

Pantheon Report

Generated at 2017-08-31 06:00:22 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

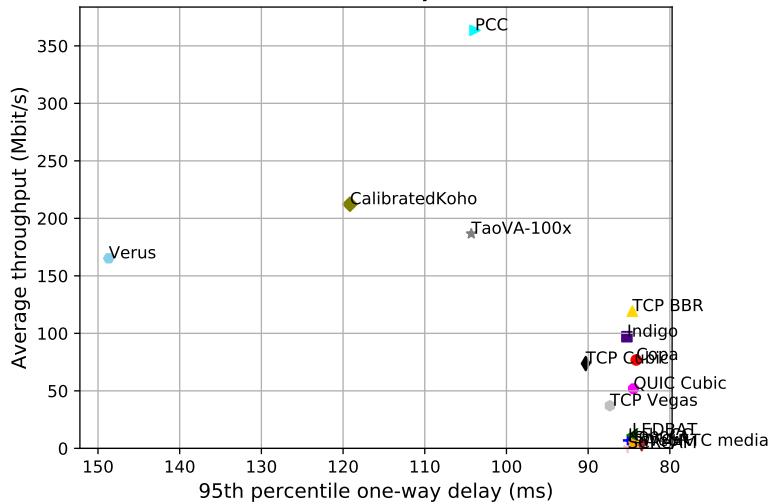
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

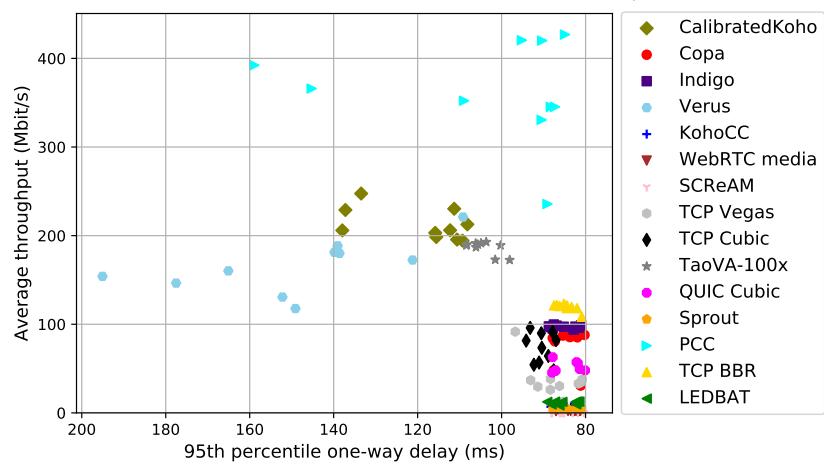
Git summary:

```
branch: master @ 5ea146acdebe79f5b9acfb2d9044554a7d2582ea
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 7ddb4adf480966042c0438984cb22a298bfa635f
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme



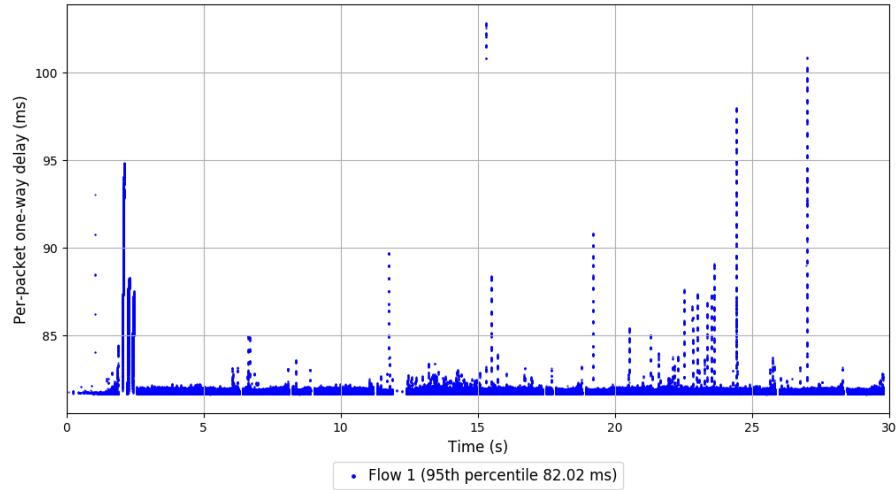
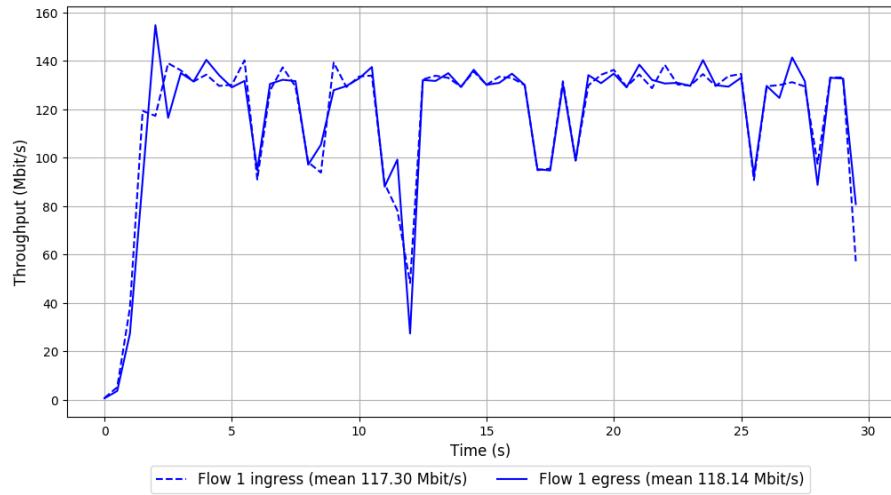
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	119.34	84.59	0.58
CalibratedKoho	10	212.29	119.16	0.97
Copa	10	76.82	84.12	0.72
TCP Cubic	10	73.74	90.30	0.57
Indigo	10	97.11	85.25	0.60
KohoCC	10	6.92	85.14	0.58
LEDBAT	10	11.58	84.63	1.08
PCC	10	363.47	103.85	5.66
QUIC Cubic	8	51.85	84.45	0.58
SCReAM	10	0.22	85.17	0.51
Sprout	10	4.48	84.41	0.65
TaoVA-100x	10	186.62	104.31	0.66
TCP Vegas	10	37.04	87.34	0.39
Verus	10	165.26	148.69	4.87
WebRTC media	10	2.21	83.45	0.64

Run 1: Statistics of TCP BBR

```
Start at: 2017-08-30 22:50:48
End at: 2017-08-30 22:51:18
Local clock offset: 0.242 ms
Remote clock offset: 0.492 ms

# Below is generated by plot.py at 2017-08-31 05:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.14 Mbit/s
95th percentile per-packet one-way delay: 82.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.14 Mbit/s
95th percentile per-packet one-way delay: 82.020 ms
Loss rate: 0.00%
```

Run 1: Report of TCP BBR — Data Link

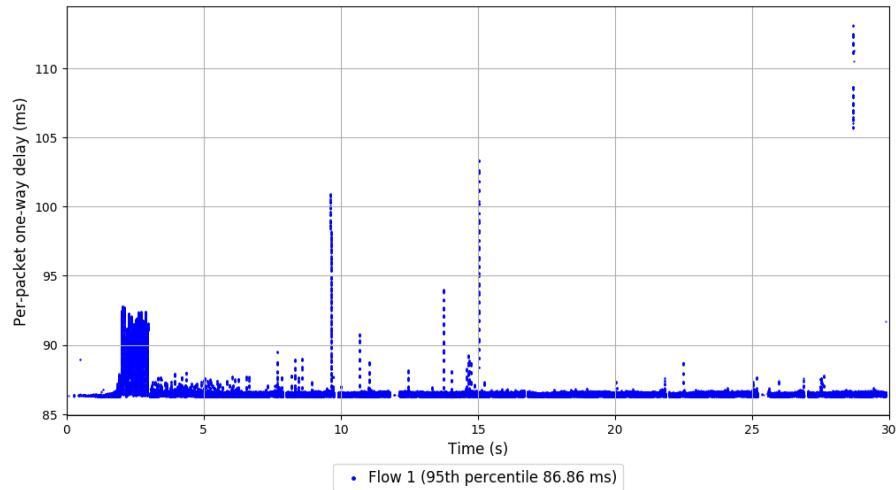
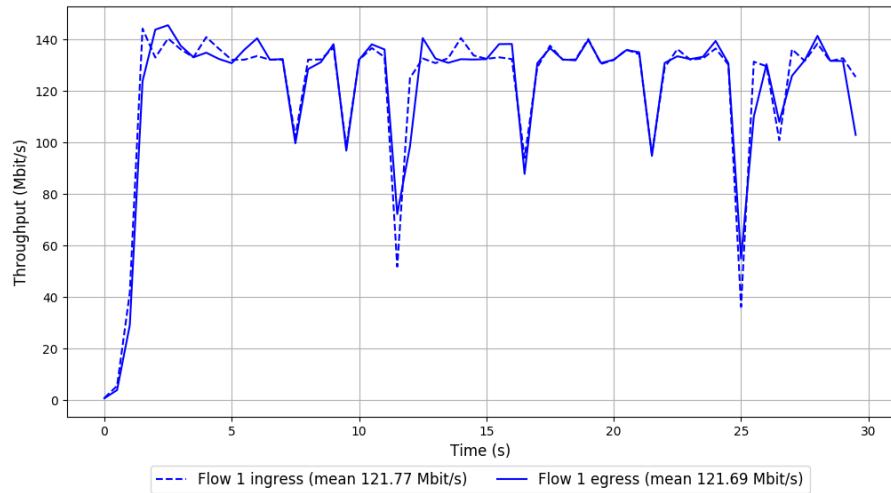


Run 2: Statistics of TCP BBR

```
Start at: 2017-08-30 23:09:57
End at: 2017-08-30 23:10:27
Local clock offset: 0.281 ms
Remote clock offset: -5.237 ms

# Below is generated by plot.py at 2017-08-31 05:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 0.62%
```

Run 2: Report of TCP BBR — Data Link

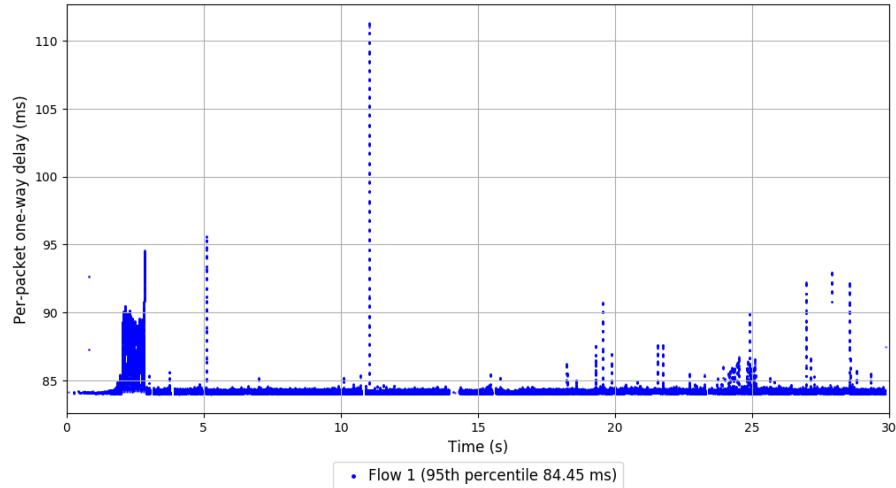
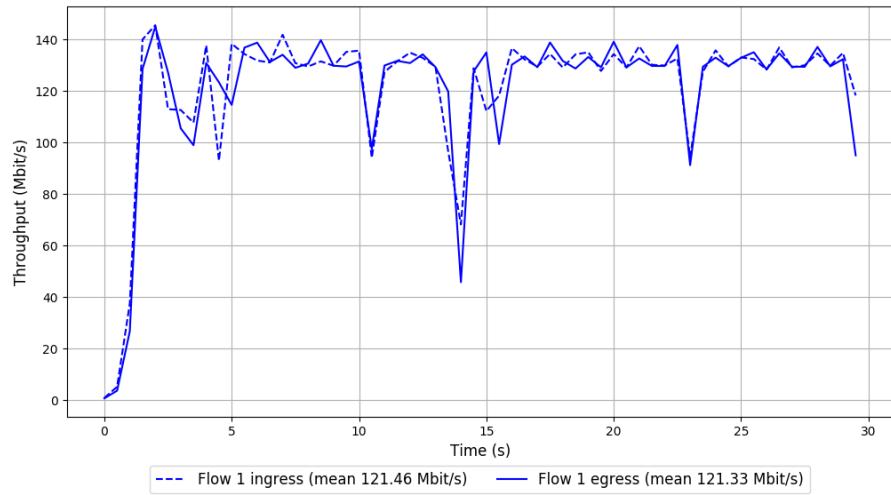


Run 3: Statistics of TCP BBR

```
Start at: 2017-08-30 23:29:13
End at: 2017-08-30 23:29:43
Local clock offset: 0.447 ms
Remote clock offset: -0.789 ms

# Below is generated by plot.py at 2017-08-31 05:43:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.33 Mbit/s
95th percentile per-packet one-way delay: 84.448 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 121.33 Mbit/s
95th percentile per-packet one-way delay: 84.448 ms
Loss rate: 0.65%
```

Run 3: Report of TCP BBR — Data Link

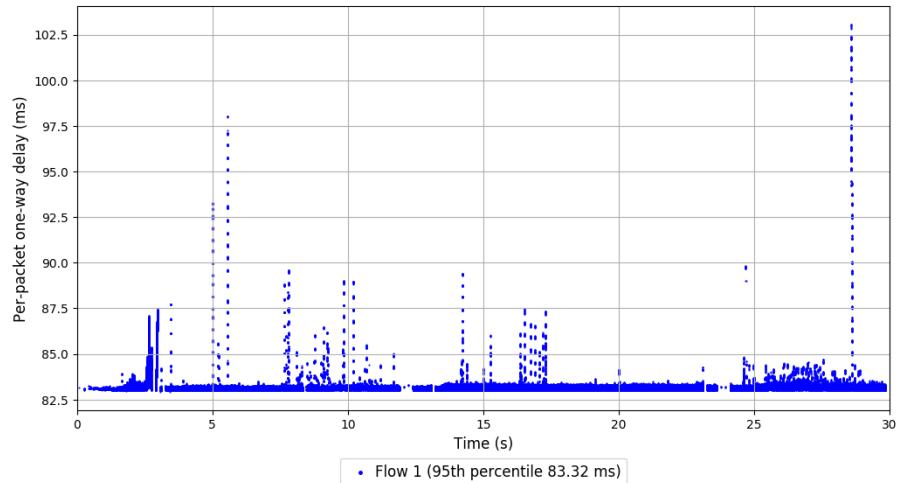
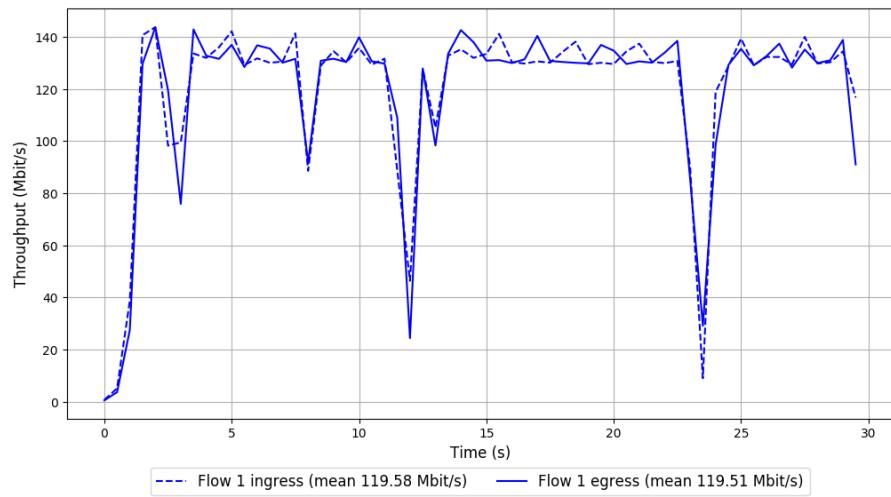


Run 4: Statistics of TCP BBR

```
Start at: 2017-08-30 23:48:35
End at: 2017-08-30 23:49:05
Local clock offset: 0.422 ms
Remote clock offset: 0.319 ms

# Below is generated by plot.py at 2017-08-31 05:43:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 119.51 Mbit/s
95th percentile per-packet one-way delay: 83.318 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 119.51 Mbit/s
95th percentile per-packet one-way delay: 83.318 ms
Loss rate: 0.63%
```

Run 4: Report of TCP BBR — Data Link

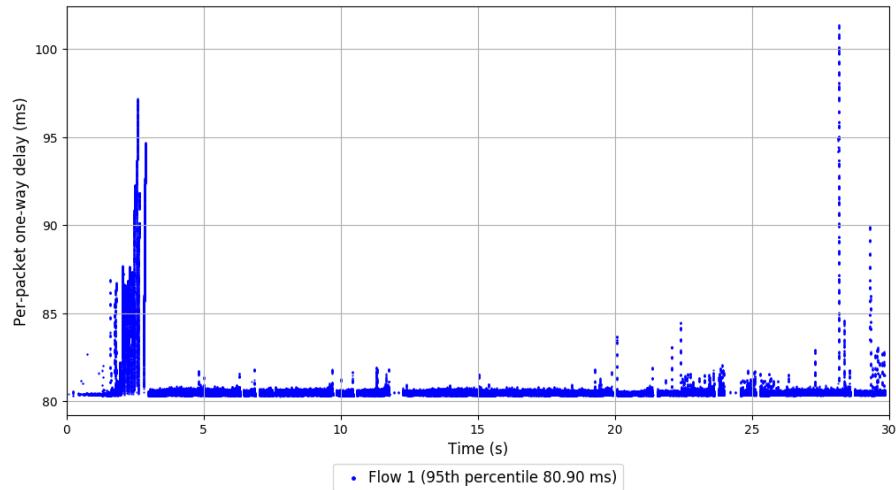
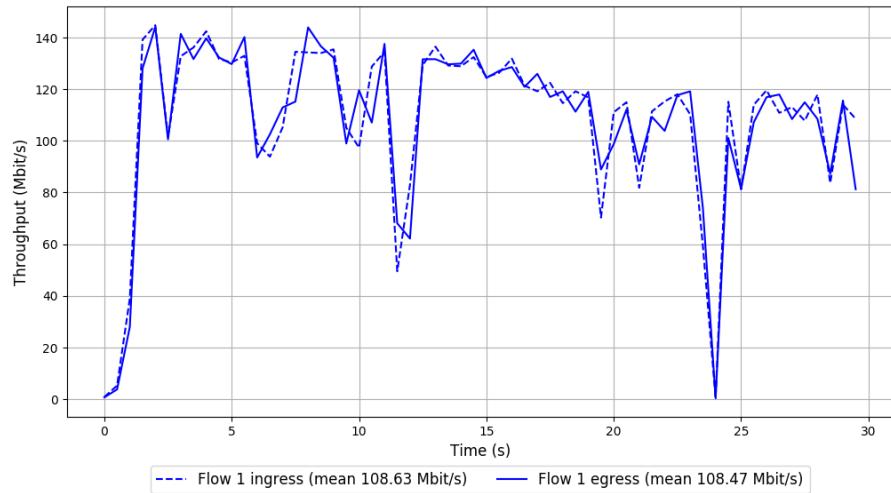


Run 5: Statistics of TCP BBR

```
Start at: 2017-08-31 00:07:37
End at: 2017-08-31 00:08:08
Local clock offset: 0.575 ms
Remote clock offset: 1.15 ms

# Below is generated by plot.py at 2017-08-31 05:43:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.47 Mbit/s
95th percentile per-packet one-way delay: 80.899 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 108.47 Mbit/s
95th percentile per-packet one-way delay: 80.899 ms
Loss rate: 0.70%
```

Run 5: Report of TCP BBR — Data Link

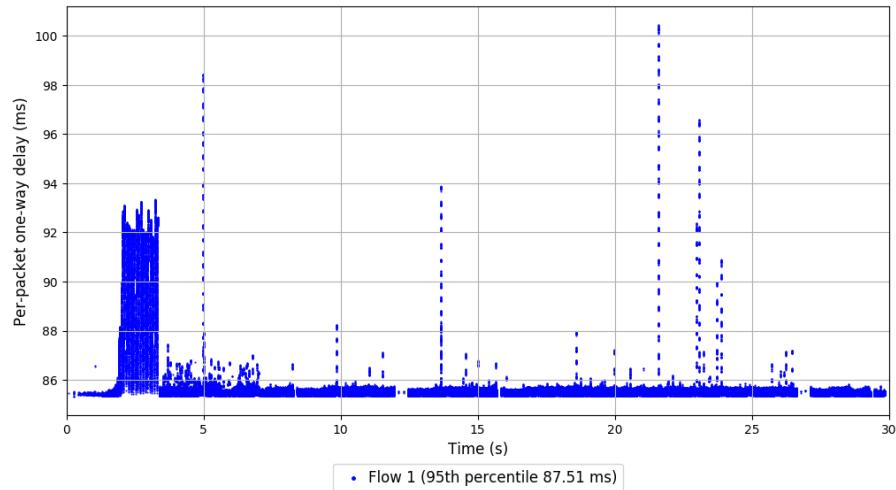
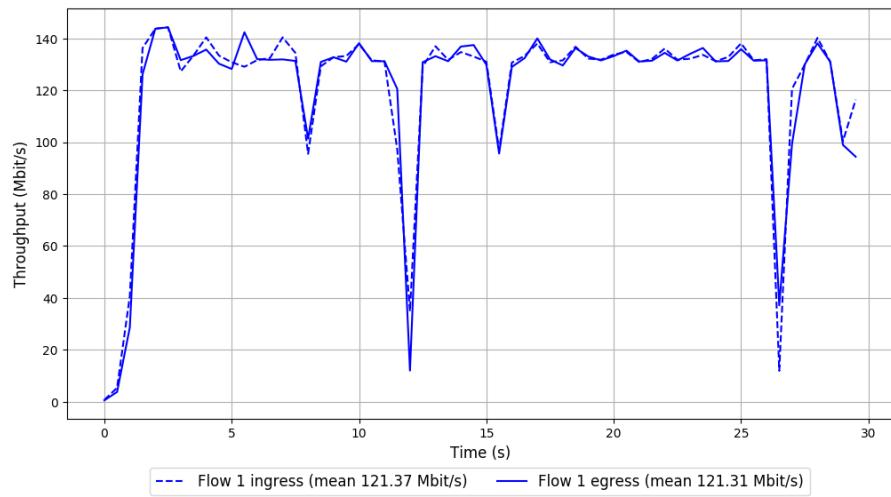


Run 6: Statistics of TCP BBR

```
Start at: 2017-08-31 00:26:56
End at: 2017-08-31 00:27:26
Local clock offset: 0.509 ms
Remote clock offset: -3.412 ms

# Below is generated by plot.py at 2017-08-31 05:43:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.31 Mbit/s
95th percentile per-packet one-way delay: 87.512 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 121.31 Mbit/s
95th percentile per-packet one-way delay: 87.512 ms
Loss rate: 0.64%
```

Run 6: Report of TCP BBR — Data Link

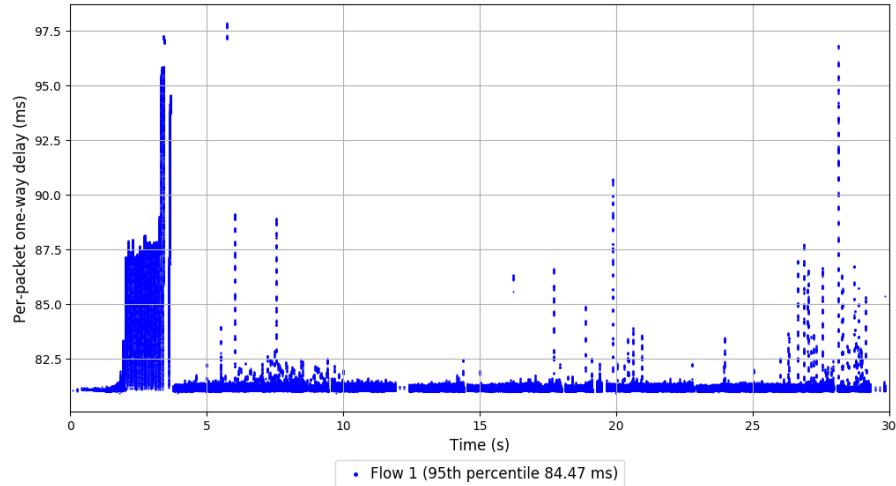
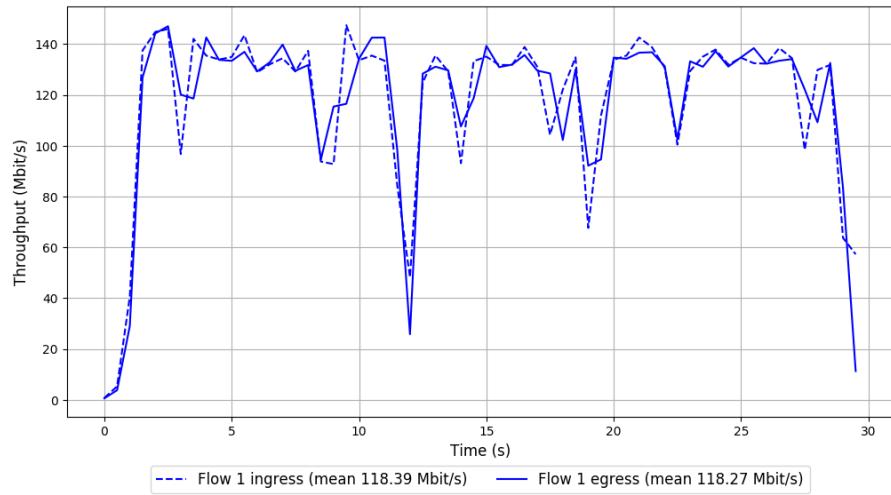


Run 7: Statistics of TCP BBR

```
Start at: 2017-08-31 00:45:54
End at: 2017-08-31 00:46:24
Local clock offset: 0.521 ms
Remote clock offset: 0.59 ms

# Below is generated by plot.py at 2017-08-31 05:43:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.27 Mbit/s
95th percentile per-packet one-way delay: 84.468 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 118.27 Mbit/s
95th percentile per-packet one-way delay: 84.468 ms
Loss rate: 0.65%
```

Run 7: Report of TCP BBR — Data Link

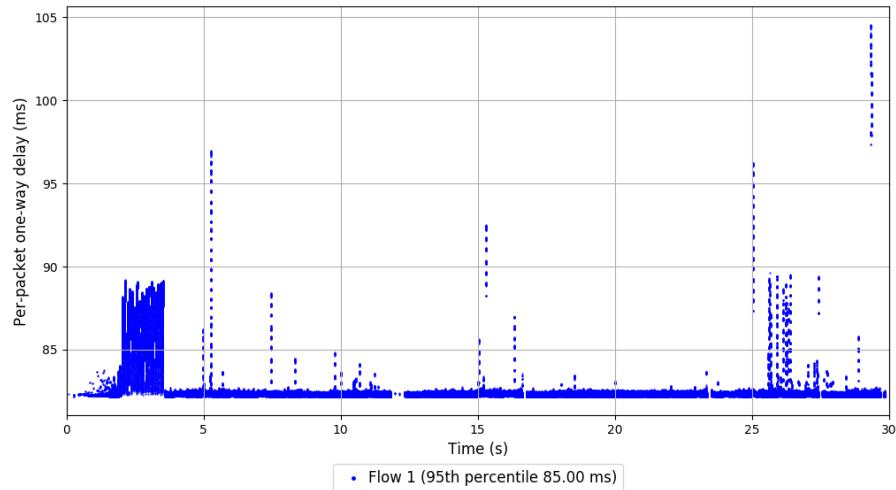
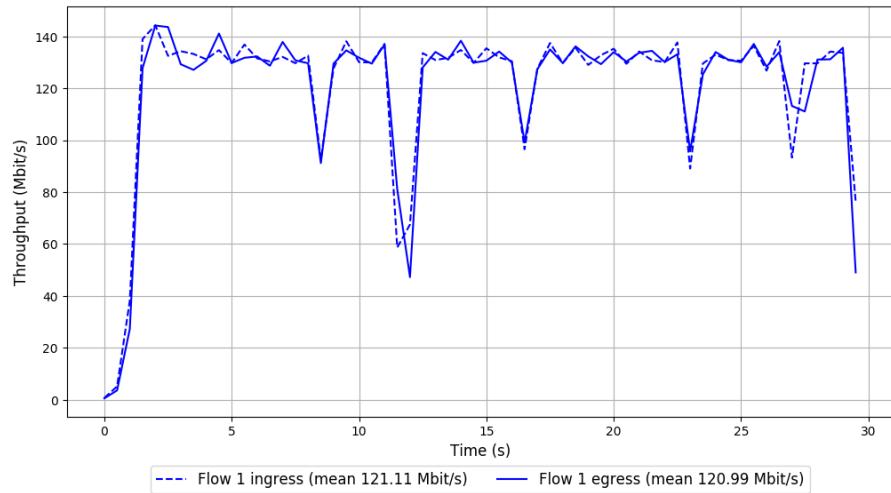


Run 8: Statistics of TCP BBR

```
Start at: 2017-08-31 01:05:01
End at: 2017-08-31 01:05:31
Local clock offset: 0.378 ms
Remote clock offset: 1.253 ms

# Below is generated by plot.py at 2017-08-31 05:43:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.99 Mbit/s
95th percentile per-packet one-way delay: 84.996 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 120.99 Mbit/s
95th percentile per-packet one-way delay: 84.996 ms
Loss rate: 0.67%
```

Run 8: Report of TCP BBR — Data Link

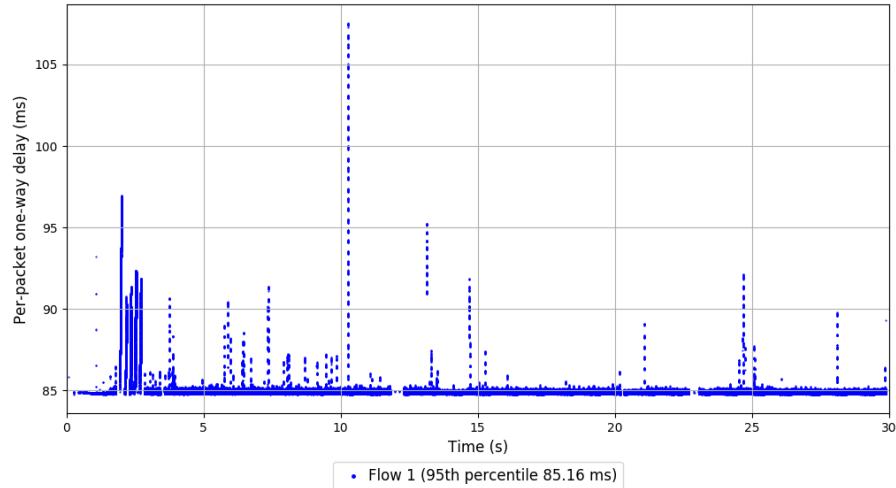
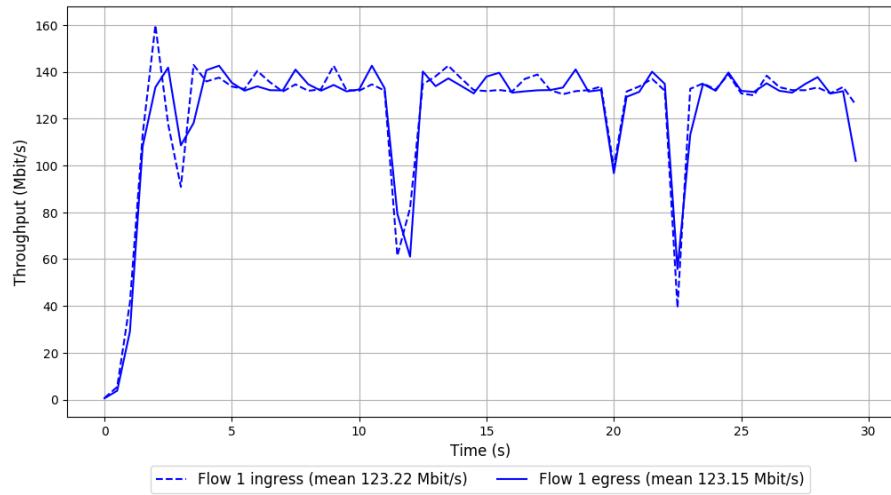


Run 9: Statistics of TCP BBR

```
Start at: 2017-08-31 01:24:05
End at: 2017-08-31 01:24:35
Local clock offset: 0.413 ms
Remote clock offset: -3.669 ms

# Below is generated by plot.py at 2017-08-31 05:43:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.15 Mbit/s
95th percentile per-packet one-way delay: 85.158 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 123.15 Mbit/s
95th percentile per-packet one-way delay: 85.158 ms
Loss rate: 0.61%
```

Run 9: Report of TCP BBR — Data Link

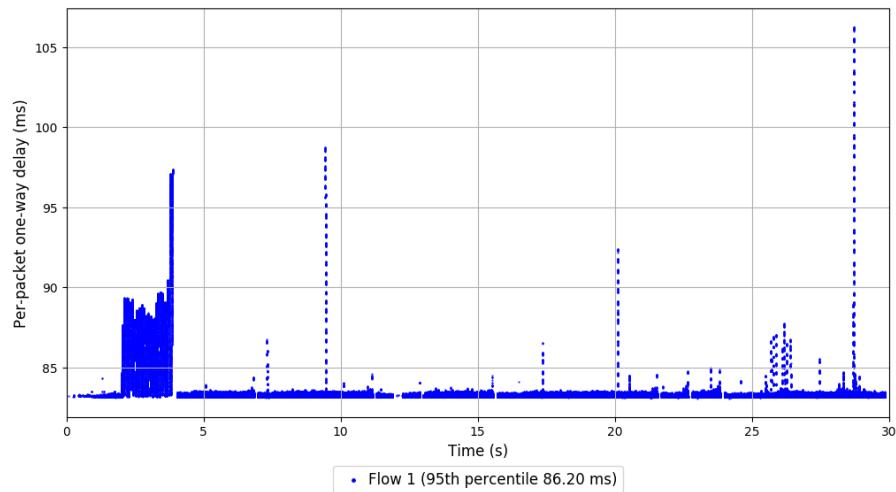
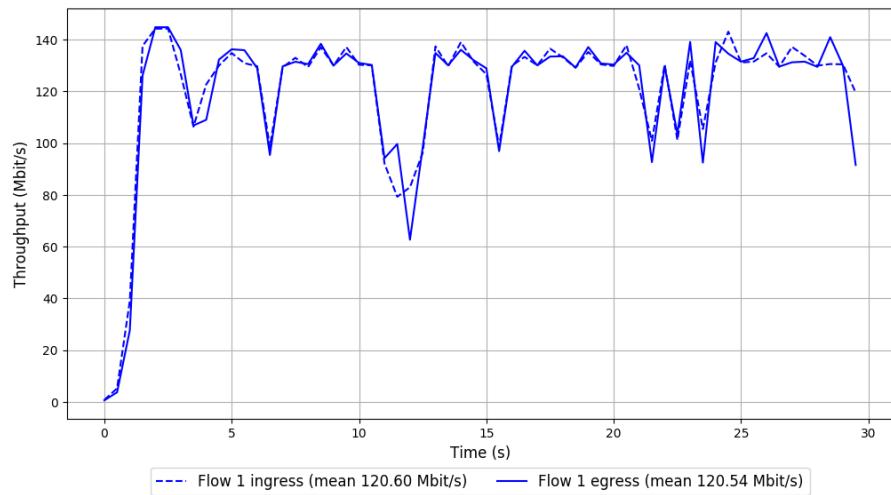


Run 10: Statistics of TCP BBR

```
Start at: 2017-08-31 01:43:12
End at: 2017-08-31 01:43:42
Local clock offset: 0.308 ms
Remote clock offset: -0.242 ms

# Below is generated by plot.py at 2017-08-31 05:43:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.54 Mbit/s
95th percentile per-packet one-way delay: 86.197 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 120.54 Mbit/s
95th percentile per-packet one-way delay: 86.197 ms
Loss rate: 0.62%
```

Run 10: Report of TCP BBR — Data Link

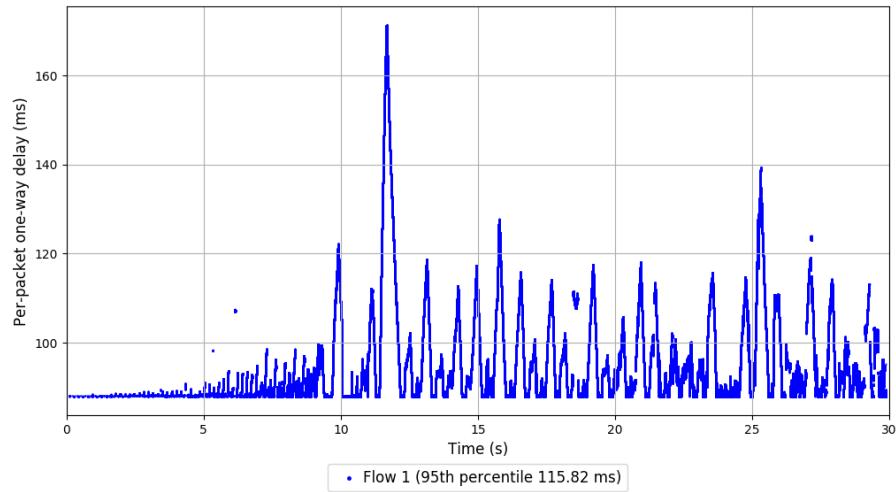
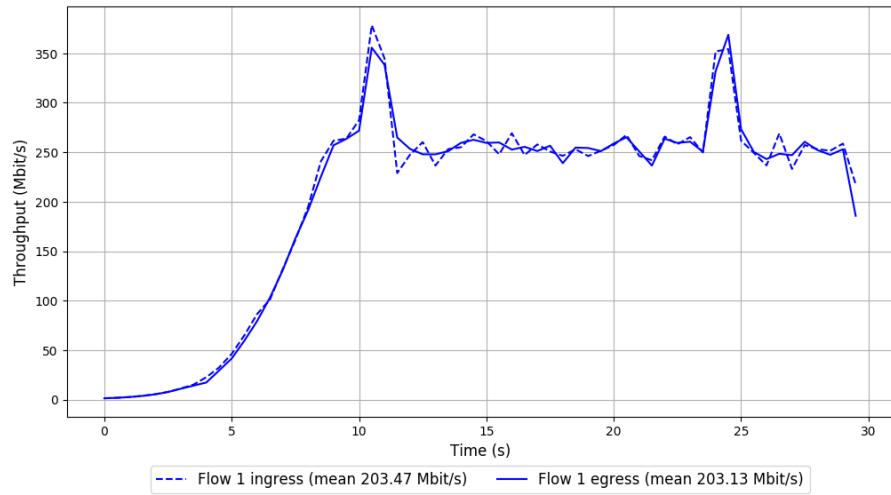


```
Run 1: Statistics of CalibratedKoho

Start at: 2017-08-30 22:49:22
End at: 2017-08-30 22:49:52
Local clock offset: 0.303 ms
Remote clock offset: -5.16 ms

# Below is generated by plot.py at 2017-08-31 05:44:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.13 Mbit/s
95th percentile per-packet one-way delay: 115.816 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 203.13 Mbit/s
95th percentile per-packet one-way delay: 115.816 ms
Loss rate: 0.71%
```

Run 1: Report of CalibratedKoho — Data Link

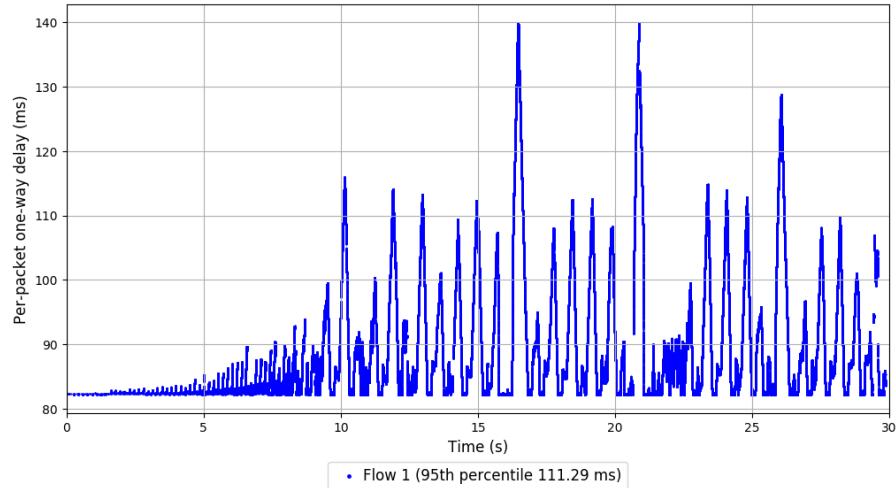
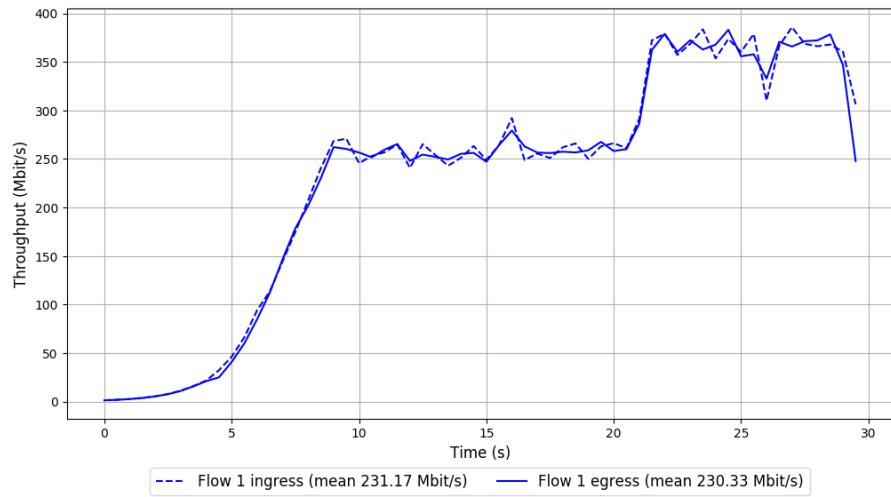


```
Run 2: Statistics of CalibratedKoho
```

```
Start at: 2017-08-30 23:08:29
End at: 2017-08-30 23:08:59
Local clock offset: 0.283 ms
Remote clock offset: 0.576 ms

# Below is generated by plot.py at 2017-08-31 05:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.33 Mbit/s
95th percentile per-packet one-way delay: 111.293 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 230.33 Mbit/s
95th percentile per-packet one-way delay: 111.293 ms
Loss rate: 0.93%
```

Run 2: Report of CalibratedKoho — Data Link

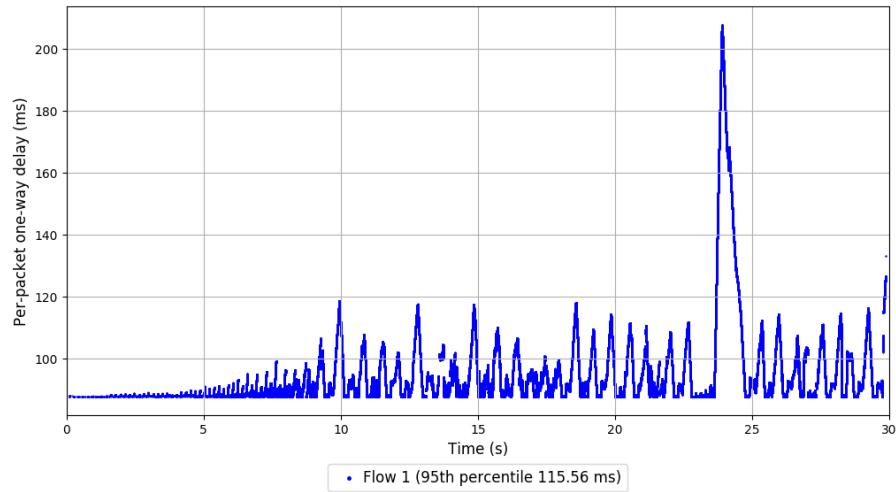
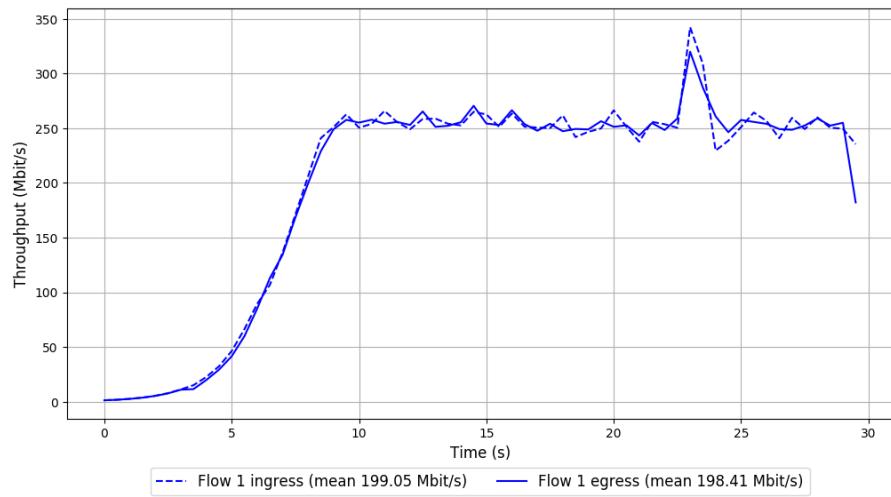


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: 2017-08-30 23:27:46
End at: 2017-08-30 23:28:16
Local clock offset: 0.402 ms
Remote clock offset: -4.661 ms

# Below is generated by plot.py at 2017-08-31 05:44:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.41 Mbit/s
95th percentile per-packet one-way delay: 115.556 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 198.41 Mbit/s
95th percentile per-packet one-way delay: 115.556 ms
Loss rate: 0.86%
```

Run 3: Report of CalibratedKoho — Data Link

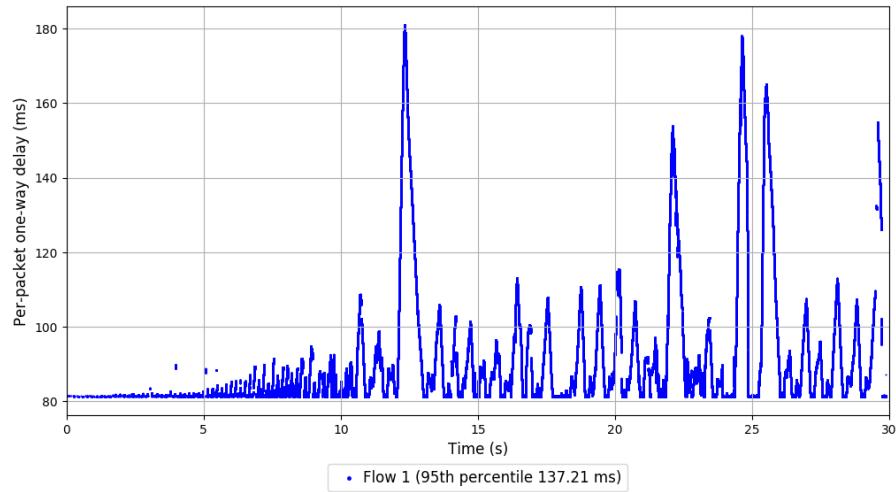
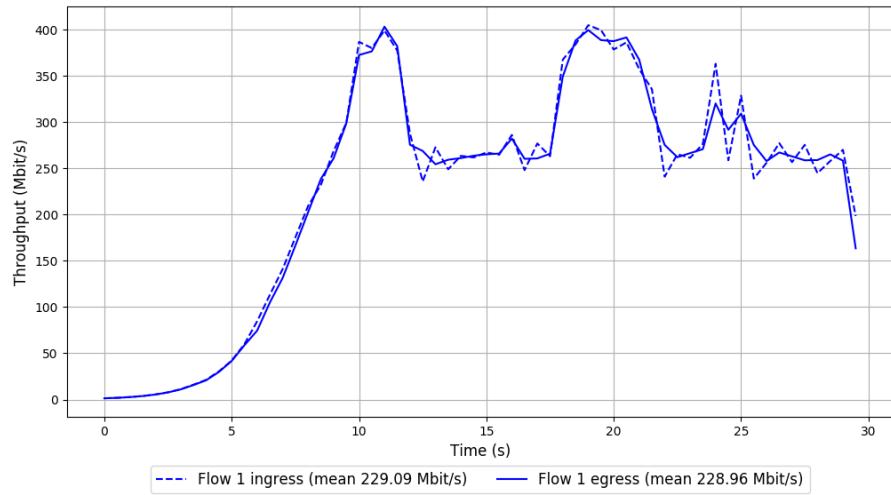


```
Run 4: Statistics of CalibratedKoho
```

```
Start at: 2017-08-30 23:47:06
End at: 2017-08-30 23:47:36
Local clock offset: 0.433 ms
Remote clock offset: 0.295 ms

# Below is generated by plot.py at 2017-08-31 05:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.96 Mbit/s
95th percentile per-packet one-way delay: 137.205 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 228.96 Mbit/s
95th percentile per-packet one-way delay: 137.205 ms
Loss rate: 0.62%
```

Run 4: Report of CalibratedKoho — Data Link

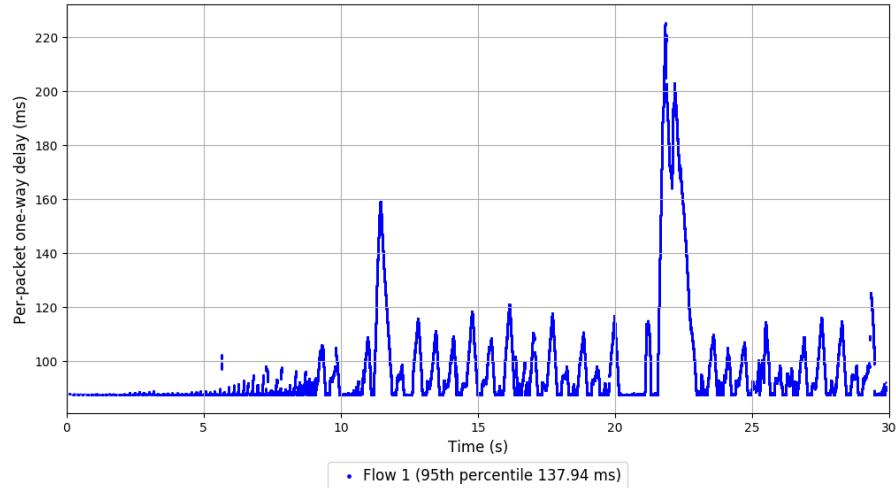
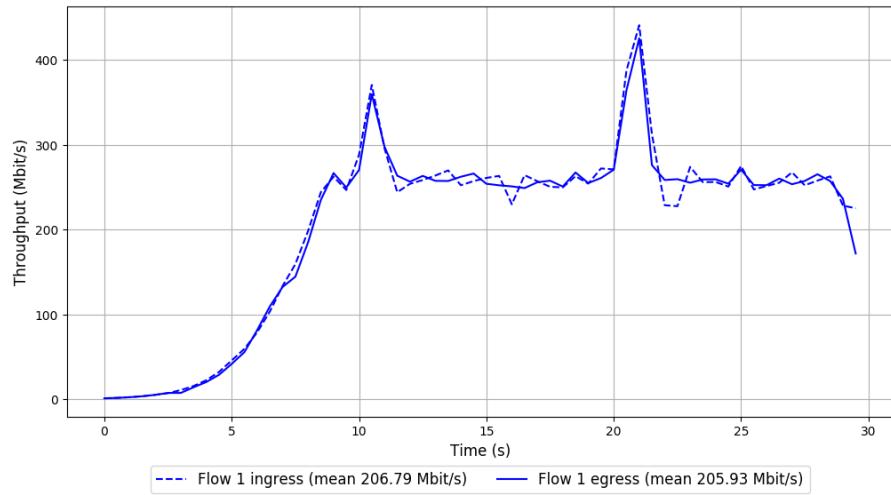


```
Run 5: Statistics of CalibratedKoho
```

```
Start at: 2017-08-31 00:06:09
End at: 2017-08-31 00:06:39
Local clock offset: 0.578 ms
Remote clock offset: -4.509 ms

# Below is generated by plot.py at 2017-08-31 05:45:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 137.937 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 137.937 ms
Loss rate: 0.98%
```

Run 5: Report of CalibratedKoho — Data Link

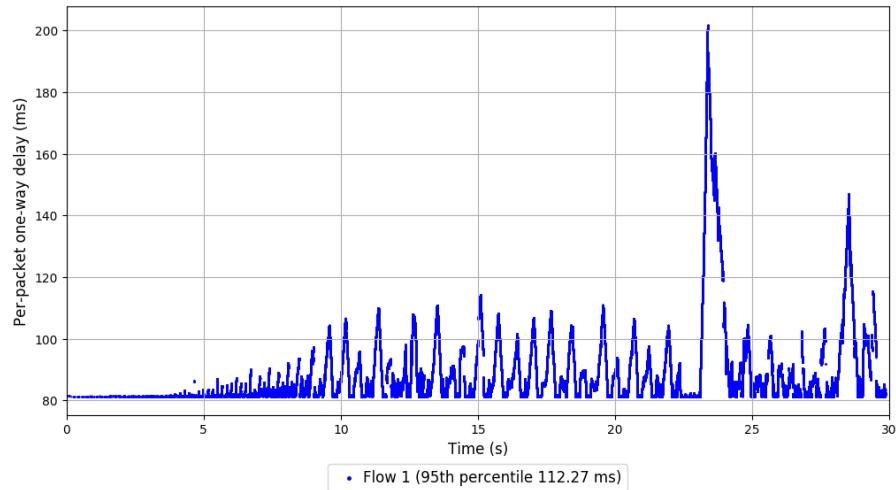
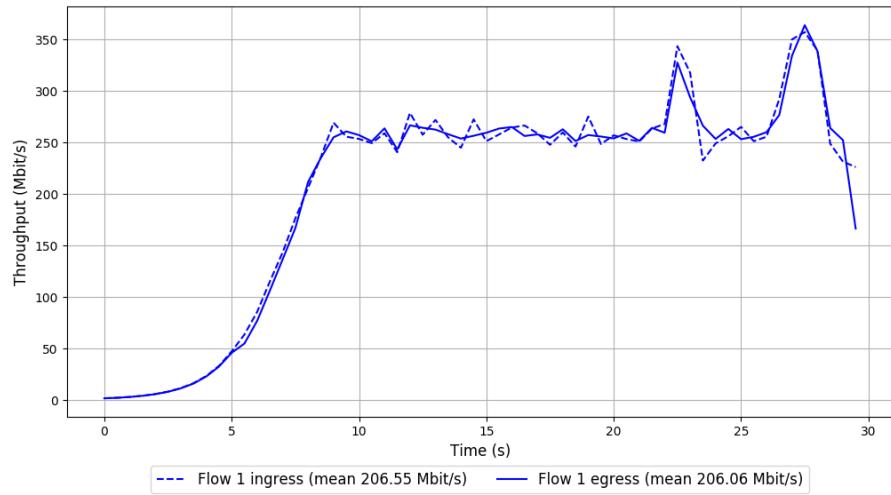


```
Run 6: Statistics of CalibratedKoho
```

```
Start at: 2017-08-31 00:25:30
End at: 2017-08-31 00:26:01
Local clock offset: 0.533 ms
Remote clock offset: 0.691 ms

# Below is generated by plot.py at 2017-08-31 05:45:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.06 Mbit/s
95th percentile per-packet one-way delay: 112.270 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 206.06 Mbit/s
95th percentile per-packet one-way delay: 112.270 ms
Loss rate: 0.81%
```

Run 6: Report of CalibratedKoho — Data Link

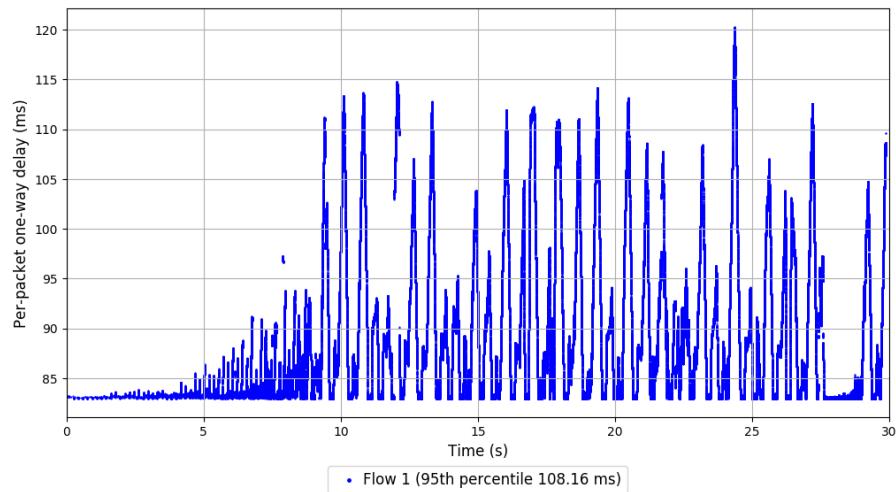
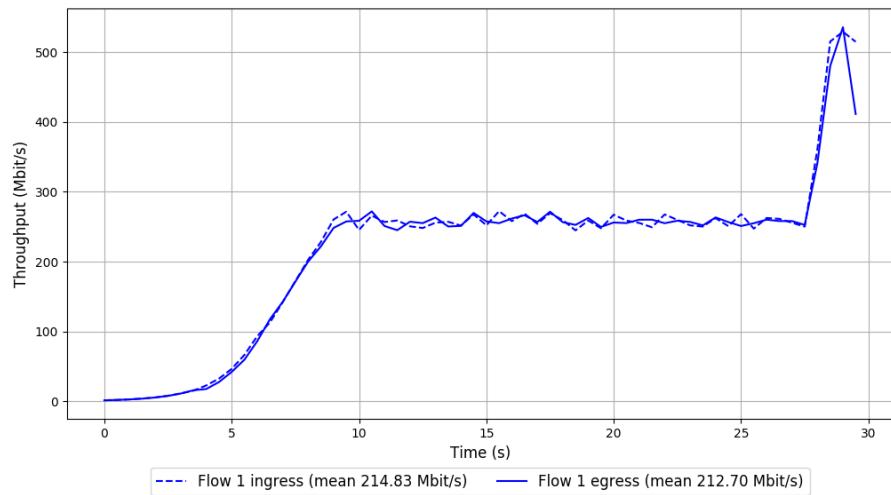


Run 7: Statistics of CalibratedKoho

```
Start at: 2017-08-31 00:44:27
End at: 2017-08-31 00:44:57
Local clock offset: 0.451 ms
Remote clock offset: 0.6 ms

# Below is generated by plot.py at 2017-08-31 05:45:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.70 Mbit/s
95th percentile per-packet one-way delay: 108.159 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 212.70 Mbit/s
95th percentile per-packet one-way delay: 108.159 ms
Loss rate: 1.55%
```

Run 7: Report of CalibratedKoho — Data Link

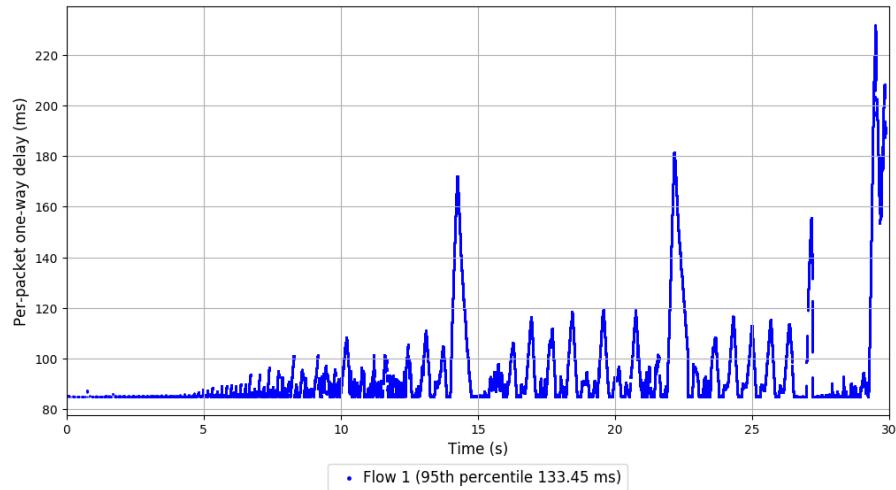
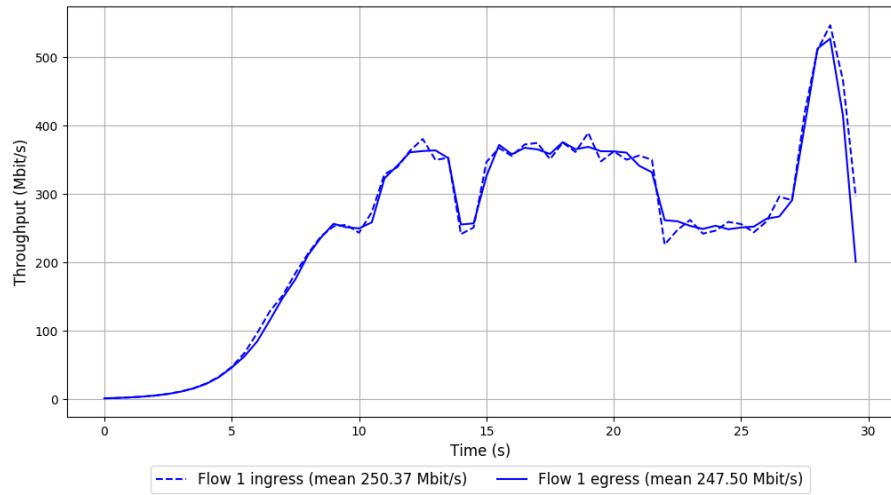


```
Run 8: Statistics of CalibratedKoho
```

```
Start at: 2017-08-31 01:03:31
End at: 2017-08-31 01:04:01
Local clock offset: 0.297 ms
Remote clock offset: -3.556 ms

# Below is generated by plot.py at 2017-08-31 05:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 247.50 Mbit/s
95th percentile per-packet one-way delay: 133.448 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 247.50 Mbit/s
95th percentile per-packet one-way delay: 133.448 ms
Loss rate: 1.70%
```

Run 8: Report of CalibratedKoho — Data Link

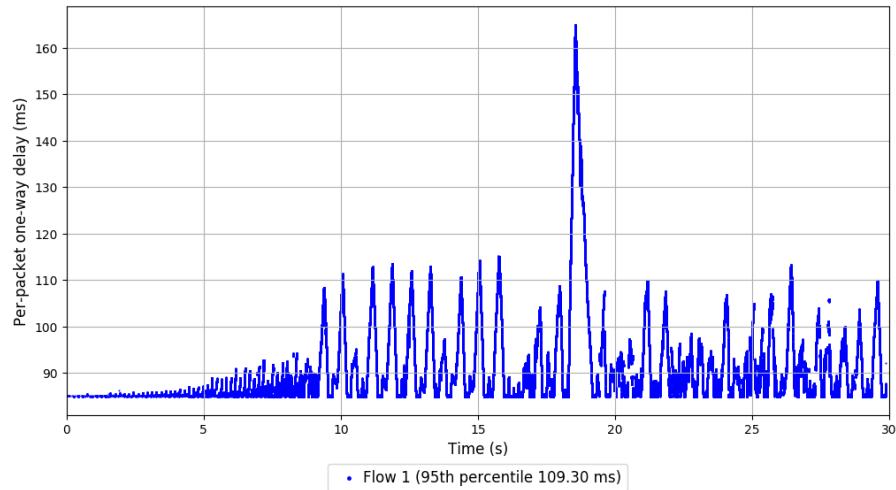
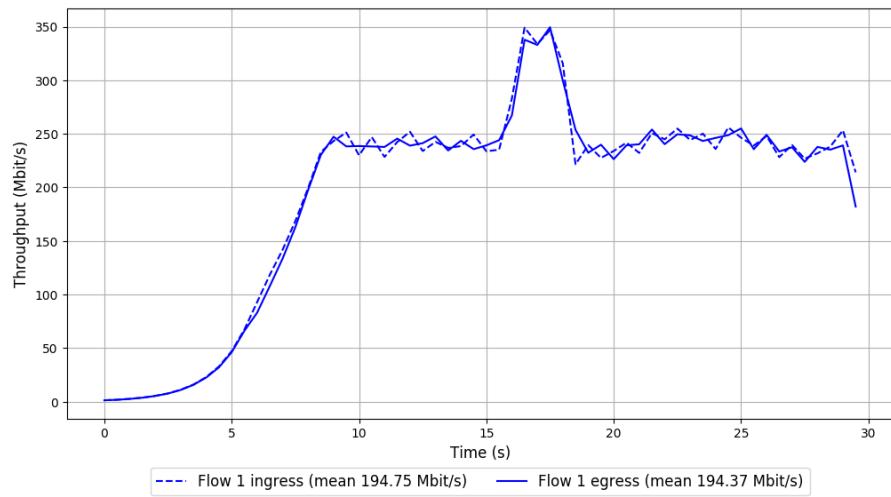


```
Run 9: Statistics of CalibratedKoho
```

```
Start at: 2017-08-31 01:22:40
End at: 2017-08-31 01:23:10
Local clock offset: 0.308 ms
Remote clock offset: -3.788 ms

# Below is generated by plot.py at 2017-08-31 05:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.37 Mbit/s
95th percentile per-packet one-way delay: 109.299 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 194.37 Mbit/s
95th percentile per-packet one-way delay: 109.299 ms
Loss rate: 0.73%
```

Run 9: Report of CalibratedKoho — Data Link

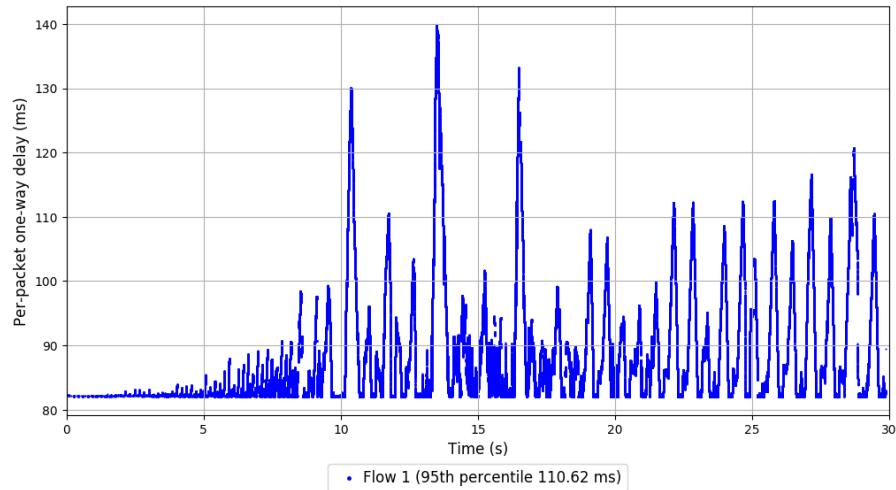
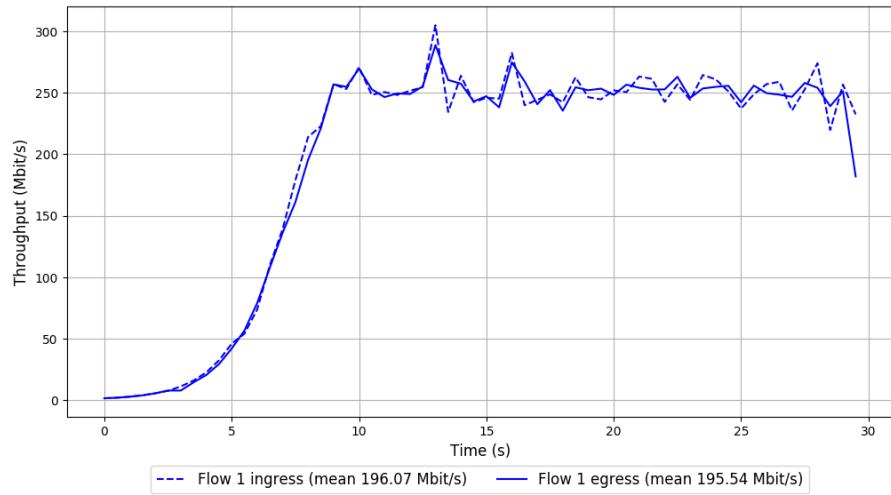


```
Run 10: Statistics of CalibratedKoho
```

```
Start at: 2017-08-31 01:41:47
End at: 2017-08-31 01:42:17
Local clock offset: 0.383 ms
Remote clock offset: 0.959 ms

# Below is generated by plot.py at 2017-08-31 05:46:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.54 Mbit/s
95th percentile per-packet one-way delay: 110.617 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 195.54 Mbit/s
95th percentile per-packet one-way delay: 110.617 ms
Loss rate: 0.82%
```

Run 10: Report of CalibratedKoho — Data Link

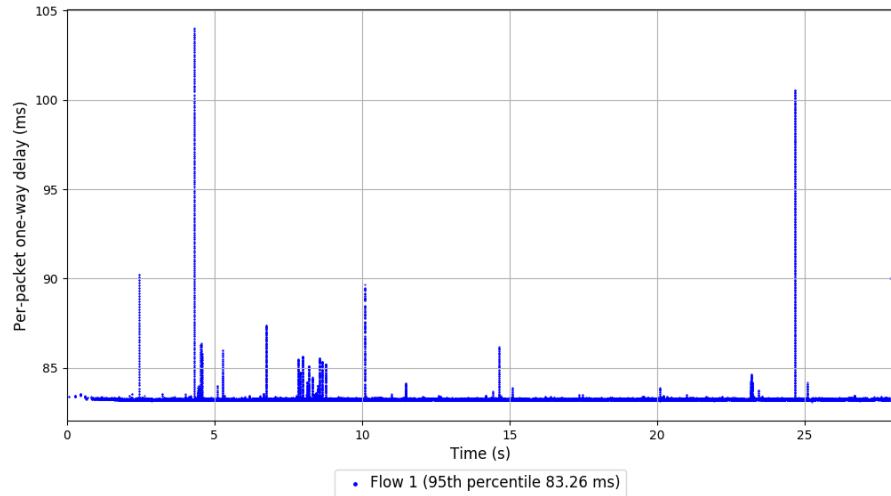
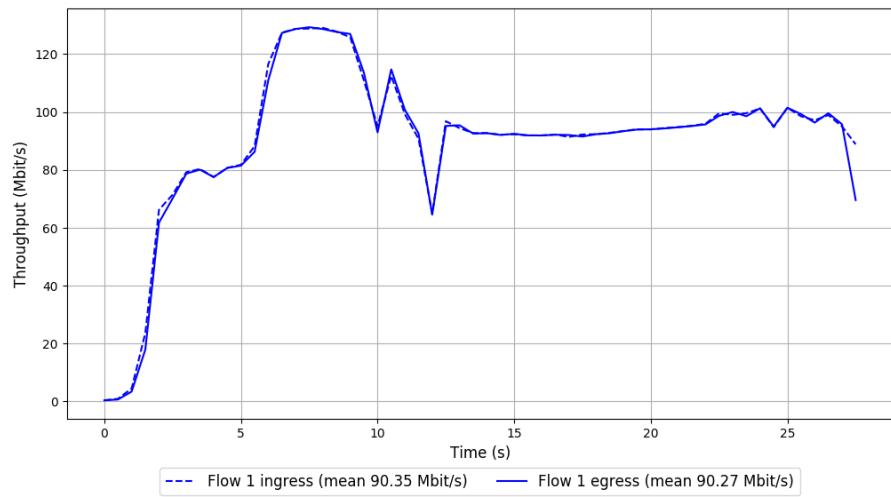


Run 1: Statistics of Copa

```
Start at: 2017-08-30 22:57:23
End at: 2017-08-30 22:57:53
Local clock offset: 0.272 ms
Remote clock offset: -0.436 ms

# Below is generated by plot.py at 2017-08-31 05:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 83.263 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 83.263 ms
Loss rate: 0.69%
```

Run 1: Report of Copa — Data Link

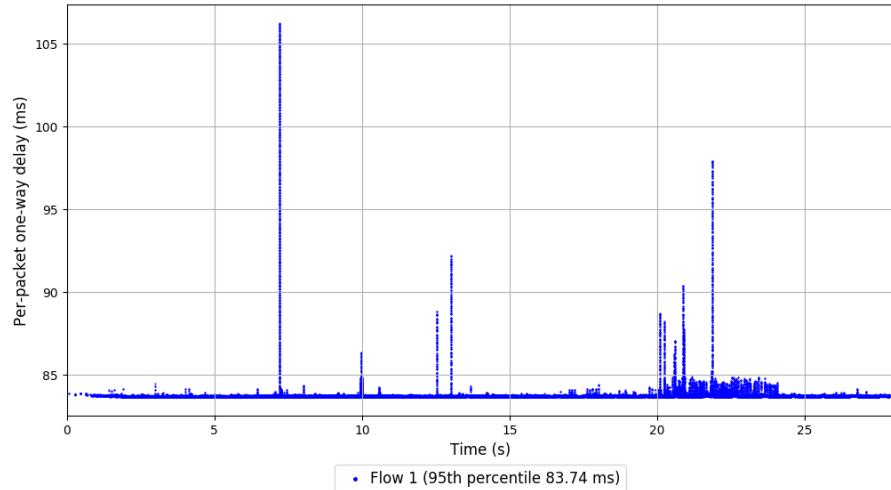
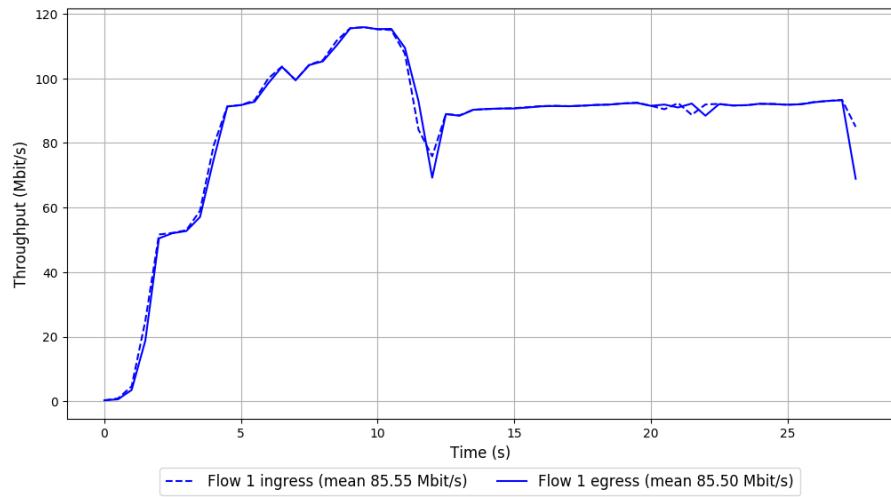


Run 2: Statistics of Copa

```
Start at: 2017-08-30 23:16:37
End at: 2017-08-30 23:17:07
Local clock offset: 0.294 ms
Remote clock offset: -0.99 ms

# Below is generated by plot.py at 2017-08-31 05:46:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 83.738 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 83.738 ms
Loss rate: 0.66%
```

Run 2: Report of Copa — Data Link

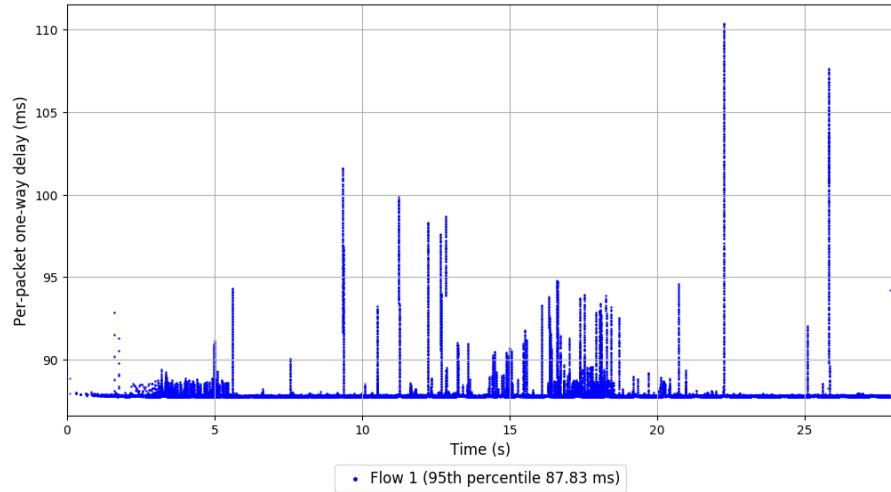
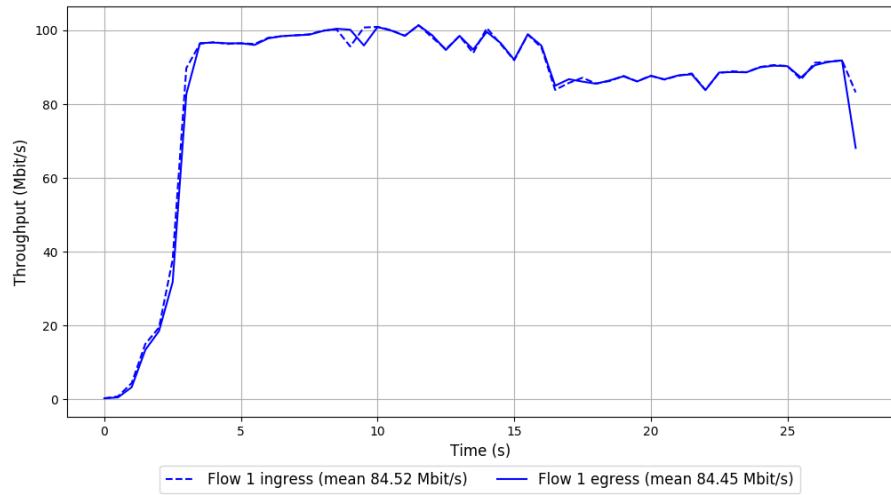


Run 3: Statistics of Copa

```
Start at: 2017-08-30 23:35:56
End at: 2017-08-30 23:36:26
Local clock offset: 0.402 ms
Remote clock offset: -4.668 ms

# Below is generated by plot.py at 2017-08-31 05:46:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 87.828 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 87.828 ms
Loss rate: 0.66%
```

Run 3: Report of Copa — Data Link

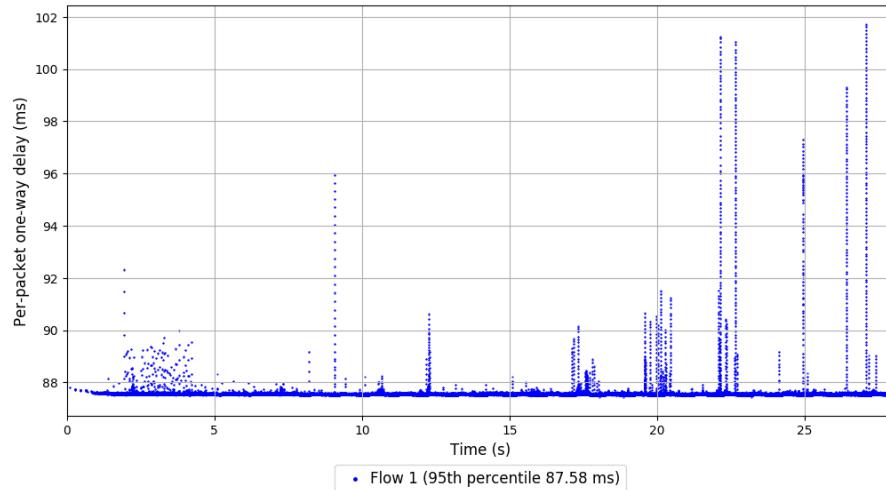
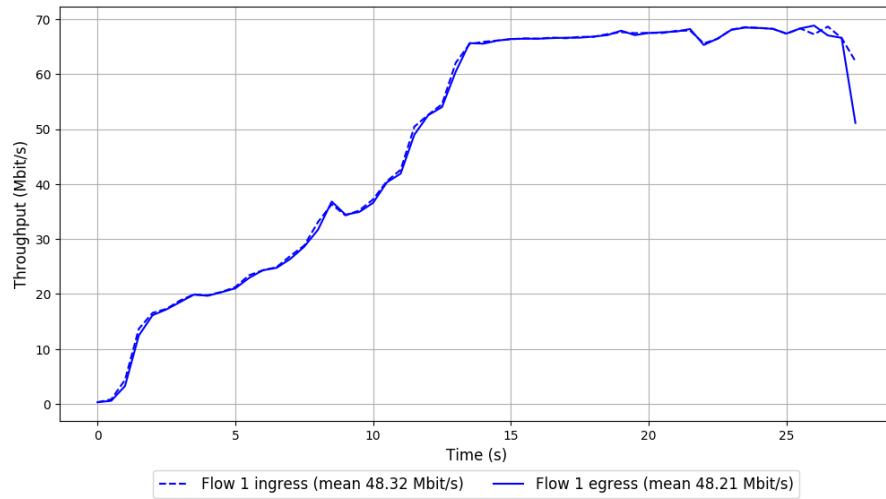


Run 4: Statistics of Copa

```
Start at: 2017-08-30 23:55:06
End at: 2017-08-30 23:55:36
Local clock offset: 0.412 ms
Remote clock offset: -4.475 ms

# Below is generated by plot.py at 2017-08-31 05:46:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 87.584 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 87.584 ms
Loss rate: 0.86%
```

Run 4: Report of Copa — Data Link

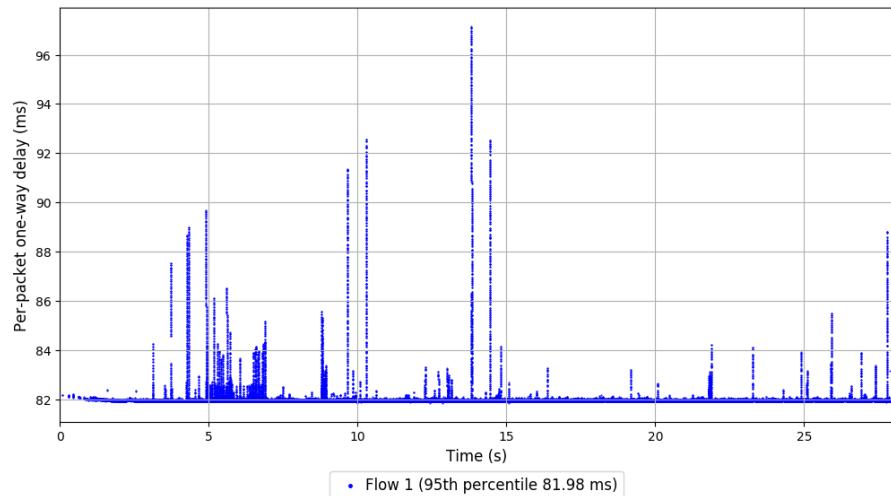
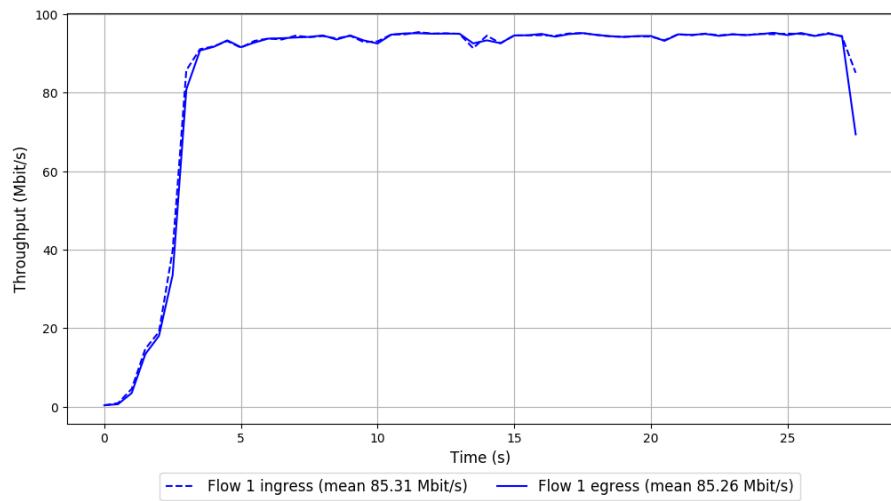


Run 5: Statistics of Copa

```
Start at: 2017-08-31 00:14:25
End at: 2017-08-31 00:14:55
Local clock offset: 0.518 ms
Remote clock offset: 1.208 ms

# Below is generated by plot.py at 2017-08-31 05:47:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 81.976 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 81.976 ms
Loss rate: 0.66%
```

Run 5: Report of Copa — Data Link

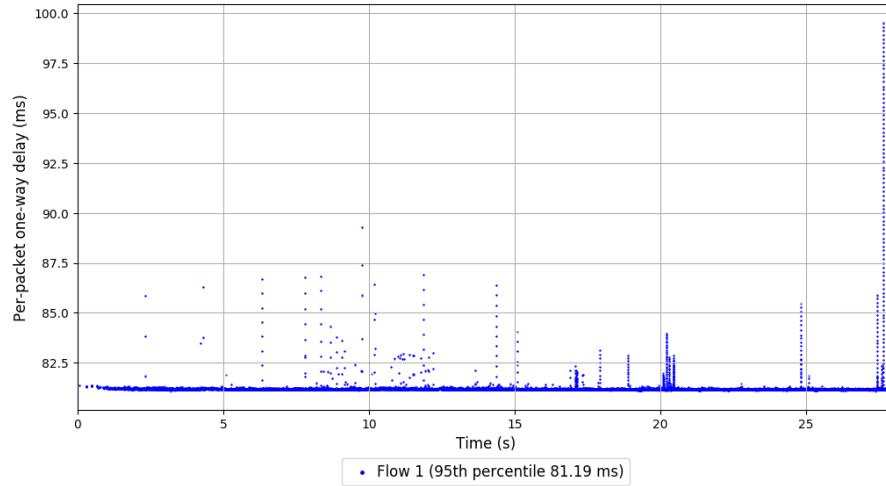
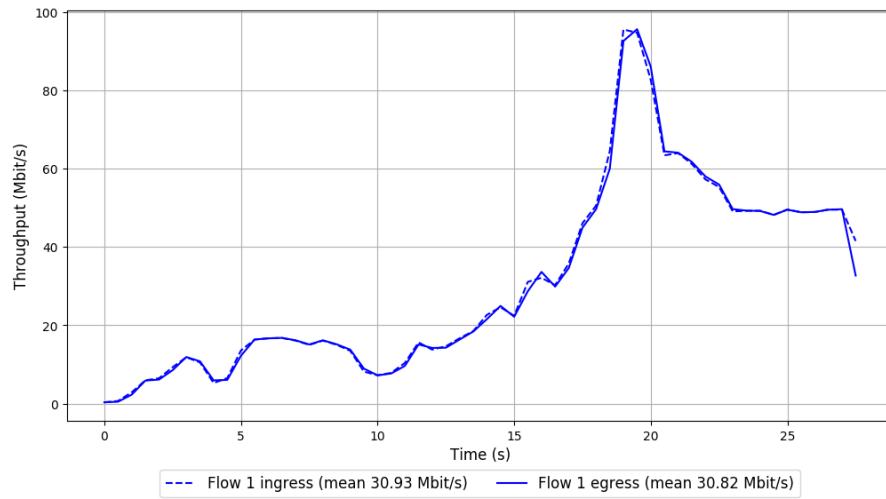


Run 6: Statistics of Copa

```
Start at: 2017-08-31 00:33:30
End at: 2017-08-31 00:34:00
Local clock offset: 0.445 ms
Remote clock offset: 0.724 ms

# Below is generated by plot.py at 2017-08-31 05:47:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 81.191 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 81.191 ms
Loss rate: 0.98%
```

Run 6: Report of Copa — Data Link

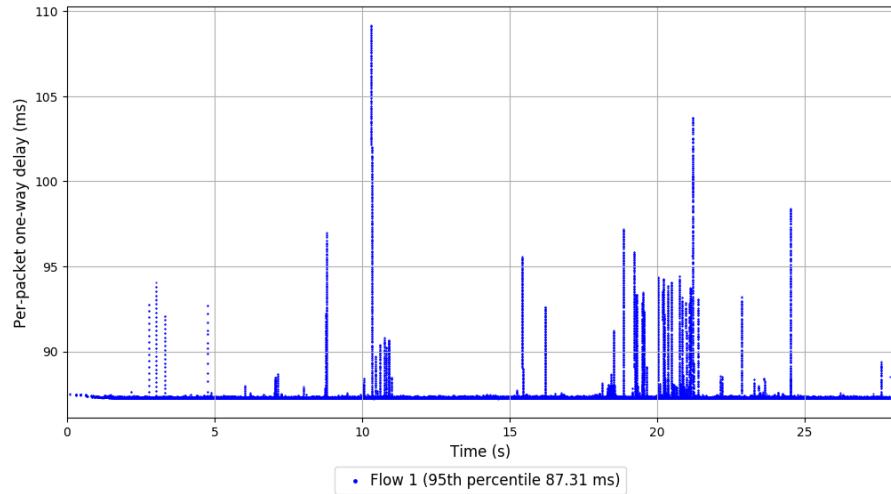
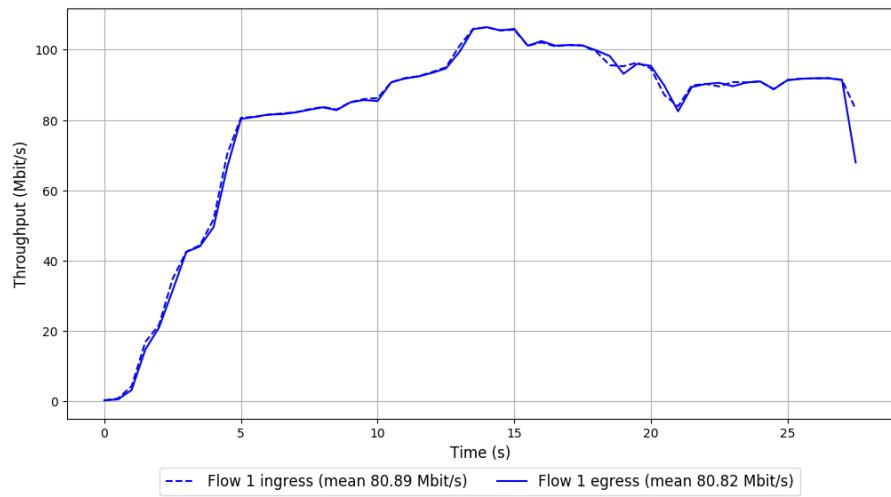


Run 7: Statistics of Copa

```
Start at: 2017-08-31 00:52:28
End at: 2017-08-31 00:52:58
Local clock offset: 0.403 ms
Remote clock offset: -3.697 ms

# Below is generated by plot.py at 2017-08-31 05:47:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.82 Mbit/s
95th percentile per-packet one-way delay: 87.313 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 80.82 Mbit/s
95th percentile per-packet one-way delay: 87.313 ms
Loss rate: 0.69%
```

Run 7: Report of Copa — Data Link

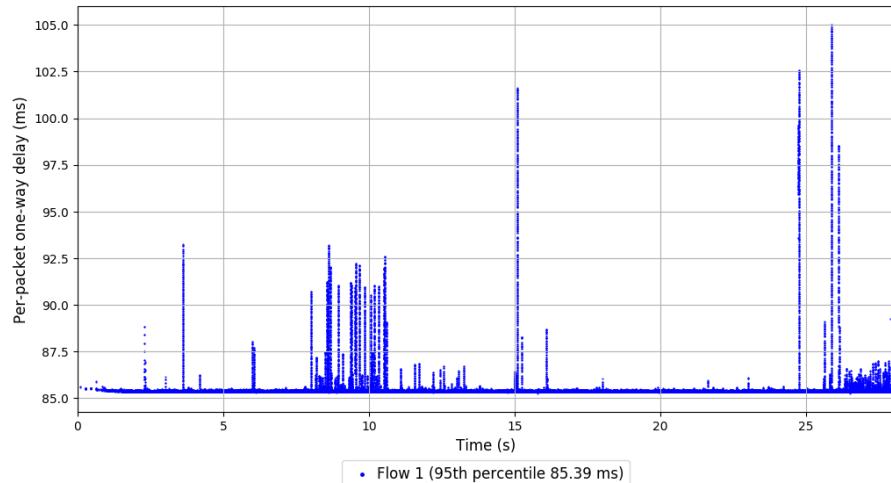
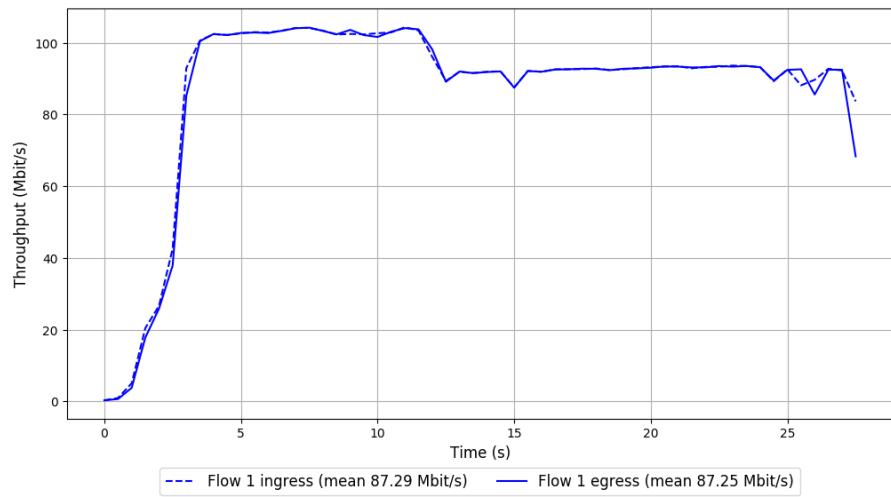


Run 8: Statistics of Copa

```
Start at: 2017-08-31 01:11:32
End at: 2017-08-31 01:12:02
Local clock offset: 0.344 ms
Remote clock offset: -3.849 ms

# Below is generated by plot.py at 2017-08-31 05:47:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 85.390 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 85.390 ms
Loss rate: 0.64%
```

Run 8: Report of Copa — Data Link

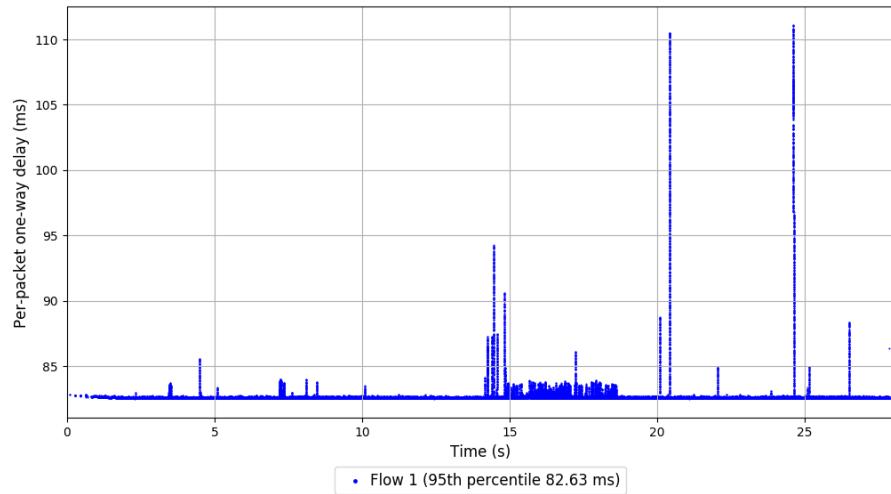
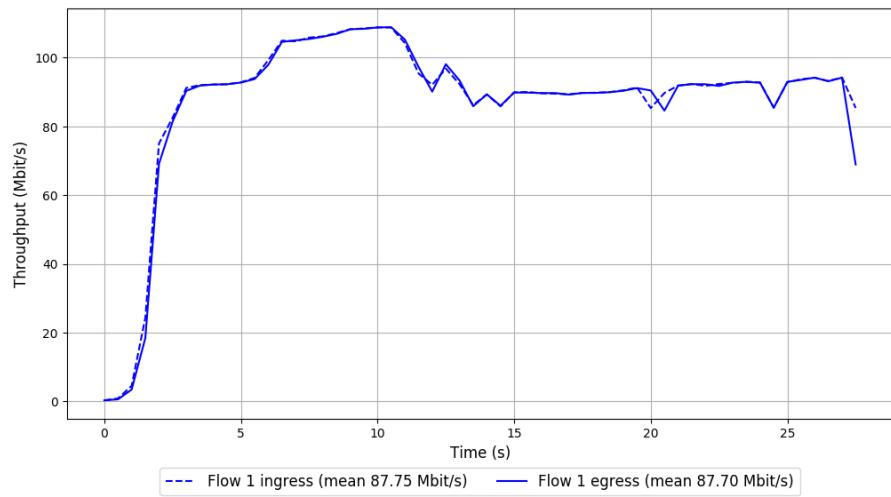


Run 9: Statistics of Copa

```
Start at: 2017-08-31 01:30:43
End at: 2017-08-31 01:31:13
Local clock offset: 0.315 ms
Remote clock offset: 0.16 ms

# Below is generated by plot.py at 2017-08-31 05:47:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 82.630 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 82.630 ms
Loss rate: 0.66%
```

Run 9: Report of Copa — Data Link

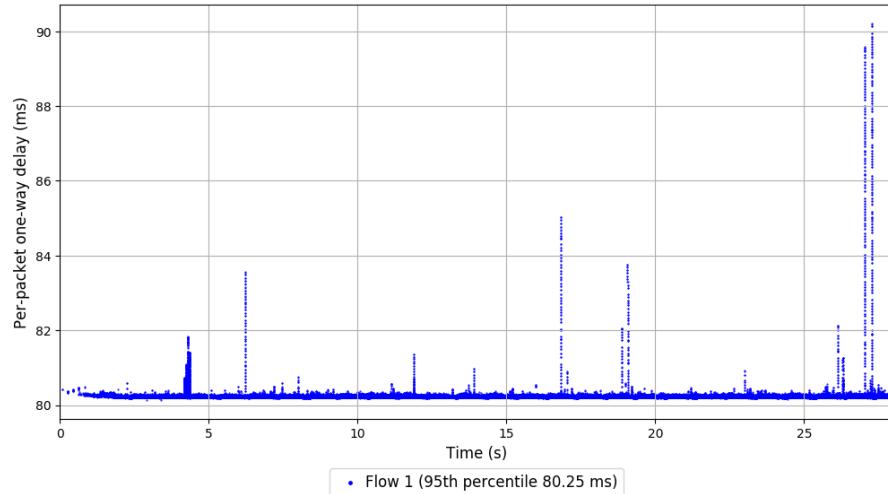
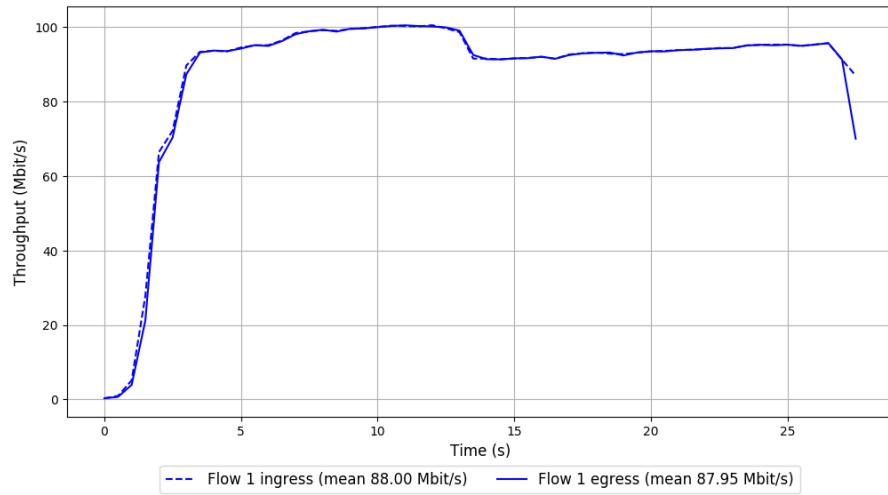


Run 10: Statistics of Copa

```
Start at: 2017-08-31 01:50:08
End at: 2017-08-31 01:50:38
Local clock offset: 0.231 ms
Remote clock offset: 0.763 ms

# Below is generated by plot.py at 2017-08-31 05:47:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 80.255 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 80.255 ms
Loss rate: 0.66%
```

Run 10: Report of Copa — Data Link

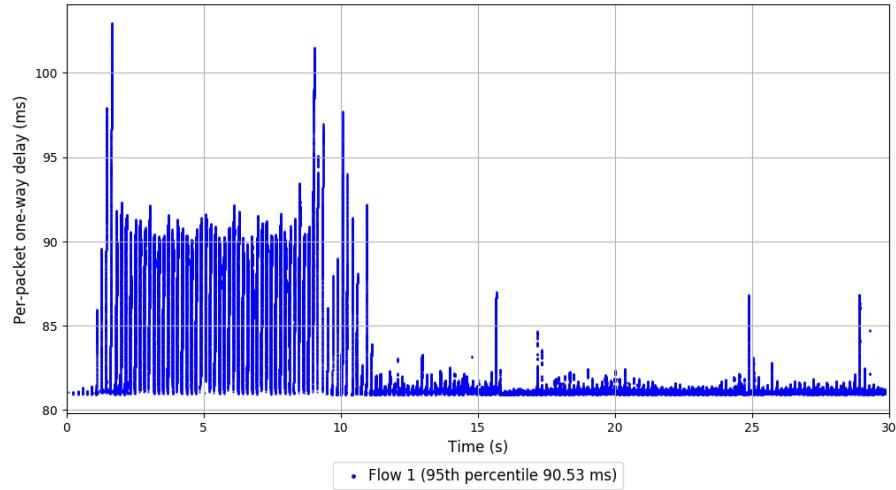
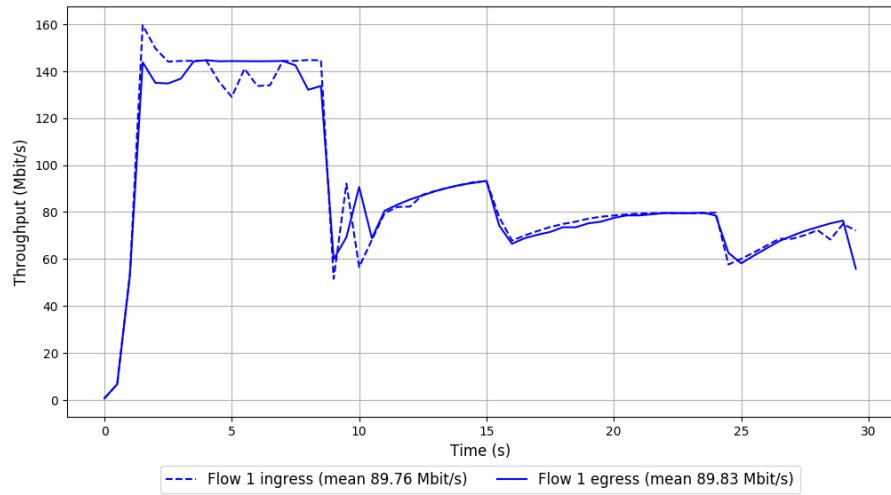


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-08-30 22:58:42
End at: 2017-08-30 22:59:12
Local clock offset: 0.259 ms
Remote clock offset: -0.421 ms

# Below is generated by plot.py at 2017-08-31 05:47:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 90.533 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 90.533 ms
Loss rate: 0.48%
```

Run 1: Report of TCP Cubic — Data Link

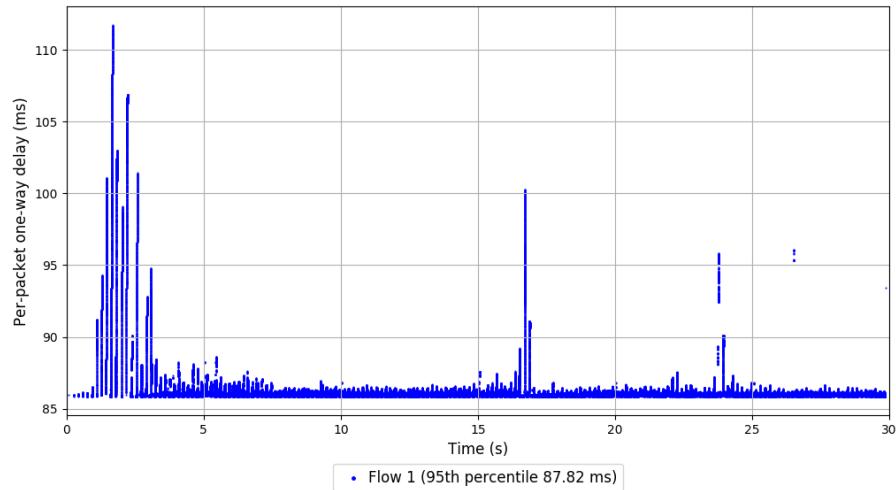
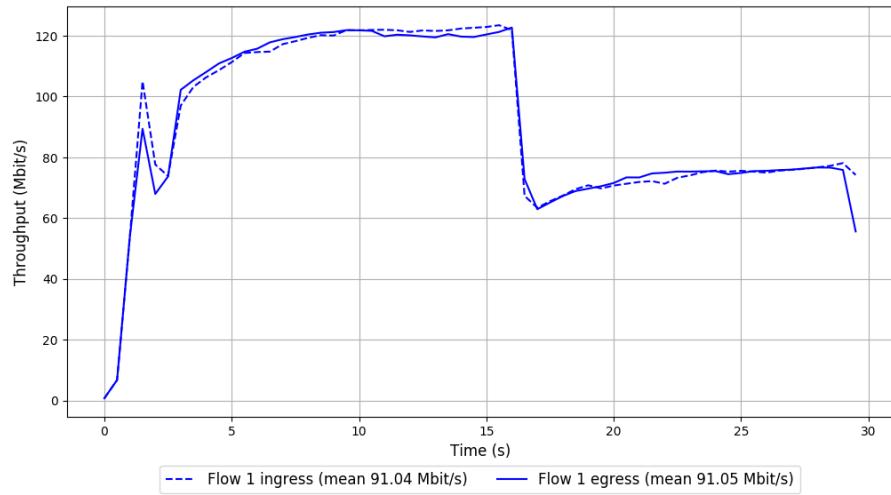


Run 2: Statistics of TCP Cubic

```
Start at: 2017-08-30 23:17:56
End at: 2017-08-30 23:18:26
Local clock offset: 0.34 ms
Remote clock offset: -4.875 ms

# Below is generated by plot.py at 2017-08-31 05:47:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 87.823 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 87.823 ms
Loss rate: 0.49%
```

Run 2: Report of TCP Cubic — Data Link

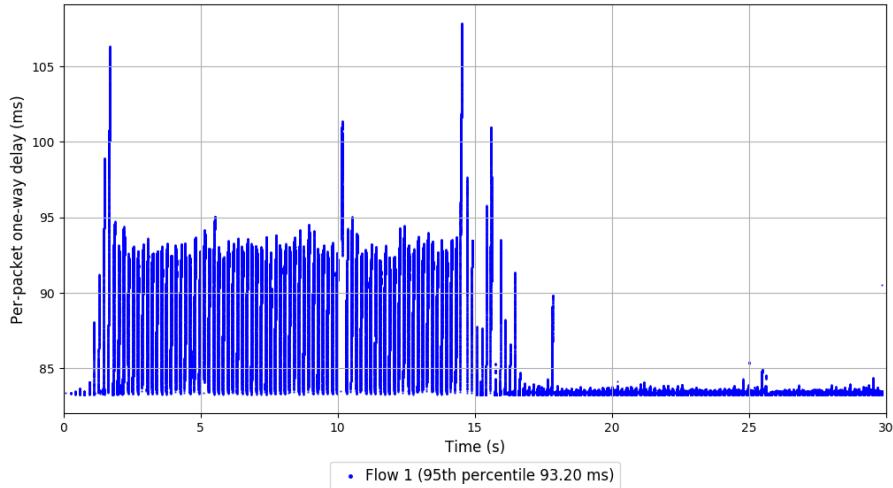
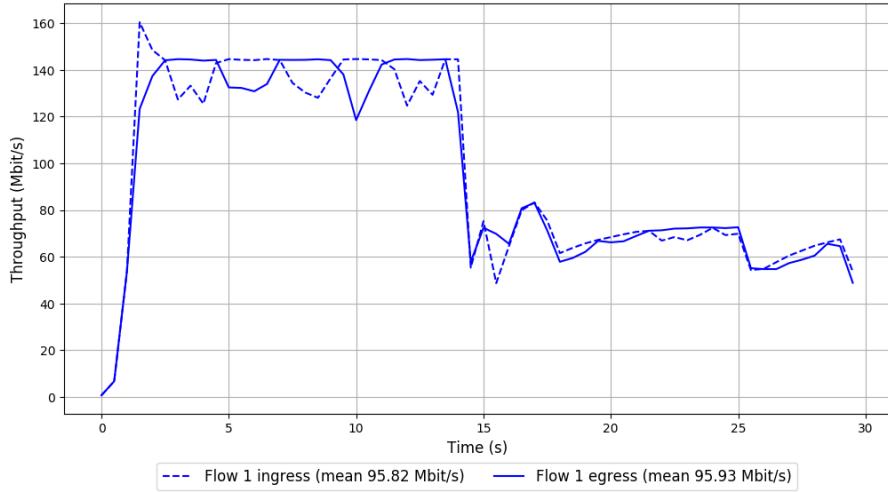


Run 3: Statistics of TCP Cubic

```
Start at: 2017-08-30 23:37:15
End at: 2017-08-30 23:37:45
Local clock offset: 0.396 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2017-08-31 05:48:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 93.196 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 93.196 ms
Loss rate: 0.40%
```

Run 3: Report of TCP Cubic — Data Link

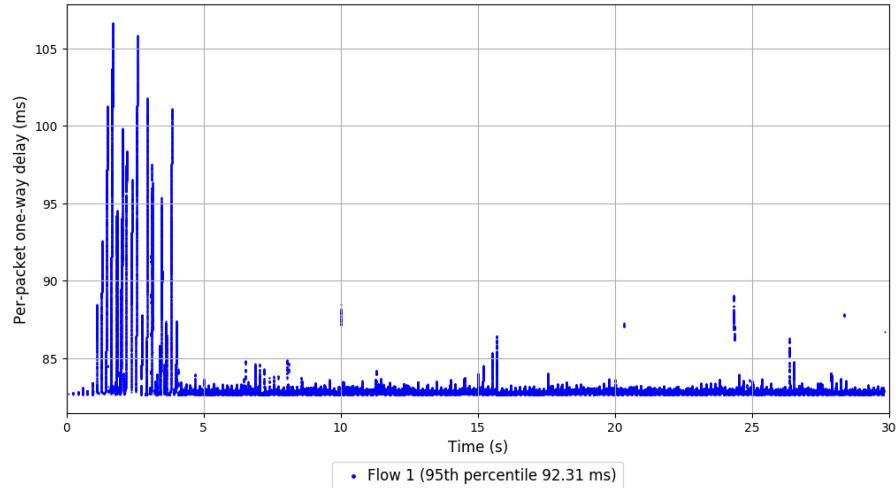
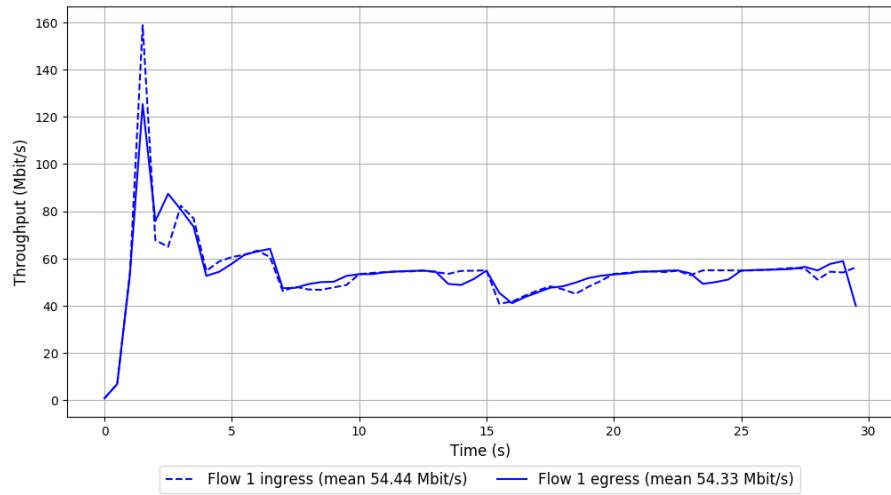


Run 4: Statistics of TCP Cubic

```
Start at: 2017-08-30 23:56:21
End at: 2017-08-30 23:56:51
Local clock offset: 0.584 ms
Remote clock offset: 0.473 ms

# Below is generated by plot.py at 2017-08-31 05:48:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 92.311 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 92.311 ms
Loss rate: 0.62%
```

Run 4: Report of TCP Cubic — Data Link

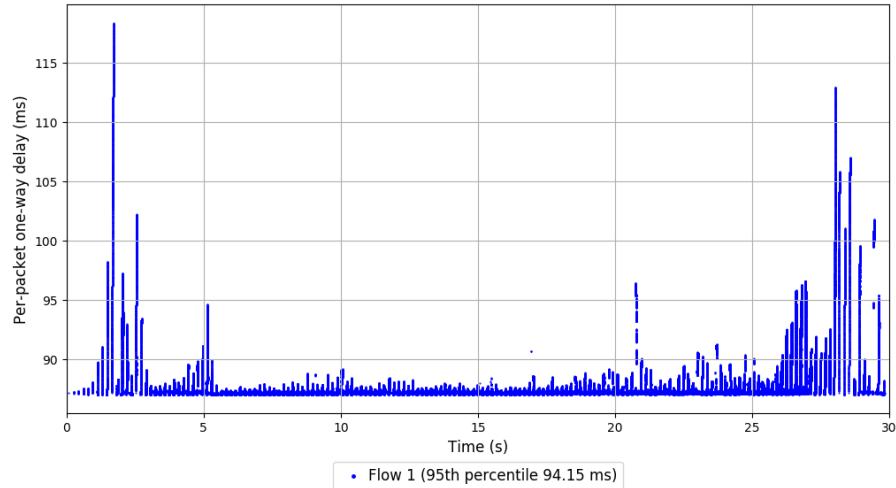
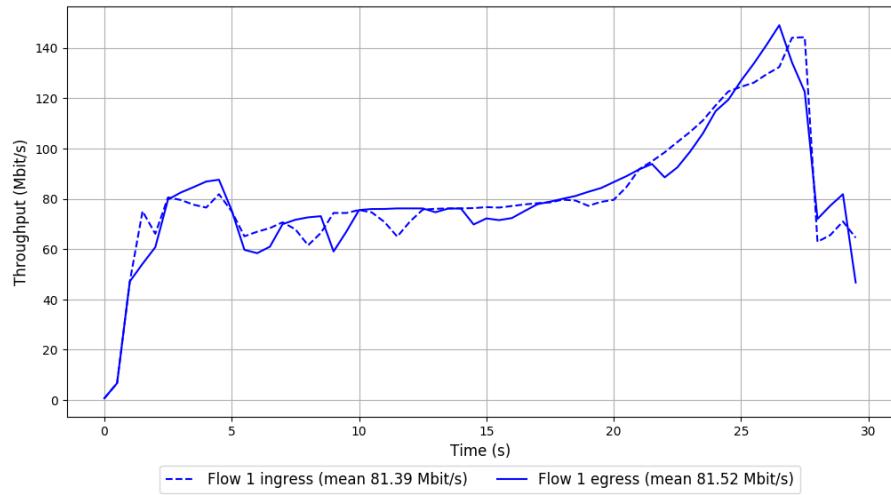


Run 5: Statistics of TCP Cubic

```
Start at: 2017-08-31 00:15:44
End at: 2017-08-31 00:16:14
Local clock offset: 0.501 ms
Remote clock offset: -3.501 ms

# Below is generated by plot.py at 2017-08-31 05:48:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 94.147 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 94.147 ms
Loss rate: 0.41%
```

Run 5: Report of TCP Cubic — Data Link

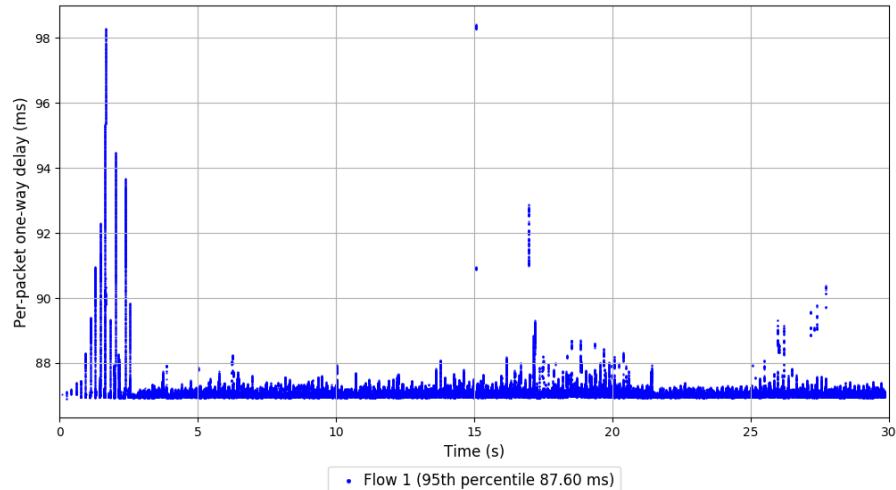
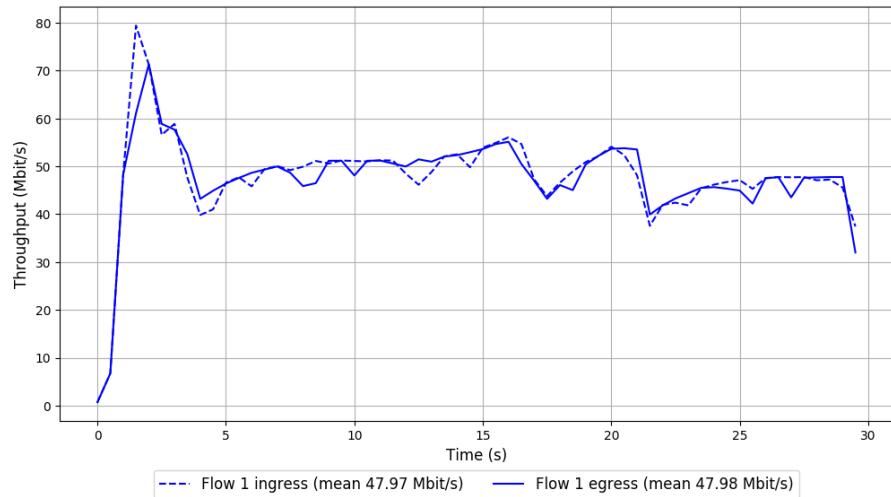


Run 6: Statistics of TCP Cubic

```
Start at: 2017-08-31 00:34:43
End at: 2017-08-31 00:35:13
Local clock offset: 0.386 ms
Remote clock offset: -3.418 ms

# Below is generated by plot.py at 2017-08-31 05:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 87.598 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 87.598 ms
Loss rate: 0.56%
```

Run 6: Report of TCP Cubic — Data Link

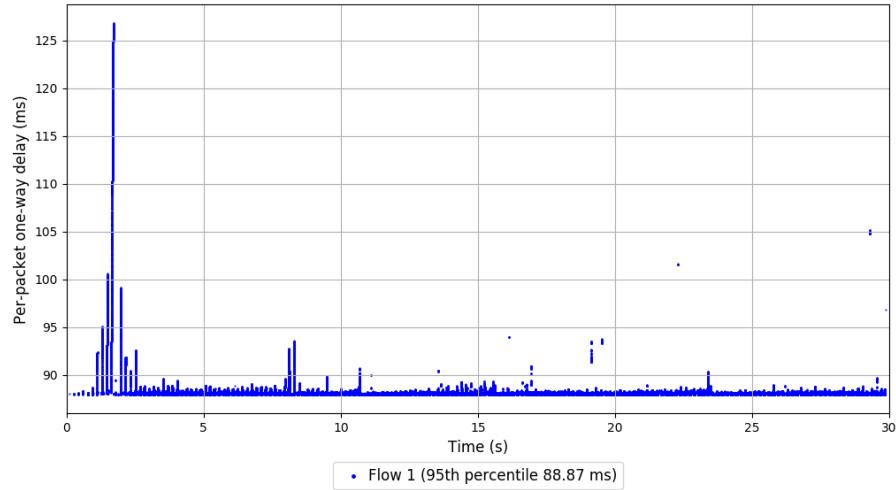
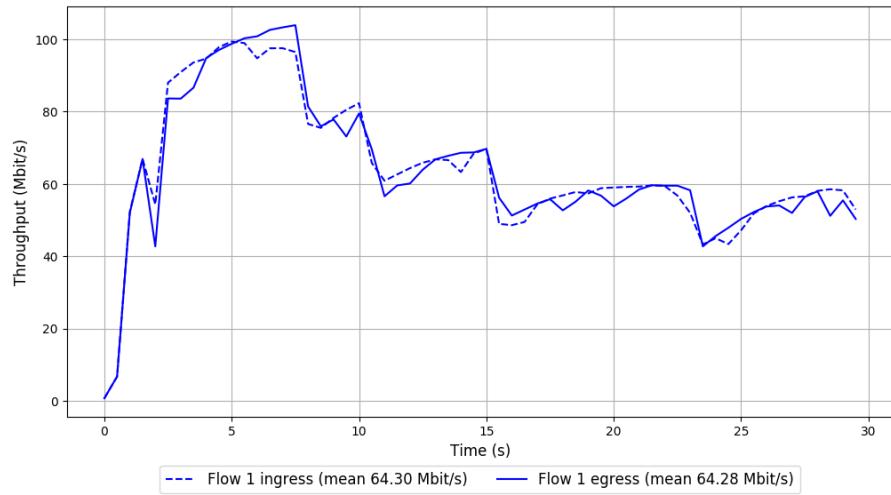


Run 7: Statistics of TCP Cubic

```
Start at: 2017-08-31 00:53:46
End at: 2017-08-31 00:54:16
Local clock offset: 0.335 ms
Remote clock offset: -4.512 ms

# Below is generated by plot.py at 2017-08-31 05:48:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 88.871 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 88.871 ms
Loss rate: 0.51%
```

Run 7: Report of TCP Cubic — Data Link

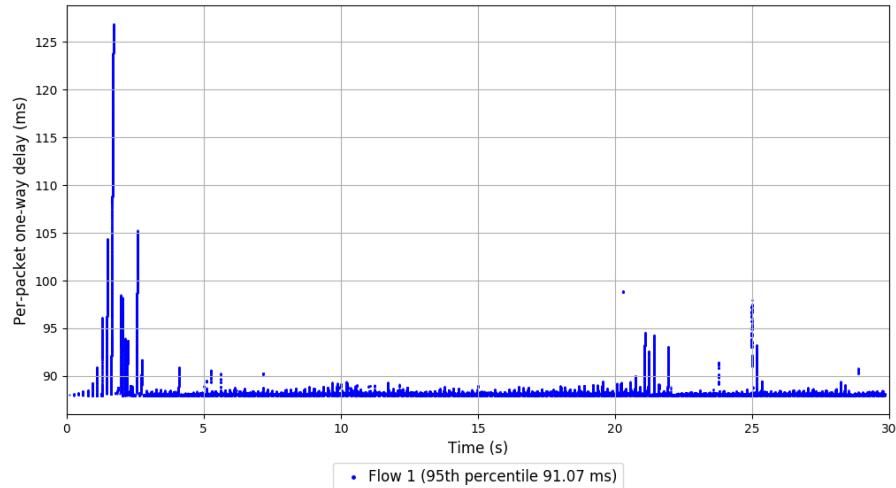
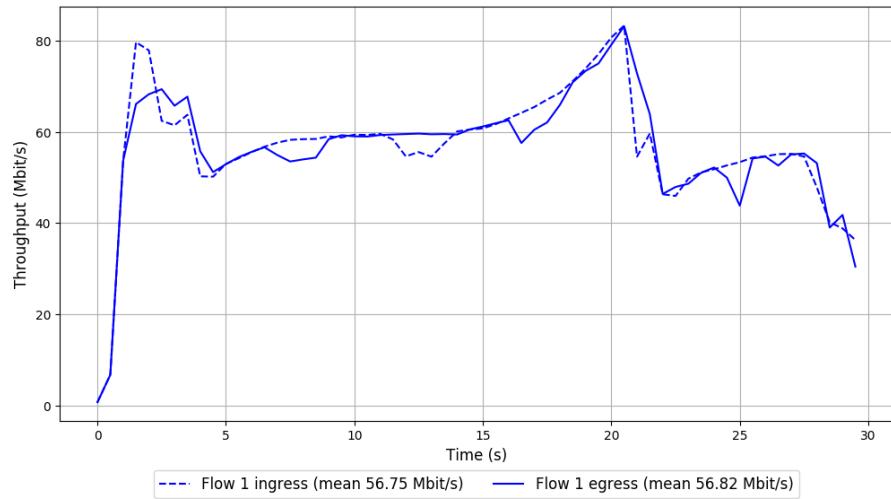


Run 8: Statistics of TCP Cubic

```
Start at: 2017-08-31 01:12:51
End at: 2017-08-31 01:13:21
Local clock offset: 0.247 ms
Remote clock offset: -4.742 ms

# Below is generated by plot.py at 2017-08-31 05:48:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 91.072 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 91.072 ms
Loss rate: 0.45%
```

Run 8: Report of TCP Cubic — Data Link

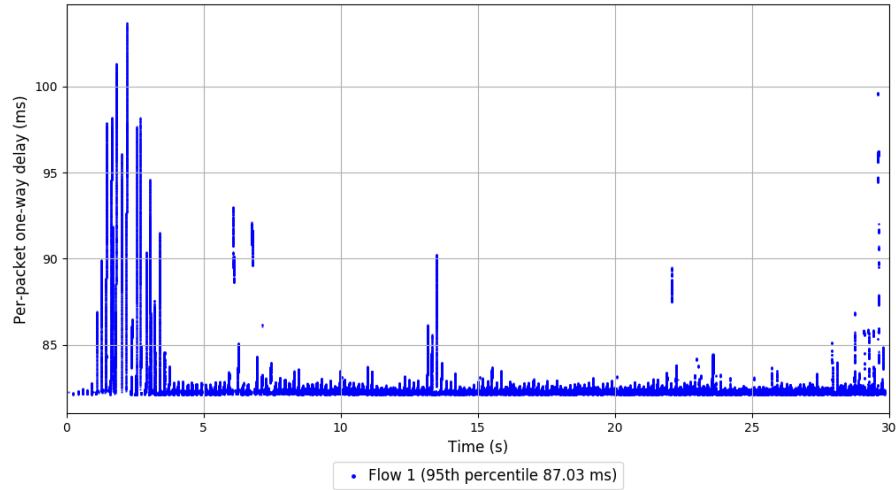
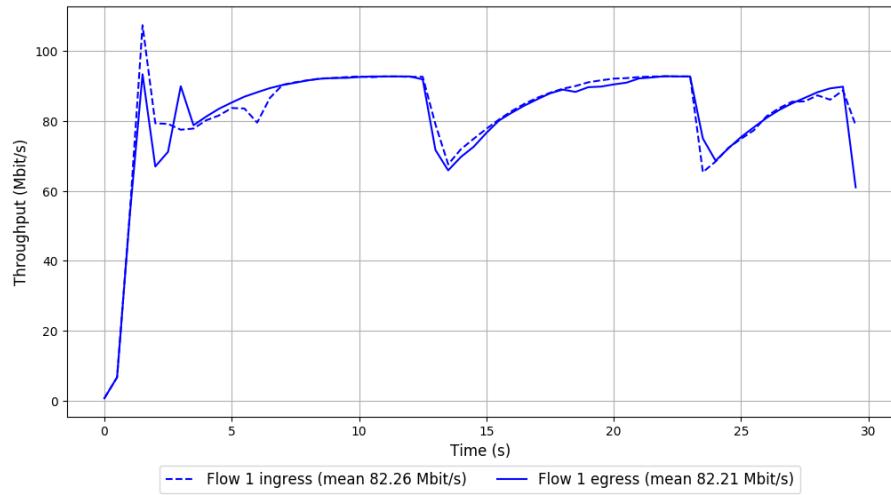


Run 9: Statistics of TCP Cubic

```
Start at: 2017-08-31 01:32:02
End at: 2017-08-31 01:32:32
Local clock offset: 0.323 ms
Remote clock offset: -0.792 ms

# Below is generated by plot.py at 2017-08-31 05:48:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 87.031 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 87.031 ms
Loss rate: 0.62%
```

Run 9: Report of TCP Cubic — Data Link

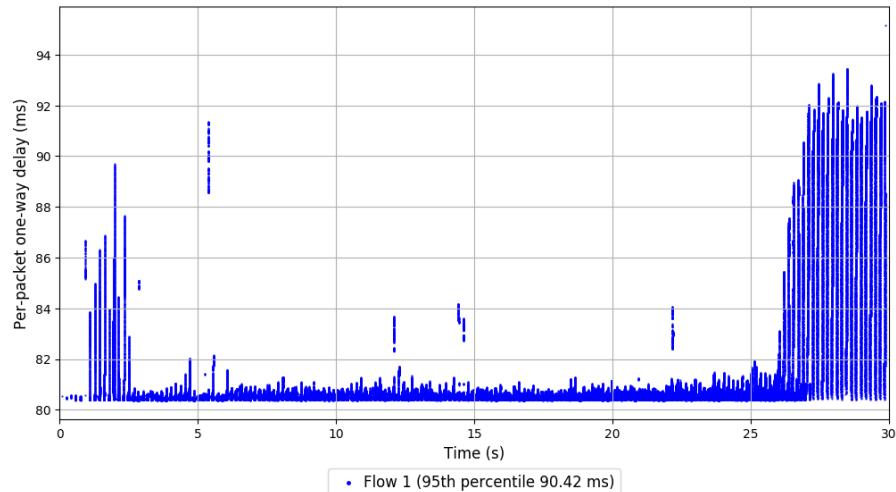
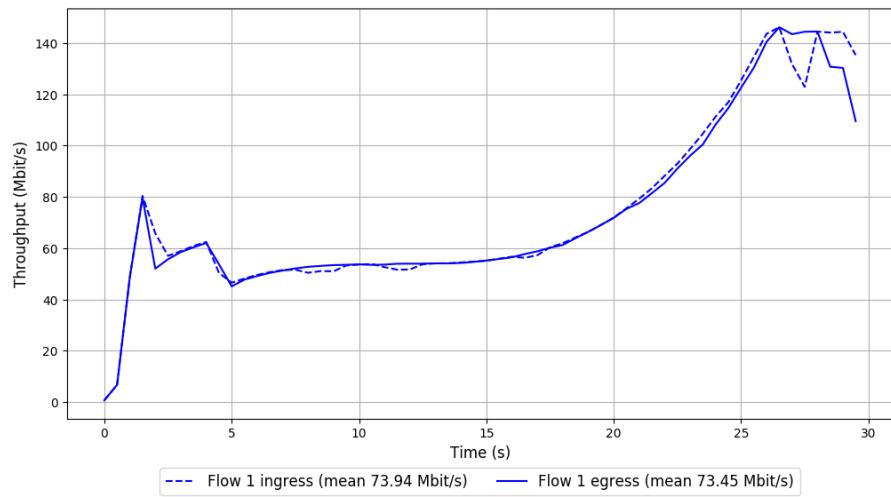


Run 10: Statistics of TCP Cubic

```
Start at: 2017-08-31 01:51:28
End at: 2017-08-31 01:51:58
Local clock offset: 0.341 ms
Remote clock offset: 0.681 ms

# Below is generated by plot.py at 2017-08-31 05:48:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.45 Mbit/s
95th percentile per-packet one-way delay: 90.421 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 73.45 Mbit/s
95th percentile per-packet one-way delay: 90.421 ms
Loss rate: 1.20%
```

Run 10: Report of TCP Cubic — Data Link

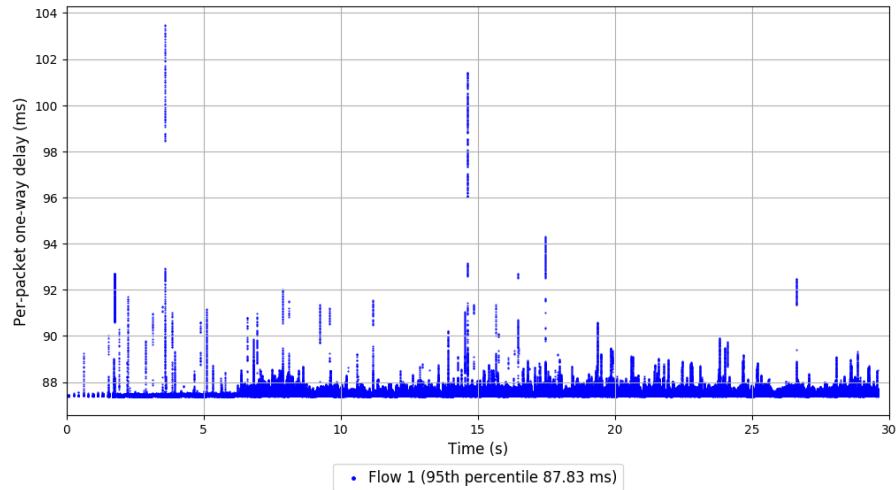
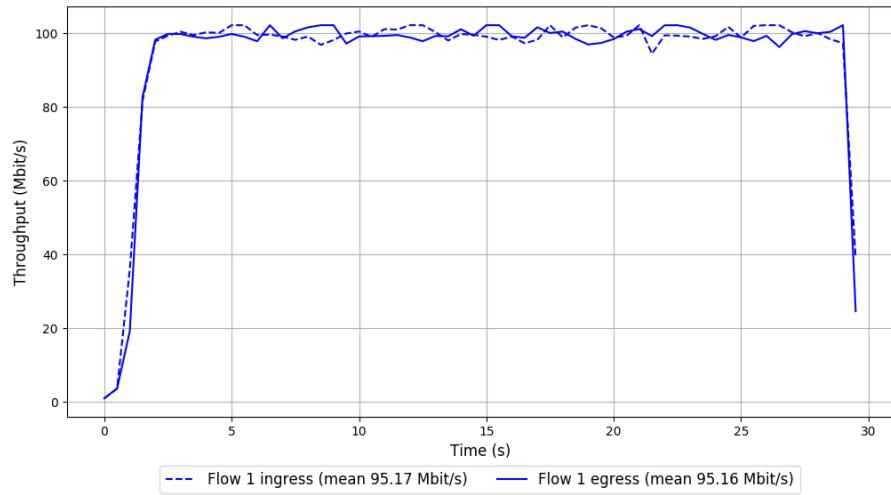


Run 1: Statistics of Indigo

```
Start at: 2017-08-30 22:56:06
End at: 2017-08-30 22:56:36
Local clock offset: 0.29 ms
Remote clock offset: -5.126 ms

# Below is generated by plot.py at 2017-08-31 05:48:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 87.835 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 87.835 ms
Loss rate: 0.58%
```

Run 1: Report of Indigo — Data Link

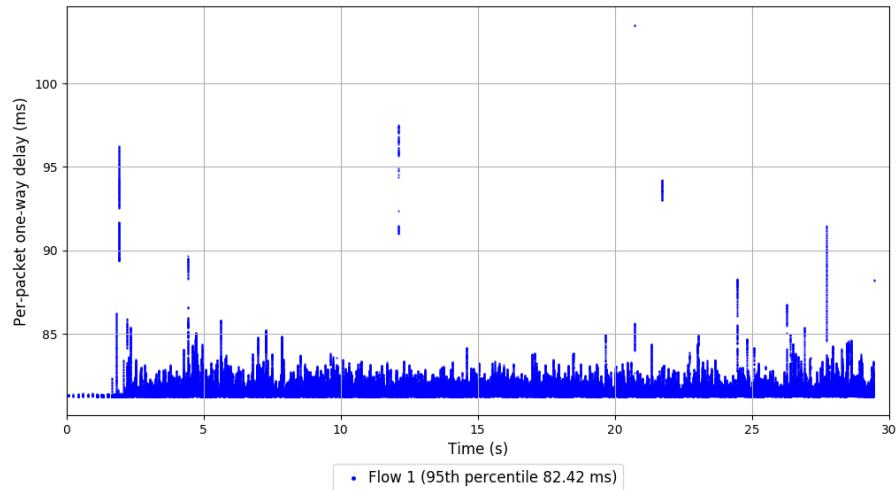
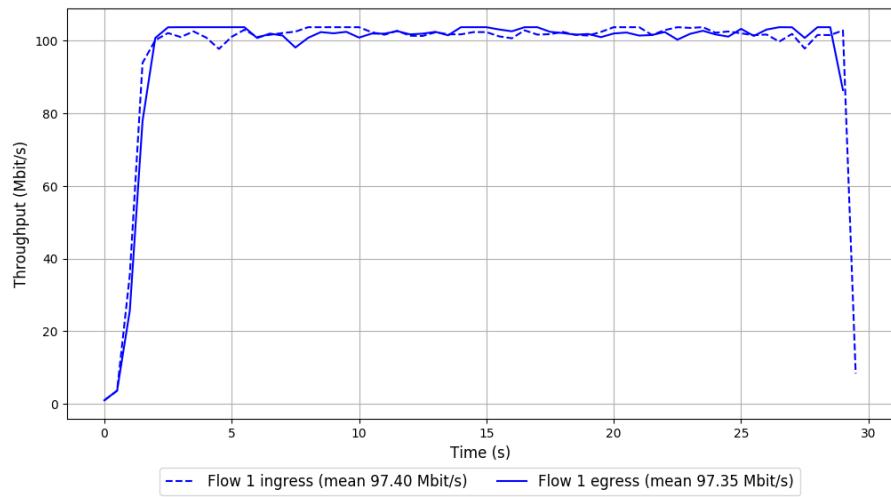


Run 2: Statistics of Indigo

```
Start at: 2017-08-30 23:15:20
End at: 2017-08-30 23:15:50
Local clock offset: 0.293 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2017-08-31 05:48:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 82.420 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 82.420 ms
Loss rate: 0.60%
```

Run 2: Report of Indigo — Data Link

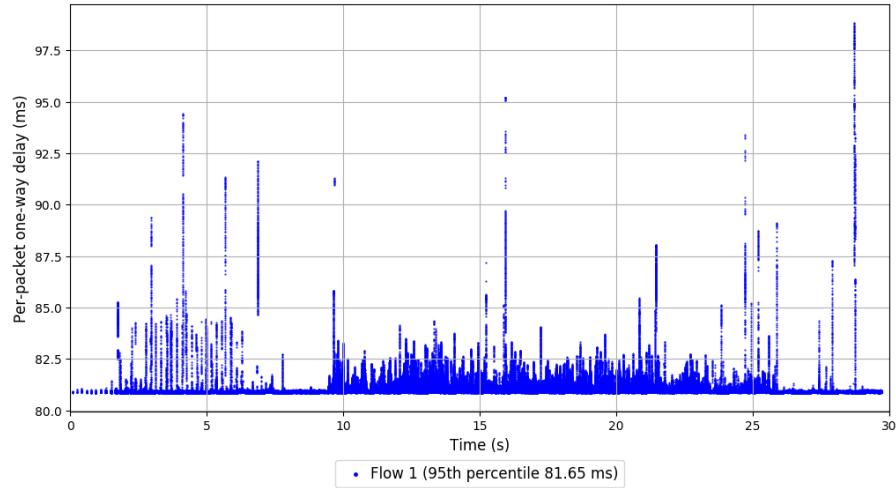
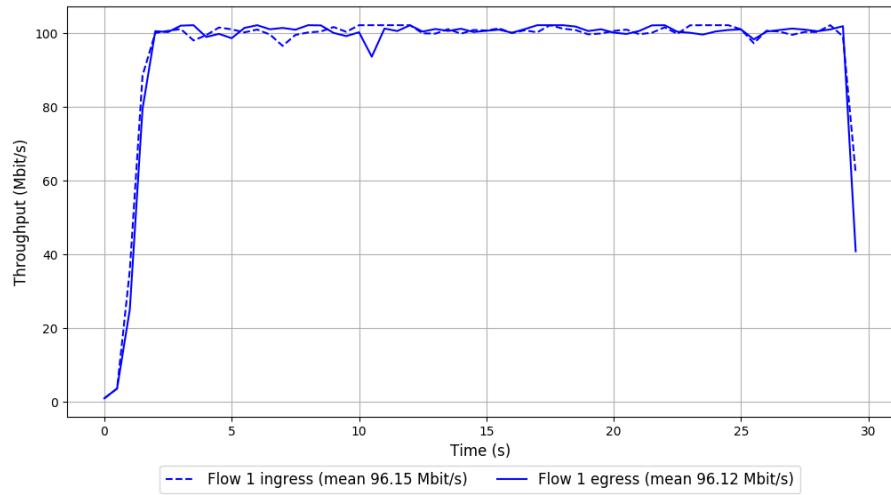


Run 3: Statistics of Indigo

```
Start at: 2017-08-30 23:34:38
End at: 2017-08-30 23:35:08
Local clock offset: 0.343 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at 2017-08-31 05:48:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 81.652 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 81.652 ms
Loss rate: 0.60%
```

Run 3: Report of Indigo — Data Link

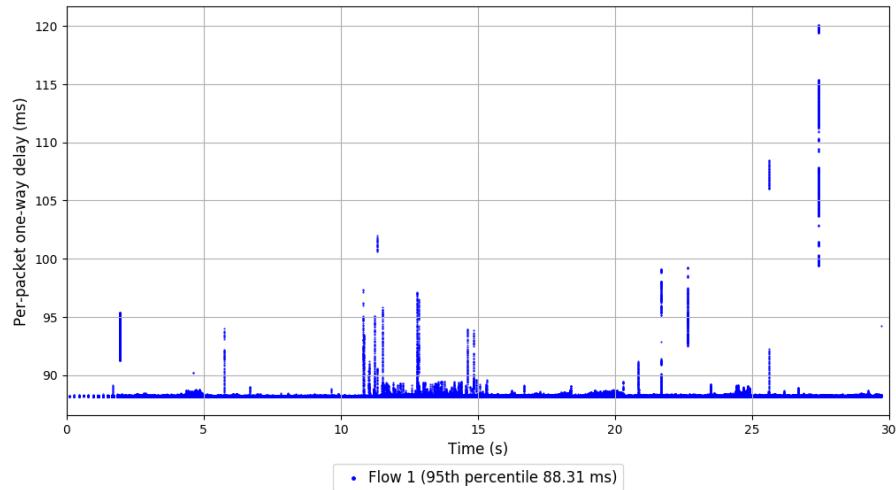
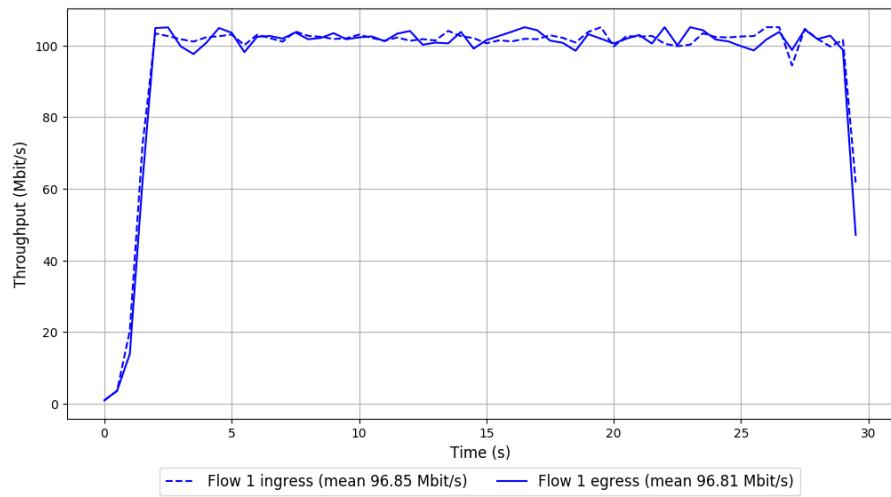


Run 4: Statistics of Indigo

```
Start at: 2017-08-30 23:53:48
End at: 2017-08-30 23:54:18
Local clock offset: 0.449 ms
Remote clock offset: -4.689 ms

# Below is generated by plot.py at 2017-08-31 05:48:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 88.312 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 88.312 ms
Loss rate: 0.61%
```

Run 4: Report of Indigo — Data Link

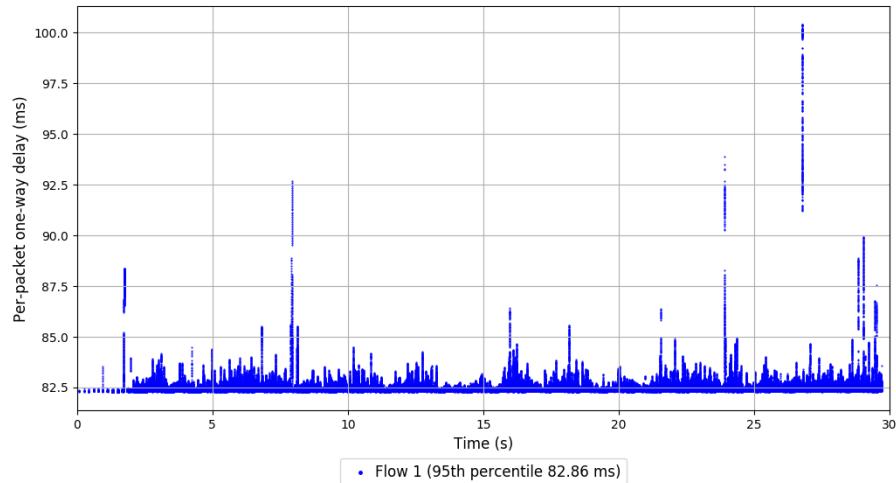
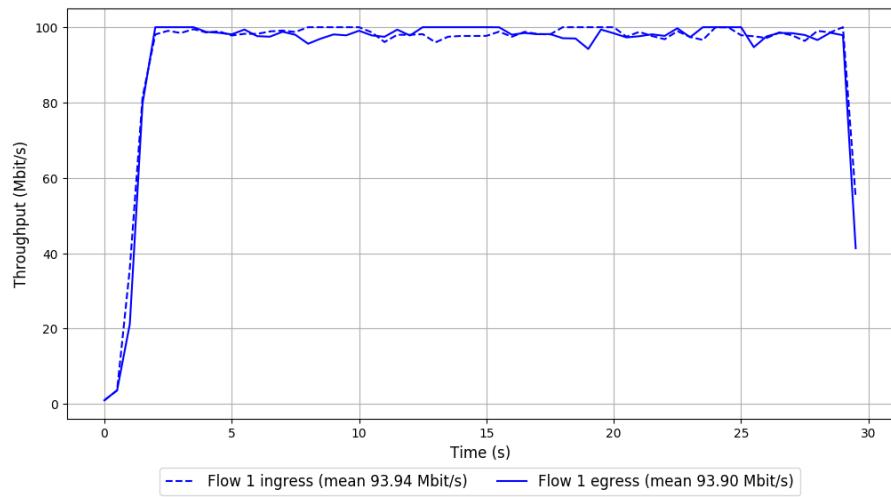


Run 5: Statistics of Indigo

```
Start at: 2017-08-31 00:13:07
End at: 2017-08-31 00:13:37
Local clock offset: 0.474 ms
Remote clock offset: -0.536 ms

# Below is generated by plot.py at 2017-08-31 05:49:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 82.863 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 82.863 ms
Loss rate: 0.60%
```

Run 5: Report of Indigo — Data Link

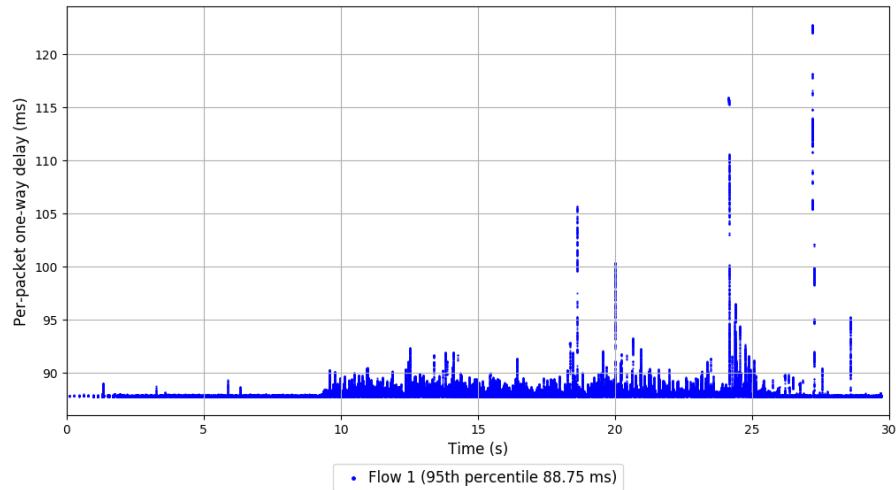
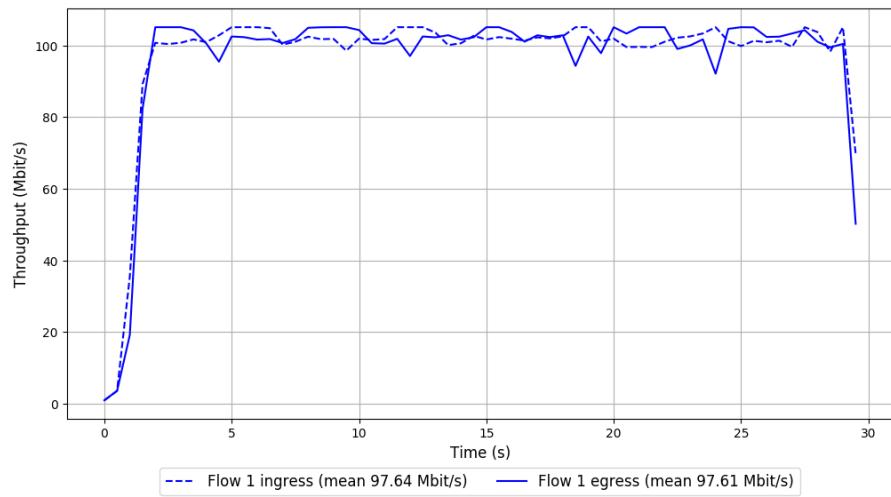


Run 6: Statistics of Indigo

```
Start at: 2017-08-31 00:32:13
End at: 2017-08-31 00:32:43
Local clock offset: 0.486 ms
Remote clock offset: -4.179 ms

# Below is generated by plot.py at 2017-08-31 05:49:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.61 Mbit/s
95th percentile per-packet one-way delay: 88.748 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 97.61 Mbit/s
95th percentile per-packet one-way delay: 88.748 ms
Loss rate: 0.61%
```

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-08-31 00:51:10

End at: 2017-08-31 00:51:40

Local clock offset: 0.304 ms

Remote clock offset: -4.44 ms

Below is generated by plot.py at 2017-08-31 05:49:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.74 Mbit/s

95th percentile per-packet one-way delay: 87.562 ms

Loss rate: 0.60%

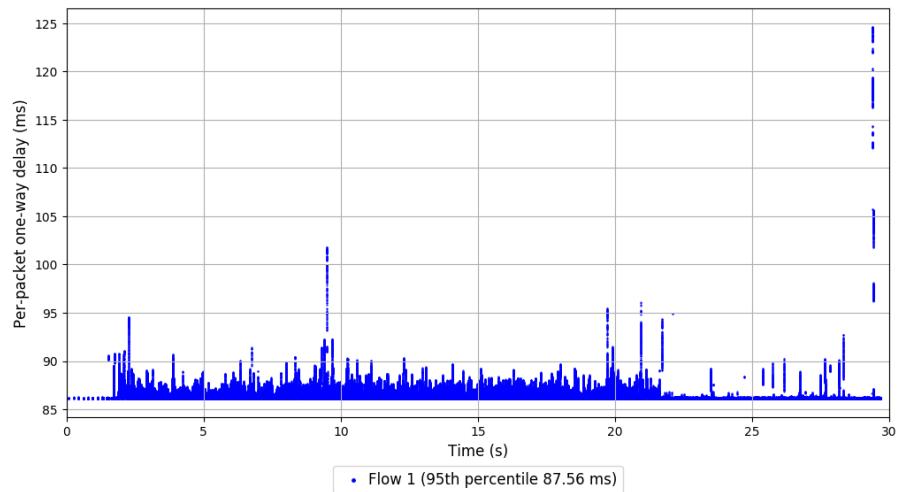
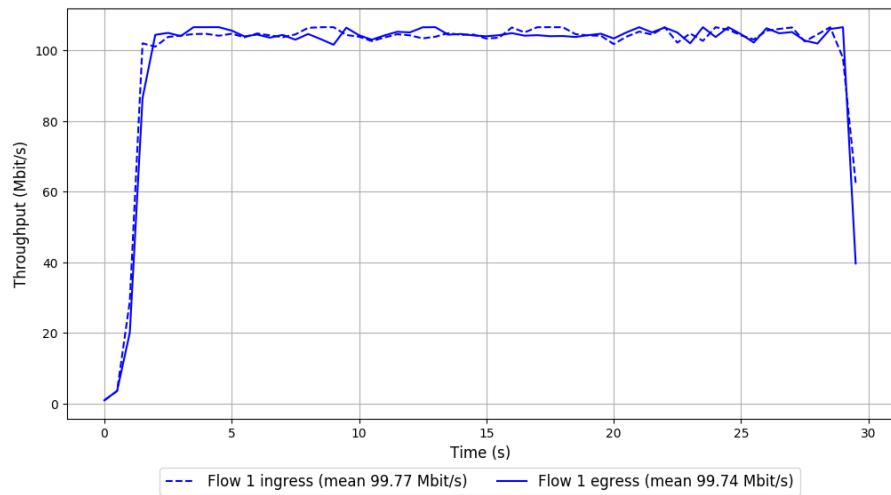
-- Flow 1:

Average throughput: 99.74 Mbit/s

95th percentile per-packet one-way delay: 87.562 ms

Loss rate: 0.60%

Run 7: Report of Indigo — Data Link

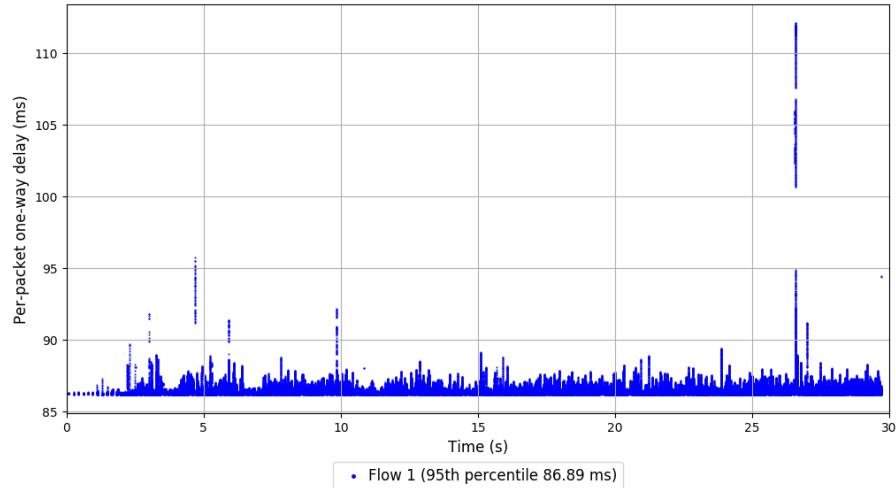
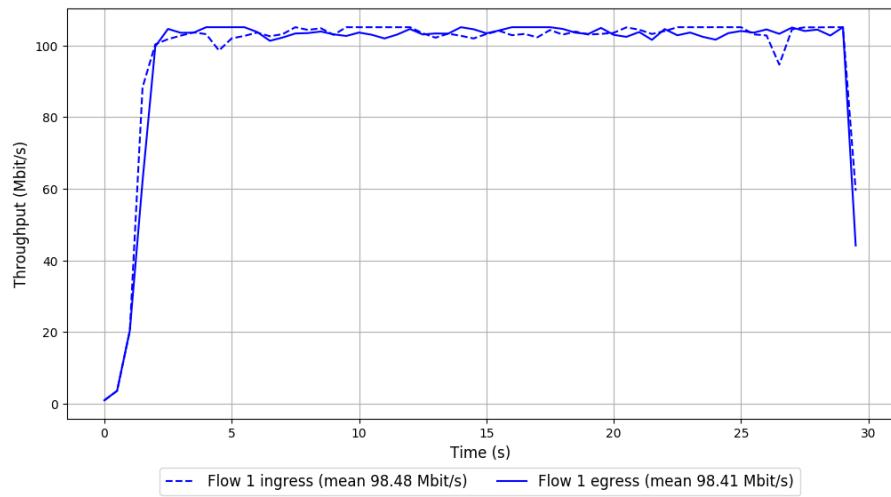


Run 8: Statistics of Indigo

```
Start at: 2017-08-31 01:10:14
End at: 2017-08-31 01:10:44
Local clock offset: 0.337 ms
Remote clock offset: -4.724 ms

# Below is generated by plot.py at 2017-08-31 05:49:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.41 Mbit/s
95th percentile per-packet one-way delay: 86.891 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 98.41 Mbit/s
95th percentile per-packet one-way delay: 86.891 ms
Loss rate: 0.60%
```

Run 8: Report of Indigo — Data Link

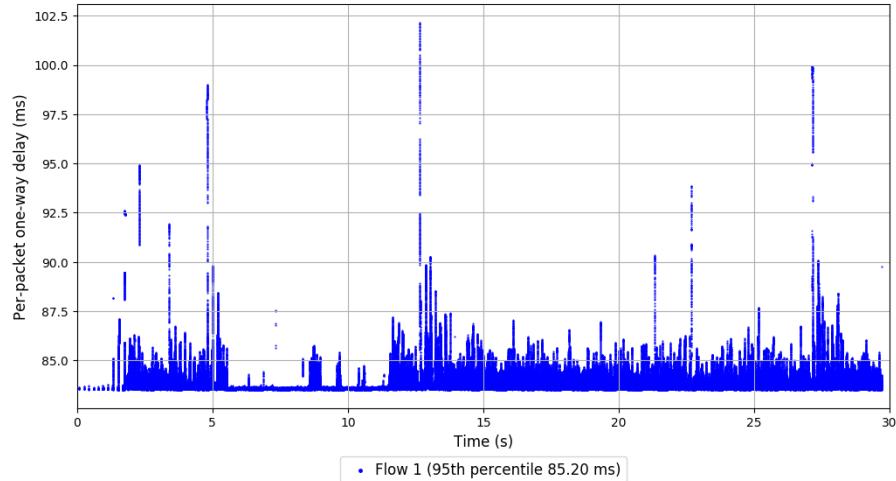
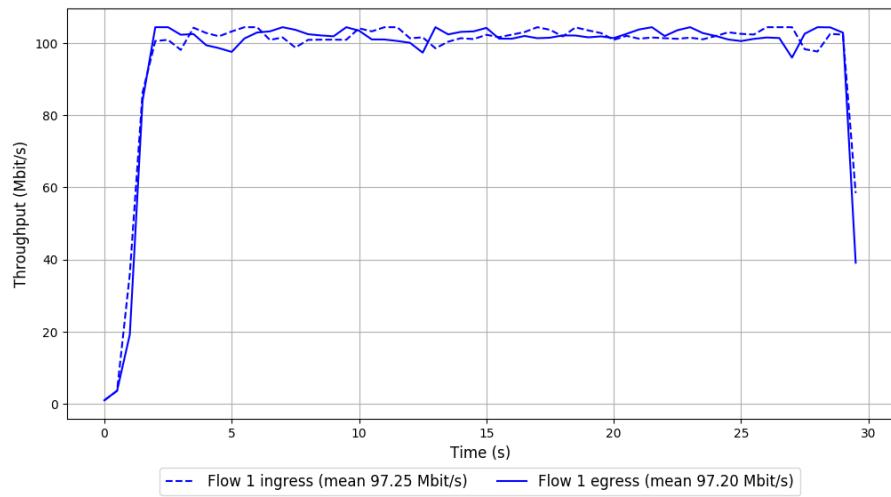


Run 9: Statistics of Indigo

```
Start at: 2017-08-31 01:29:26
End at: 2017-08-31 01:29:56
Local clock offset: 0.381 ms
Remote clock offset: -0.719 ms

# Below is generated by plot.py at 2017-08-31 05:49:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 85.205 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 85.205 ms
Loss rate: 0.60%
```

Run 9: Report of Indigo — Data Link

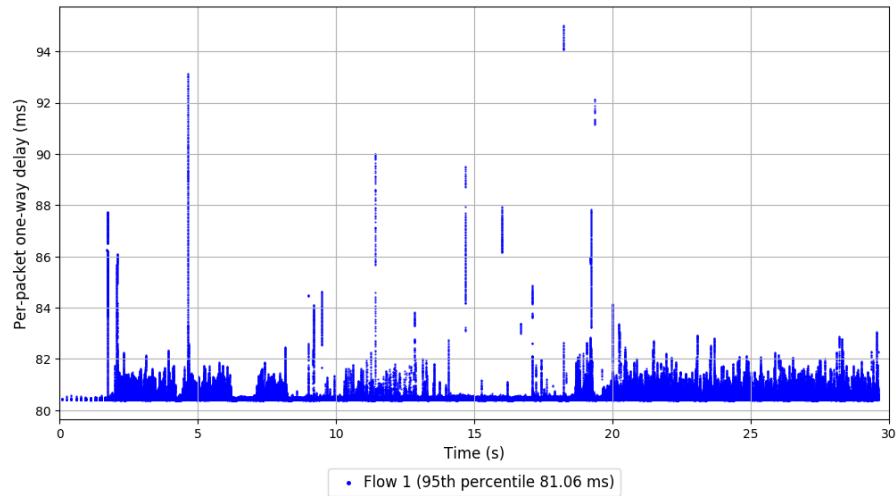
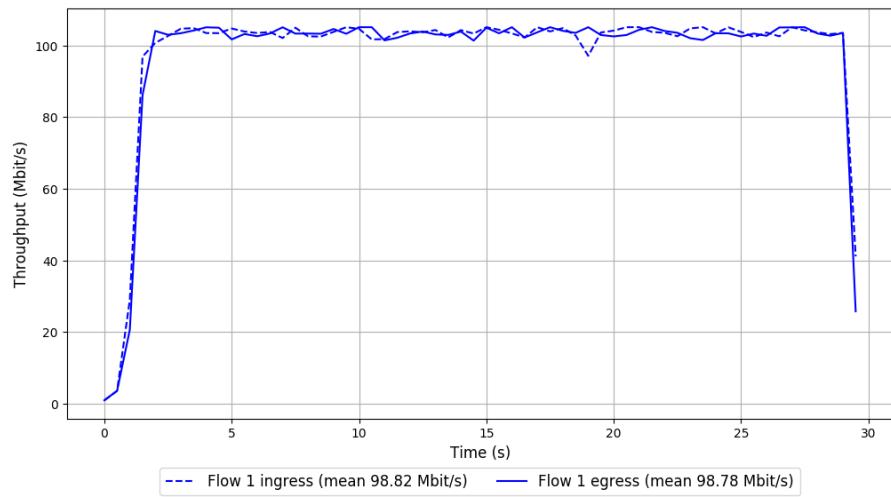


Run 10: Statistics of Indigo

```
Start at: 2017-08-31 01:48:50
End at: 2017-08-31 01:49:20
Local clock offset: 0.314 ms
Remote clock offset: 0.658 ms

# Below is generated by plot.py at 2017-08-31 05:49:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.78 Mbit/s
95th percentile per-packet one-way delay: 81.062 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 98.78 Mbit/s
95th percentile per-packet one-way delay: 81.062 ms
Loss rate: 0.59%
```

Run 10: Report of Indigo — Data Link

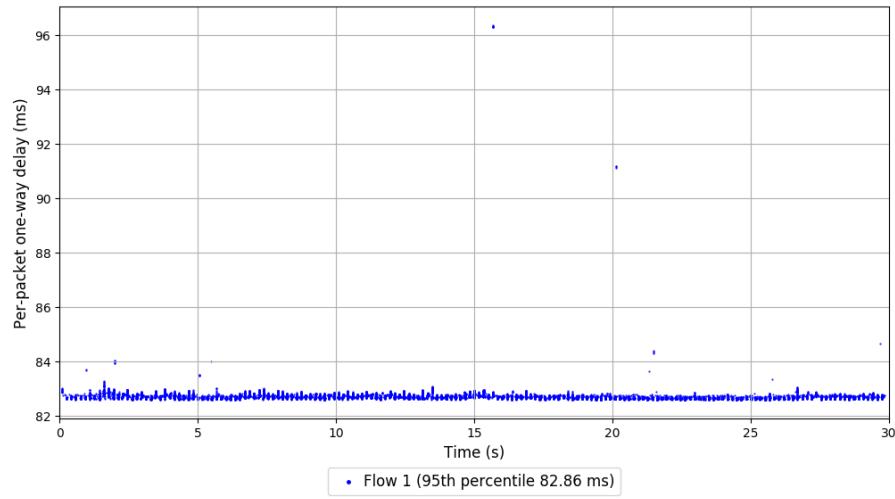
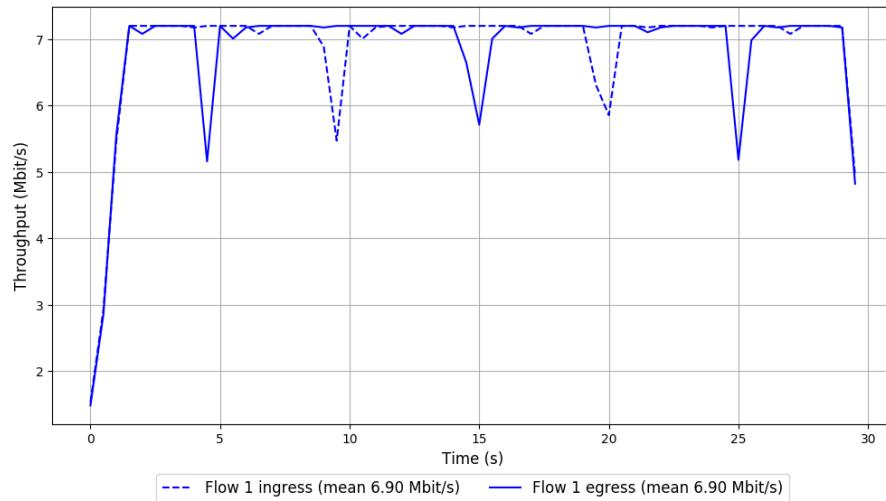


Run 1: Statistics of KohoCC

```
Start at: 2017-08-30 23:03:29
End at: 2017-08-30 23:03:59
Local clock offset: 0.196 ms
Remote clock offset: -0.342 ms

# Below is generated by plot.py at 2017-08-31 05:49:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 82.864 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 82.864 ms
Loss rate: 0.58%
```

Run 1: Report of KohoCC — Data Link

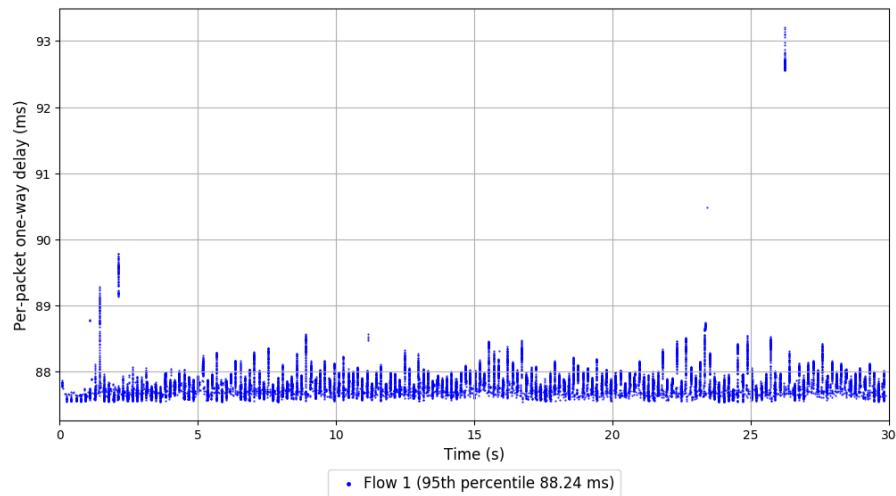
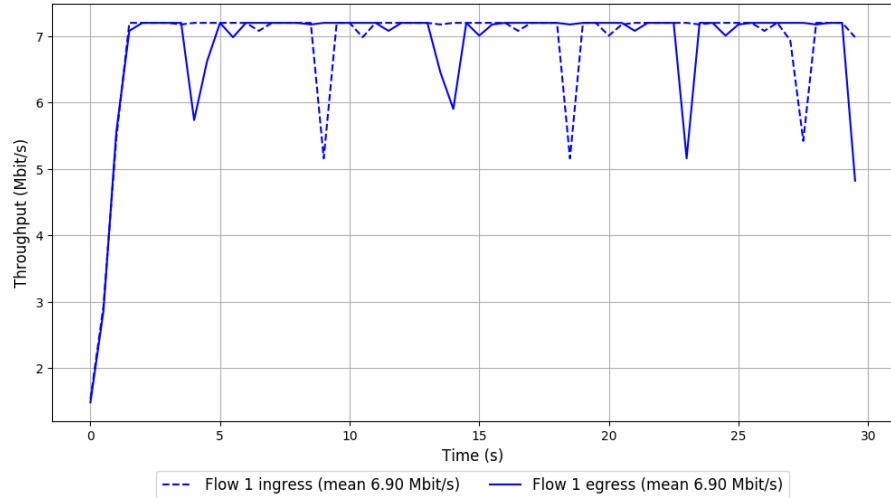


Run 2: Statistics of KohoCC

```
Start at: 2017-08-30 23:22:46
End at: 2017-08-30 23:23:16
Local clock offset: 0.272 ms
Remote clock offset: -4.704 ms

# Below is generated by plot.py at 2017-08-31 05:49:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 88.236 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 88.236 ms
Loss rate: 0.58%
```

Run 2: Report of KohoCC — Data Link

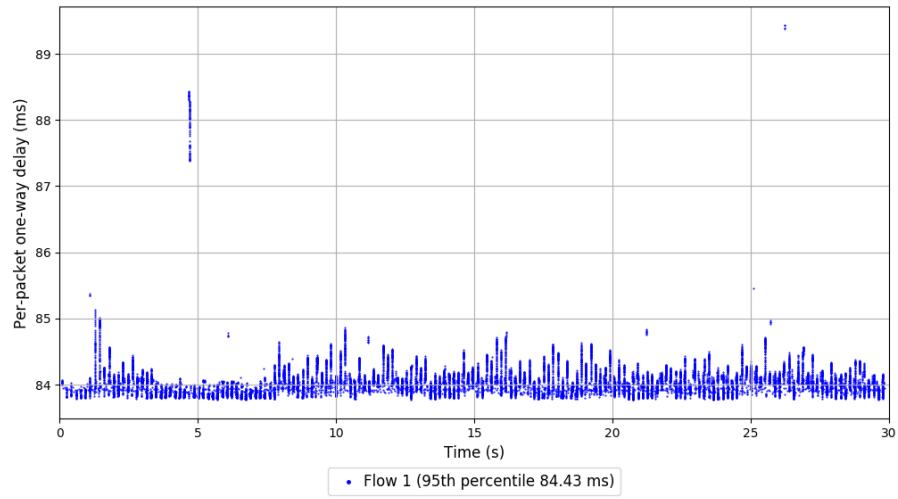
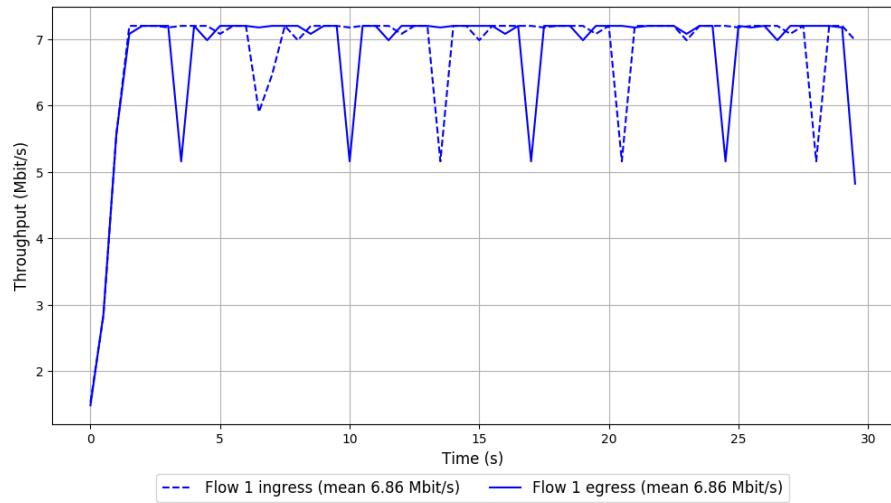


Run 3: Statistics of KohoCC

```
Start at: 2017-08-30 23:42:03
End at: 2017-08-30 23:42:33
Local clock offset: 0.423 ms
Remote clock offset: -0.739 ms

# Below is generated by plot.py at 2017-08-31 05:49:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 84.430 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 84.430 ms
Loss rate: 0.59%
```

Run 3: Report of KohoCC — Data Link

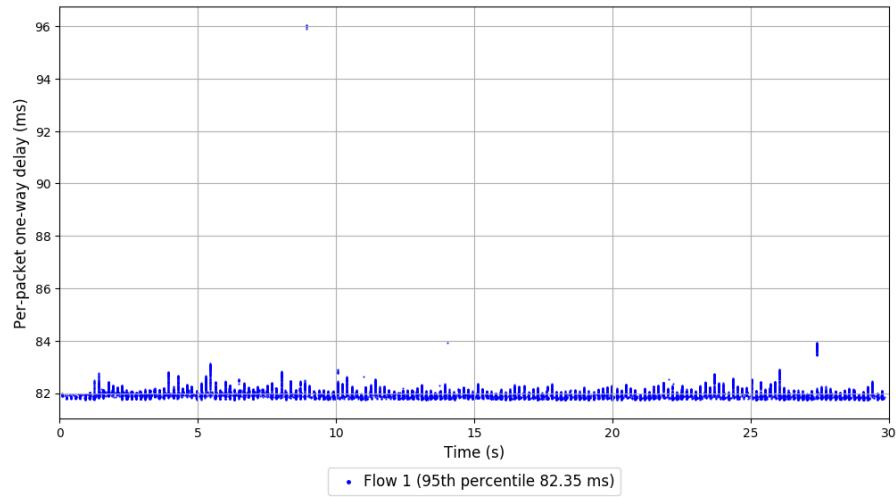
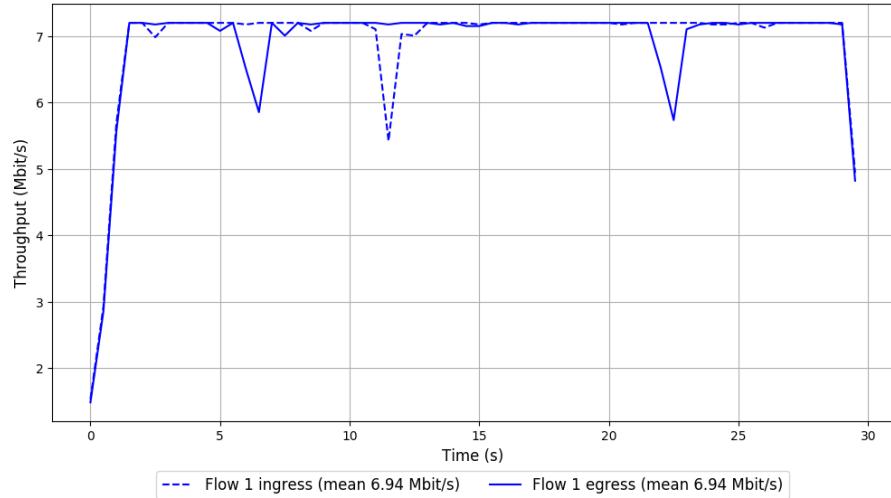


Run 4: Statistics of KohoCC

```
Start at: 2017-08-31 00:01:06
End at: 2017-08-31 00:01:36
Local clock offset: 0.405 ms
Remote clock offset: -0.478 ms

# Below is generated by plot.py at 2017-08-31 05:49:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 82.353 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 82.353 ms
Loss rate: 0.59%
```

Run 4: Report of KohoCC — Data Link

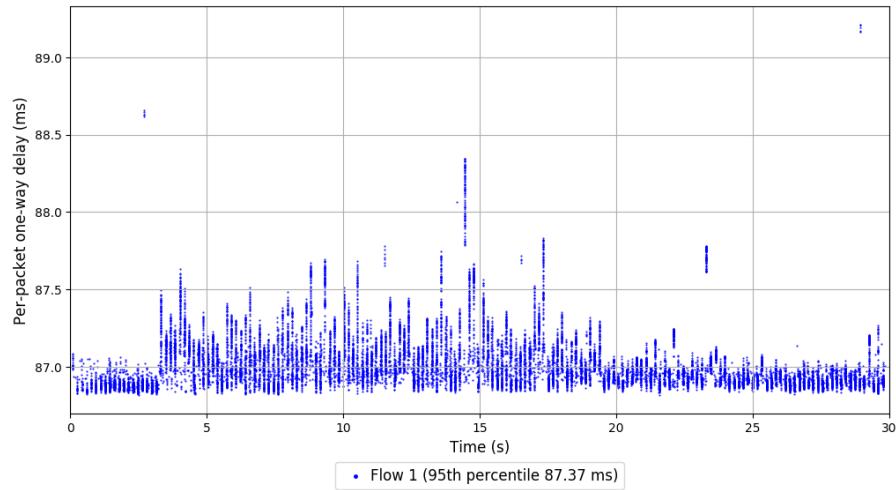
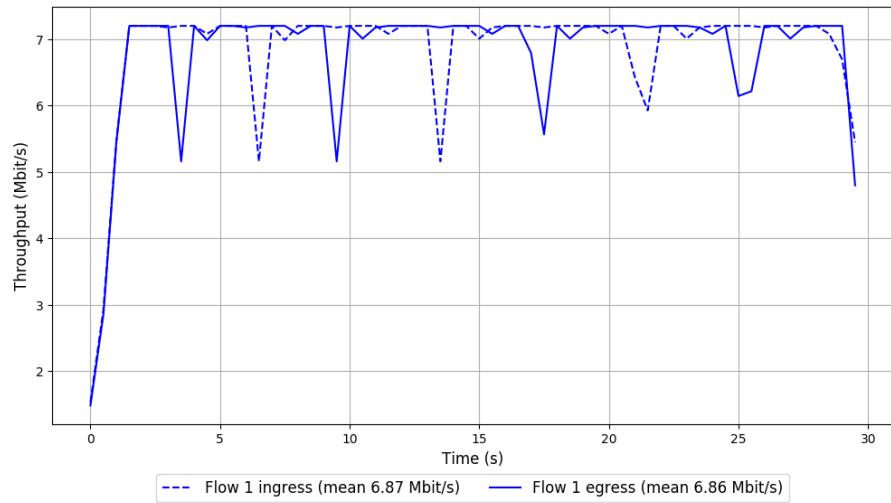


Run 5: Statistics of KohoCC

```
Start at: 2017-08-31 00:20:31
End at: 2017-08-31 00:21:01
Local clock offset: 0.476 ms
Remote clock offset: -3.463 ms

# Below is generated by plot.py at 2017-08-31 05:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 87.369 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 87.369 ms
Loss rate: 0.59%
```

Run 5: Report of KohoCC — Data Link

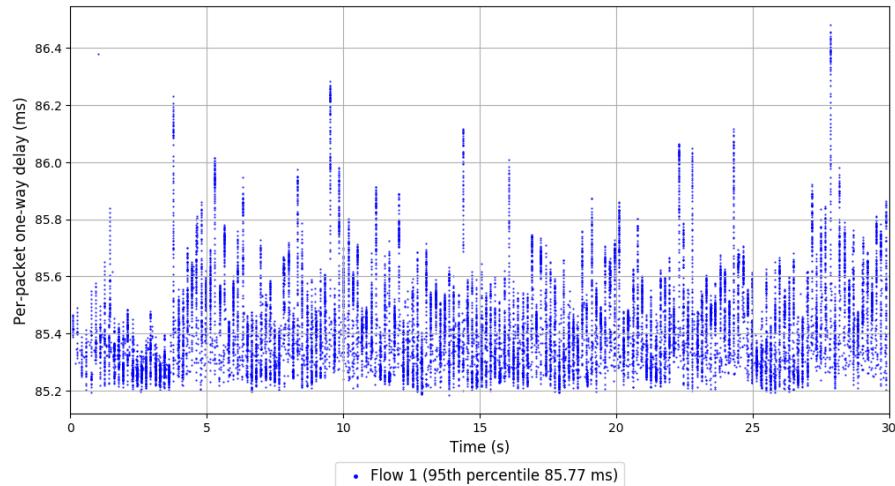
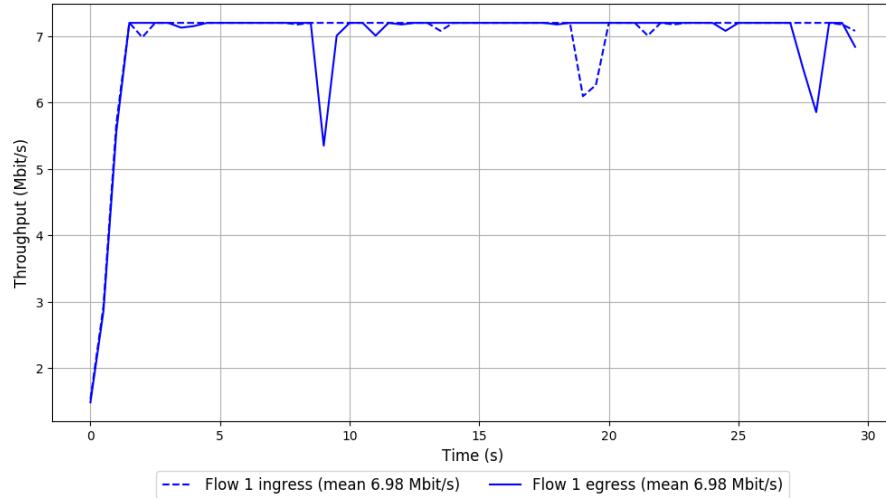


Run 6: Statistics of KohoCC

```
Start at: 2017-08-31 00:39:27
End at: 2017-08-31 00:39:57
Local clock offset: 0.433 ms
Remote clock offset: -3.405 ms

# Below is generated by plot.py at 2017-08-31 05:49:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 85.771 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 85.771 ms
Loss rate: 0.57%
```

Run 6: Report of KohoCC — Data Link

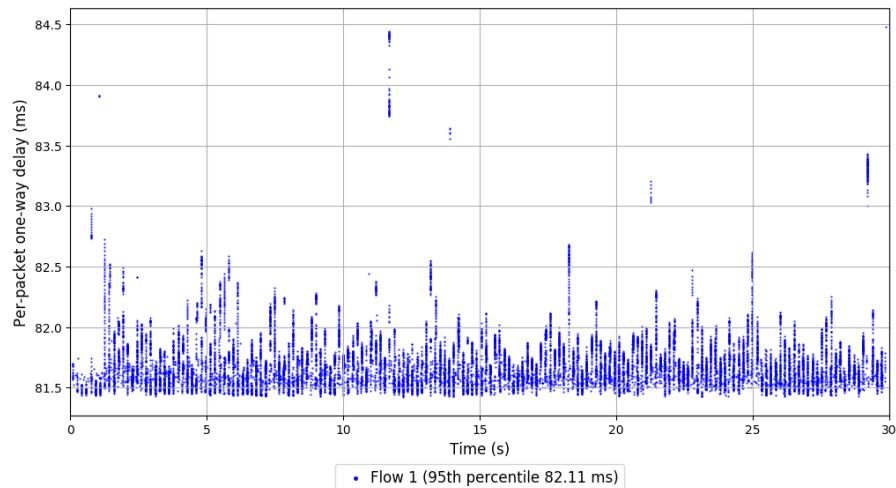
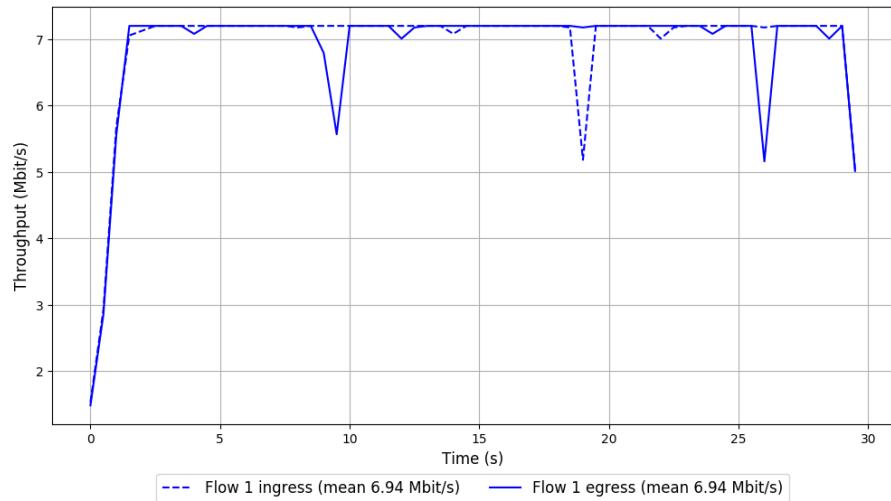


Run 7: Statistics of KohoCC

```
Start at: 2017-08-31 00:58:30
End at: 2017-08-31 00:59:00
Local clock offset: 0.351 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2017-08-31 05:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 82.114 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 82.114 ms
Loss rate: 0.57%
```

Run 7: Report of KohoCC — Data Link

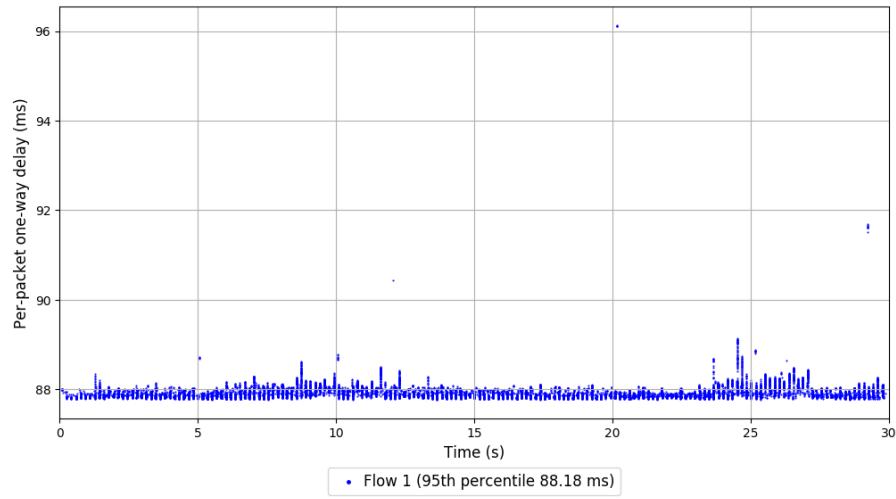
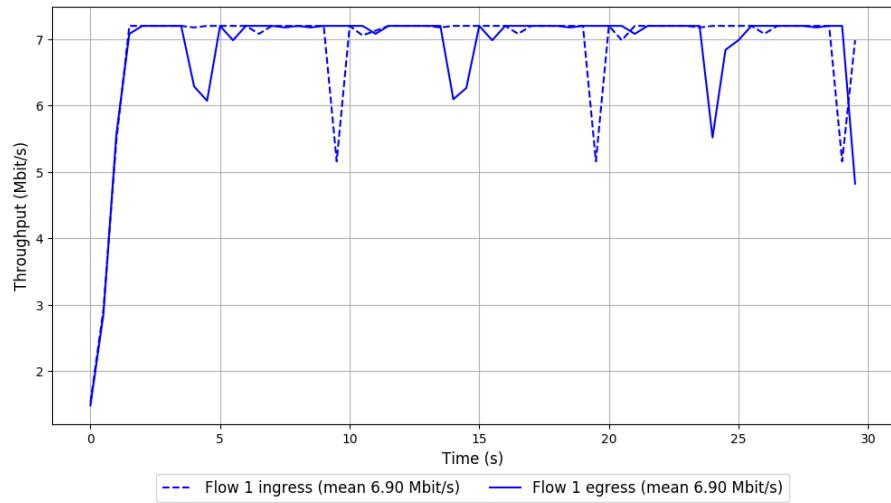


Run 8: Statistics of KohoCC

```
Start at: 2017-08-31 01:17:37
End at: 2017-08-31 01:18:07
Local clock offset: 0.382 ms
Remote clock offset: -4.683 ms

# Below is generated by plot.py at 2017-08-31 05:49:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 88.177 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 88.177 ms
Loss rate: 0.59%
```

Run 8: Report of KohoCC — Data Link

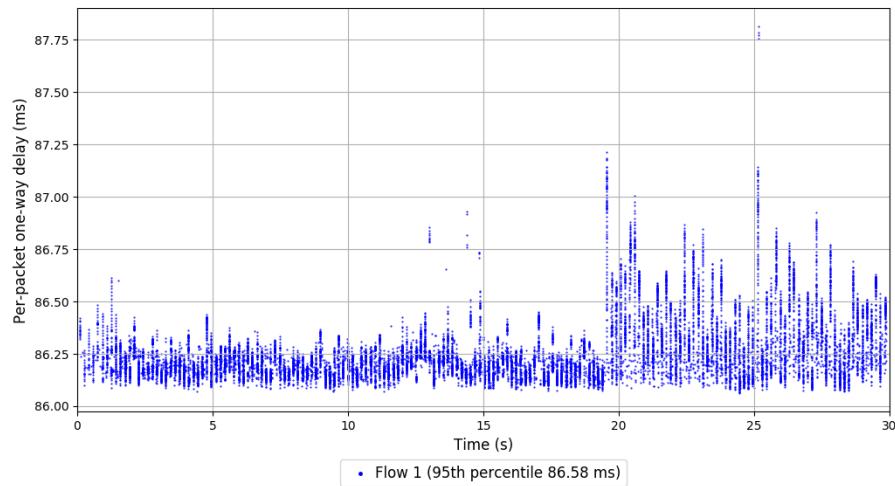
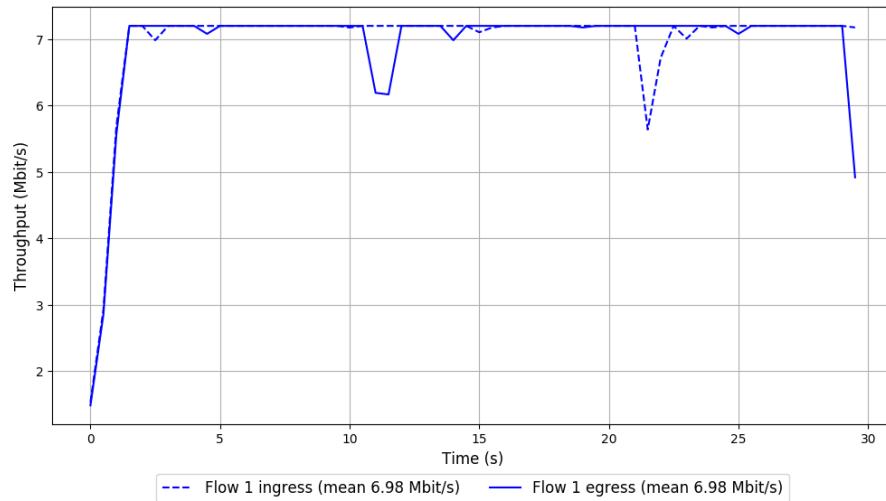


Run 9: Statistics of KohoCC

```
Start at: 2017-08-31 01:36:48
End at: 2017-08-31 01:37:18
Local clock offset: 0.342 ms
Remote clock offset: -5.019 ms

# Below is generated by plot.py at 2017-08-31 05:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 86.581 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 86.581 ms
Loss rate: 0.57%
```

Run 9: Report of KohoCC — Data Link

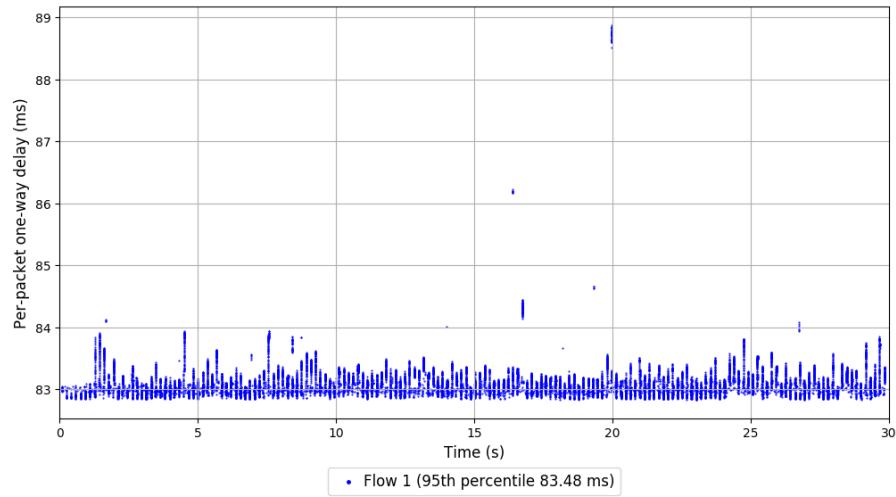
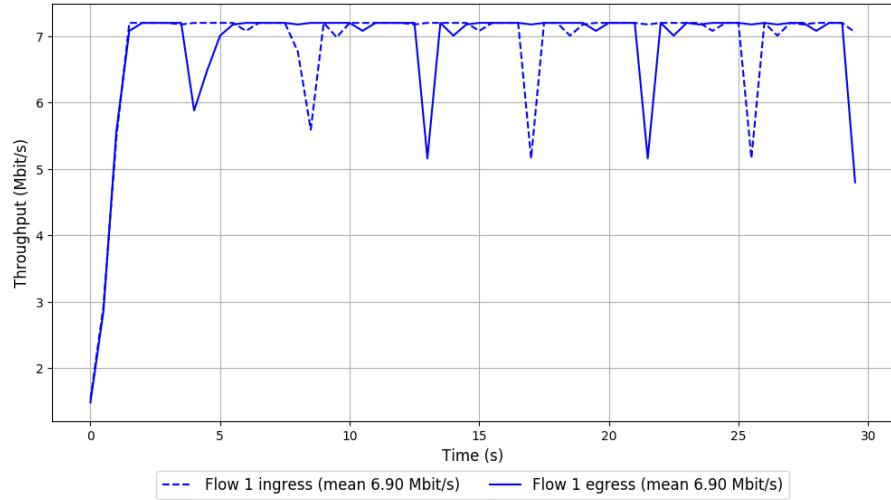


Run 10: Statistics of KohoCC

```
Start at: 2017-08-31 01:56:14
End at: 2017-08-31 01:56:44
Local clock offset: 0.311 ms
Remote clock offset: -0.295 ms

# Below is generated by plot.py at 2017-08-31 05:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 83.476 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 83.476 ms
Loss rate: 0.59%
```

Run 10: Report of KohoCC — Data Link

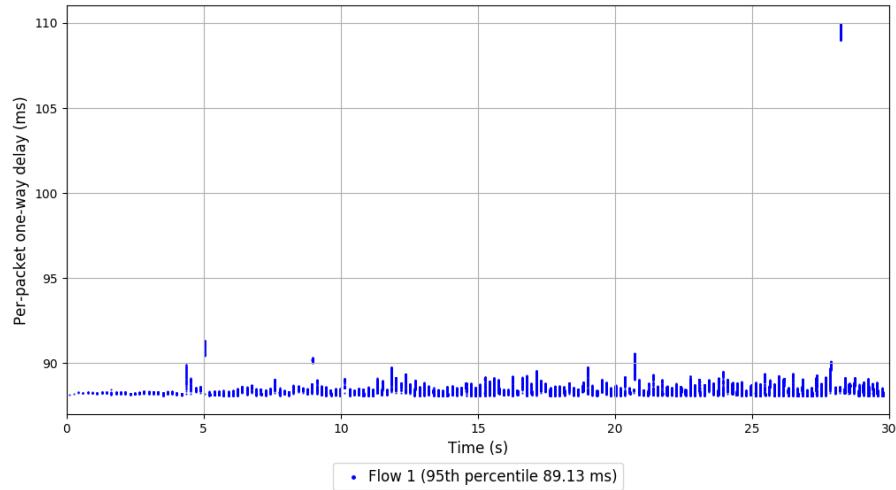
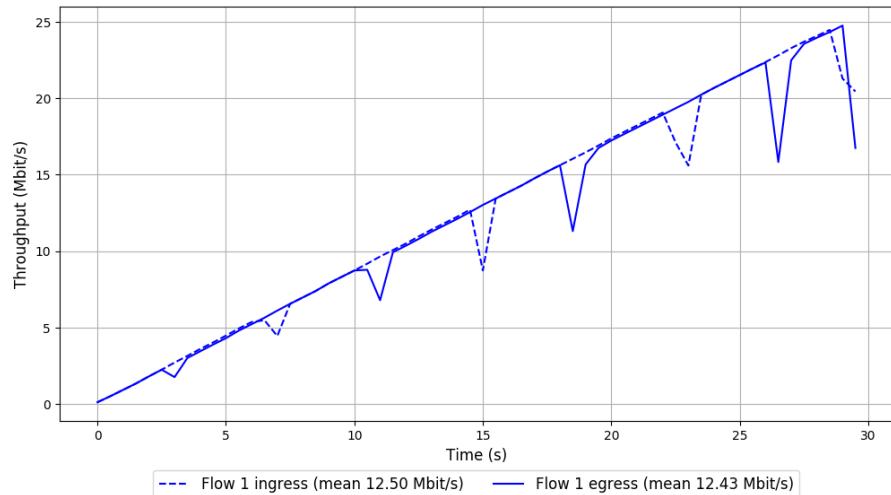


Run 1: Statistics of LEDBAT

```
Start at: 2017-08-30 23:04:39
End at: 2017-08-30 23:05:09
Local clock offset: 0.2 ms
Remote clock offset: -5.306 ms

# Below is generated by plot.py at 2017-08-31 05:49:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 89.130 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 89.130 ms
Loss rate: 1.13%
```

Run 1: Report of LEDBAT — Data Link

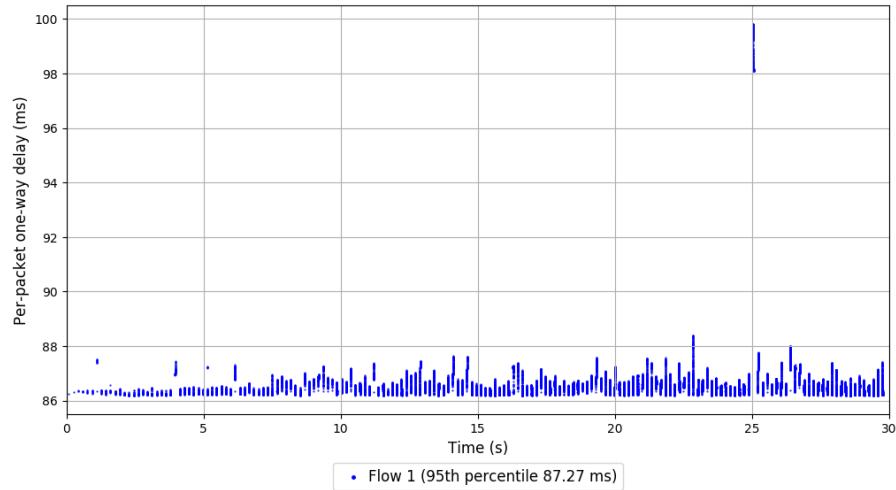
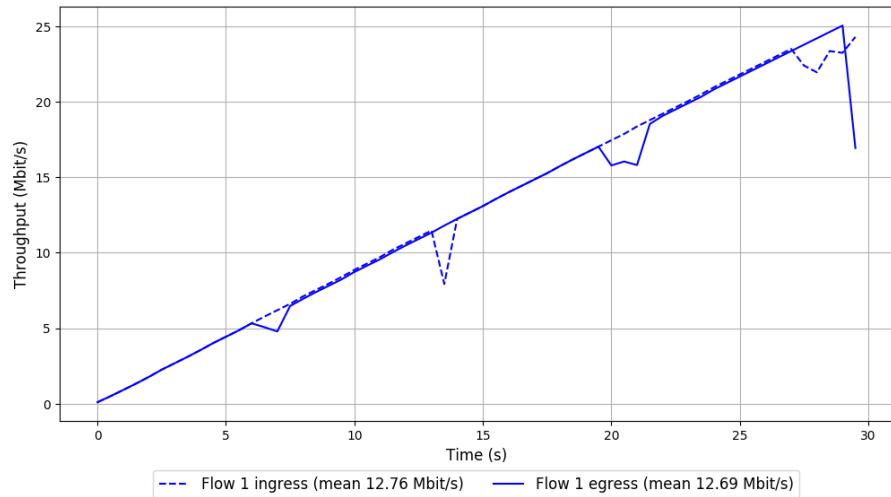


Run 2: Statistics of LEDBAT

```
Start at: 2017-08-30 23:23:56
End at: 2017-08-30 23:24:26
Local clock offset: 0.361 ms
Remote clock offset: -4.872 ms

# Below is generated by plot.py at 2017-08-31 05:49:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 87.271 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 87.271 ms
Loss rate: 1.12%
```

Run 2: Report of LEDBAT — Data Link

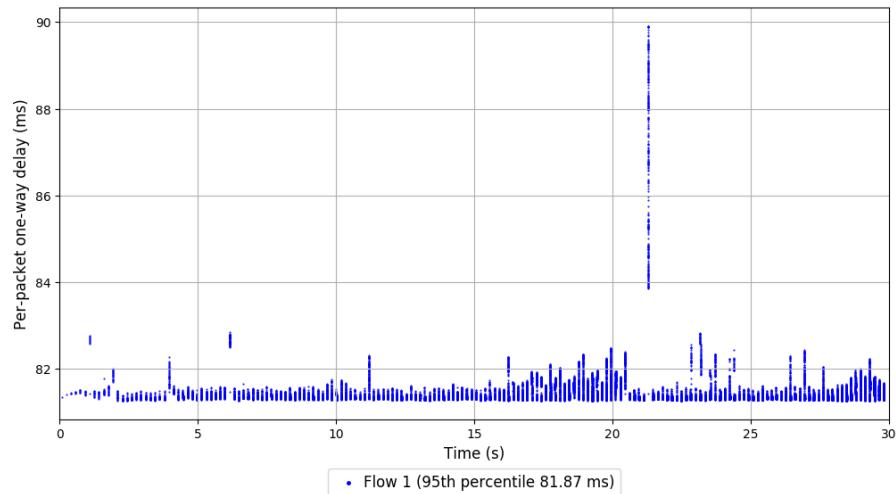
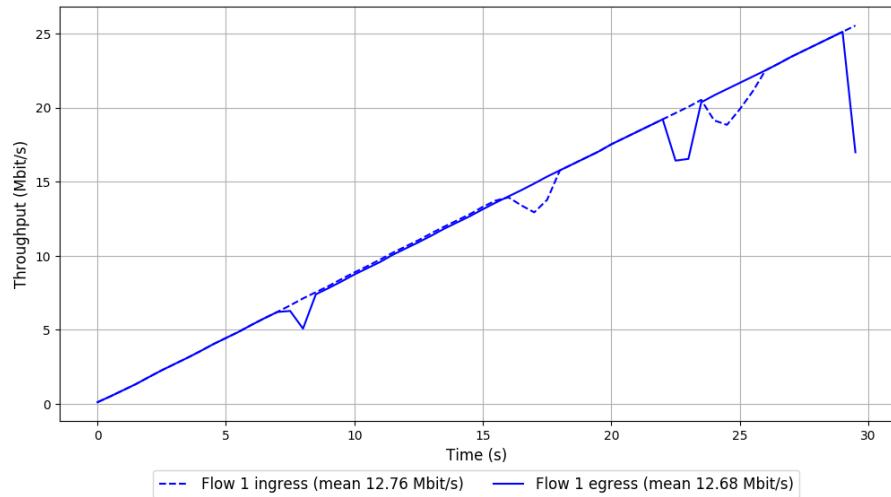


Run 3: Statistics of LEDBAT

```
Start at: 2017-08-30 23:43:13
End at: 2017-08-30 23:43:43
Local clock offset: 0.438 ms
Remote clock offset: 0.265 ms

# Below is generated by plot.py at 2017-08-31 05:49:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 81.871 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 81.871 ms
Loss rate: 1.12%
```

Run 3: Report of LEDBAT — Data Link

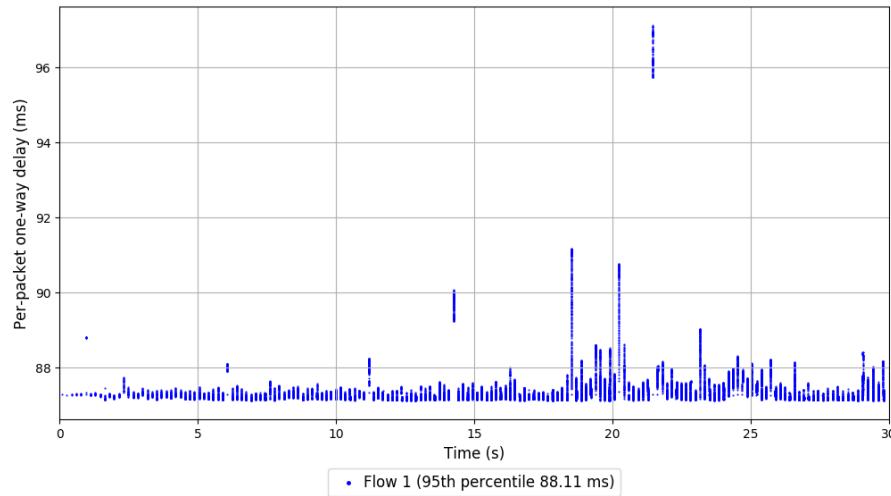
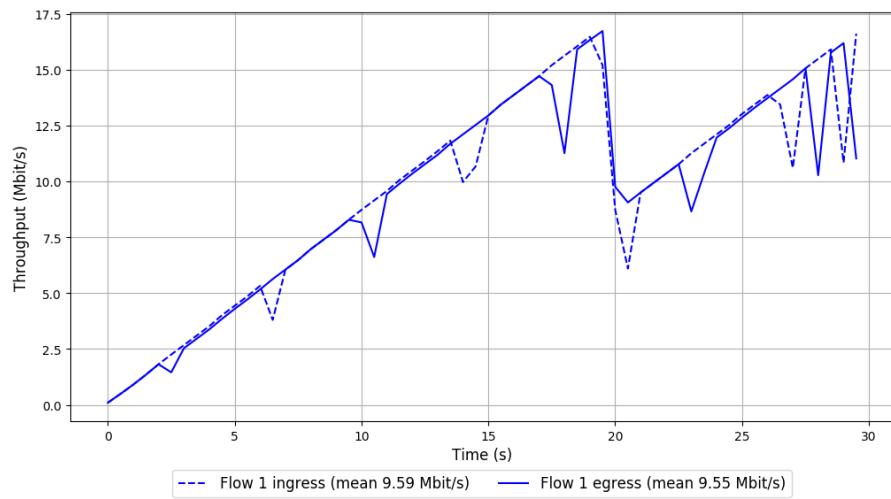


Run 4: Statistics of LEDBAT

```
Start at: 2017-08-31 00:02:16
End at: 2017-08-31 00:02:46
Local clock offset: 0.498 ms
Remote clock offset: -3.662 ms

# Below is generated by plot.py at 2017-08-31 05:49:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 88.115 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 88.115 ms
Loss rate: 0.98%
```

Run 4: Report of LEDBAT — Data Link

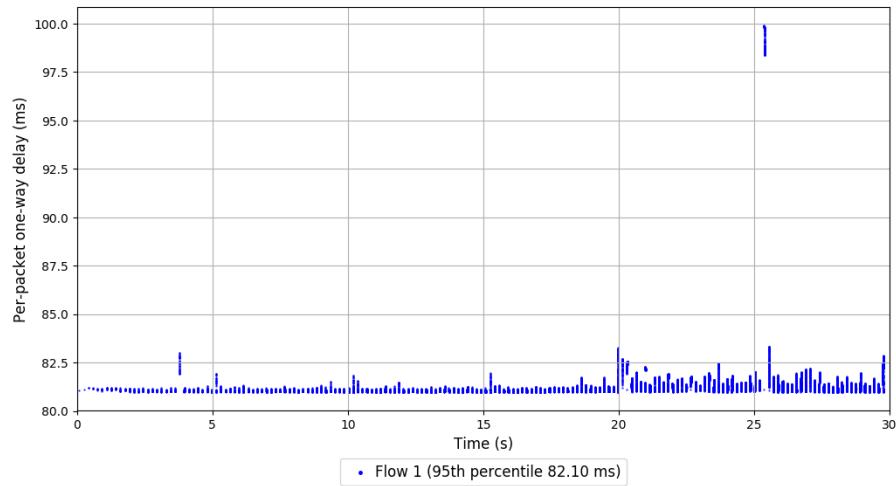
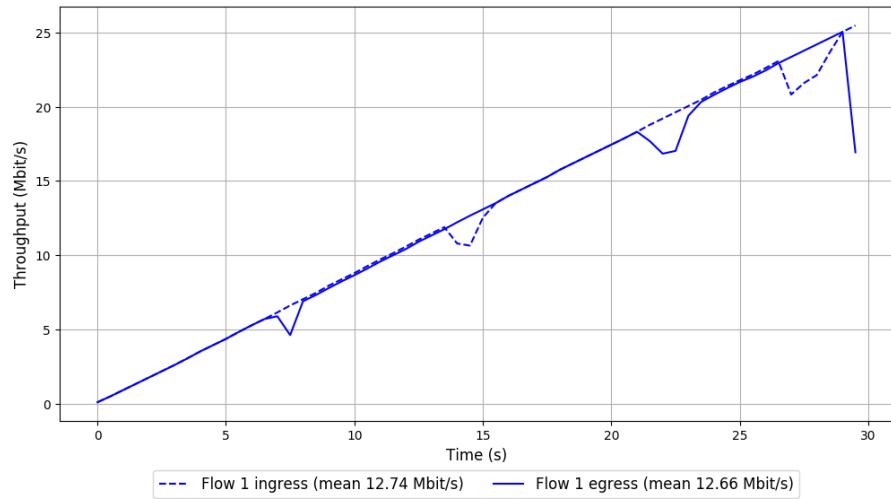


Run 5: Statistics of LEDBAT

```
Start at: 2017-08-31 00:21:41
End at: 2017-08-31 00:22:11
Local clock offset: 0.485 ms
Remote clock offset: 0.505 ms

# Below is generated by plot.py at 2017-08-31 05:49:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 82.098 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 82.098 ms
Loss rate: 1.12%
```

Run 5: Report of LEDBAT — Data Link

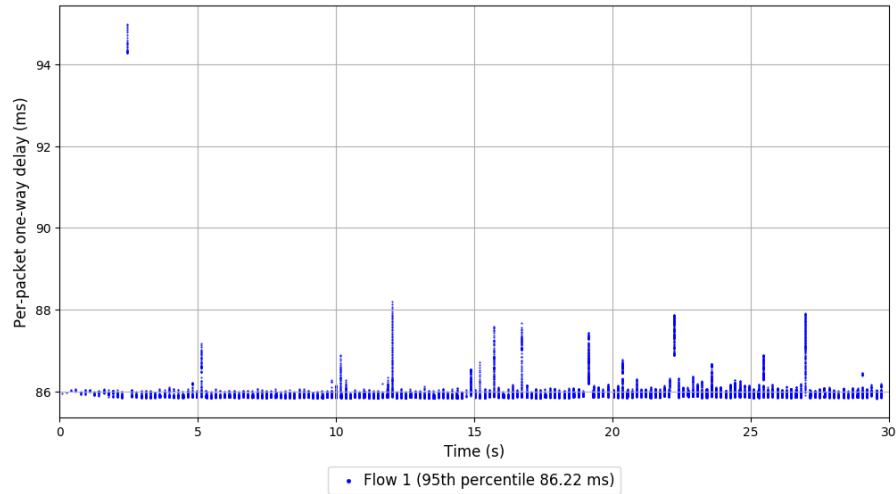
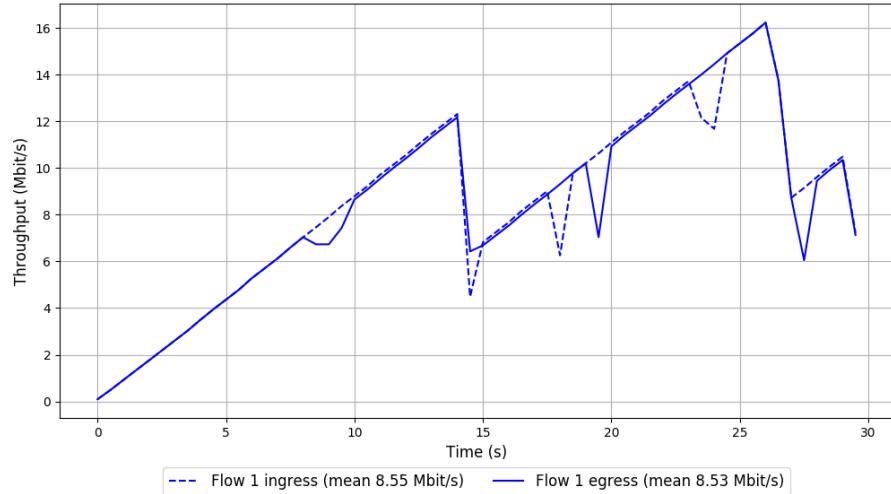


Run 6: Statistics of LEDBAT

```
Start at: 2017-08-31 00:40:38
End at: 2017-08-31 00:41:08
Local clock offset: 0.449 ms
Remote clock offset: -4.449 ms

# Below is generated by plot.py at 2017-08-31 05:49:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 86.221 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 86.221 ms
Loss rate: 0.72%
```

Run 6: Report of LEDBAT — Data Link

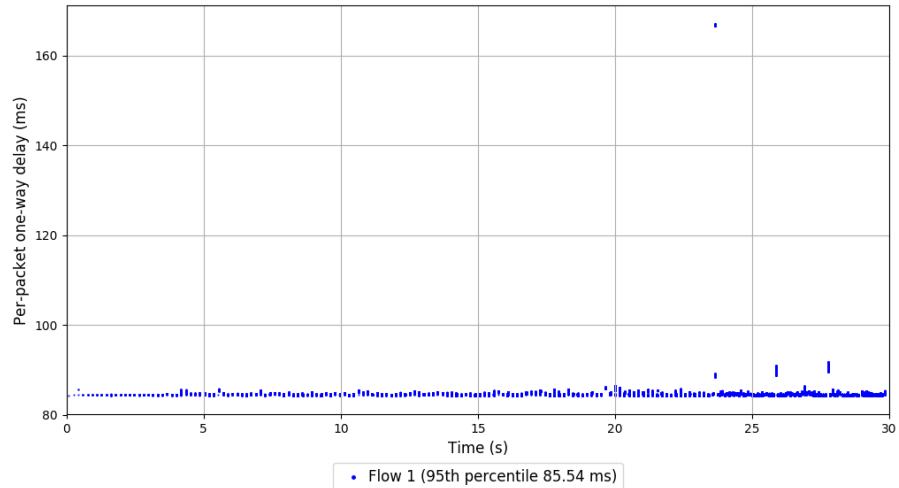
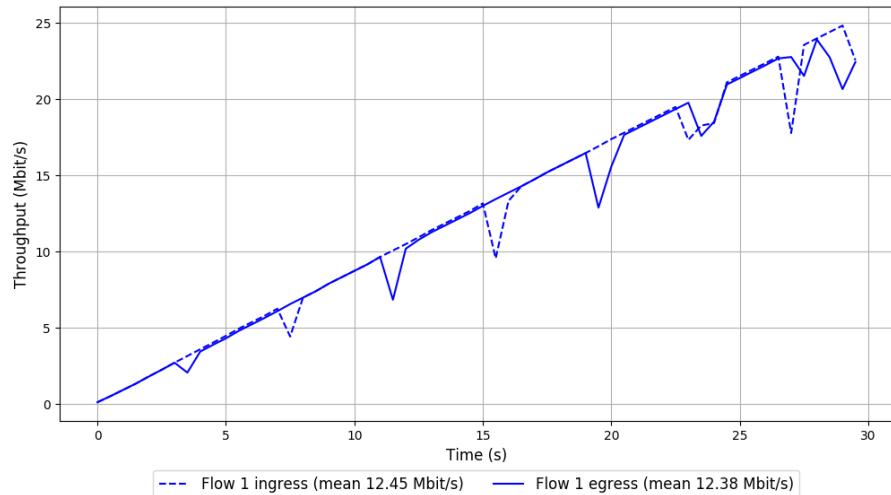


Run 7: Statistics of LEDBAT

```
Start at: 2017-08-31 00:59:41
End at: 2017-08-31 01:00:11
Local clock offset: 0.335 ms
Remote clock offset: -0.8 ms

# Below is generated by plot.py at 2017-08-31 05:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 85.538 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 85.538 ms
Loss rate: 1.13%
```

Run 7: Report of LEDBAT — Data Link

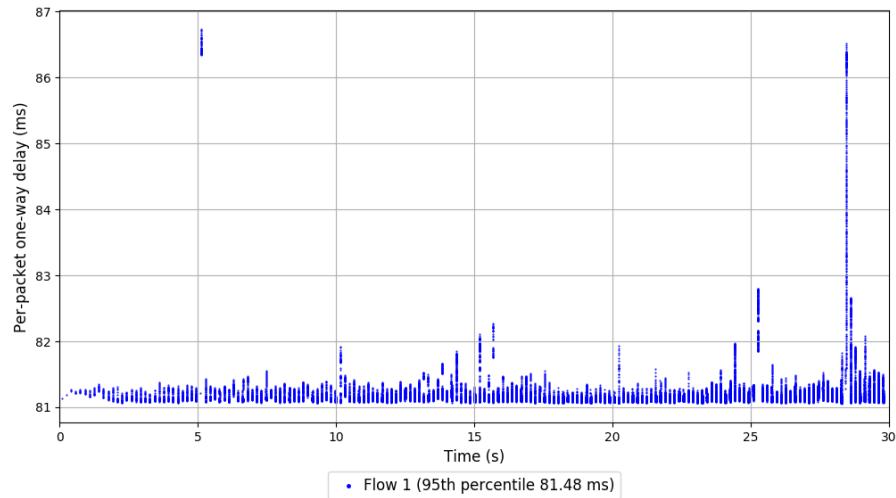
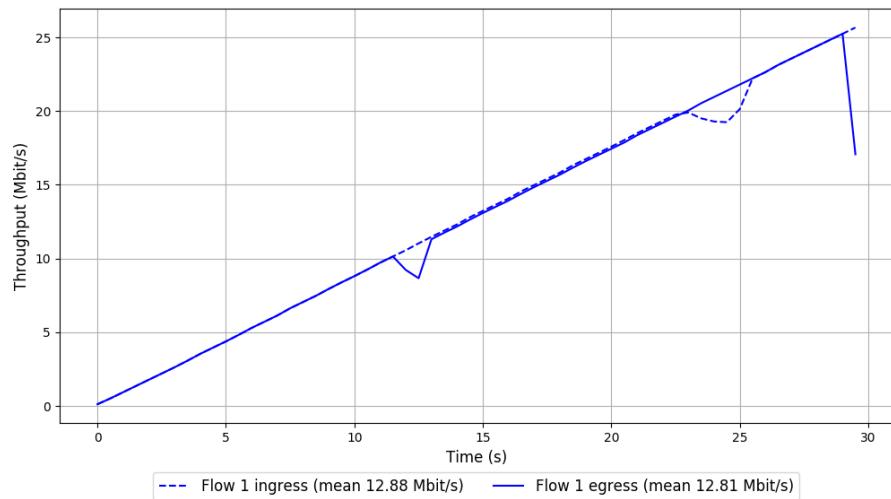


Run 8: Statistics of LEDBAT

```
Start at: 2017-08-31 01:18:47
End at: 2017-08-31 01:19:17
Local clock offset: 0.377 ms
Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2017-08-31 05:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 81.478 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 81.478 ms
Loss rate: 1.12%
```

Run 8: Report of LEDBAT — Data Link

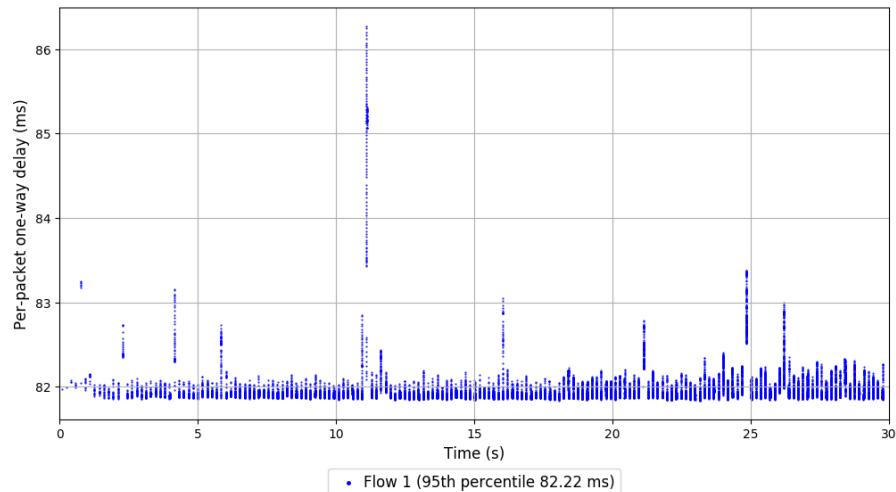
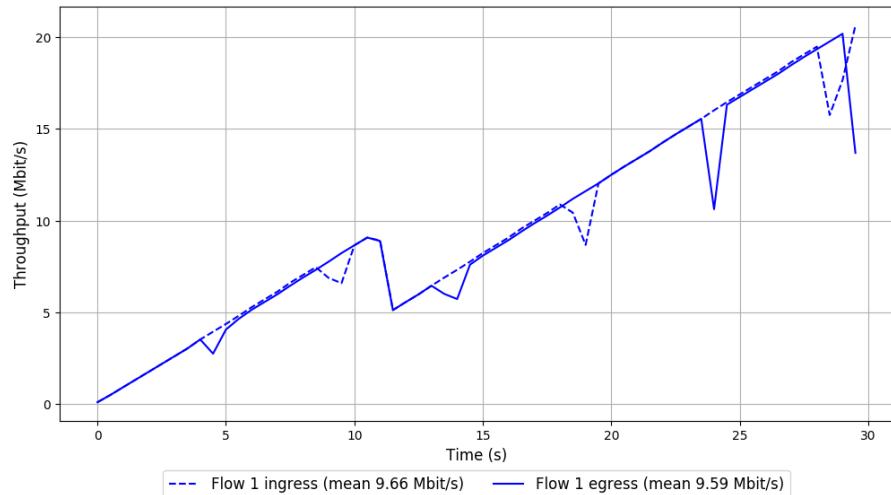


Run 9: Statistics of LEDBAT

```
Start at: 2017-08-31 01:37:59
End at: 2017-08-31 01:38:29
Local clock offset: 0.324 ms
Remote clock offset: 0.758 ms

# Below is generated by plot.py at 2017-08-31 05:49:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 82.217 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 82.217 ms
Loss rate: 1.21%
```

Run 9: Report of LEDBAT — Data Link

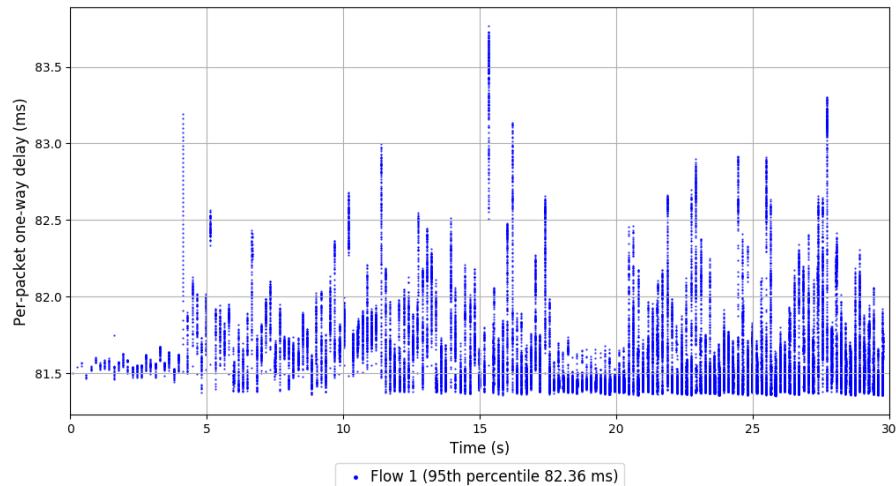
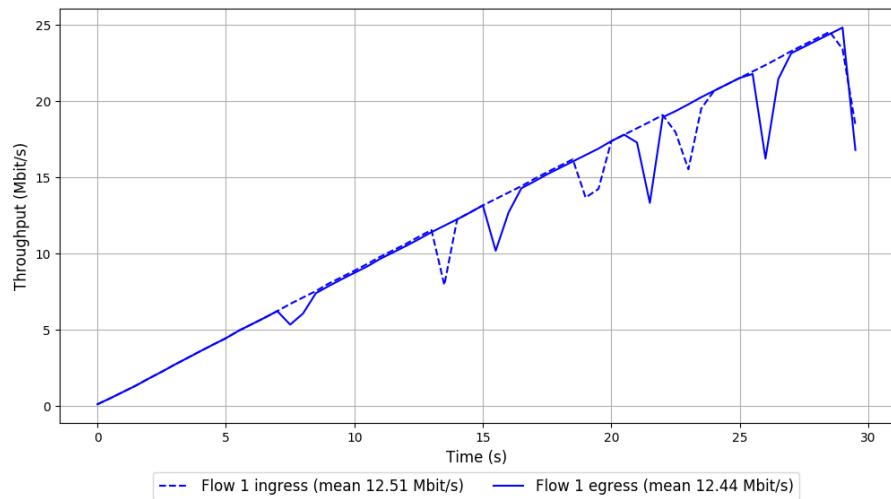


Run 10: Statistics of LEDBAT

```
Start at: 2017-08-31 01:57:24
End at: 2017-08-31 01:57:54
Local clock offset: 0.358 ms
Remote clock offset: -0.397 ms

# Below is generated by plot.py at 2017-08-31 05:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 82.355 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 82.355 ms
Loss rate: 1.13%
```

Run 10: Report of LEDBAT — Data Link

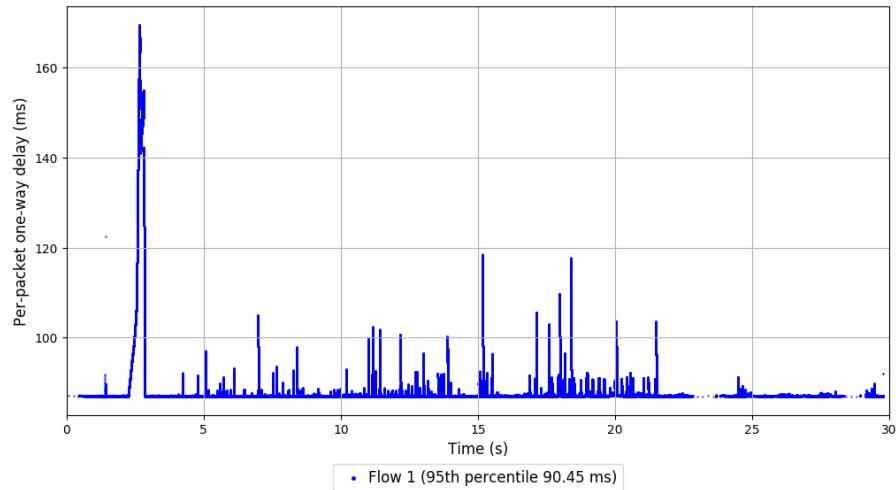
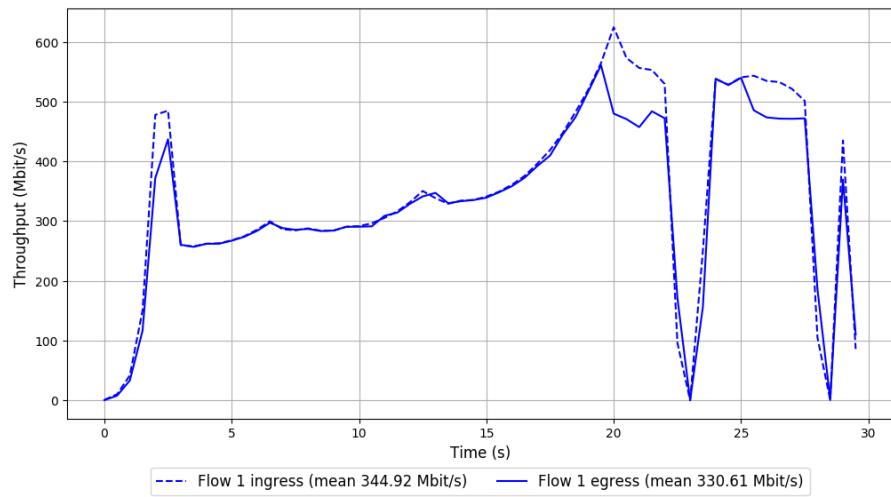


Run 1: Statistics of PCC

```
Start at: 2017-08-30 22:53:29
End at: 2017-08-30 22:53:59
Local clock offset: 0.276 ms
Remote clock offset: -4.375 ms

# Below is generated by plot.py at 2017-08-31 05:50:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.61 Mbit/s
95th percentile per-packet one-way delay: 90.450 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 330.61 Mbit/s
95th percentile per-packet one-way delay: 90.450 ms
Loss rate: 4.68%
```

Run 1: Report of PCC — Data Link

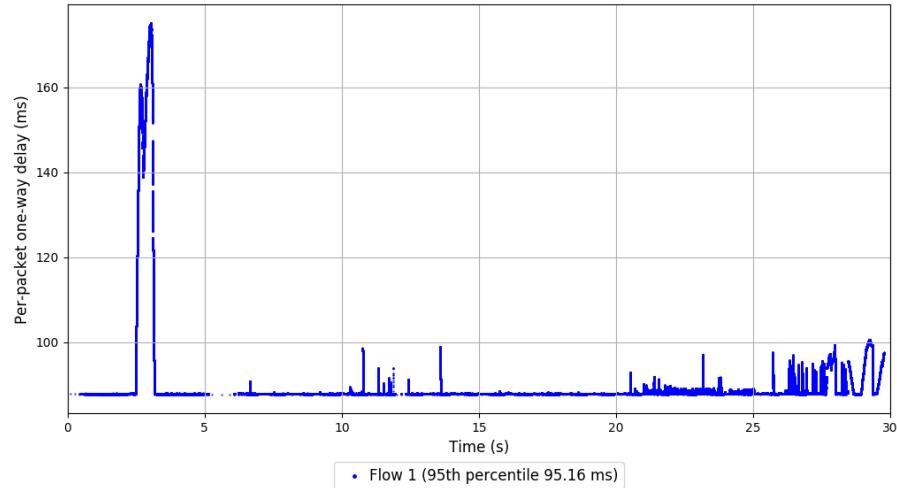
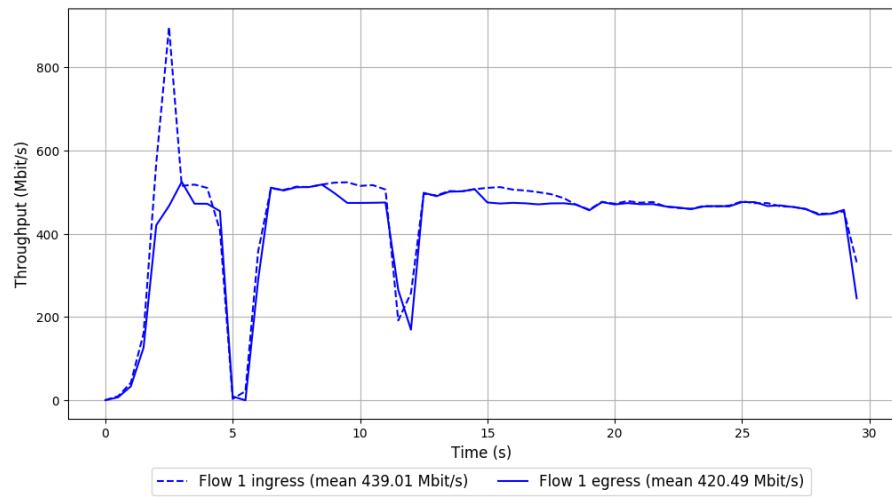


Run 2: Statistics of PCC

```
Start at: 2017-08-30 23:12:39
End at: 2017-08-30 23:13:09
Local clock offset: 0.248 ms
Remote clock offset: -4.891 ms

# Below is generated by plot.py at 2017-08-31 05:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 420.49 Mbit/s
95th percentile per-packet one-way delay: 95.156 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 420.49 Mbit/s
95th percentile per-packet one-way delay: 95.156 ms
Loss rate: 4.78%
```

Run 2: Report of PCC — Data Link

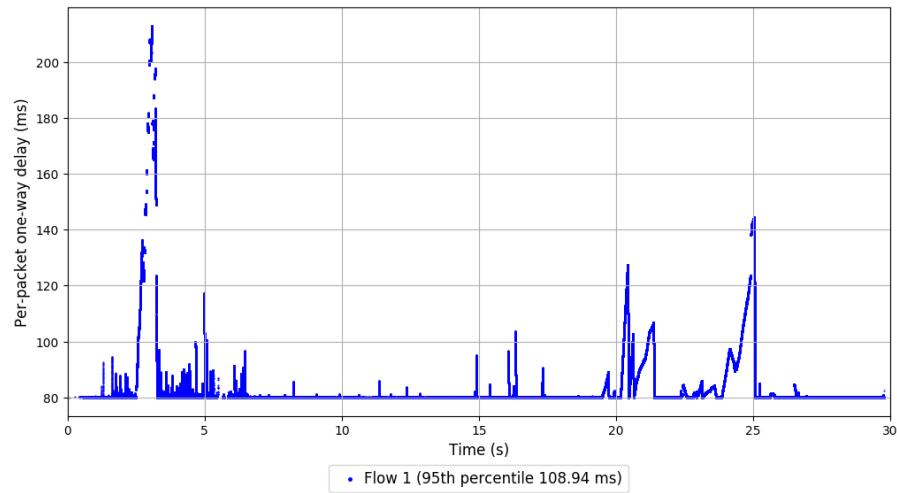
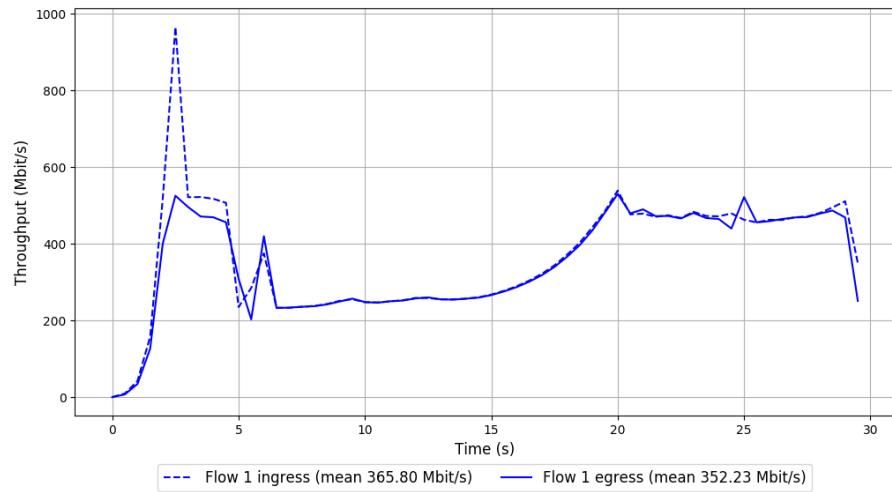


Run 3: Statistics of PCC

```
Start at: 2017-08-30 23:31:58
End at: 2017-08-30 23:32:28
Local clock offset: 0.42 ms
Remote clock offset: 1.229 ms

# Below is generated by plot.py at 2017-08-31 05:51:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 352.23 Mbit/s
95th percentile per-packet one-way delay: 108.937 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 352.23 Mbit/s
95th percentile per-packet one-way delay: 108.937 ms
Loss rate: 4.25%
```

Run 3: Report of PCC — Data Link

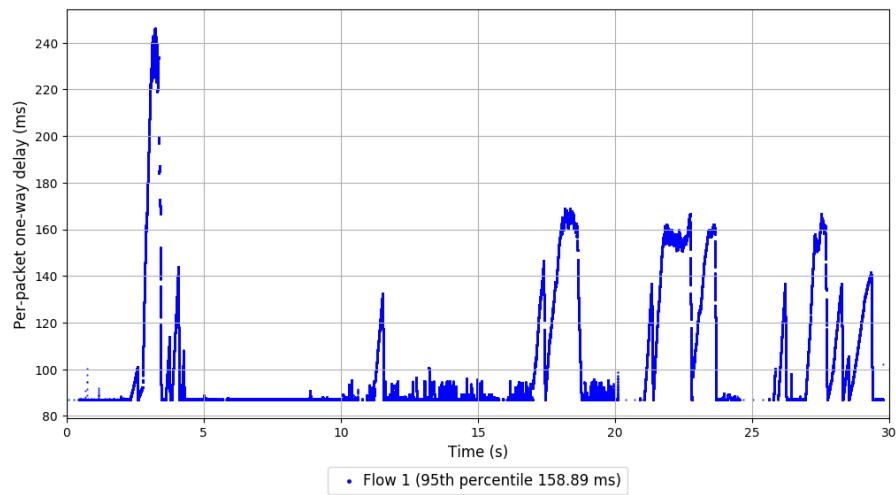
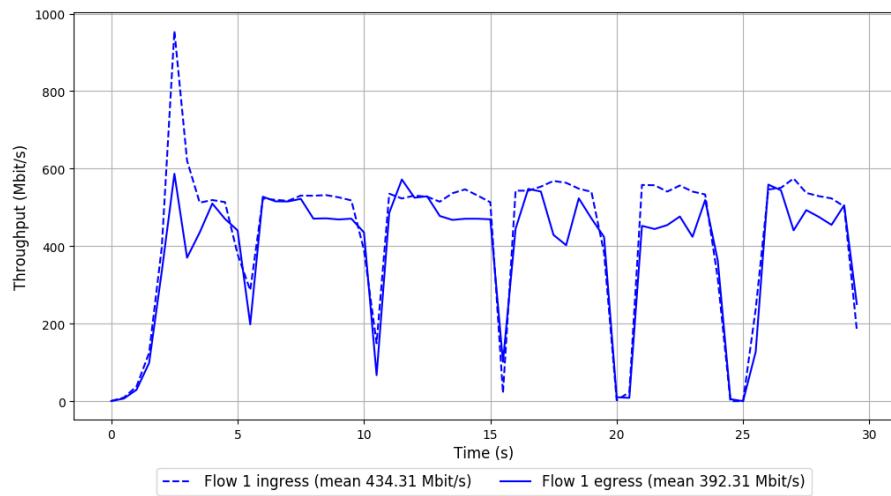


Run 4: Statistics of PCC

```
Start at: 2017-08-30 23:51:11
End at: 2017-08-30 23:51:41
Local clock offset: 0.393 ms
Remote clock offset: -3.658 ms

# Below is generated by plot.py at 2017-08-31 05:51:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 392.31 Mbit/s
95th percentile per-packet one-way delay: 158.891 ms
Loss rate: 10.10%
-- Flow 1:
Average throughput: 392.31 Mbit/s
95th percentile per-packet one-way delay: 158.891 ms
Loss rate: 10.10%
```

Run 4: Report of PCC — Data Link

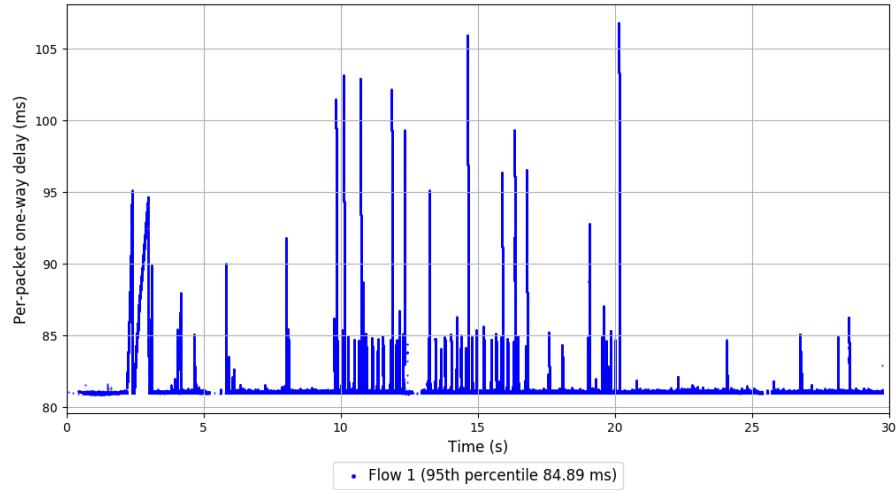
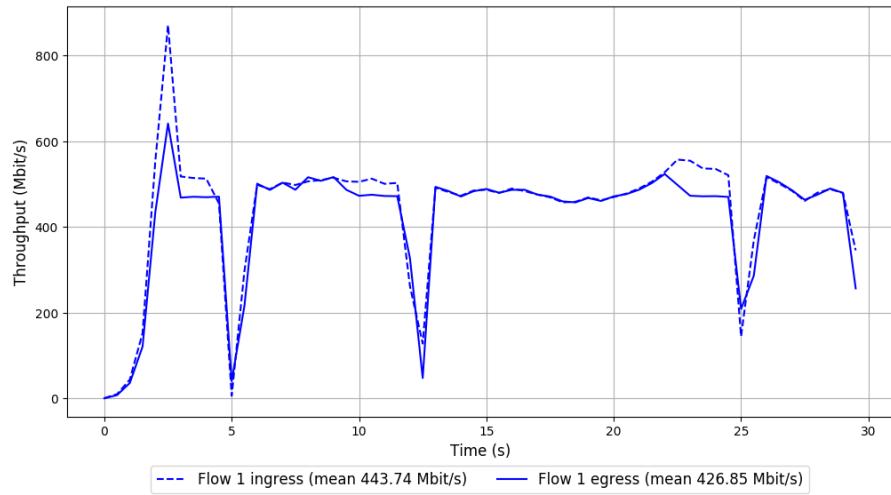


Run 5: Statistics of PCC

```
Start at: 2017-08-31 00:10:21
End at: 2017-08-31 00:10:51
Local clock offset: 0.445 ms
Remote clock offset: 0.359 ms

# Below is generated by plot.py at 2017-08-31 05:52:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 426.85 Mbit/s
95th percentile per-packet one-way delay: 84.892 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 426.85 Mbit/s
95th percentile per-packet one-way delay: 84.892 ms
Loss rate: 4.35%
```

Run 5: Report of PCC — Data Link

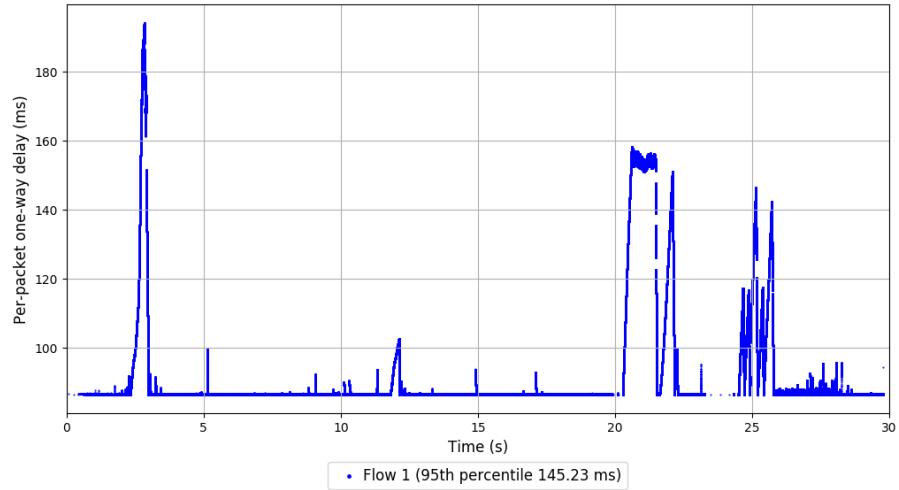
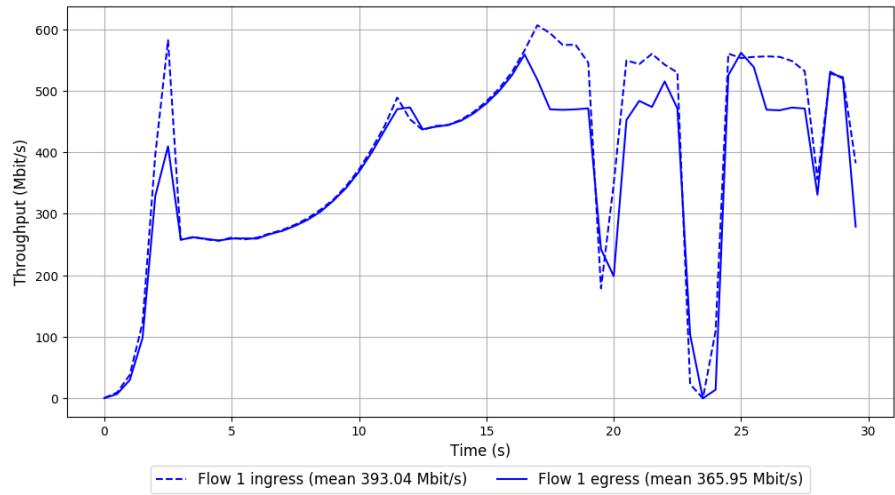


Run 6: Statistics of PCC

```
Start at: 2017-08-31 00:29:36
End at: 2017-08-31 00:30:06
Local clock offset: 0.414 ms
Remote clock offset: -3.231 ms

# Below is generated by plot.py at 2017-08-31 05:52:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 365.95 Mbit/s
95th percentile per-packet one-way delay: 145.230 ms
Loss rate: 7.41%
-- Flow 1:
Average throughput: 365.95 Mbit/s
95th percentile per-packet one-way delay: 145.230 ms
Loss rate: 7.41%
```

Run 6: Report of PCC — Data Link

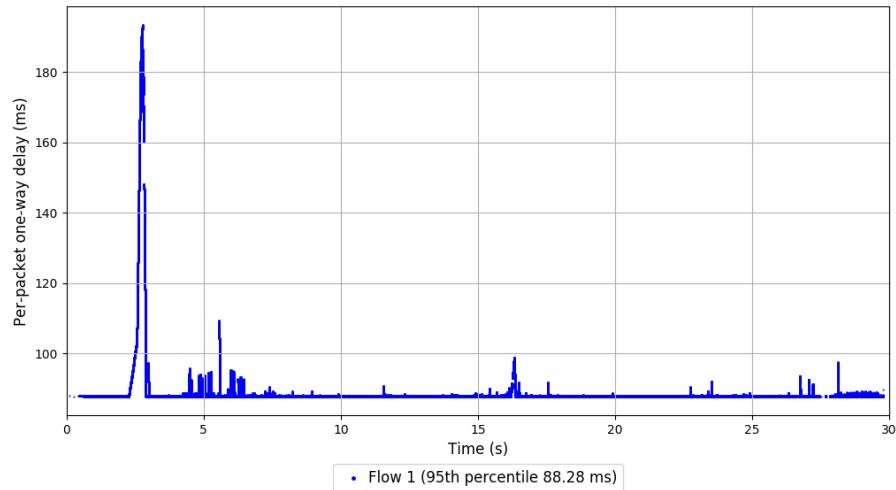
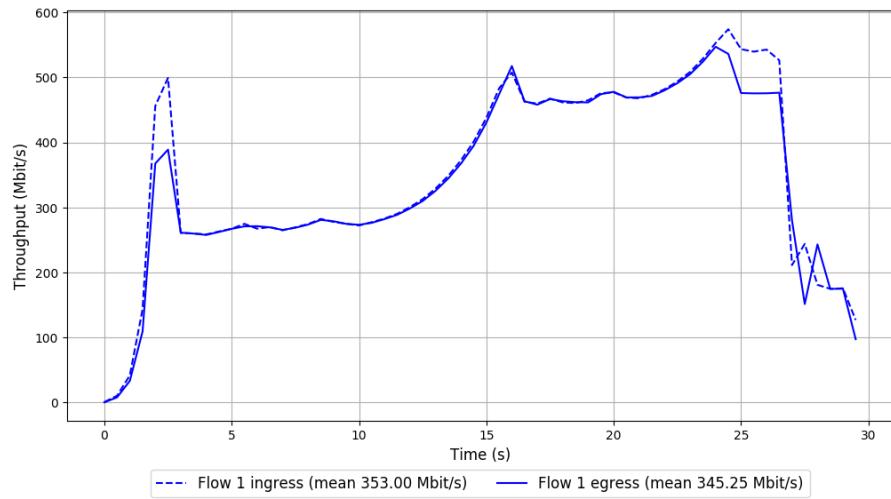


Run 7: Statistics of PCC

```
Start at: 2017-08-31 00:48:33
End at: 2017-08-31 00:49:03
Local clock offset: 0.544 ms
Remote clock offset: -4.25 ms

# Below is generated by plot.py at 2017-08-31 05:52:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.25 Mbit/s
95th percentile per-packet one-way delay: 88.280 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 345.25 Mbit/s
95th percentile per-packet one-way delay: 88.280 ms
Loss rate: 2.75%
```

Run 7: Report of PCC — Data Link

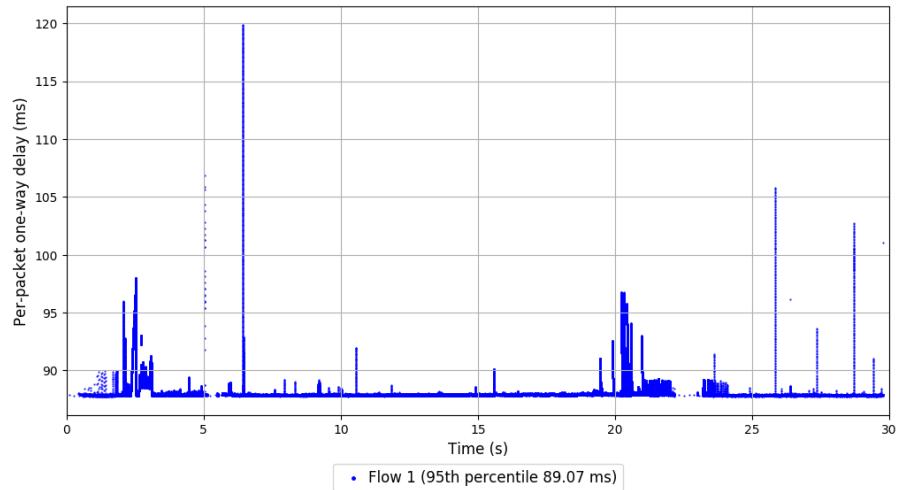
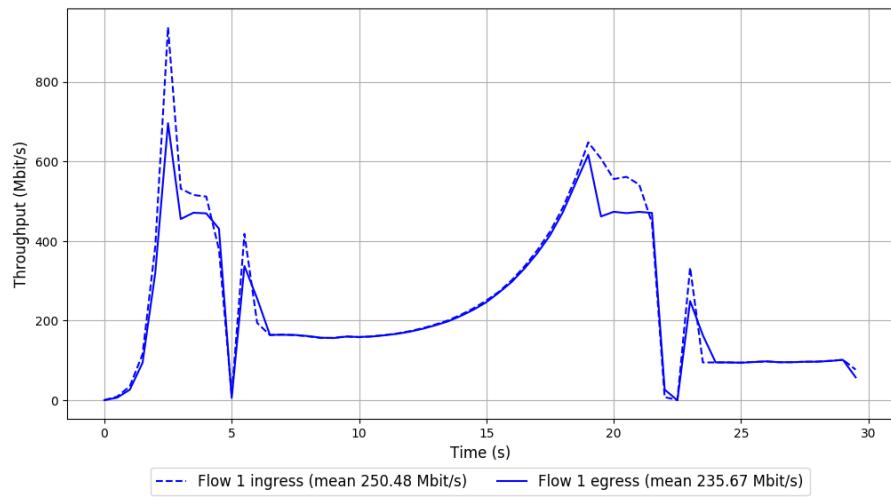


Run 8: Statistics of PCC

```
Start at: 2017-08-31 01:07:40
End at: 2017-08-31 01:08:10
Local clock offset: 0.278 ms
Remote clock offset: -4.747 ms

# Below is generated by plot.py at 2017-08-31 05:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.67 Mbit/s
95th percentile per-packet one-way delay: 89.066 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 235.67 Mbit/s
95th percentile per-packet one-way delay: 89.066 ms
Loss rate: 6.43%
```

Run 8: Report of PCC — Data Link

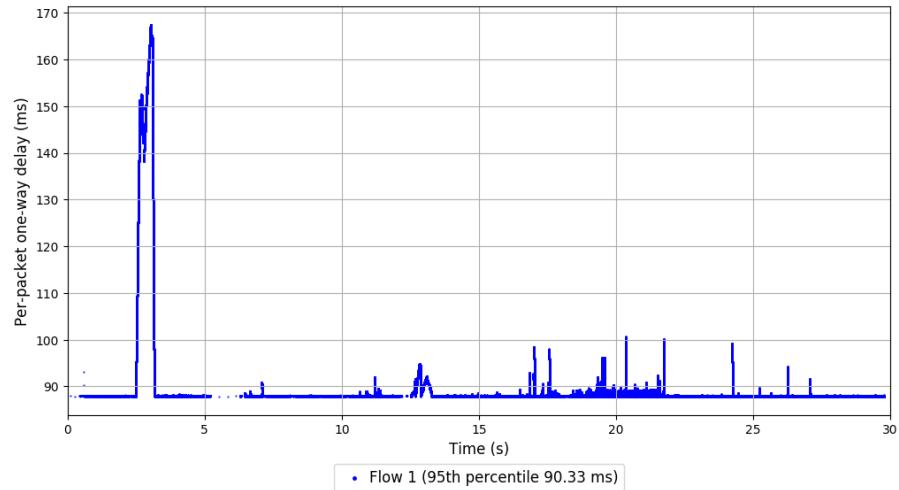
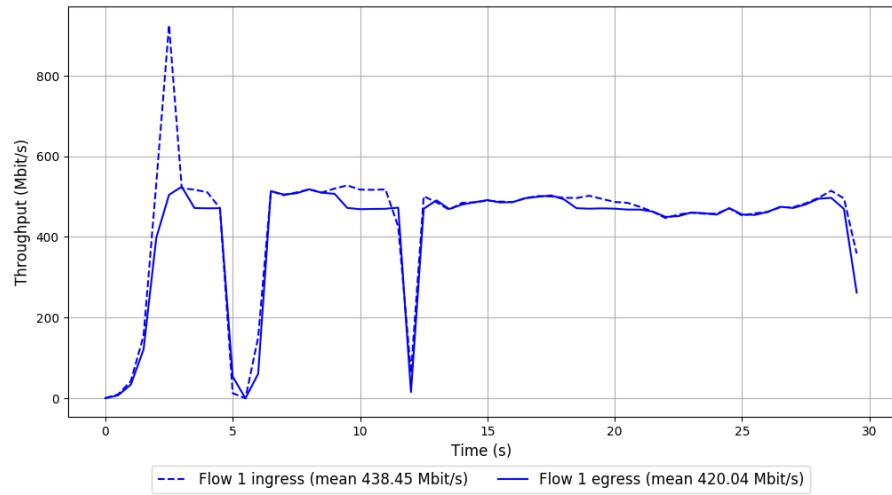


Run 9: Statistics of PCC

```
Start at: 2017-08-31 01:26:42
End at: 2017-08-31 01:27:12
Local clock offset: 0.383 ms
Remote clock offset: -4.668 ms

# Below is generated by plot.py at 2017-08-31 05:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 420.04 Mbit/s
95th percentile per-packet one-way delay: 90.334 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 420.04 Mbit/s
95th percentile per-packet one-way delay: 90.334 ms
Loss rate: 4.76%
```

Run 9: Report of PCC — Data Link

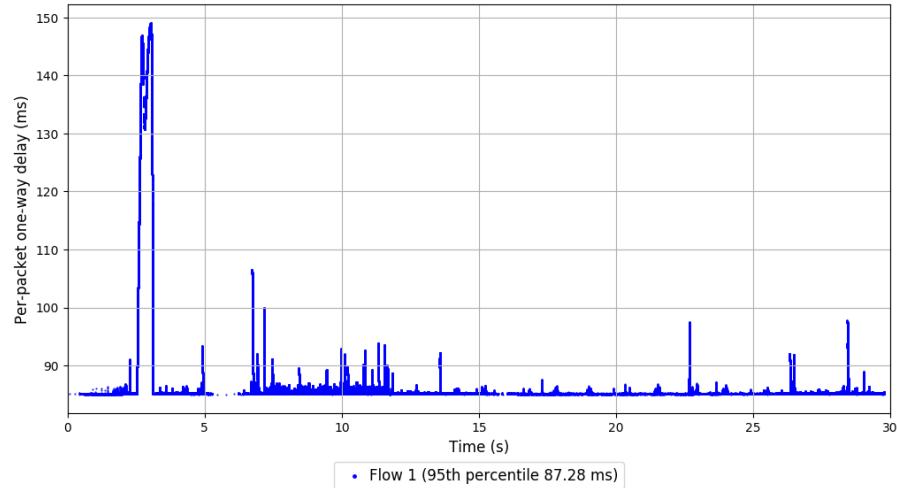
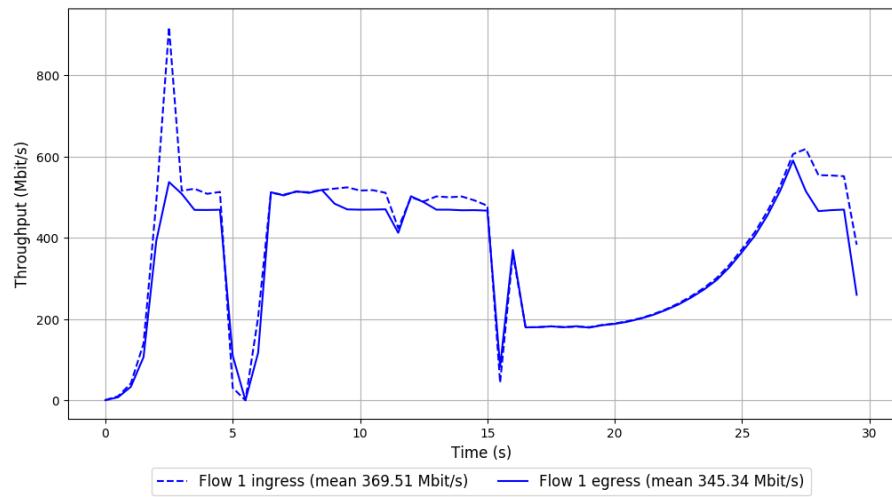


Run 10: Statistics of PCC

```
Start at: 2017-08-31 01:45:53
End at: 2017-08-31 01:46:23
Local clock offset: 0.353 ms
Remote clock offset: -3.979 ms

# Below is generated by plot.py at 2017-08-31 05:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.34 Mbit/s
95th percentile per-packet one-way delay: 87.278 ms
Loss rate: 7.07%
-- Flow 1:
Average throughput: 345.34 Mbit/s
95th percentile per-packet one-way delay: 87.278 ms
Loss rate: 7.07%
```

Run 10: Report of PCC — Data Link

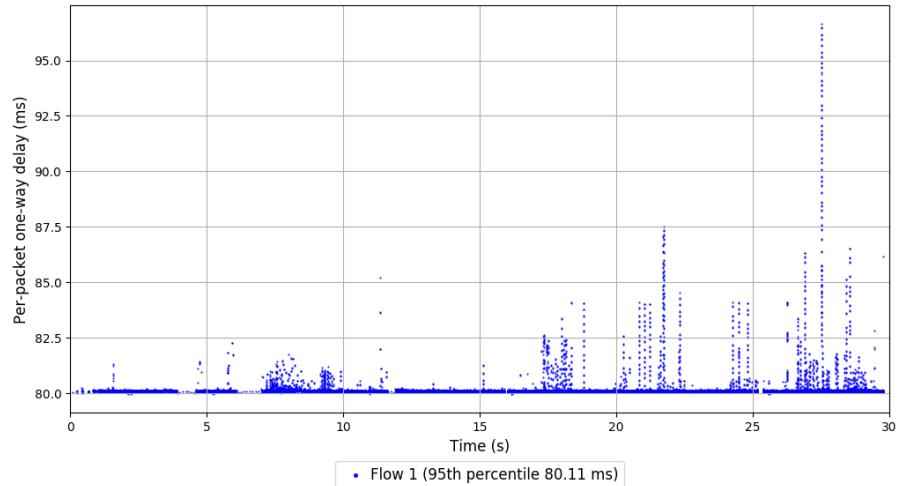
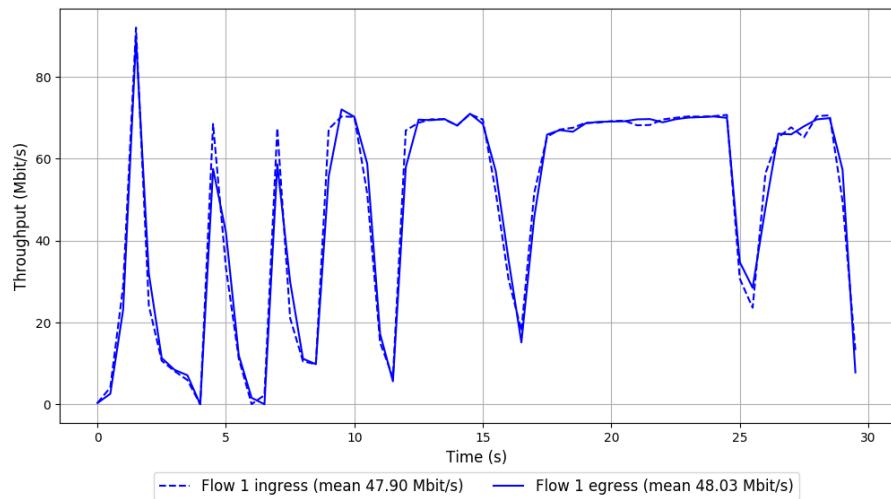


Run 1: Statistics of QUIC Cubic

```
Start at: 2017-08-30 22:54:53
End at: 2017-08-30 22:55:24
Local clock offset: 0.28 ms
Remote clock offset: 0.481 ms

# Below is generated by plot.py at 2017-08-31 05:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 80.109 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 80.109 ms
Loss rate: 0.28%
```

Run 1: Report of QUIC Cubic — Data Link

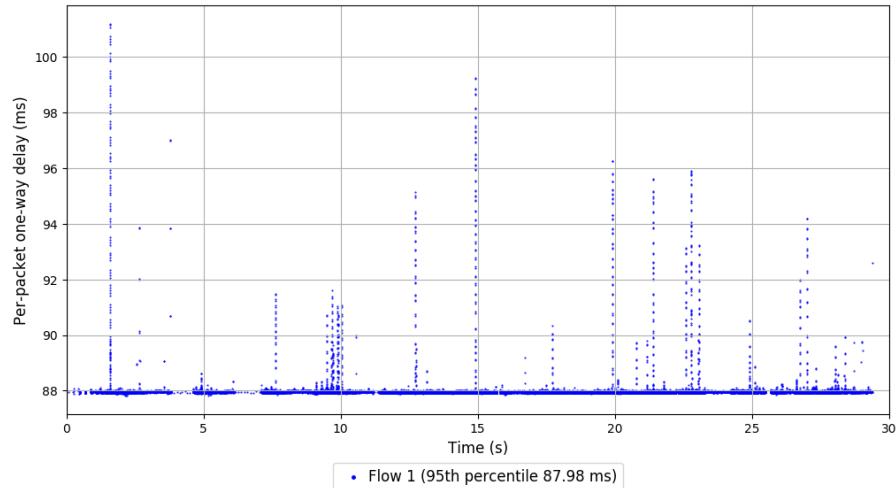
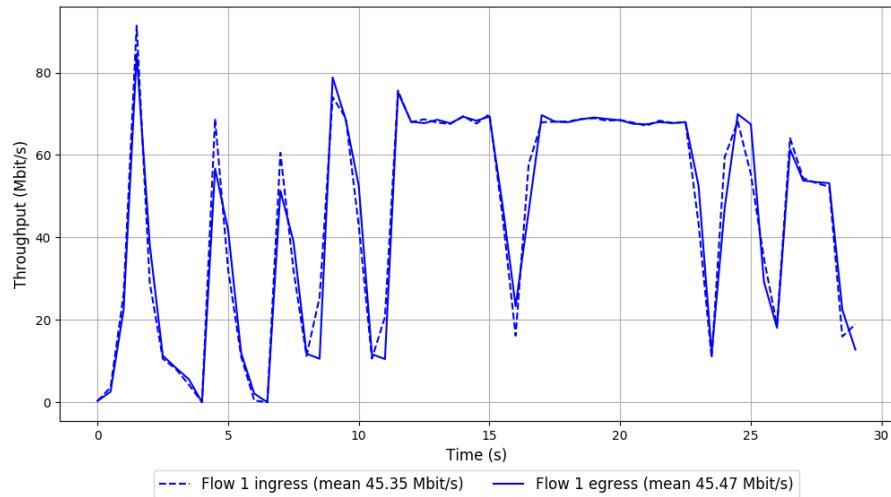


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-08-30 23:14:07
End at: 2017-08-30 23:14:37
Local clock offset: 0.297 ms
Remote clock offset: -4.995 ms

# Below is generated by plot.py at 2017-08-31 05:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 87.978 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 87.978 ms
Loss rate: 0.30%
```

Run 2: Report of QUIC Cubic — Data Link

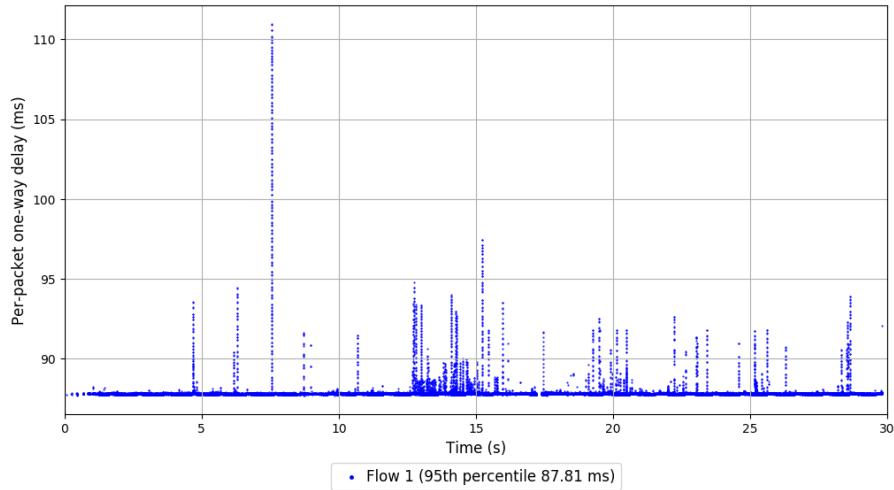
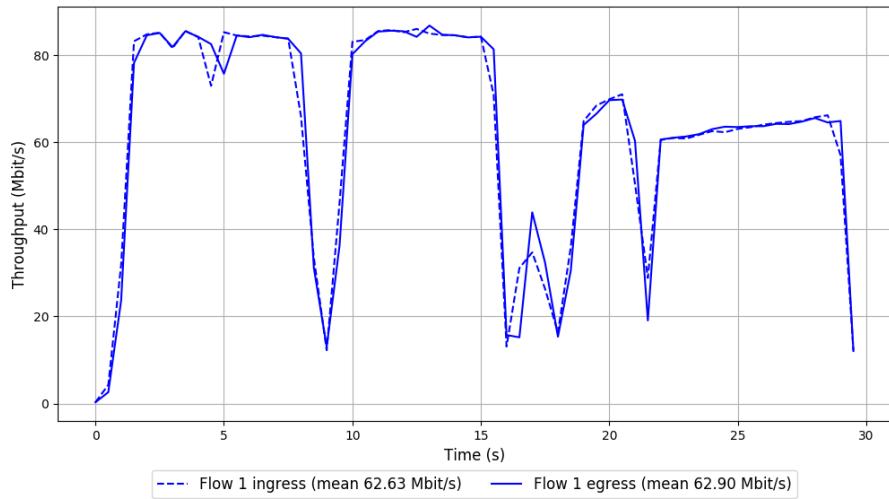


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-08-30 23:33:23
End at: 2017-08-30 23:33:53
Local clock offset: 0.381 ms
Remote clock offset: -4.731 ms

# Below is generated by plot.py at 2017-08-31 05:53:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 87.813 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 87.813 ms
Loss rate: 0.13%
```

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

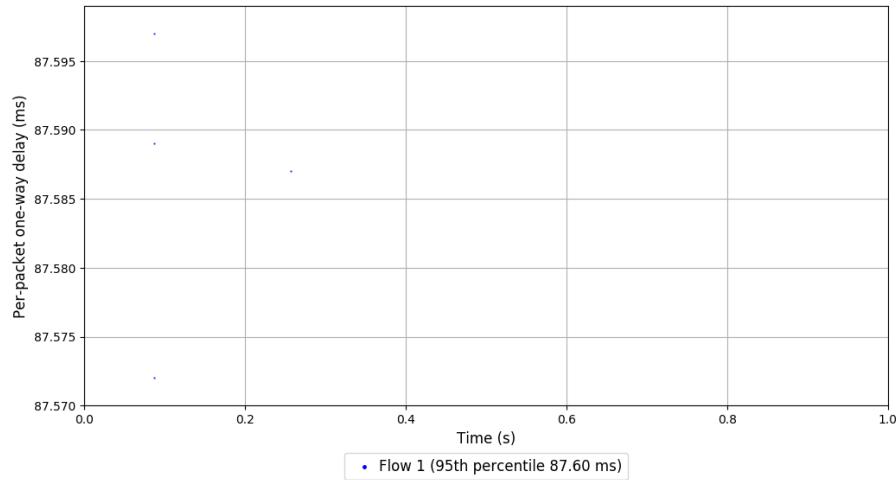
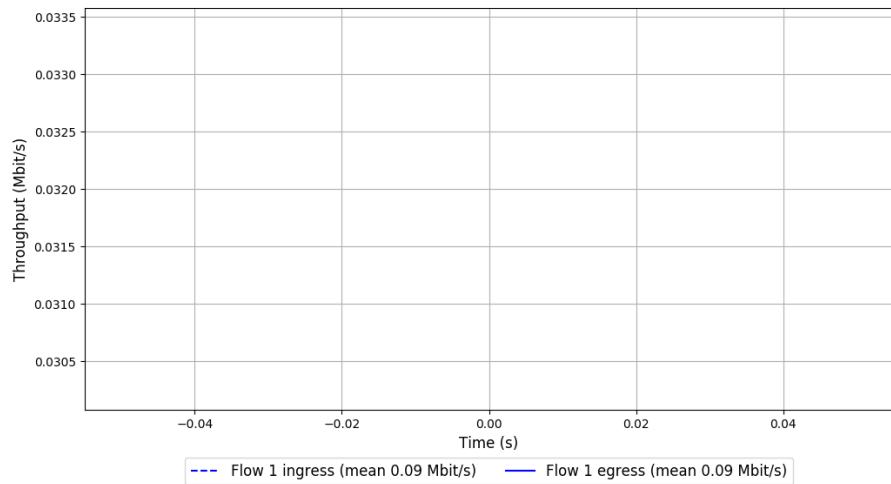
Start at: 2017-08-30 23:52:39

End at: 2017-08-30 23:53:09

Local clock offset: 0.336 ms

Remote clock offset: -4.464 ms

Run 4: Report of QUIC Cubic — Data Link

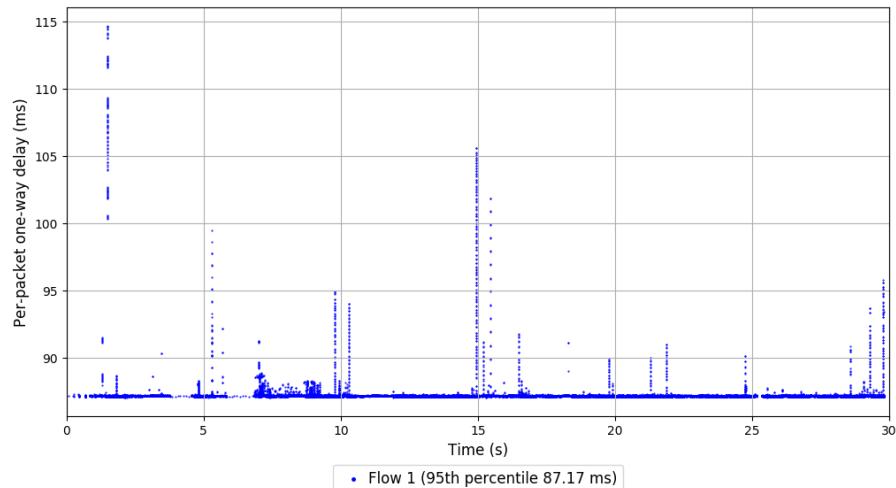
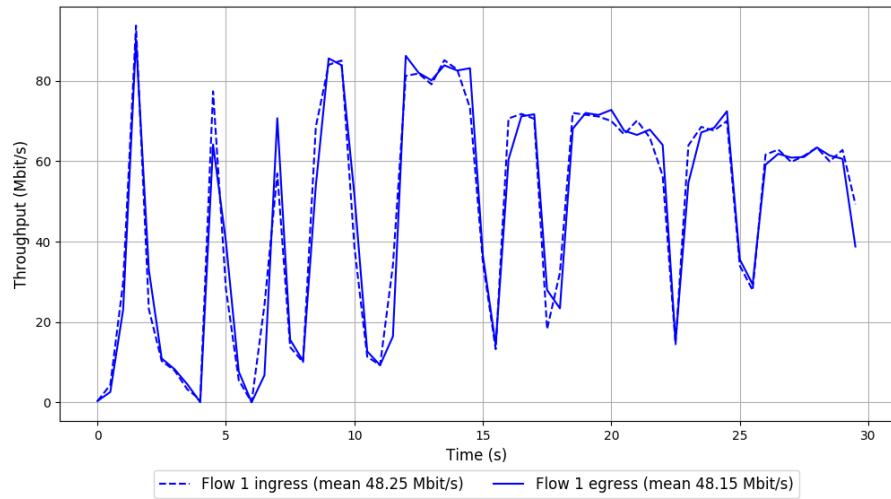


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-08-31 00:11:54
End at: 2017-08-31 00:12:24
Local clock offset: 0.475 ms
Remote clock offset: -3.578 ms

# Below is generated by plot.py at 2017-08-31 05:54:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 87.170 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 87.170 ms
Loss rate: 0.76%
```

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

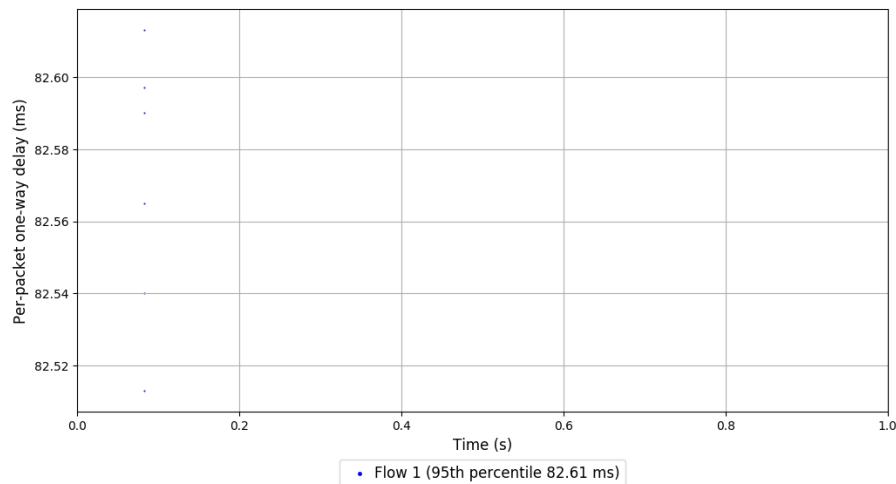
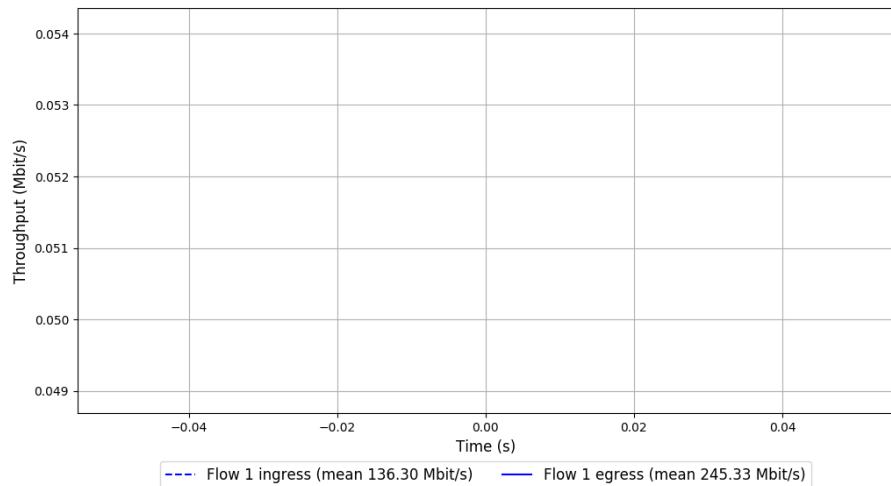
Start at: 2017-08-31 00:31:03

End at: 2017-08-31 00:31:33

Local clock offset: 0.464 ms

Remote clock offset: 1.312 ms

Run 6: Report of QUIC Cubic — Data Link

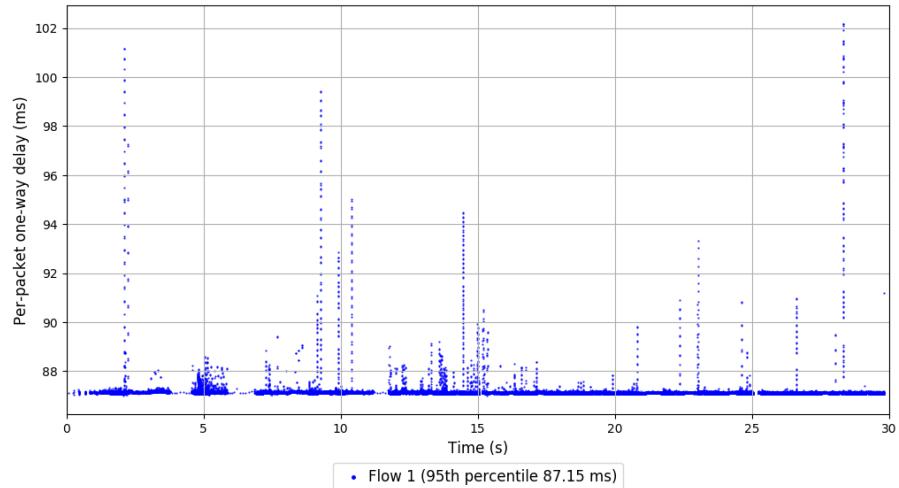
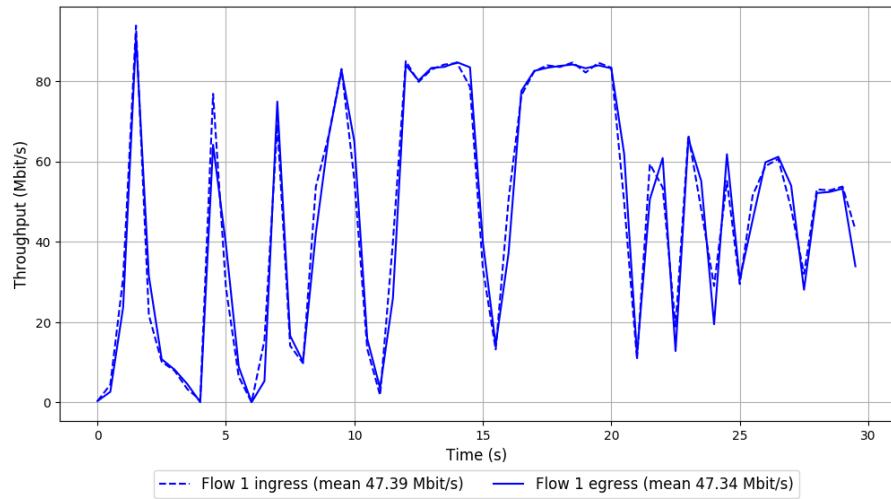


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-08-31 00:49:57
End at: 2017-08-31 00:50:27
Local clock offset: 0.357 ms
Remote clock offset: -3.661 ms

# Below is generated by plot.py at 2017-08-31 05:54:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.34 Mbit/s
95th percentile per-packet one-way delay: 87.154 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 47.34 Mbit/s
95th percentile per-packet one-way delay: 87.154 ms
Loss rate: 0.65%
```

Run 7: Report of QUIC Cubic — Data Link

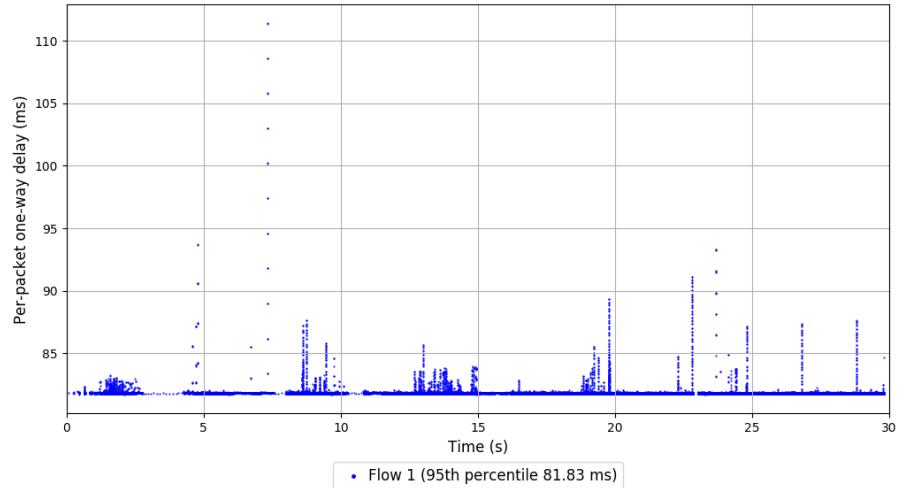
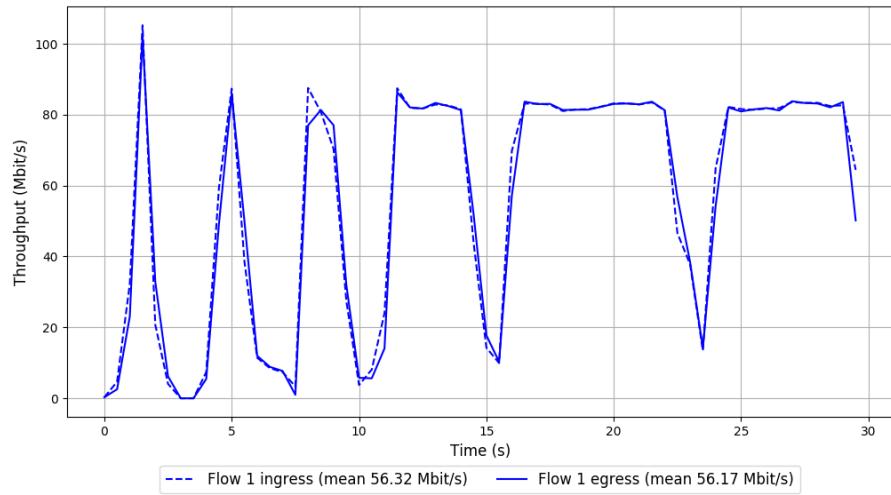


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-08-31 01:09:00
End at: 2017-08-31 01:09:30
Local clock offset: 0.332 ms
Remote clock offset: -0.701 ms

# Below is generated by plot.py at 2017-08-31 05:54:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 81.832 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 81.832 ms
Loss rate: 0.82%
```

Run 8: Report of QUIC Cubic — Data Link

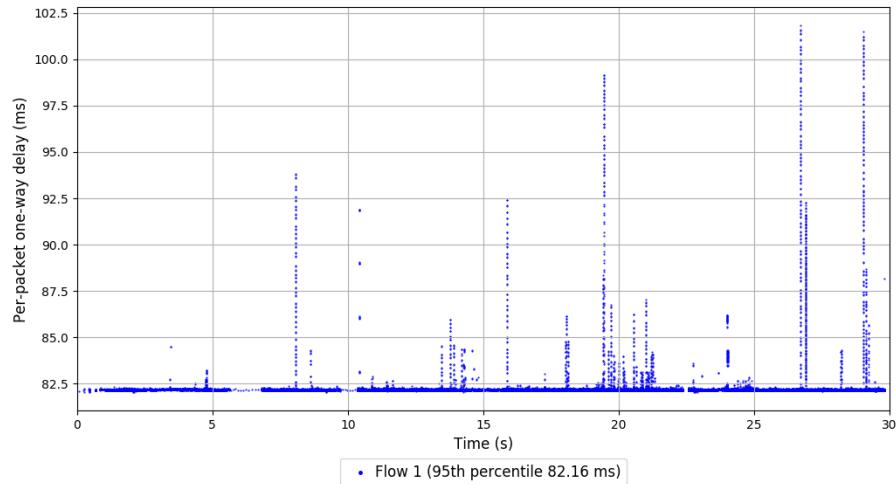
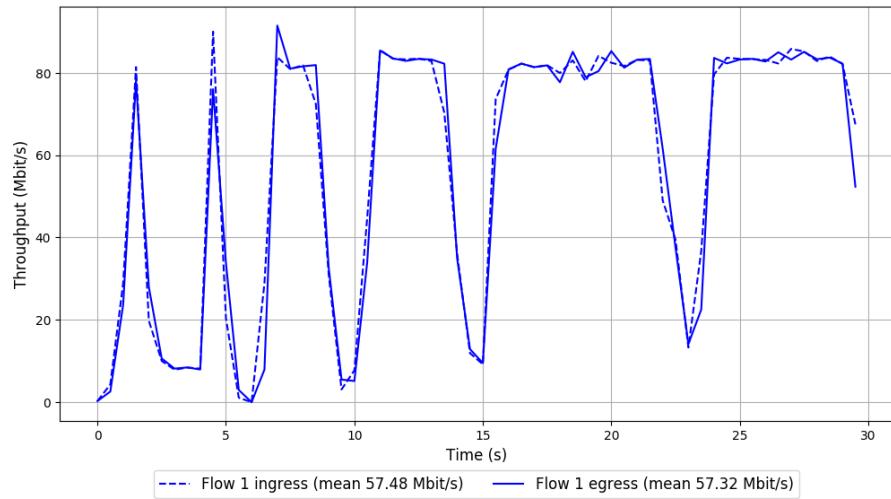


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-08-31 01:28:12
End at: 2017-08-31 01:28:42
Local clock offset: 0.383 ms
Remote clock offset: 1.098 ms

# Below is generated by plot.py at 2017-08-31 05:54:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 82.162 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 82.162 ms
Loss rate: 0.84%
```

Run 9: Report of QUIC Cubic — Data Link

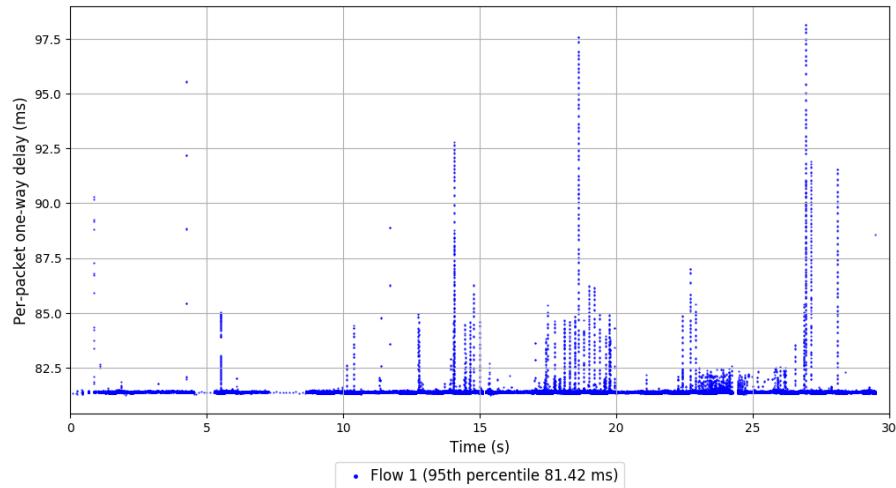
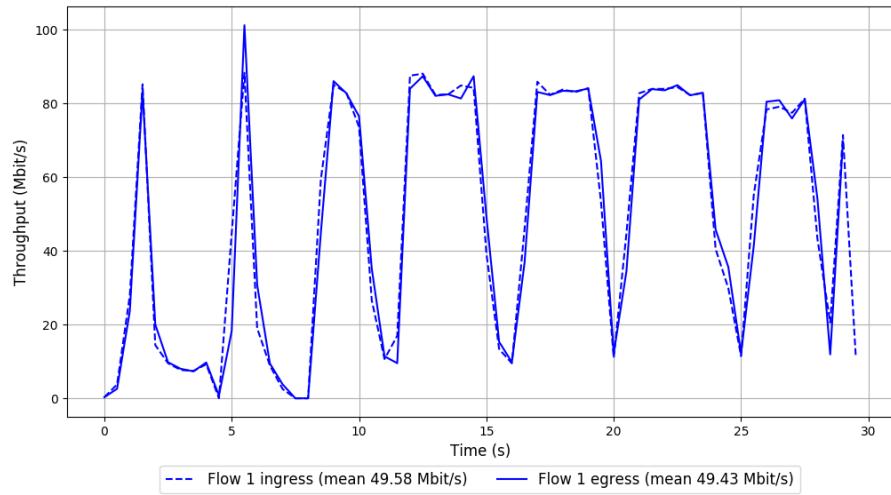


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-08-31 01:47:37
End at: 2017-08-31 01:48:07
Local clock offset: 0.314 ms
Remote clock offset: -0.289 ms

# Below is generated by plot.py at 2017-08-31 05:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 81.416 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 81.416 ms
Loss rate: 0.84%
```

Run 10: Report of QUIC Cubic — Data Link

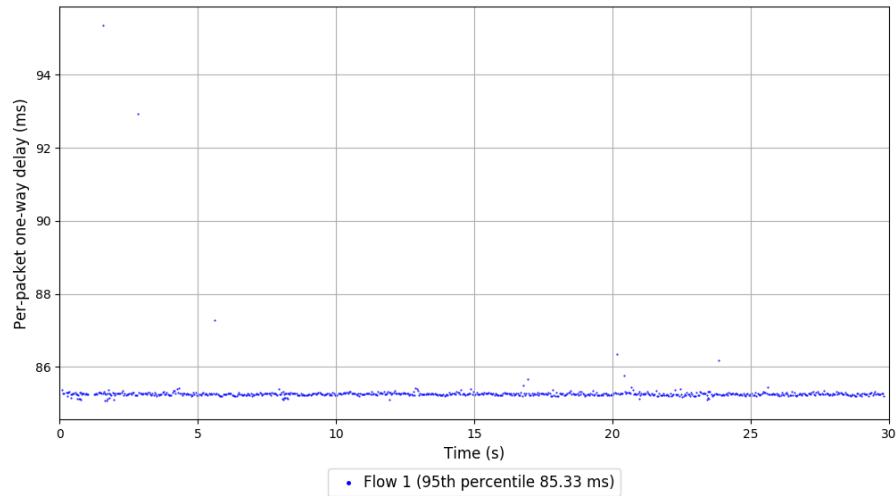
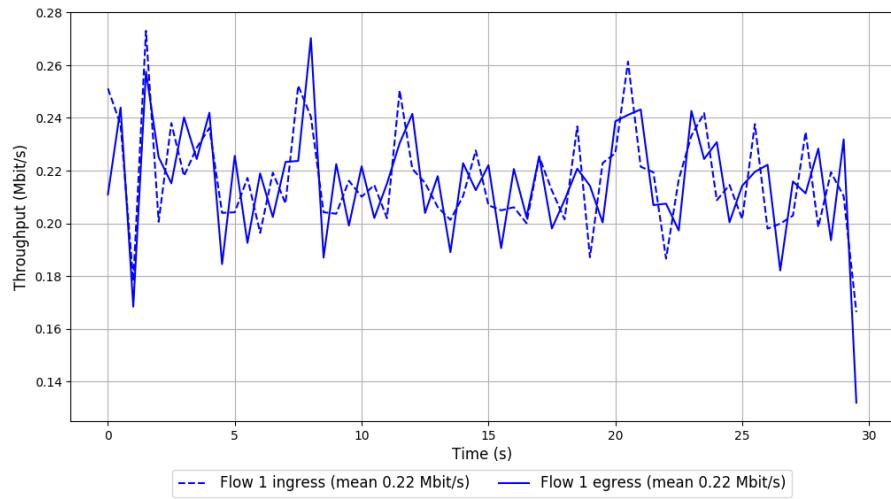


Run 1: Statistics of SCReAM

```
Start at: 2017-08-30 23:02:20
End at: 2017-08-30 23:02:50
Local clock offset: 0.247 ms
Remote clock offset: -4.161 ms

# Below is generated by plot.py at 2017-08-31 05:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.329 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.329 ms
Loss rate: 0.51%
```

Run 1: Report of SCReAM — Data Link

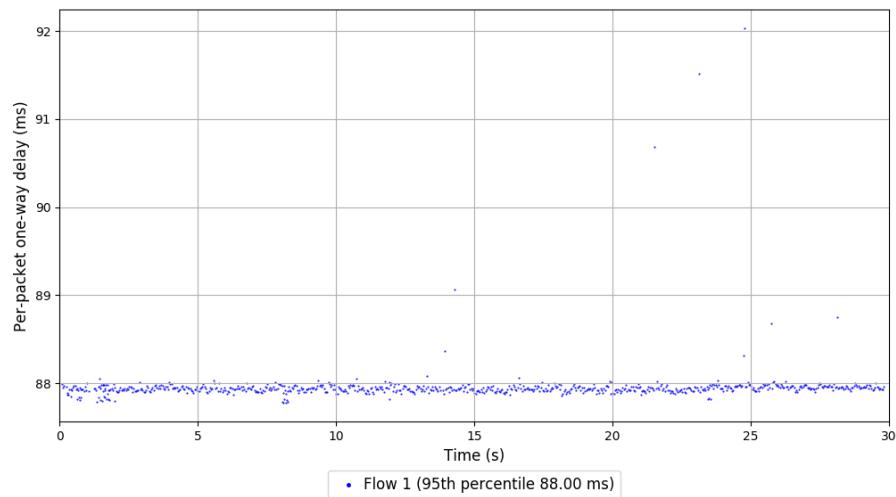
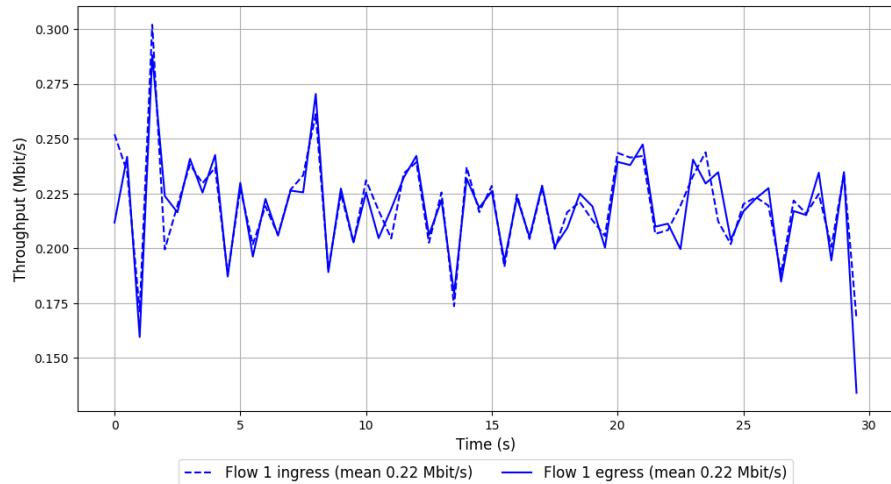


Run 2: Statistics of SCReAM

```
Start at: 2017-08-30 23:21:36
End at: 2017-08-30 23:22:06
Local clock offset: 0.369 ms
Remote clock offset: -4.692 ms

# Below is generated by plot.py at 2017-08-31 05:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.998 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.998 ms
Loss rate: 0.51%
```

Run 2: Report of SCReAM — Data Link

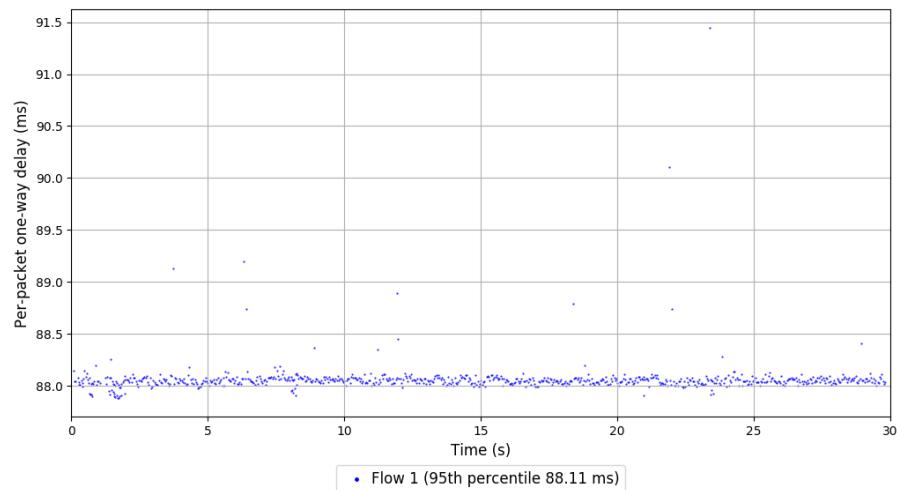
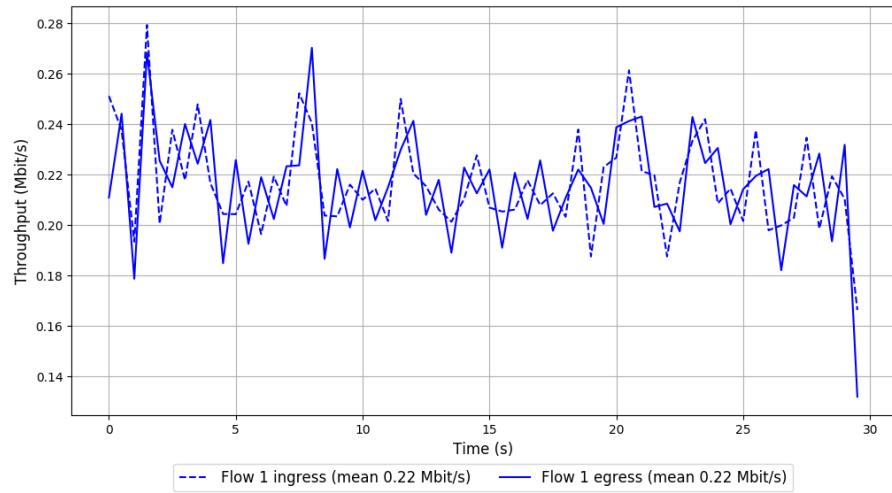


Run 3: Statistics of SCReAM

```
Start at: 2017-08-30 23:40:54
End at: 2017-08-30 23:41:24
Local clock offset: 0.407 ms
Remote clock offset: -4.619 ms

# Below is generated by plot.py at 2017-08-31 05:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.112 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.112 ms
Loss rate: 0.51%
```

Run 3: Report of SCReAM — Data Link

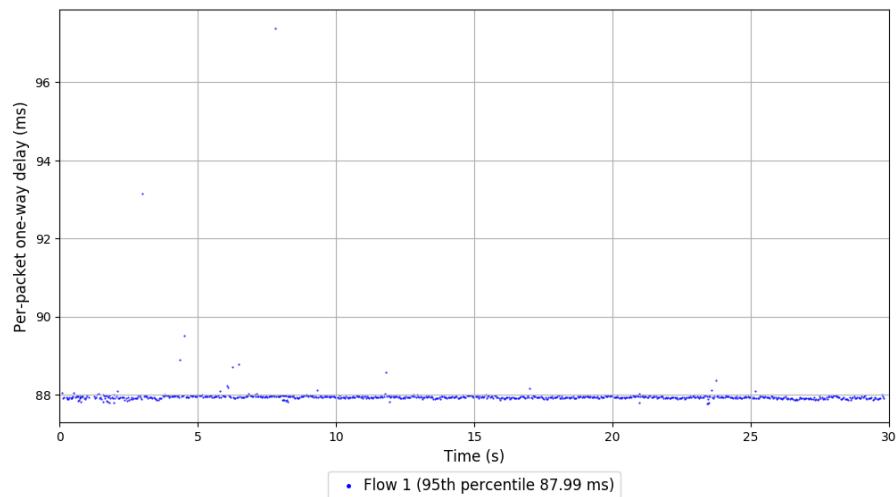
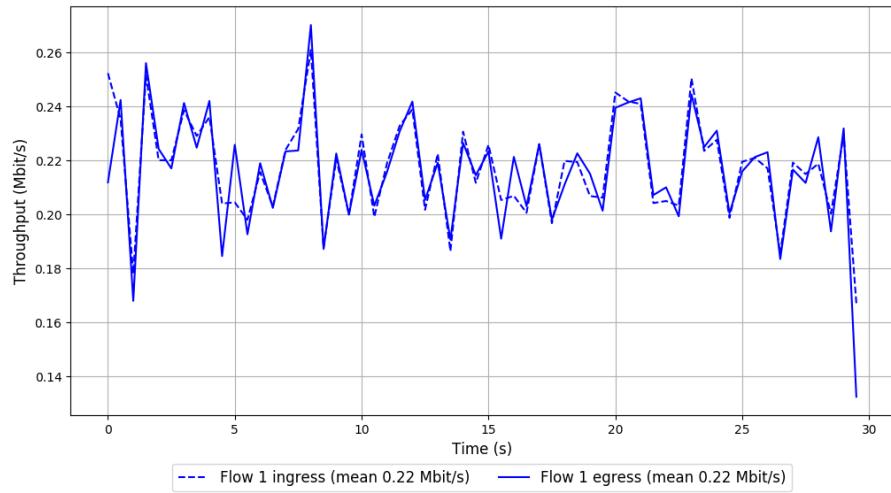


Run 4: Statistics of SCReAM

```
Start at: 2017-08-30 23:59:56
End at: 2017-08-31 00:00:26
Local clock offset: 0.549 ms
Remote clock offset: -4.488 ms

# Below is generated by plot.py at 2017-08-31 05:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.987 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.987 ms
Loss rate: 0.52%
```

Run 4: Report of SCReAM — Data Link

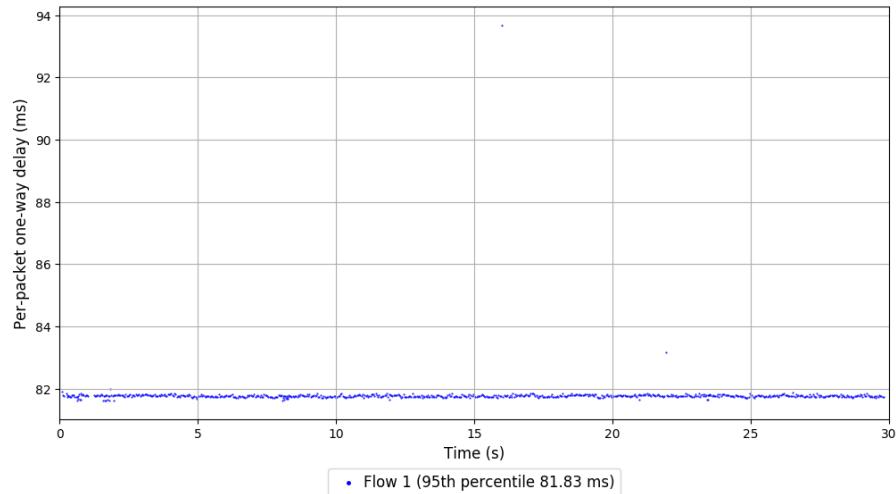
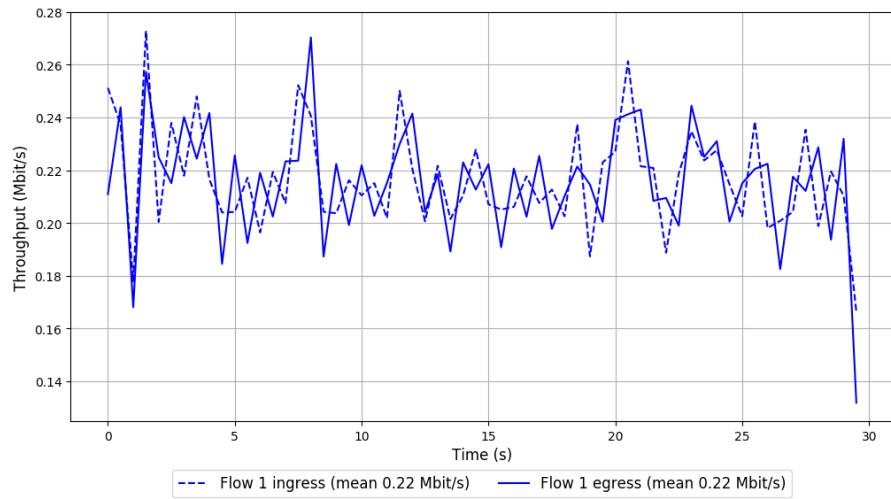


Run 5: Statistics of SCReAM

```
Start at: 2017-08-31 00:19:21
End at: 2017-08-31 00:19:51
Local clock offset: 0.47 ms
Remote clock offset: -0.333 ms

# Below is generated by plot.py at 2017-08-31 05:54:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.826 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.826 ms
Loss rate: 0.51%
```

Run 5: Report of SCReAM — Data Link

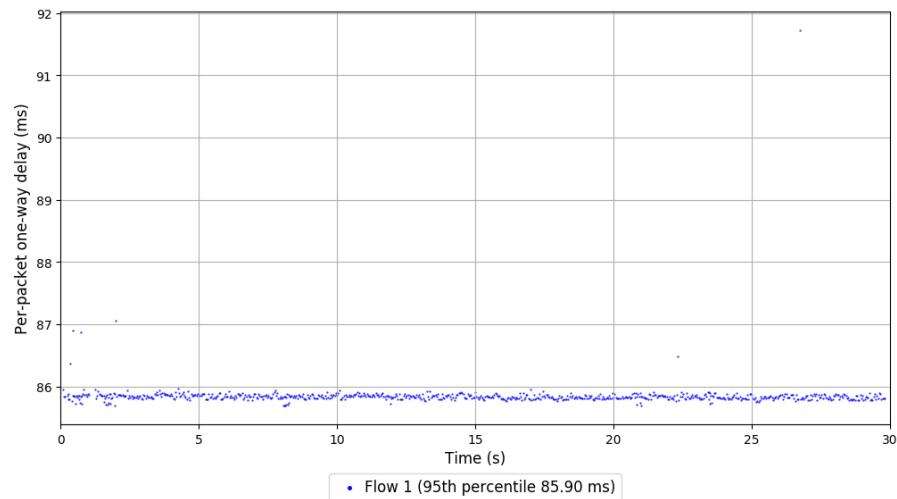
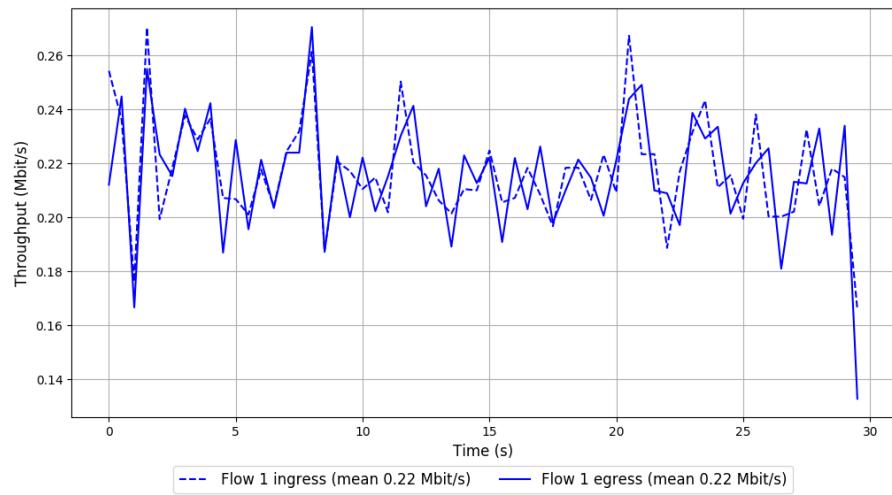


Run 6: Statistics of SCReAM

```
Start at: 2017-08-31 00:38:18
End at: 2017-08-31 00:38:48
Local clock offset: 0.358 ms
Remote clock offset: -4.315 ms

# Below is generated by plot.py at 2017-08-31 05:54:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.900 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.900 ms
Loss rate: 0.51%
```

Run 6: Report of SCReAM — Data Link

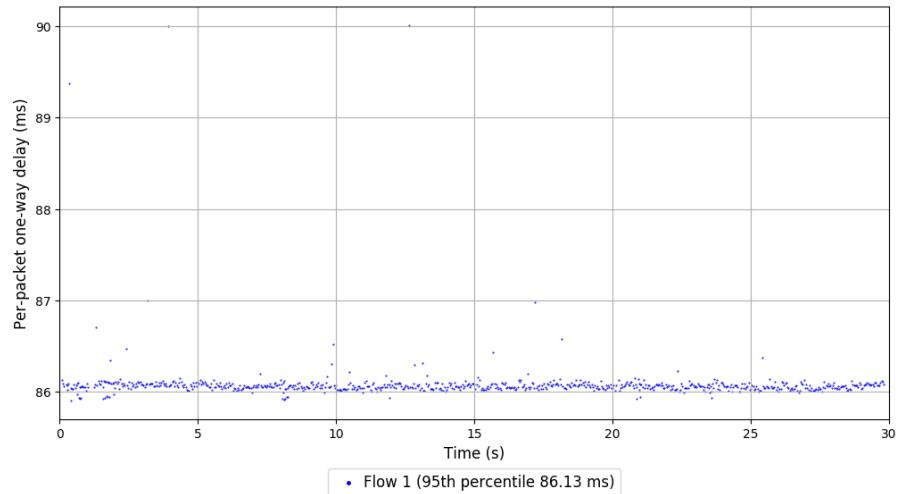
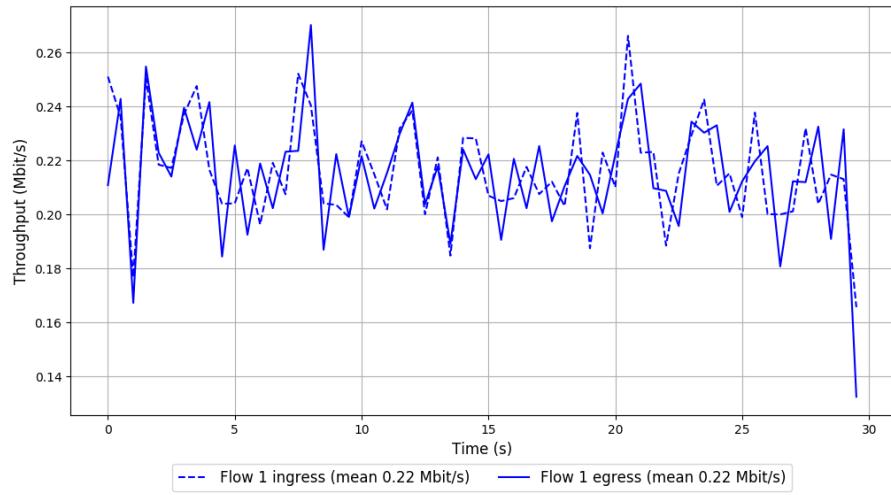


Run 7: Statistics of SCReAM

```
Start at: 2017-08-31 00:57:21
End at: 2017-08-31 00:57:51
Local clock offset: 0.297 ms
Remote clock offset: -4.523 ms

# Below is generated by plot.py at 2017-08-31 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.128 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.128 ms
Loss rate: 0.51%
```

Run 7: Report of SCReAM — Data Link

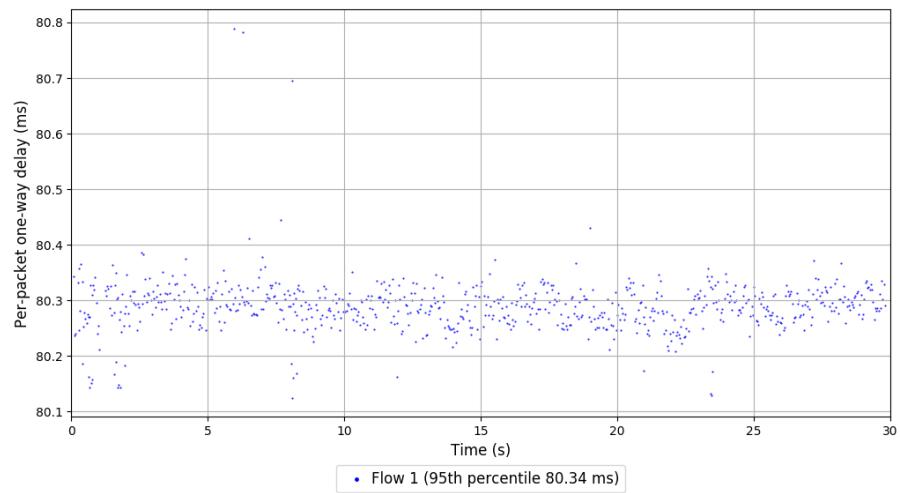
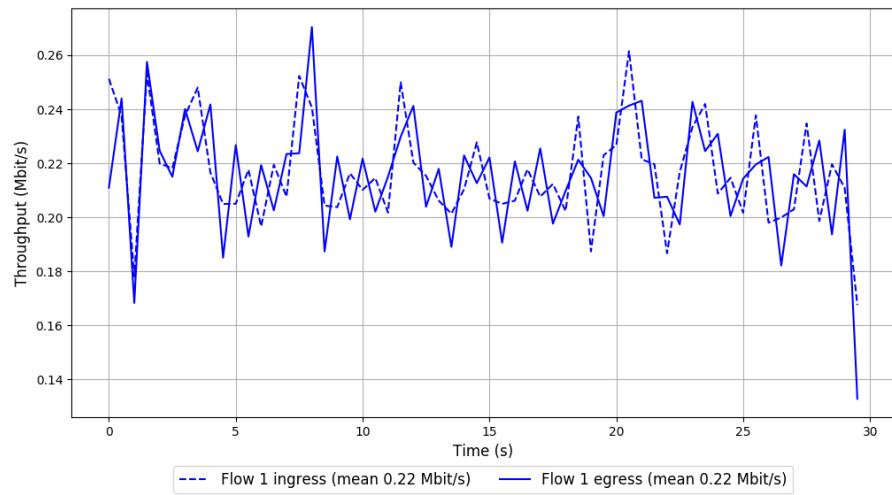


Run 8: Statistics of SCReAM

```
Start at: 2017-08-31 01:16:27
End at: 2017-08-31 01:16:57
Local clock offset: 0.377 ms
Remote clock offset: 1.205 ms

# Below is generated by plot.py at 2017-08-31 05:54:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.340 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.340 ms
Loss rate: 0.52%
```

Run 8: Report of SCReAM — Data Link

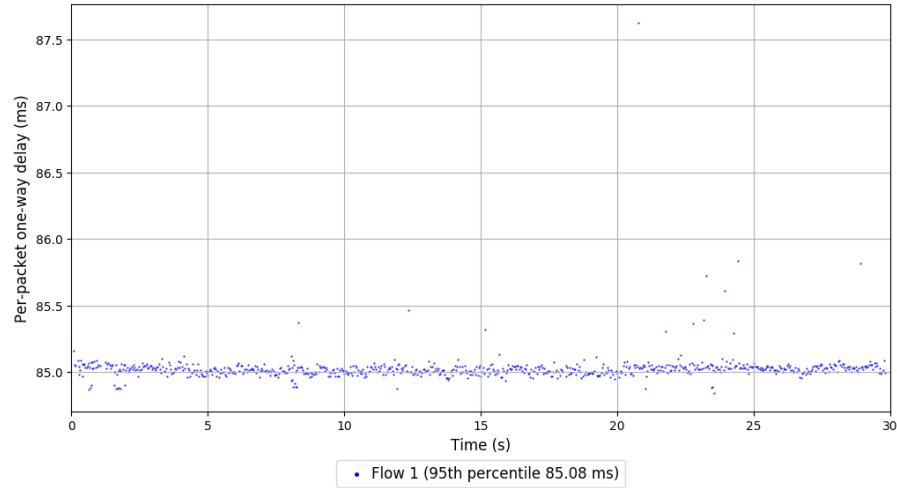
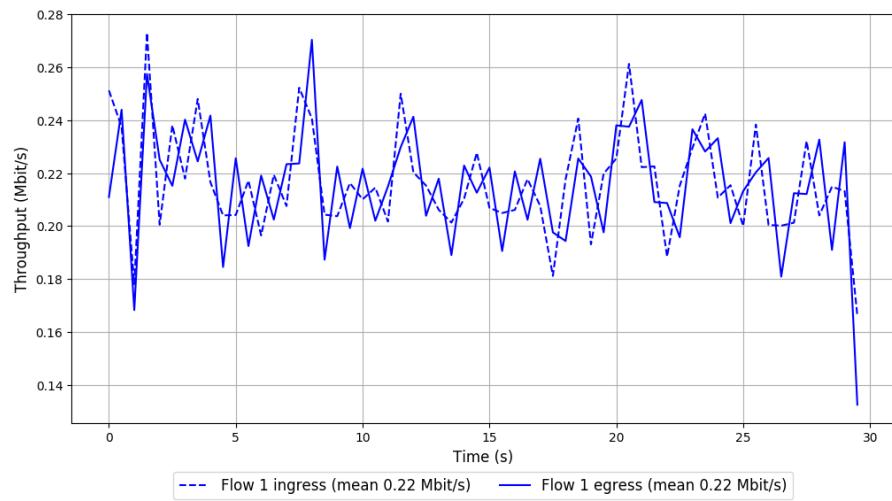


Run 9: Statistics of SCReAM

```
Start at: 2017-08-31 01:35:39
End at: 2017-08-31 01:36:09
Local clock offset: 0.267 ms
Remote clock offset: -3.913 ms

# Below is generated by plot.py at 2017-08-31 05:54:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.079 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.079 ms
Loss rate: 0.51%
```

Run 9: Report of SCReAM — Data Link

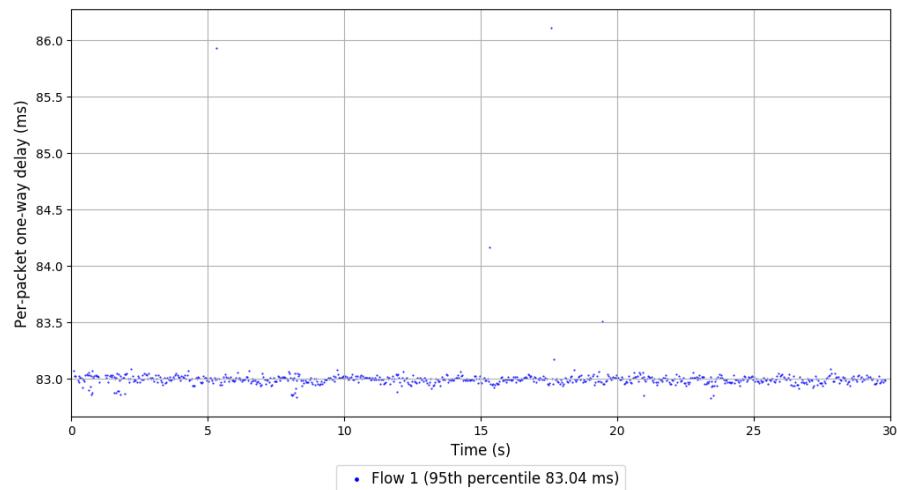
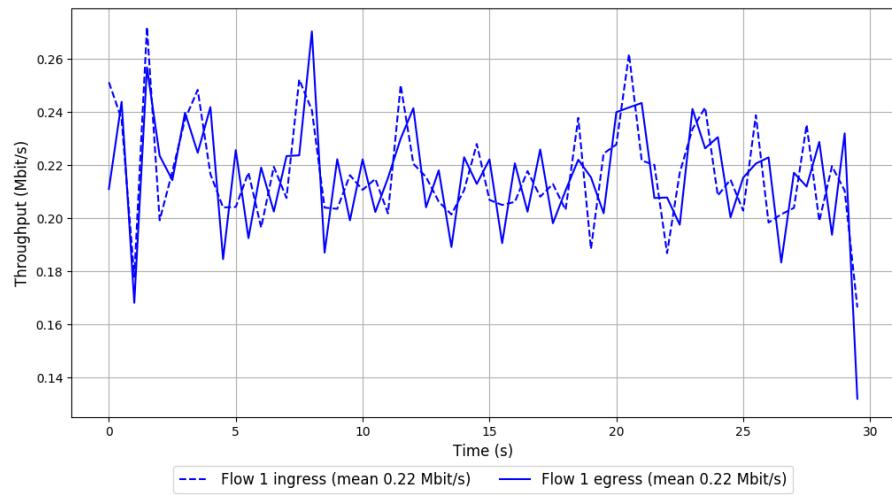


Run 10: Statistics of SCReAM

```
Start at: 2017-08-31 01:55:04
End at: 2017-08-31 01:55:34
Local clock offset: 0.268 ms
Remote clock offset: -0.337 ms

# Below is generated by plot.py at 2017-08-31 05:54:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.038 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.038 ms
Loss rate: 0.51%
```

Run 10: Report of SCReAM — Data Link

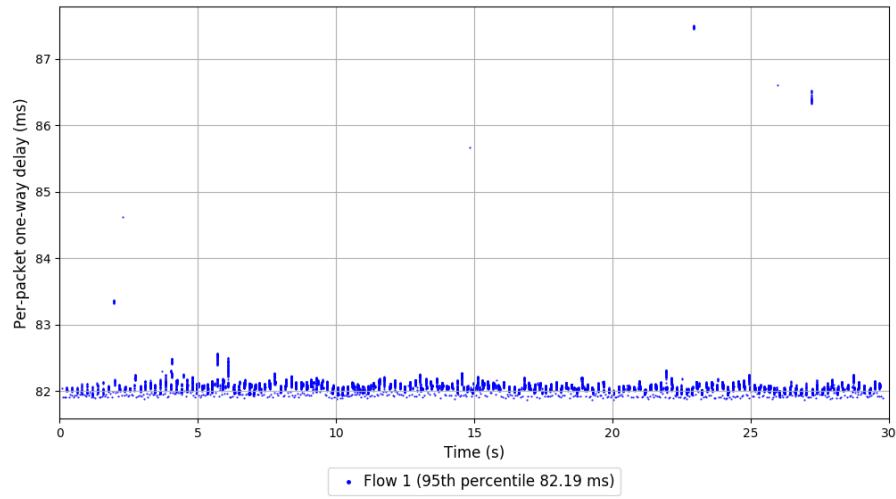
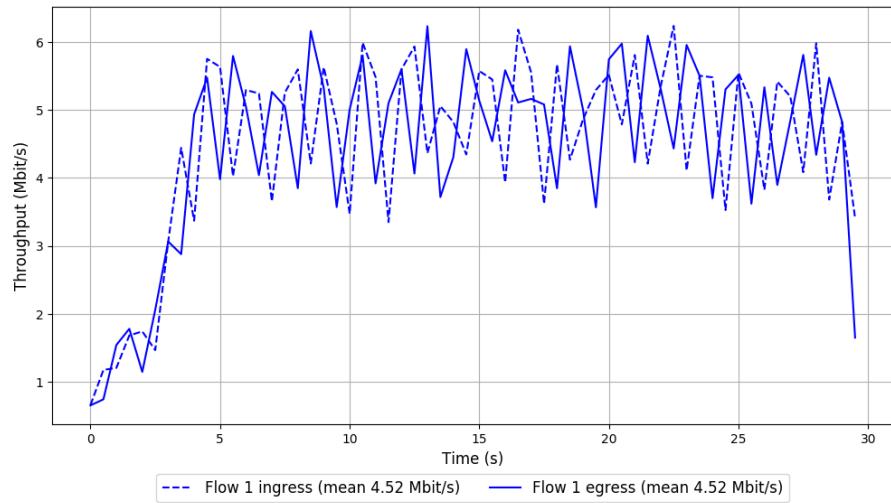


Run 1: Statistics of Sprout

```
Start at: 2017-08-30 22:59:57
End at: 2017-08-30 23:00:27
Local clock offset: 0.265 ms
Remote clock offset: -1.156 ms

# Below is generated by plot.py at 2017-08-31 05:54:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 82.185 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 82.185 ms
Loss rate: 0.65%
```

Run 1: Report of Sprout — Data Link

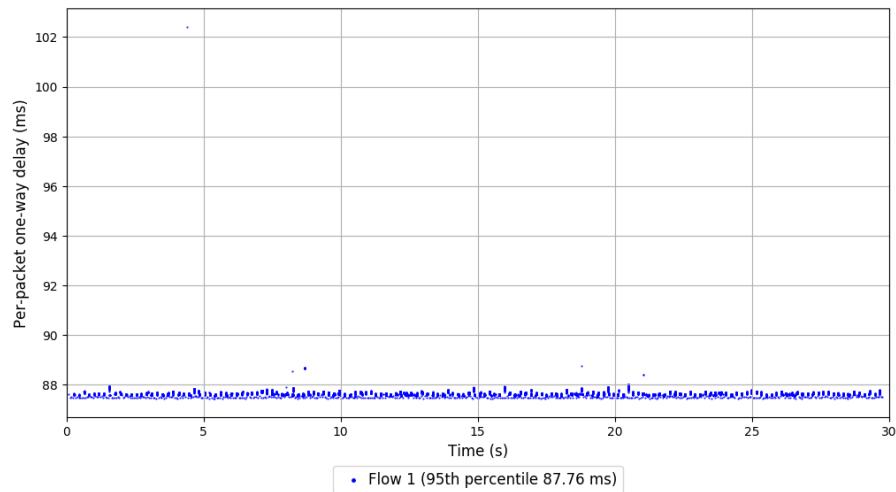
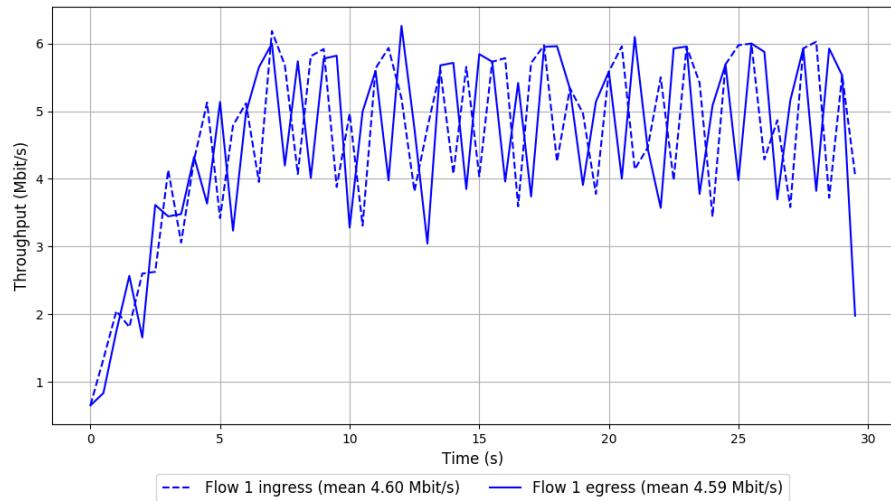


Run 2: Statistics of Sprout

```
Start at: 2017-08-30 23:19:11
End at: 2017-08-30 23:19:41
Local clock offset: 0.361 ms
Remote clock offset: -4.808 ms

# Below is generated by plot.py at 2017-08-31 05:54:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 87.764 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 87.764 ms
Loss rate: 0.76%
```

Run 2: Report of Sprout — Data Link

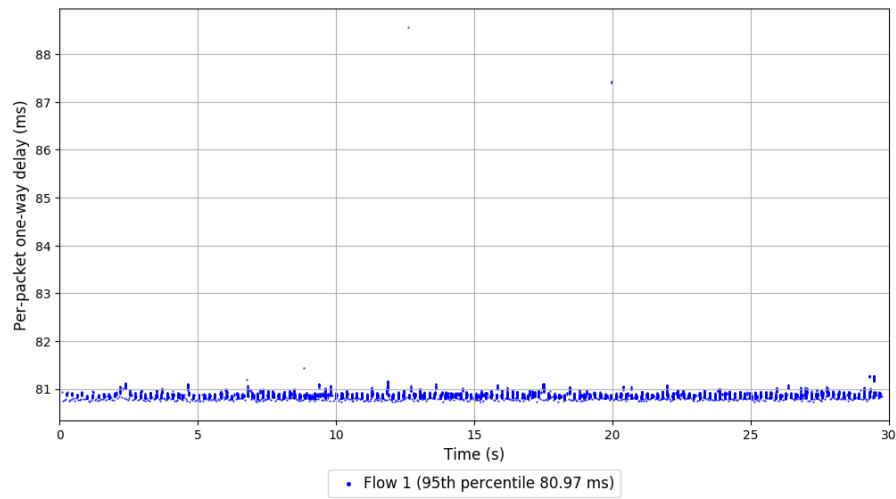
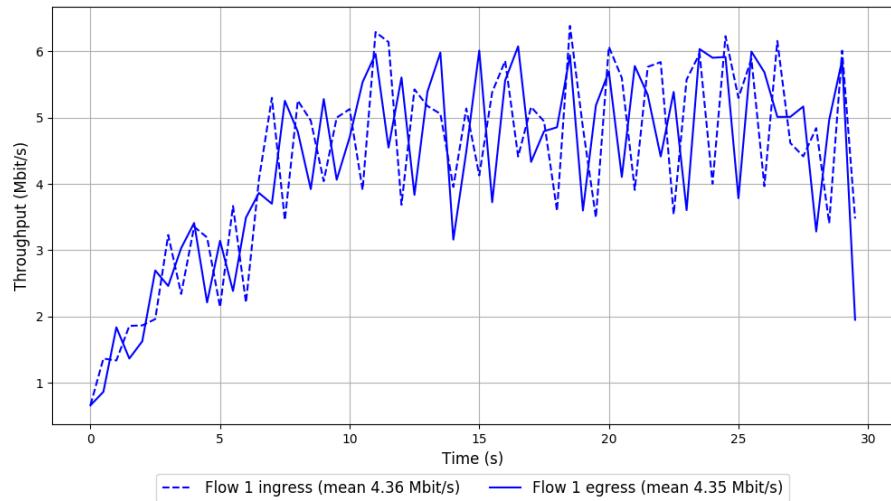


Run 3: Statistics of Sprout

```
Start at: 2017-08-30 23:38:32
End at: 2017-08-30 23:39:02
Local clock offset: 0.398 ms
Remote clock offset: 0.313 ms

# Below is generated by plot.py at 2017-08-31 05:54:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 80.974 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 80.974 ms
Loss rate: 0.65%
```

Run 3: Report of Sprout — Data Link

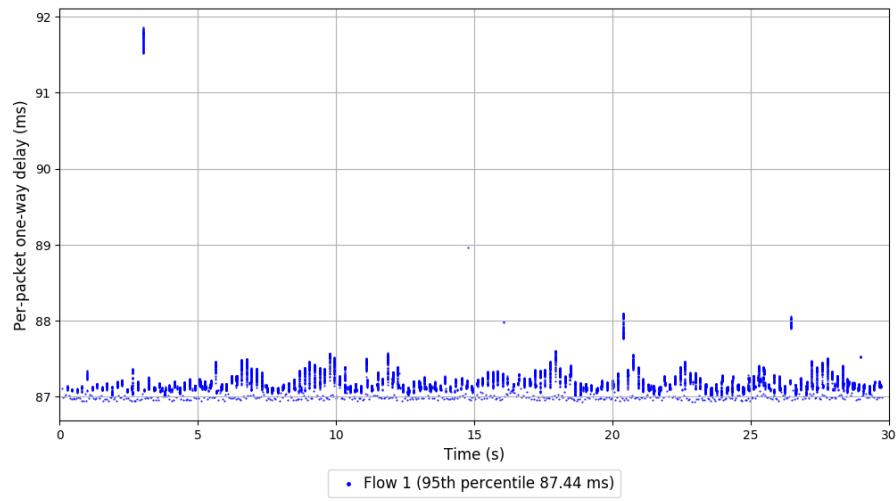
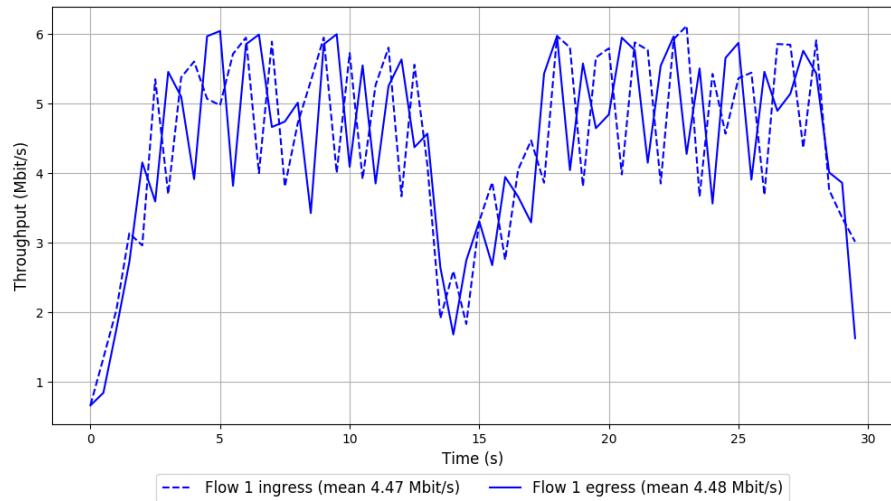


Run 4: Statistics of Sprout

```
Start at: 2017-08-30 23:57:34
End at: 2017-08-30 23:58:04
Local clock offset: 0.505 ms
Remote clock offset: -3.472 ms

# Below is generated by plot.py at 2017-08-31 05:54:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 87.444 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 87.444 ms
Loss rate: 0.53%
```

Run 4: Report of Sprout — Data Link

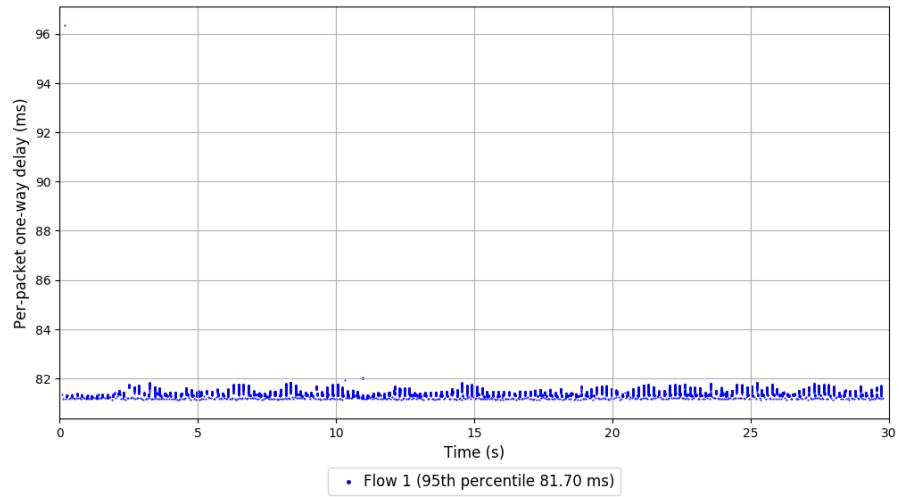
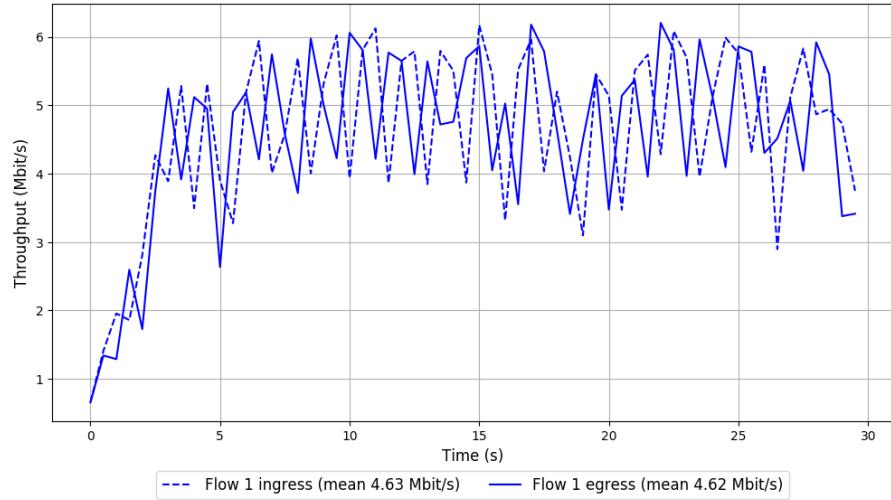


Run 5: Statistics of Sprout

```
Start at: 2017-08-31 00:16:59
End at: 2017-08-31 00:17:29
Local clock offset: 0.441 ms
Remote clock offset: 0.395 ms

# Below is generated by plot.py at 2017-08-31 05:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 81.703 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 81.703 ms
Loss rate: 0.72%
```

Run 5: Report of Sprout — Data Link

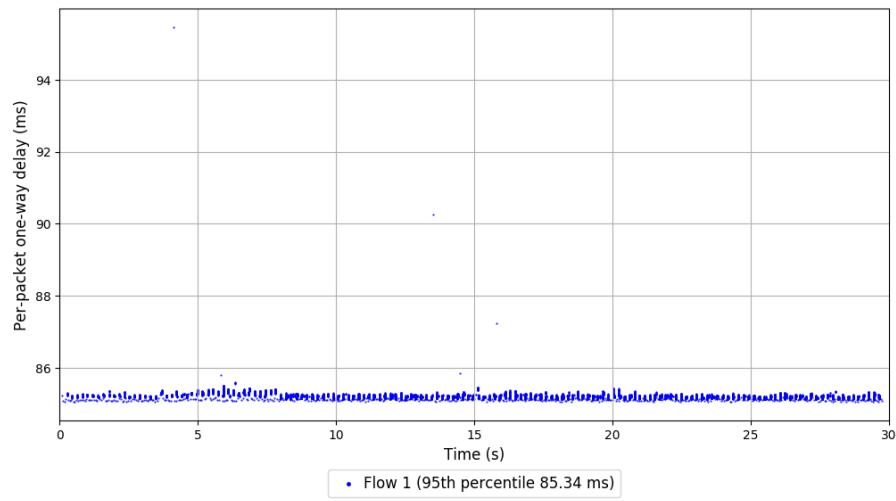
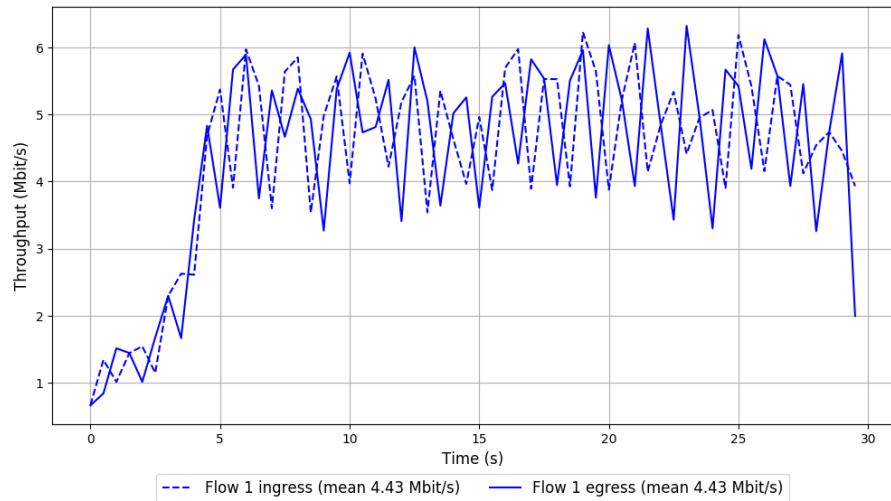


Run 6: Statistics of Sprout

```
Start at: 2017-08-31 00:35:56
End at: 2017-08-31 00:36:26
Local clock offset: 0.481 ms
Remote clock offset: -3.247 ms

# Below is generated by plot.py at 2017-08-31 05:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 85.337 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 85.337 ms
Loss rate: 0.74%
```

Run 6: Report of Sprout — Data Link

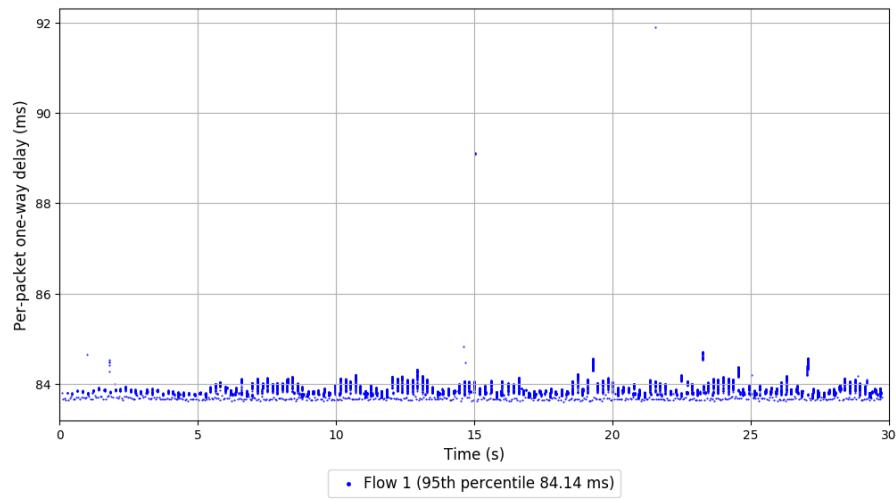
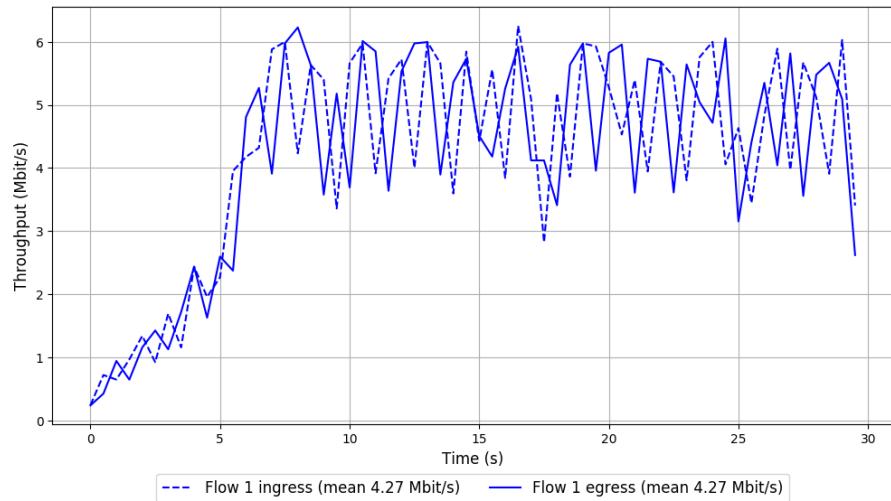


Run 7: Statistics of Sprout

```
Start at: 2017-08-31 00:55:00
End at: 2017-08-31 00:55:30
Local clock offset: 0.356 ms
Remote clock offset: -0.667 ms

# Below is generated by plot.py at 2017-08-31 05:54:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 84.139 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 84.139 ms
Loss rate: 0.68%
```

Run 7: Report of Sprout — Data Link

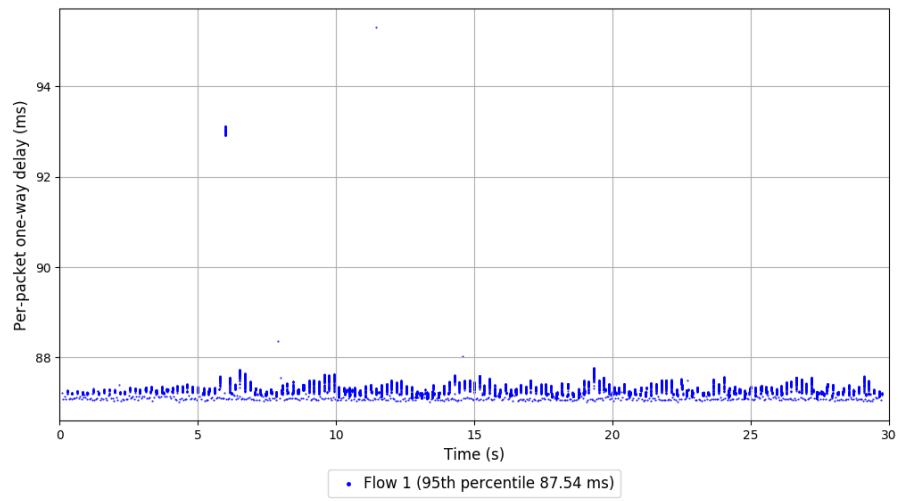
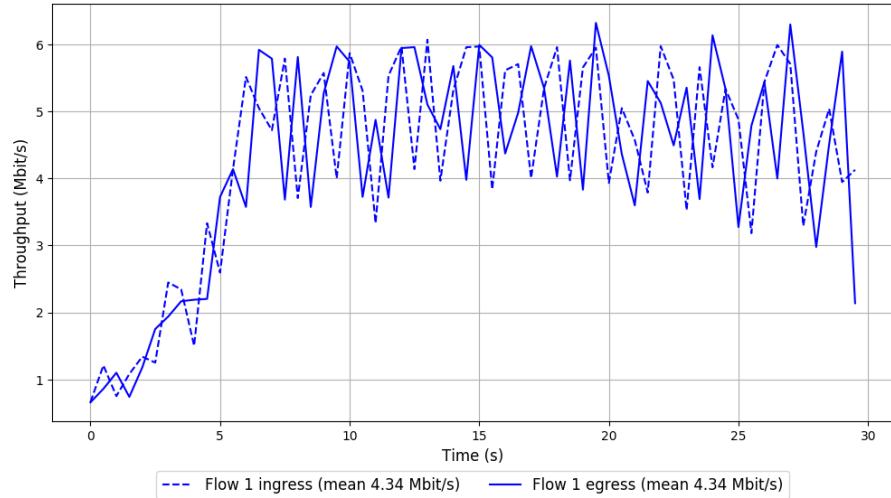


Run 8: Statistics of Sprout

```
Start at: 2017-08-31 01:14:05
End at: 2017-08-31 01:14:35
Local clock offset: 0.341 ms
Remote clock offset: -3.728 ms

# Below is generated by plot.py at 2017-08-31 05:54:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 87.536 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 87.536 ms
Loss rate: 0.78%
```

Run 8: Report of Sprout — Data Link

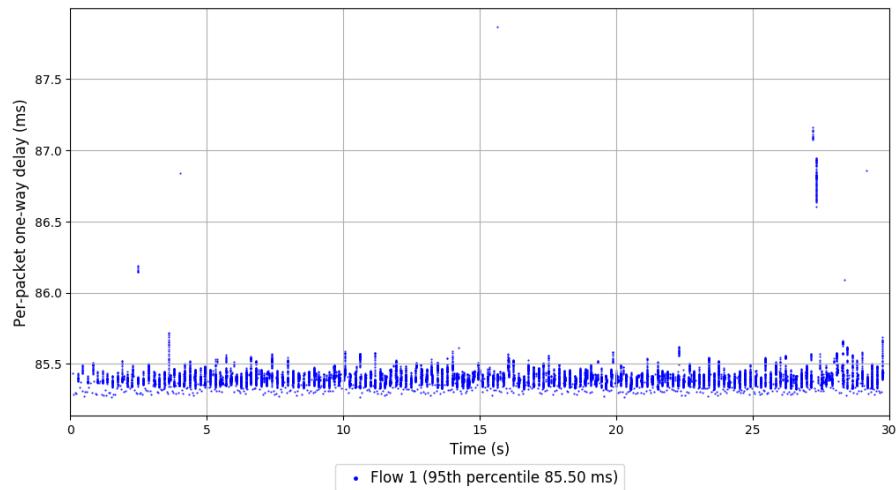
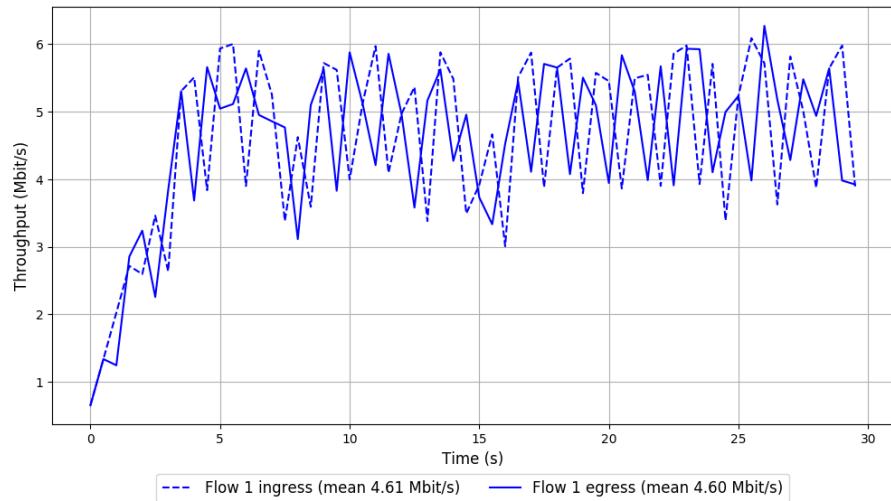


Run 9: Statistics of Sprout

```
Start at: 2017-08-31 01:33:17
End at: 2017-08-31 01:33:47
Local clock offset: 0.389 ms
Remote clock offset: -3.968 ms

# Below is generated by plot.py at 2017-08-31 05:54:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 85.505 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 85.505 ms
Loss rate: 0.71%
```

Run 9: Report of Sprout — Data Link

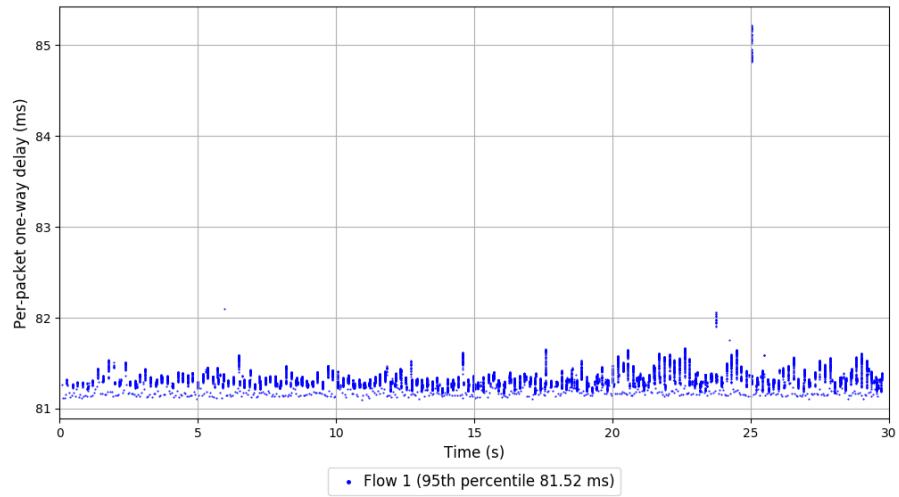
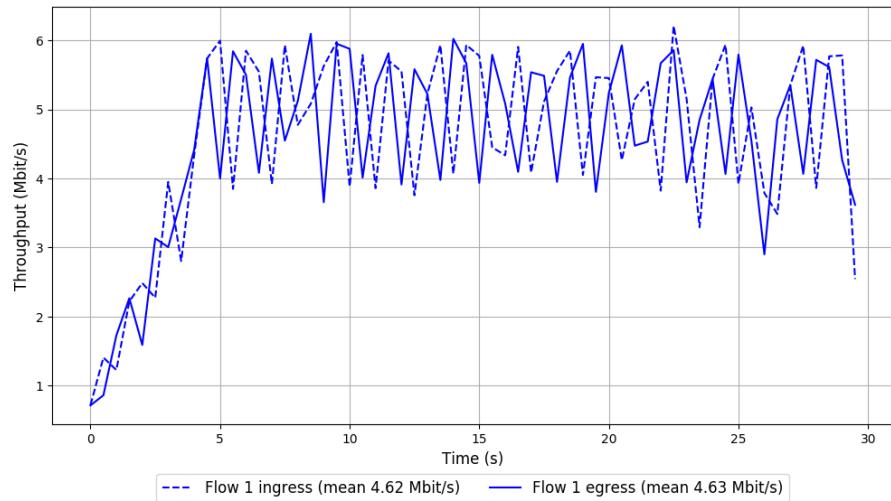


Run 10: Statistics of Sprout

```
Start at: 2017-08-31 01:52:42
End at: 2017-08-31 01:53:12
Local clock offset: 0.317 ms
Remote clock offset: -0.358 ms

# Below is generated by plot.py at 2017-08-31 05:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 81.520 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 81.520 ms
Loss rate: 0.23%
```

Run 10: Report of Sprout — Data Link

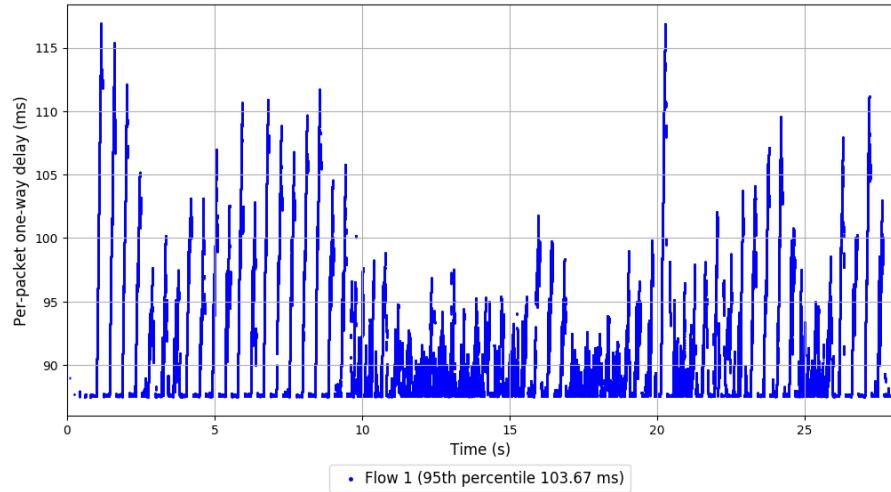
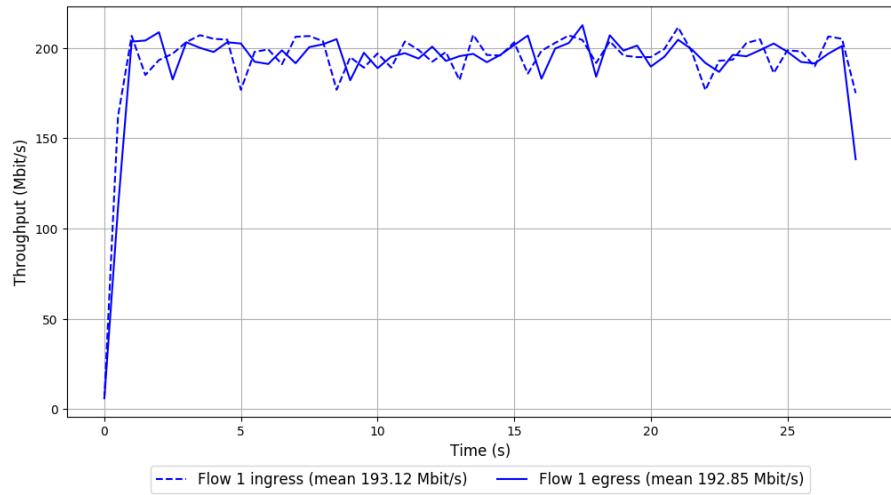


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-08-30 22:46:44
End at: 2017-08-30 22:47:14
Local clock offset: 0.249 ms
Remote clock offset: -5.387 ms

# Below is generated by plot.py at 2017-08-31 05:55:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.85 Mbit/s
95th percentile per-packet one-way delay: 103.666 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 192.85 Mbit/s
95th percentile per-packet one-way delay: 103.666 ms
Loss rate: 0.79%
```

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

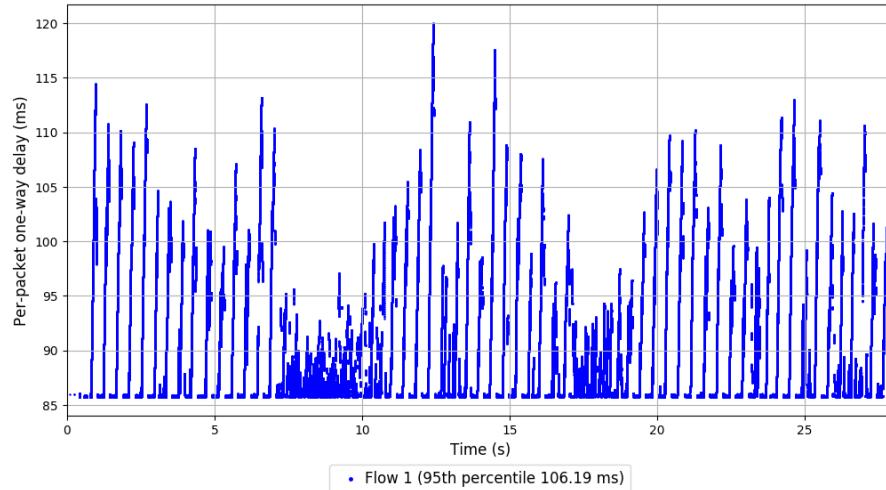
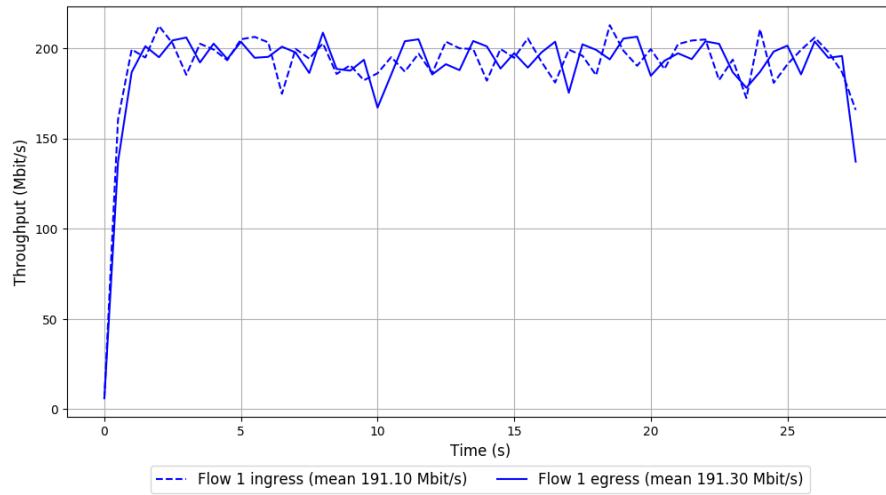


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-08-30 23:05:51
End at: 2017-08-30 23:06:21
Local clock offset: 0.292 ms
Remote clock offset: -5.16 ms

# Below is generated by plot.py at 2017-08-31 05:55:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 106.188 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 106.188 ms
Loss rate: 0.59%
```

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

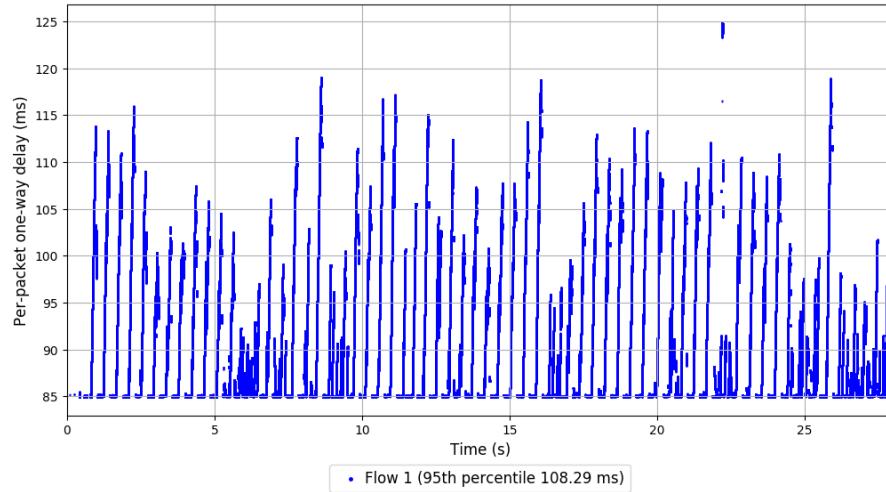
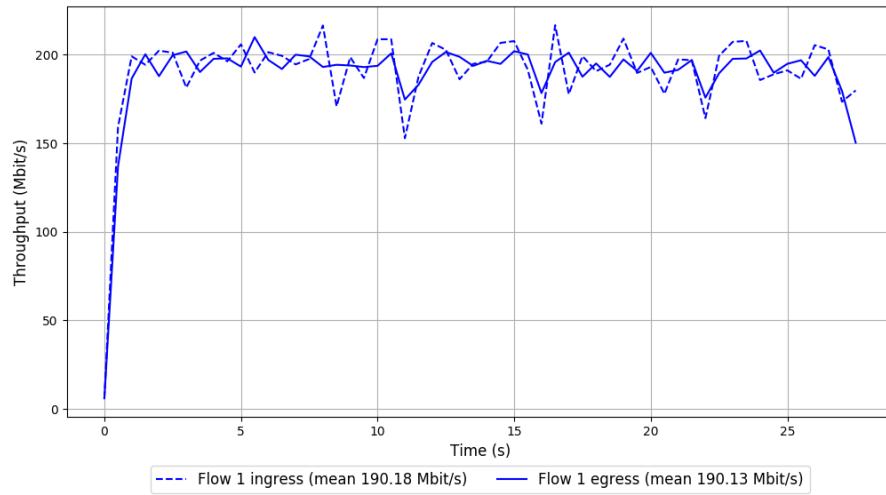


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-08-30 23:25:08
End at: 2017-08-30 23:25:38
Local clock offset: 0.325 ms
Remote clock offset: -3.869 ms

# Below is generated by plot.py at 2017-08-31 05:55:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.13 Mbit/s
95th percentile per-packet one-way delay: 108.287 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 190.13 Mbit/s
95th percentile per-packet one-way delay: 108.287 ms
Loss rate: 0.61%
```

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

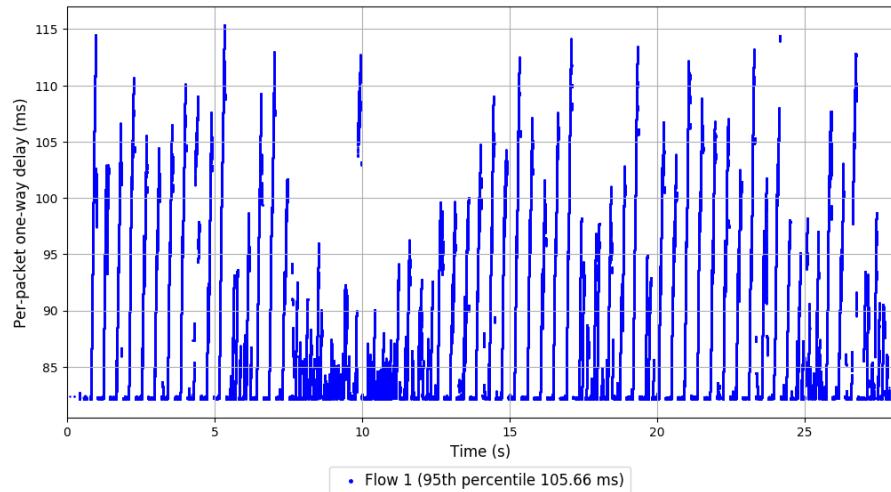
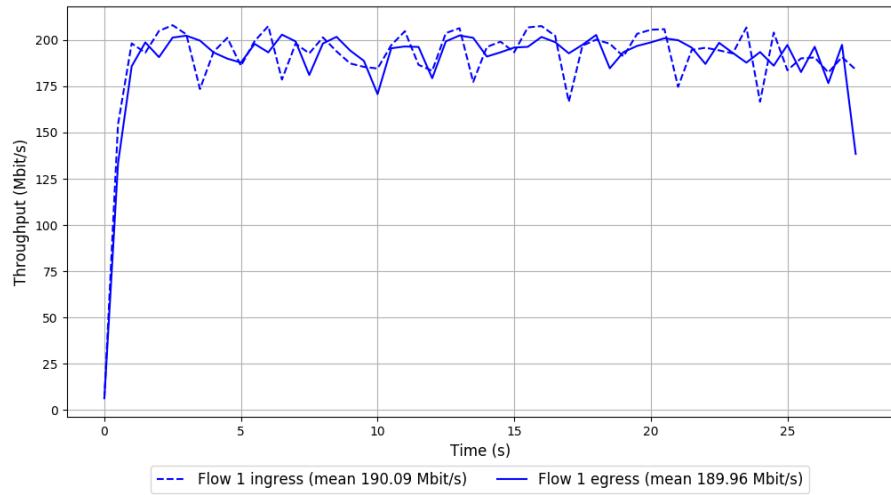


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-08-30 23:44:25
End at: 2017-08-30 23:44:55
Local clock offset: 0.406 ms
Remote clock offset: -0.535 ms

# Below is generated by plot.py at 2017-08-31 05:55:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.96 Mbit/s
95th percentile per-packet one-way delay: 105.661 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 189.96 Mbit/s
95th percentile per-packet one-way delay: 105.661 ms
Loss rate: 0.68%
```

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

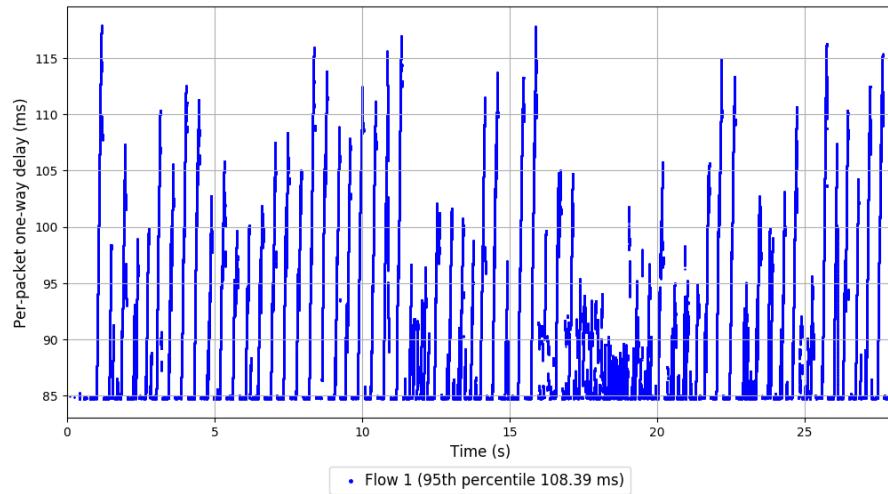
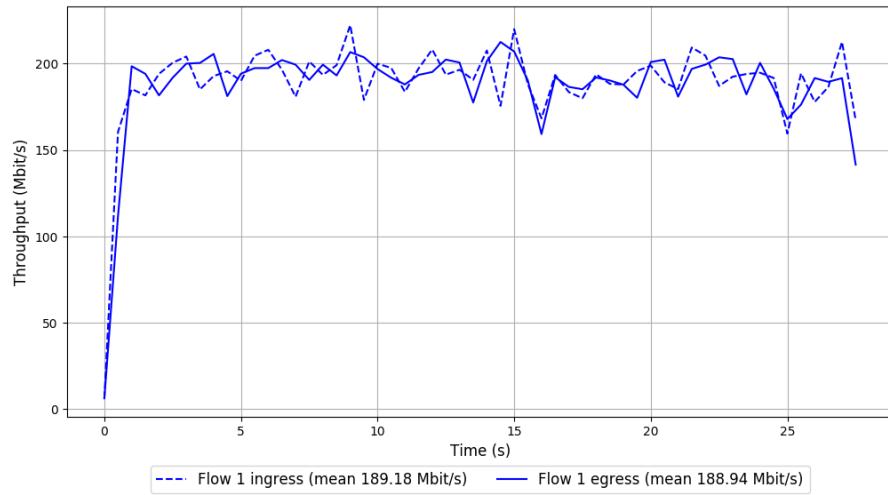


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-08-31 00:03:28
End at: 2017-08-31 00:03:58
Local clock offset: 0.551 ms
Remote clock offset: -3.496 ms

# Below is generated by plot.py at 2017-08-31 05:56:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 108.391 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 108.391 ms
Loss rate: 0.72%
```

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

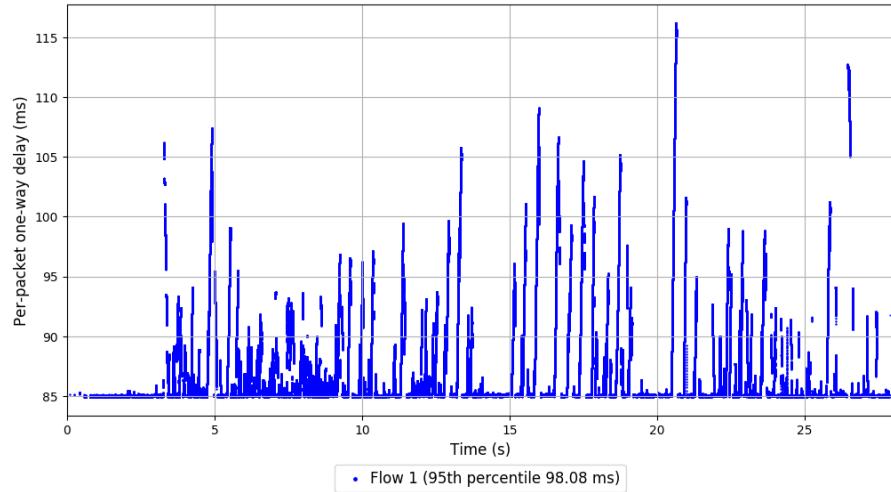
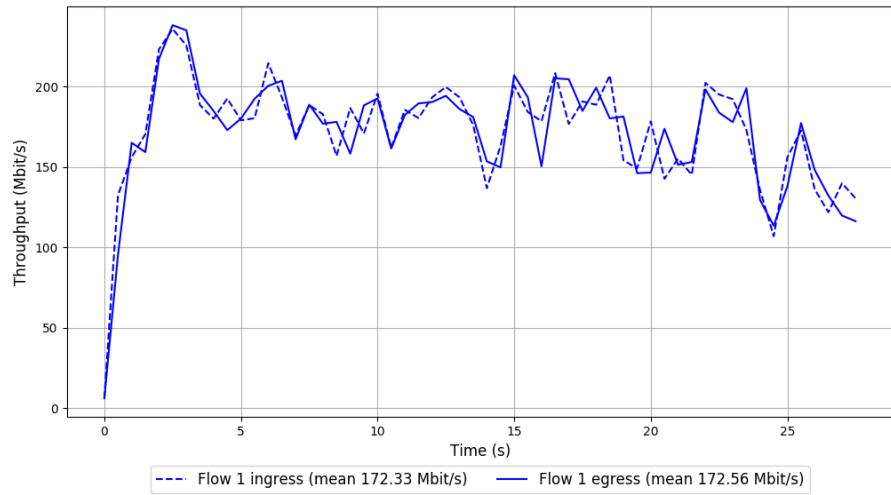


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-08-31 00:22:52
End at: 2017-08-31 00:23:22
Local clock offset: 0.432 ms
Remote clock offset: -3.426 ms

# Below is generated by plot.py at 2017-08-31 05:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.56 Mbit/s
95th percentile per-packet one-way delay: 98.083 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 172.56 Mbit/s
95th percentile per-packet one-way delay: 98.083 ms
Loss rate: 0.47%
```

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

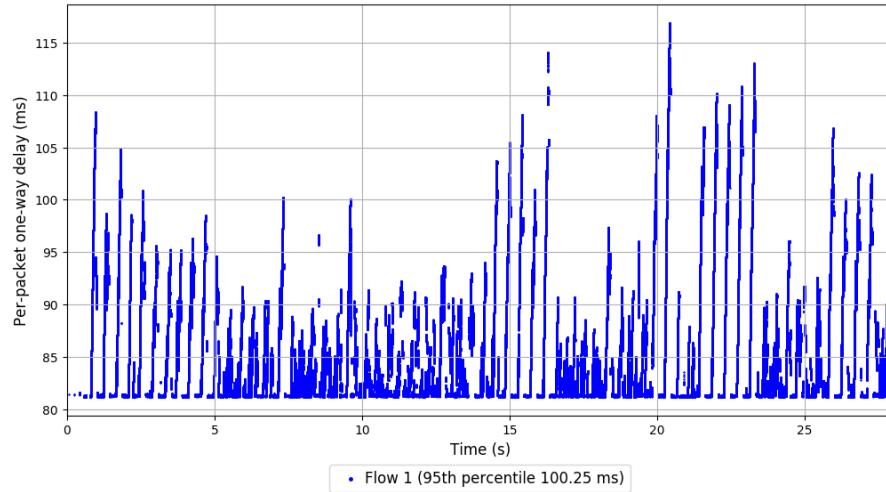
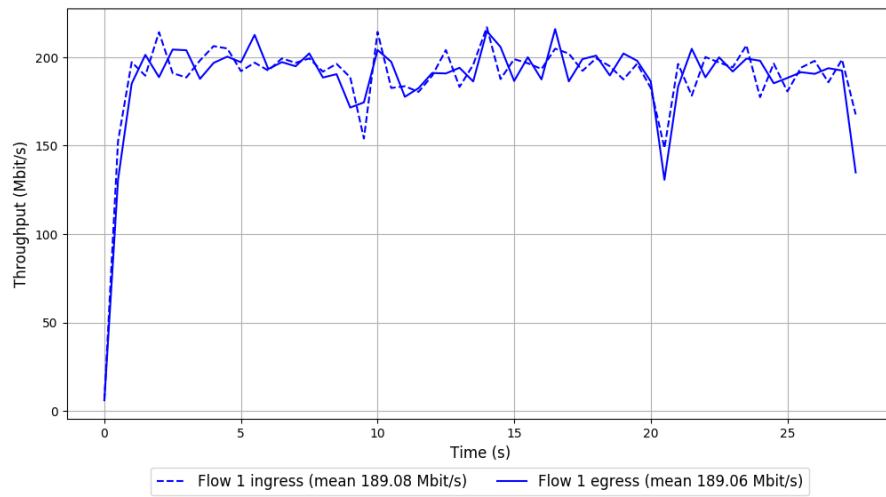


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-08-31 00:41:49
End at: 2017-08-31 00:42:19
Local clock offset: 0.416 ms
Remote clock offset: 0.567 ms

# Below is generated by plot.py at 2017-08-31 05:57:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.06 Mbit/s
95th percentile per-packet one-way delay: 100.248 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 189.06 Mbit/s
95th percentile per-packet one-way delay: 100.248 ms
Loss rate: 0.62%
```

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

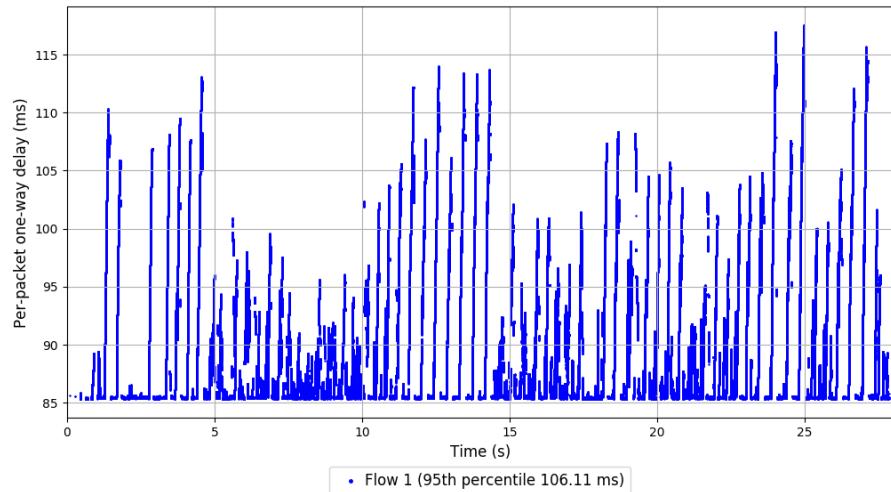
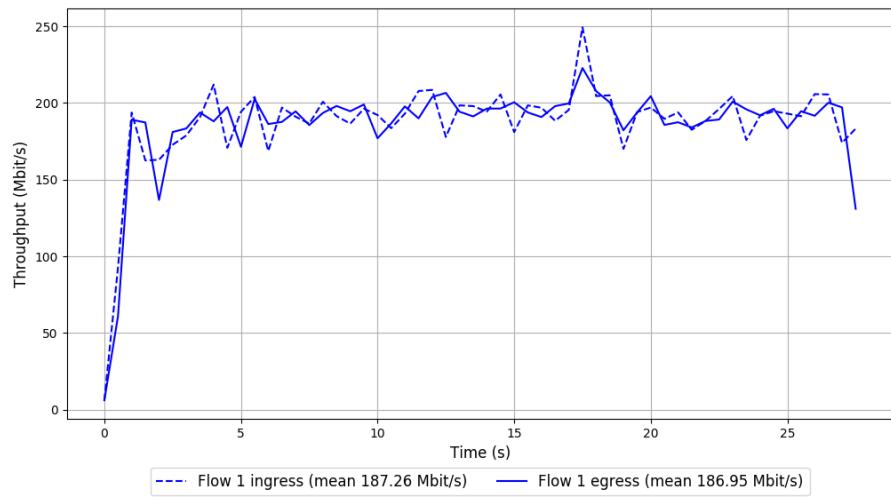


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-08-31 01:00:52
End at: 2017-08-31 01:01:22
Local clock offset: 0.322 ms
Remote clock offset: -3.7 ms

# Below is generated by plot.py at 2017-08-31 05:57:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.95 Mbit/s
95th percentile per-packet one-way delay: 106.112 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 186.95 Mbit/s
95th percentile per-packet one-way delay: 106.112 ms
Loss rate: 0.77%
```

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

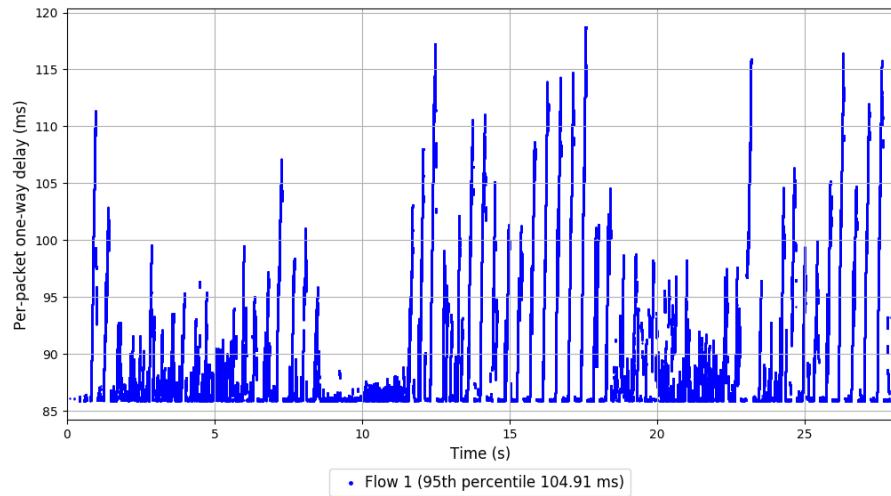
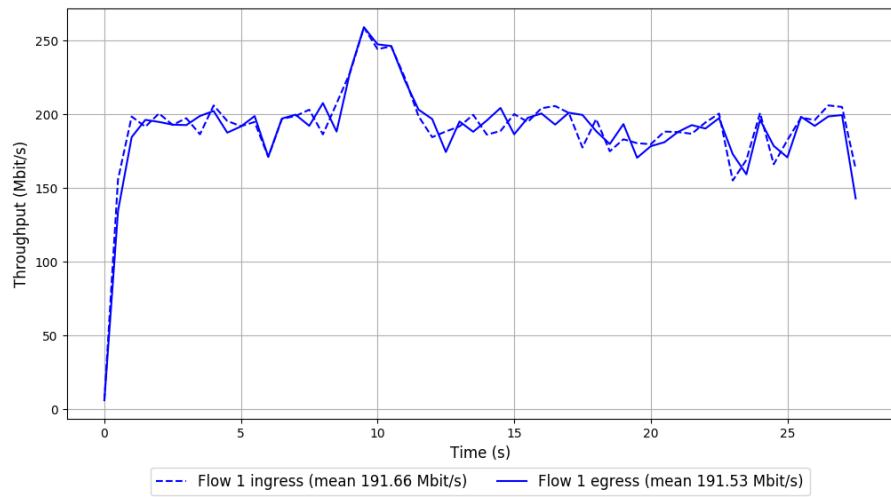


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-08-31 01:19:59
End at: 2017-08-31 01:20:29
Local clock offset: 0.383 ms
Remote clock offset: -4.593 ms

# Below is generated by plot.py at 2017-08-31 05:57:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.53 Mbit/s
95th percentile per-packet one-way delay: 104.911 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 191.53 Mbit/s
95th percentile per-packet one-way delay: 104.911 ms
Loss rate: 0.66%
```

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

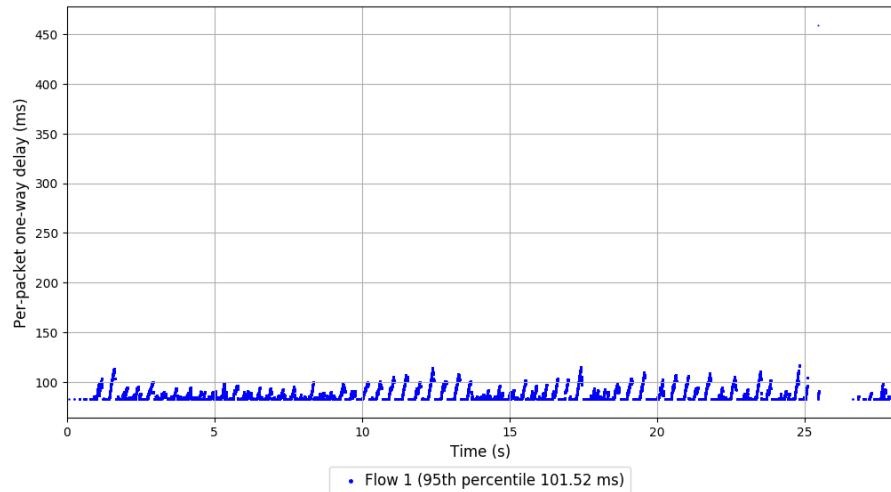
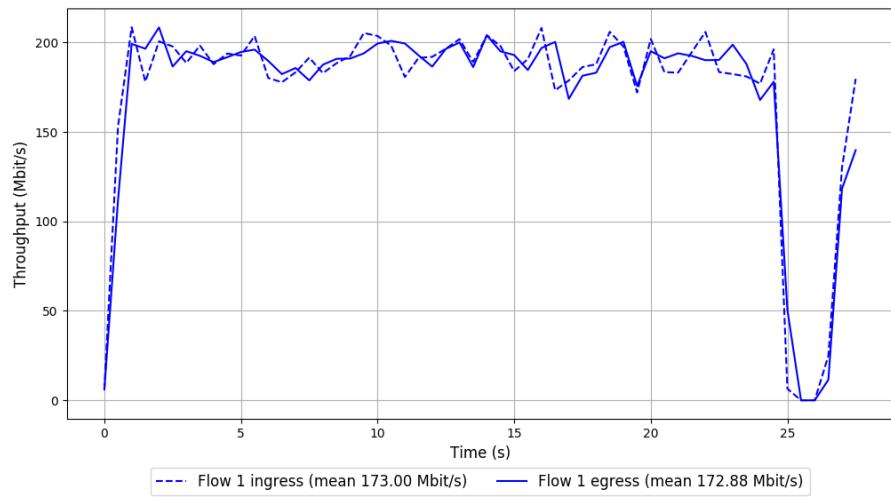


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-08-31 01:39:10
End at: 2017-08-31 01:39:40
Local clock offset: 0.275 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2017-08-31 05:58:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.88 Mbit/s
95th percentile per-packet one-way delay: 101.521 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 172.88 Mbit/s
95th percentile per-packet one-way delay: 101.521 ms
Loss rate: 0.67%
```

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

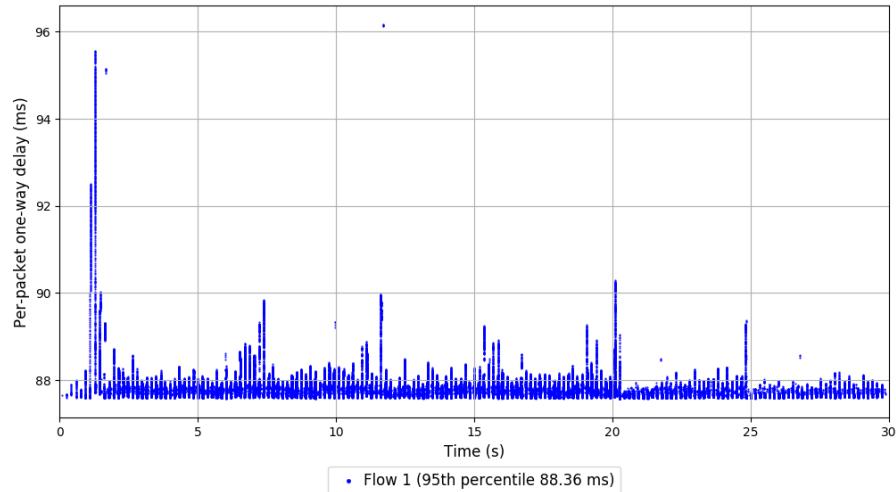
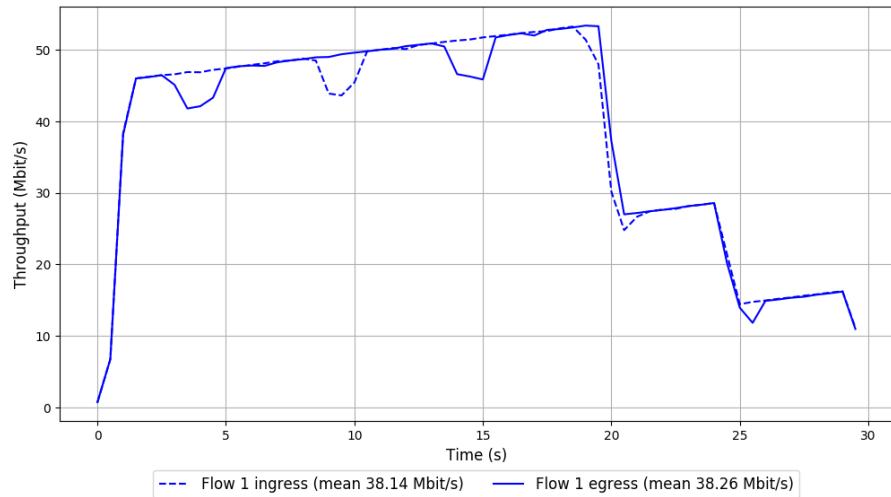


Run 1: Statistics of TCP Vegas

```
Start at: 2017-08-30 23:01:07
End at: 2017-08-30 23:01:37
Local clock offset: 0.26 ms
Remote clock offset: -5.28 ms

# Below is generated by plot.py at 2017-08-31 05:58:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 88.359 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 88.359 ms
Loss rate: 0.24%
```

Run 1: Report of TCP Vegas — Data Link

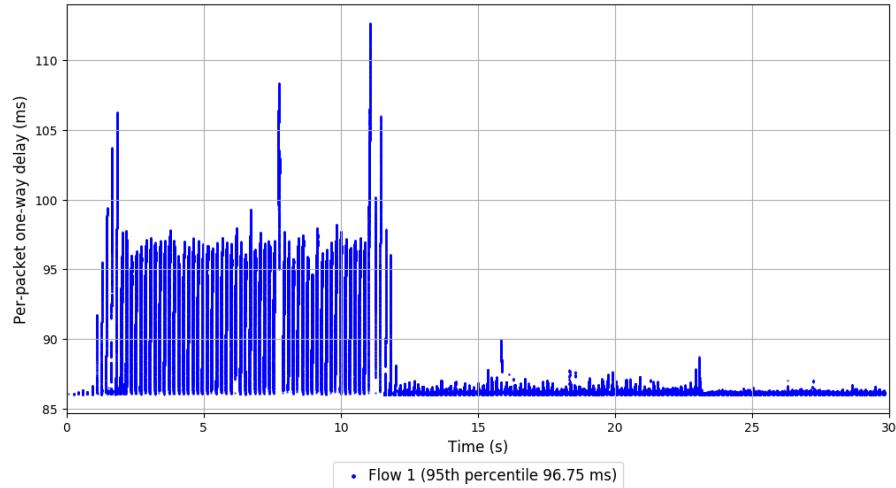
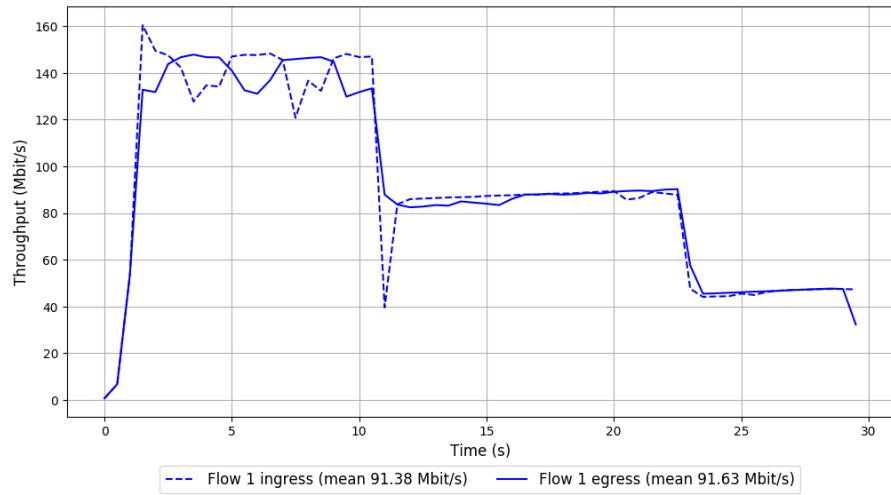


Run 2: Statistics of TCP Vegas

```
Start at: 2017-08-30 23:20:21
End at: 2017-08-30 23:20:51
Local clock offset: 0.382 ms
Remote clock offset: -4.877 ms

# Below is generated by plot.py at 2017-08-31 05:58:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 96.752 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 96.752 ms
Loss rate: 0.29%
```

Run 2: Report of TCP Vegas — Data Link

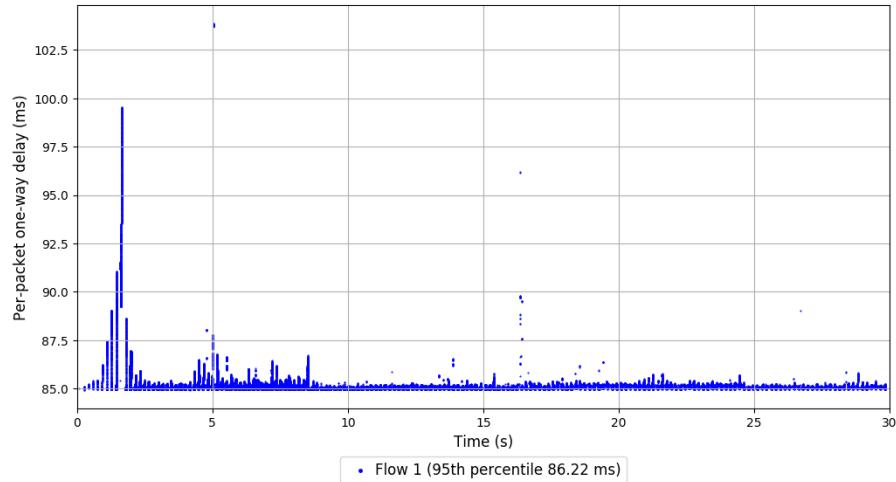
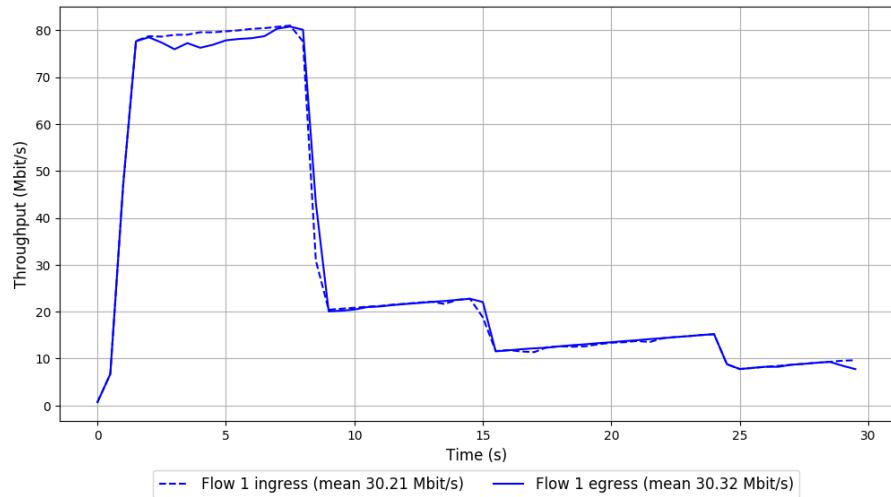


Run 3: Statistics of TCP Vegas

```
Start at: 2017-08-30 23:39:42
End at: 2017-08-30 23:40:12
Local clock offset: 0.407 ms
Remote clock offset: -3.645 ms

# Below is generated by plot.py at 2017-08-31 05:58:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 86.218 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 86.218 ms
Loss rate: 0.19%
```

Run 3: Report of TCP Vegas — Data Link

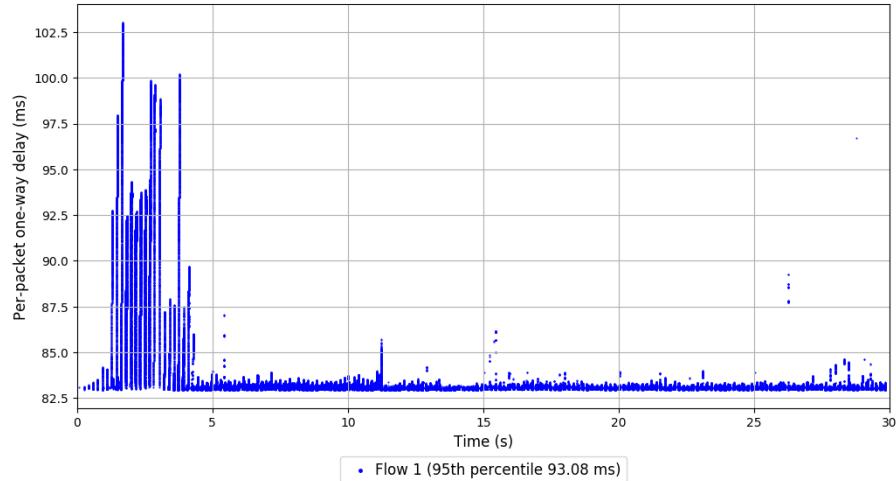
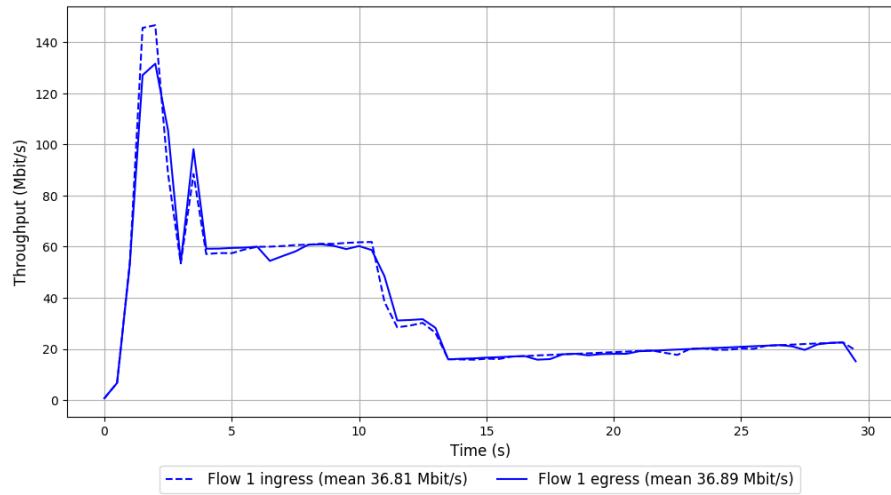


Run 4: Statistics of TCP Vegas

```
Start at: 2017-08-30 23:58:44
End at: 2017-08-30 23:59:14
Local clock offset: 0.604 ms
Remote clock offset: 0.559 ms

# Below is generated by plot.py at 2017-08-31 05:58:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 93.081 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 93.081 ms
Loss rate: 0.35%
```

Run 4: Report of TCP Vegas — Data Link

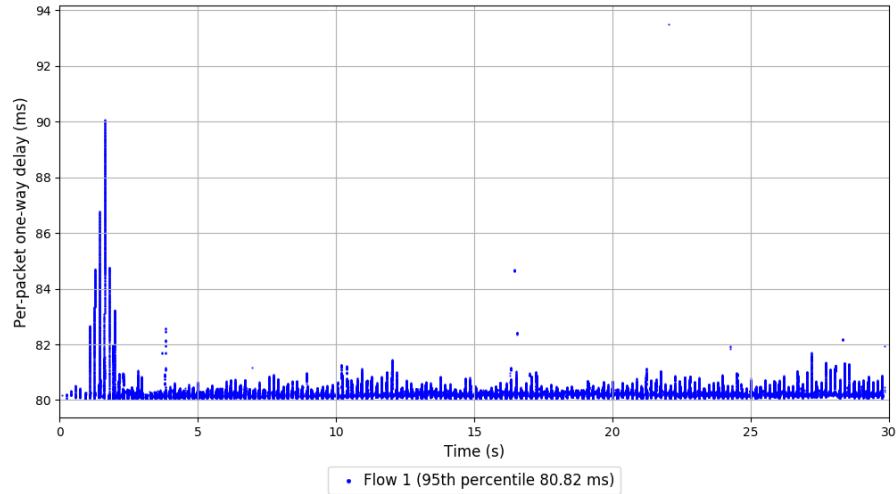
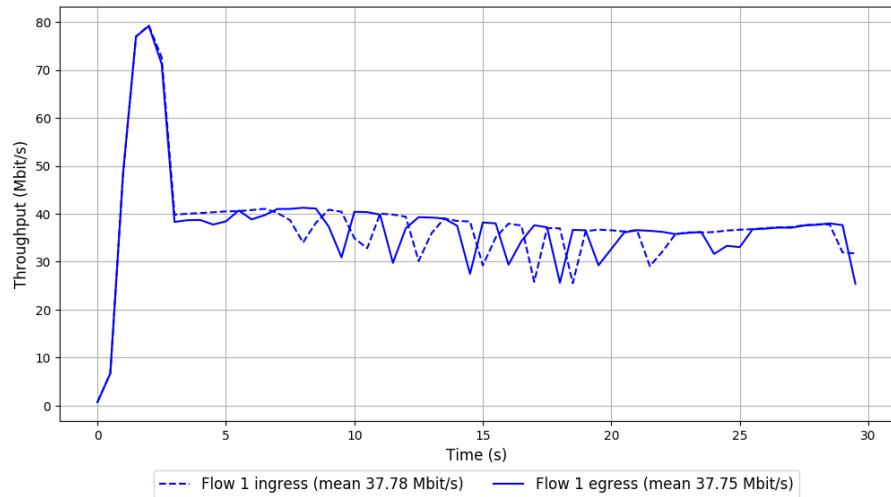


Run 5: Statistics of TCP Vegas

```
Start at: 2017-08-31 00:18:09
End at: 2017-08-31 00:18:39
Local clock offset: 0.418 ms
Remote clock offset: 1.488 ms

# Below is generated by plot.py at 2017-08-31 05:58:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 80.817 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 80.817 ms
Loss rate: 0.56%
```

Run 5: Report of TCP Vegas — Data Link

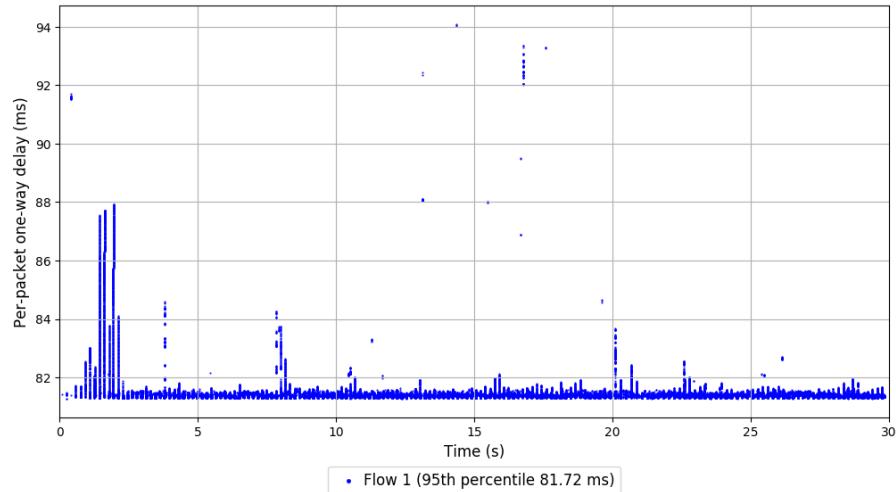
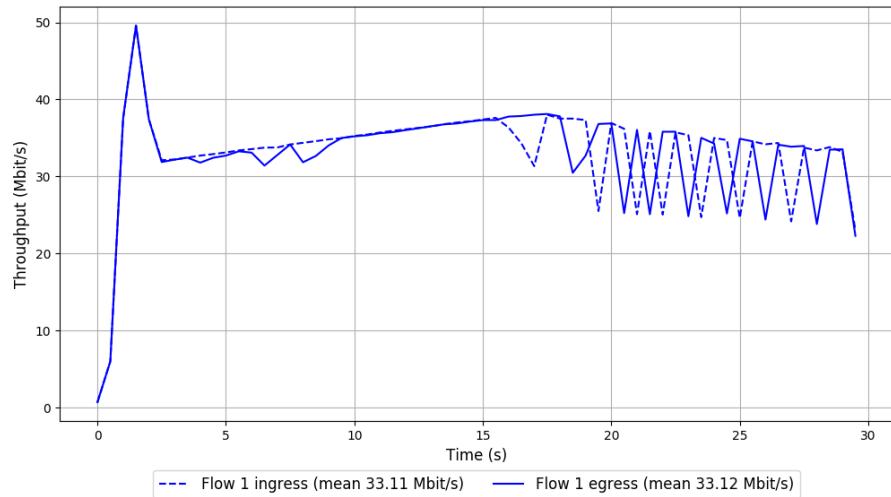


Run 6: Statistics of TCP Vegas

```
Start at: 2017-08-31 00:37:06
End at: 2017-08-31 00:37:36
Local clock offset: 0.472 ms
Remote clock offset: 0.569 ms

# Below is generated by plot.py at 2017-08-31 05:58:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 81.717 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 81.717 ms
Loss rate: 0.56%
```

Run 6: Report of TCP Vegas — Data Link

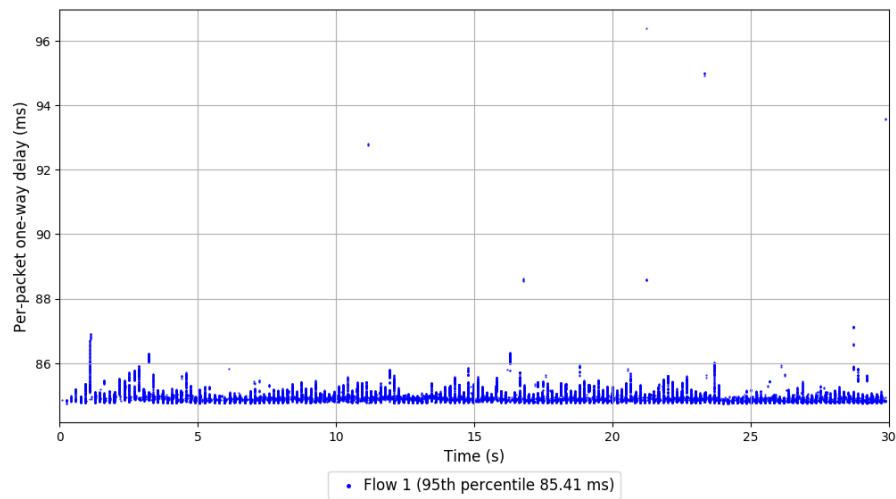
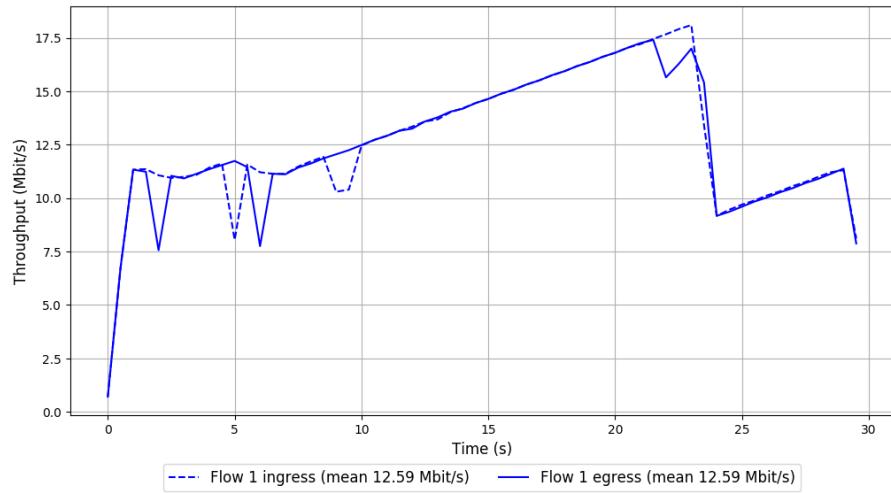


Run 7: Statistics of TCP Vegas

```
Start at: 2017-08-31 00:56:10
End at: 2017-08-31 00:56:40
Local clock offset: 0.41 ms
Remote clock offset: -3.406 ms

# Below is generated by plot.py at 2017-08-31 05:58:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 85.408 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 85.408 ms
Loss rate: 0.51%
```

Run 7: Report of TCP Vegas — Data Link

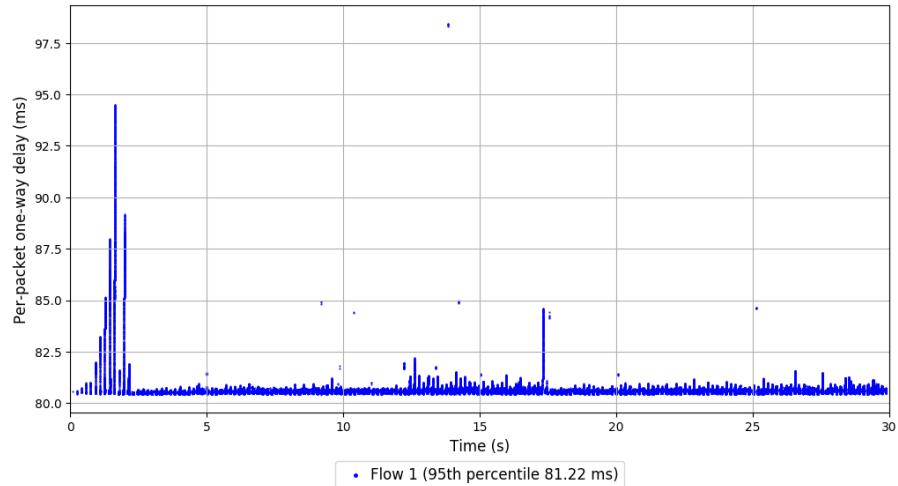
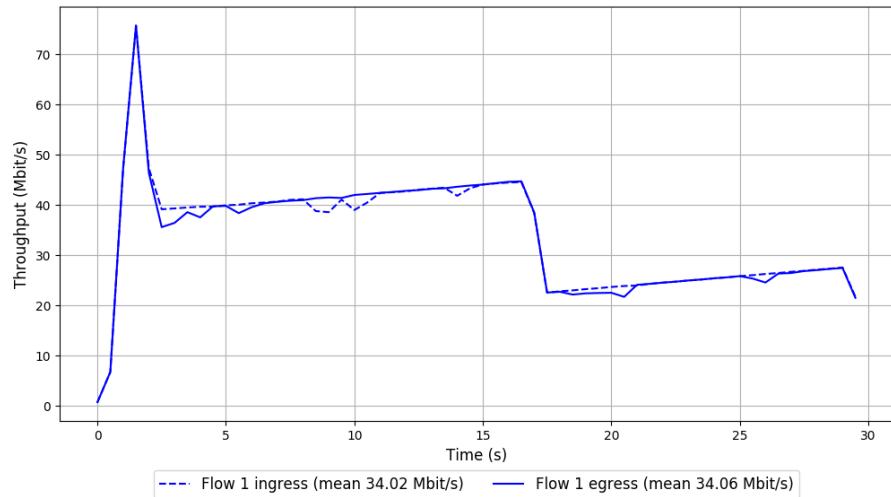


Run 8: Statistics of TCP Vegas

```
Start at: 2017-08-31 01:15:15
End at: 2017-08-31 01:15:45
Local clock offset: 0.351 ms
Remote clock offset: 1.139 ms

# Below is generated by plot.py at 2017-08-31 05:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 81.218 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 81.218 ms
Loss rate: 0.46%
```

Run 8: Report of TCP Vegas — Data Link

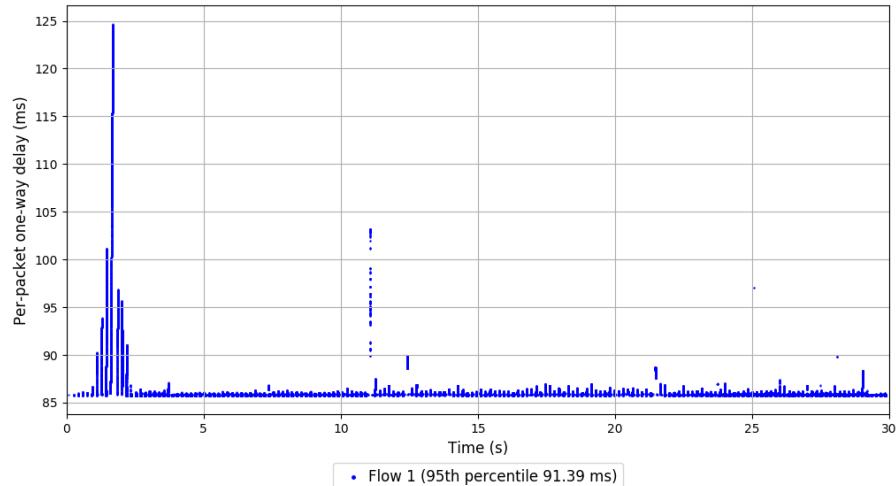
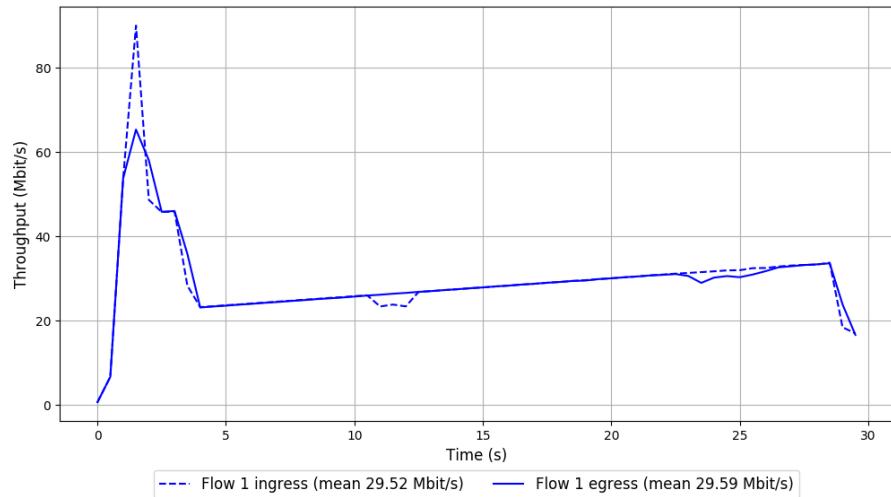


Run 9: Statistics of TCP Vegas

```
Start at: 2017-08-31 01:34:27
End at: 2017-08-31 01:34:57
Local clock offset: 0.383 ms
Remote clock offset: -4.745 ms

# Below is generated by plot.py at 2017-08-31 05:58:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 91.388 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 91.388 ms
Loss rate: 0.33%
```

Run 9: Report of TCP Vegas — Data Link

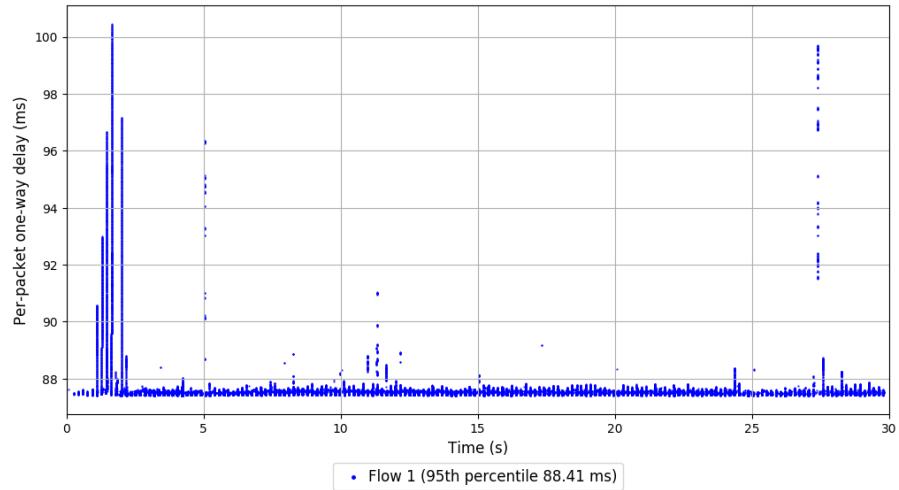
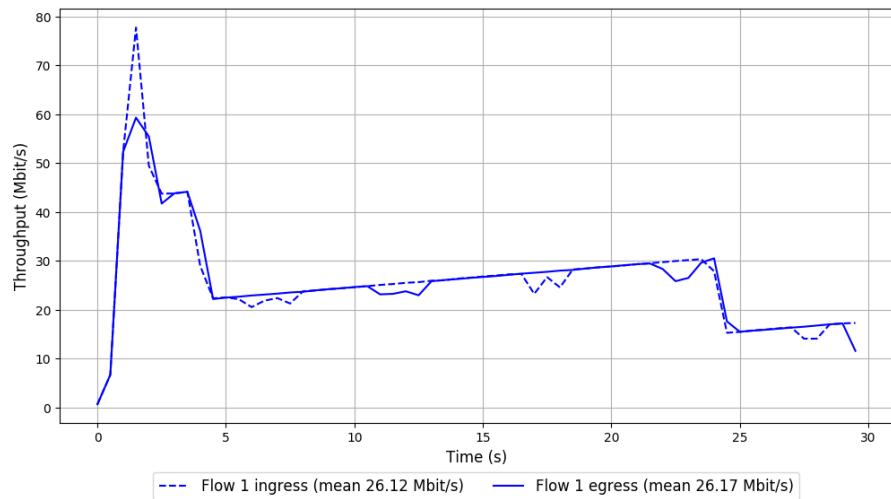


Run 10: Statistics of TCP Vegas

```
Start at: 2017-08-31 01:53:53
End at: 2017-08-31 01:54:23
Local clock offset: 0.241 ms
Remote clock offset: -5.072 ms

# Below is generated by plot.py at 2017-08-31 05:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 88.405 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 88.405 ms
Loss rate: 0.38%
```

Run 10: Report of TCP Vegas — Data Link

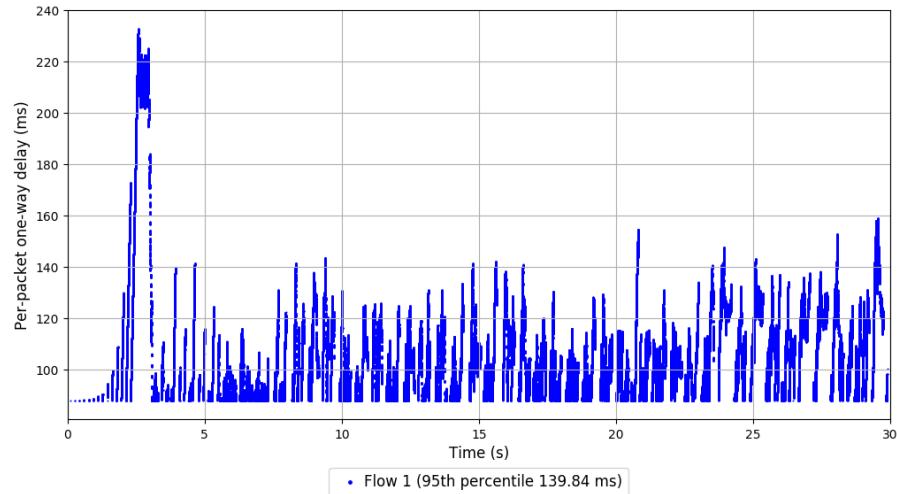
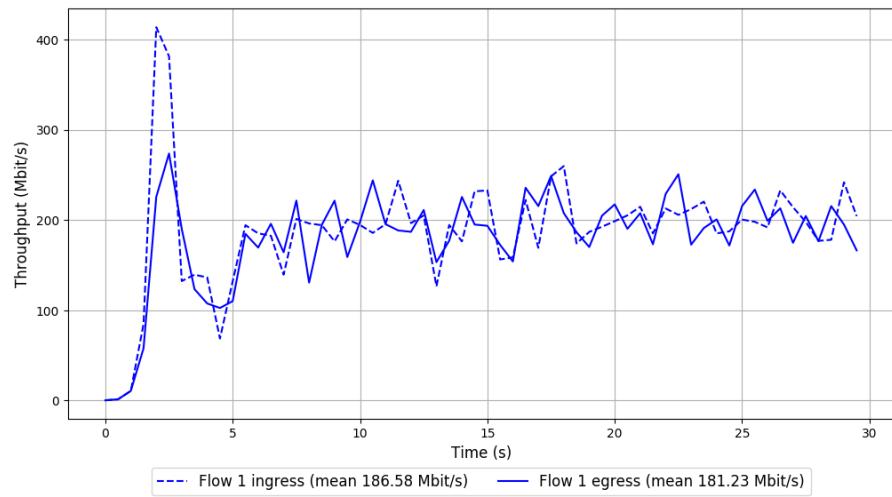


Run 1: Statistics of Verus

```
Start at: 2017-08-30 22:52:05
End at: 2017-08-30 22:52:35
Local clock offset: 0.184 ms
Remote clock offset: -5.344 ms

# Below is generated by plot.py at 2017-08-31 05:58:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.23 Mbit/s
95th percentile per-packet one-way delay: 139.837 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 181.23 Mbit/s
95th percentile per-packet one-way delay: 139.837 ms
Loss rate: 3.39%
```

Run 1: Report of Verus — Data Link

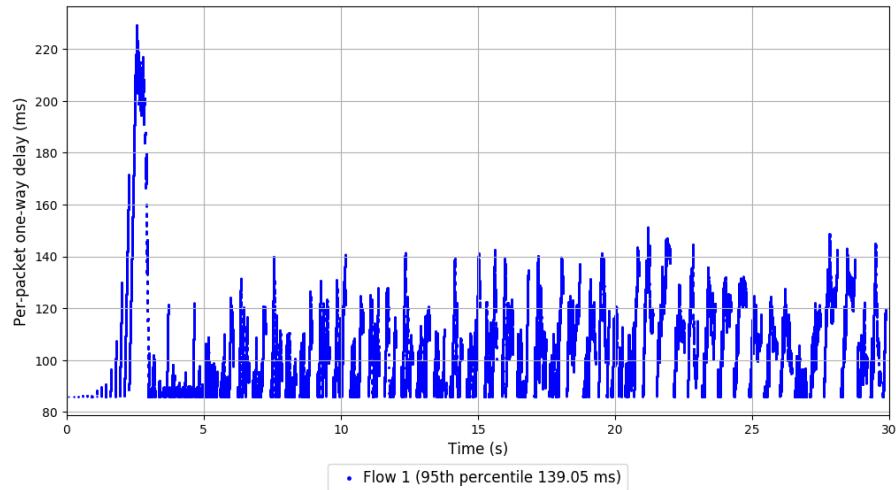
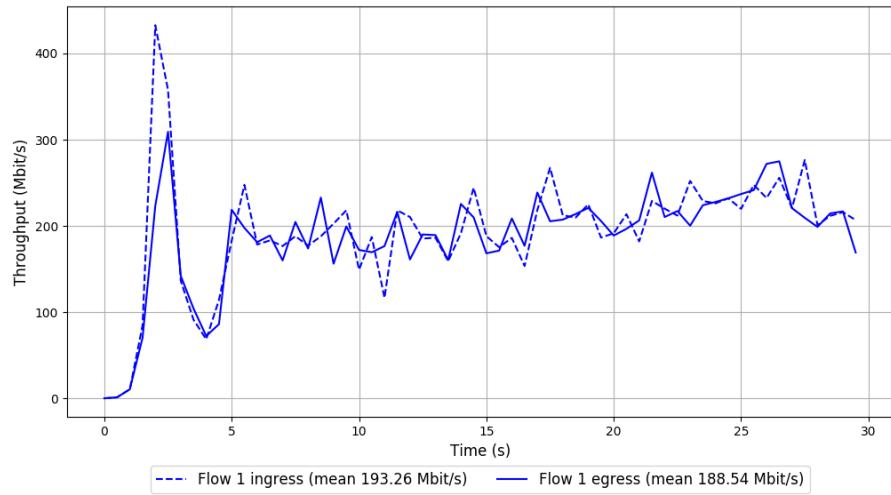


Run 2: Statistics of Verus

```
Start at: 2017-08-30 23:11:14
End at: 2017-08-30 23:11:44
Local clock offset: 0.287 ms
Remote clock offset: -5.014 ms

# Below is generated by plot.py at 2017-08-31 05:58:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.54 Mbit/s
95th percentile per-packet one-way delay: 139.054 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 188.54 Mbit/s
95th percentile per-packet one-way delay: 139.054 ms
Loss rate: 2.98%
```

Run 2: Report of Verus — Data Link

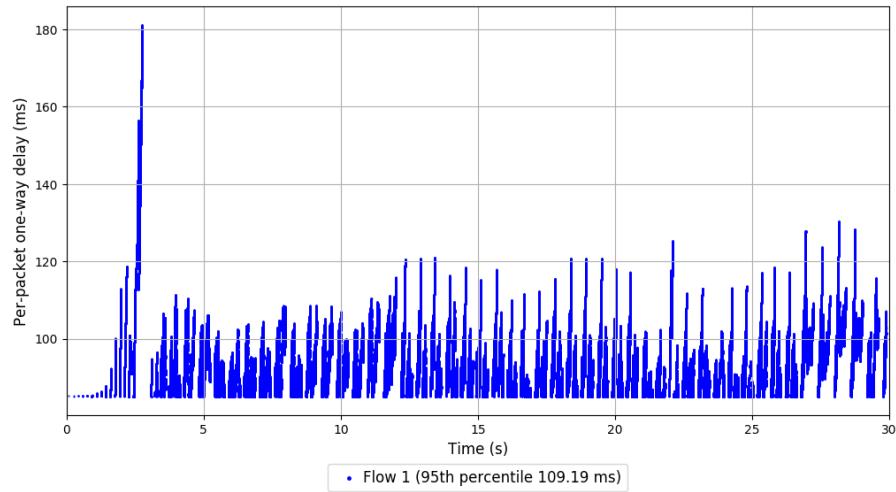
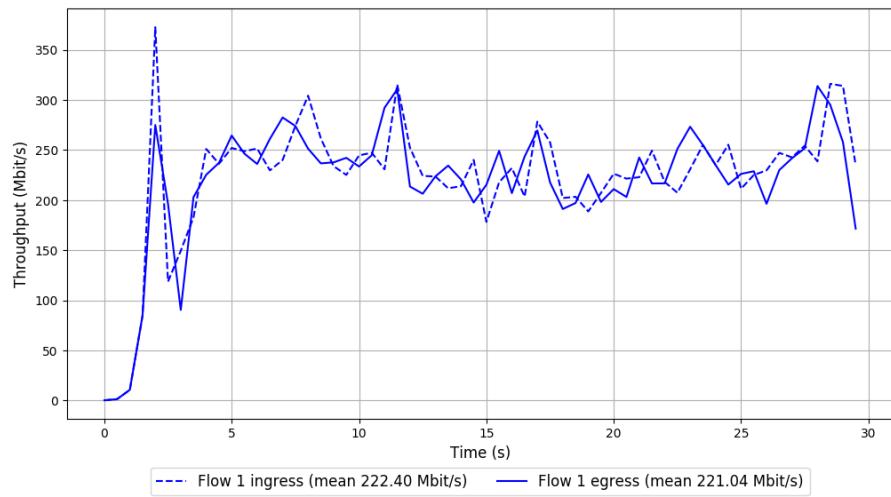


Run 3: Statistics of Verus

```
Start at: 2017-08-30 23:30:30
End at: 2017-08-30 23:31:00
Local clock offset: 0.456 ms
Remote clock offset: -3.558 ms

# Below is generated by plot.py at 2017-08-31 05:59:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.04 Mbit/s
95th percentile per-packet one-way delay: 109.185 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 221.04 Mbit/s
95th percentile per-packet one-way delay: 109.185 ms
Loss rate: 1.17%
```

Run 3: Report of Verus — Data Link

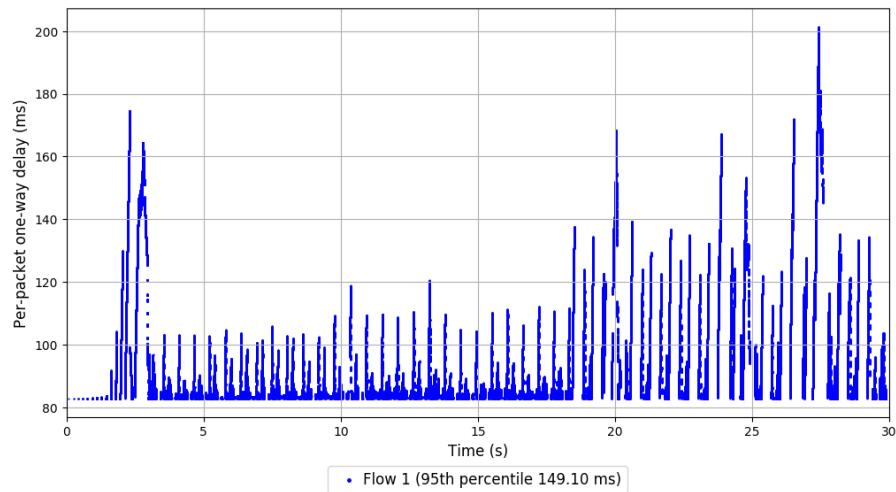
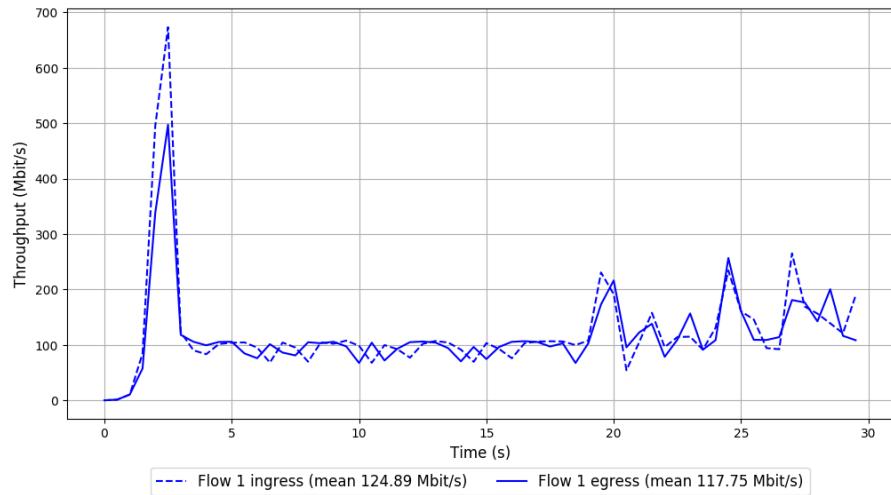


Run 4: Statistics of Verus

```
Start at: 2017-08-30 23:49:52
End at: 2017-08-30 23:50:22
Local clock offset: 0.418 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2017-08-31 05:59:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.75 Mbit/s
95th percentile per-packet one-way delay: 149.103 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 117.75 Mbit/s
95th percentile per-packet one-way delay: 149.103 ms
Loss rate: 6.25%
```

Run 4: Report of Verus — Data Link

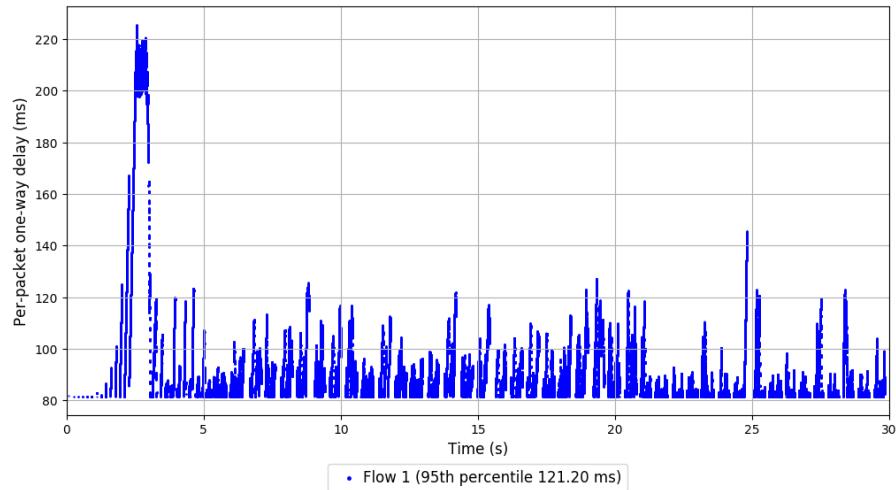
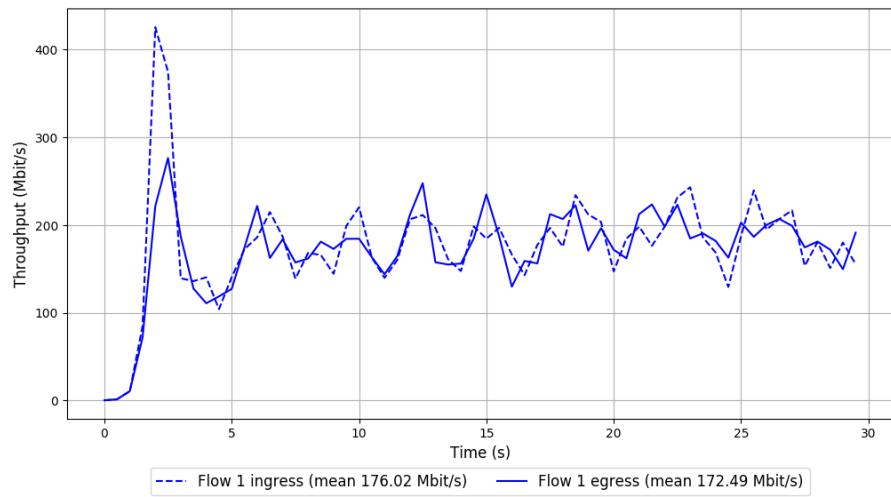


Run 5: Statistics of Verus

```
Start at: 2017-08-31 00:08:56
End at: 2017-08-31 00:09:26
Local clock offset: 0.544 ms
Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2017-08-31 05:59:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.49 Mbit/s
95th percentile per-packet one-way delay: 121.205 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 172.49 Mbit/s
95th percentile per-packet one-way delay: 121.205 ms
Loss rate: 2.69%
```

Run 5: Report of Verus — Data Link

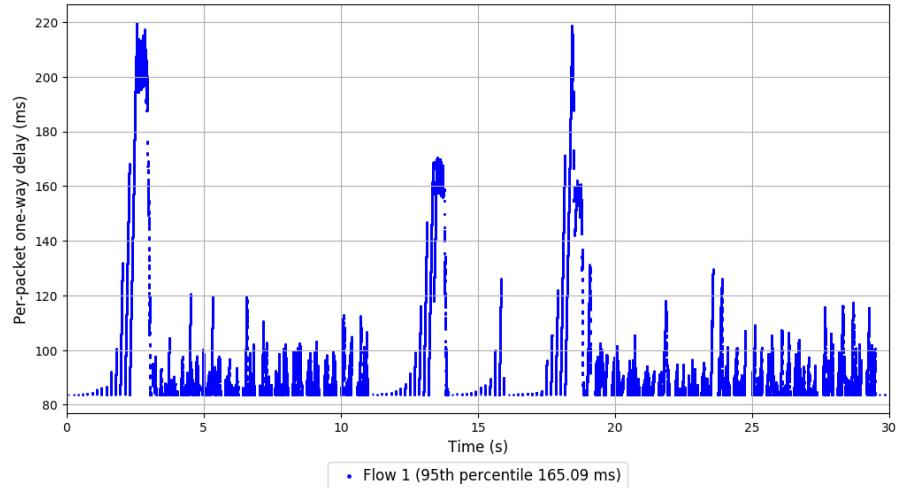
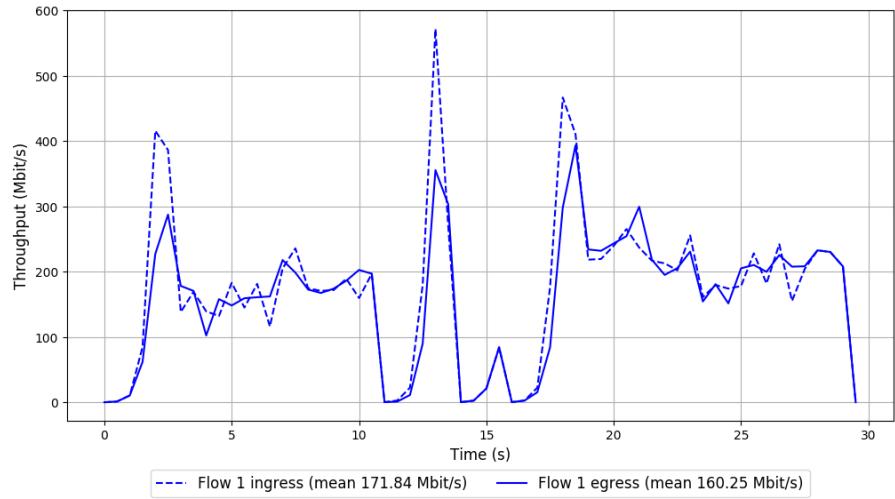


Run 6: Statistics of Verus

```
Start at: 2017-08-31 00:28:13
End at: 2017-08-31 00:28:44
Local clock offset: 0.441 ms
Remote clock offset: -0.266 ms

# Below is generated by plot.py at 2017-08-31 05:59:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.25 Mbit/s
95th percentile per-packet one-way delay: 165.089 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 160.25 Mbit/s
95th percentile per-packet one-way delay: 165.089 ms
Loss rate: 7.27%
```

Run 6: Report of Verus — Data Link

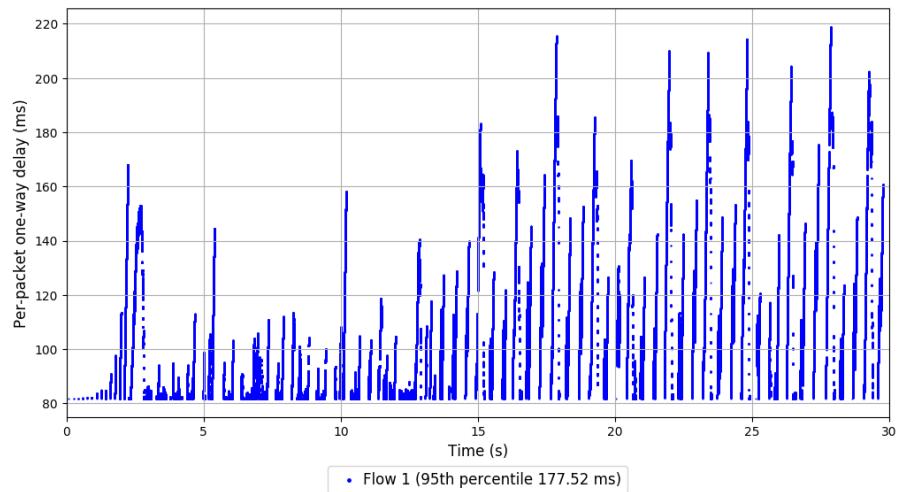
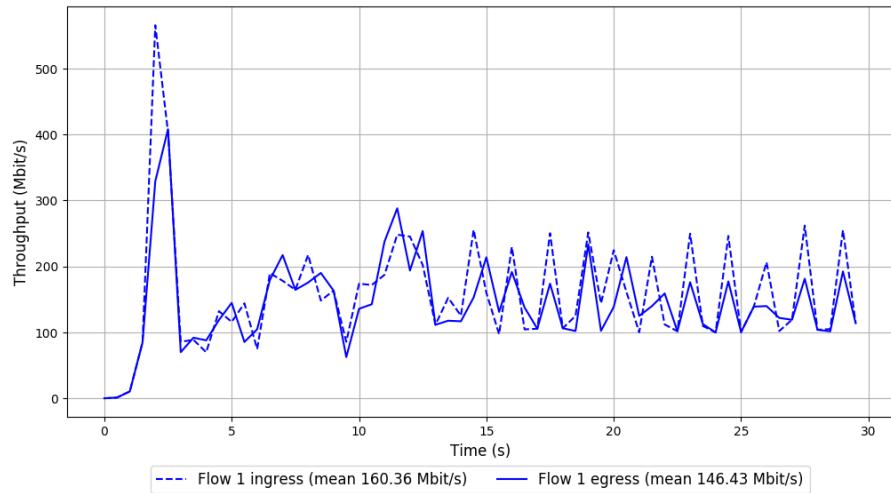


Run 7: Statistics of Verus

```
Start at: 2017-08-31 00:47:11
End at: 2017-08-31 00:47:41
Local clock offset: 0.519 ms
Remote clock offset: -0.266 ms

# Below is generated by plot.py at 2017-08-31 05:59:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.43 Mbit/s
95th percentile per-packet one-way delay: 177.519 ms
Loss rate: 8.44%
-- Flow 1:
Average throughput: 146.43 Mbit/s
95th percentile per-packet one-way delay: 177.519 ms
Loss rate: 8.44%
```

Run 7: Report of Verus — Data Link

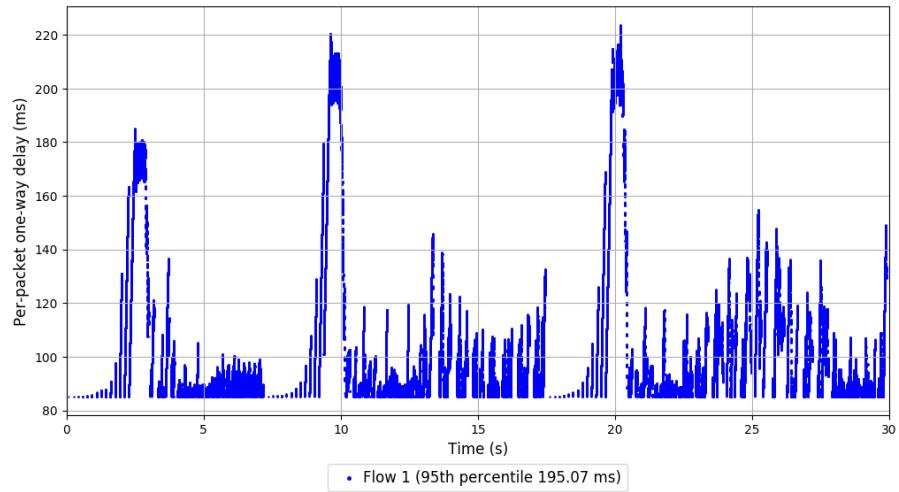
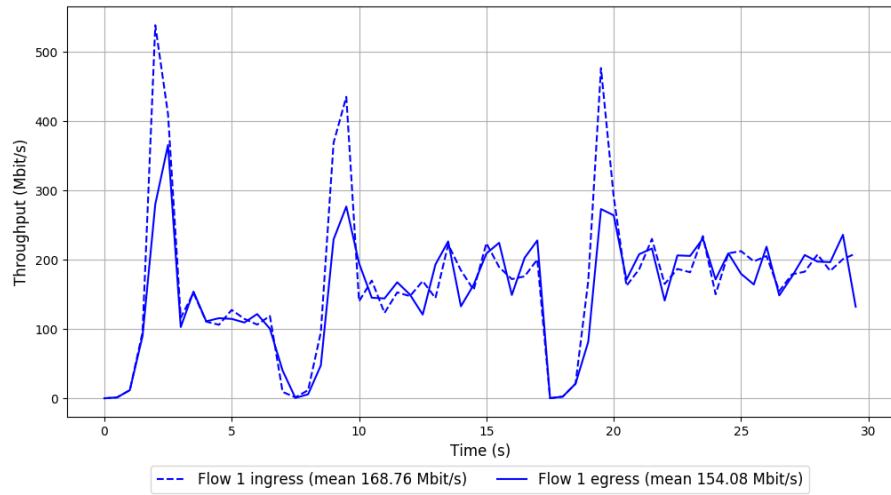


Run 8: Statistics of Verus

```
Start at: 2017-08-31 01:06:17
End at: 2017-08-31 01:06:48
Local clock offset: 0.281 ms
Remote clock offset: -3.674 ms

# Below is generated by plot.py at 2017-08-31 05:59:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 154.08 Mbit/s
95th percentile per-packet one-way delay: 195.066 ms
Loss rate: 9.04%
-- Flow 1:
Average throughput: 154.08 Mbit/s
95th percentile per-packet one-way delay: 195.066 ms
Loss rate: 9.04%
```

Run 8: Report of Verus — Data Link

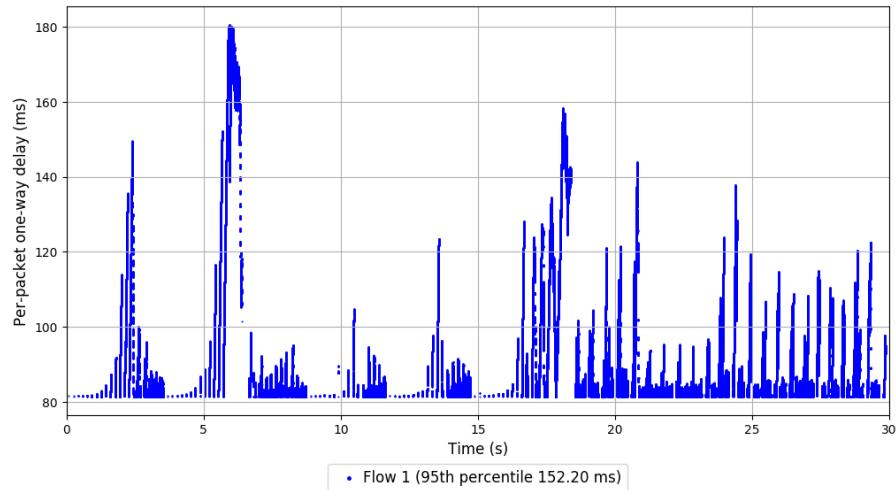
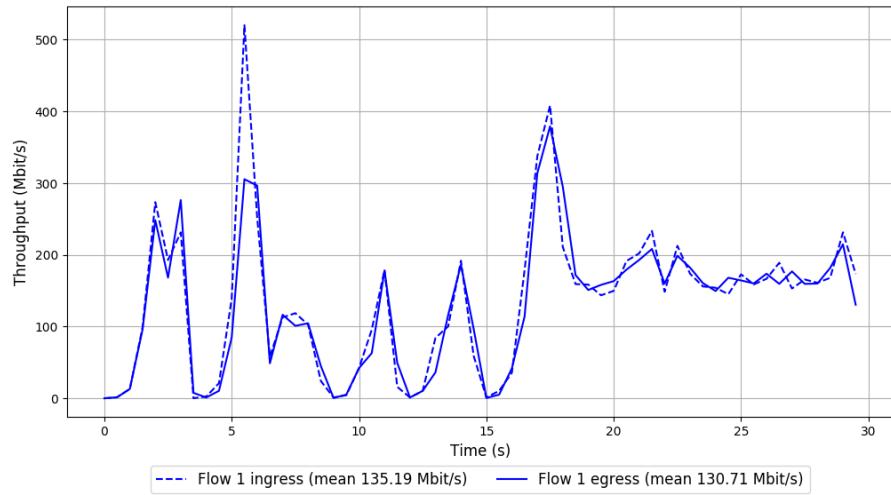


Run 9: Statistics of Verus

```
Start at: 2017-08-31 01:25:22
End at: 2017-08-31 01:25:52
Local clock offset: 0.412 ms
Remote clock offset: 0.135 ms

# Below is generated by plot.py at 2017-08-31 06:00:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.71 Mbit/s
95th percentile per-packet one-way delay: 152.199 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 130.71 Mbit/s
95th percentile per-packet one-way delay: 152.199 ms
Loss rate: 3.85%
```

Run 9: Report of Verus — Data Link

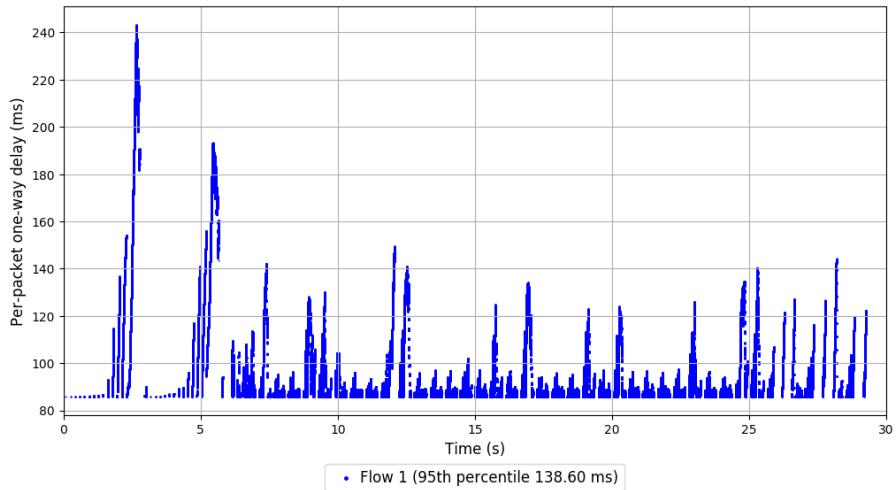
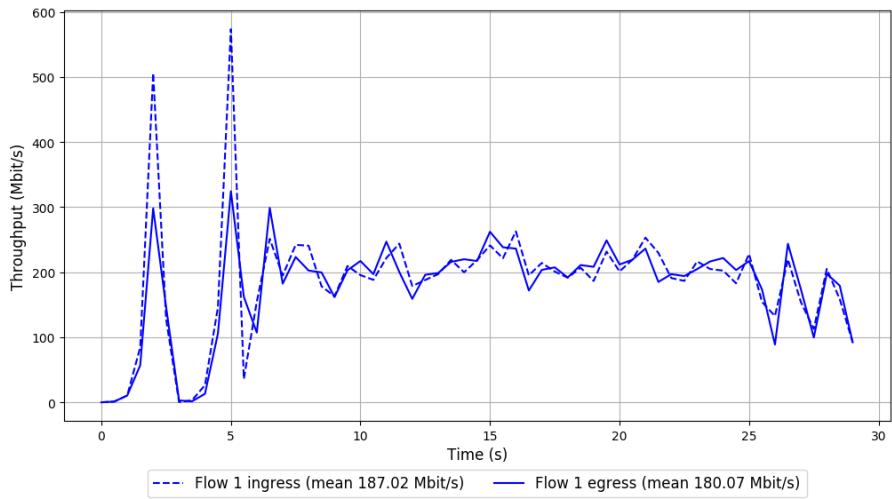


Run 10: Statistics of Verus

```
Start at: 2017-08-31 01:44:29
End at: 2017-08-31 01:44:59
Local clock offset: 0.382 ms
Remote clock offset: -4.857 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.07 Mbit/s
95th percentile per-packet one-way delay: 138.604 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 180.07 Mbit/s
95th percentile per-packet one-way delay: 138.604 ms
Loss rate: 3.60%
```

Run 10: Report of Verus — Data Link

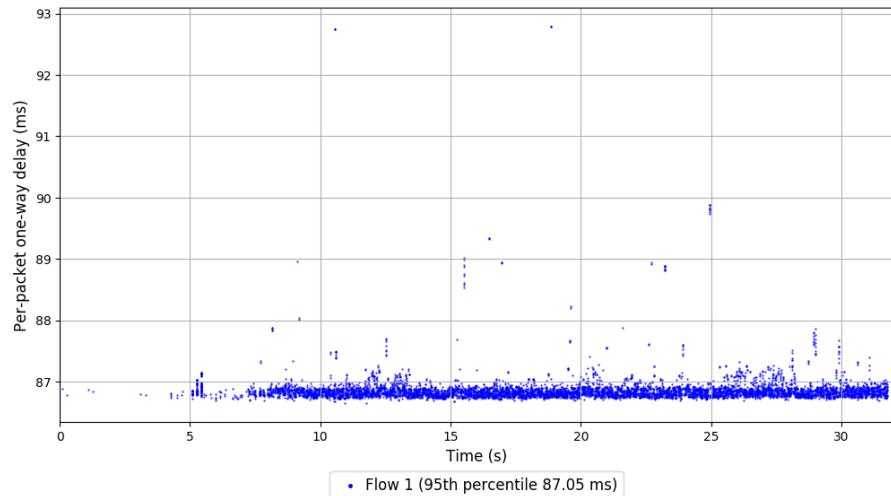
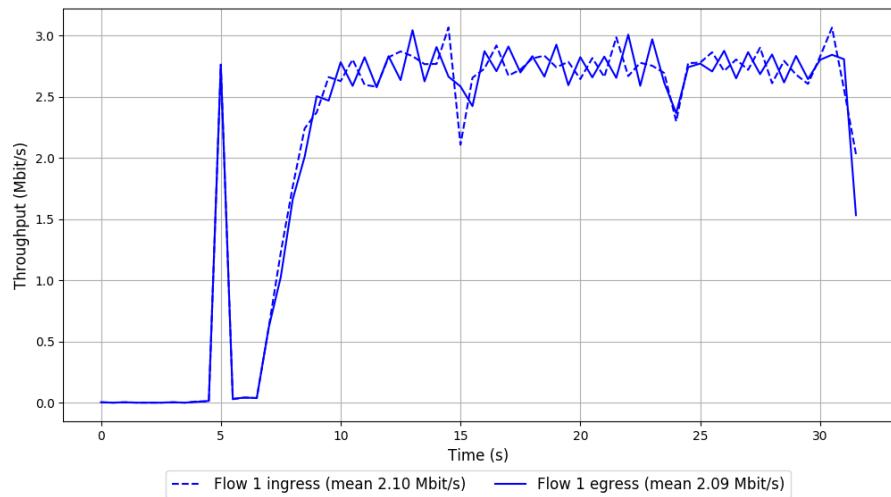


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2017-08-30 22:48:13
End at: 2017-08-30 22:48:43
Local clock offset: 0.245 ms
Remote clock offset: -4.446 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 87.048 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 87.048 ms
Loss rate: 0.69%
```

Run 1: Report of WebRTC media — Data Link

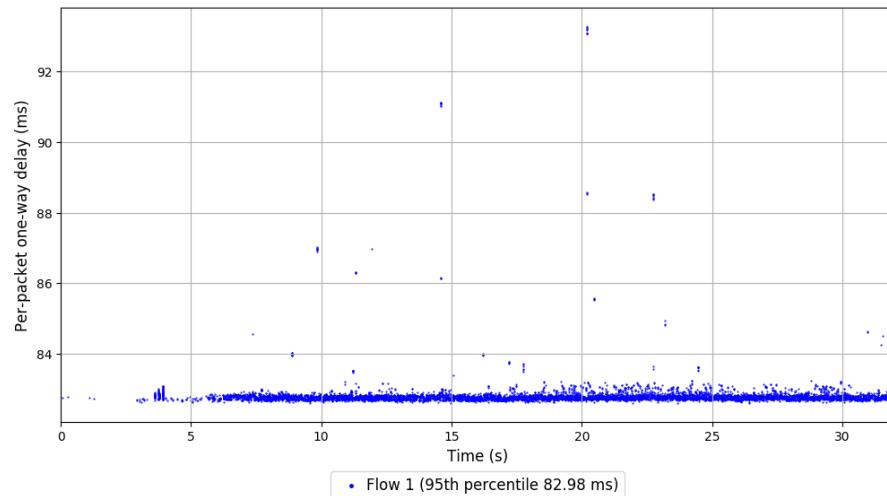
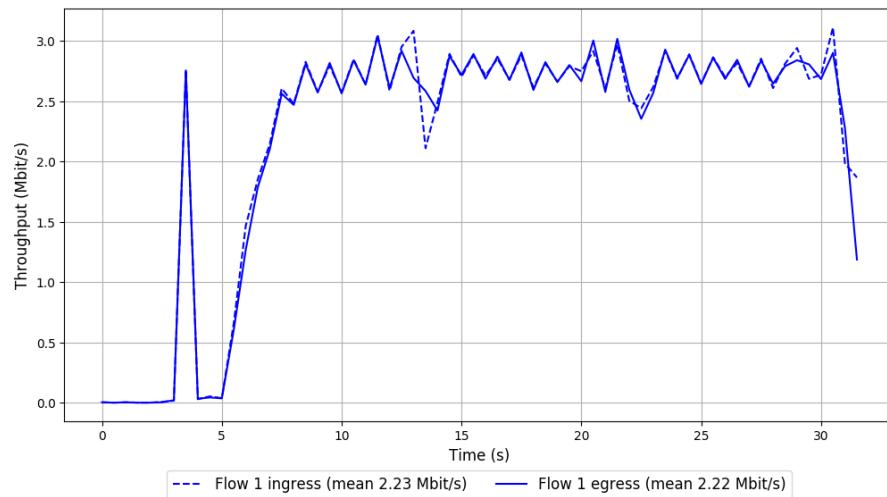


Run 2: Statistics of WebRTC media

```
Start at: 2017-08-30 23:07:19
End at: 2017-08-30 23:07:50
Local clock offset: 0.299 ms
Remote clock offset: -0.311 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 82.976 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 82.976 ms
Loss rate: 0.75%
```

Run 2: Report of WebRTC media — Data Link

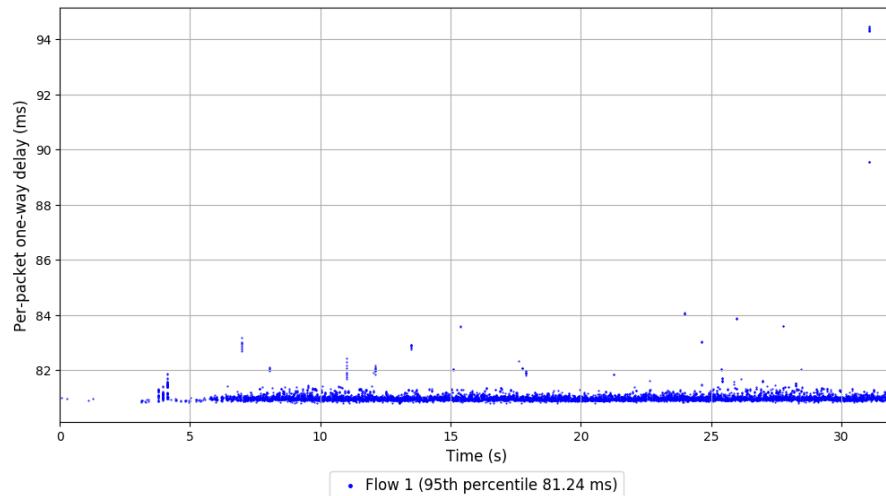
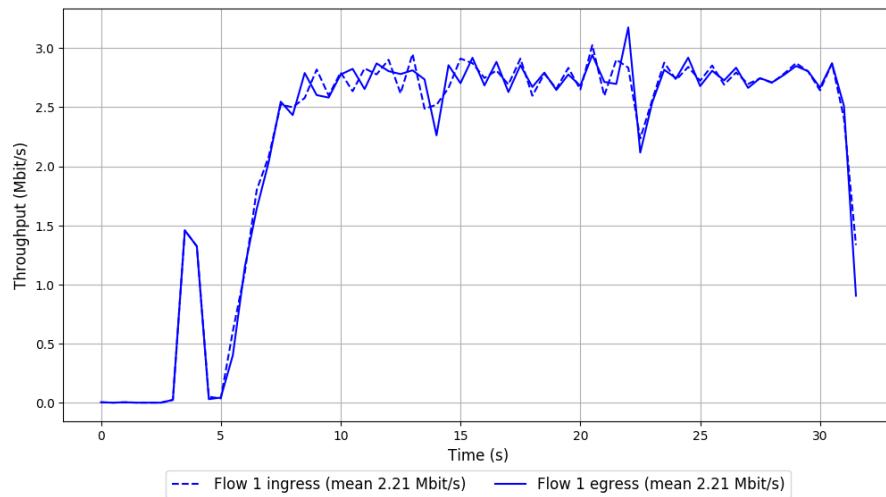


Run 3: Statistics of WebRTC media

```
Start at: 2017-08-30 23:26:37
End at: 2017-08-30 23:27:07
Local clock offset: 0.336 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 81.243 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 81.243 ms
Loss rate: 0.55%
```

Run 3: Report of WebRTC media — Data Link

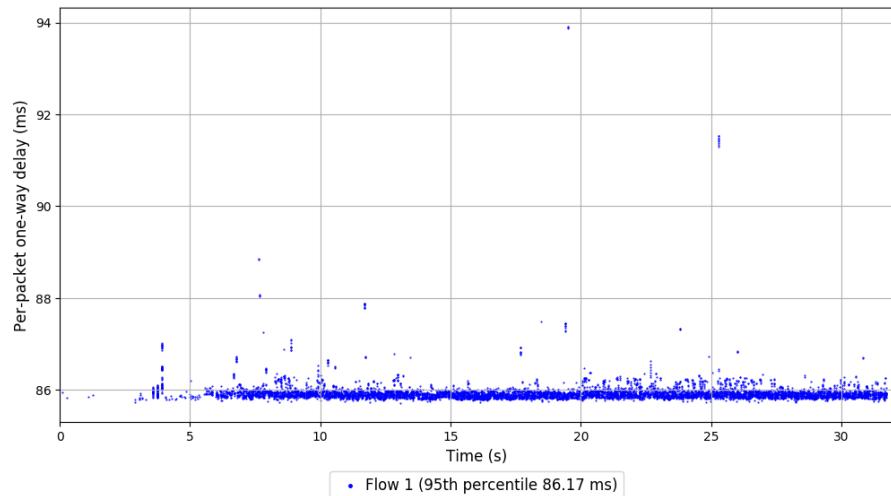
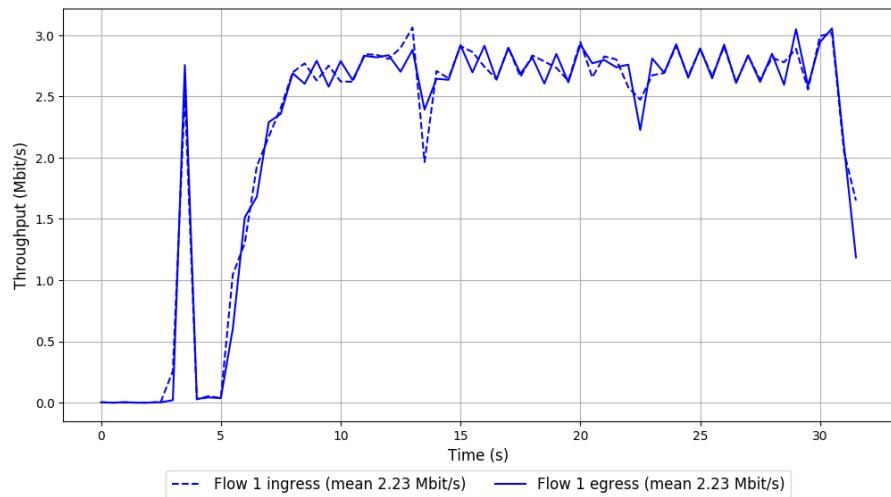


Run 4: Statistics of WebRTC media

```
Start at: 2017-08-30 23:45:56
End at: 2017-08-30 23:46:26
Local clock offset: 0.325 ms
Remote clock offset: -4.592 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 86.165 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 86.165 ms
Loss rate: 0.60%
```

Run 4: Report of WebRTC media — Data Link

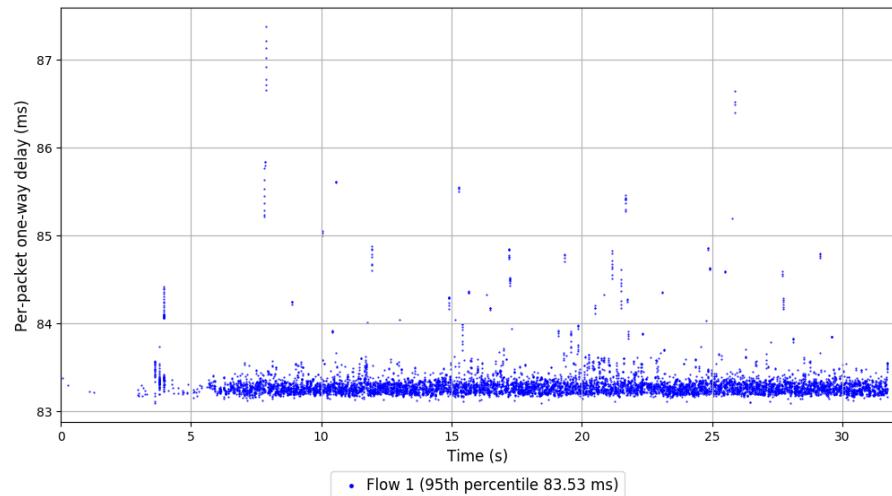
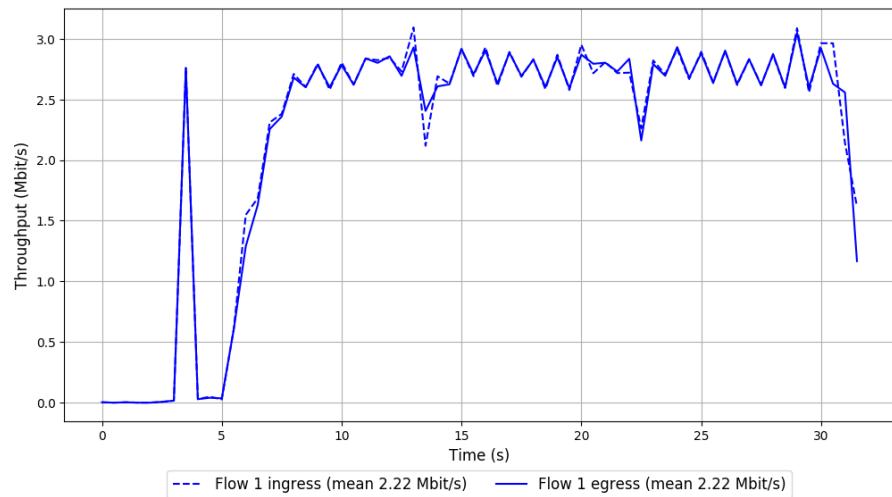


Run 5: Statistics of WebRTC media

```
Start at: 2017-08-31 00:05:00
End at: 2017-08-31 00:05:30
Local clock offset: 0.627 ms
Remote clock offset: 0.401 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 83.526 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 83.526 ms
Loss rate: 0.59%
```

Run 5: Report of WebRTC media — Data Link

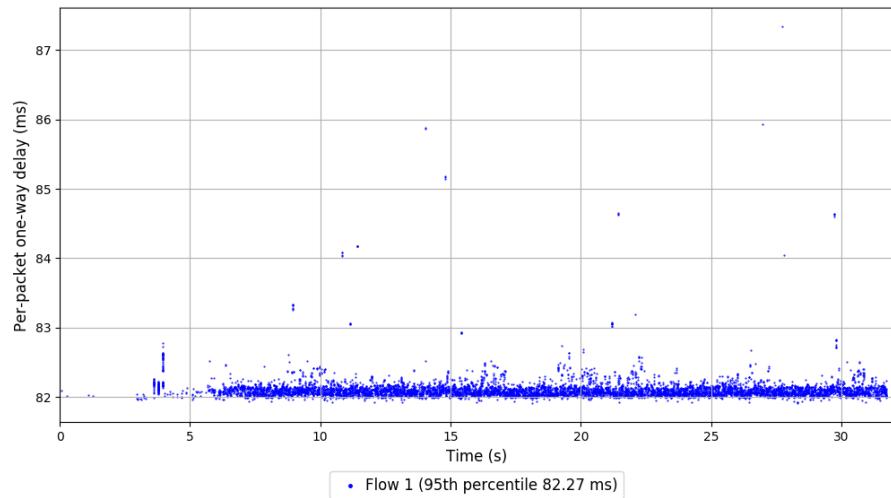
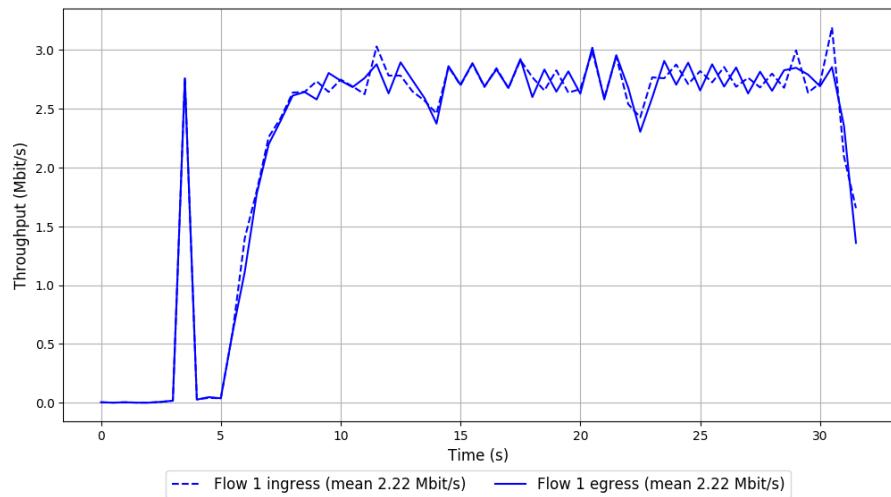


Run 6: Statistics of WebRTC media

```
Start at: 2017-08-31 00:24:21
End at: 2017-08-31 00:24:51
Local clock offset: 0.488 ms
Remote clock offset: 1.461 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 82.268 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 82.268 ms
Loss rate: 0.59%
```

Run 6: Report of WebRTC media — Data Link

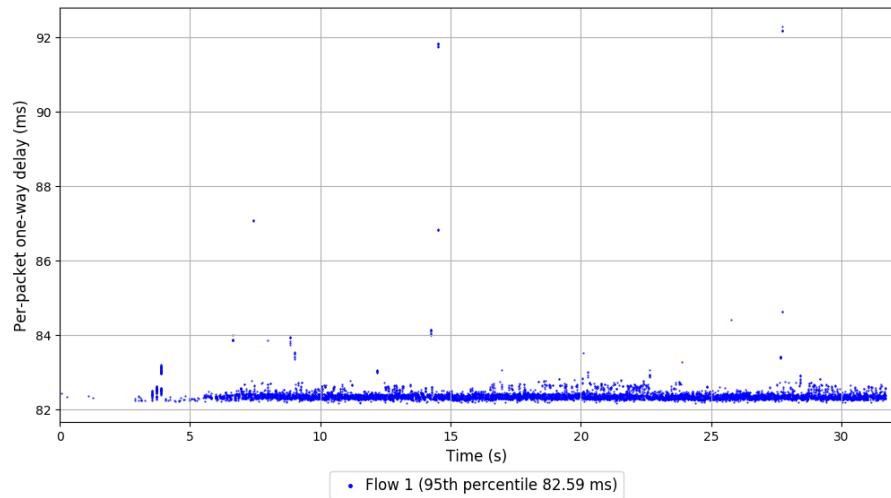
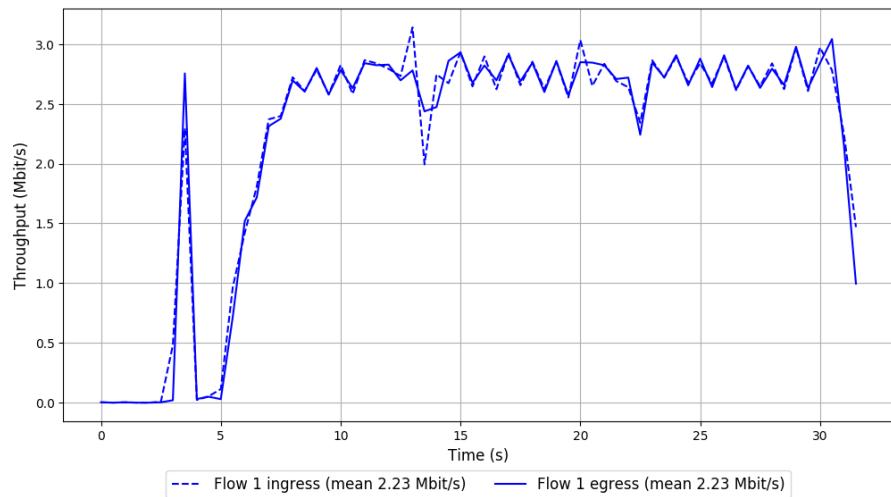


Run 7: Statistics of WebRTC media

```
Start at: 2017-08-31 00:43:17
End at: 2017-08-31 00:43:47
Local clock offset: 0.446 ms
Remote clock offset: -0.441 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 82.591 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 82.591 ms
Loss rate: 0.61%
```

Run 7: Report of WebRTC media — Data Link

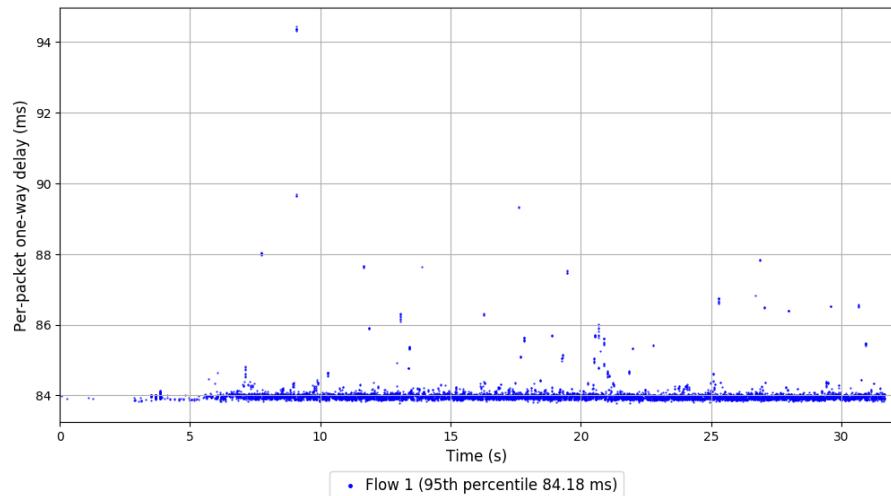
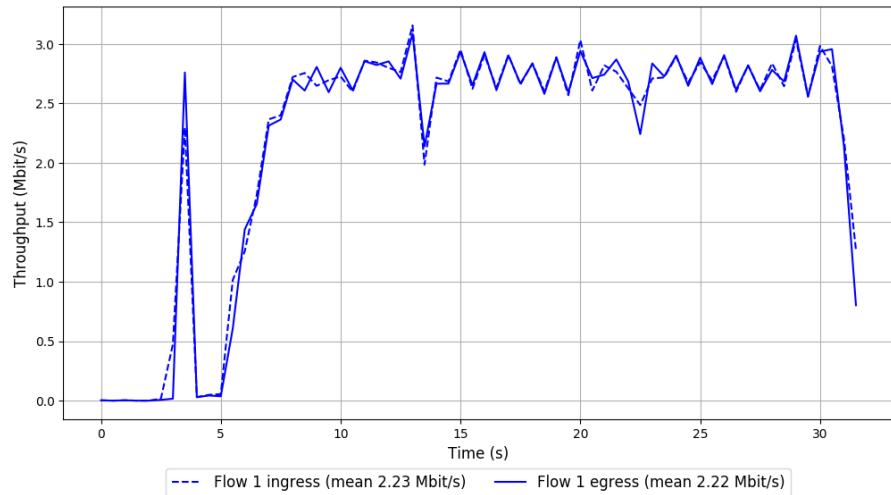


Run 8: Statistics of WebRTC media

```
Start at: 2017-08-31 01:02:21
End at: 2017-08-31 01:02:51
Local clock offset: 0.334 ms
Remote clock offset: -0.6 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 84.179 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 84.179 ms
Loss rate: 0.61%
```

Run 8: Report of WebRTC media — Data Link

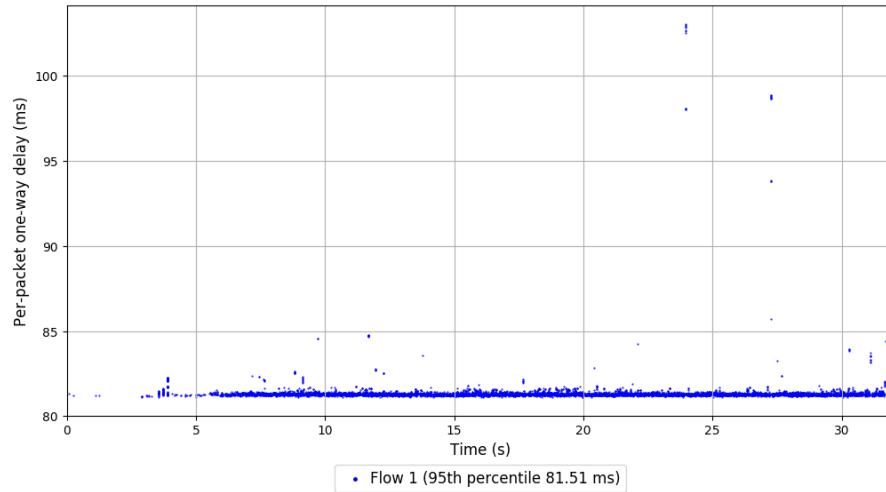
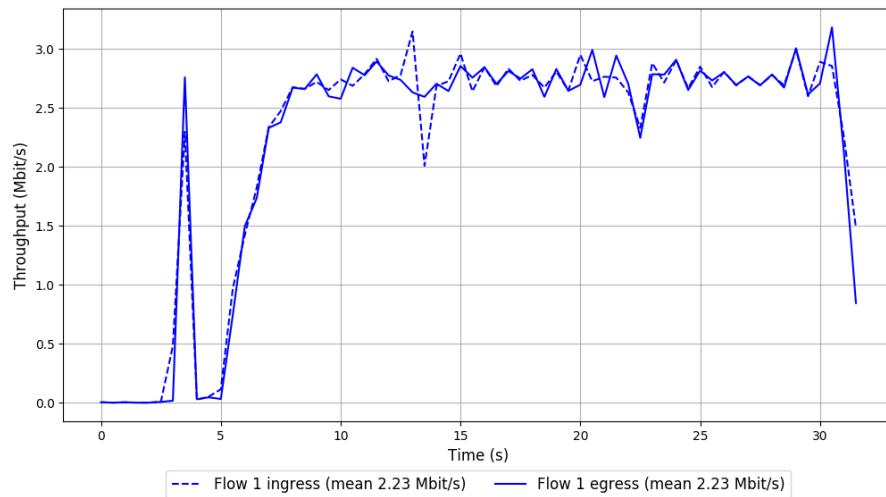


Run 9: Statistics of WebRTC media

```
Start at: 2017-08-31 01:21:30
End at: 2017-08-31 01:22:00
Local clock offset: 0.38 ms
Remote clock offset: 0.237 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 81.507 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 81.507 ms
Loss rate: 0.75%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2017-08-31 01:40:37
End at: 2017-08-31 01:41:07
Local clock offset: 0.378 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2017-08-31 06:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 82.970 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 82.970 ms
Loss rate: 0.61%
```

Run 10: Report of WebRTC media — Data Link

