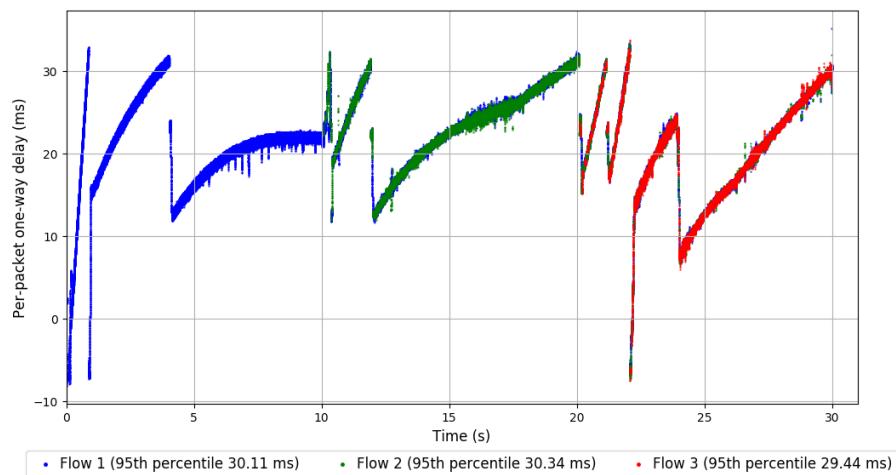
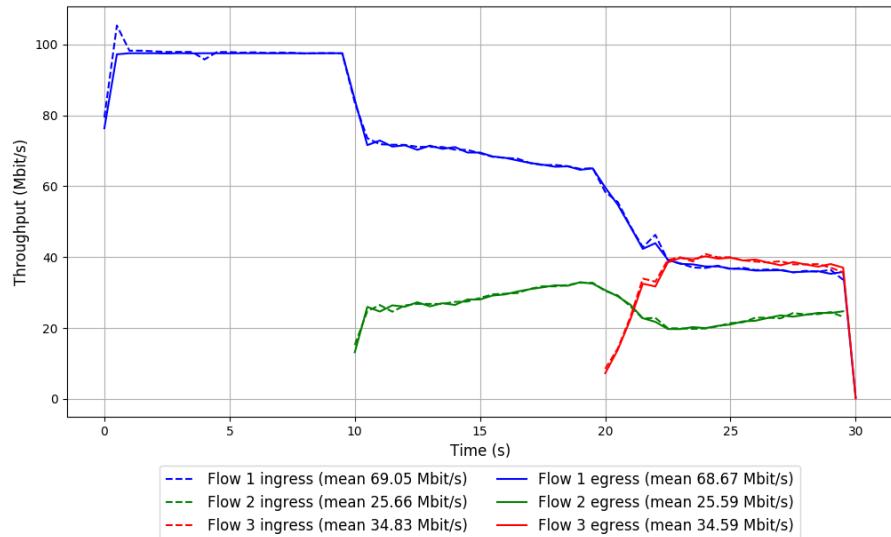


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-02-02 05:43:26
End at: 2018-02-02 05:43:56
Local clock offset: 5.221 ms
Remote clock offset: -20.955 ms

# Below is generated by plot.py at 2018-02-02 06:40:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 30.082 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 30.110 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 30.335 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 29.442 ms
Loss rate: 0.69%
```

Run 10: Report of TCP Cubic — Data Link

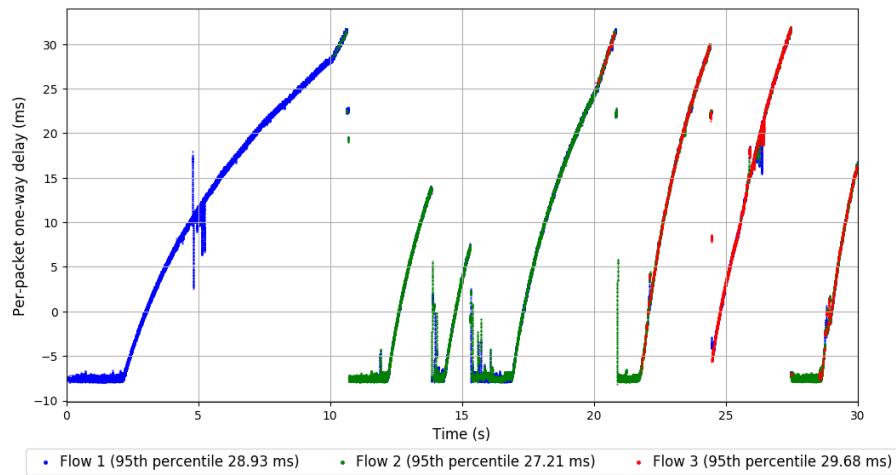
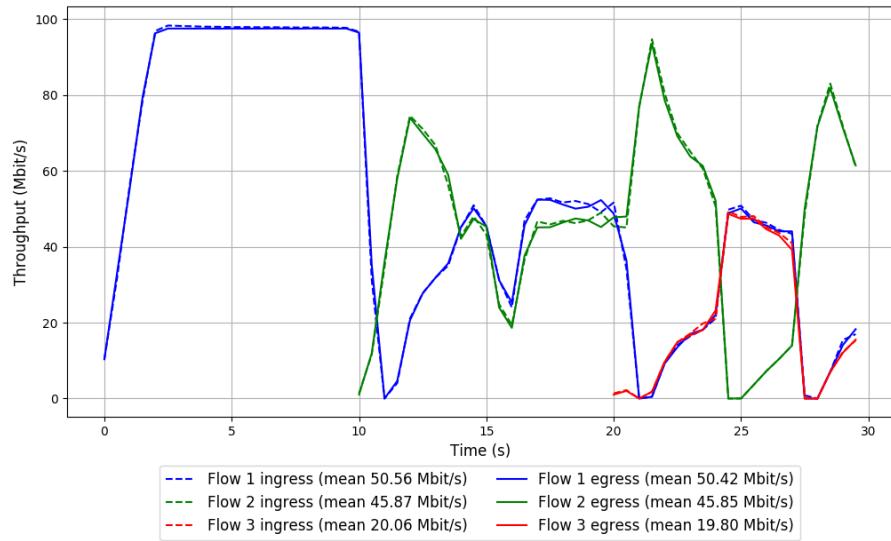


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-02 02:34:12
End at: 2018-02-02 02:34:42
Local clock offset: 4.478 ms
Remote clock offset: -20.664 ms

# Below is generated by plot.py at 2018-02-02 06:40:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 50.42 Mbit/s
95th percentile per-packet one-way delay: 28.928 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 27.214 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 19.80 Mbit/s
95th percentile per-packet one-way delay: 29.684 ms
Loss rate: 1.39%
```

Run 1: Report of LEDBAT — Data Link

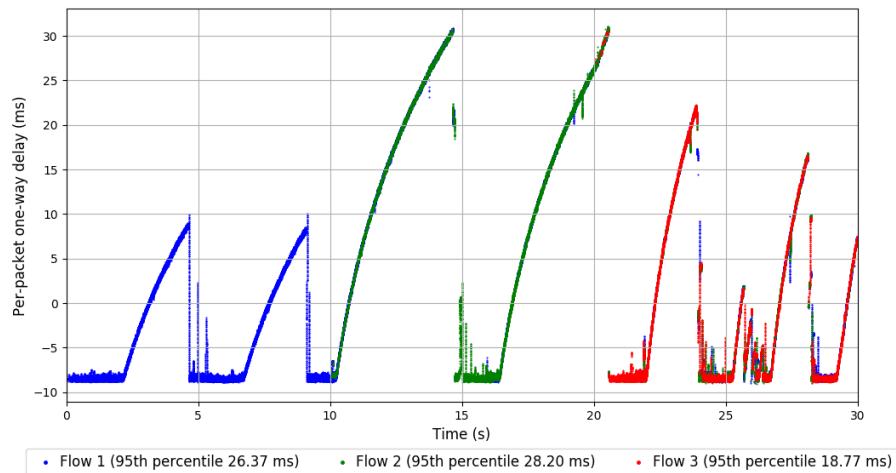
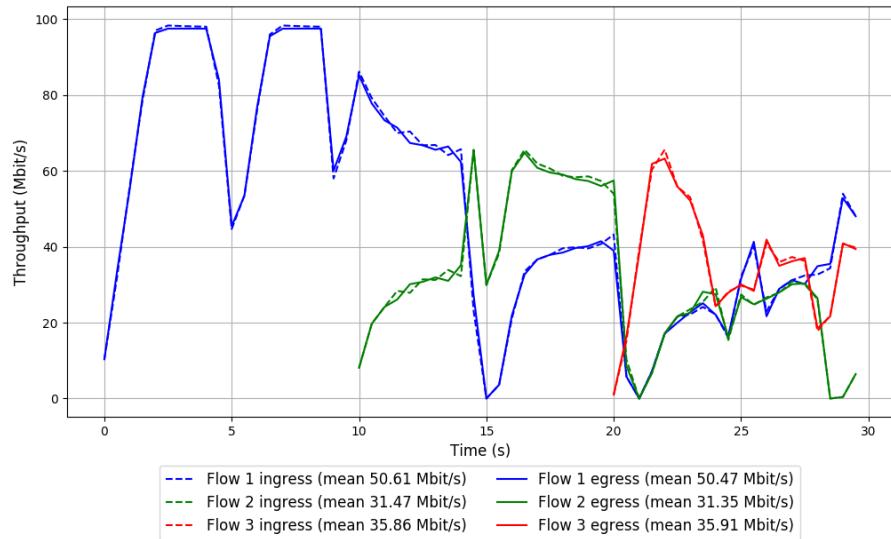


Run 2: Statistics of LEDBAT

```
Start at: 2018-02-02 02:56:43
End at: 2018-02-02 02:57:13
Local clock offset: 5.739 ms
Remote clock offset: -20.649 ms

# Below is generated by plot.py at 2018-02-02 06:40:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 26.610 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 50.47 Mbit/s
95th percentile per-packet one-way delay: 26.366 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 28.203 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 18.768 ms
Loss rate: 0.08%
```

Run 2: Report of LEDBAT — Data Link

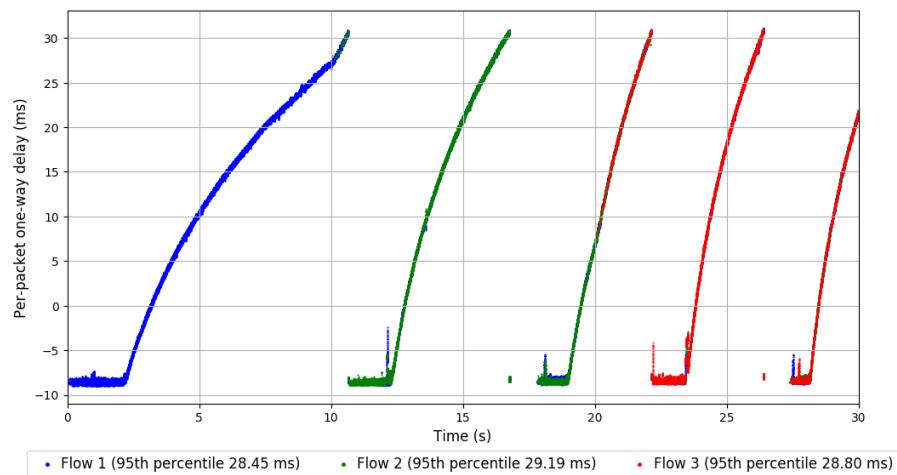
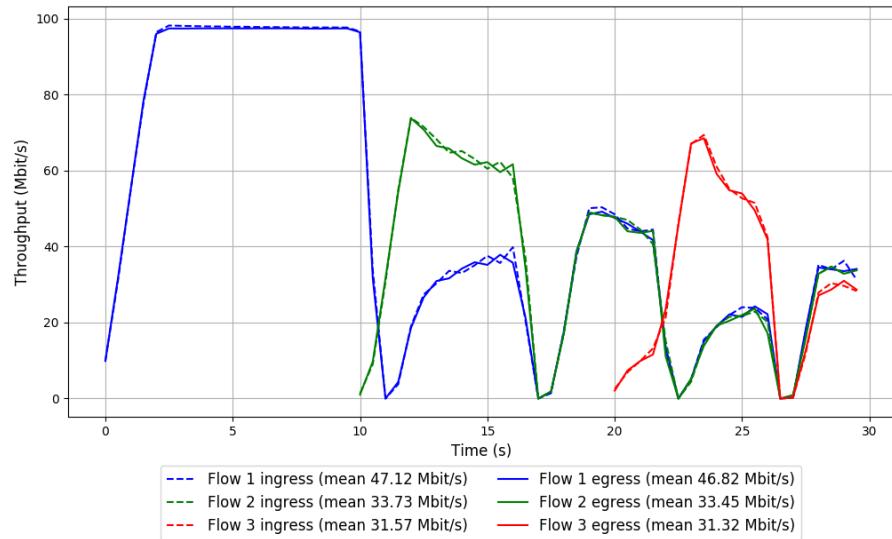


Run 3: Statistics of LEDBAT

```
Start at: 2018-02-02 03:19:42
End at: 2018-02-02 03:20:12
Local clock offset: 6.676 ms
Remote clock offset: -20.405 ms

# Below is generated by plot.py at 2018-02-02 06:40:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.43 Mbit/s
95th percentile per-packet one-way delay: 28.725 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 28.447 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 29.189 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 28.801 ms
Loss rate: 0.64%
```

Run 3: Report of LEDBAT — Data Link

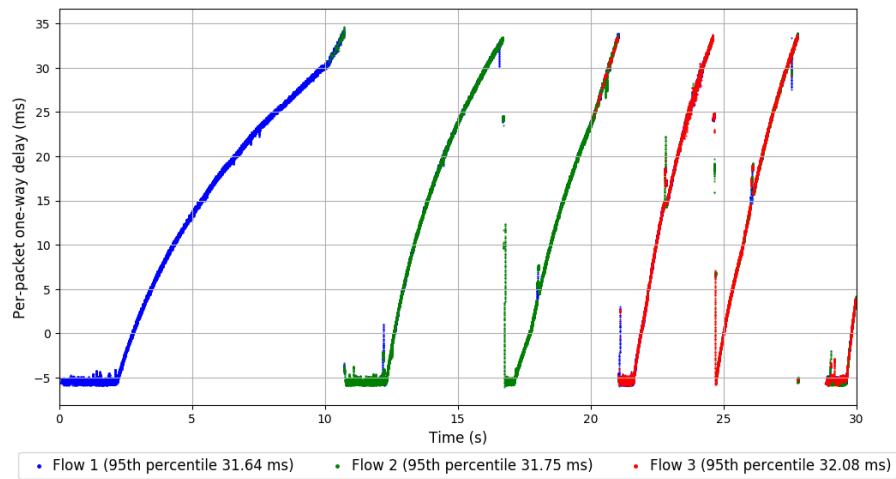
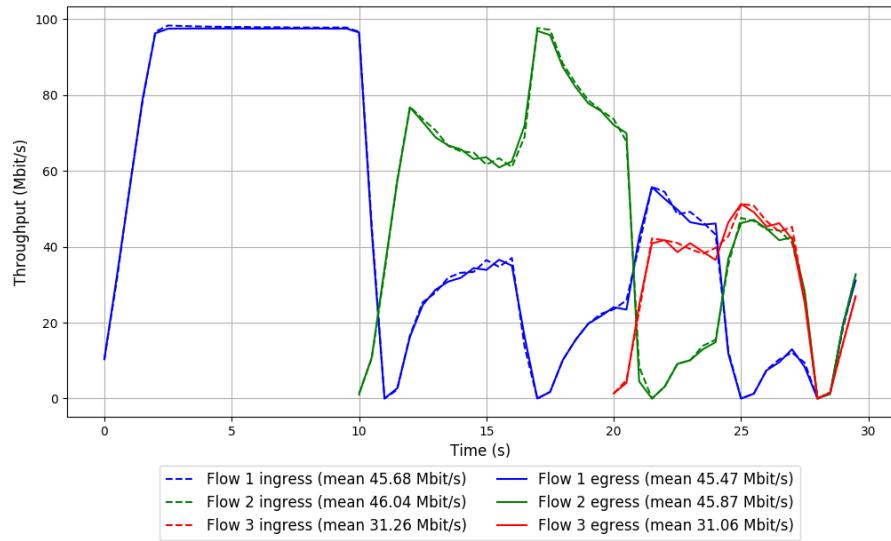


Run 4: Statistics of LEDBAT

```
Start at: 2018-02-02 03:42:19
End at: 2018-02-02 03:42:49
Local clock offset: 3.04 ms
Remote clock offset: -23.27 ms

# Below is generated by plot.py at 2018-02-02 06:40:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 31.708 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 31.643 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 31.753 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 32.080 ms
Loss rate: 0.84%
```

Run 4: Report of LEDBAT — Data Link

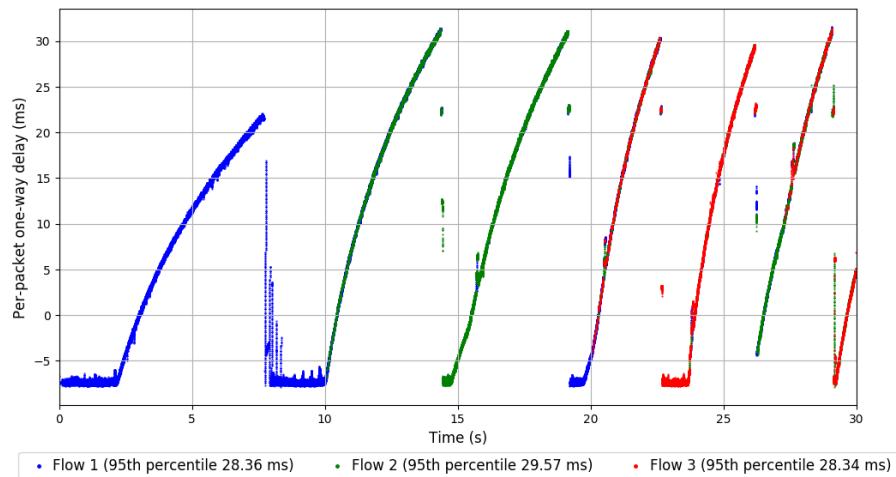
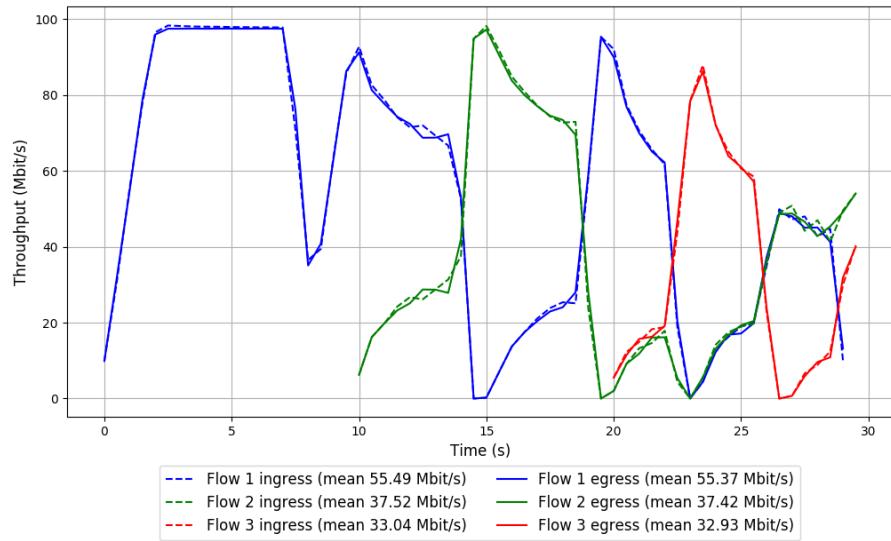


Run 5: Statistics of LEDBAT

```
Start at: 2018-02-02 04:05:11
End at: 2018-02-02 04:05:41
Local clock offset: 1.274 ms
Remote clock offset: -26.236 ms

# Below is generated by plot.py at 2018-02-02 06:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 28.809 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 28.360 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.42 Mbit/s
95th percentile per-packet one-way delay: 29.573 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 28.345 ms
Loss rate: 0.21%
```

Run 5: Report of LEDBAT — Data Link

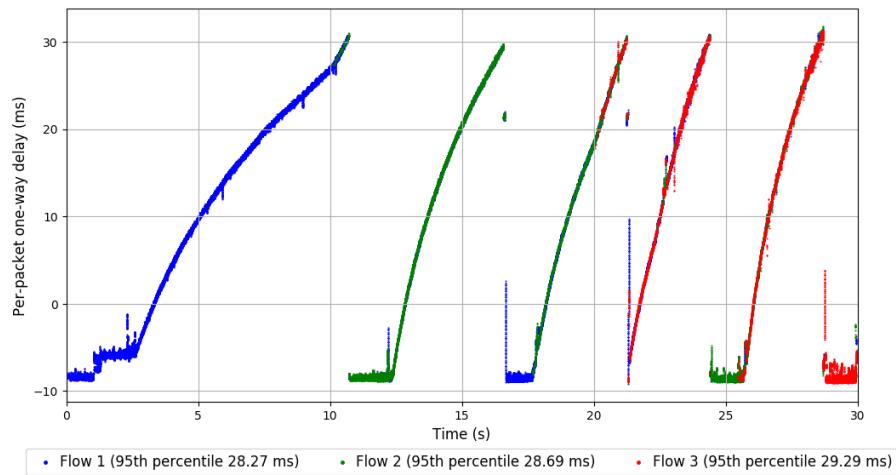
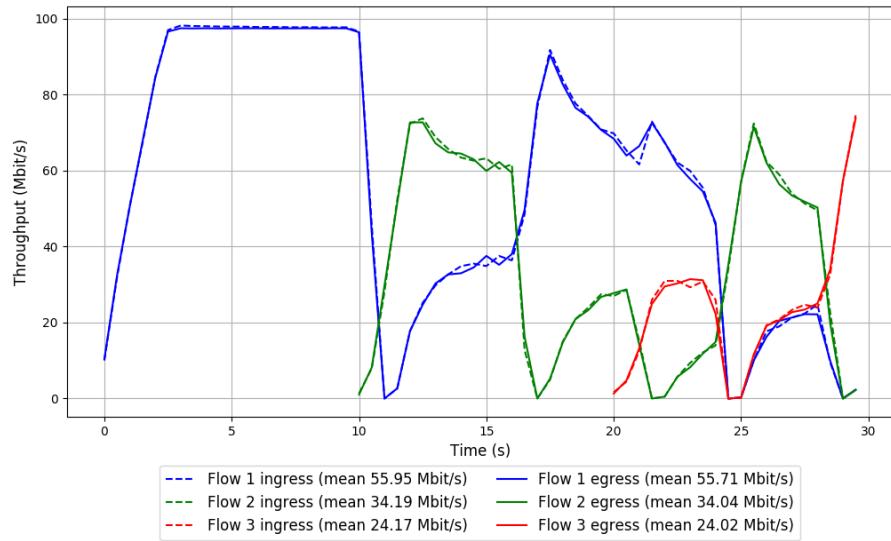


Run 6: Statistics of LEDBAT

```
Start at: 2018-02-02 04:28:06
End at: 2018-02-02 04:28:36
Local clock offset: 2.526 ms
Remote clock offset: -26.432 ms

# Below is generated by plot.py at 2018-02-02 06:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.28 Mbit/s
95th percentile per-packet one-way delay: 28.537 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 28.272 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 28.692 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 29.291 ms
Loss rate: 0.85%
```

Run 6: Report of LEDBAT — Data Link

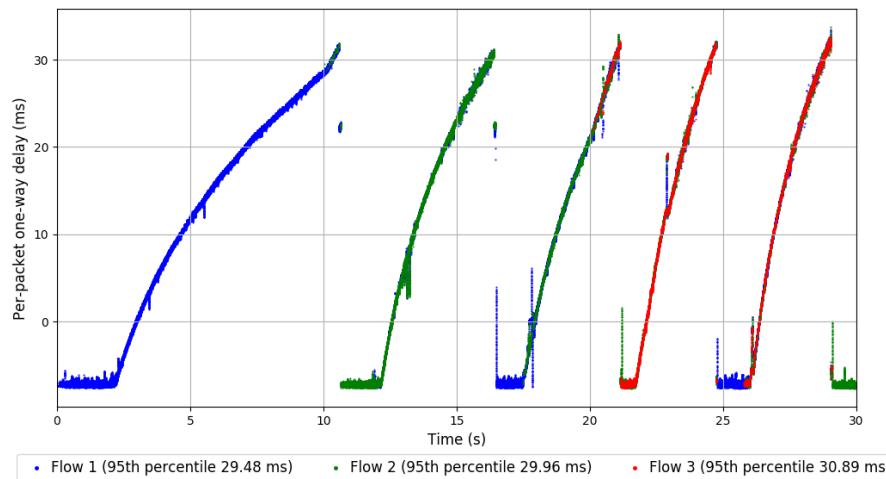
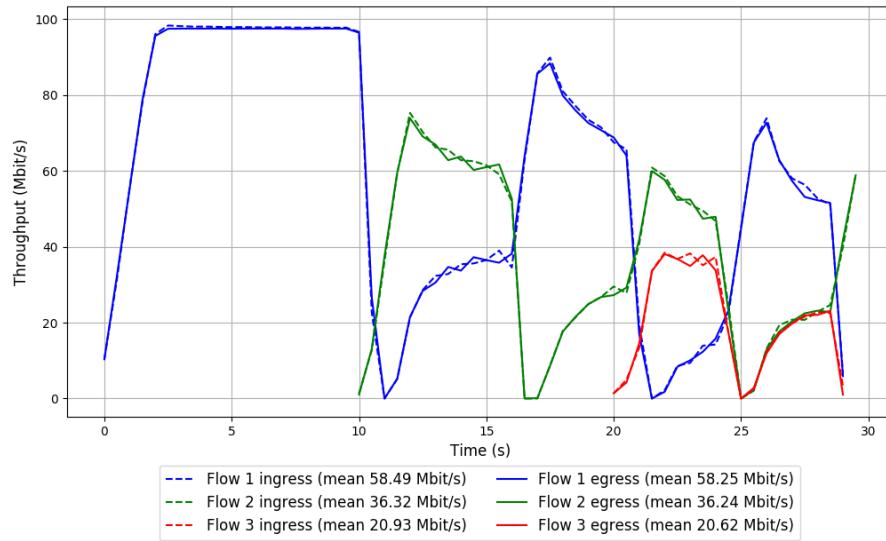


Run 7: Statistics of LEDBAT

```
Start at: 2018-02-02 04:51:50
End at: 2018-02-02 04:52:20
Local clock offset: 0.752 ms
Remote clock offset: -20.881 ms

# Below is generated by plot.py at 2018-02-02 06:41:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 29.833 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 29.483 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 29.960 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 30.887 ms
Loss rate: 1.77%
```

Run 7: Report of LEDBAT — Data Link

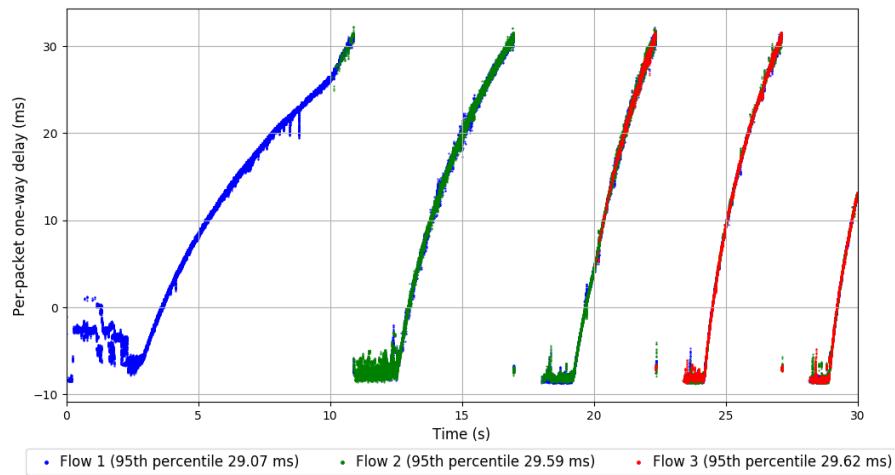
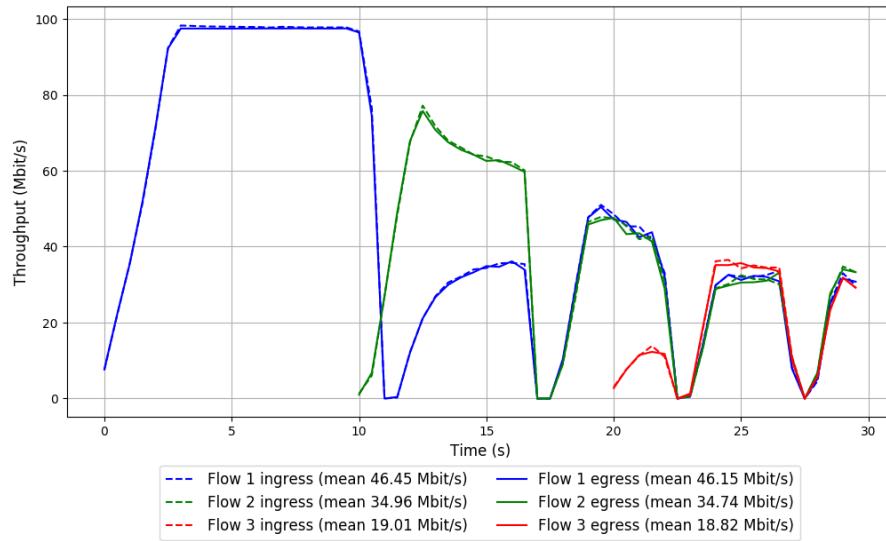


Run 8: Statistics of LEDBAT

```
Start at: 2018-02-02 05:15:34
End at: 2018-02-02 05:16:04
Local clock offset: 1.004 ms
Remote clock offset: -18.64 ms

# Below is generated by plot.py at 2018-02-02 06:41:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.48 Mbit/s
95th percentile per-packet one-way delay: 29.330 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 29.073 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 29.590 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 29.622 ms
Loss rate: 0.94%
```

Run 8: Report of LEDBAT — Data Link

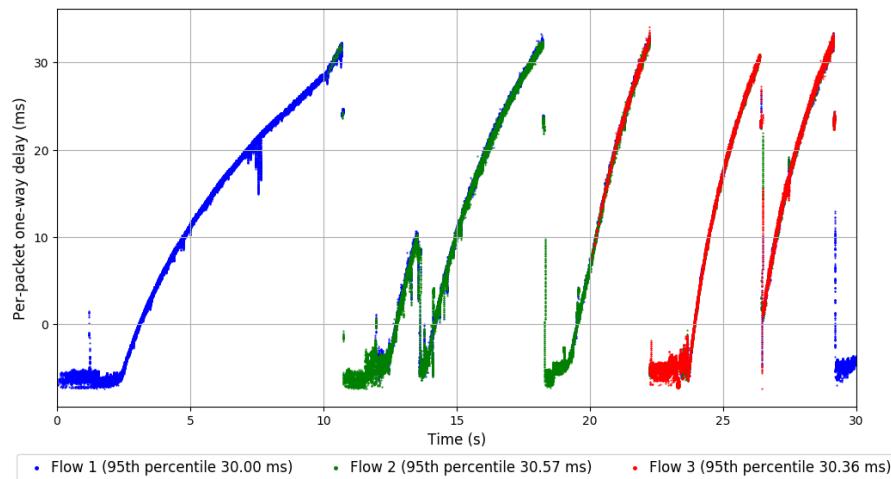
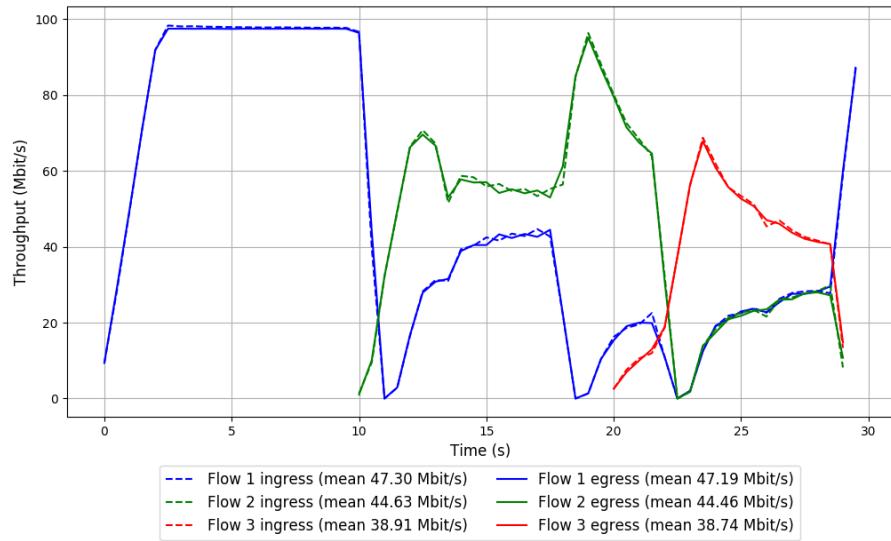


Run 9: Statistics of LEDBAT

```
Start at: 2018-02-02 05:38:36
End at: 2018-02-02 05:39:06
Local clock offset: 3.529 ms
Remote clock offset: -20.042 ms

# Below is generated by plot.py at 2018-02-02 06:42:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 30.224 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 30.005 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 30.573 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 30.363 ms
Loss rate: 0.27%
```

Run 9: Report of LEDBAT — Data Link

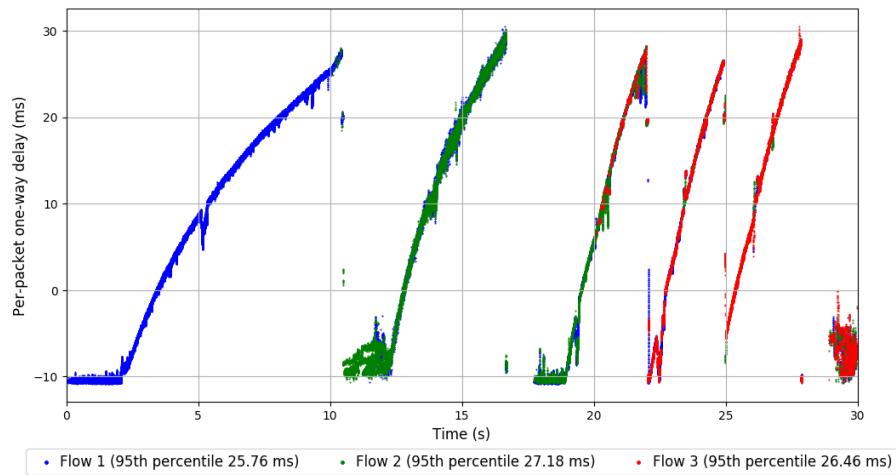
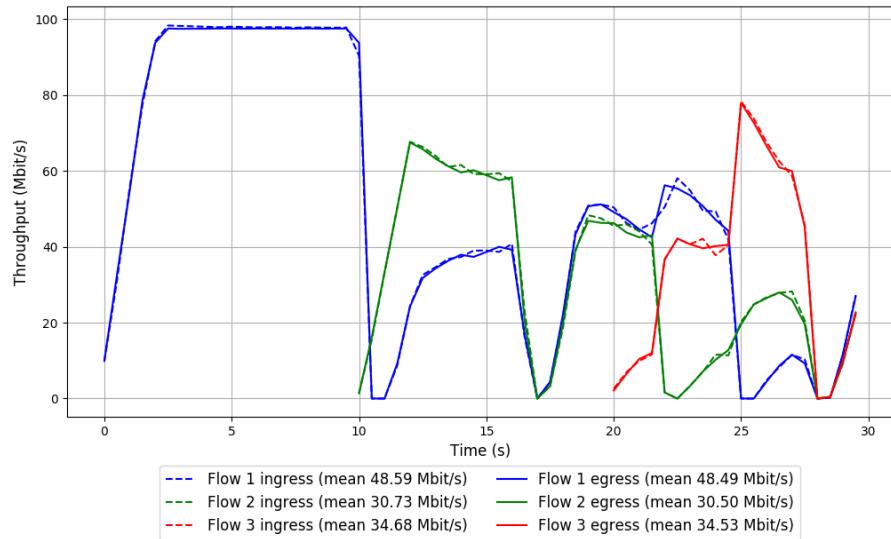


Run 10: Statistics of LEDBAT

```
Start at: 2018-02-02 06:01:56
End at: 2018-02-02 06:02:26
Local clock offset: 4.382 ms
Remote clock offset: -23.4 ms

# Below is generated by plot.py at 2018-02-02 06:42:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.22 Mbit/s
95th percentile per-packet one-way delay: 26.270 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 25.762 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 27.185 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 26.461 ms
Loss rate: 0.51%
```

Run 10: Report of LEDBAT — Data Link

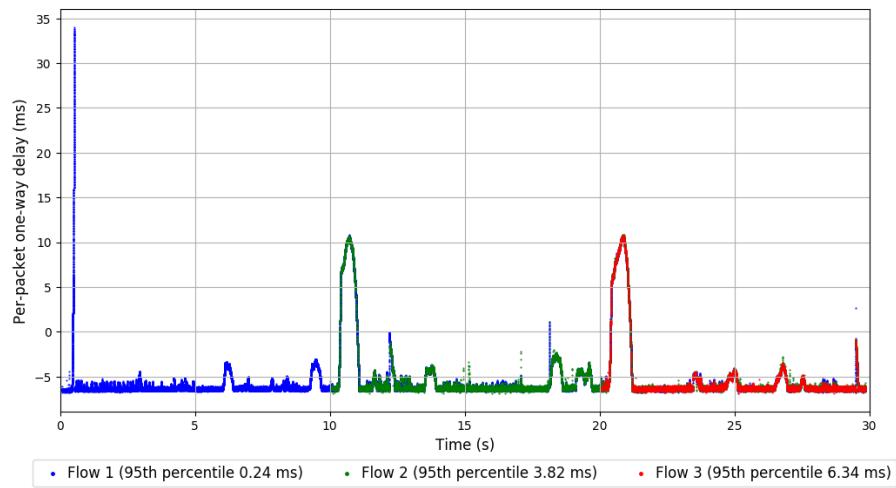
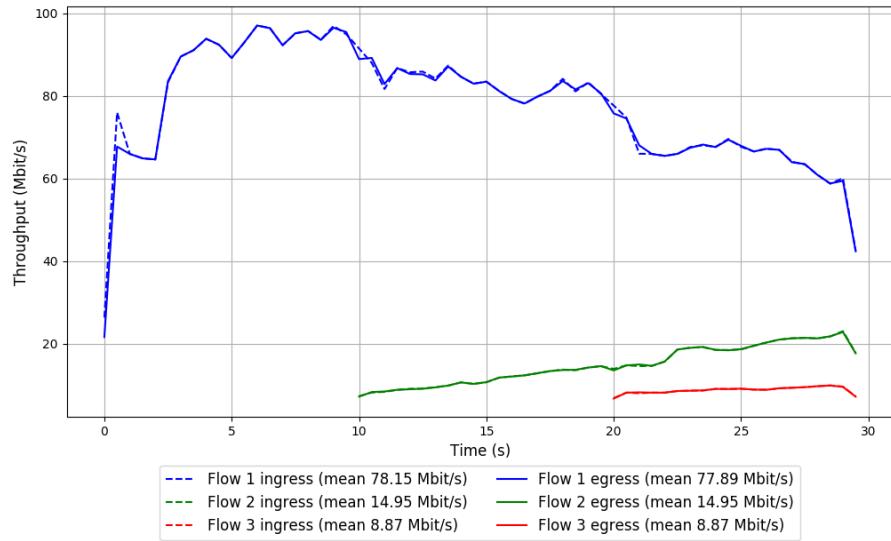


```
Run 1: Statistics of PCC

Start at: 2018-02-02 02:12:52
End at: 2018-02-02 02:13:22
Local clock offset: 2.338 ms
Remote clock offset: -21.776 ms

# Below is generated by plot.py at 2018-02-02 06:42:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 0.236 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 14.95 Mbit/s
95th percentile per-packet one-way delay: 3.821 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 6.339 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link

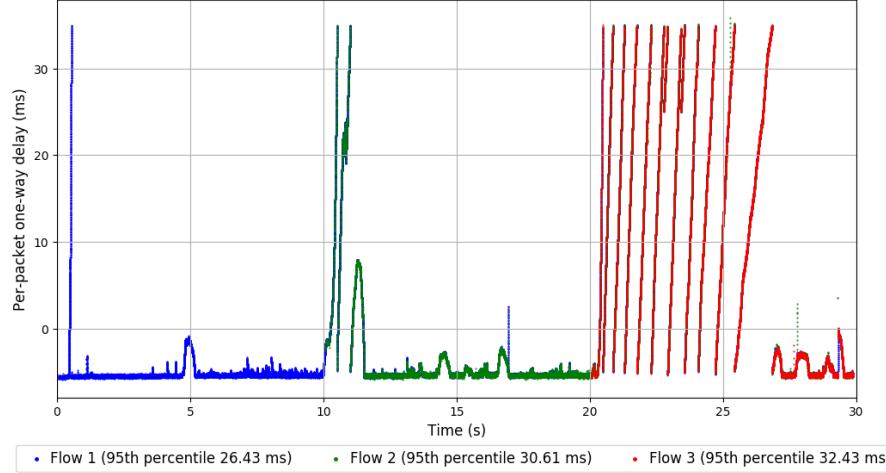
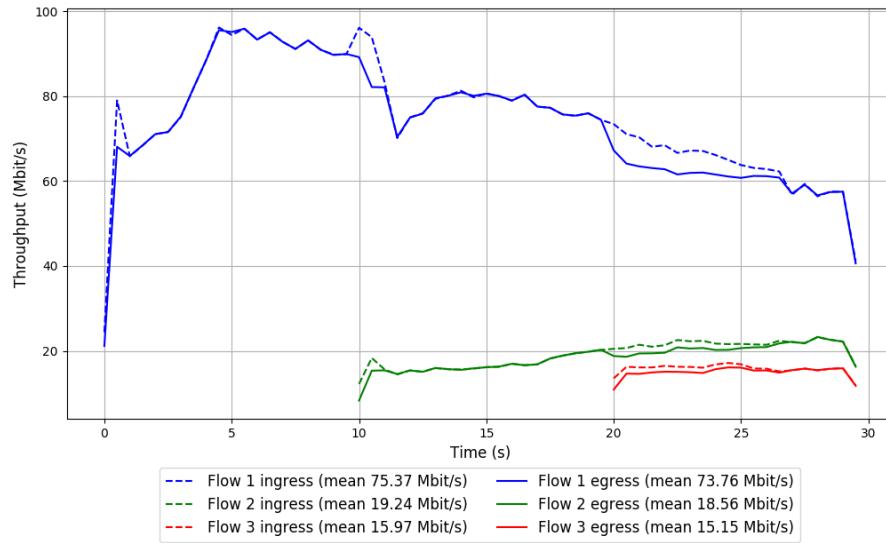


Run 2: Statistics of PCC

```
Start at: 2018-02-02 02:35:24
End at: 2018-02-02 02:35:54
Local clock offset: 3.741 ms
Remote clock offset: -19.166 ms

# Below is generated by plot.py at 2018-02-02 06:42:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 28.320 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 73.76 Mbit/s
95th percentile per-packet one-way delay: 26.430 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 30.611 ms
Loss rate: 3.54%
-- Flow 3:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 32.434 ms
Loss rate: 5.17%
```

Run 2: Report of PCC — Data Link

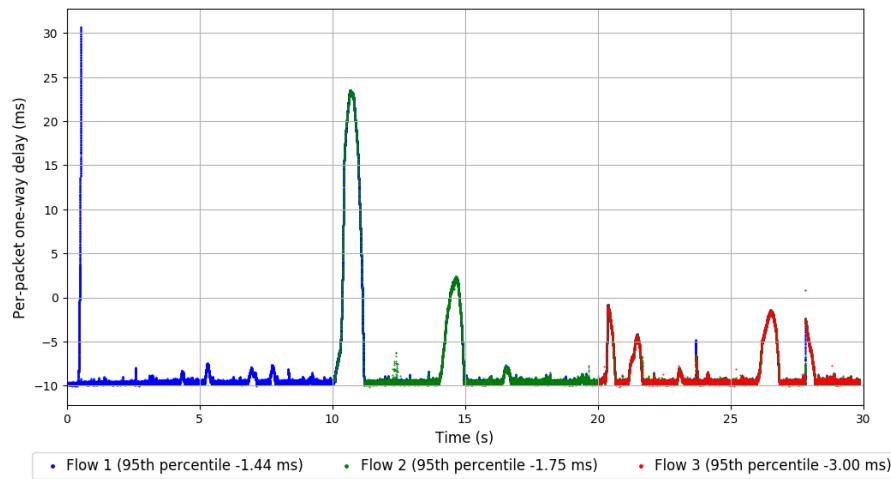
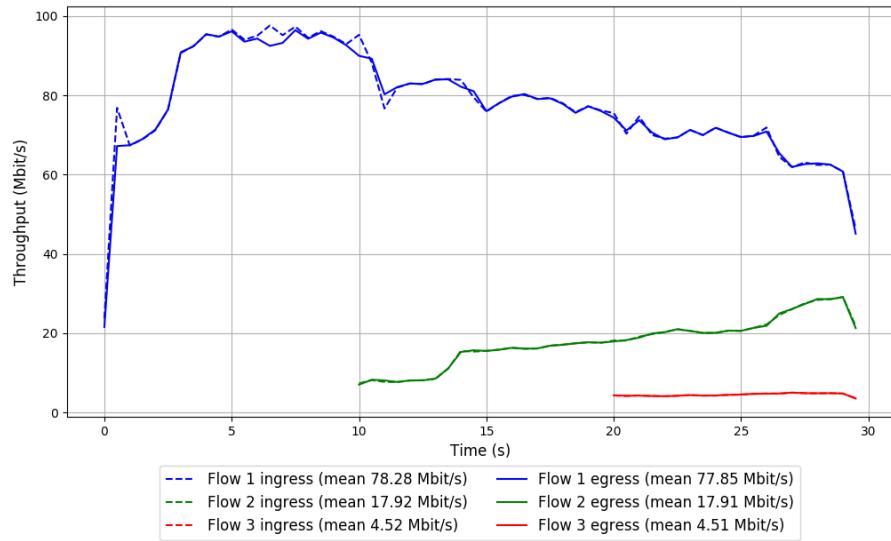


Run 3: Statistics of PCC

```
Start at: 2018-02-02 02:57:55
End at: 2018-02-02 02:58:25
Local clock offset: 7.606 ms
Remote clock offset: -19.936 ms

# Below is generated by plot.py at 2018-02-02 06:43:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: -1.615 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 77.85 Mbit/s
95th percentile per-packet one-way delay: -1.440 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: -1.751 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: -2.997 ms
Loss rate: 0.03%
```

Run 3: Report of PCC — Data Link

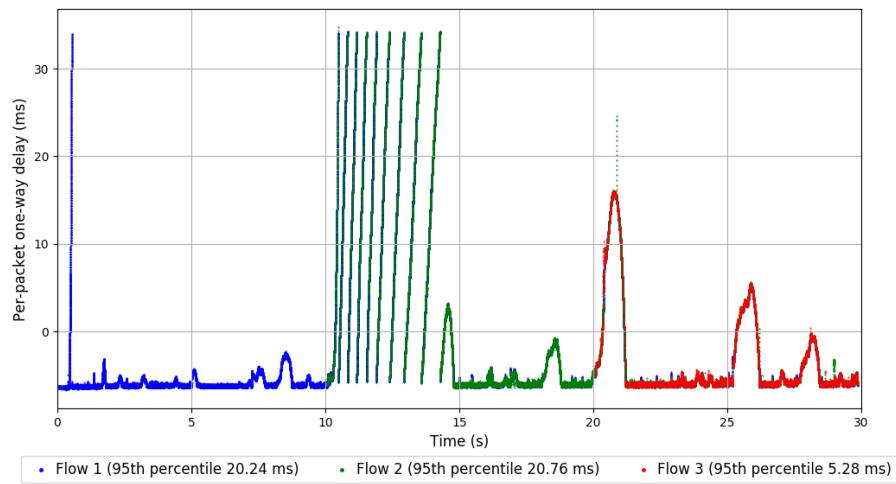
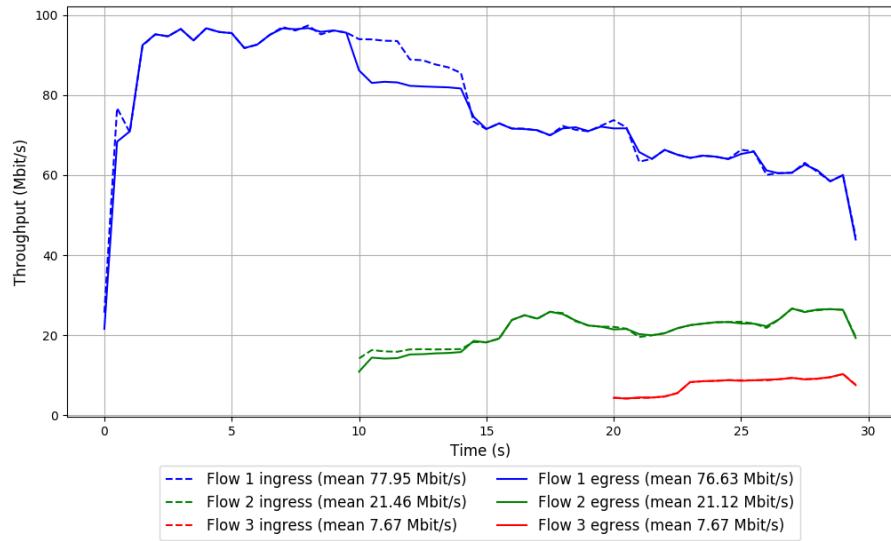


Run 4: Statistics of PCC

```
Start at: 2018-02-02 03:20:54
End at: 2018-02-02 03:21:24
Local clock offset: 5.012 ms
Remote clock offset: -20.152 ms

# Below is generated by plot.py at 2018-02-02 06:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 19.876 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 76.63 Mbit/s
95th percentile per-packet one-way delay: 20.244 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 20.764 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 5.282 ms
Loss rate: 0.00%
```

Run 4: Report of PCC — Data Link

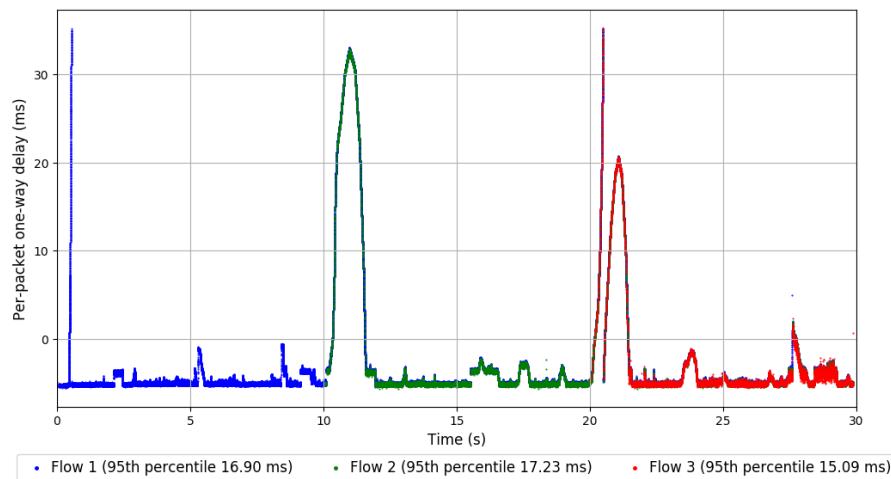
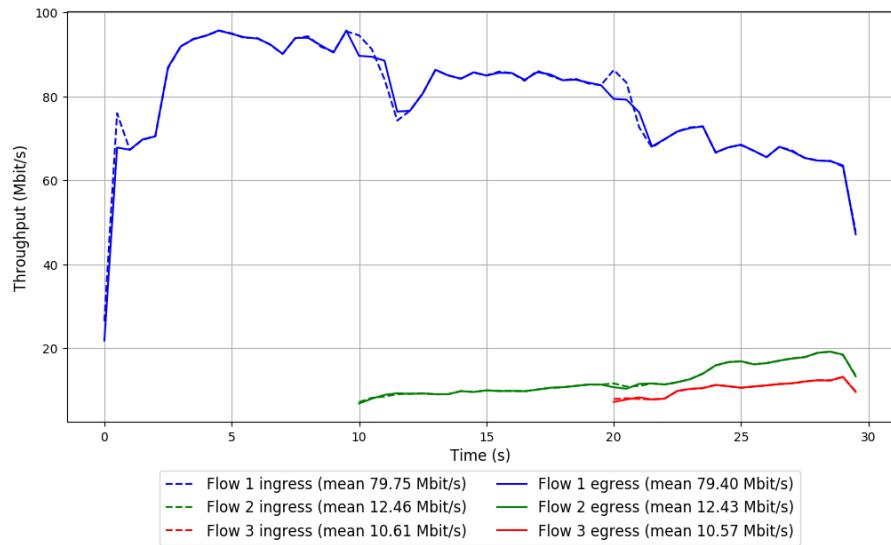


Run 5: Statistics of PCC

```
Start at: 2018-02-02 03:43:31
End at: 2018-02-02 03:44:01
Local clock offset: 2.264 ms
Remote clock offset: -23.512 ms

# Below is generated by plot.py at 2018-02-02 06:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 16.818 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 16.902 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 17.234 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 15.088 ms
Loss rate: 0.34%
```

Run 5: Report of PCC — Data Link

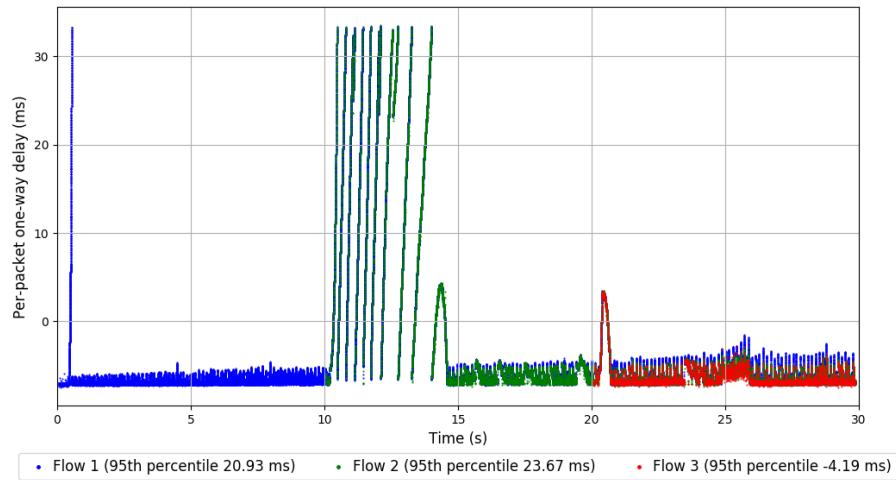
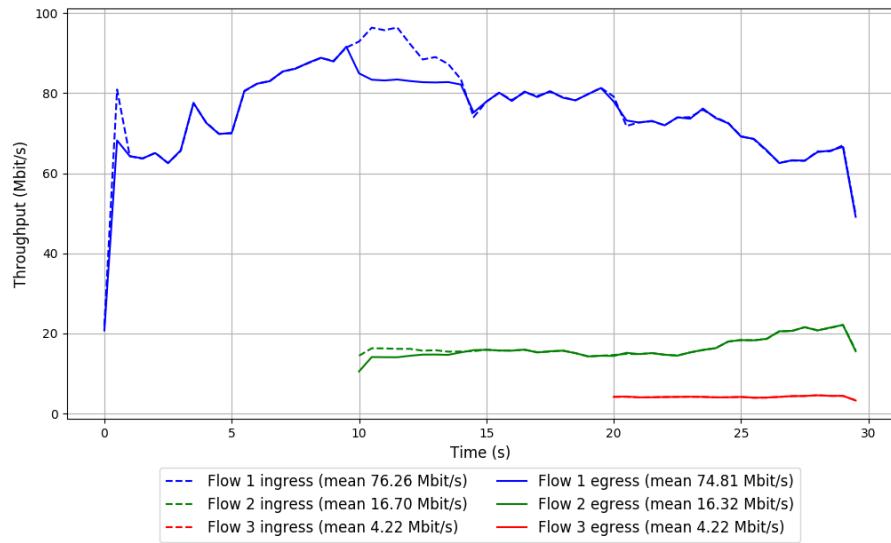


Run 6: Statistics of PCC

```
Start at: 2018-02-02 04:06:25
End at: 2018-02-02 04:06:55
Local clock offset: 1.035 ms
Remote clock offset: -26.02 ms

# Below is generated by plot.py at 2018-02-02 06:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 21.063 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 20.927 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 23.668 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: -4.192 ms
Loss rate: 0.00%
```

Run 6: Report of PCC — Data Link

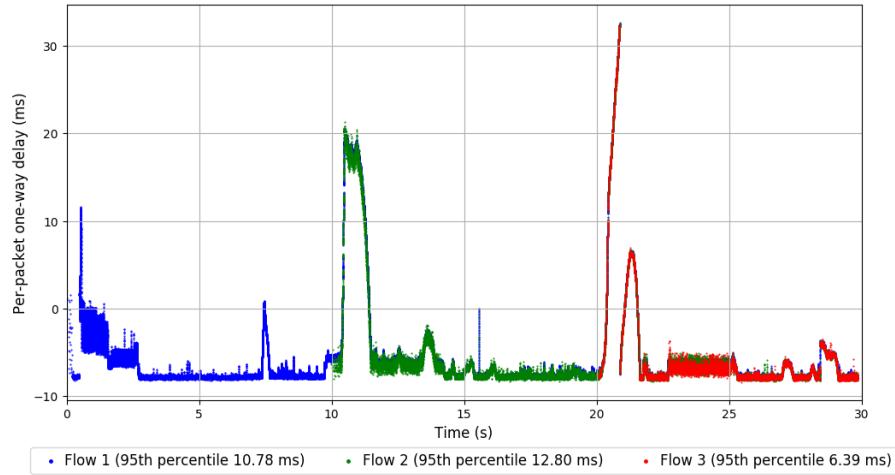
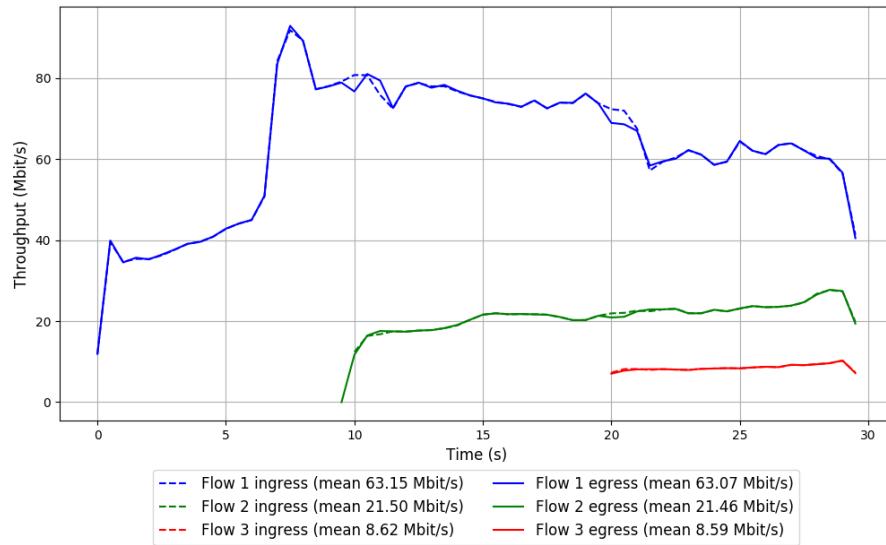


Run 7: Statistics of PCC

```
Start at: 2018-02-02 04:29:20
End at: 2018-02-02 04:29:50
Local clock offset: 3.459 ms
Remote clock offset: -24.092 ms

# Below is generated by plot.py at 2018-02-02 06:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 11.043 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 10.780 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 12.801 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 6.395 ms
Loss rate: 0.40%
```

Run 7: Report of PCC — Data Link

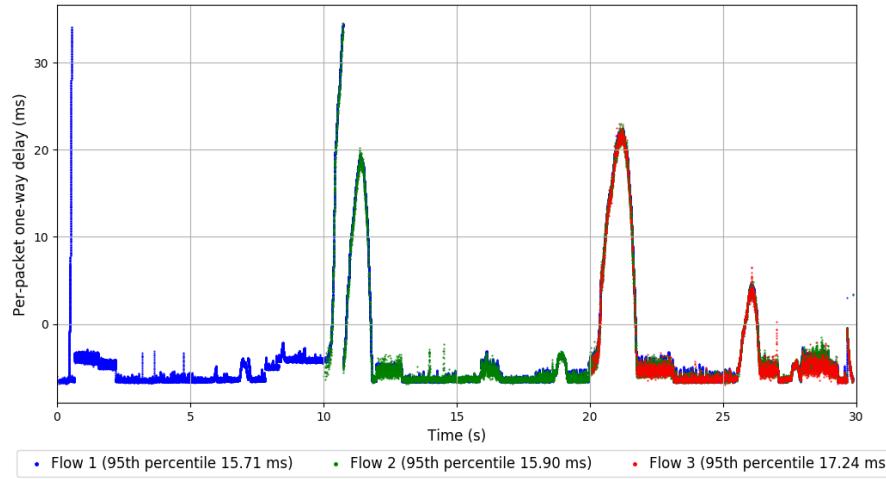
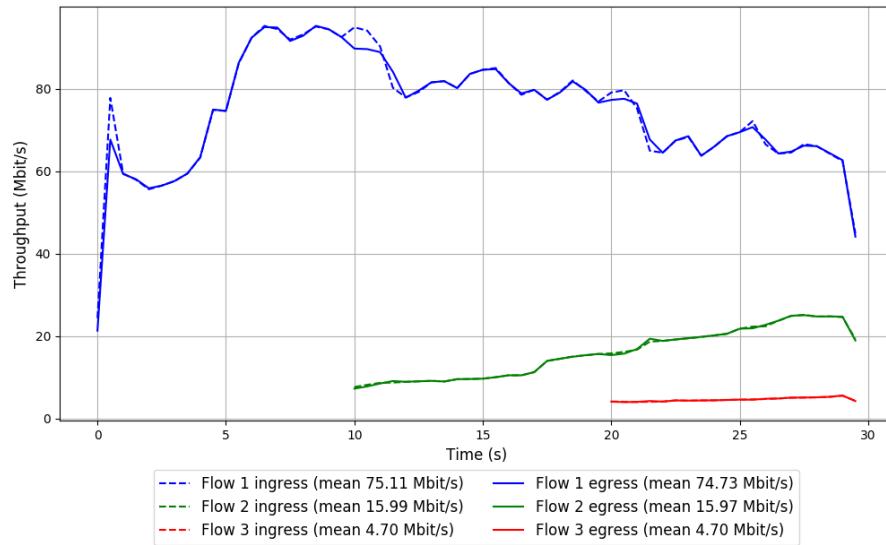


Run 8: Statistics of PCC

```
Start at: 2018-02-02 04:53:07
End at: 2018-02-02 04:53:37
Local clock offset: 0.573 ms
Remote clock offset: -19.959 ms

# Below is generated by plot.py at 2018-02-02 06:43:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 15.771 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 15.714 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 15.905 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 17.244 ms
Loss rate: 0.00%
```

Run 8: Report of PCC — Data Link

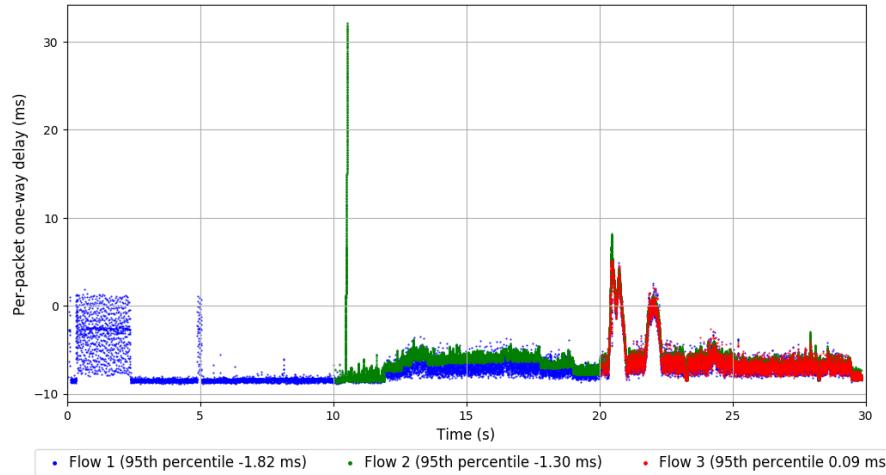
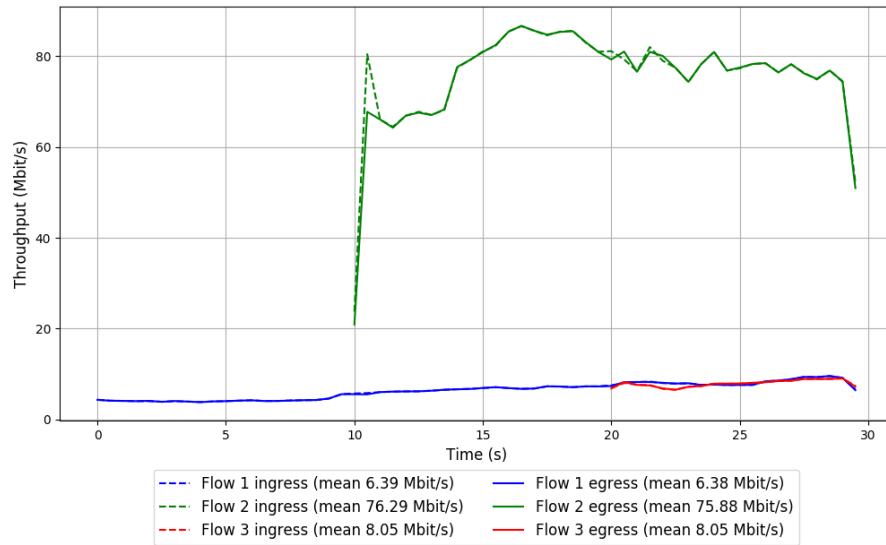


Run 9: Statistics of PCC

```
Start at: 2018-02-02 05:16:46
End at: 2018-02-02 05:17:16
Local clock offset: 1.817 ms
Remote clock offset: -17.883 ms

# Below is generated by plot.py at 2018-02-02 06:43:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: -1.185 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: -1.818 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 75.88 Mbit/s
95th percentile per-packet one-way delay: -1.296 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 0.086 ms
Loss rate: 0.00%
```

Run 9: Report of PCC — Data Link

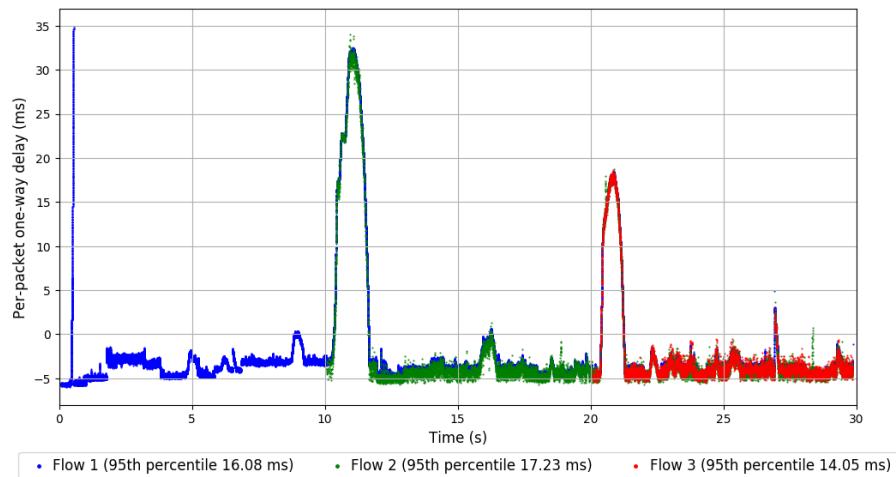
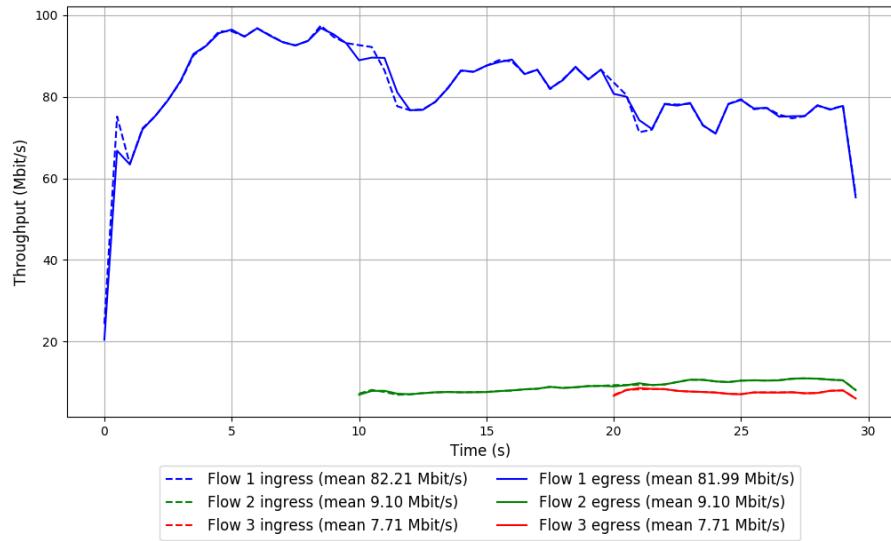


Run 10: Statistics of PCC

```
Start at: 2018-02-02 05:39:48
End at: 2018-02-02 05:40:18
Local clock offset: 4.788 ms
Remote clock offset: -17.595 ms

# Below is generated by plot.py at 2018-02-02 06:43:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 16.163 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 16.084 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 17.225 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 0.00%
```

Run 10: Report of PCC — Data Link

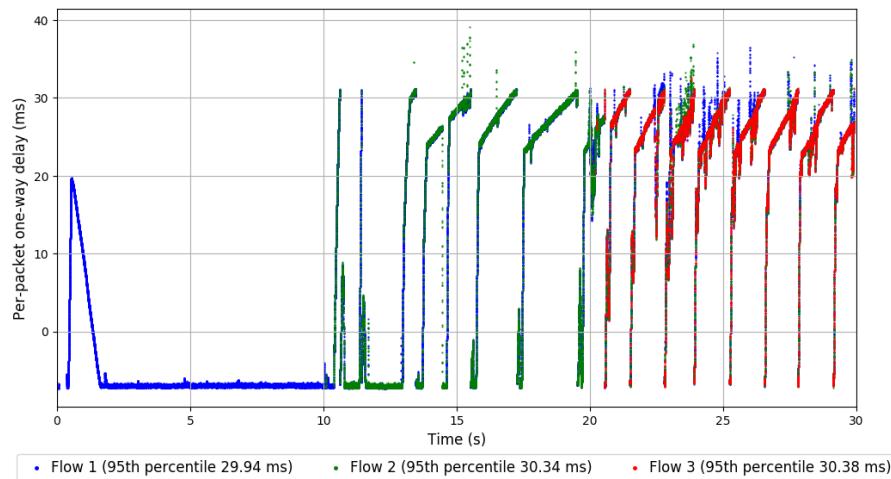
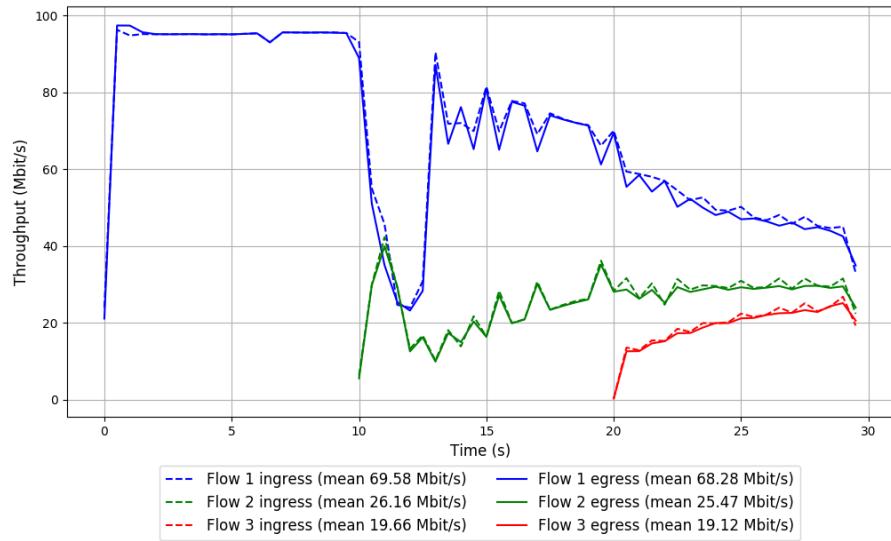


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-02 02:15:12
End at: 2018-02-02 02:15:42
Local clock offset: 4.417 ms
Remote clock offset: -20.166 ms

# Below is generated by plot.py at 2018-02-02 06:44:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.45 Mbit/s
95th percentile per-packet one-way delay: 30.103 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 29.942 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 30.339 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 19.12 Mbit/s
95th percentile per-packet one-way delay: 30.379 ms
Loss rate: 2.65%
```

Run 1: Report of QUIC Cubic — Data Link

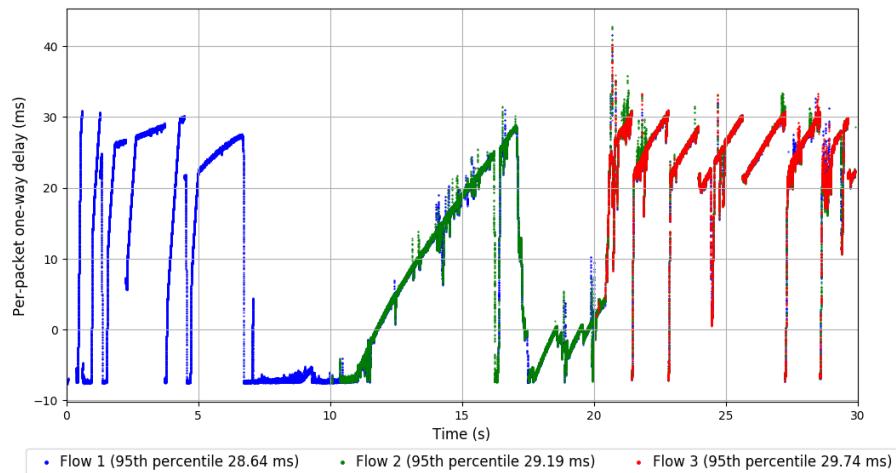
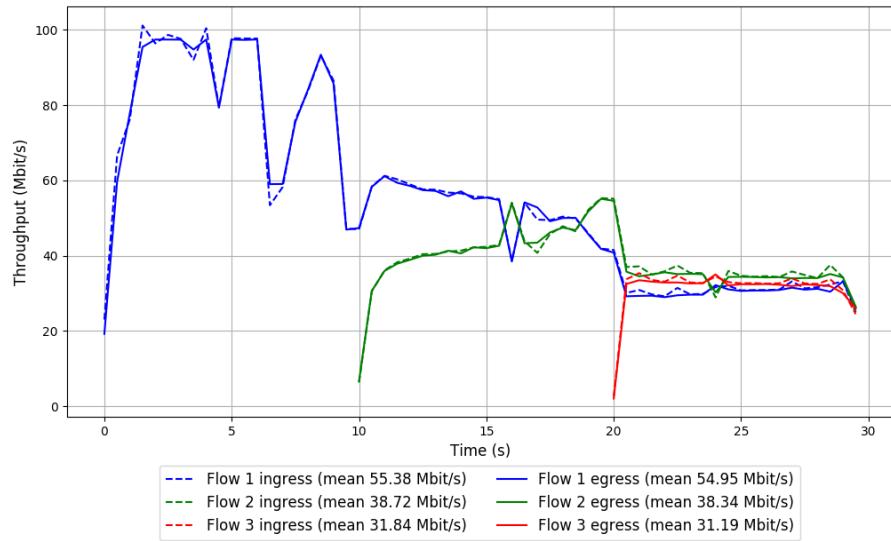


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-02 02:37:46
End at: 2018-02-02 02:38:16
Local clock offset: 2.532 ms
Remote clock offset: -22.343 ms

# Below is generated by plot.py at 2018-02-02 06:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: 29.111 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 29.193 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 29.737 ms
Loss rate: 1.84%
```

Run 2: Report of QUIC Cubic — Data Link

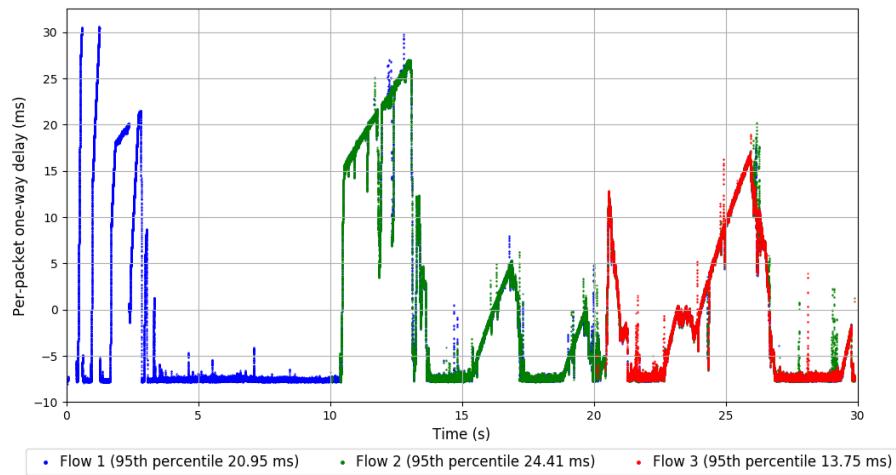
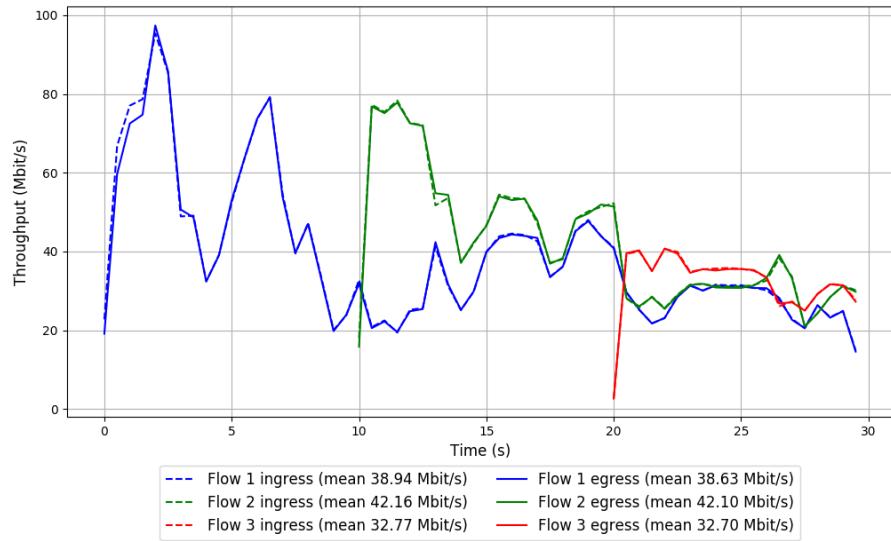


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-02-02 03:00:19
End at: 2018-02-02 03:00:49
Local clock offset: 5.918 ms
Remote clock offset: -19.502 ms

# Below is generated by plot.py at 2018-02-02 06:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 22.112 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 20.945 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 42.10 Mbit/s
95th percentile per-packet one-way delay: 24.410 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 13.751 ms
Loss rate: 0.14%
```

Run 3: Report of QUIC Cubic — Data Link

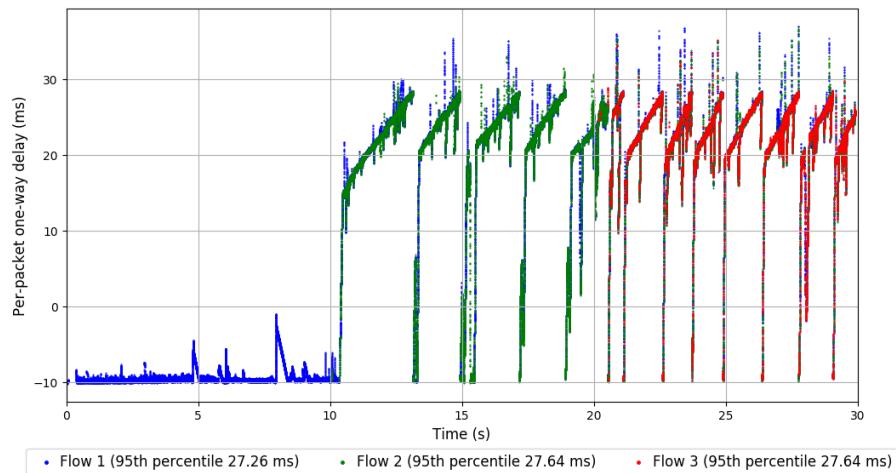
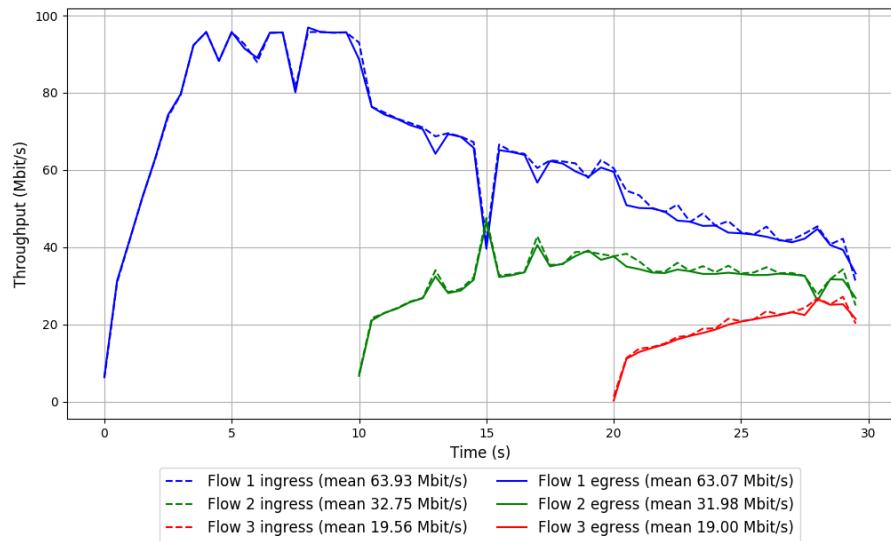


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-02 03:23:18
End at: 2018-02-02 03:23:48
Local clock offset: 7.508 ms
Remote clock offset: -22.073 ms

# Below is generated by plot.py at 2018-02-02 06:44:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 27.430 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 27.260 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 27.644 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 19.00 Mbit/s
95th percentile per-packet one-way delay: 27.645 ms
Loss rate: 2.84%
```

Run 4: Report of QUIC Cubic — Data Link

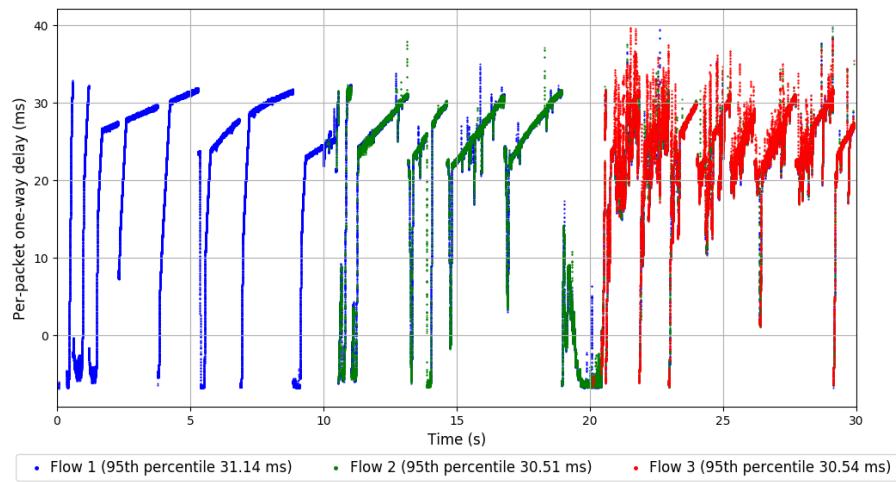
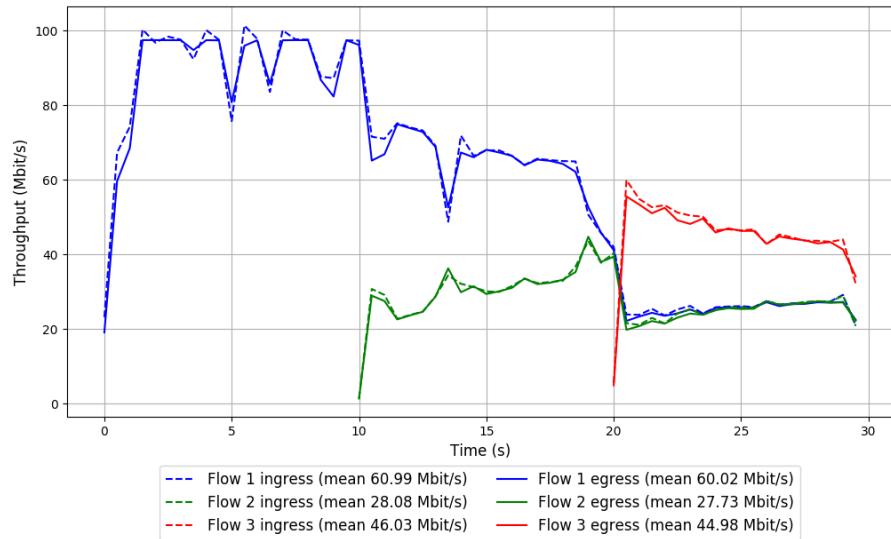


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-02 03:45:55
End at: 2018-02-02 03:46:25
Local clock offset: 2.948 ms
Remote clock offset: -23.857 ms

# Below is generated by plot.py at 2018-02-02 06:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 30.992 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 31.143 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 30.506 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 44.98 Mbit/s
95th percentile per-packet one-way delay: 30.537 ms
Loss rate: 1.85%
```

Run 5: Report of QUIC Cubic — Data Link

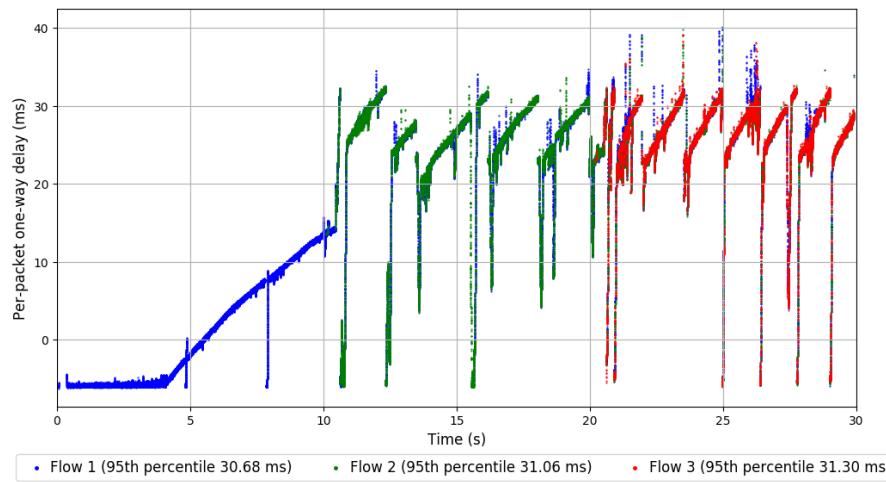
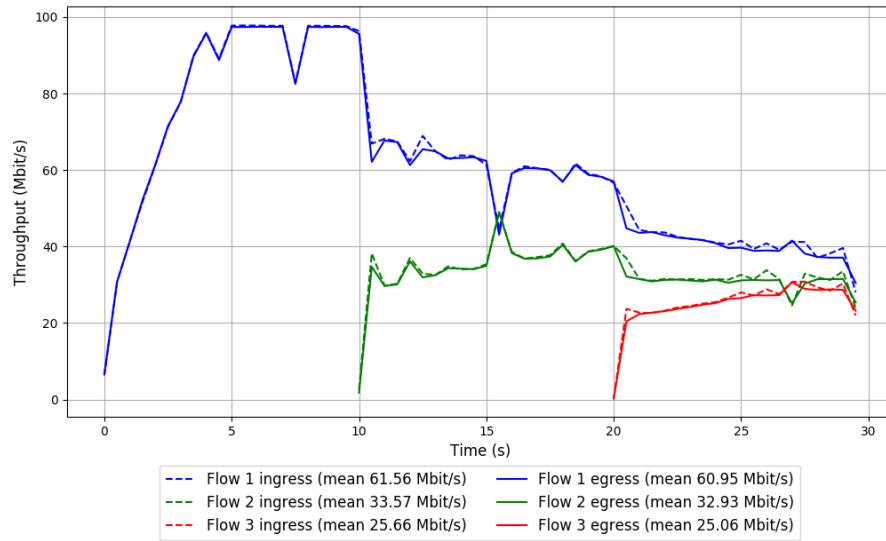


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-02 04:08:50
End at: 2018-02-02 04:09:20
Local clock offset: 0.653 ms
Remote clock offset: -25.286 ms

# Below is generated by plot.py at 2018-02-02 06:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 30.867 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 30.675 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 31.057 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 31.304 ms
Loss rate: 2.26%
```

Run 6: Report of QUIC Cubic — Data Link

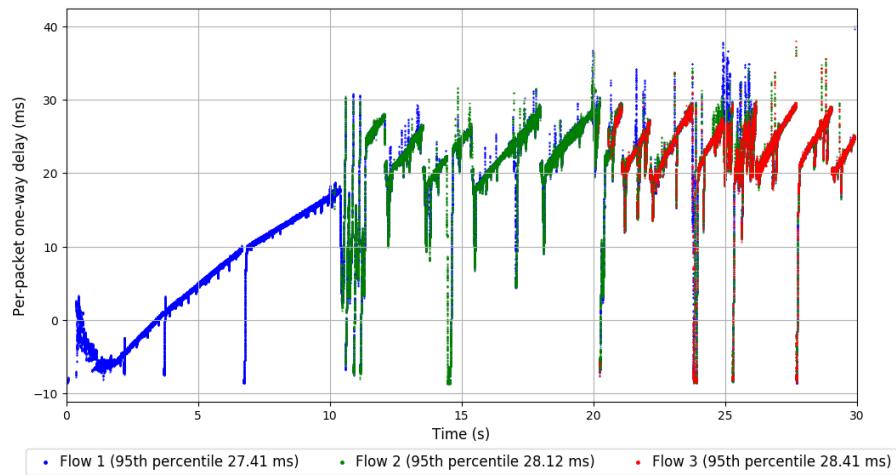
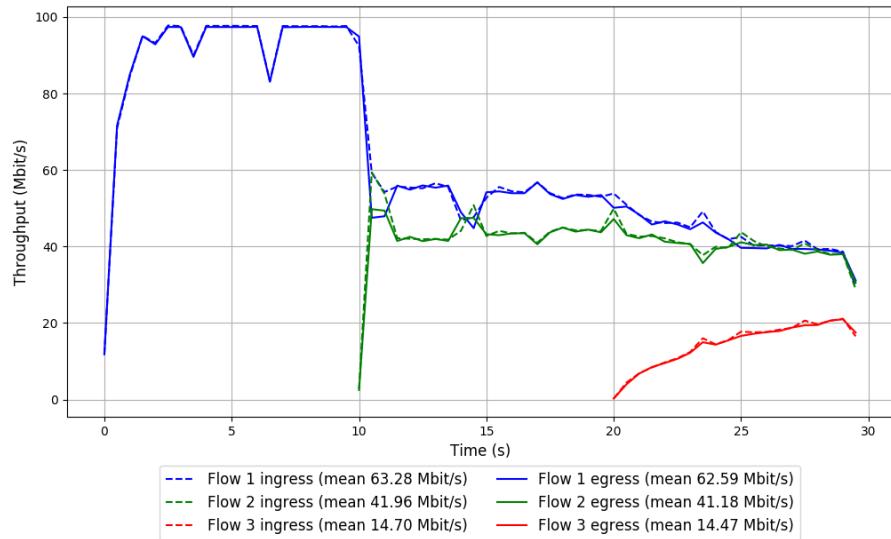


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-02 04:31:45
End at: 2018-02-02 04:32:15
Local clock offset: 3.176 ms
Remote clock offset: -23.865 ms

# Below is generated by plot.py at 2018-02-02 06:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 27.759 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 62.59 Mbit/s
95th percentile per-packet one-way delay: 27.413 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 28.124 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 28.407 ms
Loss rate: 1.56%
```

Run 7: Report of QUIC Cubic — Data Link

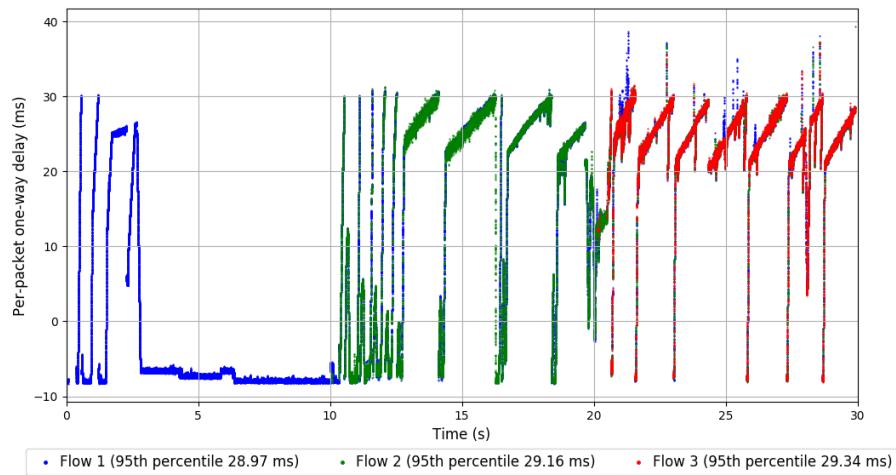
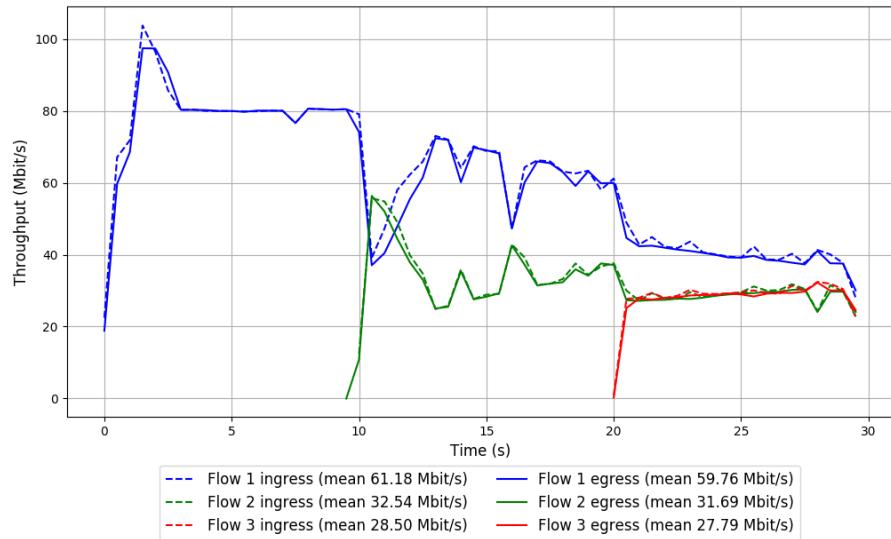


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-02 04:55:37
End at: 2018-02-02 04:56:07
Local clock offset: 0.644 ms
Remote clock offset: -21.1 ms

# Below is generated by plot.py at 2018-02-02 06:45:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 29.081 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 28.967 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 29.165 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 27.79 Mbit/s
95th percentile per-packet one-way delay: 29.340 ms
Loss rate: 2.32%
```

Run 8: Report of QUIC Cubic — Data Link

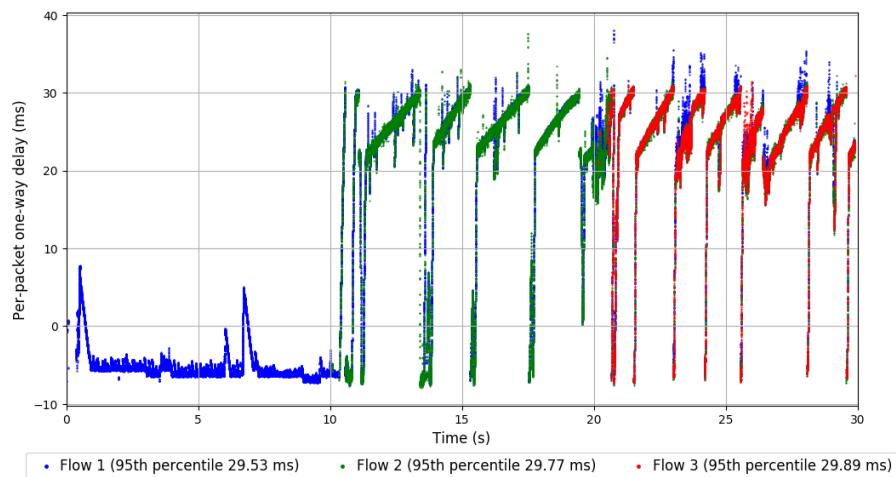
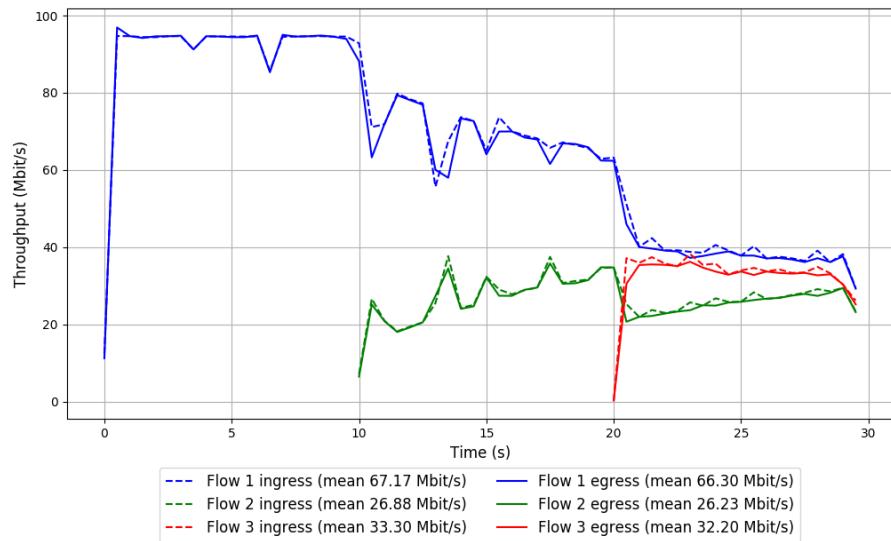


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-02 05:19:10
End at: 2018-02-02 05:19:40
Local clock offset: 1.369 ms
Remote clock offset: -18.581 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 29.621 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 29.531 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 29.775 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 29.895 ms
Loss rate: 3.22%
```

Run 9: Report of QUIC Cubic — Data Link

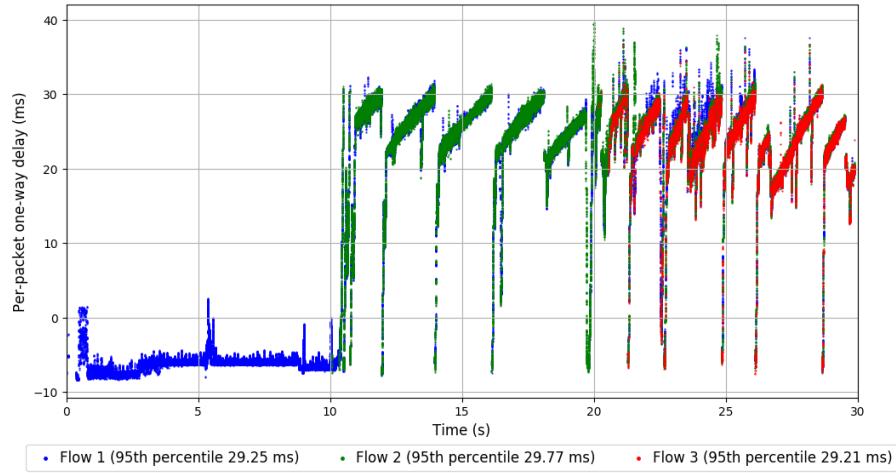
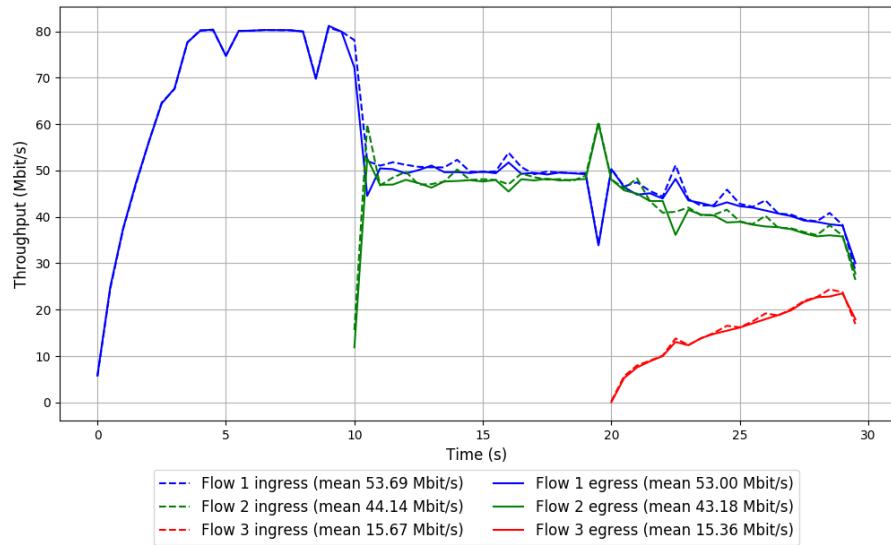


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-02 05:42:13
End at: 2018-02-02 05:42:43
Local clock offset: 6.802 ms
Remote clock offset: -19.034 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 29.483 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 29.251 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 29.765 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 29.210 ms
Loss rate: 2.05%
```

Run 10: Report of QUIC Cubic — Data Link

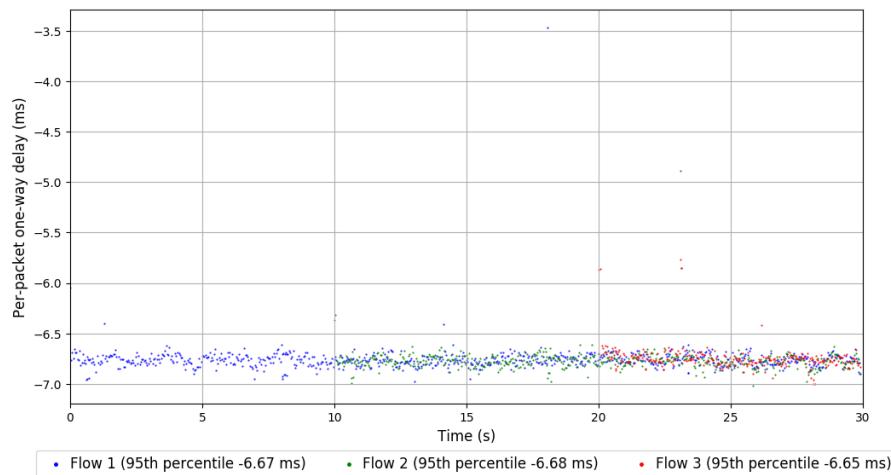
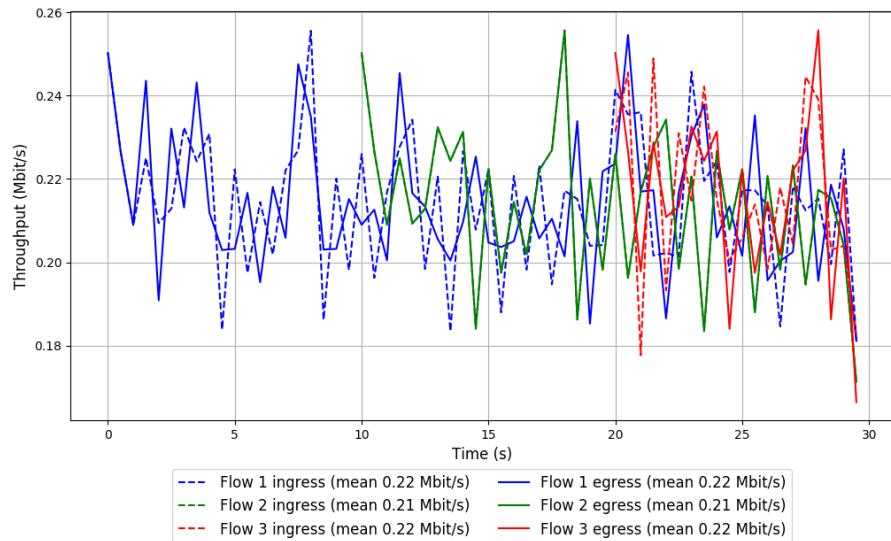


Run 1: Statistics of SCReAM

```
Start at: 2018-02-02 02:18:46
End at: 2018-02-02 02:19:16
Local clock offset: 2.941 ms
Remote clock offset: -21.224 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.673 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.679 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.647 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

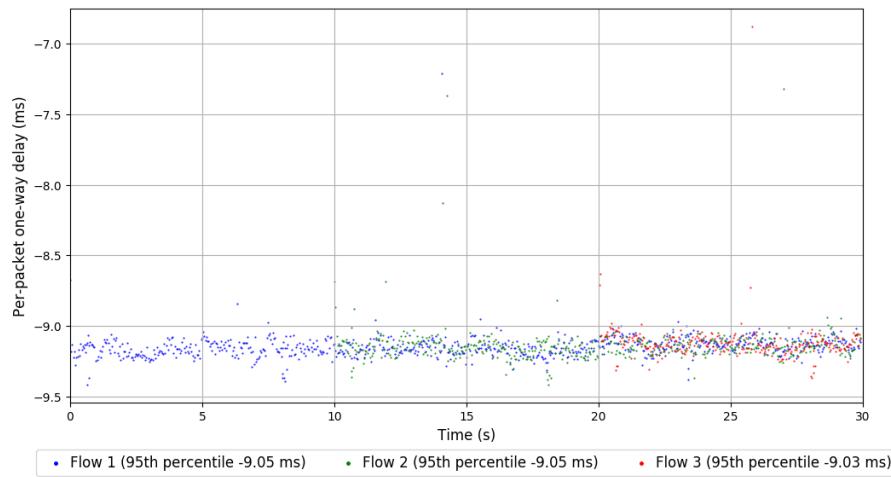
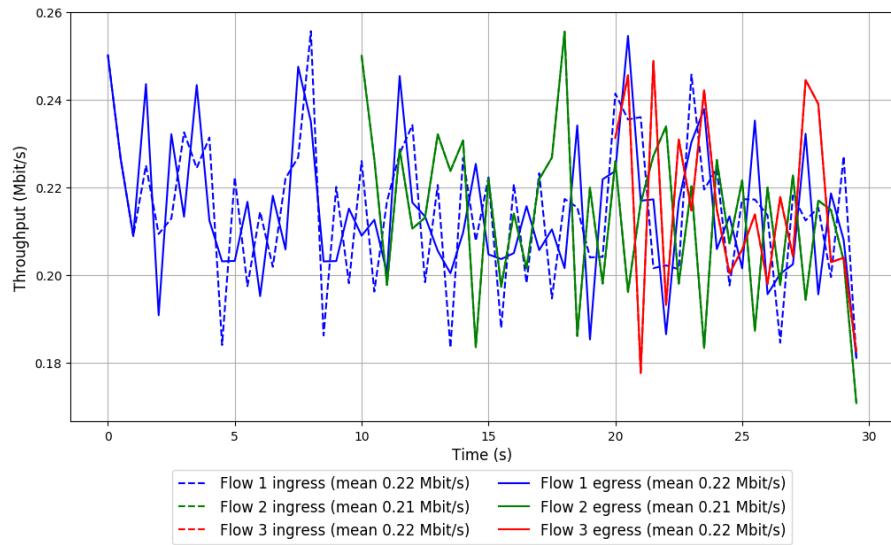


Run 2: Statistics of SCReAM

```
Start at: 2018-02-02 02:41:19
End at: 2018-02-02 02:41:49
Local clock offset: 0.039 ms
Remote clock offset: -26.899 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -9.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -9.054 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -9.031 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

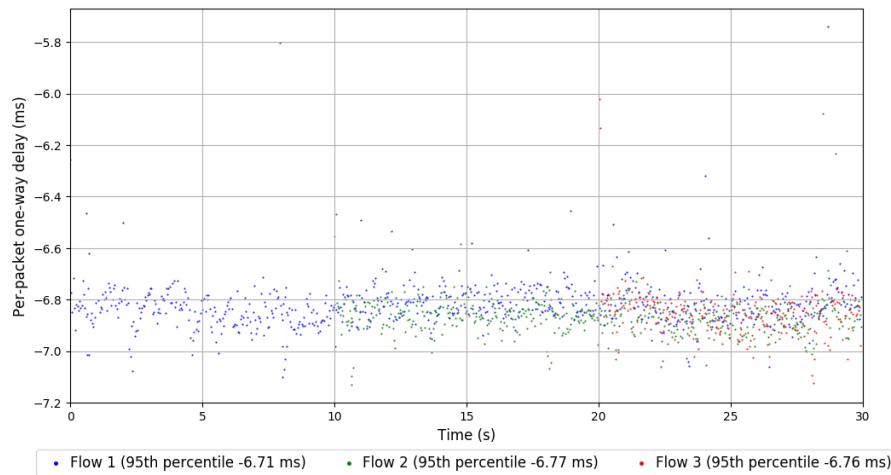
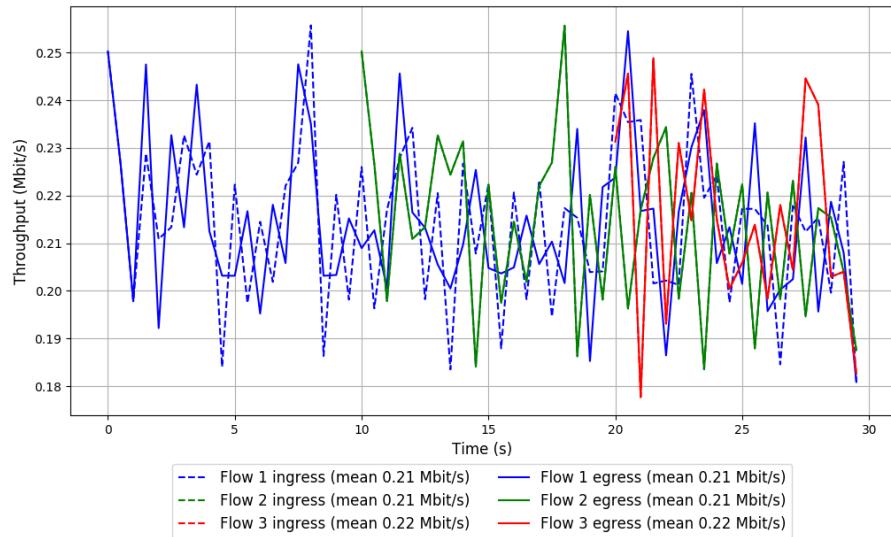


Run 3: Statistics of SCReAM

```
Start at: 2018-02-02 03:04:02
End at: 2018-02-02 03:04:32
Local clock offset: 6.578 ms
Remote clock offset: -18.213 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.712 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.770 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.765 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

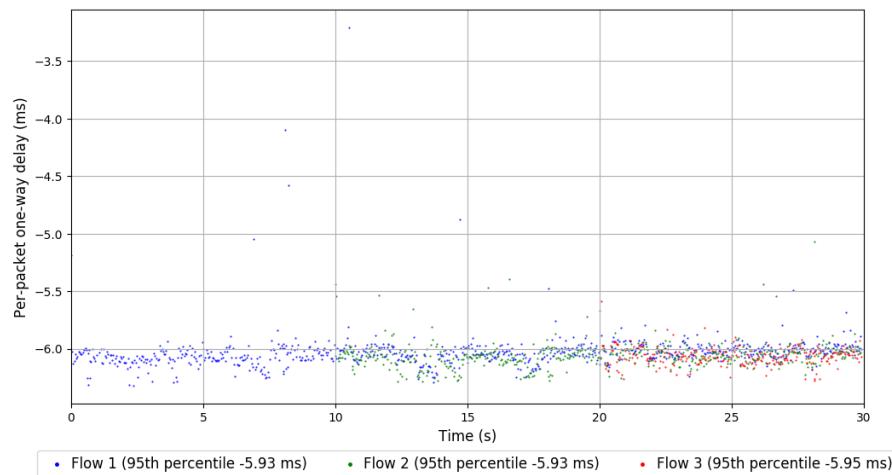
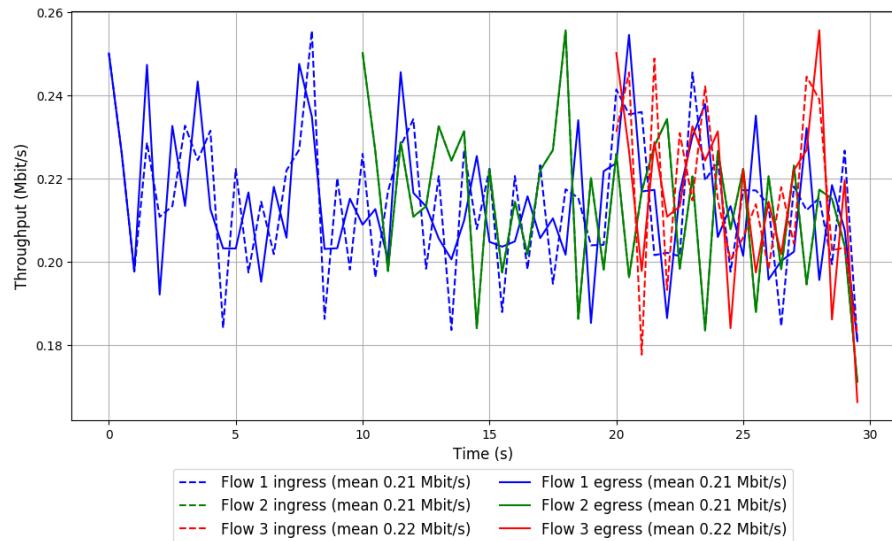


Run 4: Statistics of SCReAM

```
Start at: 2018-02-02 03:26:52
End at: 2018-02-02 03:27:22
Local clock offset: 5.498 ms
Remote clock offset: -21.29 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -5.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.932 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.946 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

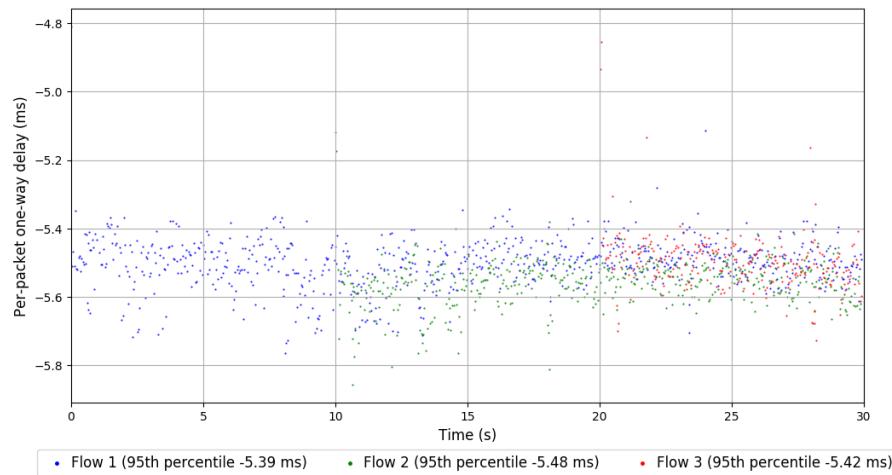
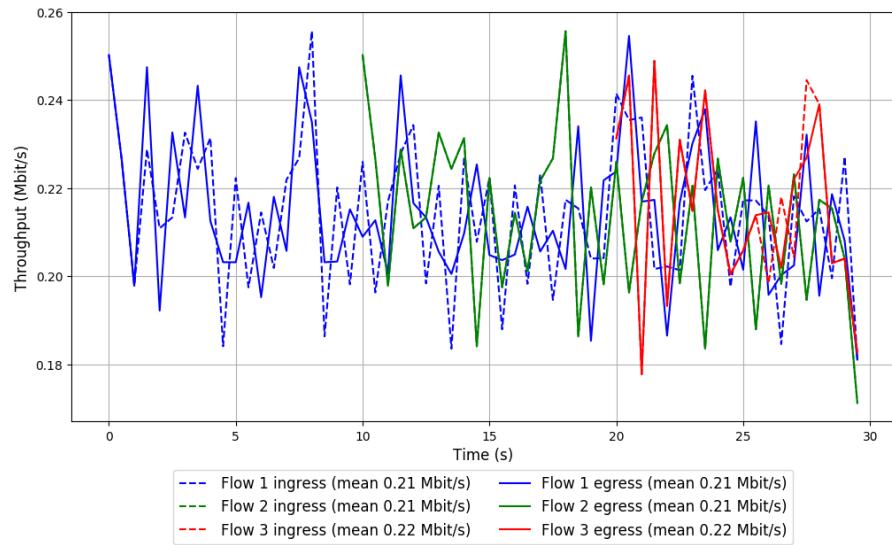


Run 5: Statistics of SCReAM

```
Start at: 2018-02-02 03:49:29
End at: 2018-02-02 03:49:59
Local clock offset: 2.182 ms
Remote clock offset: -23.501 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -5.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.394 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.476 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.417 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

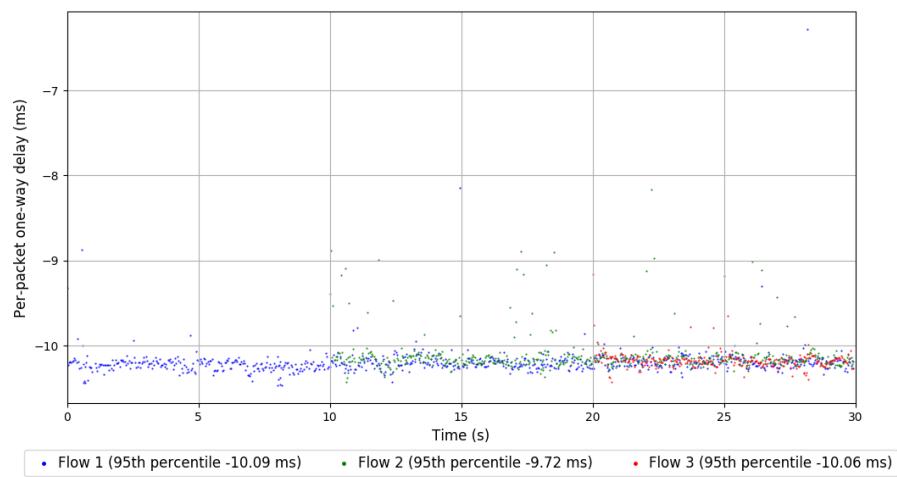
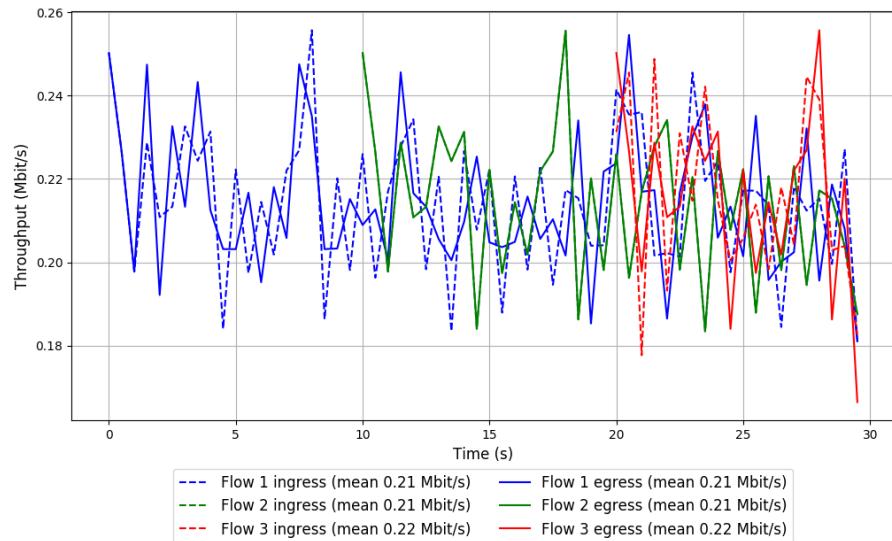


Run 6: Statistics of SCReAM

```
Start at: 2018-02-02 04:12:29
End at: 2018-02-02 04:12:59
Local clock offset: 3.293 ms
Remote clock offset: -27.165 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -10.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.720 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -10.062 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

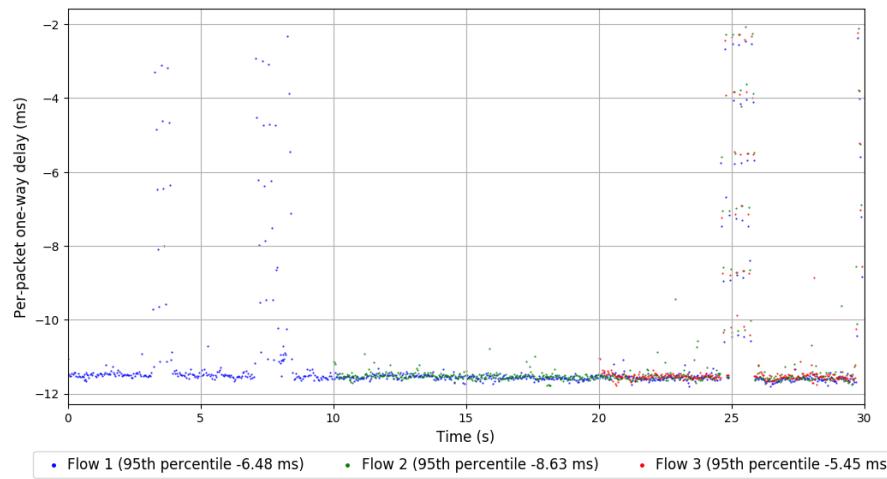
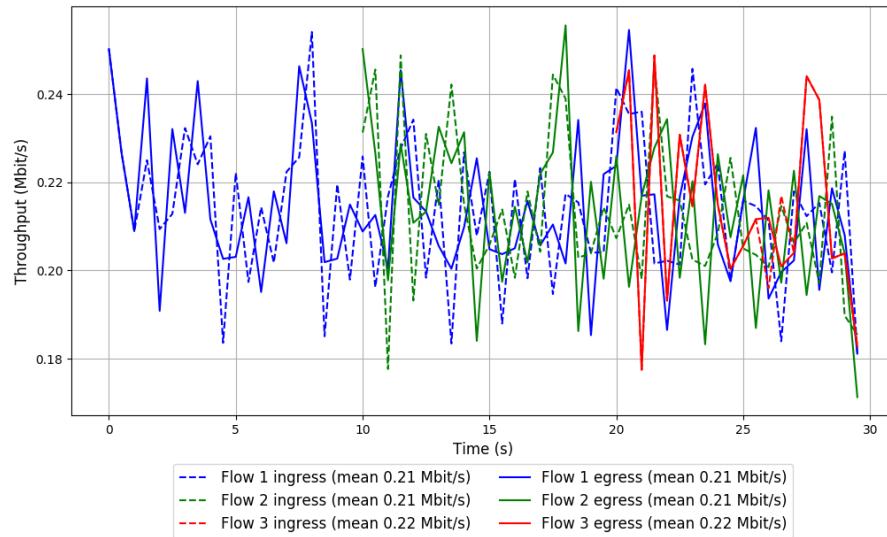


Run 7: Statistics of SCReAM

```
Start at: 2018-02-02 04:35:29
End at: 2018-02-02 04:35:59
Local clock offset: 3.953 ms
Remote clock offset: -25.006 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.480 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.452 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

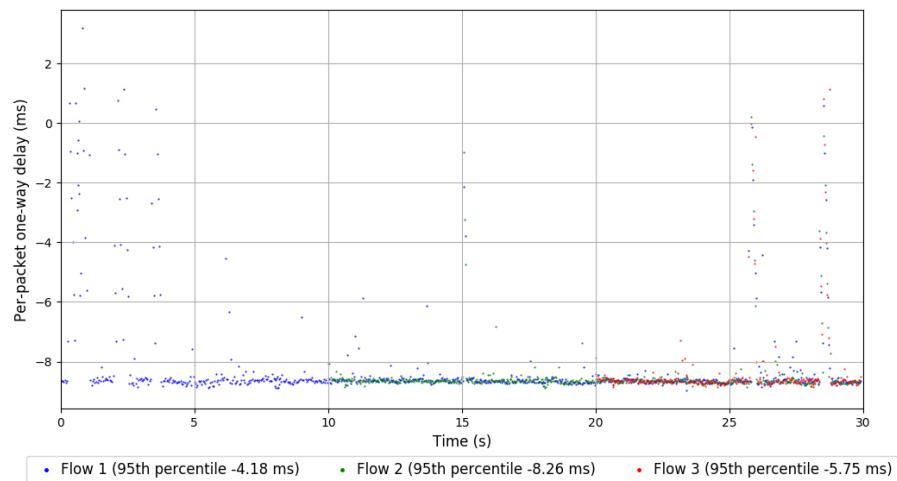
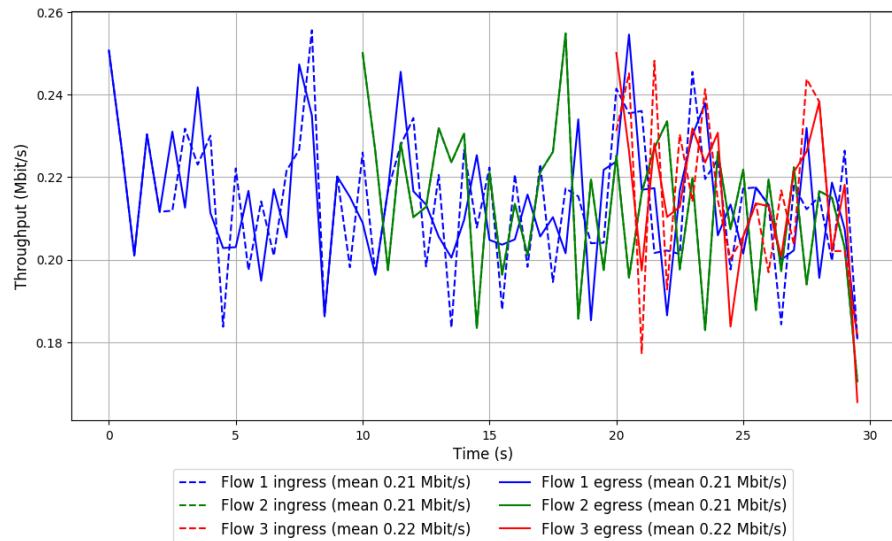


Run 8: Statistics of SCReAM

```
Start at: 2018-02-02 04:59:18
End at: 2018-02-02 04:59:48
Local clock offset: 2.093 ms
Remote clock offset: -19.885 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -5.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.754 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

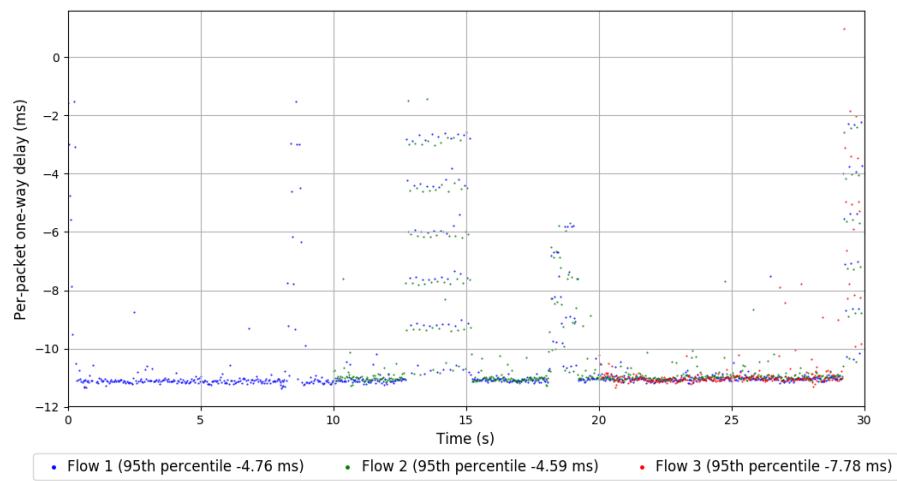
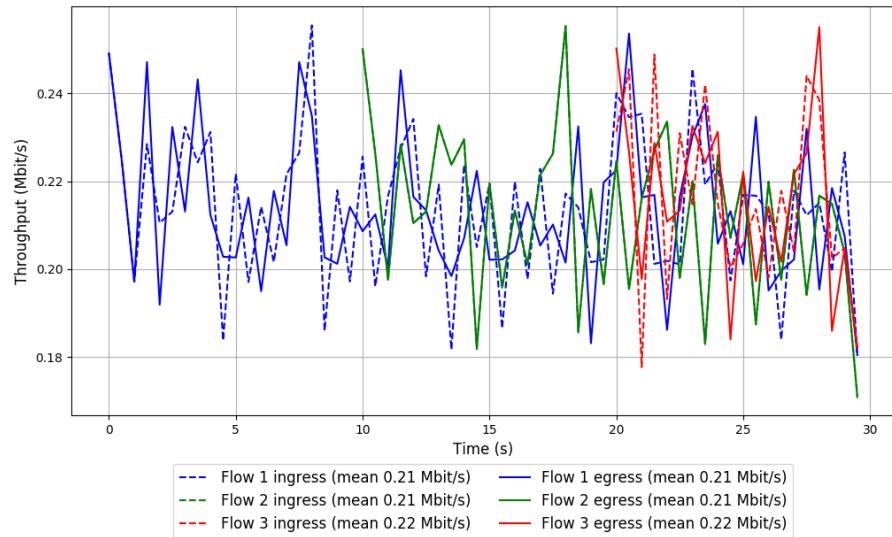


Run 9: Statistics of SCReAM

```
Start at: 2018-02-02 05:22:49
End at: 2018-02-02 05:23:19
Local clock offset: 4.003 ms
Remote clock offset: -20.083 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -5.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.764 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.588 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.782 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

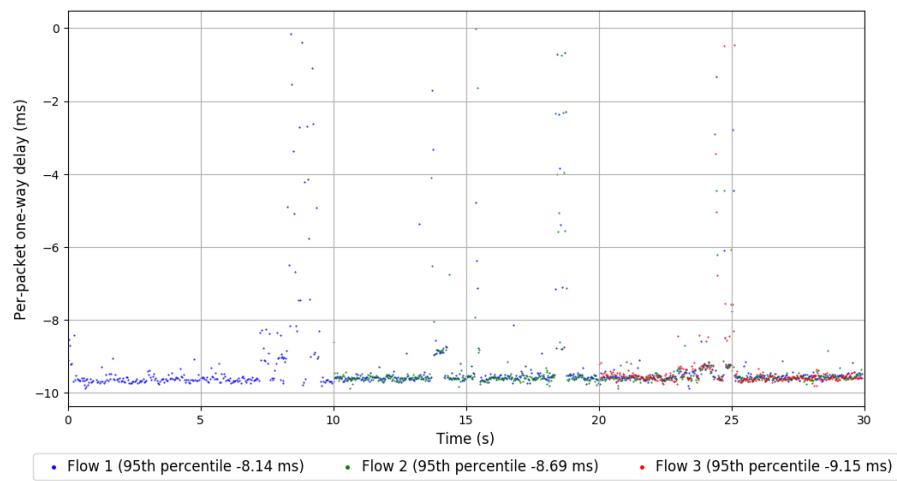
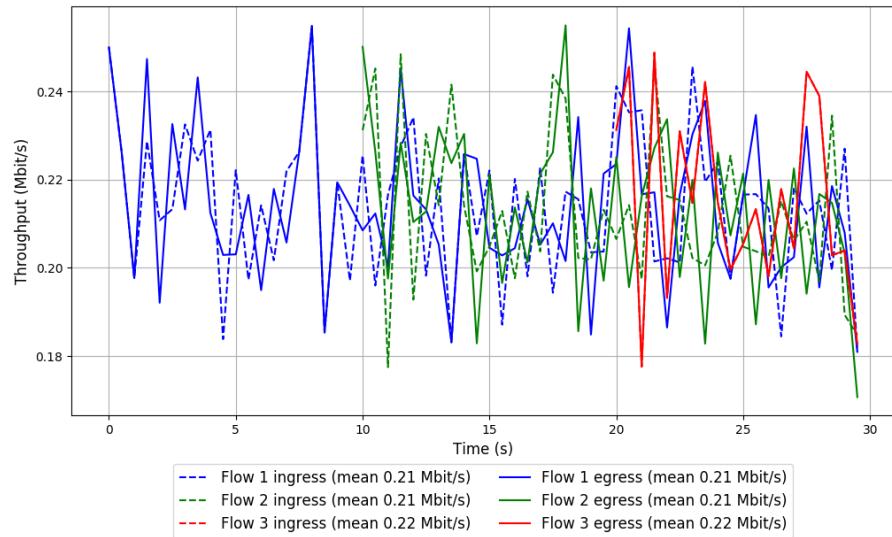


Run 10: Statistics of SCReAM

```
Start at: 2018-02-02 05:45:53
End at: 2018-02-02 05:46:23
Local clock offset: 6.382 ms
Remote clock offset: -21.862 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -8.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.693 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -9.147 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

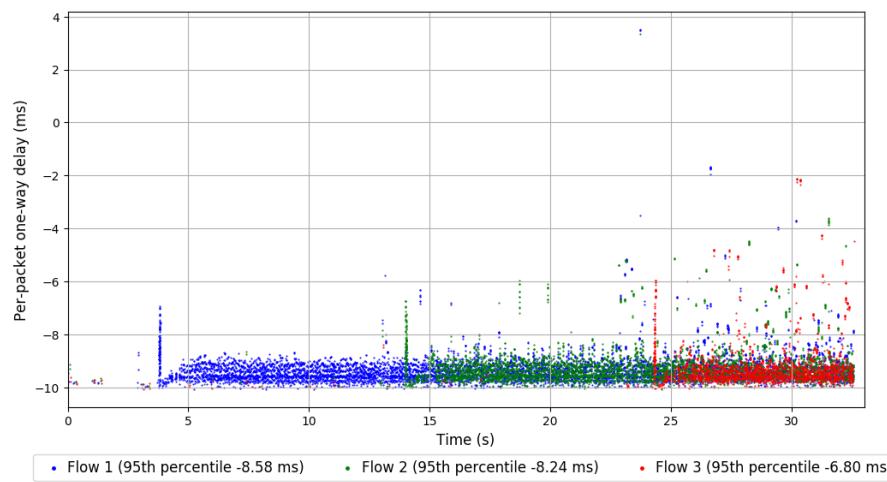
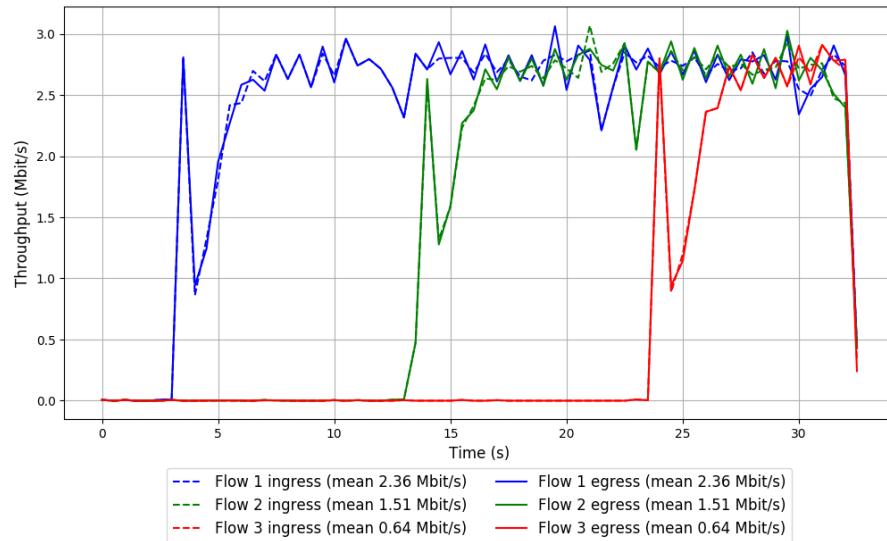


Run 1: Statistics of WebRTC media

```
Start at: 2018-02-02 02:31:53
End at: 2018-02-02 02:32:23
Local clock offset: 5.245 ms
Remote clock offset: -21.704 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: -8.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -8.576 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -8.239 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: -6.797 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

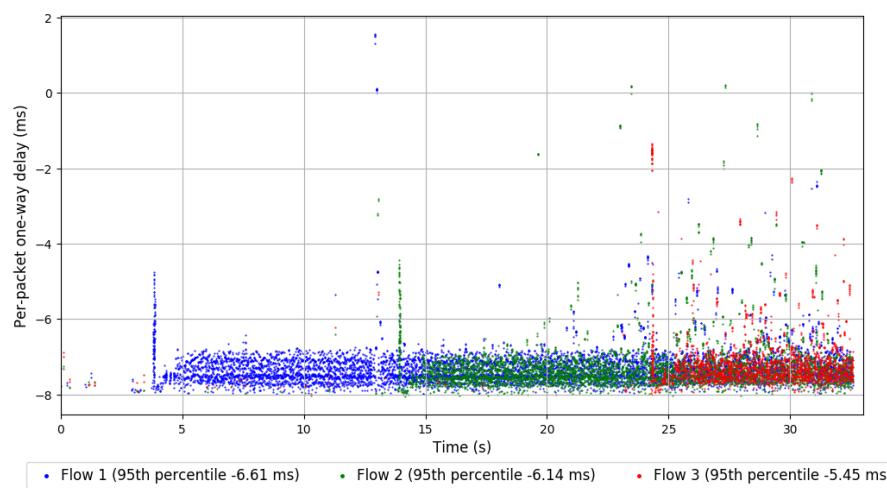
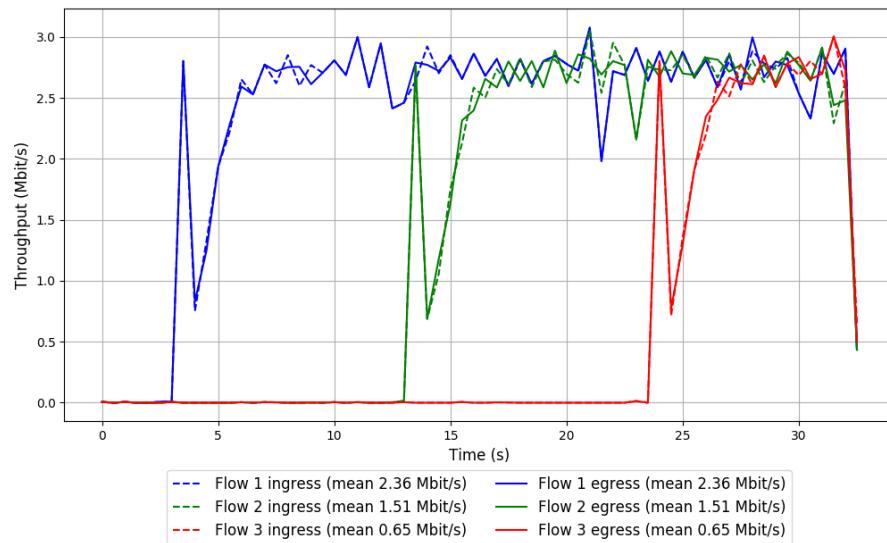


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-02 02:54:25
End at: 2018-02-02 02:54:55
Local clock offset: 5.349 ms
Remote clock offset: -19.947 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: -6.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -6.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -6.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: -5.451 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

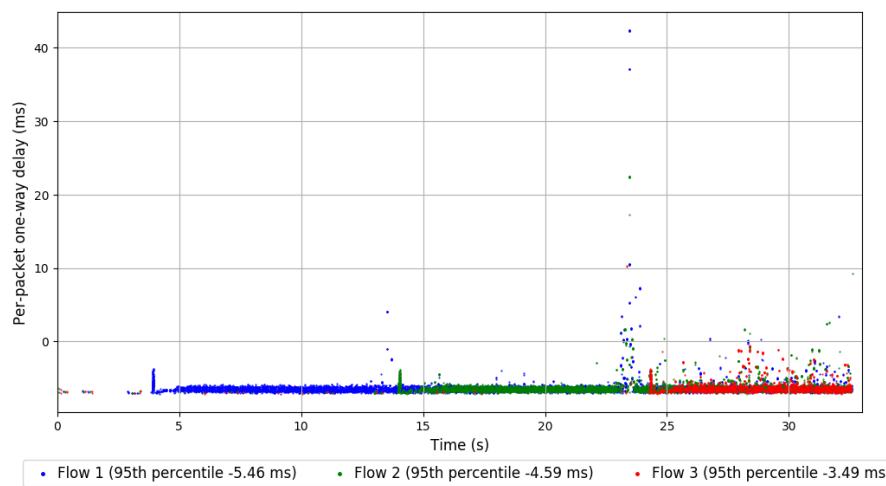
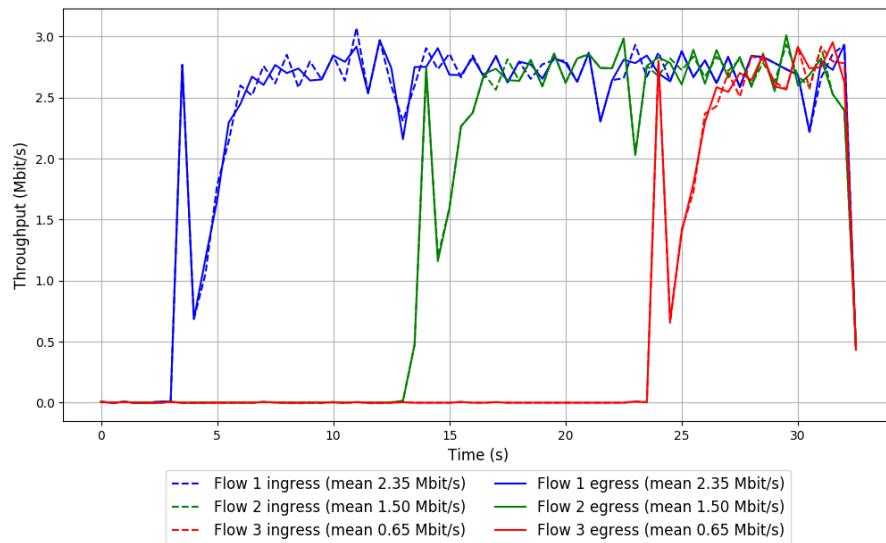


Run 3: Statistics of WebRTC media

```
Start at: 2018-02-02 03:17:18
End at: 2018-02-02 03:17:48
Local clock offset: 7.147 ms
Remote clock offset: -17.612 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: -4.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -5.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -4.595 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: -3.493 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

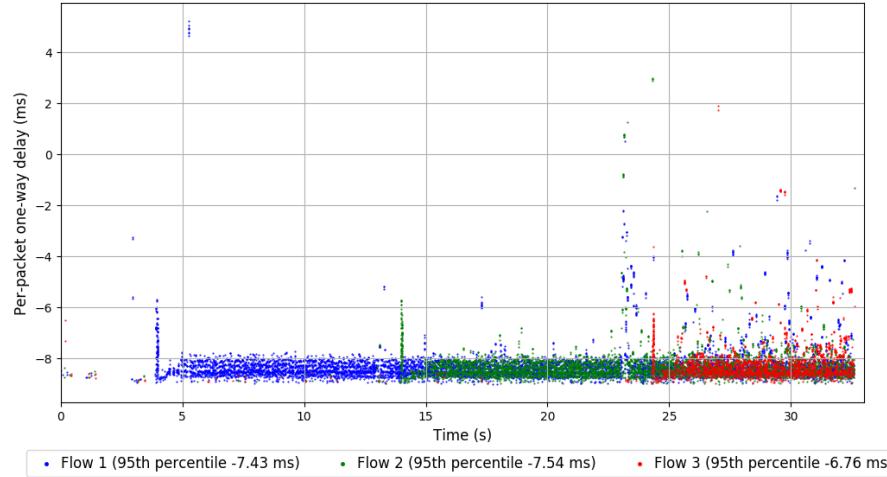
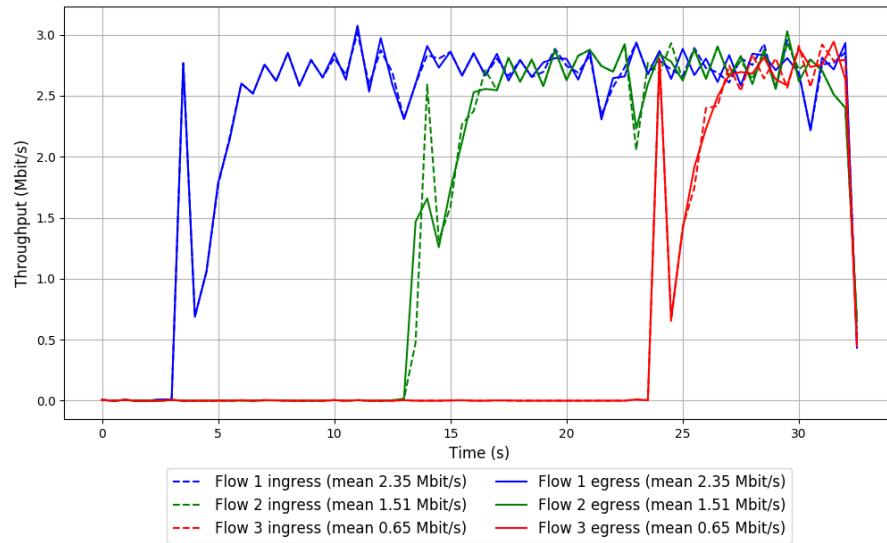


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-02 03:40:02
End at: 2018-02-02 03:40:32
Local clock offset: 6.506 ms
Remote clock offset: -22.871 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: -7.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -7.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -7.535 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: -6.756 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

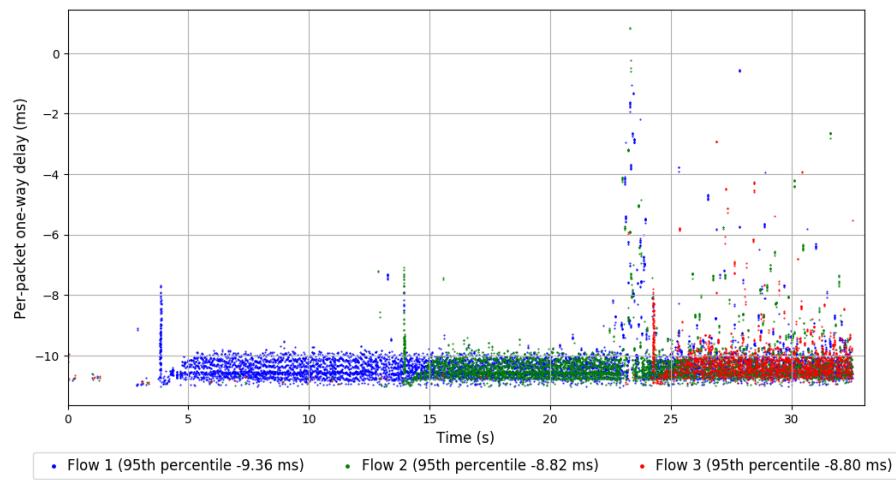
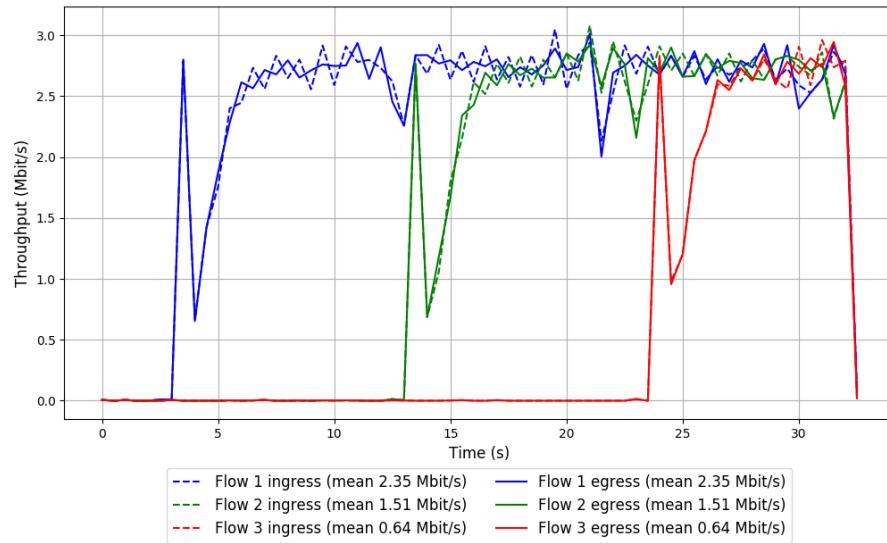


Run 5: Statistics of WebRTC media

```
Start at: 2018-02-02 04:02:52
End at: 2018-02-02 04:03:22
Local clock offset: 4.315 ms
Remote clock offset: -26.241 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: -9.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -9.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -8.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: -8.799 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

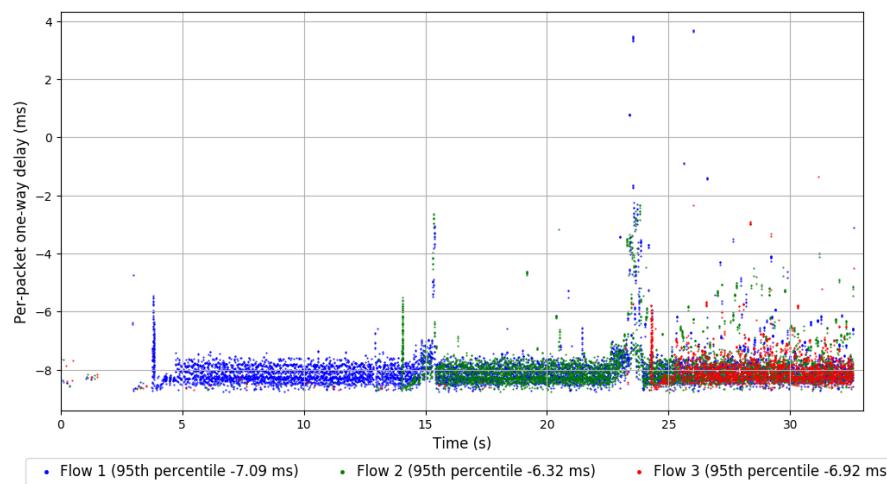
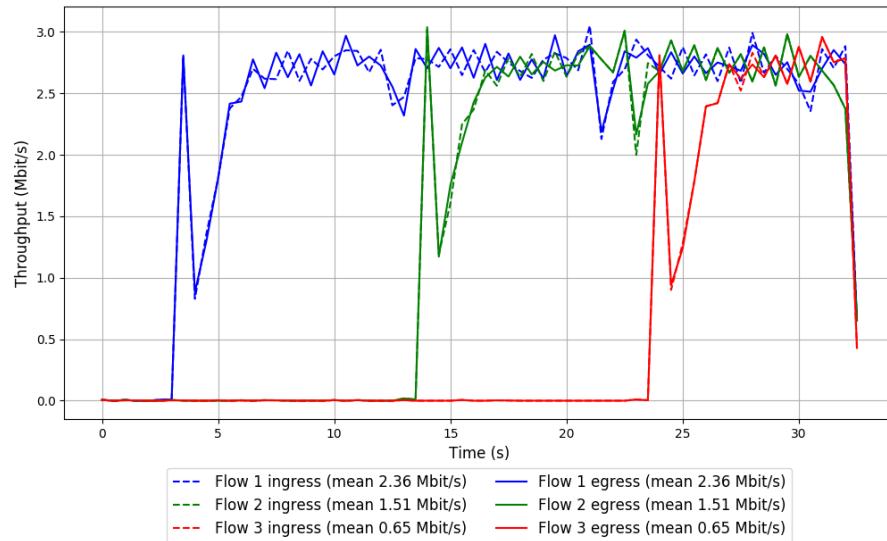


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-02 04:25:47
End at: 2018-02-02 04:26:17
Local clock offset: 4.392 ms
Remote clock offset: -24.65 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: -6.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -7.092 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -6.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: -6.917 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

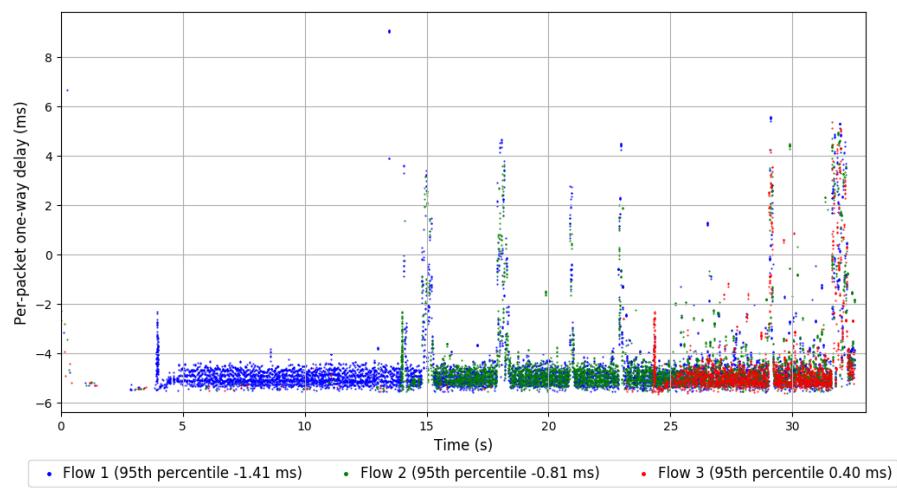
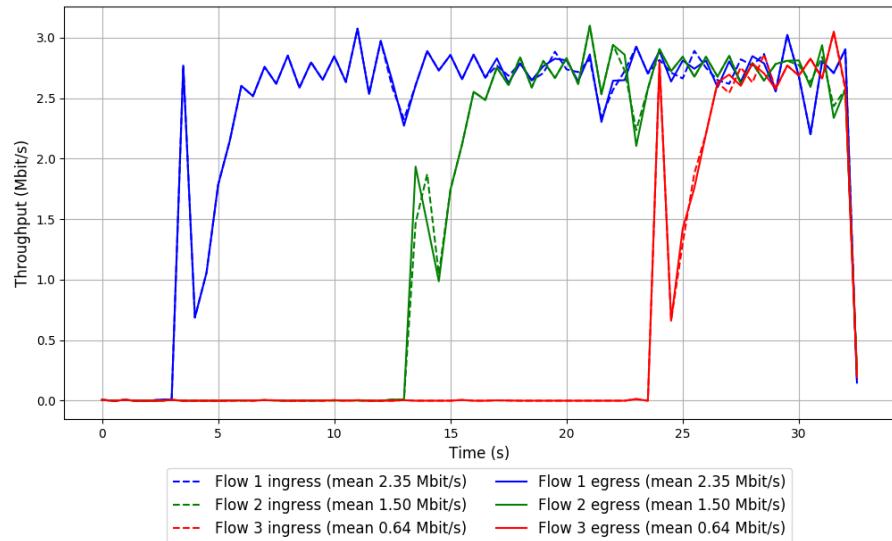


Run 7: Statistics of WebRTC media

```
Start at: 2018-02-02 04:49:28
End at: 2018-02-02 04:49:58
Local clock offset: -0.922 ms
Remote clock offset: -20.615 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: -0.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -1.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -0.810 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 0.401 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

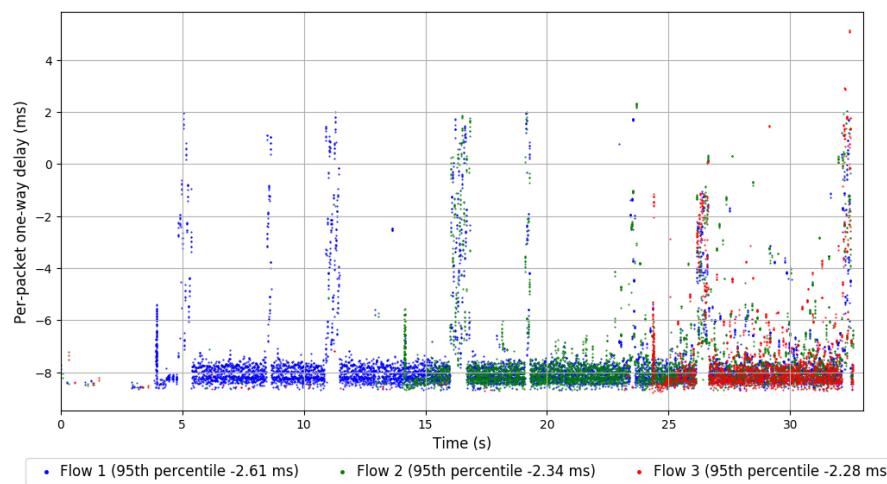
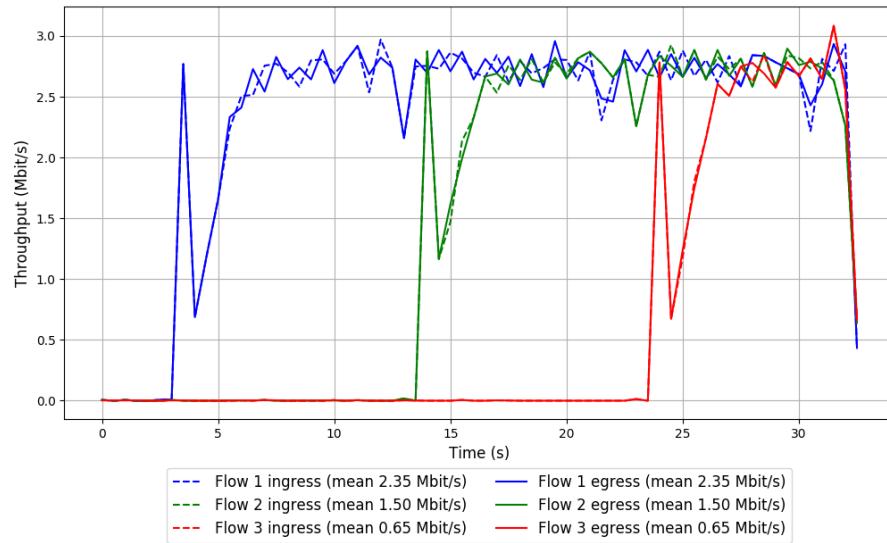


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-02 05:13:10
End at: 2018-02-02 05:13:40
Local clock offset: 1.732 ms
Remote clock offset: -17.923 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: -2.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -2.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -2.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: -2.277 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

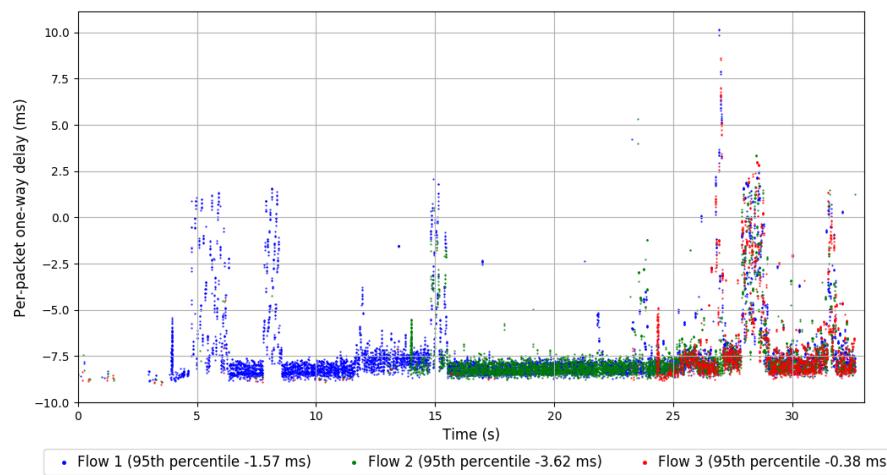
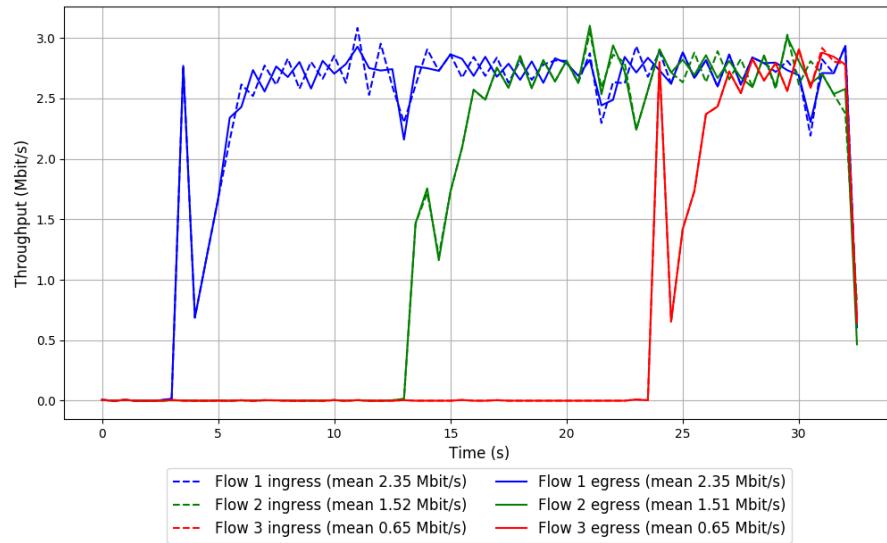


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-02 05:36:12
End at: 2018-02-02 05:36:42
Local clock offset: 5.275 ms
Remote clock offset: -18.213 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: -1.790 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -1.572 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -3.619 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: -0.383 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

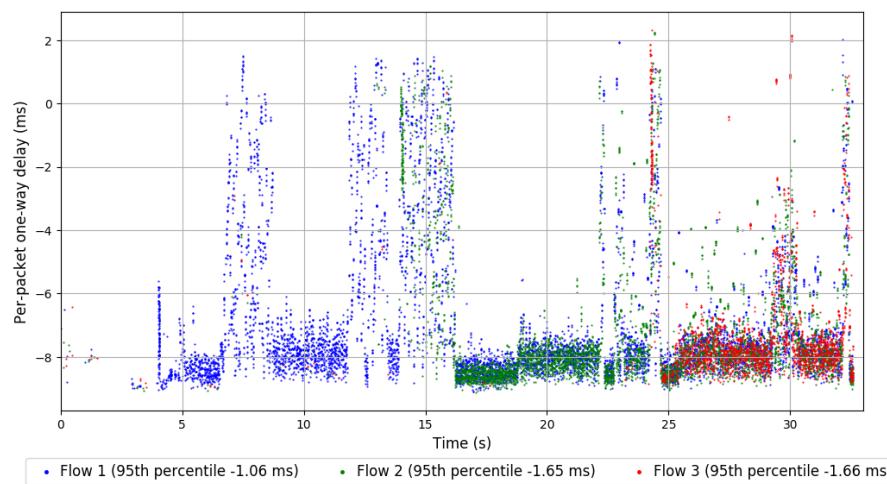
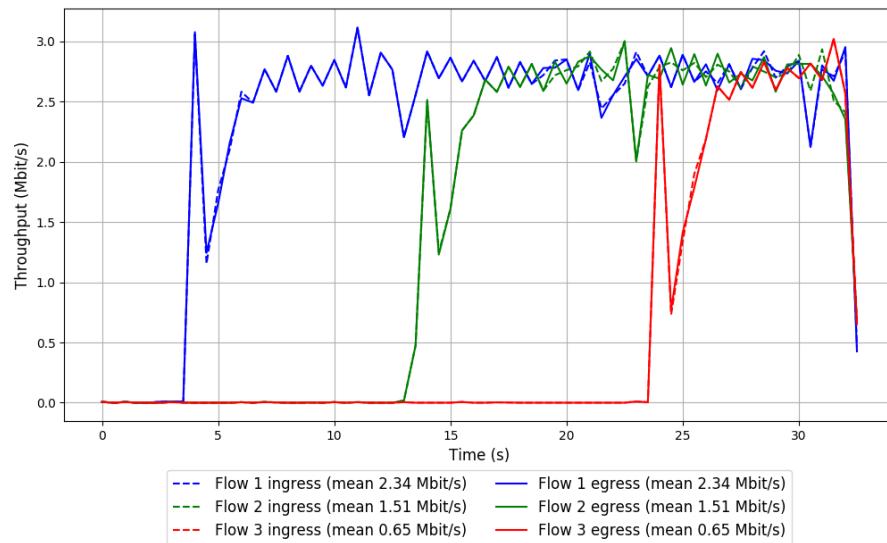


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-02-02 05:59:34
End at: 2018-02-02 06:00:04
Local clock offset: 5.196 ms
Remote clock offset: -20.894 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: -1.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -1.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -1.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: -1.664 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

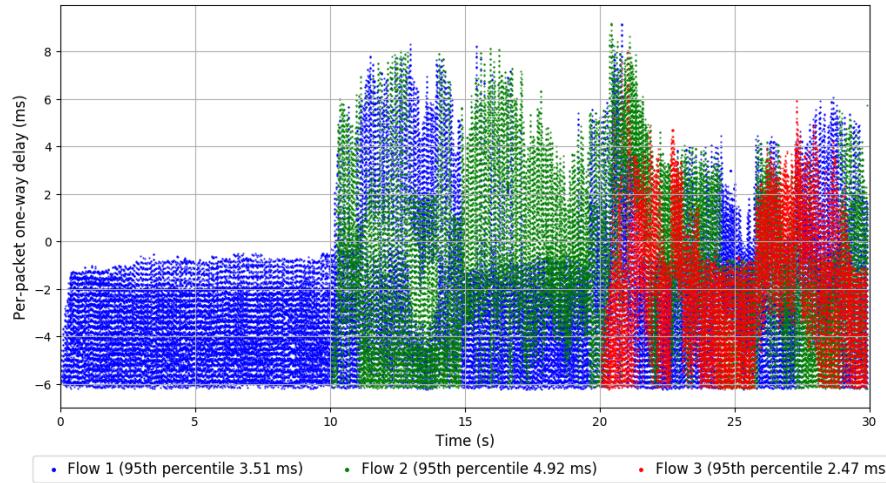
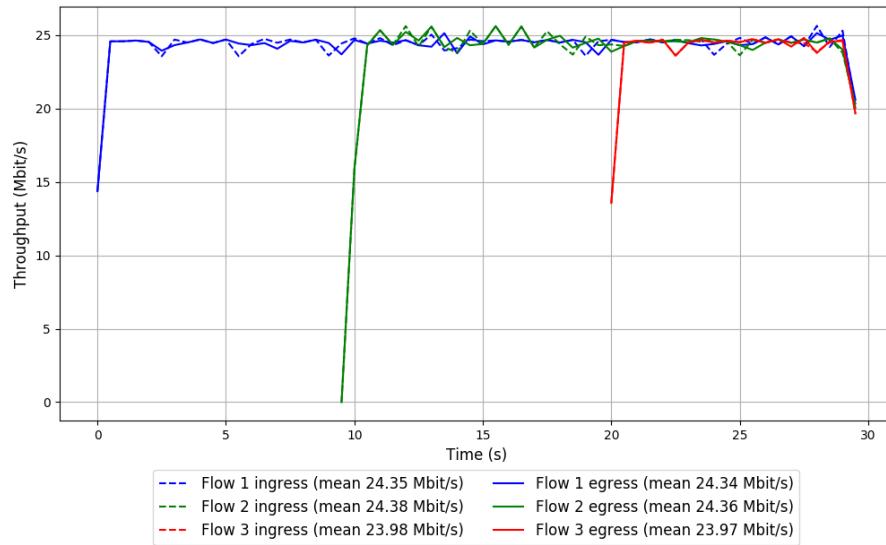


Run 1: Statistics of Sprout

```
Start at: 2018-02-02 02:22:19
End at: 2018-02-02 02:22:49
Local clock offset: 4.291 ms
Remote clock offset: -19.14 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 3.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 3.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 4.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 2.470 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

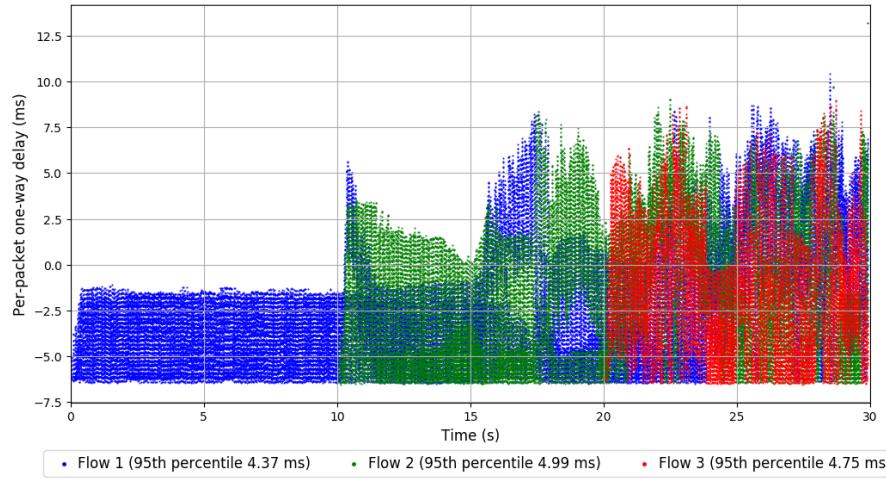
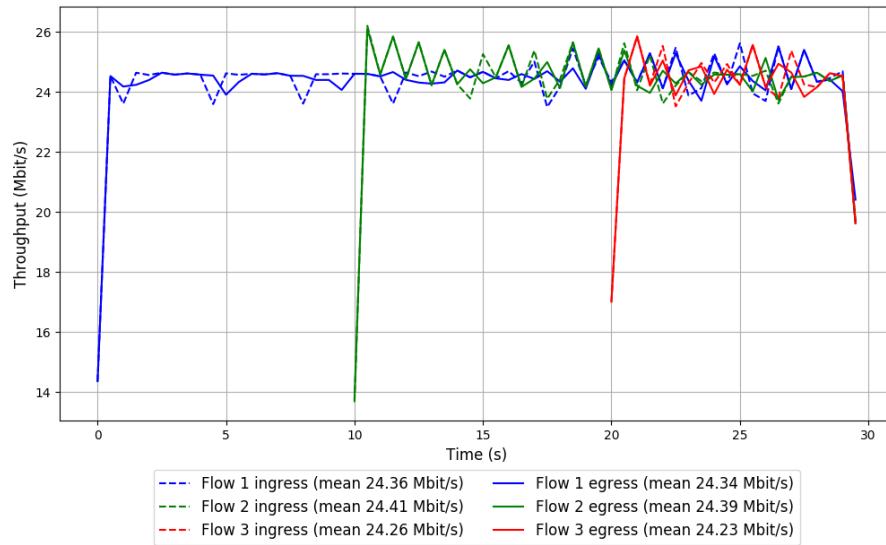


Run 2: Statistics of Sprout

```
Start at: 2018-02-02 02:44:45
End at: 2018-02-02 02:45:15
Local clock offset: 2.627 ms
Remote clock offset: -21.686 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.57 Mbit/s
95th percentile per-packet one-way delay: 4.685 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 4.365 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 4.987 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 4.754 ms
Loss rate: 0.09%
```

Run 2: Report of Sprout — Data Link

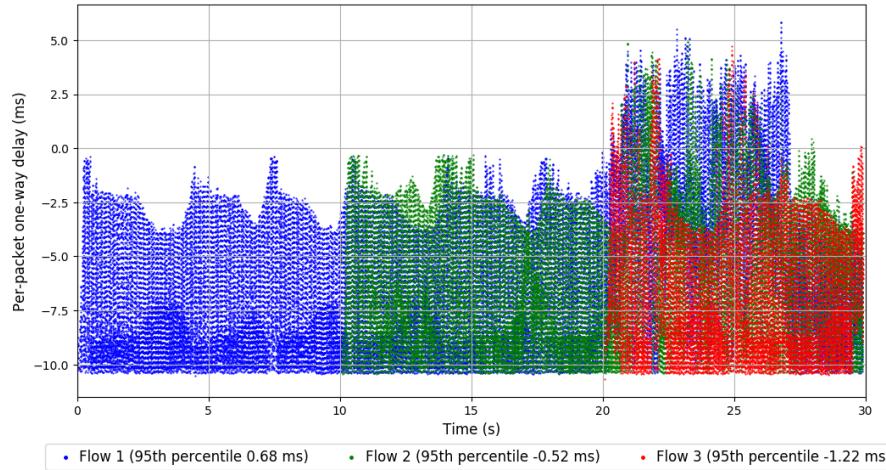
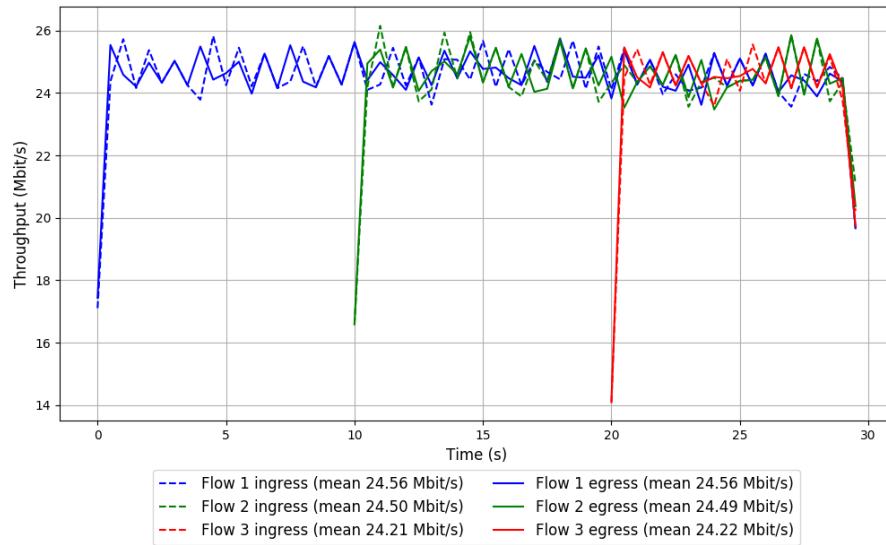


Run 3: Statistics of Sprout

```
Start at: 2018-02-02 03:07:31
End at: 2018-02-02 03:08:01
Local clock offset: 7.364 ms
Remote clock offset: -20.97 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 0.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 0.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: -0.524 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: -1.222 ms
Loss rate: 0.01%
```

Run 3: Report of Sprout — Data Link

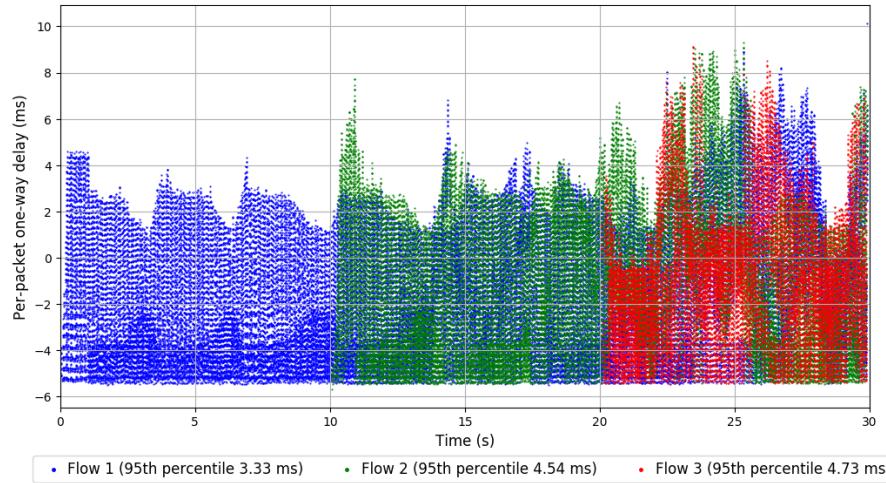
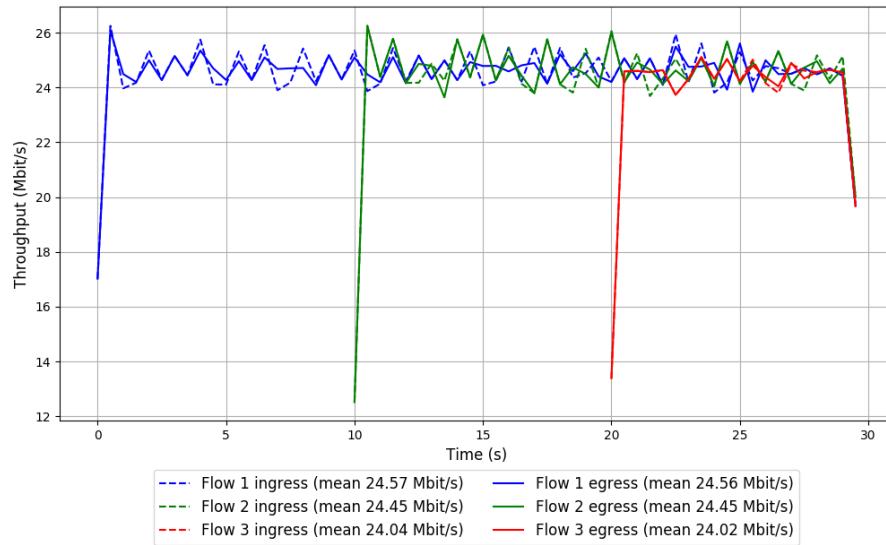


Run 4: Statistics of Sprout

```
Start at: 2018-02-02 03:30:20
End at: 2018-02-02 03:30:50
Local clock offset: 4.803 ms
Remote clock offset: -21.89 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 4.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 3.326 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 4.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 4.731 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

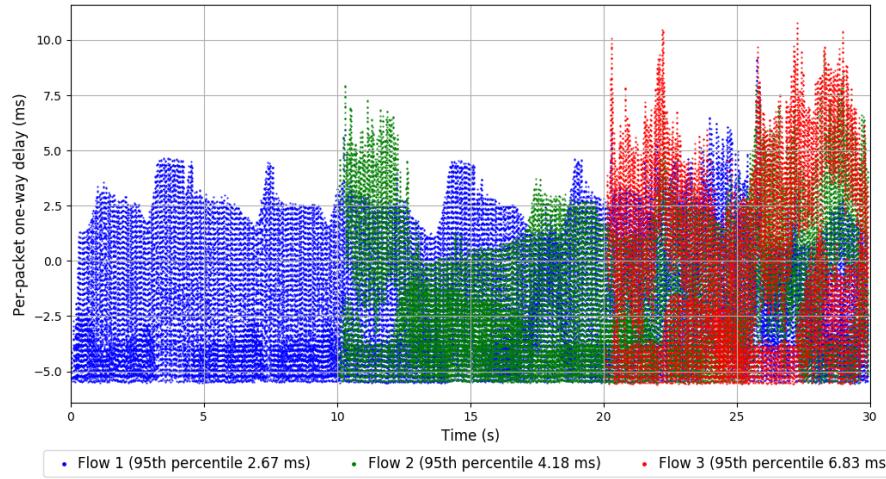
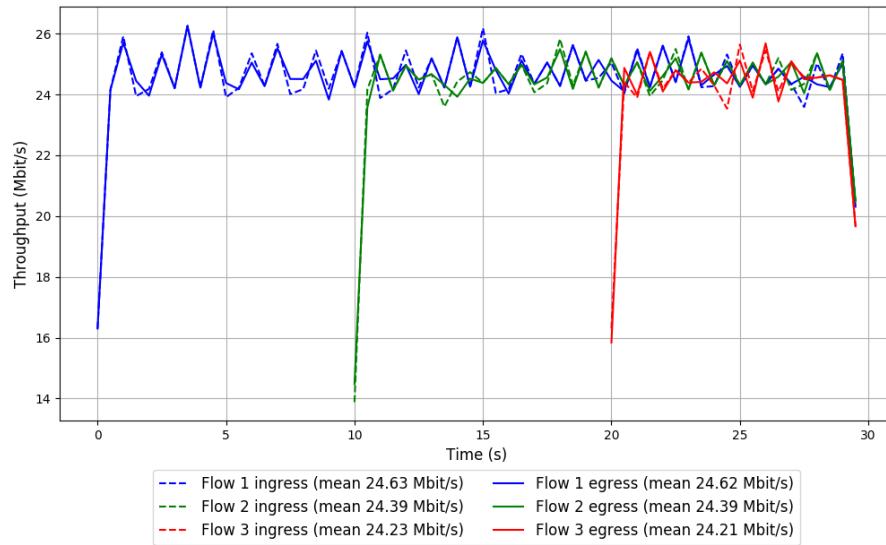


Run 5: Statistics of Sprout

```
Start at: 2018-02-02 03:53:02
End at: 2018-02-02 03:53:32
Local clock offset: 2.222 ms
Remote clock offset: -23.238 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 4.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 2.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 4.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 6.825 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

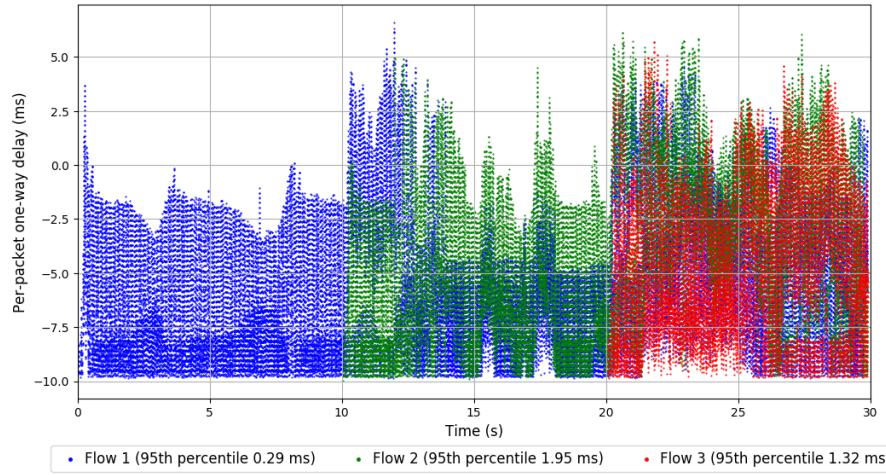
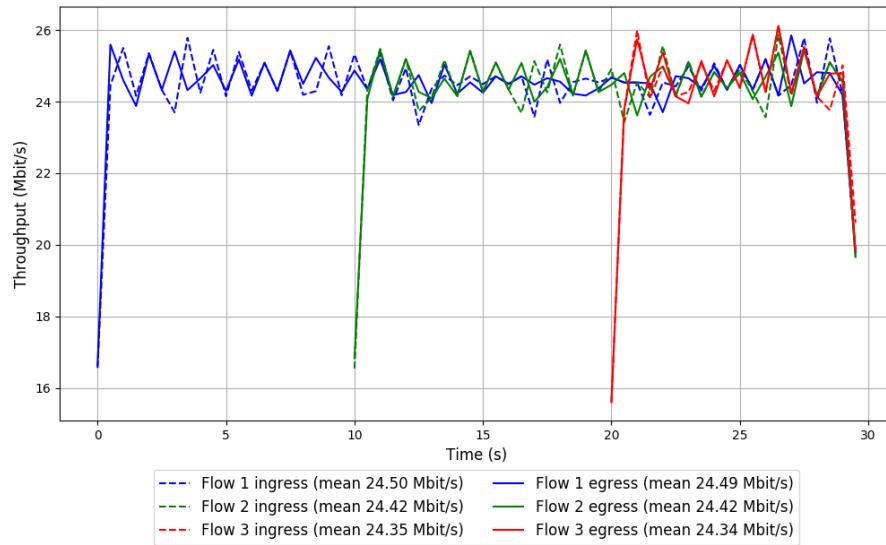


Run 6: Statistics of Sprout

```
Start at: 2018-02-02 04:16:00
End at: 2018-02-02 04:16:30
Local clock offset: 4.035 ms
Remote clock offset: -26.09 ms

# Below is generated by plot.py at 2018-02-02 06:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 0.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 1.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 1.325 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

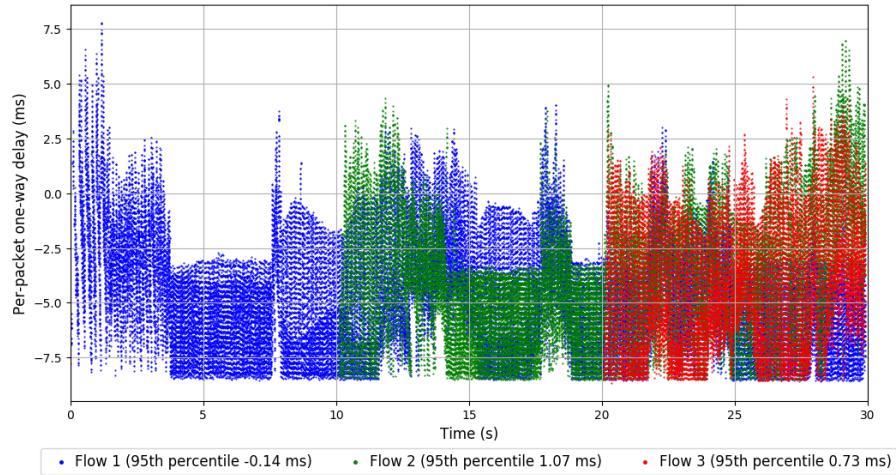
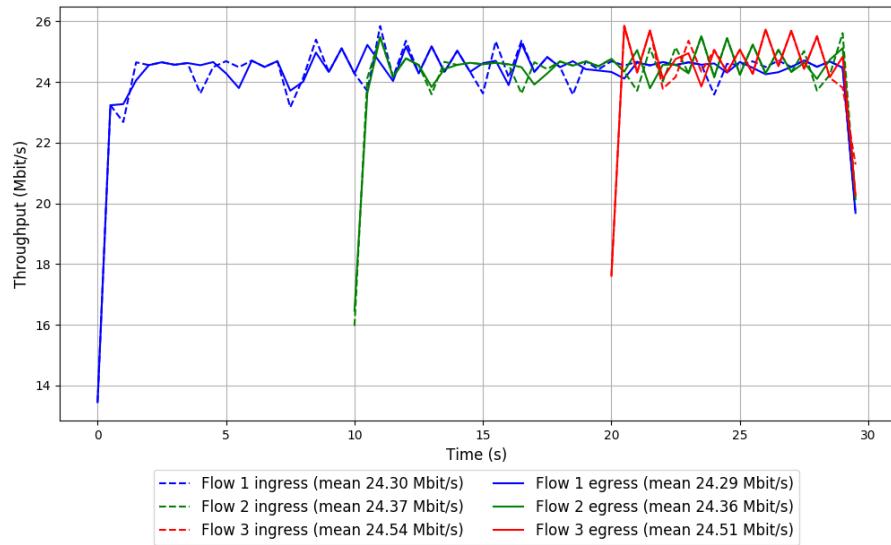


Run 7: Statistics of Sprout

```
Start at: 2018-02-02 04:39:05
End at: 2018-02-02 04:39:35
Local clock offset: 2.278 ms
Remote clock offset: -22.721 ms

# Below is generated by plot.py at 2018-02-02 06:46:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 0.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: -0.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 0.728 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

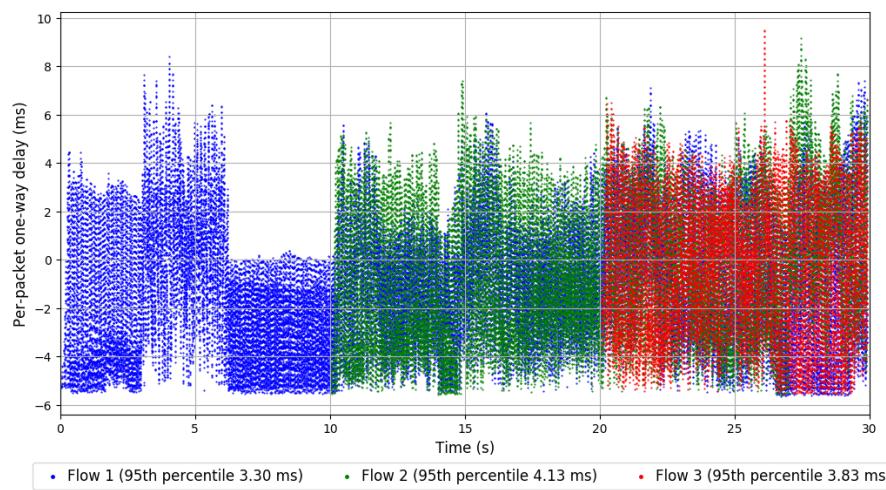
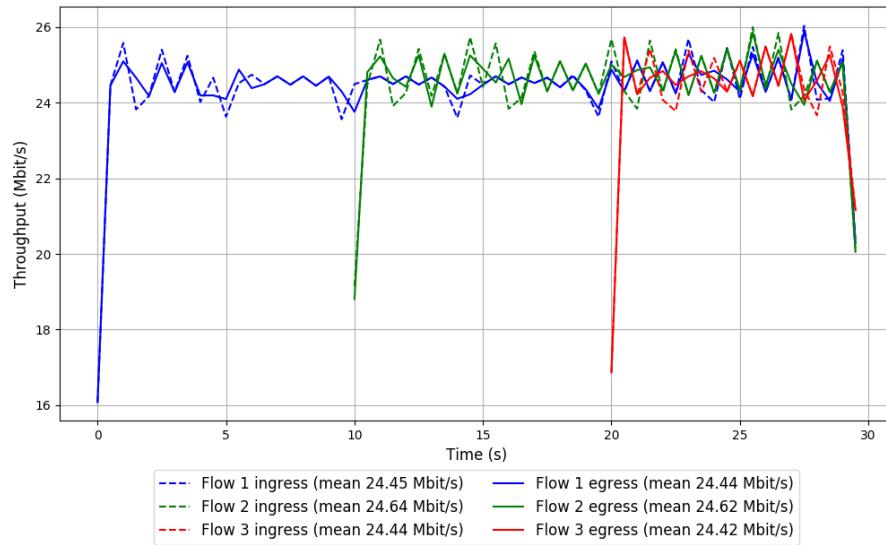


Run 8: Statistics of Sprout

```
Start at: 2018-02-02 05:02:55
End at: 2018-02-02 05:03:25
Local clock offset: -1.618 ms
Remote clock offset: -19.785 ms

# Below is generated by plot.py at 2018-02-02 06:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 3.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 3.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 4.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 3.829 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

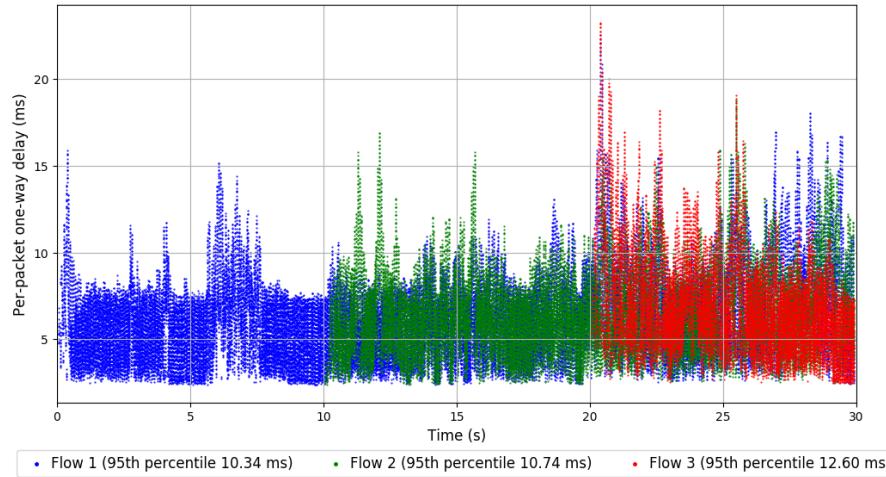
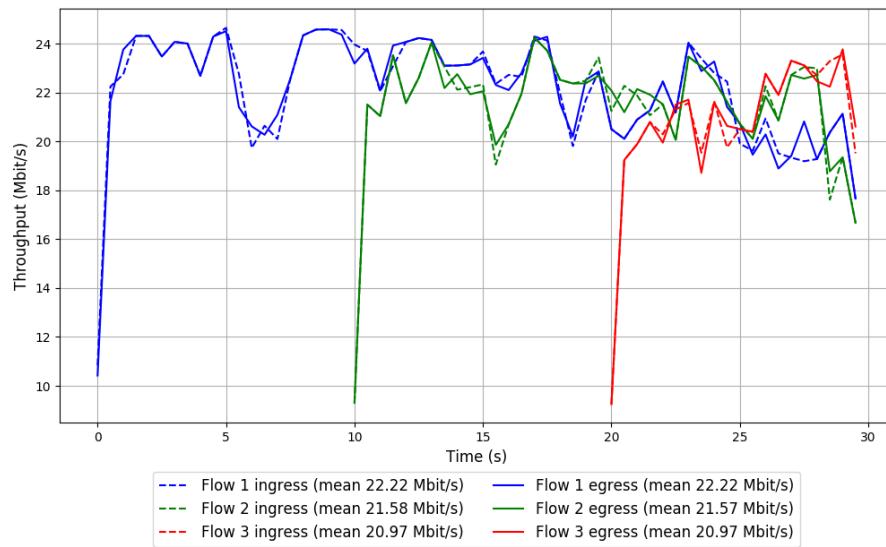


Run 9: Statistics of Sprout

```
Start at: 2018-02-02 05:26:26
End at: 2018-02-02 05:26:56
Local clock offset: 4.829 ms
Remote clock offset: -16.135 ms

# Below is generated by plot.py at 2018-02-02 06:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 10.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 10.339 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 10.737 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 12.597 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

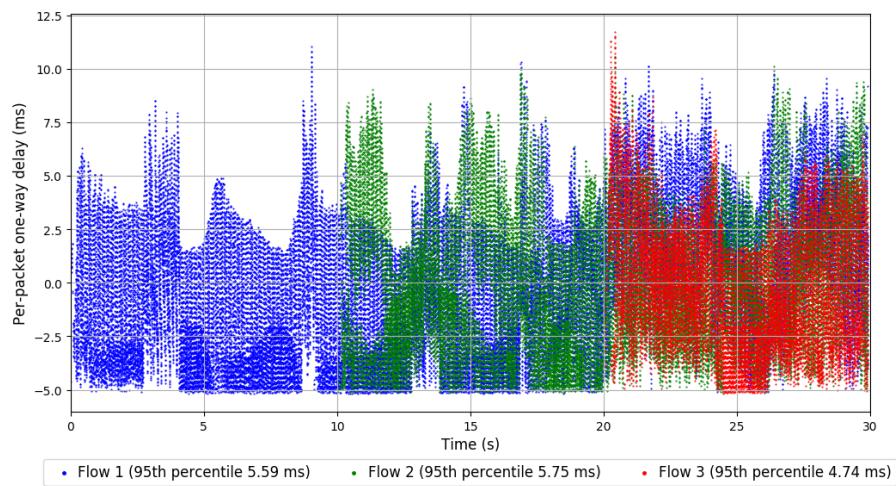
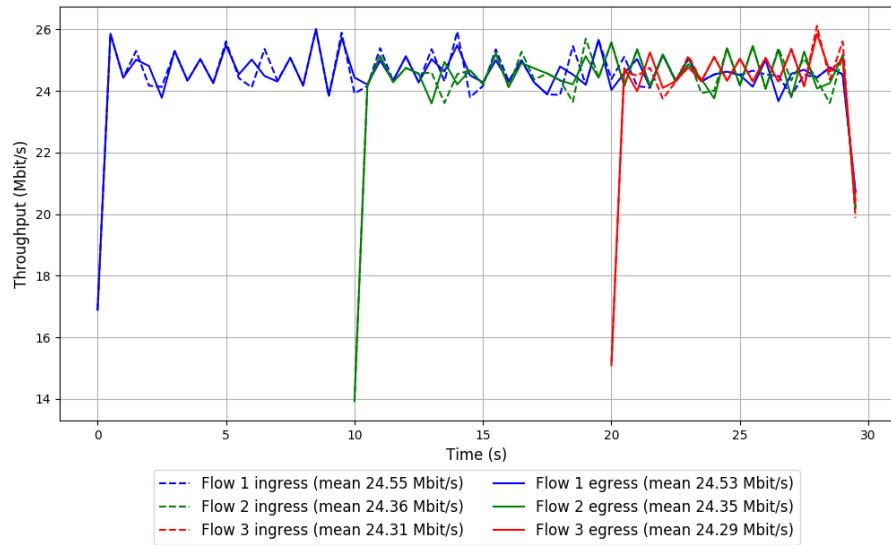


Run 10: Statistics of Sprout

```
Start at: 2018-02-02 05:49:29
End at: 2018-02-02 05:49:59
Local clock offset: 4.98 ms
Remote clock offset: -19.223 ms

# Below is generated by plot.py at 2018-02-02 06:46:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 5.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 5.592 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 5.753 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 4.735 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

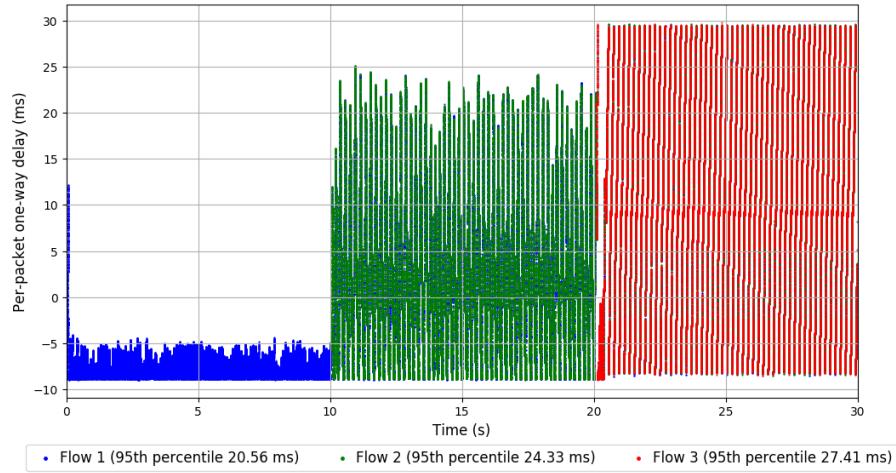
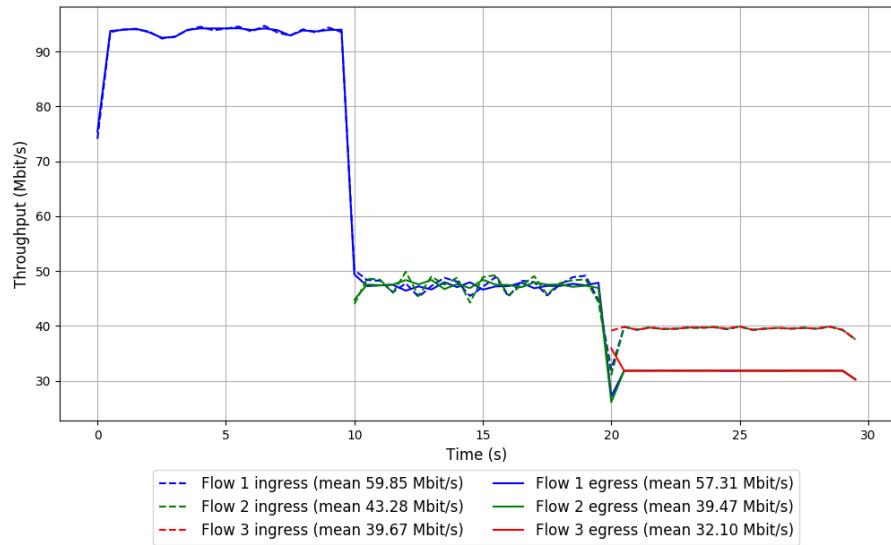


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-02 02:28:13
End at: 2018-02-02 02:28:43
Local clock offset: 6.177 ms
Remote clock offset: -19.9 ms

# Below is generated by plot.py at 2018-02-02 06:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 23.433 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 20.563 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 24.329 ms
Loss rate: 8.73%
-- Flow 3:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 27.410 ms
Loss rate: 18.99%
```

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

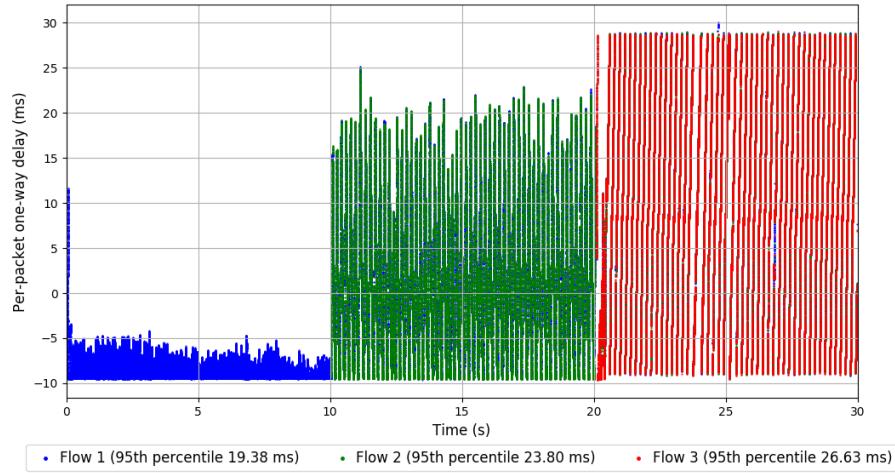
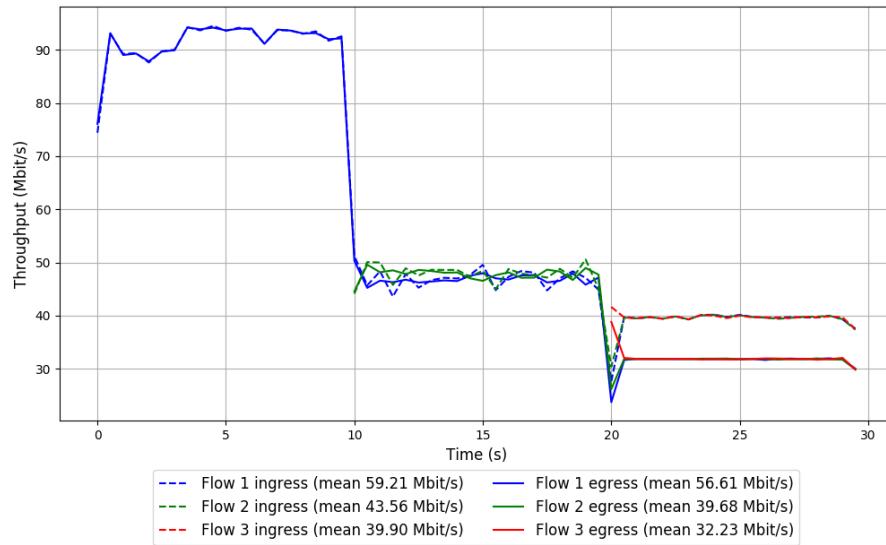


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-02 02:50:40
End at: 2018-02-02 02:51:10
Local clock offset: 7.425 ms
Remote clock offset: -19.71 ms

# Below is generated by plot.py at 2018-02-02 06:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 22.891 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 19.382 ms
Loss rate: 4.34%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 23.801 ms
Loss rate: 8.84%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 26.628 ms
Loss rate: 19.10%
```

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

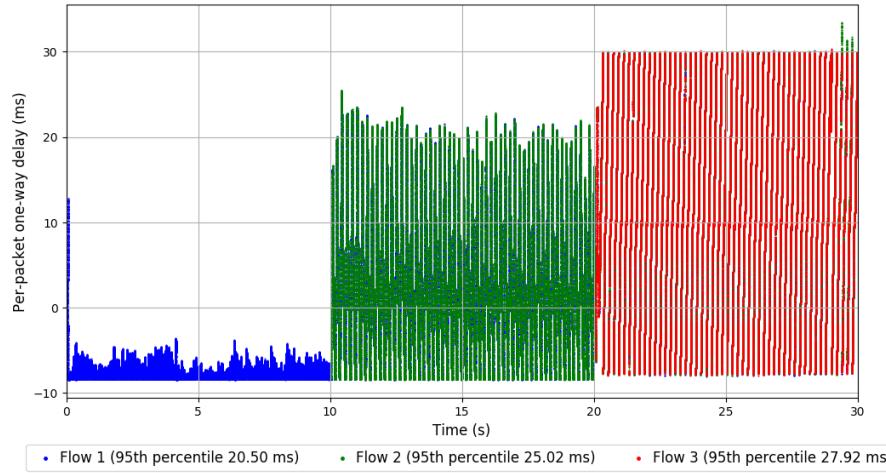
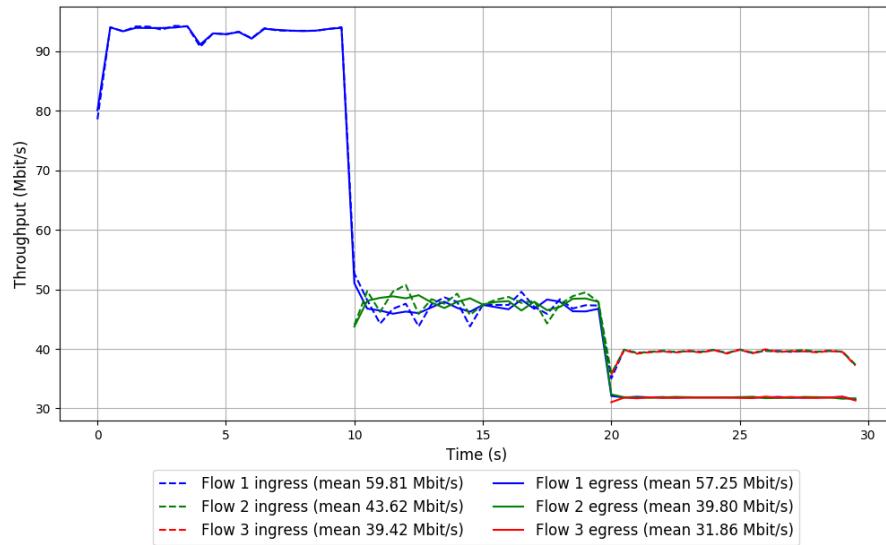


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-02 03:13:39
End at: 2018-02-02 03:14:09
Local clock offset: 6.592 ms
Remote clock offset: -19.826 ms

# Below is generated by plot.py at 2018-02-02 06:48:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 24.045 ms
Loss rate: 7.36%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 20.498 ms
Loss rate: 4.18%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 25.015 ms
Loss rate: 8.62%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 27.918 ms
Loss rate: 19.06%
```

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

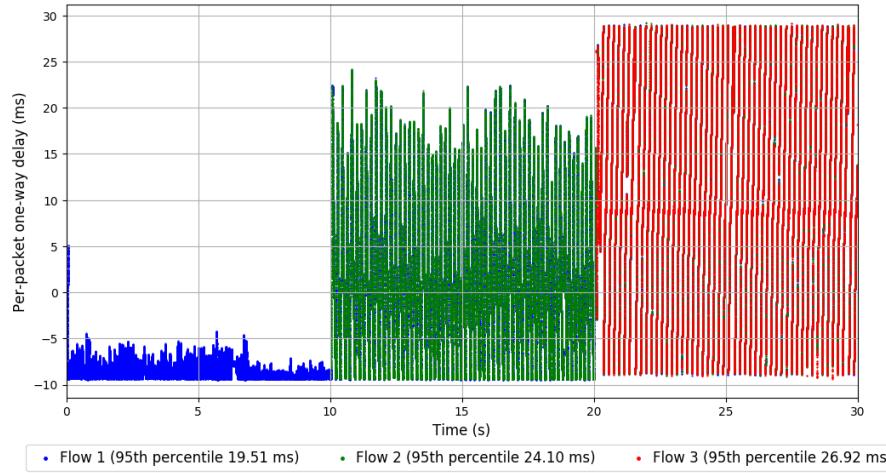
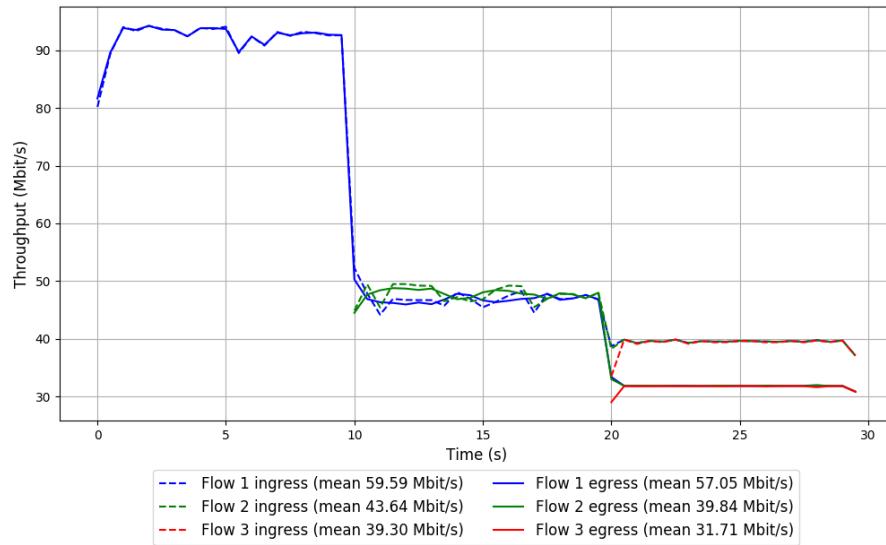


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-02 03:36:22
End at: 2018-02-02 03:36:52
Local clock offset: 7.341 ms
Remote clock offset: -23.279 ms

# Below is generated by plot.py at 2018-02-02 06:48:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 23.210 ms
Loss rate: 7.37%
-- Flow 1:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 19.511 ms
Loss rate: 4.19%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 24.102 ms
Loss rate: 8.60%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 26.917 ms
Loss rate: 19.15%
```

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

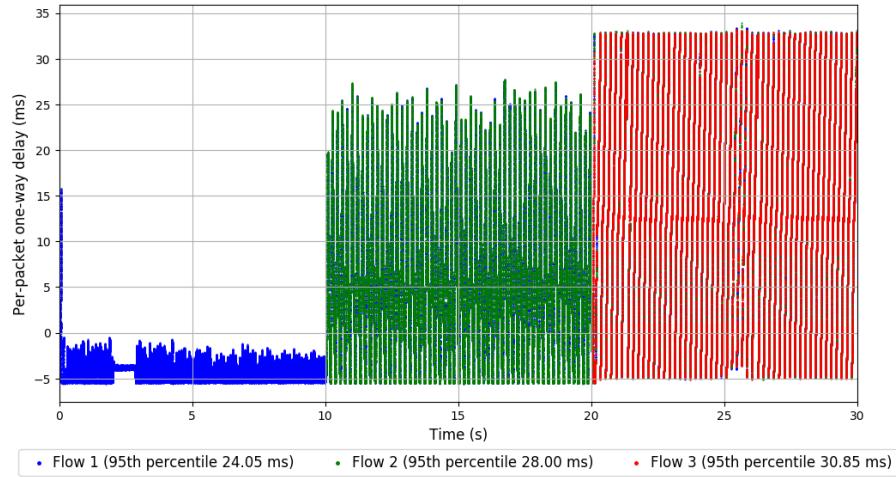
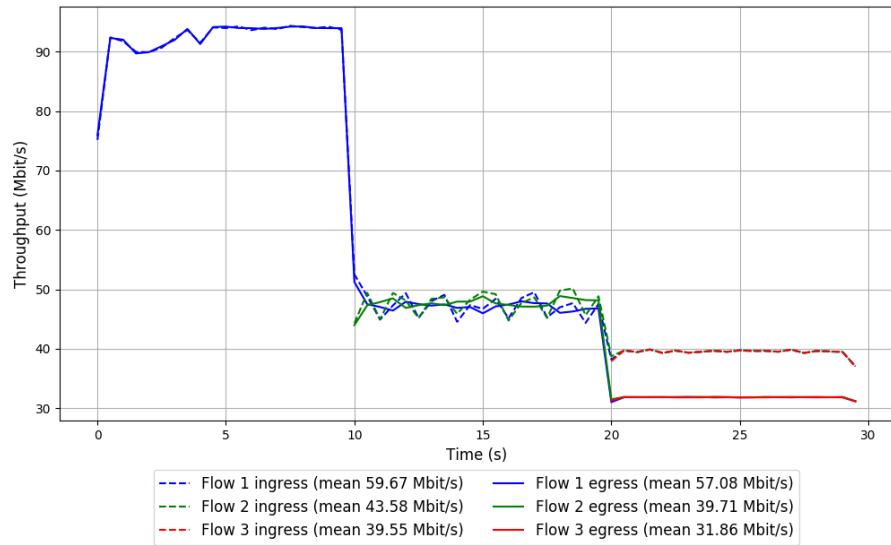


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-02 03:59:03
End at: 2018-02-02 03:59:33
Local clock offset: 1.0 ms
Remote clock offset: -24.379 ms

# Below is generated by plot.py at 2018-02-02 06:49:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 27.091 ms
Loss rate: 7.48%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 24.047 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 28.004 ms
Loss rate: 8.76%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 30.851 ms
Loss rate: 19.27%
```

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

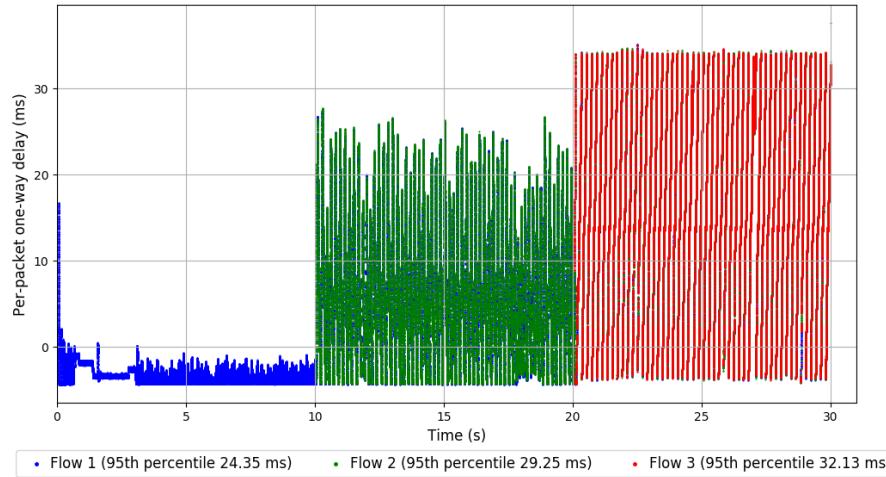
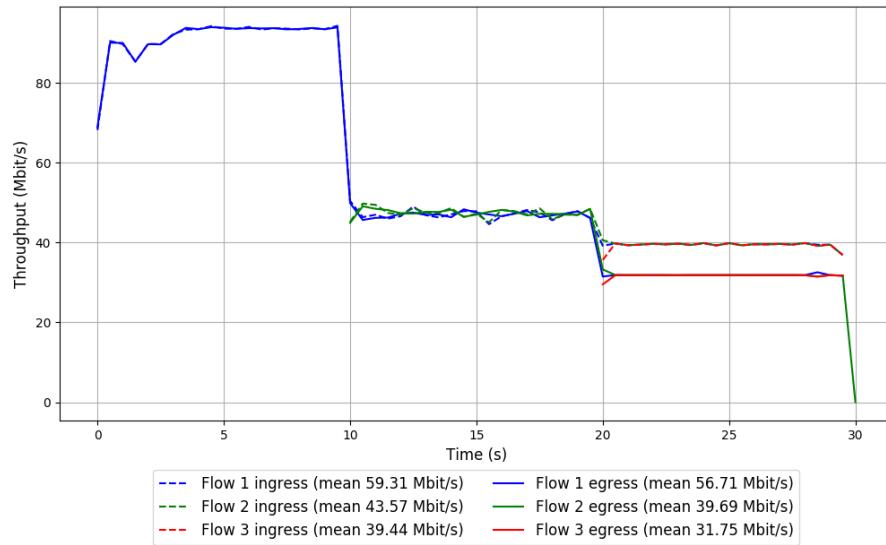


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-02 04:22:04
End at: 2018-02-02 04:22:34
Local clock offset: 0.751 ms
Remote clock offset: -24.042 ms

# Below is generated by plot.py at 2018-02-02 06:49:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 28.367 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 24.347 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 29.252 ms
Loss rate: 8.73%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 32.133 ms
Loss rate: 19.21%
```

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

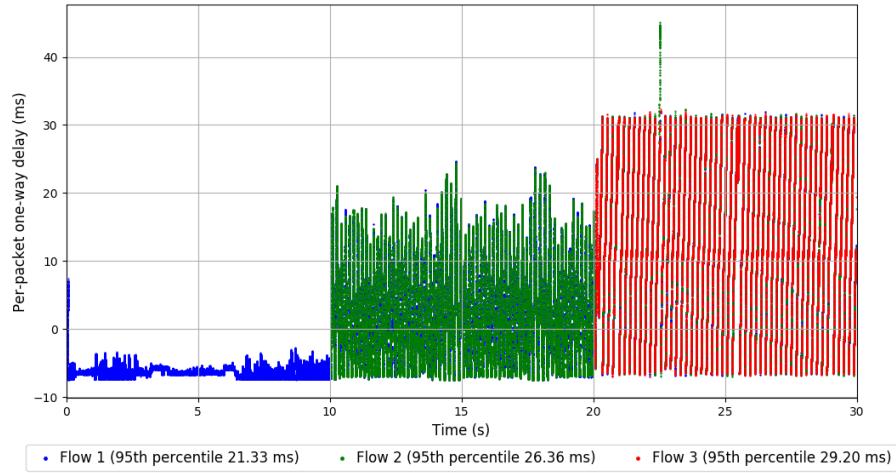
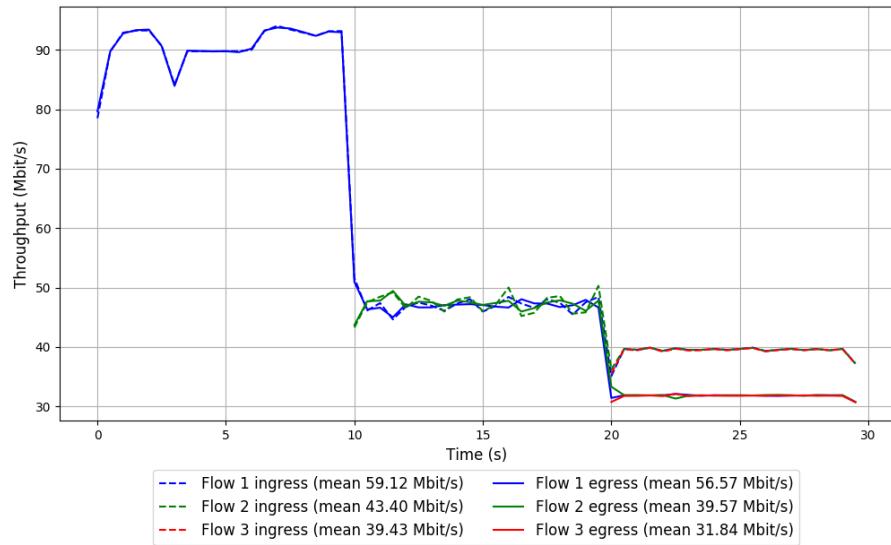


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-02 04:45:27
End at: 2018-02-02 04:45:57
Local clock offset: 0.113 ms
Remote clock offset: -22.493 ms

# Below is generated by plot.py at 2018-02-02 06:49:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 25.557 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 21.331 ms
Loss rate: 4.25%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 26.360 ms
Loss rate: 8.72%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 29.203 ms
Loss rate: 19.17%
```

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

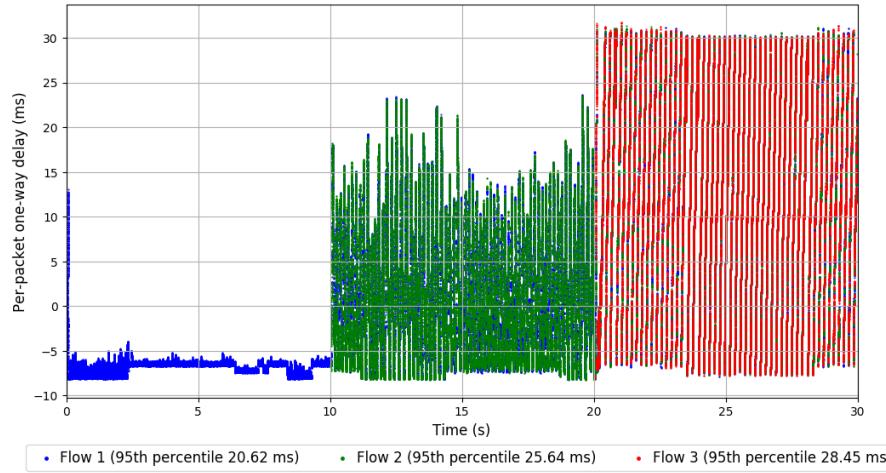
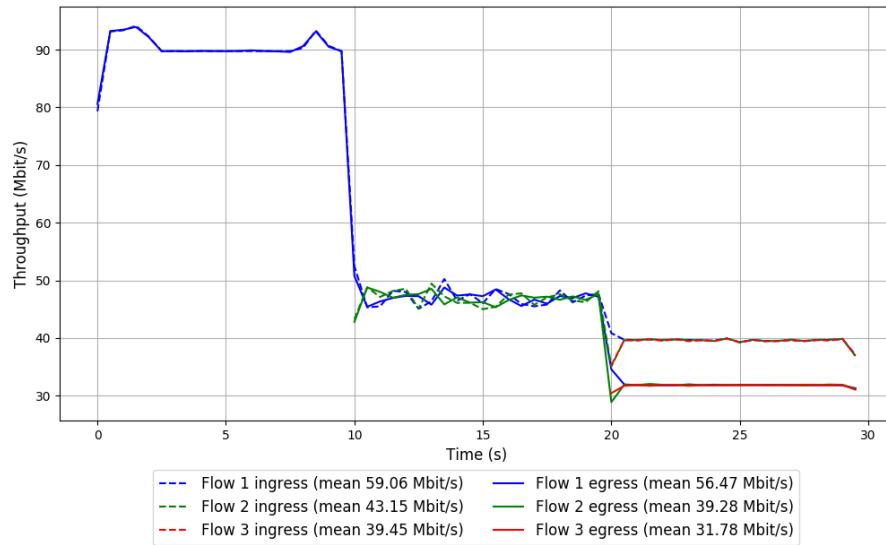


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-02 05:09:10
End at: 2018-02-02 05:09:40
Local clock offset: -3.193 ms
Remote clock offset: -23.067 ms

# Below is generated by plot.py at 2018-02-02 06:49:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 24.748 ms
Loss rate: 7.52%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 20.617 ms
Loss rate: 4.29%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 25.644 ms
Loss rate: 8.80%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 28.445 ms
Loss rate: 19.22%
```

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

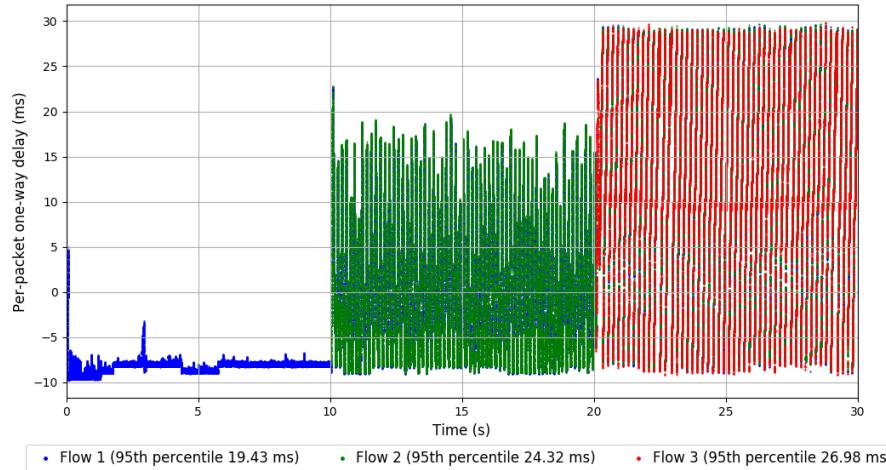
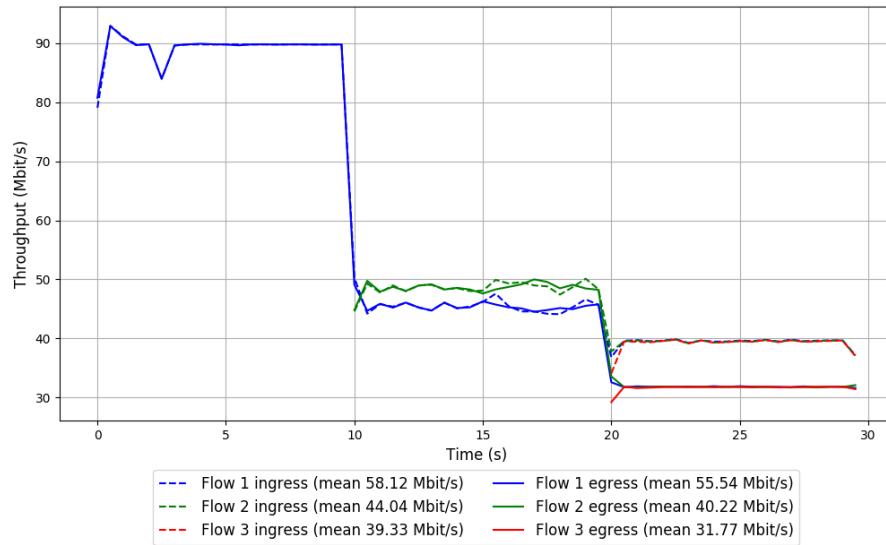


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-02 05:32:31
End at: 2018-02-02 05:33:01
Local clock offset: 6.373 ms
Remote clock offset: -18.294 ms

# Below is generated by plot.py at 2018-02-02 06:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 23.486 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 19.430 ms
Loss rate: 4.32%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 24.324 ms
Loss rate: 8.52%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 26.980 ms
Loss rate: 19.10%
```

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

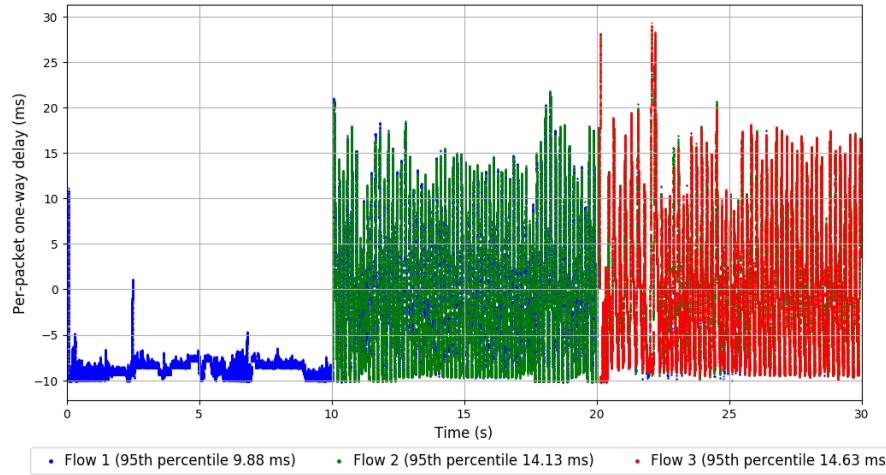
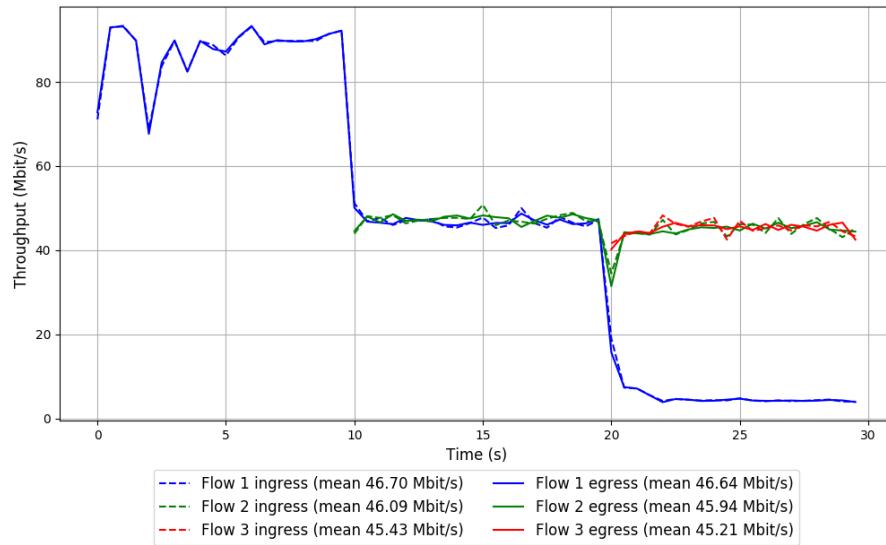


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-02 05:55:41
End at: 2018-02-02 05:56:11
Local clock offset: 6.203 ms
Remote clock offset: -21.777 ms

# Below is generated by plot.py at 2018-02-02 06:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: 12.790 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 9.882 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 14.127 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: 14.633 ms
Loss rate: 0.45%
```

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

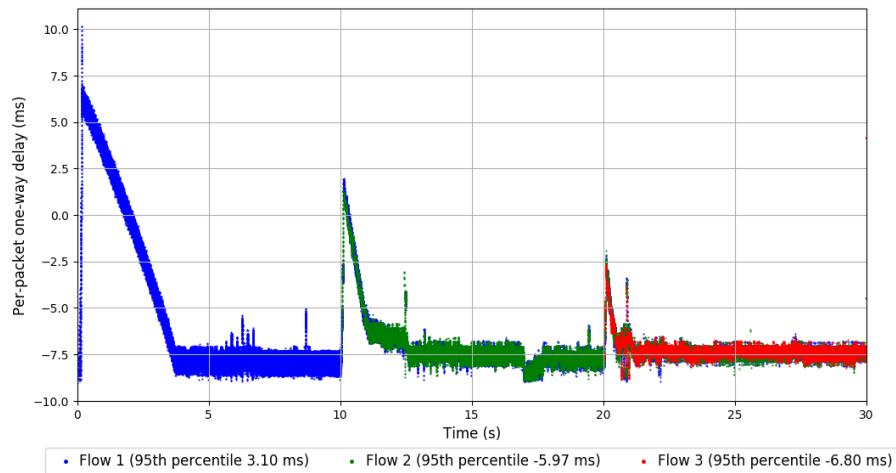
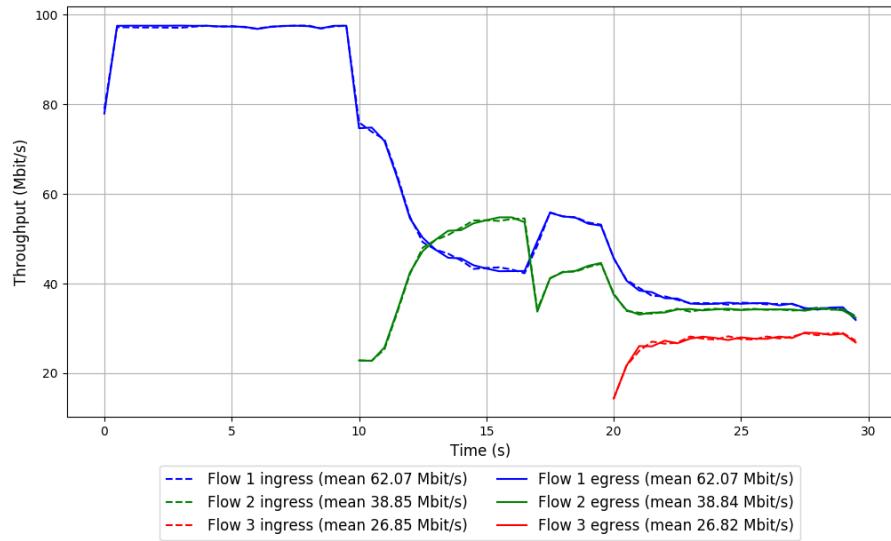


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-02 02:21:07
End at: 2018-02-02 02:21:37
Local clock offset: 5.061 ms
Remote clock offset: -21.102 ms

# Below is generated by plot.py at 2018-02-02 06:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: -5.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: -6.797 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

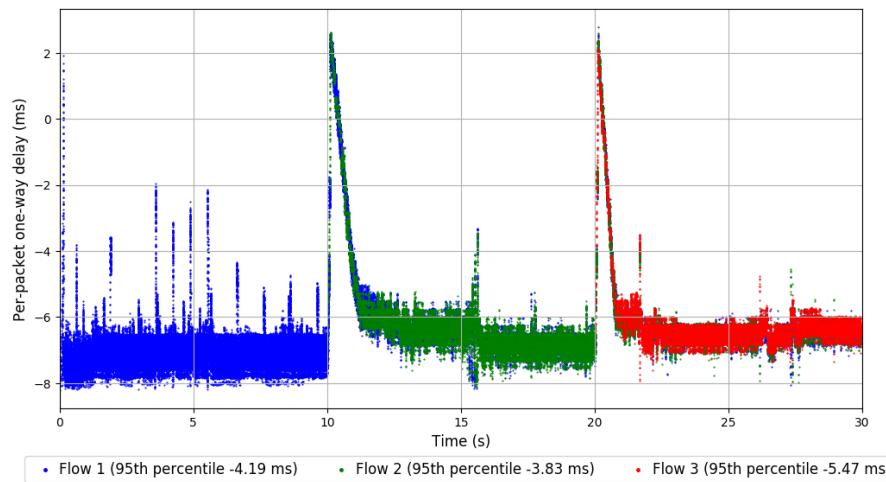
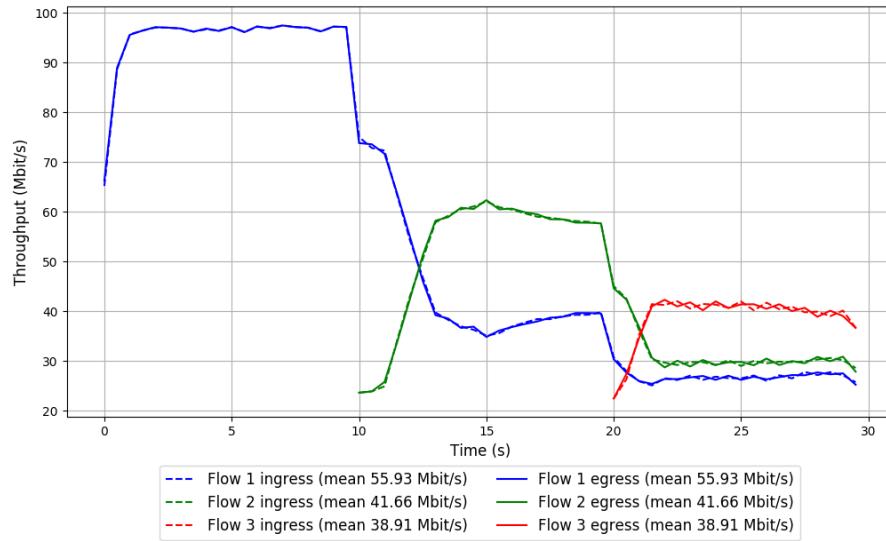


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-02 02:43:35
End at: 2018-02-02 02:44:05
Local clock offset: 5.519 ms
Remote clock offset: -20.37 ms

# Below is generated by plot.py at 2018-02-02 06:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: -4.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: -4.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.66 Mbit/s
95th percentile per-packet one-way delay: -3.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: -5.466 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

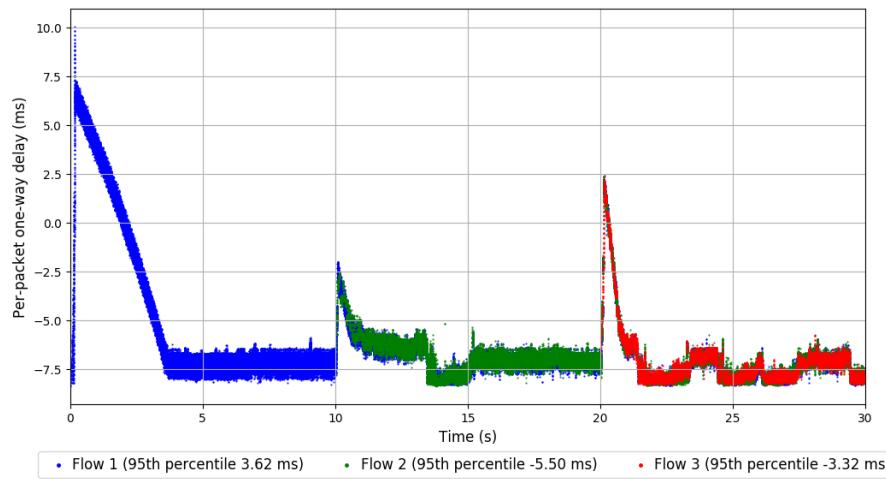
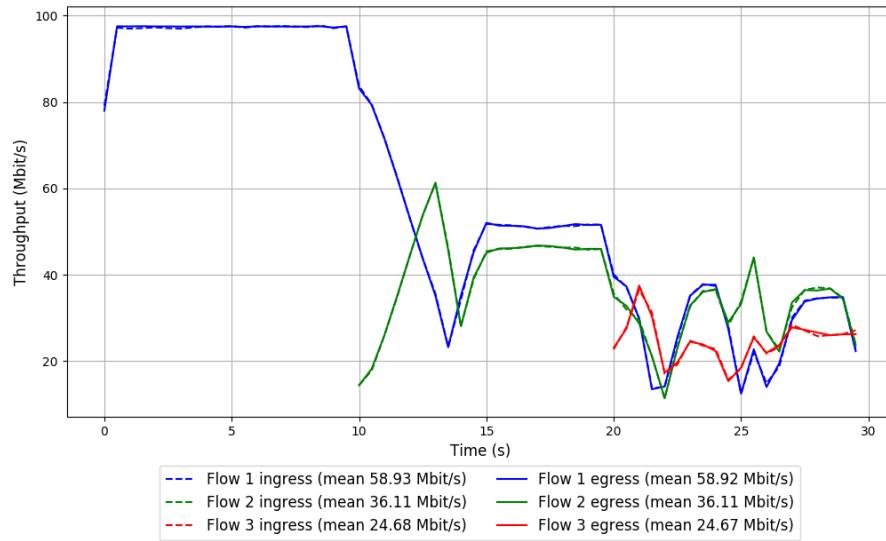


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-02 03:06:19
End at: 2018-02-02 03:06:49
Local clock offset: 6.774 ms
Remote clock offset: -19.385 ms

# Below is generated by plot.py at 2018-02-02 06:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 1.930 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 3.617 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: -5.498 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: -3.317 ms
Loss rate: 0.03%
```

Run 3: Report of TCP Vegas — Data Link

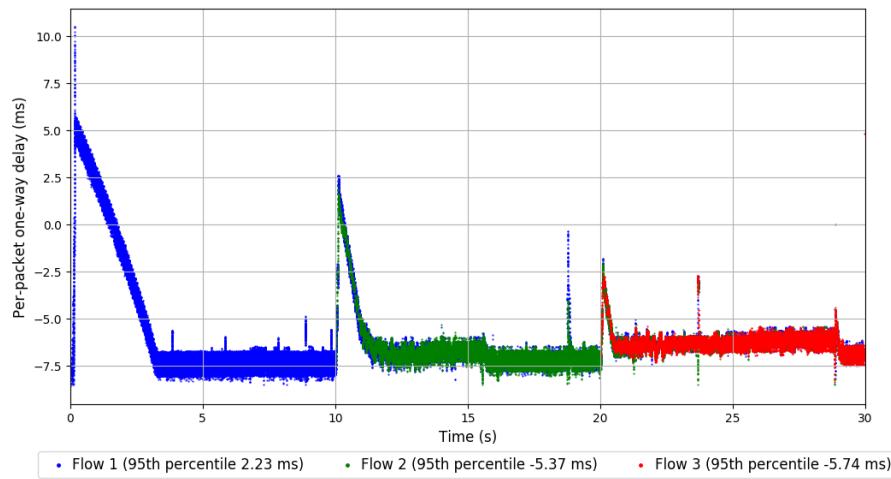
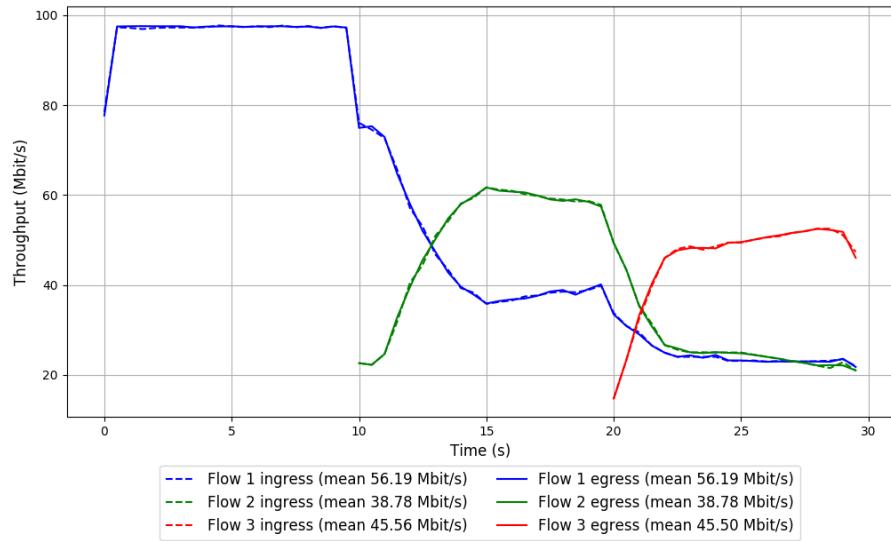


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-02 03:29:08
End at: 2018-02-02 03:29:38
Local clock offset: 7.23 ms
Remote clock offset: -22.348 ms

# Below is generated by plot.py at 2018-02-02 06:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 0.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 2.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: -5.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.50 Mbit/s
95th percentile per-packet one-way delay: -5.739 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

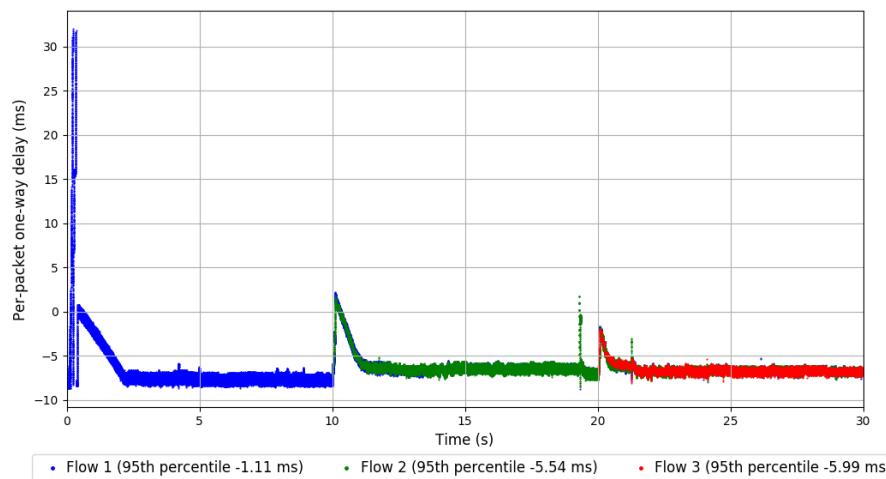
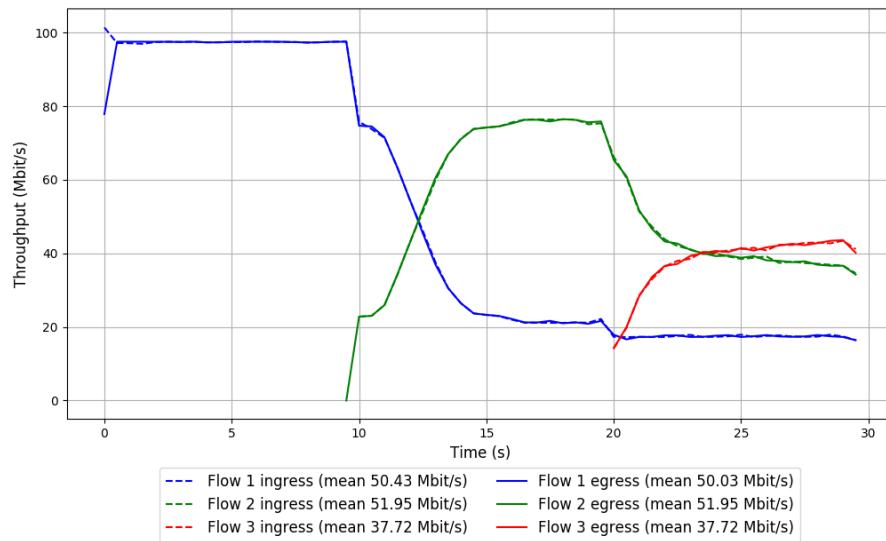


Run 5: Statistics of TCP Vegas

```
Start at: 2018-02-02 03:51:50
End at: 2018-02-02 03:52:20
Local clock offset: 4.341 ms
Remote clock offset: -24.331 ms

# Below is generated by plot.py at 2018-02-02 06:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: -2.698 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: -1.109 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: -5.535 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: -5.993 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

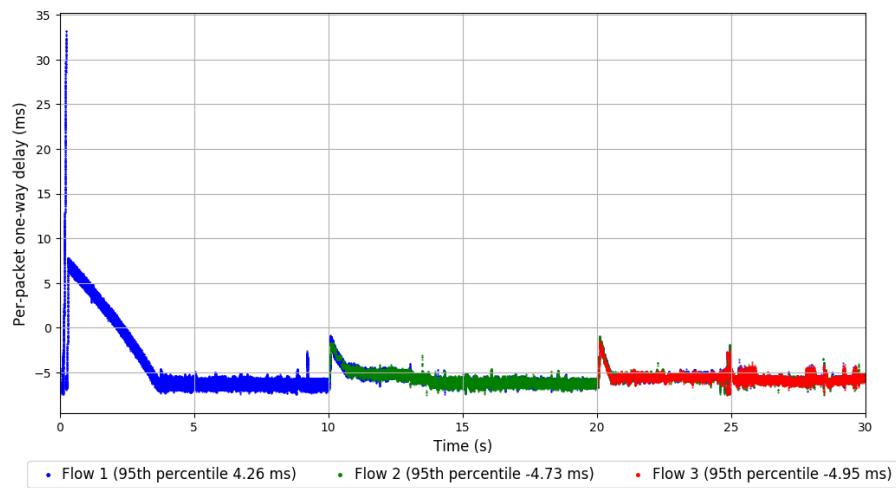
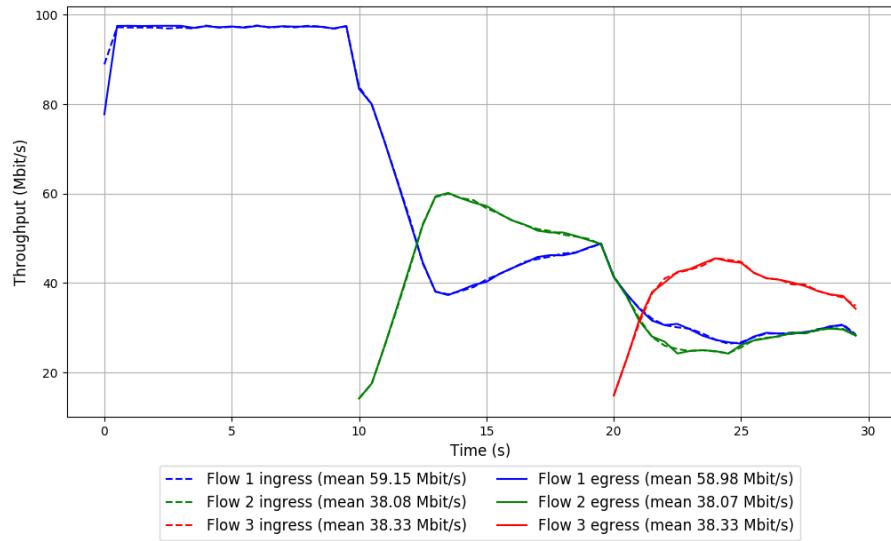


Run 6: Statistics of TCP Vegas

```
Start at: 2018-02-02 04:14:47
End at: 2018-02-02 04:15:17
Local clock offset: 1.294 ms
Remote clock offset: -26.449 ms

# Below is generated by plot.py at 2018-02-02 06:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 2.119 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 4.261 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: -4.732 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: -4.953 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

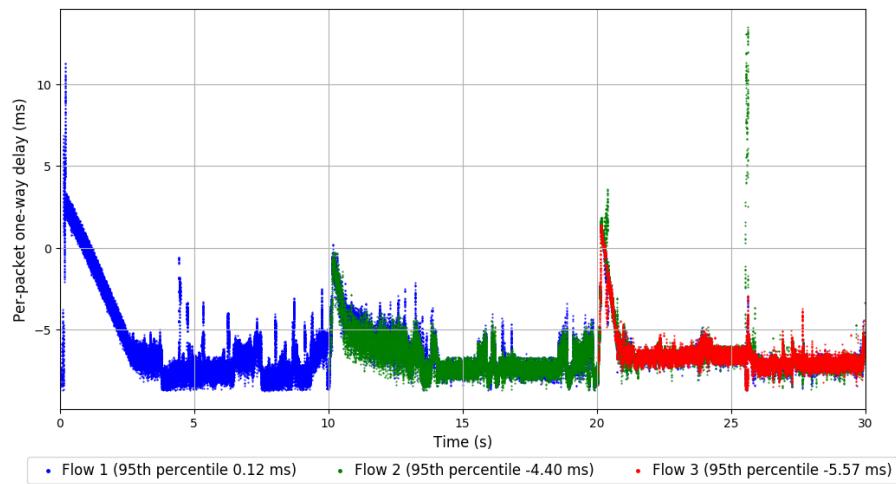
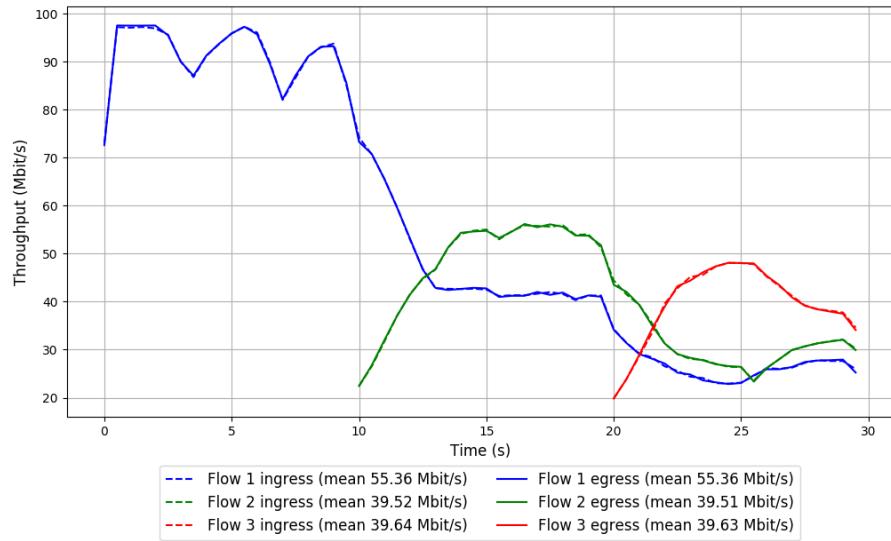


Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-02 04:37:48
End at: 2018-02-02 04:38:18
Local clock offset: 3.669 ms
Remote clock offset: -21.822 ms

# Below is generated by plot.py at 2018-02-02 06:51:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: -1.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 0.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: -4.402 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: -5.573 ms
Loss rate: 0.02%
```

Run 7: Report of TCP Vegas — Data Link

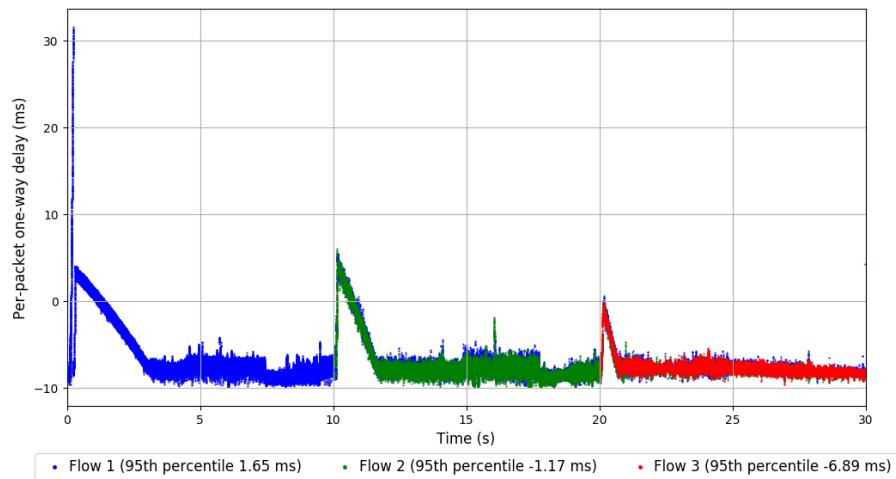
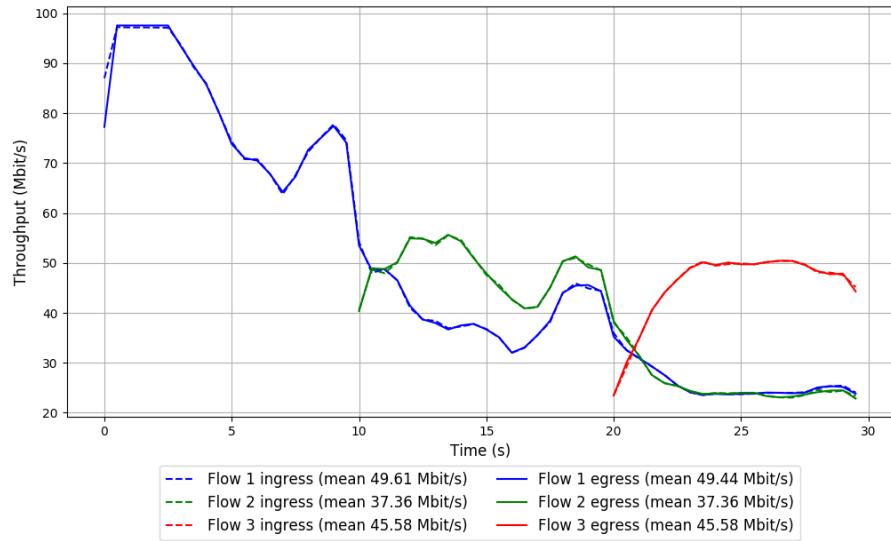


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-02 05:01:37
End at: 2018-02-02 05:02:07
Local clock offset: 2.127 ms
Remote clock offset: -20.708 ms

# Below is generated by plot.py at 2018-02-02 06:51:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 0.570 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 1.653 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 37.36 Mbit/s
95th percentile per-packet one-way delay: -1.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: -6.892 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

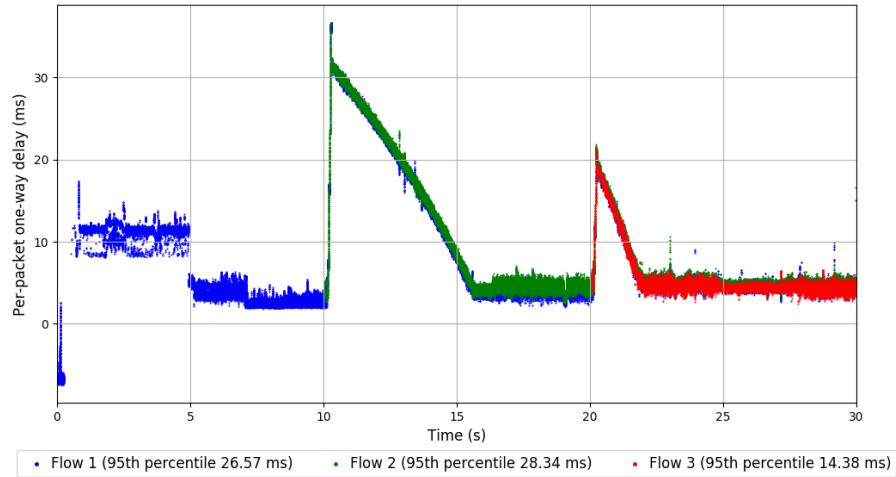
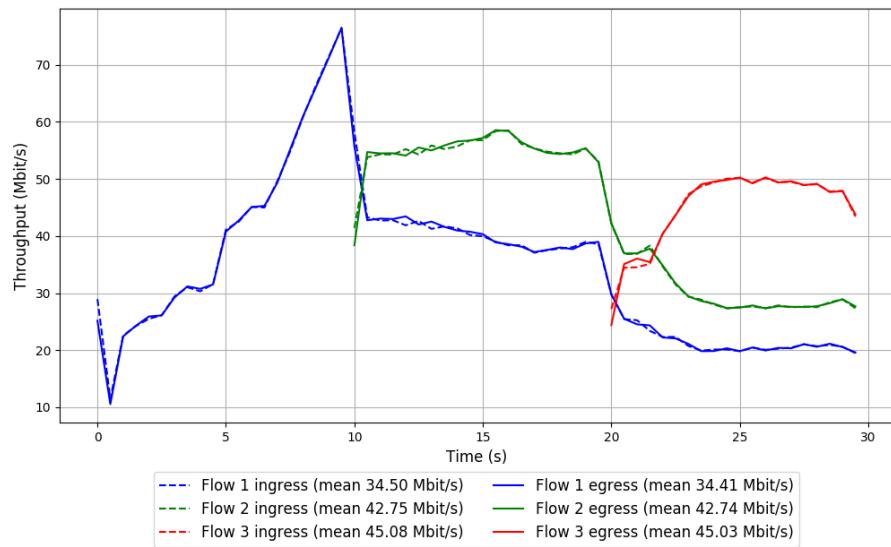


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-02 05:25:11
End at: 2018-02-02 05:25:41
Local clock offset: 2.99 ms
Remote clock offset: -17.673 ms

# Below is generated by plot.py at 2018-02-02 06:51:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 26.555 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 34.41 Mbit/s
95th percentile per-packet one-way delay: 26.575 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 28.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.03 Mbit/s
95th percentile per-packet one-way delay: 14.385 ms
Loss rate: 0.01%
```

Run 9: Report of TCP Vegas — Data Link

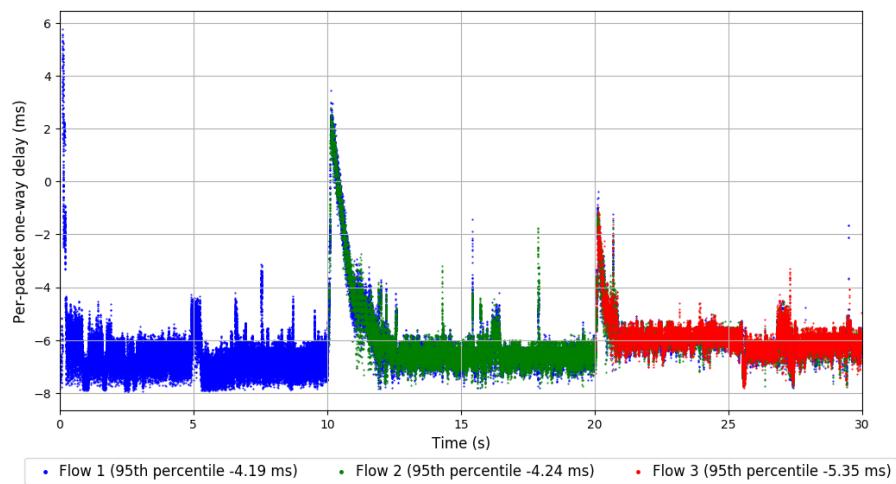
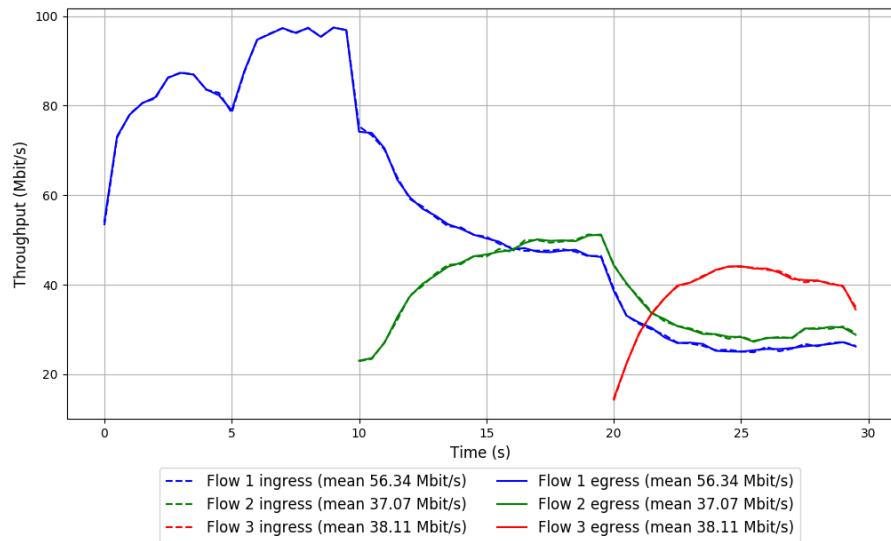


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-02 05:48:11
End at: 2018-02-02 05:48:41
Local clock offset: 7.252 ms
Remote clock offset: -19.493 ms

# Below is generated by plot.py at 2018-02-02 06:52:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: -4.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: -4.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: -4.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: -5.346 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

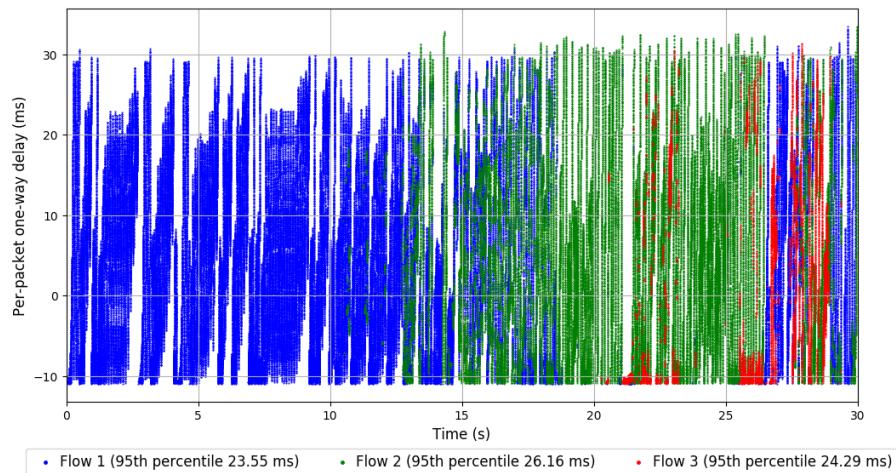
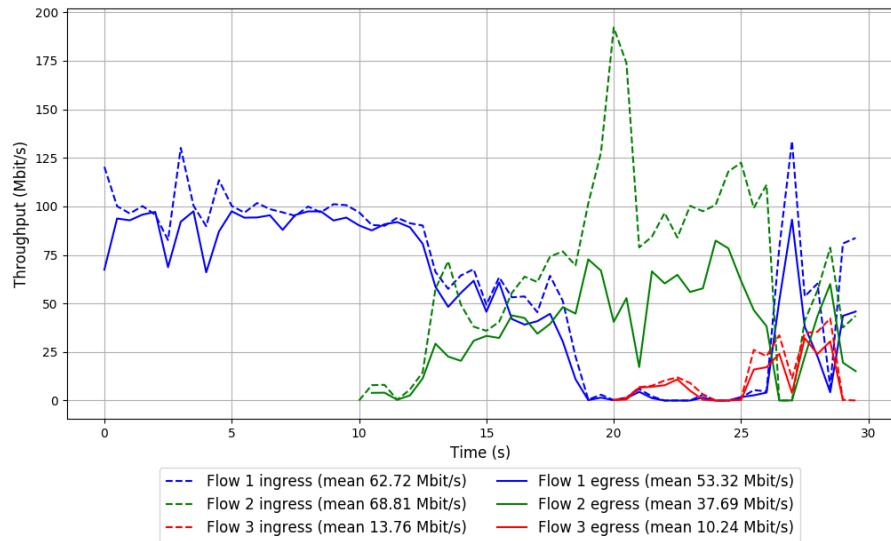


Run 1: Statistics of Verus

```
Start at: 2018-02-02 02:25:50
End at: 2018-02-02 02:26:20
Local clock offset: 5.446 ms
Remote clock offset: -22.651 ms

# Below is generated by plot.py at 2018-02-02 06:52:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 24.408 ms
Loss rate: 27.55%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 23.554 ms
Loss rate: 14.99%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 26.159 ms
Loss rate: 45.17%
-- Flow 3:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 24.289 ms
Loss rate: 27.59%
```

Run 1: Report of Verus — Data Link

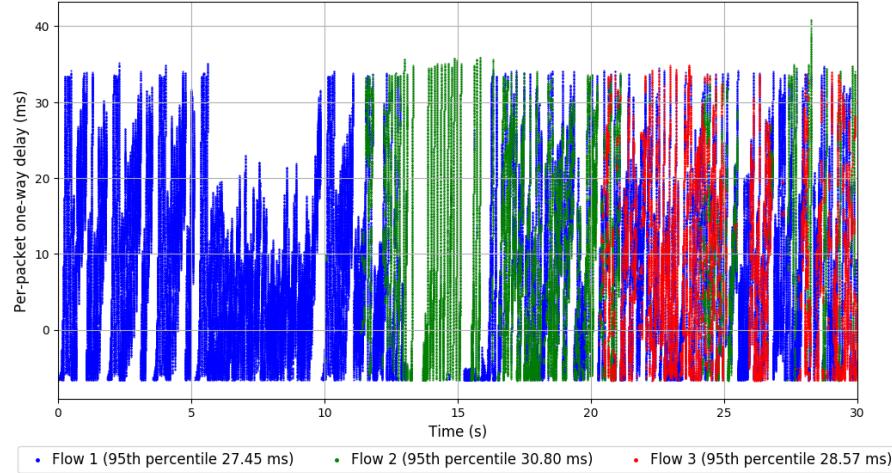
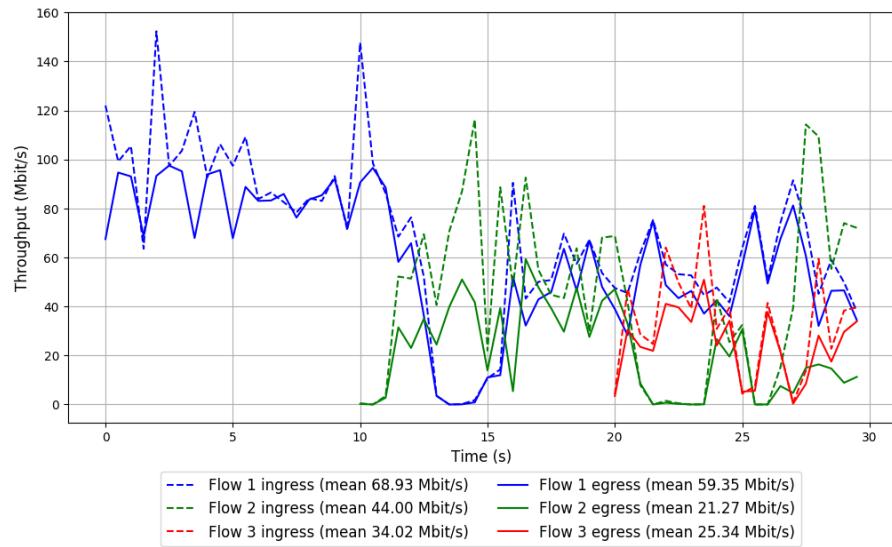


Run 2: Statistics of Verus

```
Start at: 2018-02-02 02:48:17
End at: 2018-02-02 02:48:47
Local clock offset: 3.155 ms
Remote clock offset: -21.083 ms

# Below is generated by plot.py at 2018-02-02 06:52:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.68 Mbit/s
95th percentile per-packet one-way delay: 28.447 ms
Loss rate: 25.14%
-- Flow 1:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 27.451 ms
Loss rate: 13.87%
-- Flow 2:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 30.803 ms
Loss rate: 51.60%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 28.569 ms
Loss rate: 25.49%
```

Run 2: Report of Verus — Data Link

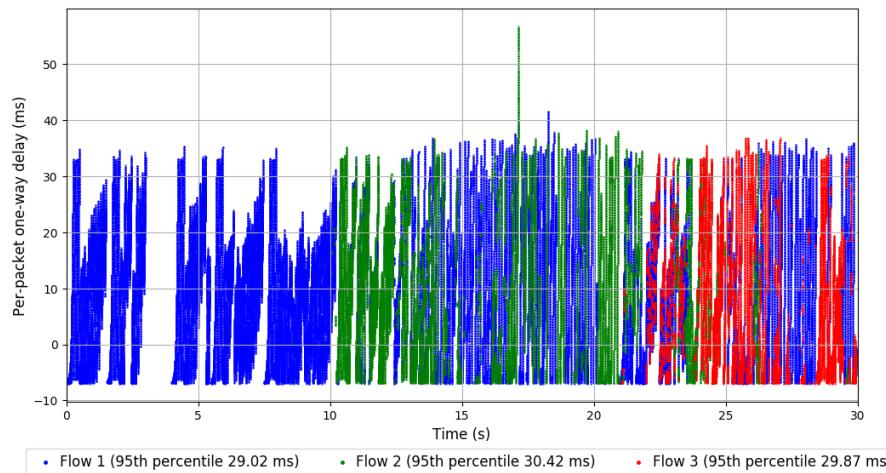
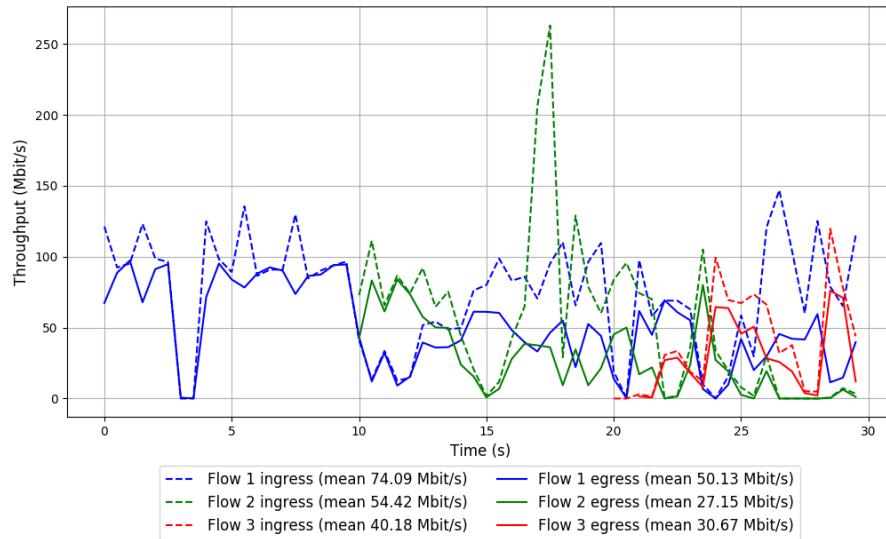


Run 3: Statistics of Verus

```
Start at: 2018-02-02 03:11:12
End at: 2018-02-02 03:11:42
Local clock offset: 6.753 ms
Remote clock offset: -18.146 ms

# Below is generated by plot.py at 2018-02-02 06:52:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 29.503 ms
Loss rate: 37.44%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 29.020 ms
Loss rate: 32.33%
-- Flow 2:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 30.418 ms
Loss rate: 50.16%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 29.871 ms
Loss rate: 31.32%
```

Run 3: Report of Verus — Data Link

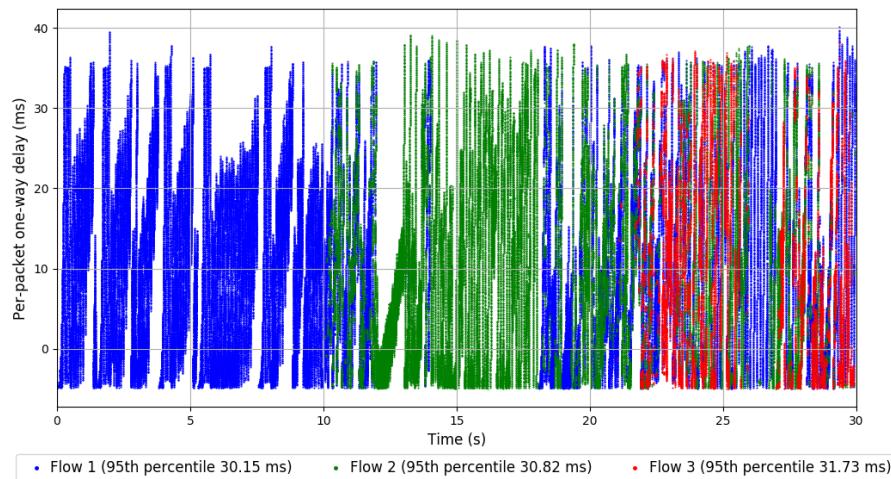
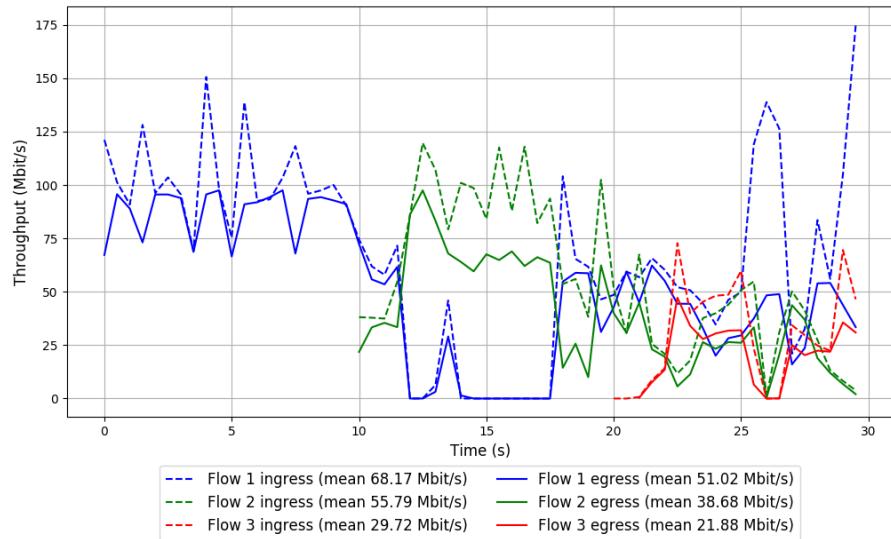


Run 4: Statistics of Verus

```
Start at: 2018-02-02 03:33:53
End at: 2018-02-02 03:34:23
Local clock offset: 4.334 ms
Remote clock offset: -22.249 ms

# Below is generated by plot.py at 2018-02-02 06:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.19 Mbit/s
95th percentile per-packet one-way delay: 30.523 ms
Loss rate: 27.68%
-- Flow 1:
Average throughput: 51.02 Mbit/s
95th percentile per-packet one-way delay: 30.152 ms
Loss rate: 25.12%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 30.817 ms
Loss rate: 30.68%
-- Flow 3:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 31.728 ms
Loss rate: 34.15%
```

Run 4: Report of Verus — Data Link

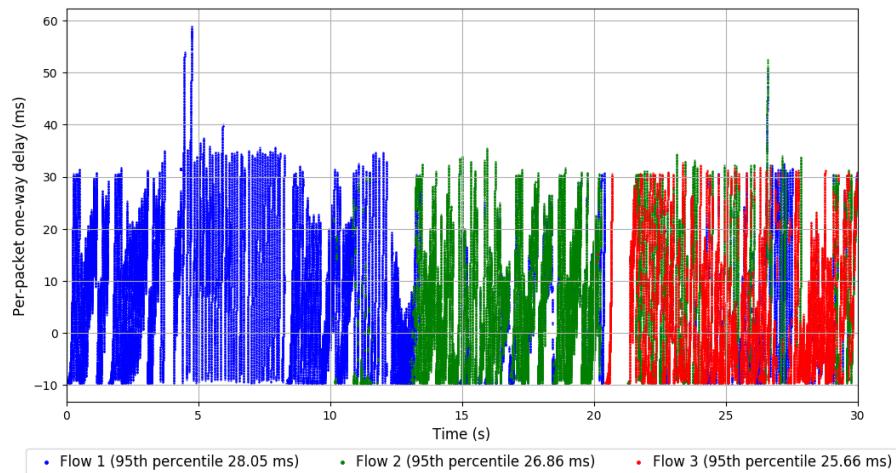
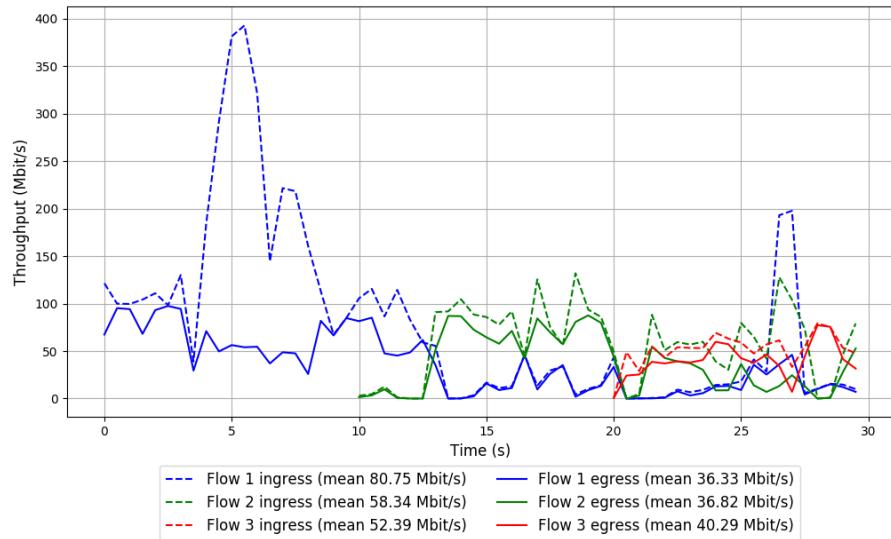


Run 5: Statistics of Verus

```
Start at: 2018-02-02 03:56:36
End at: 2018-02-02 03:57:06
Local clock offset: 4.626 ms
Remote clock offset: -24.869 ms

# Below is generated by plot.py at 2018-02-02 06:52:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 27.176 ms
Loss rate: 45.79%
-- Flow 1:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 28.046 ms
Loss rate: 54.96%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 26.858 ms
Loss rate: 36.88%
-- Flow 3:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 25.657 ms
Loss rate: 23.02%
```

Run 5: Report of Verus — Data Link

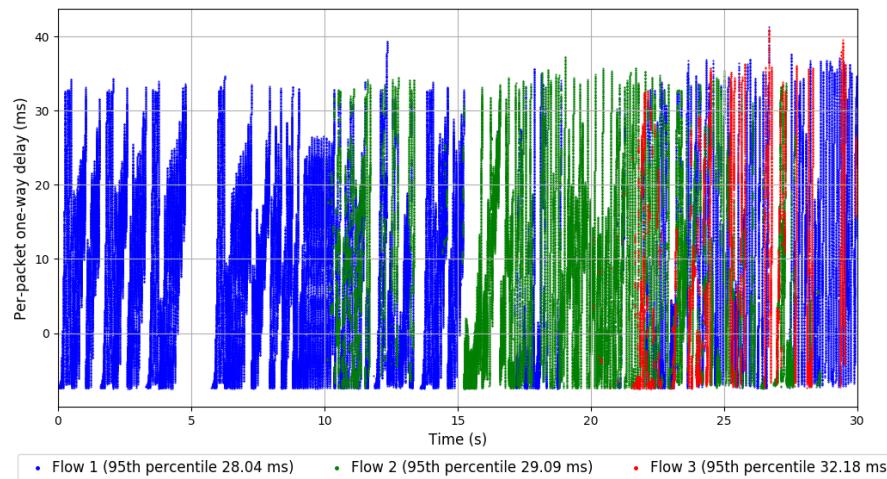
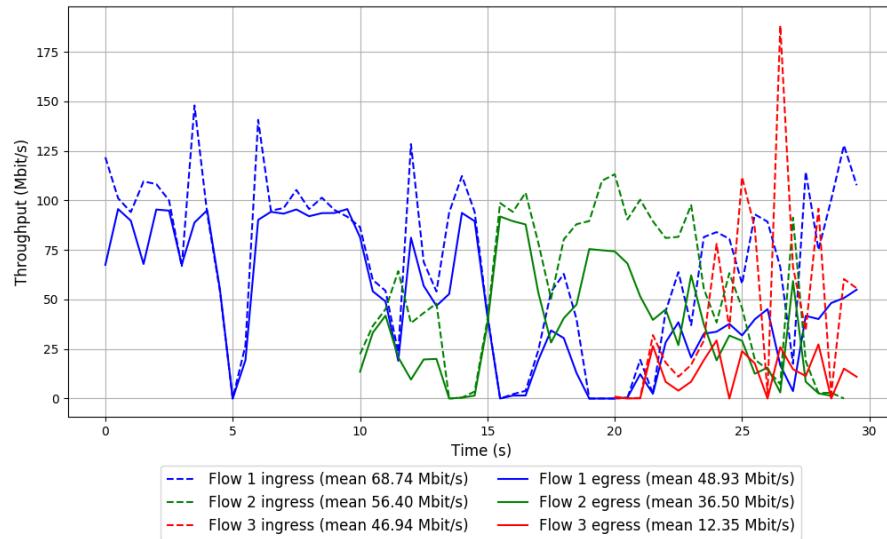


Run 6: Statistics of Verus

```
Start at: 2018-02-02 04:19:39
End at: 2018-02-02 04:20:09
Local clock offset: 4.26 ms
Remote clock offset: -23.553 ms

# Below is generated by plot.py at 2018-02-02 06:52:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.96 Mbit/s
95th percentile per-packet one-way delay: 28.726 ms
Loss rate: 36.68%
-- Flow 1:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 28.044 ms
Loss rate: 28.73%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 29.090 ms
Loss rate: 35.98%
-- Flow 3:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 32.178 ms
Loss rate: 73.66%
```

Run 6: Report of Verus — Data Link

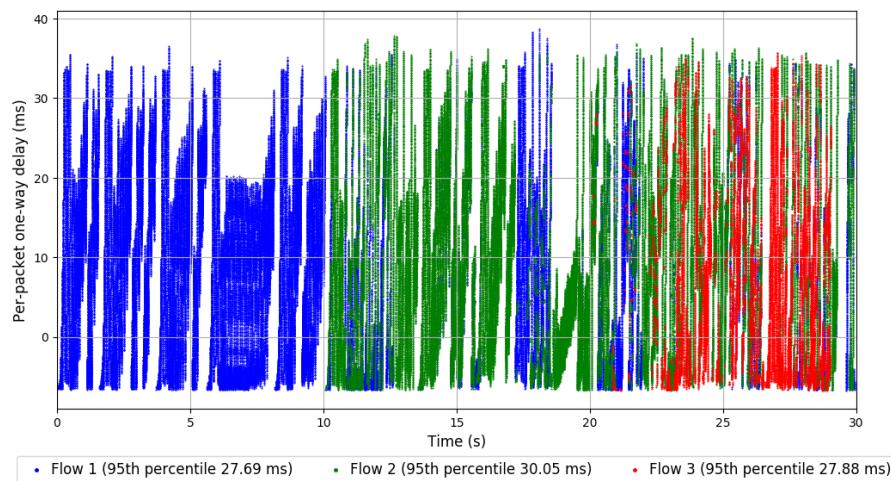
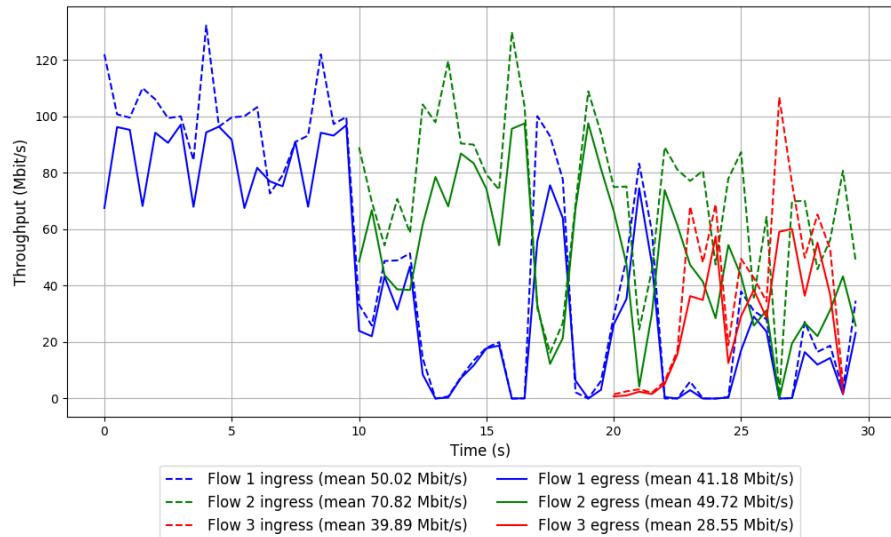


Run 7: Statistics of Verus

```
Start at: 2018-02-02 04:42:45
End at: 2018-02-02 04:43:15
Local clock offset: 0.181 ms
Remote clock offset: -22.195 ms

# Below is generated by plot.py at 2018-02-02 06:53:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 28.770 ms
Loss rate: 24.09%
-- Flow 1:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 27.686 ms
Loss rate: 17.67%
-- Flow 2:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 30.046 ms
Loss rate: 29.77%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 27.883 ms
Loss rate: 28.58%
```

Run 7: Report of Verus — Data Link

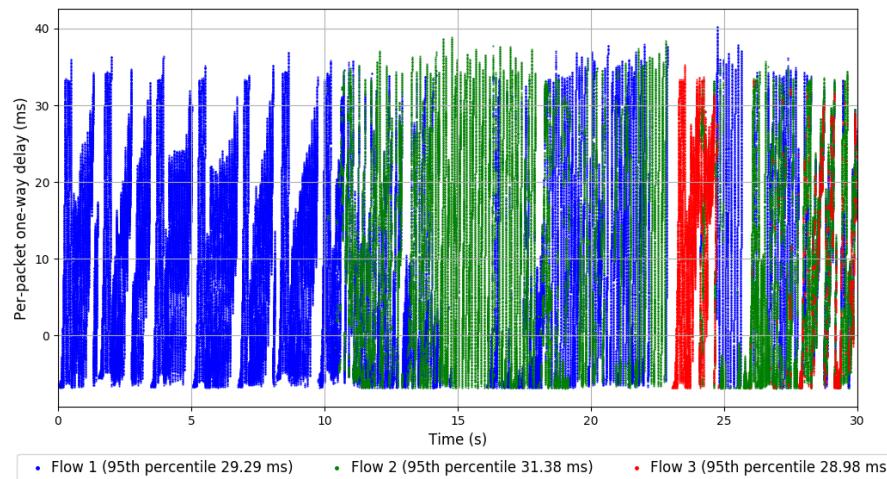
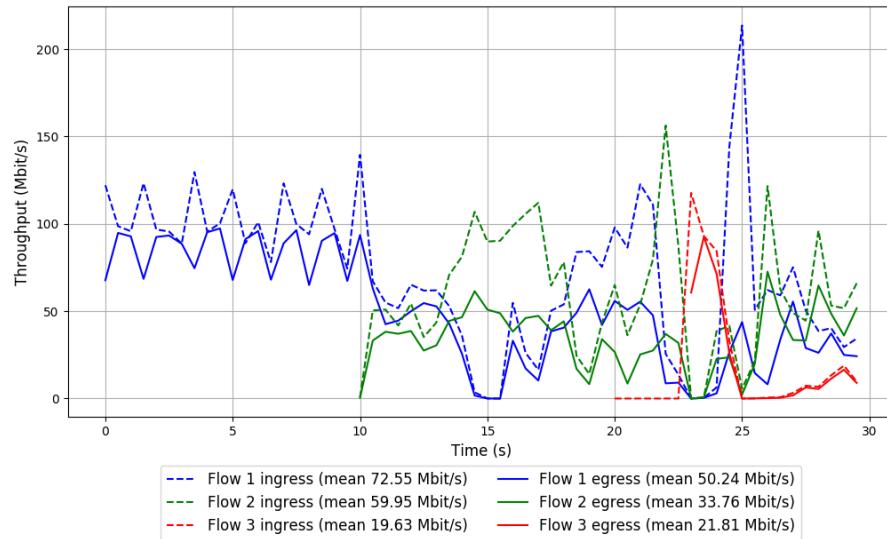


Run 8: Statistics of Verus

```
Start at: 2018-02-02 05:06:37
End at: 2018-02-02 05:07:07
Local clock offset: -0.898 ms
Remote clock offset: -19.675 ms

# Below is generated by plot.py at 2018-02-02 06:53:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 30.029 ms
Loss rate: 34.58%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 29.293 ms
Loss rate: 30.70%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 31.380 ms
Loss rate: 43.64%
-- Flow 3:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 28.978 ms
Loss rate: 22.38%
```

Run 8: Report of Verus — Data Link

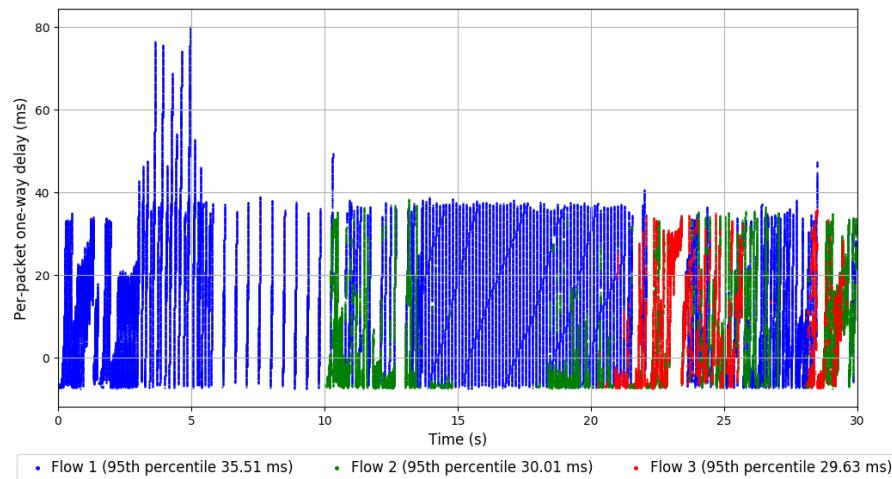
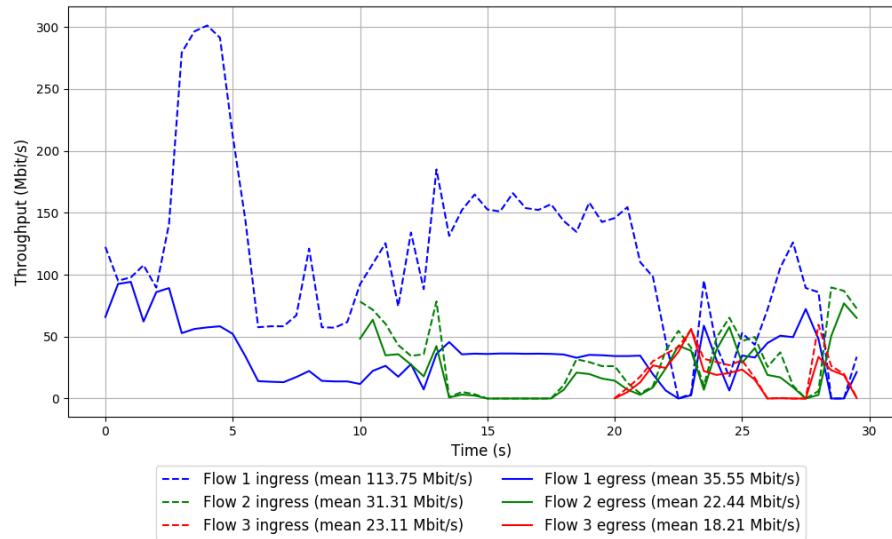


Run 9: Statistics of Verus

```
Start at: 2018-02-02 05:30:04
End at: 2018-02-02 05:30:34
Local clock offset: 4.416 ms
Remote clock offset: -17.844 ms

# Below is generated by plot.py at 2018-02-02 06:53:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 33.597 ms
Loss rate: 60.37%
-- Flow 1:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 35.505 ms
Loss rate: 68.73%
-- Flow 2:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 30.011 ms
Loss rate: 28.26%
-- Flow 3:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 29.633 ms
Loss rate: 21.43%
```

Run 9: Report of Verus — Data Link

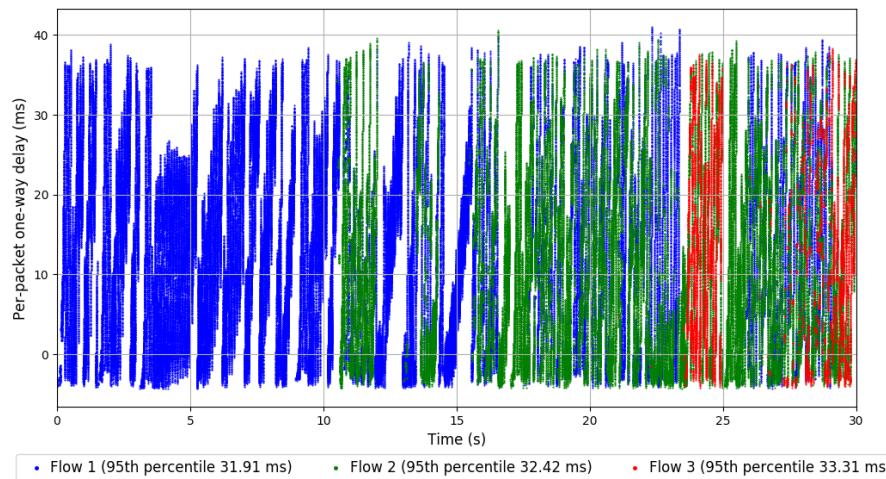
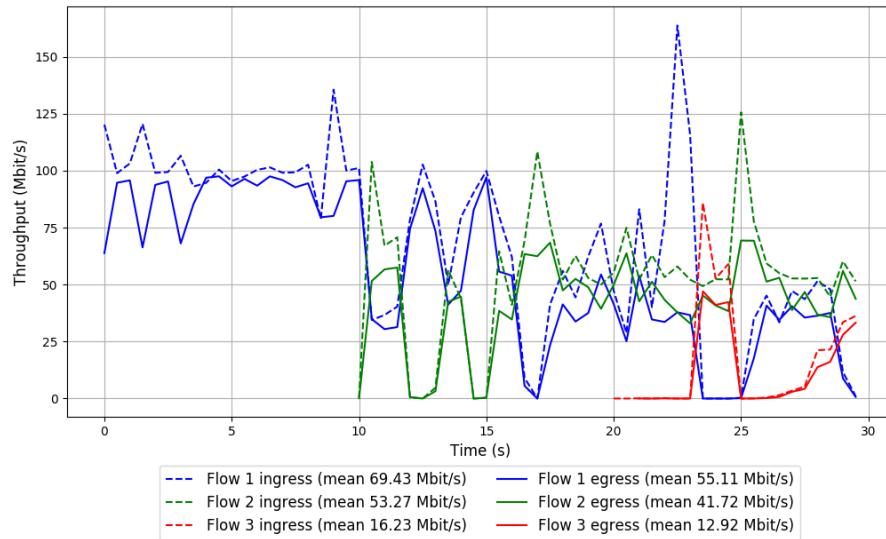


Run 10: Statistics of Verus

```
Start at: 2018-02-02 05:53:04
End at: 2018-02-02 05:53:34
Local clock offset: 3.961 ms
Remote clock offset: -18.726 ms

# Below is generated by plot.py at 2018-02-02 06:53:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 32.139 ms
Loss rate: 21.31%
-- Flow 1:
Average throughput: 55.11 Mbit/s
95th percentile per-packet one-way delay: 31.913 ms
Loss rate: 20.55%
-- Flow 2:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 32.418 ms
Loss rate: 21.74%
-- Flow 3:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 33.312 ms
Loss rate: 28.40%
```

Run 10: Report of Verus — Data Link

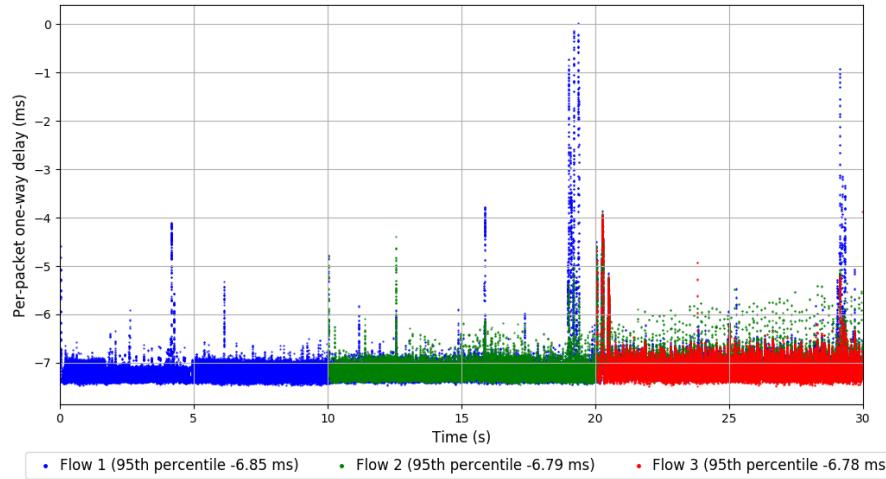
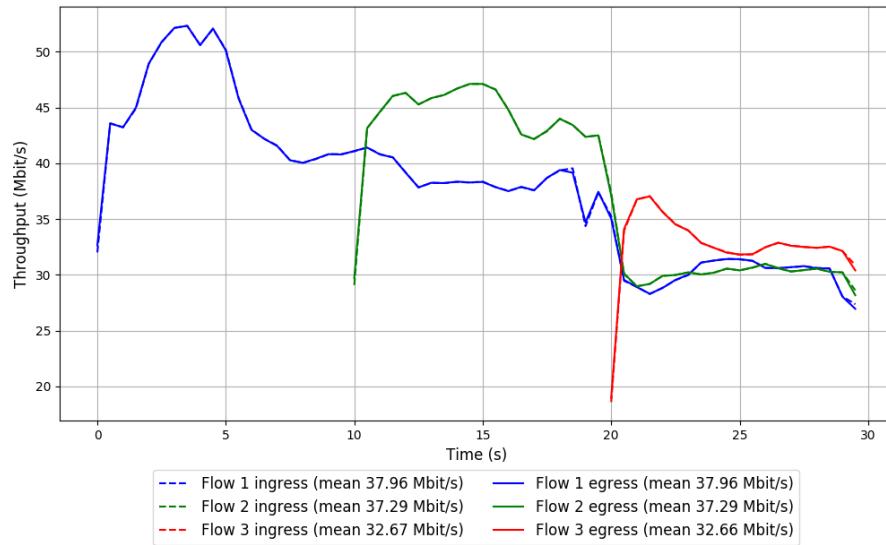


Run 1: Statistics of Copa

```
Start at: 2018-02-02 02:24:37
End at: 2018-02-02 02:25:07
Local clock offset: 4.402 ms
Remote clock offset: -20.255 ms

# Below is generated by plot.py at 2018-02-02 06:54:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: -6.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: -6.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: -6.786 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: -6.778 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

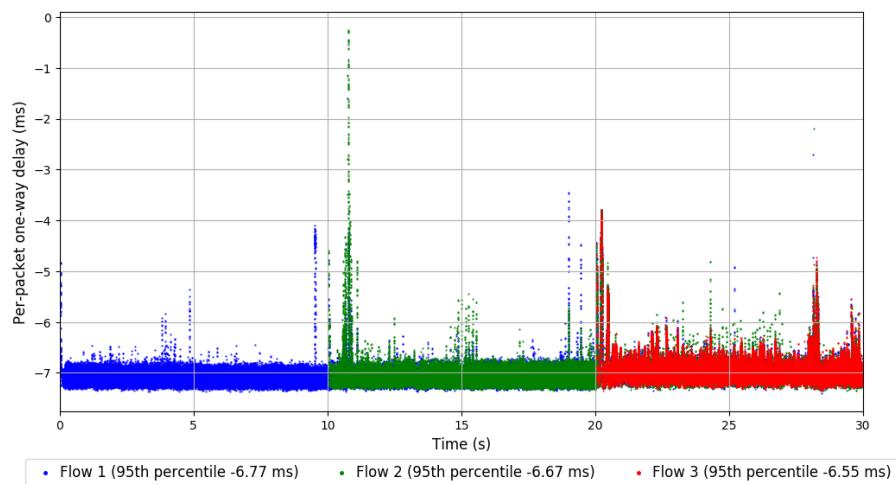
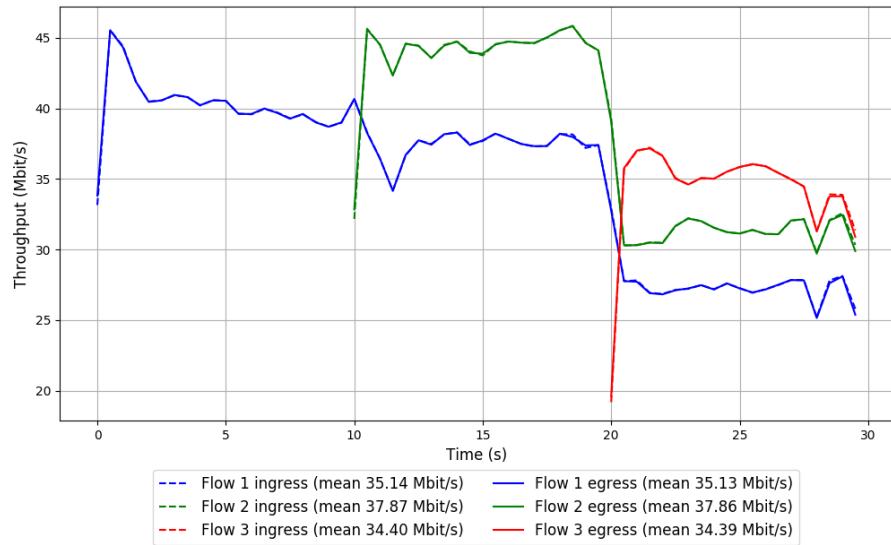


Run 2: Statistics of Copa

```
Start at: 2018-02-02 02:47:04
End at: 2018-02-02 02:47:34
Local clock offset: 4.672 ms
Remote clock offset: -20.341 ms

# Below is generated by plot.py at 2018-02-02 06:54:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: -6.691 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: -6.769 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: -6.671 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: -6.555 ms
Loss rate: 0.05%
```

Run 2: Report of Copa — Data Link

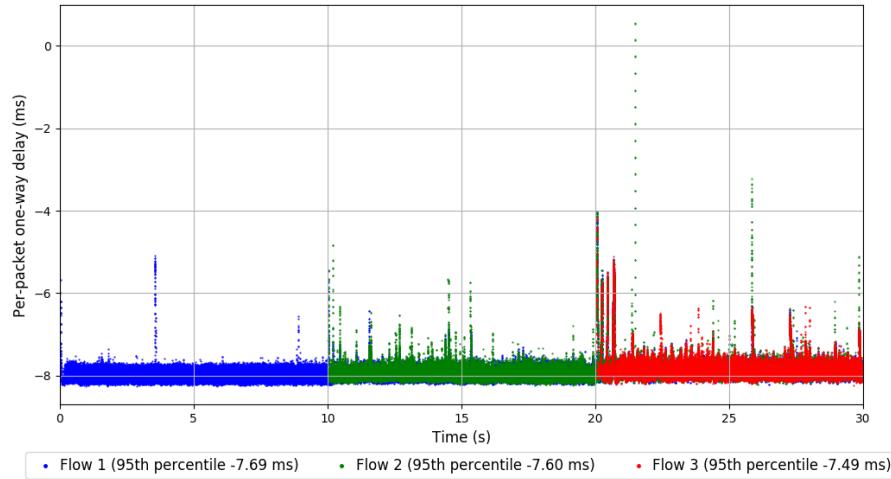
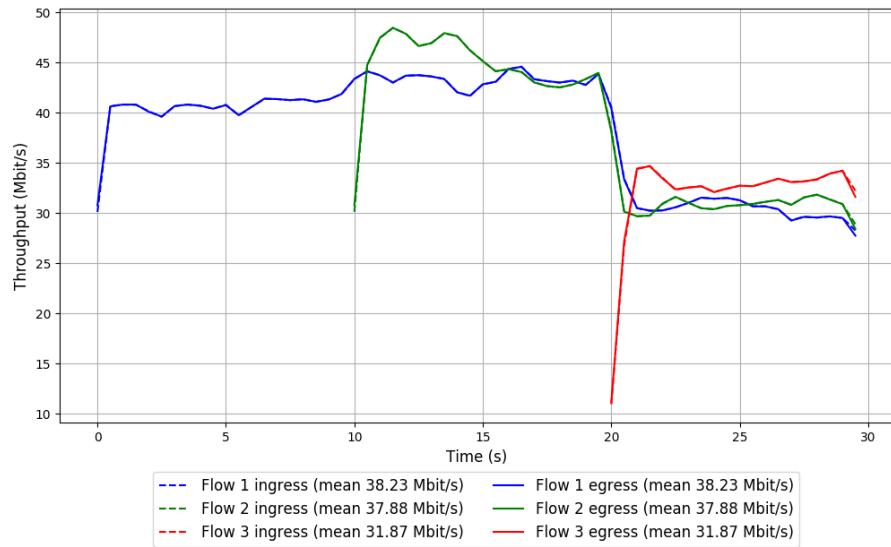


Run 3: Statistics of Copa

```
Start at: 2018-02-02 03:09:55
End at: 2018-02-02 03:10:25
Local clock offset: 7.814 ms
Remote clock offset: -18.356 ms

# Below is generated by plot.py at 2018-02-02 06:54:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: -7.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: -7.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: -7.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: -7.494 ms
Loss rate: 0.01%
```

Run 3: Report of Copa — Data Link

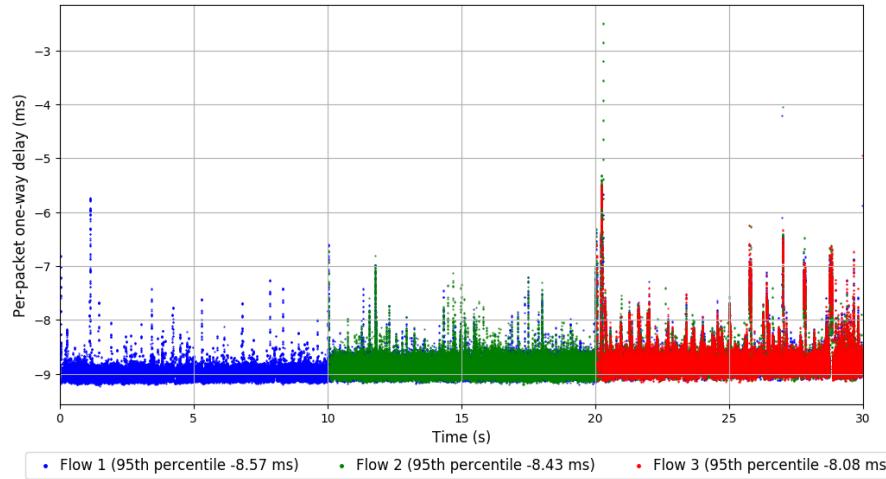
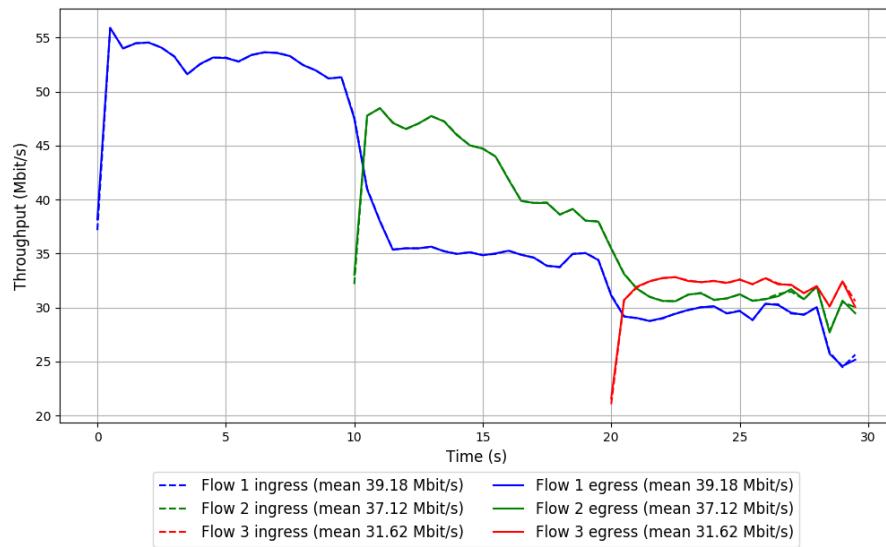


Run 4: Statistics of Copa

```
Start at: 2018-02-02 03:32:40
End at: 2018-02-02 03:33:10
Local clock offset: 7.632 ms
Remote clock offset: -23.112 ms

# Below is generated by plot.py at 2018-02-02 06:54:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: -8.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: -8.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: -8.426 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: -8.080 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

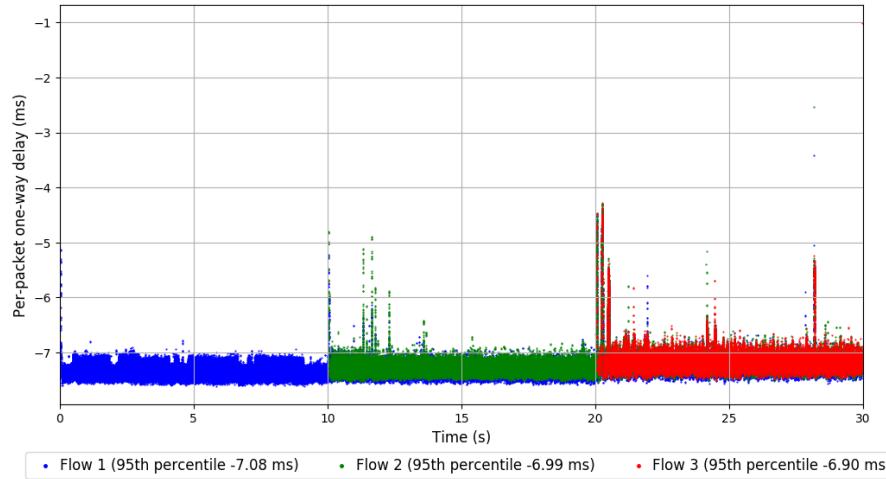
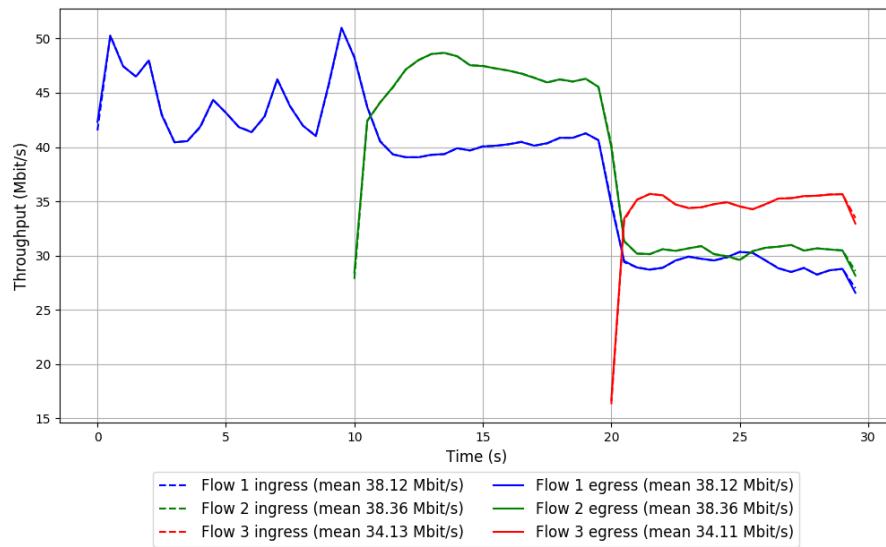


Run 5: Statistics of Copa

```
Start at: 2018-02-02 03:55:22
End at: 2018-02-02 03:55:52
Local clock offset: -1.751 ms
Remote clock offset: -29.16 ms

# Below is generated by plot.py at 2018-02-02 06:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.98 Mbit/s
95th percentile per-packet one-way delay: -7.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: -7.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: -6.986 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: -6.902 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

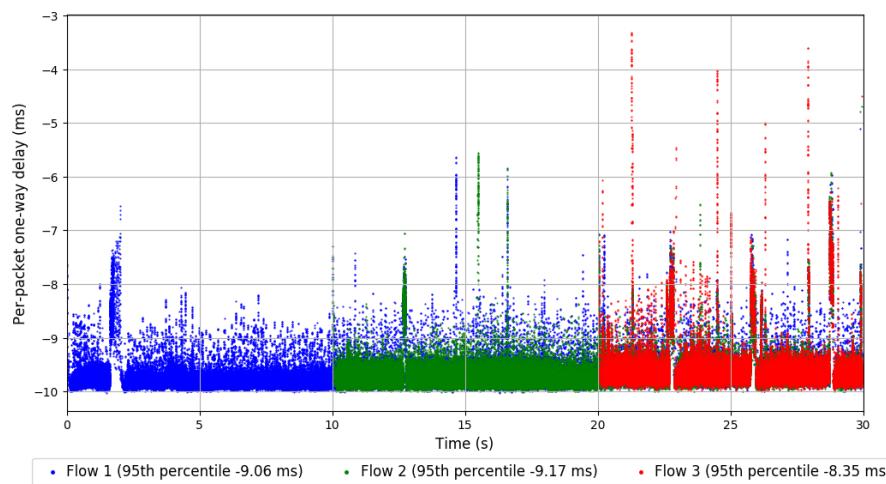
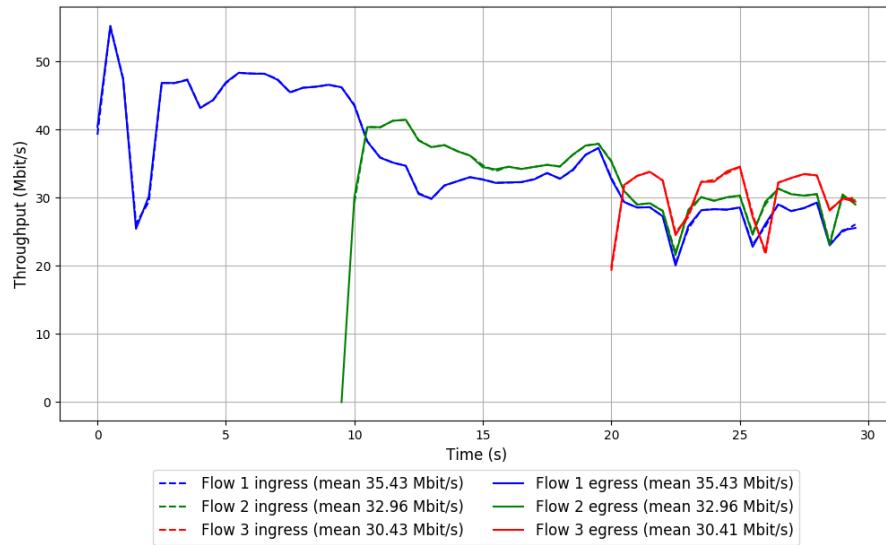


Run 6: Statistics of Copa

```
Start at: 2018-02-02 04:18:23
End at: 2018-02-02 04:18:53
Local clock offset: 3.948 ms
Remote clock offset: -26.369 ms

# Below is generated by plot.py at 2018-02-02 06:55:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.48 Mbit/s
95th percentile per-packet one-way delay: -9.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: -9.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: -9.167 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: -8.354 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

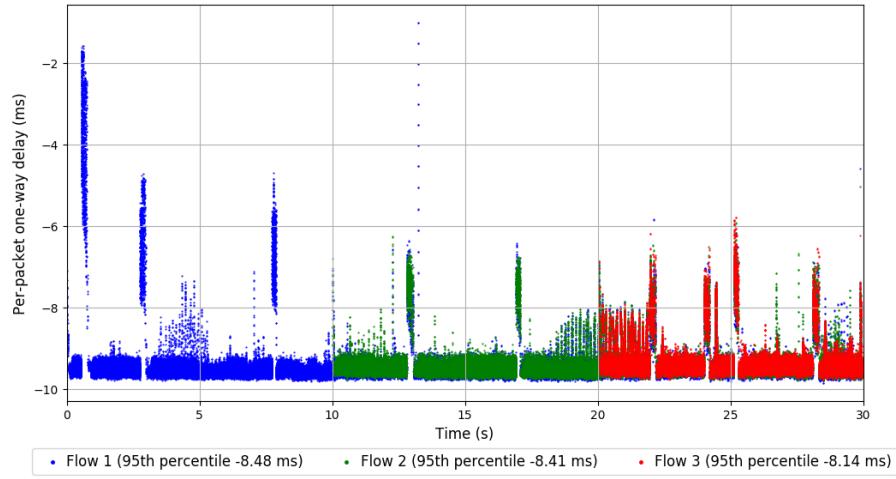
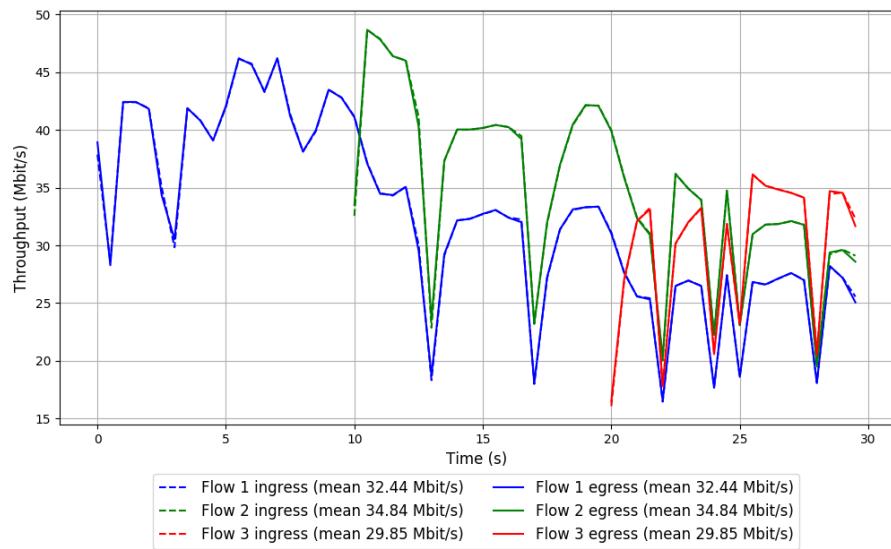


Run 7: Statistics of Copa

```
Start at: 2018-02-02 04:41:30
End at: 2018-02-02 04:42:00
Local clock offset: 1.33 ms
Remote clock offset: -24.454 ms

# Below is generated by plot.py at 2018-02-02 06:55:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: -8.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: -8.481 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: -8.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: -8.137 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

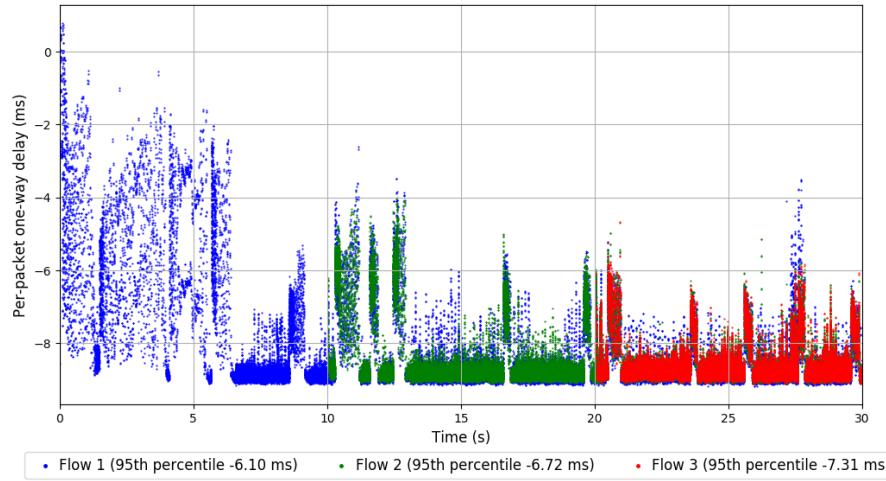
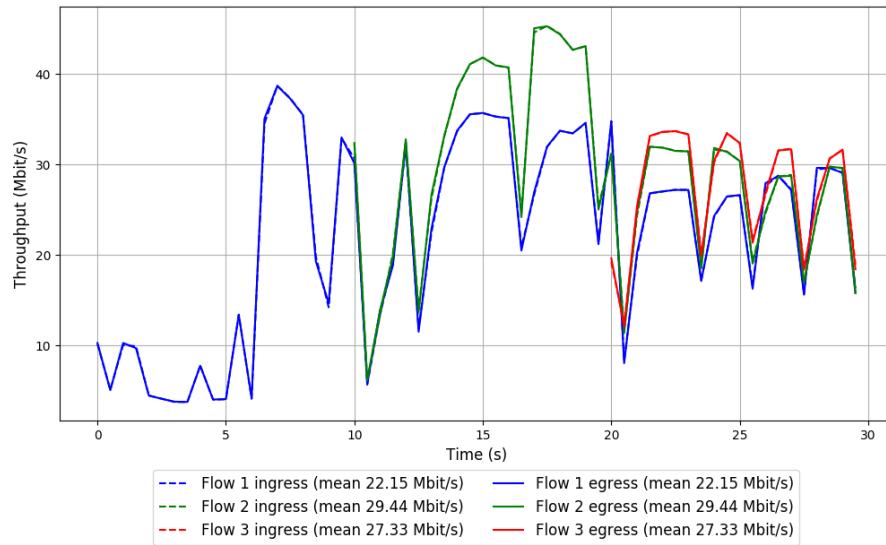


Run 8: Statistics of Copa

```
Start at: 2018-02-02 05:05:24
End at: 2018-02-02 05:05:54
Local clock offset: 0.597 ms
Remote clock offset: -20.657 ms

# Below is generated by plot.py at 2018-02-02 06:55:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: -6.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: -6.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: -6.725 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.33 Mbit/s
95th percentile per-packet one-way delay: -7.307 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

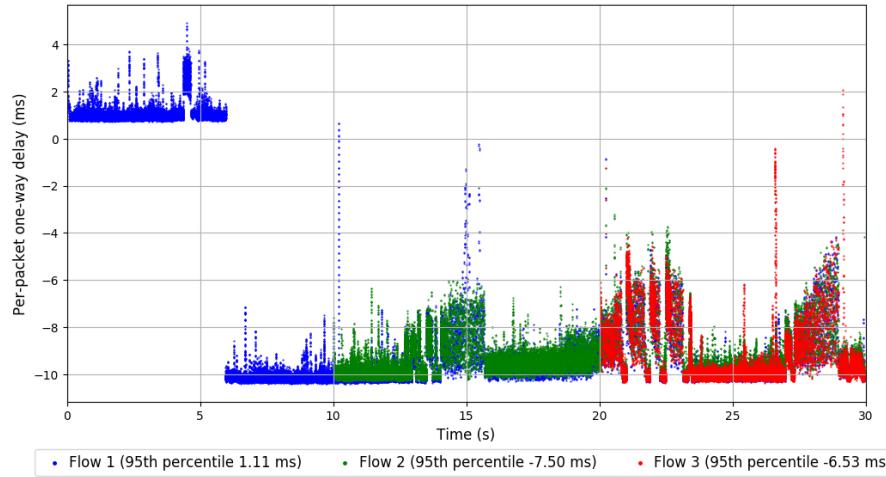
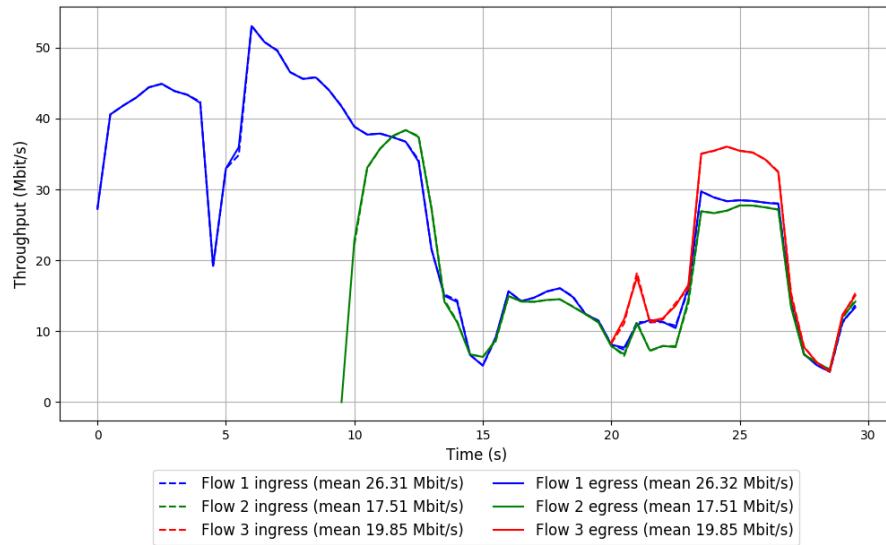


Run 9: Statistics of Copa

```
Start at: 2018-02-02 05:28:52
End at: 2018-02-02 05:29:22
Local clock offset: 6.286 ms
Remote clock offset: -18.615 ms

# Below is generated by plot.py at 2018-02-02 06:55:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: -7.500 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.85 Mbit/s
95th percentile per-packet one-way delay: -6.534 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

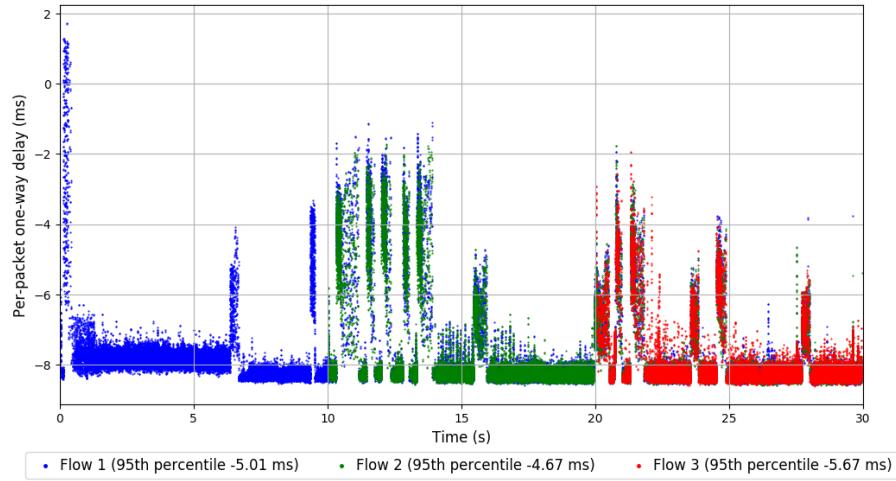
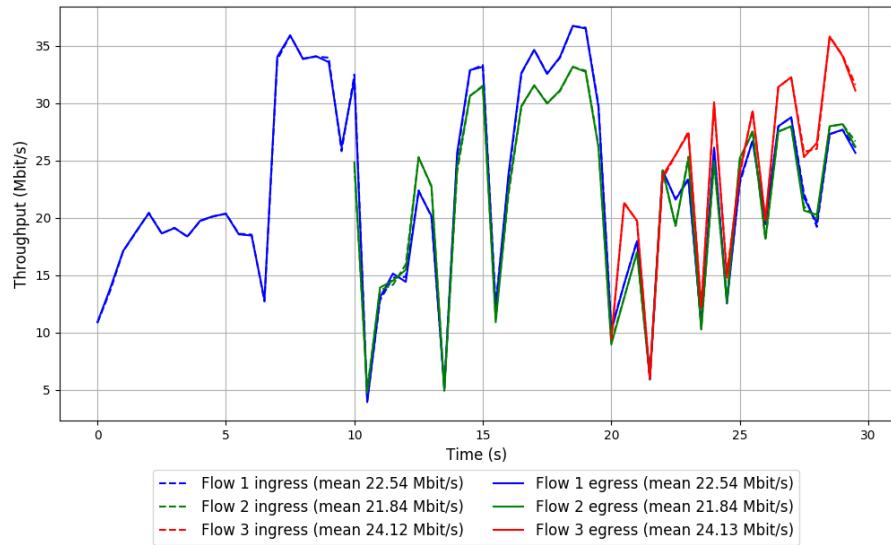


Run 10: Statistics of Copa

```
Start at: 2018-02-02 05:51:53
End at: 2018-02-02 05:52:23
Local clock offset: 6.74 ms
Remote clock offset: -20.433 ms

# Below is generated by plot.py at 2018-02-02 06:55:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: -5.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: -5.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: -4.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: -5.675 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

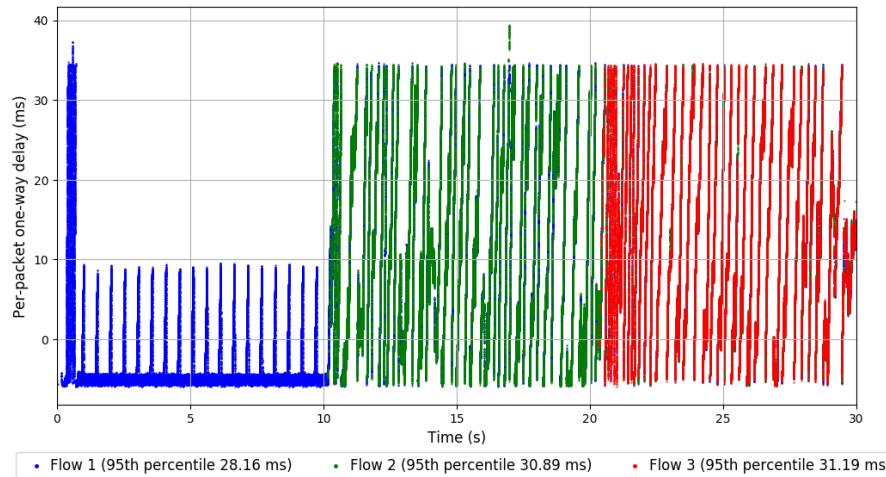
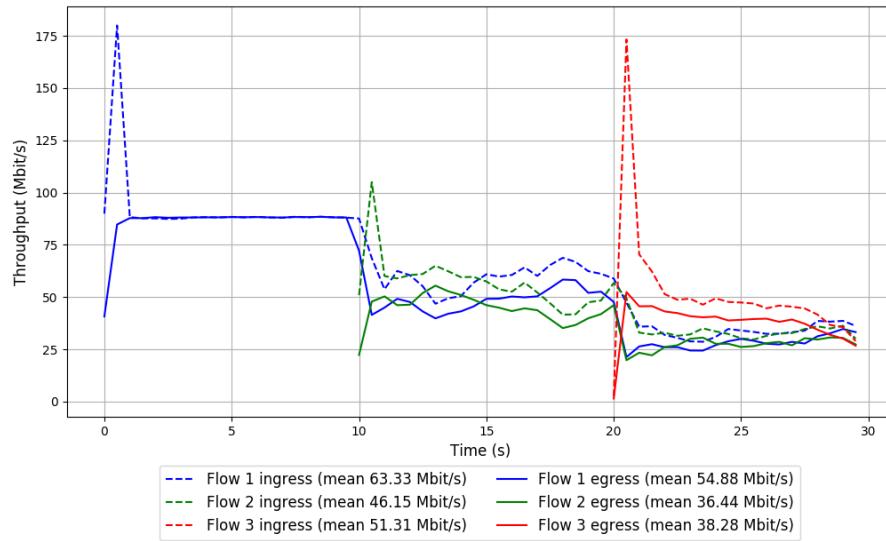


```
Run 1: Statistics of FillP

Start at: 2018-02-02 02:17:34
End at: 2018-02-02 02:18:04
Local clock offset: 4.34 ms
Remote clock offset: -18.612 ms

# Below is generated by plot.py at 2018-02-02 06:57:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 29.701 ms
Loss rate: 17.47%
-- Flow 1:
Average throughput: 54.88 Mbit/s
95th percentile per-packet one-way delay: 28.155 ms
Loss rate: 13.30%
-- Flow 2:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 20.97%
-- Flow 3:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 31.190 ms
Loss rate: 26.64%
```

Run 1: Report of FillP — Data Link

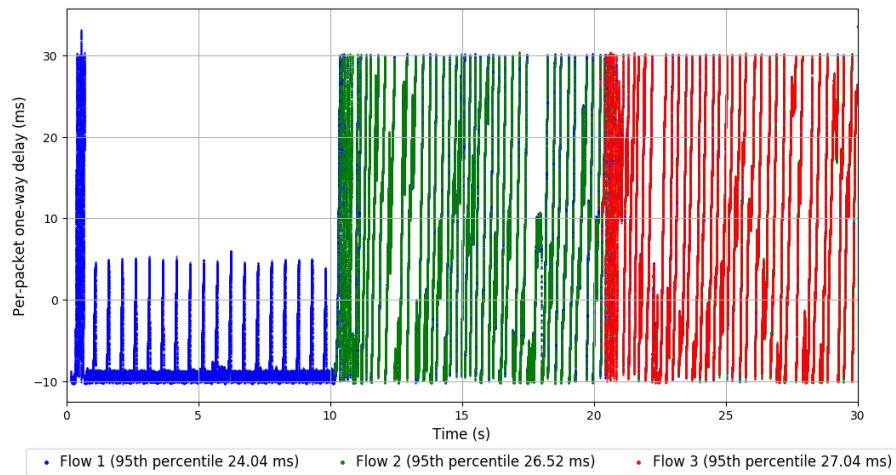
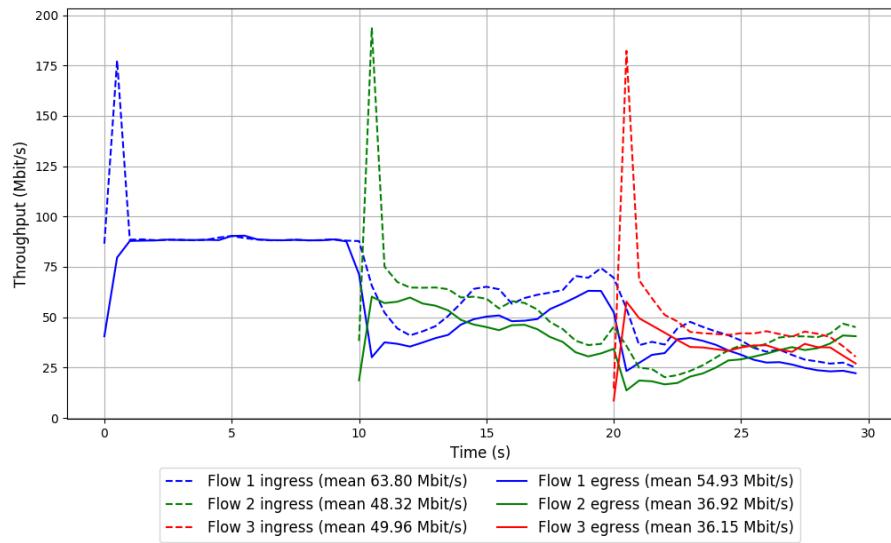


Run 2: Statistics of FillP

```
Start at: 2018-02-02 02:40:07
End at: 2018-02-02 02:40:37
Local clock offset: 5.32 ms
Remote clock offset: -22.253 ms

# Below is generated by plot.py at 2018-02-02 06:57:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 25.530 ms
Loss rate: 18.56%
-- Flow 1:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 24.035 ms
Loss rate: 13.78%
-- Flow 2:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 26.516 ms
Loss rate: 23.45%
-- Flow 3:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 27.043 ms
Loss rate: 27.46%
```

Run 2: Report of FillP — Data Link

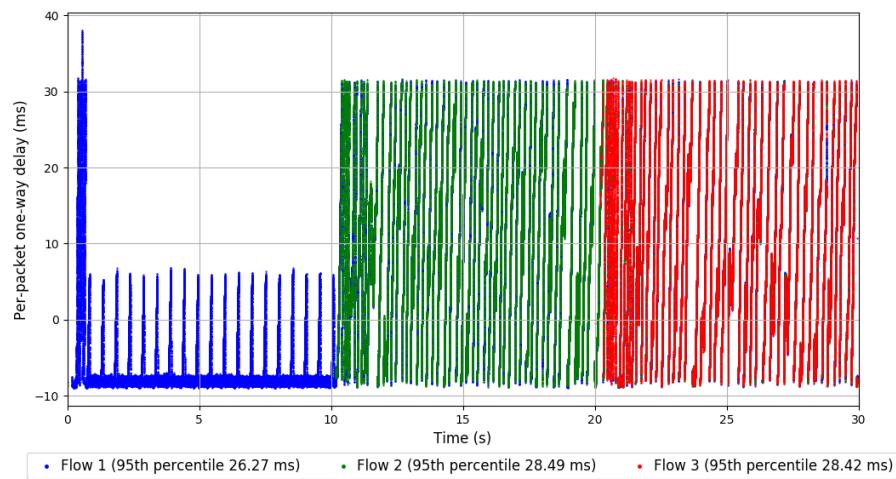
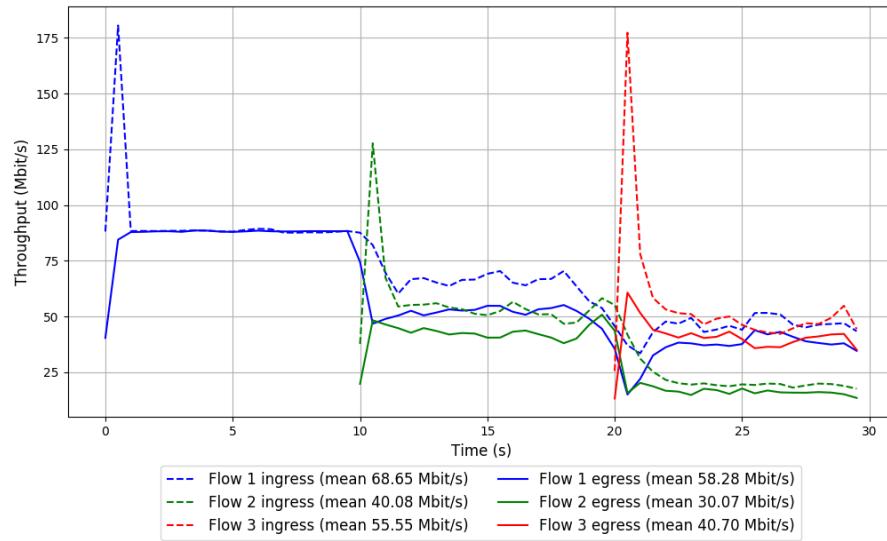


Run 3: Statistics of FillP

```
Start at: 2018-02-02 03:02:46
End at: 2018-02-02 03:03:16
Local clock offset: 5.696 ms
Remote clock offset: -20.744 ms

# Below is generated by plot.py at 2018-02-02 06:57:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 27.370 ms
Loss rate: 19.28%
-- Flow 1:
Average throughput: 58.28 Mbit/s
95th percentile per-packet one-way delay: 26.267 ms
Loss rate: 15.05%
-- Flow 2:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 28.492 ms
Loss rate: 24.98%
-- Flow 3:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 28.420 ms
Loss rate: 26.78%
```

Run 3: Report of FillP — Data Link

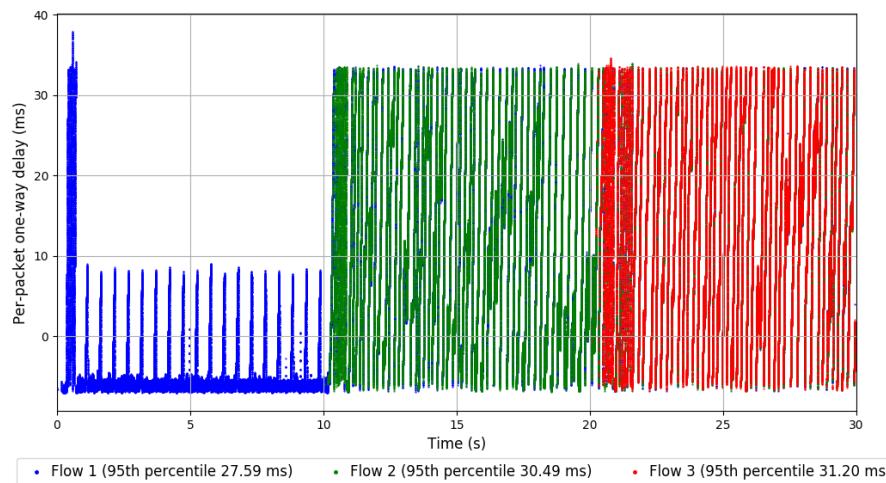
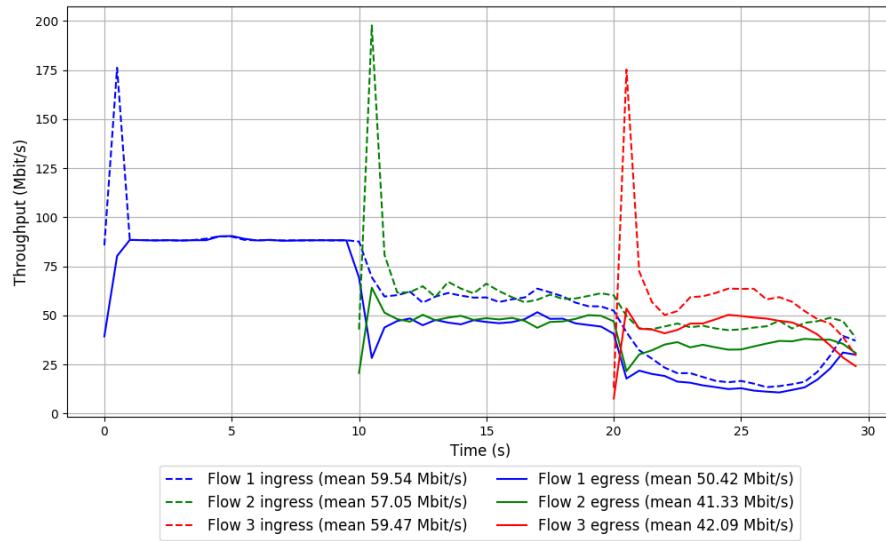


Run 4: Statistics of FillP

```
Start at: 2018-02-02 03:25:39
End at: 2018-02-02 03:26:09
Local clock offset: 6.526 ms
Remote clock offset: -20.481 ms

# Below is generated by plot.py at 2018-02-02 06:57:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 29.648 ms
Loss rate: 21.63%
-- Flow 1:
Average throughput: 50.42 Mbit/s
95th percentile per-packet one-way delay: 27.586 ms
Loss rate: 15.28%
-- Flow 2:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 30.490 ms
Loss rate: 27.53%
-- Flow 3:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 31.200 ms
Loss rate: 29.41%
```

Run 4: Report of FillP — Data Link

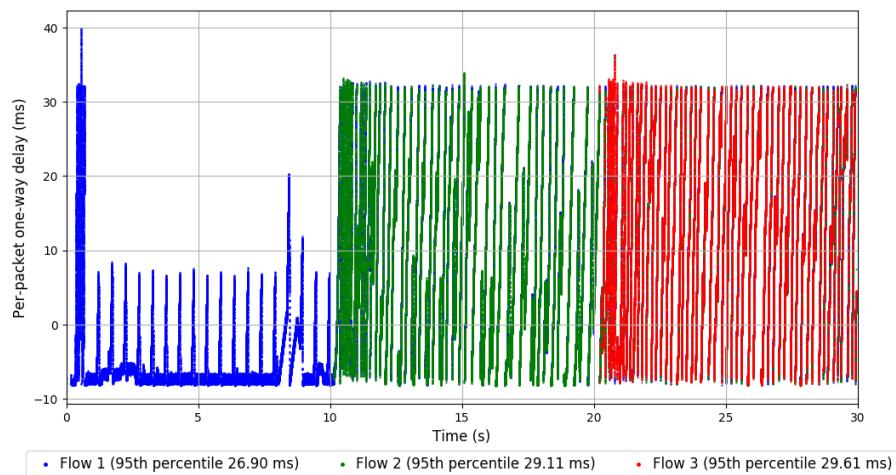
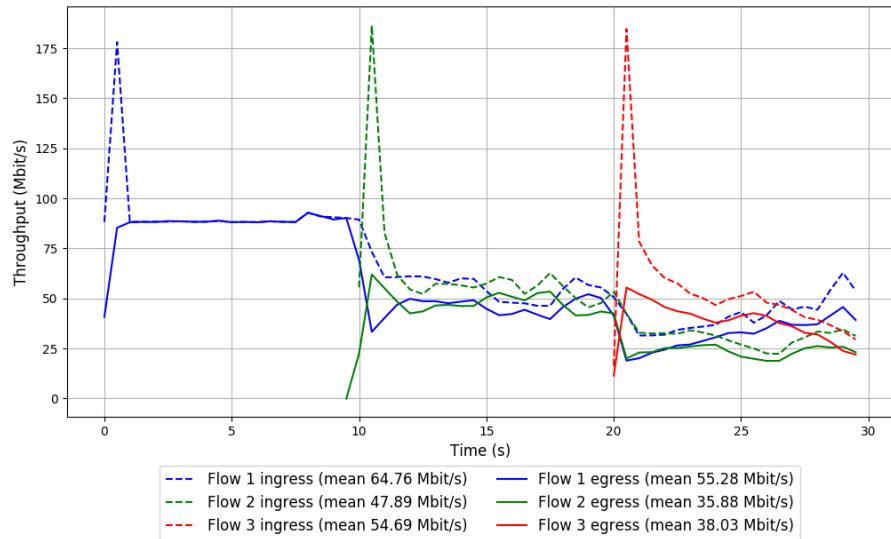


Run 5: Statistics of FillP

```
Start at: 2018-02-02 03:48:17
End at: 2018-02-02 03:48:47
Local clock offset: 3.822 ms
Remote clock offset: -24.218 ms

# Below is generated by plot.py at 2018-02-02 06:57:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 28.192 ms
Loss rate: 20.00%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 26.900 ms
Loss rate: 14.60%
-- Flow 2:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 29.106 ms
Loss rate: 25.03%
-- Flow 3:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 29.607 ms
Loss rate: 30.46%
```

Run 5: Report of FillP — Data Link

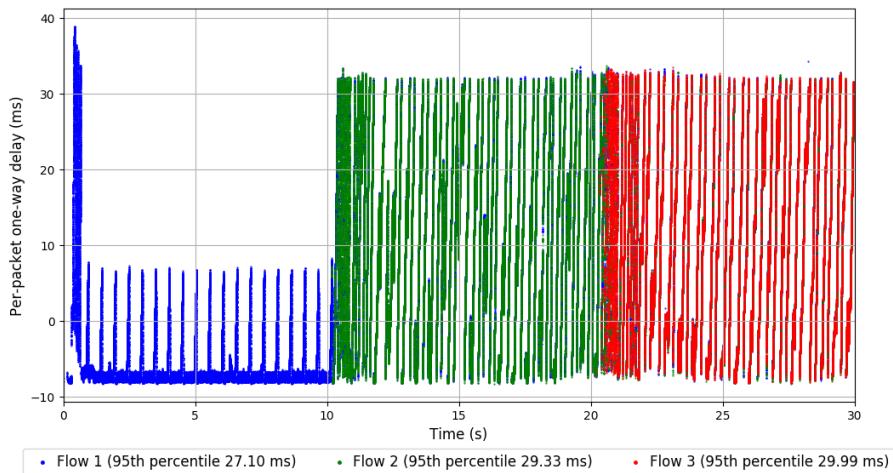
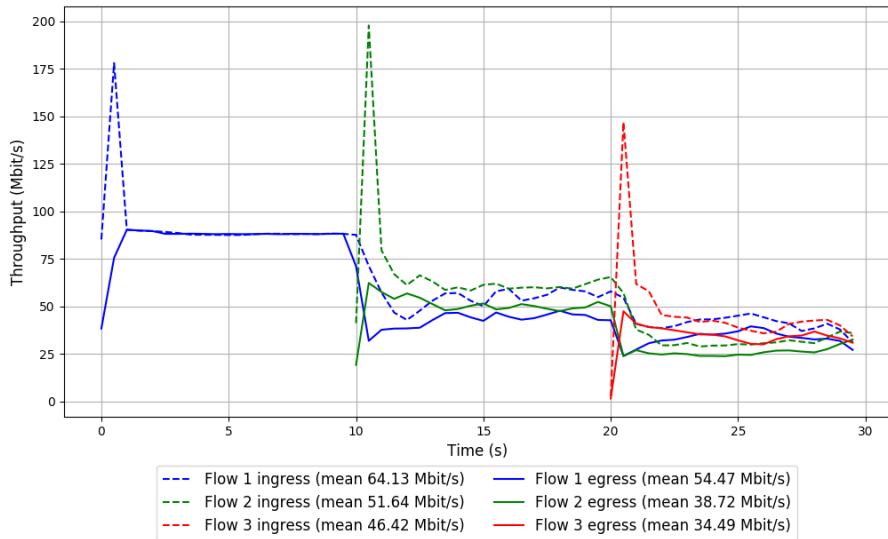


Run 6: Statistics of FillP

```
Start at: 2018-02-02 04:11:14
End at: 2018-02-02 04:11:44
Local clock offset: 2.626 ms
Remote clock offset: -25.413 ms

# Below is generated by plot.py at 2018-02-02 06:57:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 28.472 ms
Loss rate: 19.51%
-- Flow 1:
Average throughput: 54.47 Mbit/s
95th percentile per-packet one-way delay: 27.103 ms
Loss rate: 14.95%
-- Flow 2:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 29.326 ms
Loss rate: 24.88%
-- Flow 3:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 26.57%
```

Run 6: Report of FillP — Data Link

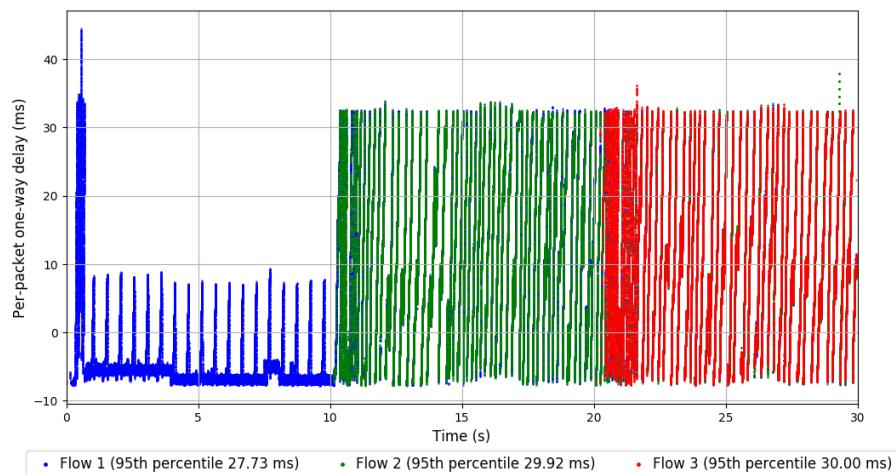
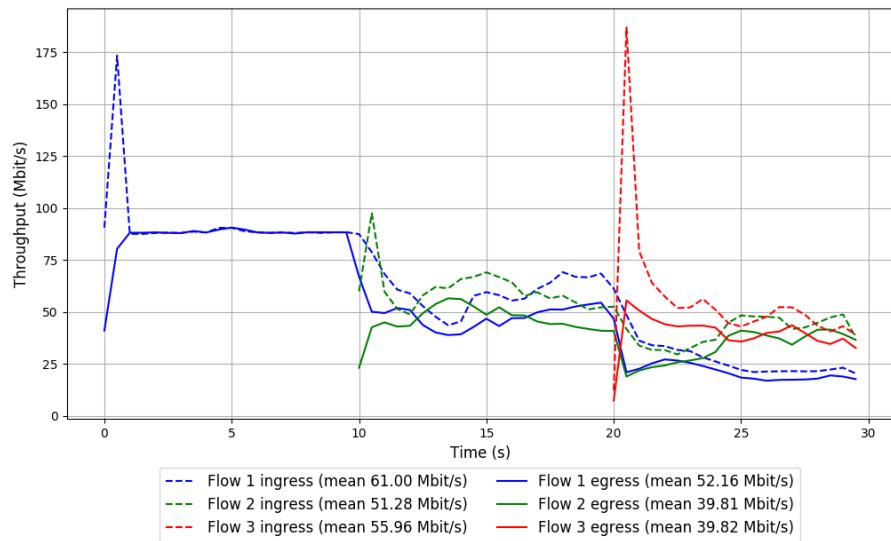


Run 7: Statistics of FillP

```
Start at: 2018-02-02 04:34:14
End at: 2018-02-02 04:34:44
Local clock offset: 2.349 ms
Remote clock offset: -22.892 ms

# Below is generated by plot.py at 2018-02-02 06:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 28.990 ms
Loss rate: 19.16%
-- Flow 1:
Average throughput: 52.16 Mbit/s
95th percentile per-packet one-way delay: 27.730 ms
Loss rate: 14.45%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 29.923 ms
Loss rate: 22.31%
-- Flow 3:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 29.997 ms
Loss rate: 28.89%
```

Run 7: Report of FillP — Data Link

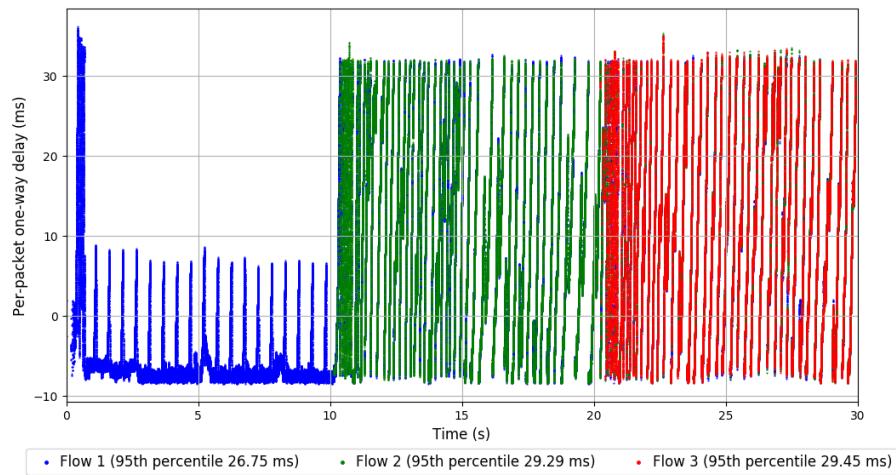
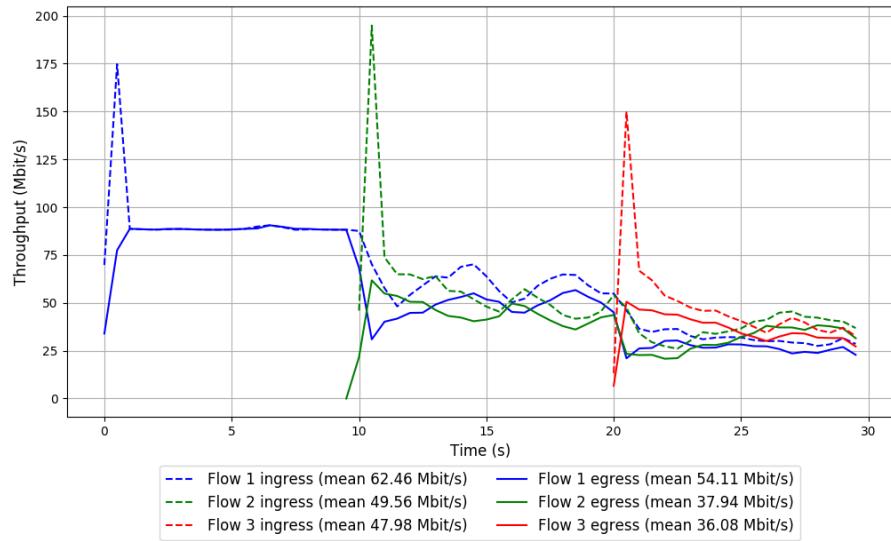


Run 8: Statistics of FillP

```
Start at: 2018-02-02 04:58:03
End at: 2018-02-02 04:58:33
Local clock offset: 1.401 ms
Remote clock offset: -20.059 ms

# Below is generated by plot.py at 2018-02-02 06:58:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 28.136 ms
Loss rate: 18.02%
-- Flow 1:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 26.746 ms
Loss rate: 13.39%
-- Flow 2:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 29.286 ms
Loss rate: 23.44%
-- Flow 3:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 29.452 ms
Loss rate: 24.94%
```

Run 8: Report of FillP — Data Link

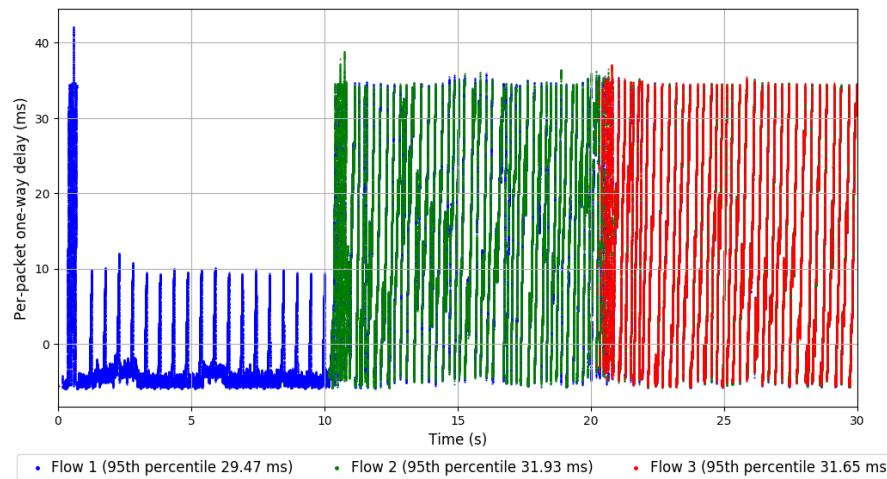
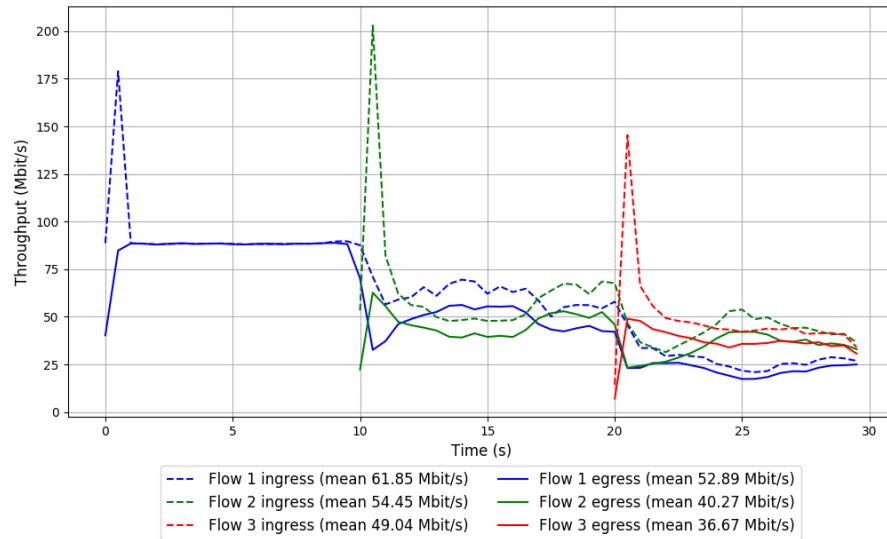


Run 9: Statistics of FillP

```
Start at: 2018-02-02 05:21:35
End at: 2018-02-02 05:22:05
Local clock offset: 1.274 ms
Remote clock offset: -16.963 ms

# Below is generated by plot.py at 2018-02-02 07:00:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 30.842 ms
Loss rate: 19.56%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 29.466 ms
Loss rate: 14.38%
-- Flow 2:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 31.925 ms
Loss rate: 25.93%
-- Flow 3:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 31.653 ms
Loss rate: 25.04%
```

Run 9: Report of FillP — Data Link

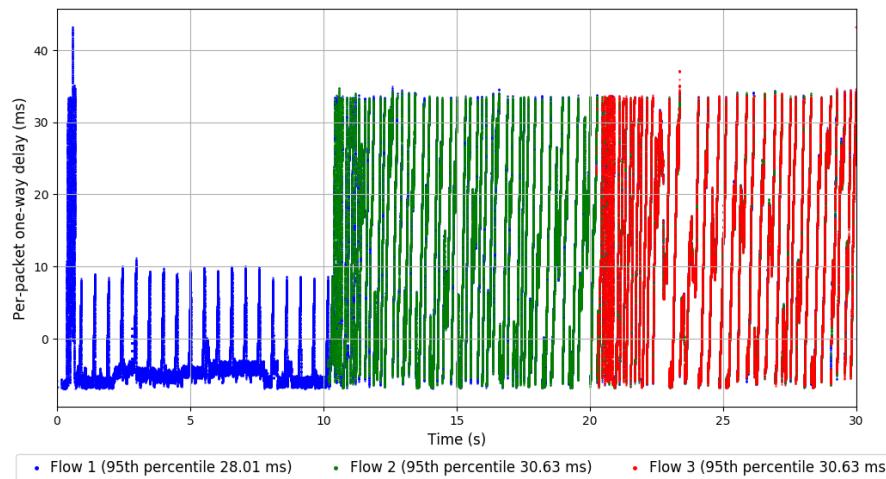
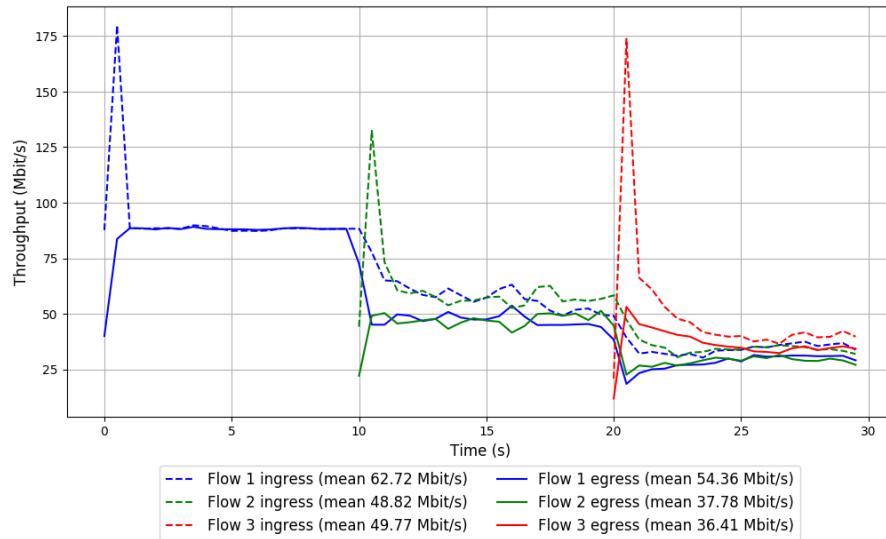


Run 10: Statistics of FillP

```
Start at: 2018-02-02 05:44:38
End at: 2018-02-02 05:45:08
Local clock offset: 4.902 ms
Remote clock offset: -20.04 ms

# Below is generated by plot.py at 2018-02-02 07:00:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 29.501 ms
Loss rate: 17.86%
-- Flow 1:
Average throughput: 54.36 Mbit/s
95th percentile per-packet one-way delay: 28.007 ms
Loss rate: 13.21%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 30.627 ms
Loss rate: 22.48%
-- Flow 3:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 30.631 ms
Loss rate: 26.49%
```

Run 10: Report of FillP — Data Link

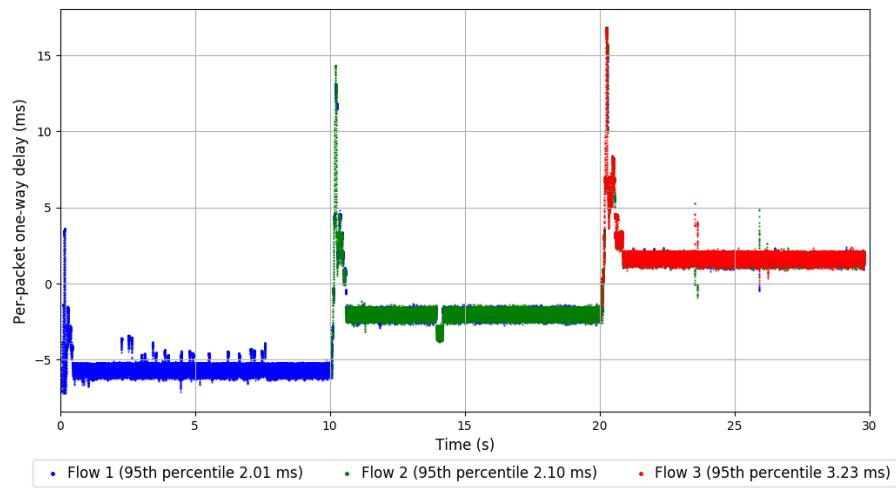
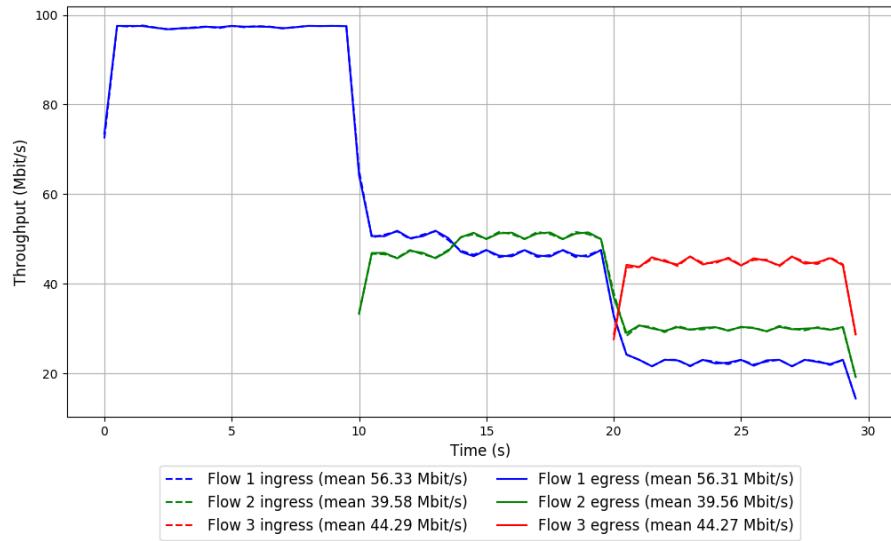


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-02 02:27:01
End at: 2018-02-02 02:27:31
Local clock offset: 4.396 ms
Remote clock offset: -20.075 ms

# Below is generated by plot.py at 2018-02-02 07:00:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 2.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 2.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 2.097 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.27 Mbit/s
95th percentile per-packet one-way delay: 3.232 ms
Loss rate: 0.01%
```

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

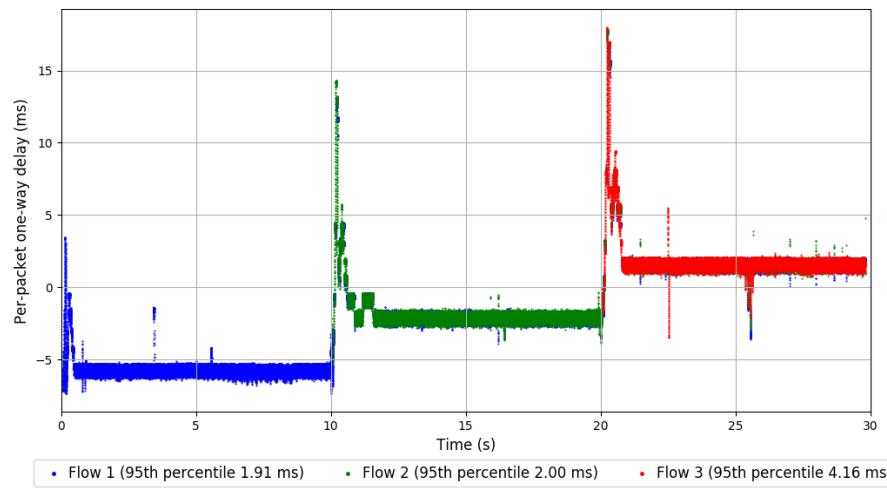
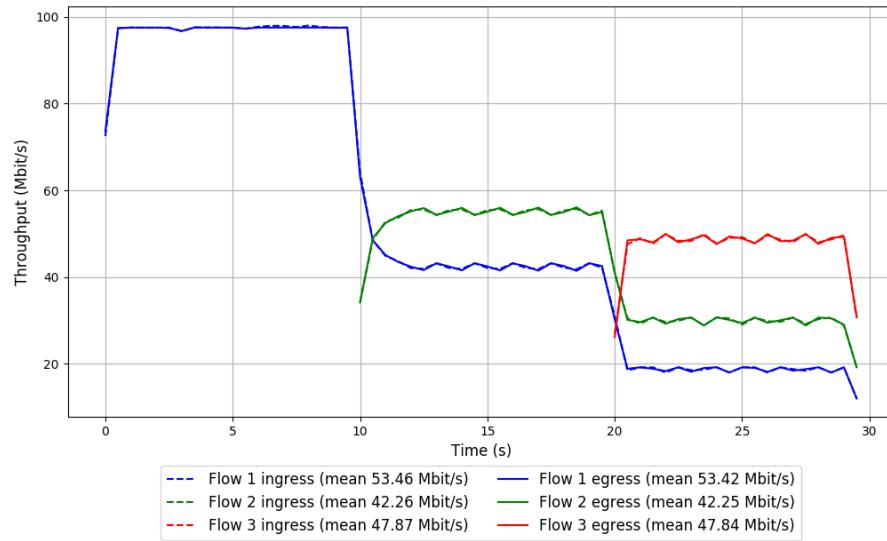


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-02 02:49:29
End at: 2018-02-02 02:49:59
Local clock offset: 3.896 ms
Remote clock offset: -21.04 ms

# Below is generated by plot.py at 2018-02-02 07:00:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 2.000 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 1.913 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 1.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 4.161 ms
Loss rate: 0.00%
```

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

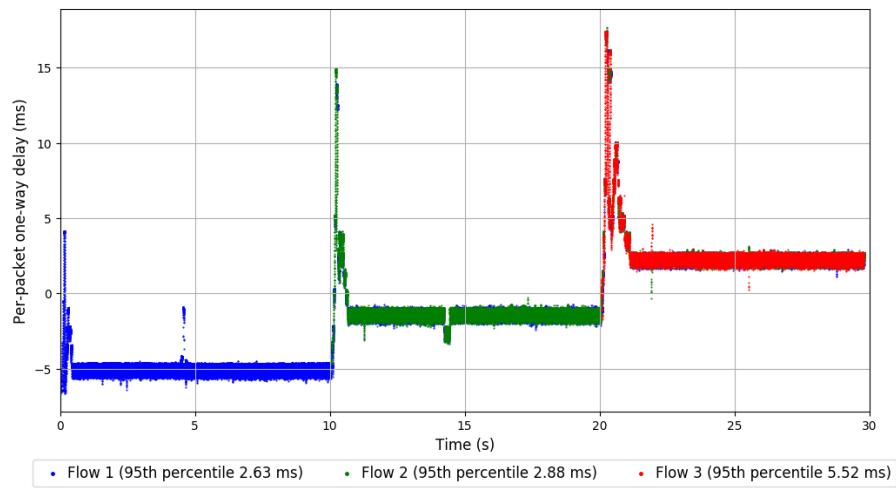
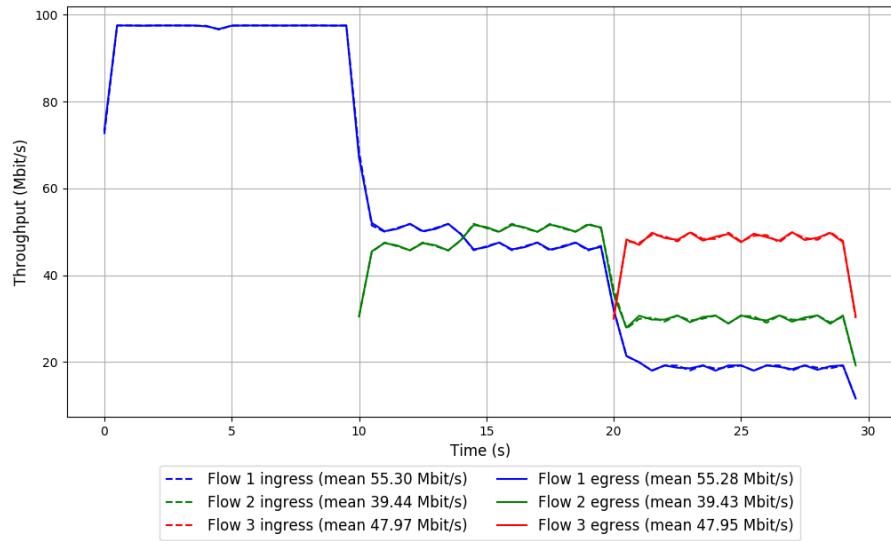


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-02 03:12:25
End at: 2018-02-02 03:12:55
Local clock offset: 4.67 ms
Remote clock offset: -19.978 ms

# Below is generated by plot.py at 2018-02-02 07:00:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 2.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 2.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.95 Mbit/s
95th percentile per-packet one-way delay: 5.520 ms
Loss rate: 0.00%
```

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

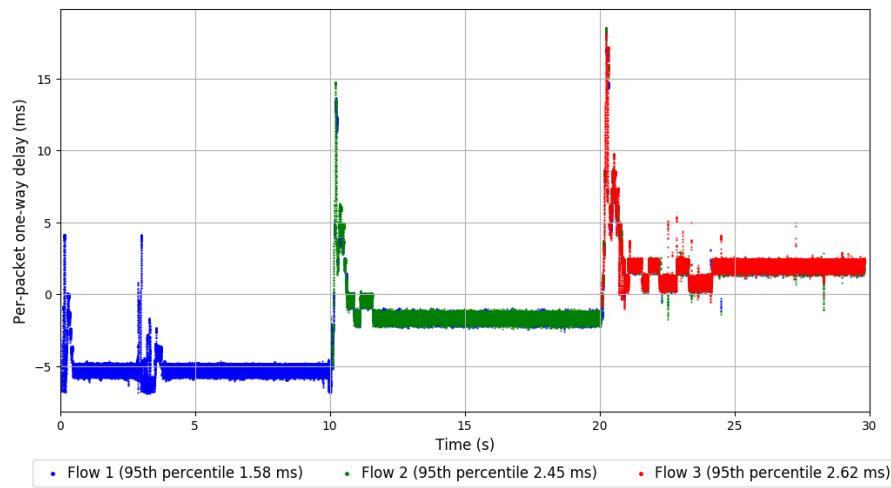
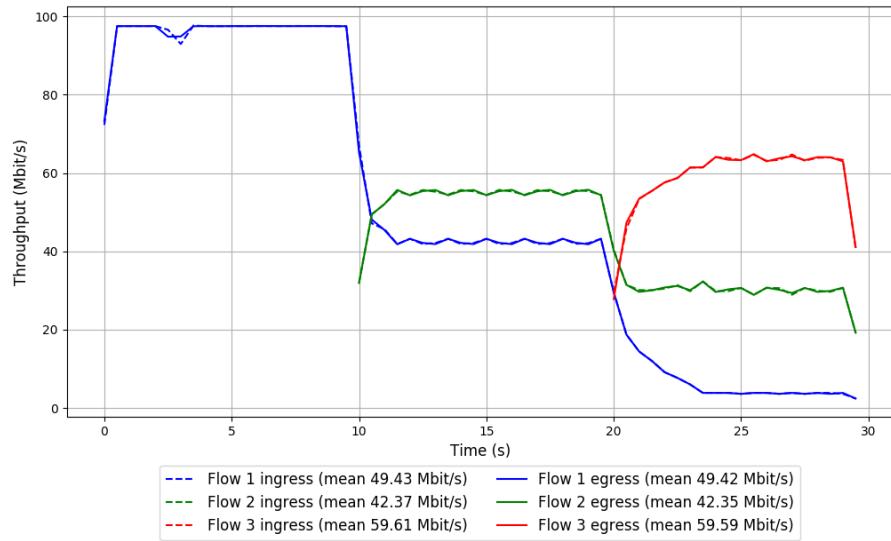


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-02 03:35:07
End at: 2018-02-02 03:35:37
Local clock offset: 5.074 ms
Remote clock offset: -23.219 ms

# Below is generated by plot.py at 2018-02-02 07:00:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 1.583 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.35 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 2.625 ms
Loss rate: 0.00%
```

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

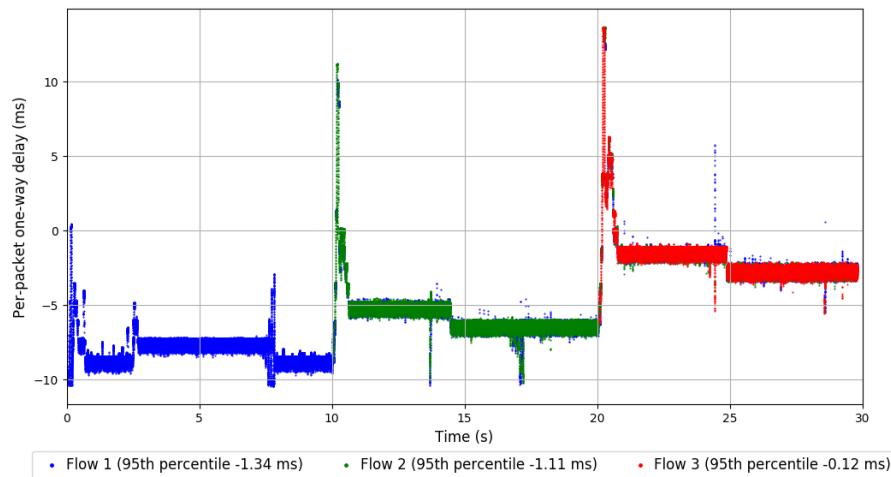
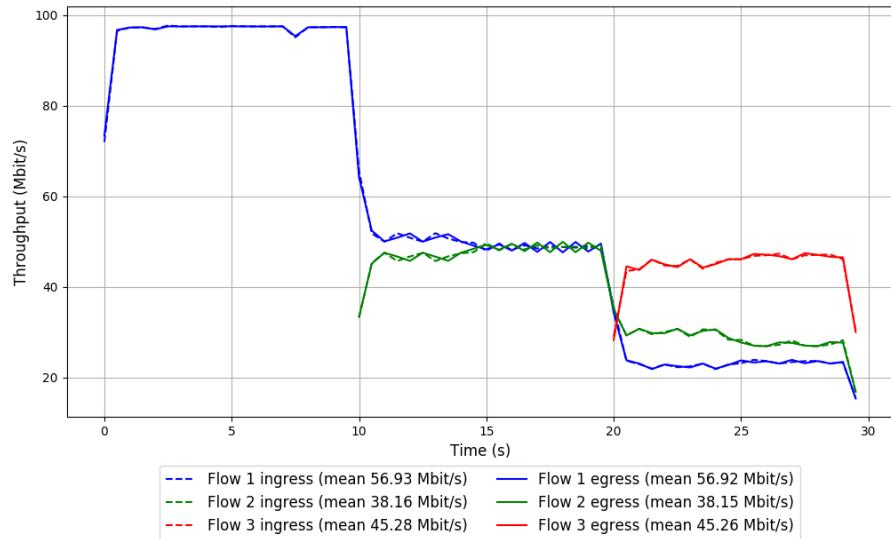


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-02 03:57:50
End at: 2018-02-02 03:58:20
Local clock offset: 3.927 ms
Remote clock offset: -26.37 ms

# Below is generated by plot.py at 2018-02-02 07:00:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: -1.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: -1.345 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: -1.114 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: -0.117 ms
Loss rate: 0.00%
```

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

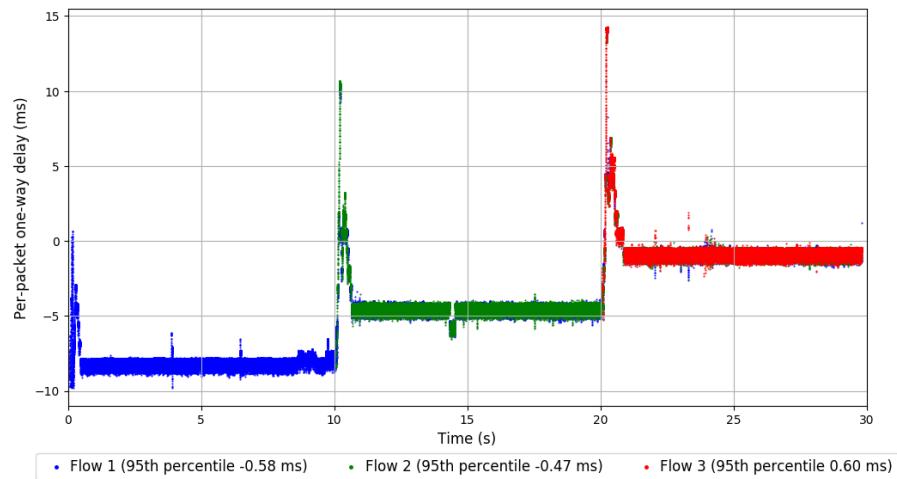
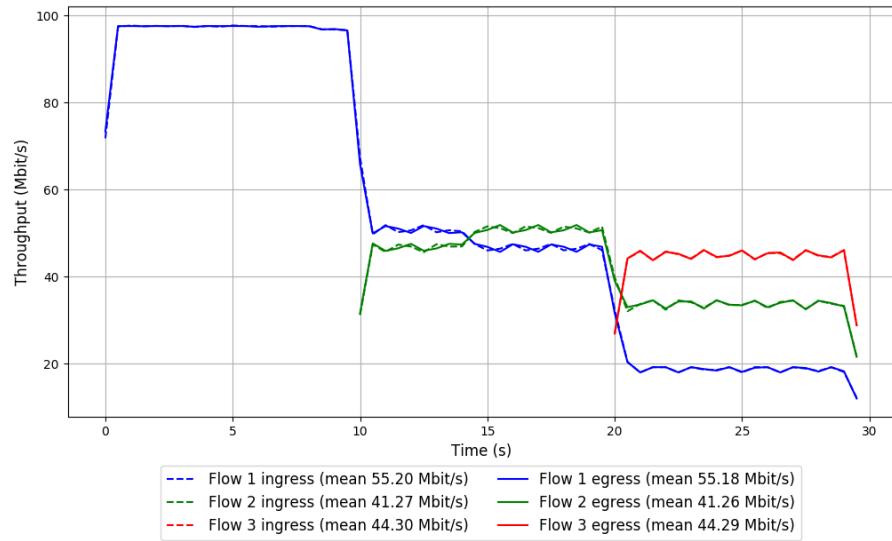


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-02 04:20:51
End at: 2018-02-02 04:21:21
Local clock offset: 3.218 ms
Remote clock offset: -27.067 ms

# Below is generated by plot.py at 2018-02-02 07:00:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: -0.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: -0.578 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: -0.467 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.29 Mbit/s
95th percentile per-packet one-way delay: 0.598 ms
Loss rate: 0.00%
```

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

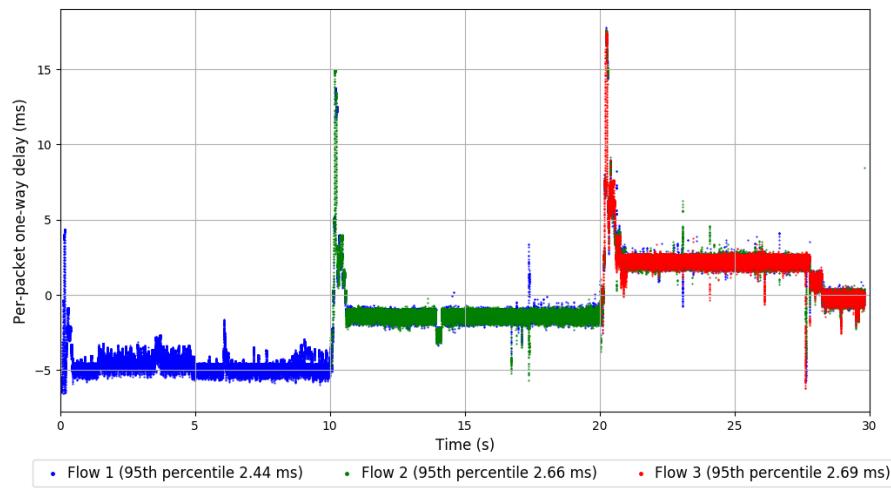
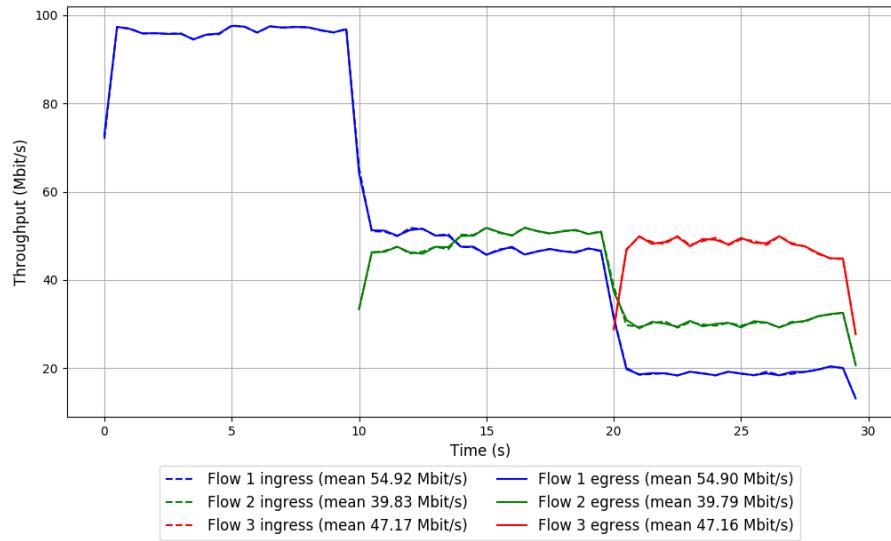


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-02 04:44:01
End at: 2018-02-02 04:44:31
Local clock offset: 0.13 ms
Remote clock offset: -21.966 ms

# Below is generated by plot.py at 2018-02-02 07:00:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 2.641 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 2.438 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 2.663 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 2.695 ms
Loss rate: 0.00%
```

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

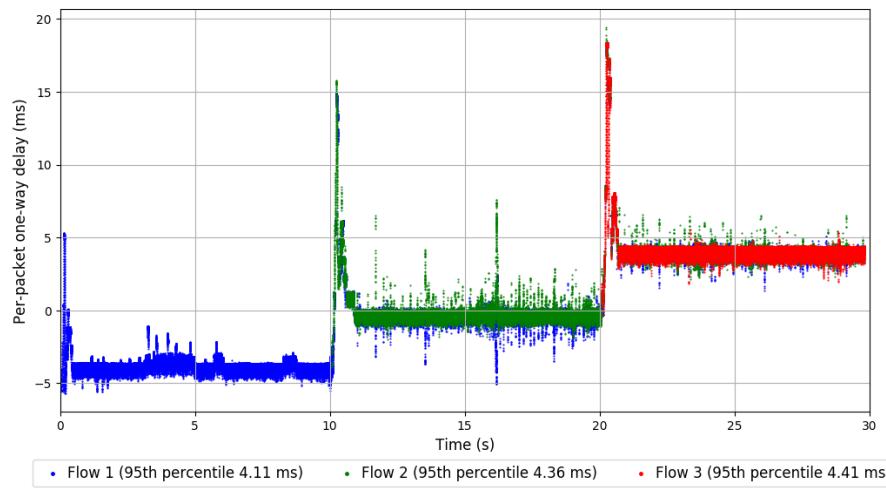
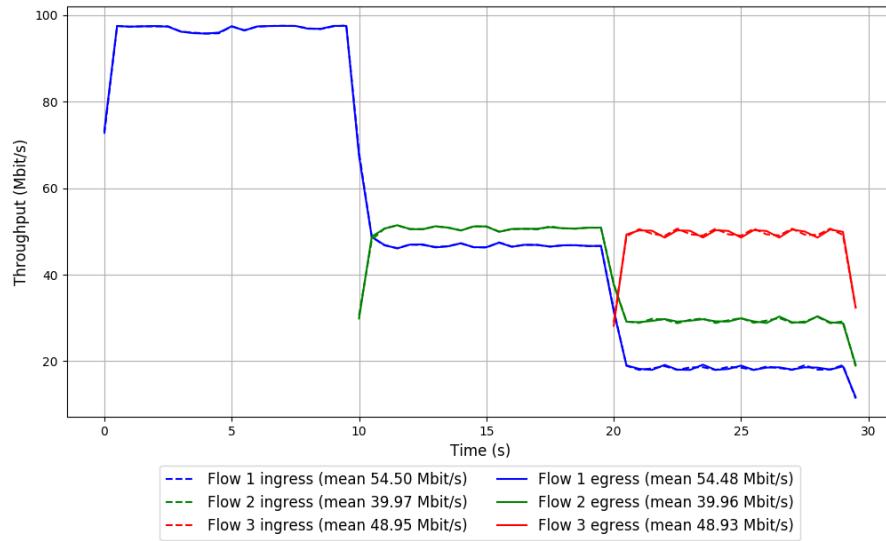


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-02 05:07:53
End at: 2018-02-02 05:08:23
Local clock offset: -1.587 ms
Remote clock offset: -19.066 ms

# Below is generated by plot.py at 2018-02-02 07:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 4.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 4.106 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 4.358 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 4.413 ms
Loss rate: 0.00%
```

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

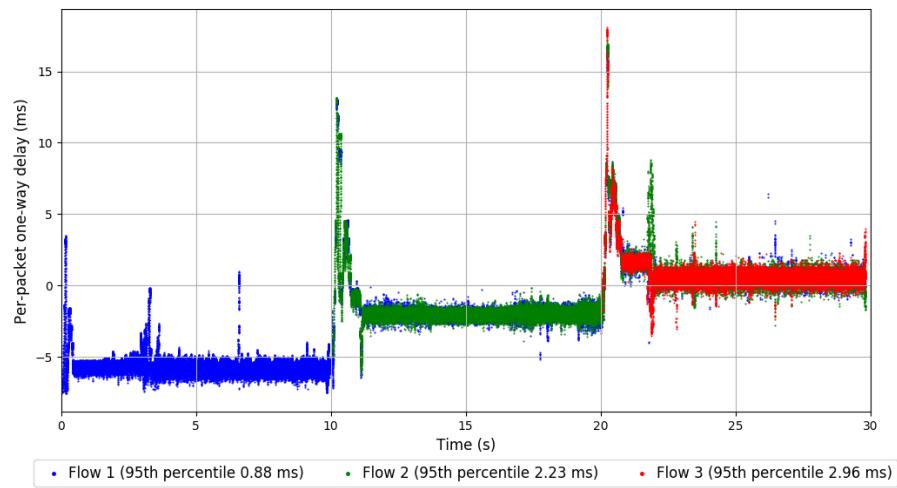
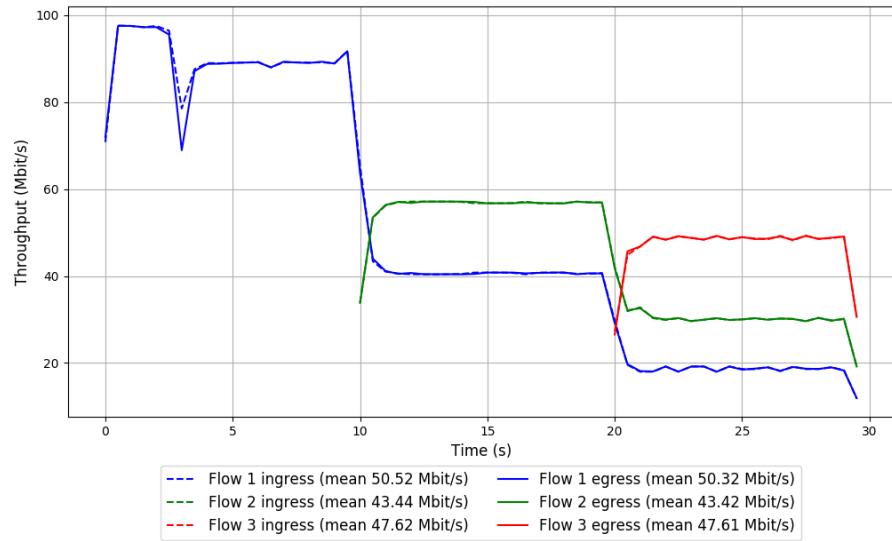


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-02 05:31:16
End at: 2018-02-02 05:31:46
Local clock offset: 5.261 ms
Remote clock offset: -17.275 ms

# Below is generated by plot.py at 2018-02-02 07:00:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 1.946 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 0.875 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 43.42 Mbit/s
95th percentile per-packet one-way delay: 2.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 2.957 ms
Loss rate: 0.00%
```

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

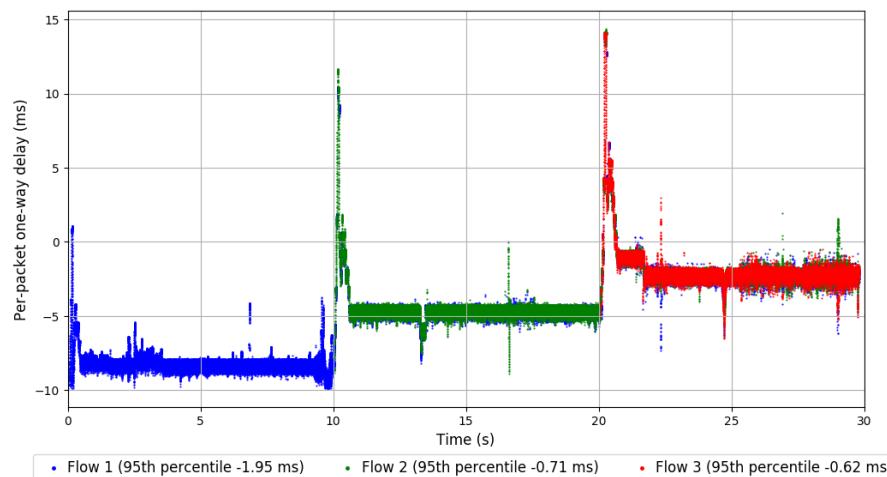
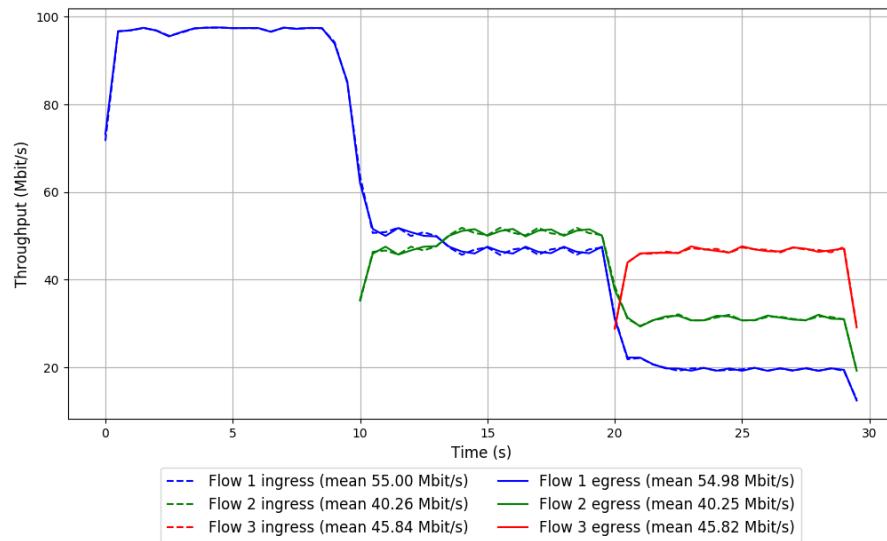


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-02 05:54:22
End at: 2018-02-02 05:54:52
Local clock offset: 6.456 ms
Remote clock offset: -21.578 ms

# Below is generated by plot.py at 2018-02-02 07:00:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: -0.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: -1.945 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: -0.708 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: -0.616 ms
Loss rate: 0.02%
```

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

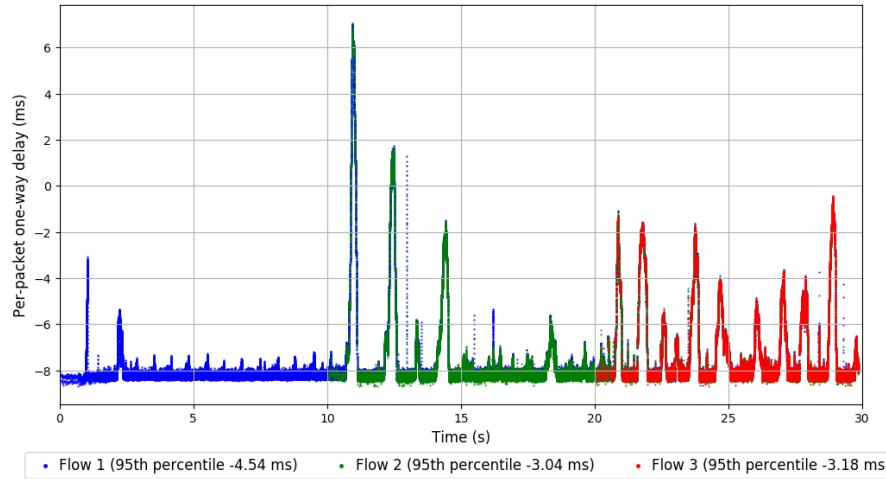
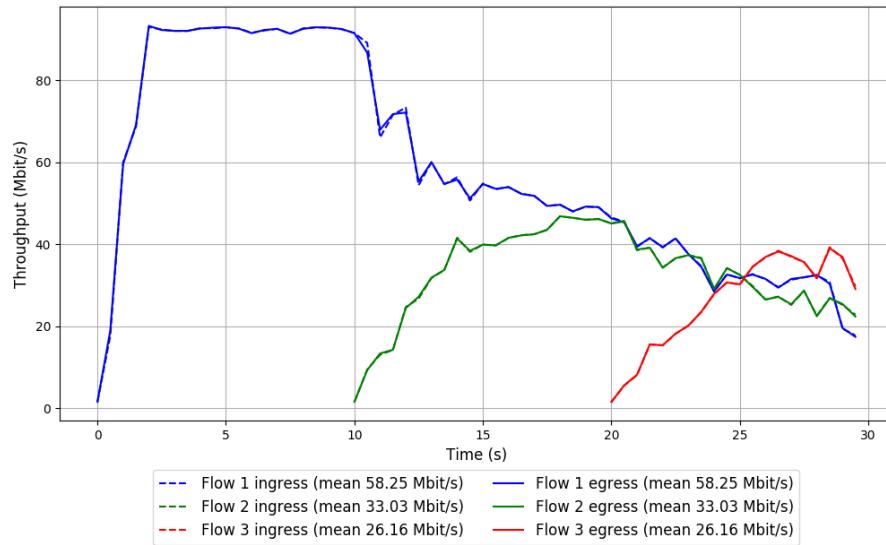


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-02 02:29:26
End at: 2018-02-02 02:29:57
Local clock offset: 4.523 ms
Remote clock offset: -21.098 ms

# Below is generated by plot.py at 2018-02-02 07:01:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: -3.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: -4.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: -3.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: -3.184 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-latency — Data Link

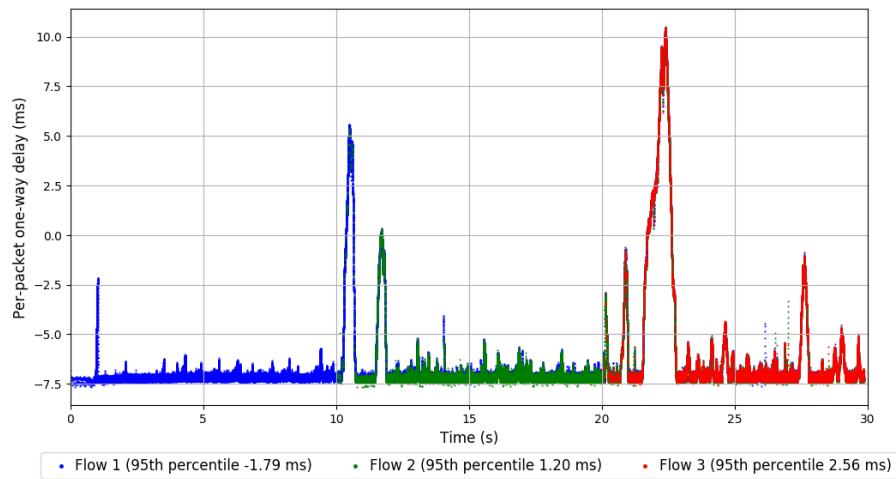
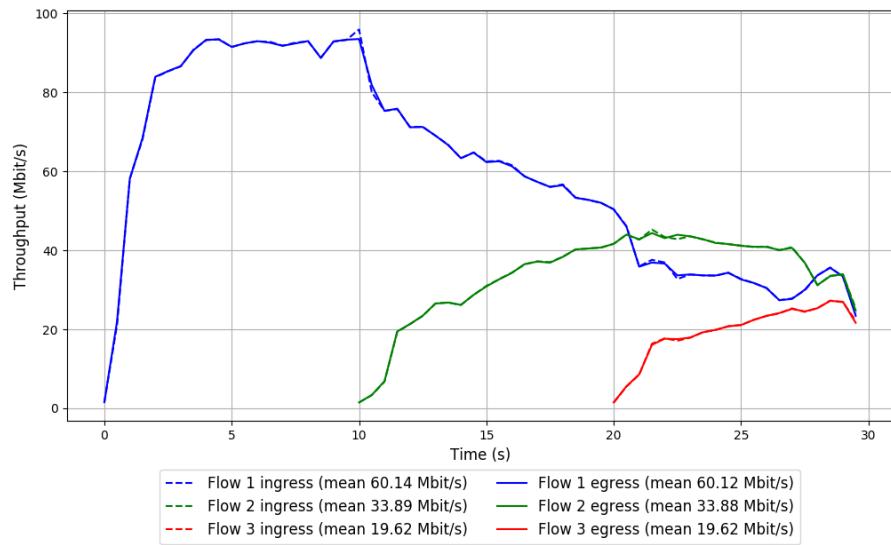


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-02 02:51:58
End at: 2018-02-02 02:52:28
Local clock offset: 4.276 ms
Remote clock offset: -20.698 ms

# Below is generated by plot.py at 2018-02-02 07:01:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: -0.838 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: -1.794 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 2.555 ms
Loss rate: 0.04%
```

Run 2: Report of Vivace-latency — Data Link

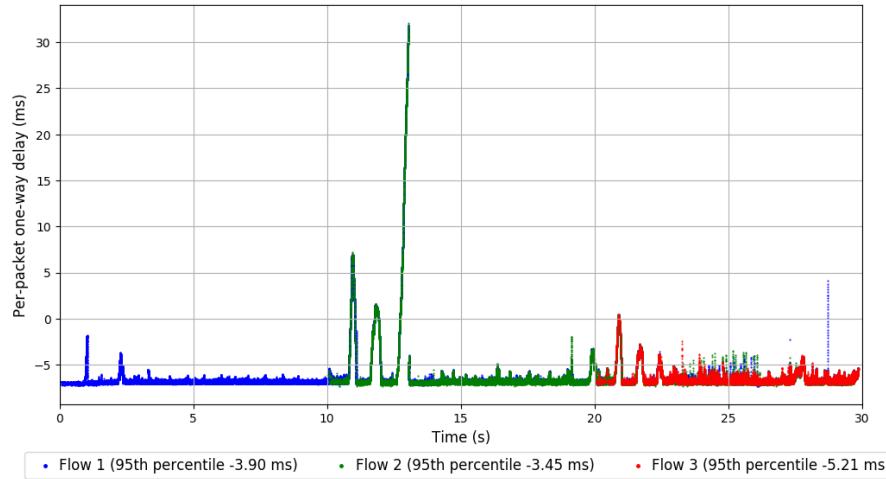
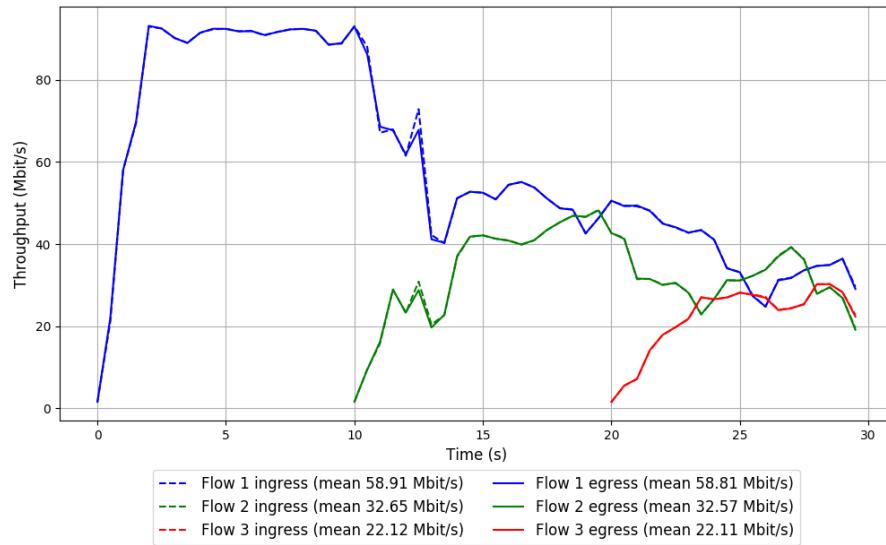


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-02 03:14:54
End at: 2018-02-02 03:15:24
Local clock offset: 5.395 ms
Remote clock offset: -19.667 ms

# Below is generated by plot.py at 2018-02-02 07:01:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: -3.924 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: -3.901 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: -3.447 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: -5.211 ms
Loss rate: 0.07%
```

Run 3: Report of Vivace-latency — Data Link

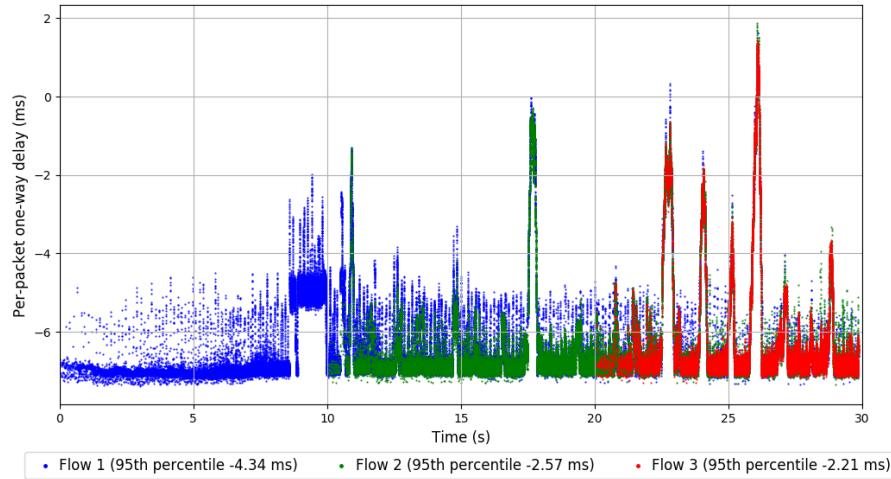
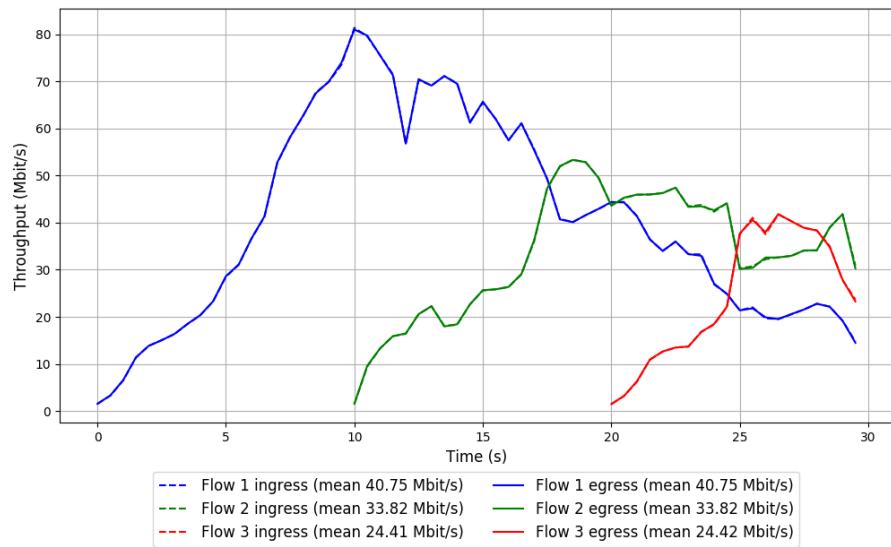


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-02 03:37:39
End at: 2018-02-02 03:38:09
Local clock offset: 6.91 ms
Remote clock offset: -21.173 ms

# Below is generated by plot.py at 2018-02-02 07:01:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: -3.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: -4.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: -2.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: -2.207 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link

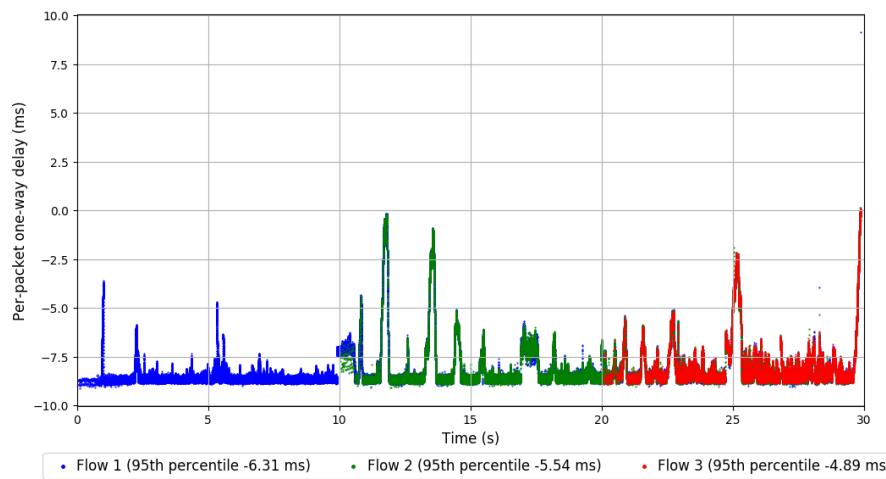
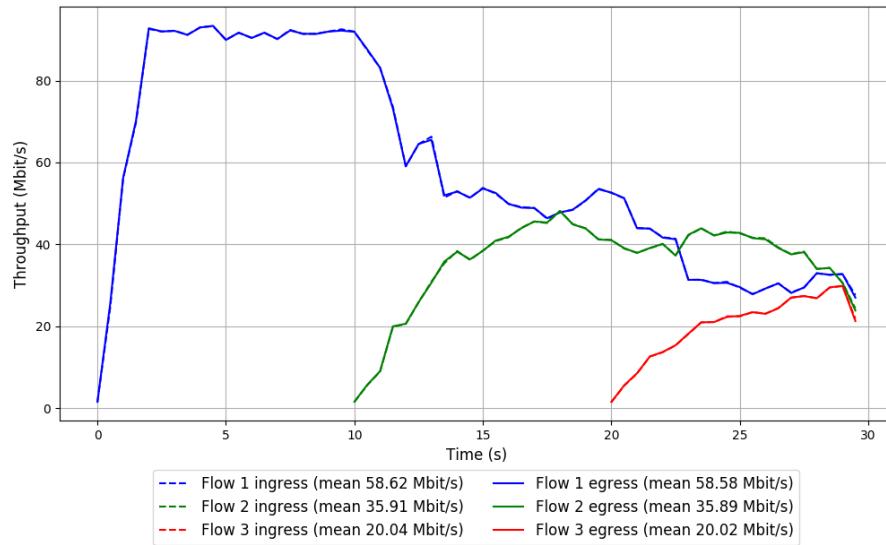


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-02 04:00:19
End at: 2018-02-02 04:00:49
Local clock offset: 4.26 ms
Remote clock offset: -24.422 ms

# Below is generated by plot.py at 2018-02-02 07:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: -6.034 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: -6.310 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: -5.537 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: -4.886 ms
Loss rate: 0.05%
```

Run 5: Report of Vivace-latency — Data Link

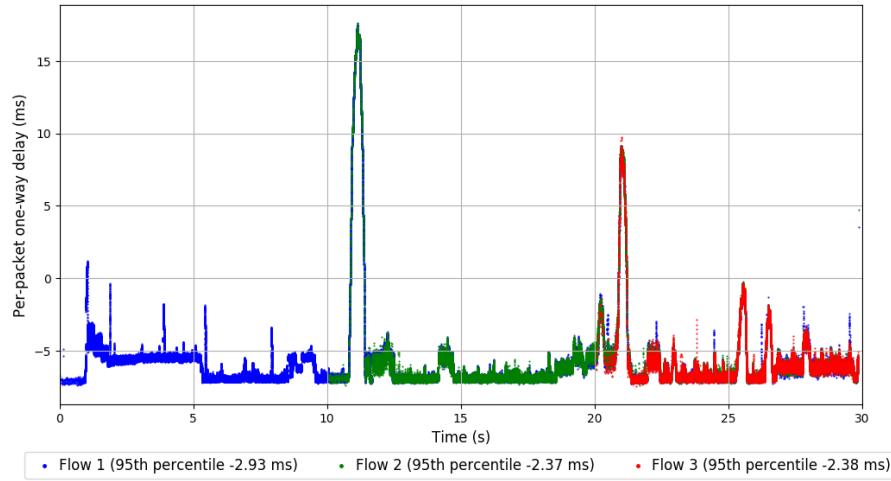
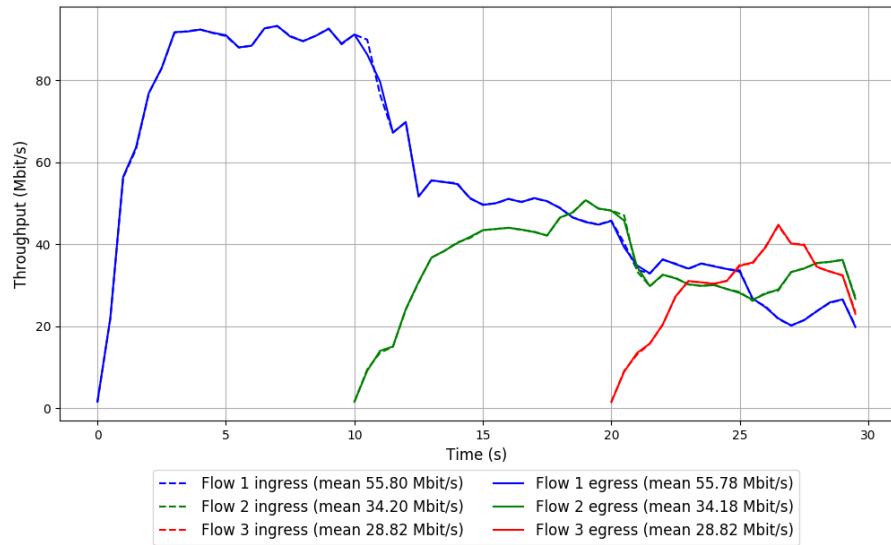


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-02 04:23:22
End at: 2018-02-02 04:23:52
Local clock offset: 4.273 ms
Remote clock offset: -23.437 ms

# Below is generated by plot.py at 2018-02-02 07:02:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: -2.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: -2.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: -2.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: -2.377 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-latency — Data Link

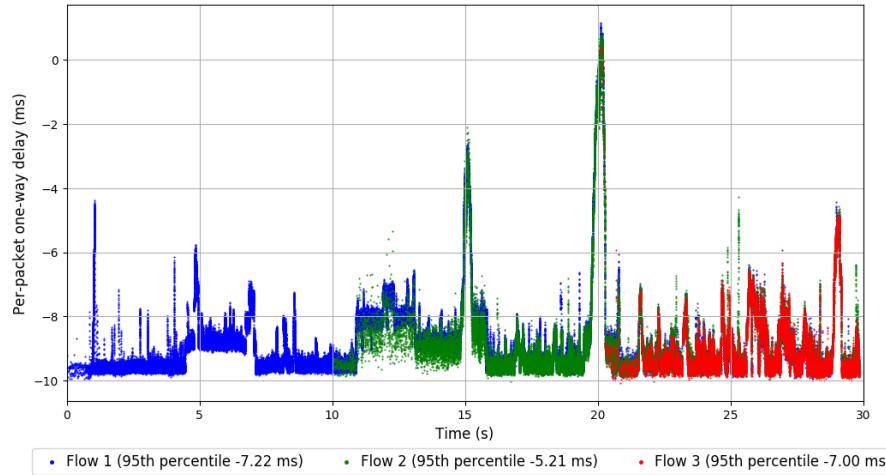
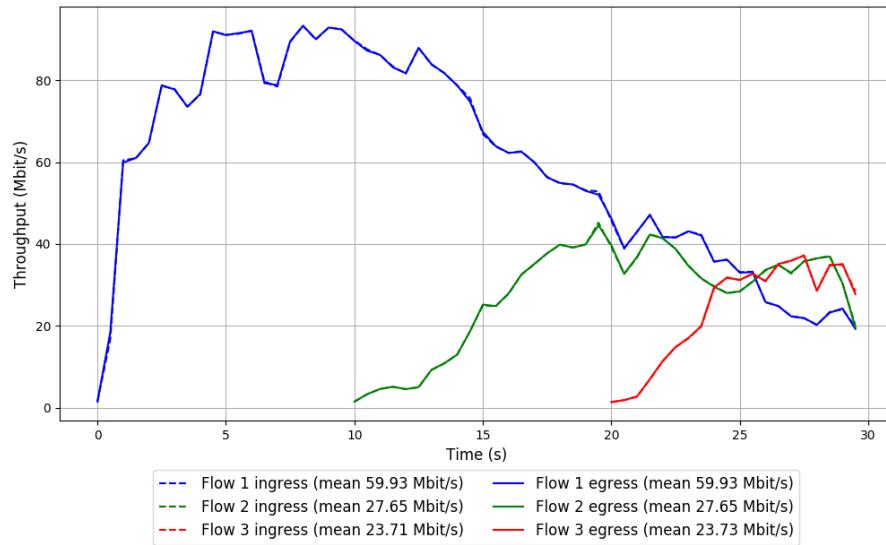


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-02 04:46:46
End at: 2018-02-02 04:47:16
Local clock offset: 3.157 ms
Remote clock offset: -21.548 ms

# Below is generated by plot.py at 2018-02-02 07:02:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: -7.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: -7.220 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: -5.209 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: -6.996 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-latency — Data Link

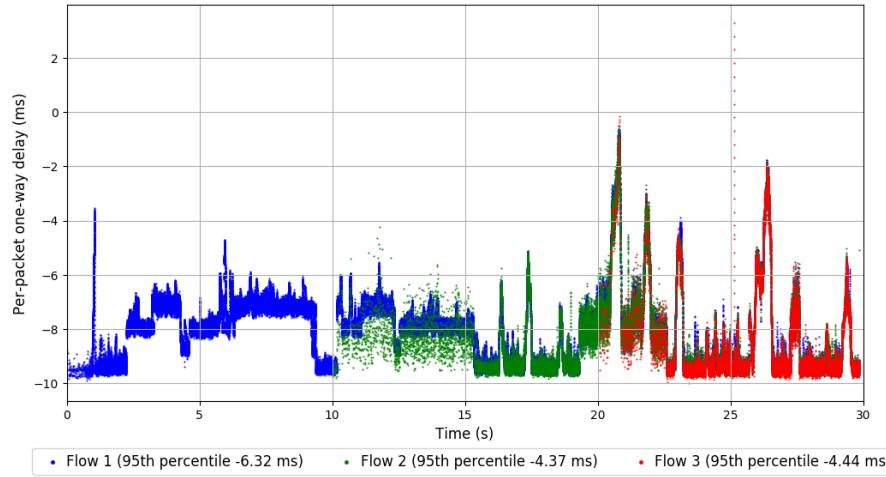
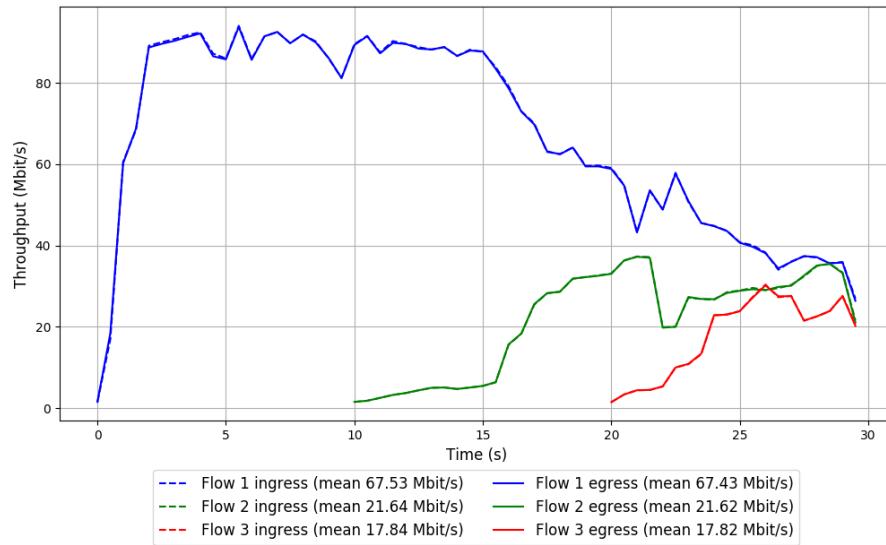


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-02 05:10:28
End at: 2018-02-02 05:10:58
Local clock offset: 1.531 ms
Remote clock offset: -19.718 ms

# Below is generated by plot.py at 2018-02-02 07:02:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: -5.831 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: -6.323 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 21.62 Mbit/s
95th percentile per-packet one-way delay: -4.366 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 17.82 Mbit/s
95th percentile per-packet one-way delay: -4.443 ms
Loss rate: 0.09%
```

Run 8: Report of Vivace-latency — Data Link

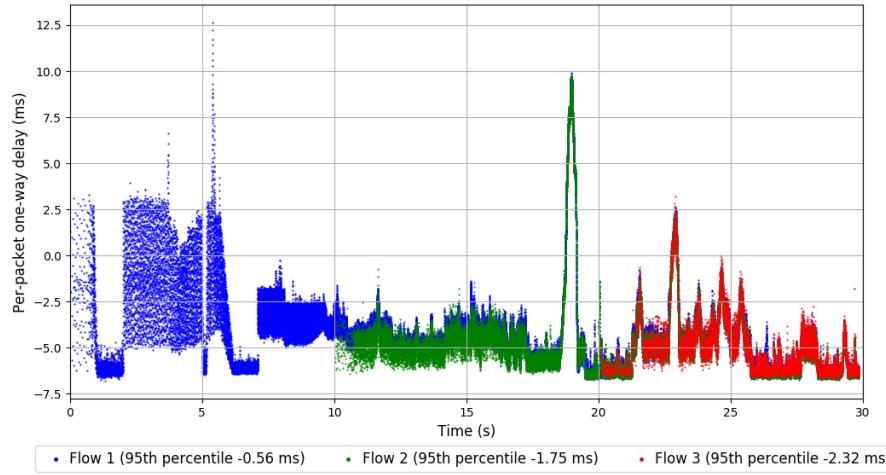
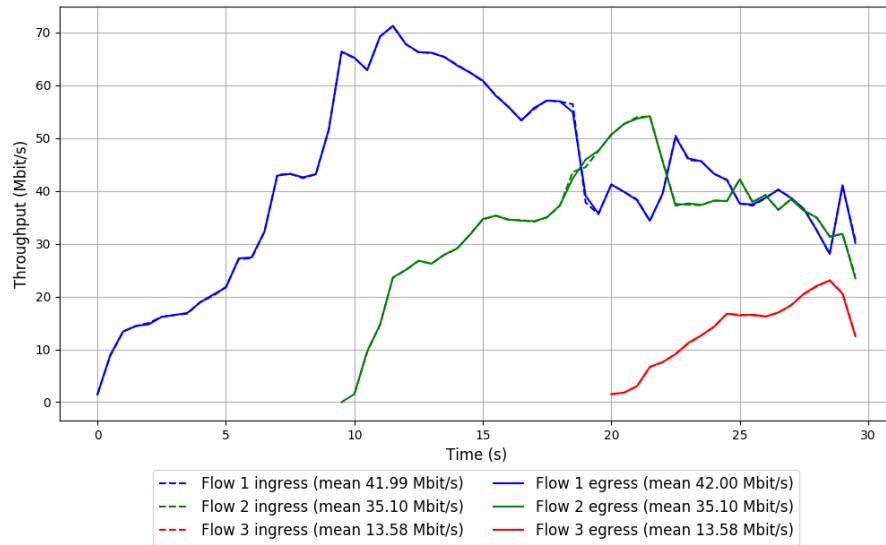


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-02 05:33:47
End at: 2018-02-02 05:34:17
Local clock offset: 3.699 ms
Remote clock offset: -18.015 ms

# Below is generated by plot.py at 2018-02-02 07:02:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: -1.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: -0.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.10 Mbit/s
95th percentile per-packet one-way delay: -1.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: -2.322 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-latency — Data Link

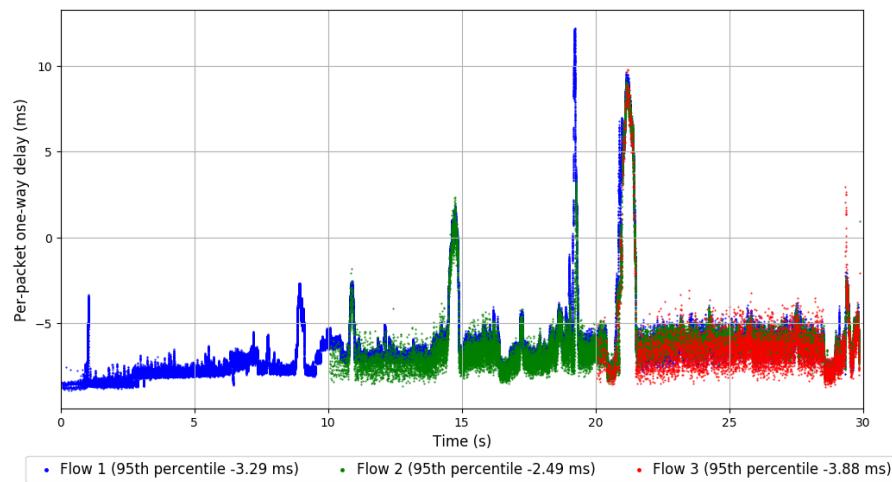
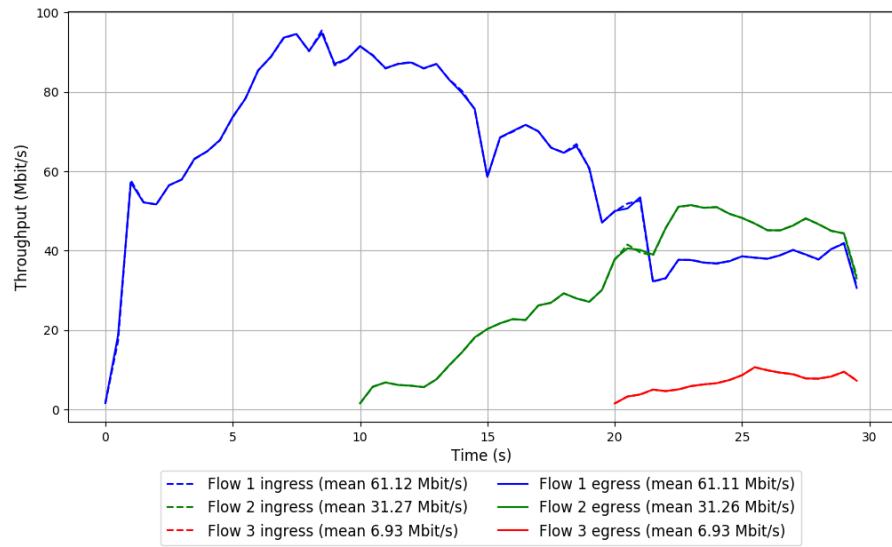


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-02 05:57:01
End at: 2018-02-02 05:57:31
Local clock offset: 5.95 ms
Remote clock offset: -20.387 ms

# Below is generated by plot.py at 2018-02-02 07:02:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: -3.174 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 61.11 Mbit/s
95th percentile per-packet one-way delay: -3.293 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: -2.486 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: -3.878 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-latency — Data Link

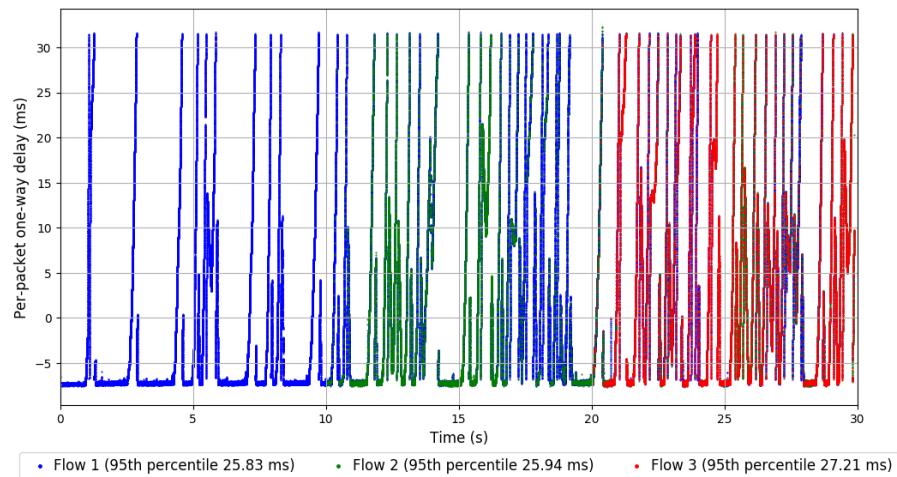
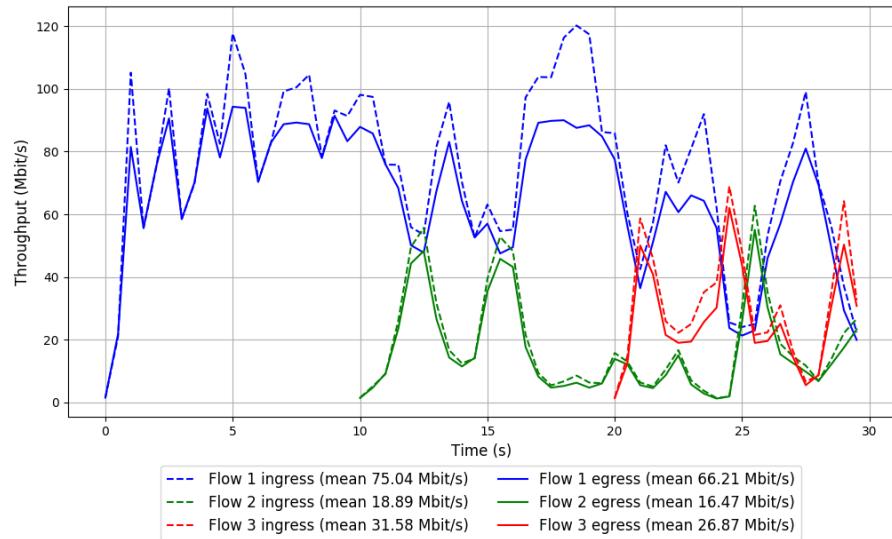


Run 1: Statistics of Vivace-loss

```
Start at: 2018-02-02 02:14:01
End at: 2018-02-02 02:14:31
Local clock offset: 4.219 ms
Remote clock offset: -20.615 ms

# Below is generated by plot.py at 2018-02-02 07:02:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 26.004 ms
Loss rate: 12.17%
-- Flow 1:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 25.827 ms
Loss rate: 11.72%
-- Flow 2:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 25.940 ms
Loss rate: 12.71%
-- Flow 3:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 27.214 ms
Loss rate: 14.78%
```

Run 1: Report of Vivace-loss — Data Link

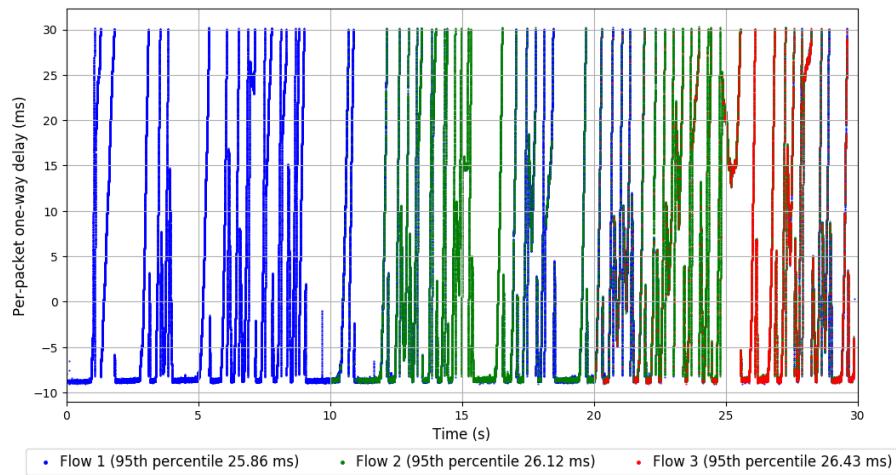
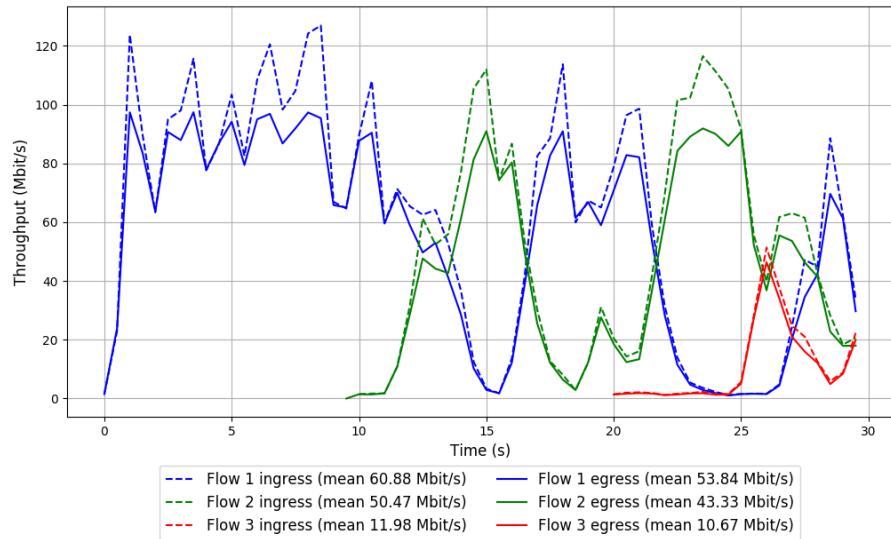


Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-02 02:36:34
End at: 2018-02-02 02:37:04
Local clock offset: 4.739 ms
Remote clock offset: -21.422 ms

# Below is generated by plot.py at 2018-02-02 07:03:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 25.964 ms
Loss rate: 12.40%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 25.855 ms
Loss rate: 11.55%
-- Flow 2:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 26.116 ms
Loss rate: 14.13%
-- Flow 3:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 26.433 ms
Loss rate: 10.88%
```

Run 2: Report of Vivace-loss — Data Link

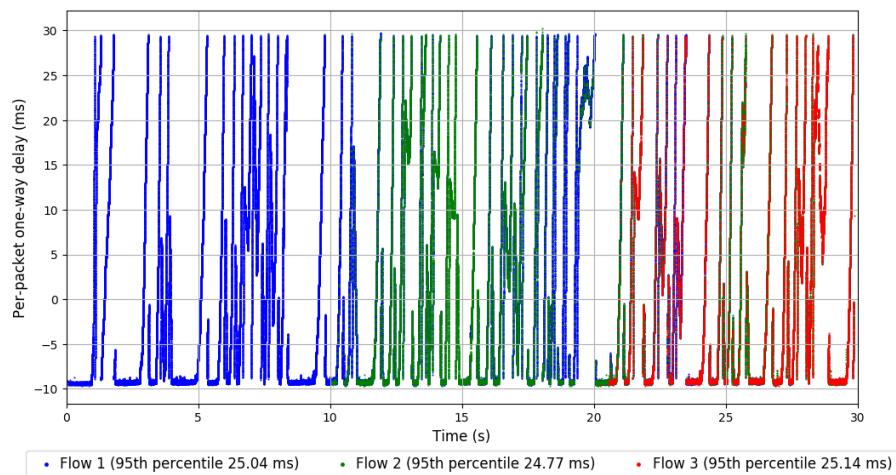
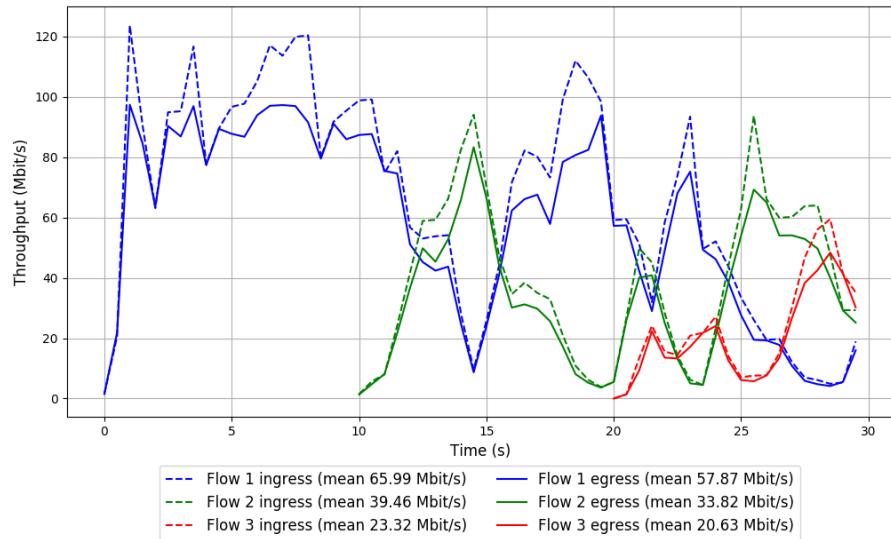


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-02 02:59:06
End at: 2018-02-02 02:59:36
Local clock offset: 6.713 ms
Remote clock offset: -20.367 ms

# Below is generated by plot.py at 2018-02-02 07:03:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 24.981 ms
Loss rate: 12.91%
-- Flow 1:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 25.038 ms
Loss rate: 12.29%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 24.769 ms
Loss rate: 14.25%
-- Flow 3:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 25.142 ms
Loss rate: 13.72%
```

Run 3: Report of Vivace-loss — Data Link

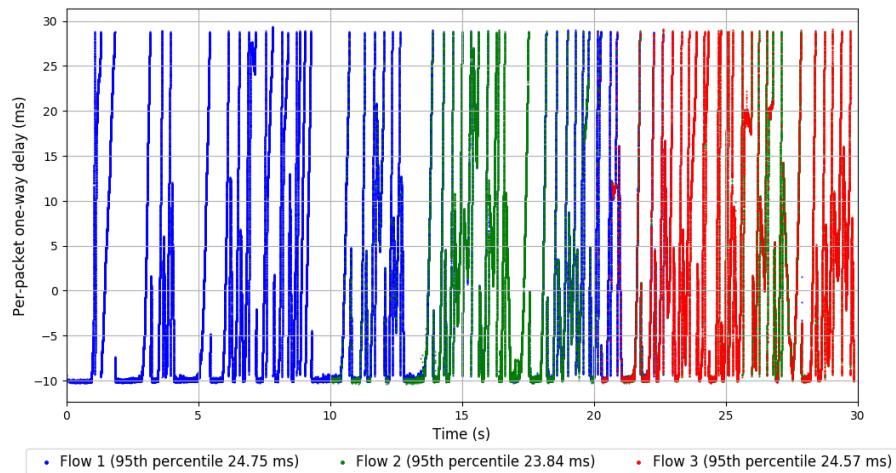
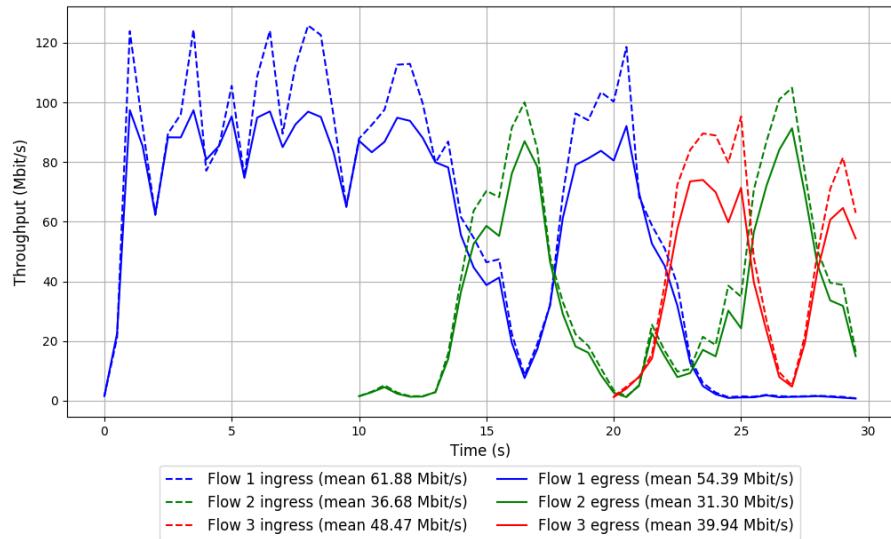


Run 4: Statistics of Vivace-loss

```
Start at: 2018-02-02 03:22:05
End at: 2018-02-02 03:22:35
Local clock offset: 7.438 ms
Remote clock offset: -21.886 ms

# Below is generated by plot.py at 2018-02-02 07:03:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 24.539 ms
Loss rate: 13.58%
-- Flow 1:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 24.749 ms
Loss rate: 12.10%
-- Flow 2:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 23.837 ms
Loss rate: 14.69%
-- Flow 3:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 24.575 ms
Loss rate: 17.64%
```

Run 4: Report of Vivace-loss — Data Link

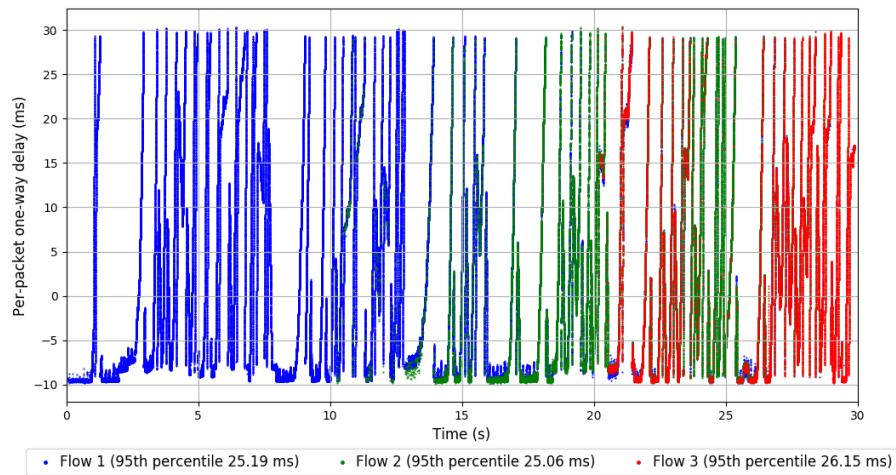
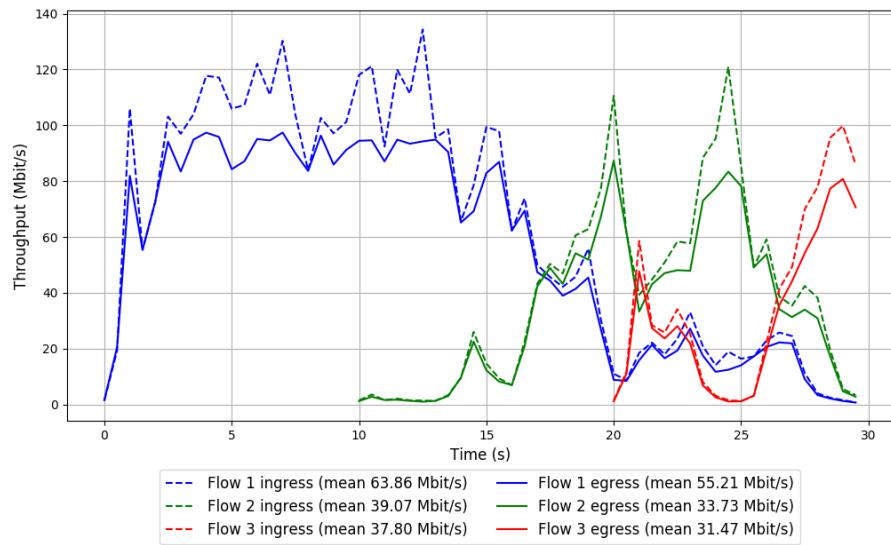


Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-02 03:44:40
End at: 2018-02-02 03:45:10
Local clock offset: 5.738 ms
Remote clock offset: -24.207 ms

# Below is generated by plot.py at 2018-02-02 07:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 25.291 ms
Loss rate: 13.86%
-- Flow 1:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 25.192 ms
Loss rate: 13.46%
-- Flow 2:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 25.056 ms
Loss rate: 13.56%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 26.148 ms
Loss rate: 16.57%
```

Run 5: Report of Vivace-loss — Data Link

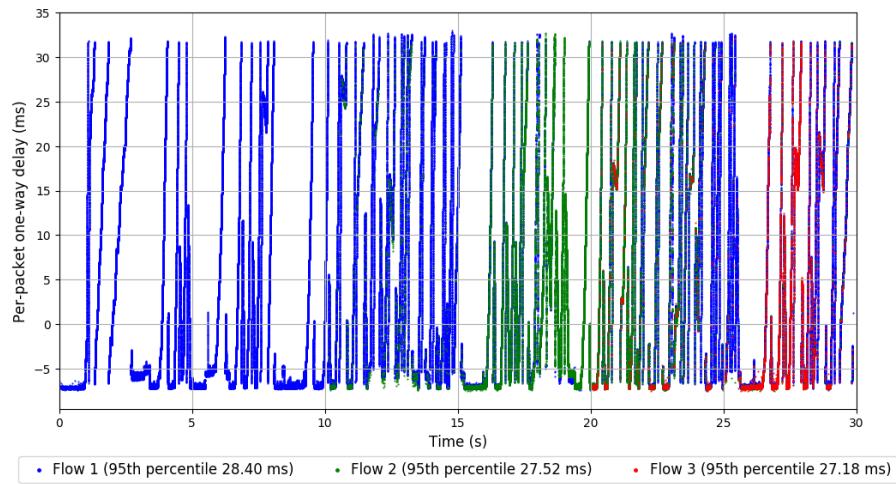
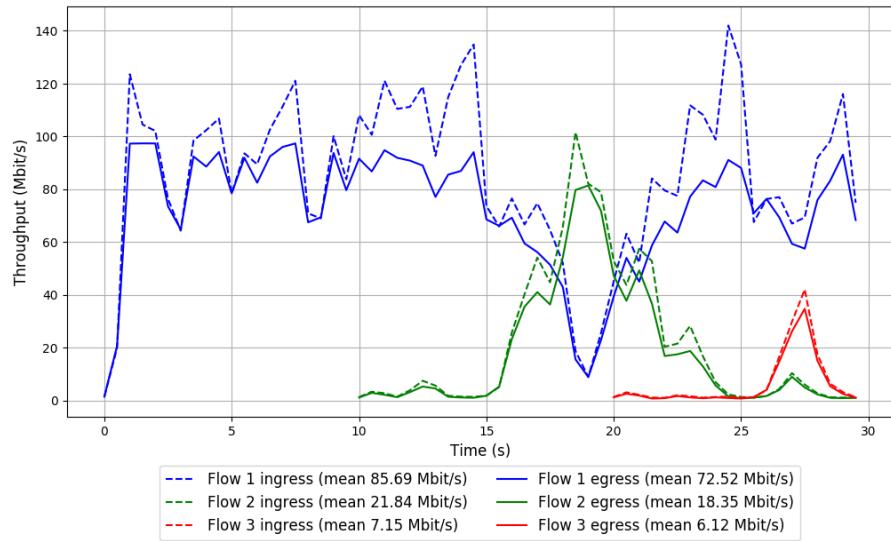


Run 6: Statistics of Vivace-loss

```
Start at: 2018-02-02 04:07:35
End at: 2018-02-02 04:08:05
Local clock offset: 1.815 ms
Remote clock offset: -25.216 ms

# Below is generated by plot.py at 2018-02-02 07:03:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 28.251 ms
Loss rate: 15.42%
-- Flow 1:
Average throughput: 72.52 Mbit/s
95th percentile per-packet one-way delay: 28.400 ms
Loss rate: 15.35%
-- Flow 2:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 27.516 ms
Loss rate: 16.03%
-- Flow 3:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 27.184 ms
Loss rate: 14.44%
```

Run 6: Report of Vivace-loss — Data Link

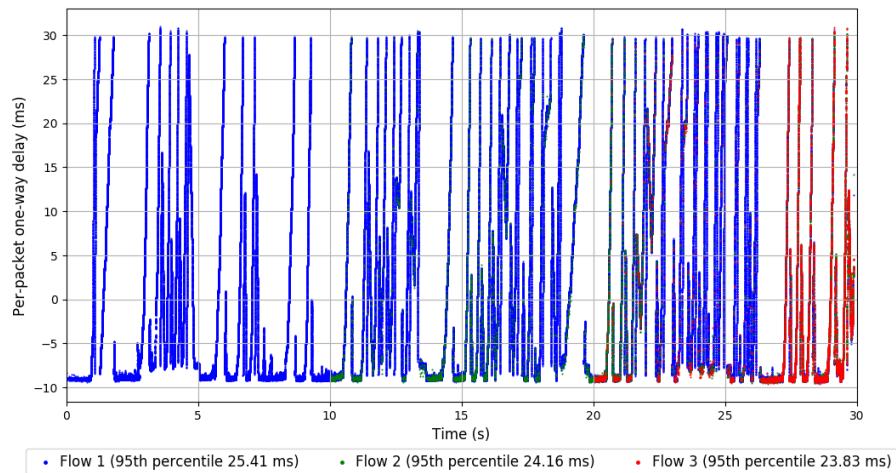
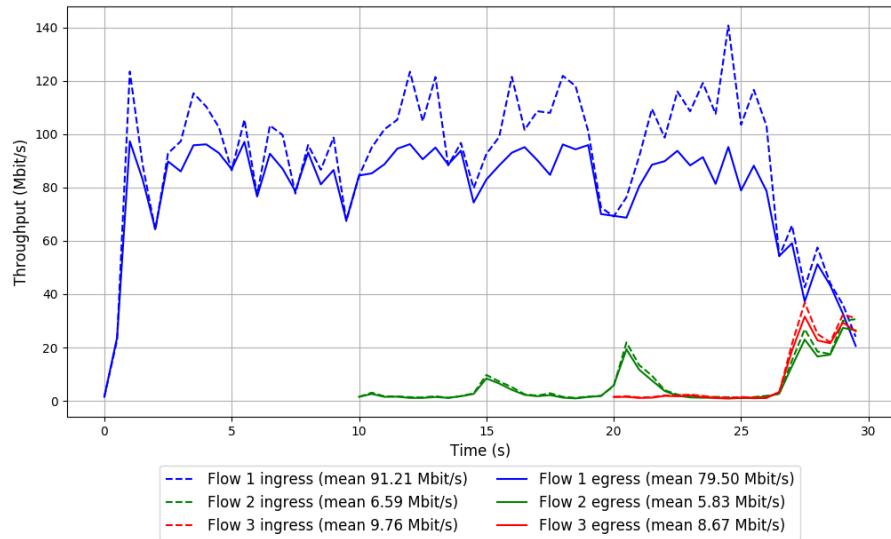


Run 7: Statistics of Vivace-loss

```
Start at: 2018-02-02 04:30:32
End at: 2018-02-02 04:31:02
Local clock offset: 4.197 ms
Remote clock offset: -23.953 ms

# Below is generated by plot.py at 2018-02-02 07:03:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 25.332 ms
Loss rate: 12.67%
-- Flow 1:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 25.405 ms
Loss rate: 12.78%
-- Flow 2:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 24.157 ms
Loss rate: 11.50%
-- Flow 3:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 23.831 ms
Loss rate: 11.12%
```

Run 7: Report of Vivace-loss — Data Link

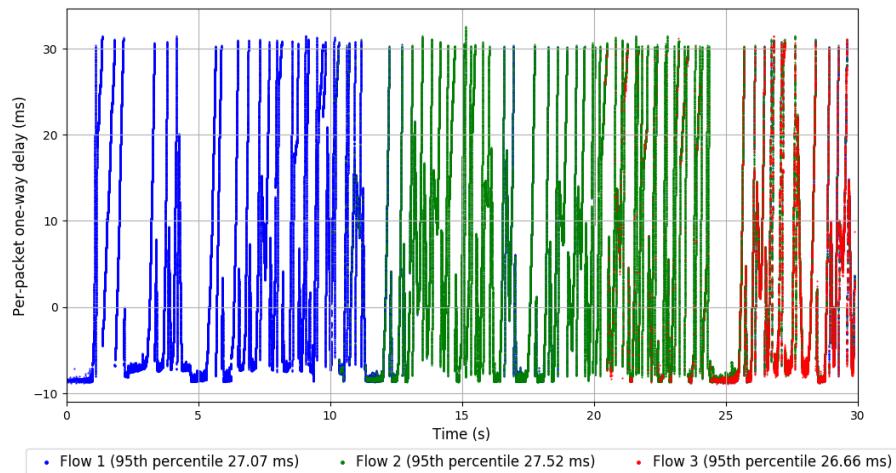
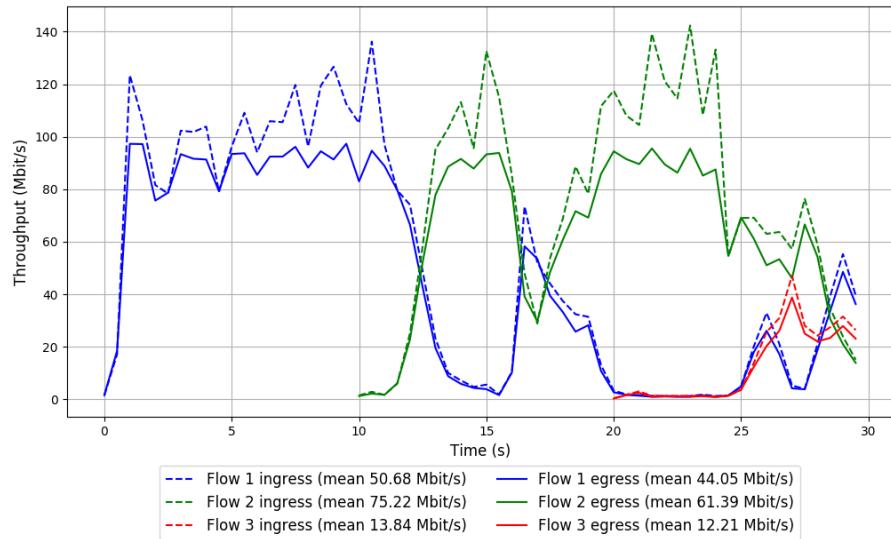


Run 8: Statistics of Vivace-loss

```
Start at: 2018-02-02 04:54:17
End at: 2018-02-02 04:54:47
Local clock offset: 1.363 ms
Remote clock offset: -20.984 ms

# Below is generated by plot.py at 2018-02-02 07:03:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 27.247 ms
Loss rate: 15.62%
-- Flow 1:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 27.069 ms
Loss rate: 13.05%
-- Flow 2:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 27.520 ms
Loss rate: 18.35%
-- Flow 3:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 26.664 ms
Loss rate: 14.16%
```

Run 8: Report of Vivace-loss — Data Link

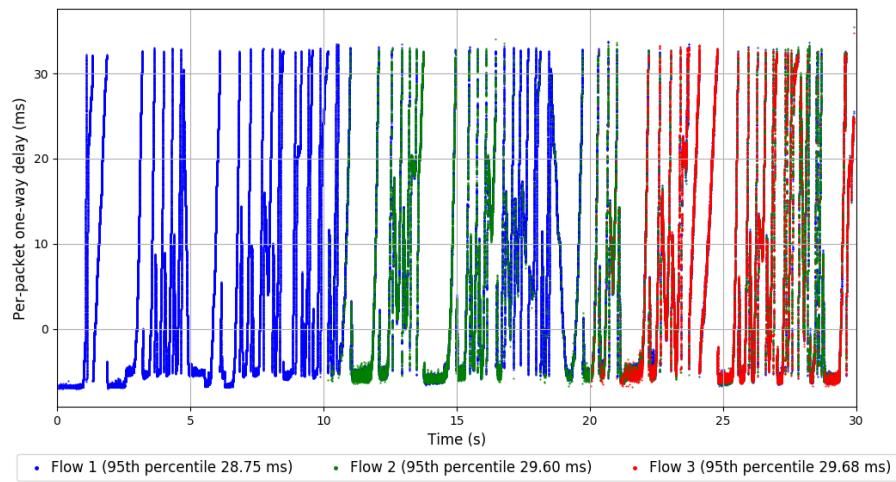
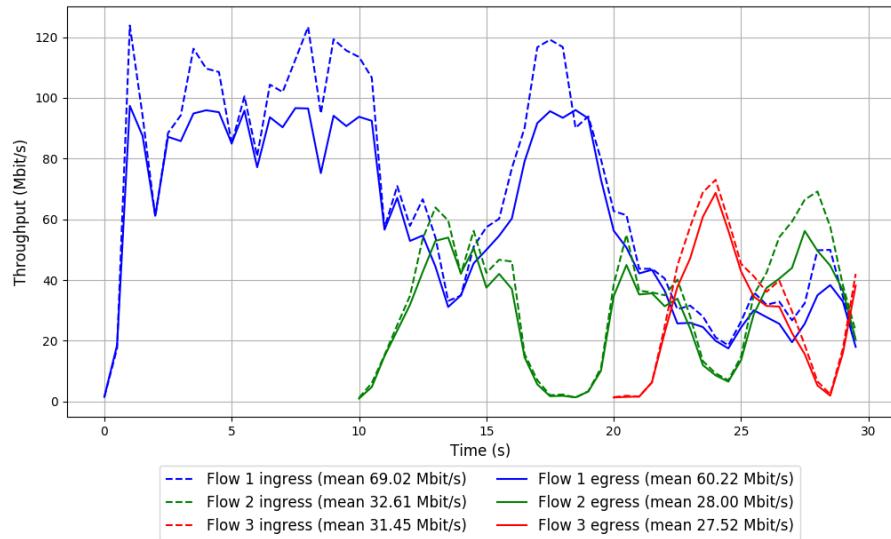


Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-02 05:17:54
End at: 2018-02-02 05:18:24
Local clock offset: -0.5 ms
Remote clock offset: -18.839 ms

# Below is generated by plot.py at 2018-02-02 07:04:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.90 Mbit/s
95th percentile per-packet one-way delay: 29.025 ms
Loss rate: 12.92%
-- Flow 1:
Average throughput: 60.22 Mbit/s
95th percentile per-packet one-way delay: 28.752 ms
Loss rate: 12.65%
-- Flow 2:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 29.596 ms
Loss rate: 14.12%
-- Flow 3:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 29.680 ms
Loss rate: 12.17%
```

Run 9: Report of Vivace-loss — Data Link

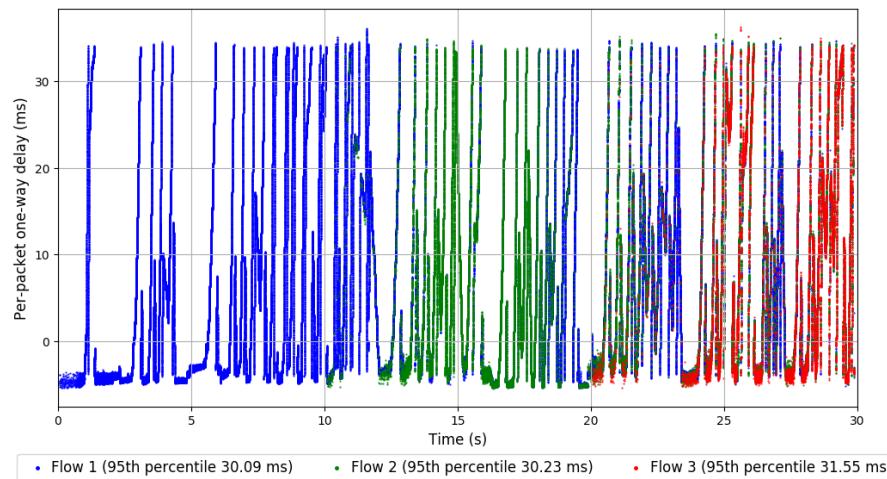
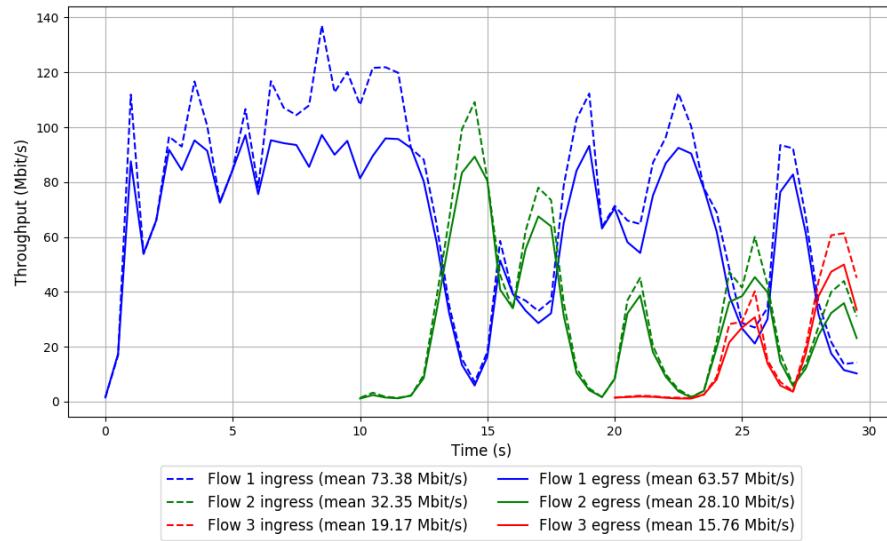


Run 10: Statistics of Vivace-loss

```
Start at: 2018-02-02 05:40:58
End at: 2018-02-02 05:41:28
Local clock offset: 3.863 ms
Remote clock offset: -18.564 ms

# Below is generated by plot.py at 2018-02-02 07:04:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 30.302 ms
Loss rate: 13.60%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 30.095 ms
Loss rate: 13.33%
-- Flow 2:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 30.234 ms
Loss rate: 13.29%
-- Flow 3:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 31.554 ms
Loss rate: 17.81%
```

Run 10: Report of Vivace-loss — Data Link

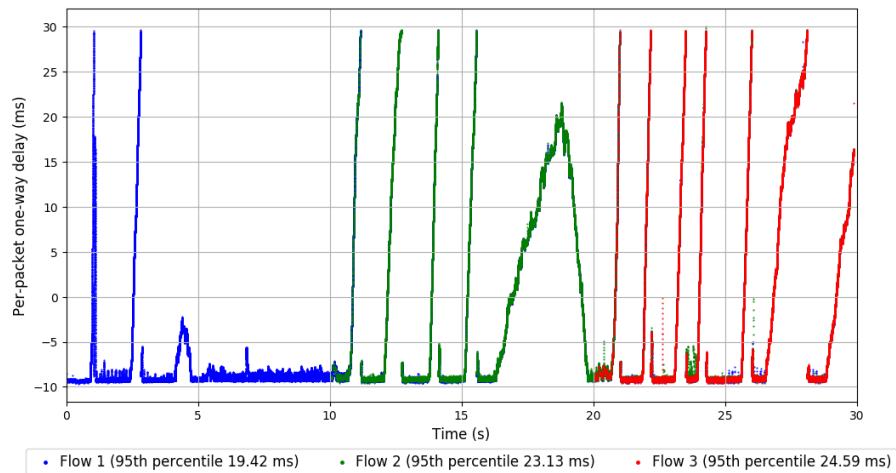
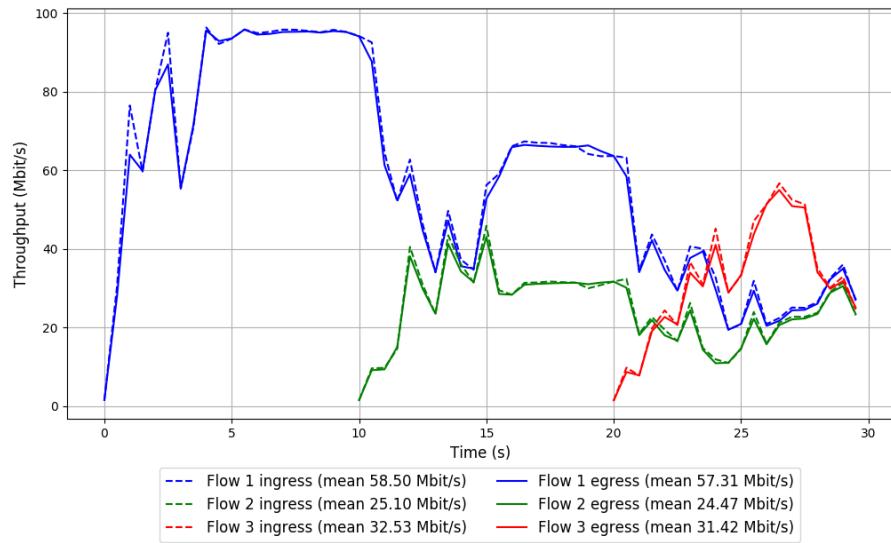


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-02 02:30:39
End at: 2018-02-02 02:31:09
Local clock offset: 5.828 ms
Remote clock offset: -20.686 ms

# Below is generated by plot.py at 2018-02-02 07:04:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.96 Mbit/s
95th percentile per-packet one-way delay: 21.659 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 19.419 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 23.133 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 24.590 ms
Loss rate: 3.10%
```

Run 1: Report of Vivace-LTE — Data Link

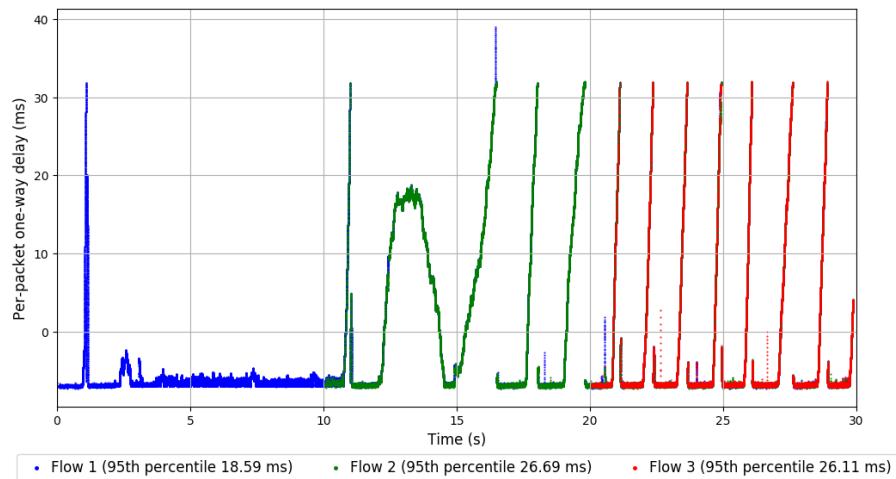
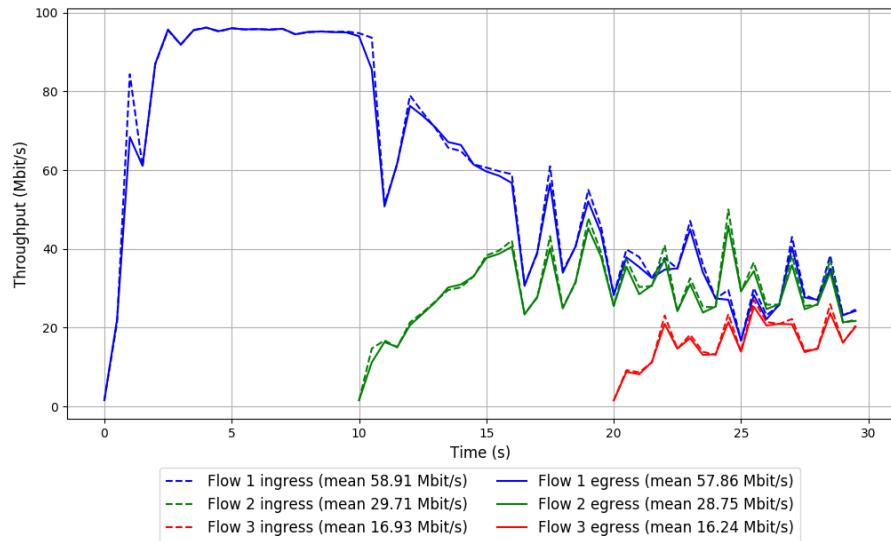


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-02 02:53:11
End at: 2018-02-02 02:53:41
Local clock offset: 5.528 ms
Remote clock offset: -19.035 ms

# Below is generated by plot.py at 2018-02-02 07:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 22.238 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 18.595 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 26.690 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 16.24 Mbit/s
95th percentile per-packet one-way delay: 26.108 ms
Loss rate: 3.96%
```

Run 2: Report of Vivace-LTE — Data Link

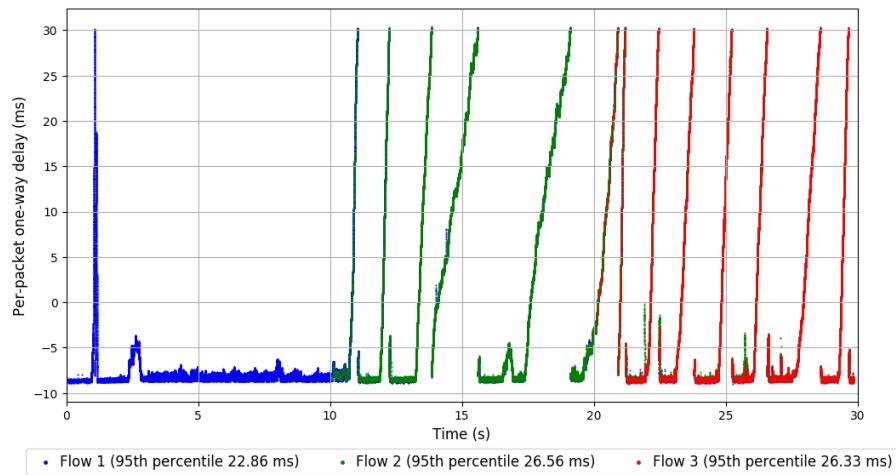
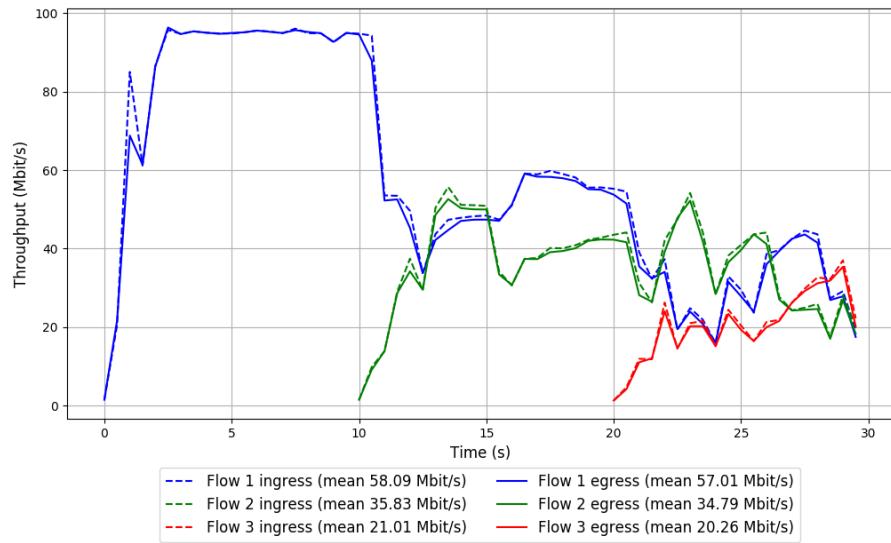


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-02 03:16:06
End at: 2018-02-02 03:16:36
Local clock offset: 6.608 ms
Remote clock offset: -20.023 ms

# Below is generated by plot.py at 2018-02-02 07:05:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 24.735 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 22.858 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 26.563 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 26.330 ms
Loss rate: 3.67%
```

Run 3: Report of Vivace-LTE — Data Link

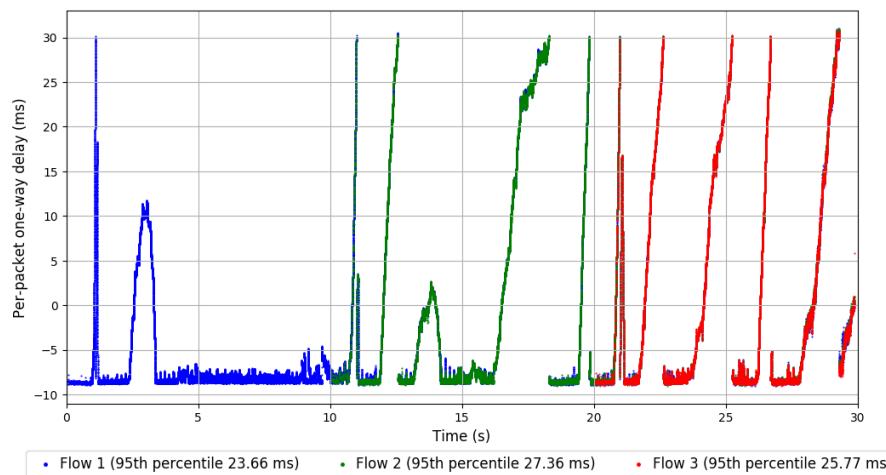
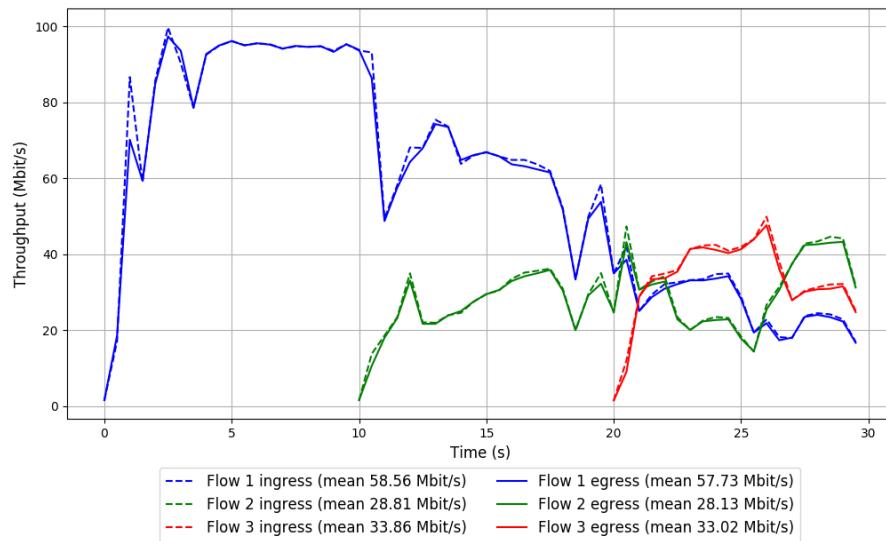


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-02 03:38:50
End at: 2018-02-02 03:39:20
Local clock offset: 6.688 ms
Remote clock offset: -22.893 ms

# Below is generated by plot.py at 2018-02-02 07:05:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 25.075 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 57.73 Mbit/s
95th percentile per-packet one-way delay: 23.658 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 27.361 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 25.767 ms
Loss rate: 2.35%
```

Run 4: Report of Vivace-LTE — Data Link

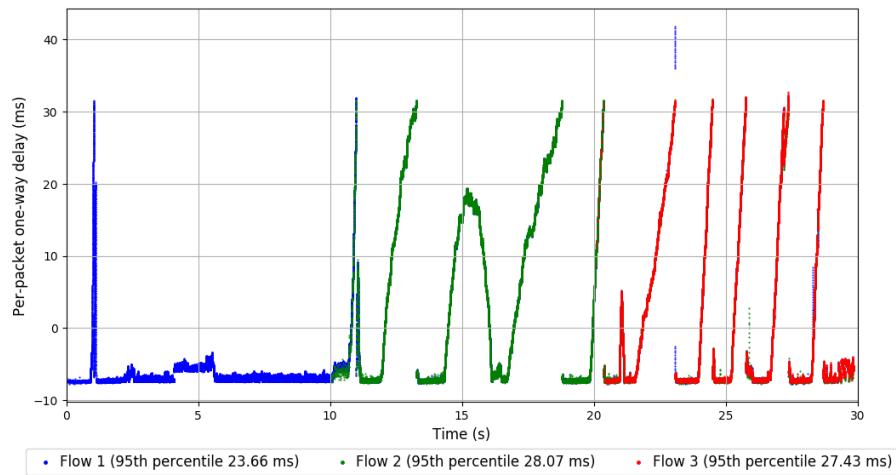
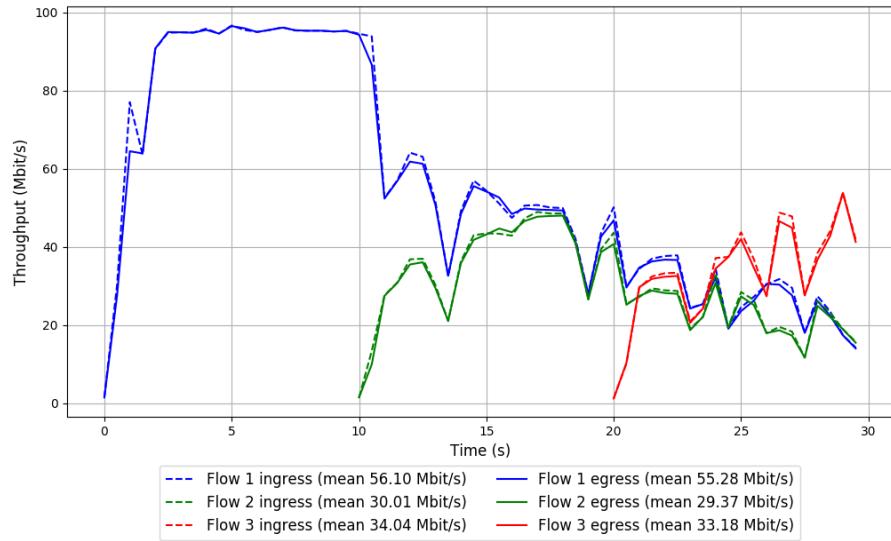


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-02 04:01:35
End at: 2018-02-02 04:02:05
Local clock offset: 2.682 ms
Remote clock offset: -24.583 ms

# Below is generated by plot.py at 2018-02-02 07:05:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 25.752 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 23.657 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 28.068 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 27.435 ms
Loss rate: 2.61%
```

Run 5: Report of Vivace-LTE — Data Link

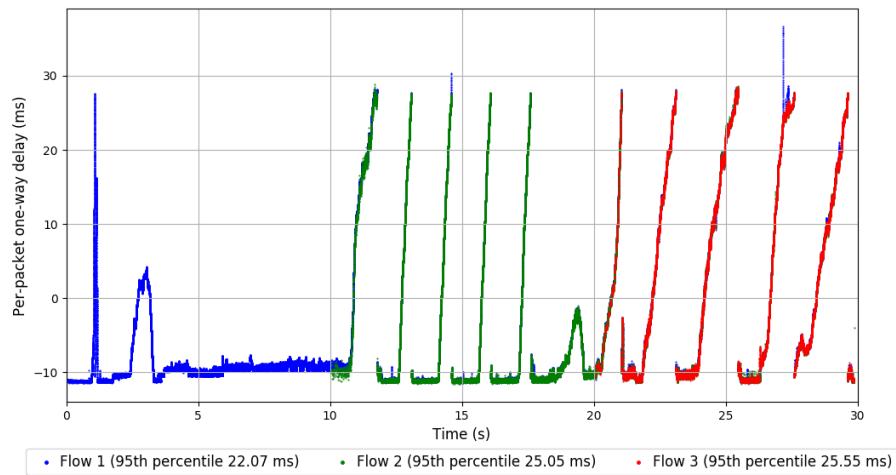
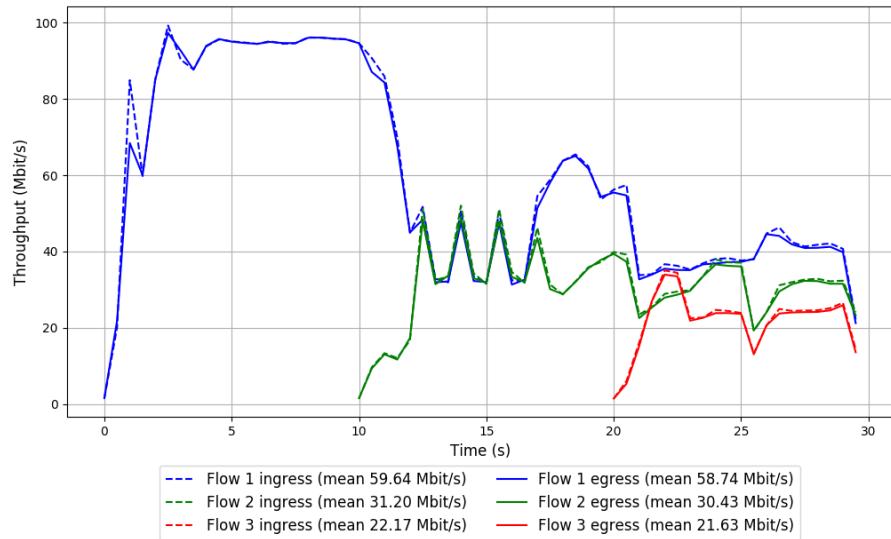


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-02 04:24:34
End at: 2018-02-02 04:25:04
Local clock offset: 4.128 ms
Remote clock offset: -27.74 ms

# Below is generated by plot.py at 2018-02-02 07:05:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 24.217 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 22.070 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 25.047 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 21.63 Mbit/s
95th percentile per-packet one-way delay: 25.554 ms
Loss rate: 2.43%
```

Run 6: Report of Vivace-LTE — Data Link

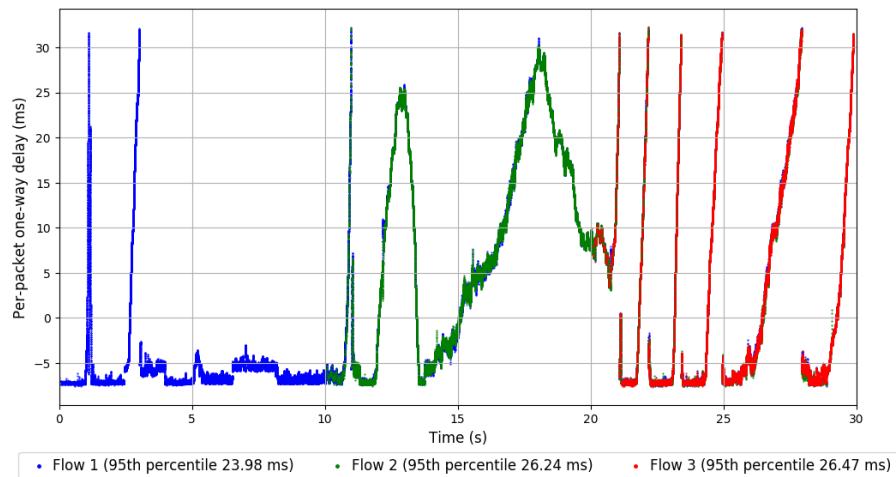
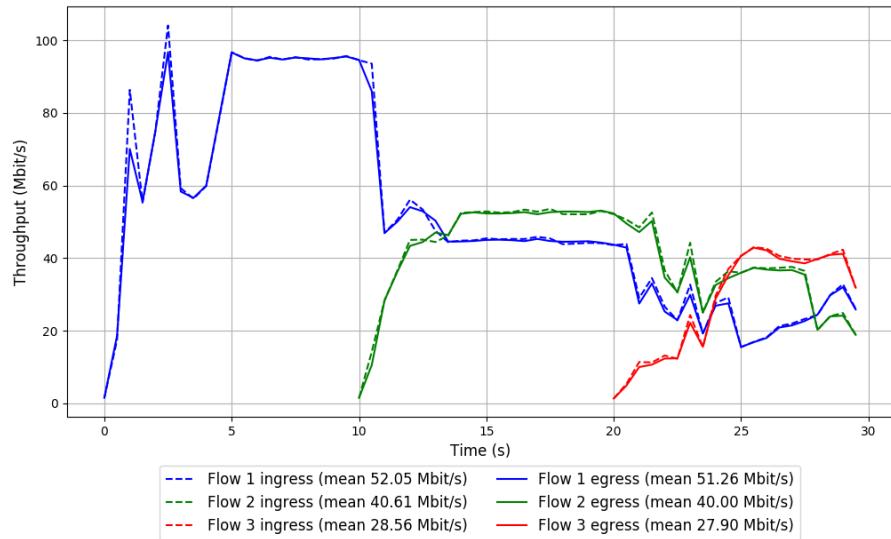


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-02 04:48:03
End at: 2018-02-02 04:48:33
Local clock offset: 0.044 ms
Remote clock offset: -21.929 ms

# Below is generated by plot.py at 2018-02-02 07:05:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 25.018 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: 23.977 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 26.241 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 26.469 ms
Loss rate: 2.16%
```

Run 7: Report of Vivace-LTE — Data Link

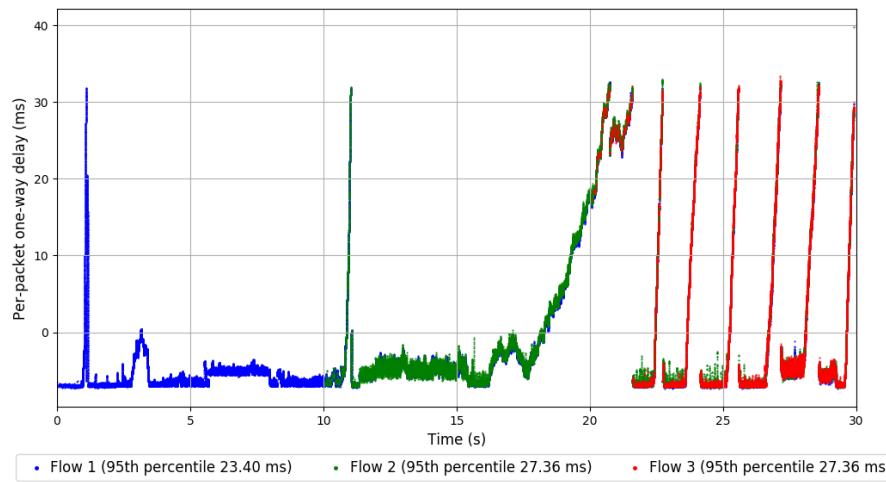
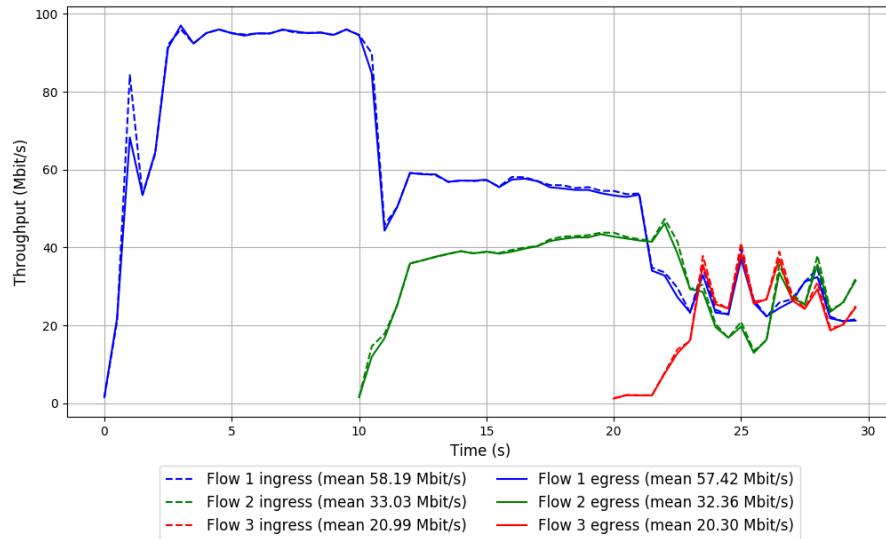


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-02 05:11:57
End at: 2018-02-02 05:12:27
Local clock offset: -0.73 ms
Remote clock offset: -19.13 ms

# Below is generated by plot.py at 2018-02-02 07:05:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 25.788 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 23.397 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 27.360 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 27.365 ms
Loss rate: 3.14%
```

Run 8: Report of Vivace-LTE — Data Link

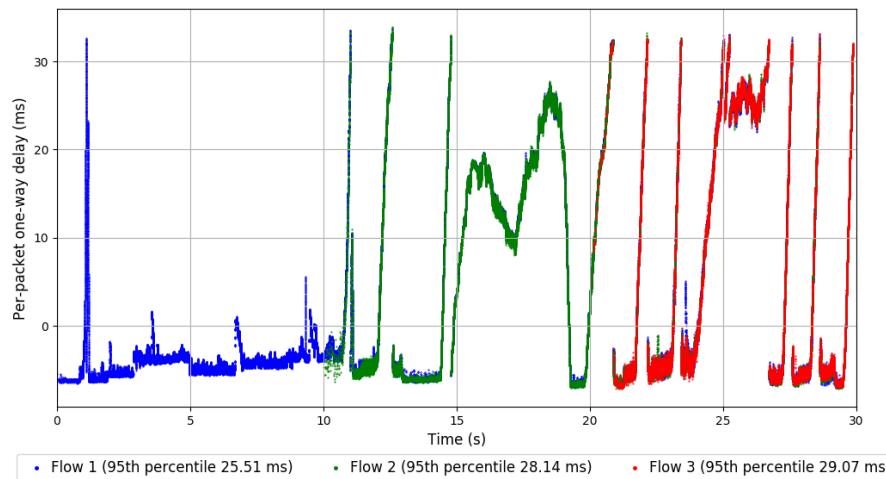
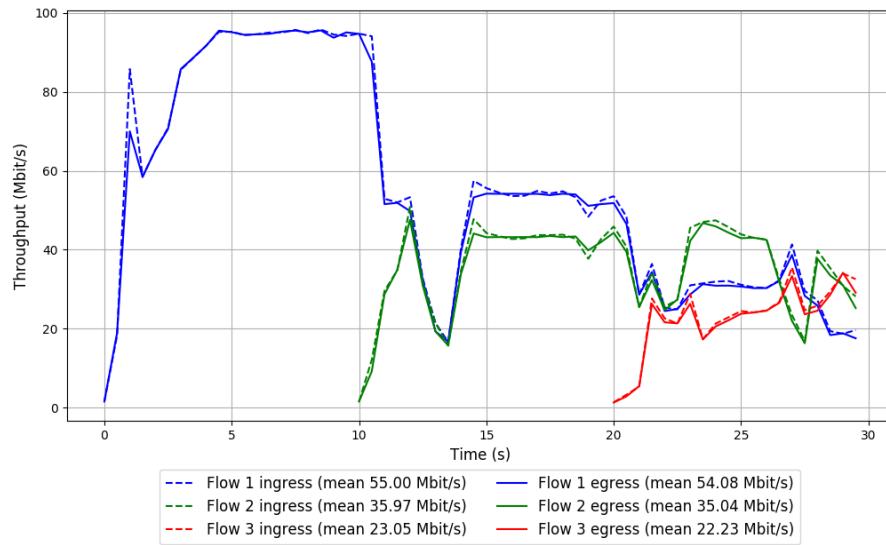


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-02 05:34:58
End at: 2018-02-02 05:35:28
Local clock offset: 3.957 ms
Remote clock offset: -17.435 ms

# Below is generated by plot.py at 2018-02-02 07:05:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 26.780 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 25.508 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 28.142 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 29.067 ms
Loss rate: 3.60%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-02 05:58:17
End at: 2018-02-02 05:58:47
Local clock offset: 4.476 ms
Remote clock offset: -20.031 ms

# Below is generated by plot.py at 2018-02-02 07:05:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 26.941 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 26.139 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 27.986 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 28.528 ms
Loss rate: 2.70%
```

Run 10: Report of Vivace-LTE — Data Link

