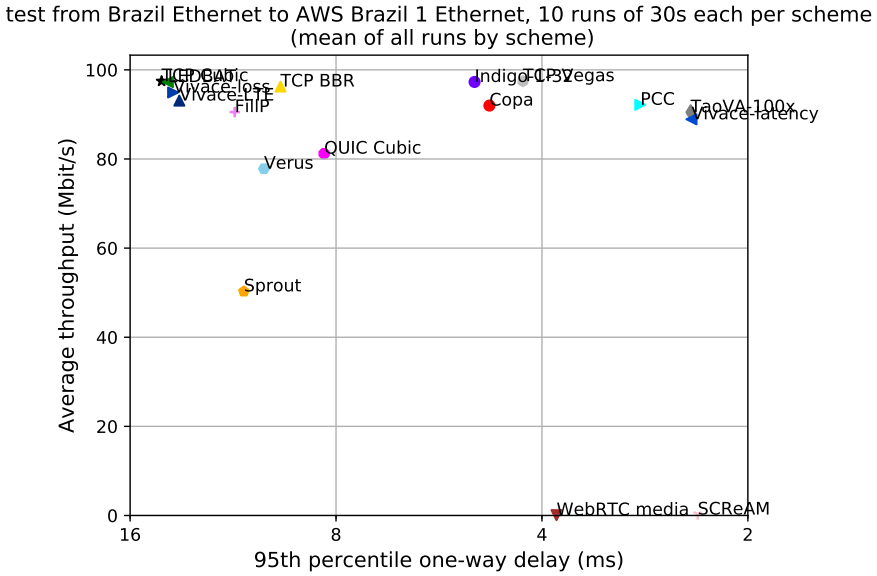
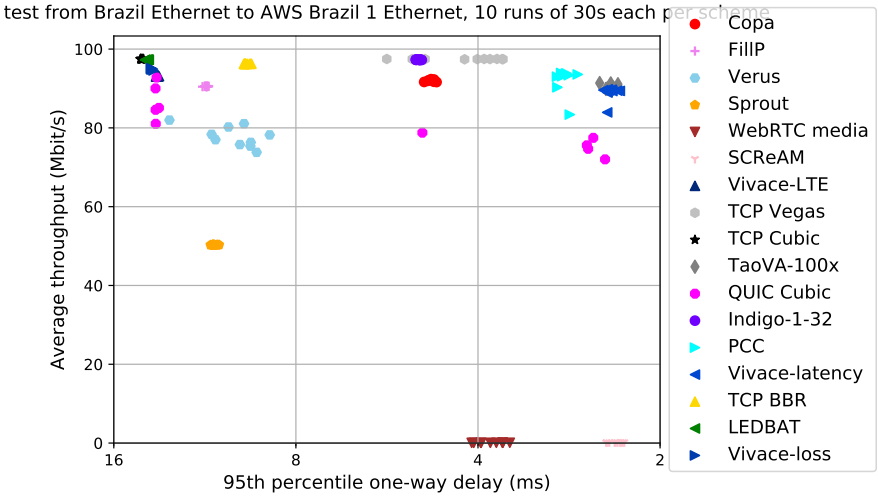
Pantheon Report

Generated at 2018-04-03 11:44:19 (UTC).
Data path: Brazil Ethernet (*remote*) →AWS Brazil 1 Ethernet (*local*).
Repeated the test of 17 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 @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```


test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)
Average throughput (Mbit/s)
95th percentile one-way delay (ms)
TCP BBR
Copa
PCC
FillP
QUIC Cubic
Verus
Sprout
WebRTC media
SCReAM


test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
Average throughput (Mbit/s)
95th percentile one-way delay (ms)
Copa
FillP
Verus
Sprout
WebRTC media
SCReAM
Vivace-LTE
TCP Vegas
TCP Cubic
TaoVA-100x
QUIC Cubic
Indigo-1-32
PCC
Vivace-latency
TCP BBR
LEDBAT
Vivace-loss

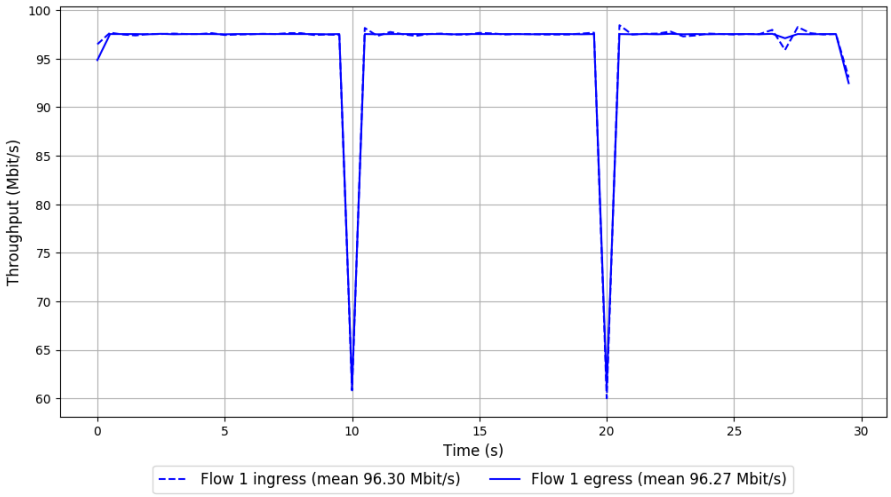
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.26	9.65	0.04
TCP Cubic	10	97.47	14.39	0.06
LEDBAT	10	97.26	14.09	0.06
PCC	10	92.16	2.87	0.02
QUIC Cubic	10	81.21	8.33	0.02
SCReAM	10	0.22	2.37	0.00
WebRTC media	10	0.07	3.81	0.01
Sprout	10	50.29	10.91	0.02
TaoVA-100x	10	90.48	2.43	0.02
TCP Vegas	10	97.46	4.26	0.02
Verus	10	77.81	10.20	0.03
Copa	10	91.99	4.77	0.02
FillP	10	90.53	11.25	0.02
Indigo-1-32	10	97.28	5.02	0.02
Vivace-latency	10	88.90	2.42	0.02
Vivace-loss	10	94.92	13.84	0.05
Vivace-LTE	10	93.11	13.56	0.02

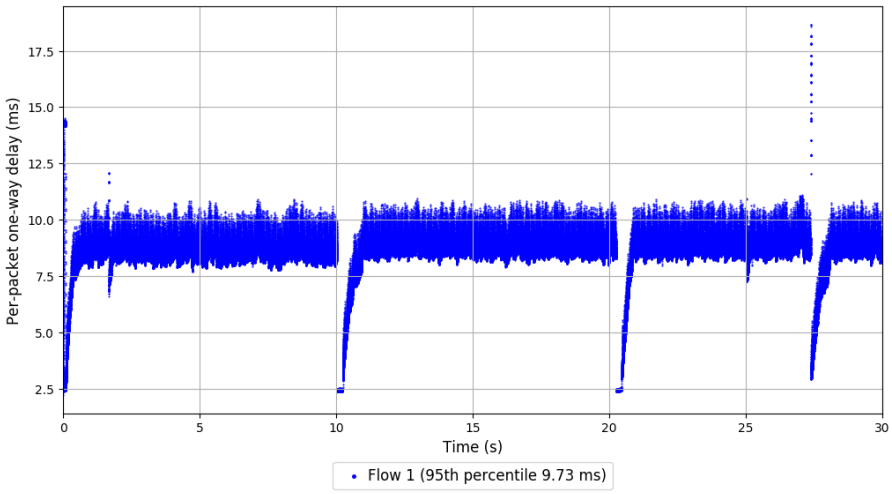
```
Run 1: Statistics of TCP BBR

Start at: 2018-04-03 04:31:48
End at: 2018-04-03 04:32:18
Local clock offset: -5.901 ms
Remote clock offset: -5.887 ms

# Below is generated by plot.py at 2018-04-03 11:16:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.730 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.730 ms
Loss rate: 0.04%
```

Run 1: Report of TCP BBR — Data Link



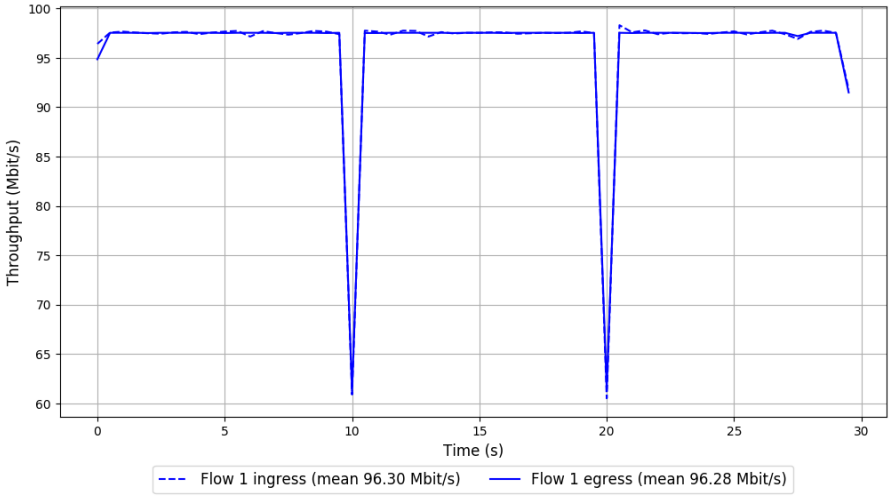


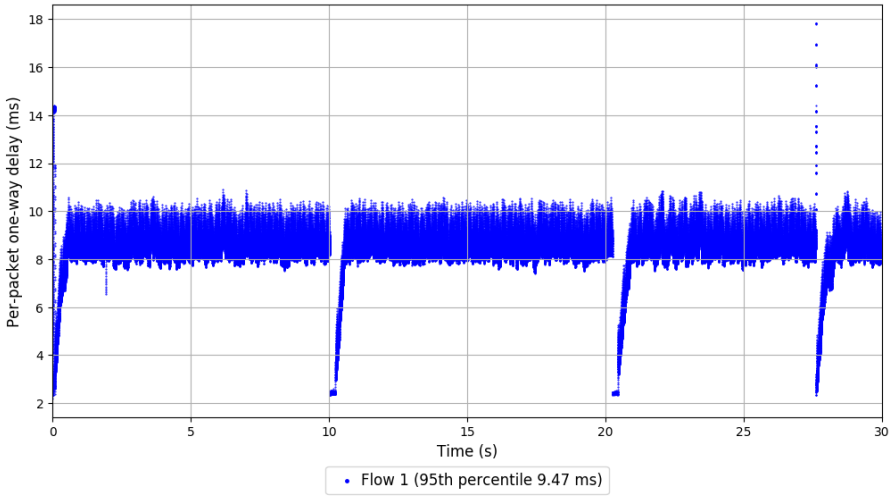
```
Run 2: Statistics of TCP BBR

Start at: 2018-04-03 04:52:11
End at: 2018-04-03 04:52:41
Local clock offset: -5.691 ms
Remote clock offset: -5.838 ms

# Below is generated by plot.py at 2018-04-03 11:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.475 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.475 ms
Loss rate: 0.04%
```

Run 2: Report of TCP BBR — Data Link



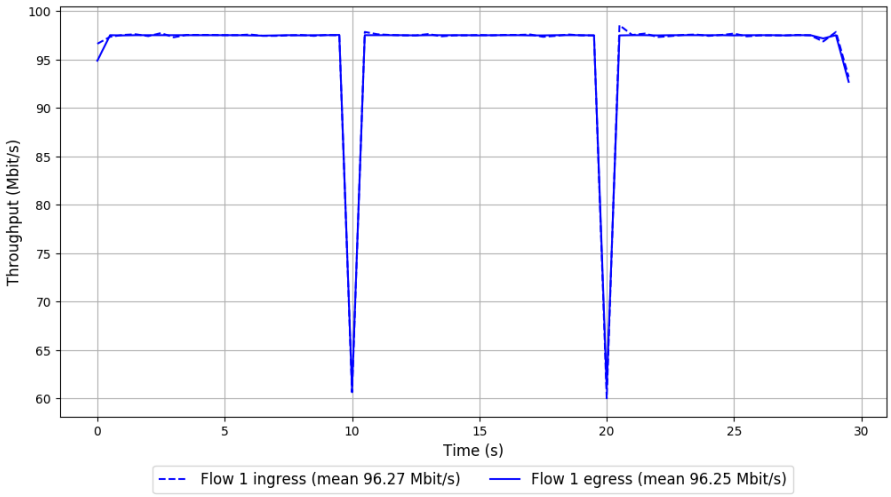


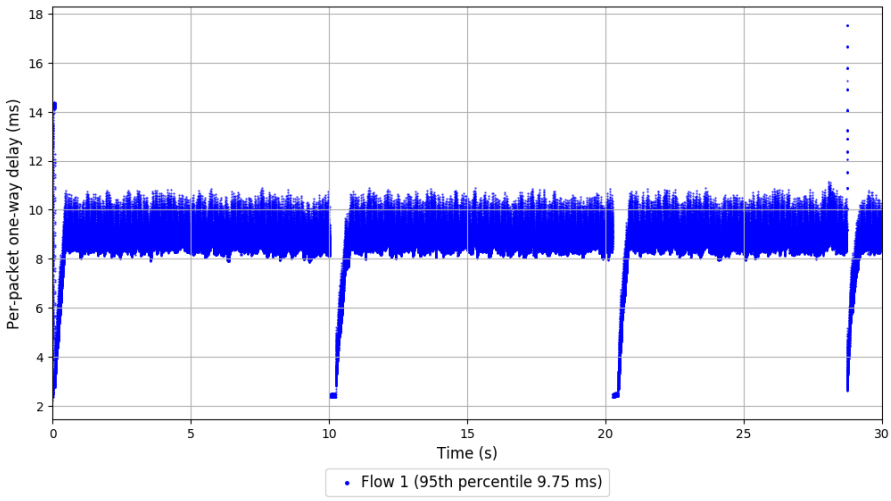
```
Run 3: Statistics of TCP BBR

Start at: 2018-04-03 05:12:34
End at: 2018-04-03 05:13:04
Local clock offset: -5.569 ms
Remote clock offset: -5.96 ms

# Below is generated by plot.py at 2018-04-03 11:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 9.753 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 9.753 ms
Loss rate: 0.04%
```

Run 3: Report of TCP BBR — Data Link



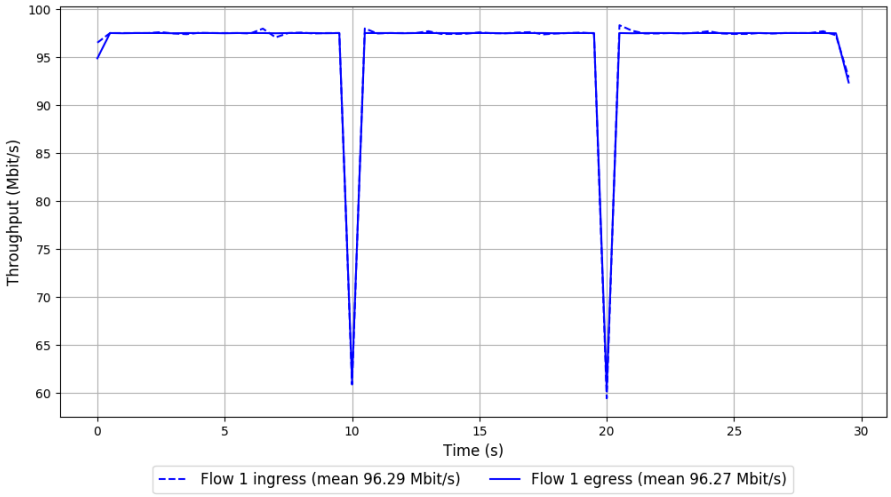


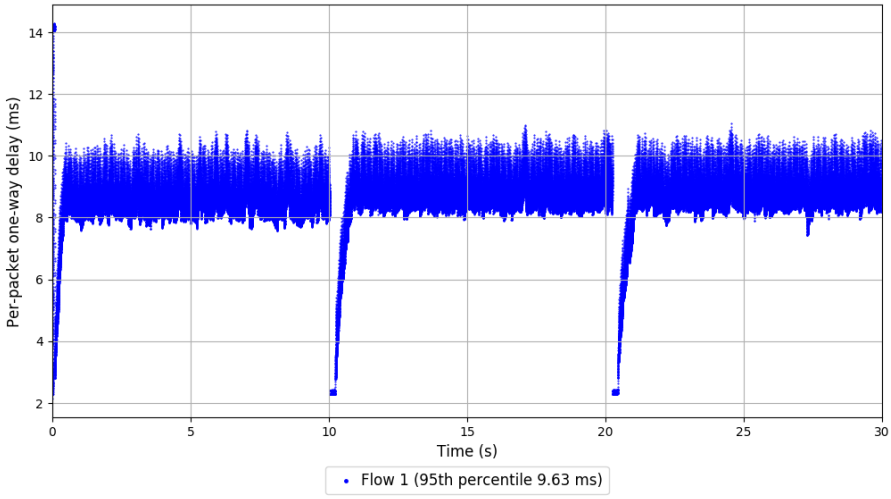
```
Run 4: Statistics of TCP BBR

Start at: 2018-04-03 05:32:57
End at: 2018-04-03 05:33:27
Local clock offset: -5.834 ms
Remote clock offset: -5.836 ms

# Below is generated by plot.py at 2018-04-03 11:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.626 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.626 ms
Loss rate: 0.04%
```

Run 4: Report of TCP BBR — Data Link



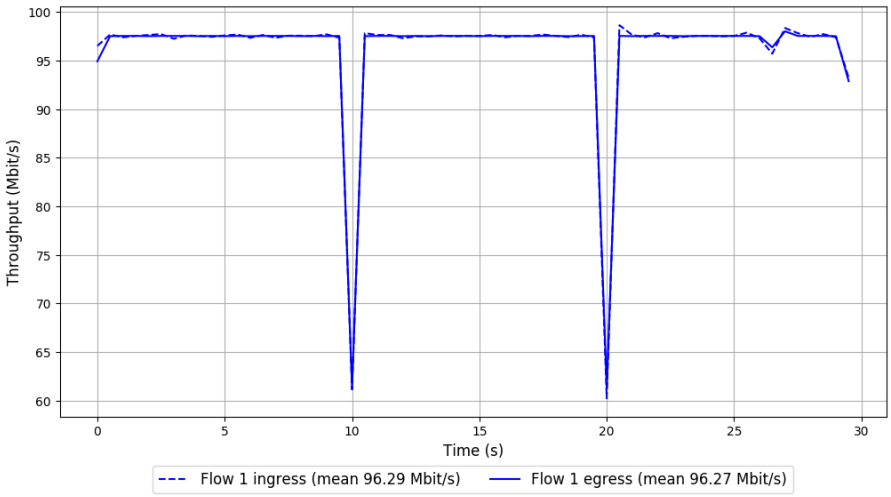


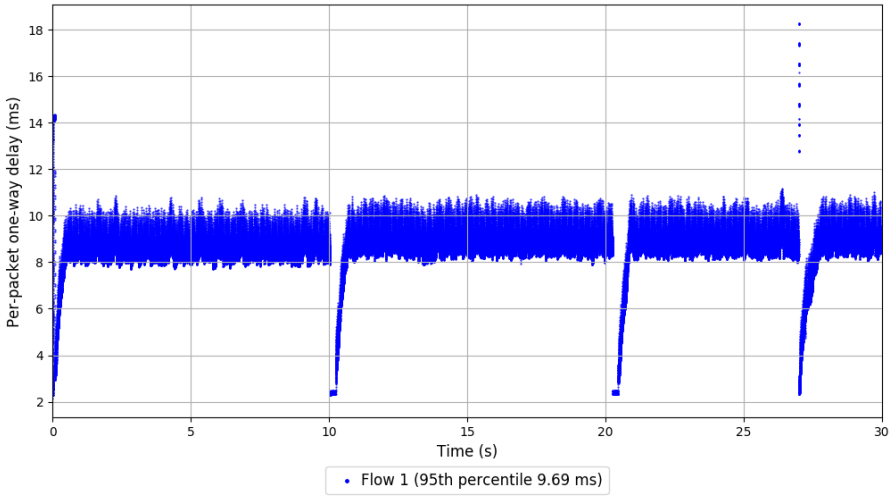
```
Run 5: Statistics of TCP BBR

Start at: 2018-04-03 05:53:20
End at: 2018-04-03 05:53:50
Local clock offset: -6.023 ms
Remote clock offset: -5.699 ms

# Below is generated by plot.py at 2018-04-03 11:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.693 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.693 ms
Loss rate: 0.04%
```

Run 5: Report of TCP BBR — Data Link



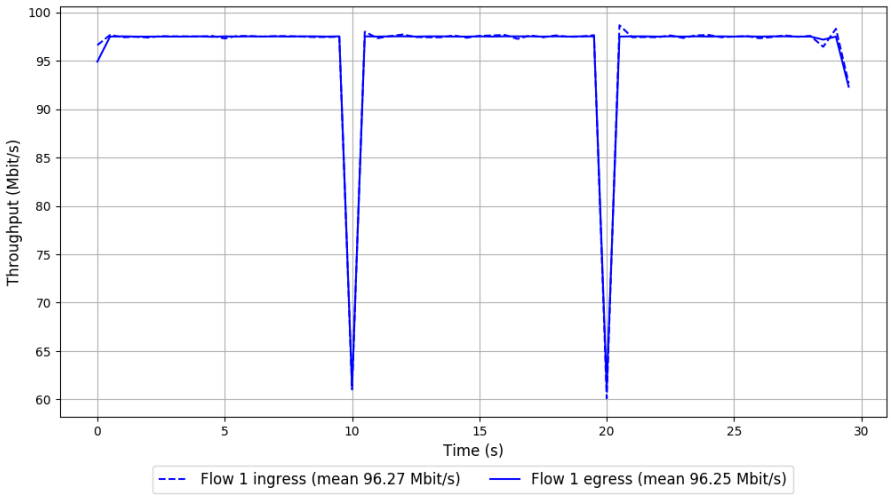


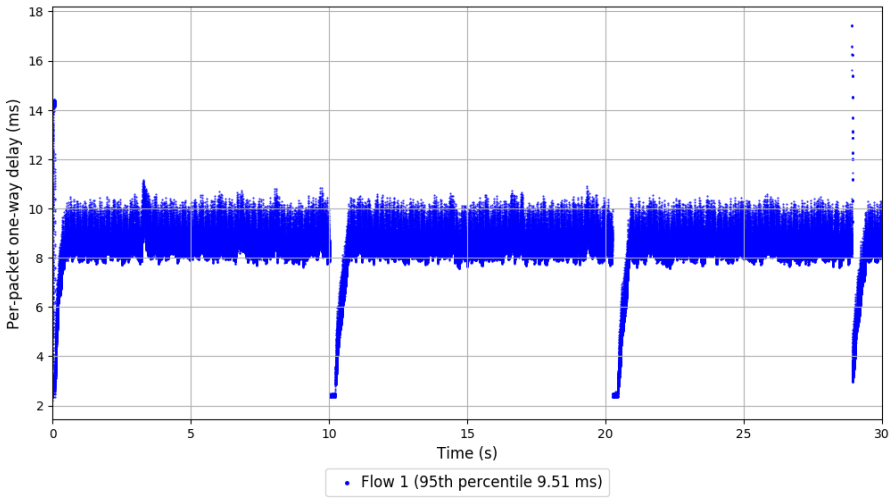
```
Run 6: Statistics of TCP BBR

Start at: 2018-04-03 06:13:42
End at: 2018-04-03 06:14:12
Local clock offset: -6.422 ms
Remote clock offset: -5.772 ms

# Below is generated by plot.py at 2018-04-03 11:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 9.506 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 9.506 ms
Loss rate: 0.04%
```

Run 6: Report of TCP BBR — Data Link



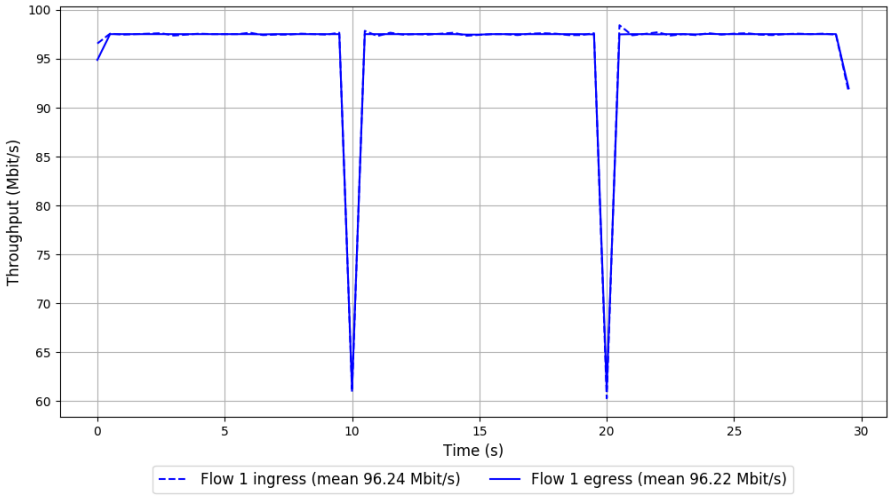


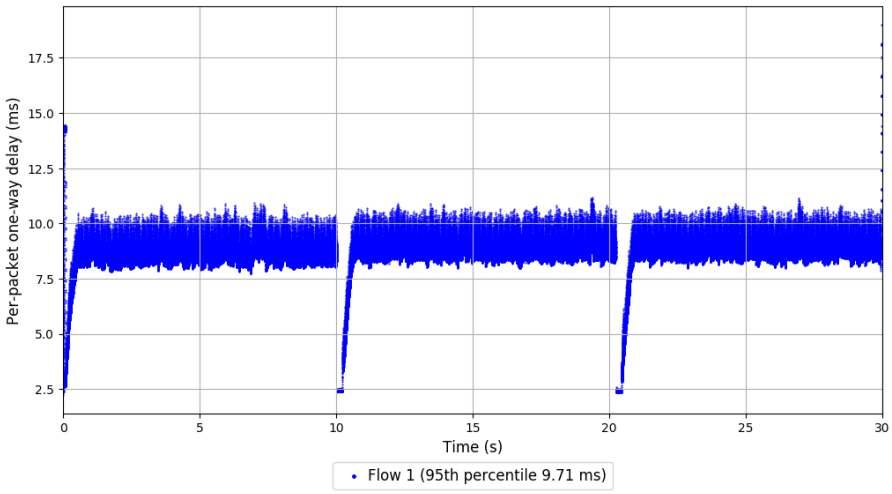
```
Run 7: Statistics of TCP BBR

Start at: 2018-04-03 06:34:05
End at: 2018-04-03 06:34:35
Local clock offset: -6.145 ms
Remote clock offset: -5.721 ms

# Below is generated by plot.py at 2018-04-03 11:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 9.709 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 9.709 ms
Loss rate: 0.02%
```

Run 7: Report of TCP BBR — Data Link



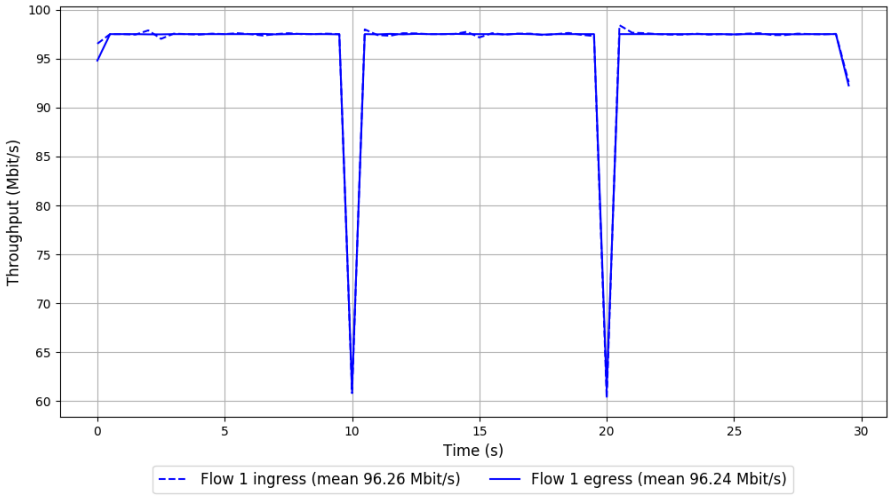


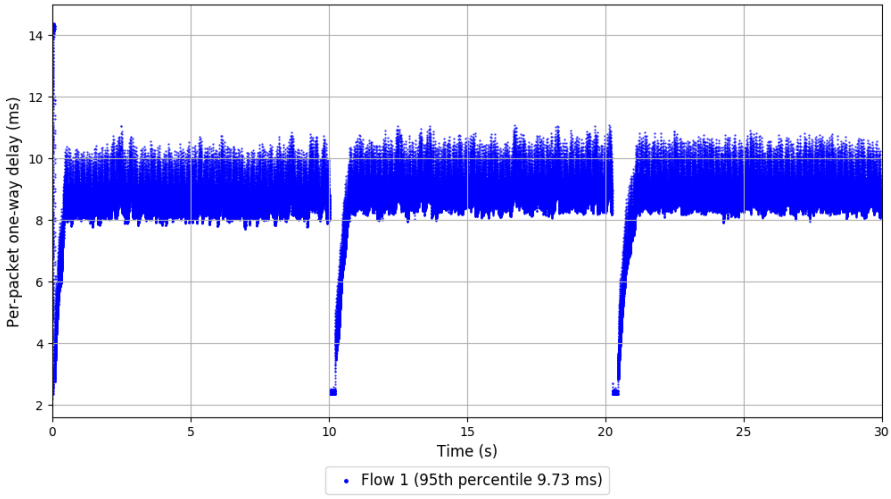
```
Run 8: Statistics of TCP BBR

Start at: 2018-04-03 06:54:28
End at: 2018-04-03 06:54:58
Local clock offset: -5.961 ms
Remote clock offset: -5.675 ms

# Below is generated by plot.py at 2018-04-03 11:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 9.726 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 9.726 ms
Loss rate: 0.04%
```

Run 8: Report of TCP BBR — Data Link



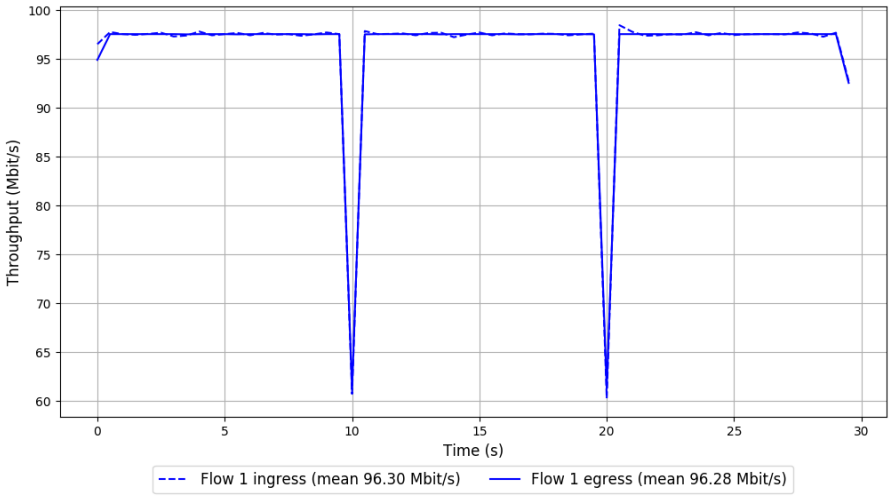


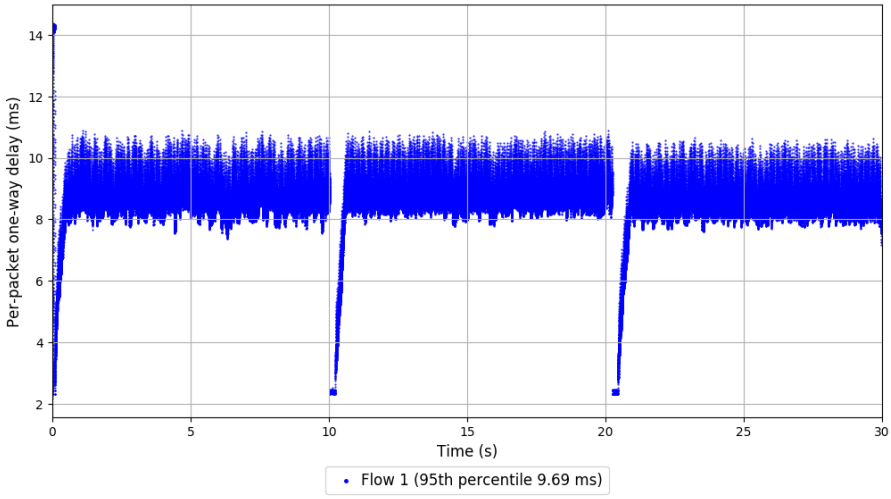
```
Run 9: Statistics of TCP BBR

Start at: 2018-04-03 07:14:51
End at: 2018-04-03 07:15:21
Local clock offset: -7.22 ms
Remote clock offset: -6.245 ms

# Below is generated by plot.py at 2018-04-03 11:18:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.690 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.690 ms
Loss rate: 0.03%
```

Run 9: Report of TCP BBR — Data Link



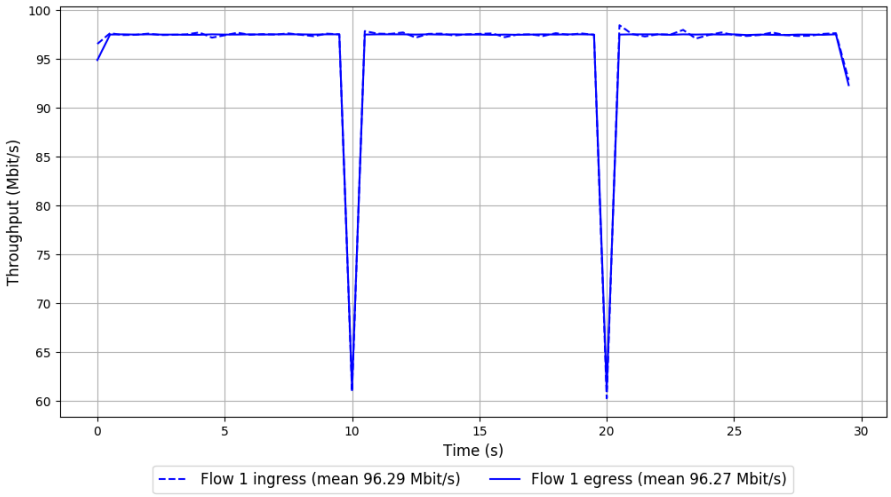


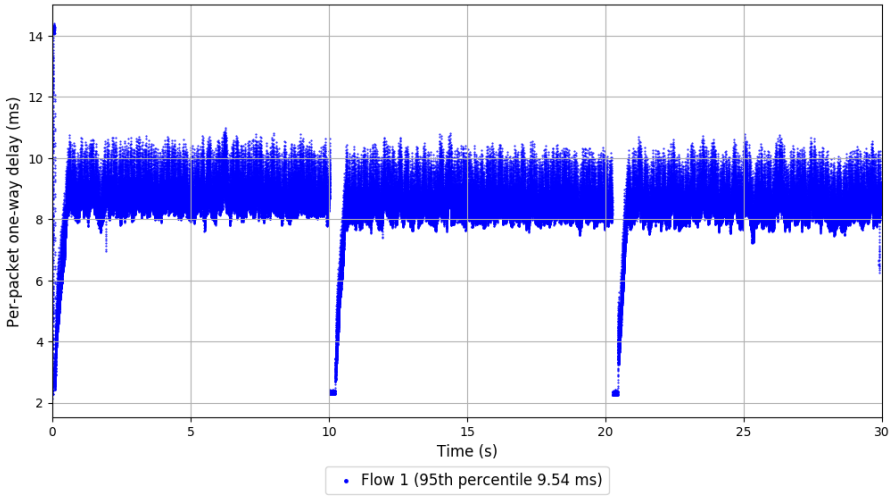
```
Run 10: Statistics of TCP BBR

Start at: 2018-04-03 07:35:14
End at: 2018-04-03 07:35:44
Local clock offset: -7.367 ms
Remote clock offset: -6.623 ms

# Below is generated by plot.py at 2018-04-03 11:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.543 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.543 ms
Loss rate: 0.04%
```

Run 10: Report of TCP BBR — Data Link



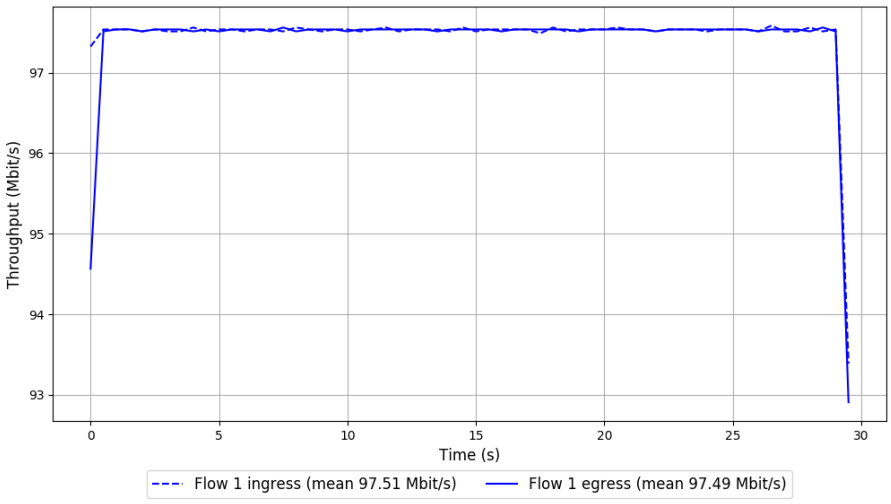


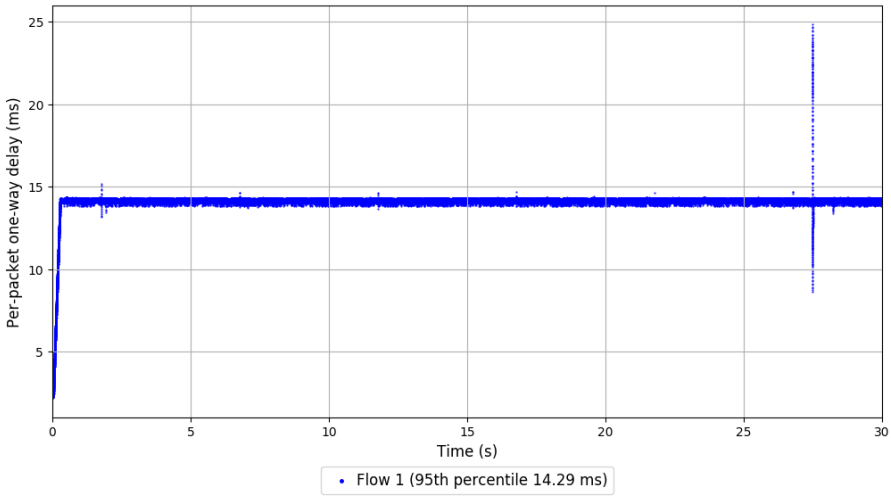
```
Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 04:37:31
End at: 2018-04-03 04:38:01
Local clock offset: -5.984 ms
Remote clock offset: -5.791 ms

# Below is generated by plot.py at 2018-04-03 11:18:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.292 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.292 ms
Loss rate: 0.06%
```

Run 1: Report of TCP Cubic — Data Link



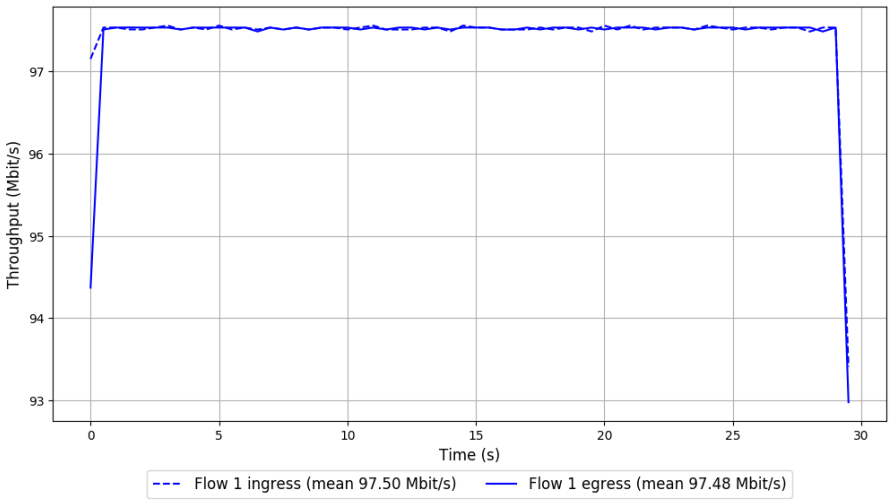


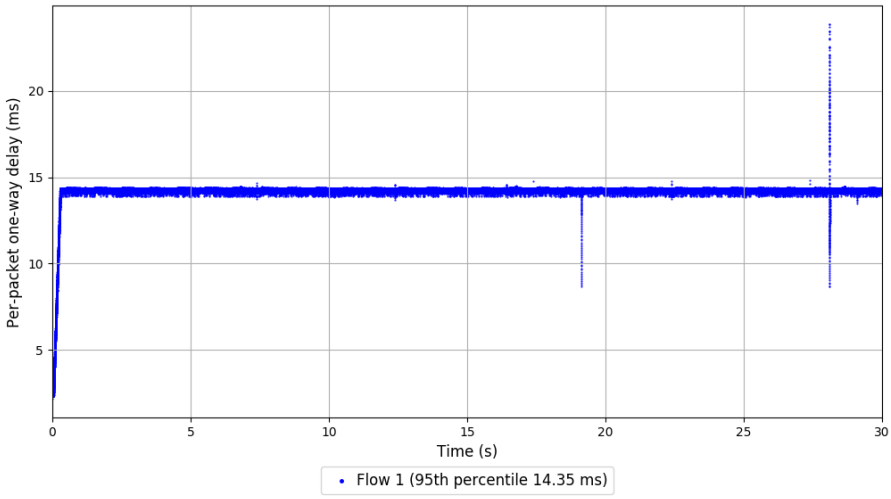
```
Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 04:57:54
End at: 2018-04-03 04:58:24
Local clock offset: -5.662 ms
Remote clock offset: -5.94 ms

# Below is generated by plot.py at 2018-04-03 11:18:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.351 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.351 ms
Loss rate: 0.06%
```

Run 2: Report of TCP Cubic — Data Link



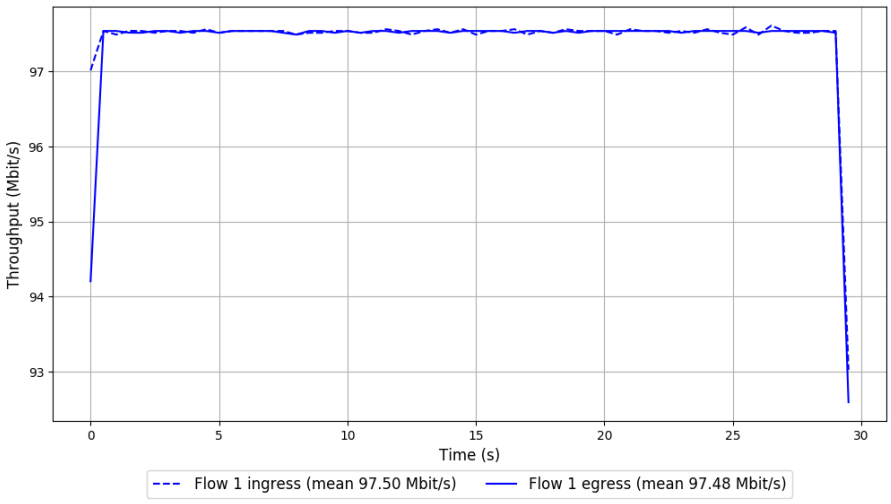


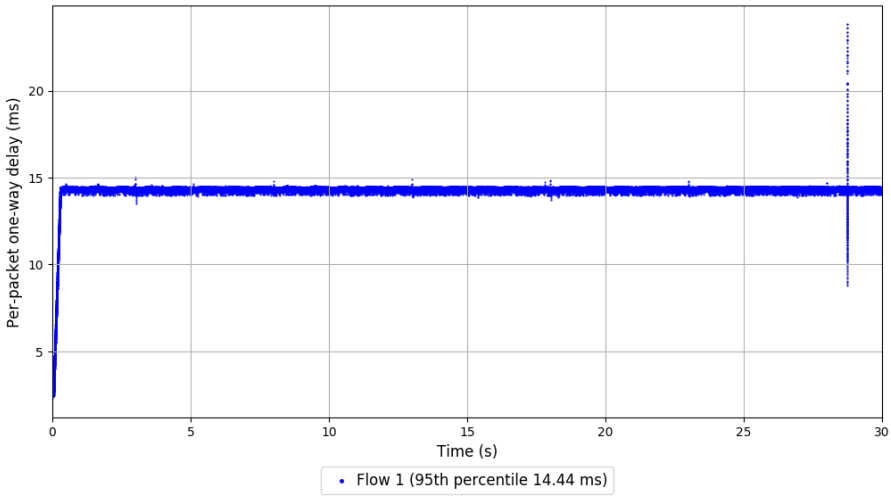
```
Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 05:18:17
End at: 2018-04-03 05:18:47
Local clock offset: -5.613 ms
Remote clock offset: -5.989 ms

# Below is generated by plot.py at 2018-04-03 11:18:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.444 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.444 ms
Loss rate: 0.06%
```

Run 3: Report of TCP Cubic — Data Link



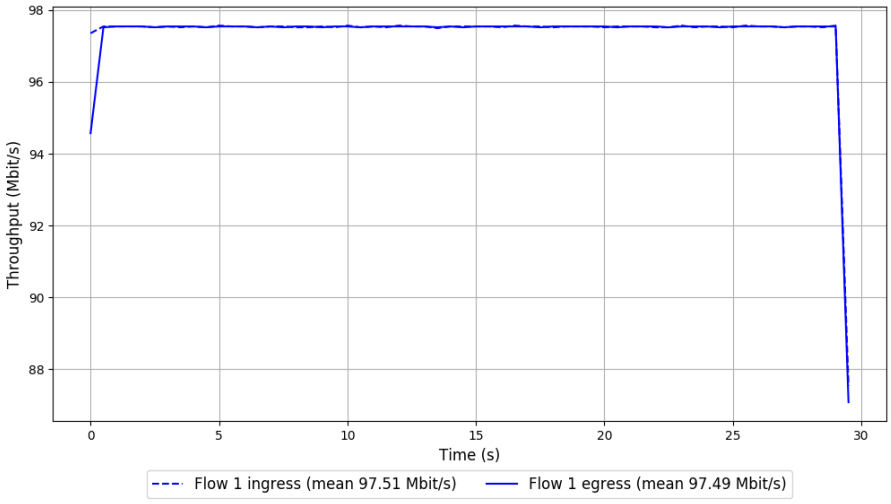


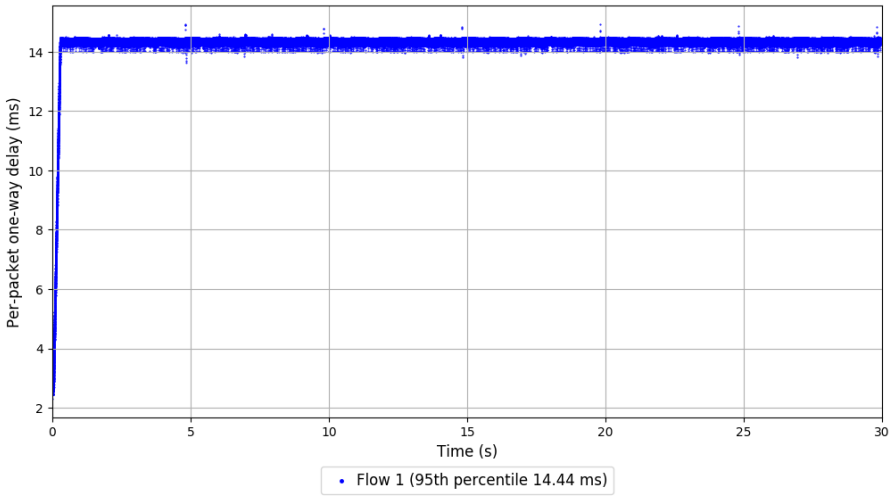
```
Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 05:38:40
End at: 2018-04-03 05:39:10
Local clock offset: -5.758 ms
Remote clock offset: -5.871 ms

# Below is generated by plot.py at 2018-04-03 11:18:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.442 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.442 ms
Loss rate: 0.06%
```

Run 4: Report of TCP Cubic — Data Link



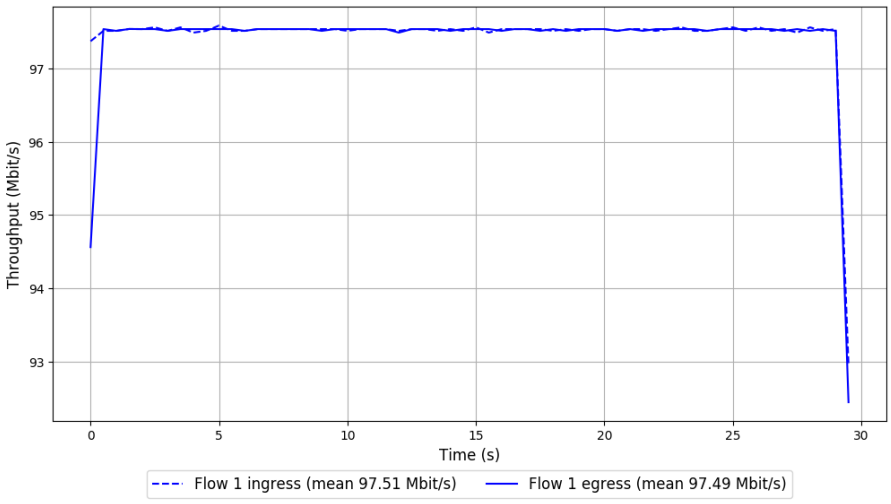


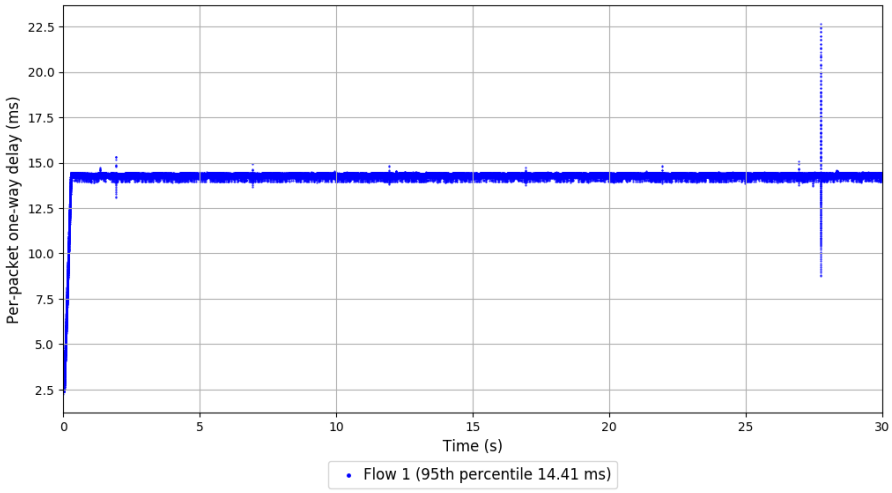
```
Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 05:59:03
End at: 2018-04-03 05:59:33
Local clock offset: -6.164 ms
Remote clock offset: -5.765 ms

# Below is generated by plot.py at 2018-04-03 11:18:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.409 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.409 ms
Loss rate: 0.06%
```

Run 5: Report of TCP Cubic — Data Link



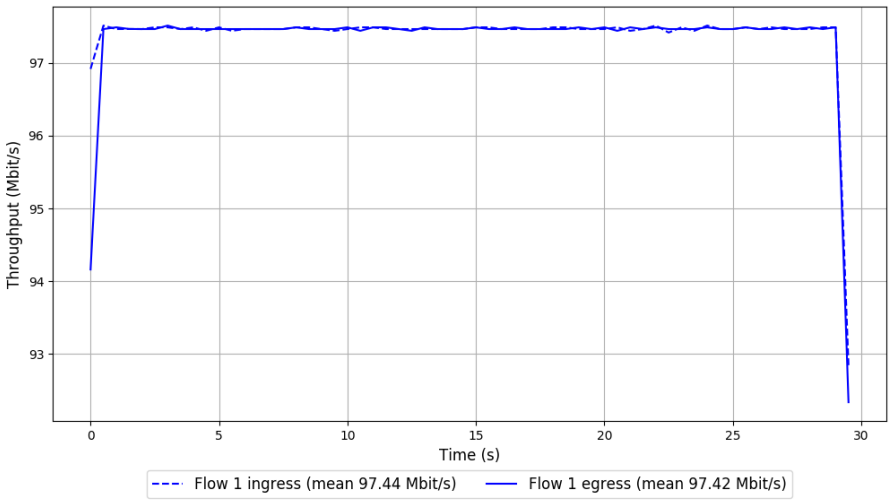


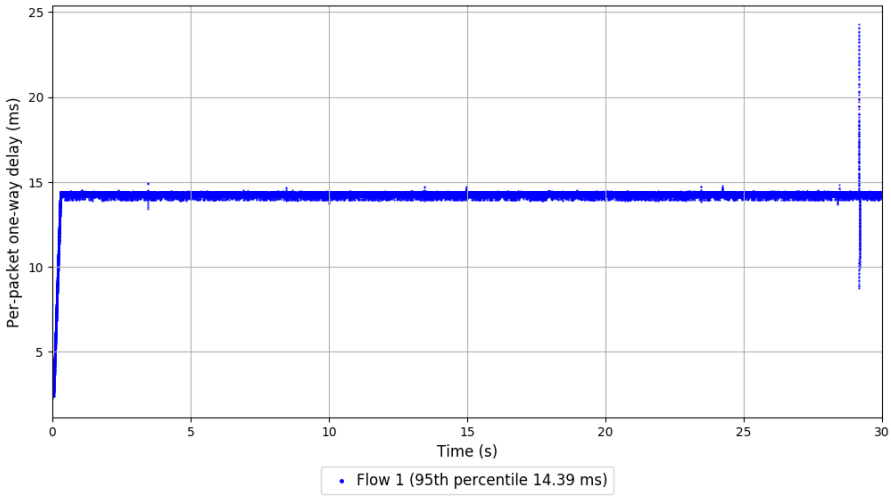
```
Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 06:19:25
End at: 2018-04-03 06:19:55
Local clock offset: -6.454 ms
Remote clock offset: -5.746 ms

# Below is generated by plot.py at 2018-04-03 11:18:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 14.386 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 14.386 ms
Loss rate: 0.06%
```

Run 6: Report of TCP Cubic — Data Link



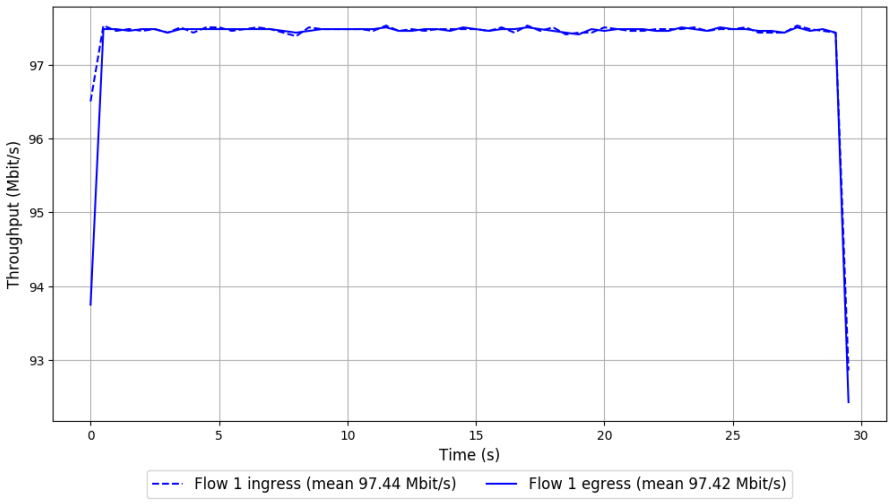


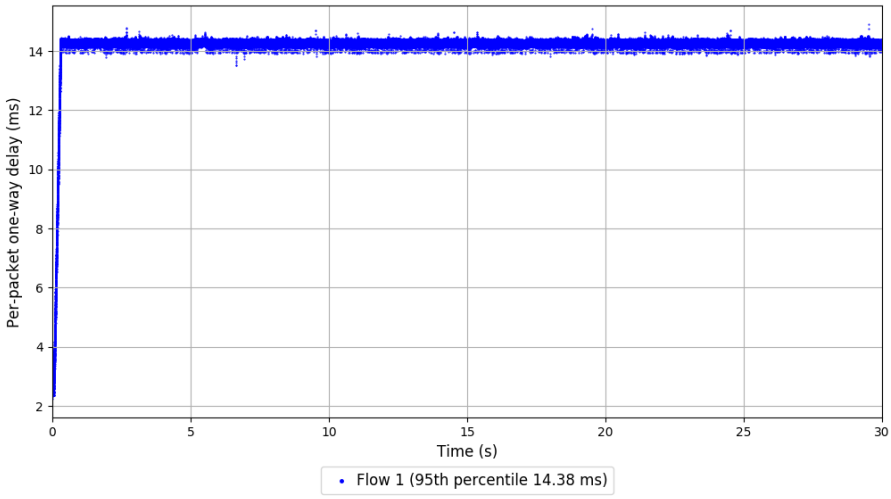
```
Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 06:39:48
End at: 2018-04-03 06:40:18
Local clock offset: -6.071 ms
Remote clock offset: -5.721 ms

# Below is generated by plot.py at 2018-04-03 11:19:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 14.382 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 14.382 ms
Loss rate: 0.06%
```

Run 7: Report of TCP Cubic — Data Link



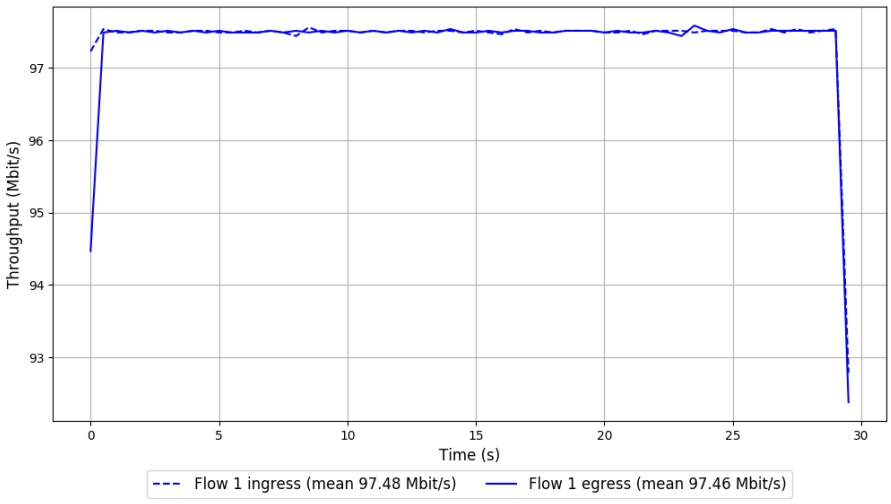


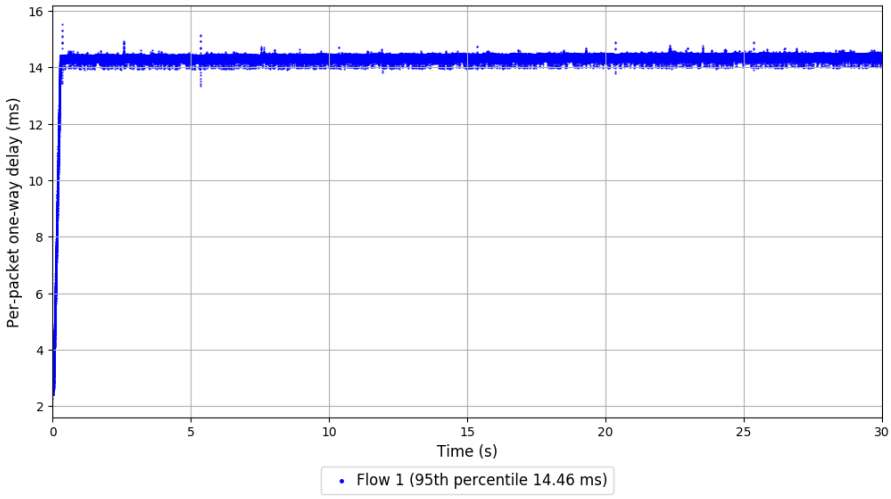
```
Run 8: Statistics of TCP Cubic

Start at: 2018-04-03 07:00:11
End at: 2018-04-03 07:00:41
Local clock offset: -6.177 ms
Remote clock offset: -5.637 ms

# Below is generated by plot.py at 2018-04-03 11:19:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 14.458 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 14.458 ms
Loss rate: 0.06%
```

Run 8: Report of TCP Cubic — Data Link



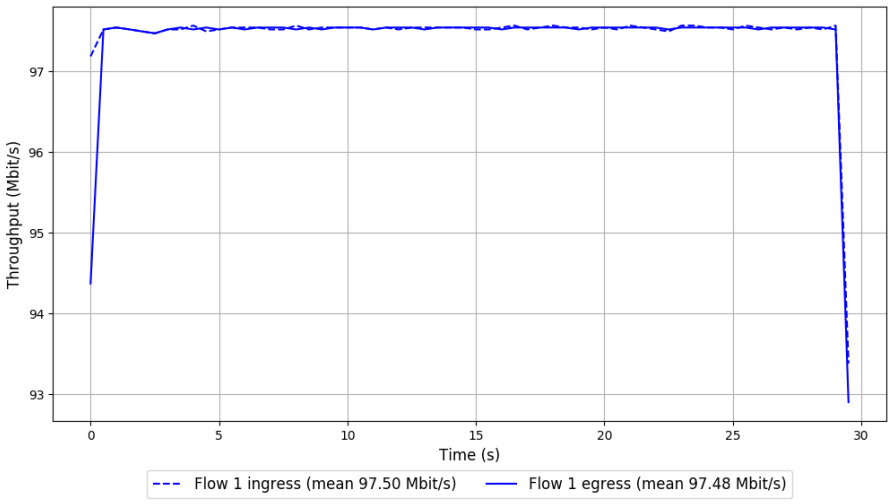


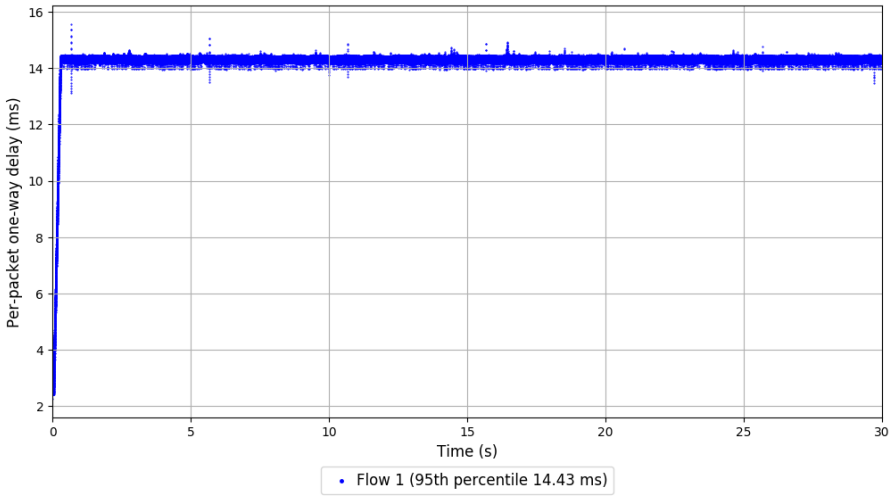
```
Run 9: Statistics of TCP Cubic

Start at: 2018-04-03 07:20:34
End at: 2018-04-03 07:21:04
Local clock offset: -7.357 ms
Remote clock offset: -6.466 ms

# Below is generated by plot.py at 2018-04-03 11:19:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.428 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.428 ms
Loss rate: 0.06%
```

Run 9: Report of TCP Cubic — Data Link



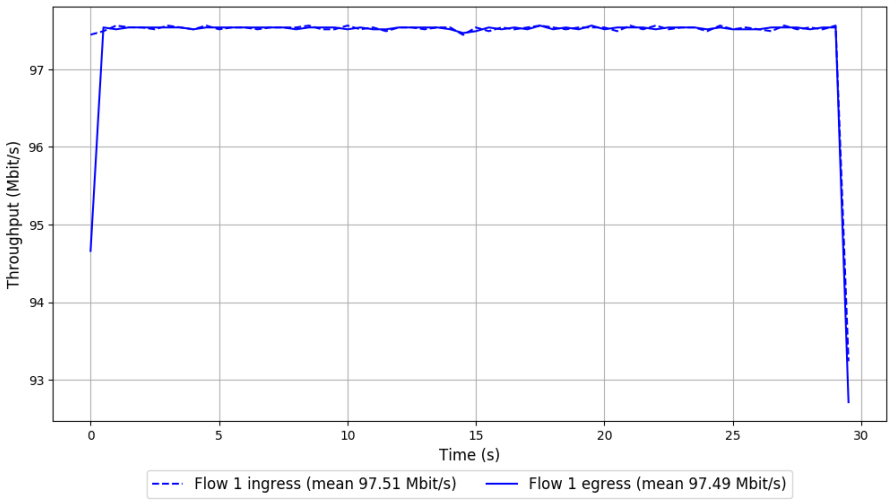


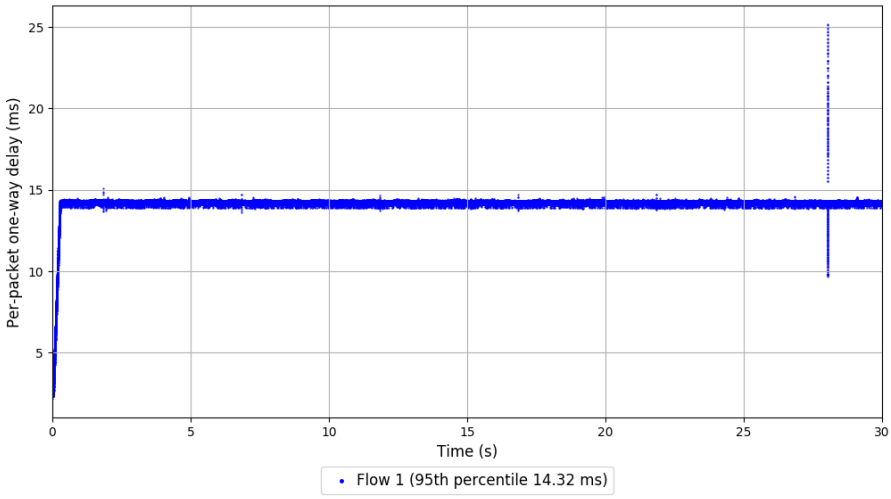
```
Run 10: Statistics of TCP Cubic

Start at: 2018-04-03 07:40:57
End at: 2018-04-03 07:41:27
Local clock offset: -6.961 ms
Remote clock offset: -6.676 ms

# Below is generated by plot.py at 2018-04-03 11:19:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.325 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.325 ms
Loss rate: 0.06%
```

Run 10: Report of TCP Cubic — Data Link



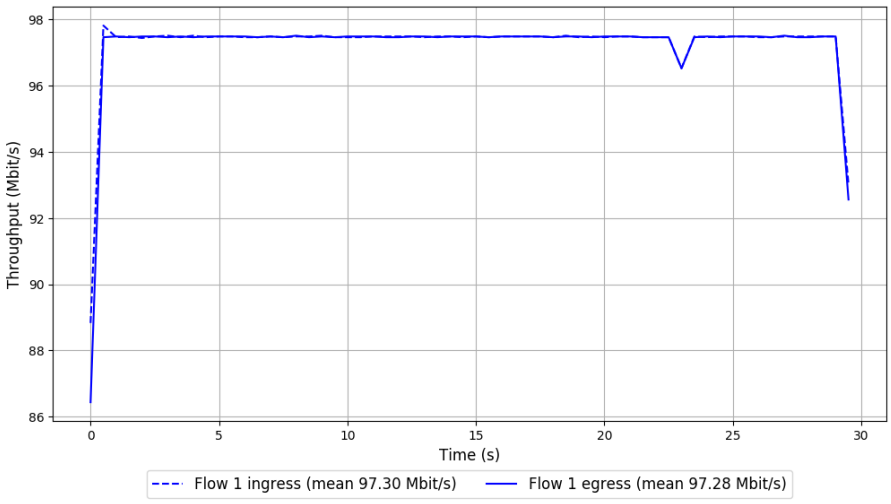


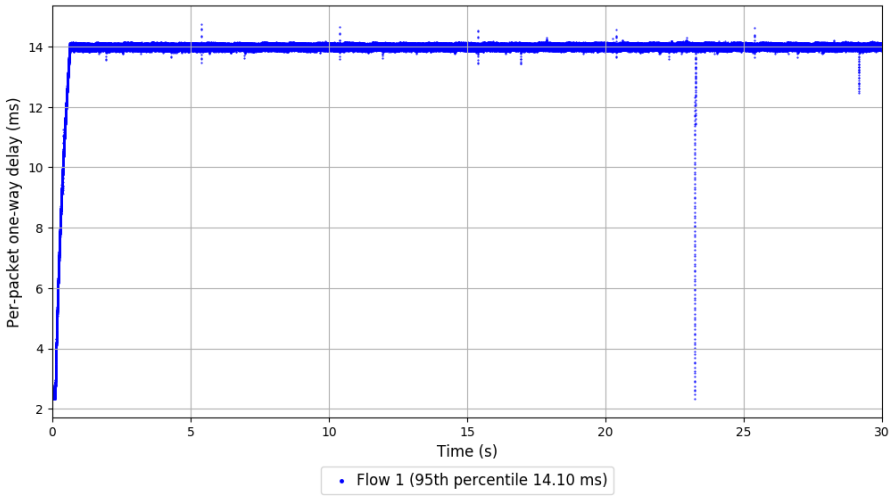
```
Run 1: Statistics of LEDBAT

Start at: 2018-04-03 04:32:56
End at: 2018-04-03 04:33:26
Local clock offset: -5.91 ms
Remote clock offset: -5.851 ms

# Below is generated by plot.py at 2018-04-03 11:19:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.096 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.096 ms
Loss rate: 0.05%
```

Run 1: Report of LEDBAT — Data Link



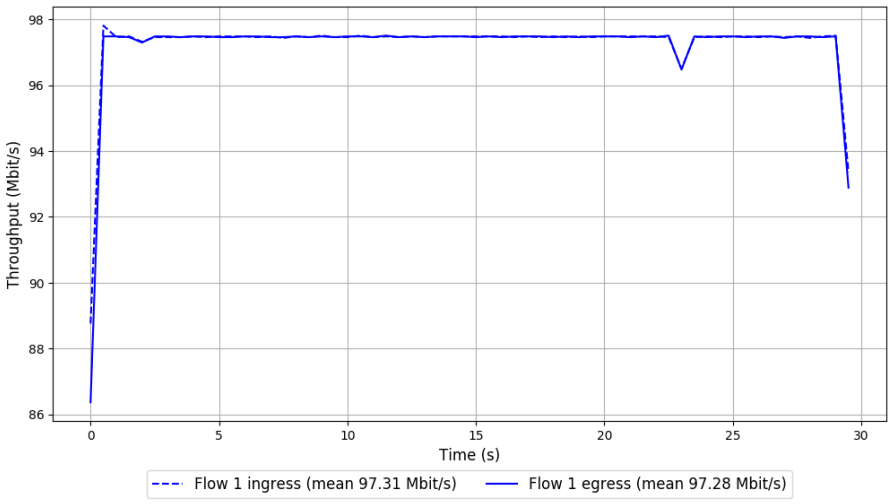


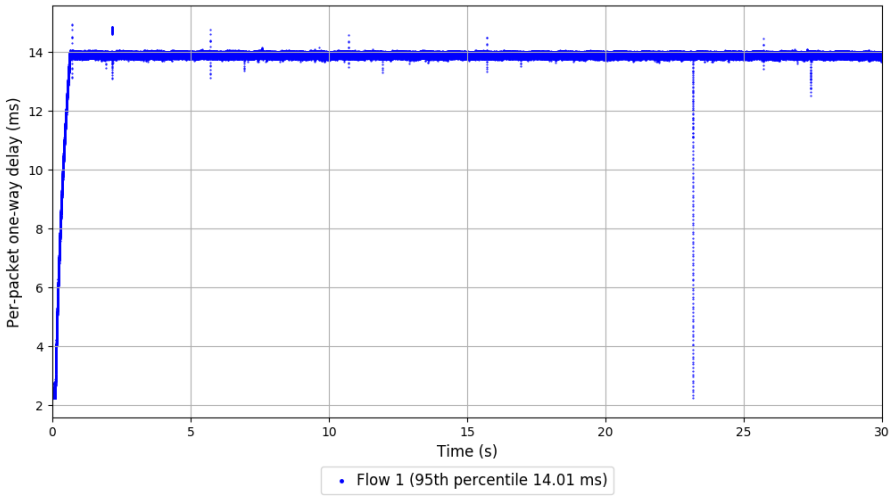
```
Run 2: Statistics of LEDBAT

Start at: 2018-04-03 04:53:19
End at: 2018-04-03 04:53:49
Local clock offset: -5.771 ms
Remote clock offset: -5.853 ms

# Below is generated by plot.py at 2018-04-03 11:19:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.005 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.005 ms
Loss rate: 0.05%
```

Run 2: Report of LEDBAT — Data Link



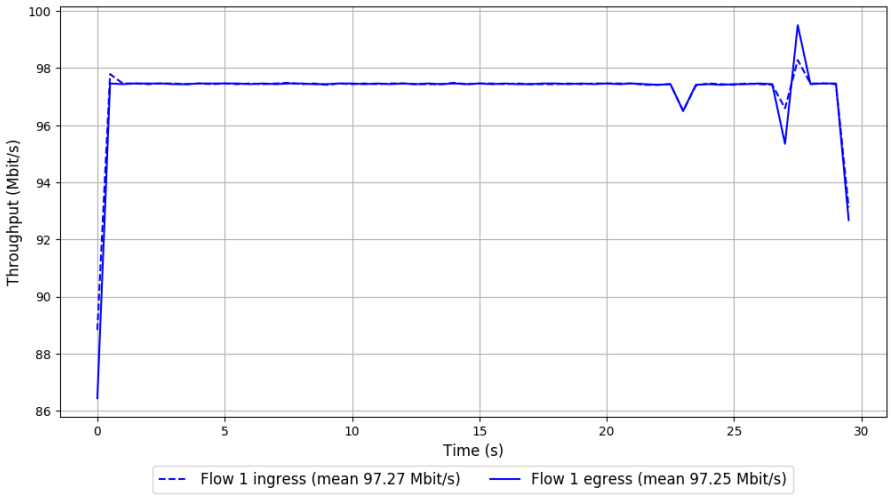


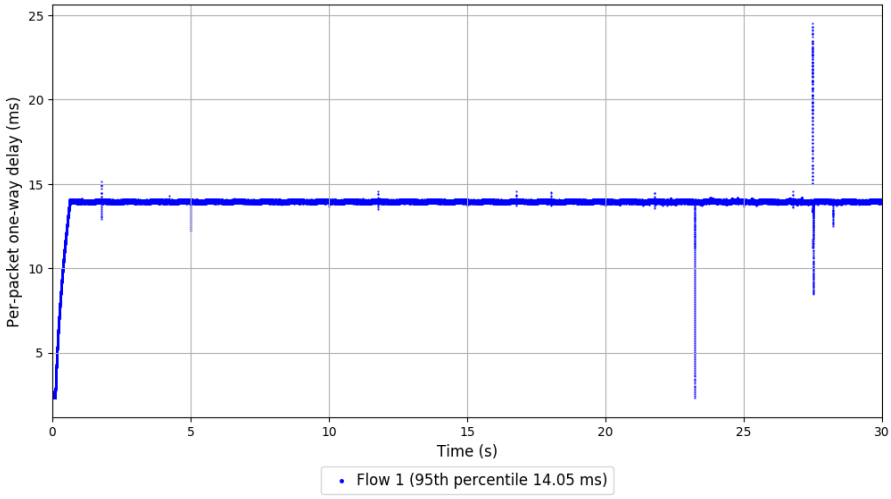
```
Run 3: Statistics of LEDBAT

Start at: 2018-04-03 05:13:42
End at: 2018-04-03 05:14:12
Local clock offset: -5.574 ms
Remote clock offset: -5.942 ms

# Below is generated by plot.py at 2018-04-03 11:19:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 14.053 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 14.053 ms
Loss rate: 0.05%
```

Run 3: Report of LEDBAT — Data Link



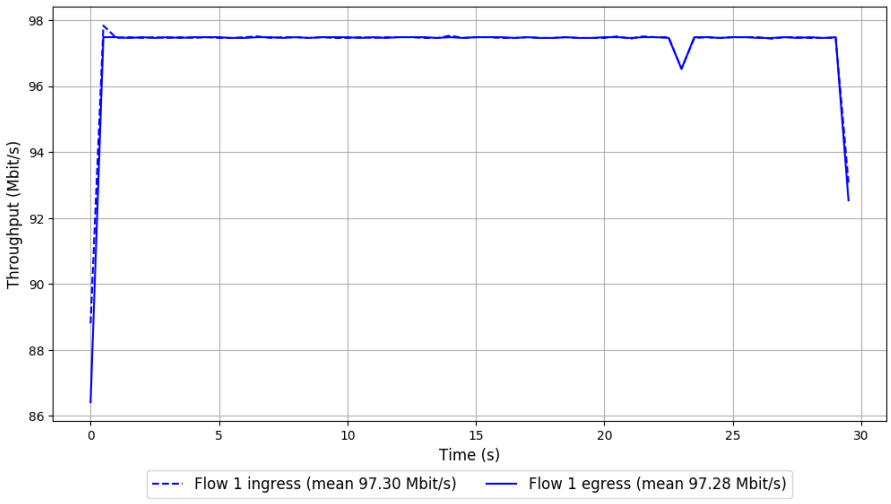


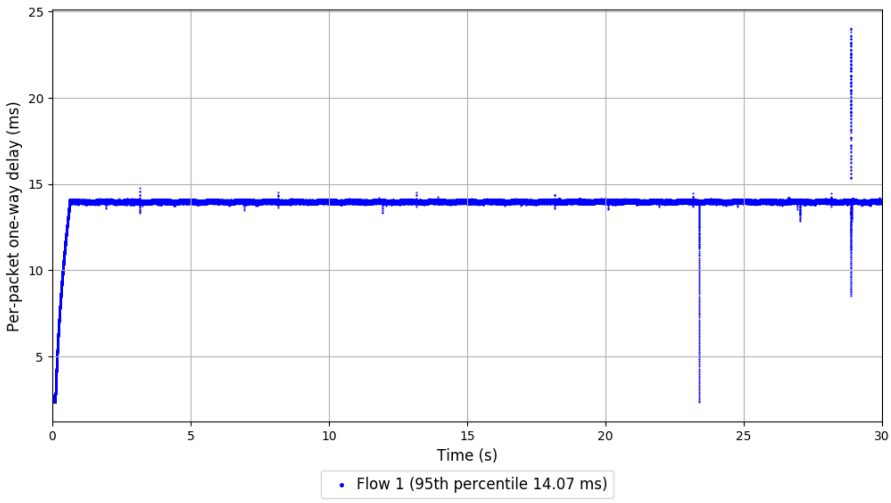
```
Run 4: Statistics of LEDBAT

Start at: 2018-04-03 05:34:05
End at: 2018-04-03 05:34:35
Local clock offset: -5.782 ms
Remote clock offset: -5.822 ms

# Below is generated by plot.py at 2018-04-03 11:19:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.069 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.069 ms
Loss rate: 0.06%
```

Run 4: Report of LEDBAT — Data Link



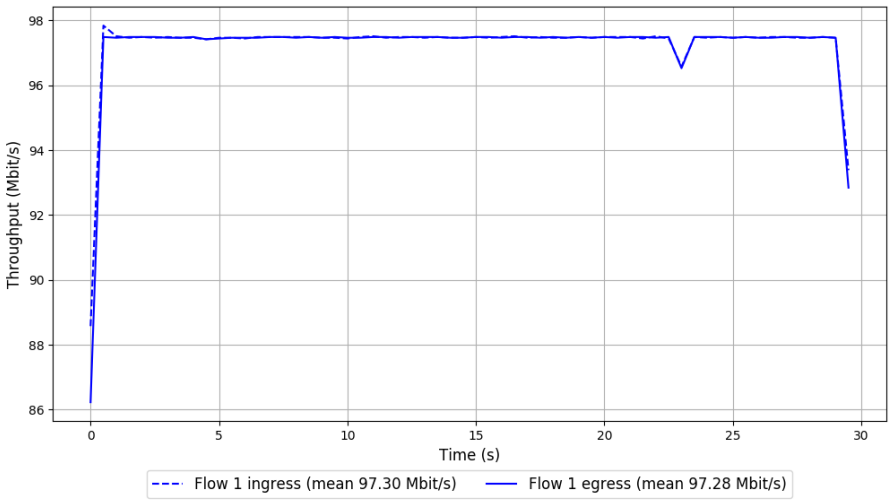


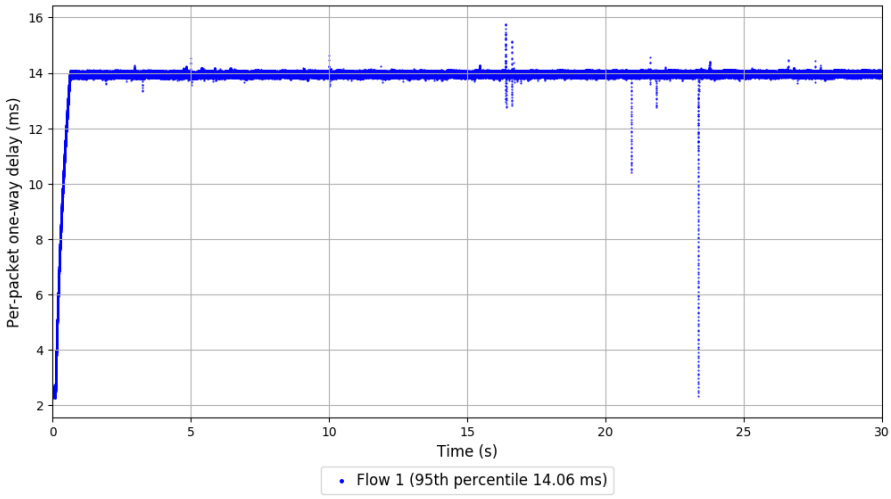
```
Run 5: Statistics of LEDBAT

Start at: 2018-04-03 05:54:28
End at: 2018-04-03 05:54:58
Local clock offset: -6.076 ms
Remote clock offset: -5.679 ms

# Below is generated by plot.py at 2018-04-03 11:21:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.062 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.062 ms
Loss rate: 0.06%
```

Run 5: Report of LEDBAT — Data Link



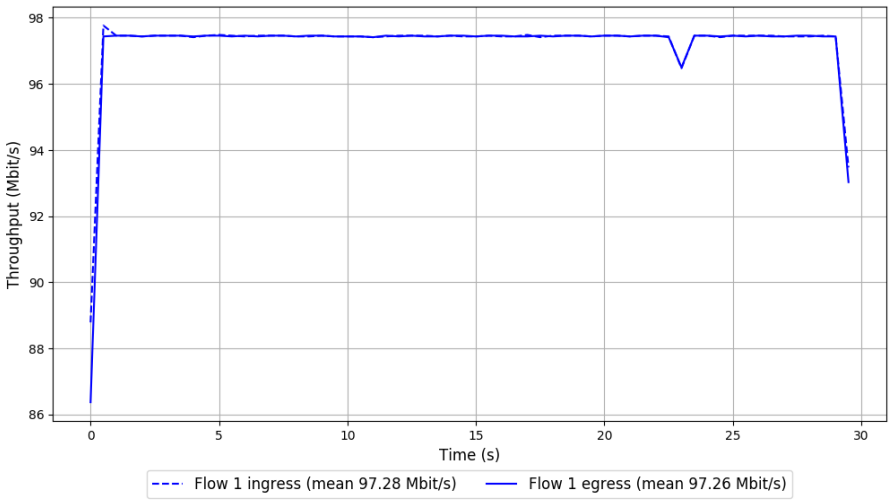


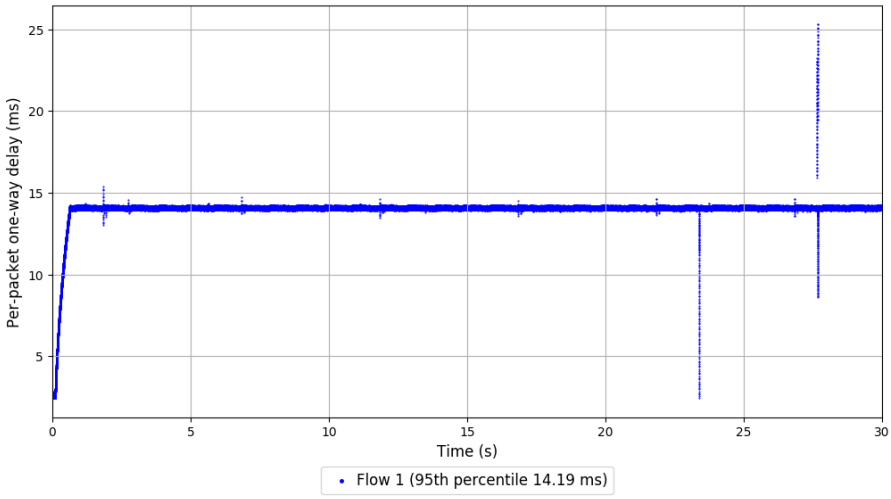
```
Run 6: Statistics of LEDBAT

Start at: 2018-04-03 06:14:50
End at: 2018-04-03 06:15:20
Local clock offset: -6.412 ms
Remote clock offset: -5.828 ms

# Below is generated by plot.py at 2018-04-03 11:21:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 14.190 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 14.190 ms
Loss rate: 0.05%
```

Run 6: Report of LEDBAT — Data Link



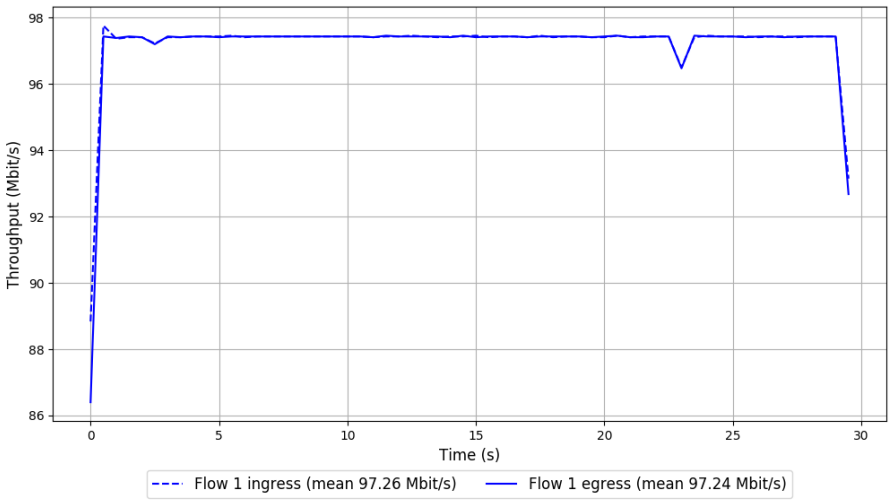


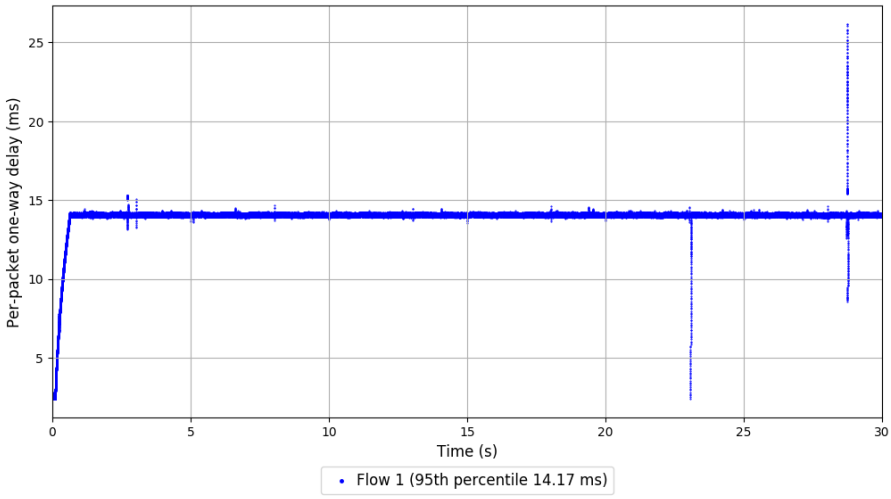
```
Run 7: Statistics of LEDBAT

Start at: 2018-04-03 06:35:13
End at: 2018-04-03 06:35:43
Local clock offset: -6.133 ms
Remote clock offset: -5.783 ms

# Below is generated by plot.py at 2018-04-03 11:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 14.167 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 14.167 ms
Loss rate: 0.06%
```

Run 7: Report of LEDBAT — Data Link



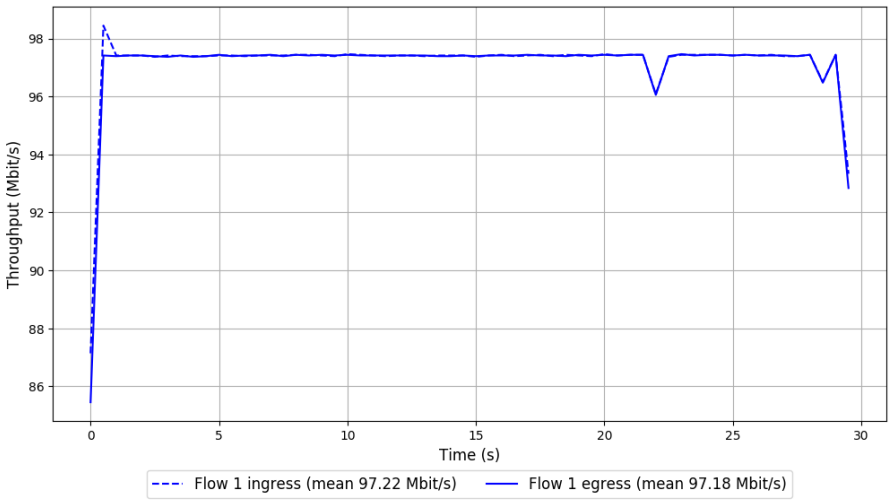


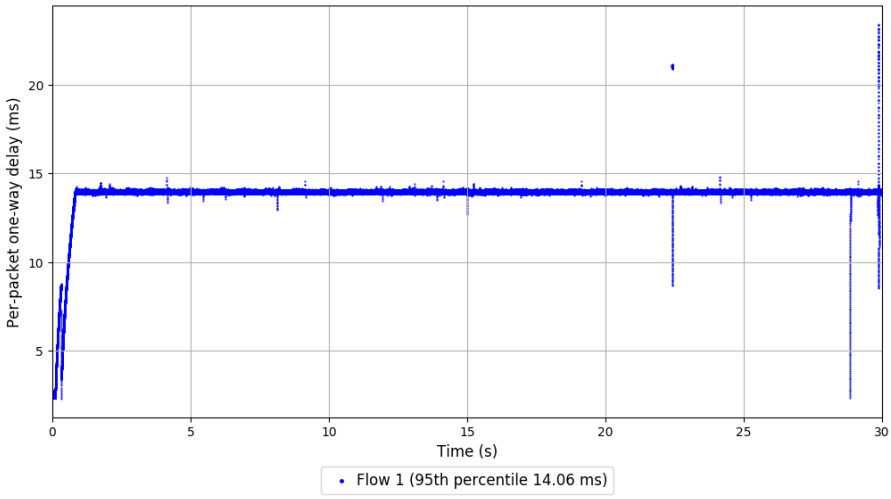
```
Run 8: Statistics of LEDBAT

Start at: 2018-04-03 06:55:35
End at: 2018-04-03 06:56:05
Local clock offset: -6.035 ms
Remote clock offset: -5.731 ms

# Below is generated by plot.py at 2018-04-03 11:21:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 14.064 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 14.064 ms
Loss rate: 0.06%
```

Run 8: Report of LEDBAT — Data Link



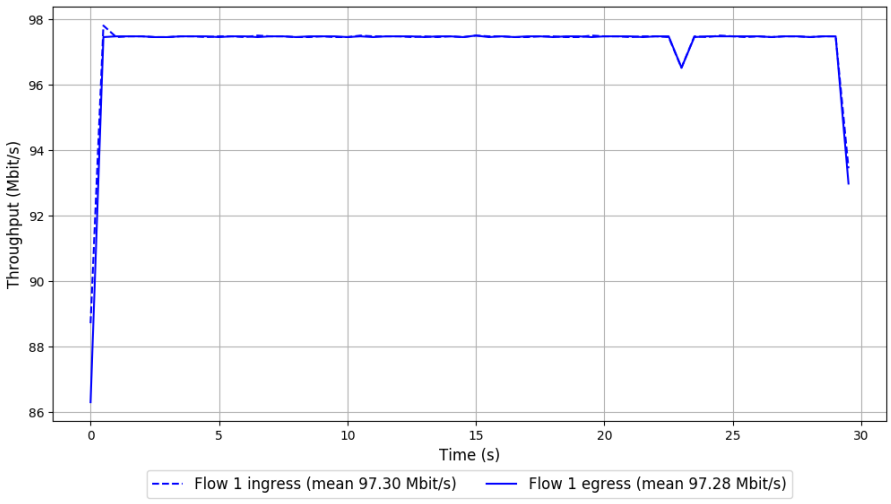


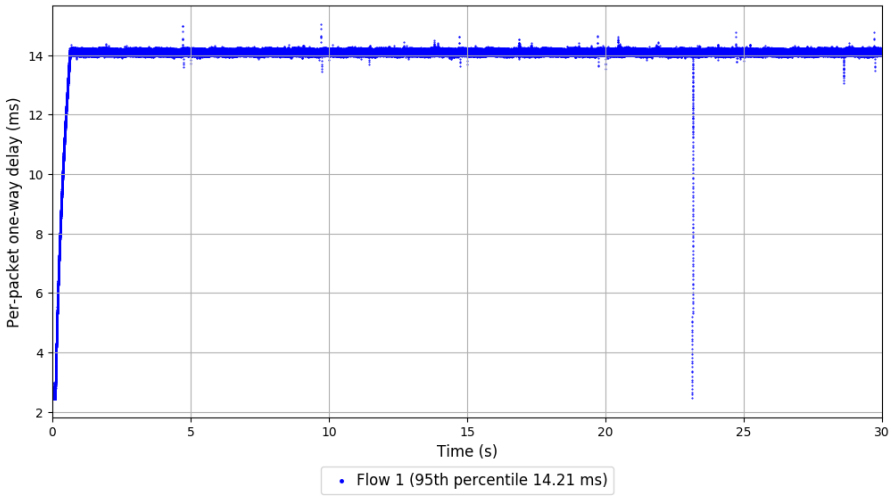
```
Run 9: Statistics of LEDBAT

Start at: 2018-04-03 07:15:59
End at: 2018-04-03 07:16:29
Local clock offset: -7.205 ms
Remote clock offset: -6.354 ms

# Below is generated by plot.py at 2018-04-03 11:21:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.208 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.208 ms
Loss rate: 0.06%
```

Run 9: Report of LEDBAT — Data Link



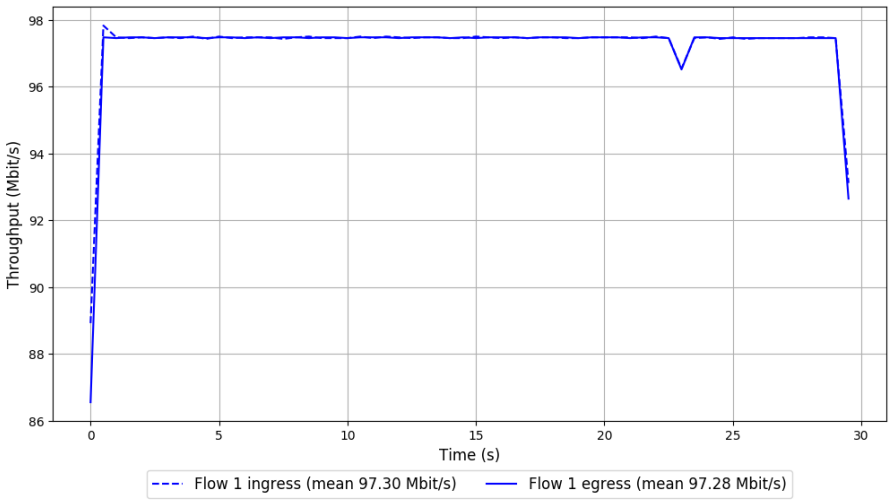


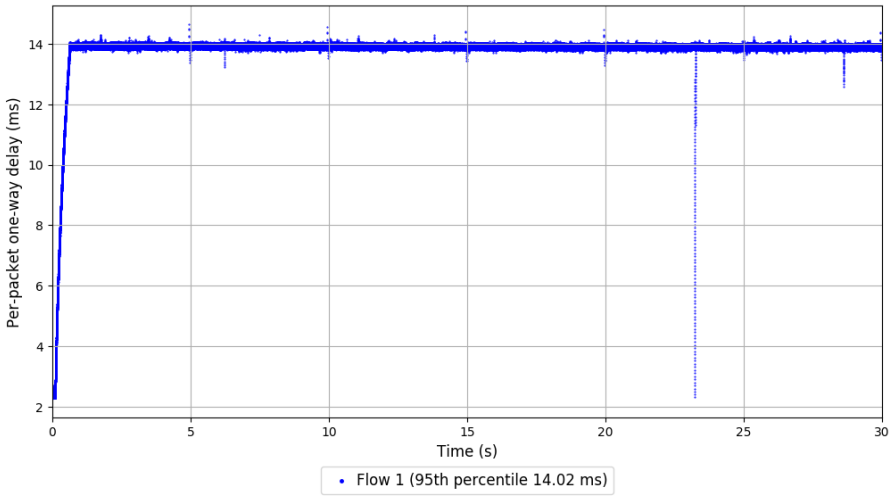
```
Run 10: Statistics of LEDBAT

Start at: 2018-04-03 07:36:22
End at: 2018-04-03 07:36:52
Local clock offset: -7.239 ms
Remote clock offset: -6.63 ms

# Below is generated by plot.py at 2018-04-03 11:21:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.018 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.018 ms
Loss rate: 0.06%
```

Run 10: Report of LEDBAT — Data Link



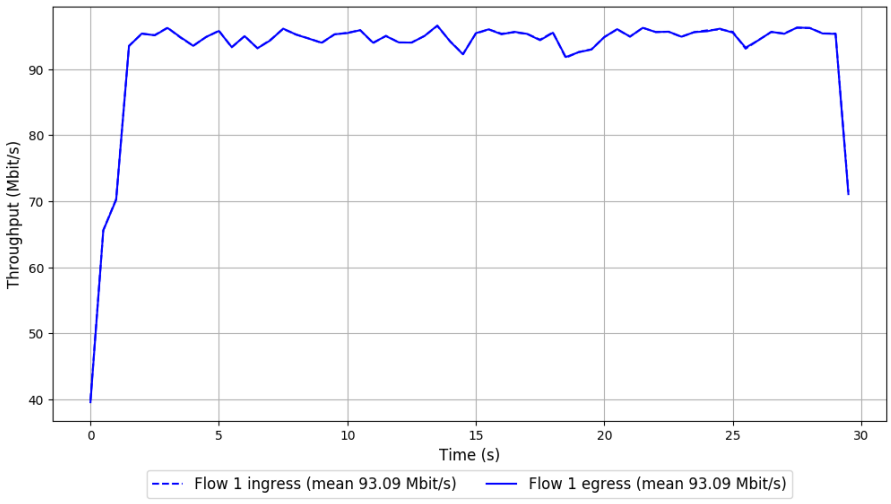


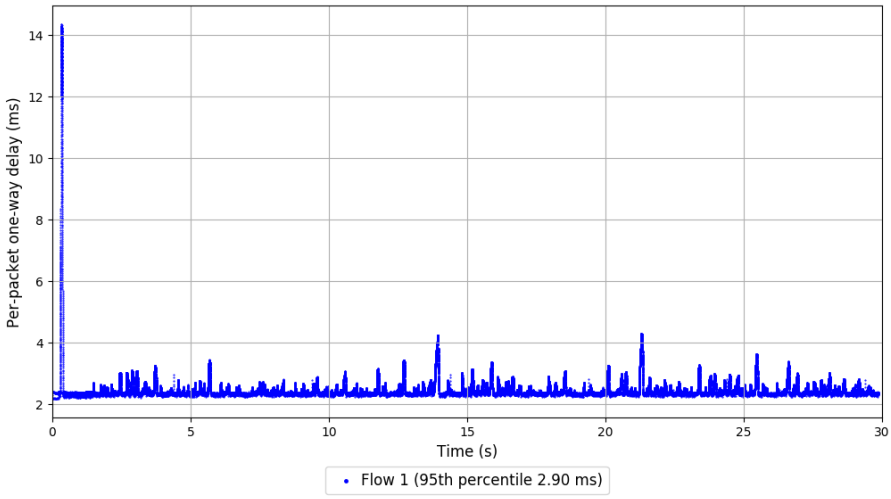
```
Run 1: Statistics of PCC

Start at: 2018-04-03 04:29:32
End at: 2018-04-03 04:30:02
Local clock offset: -5.902 ms
Remote clock offset: -5.908 ms

# Below is generated by plot.py at 2018-04-03 11:21:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 2.904 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 2.904 ms
Loss rate: 0.01%
```

Run 1: Report of PCC — Data Link



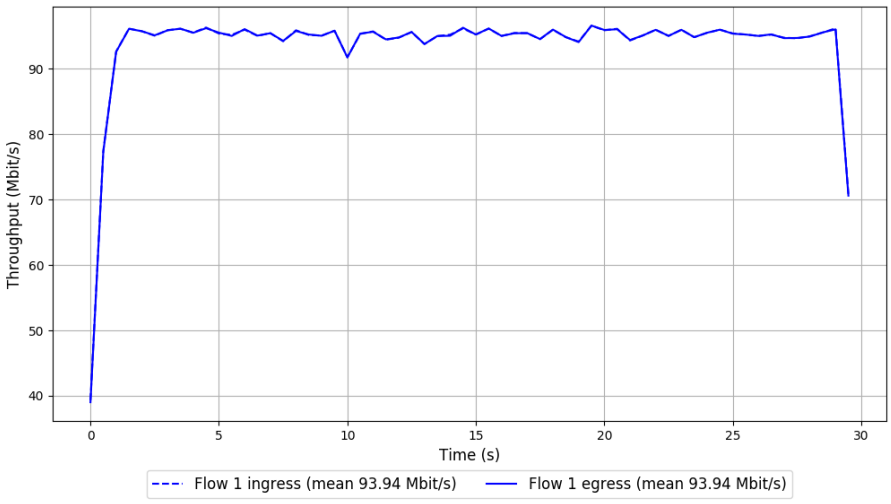


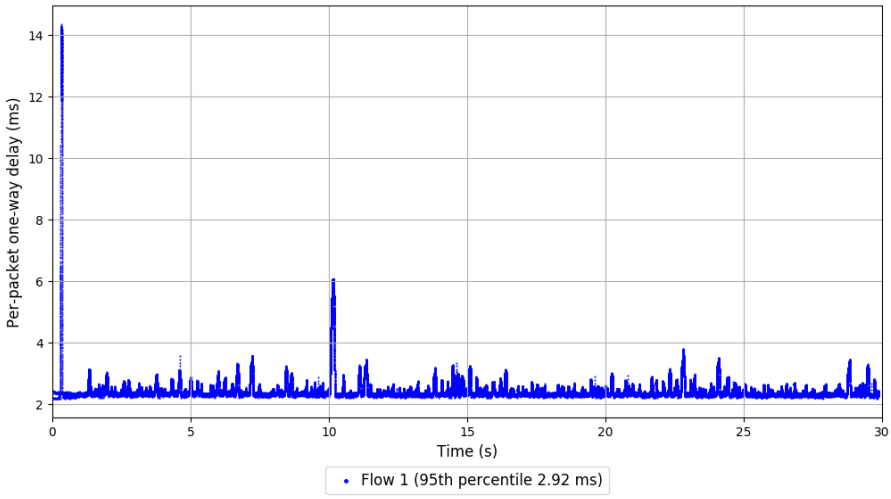
```
Run 2: Statistics of PCC

Start at: 2018-04-03 04:49:55
End at: 2018-04-03 04:50:25
Local clock offset: -5.728 ms
Remote clock offset: -5.748 ms

# Below is generated by plot.py at 2018-04-03 11:21:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 0.02%
```

Run 2: Report of PCC — Data Link



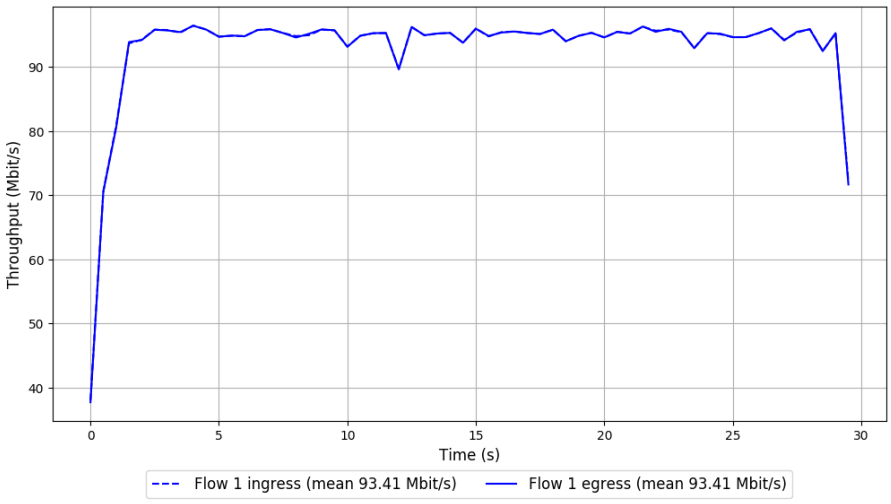


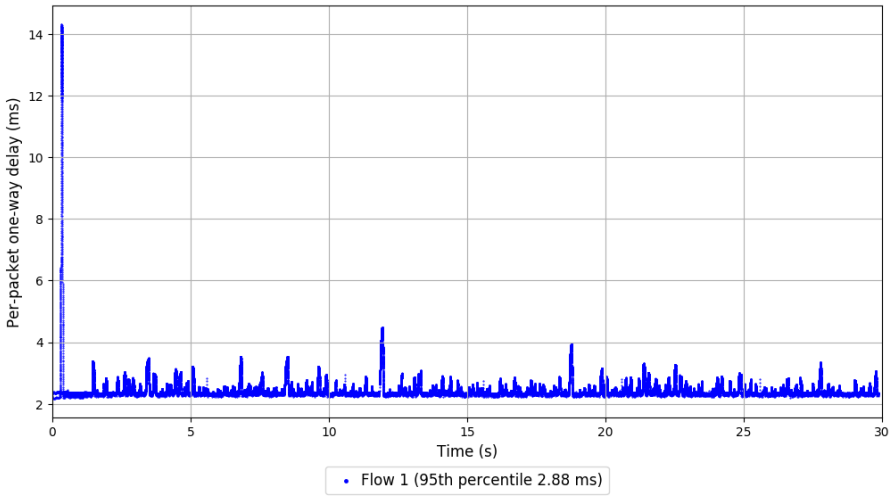
```
Run 3: Statistics of PCC

Start at: 2018-04-03 05:10:18
End at: 2018-04-03 05:10:48
Local clock offset: -5.579 ms
Remote clock offset: -5.965 ms

# Below is generated by plot.py at 2018-04-03 11:22:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 2.883 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 2.883 ms
Loss rate: 0.02%
```

Run 3: Report of PCC — Data Link



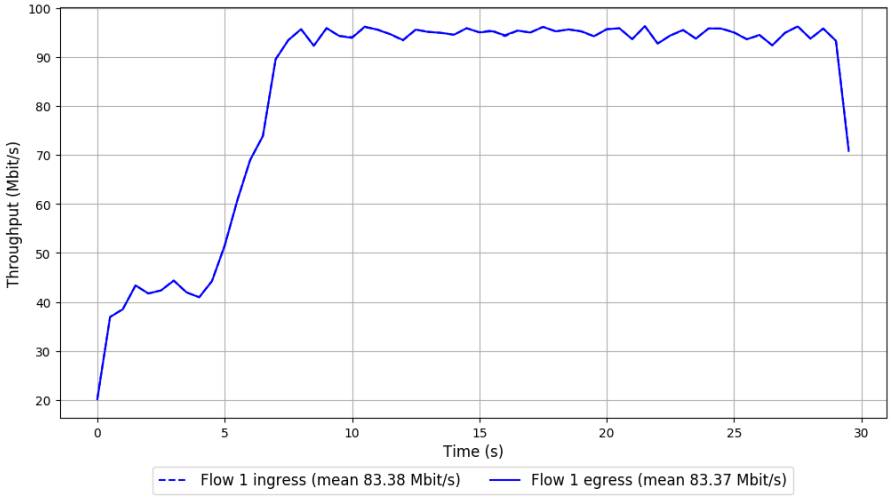


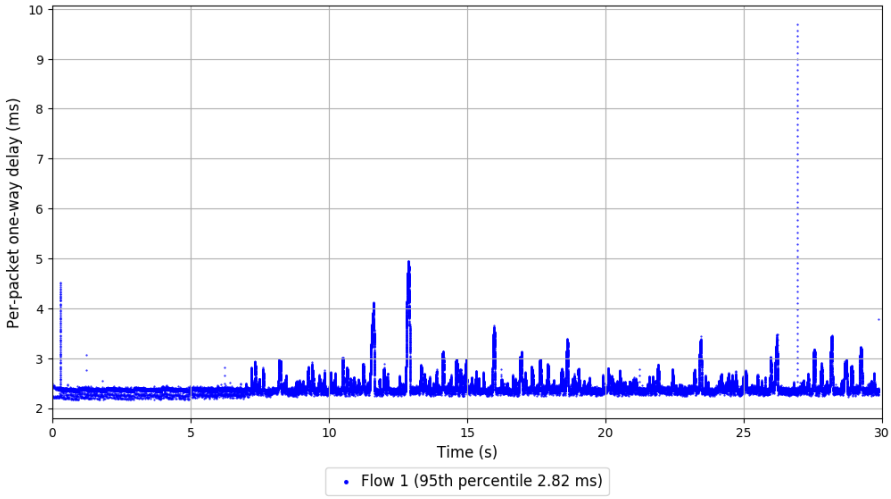
```
Run 4: Statistics of PCC

Start at: 2018-04-03 05:30:42
End at: 2018-04-03 05:31:12
Local clock offset: -5.819 ms
Remote clock offset: -5.922 ms

# Below is generated by plot.py at 2018-04-03 11:22:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 2.820 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 2.820 ms
Loss rate: 0.02%
```

Run 4: Report of PCC — Data Link



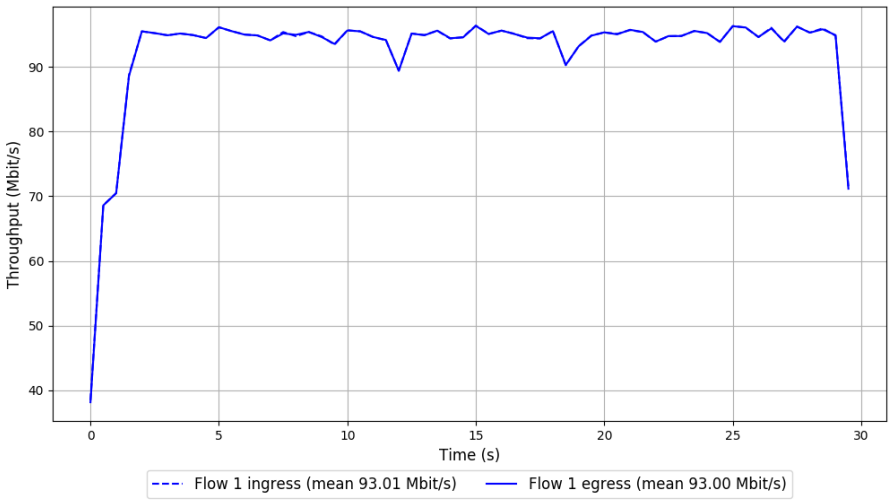


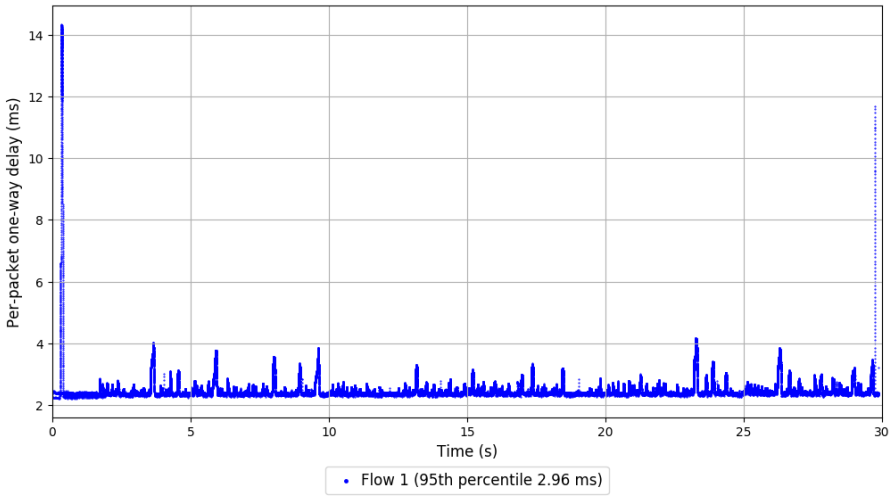
```
Run 5: Statistics of PCC

Start at: 2018-04-03 05:51:04
End at: 2018-04-03 05:51:34
Local clock offset: -5.841 ms
Remote clock offset: -5.714 ms

# Below is generated by plot.py at 2018-04-03 11:22:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 2.961 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 2.961 ms
Loss rate: 0.02%
```

Run 5: Report of PCC — Data Link



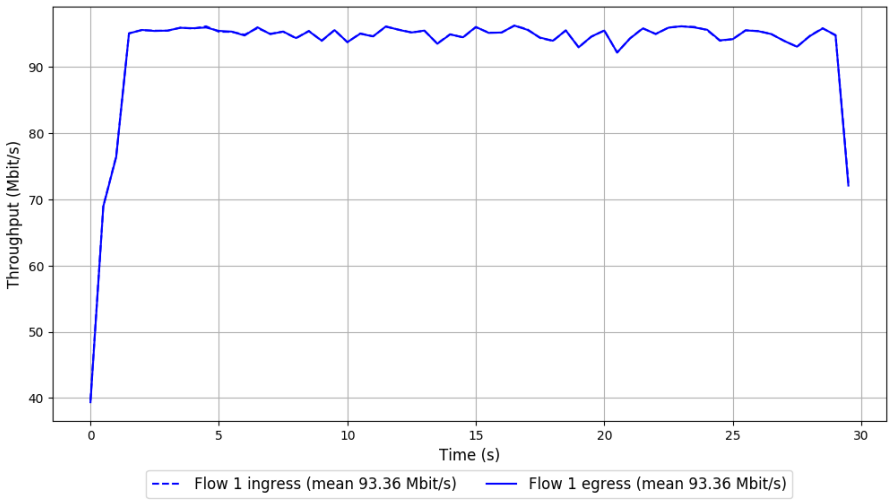


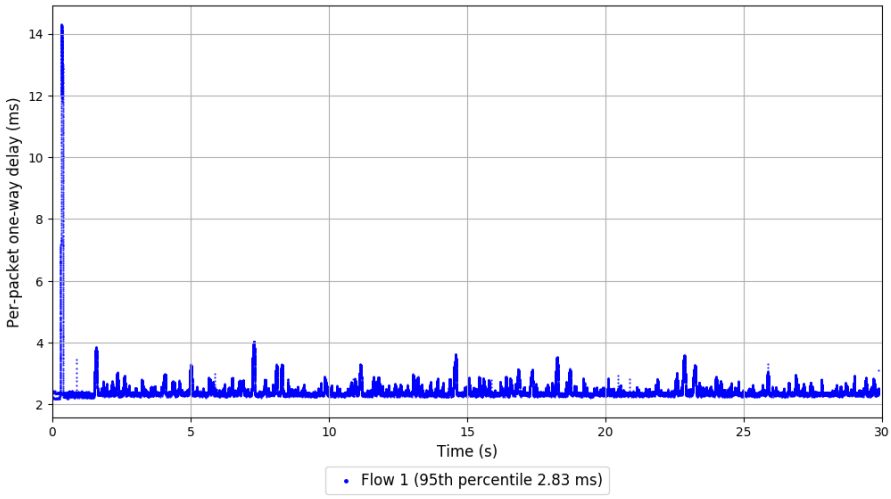
```
Run 6: Statistics of PCC

Start at: 2018-04-03 06:11:26
End at: 2018-04-03 06:11:56
Local clock offset: -6.355 ms
Remote clock offset: -5.744 ms

# Below is generated by plot.py at 2018-04-03 11:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 2.832 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 2.832 ms
Loss rate: 0.02%
```

Run 6: Report of PCC — Data Link



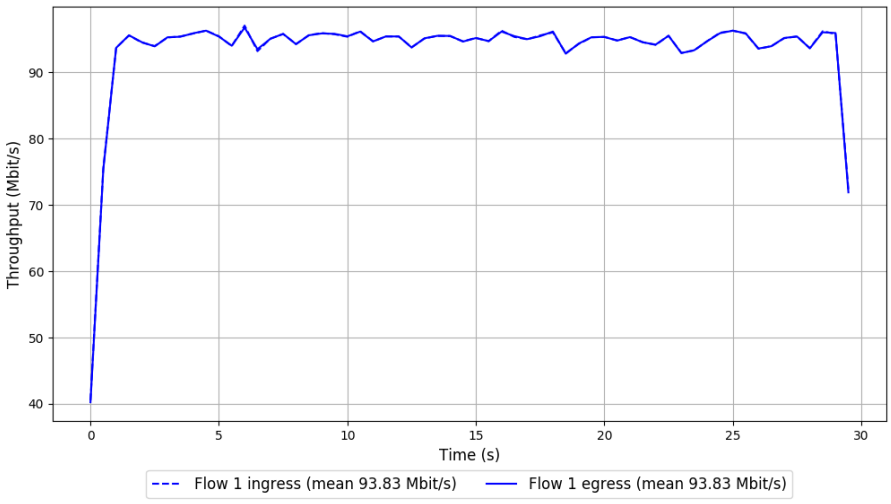


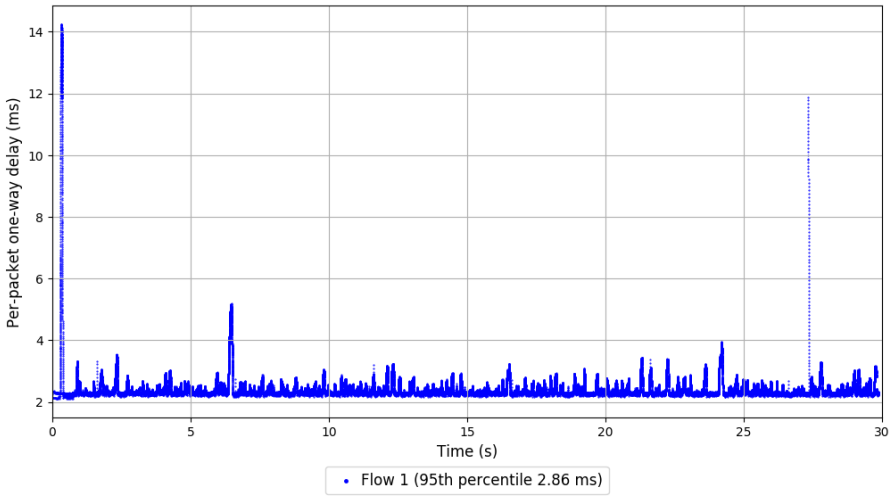
```
Run 7: Statistics of PCC

Start at: 2018-04-03 06:31:49
End at: 2018-04-03 06:32:19
Local clock offset: -6.265 ms
Remote clock offset: -5.723 ms

# Below is generated by plot.py at 2018-04-03 11:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 2.856 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 2.856 ms
Loss rate: 0.02%
```

Run 7: Report of PCC — Data Link



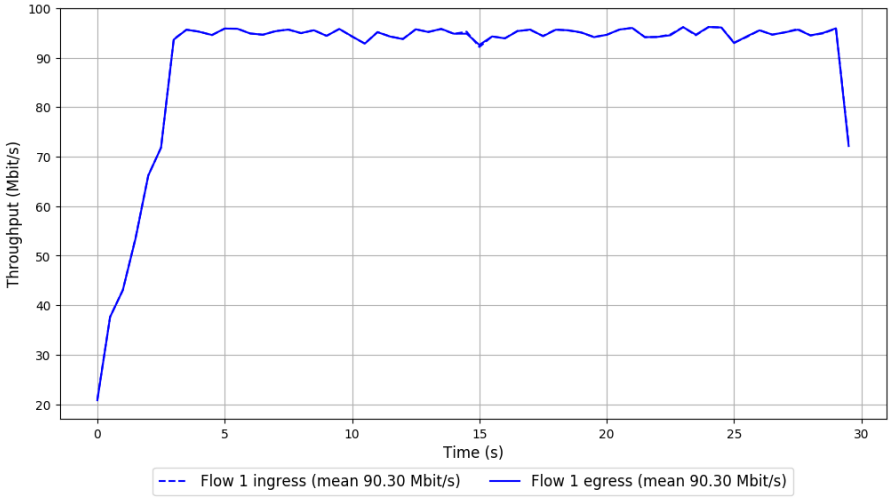


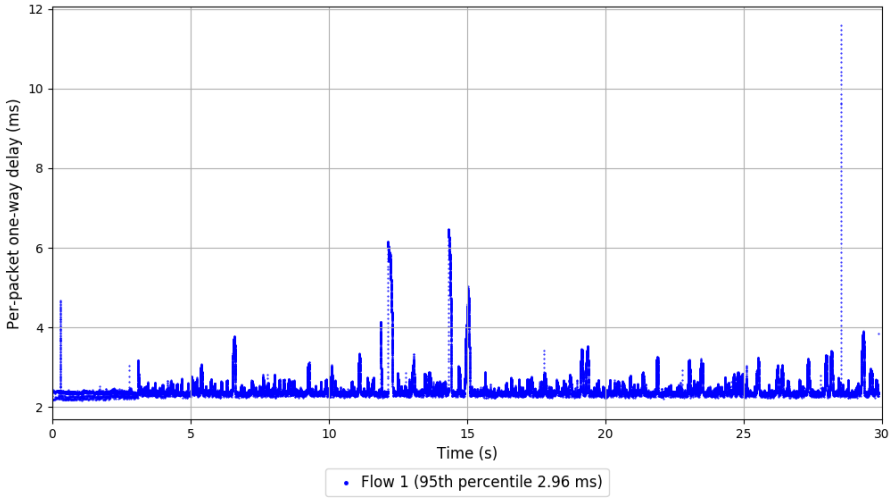
```
Run 8: Statistics of PCC

Start at: 2018-04-03 06:52:12
End at: 2018-04-03 06:52:42
Local clock offset: -5.974 ms
Remote clock offset: -5.672 ms

# Below is generated by plot.py at 2018-04-03 11:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 2.956 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 2.956 ms
Loss rate: 0.02%
```

Run 8: Report of PCC — Data Link



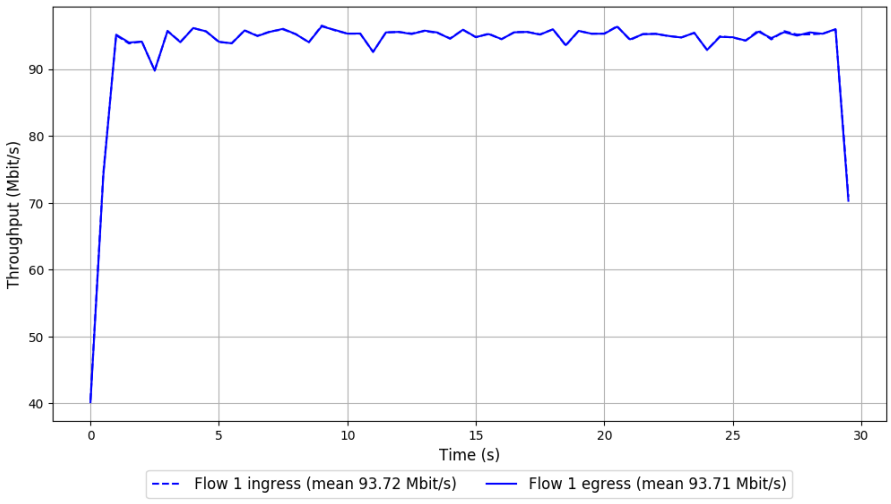


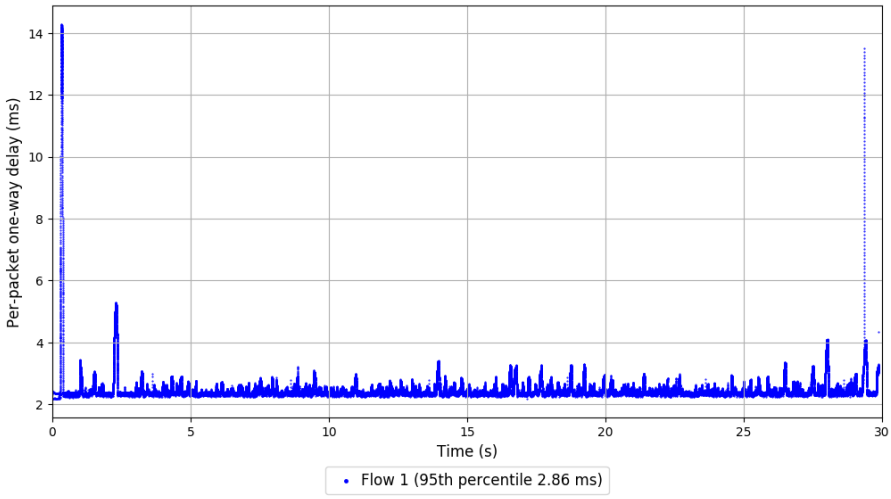
```
Run 9: Statistics of PCC

Start at: 2018-04-03 07:12:35
End at: 2018-04-03 07:13:05
Local clock offset: -7.111 ms
Remote clock offset: -6.177 ms

# Below is generated by plot.py at 2018-04-03 11:22:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 2.864 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 2.864 ms
Loss rate: 0.02%
```

Run 9: Report of PCC — Data Link



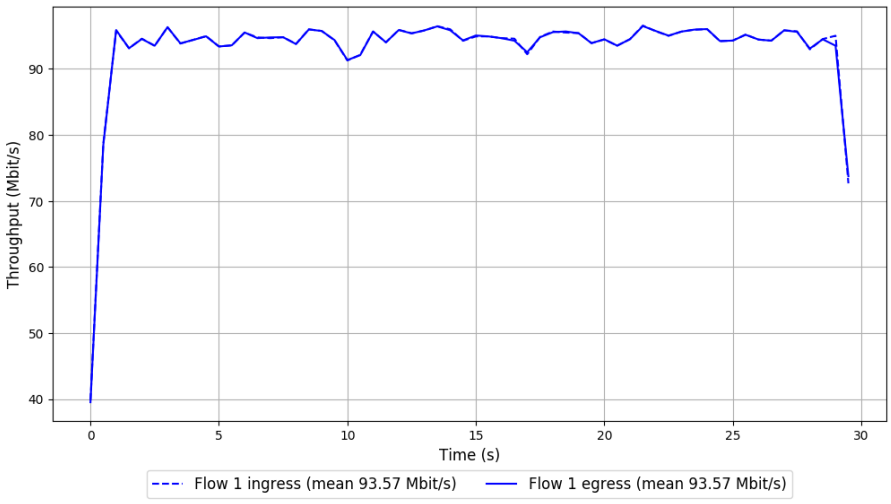


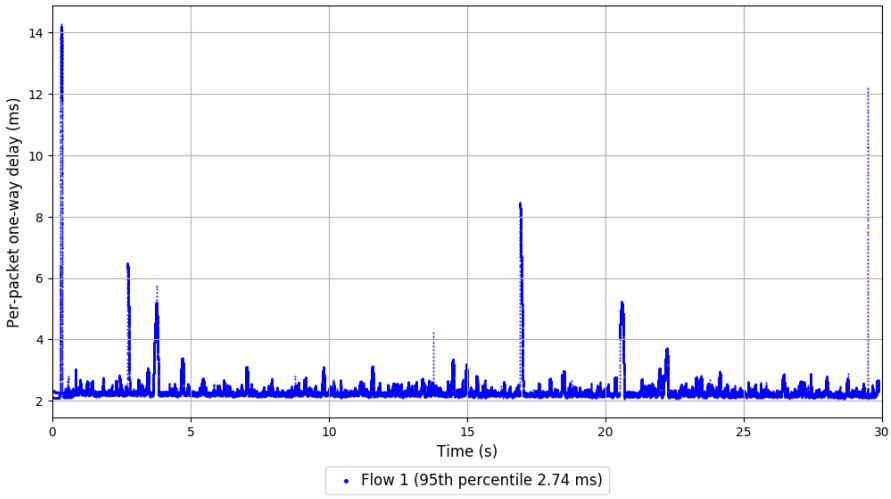
```
Run 10: Statistics of PCC

Start at: 2018-04-03 07:32:59
End at: 2018-04-03 07:33:29
Local clock offset: -7.594 ms
Remote clock offset: -6.589 ms

# Below is generated by plot.py at 2018-04-03 11:22:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 2.736 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 2.736 ms
Loss rate: 0.02%
```

Run 10: Report of PCC — Data Link



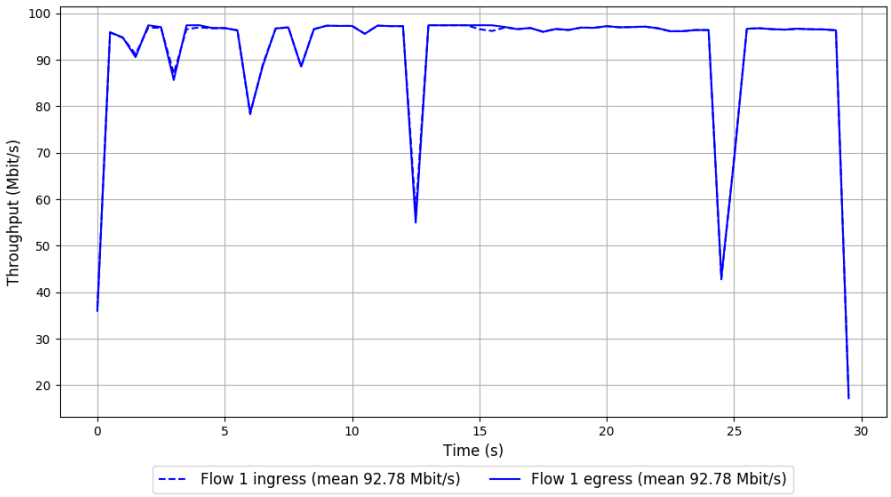


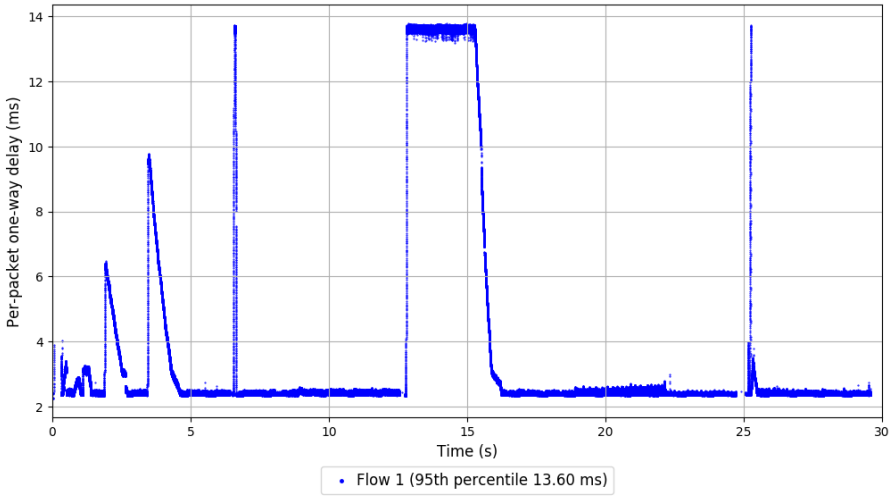
```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 04:28:24
End at: 2018-04-03 04:28:54
Local clock offset: -5.923 ms
Remote clock offset: -5.967 ms

# Below is generated by plot.py at 2018-04-03 11:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 13.597 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 13.597 ms
Loss rate: 0.02%
```

Run 1: Report of QUIC Cubic — Data Link



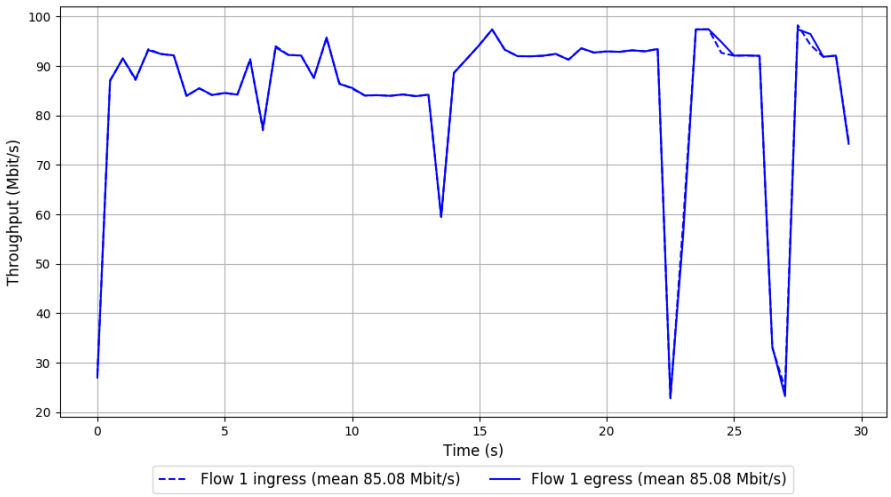


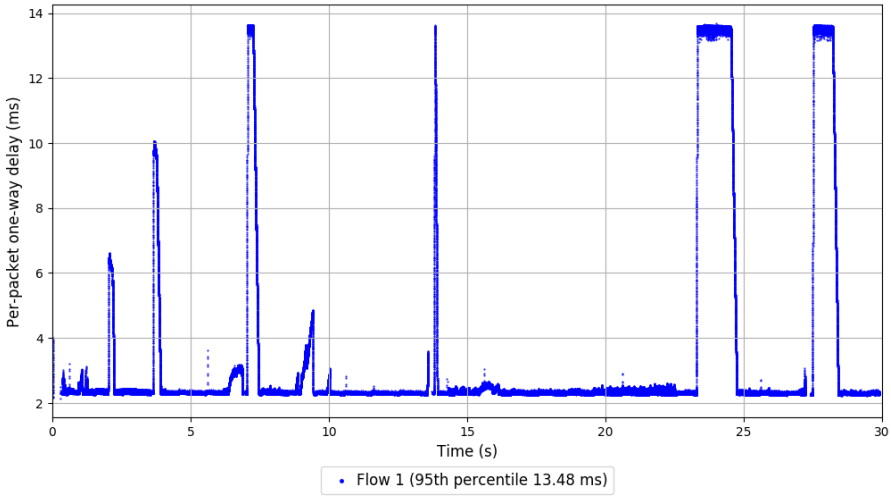
```
Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 04:48:48
End at: 2018-04-03 04:49:18
Local clock offset: -5.777 ms
Remote clock offset: -5.688 ms

# Below is generated by plot.py at 2018-04-03 11:24:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.08 Mbit/s
95th percentile per-packet one-way delay: 13.476 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.08 Mbit/s
95th percentile per-packet one-way delay: 13.476 ms
Loss rate: 0.02%
```

Run 2: Report of QUIC Cubic — Data Link



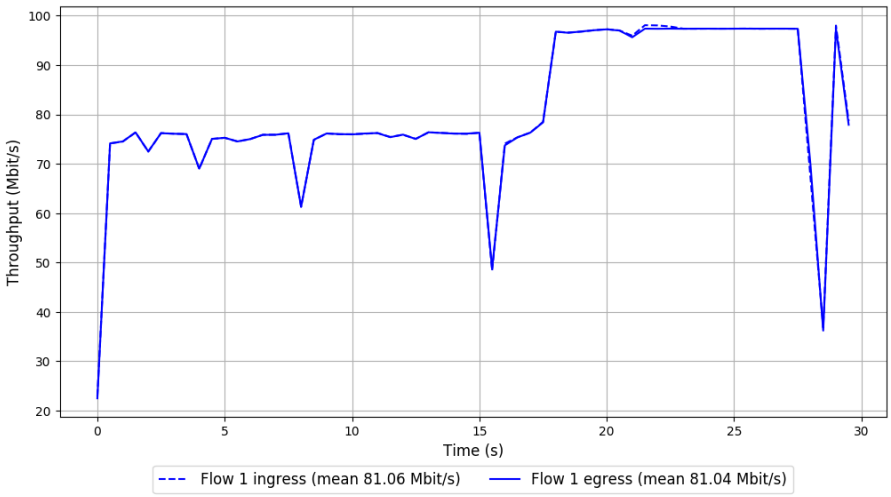


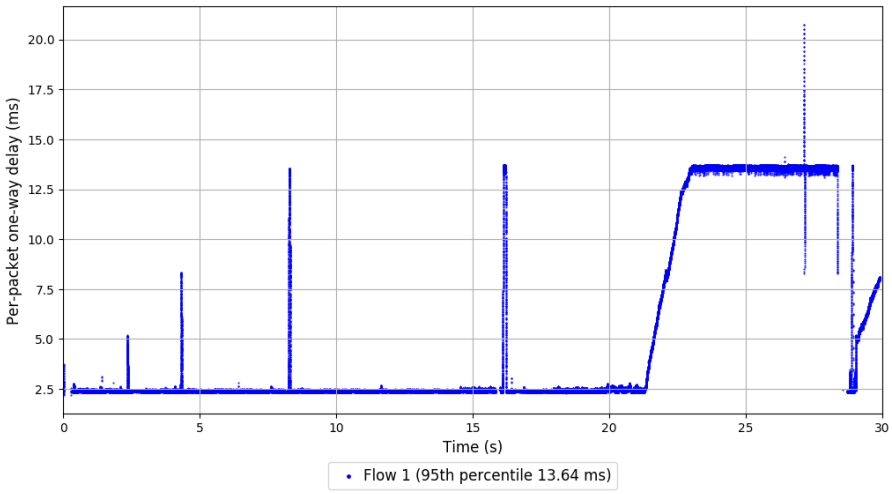
```
Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 05:09:11
End at: 2018-04-03 05:09:41
Local clock offset: -5.592 ms
Remote clock offset: -5.972 ms

# Below is generated by plot.py at 2018-04-03 11:24:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.04 Mbit/s
95th percentile per-packet one-way delay: 13.639 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 81.04 Mbit/s
95th percentile per-packet one-way delay: 13.639 ms
Loss rate: 0.04%
```

Run 3: Report of QUIC Cubic — Data Link



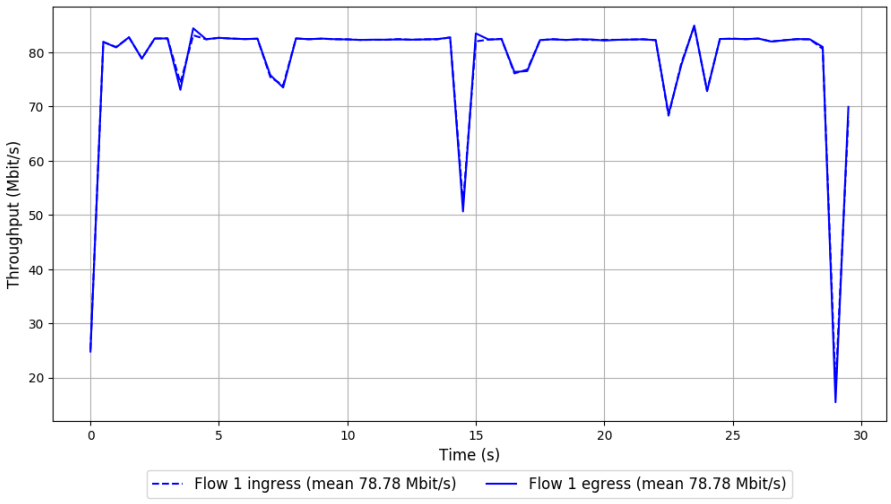


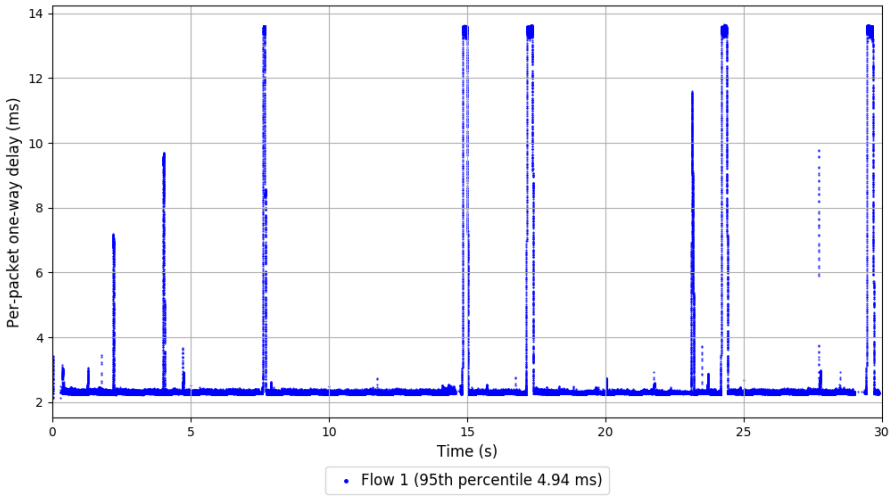
```
Run 4: Statistics of QUIC Cubic

Start at: 2018-04-03 05:29:34
End at: 2018-04-03 05:30:04
Local clock offset: -5.811 ms
Remote clock offset: -5.821 ms

# Below is generated by plot.py at 2018-04-03 11:24:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.02%
```

Run 4: Report of QUIC Cubic — Data Link



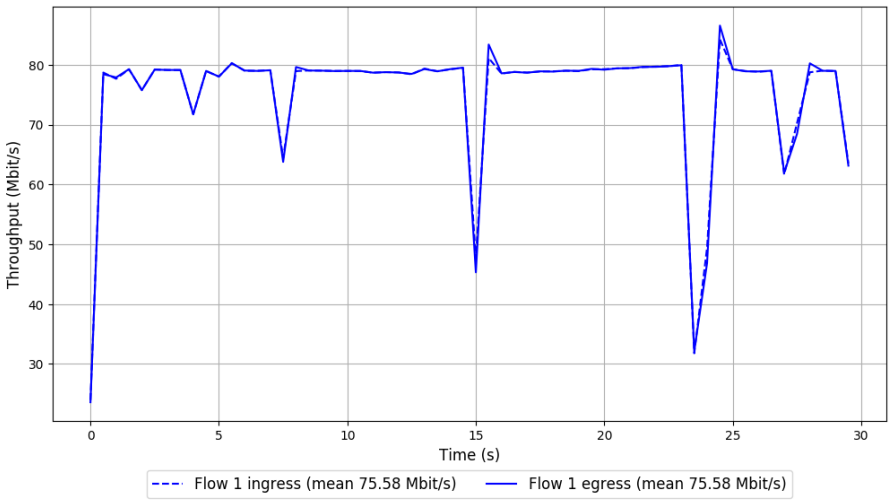


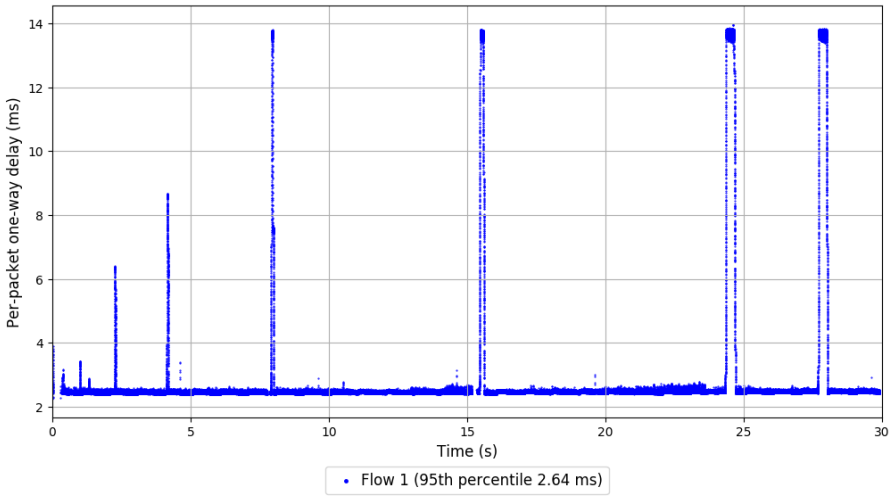
```
Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 05:49:57
End at: 2018-04-03 05:50:27
Local clock offset: -5.782 ms
Remote clock offset: -5.777 ms

# Below is generated by plot.py at 2018-04-03 11:24:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 2.643 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 2.643 ms
Loss rate: 0.02%
```

Run 5: Report of QUIC Cubic — Data Link



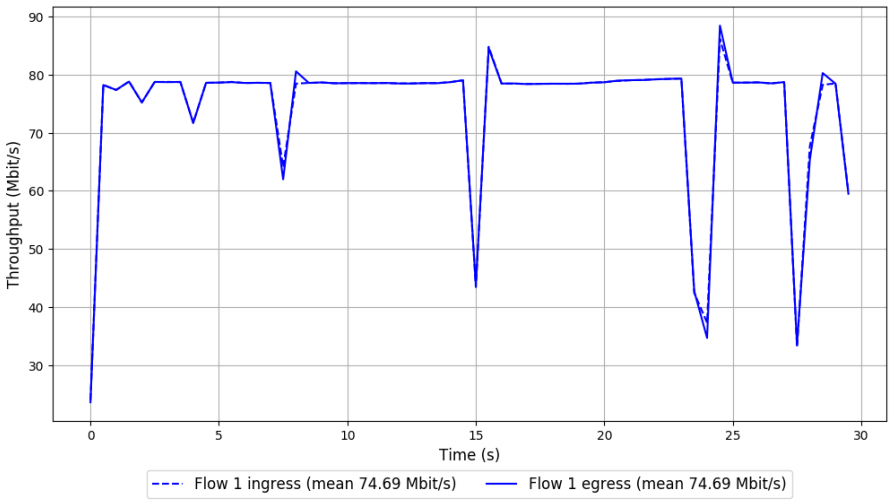


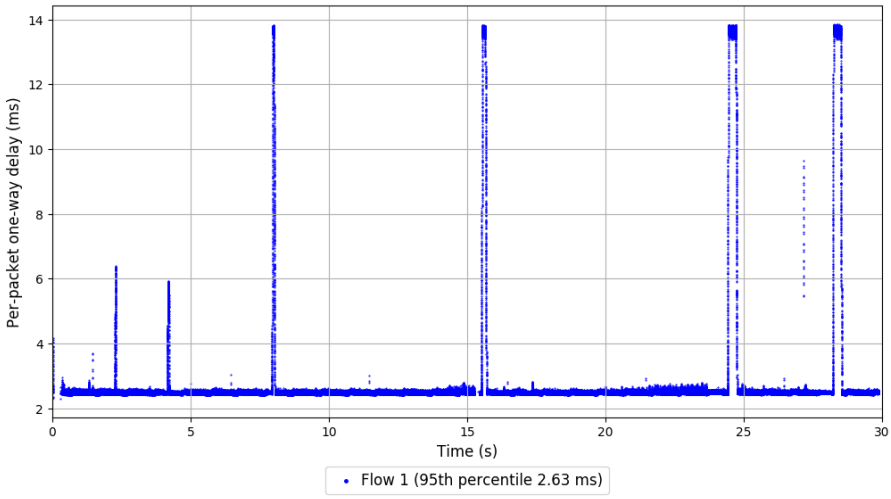
```
Run 6: Statistics of QUIC Cubic

Start at: 2018-04-03 06:10:19
End at: 2018-04-03 06:10:49
Local clock offset: -6.336 ms
Remote clock offset: -5.83 ms

# Below is generated by plot.py at 2018-04-03 11:24:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 2.630 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 2.630 ms
Loss rate: 0.02%
```

Run 6: Report of QUIC Cubic — Data Link



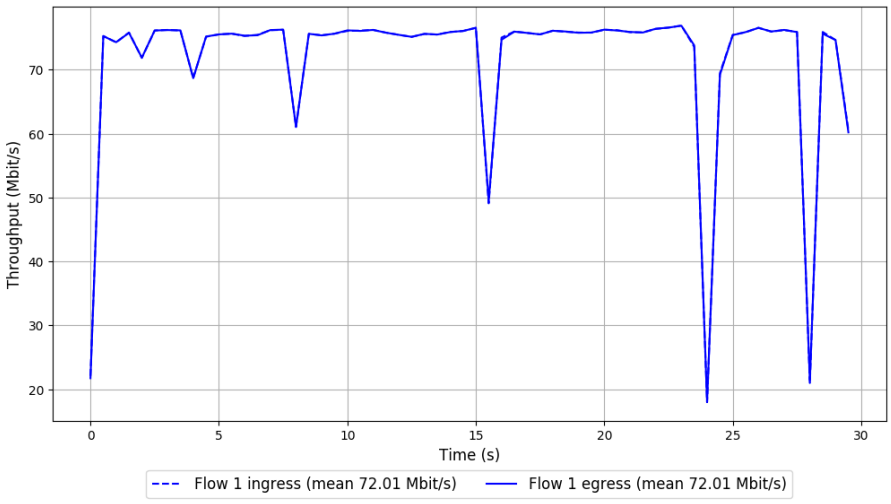


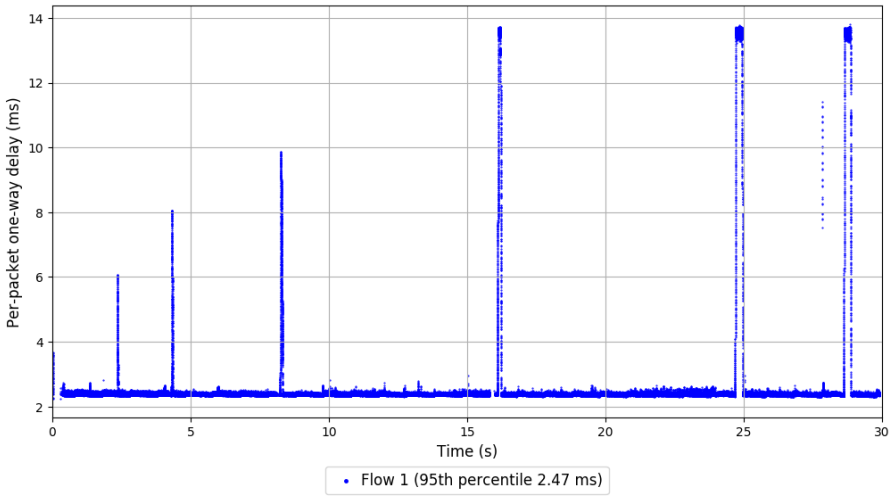
```
Run 7: Statistics of QUIC Cubic

Start at: 2018-04-03 06:30:42
End at: 2018-04-03 06:31:12
Local clock offset: -6.233 ms
Remote clock offset: -5.705 ms

# Below is generated by plot.py at 2018-04-03 11:24:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.02%
```

Run 7: Report of QUIC Cubic — Data Link



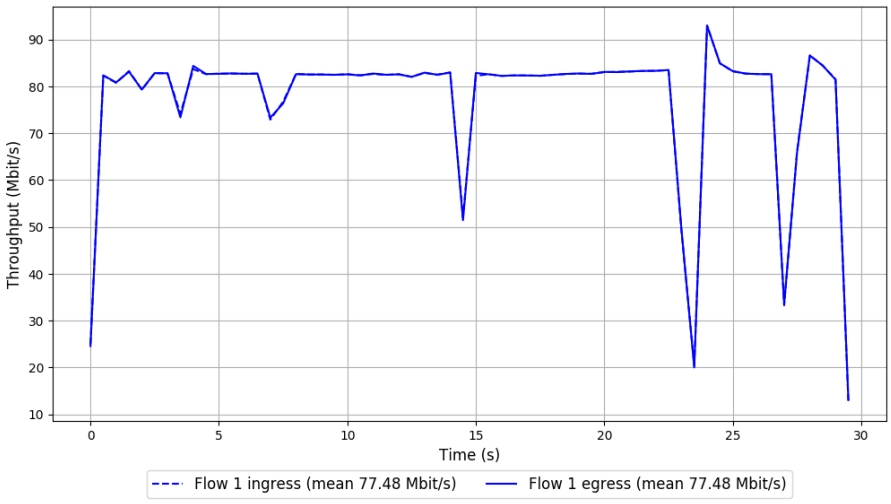


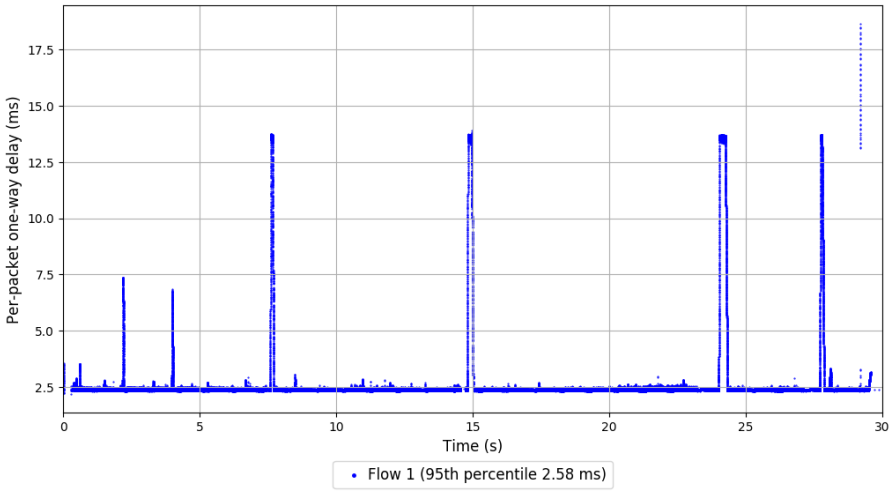
```
Run 8: Statistics of QUIC Cubic

Start at: 2018-04-03 06:51:05
End at: 2018-04-03 06:51:35
Local clock offset: -5.987 ms
Remote clock offset: -5.698 ms

# Below is generated by plot.py at 2018-04-03 11:24:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 2.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 2.579 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link



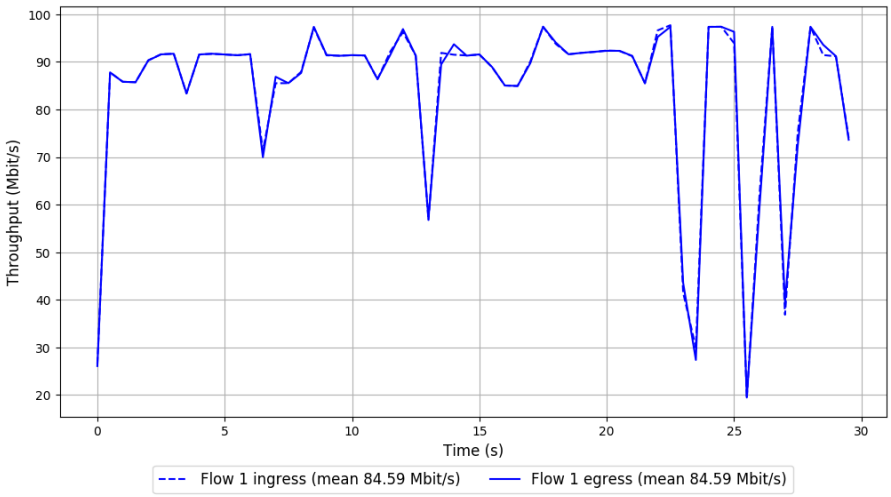


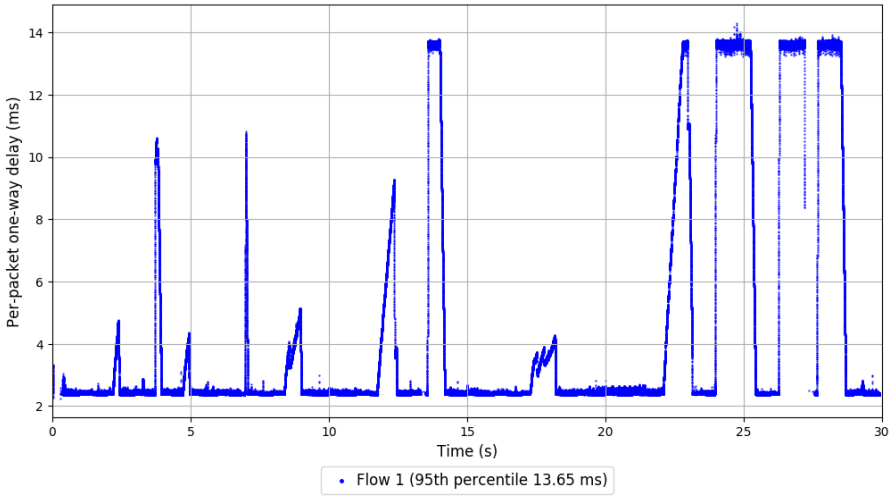
```
Run 9: Statistics of QUIC Cubic

Start at: 2018-04-03 07:11:27
End at: 2018-04-03 07:11:57
Local clock offset: -7.042 ms
Remote clock offset: -6.133 ms

# Below is generated by plot.py at 2018-04-03 11:25:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 13.646 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 13.646 ms
Loss rate: 0.02%
```

Run 9: Report of QUIC Cubic — Data Link



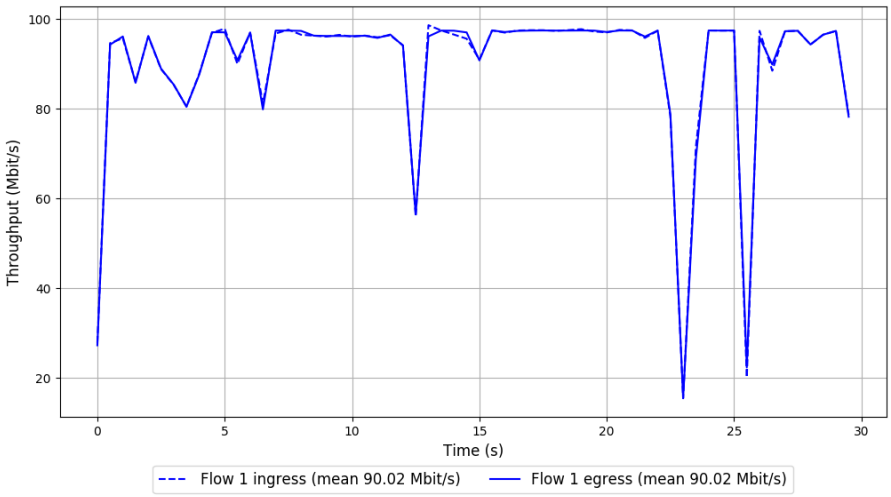


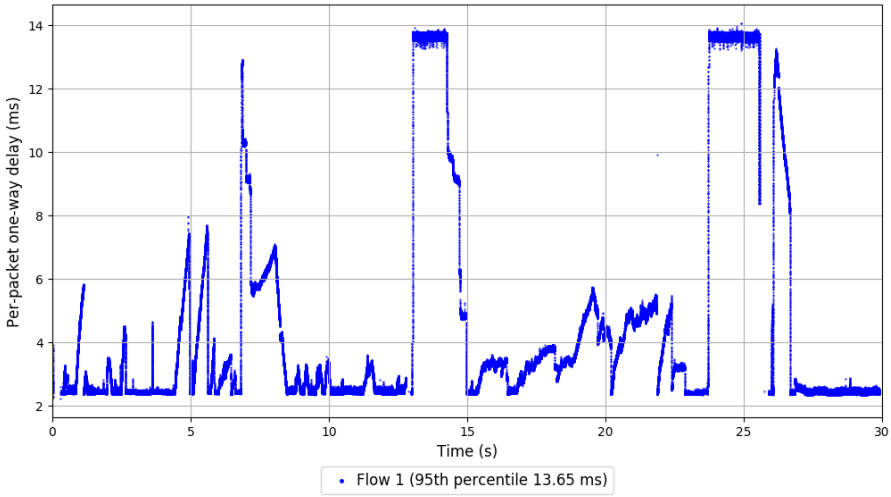
```
Run 10: Statistics of QUIC Cubic

Start at: 2018-04-03 07:31:51
End at: 2018-04-03 07:32:21
Local clock offset: -7.591 ms
Remote clock offset: -6.649 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 13.651 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 13.651 ms
Loss rate: 0.02%
```

Run 10: Report of QUIC Cubic — Data Link



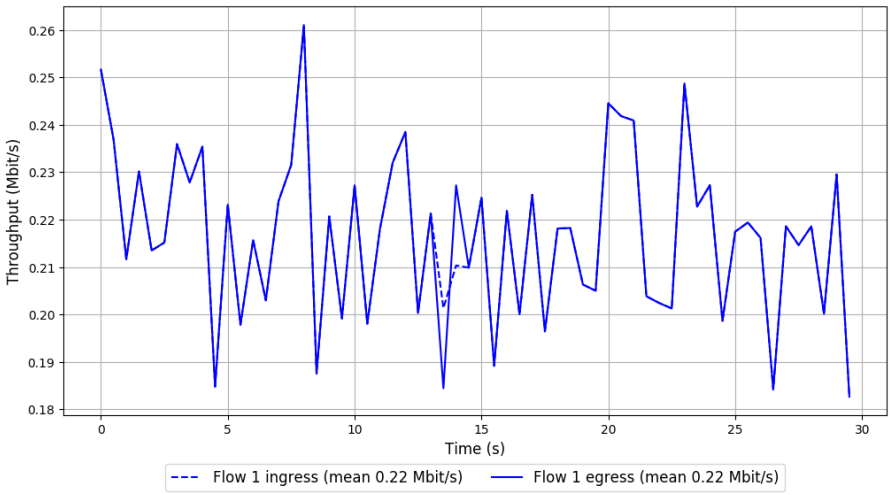


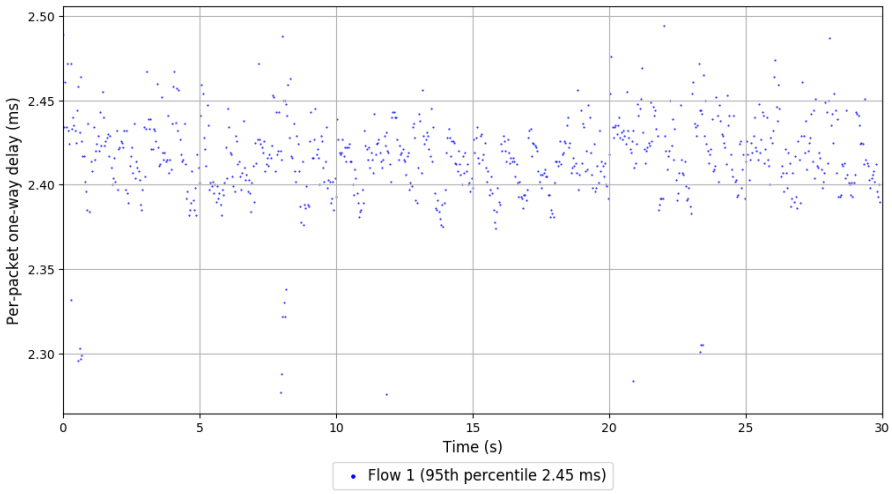
```
Run 1: Statistics of SCReAM

Start at: 2018-04-03 04:27:20
End at: 2018-04-03 04:27:50
Local clock offset: -5.894 ms
Remote clock offset: -5.99 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link



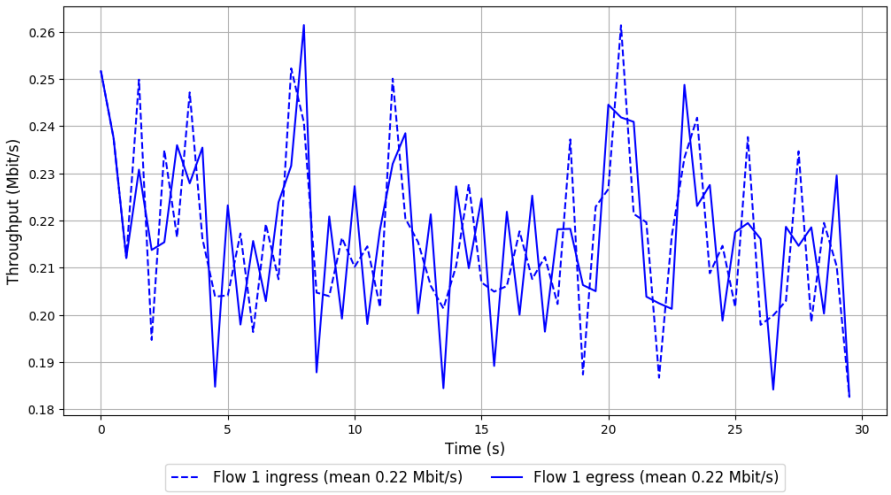


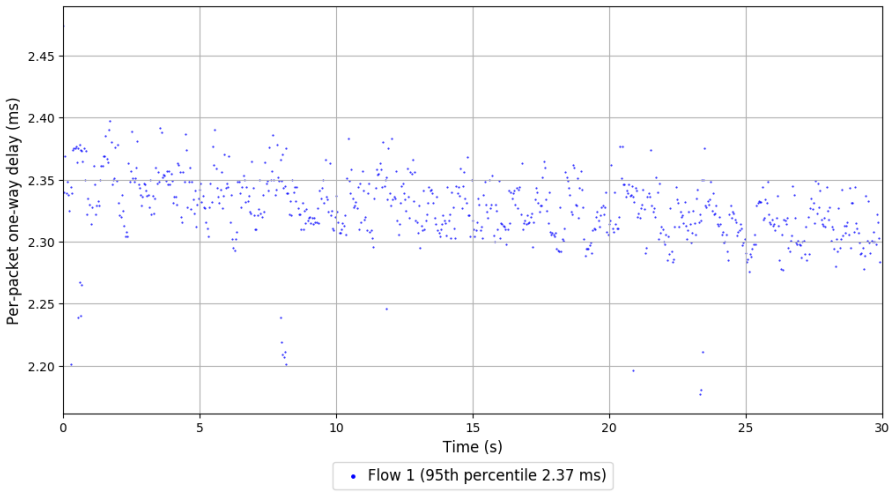
```
Run 2: Statistics of SCReAM

Start at: 2018-04-03 04:47:44
End at: 2018-04-03 04:48:14
Local clock offset: -5.777 ms
Remote clock offset: -5.679 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link



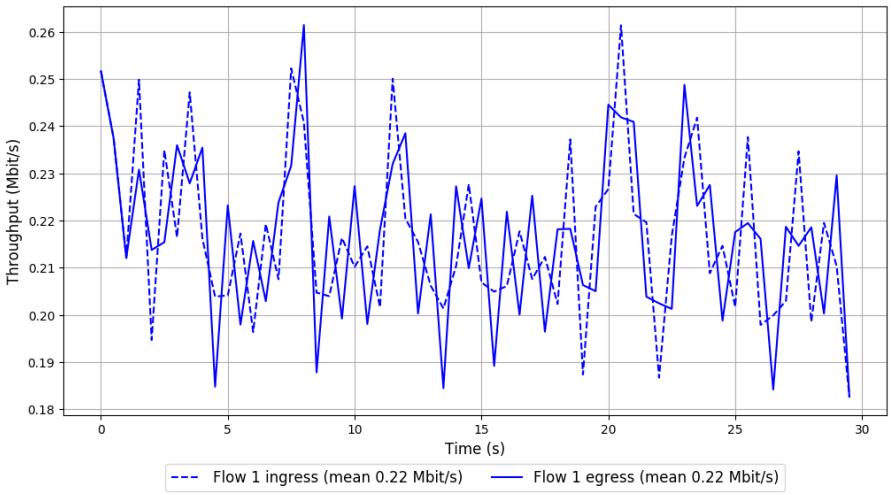


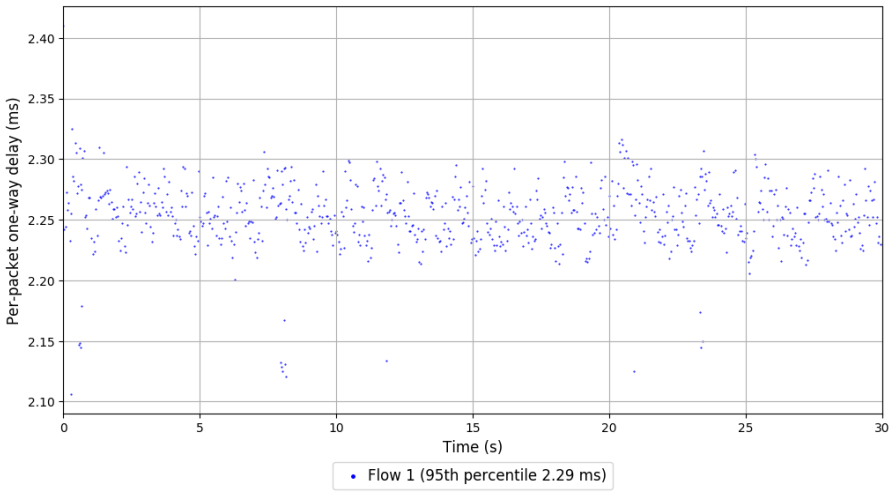
```
Run 3: Statistics of SCReAM

Start at: 2018-04-03 05:08:07
End at: 2018-04-03 05:08:37
Local clock offset: -5.656 ms
Remote clock offset: -5.948 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.292 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link



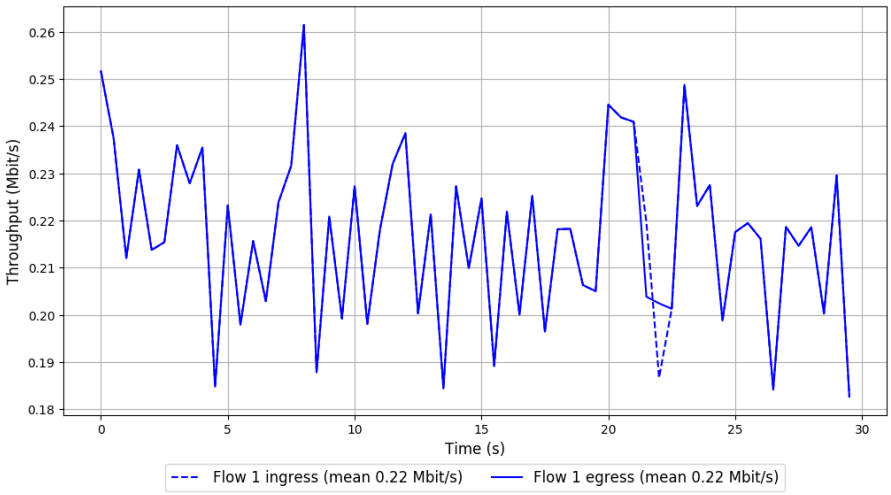


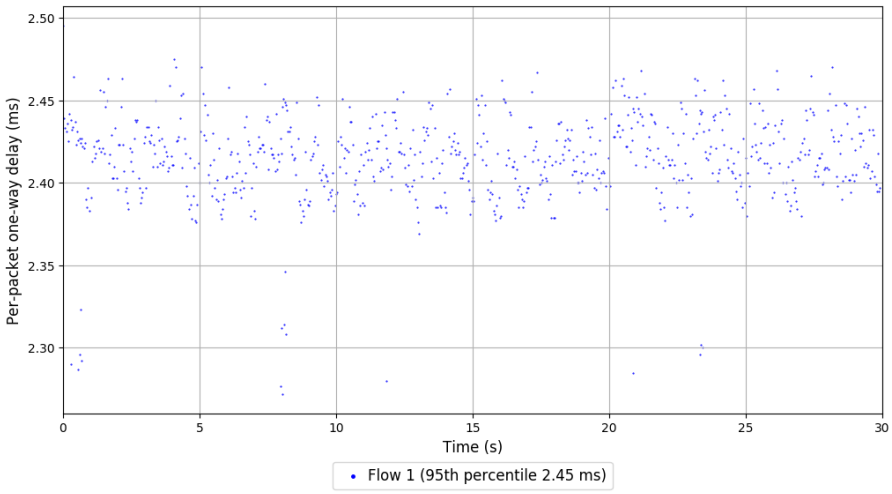
```
Run 4: Statistics of SCReAM

Start at: 2018-04-03 05:28:31
End at: 2018-04-03 05:29:01
Local clock offset: -5.741 ms
Remote clock offset: -5.924 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link



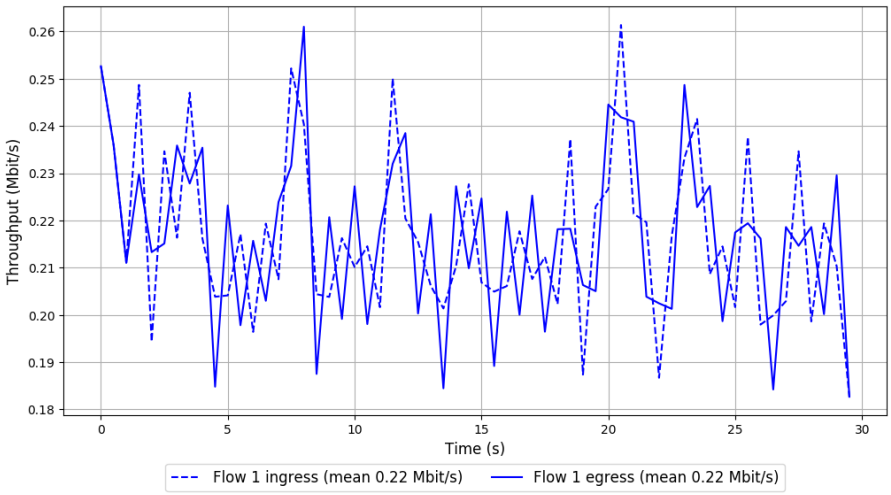


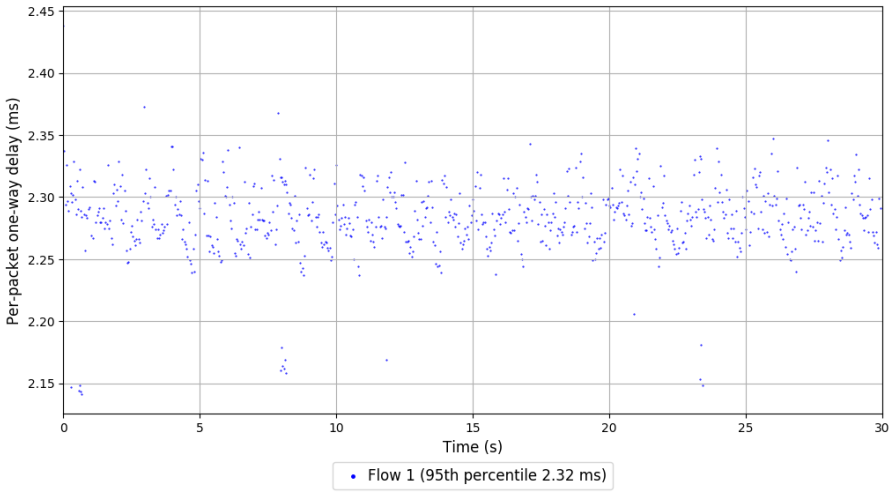
```
Run 5: Statistics of SCReAM

Start at: 2018-04-03 05:48:53
End at: 2018-04-03 05:49:23
Local clock offset: -5.84 ms
Remote clock offset: -5.726 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



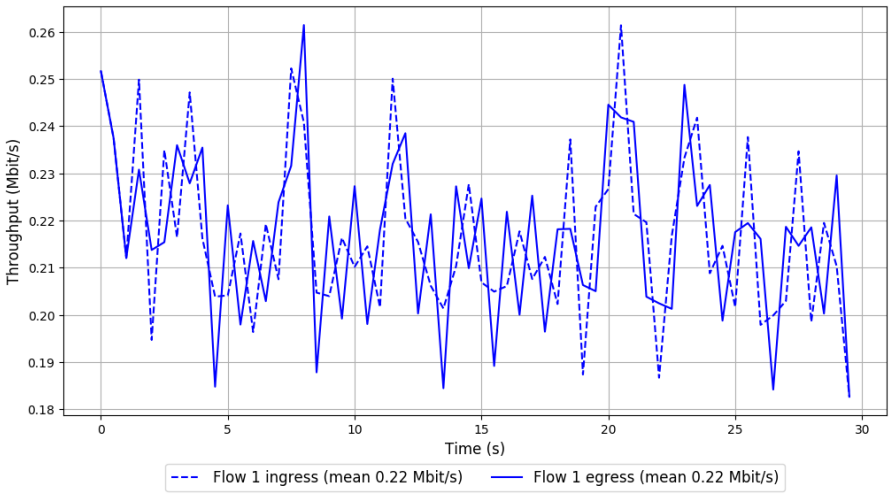


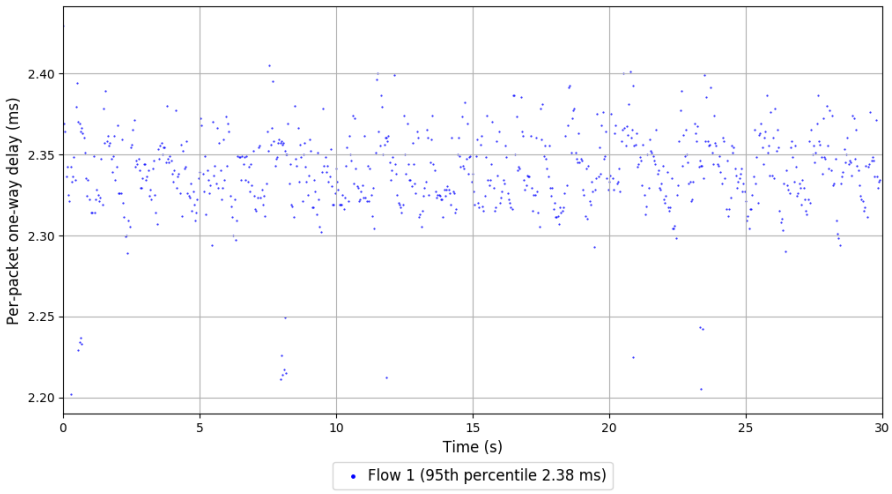
```
Run 6: Statistics of SCReAM

Start at: 2018-04-03 06:09:15
End at: 2018-04-03 06:09:45
Local clock offset: -6.362 ms
Remote clock offset: -5.766 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



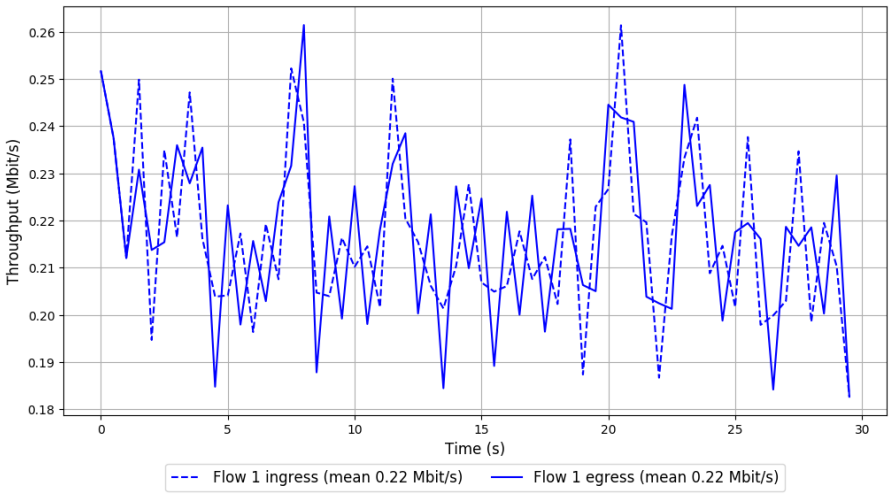


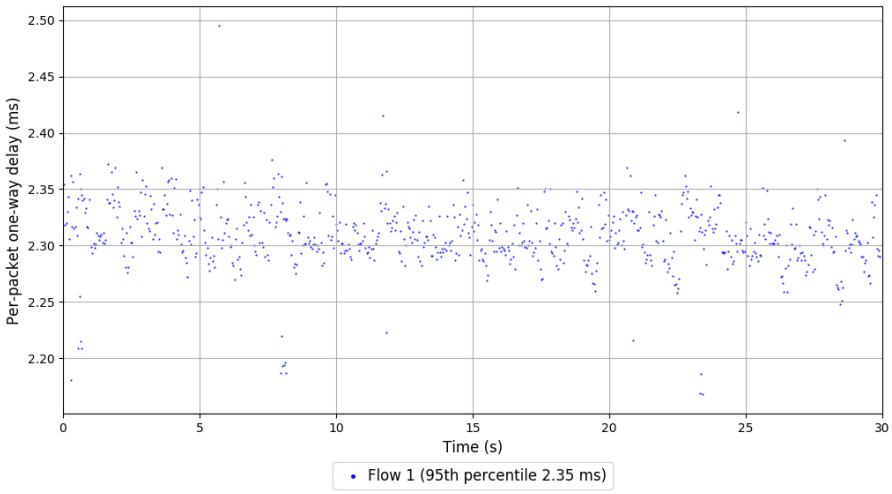
```
Run 7: Statistics of SCReAM

Start at: 2018-04-03 06:29:38
End at: 2018-04-03 06:30:08
Local clock offset: -6.294 ms
Remote clock offset: -5.71 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link



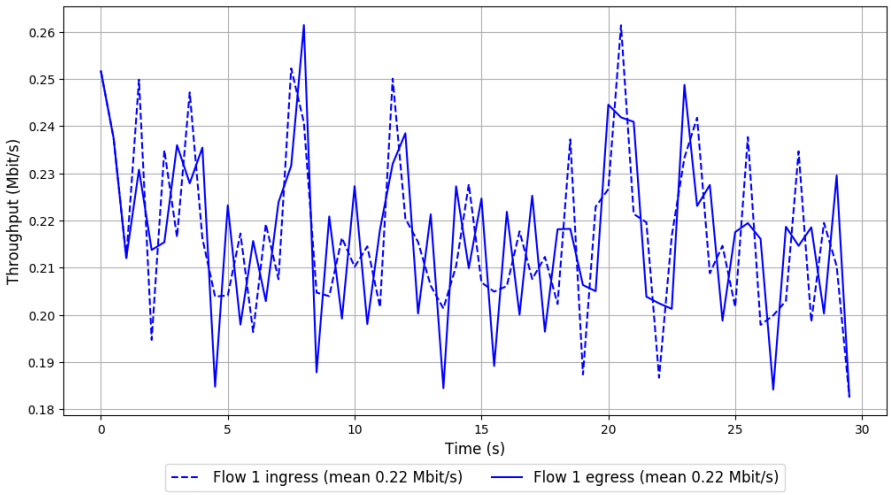


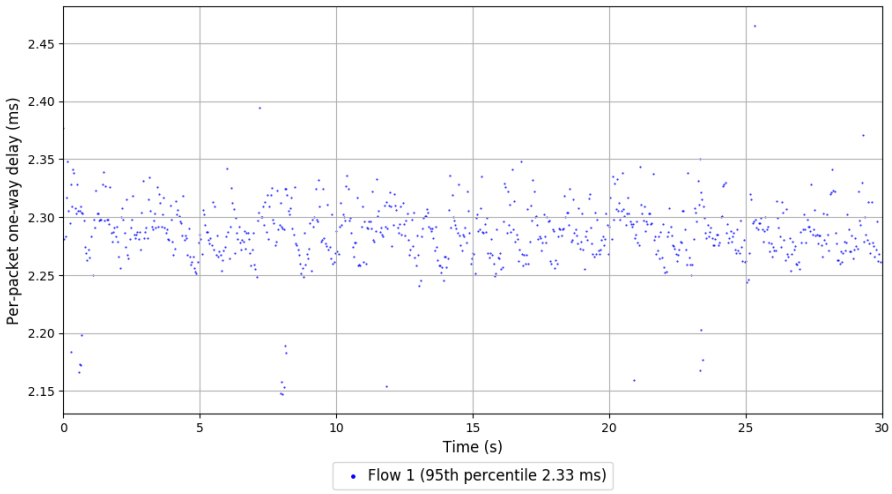
```
Run 8: Statistics of SCReAM

Start at: 2018-04-03 06:50:01
End at: 2018-04-03 06:50:31
Local clock offset: -6.043 ms
Remote clock offset: -5.68 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link



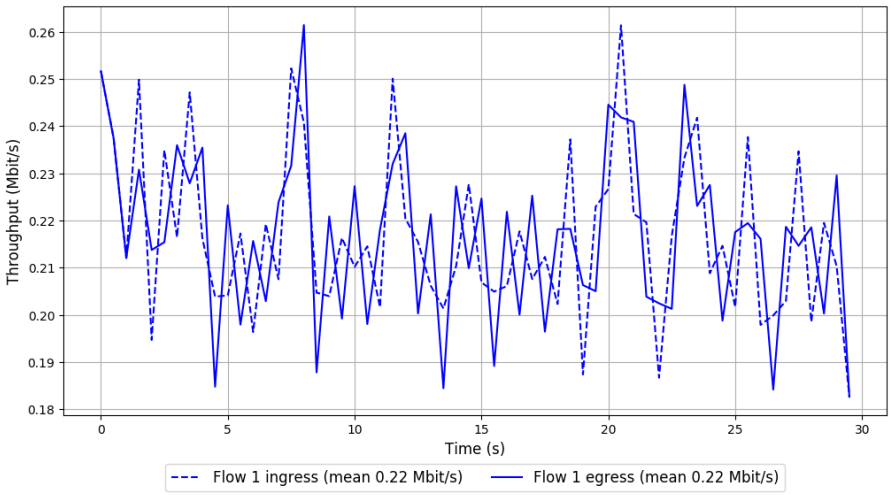


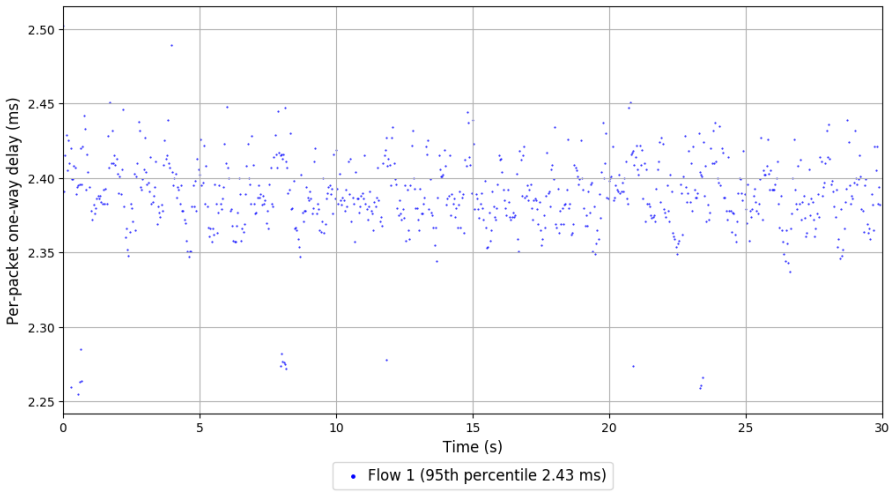
```
Run 9: Statistics of SCReAM

Start at: 2018-04-03 07:10:23
End at: 2018-04-03 07:10:53
Local clock offset: -6.988 ms
Remote clock offset: -6.089 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link



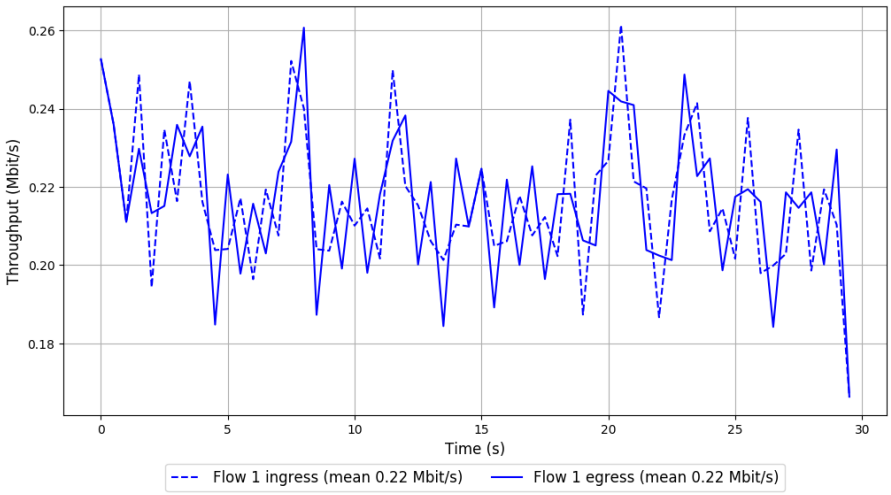


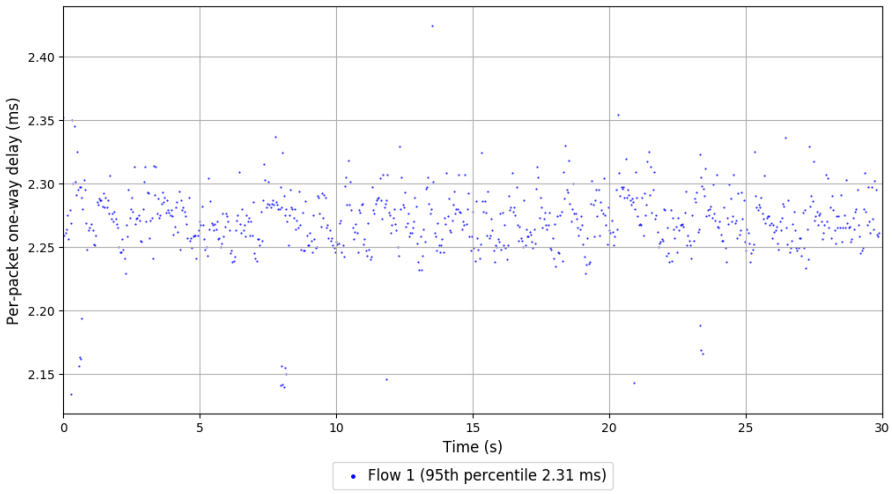
```
Run 10: Statistics of SCReAM

Start at: 2018-04-03 07:30:47
End at: 2018-04-03 07:31:17
Local clock offset: -7.626 ms
Remote clock offset: -6.562 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link



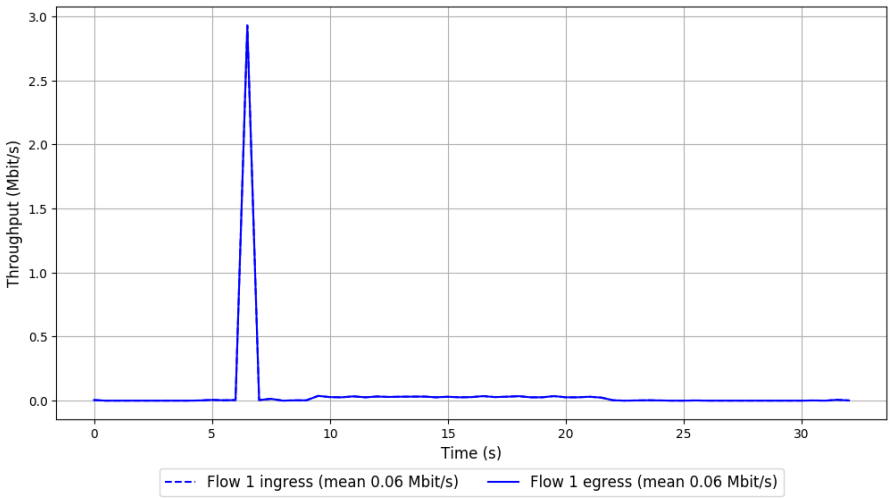


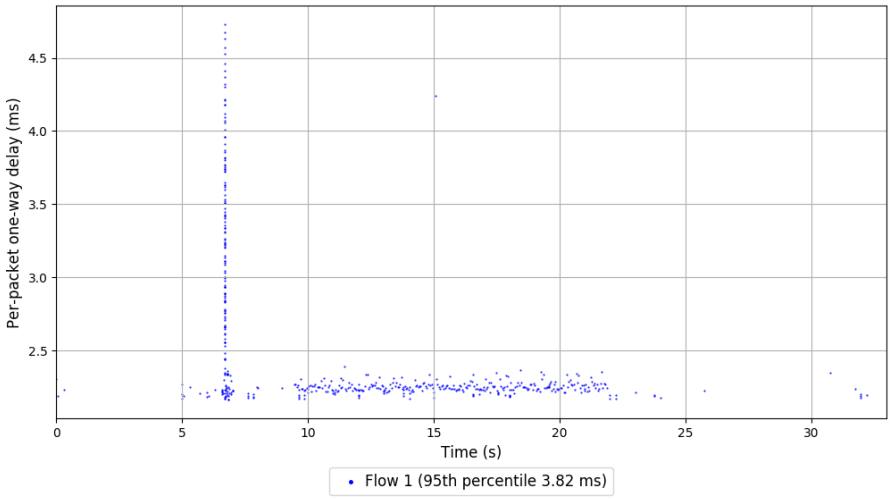
```
Run 1: Statistics of WebRTC media

Start at: 2018-04-03 04:25:09
End at: 2018-04-03 04:25:39
Local clock offset: -5.901 ms
Remote clock offset: -5.925 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.816 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



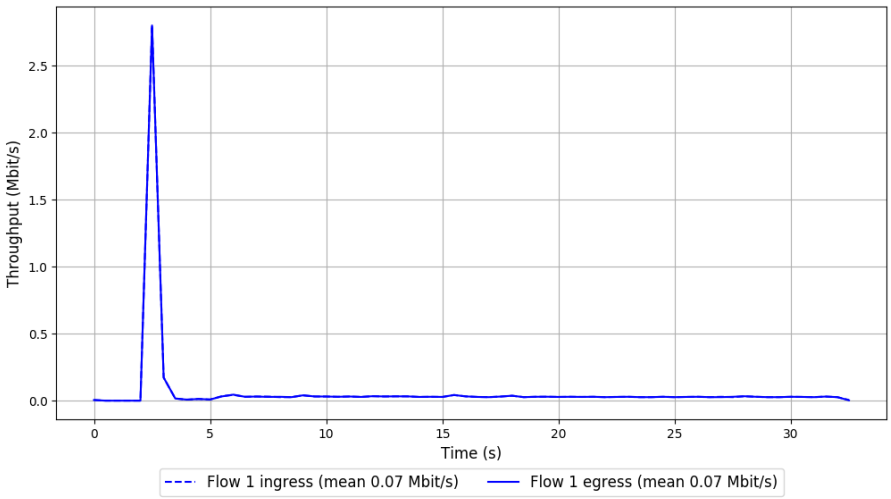


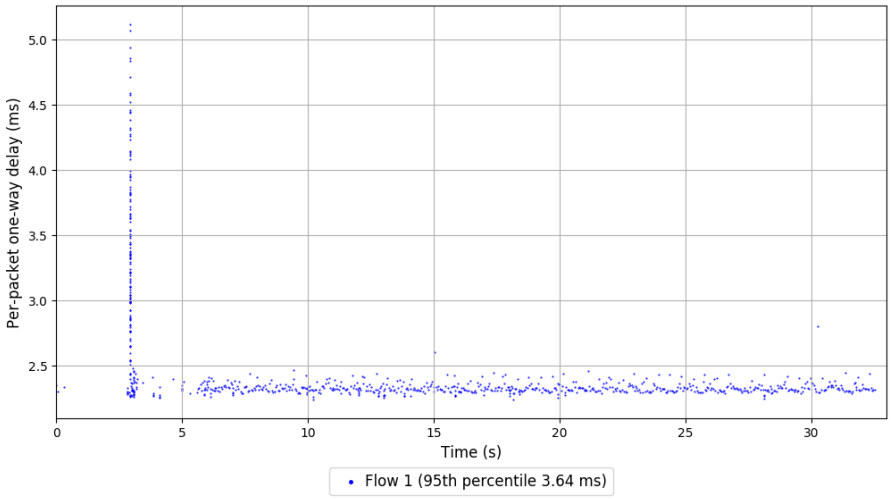
```
Run 2: Statistics of WebRTC media

Start at: 2018-04-03 04:45:32
End at: 2018-04-03 04:46:02
Local clock offset: -5.799 ms
Remote clock offset: -5.732 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.643 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.643 ms
Loss rate: 0.06%
```

Run 2: Report of WebRTC media — Data Link



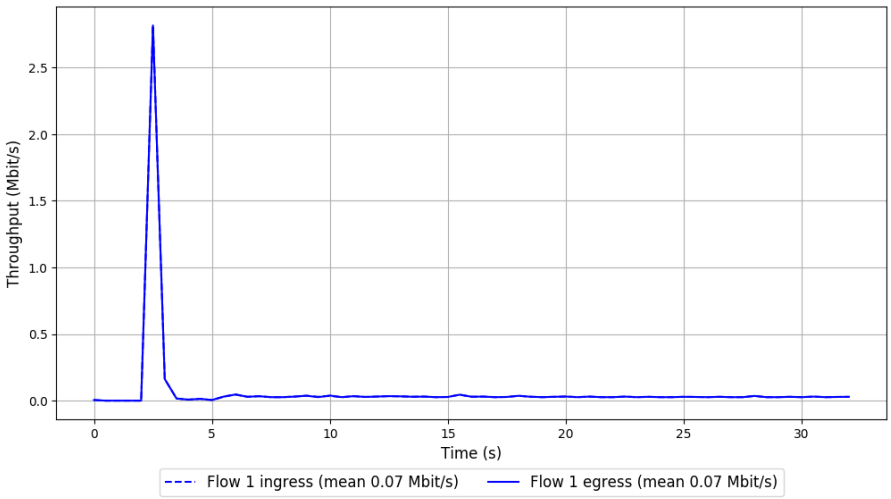


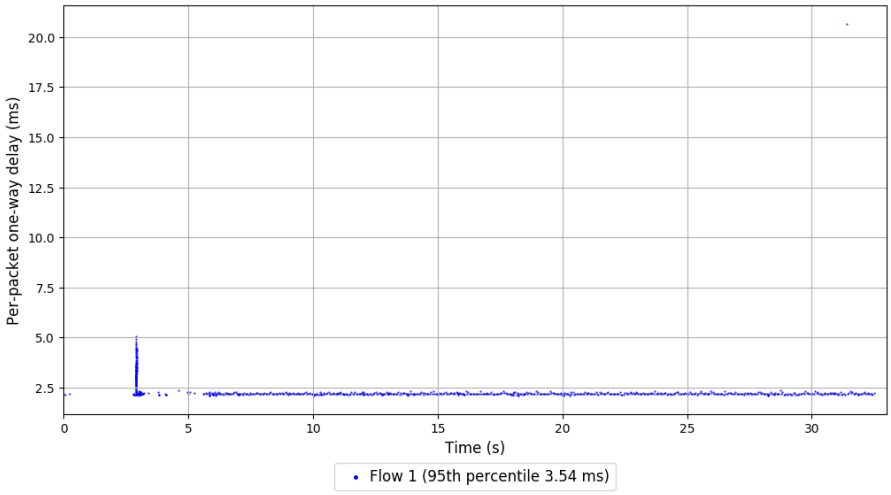
```
Run 3: Statistics of WebRTC media

Start at: 2018-04-03 05:05:56
End at: 2018-04-03 05:06:26
Local clock offset: -5.665 ms
Remote clock offset: -5.974 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.544 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link



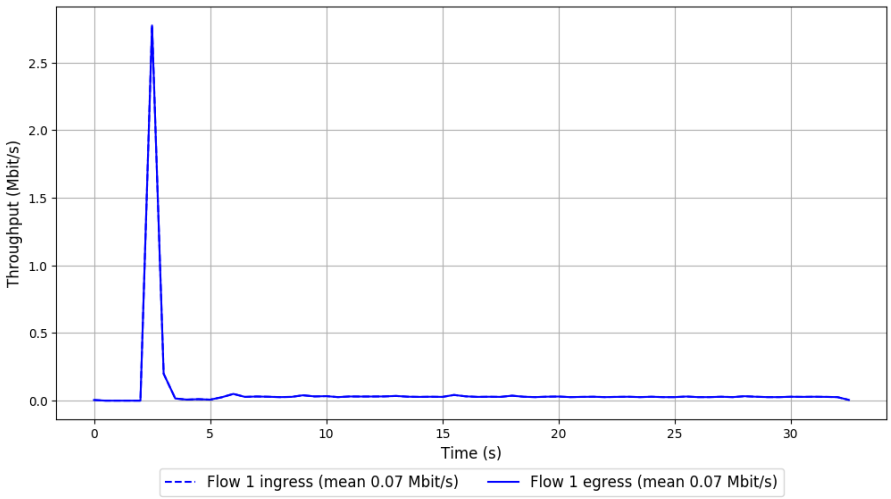


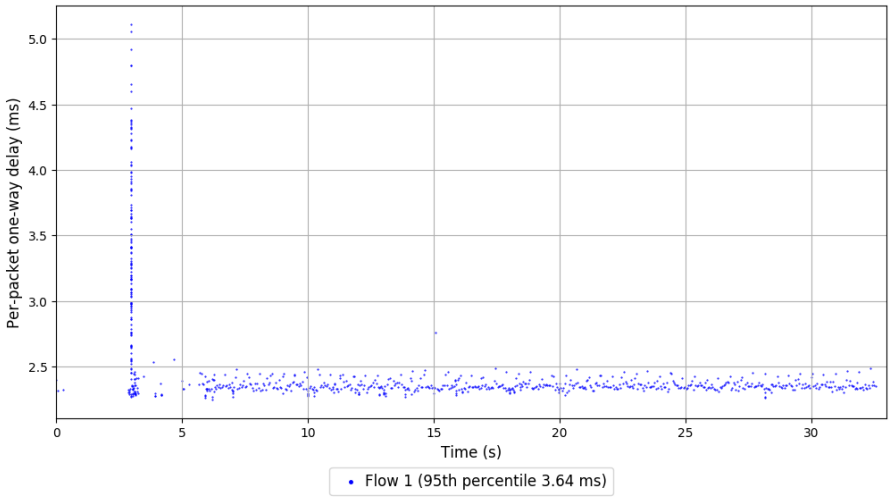
```
Run 4: Statistics of WebRTC media

Start at: 2018-04-03 05:26:19
End at: 2018-04-03 05:26:49
Local clock offset: -5.716 ms
Remote clock offset: -5.941 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.639 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



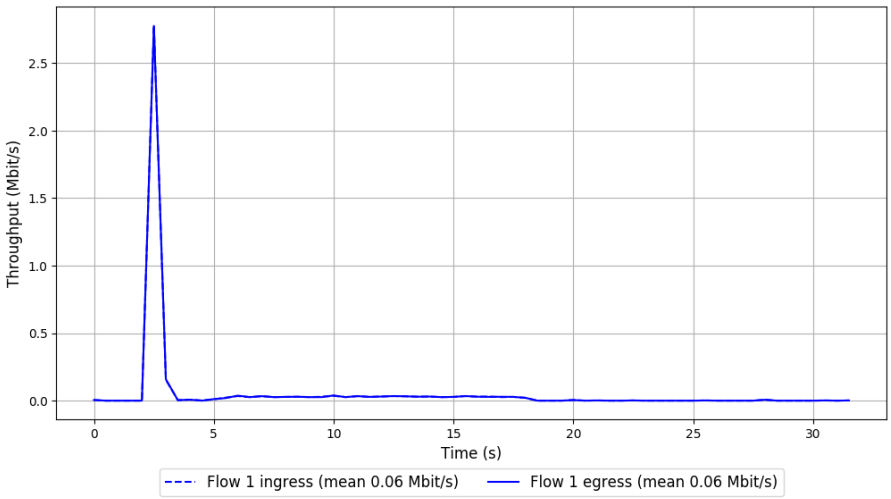


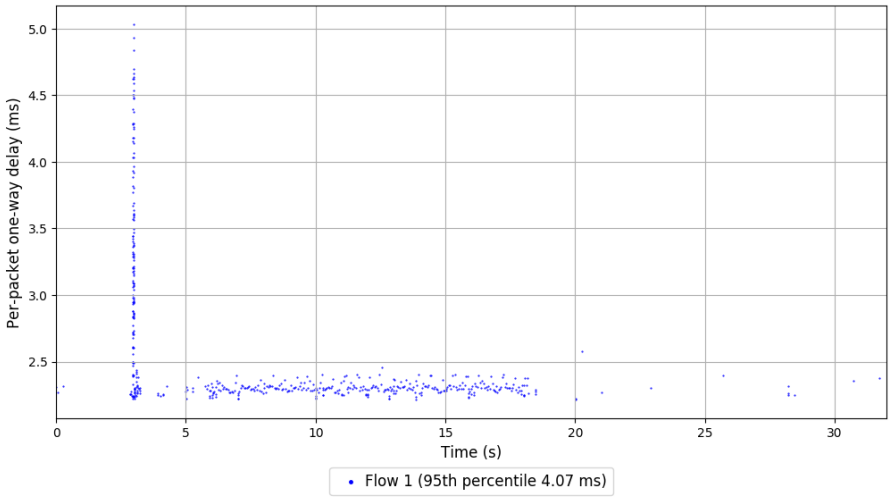
```
Run 5: Statistics of WebRTC media

Start at: 2018-04-03 05:46:41
End at: 2018-04-03 05:47:11
Local clock offset: -5.795 ms
Remote clock offset: -5.799 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.065 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link



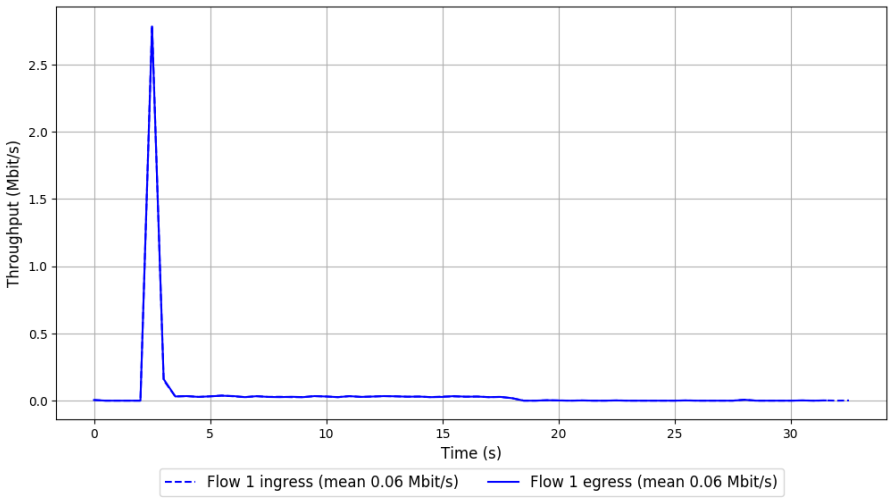


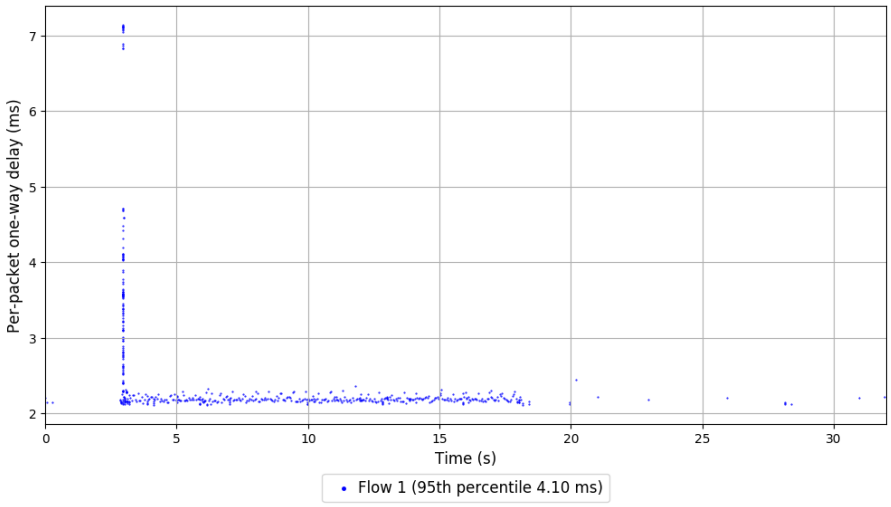
```
Run 6: Statistics of WebRTC media

Start at: 2018-04-03 06:07:04
End at: 2018-04-03 06:07:34
Local clock offset: -6.392 ms
Remote clock offset: -5.754 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.097 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.097 ms
Loss rate: 0.04%
```

Run 6: Report of WebRTC media — Data Link



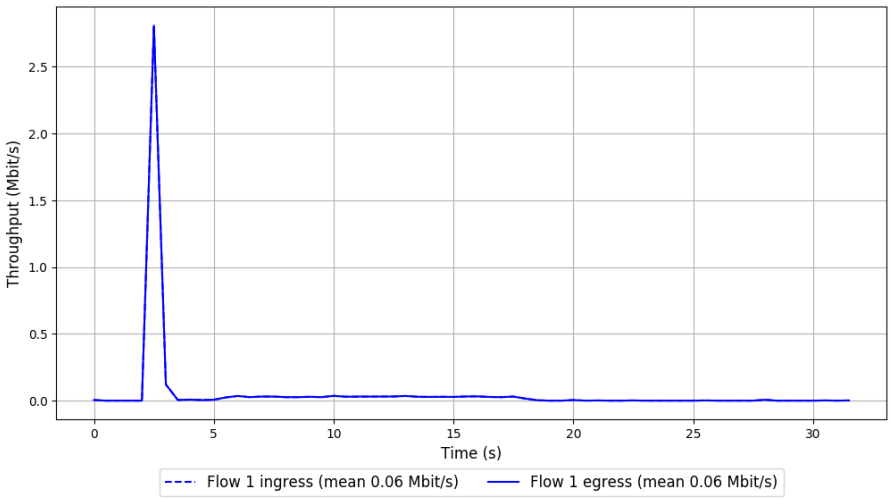


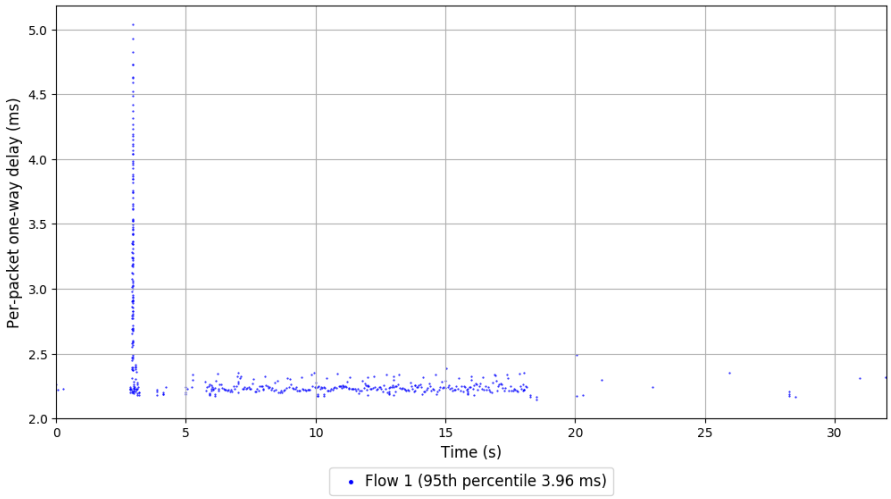
```
Run 7: Statistics of WebRTC media

Start at: 2018-04-03 06:27:27
End at: 2018-04-03 06:27:57
Local clock offset: -6.36 ms
Remote clock offset: -5.724 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.959 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link



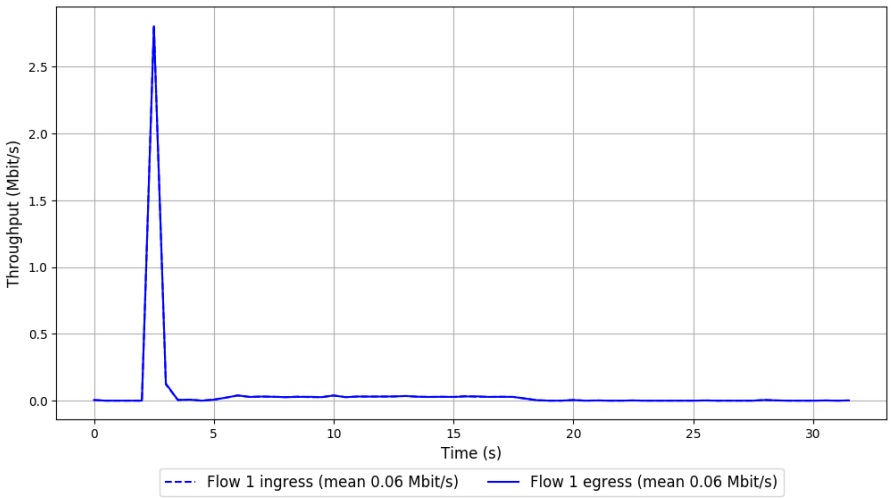


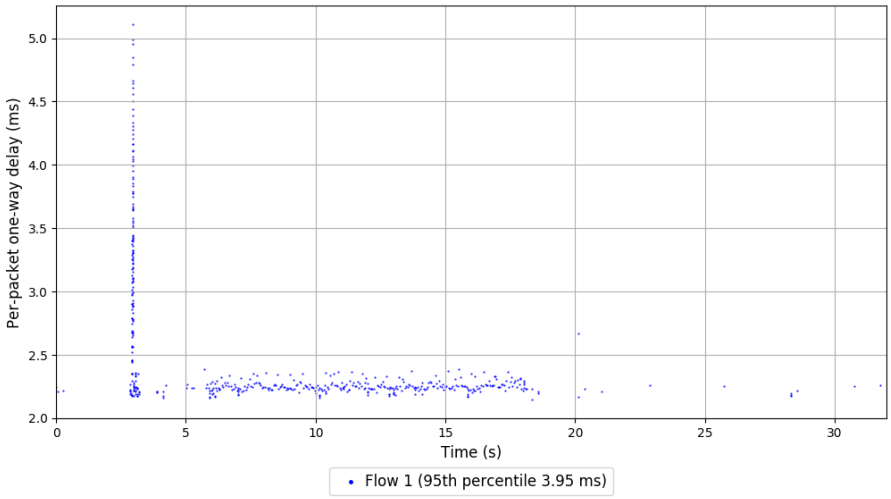
```
Run 8: Statistics of WebRTC media

Start at: 2018-04-03 06:47:49
End at: 2018-04-03 06:48:19
Local clock offset: -5.982 ms
Remote clock offset: -5.658 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.953 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link



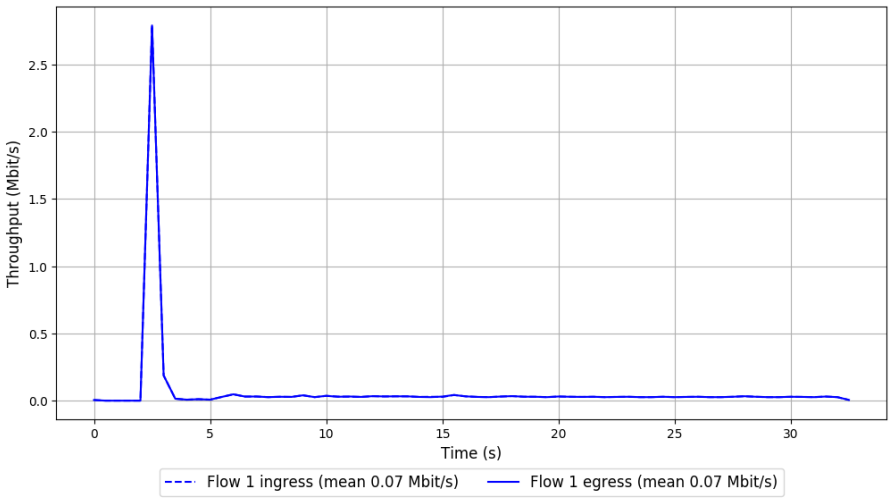


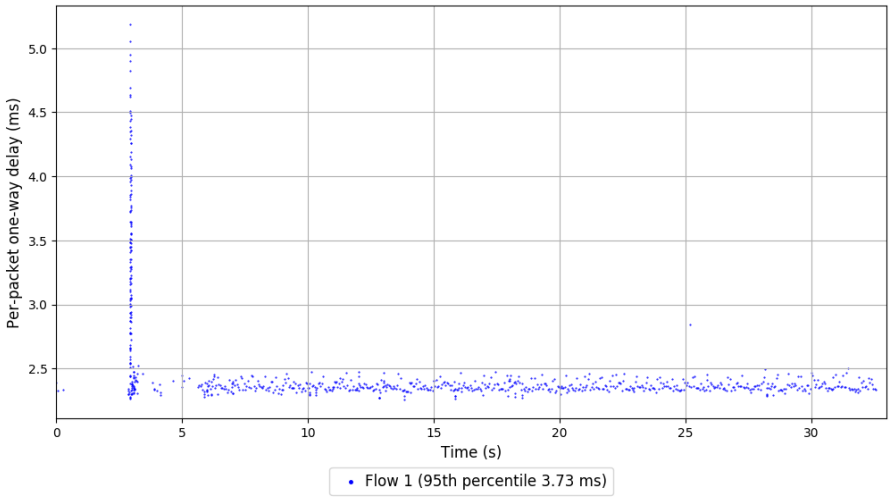
```
Run 9: Statistics of WebRTC media

Start at: 2018-04-03 07:08:12
End at: 2018-04-03 07:08:42
Local clock offset: -6.88 ms
Remote clock offset: -6.026 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.730 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



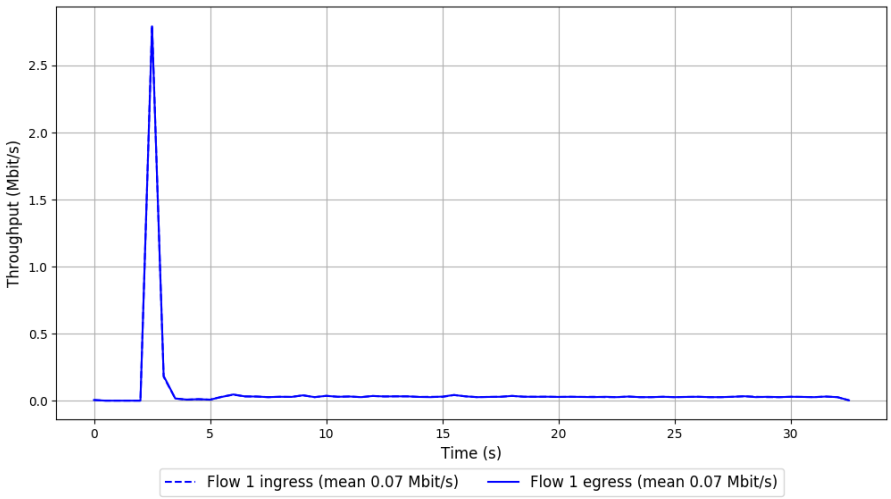


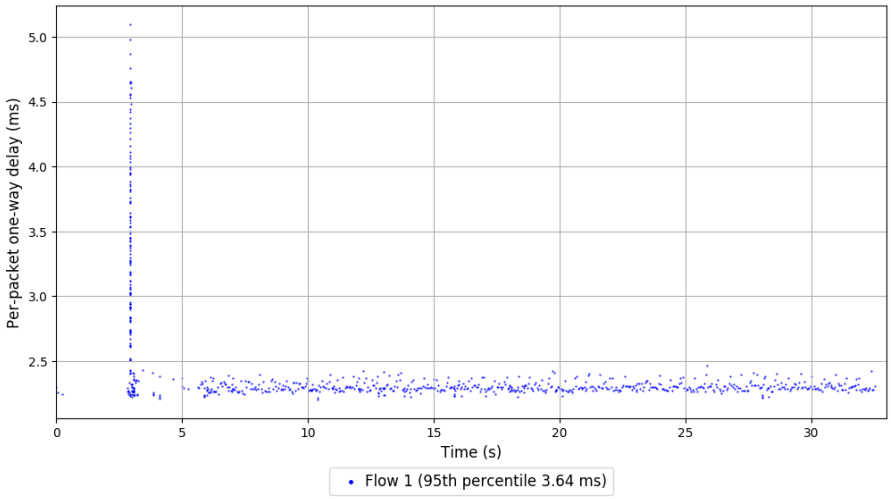
```
Run 10: Statistics of WebRTC media

Start at: 2018-04-03 07:28:35
End at: 2018-04-03 07:29:05
Local clock offset: -7.562 ms
Remote clock offset: -6.605 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.643 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



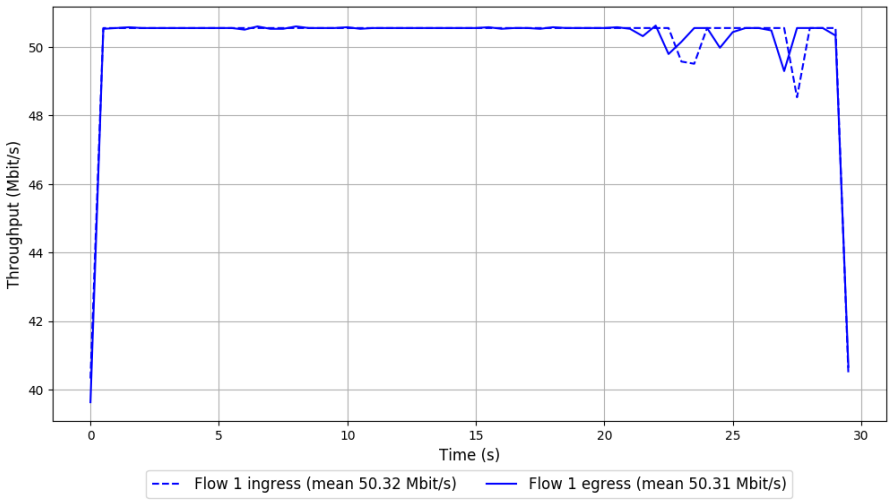


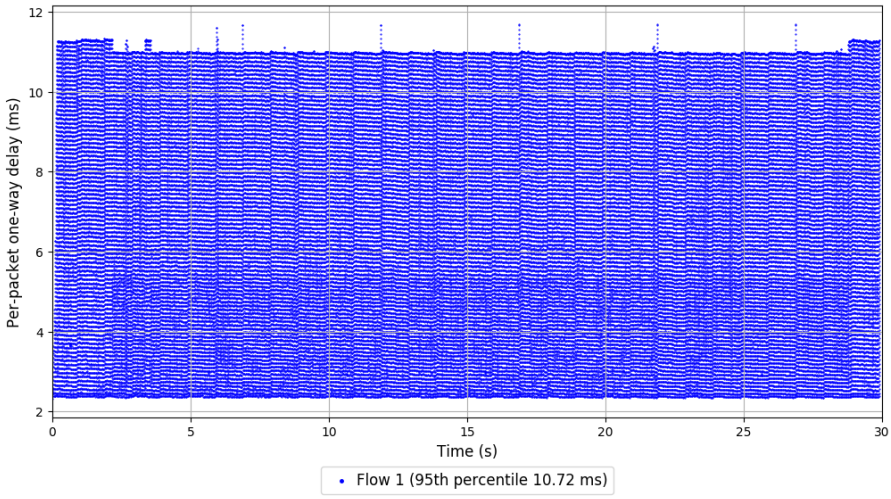
```
Run 1: Statistics of Sprout

Start at: 2018-04-03 04:42:08
End at: 2018-04-03 04:42:38
Local clock offset: -5.947 ms
Remote clock offset: -5.782 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 10.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 10.718 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



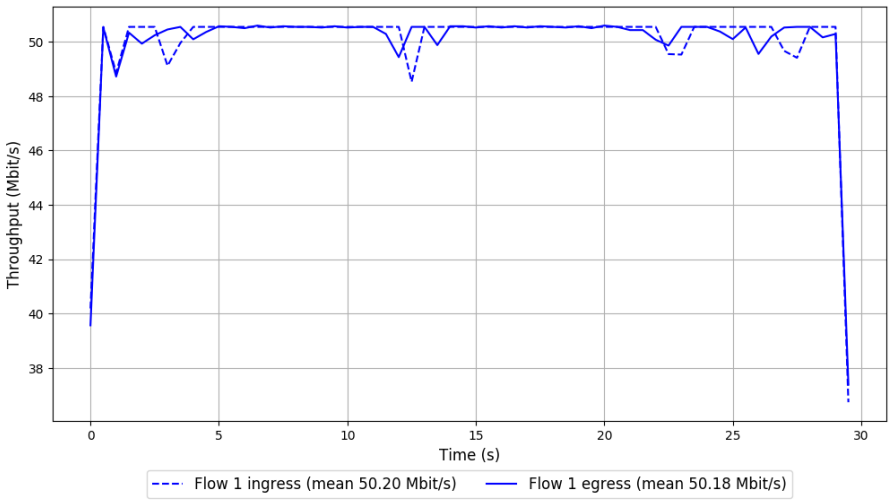


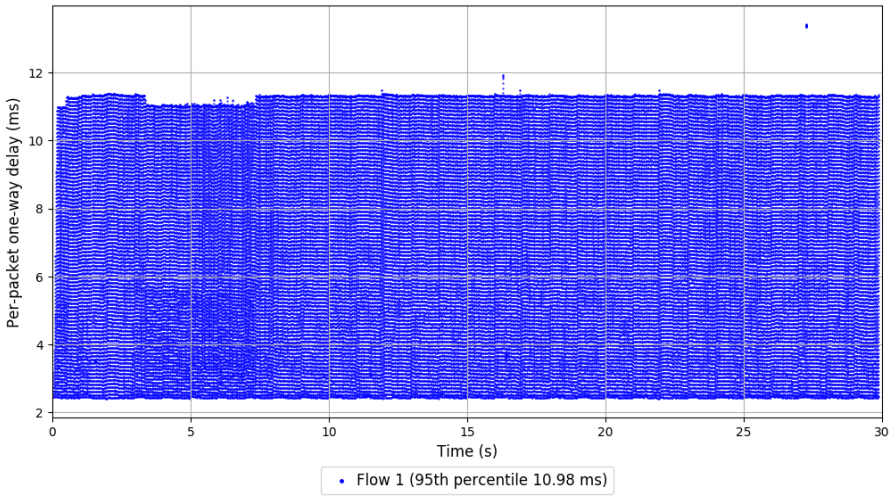
```
Run 2: Statistics of Sprout

Start at: 2018-04-03 05:02:31
End at: 2018-04-03 05:03:01
Local clock offset: -5.618 ms
Remote clock offset: -6.014 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 10.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 10.978 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



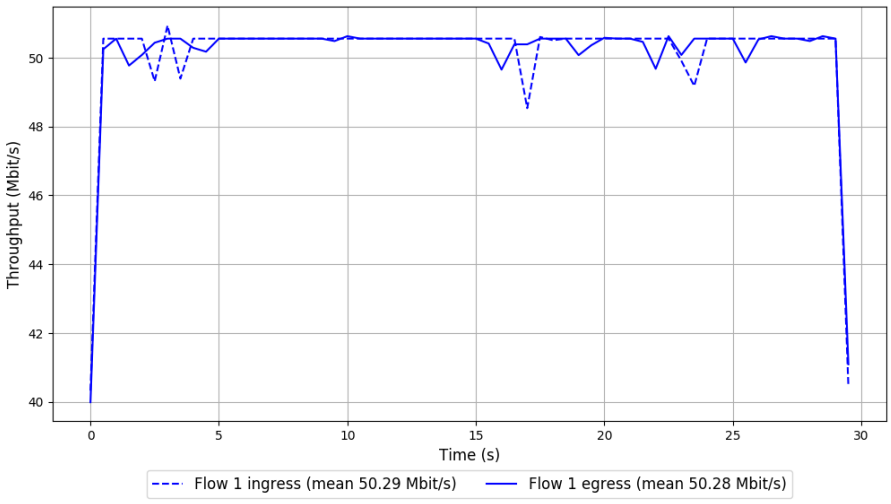


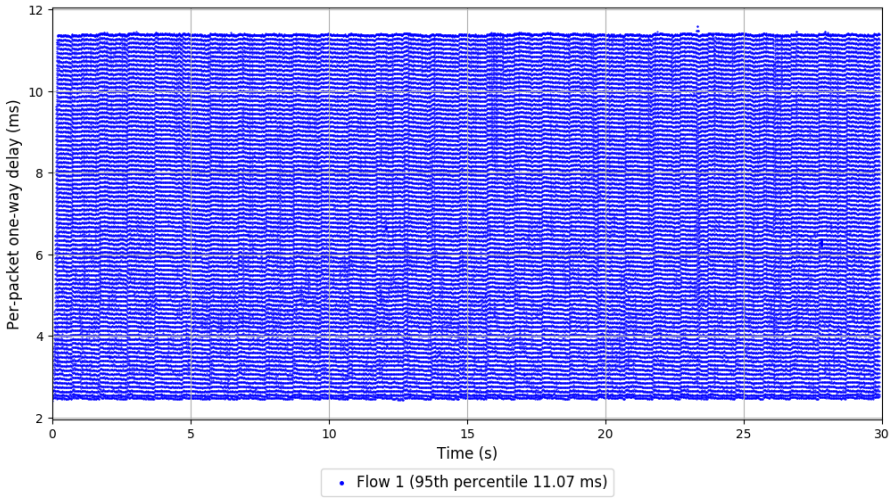
```
Run 3: Statistics of Sprout

Start at: 2018-04-03 05:22:55
End at: 2018-04-03 05:23:25
Local clock offset: -5.677 ms
Remote clock offset: -5.964 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 11.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 11.071 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



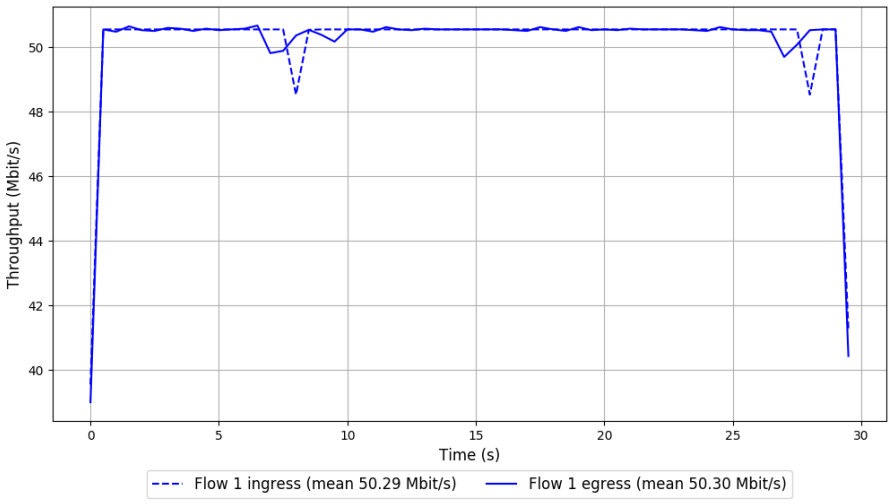


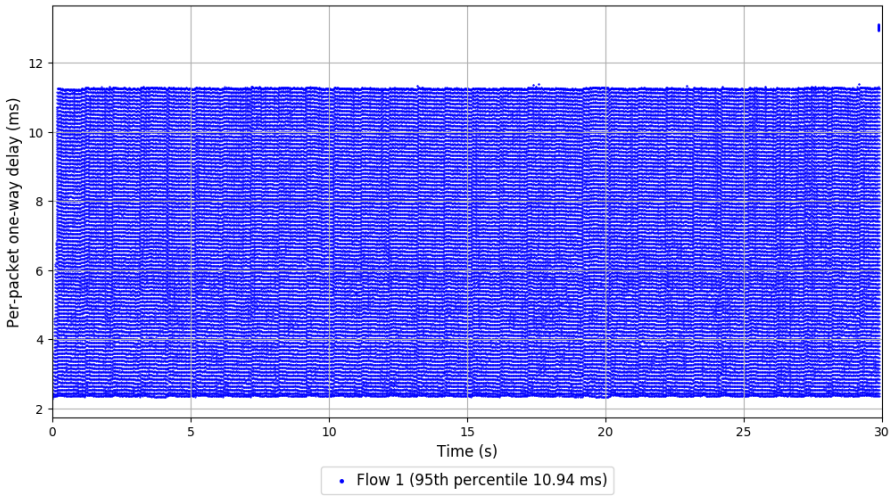
```
Run 4: Statistics of Sprout

Start at: 2018-04-03 05:43:17
End at: 2018-04-03 05:43:47
Local clock offset: -5.785 ms
Remote clock offset: -5.755 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 10.942 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 10.942 ms
Loss rate: 0.03%
```

Run 4: Report of Sprout — Data Link



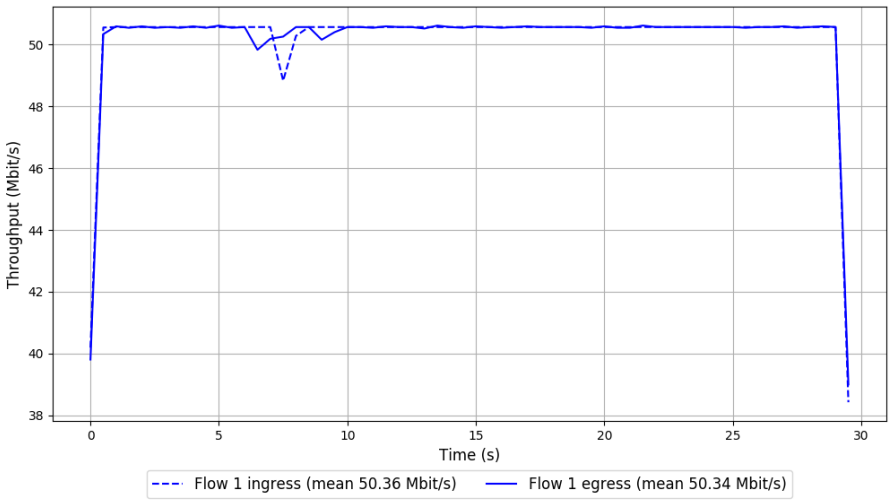


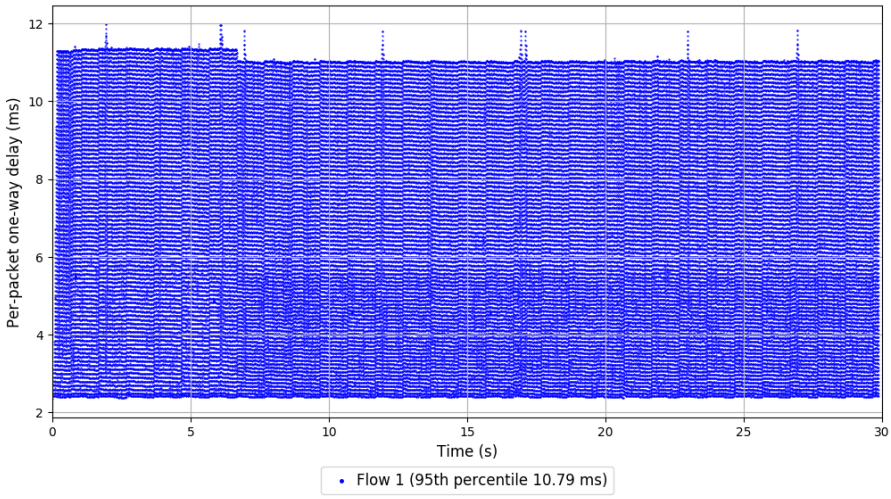
```
Run 5: Statistics of Sprout

Start at: 2018-04-03 06:03:40
End at: 2018-04-03 06:04:10
Local clock offset: -6.305 ms
Remote clock offset: -5.814 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.793 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



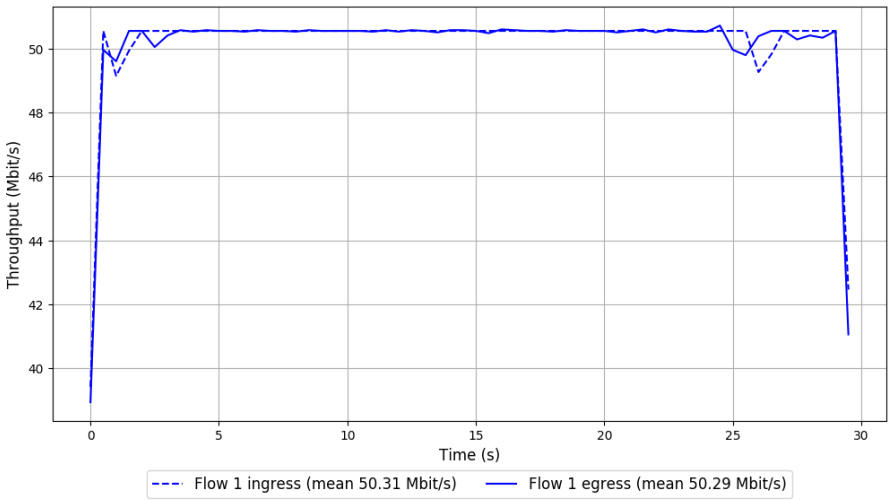


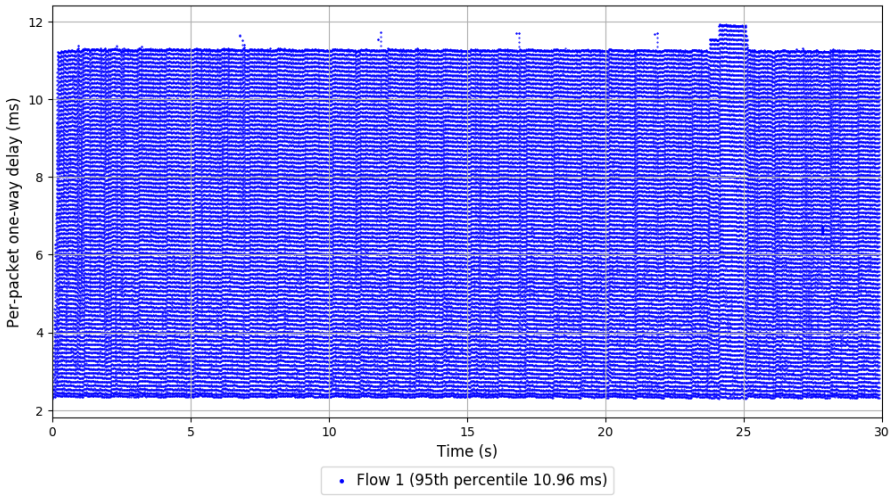
```
Run 6: Statistics of Sprout

Start at: 2018-04-03 06:24:03
End at: 2018-04-03 06:24:33
Local clock offset: -6.524 ms
Remote clock offset: -5.725 ms

# Below is generated by plot.py at 2018-04-03 11:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 10.962 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 10.962 ms
Loss rate: 0.07%
```

Run 6: Report of Sprout — Data Link



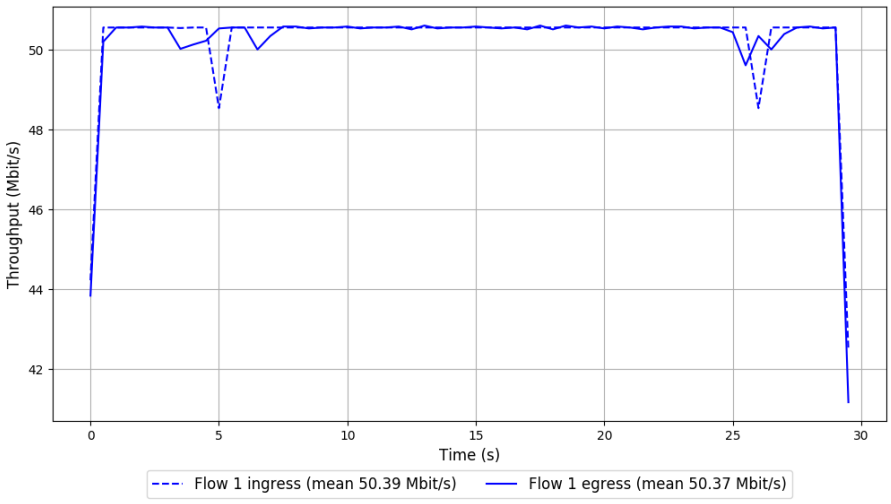


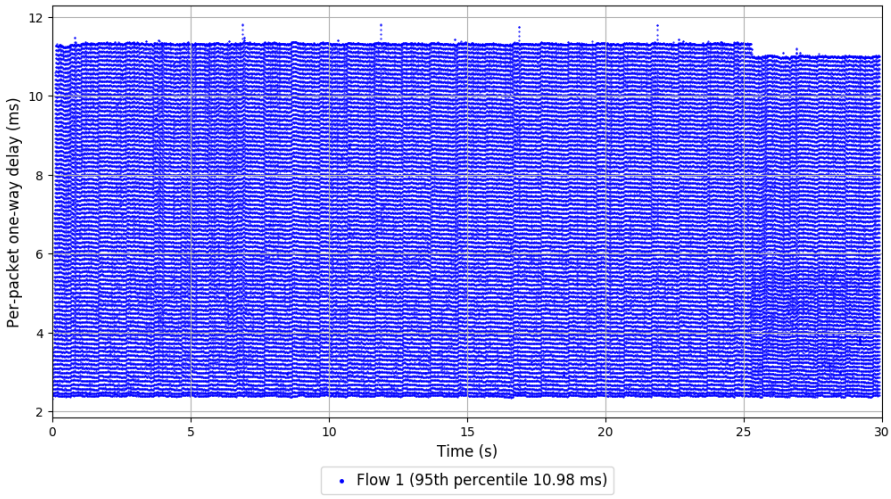
```
Run 7: Statistics of Sprout

Start at: 2018-04-03 06:44:25
End at: 2018-04-03 06:44:55
Local clock offset: -6.008 ms
Remote clock offset: -5.697 ms

# Below is generated by plot.py at 2018-04-03 11:25:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 10.982 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 10.982 ms
Loss rate: 0.07%
```

Run 7: Report of Sprout — Data Link



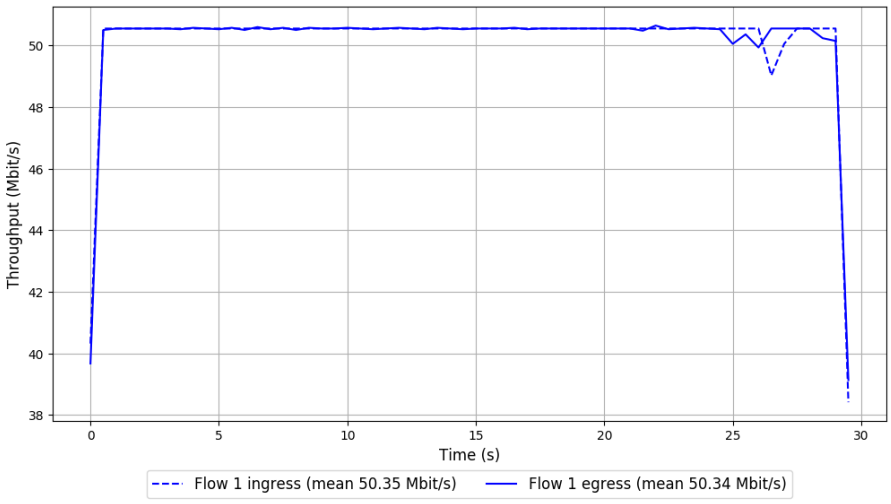


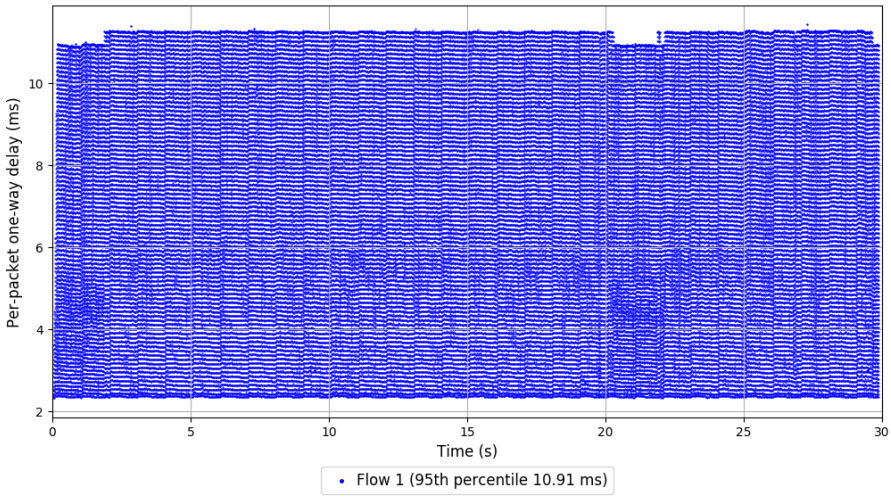
```
Run 8: Statistics of Sprout

Start at: 2018-04-03 07:04:48
End at: 2018-04-03 07:05:18
Local clock offset: -6.707 ms
Remote clock offset: -5.71 ms

# Below is generated by plot.py at 2018-04-03 11:25:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.915 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



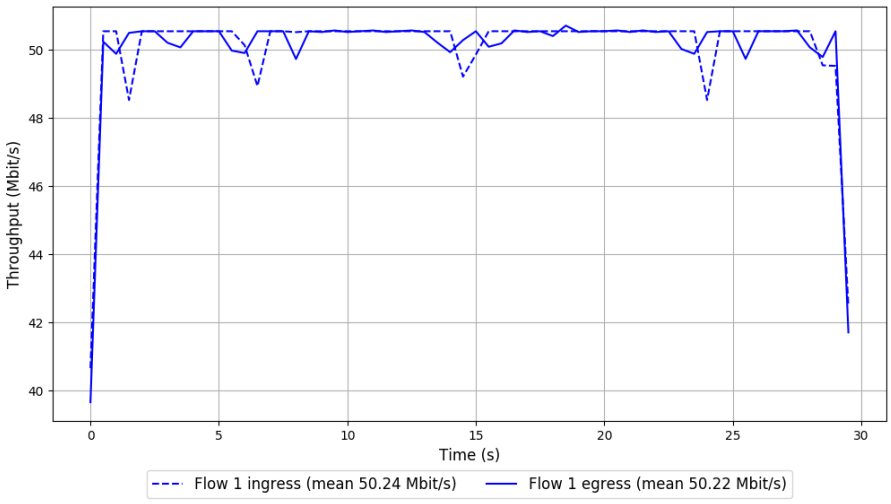


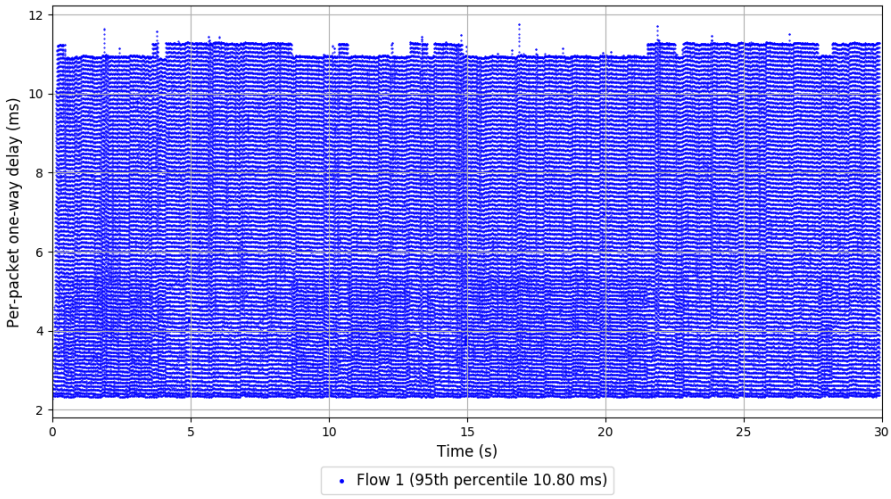
```
Run 9: Statistics of Sprout

Start at: 2018-04-03 07:25:11
End at: 2018-04-03 07:25:41
Local clock offset: -7.503 ms
Remote clock offset: -6.496 ms

# Below is generated by plot.py at 2018-04-03 11:25:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 10.801 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 10.801 ms
Loss rate: 0.03%
```

Run 9: Report of Sprout — Data Link



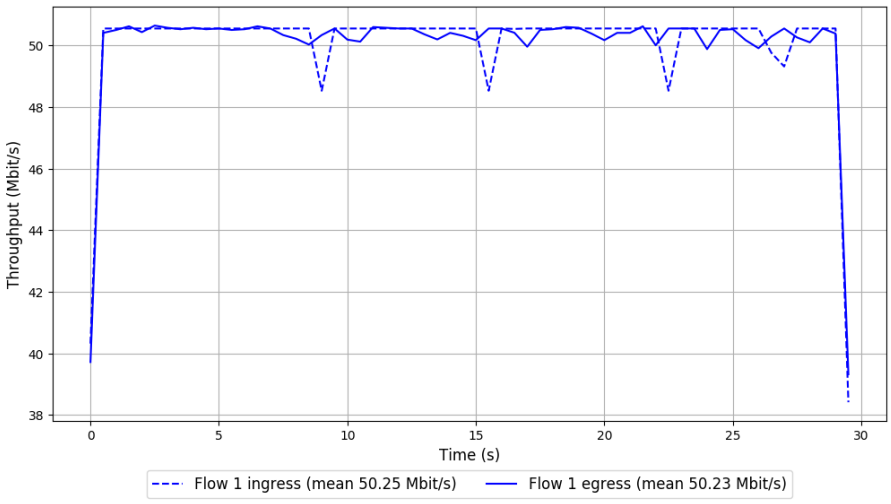


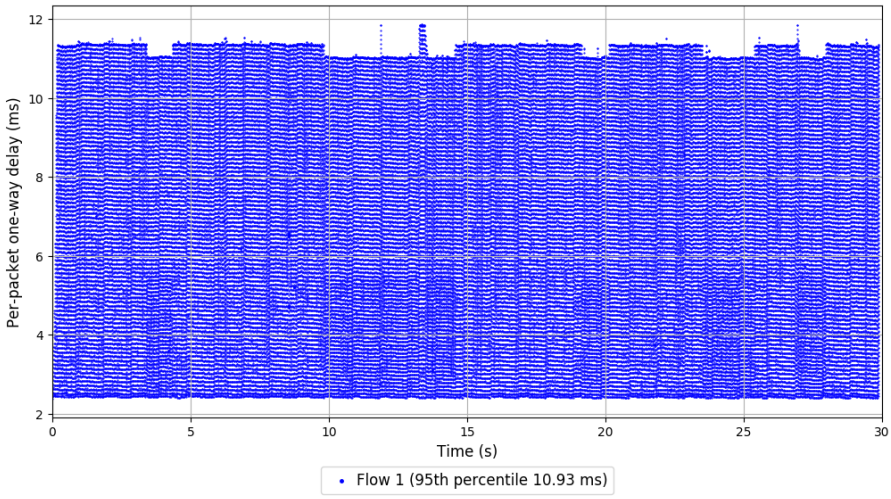
```
Run 10: Statistics of Sprout

Start at: 2018-04-03 07:45:34
End at: 2018-04-03 07:46:05
Local clock offset: -6.805 ms
Remote clock offset: -6.803 ms

# Below is generated by plot.py at 2018-04-03 11:25:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 10.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 10.928 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



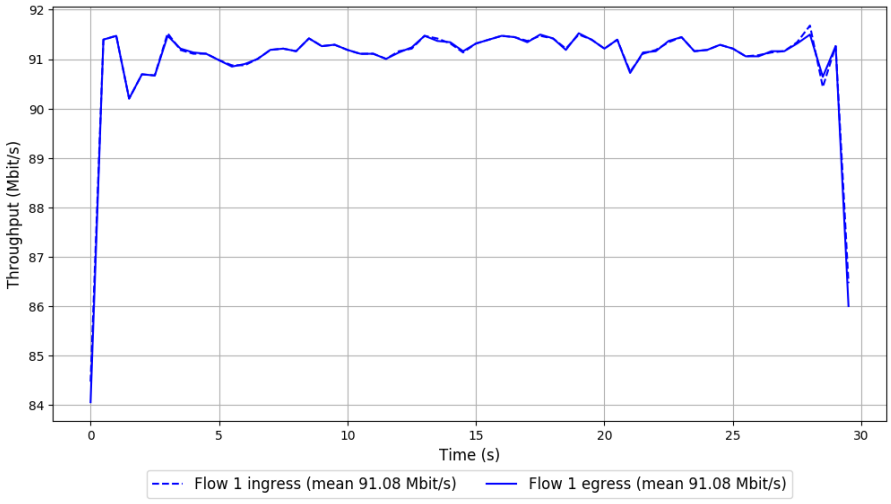


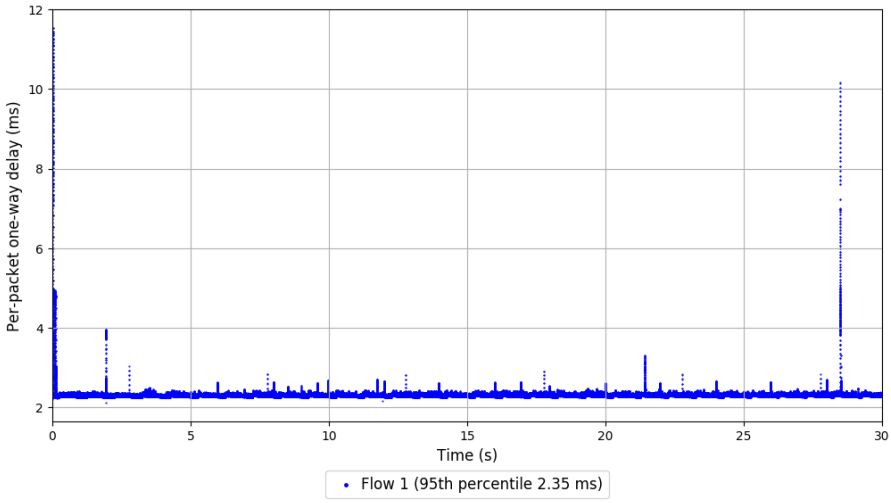
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-03 04:34:05
End at: 2018-04-03 04:34:35
Local clock offset: -5.976 ms
Remote clock offset: -5.85 ms

# Below is generated by plot.py at 2018-04-03 11:27:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.02%
```

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



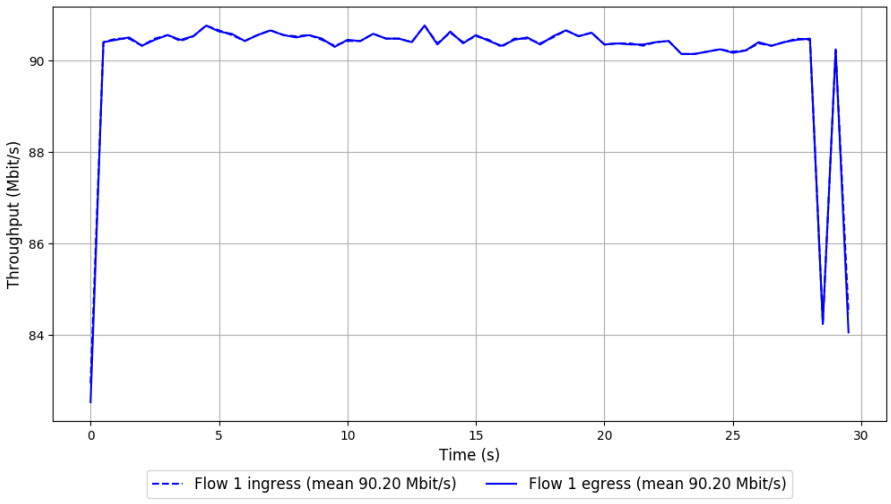


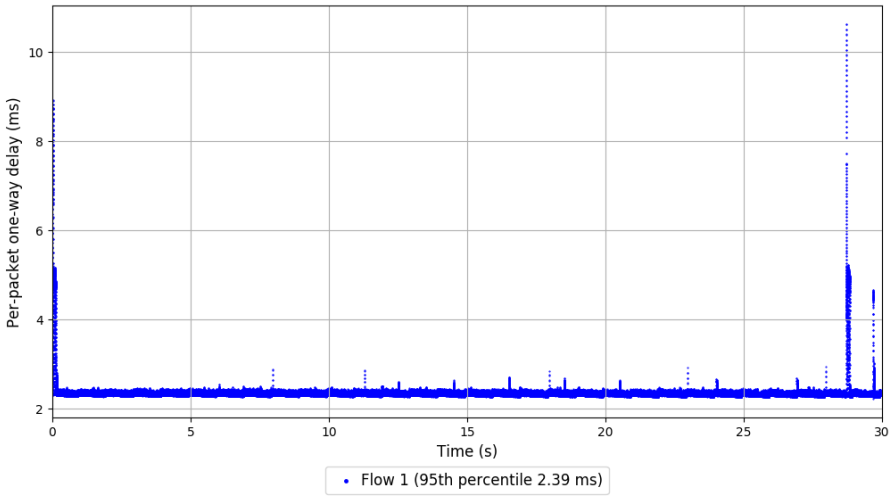
```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-03 04:54:29
End at: 2018-04-03 04:54:59
Local clock offset: -5.729 ms
Remote clock offset: -5.901 ms

# Below is generated by plot.py at 2018-04-03 11:27:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.02%
```

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



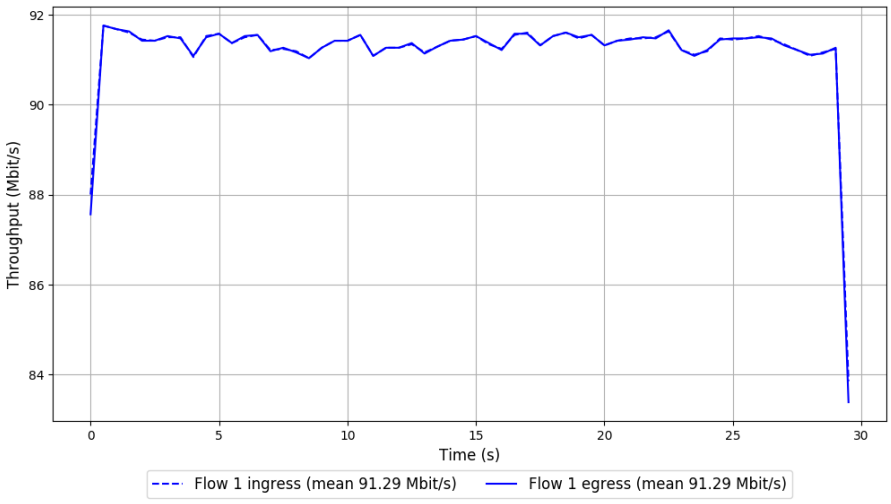


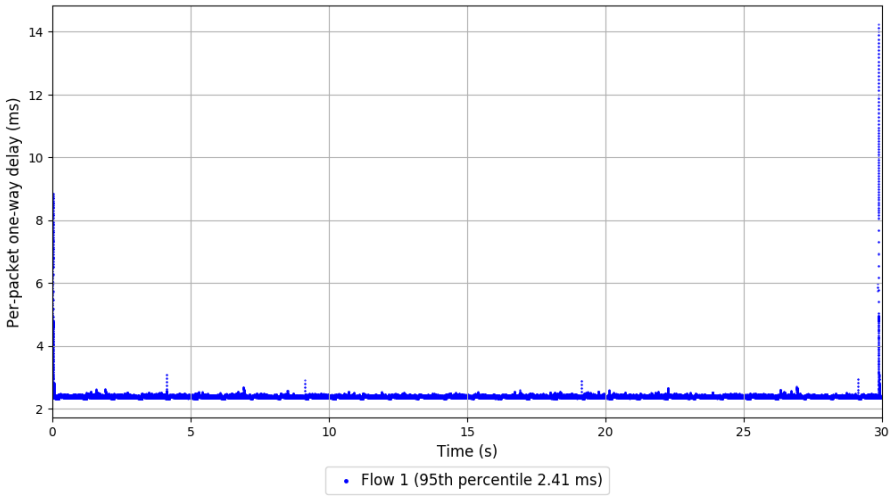
```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-03 05:14:51
End at: 2018-04-03 05:15:21
Local clock offset: -5.558 ms
Remote clock offset: -5.94 ms

# Below is generated by plot.py at 2018-04-03 11:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.02%
```

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



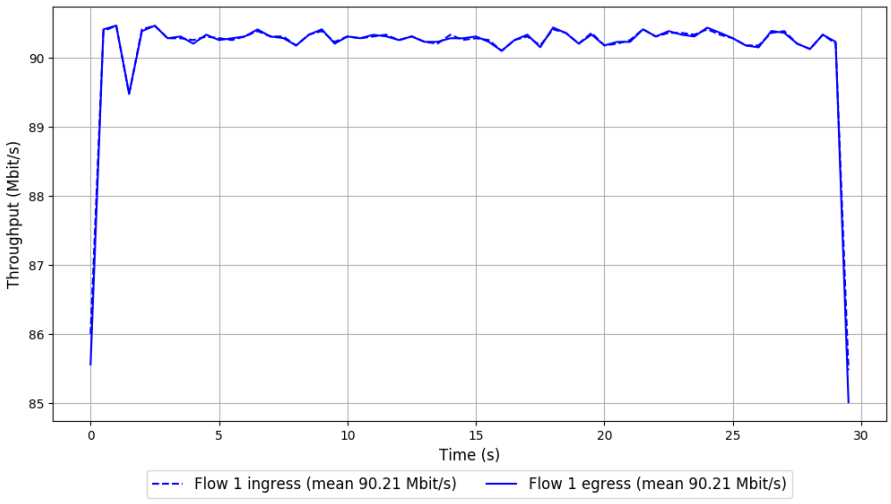


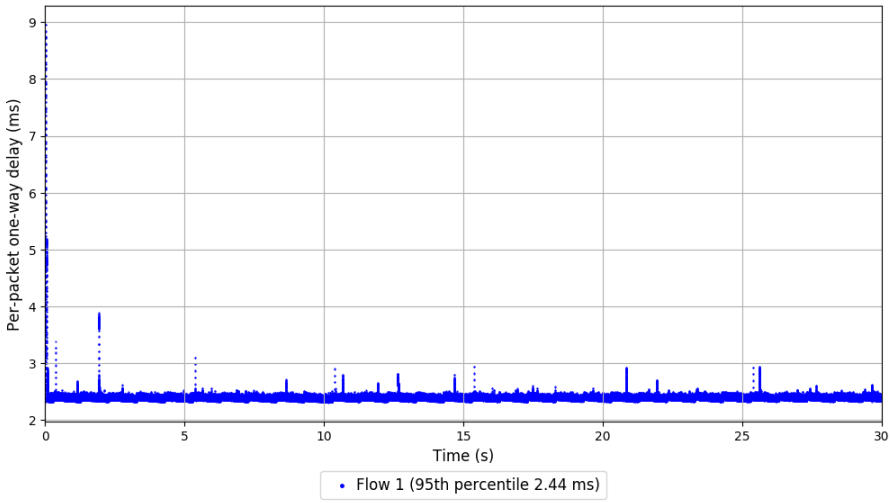
```
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-03 05:35:14
End at: 2018-04-03 05:35:44
Local clock offset: -5.769 ms
Remote clock offset: -5.825 ms

# Below is generated by plot.py at 2018-04-03 11:28:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 2.435 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 2.435 ms
Loss rate: 0.02%
```

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



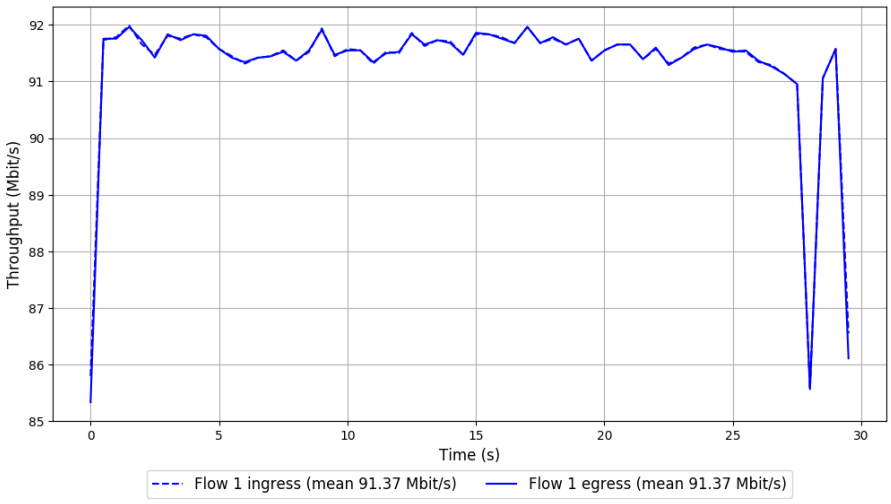


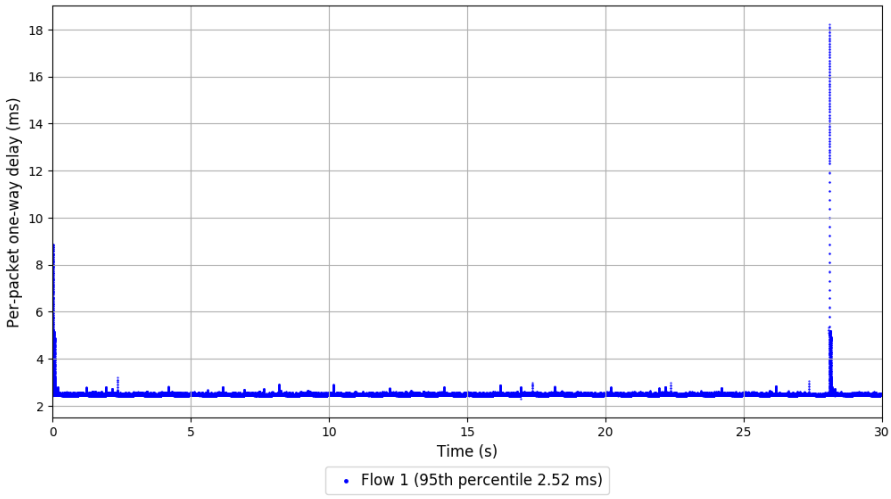
```
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-03 05:55:37
End at: 2018-04-03 05:56:07
Local clock offset: -6.042 ms
Remote clock offset: -5.742 ms

# Below is generated by plot.py at 2018-04-03 11:28:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.02%
```

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



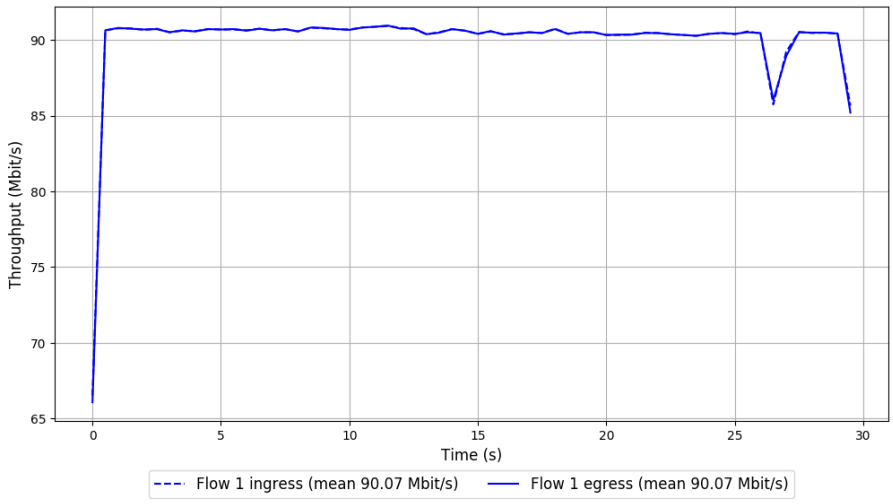


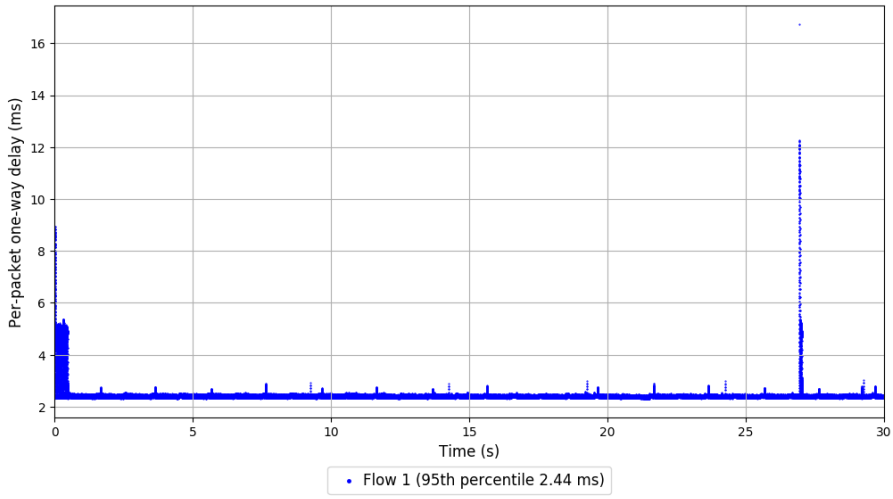
```
Run 6: Statistics of TaoVA-100x

Start at: 2018-04-03 06:15:59
End at: 2018-04-03 06:16:29
Local clock offset: -6.432 ms
Remote clock offset: -5.754 ms

# Below is generated by plot.py at 2018-04-03 11:28:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.02%
```

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



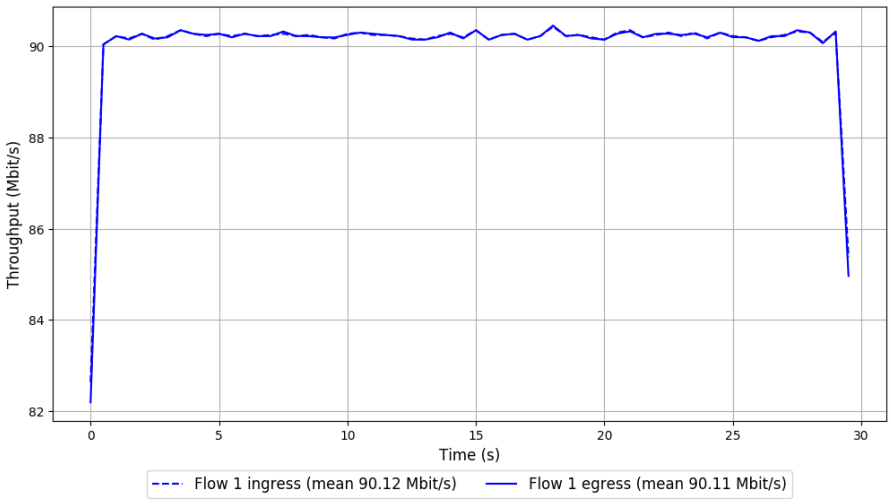


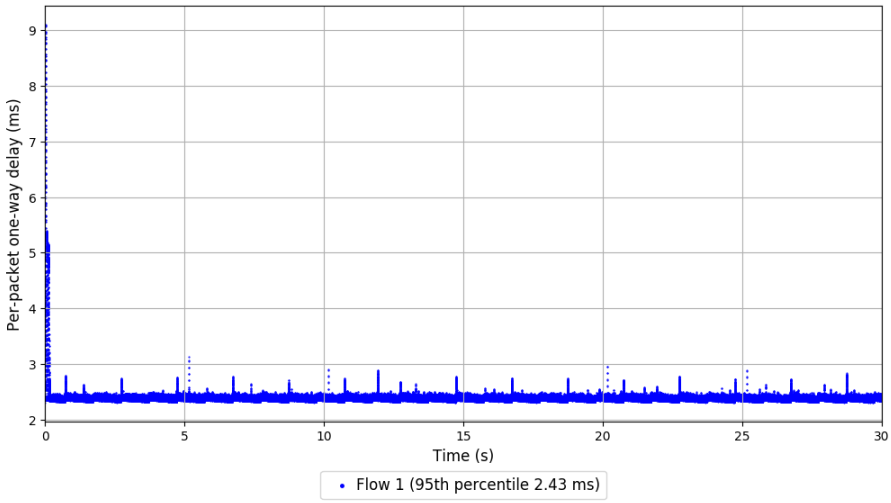
```
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-03 06:36:22
End at: 2018-04-03 06:36:52
Local clock offset: -6.113 ms
Remote clock offset: -5.716 ms

# Below is generated by plot.py at 2018-04-03 11:28:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.02%
```

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



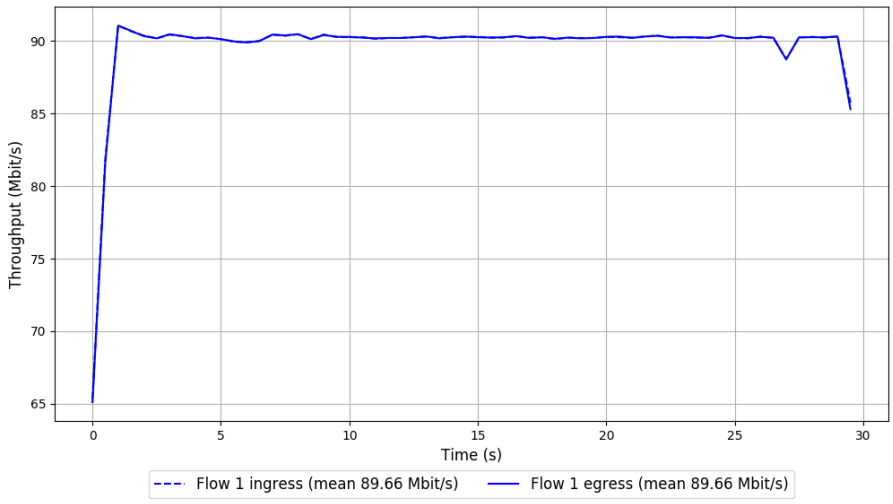


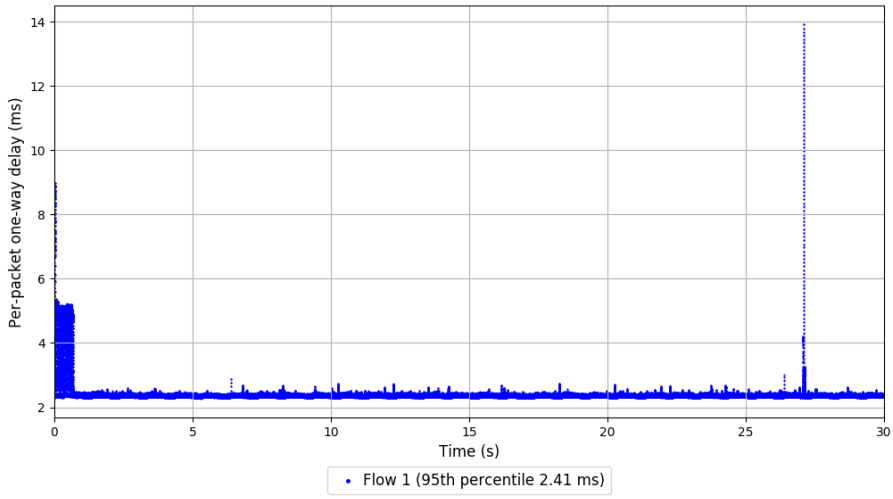
```
Run 8: Statistics of TaoVA-100x

Start at: 2018-04-03 06:56:45
End at: 2018-04-03 06:57:15
Local clock offset: -5.957 ms
Remote clock offset: -5.649 ms

# Below is generated by plot.py at 2018-04-03 11:28:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 0.02%
```

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



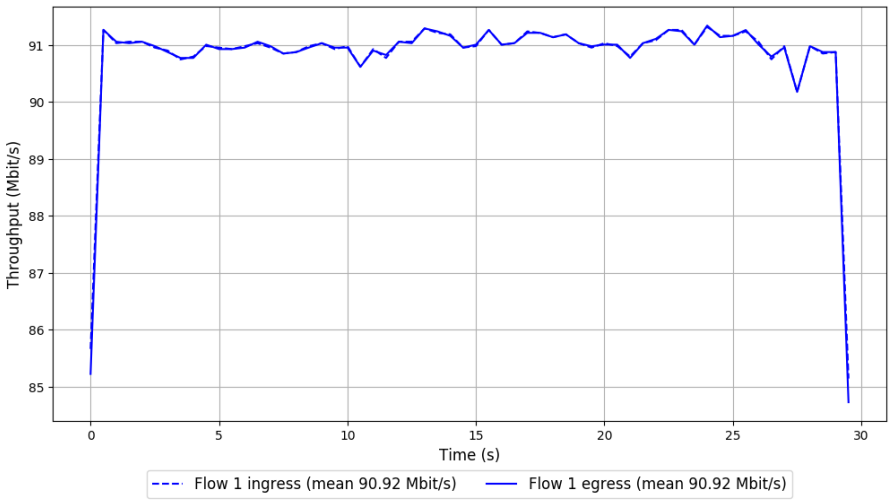


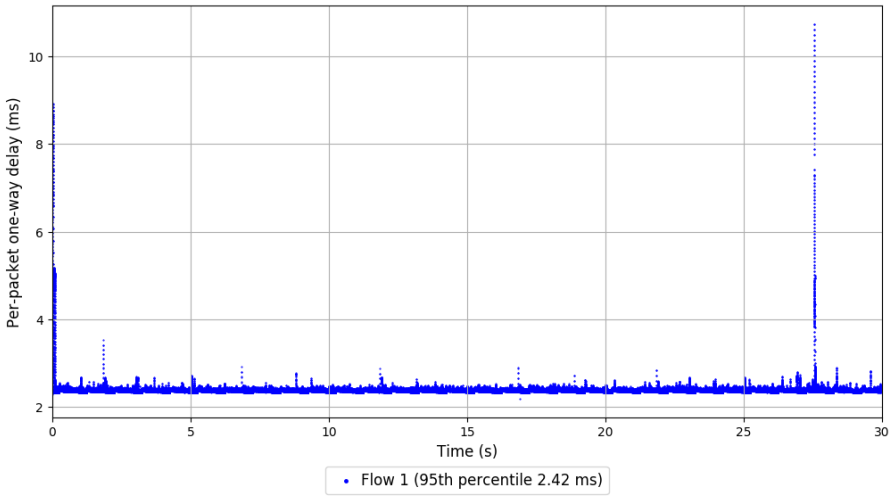
```
Run 9: Statistics of TaoVA-100x

Start at: 2018-04-03 07:17:08
End at: 2018-04-03 07:17:38
Local clock offset: -7.273 ms
Remote clock offset: -6.319 ms

# Below is generated by plot.py at 2018-04-03 11:30:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 2.416 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 2.416 ms
Loss rate: 0.02%
```

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



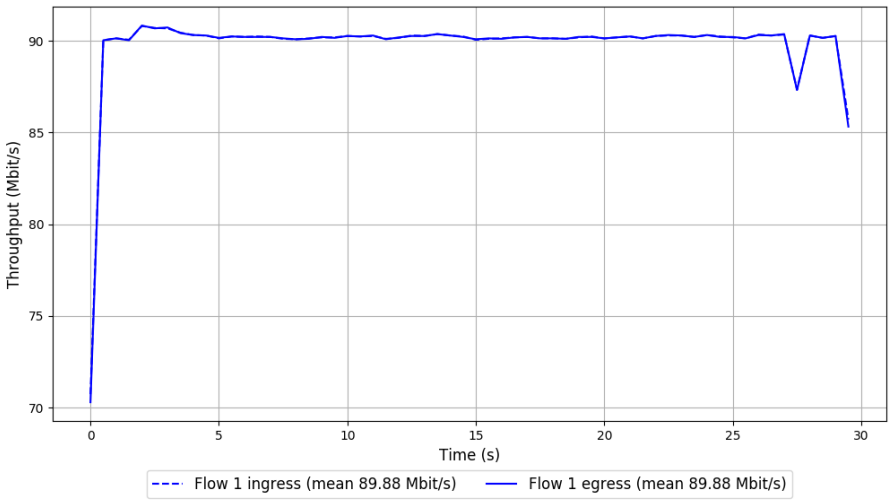


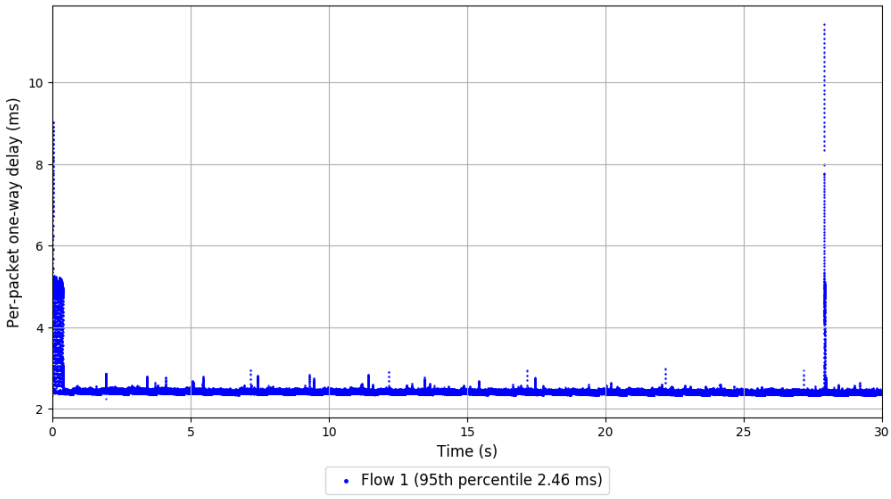
```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-03 07:37:32
End at: 2018-04-03 07:38:02
Local clock offset: -7.134 ms
Remote clock offset: -6.698 ms

# Below is generated by plot.py at 2018-04-03 11:30:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 2.458 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 2.458 ms
Loss rate: 0.02%
```

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



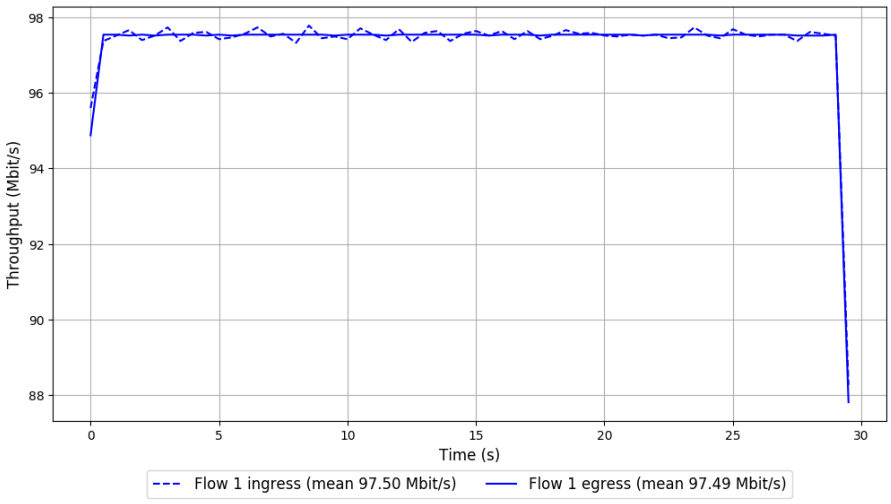


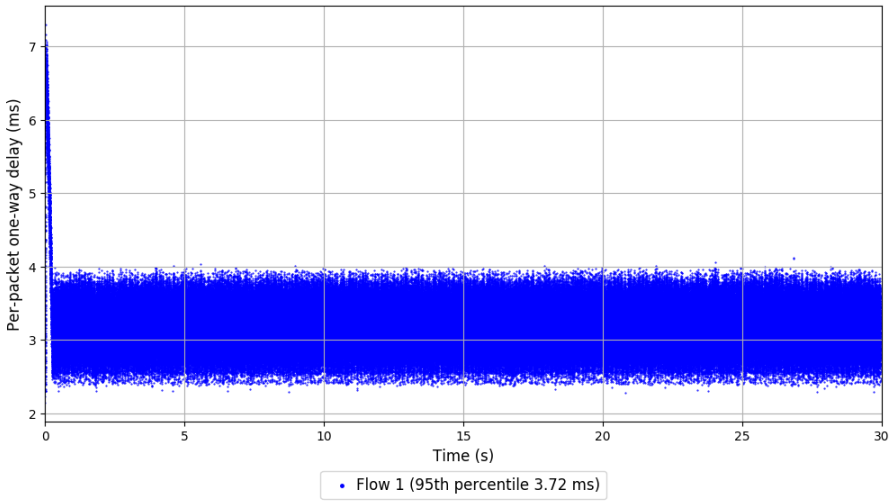
```
Run 1: Statistics of TCP Vegas

Start at: 2018-04-03 04:26:12
End at: 2018-04-03 04:26:42
Local clock offset: -5.952 ms
Remote clock offset: -5.92 ms

# Below is generated by plot.py at 2018-04-03 11:30:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.721 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.721 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link



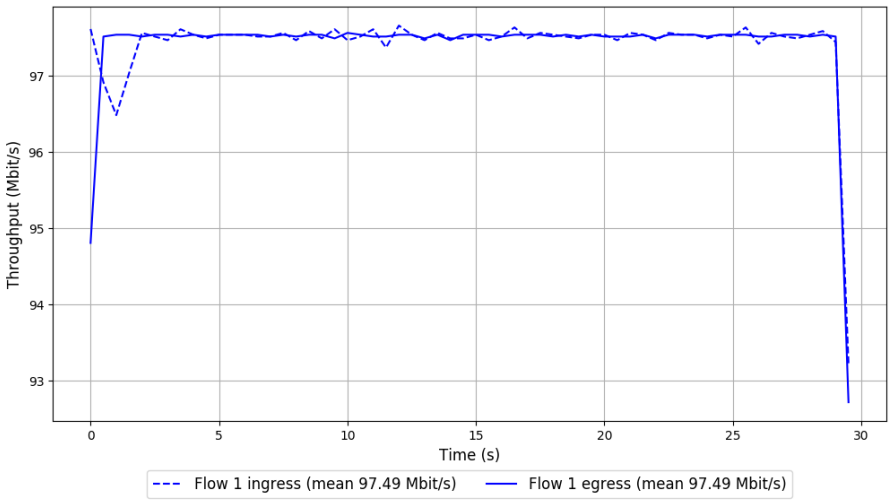


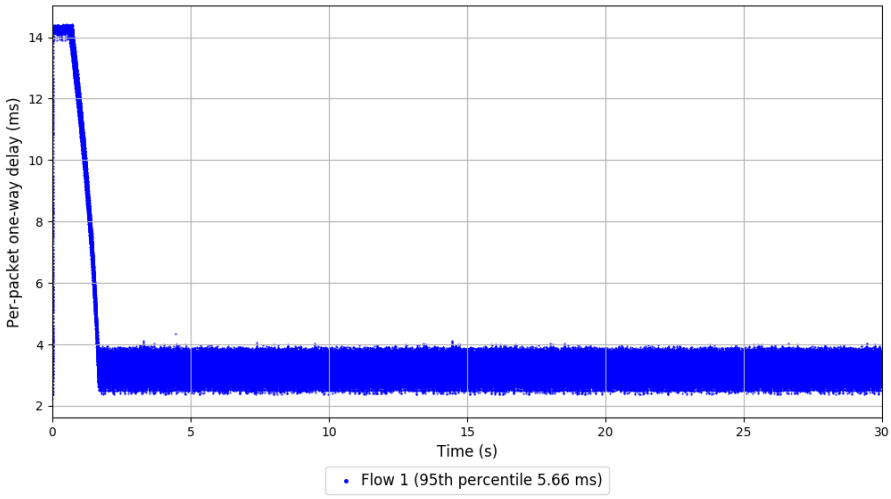
```
Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 04:46:36
End at: 2018-04-03 04:47:06
Local clock offset: -5.79 ms
Remote clock offset: -5.68 ms

# Below is generated by plot.py at 2018-04-03 11:30:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.660 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.660 ms
Loss rate: 0.02%
```

Run 2: Report of TCP Vegas — Data Link



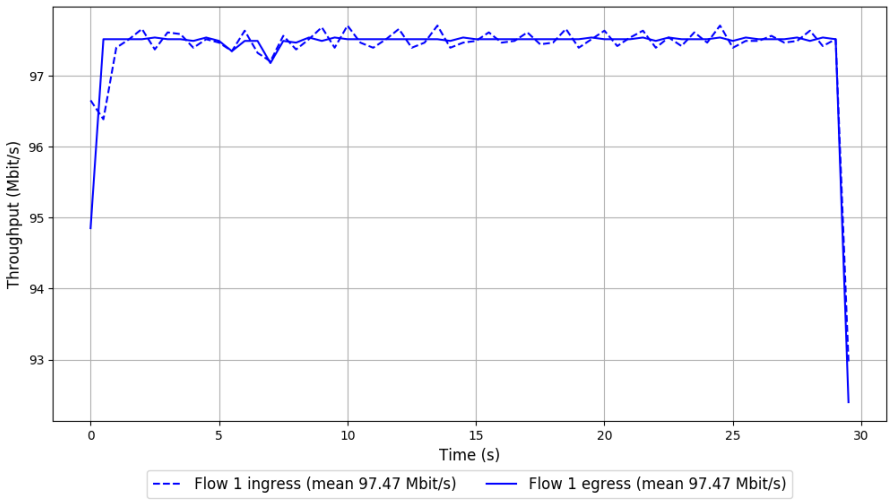


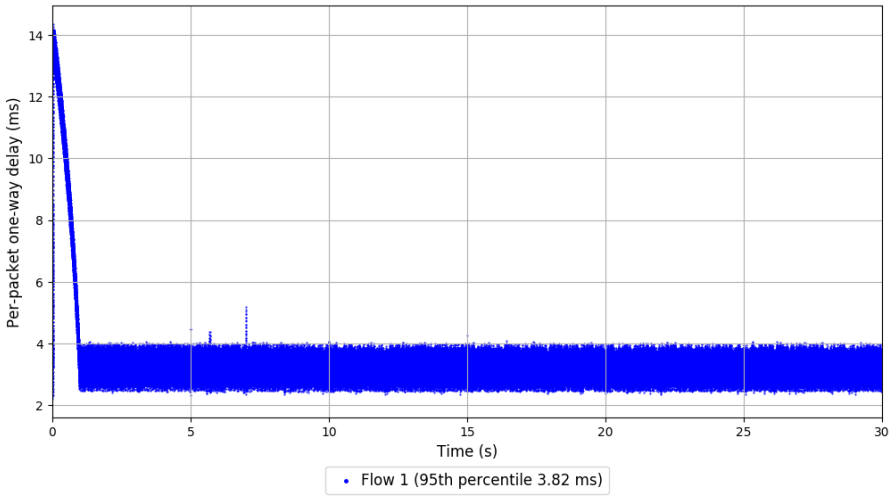
```
Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 05:06:59
End at: 2018-04-03 05:07:29
Local clock offset: -5.588 ms
Remote clock offset: -5.965 ms

# Below is generated by plot.py at 2018-04-03 11:30:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.822 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.822 ms
Loss rate: 0.02%
```

Run 3: Report of TCP Vegas — Data Link



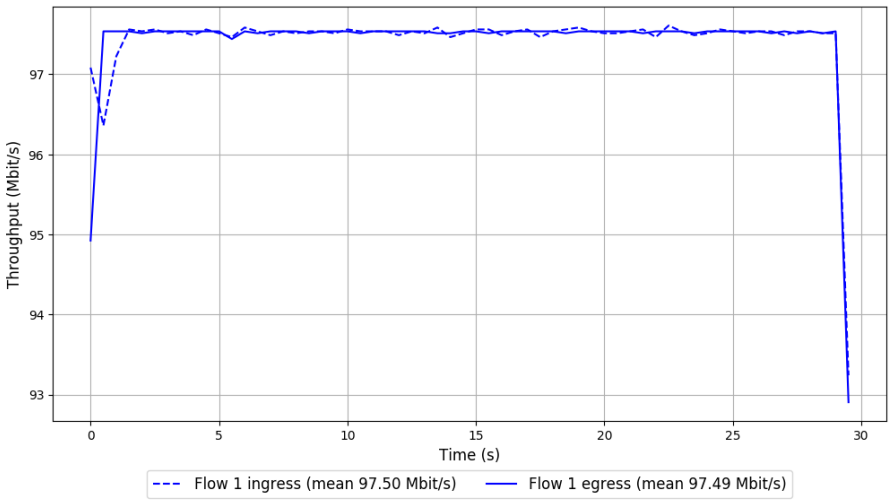


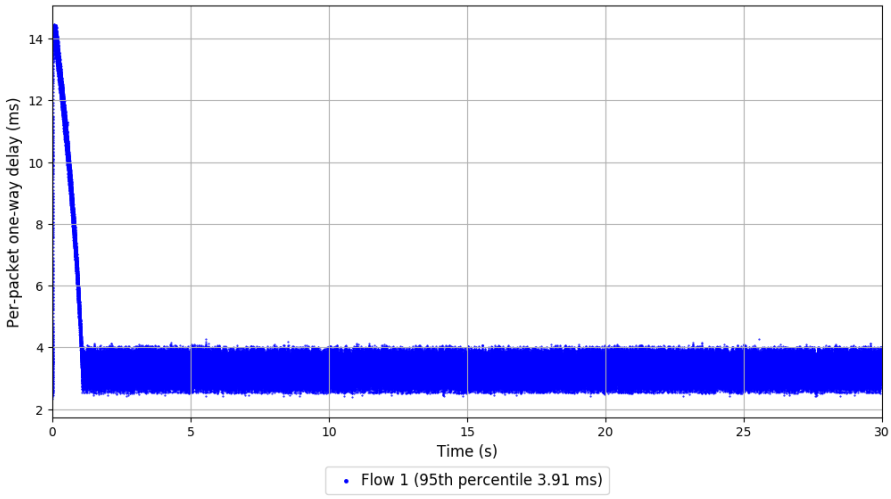
```
Run 4: Statistics of TCP Vegas

Start at: 2018-04-03 05:27:23
End at: 2018-04-03 05:27:53
Local clock offset: -5.741 ms
Remote clock offset: -5.935 ms

# Below is generated by plot.py at 2018-04-03 11:30:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.907 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.907 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Vegas — Data Link



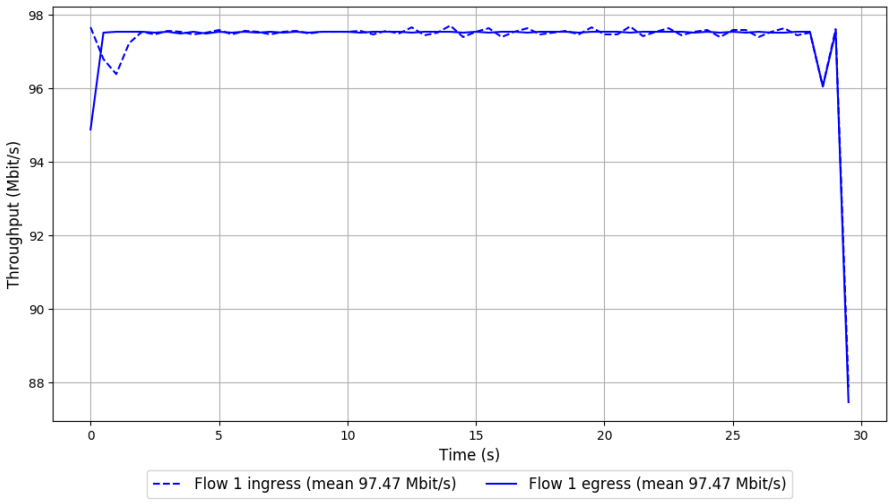


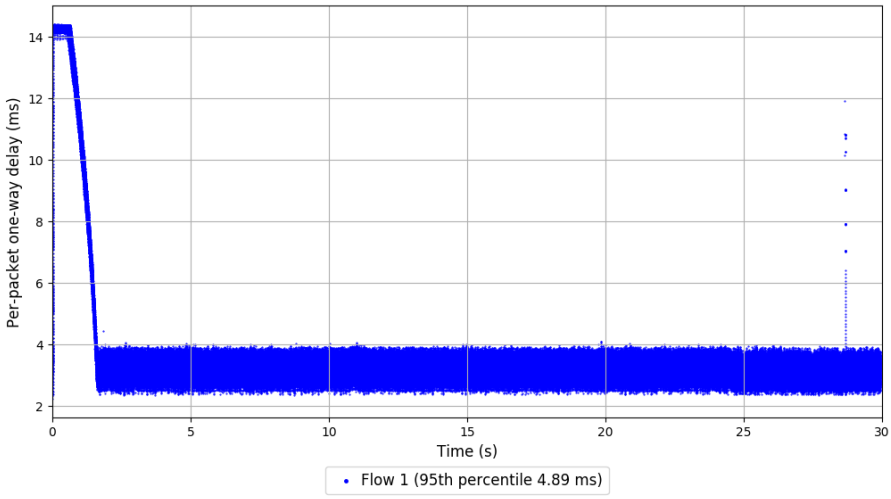
```
Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 05:47:45
End at: 2018-04-03 05:48:15
Local clock offset: -5.756 ms
Remote clock offset: -5.734 ms

# Below is generated by plot.py at 2018-04-03 11:30:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.893 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.893 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Vegas — Data Link



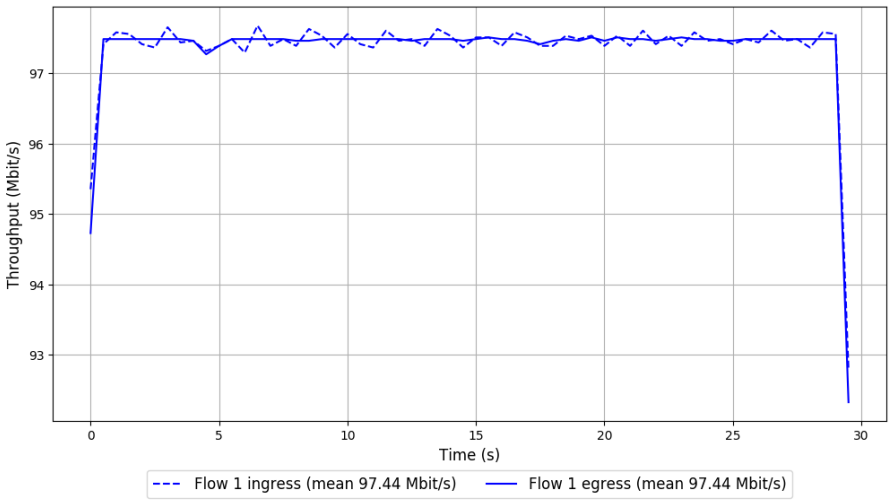


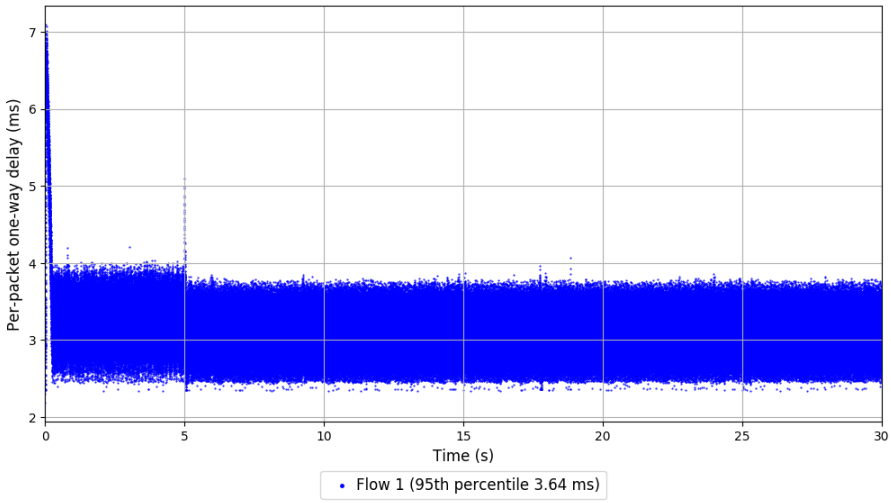
```
Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 06:08:07
End at: 2018-04-03 06:08:38
Local clock offset: -6.336 ms
Remote clock offset: -5.744 ms

# Below is generated by plot.py at 2018-04-03 11:30:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.637 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.637 ms
Loss rate: 0.02%
```

Run 6: Report of TCP Vegas — Data Link



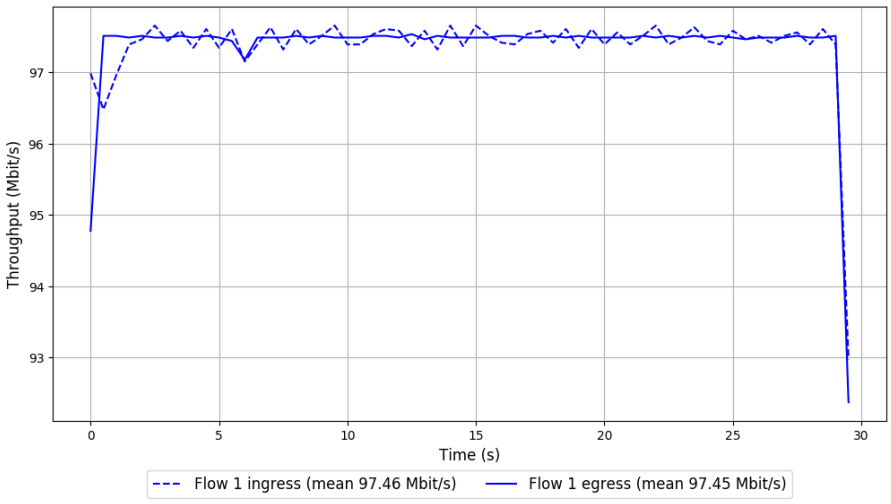


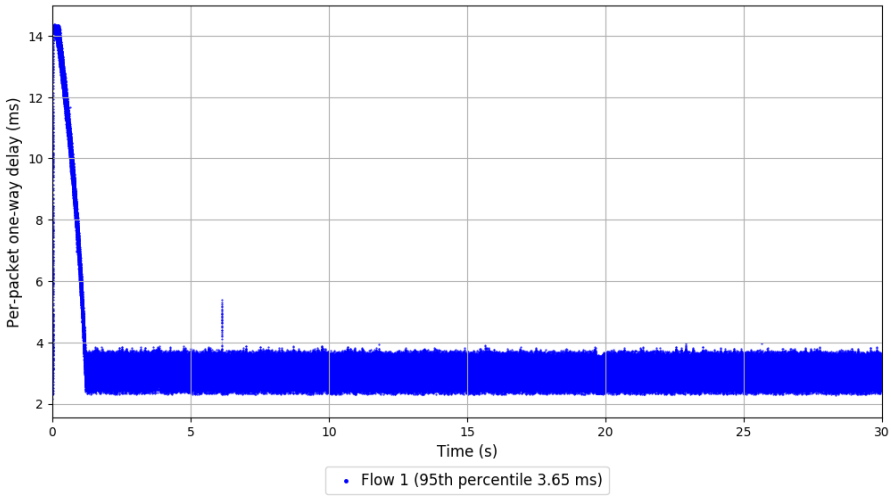
```
Run 7: Statistics of TCP Vegas

Start at: 2018-04-03 06:28:31
End at: 2018-04-03 06:29:01
Local clock offset: -6.339 ms
Remote clock offset: -5.719 ms

# Below is generated by plot.py at 2018-04-03 11:31:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 3.649 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 3.649 ms
Loss rate: 0.02%
```

Run 7: Report of TCP Vegas — Data Link



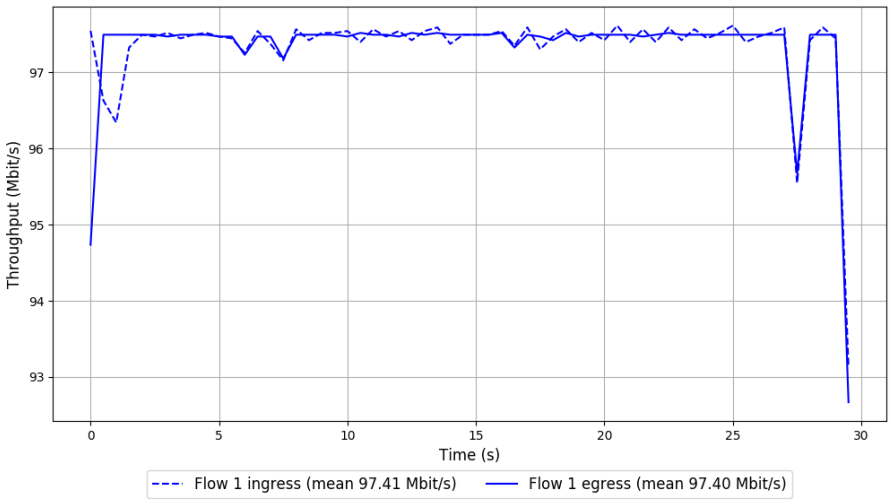


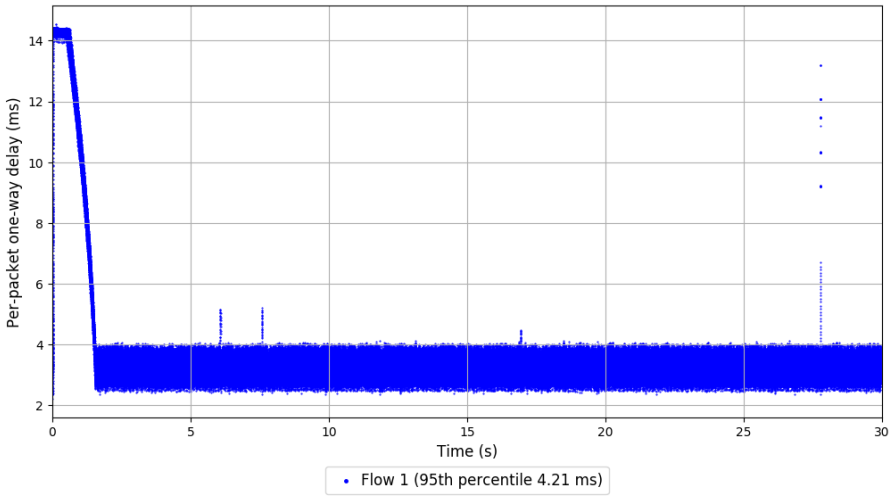
```
Run 8: Statistics of TCP Vegas

Start at: 2018-04-03 06:48:53
End at: 2018-04-03 06:49:23
Local clock offset: -6.043 ms
Remote clock offset: -5.739 ms

# Below is generated by plot.py at 2018-04-03 11:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 4.209 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 4.209 ms
Loss rate: 0.02%
```

Run 8: Report of TCP Vegas — Data Link



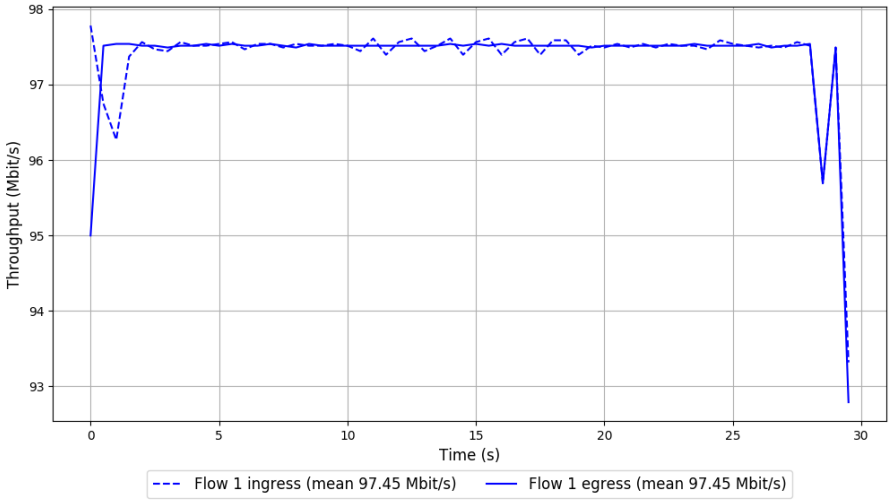


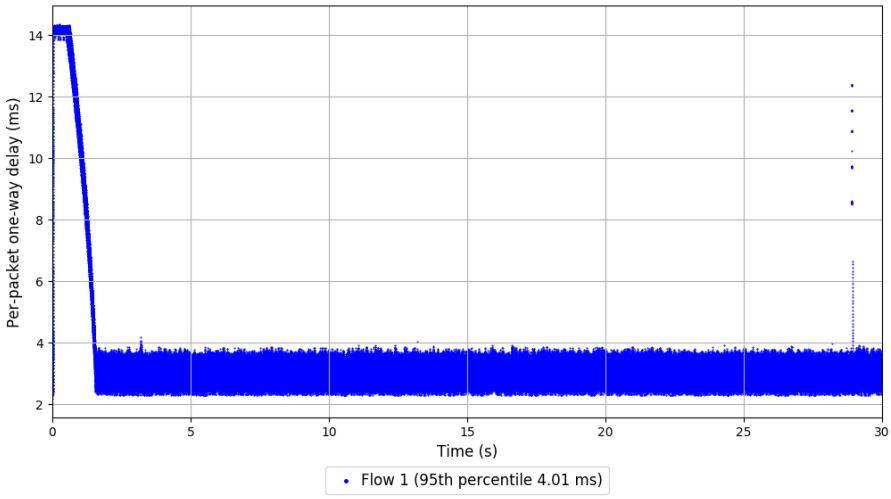
```
Run 9: Statistics of TCP Vegas

Start at: 2018-04-03 07:09:16
End at: 2018-04-03 07:09:46
Local clock offset: -7.026 ms
Remote clock offset: -6.022 ms

# Below is generated by plot.py at 2018-04-03 11:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 4.011 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 4.011 ms
Loss rate: 0.02%
```

Run 9: Report of TCP Vegas — Data Link



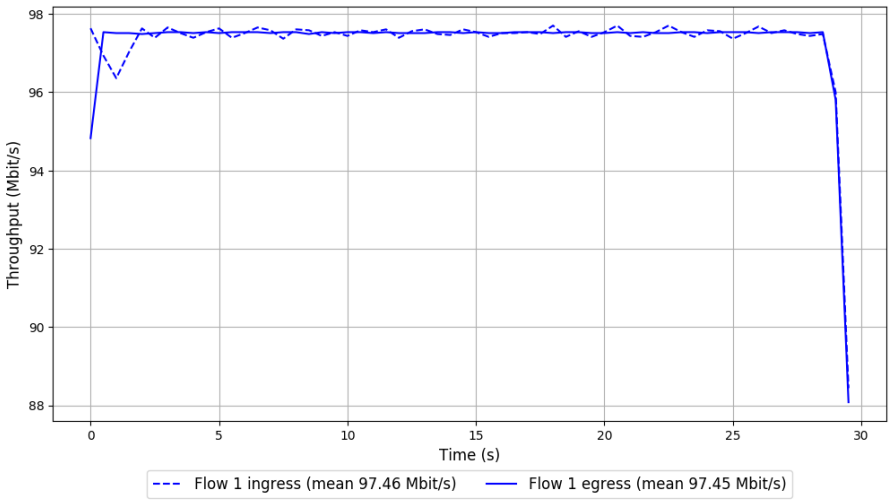


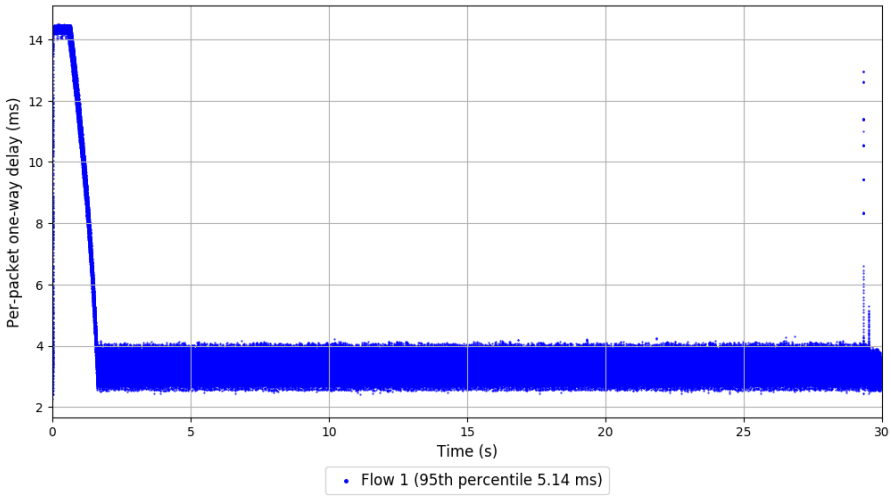
```
Run 10: Statistics of TCP Vegas

Start at: 2018-04-03 07:29:39
End at: 2018-04-03 07:30:09
Local clock offset: -7.537 ms
Remote clock offset: -6.621 ms

# Below is generated by plot.py at 2018-04-03 11:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 5.136 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 5.136 ms
Loss rate: 0.02%
```

Run 10: Report of TCP Vegas — Data Link



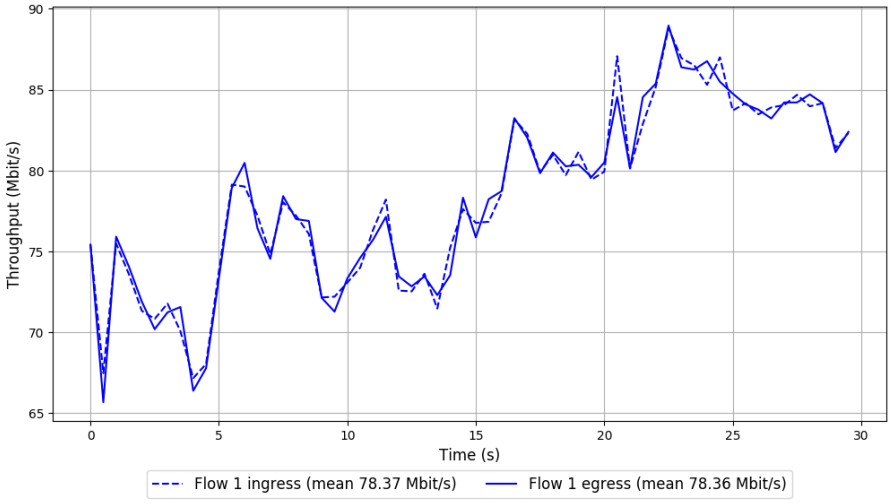


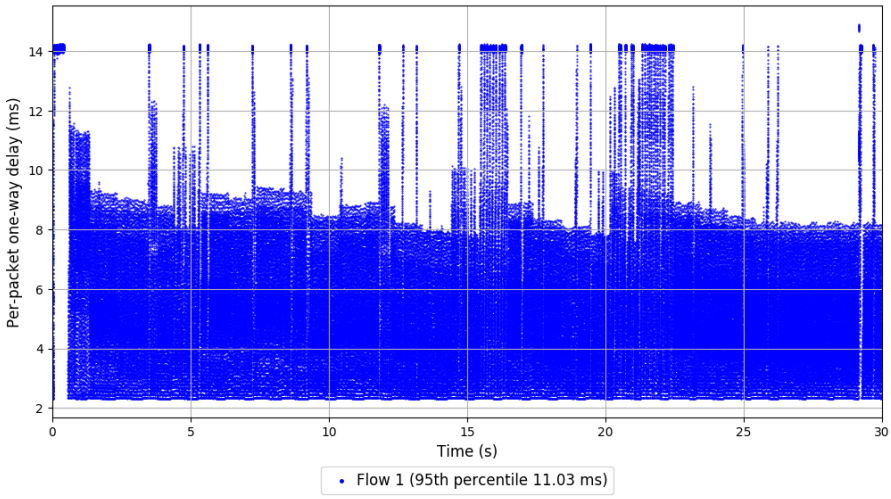
```
Run 1: Statistics of Verus

Start at: 2018-04-03 04:35:16
End at: 2018-04-03 04:35:46
Local clock offset: -5.974 ms
Remote clock offset: -5.876 ms

# Below is generated by plot.py at 2018-04-03 11:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 11.026 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 11.026 ms
Loss rate: 0.02%
```

Run 1: Report of Verus — Data Link



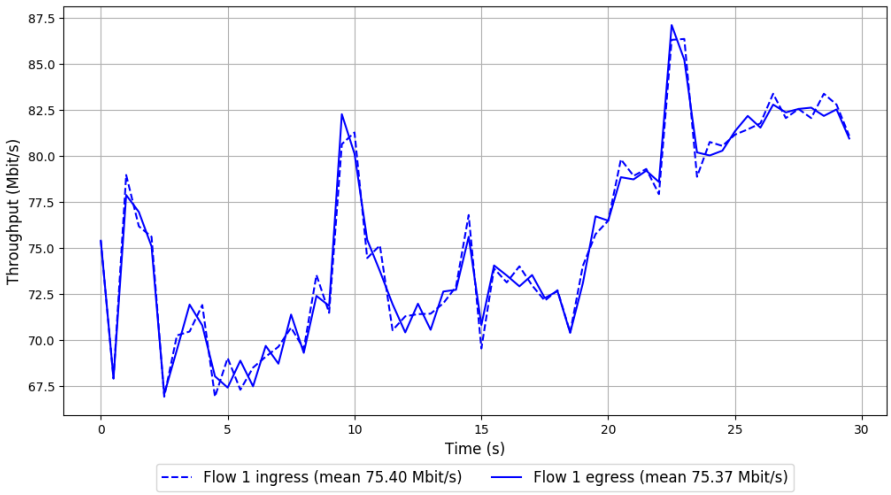


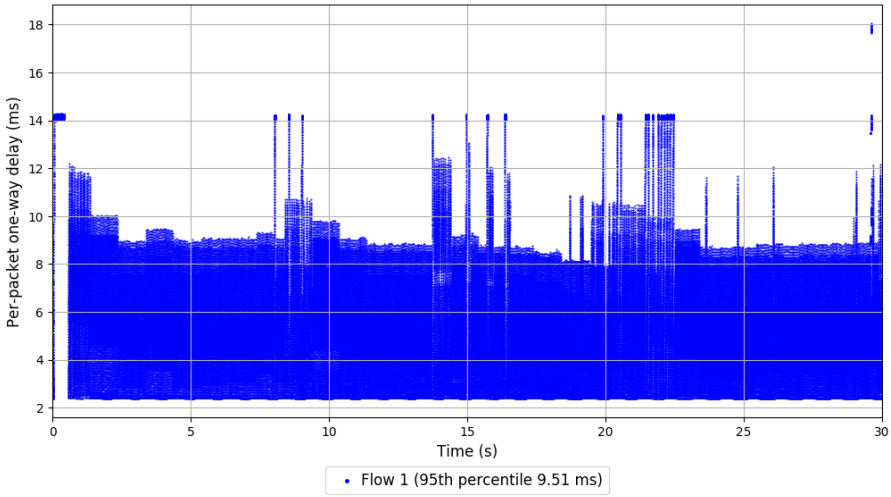
```
Run 2: Statistics of Verus

Start at: 2018-04-03 04:55:39
End at: 2018-04-03 04:56:09
Local clock offset: -5.667 ms
Remote clock offset: -5.968 ms

# Below is generated by plot.py at 2018-04-03 11:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 9.513 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 9.513 ms
Loss rate: 0.04%
```

Run 2: Report of Verus — Data Link



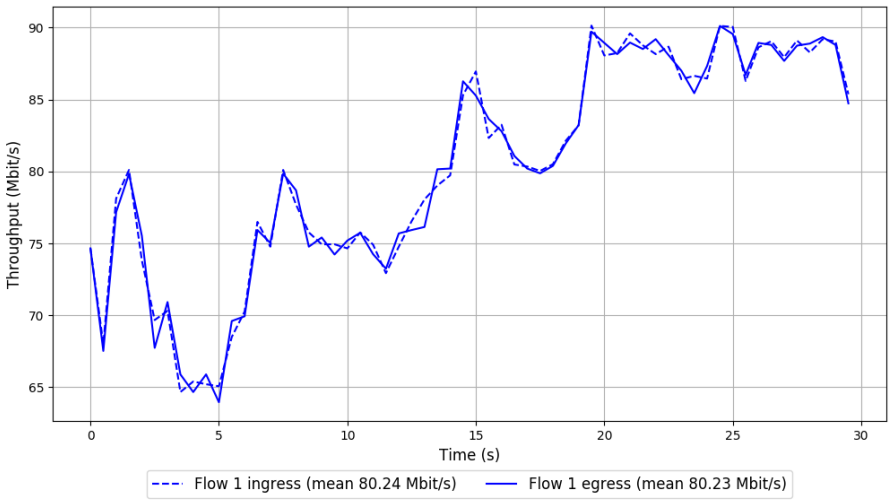


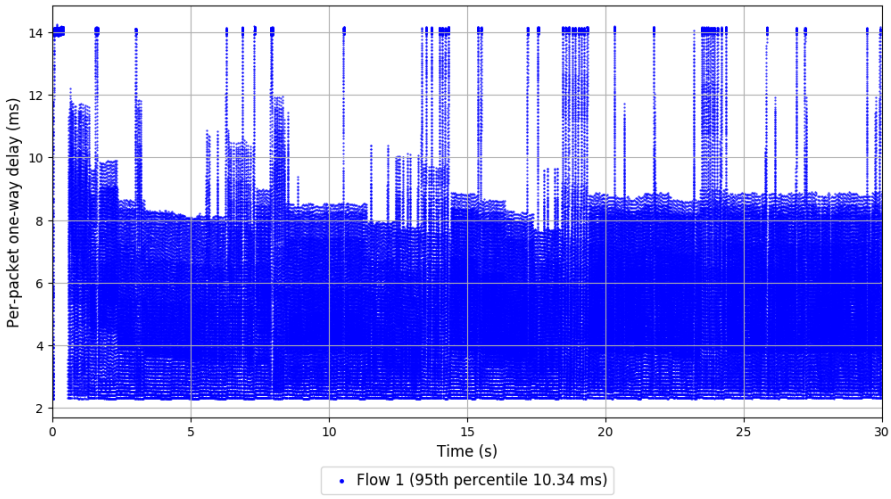
```
Run 3: Statistics of Verus

Start at: 2018-04-03 05:16:02
End at: 2018-04-03 05:16:32
Local clock offset: -5.623 ms
Remote clock offset: -5.95 ms

# Below is generated by plot.py at 2018-04-03 11:31:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 10.339 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 10.339 ms
Loss rate: 0.03%
```

Run 3: Report of Verus — Data Link



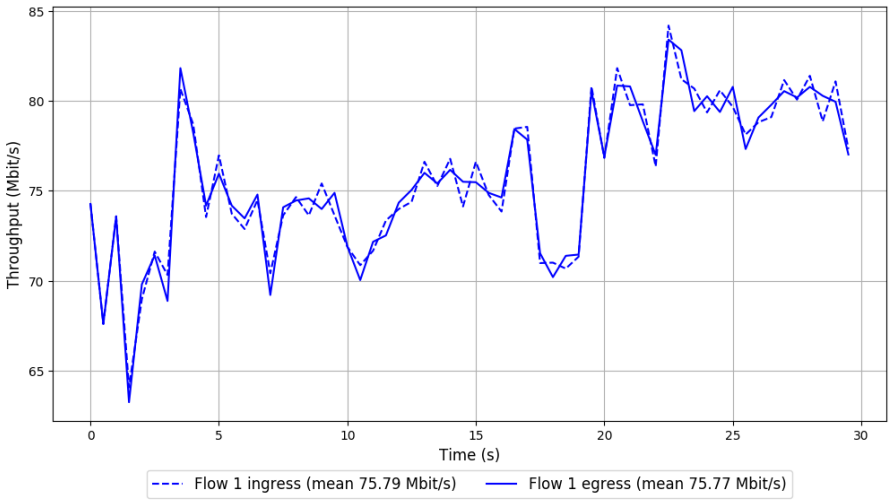


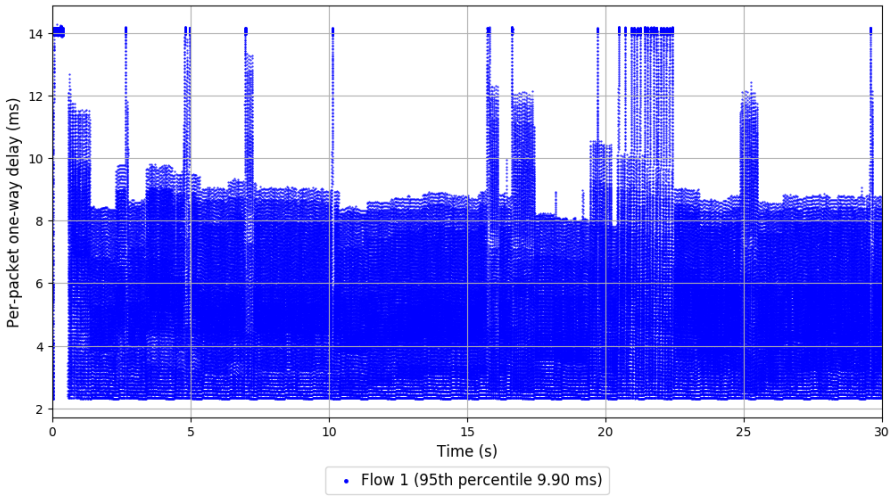
```
Run 4: Statistics of Verus

Start at: 2018-04-03 05:36:25
End at: 2018-04-03 05:36:55
Local clock offset: -5.856 ms
Remote clock offset: -5.874 ms

# Below is generated by plot.py at 2018-04-03 11:31:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 9.901 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 9.901 ms
Loss rate: 0.03%
```

Run 4: Report of Verus — Data Link



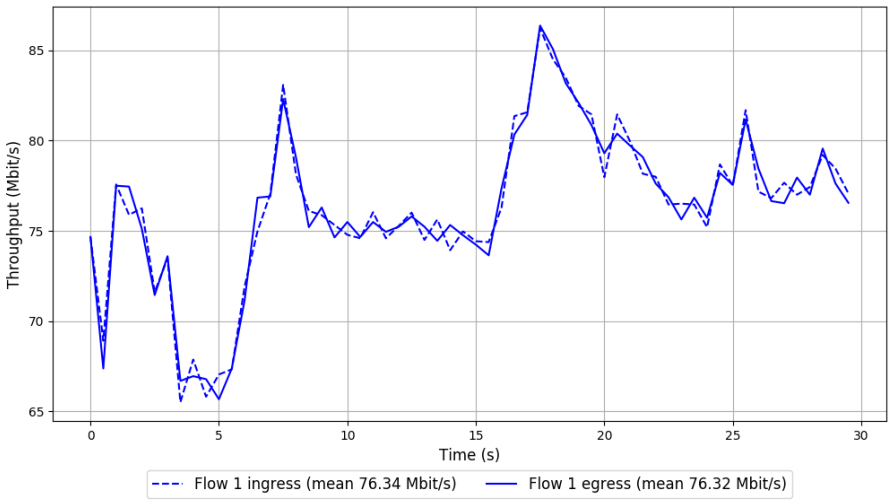


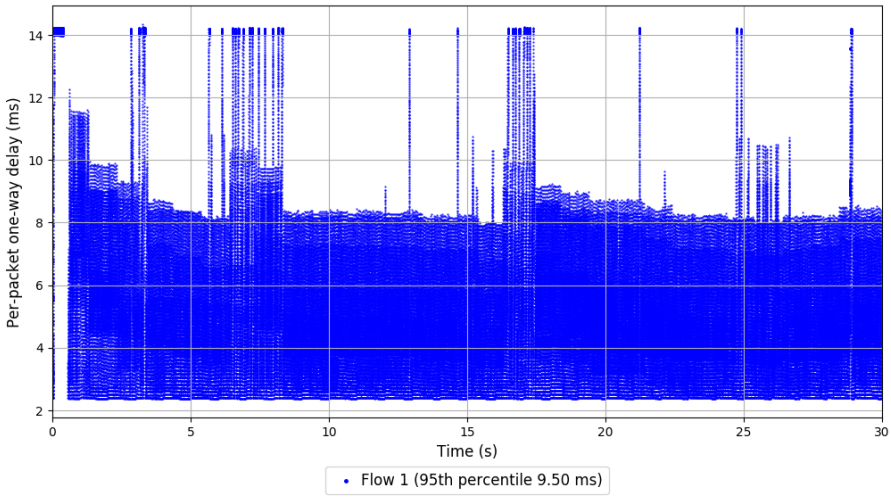
```
Run 5: Statistics of Verus

Start at: 2018-04-03 05:56:48
End at: 2018-04-03 05:57:18
Local clock offset: -6.08 ms
Remote clock offset: -5.694 ms

# Below is generated by plot.py at 2018-04-03 11:32:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 9.498 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 9.498 ms
Loss rate: 0.04%
```

Run 5: Report of Verus — Data Link



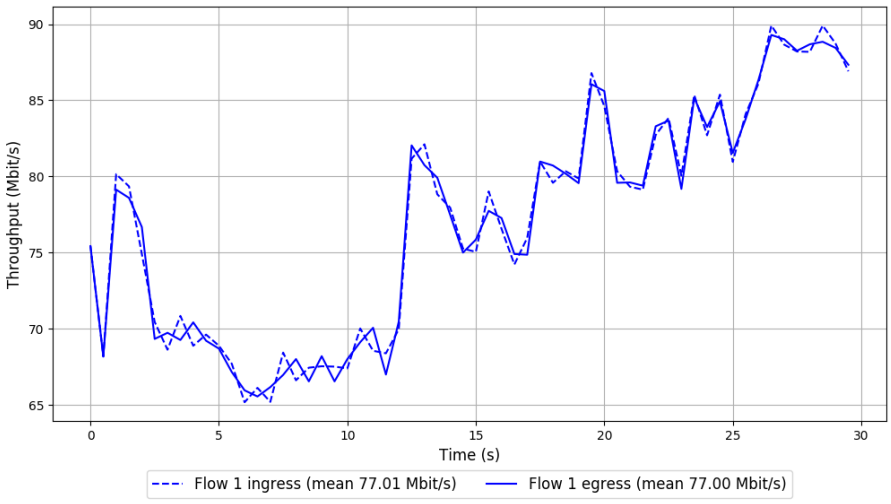


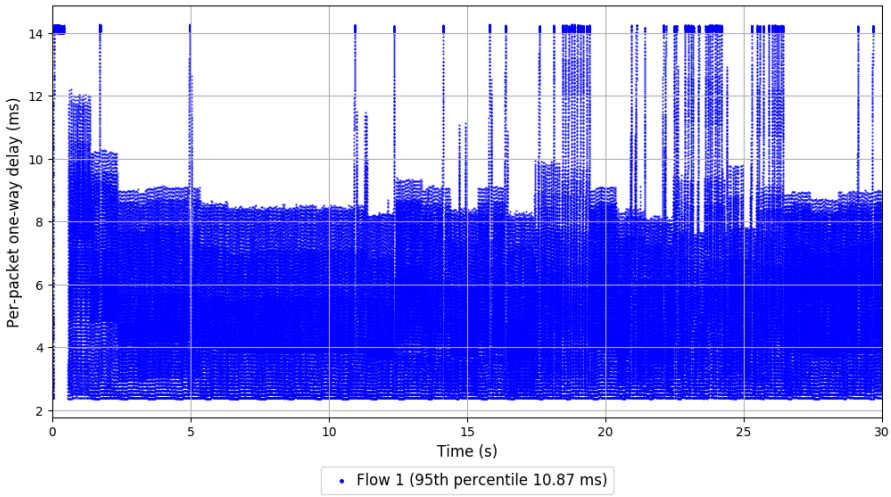
```
Run 6: Statistics of Verus

Start at: 2018-04-03 06:17:10
End at: 2018-04-03 06:17:40
Local clock offset: -6.464 ms
Remote clock offset: -5.811 ms

# Below is generated by plot.py at 2018-04-03 11:32:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 10.865 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 10.865 ms
Loss rate: 0.03%
```

Run 6: Report of Verus — Data Link



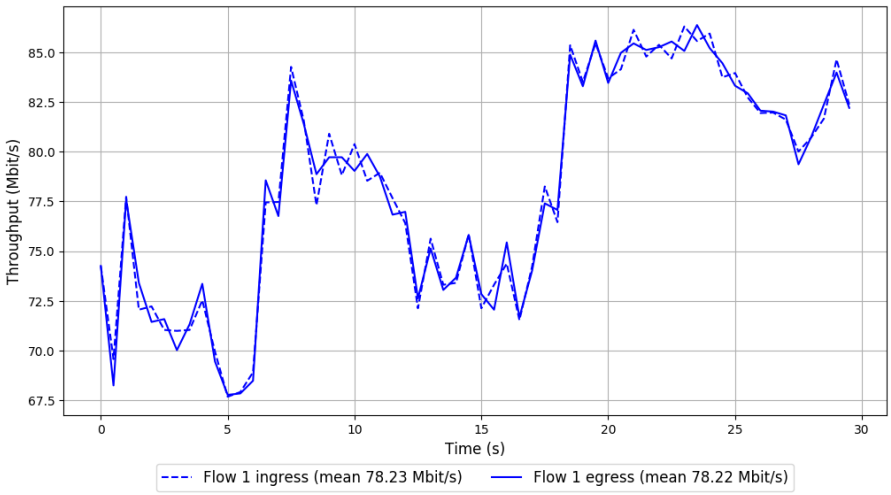


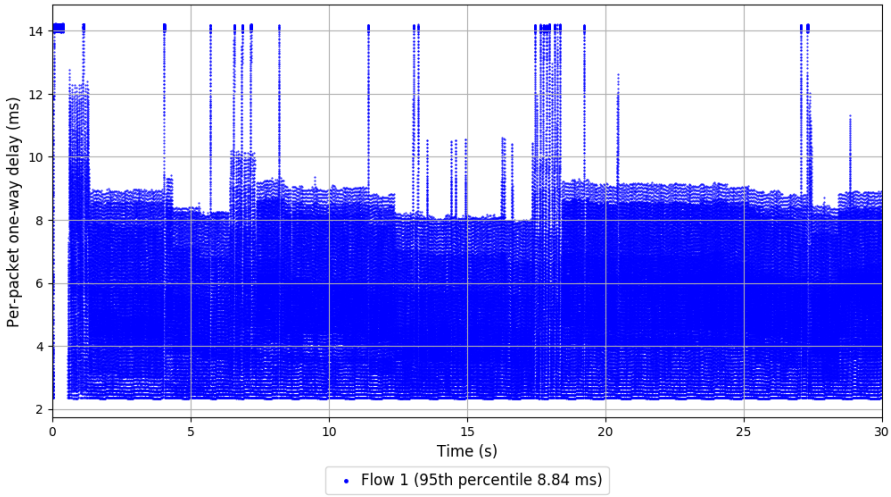
```
Run 7: Statistics of Verus

Start at: 2018-04-03 06:37:33
End at: 2018-04-03 06:38:03
Local clock offset: -6.096 ms
Remote clock offset: -5.718 ms

# Below is generated by plot.py at 2018-04-03 11:32:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 8.838 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 8.838 ms
Loss rate: 0.03%
```

Run 7: Report of Verus — Data Link



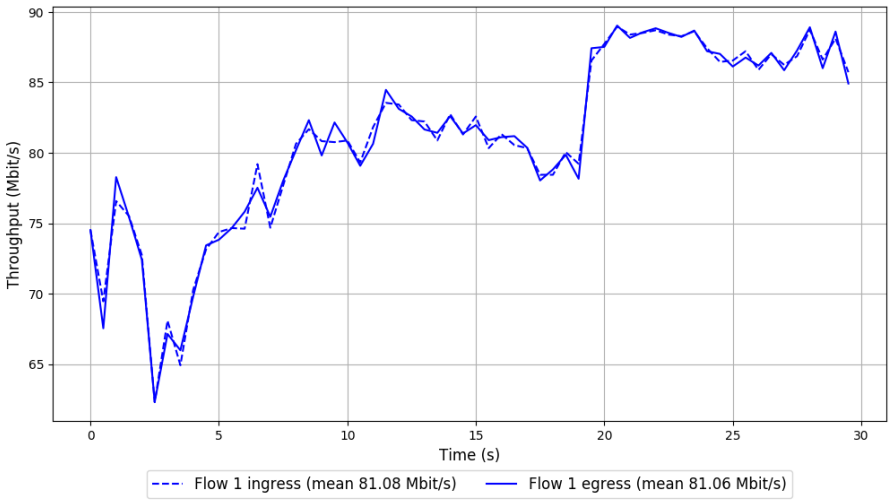


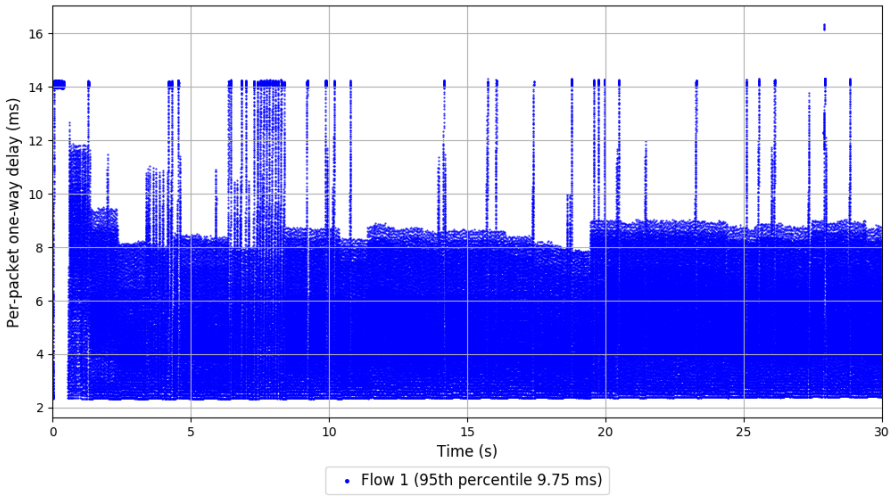
```
Run 8: Statistics of Verus

Start at: 2018-04-03 06:57:56
End at: 2018-04-03 06:58:26
Local clock offset: -5.957 ms
Remote clock offset: -5.661 ms

# Below is generated by plot.py at 2018-04-03 11:32:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 9.746 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 9.746 ms
Loss rate: 0.03%
```

Run 8: Report of Verus — Data Link



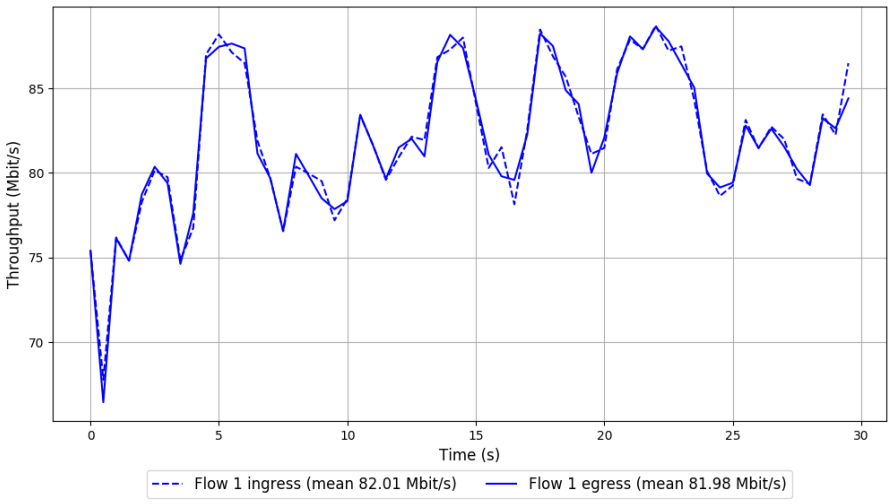


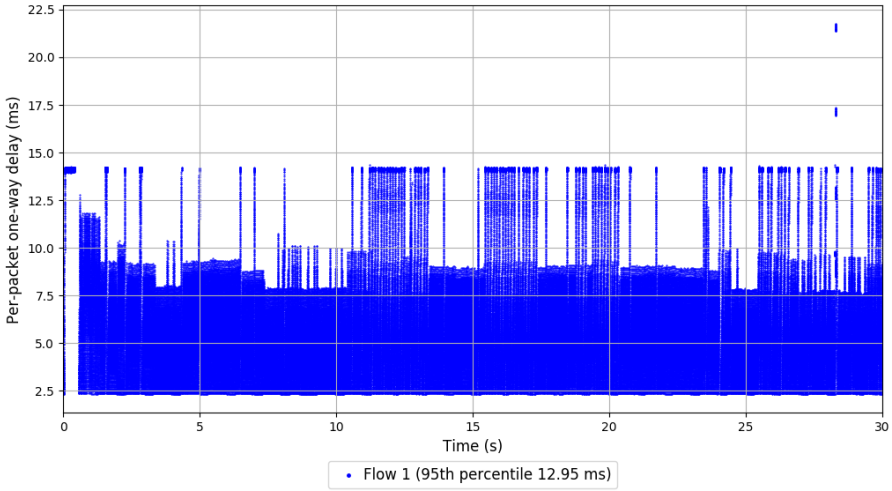
```
Run 9: Statistics of Verus

Start at: 2018-04-03 07:18:19
End at: 2018-04-03 07:18:49
Local clock offset: -7.302 ms
Remote clock offset: -6.349 ms

# Below is generated by plot.py at 2018-04-03 11:32:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 12.945 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 12.945 ms
Loss rate: 0.05%
```

Run 9: Report of Verus — Data Link



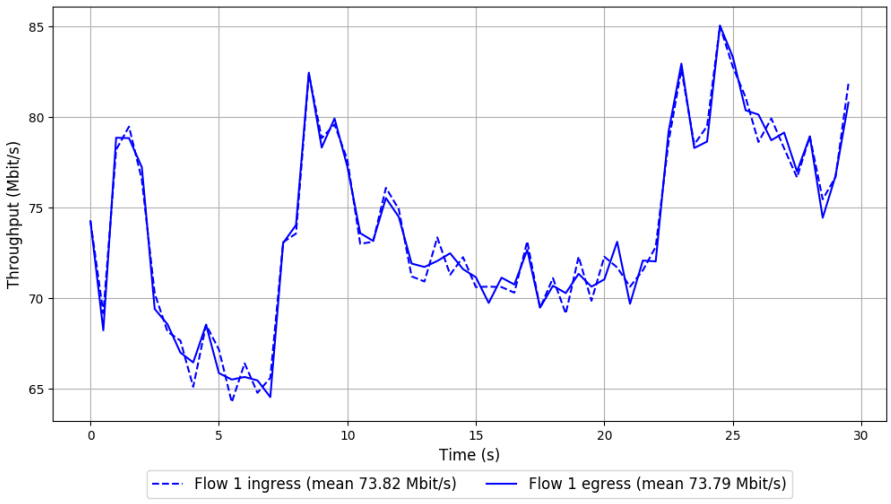


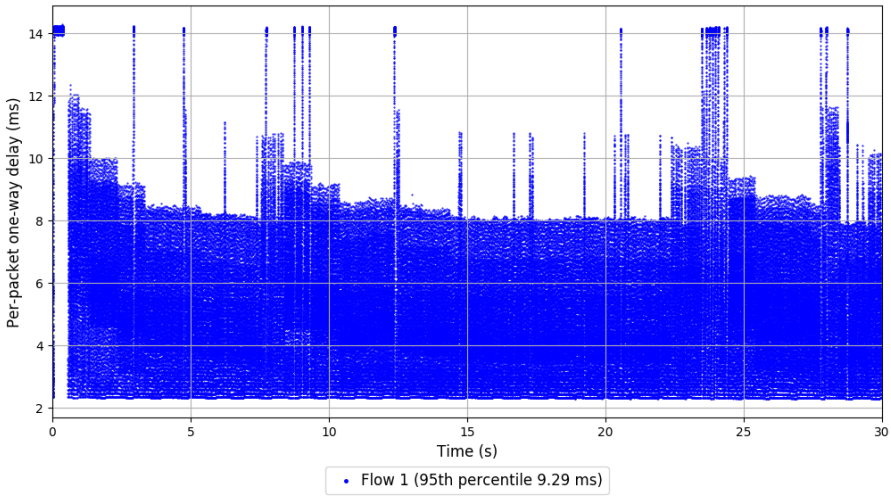
```
Run 10: Statistics of Verus

Start at: 2018-04-03 07:38:42
End at: 2018-04-03 07:39:12
Local clock offset: -7.065 ms
Remote clock offset: -6.662 ms

# Below is generated by plot.py at 2018-04-03 11:32:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.79 Mbit/s
95th percentile per-packet one-way delay: 9.289 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 73.79 Mbit/s
95th percentile per-packet one-way delay: 9.289 ms
Loss rate: 0.04%
```

Run 10: Report of Verus — Data Link



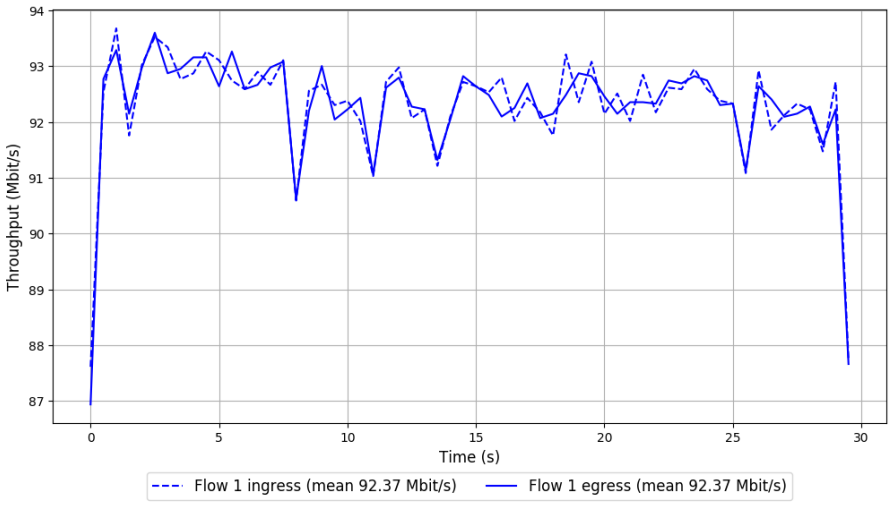


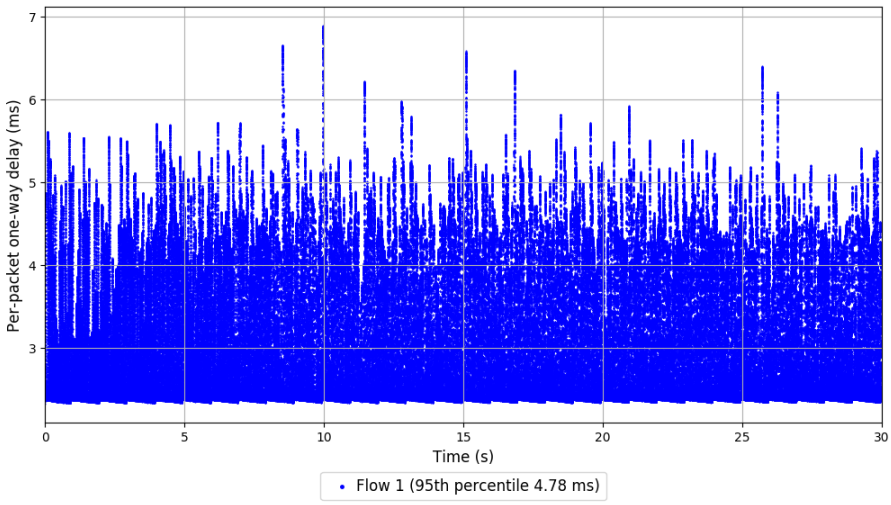
```
Run 1: Statistics of Copa

Start at: 2018-04-03 04:40:57
End at: 2018-04-03 04:41:27
Local clock offset: -5.891 ms
Remote clock offset: -5.741 ms

# Below is generated by plot.py at 2018-04-03 11:33:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 4.781 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 4.781 ms
Loss rate: 0.02%
```

Run 1: Report of Copa — Data Link



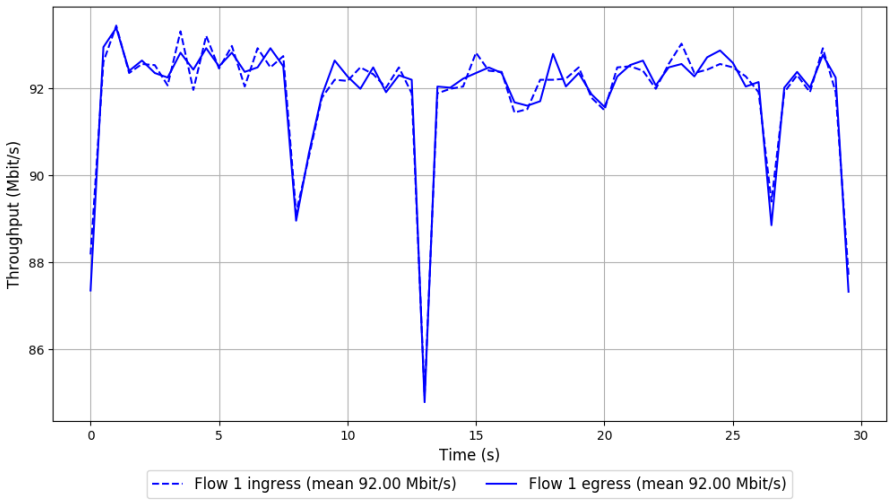


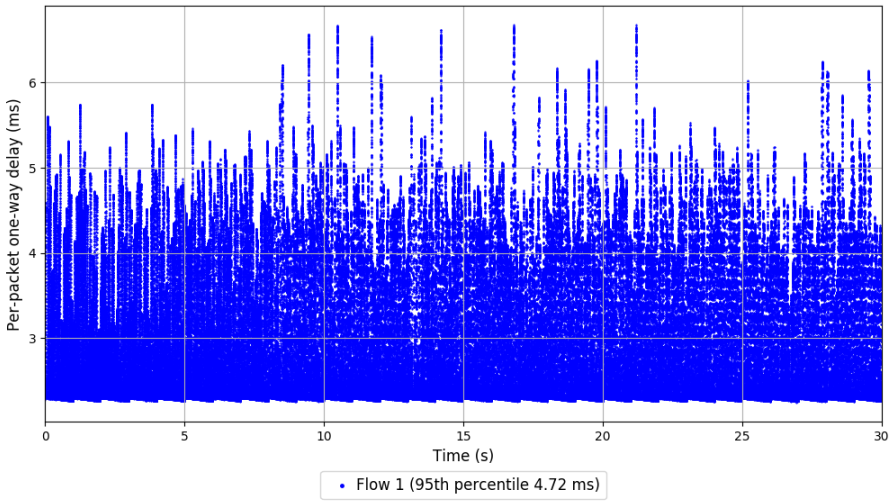
```
Run 2: Statistics of Copa

Start at: 2018-04-03 05:01:20
End at: 2018-04-03 05:01:50
Local clock offset: -5.683 ms
Remote clock offset: -5.959 ms

# Below is generated by plot.py at 2018-04-03 11:33:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 4.725 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 4.725 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link



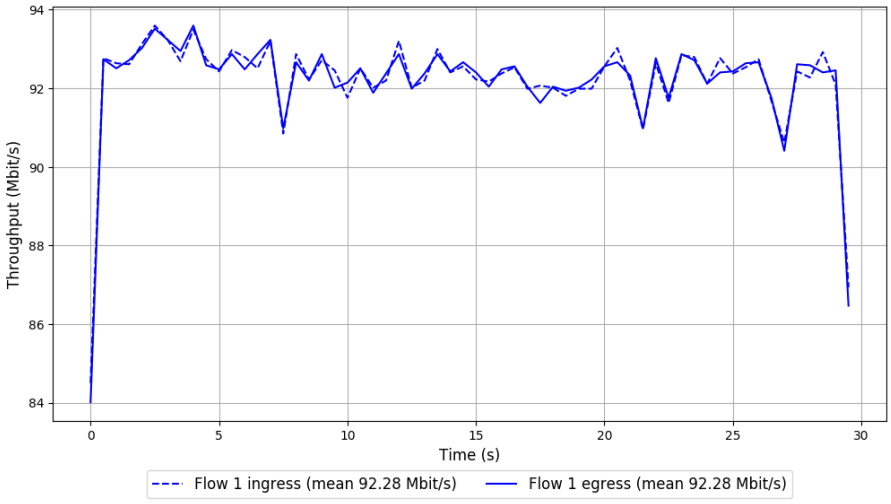


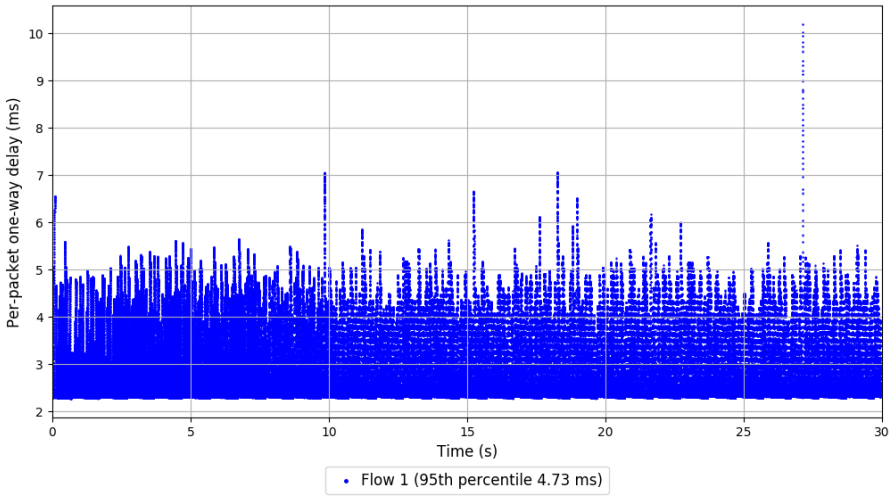
```
Run 3: Statistics of Copa

Start at: 2018-04-03 05:21:44
End at: 2018-04-03 05:22:14
Local clock offset: -5.751 ms
Remote clock offset: -5.909 ms

# Below is generated by plot.py at 2018-04-03 11:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 4.729 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 4.729 ms
Loss rate: 0.02%
```

Run 3: Report of Copa — Data Link



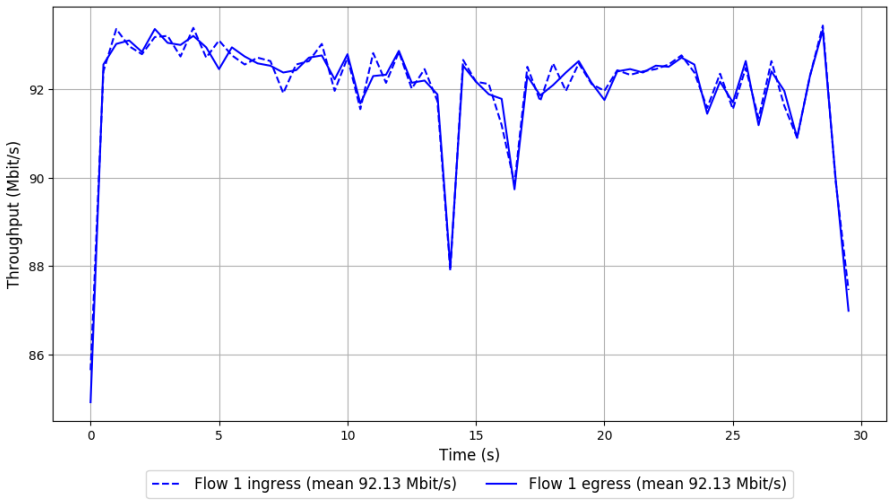


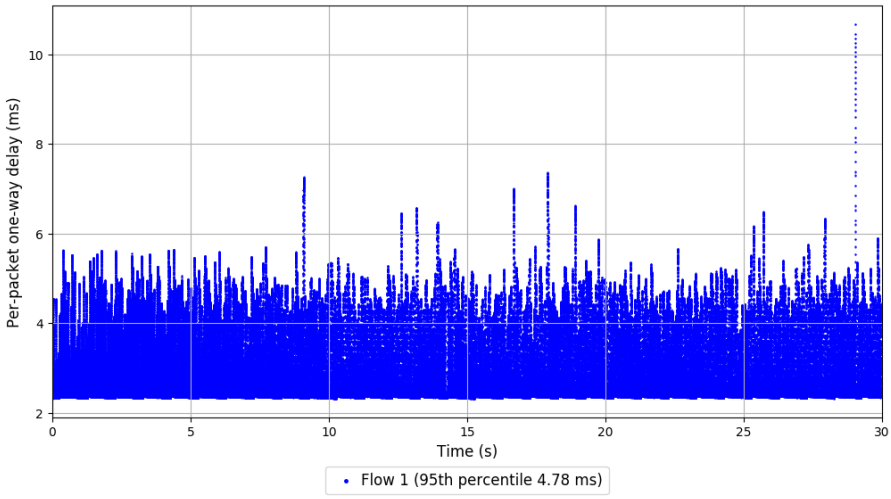
```
Run 4: Statistics of Copa

Start at: 2018-04-03 05:42:06
End at: 2018-04-03 05:42:36
Local clock offset: -5.782 ms
Remote clock offset: -5.778 ms

# Below is generated by plot.py at 2018-04-03 11:34:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 4.780 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 4.780 ms
Loss rate: 0.02%
```

Run 4: Report of Copa — Data Link



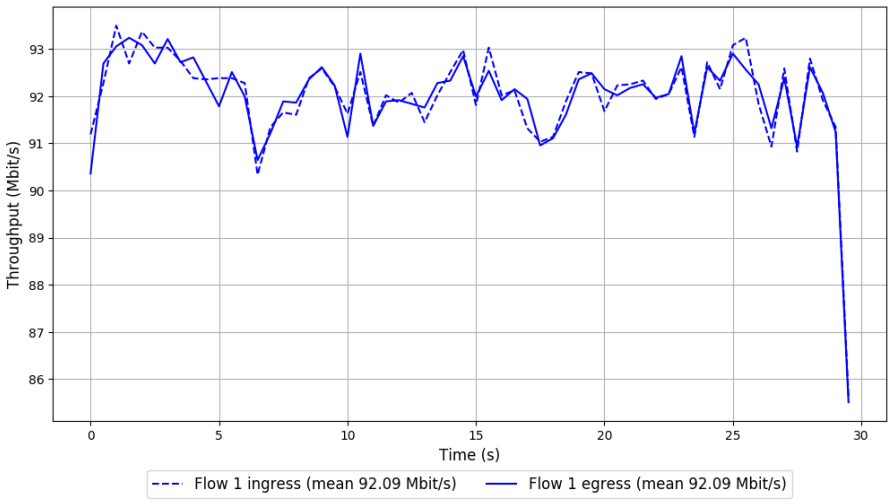


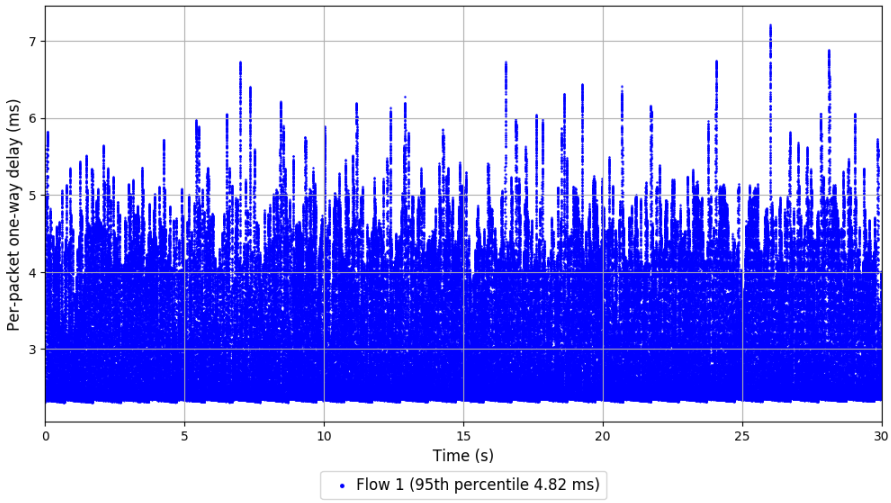
```
Run 5: Statistics of Copa

Start at: 2018-04-03 06:02:29
End at: 2018-04-03 06:02:59
Local clock offset: -6.241 ms
Remote clock offset: -5.744 ms

# Below is generated by plot.py at 2018-04-03 11:34:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 4.823 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 4.823 ms
Loss rate: 0.01%
```

Run 5: Report of Copa — Data Link



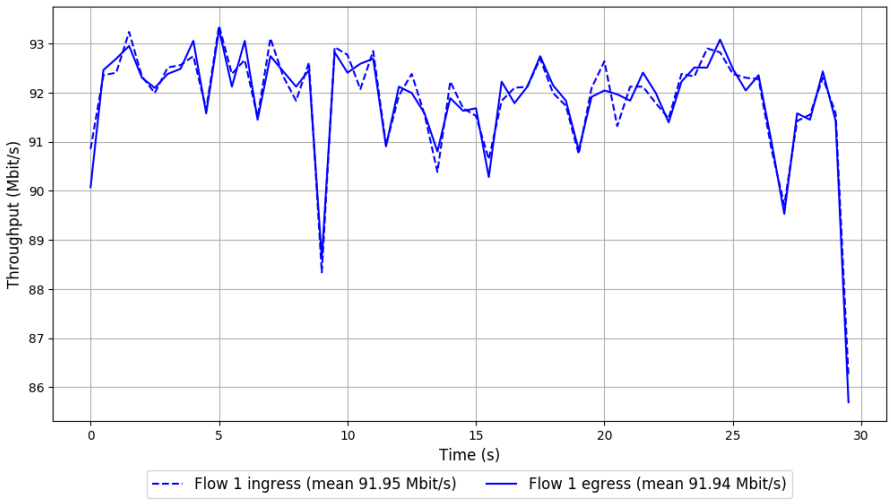


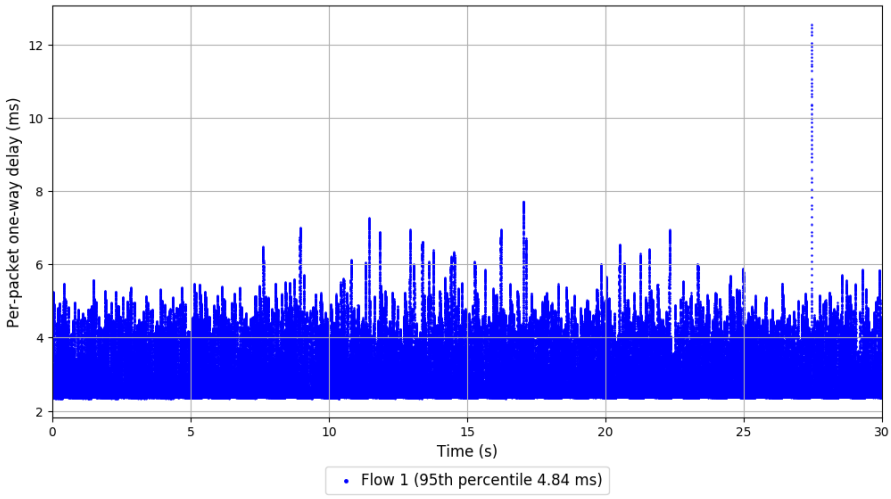
```
Run 6: Statistics of Copa

Start at: 2018-04-03 06:22:52
End at: 2018-04-03 06:23:22
Local clock offset: -6.498 ms
Remote clock offset: -5.746 ms

# Below is generated by plot.py at 2018-04-03 11:34:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 4.842 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 4.842 ms
Loss rate: 0.02%
```

Run 6: Report of Copa — Data Link



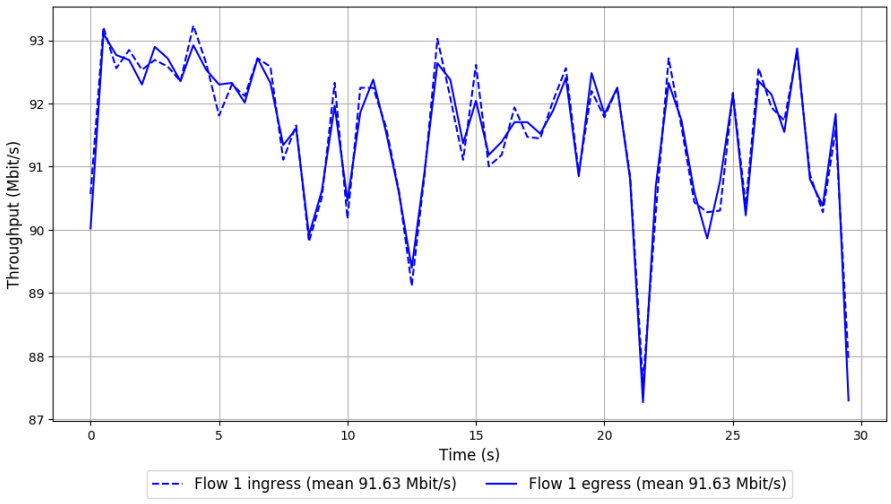


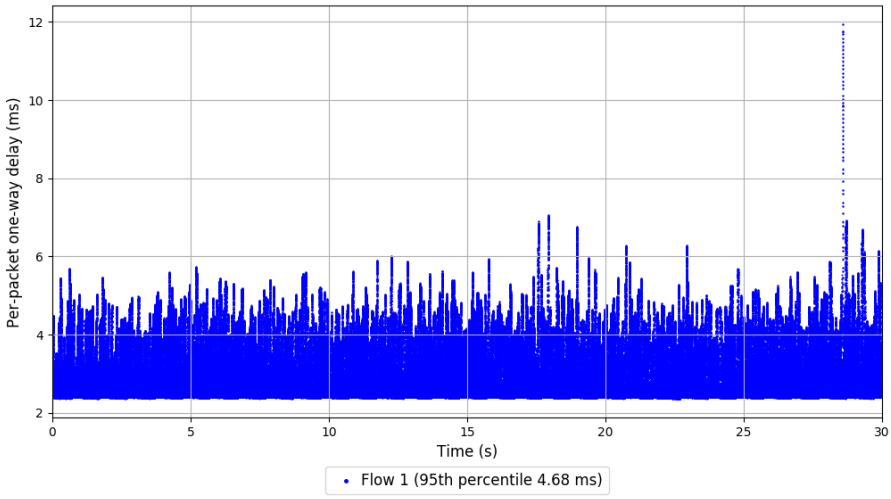
```
Run 7: Statistics of Copa

Start at: 2018-04-03 06:43:14
End at: 2018-04-03 06:43:44
Local clock offset: -6.047 ms
Remote clock offset: -5.761 ms

# Below is generated by plot.py at 2018-04-03 11:34:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 4.683 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 4.683 ms
Loss rate: 0.02%
```

Run 7: Report of Copa — Data Link



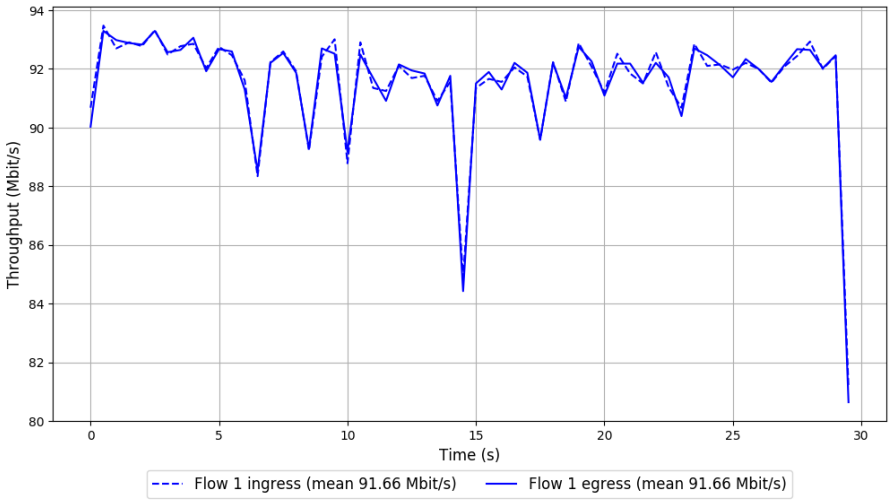


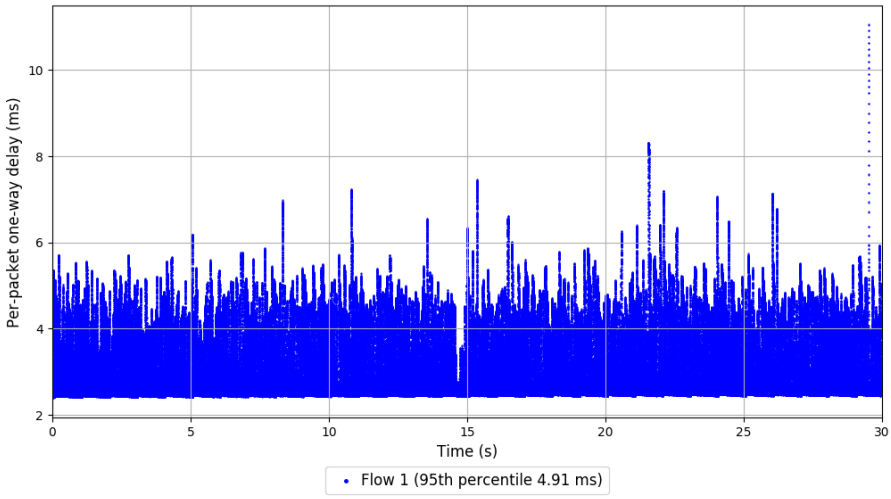
```
Run 8: Statistics of Copa

Start at: 2018-04-03 07:03:37
End at: 2018-04-03 07:04:07
Local clock offset: -6.568 ms
Remote clock offset: -5.701 ms

# Below is generated by plot.py at 2018-04-03 11:34:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 4.910 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 4.910 ms
Loss rate: 0.02%
```

Run 8: Report of Copa — Data Link



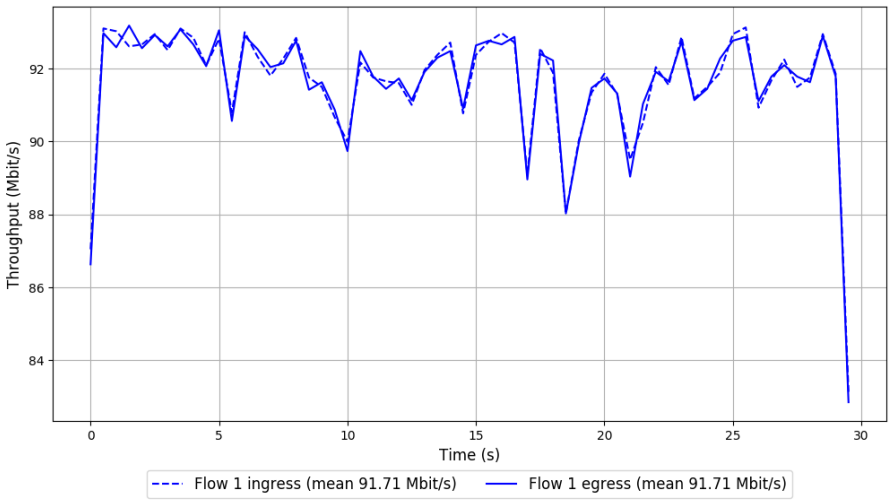


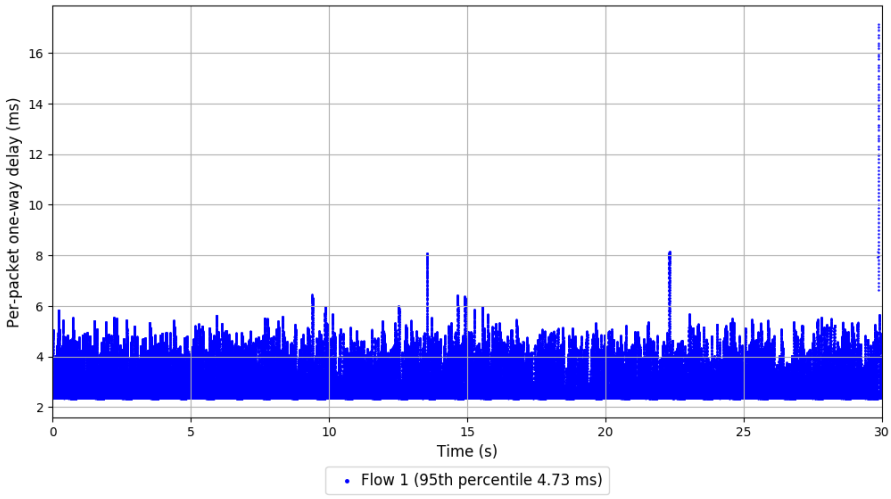
```
Run 9: Statistics of Copa

Start at: 2018-04-03 07:24:00
End at: 2018-04-03 07:24:30
Local clock offset: -7.415 ms
Remote clock offset: -6.461 ms

# Below is generated by plot.py at 2018-04-03 11:36:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 4.731 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 4.731 ms
Loss rate: 0.02%
```

Run 9: Report of Copa — Data Link



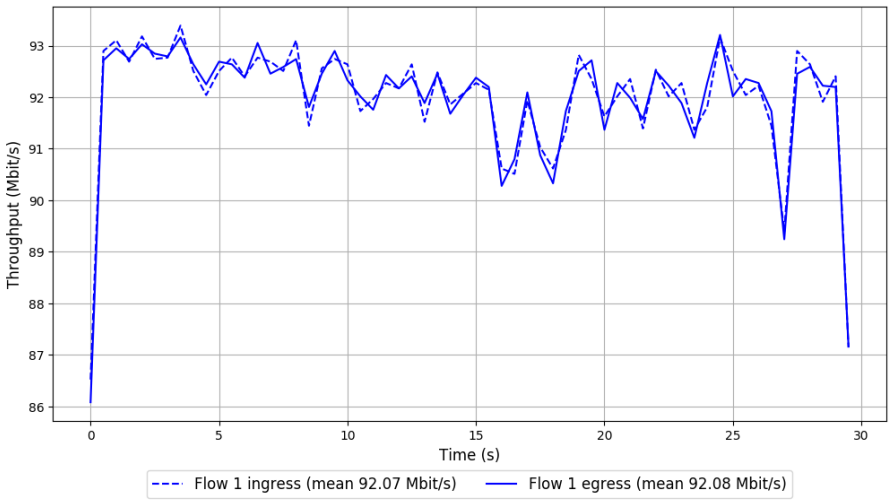


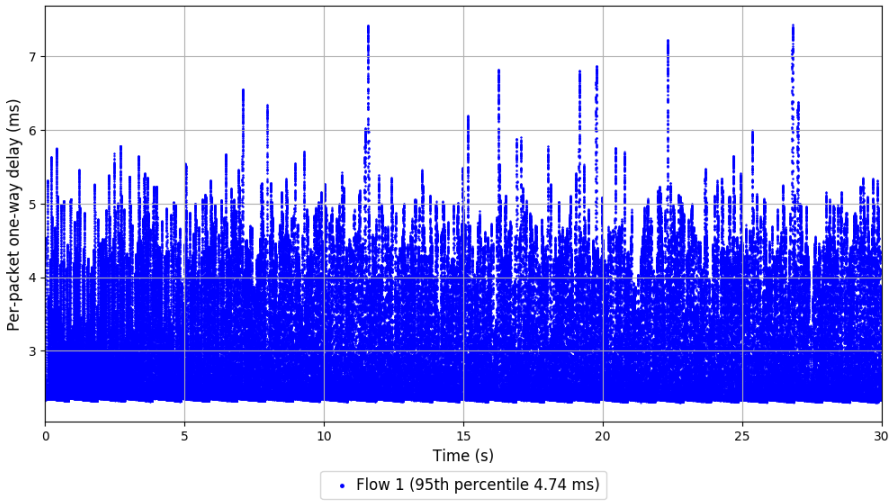
```
Run 10: Statistics of Copa

Start at: 2018-04-03 07:44:24
End at: 2018-04-03 07:44:54
Local clock offset: -6.9 ms
Remote clock offset: -6.792 ms

# Below is generated by plot.py at 2018-04-03 11:36:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 4.738 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 4.738 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link



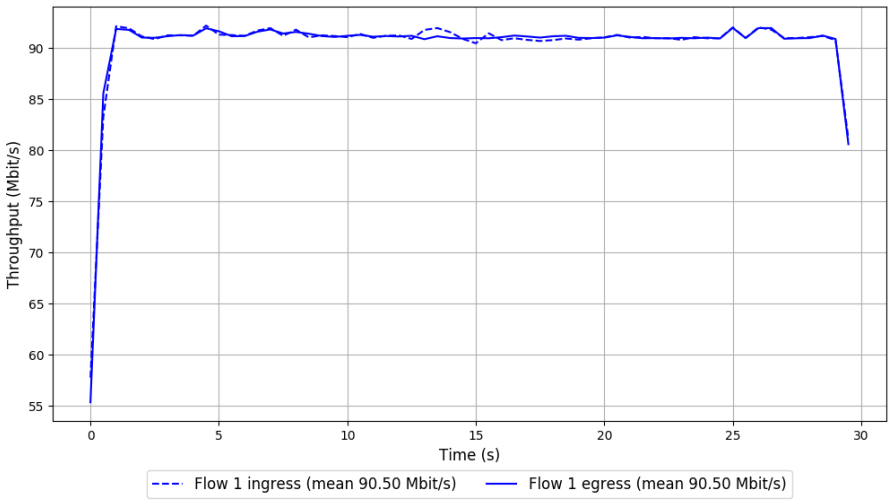


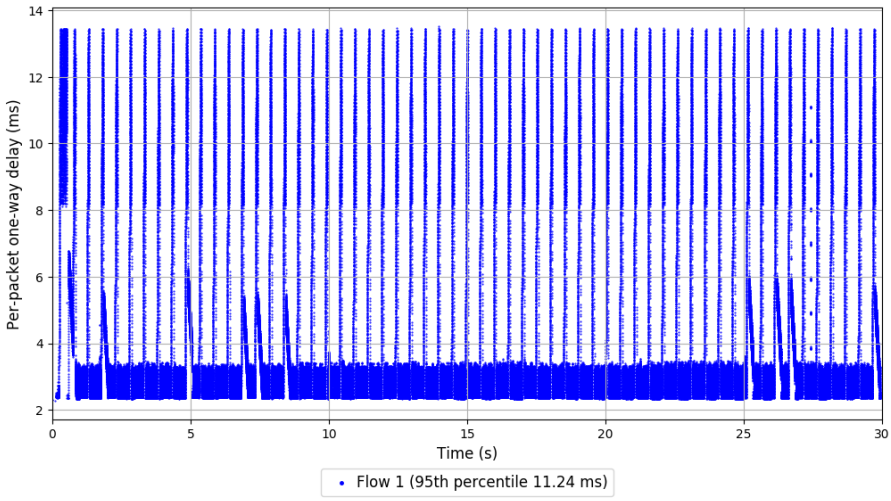
```
Run 1: Statistics of FillP

Start at: 2018-04-03 04:36:24
End at: 2018-04-03 04:36:54
Local clock offset: -5.908 ms
Remote clock offset: -5.812 ms

# Below is generated by plot.py at 2018-04-03 11:36:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 11.236 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 11.236 ms
Loss rate: 0.02%
```

Run 1: Report of FillP — Data Link



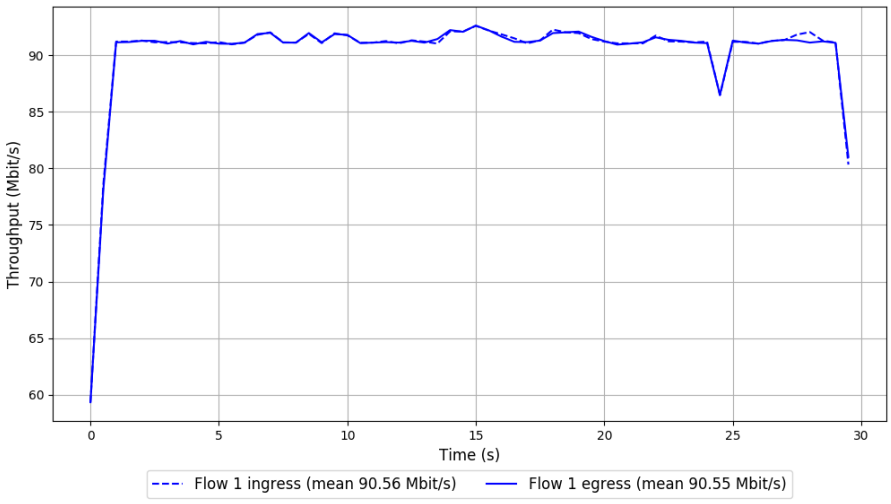


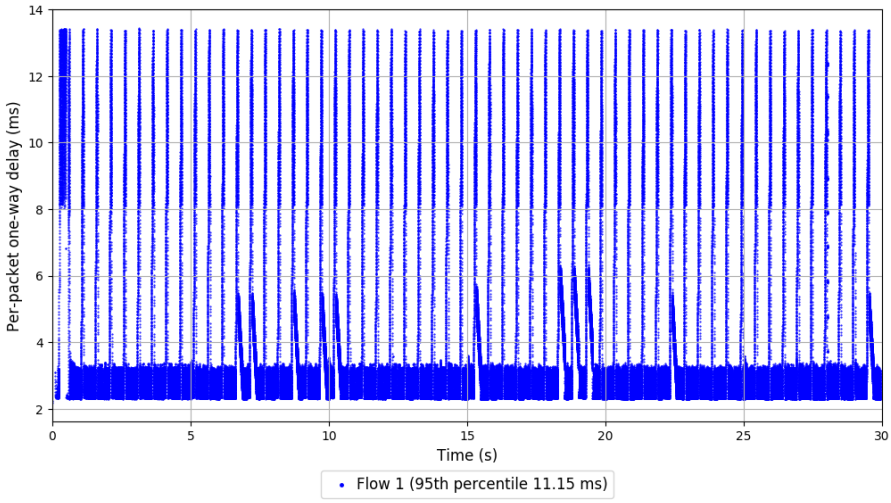
```
Run 2: Statistics of FillP

Start at: 2018-04-03 04:56:47
End at: 2018-04-03 04:57:17
Local clock offset: -5.66 ms
Remote clock offset: -5.879 ms

# Below is generated by plot.py at 2018-04-03 11:36:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 11.152 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 11.152 ms
Loss rate: 0.03%
```

Run 2: Report of FillP — Data Link



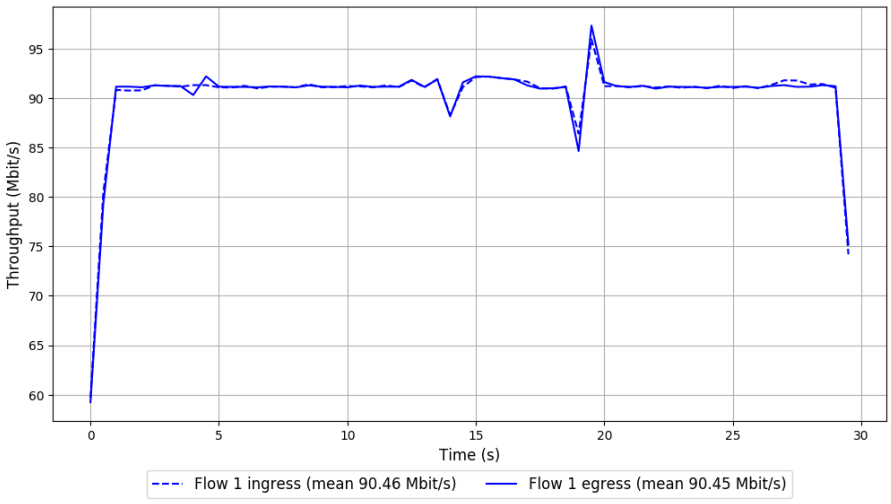


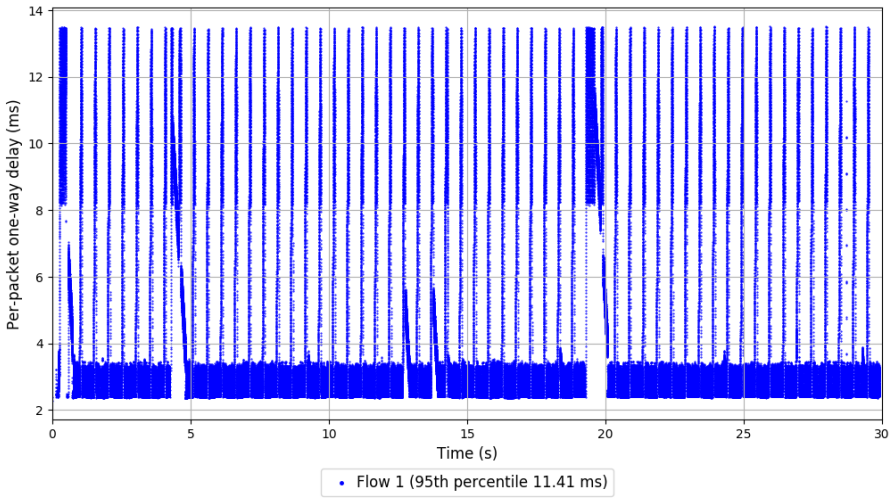
```
Run 3: Statistics of FillP

Start at: 2018-04-03 05:17:11
End at: 2018-04-03 05:17:41
Local clock offset: -5.563 ms
Remote clock offset: -5.932 ms

# Below is generated by plot.py at 2018-04-03 11:36:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 11.413 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 11.413 ms
Loss rate: 0.02%
```

Run 3: Report of FillP — Data Link



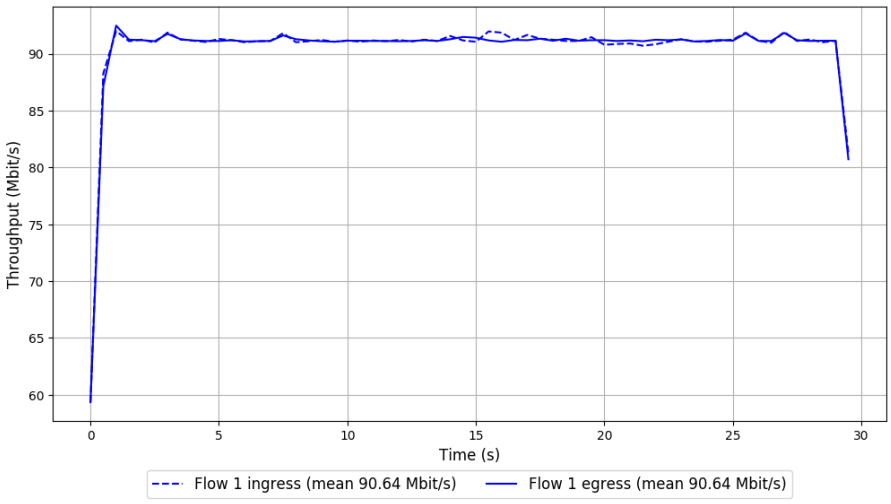


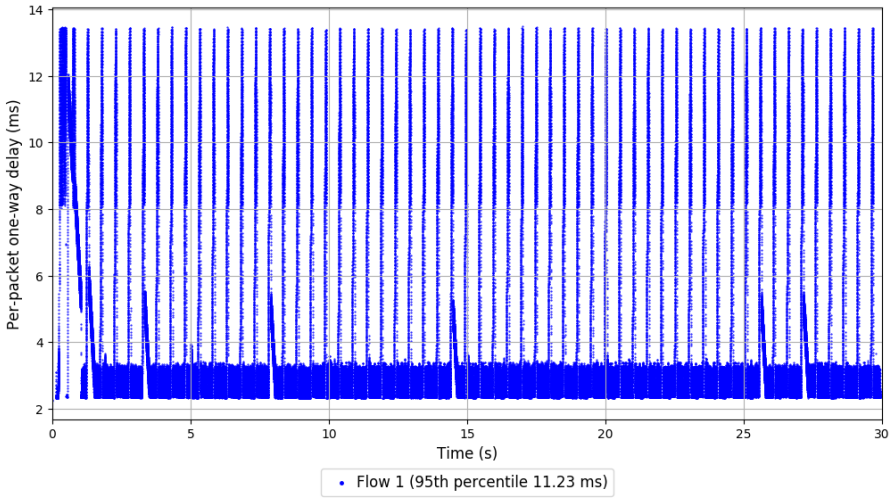
```
Run 4: Statistics of FillP

Start at: 2018-04-03 05:37:33
End at: 2018-04-03 05:38:03
Local clock offset: -5.781 ms
Remote clock offset: -5.8 ms

# Below is generated by plot.py at 2018-04-03 11:36:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 11.234 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 11.234 ms
Loss rate: 0.02%
```

Run 4: Report of FillP — Data Link



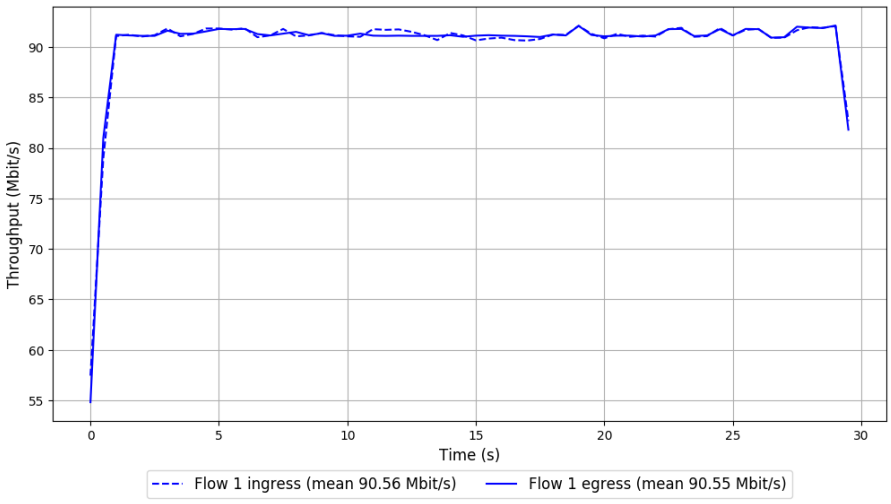


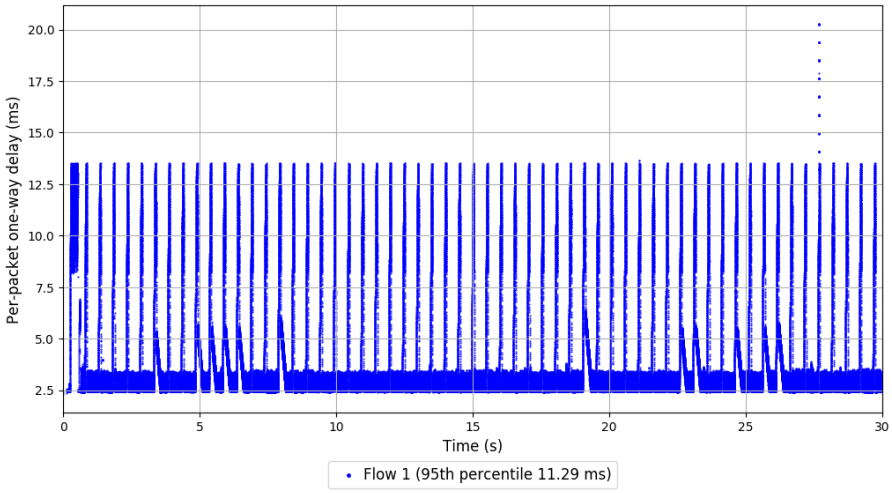
```
Run 5: Statistics of FillP

Start at: 2018-04-03 05:57:56
End at: 2018-04-03 05:58:26
Local clock offset: -6.115 ms
Remote clock offset: -5.76 ms

# Below is generated by plot.py at 2018-04-03 11:36:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 11.295 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 11.295 ms
Loss rate: 0.02%
```

Run 5: Report of FillP — Data Link



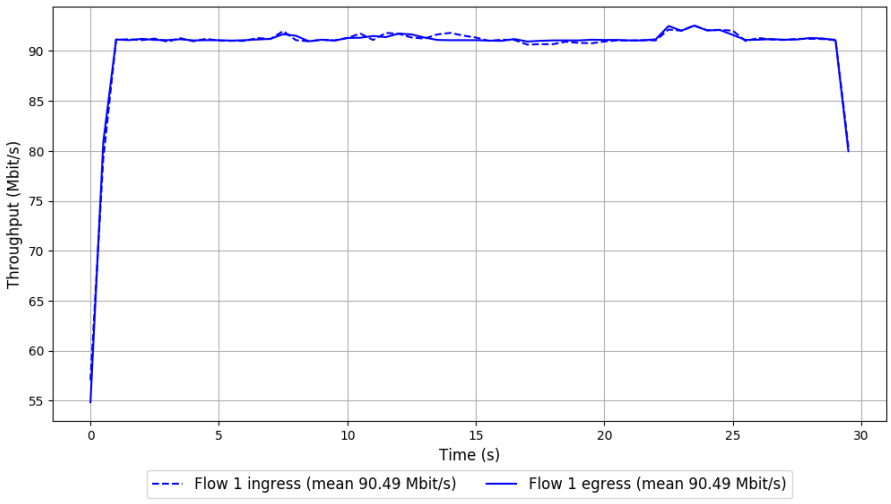


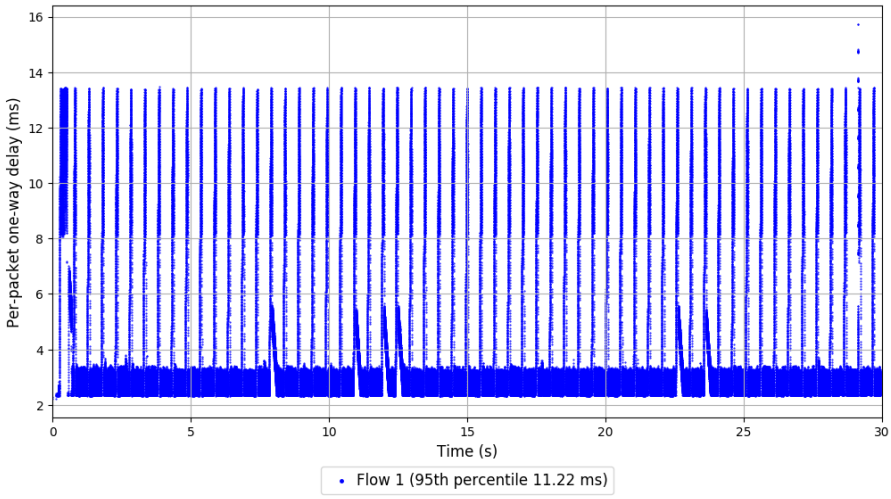
```
Run 6: Statistics of FillP

Start at: 2018-04-03 06:18:18
End at: 2018-04-03 06:18:48
Local clock offset: -6.483 ms
Remote clock offset: -5.756 ms

# Below is generated by plot.py at 2018-04-03 11:36:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 11.224 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 11.224 ms
Loss rate: 0.02%
```

Run 6: Report of FillP — Data Link



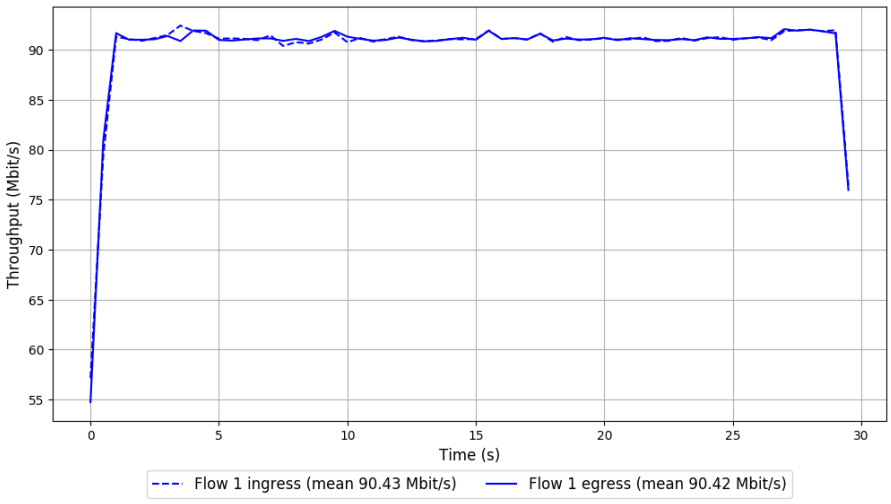


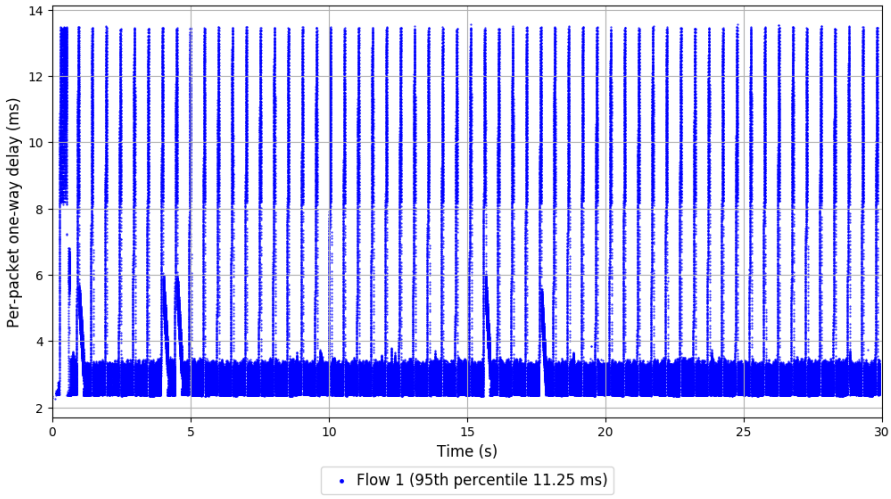
```
Run 7: Statistics of FillP

Start at: 2018-04-03 06:38:41
End at: 2018-04-03 06:39:11
Local clock offset: -6.065 ms
Remote clock offset: -5.714 ms

# Below is generated by plot.py at 2018-04-03 11:37:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 11.247 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 11.247 ms
Loss rate: 0.02%
```

Run 7: Report of FillP — Data Link



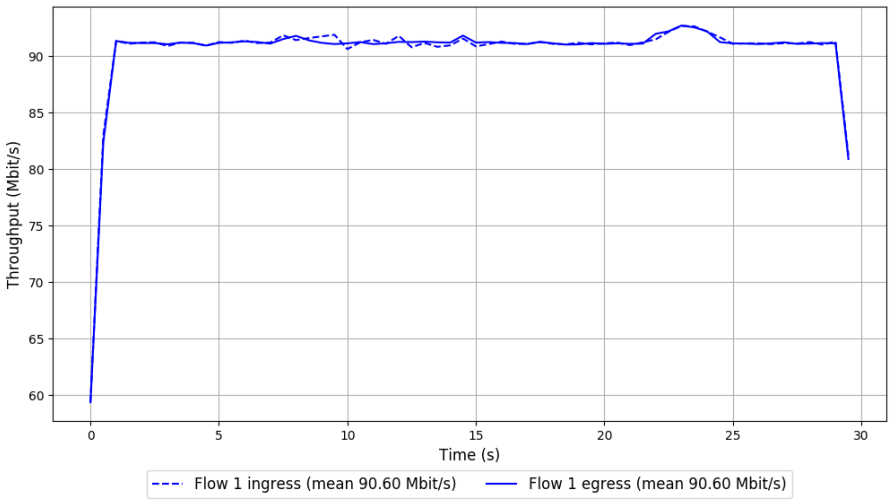


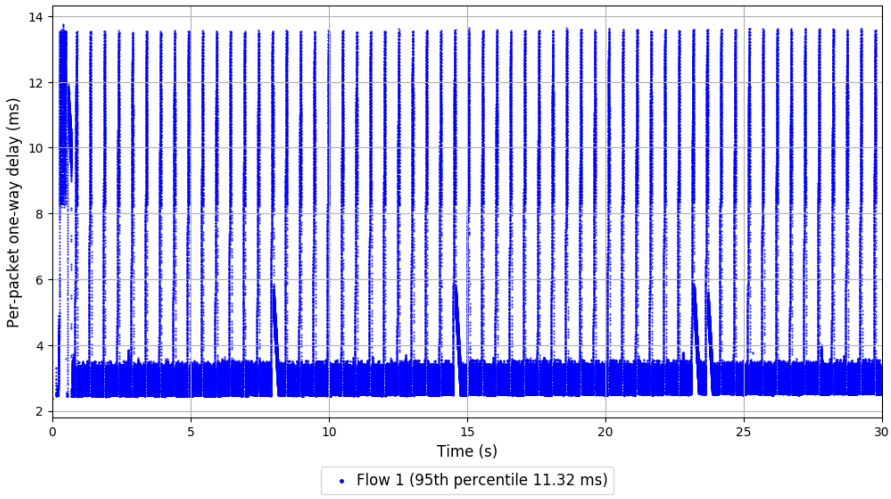
```
Run 8: Statistics of FillP

Start at: 2018-04-03 06:59:04
End at: 2018-04-03 06:59:34
Local clock offset: -6.006 ms
Remote clock offset: -5.66 ms

# Below is generated by plot.py at 2018-04-03 11:37:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 11.318 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 11.318 ms
Loss rate: 0.02%
```

Run 8: Report of FillP — Data Link



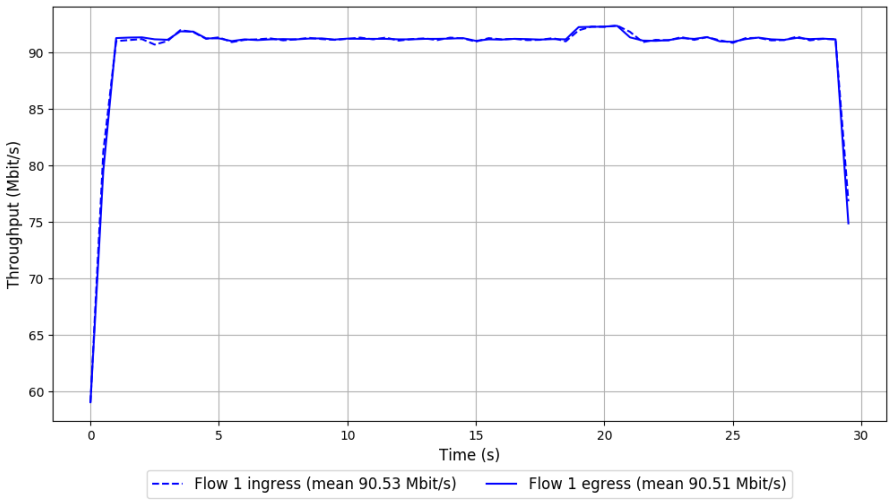


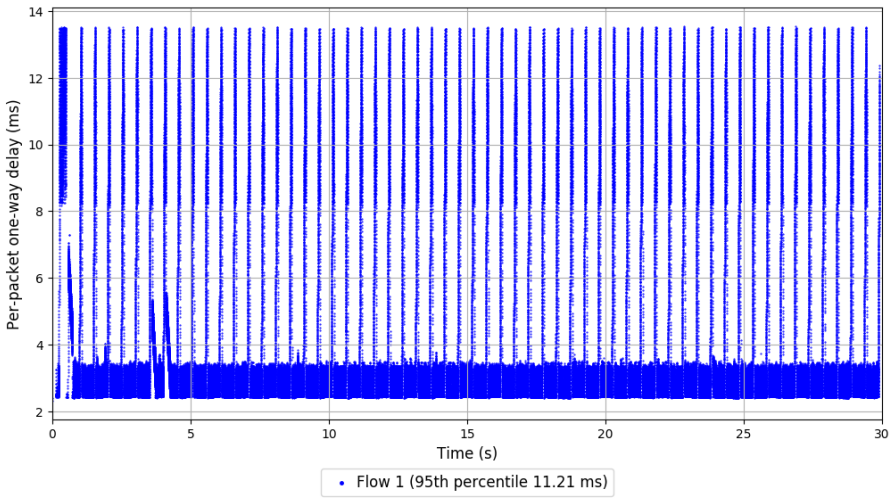
```
Run 9: Statistics of FillP

Start at: 2018-04-03 07:19:27
End at: 2018-04-03 07:19:57
Local clock offset: -7.311 ms
Remote clock offset: -6.423 ms

# Below is generated by plot.py at 2018-04-03 11:37:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 11.210 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 11.210 ms
Loss rate: 0.05%
```

Run 9: Report of FillP — Data Link



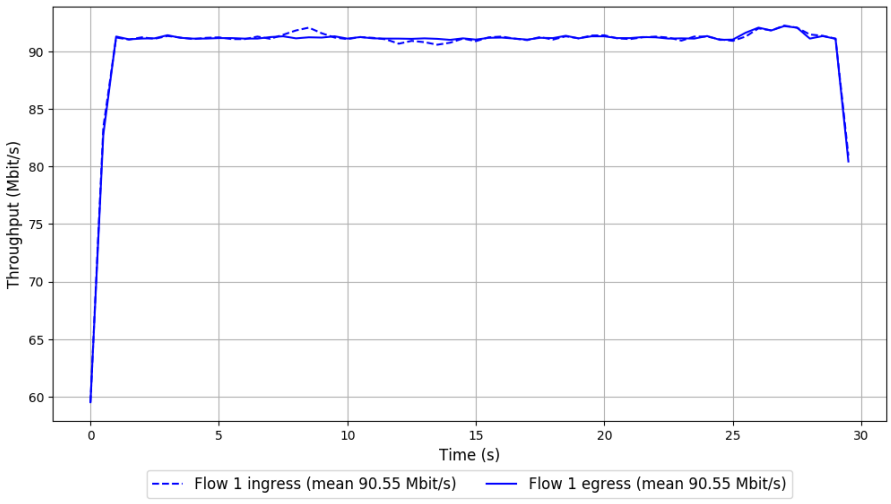


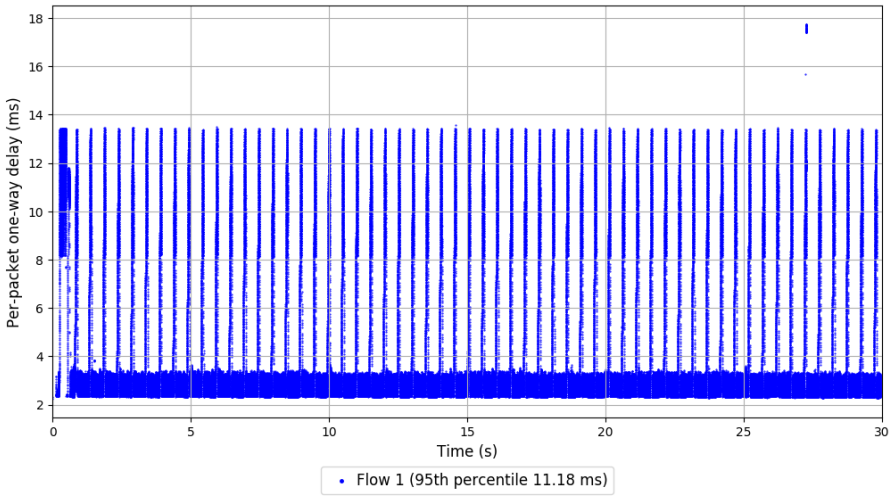
```
Run 10: Statistics of FillP

Start at: 2018-04-03 07:39:50
End at: 2018-04-03 07:40:20
Local clock offset: -7.08 ms
Remote clock offset: -6.744 ms

# Below is generated by plot.py at 2018-04-03 11:37:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 11.180 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 11.180 ms
Loss rate: 0.02%
```

Run 10: Report of FillP — Data Link



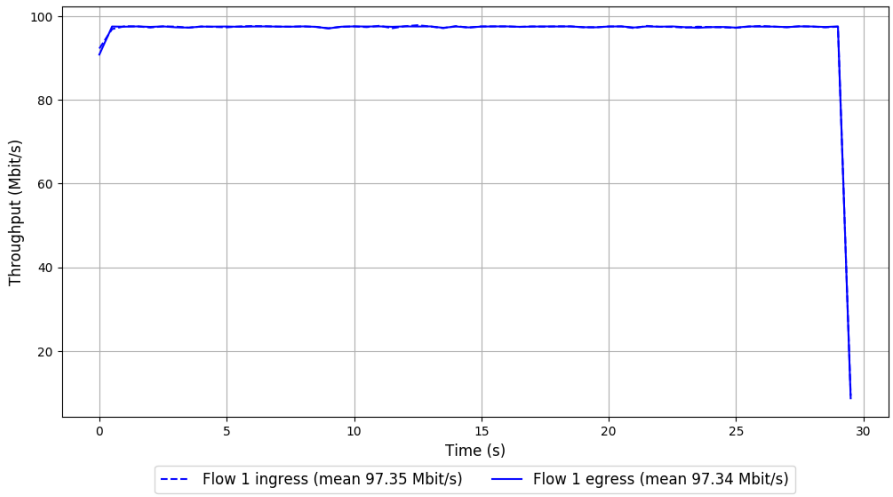


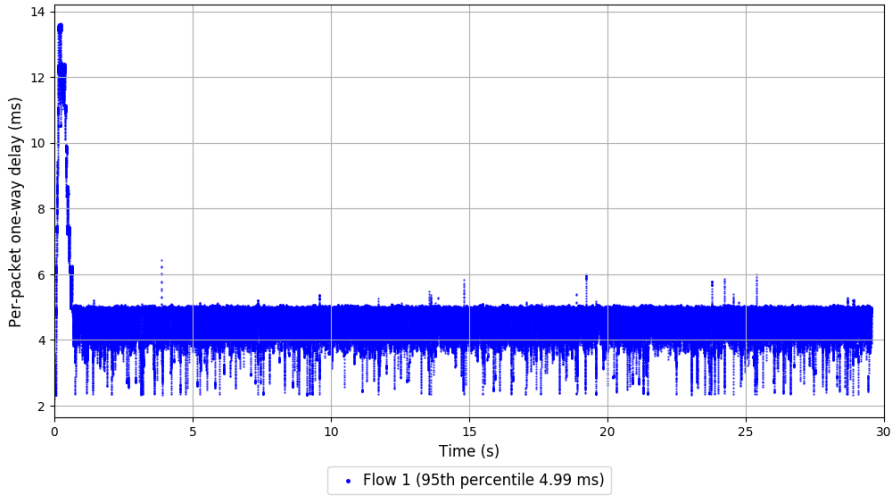
```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-03 04:30:39
End at: 2018-04-03 04:31:09
Local clock offset: -5.916 ms
Remote clock offset: -5.892 ms

# Below is generated by plot.py at 2018-04-03 11:37:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 4.987 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 4.987 ms
Loss rate: 0.02%
```

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



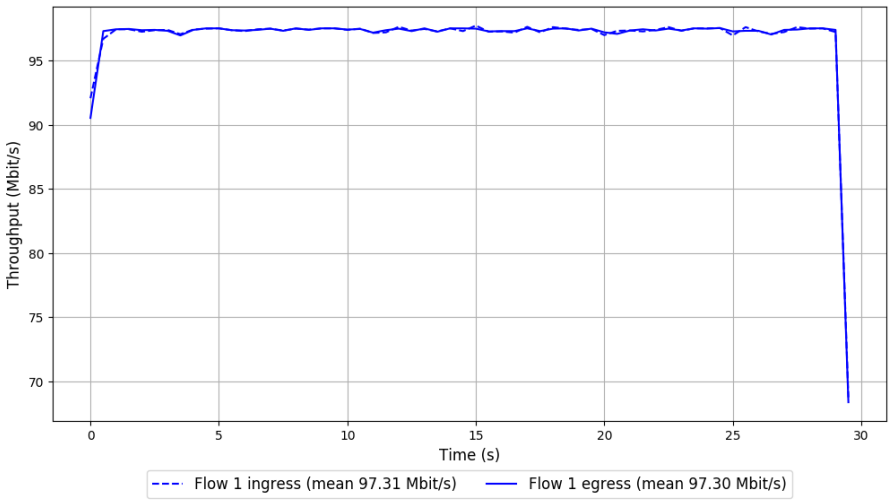


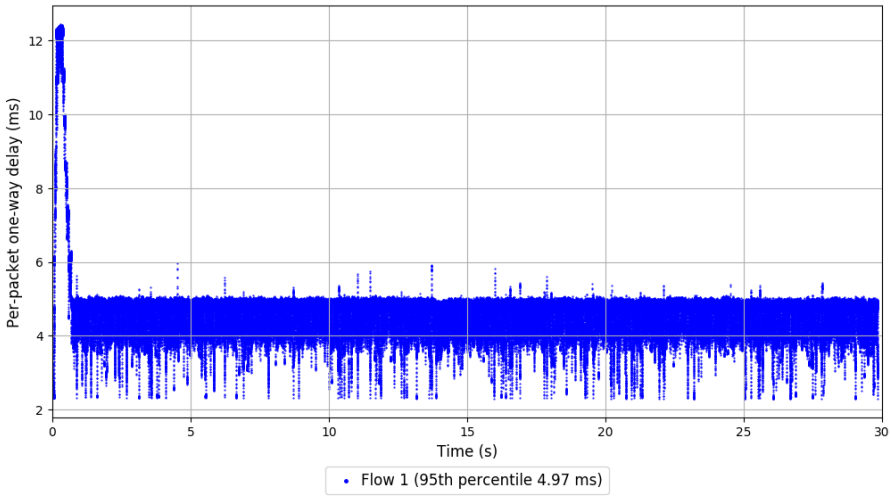
```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-03 04:51:02
End at: 2018-04-03 04:51:32
Local clock offset: -5.718 ms
Remote clock offset: -5.784 ms

# Below is generated by plot.py at 2018-04-03 11:37:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 4.972 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 4.972 ms
Loss rate: 0.02%
```

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



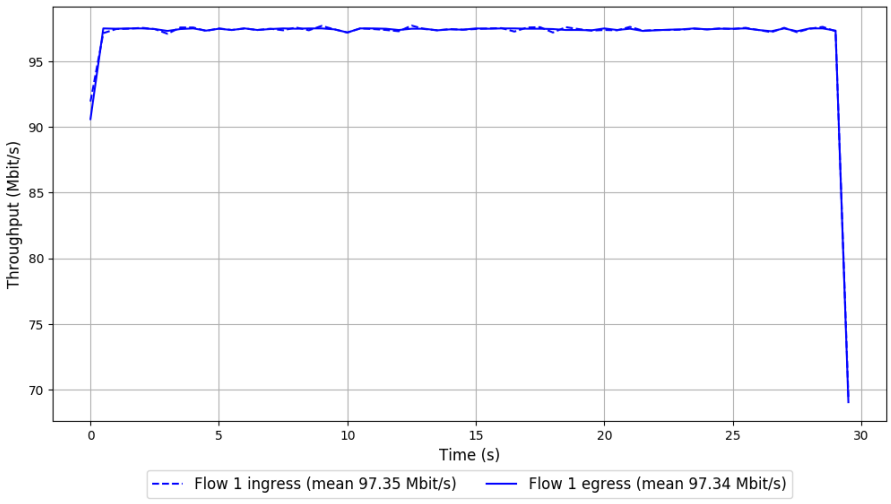


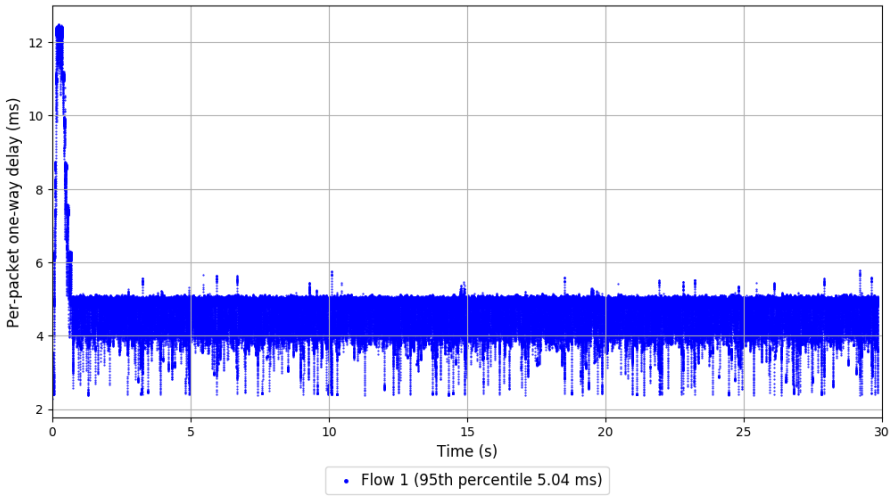
```
Run 3: Statistics of Indigo-1-32

Start at: 2018-04-03 05:11:25
End at: 2018-04-03 05:11:55
Local clock offset: -5.594 ms
Remote clock offset: -6.026 ms

# Below is generated by plot.py at 2018-04-03 11:37:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 5.044 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 5.044 ms
Loss rate: 0.02%
```

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



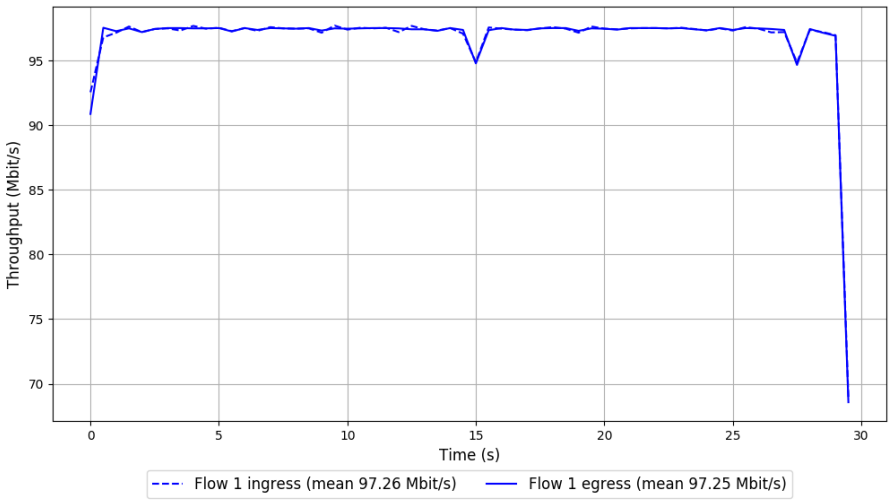


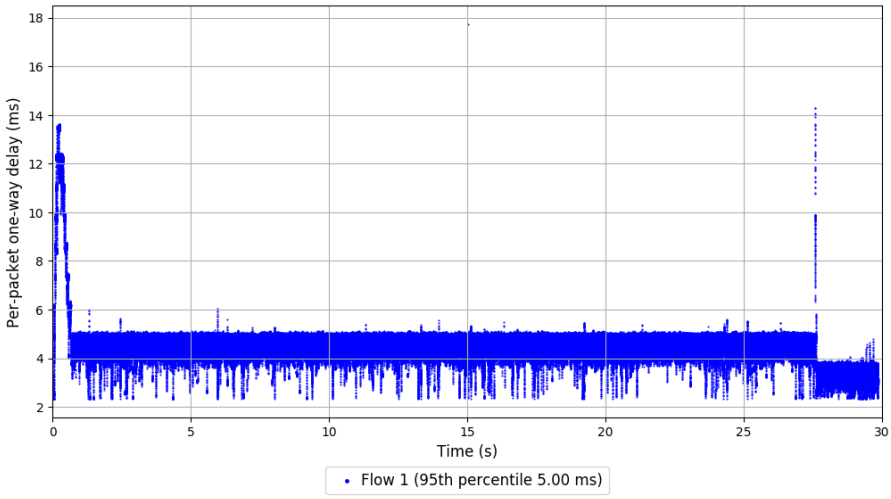
```
Run 4: Statistics of Indigo-1-32

Start at: 2018-04-03 05:31:48
End at: 2018-04-03 05:32:18
Local clock offset: -5.772 ms
Remote clock offset: -5.848 ms

# Below is generated by plot.py at 2018-04-03 11:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 5.002 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 5.002 ms
Loss rate: 0.02%
```

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



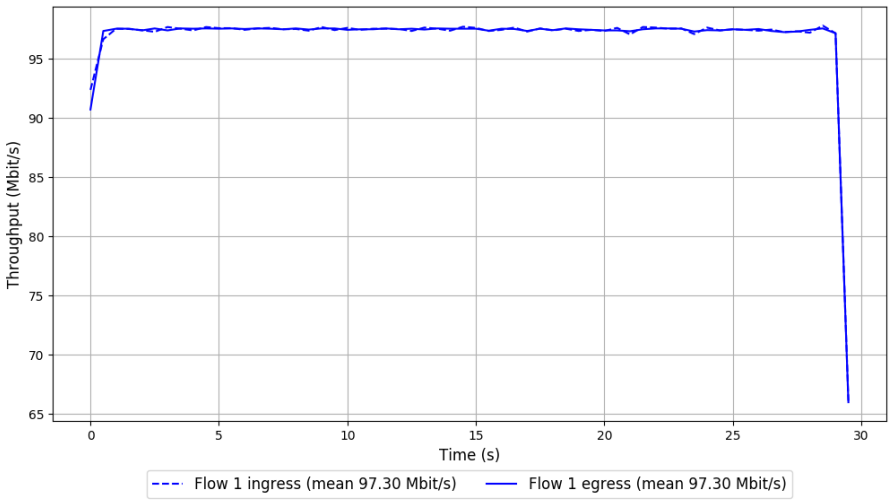


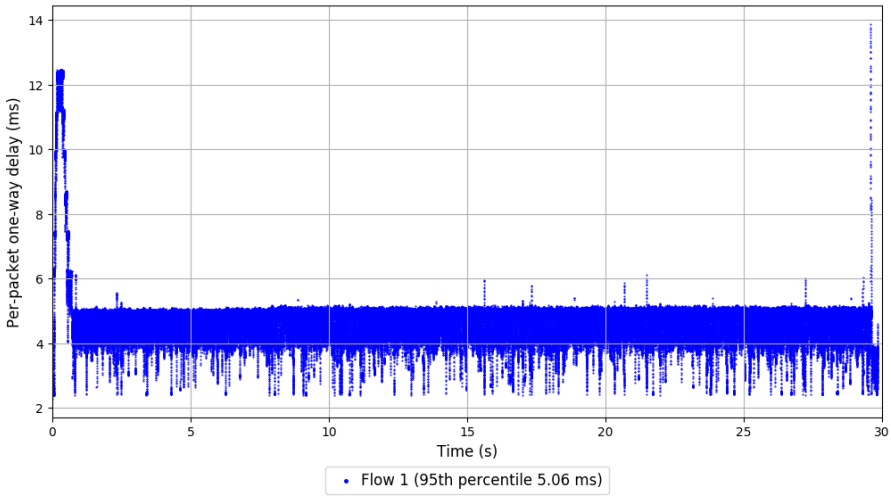
```
Run 5: Statistics of Indigo-1-32

Start at: 2018-04-03 05:52:10
End at: 2018-04-03 05:52:40
Local clock offset: -5.893 ms
Remote clock offset: -5.719 ms

# Below is generated by plot.py at 2018-04-03 11:39:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 5.063 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 5.063 ms
Loss rate: 0.02%
```

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



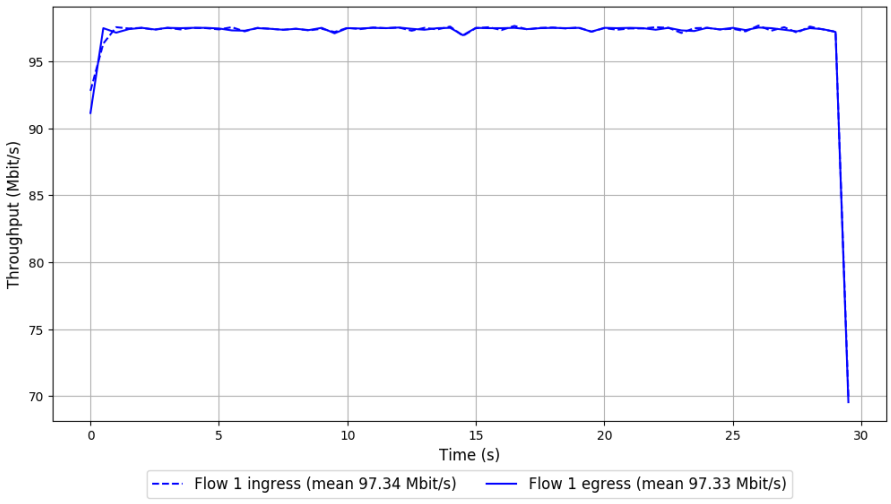


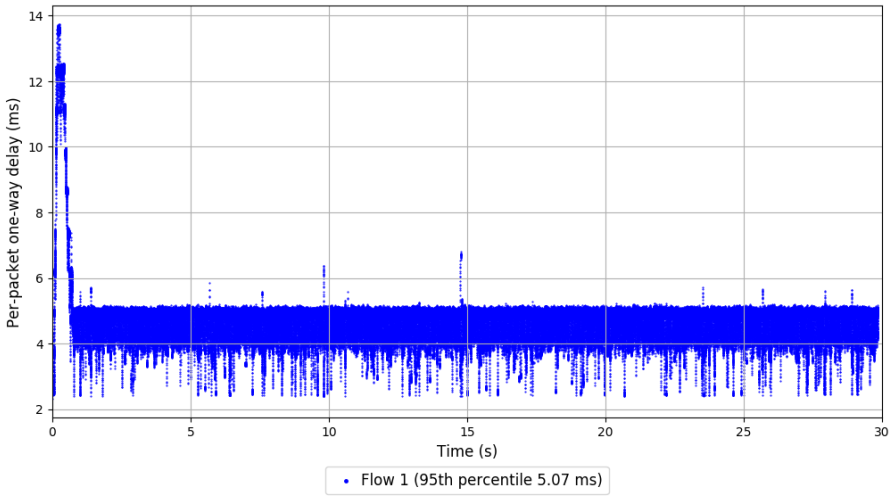
```
Run 6: Statistics of Indigo-1-32

Start at: 2018-04-03 06:12:33
End at: 2018-04-03 06:13:03
Local clock offset: -6.387 ms
Remote clock offset: -5.804 ms

# Below is generated by plot.py at 2018-04-03 11:39:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.070 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.070 ms
Loss rate: 0.02%
```

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



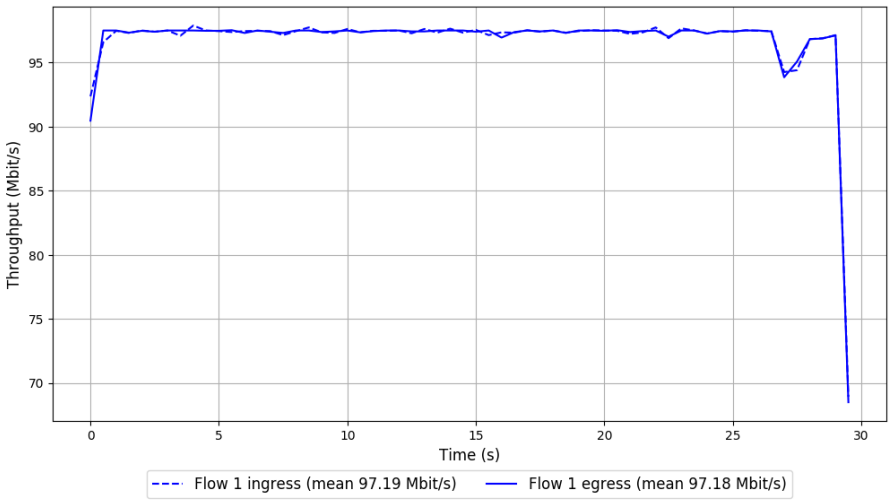


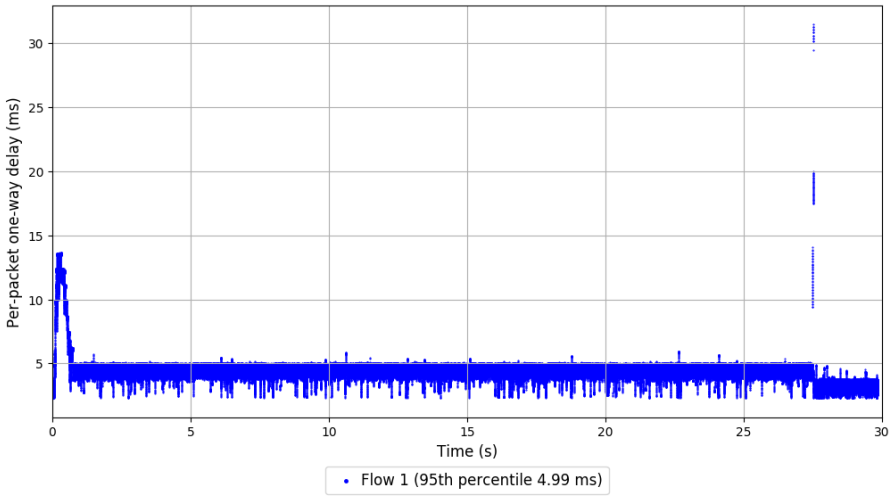
```
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-03 06:32:56
End at: 2018-04-03 06:33:26
Local clock offset: -6.179 ms
Remote clock offset: -5.715 ms

# Below is generated by plot.py at 2018-04-03 11:39:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 4.990 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 4.990 ms
Loss rate: 0.02%
```

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



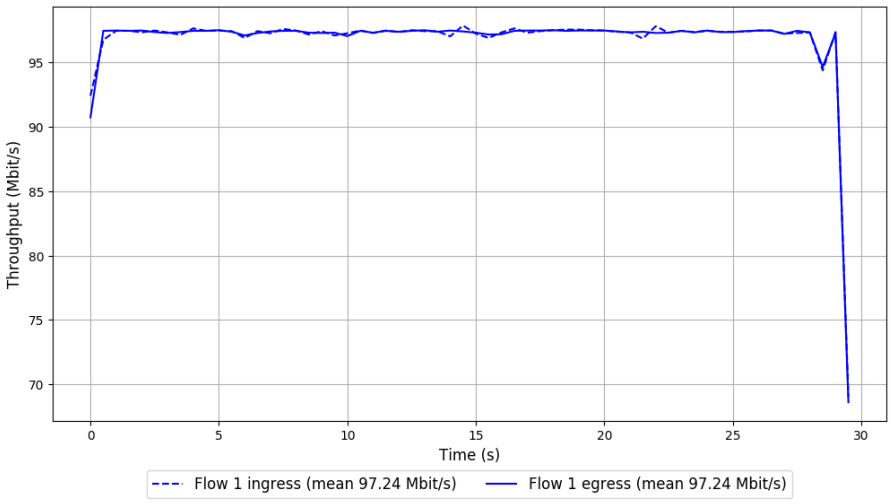


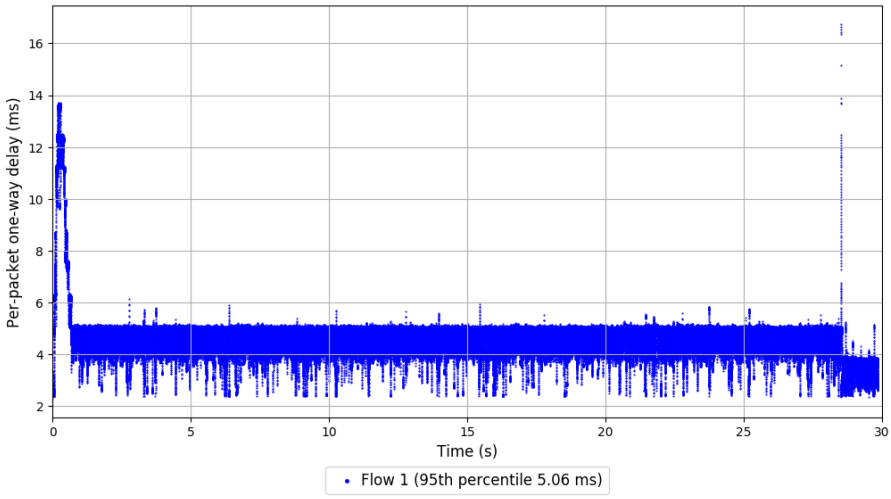
```
Run 8: Statistics of Indigo-1-32

Start at: 2018-04-03 06:53:18
End at: 2018-04-03 06:53:48
Local clock offset: -5.986 ms
Remote clock offset: -5.751 ms

# Below is generated by plot.py at 2018-04-03 11:39:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 5.060 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 5.060 ms
Loss rate: 0.02%
```

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



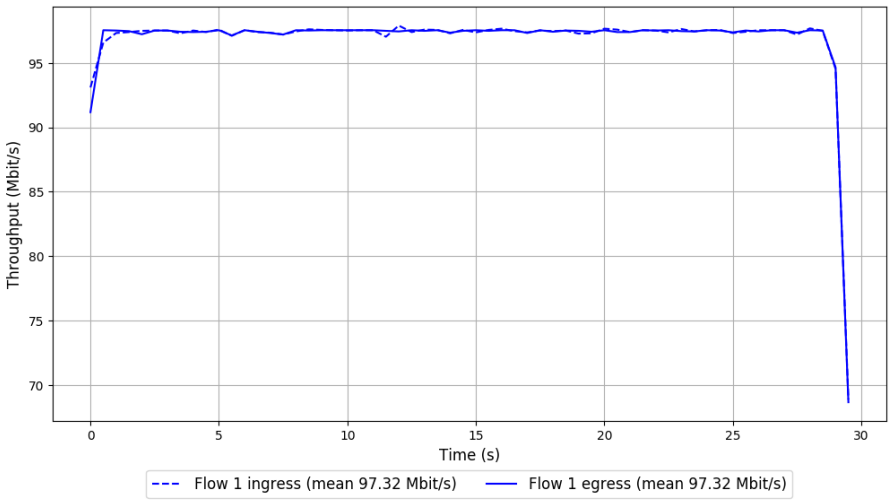


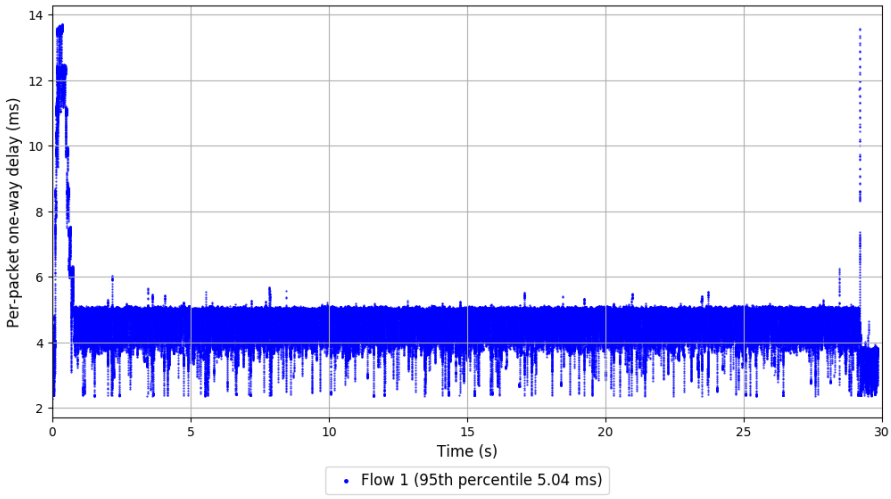
```
Run 9: Statistics of Indigo-1-32

Start at: 2018-04-03 07:13:41
End at: 2018-04-03 07:14:11
Local clock offset: -7.121 ms
Remote clock offset: -6.217 ms

# Below is generated by plot.py at 2018-04-03 11:39:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.041 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.041 ms
Loss rate: 0.02%
```

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



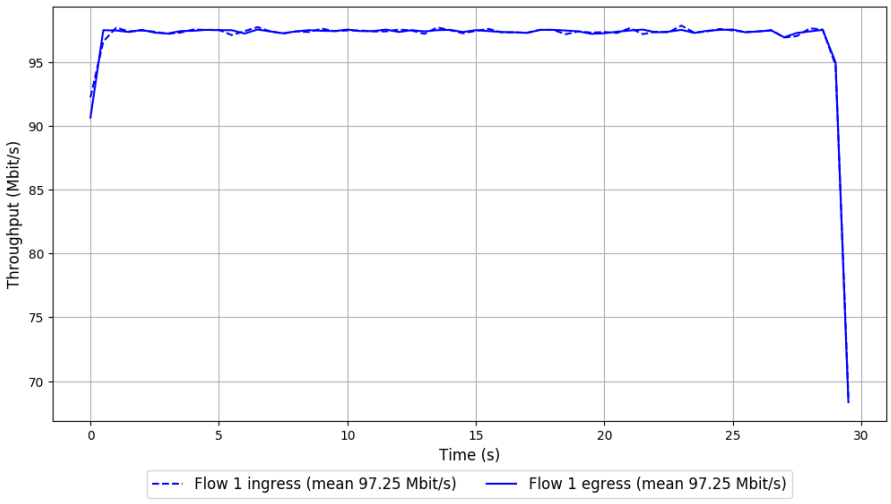


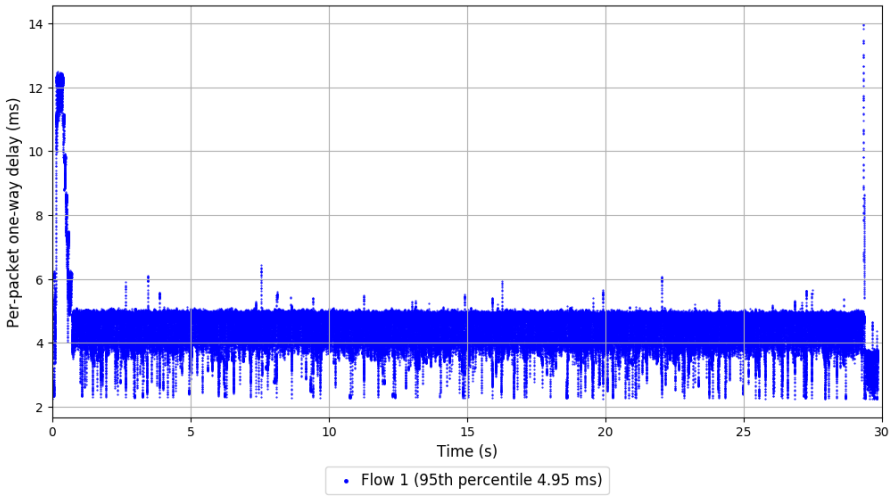
```
Run 10: Statistics of Indigo-1-32

Start at: 2018-04-03 07:34:05
End at: 2018-04-03 07:34:35
Local clock offset: -7.418 ms
Remote clock offset: -6.608 ms

# Below is generated by plot.py at 2018-04-03 11:39:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 0.02%
```

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



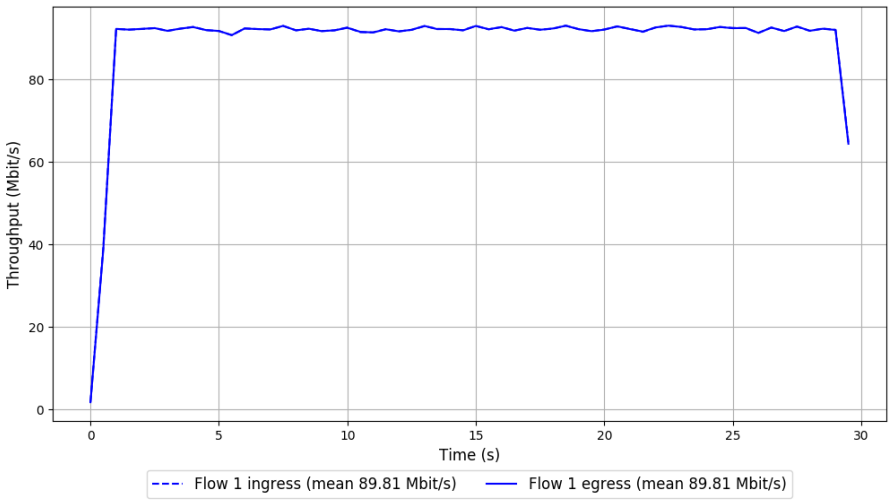


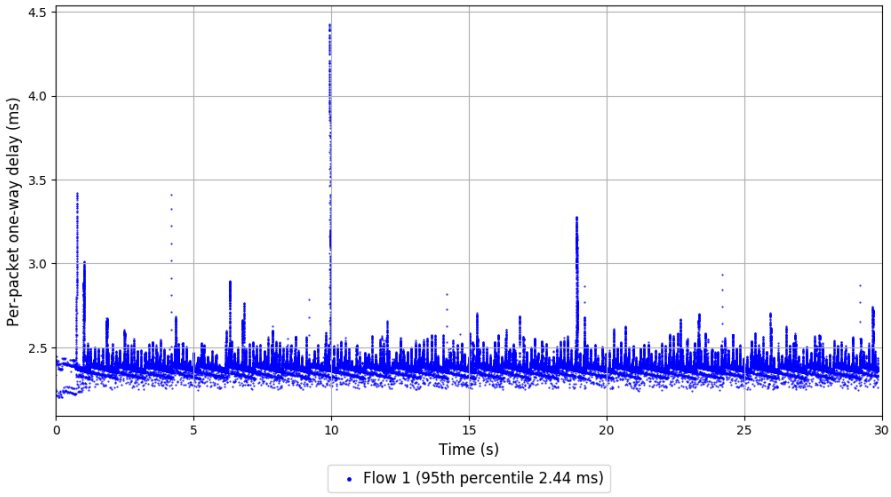
```
Run 1: Statistics of Vivace-latency

Start at: 2018-04-03 04:44:23
End at: 2018-04-03 04:44:53
Local clock offset: -5.837 ms
Remote clock offset: -5.724 ms

# Below is generated by plot.py at 2018-04-03 11:39:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 2.441 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 2.441 ms
Loss rate: 0.02%
```

Run 1: Report of Vivace-latency — Data Link



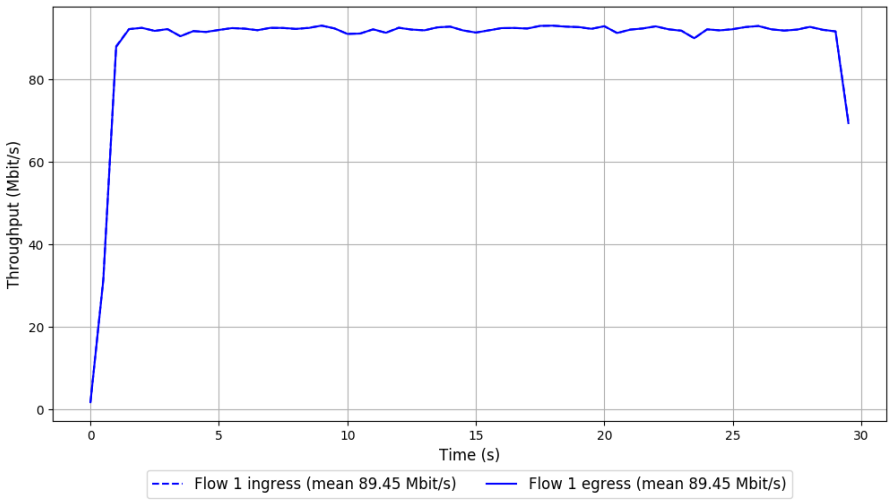


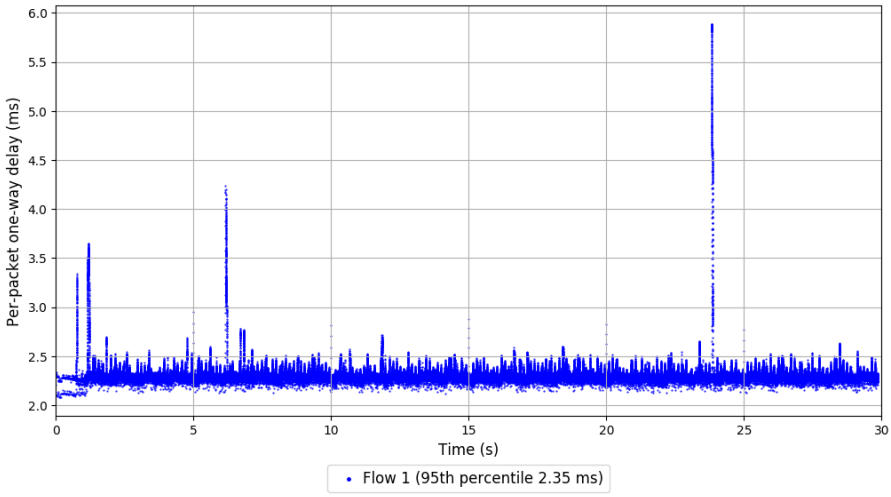
```
Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 05:04:46
End at: 2018-04-03 05:05:16
Local clock offset: -5.669 ms
Remote clock offset: -5.96 ms

# Below is generated by plot.py at 2018-04-03 11:39:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 2.354 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 2.354 ms
Loss rate: 0.02%
```

Run 2: Report of Vivace-latency — Data Link



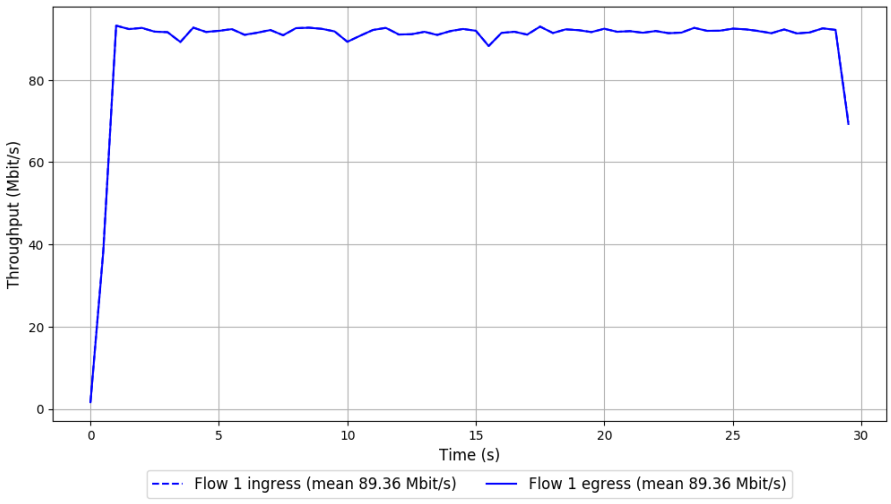


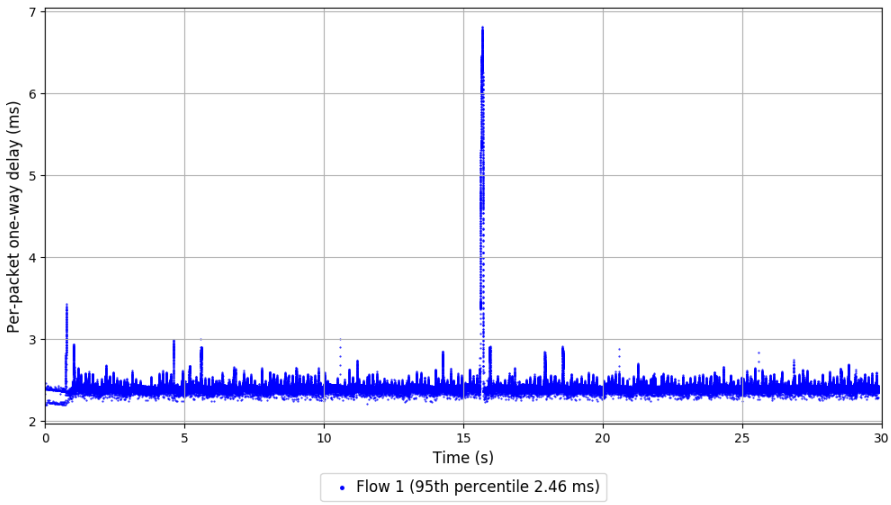
```
Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 05:25:09
End at: 2018-04-03 05:25:39
Local clock offset: -5.717 ms
Remote clock offset: -5.9 ms

# Below is generated by plot.py at 2018-04-03 11:40:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.02%
```

Run 3: Report of Vivace-latency — Data Link



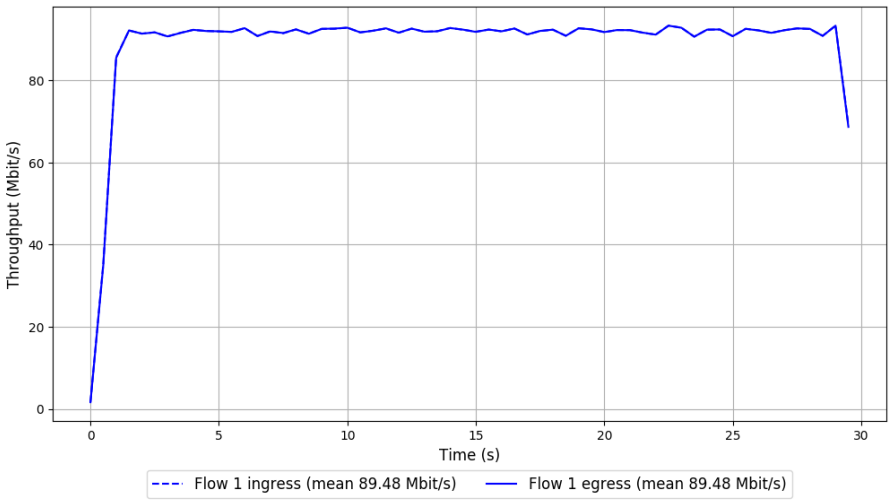


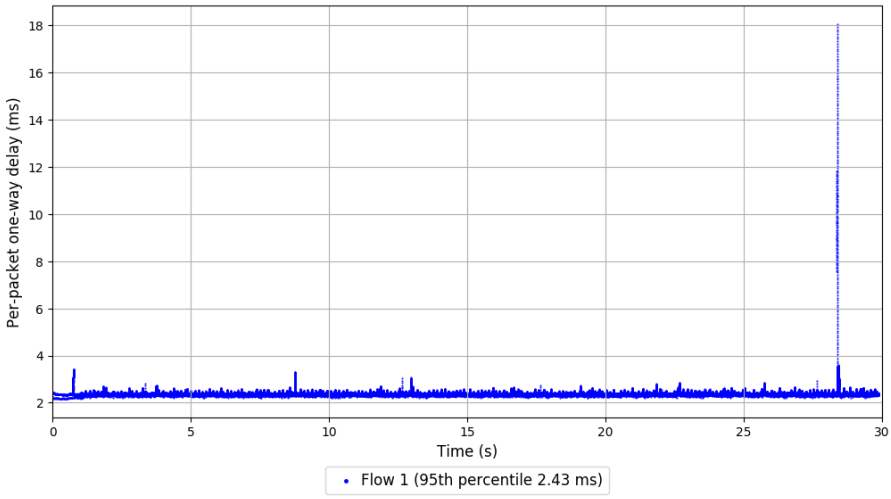
```
Run 4: Statistics of Vivace-latency

Start at: 2018-04-03 05:45:32
End at: 2018-04-03 05:46:02
Local clock offset: -5.792 ms
Remote clock offset: -5.751 ms

# Below is generated by plot.py at 2018-04-03 11:40:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 2.428 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 2.428 ms
Loss rate: 0.02%
```

Run 4: Report of Vivace-latency — Data Link



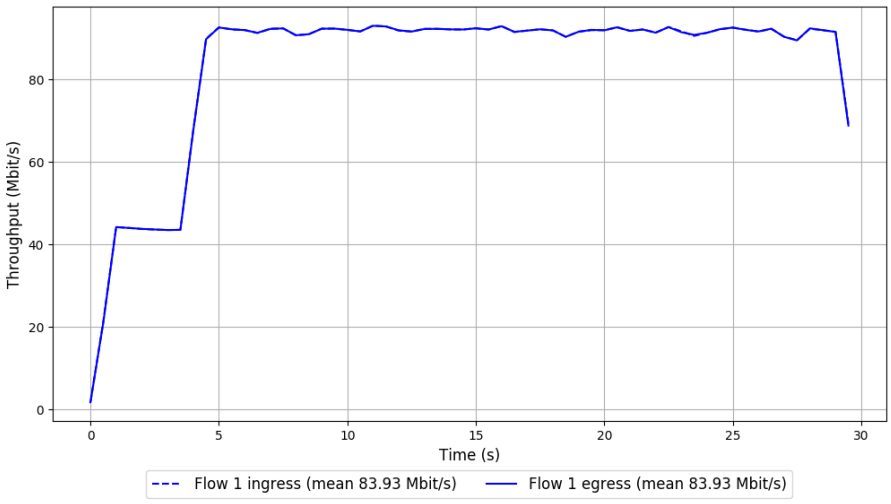


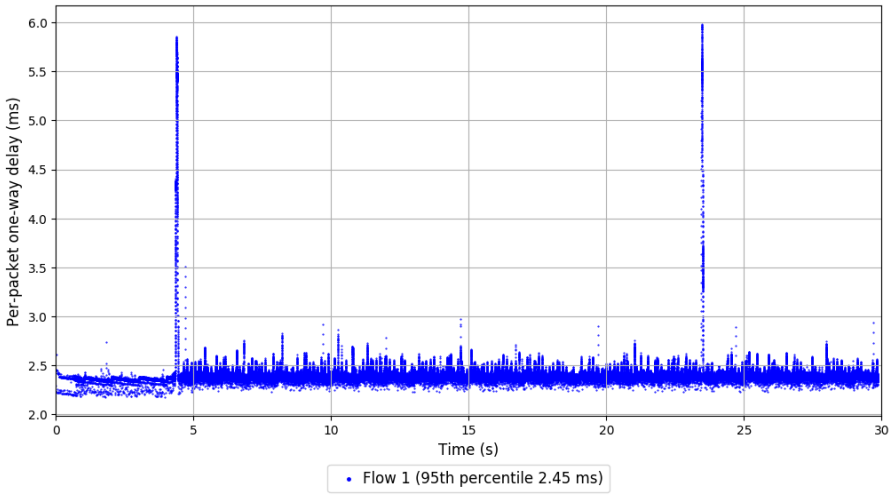
```
Run 5: Statistics of Vivace-latency

Start at: 2018-04-03 06:05:55
End at: 2018-04-03 06:06:25
Local clock offset: -6.295 ms
Remote clock offset: -5.769 ms

# Below is generated by plot.py at 2018-04-03 11:40:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 2.446 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 2.446 ms
Loss rate: 0.02%
```

Run 5: Report of Vivace-latency — Data Link



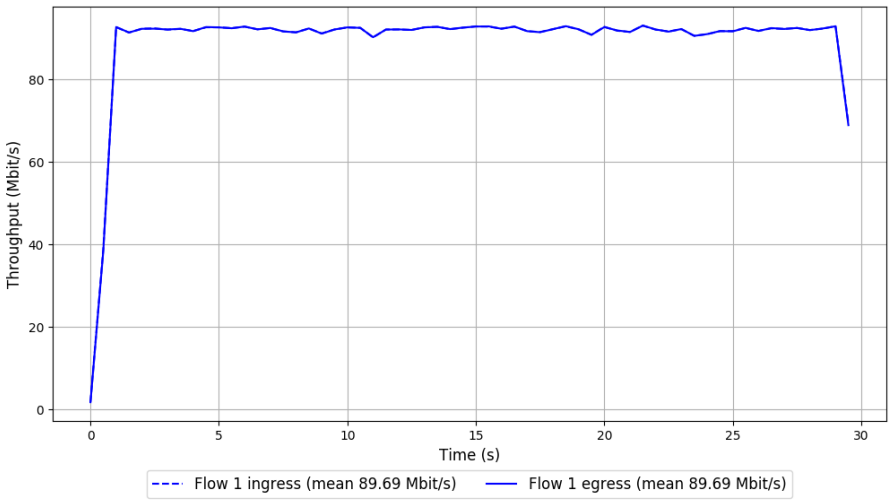


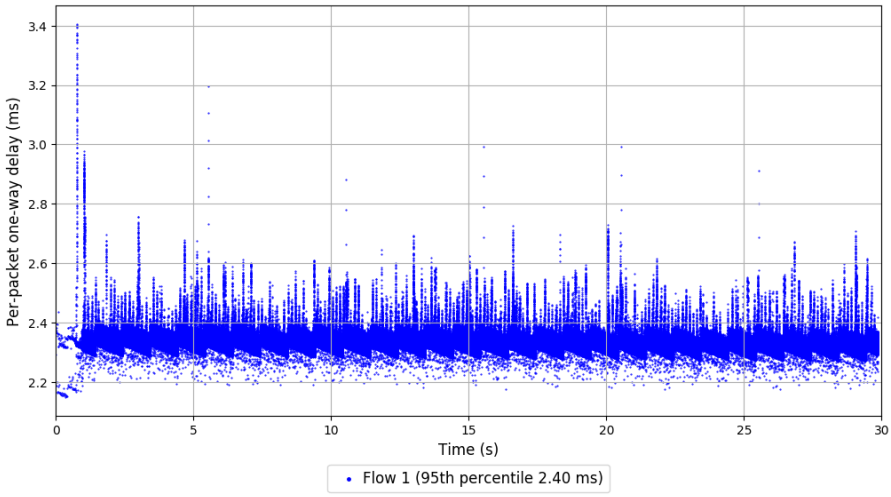
```
Run 6: Statistics of Vivace-latency

Start at: 2018-04-03 06:26:17
End at: 2018-04-03 06:26:47
Local clock offset: -6.416 ms
Remote clock offset: -5.727 ms

# Below is generated by plot.py at 2018-04-03 11:40:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 2.404 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 2.404 ms
Loss rate: 0.02%
```

Run 6: Report of Vivace-latency — Data Link



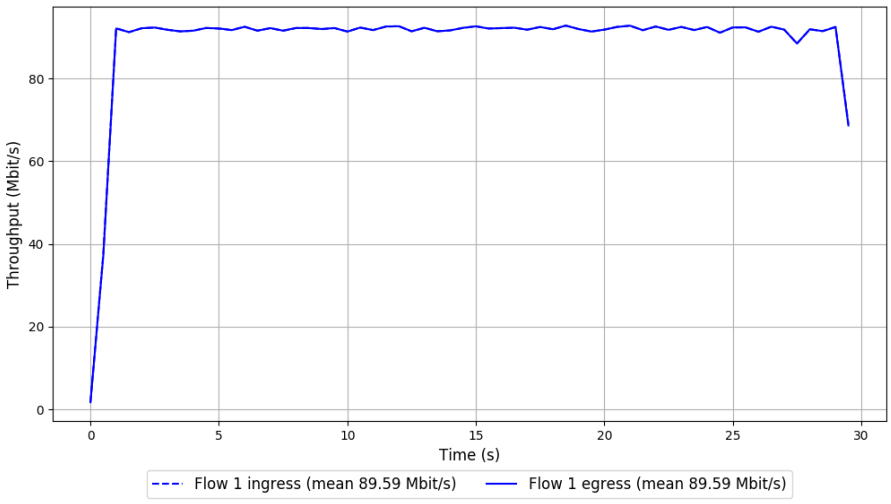


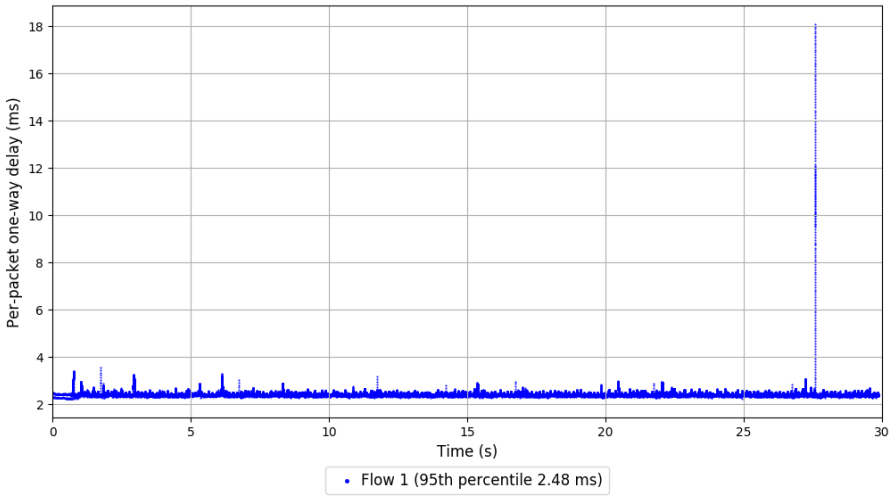
```
Run 7: Statistics of Vivace-latency

Start at: 2018-04-03 06:46:40
End at: 2018-04-03 06:47:10
Local clock offset: -6.006 ms
Remote clock offset: -5.758 ms

# Below is generated by plot.py at 2018-04-03 11:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 2.482 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 2.482 ms
Loss rate: 0.01%
```

Run 7: Report of Vivace-latency — Data Link



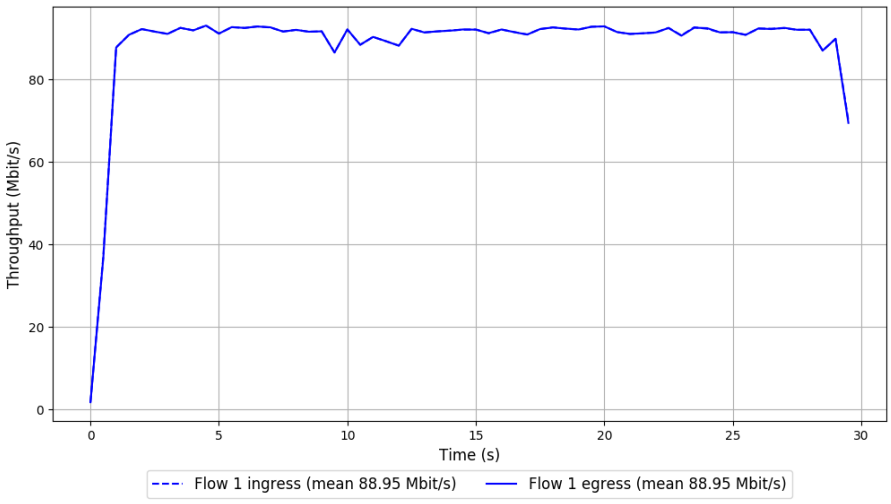


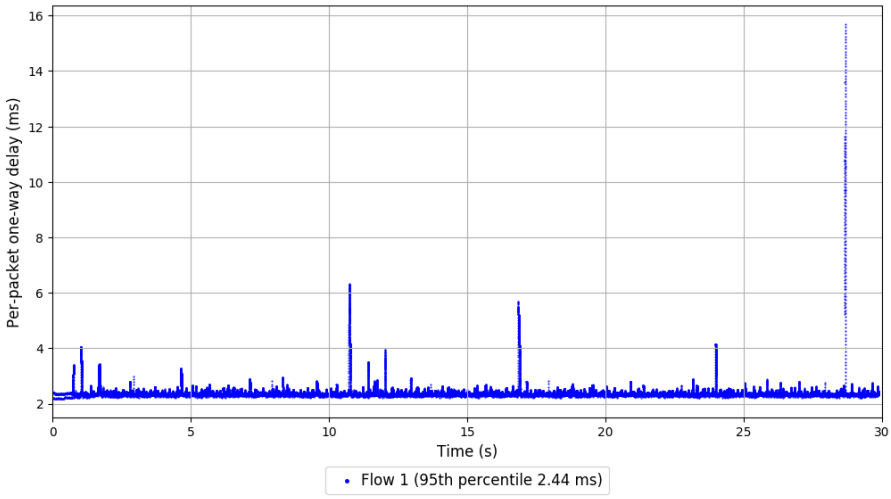
```
Run 8: Statistics of Vivace-latency

Start at: 2018-04-03 07:07:03
End at: 2018-04-03 07:07:33
Local clock offset: -6.83 ms
Remote clock offset: -5.886 ms

# Below is generated by plot.py at 2018-04-03 11:40:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.02%
```

Run 8: Report of Vivace-latency — Data Link



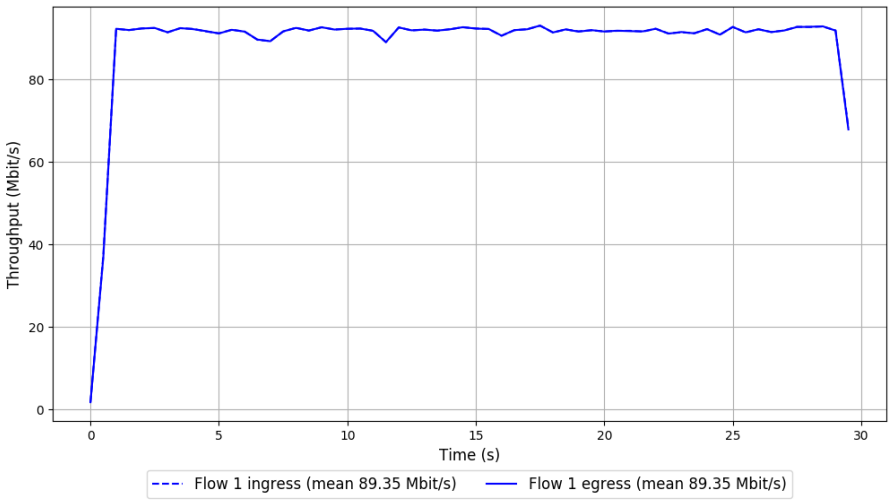


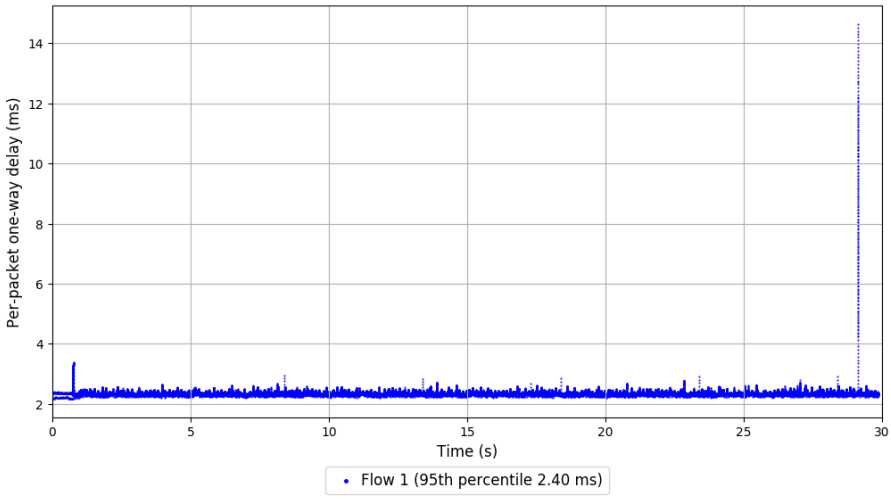
```
Run 9: Statistics of Vivace-latency

Start at: 2018-04-03 07:27:26
End at: 2018-04-03 07:27:56
Local clock offset: -7.504 ms
Remote clock offset: -6.528 ms

# Below is generated by plot.py at 2018-04-03 11:40:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.02%
```

Run 9: Report of Vivace-latency — Data Link



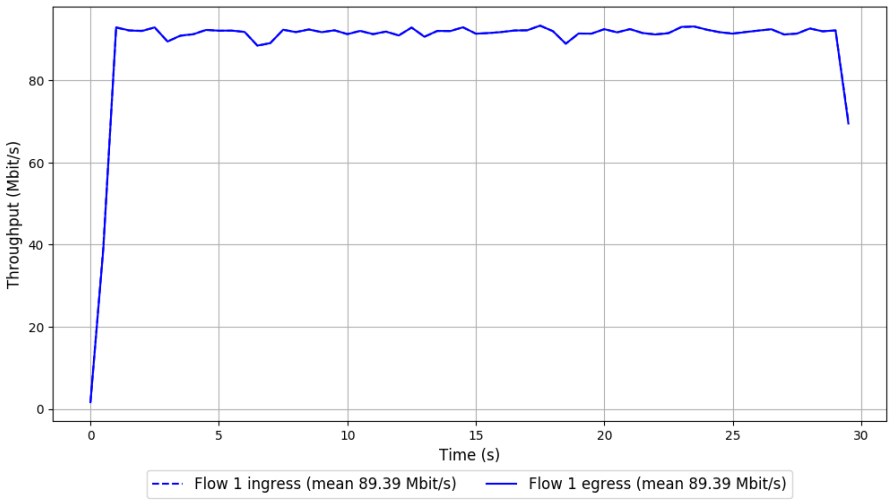


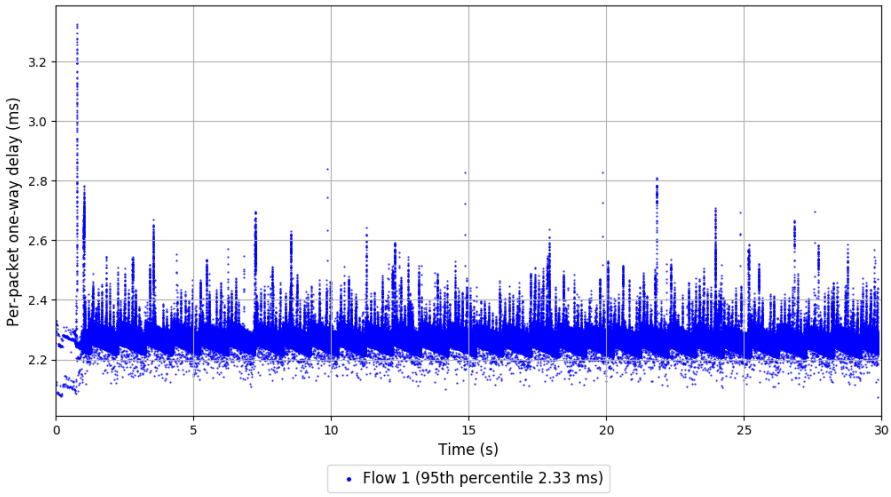
```
Run 10: Statistics of Vivace-latency

Start at: 2018-04-03 07:47:49
End at: 2018-04-03 07:48:19
Local clock offset: -6.822 ms
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2018-04-03 11:40:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.02%
```

Run 10: Report of Vivace-latency — Data Link



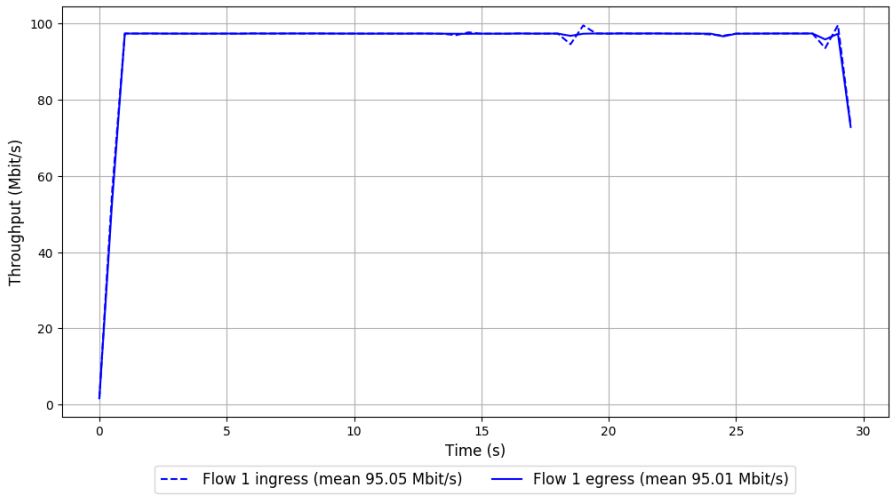


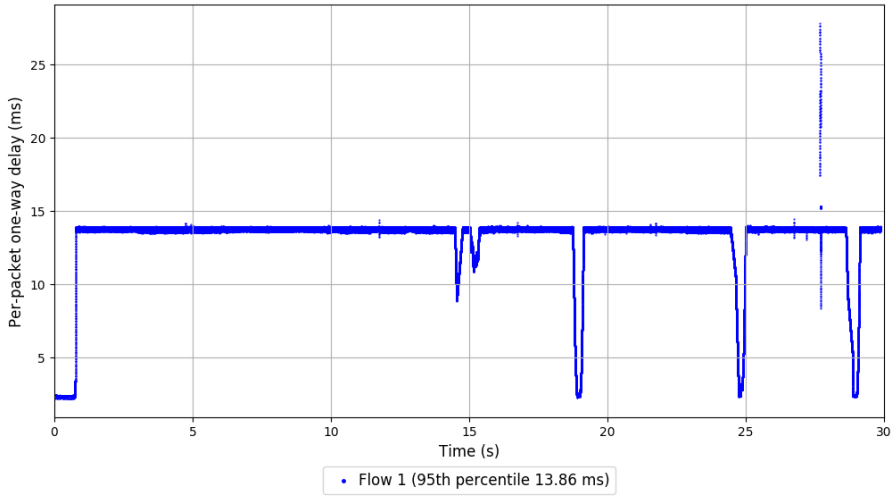
```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 04:43:14
End at: 2018-04-03 04:43:44
Local clock offset: -5.84 ms
Remote clock offset: -5.708 ms

# Below is generated by plot.py at 2018-04-03 11:42:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 13.859 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 13.859 ms
Loss rate: 0.06%
```

Run 1: Report of Vivace-loss — Data Link



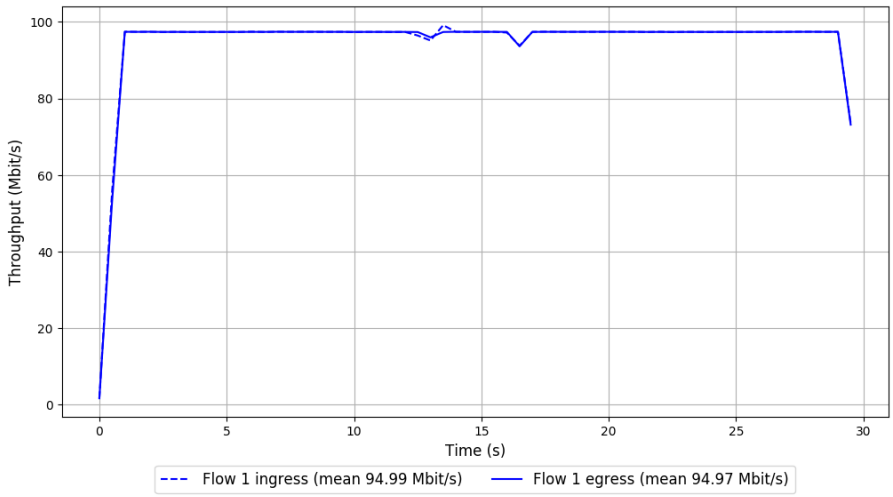


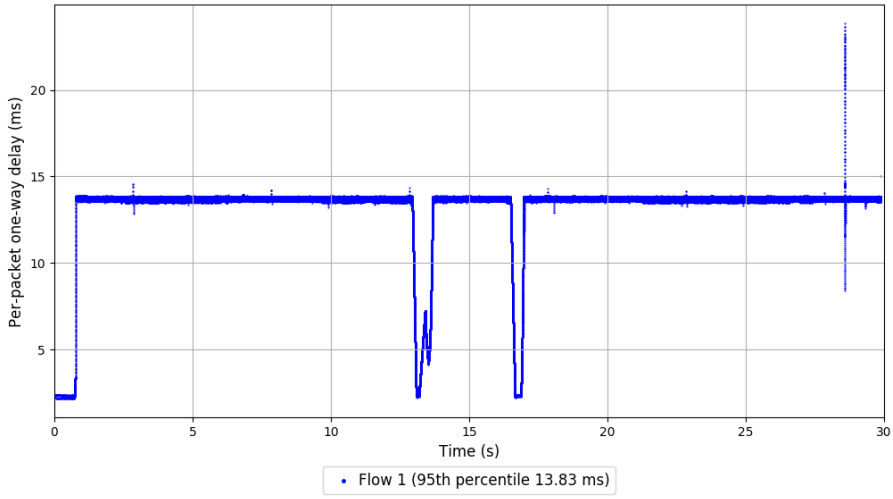
```
Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 05:03:37
End at: 2018-04-03 05:04:07
Local clock offset: -5.603 ms
Remote clock offset: -5.976 ms

# Below is generated by plot.py at 2018-04-03 11:42:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 13.828 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 13.828 ms
Loss rate: 0.05%
```

Run 2: Report of Vivace-loss — Data Link



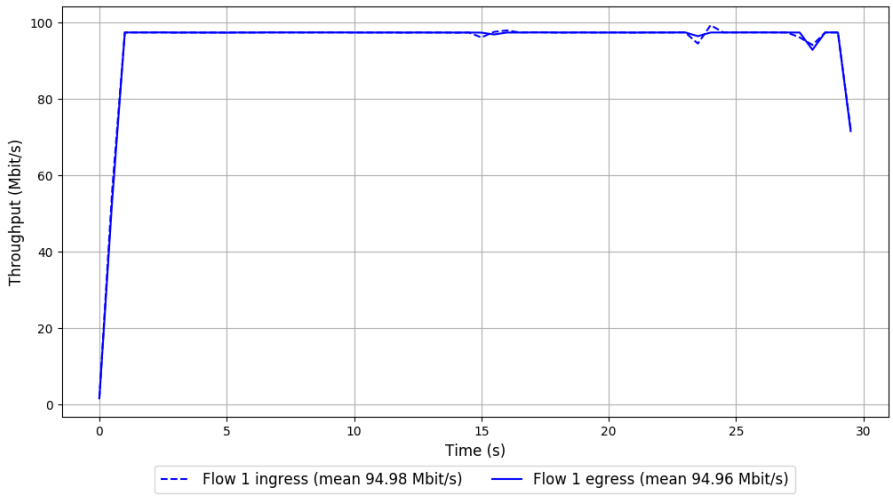


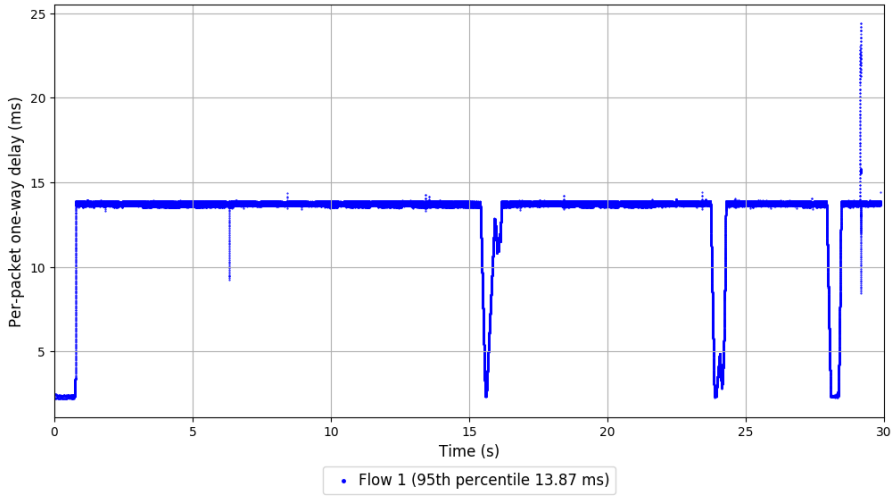
```
Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 05:24:00
End at: 2018-04-03 05:24:30
Local clock offset: -5.721 ms
Remote clock offset: -5.949 ms

# Below is generated by plot.py at 2018-04-03 11:42:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 13.866 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 13.866 ms
Loss rate: 0.06%
```

Run 3: Report of Vivace-loss — Data Link



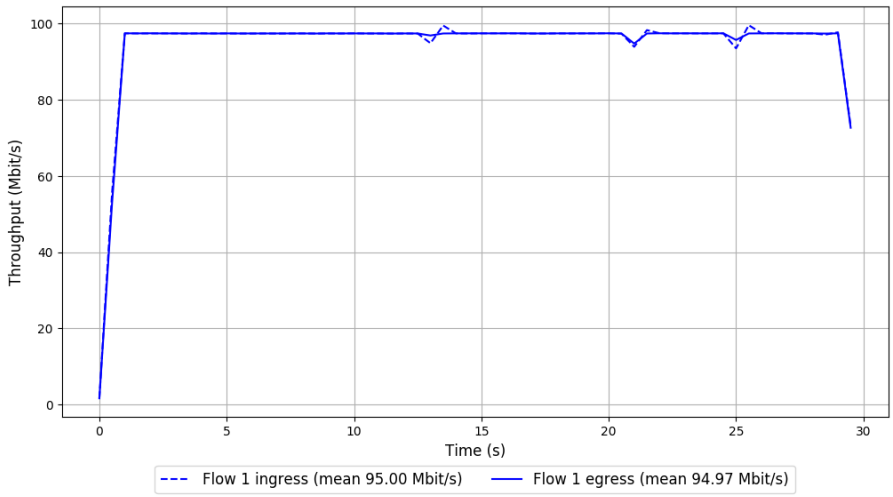


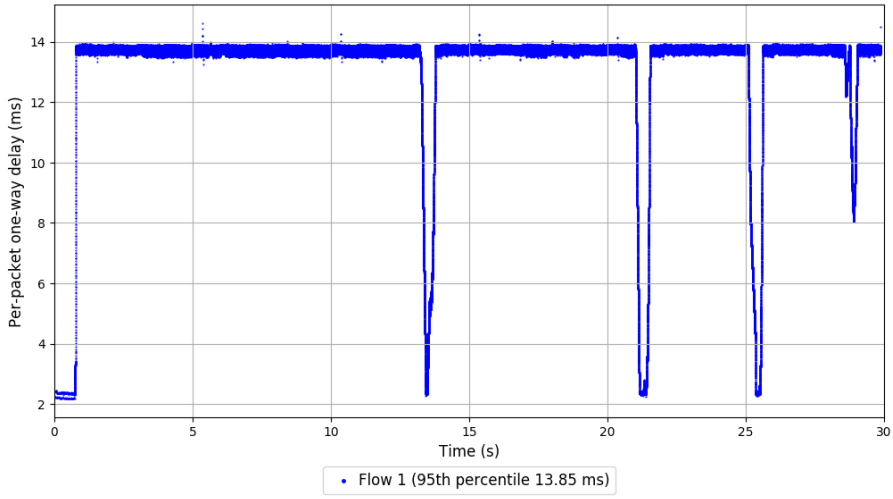
```
Run 4: Statistics of Vivace-loss

Start at: 2018-04-03 05:44:23
End at: 2018-04-03 05:44:53
Local clock offset: -5.785 ms
Remote clock offset: -5.766 ms

# Below is generated by plot.py at 2018-04-03 11:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 13.853 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 13.853 ms
Loss rate: 0.05%
```

Run 4: Report of Vivace-loss — Data Link



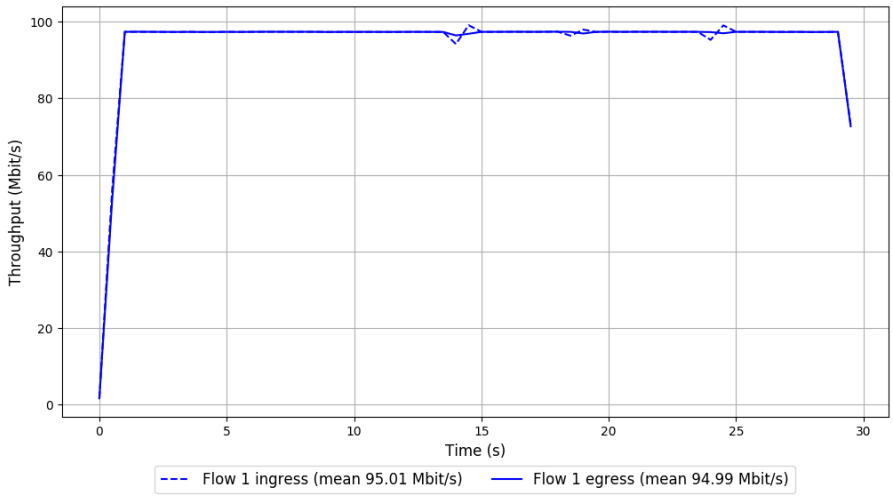


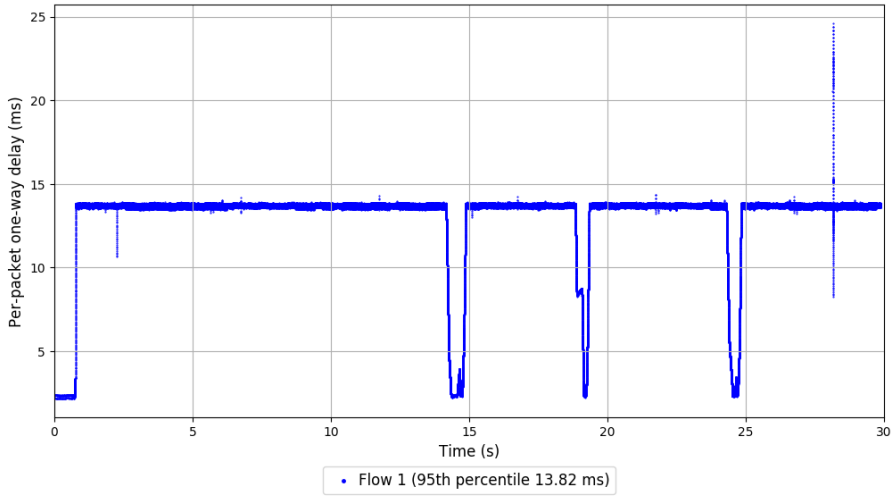
```
Run 5: Statistics of Vivace-loss

Start at: 2018-04-03 06:04:45
End at: 2018-04-03 06:05:15
Local clock offset: -6.309 ms
Remote clock offset: -5.769 ms

# Below is generated by plot.py at 2018-04-03 11:42:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.06%
```

Run 5: Report of Vivace-loss — Data Link



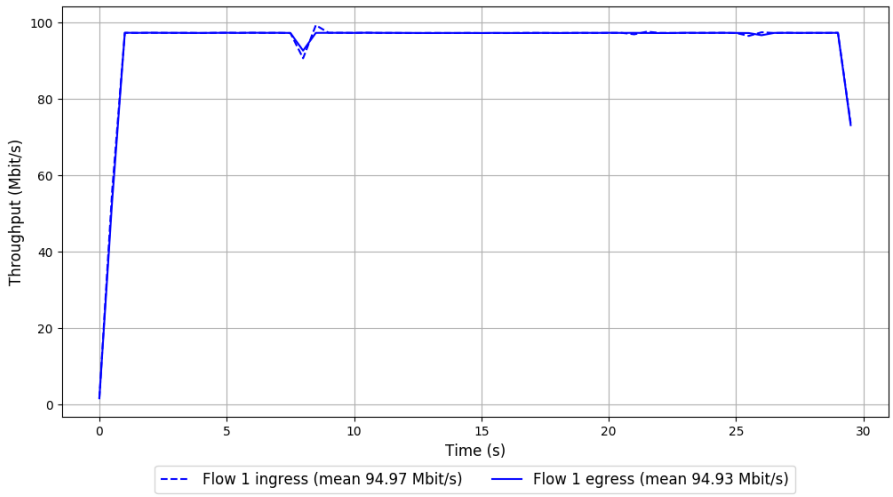


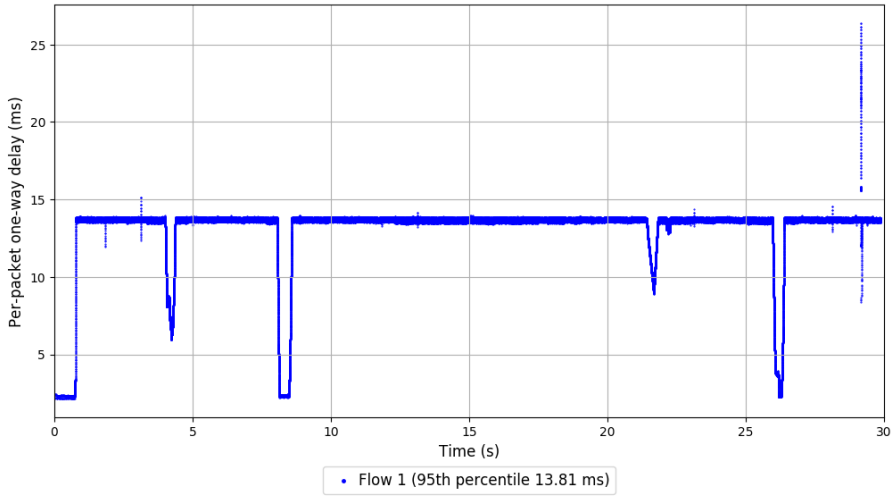
```
Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 06:25:08
End at: 2018-04-03 06:25:38
Local clock offset: -6.472 ms
Remote clock offset: -5.722 ms

# Below is generated by plot.py at 2018-04-03 11:42:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 13.813 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 13.813 ms
Loss rate: 0.06%
```

Run 6: Report of Vivace-loss — Data Link



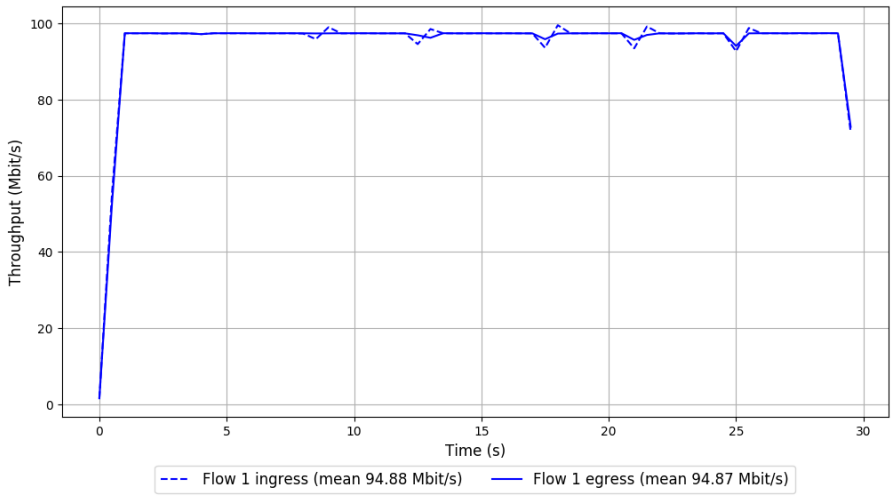


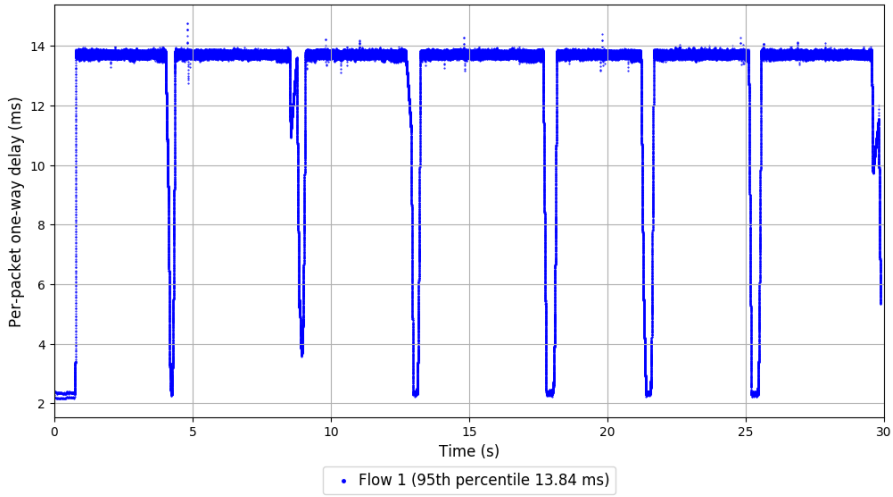
```
Run 7: Statistics of Vivace-loss

Start at: 2018-04-03 06:45:31
End at: 2018-04-03 06:46:01
Local clock offset: -6.026 ms
Remote clock offset: -5.692 ms

# Below is generated by plot.py at 2018-04-03 11:42:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 13.837 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 13.837 ms
Loss rate: 0.02%
```

Run 7: Report of Vivace-loss — Data Link



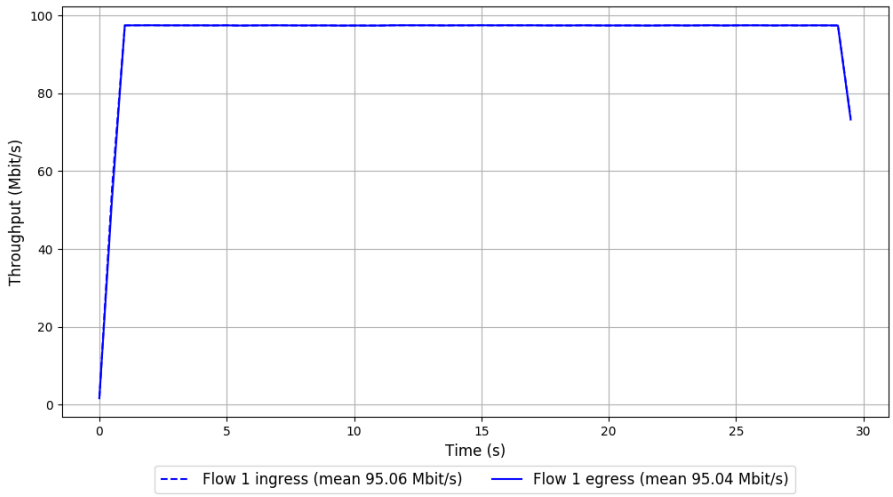


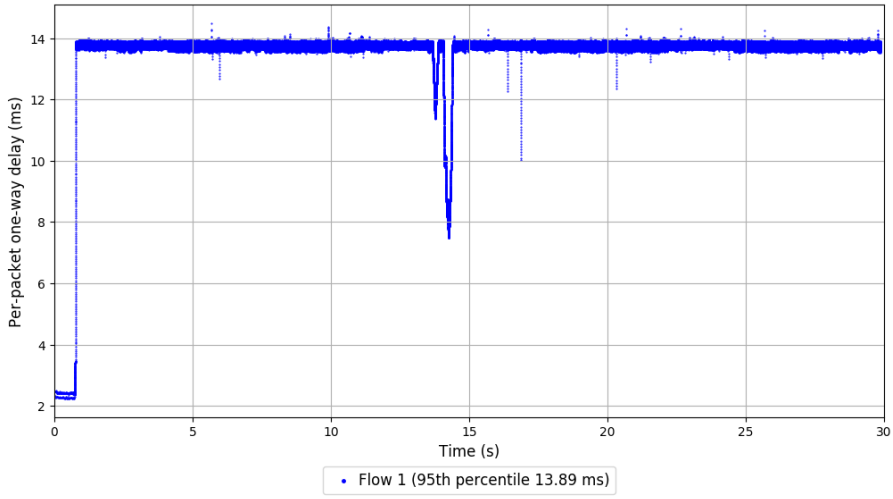
```
Run 8: Statistics of Vivace-loss

Start at: 2018-04-03 07:05:53
End at: 2018-04-03 07:06:23
Local clock offset: -6.723 ms
Remote clock offset: -5.842 ms

# Below is generated by plot.py at 2018-04-03 11:42:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 13.890 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 13.890 ms
Loss rate: 0.05%
```

Run 8: Report of Vivace-loss — Data Link



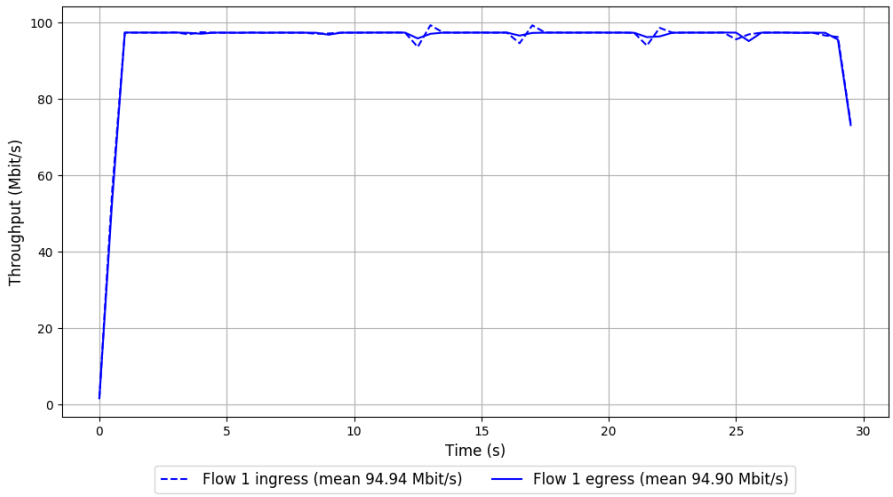


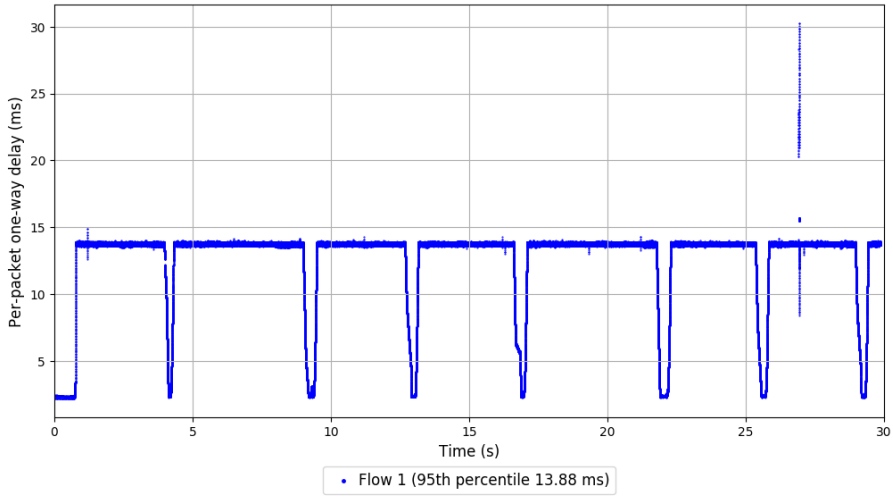
```
Run 9: Statistics of Vivace-loss

Start at: 2018-04-03 07:26:17
End at: 2018-04-03 07:26:47
Local clock offset: -7.497 ms
Remote clock offset: -6.563 ms

# Below is generated by plot.py at 2018-04-03 11:43:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 13.883 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 13.883 ms
Loss rate: 0.06%
```

Run 9: Report of Vivace-loss — Data Link



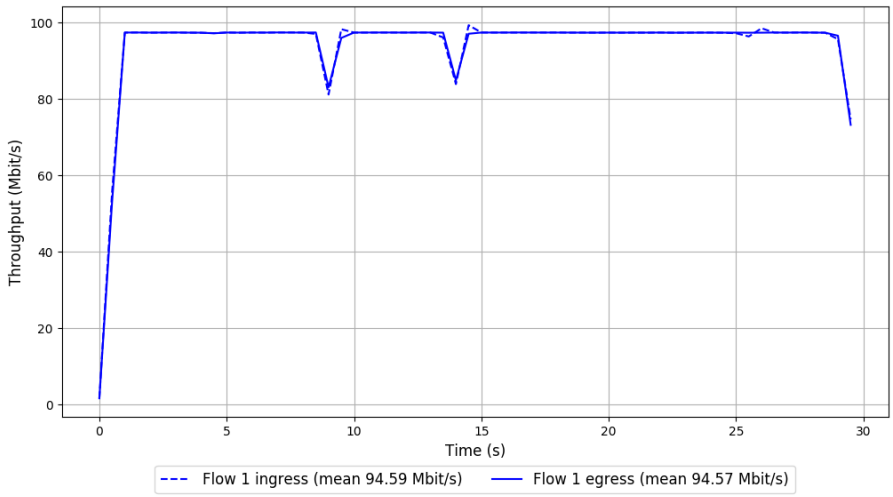


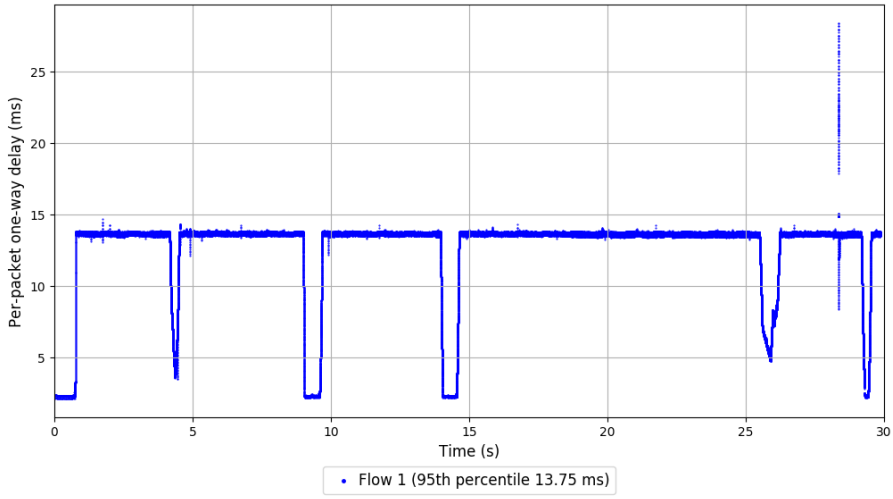
```
Run 10: Statistics of Vivace-loss

Start at: 2018-04-03 07:46:40
End at: 2018-04-03 07:47:10
Local clock offset: -6.829 ms
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2018-04-03 11:43:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 13.752 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 13.752 ms
Loss rate: 0.06%
```

Run 10: Report of Vivace-loss — Data Link



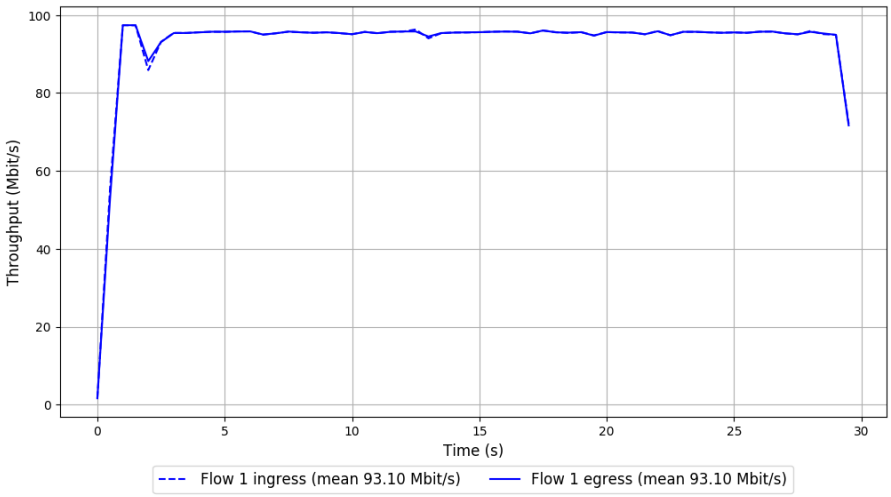


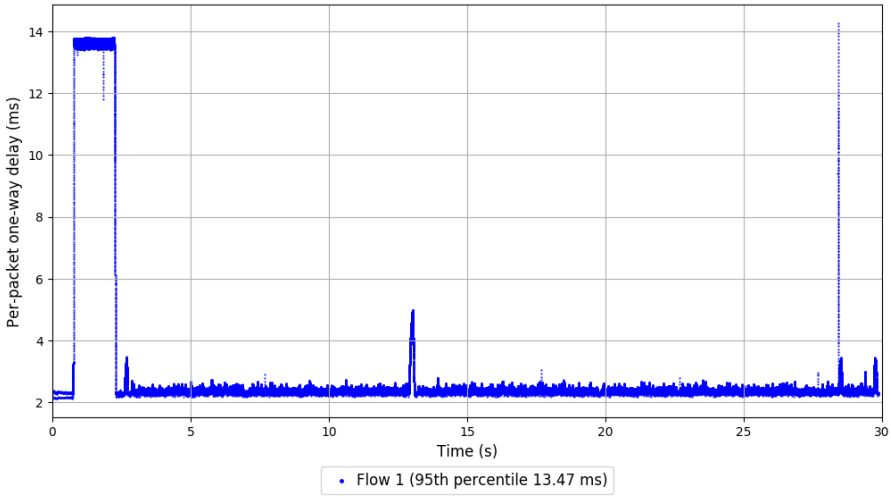
```
Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 04:39:48
End at: 2018-04-03 04:40:18
Local clock offset: -5.969 ms
Remote clock offset: -5.759 ms

# Below is generated by plot.py at 2018-04-03 11:43:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 13.470 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 13.470 ms
Loss rate: 0.02%
```

Run 1: Report of Vivace-LTE — Data Link



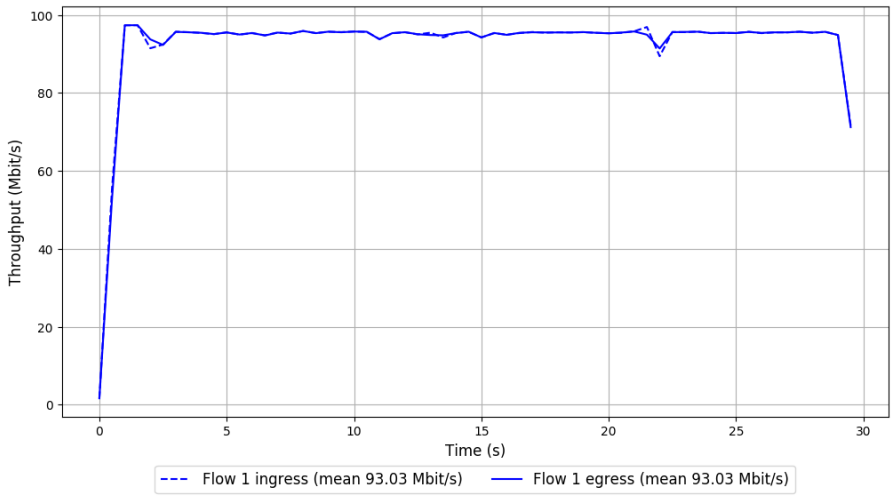


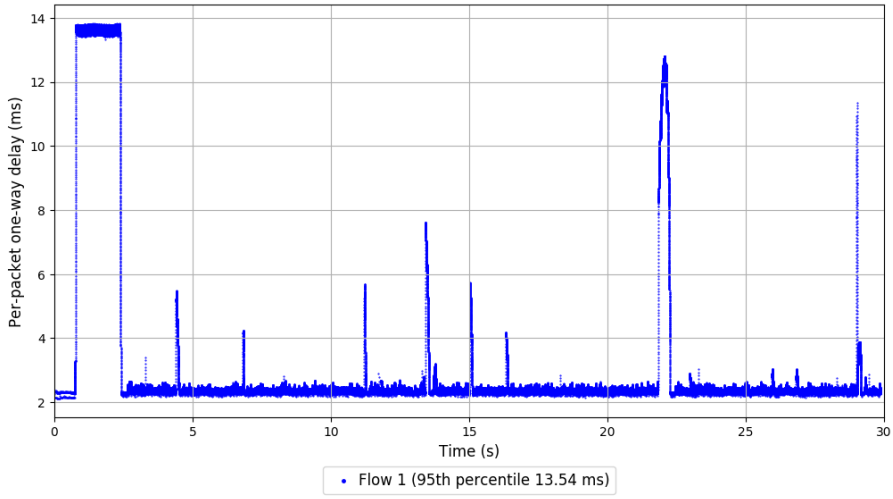
```
Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 05:00:11
End at: 2018-04-03 05:00:41
Local clock offset: -5.697 ms
Remote clock offset: -5.964 ms

# Below is generated by plot.py at 2018-04-03 11:43:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 13.544 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 13.544 ms
Loss rate: 0.02%
```

Run 2: Report of Vivace-LTE — Data Link



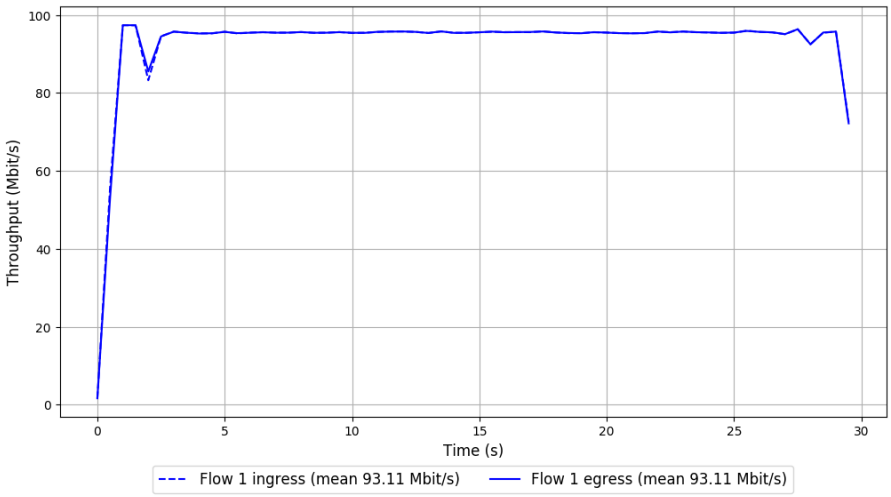


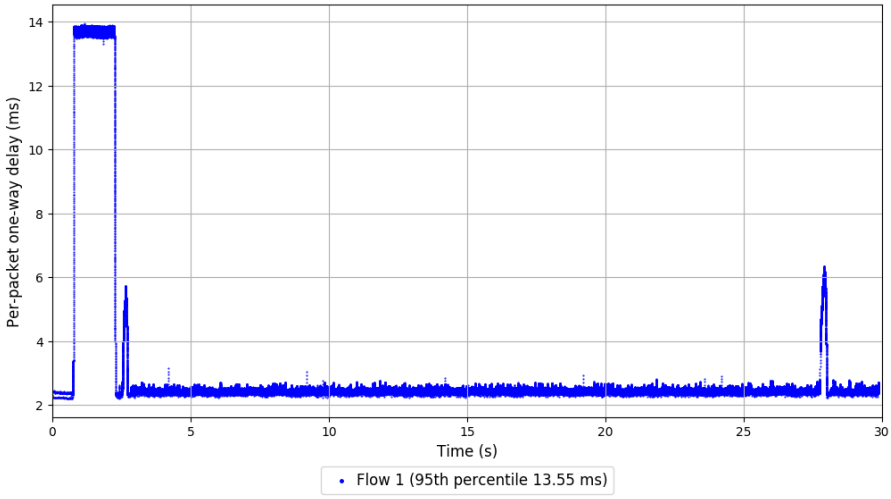
```
Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 05:20:34
End at: 2018-04-03 05:21:04
Local clock offset: -5.652 ms
Remote clock offset: -5.924 ms

# Below is generated by plot.py at 2018-04-03 11:43:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 13.553 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 13.553 ms
Loss rate: 0.02%
```

Run 3: Report of Vivace-LTE — Data Link



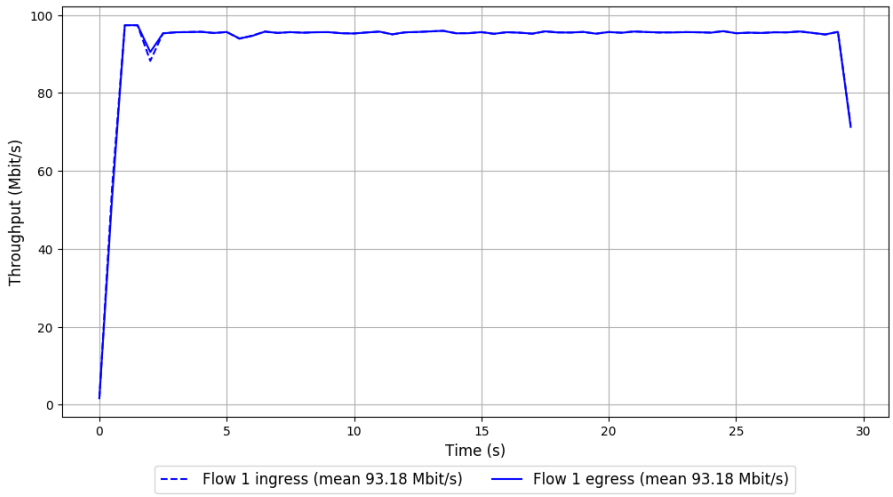


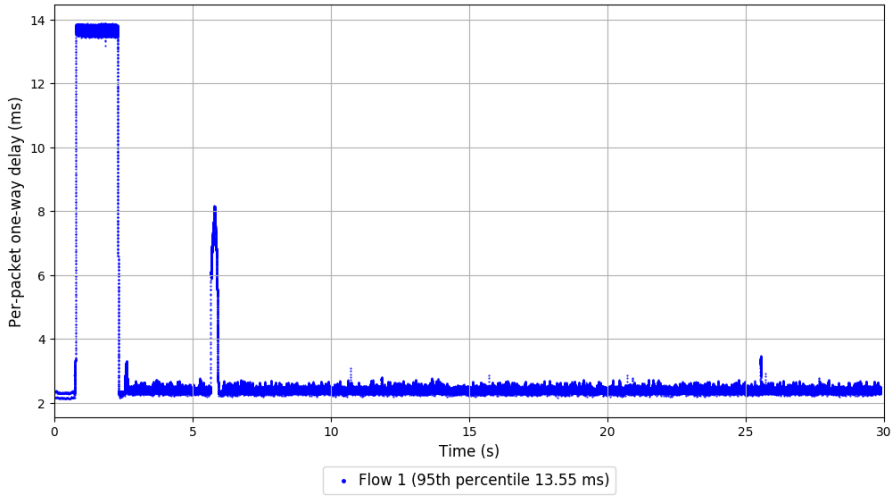
```
Run 4: Statistics of Vivace-LTE

Start at: 2018-04-03 05:40:57
End at: 2018-04-03 05:41:27
Local clock offset: -5.795 ms
Remote clock offset: -5.765 ms

# Below is generated by plot.py at 2018-04-03 11:43:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 13.546 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 13.546 ms
Loss rate: 0.02%
```

Run 4: Report of Vivace-LTE — Data Link



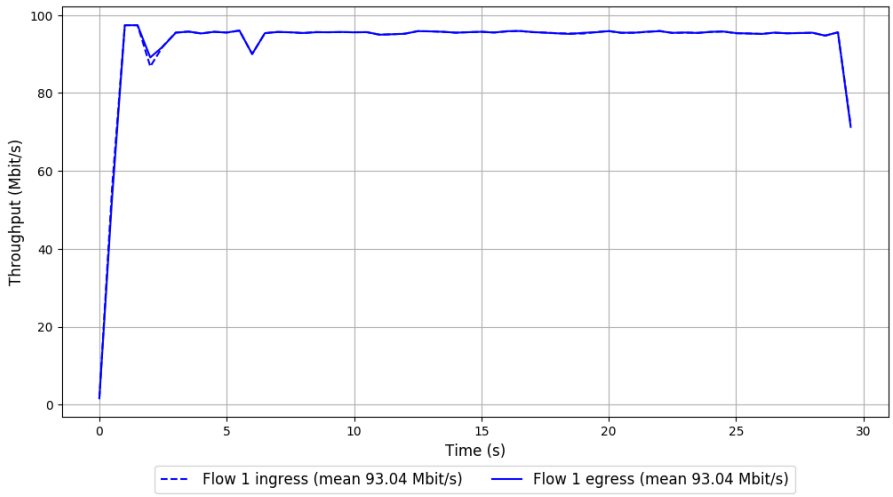


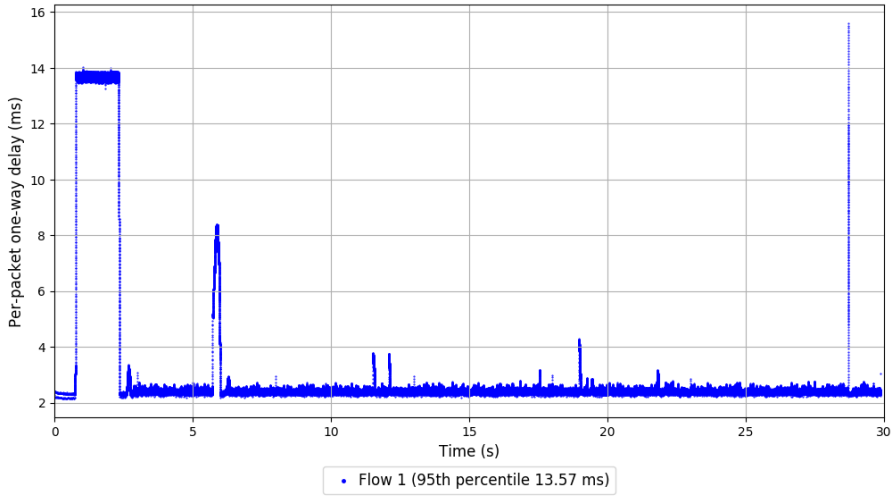
```
Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 06:01:20
End at: 2018-04-03 06:01:50
Local clock offset: -6.266 ms
Remote clock offset: -5.752 ms

# Below is generated by plot.py at 2018-04-03 11:43:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 13.567 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 13.567 ms
Loss rate: 0.02%
```

Run 5: Report of Vivace-LTE — Data Link



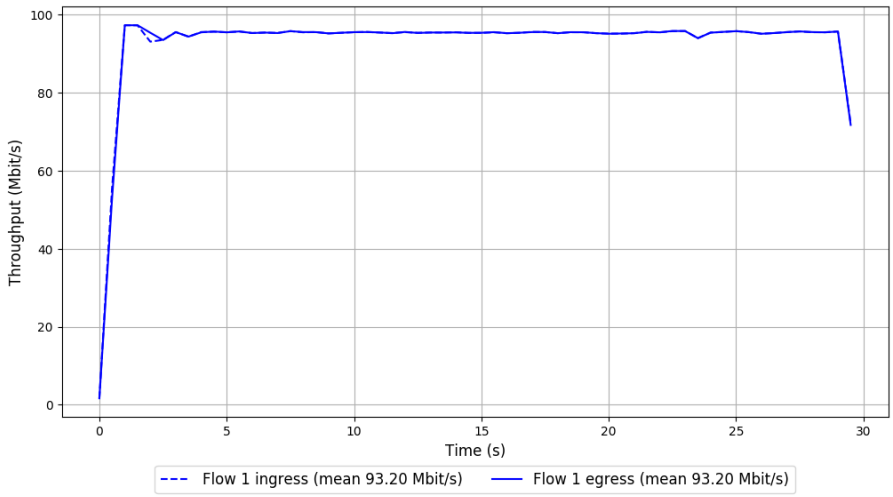


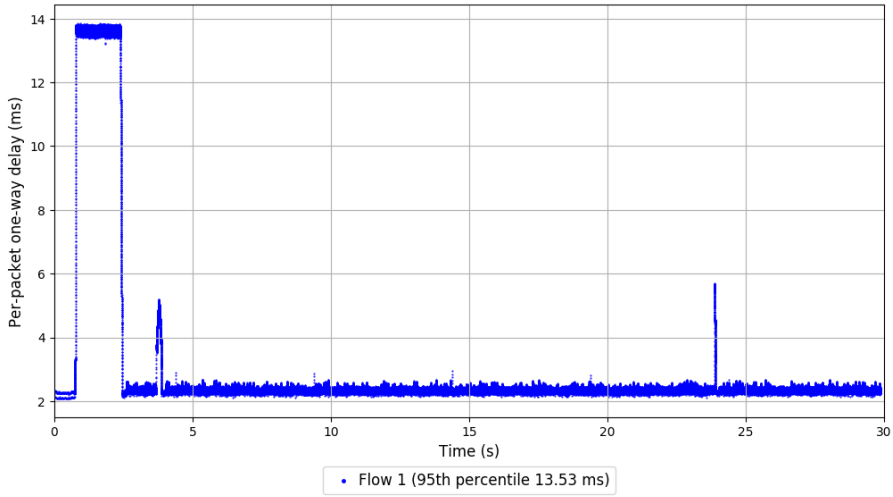
```
Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 06:21:42
End at: 2018-04-03 06:22:12
Local clock offset: -6.583 ms
Remote clock offset: -5.747 ms

# Below is generated by plot.py at 2018-04-03 11:43:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 13.533 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 13.533 ms
Loss rate: 0.01%
```

Run 6: Report of Vivace-LTE — Data Link



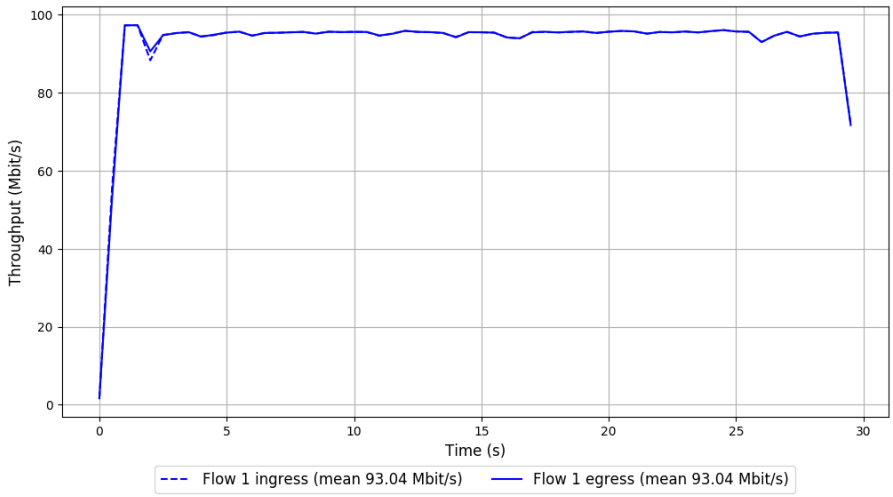


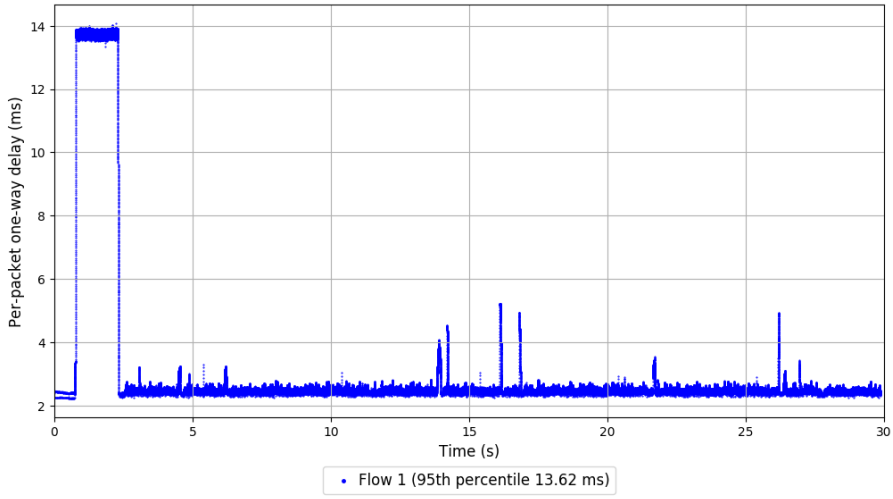
```
Run 7: Statistics of Vivace-LTE

Start at: 2018-04-03 06:42:05
End at: 2018-04-03 06:42:35
Local clock offset: -6.043 ms
Remote clock offset: -5.745 ms

# Below is generated by plot.py at 2018-04-03 11:44:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 13.620 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 13.620 ms
Loss rate: 0.01%
```

Run 7: Report of Vivace-LTE — Data Link



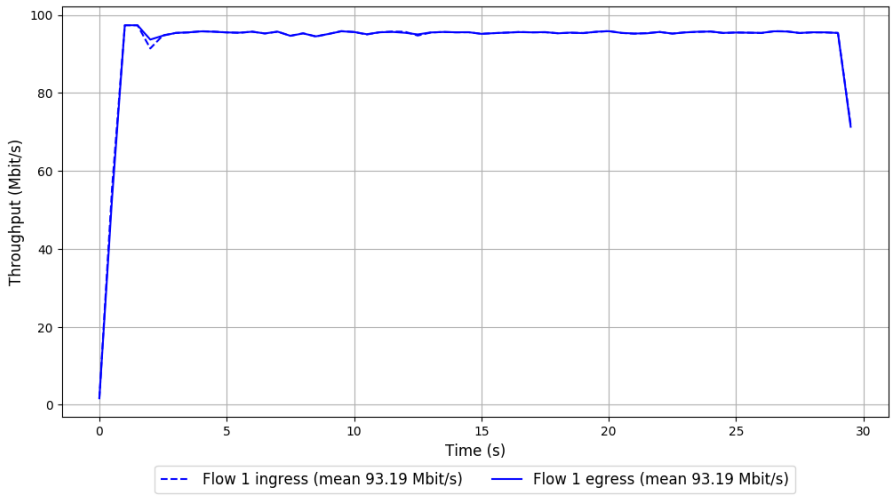


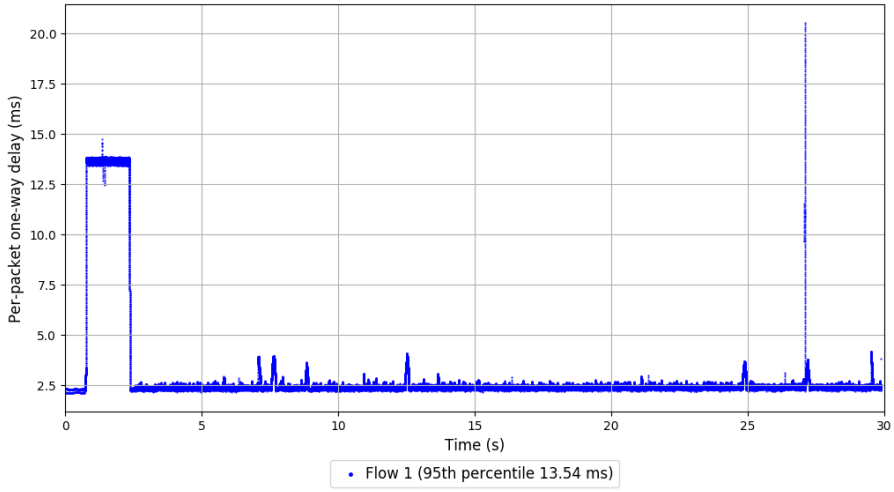
```
Run 8: Statistics of Vivace-LTE

Start at: 2018-04-03 07:02:28
End at: 2018-04-03 07:02:58
Local clock offset: -6.534 ms
Remote clock offset: -5.632 ms

# Below is generated by plot.py at 2018-04-03 11:44:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 13.540 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 13.540 ms
Loss rate: 0.02%
```

Run 8: Report of Vivace-LTE — Data Link



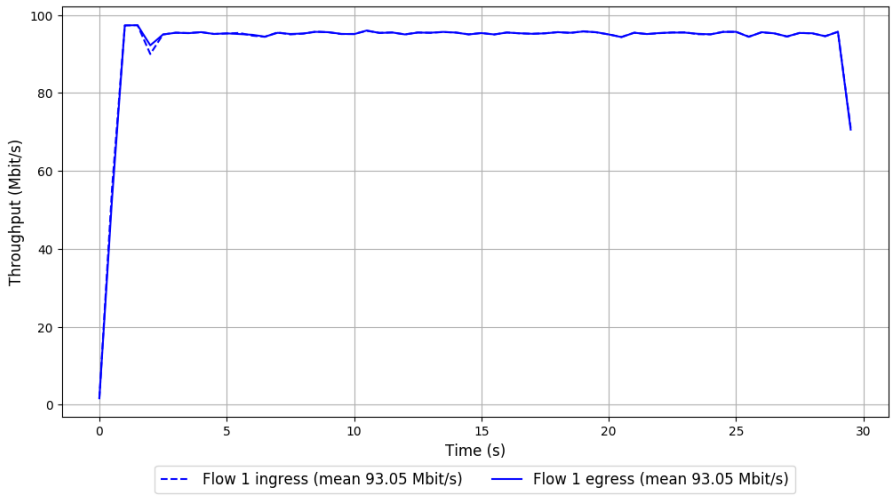


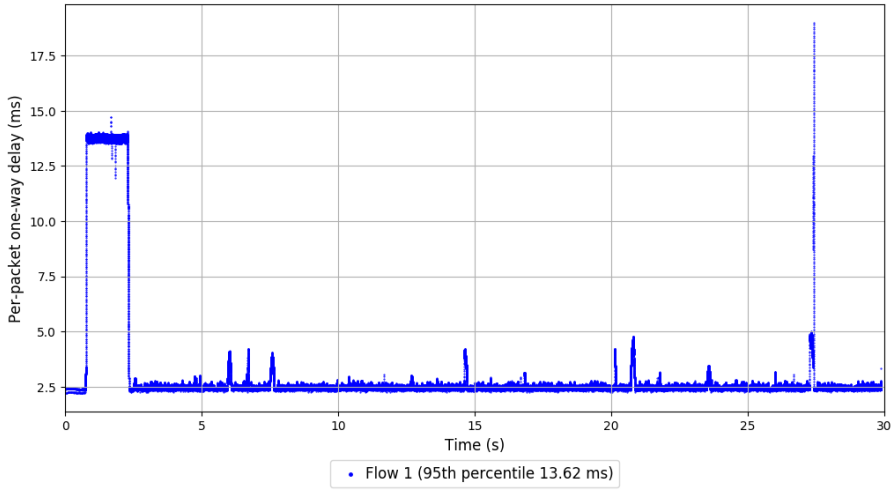
```
Run 9: Statistics of Vivace-LTE

Start at: 2018-04-03 07:22:51
End at: 2018-04-03 07:23:21
Local clock offset: -7.404 ms
Remote clock offset: -6.485 ms

# Below is generated by plot.py at 2018-04-03 11:44:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 13.623 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 13.623 ms
Loss rate: 0.02%
```

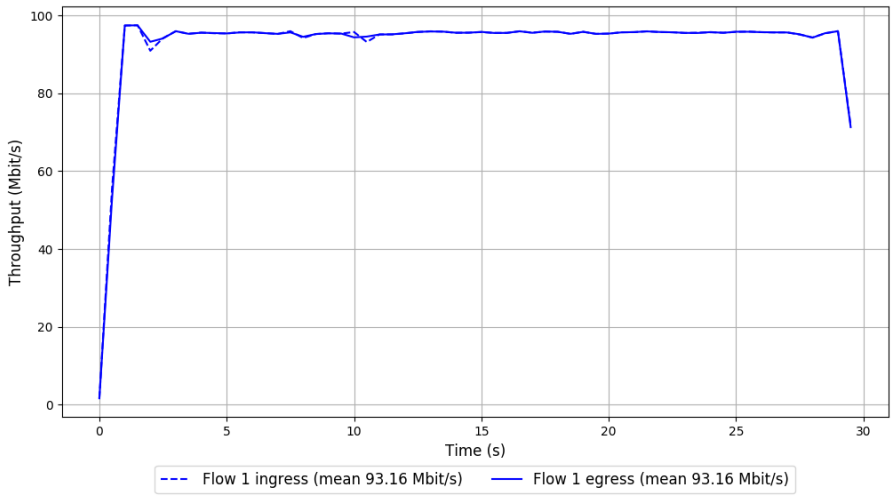
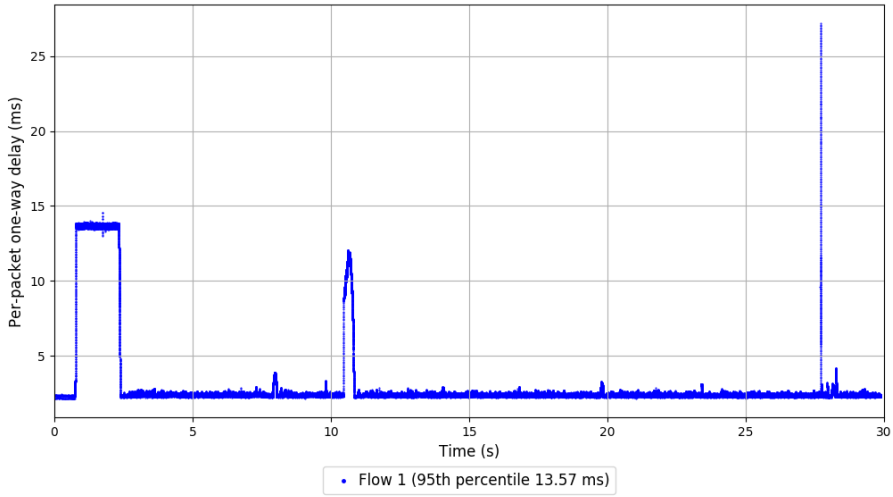
Run 9: Report of Vivace-LTE — Data Link





```
Run 10: Statistics of Vivace-LTE

Start at: 2018-04-03 07:43:14
End at: 2018-04-03 07:43:44
Local clock offset: -6.88 ms
Remote clock offset: -6.695 ms

# Below is generated by plot.py at 2018-04-03 11:44:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 13.574 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 13.574 ms
Loss rate: 0.02%
```

Run 10: Report of Vivace-LTE — Data Link