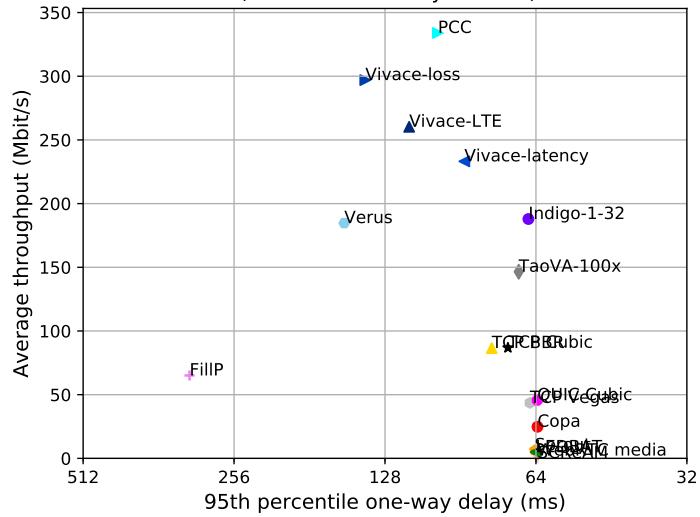


Pantheon Report

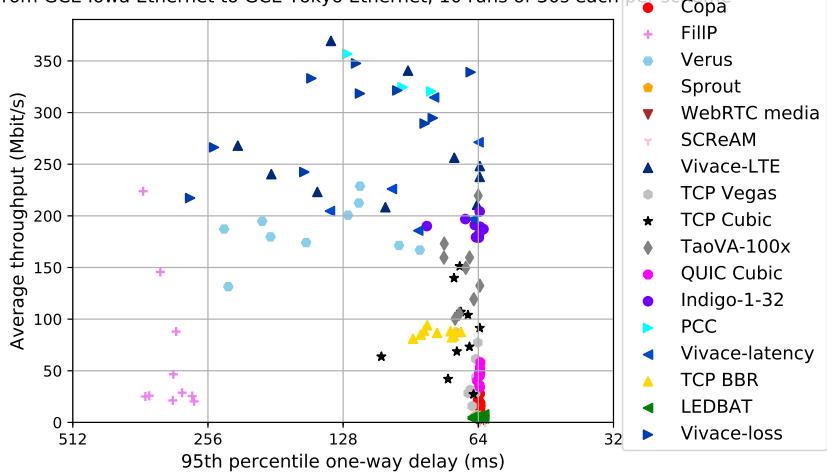
Generated at 2018-01-31 07:04:08 (UTC).
Data path: GCE Iowa Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

Git summary:
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42

test from GCE Iowa Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	86.58	78.39	0.37
TCP Cubic	10	86.83	72.78	0.09
LEDBAT	10	4.80	64.12	0.69
PCC	3	333.97	100.39	0.07
QUIC Cubic	10	45.64	63.61	0.00
SCReAM	10	0.22	63.60	0.01
WebRTC media	10	2.21	63.67	0.00
Sprout	10	6.34	64.39	0.64
TaoVA-100x	9	146.52	69.27	0.00
TCP Vegas	10	43.53	65.81	0.22
Verus	10	184.72	154.35	0.81
Copa	9	24.81	63.55	0.00
FillP	10	65.09	314.08	8.09
Indigo-1-32	10	187.90	66.25	0.03
Vivace-latency	6	233.18	88.93	0.01
Vivace-loss	10	296.98	140.14	0.70
Vivace-LTE	10	260.31	114.57	0.36

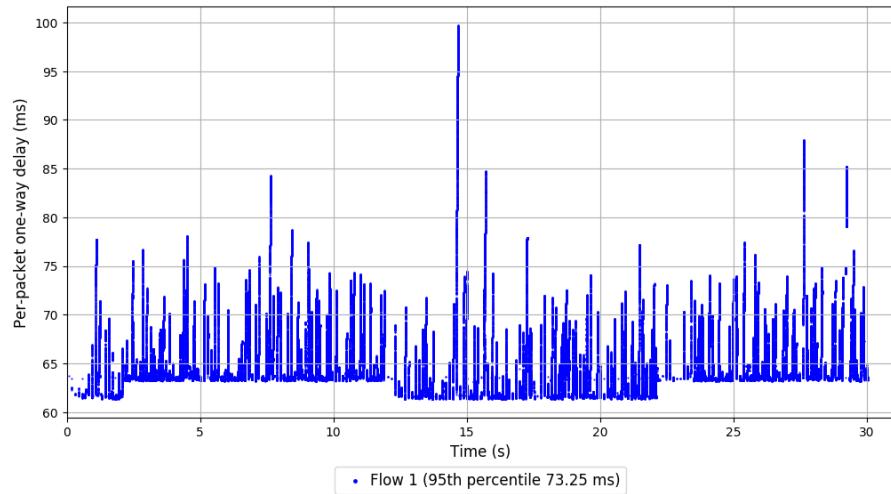
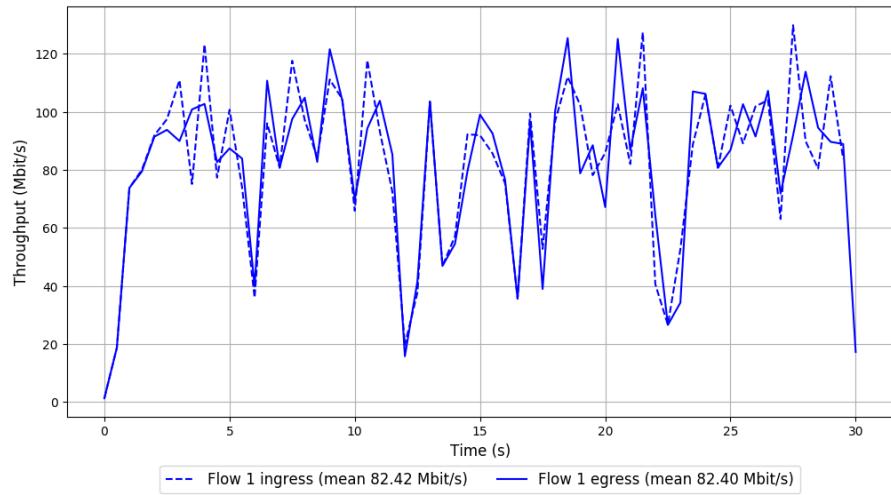
Run 1: Statistics of TCP BBR

Start at: 2018-01-31 03:06:02

End at: 2018-01-31 03:06:32

```
# Below is generated by plot.py at 2018-01-31 06:17:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 73.254 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 73.254 ms
Loss rate: 0.02%
```

Run 1: Report of TCP BBR — Data Link



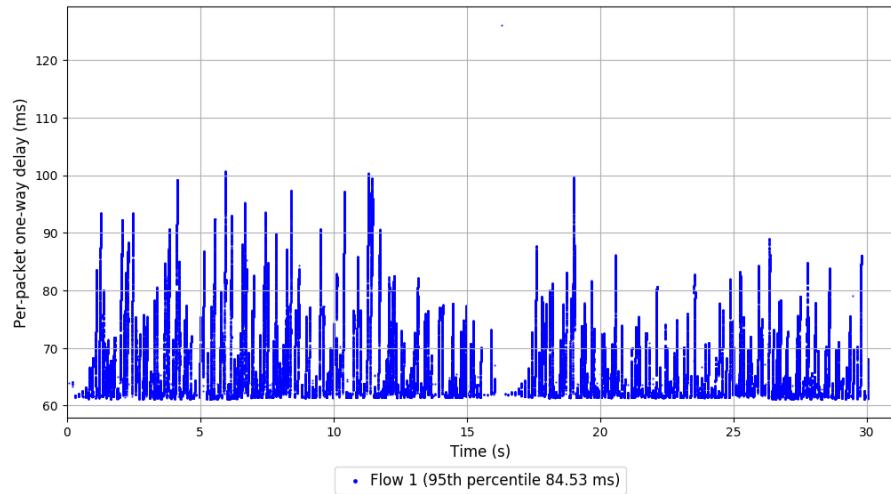
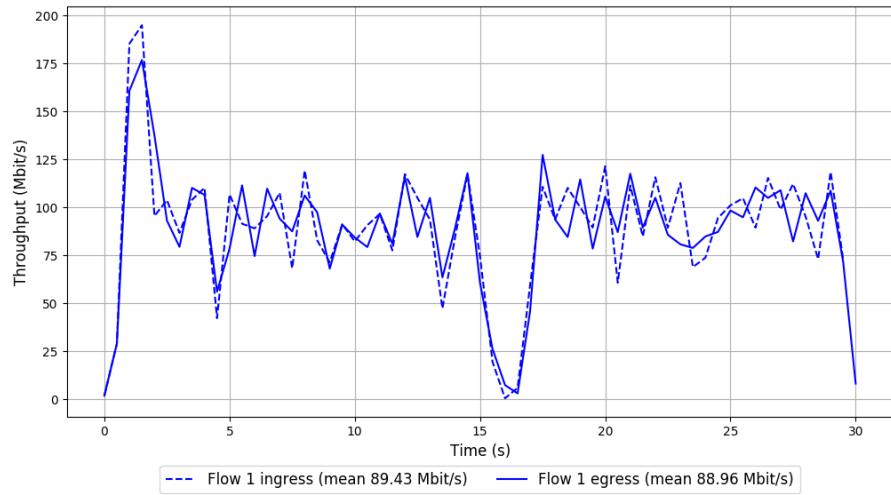
Run 2: Statistics of TCP BBR

Start at: 2018-01-31 03:19:17

End at: 2018-01-31 03:19:47

```
# Below is generated by plot.py at 2018-01-31 06:17:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 84.527 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 84.527 ms
Loss rate: 0.52%
```

Run 2: Report of TCP BBR — Data Link



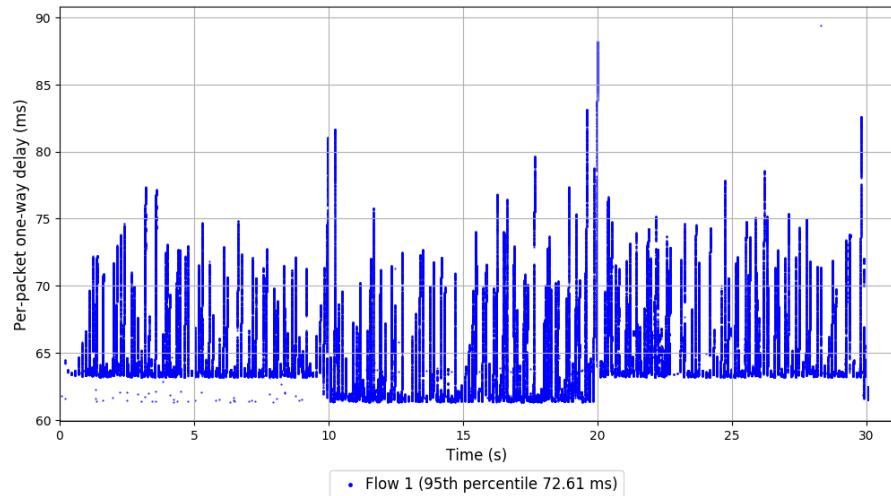
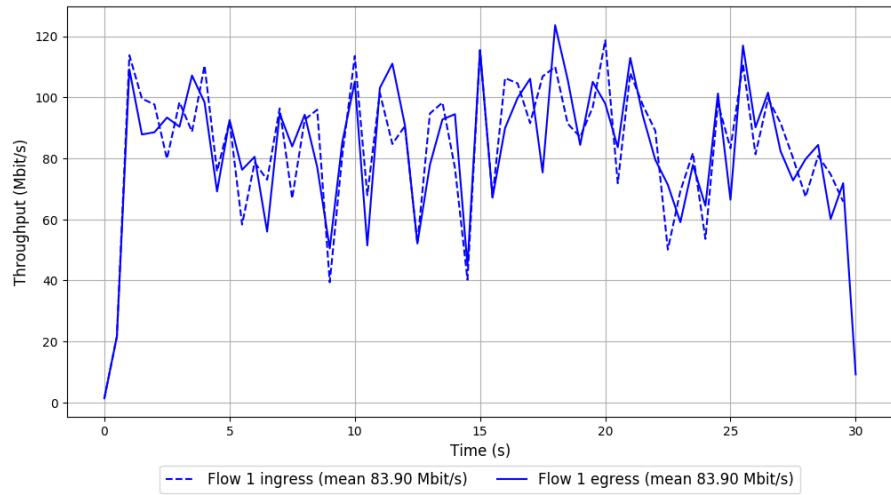
Run 3: Statistics of TCP BBR

Start at: 2018-01-31 03:32:54

End at: 2018-01-31 03:33:24

```
# Below is generated by plot.py at 2018-01-31 06:17:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 72.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 72.613 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link



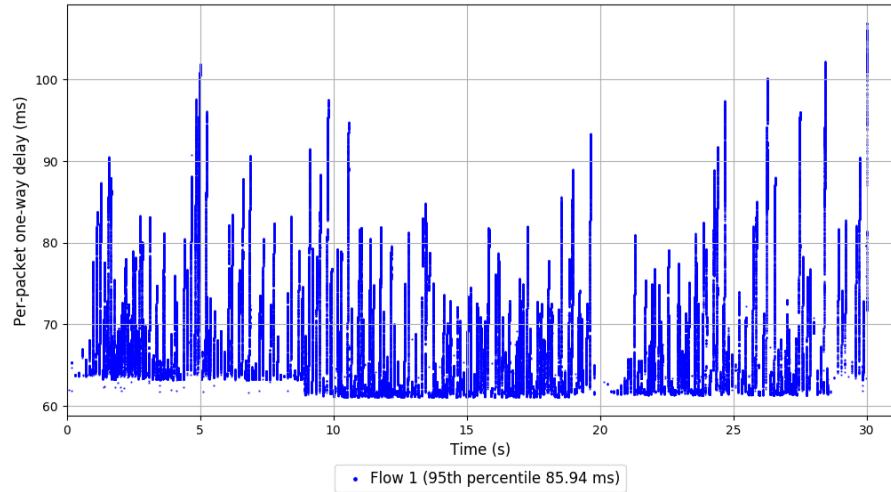
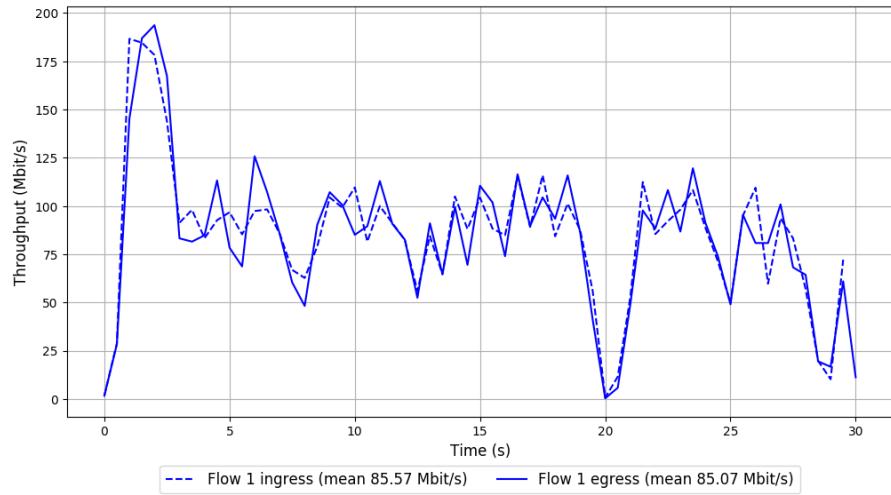
Run 4: Statistics of TCP BBR

Start at: 2018-01-31 03:46:25

End at: 2018-01-31 03:46:55

```
# Below is generated by plot.py at 2018-01-31 06:17:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 85.936 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 85.936 ms
Loss rate: 0.54%
```

Run 4: Report of TCP BBR — Data Link



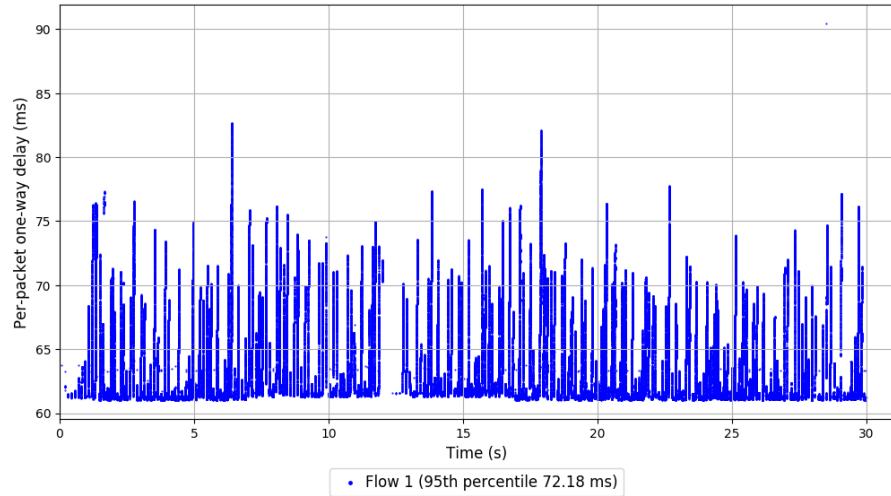
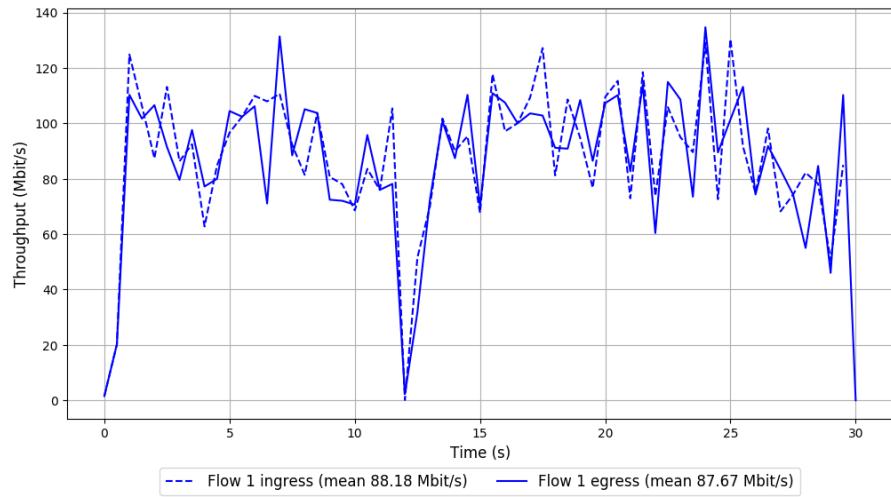
Run 5: Statistics of TCP BBR

Start at: 2018-01-31 03:59:37

End at: 2018-01-31 04:00:07

```
# Below is generated by plot.py at 2018-01-31 06:17:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 72.184 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 72.184 ms
Loss rate: 0.59%
```

Run 5: Report of TCP BBR — Data Link



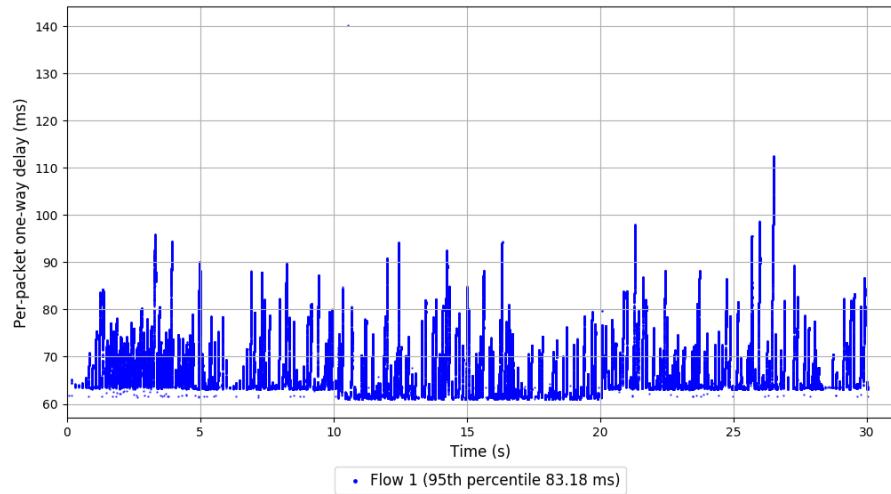
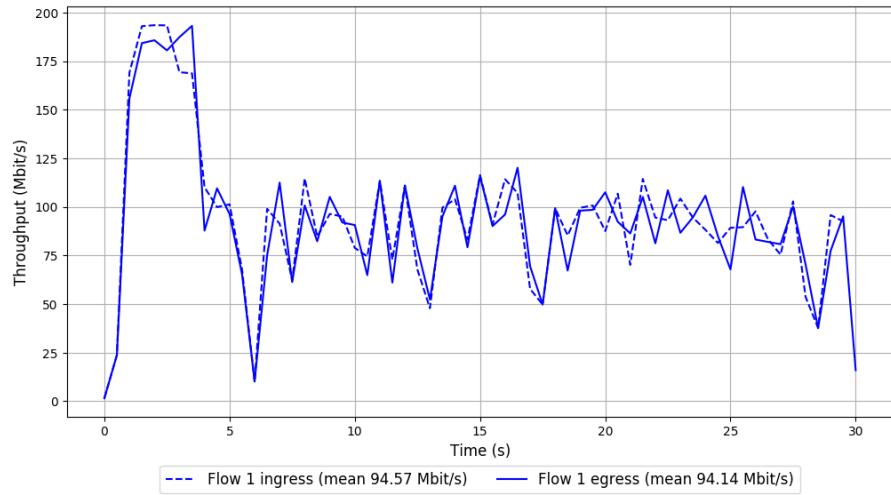
Run 6: Statistics of TCP BBR

Start at: 2018-01-31 04:12:54

End at: 2018-01-31 04:13:24

```
# Below is generated by plot.py at 2018-01-31 06:17:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 83.181 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 83.181 ms
Loss rate: 0.45%
```

Run 6: Report of TCP BBR — Data Link



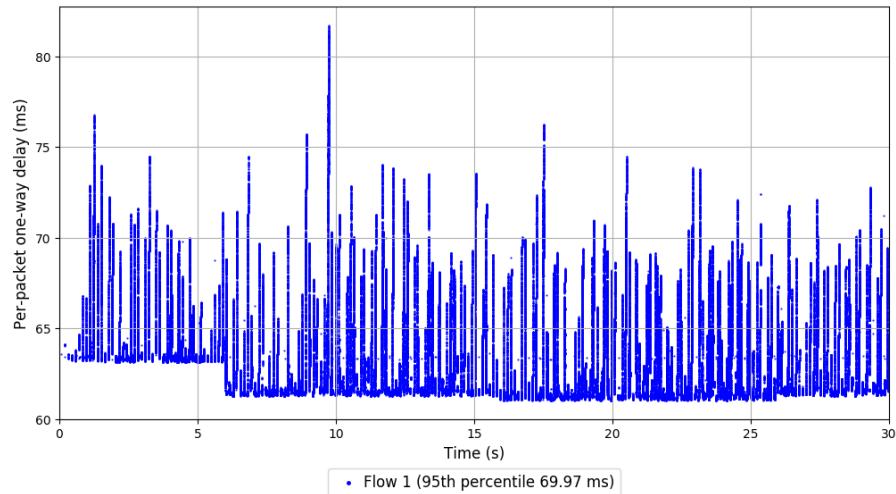
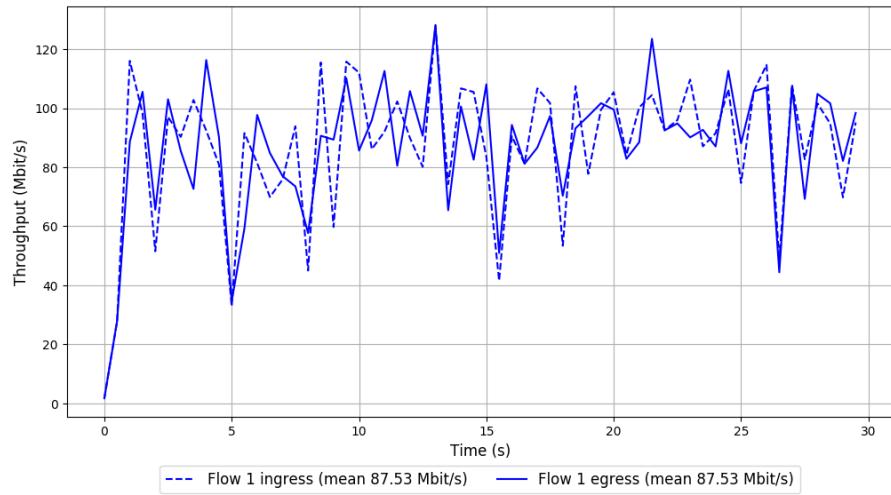
Run 7: Statistics of TCP BBR

Start at: 2018-01-31 04:25:58

End at: 2018-01-31 04:26:28

```
# Below is generated by plot.py at 2018-01-31 06:17:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 69.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 69.970 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link



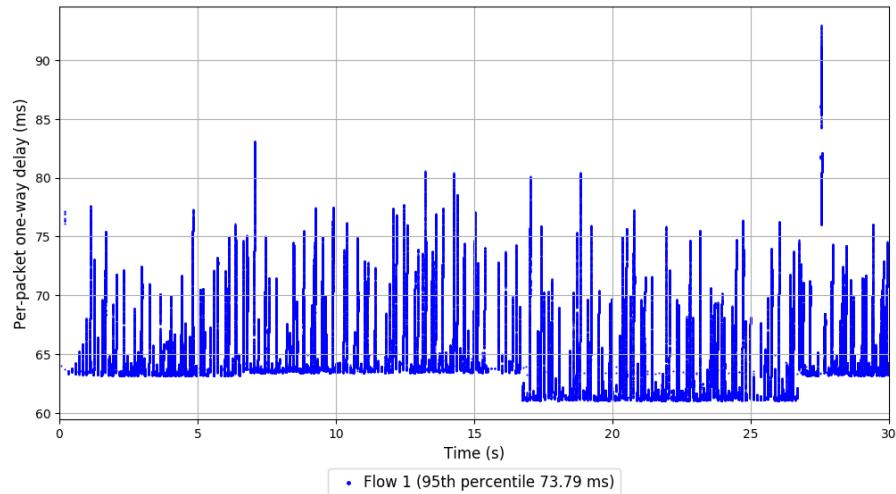
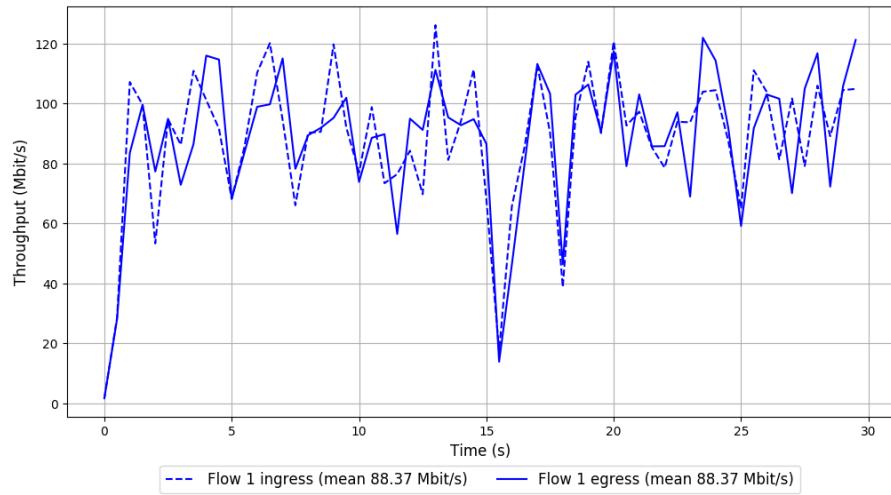
Run 8: Statistics of TCP BBR

Start at: 2018-01-31 04:39:27

End at: 2018-01-31 04:39:57

```
# Below is generated by plot.py at 2018-01-31 06:17:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 73.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 73.790 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link



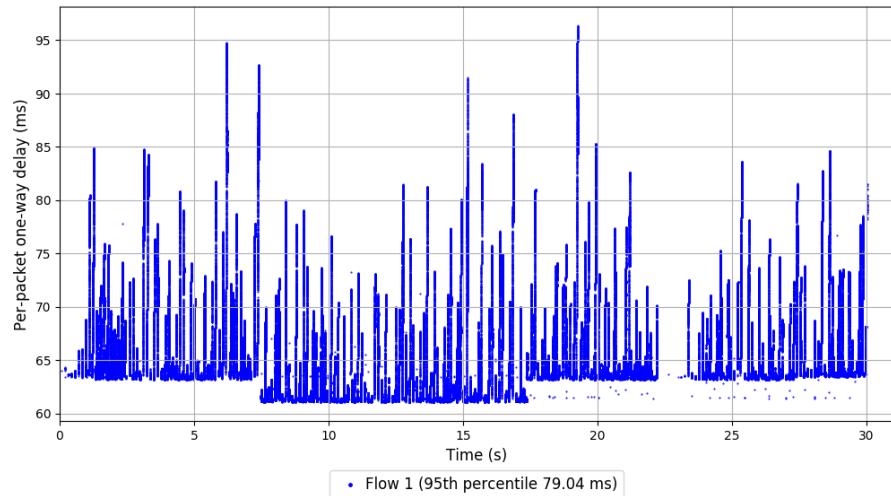
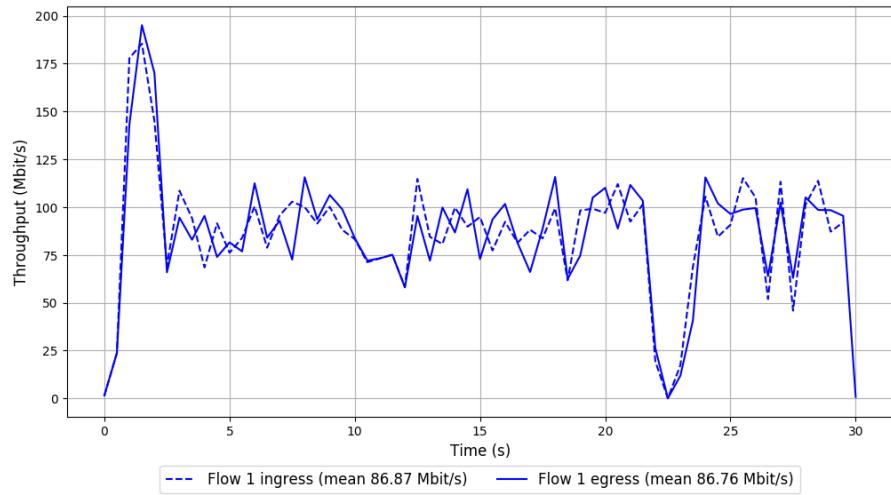
Run 9: Statistics of TCP BBR

Start at: 2018-01-31 04:53:06

End at: 2018-01-31 04:53:36

```
# Below is generated by plot.py at 2018-01-31 06:18:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.76 Mbit/s
95th percentile per-packet one-way delay: 79.044 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.76 Mbit/s
95th percentile per-packet one-way delay: 79.044 ms
Loss rate: 0.08%
```

Run 9: Report of TCP BBR — Data Link



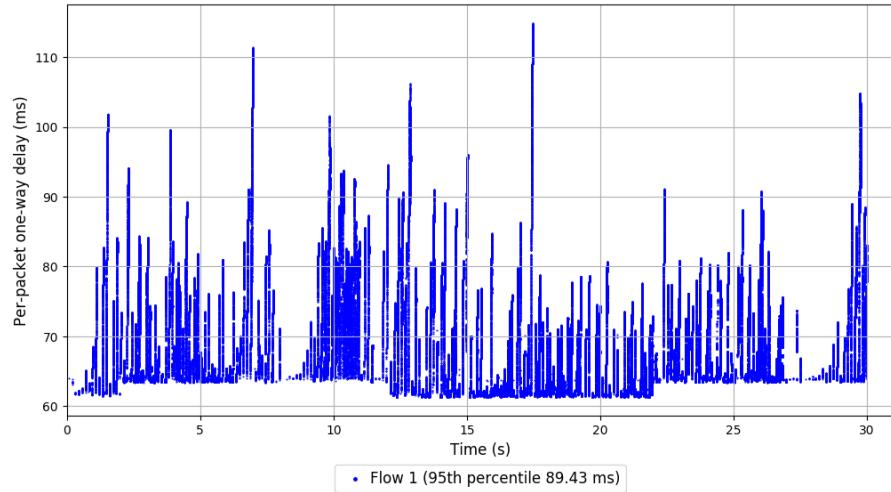
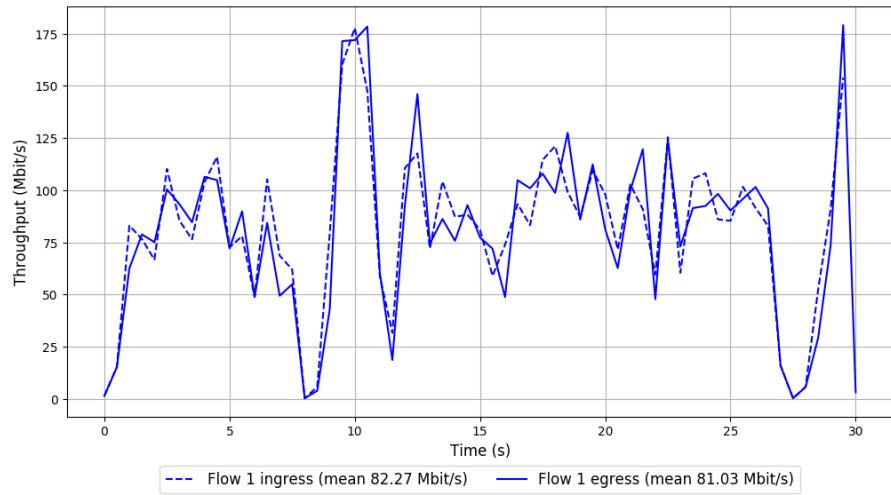
Run 10: Statistics of TCP BBR

Start at: 2018-01-31 05:06:32

End at: 2018-01-31 05:07:02

```
# Below is generated by plot.py at 2018-01-31 06:18:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 89.433 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 89.433 ms
Loss rate: 1.46%
```

Run 10: Report of TCP BBR — Data Link

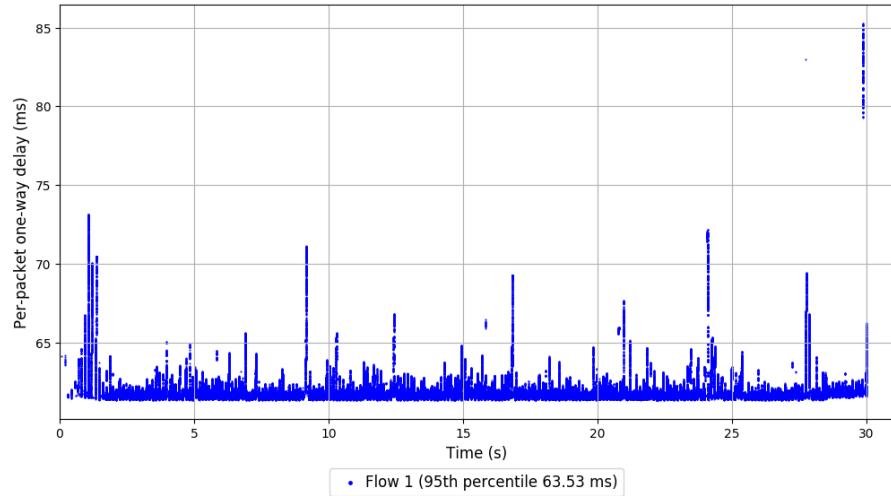
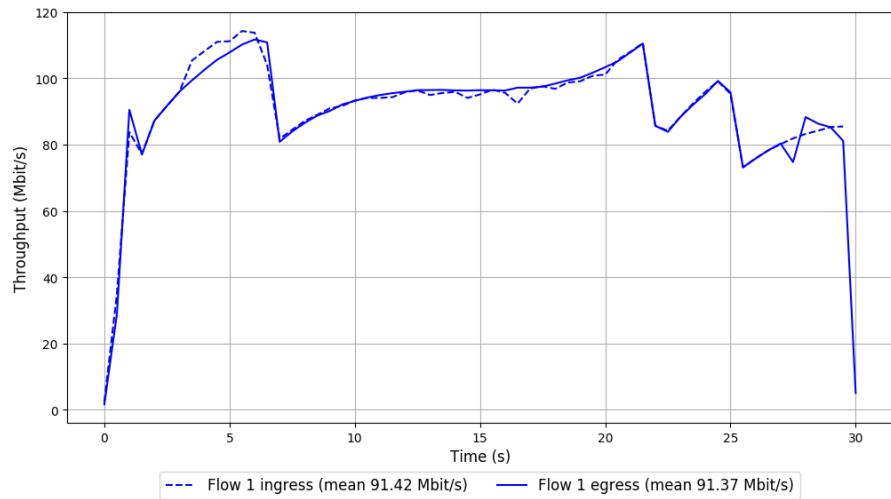


```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-31 02:58:45
End at: 2018-01-31 02:59:15

# Below is generated by plot.py at 2018-01-31 06:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 63.533 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 63.533 ms
Loss rate: 0.05%
```

Run 1: Report of TCP Cubic — Data Link



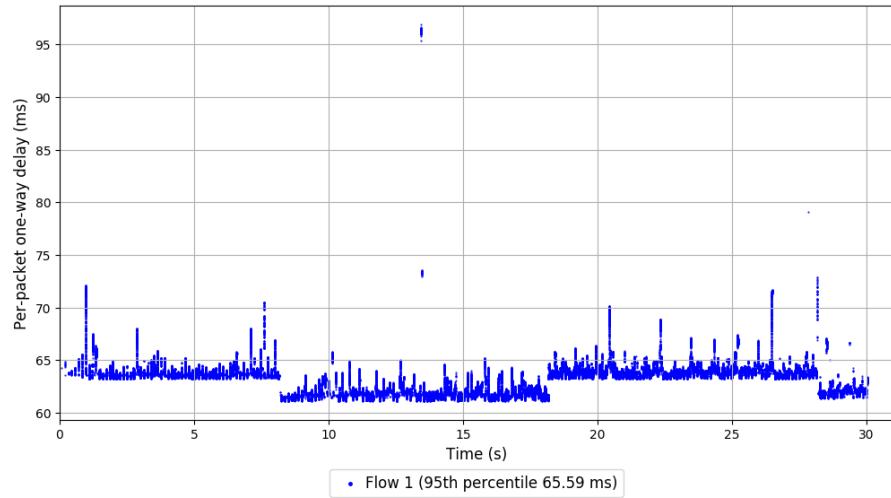
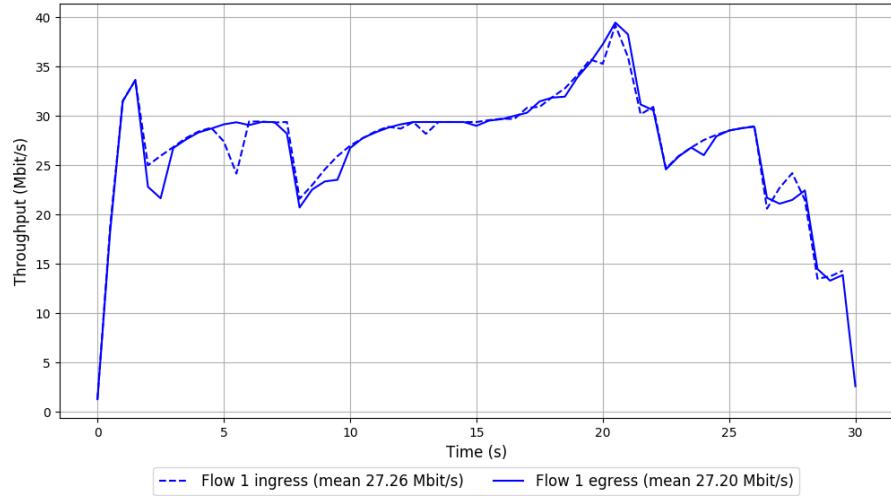
Run 2: Statistics of TCP Cubic

Start at: 2018-01-31 03:12:26

End at: 2018-01-31 03:12:56

```
# Below is generated by plot.py at 2018-01-31 06:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.20 Mbit/s
95th percentile per-packet one-way delay: 65.591 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 27.20 Mbit/s
95th percentile per-packet one-way delay: 65.591 ms
Loss rate: 0.22%
```

Run 2: Report of TCP Cubic — Data Link



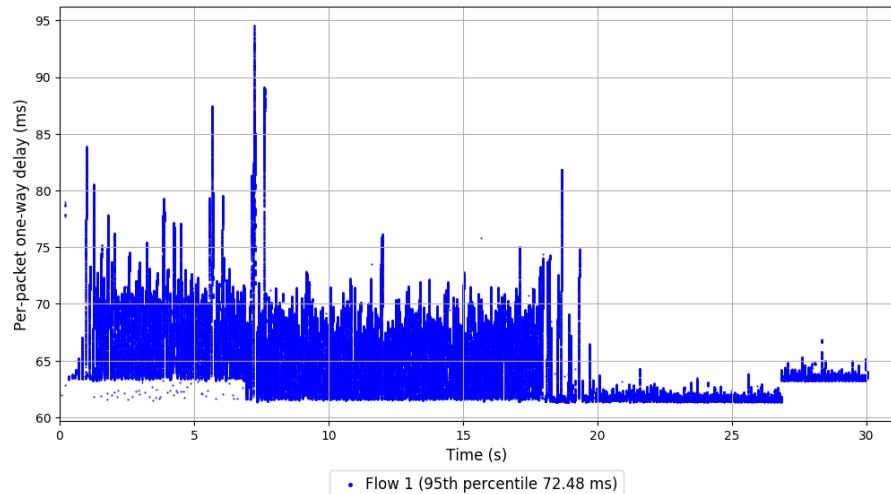
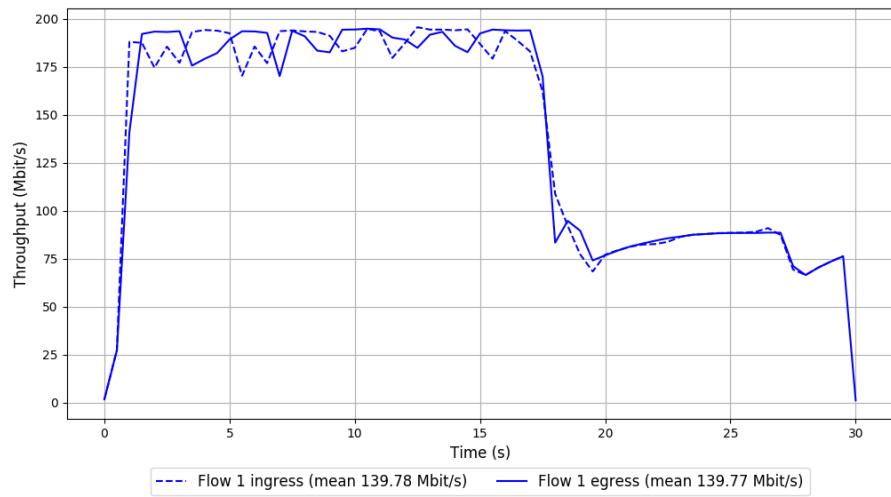
Run 3: Statistics of TCP Cubic

Start at: 2018-01-31 03:25:37

End at: 2018-01-31 03:26:07

```
# Below is generated by plot.py at 2018-01-31 06:20:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 139.77 Mbit/s
95th percentile per-packet one-way delay: 72.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.77 Mbit/s
95th percentile per-packet one-way delay: 72.482 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Cubic — Data Link



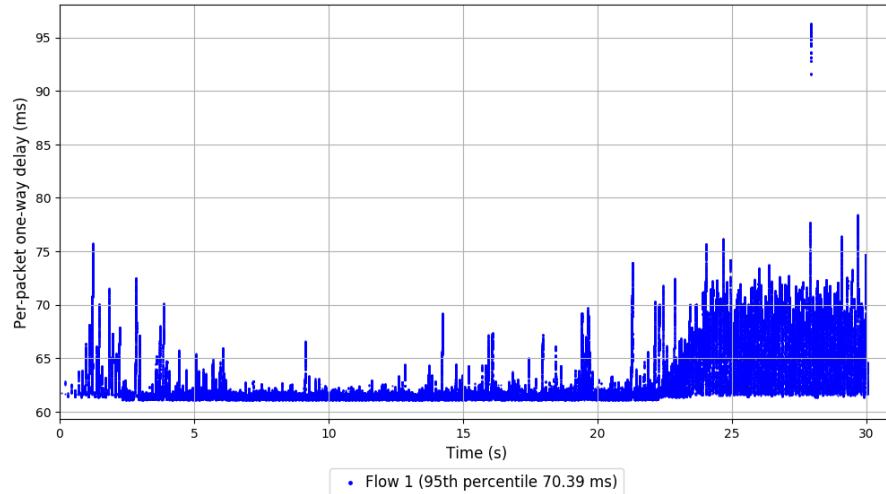
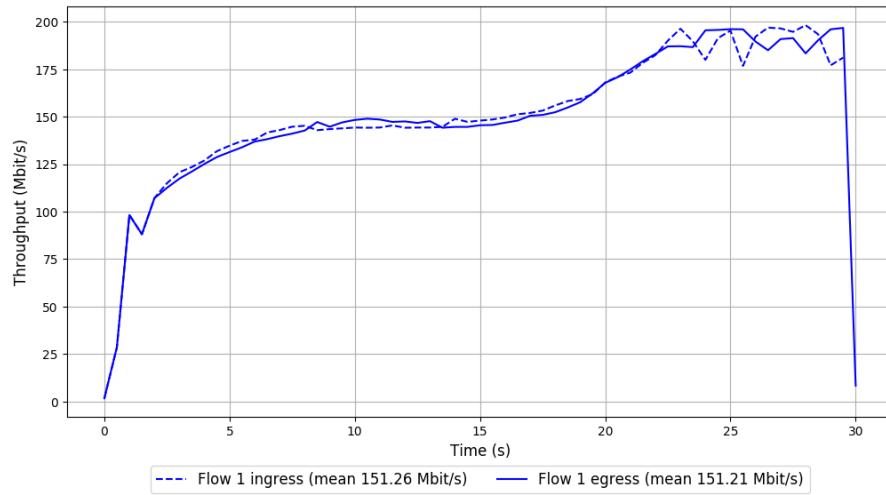
Run 4: Statistics of TCP Cubic

Start at: 2018-01-31 03:39:22

End at: 2018-01-31 03:39:52

```
# Below is generated by plot.py at 2018-01-31 06:20:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.21 Mbit/s
95th percentile per-packet one-way delay: 70.389 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 151.21 Mbit/s
95th percentile per-packet one-way delay: 70.389 ms
Loss rate: 0.03%
```

Run 4: Report of TCP Cubic — Data Link



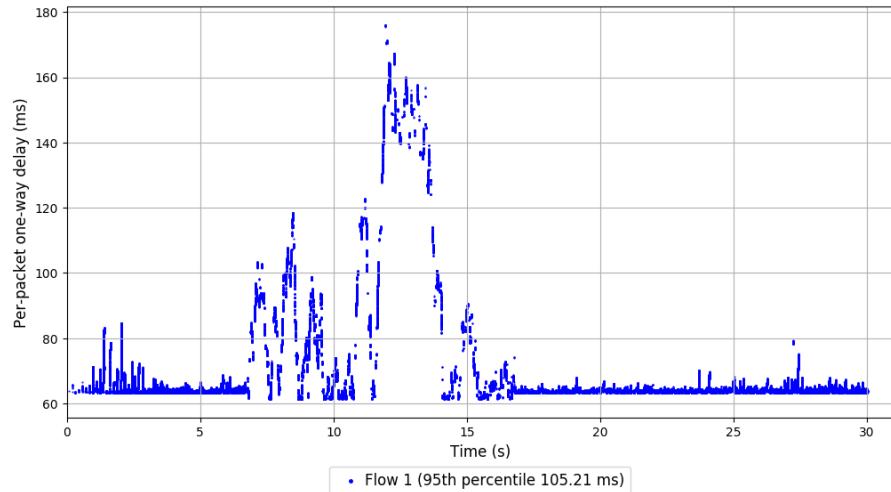
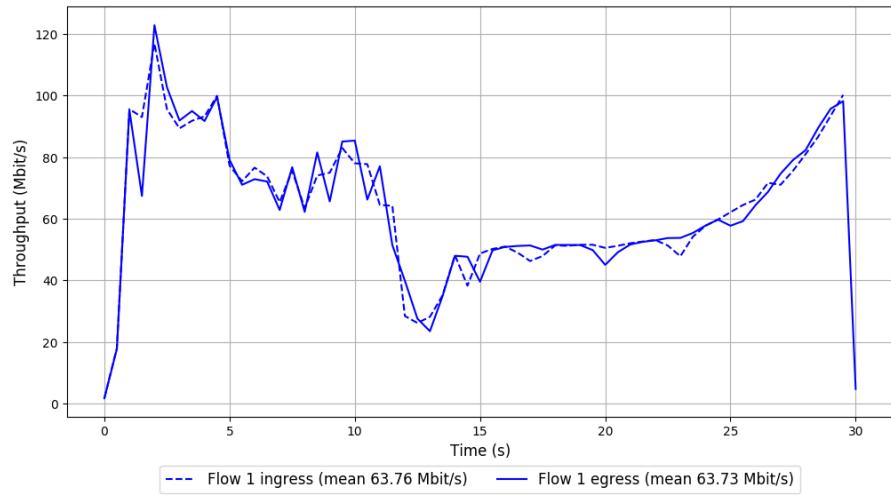
```
Run 5: Statistics of TCP Cubic
```

```
Start at: 2018-01-31 03:52:47
```

```
End at: 2018-01-31 03:53:17
```

```
# Below is generated by plot.py at 2018-01-31 06:20:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 105.211 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 105.211 ms
Loss rate: 0.06%
```

Run 5: Report of TCP Cubic — Data Link



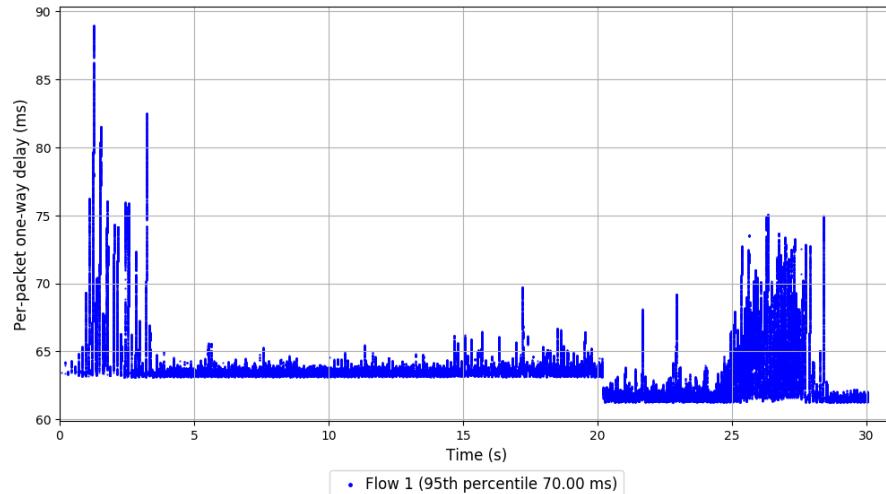
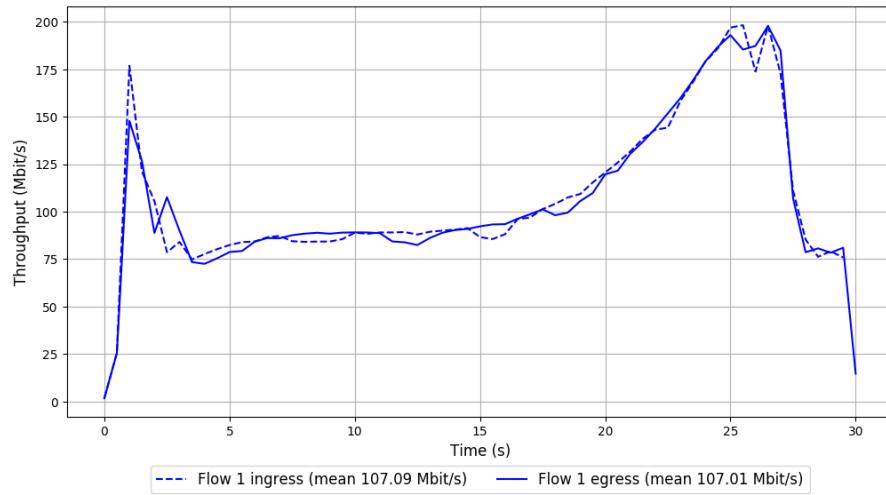
Run 6: Statistics of TCP Cubic

Start at: 2018-01-31 04:06:04

End at: 2018-01-31 04:06:34

```
# Below is generated by plot.py at 2018-01-31 06:20:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.01 Mbit/s
95th percentile per-packet one-way delay: 70.000 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 107.01 Mbit/s
95th percentile per-packet one-way delay: 70.000 ms
Loss rate: 0.08%
```

Run 6: Report of TCP Cubic — Data Link

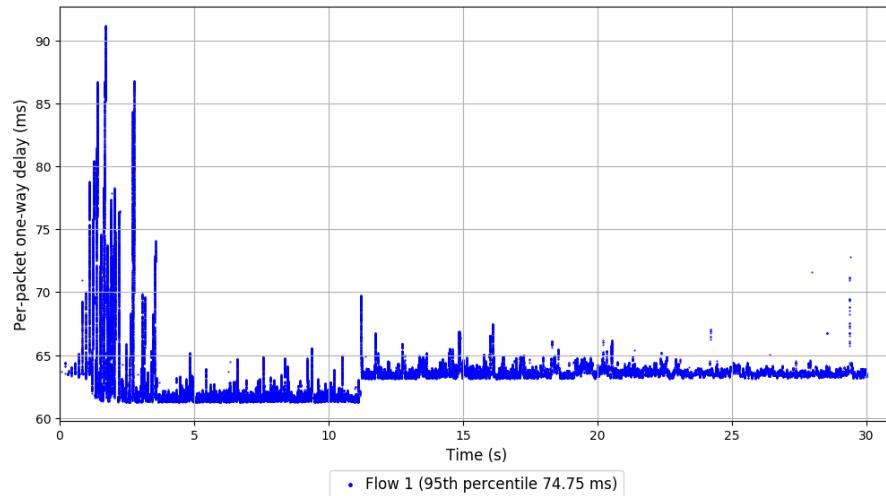
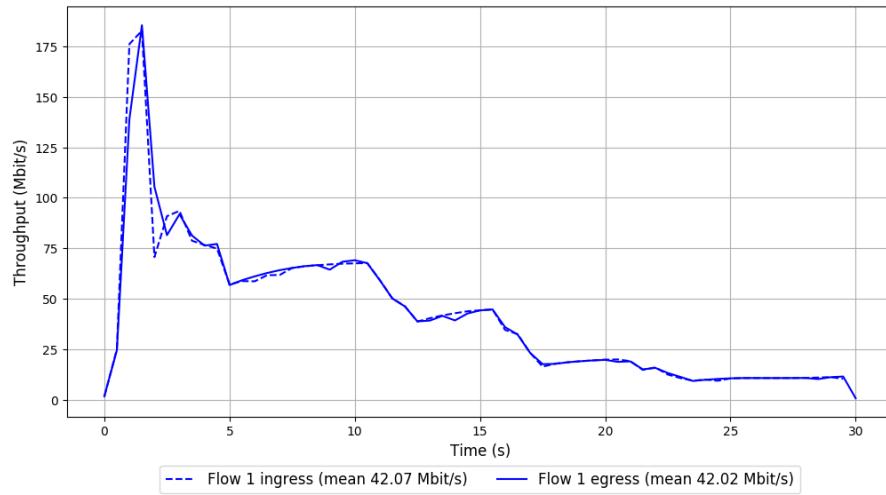


```
Run 7: Statistics of TCP Cubic

Start at: 2018-01-31 04:19:23
End at: 2018-01-31 04:19:53

# Below is generated by plot.py at 2018-01-31 06:20:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 74.746 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 74.746 ms
Loss rate: 0.12%
```

Run 7: Report of TCP Cubic — Data Link



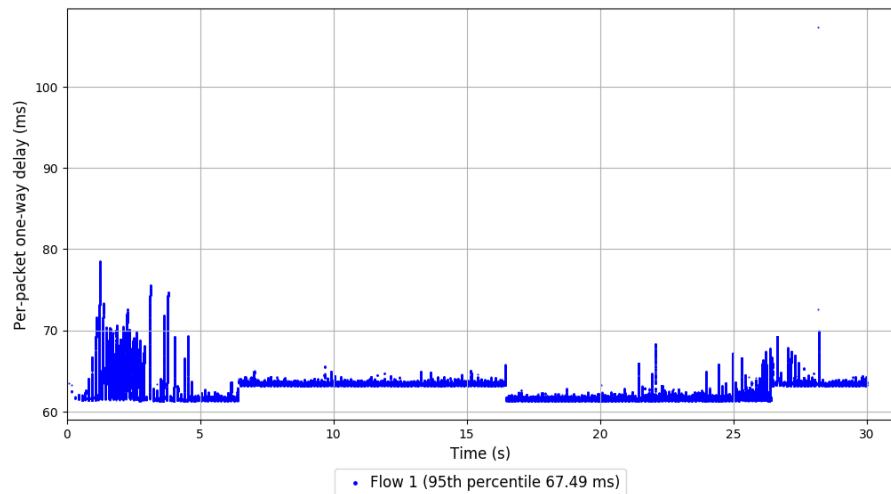
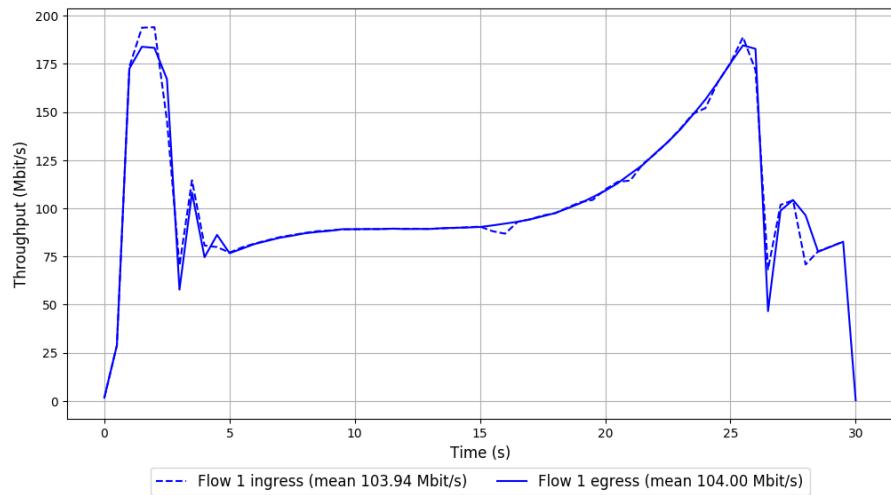
Run 8: Statistics of TCP Cubic

Start at: 2018-01-31 04:32:37

End at: 2018-01-31 04:33:07

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.00 Mbit/s
95th percentile per-packet one-way delay: 67.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.00 Mbit/s
95th percentile per-packet one-way delay: 67.491 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link



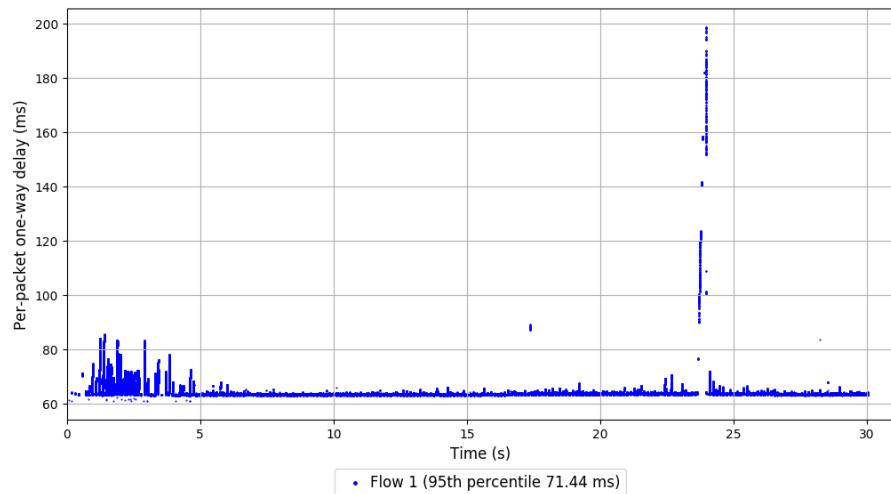
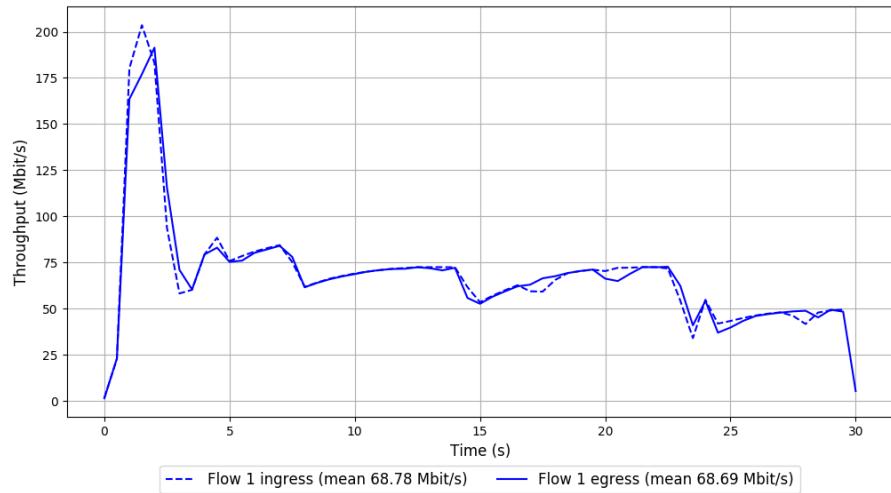
Run 9: Statistics of TCP Cubic

Start at: 2018-01-31 04:45:57

End at: 2018-01-31 04:46:27

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.69 Mbit/s
95th percentile per-packet one-way delay: 71.438 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 68.69 Mbit/s
95th percentile per-packet one-way delay: 71.438 ms
Loss rate: 0.14%
```

Run 9: Report of TCP Cubic — Data Link



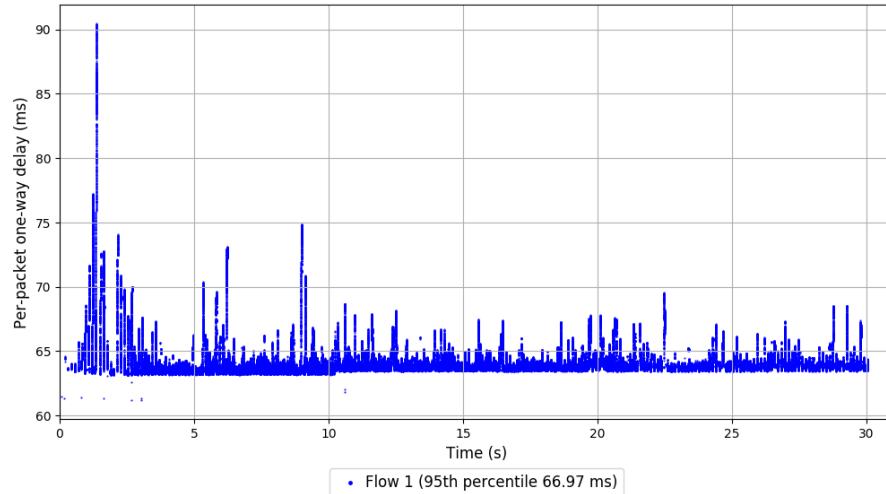
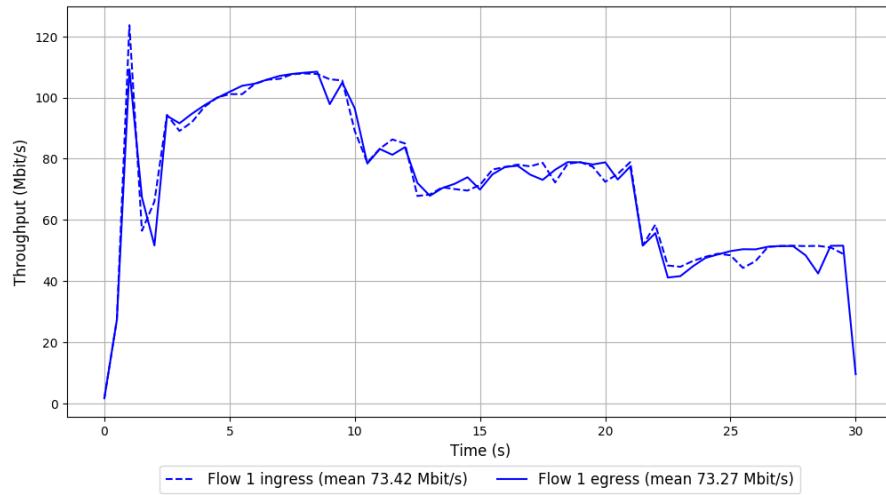
Run 10: Statistics of TCP Cubic

Start at: 2018-01-31 04:59:44

End at: 2018-01-31 05:00:14

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: 66.969 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: 66.969 ms
Loss rate: 0.20%
```

Run 10: Report of TCP Cubic — Data Link

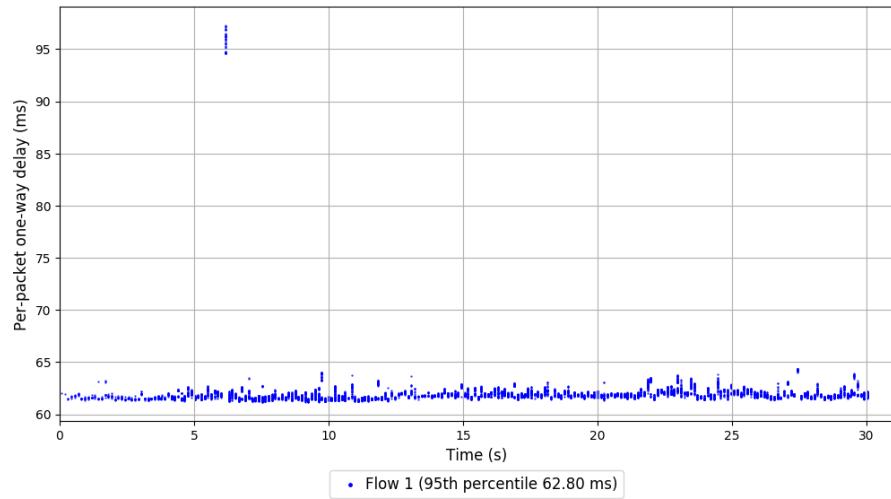
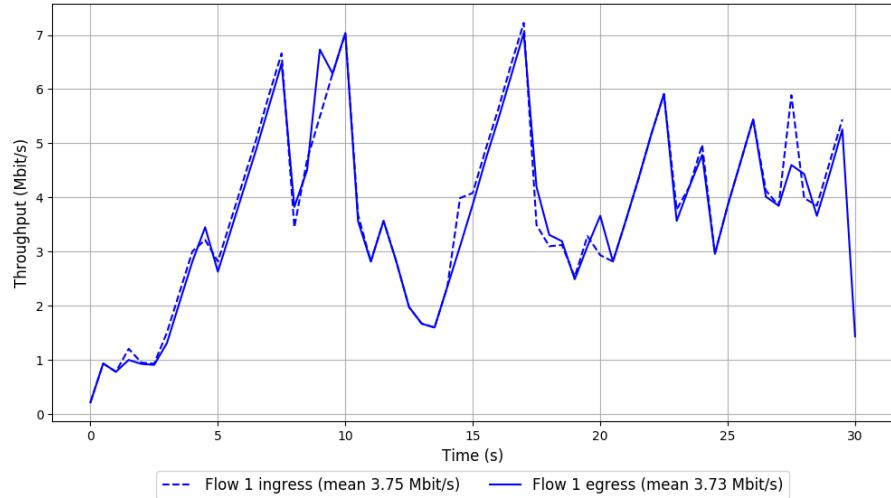


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-31 03:08:01
End at: 2018-01-31 03:08:32

# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 62.796 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 62.796 ms
Loss rate: 0.59%
```

Run 1: Report of LEDBAT — Data Link



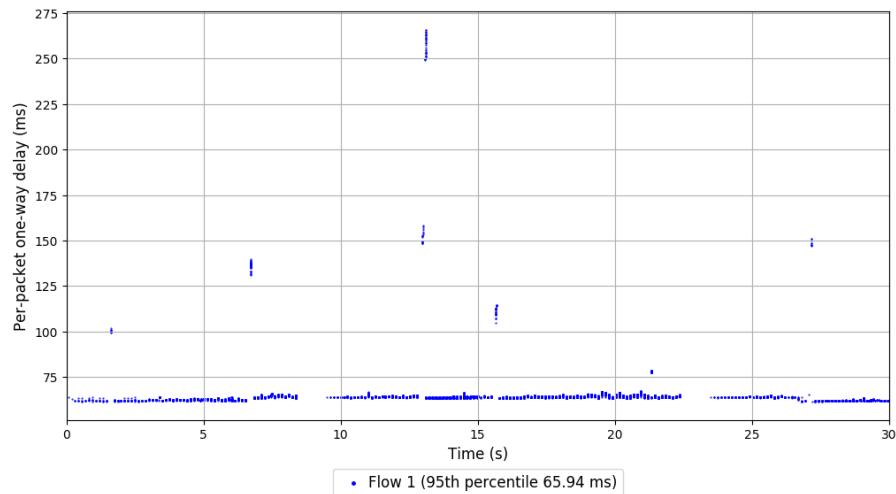
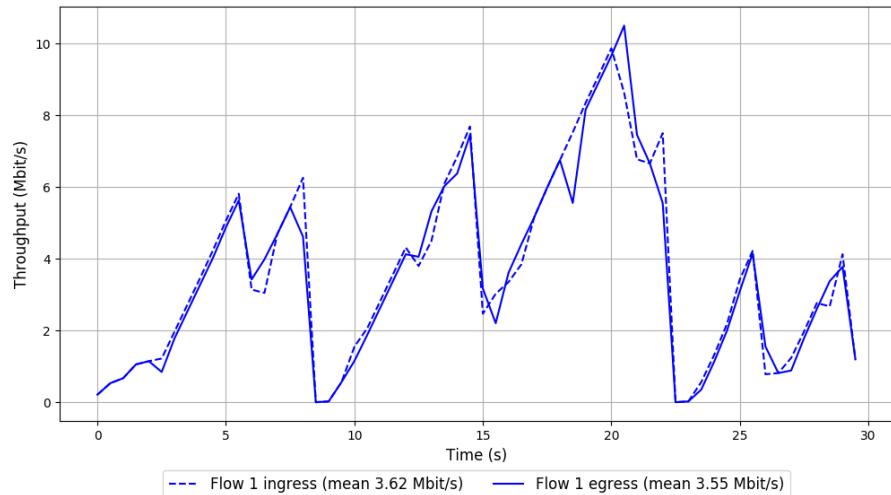
```
Run 2: Statistics of LEDBAT
```

```
Start at: 2018-01-31 03:21:17
```

```
End at: 2018-01-31 03:21:47
```

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 65.941 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 65.941 ms
Loss rate: 2.12%
```

Run 2: Report of LEDBAT — Data Link



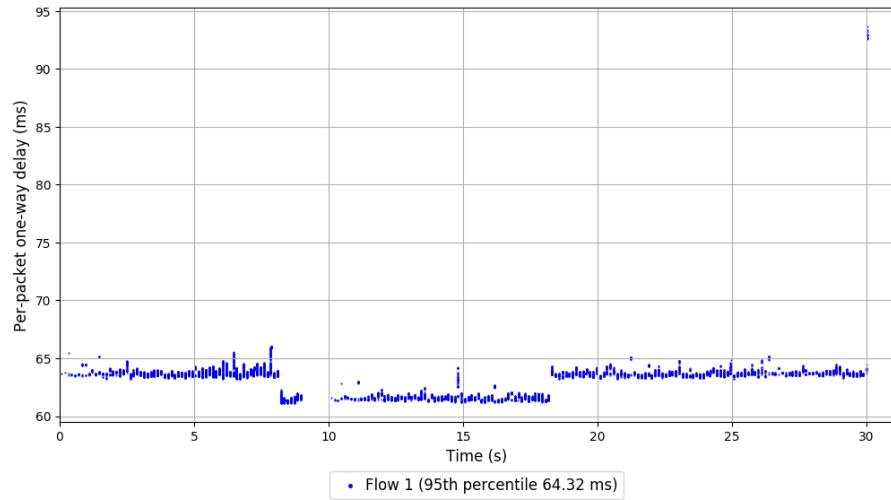
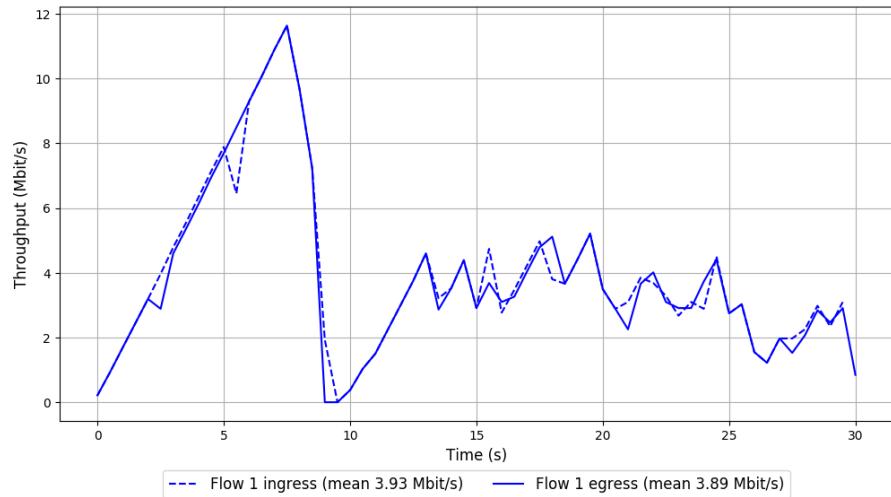
Run 3: Statistics of LEDBAT

Start at: 2018-01-31 03:34:56

End at: 2018-01-31 03:35:26

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 64.316 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 64.316 ms
Loss rate: 1.01%
```

Run 3: Report of LEDBAT — Data Link



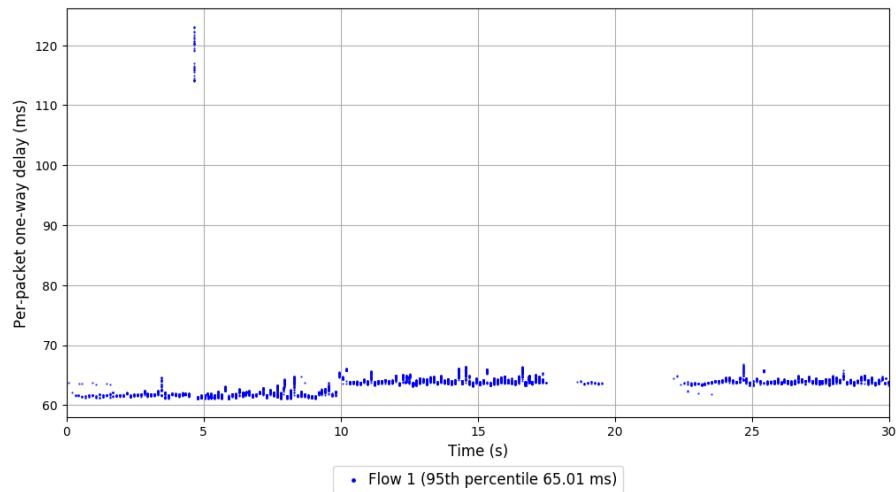
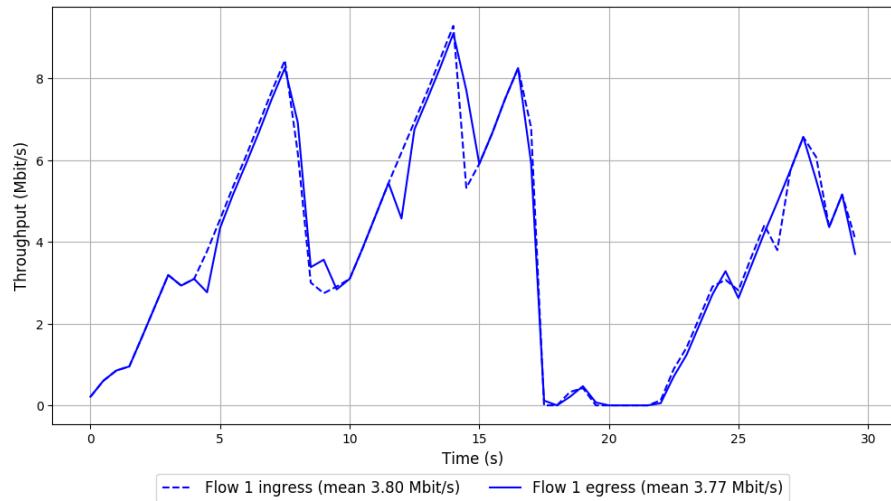
Run 4: Statistics of LEDBAT

Start at: 2018-01-31 03:48:24

End at: 2018-01-31 03:48:54

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 65.009 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 65.009 ms
Loss rate: 0.88%
```

Run 4: Report of LEDBAT — Data Link



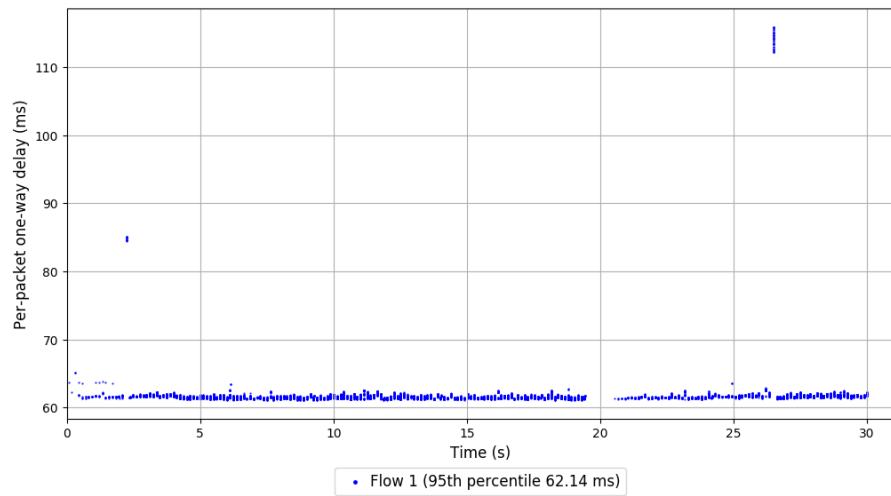
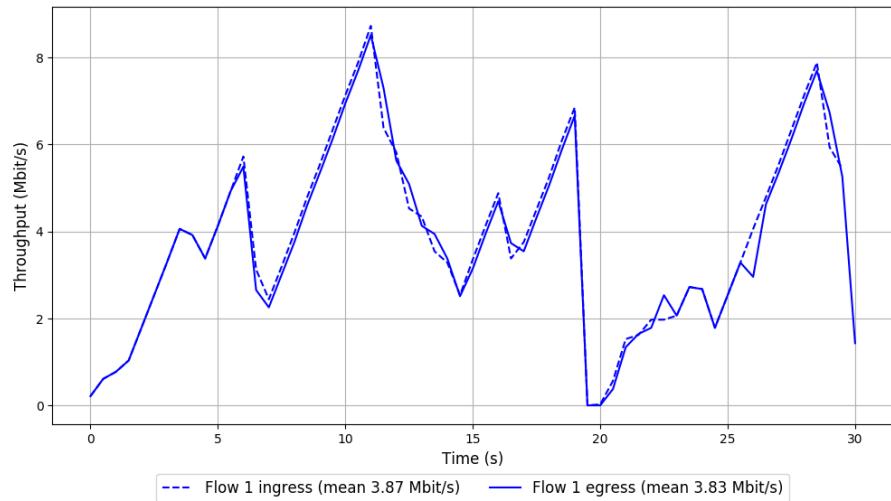
Run 5: Statistics of LEDBAT

Start at: 2018-01-31 04:01:40

End at: 2018-01-31 04:02:10

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 62.144 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 62.144 ms
Loss rate: 0.92%
```

Run 5: Report of LEDBAT — Data Link



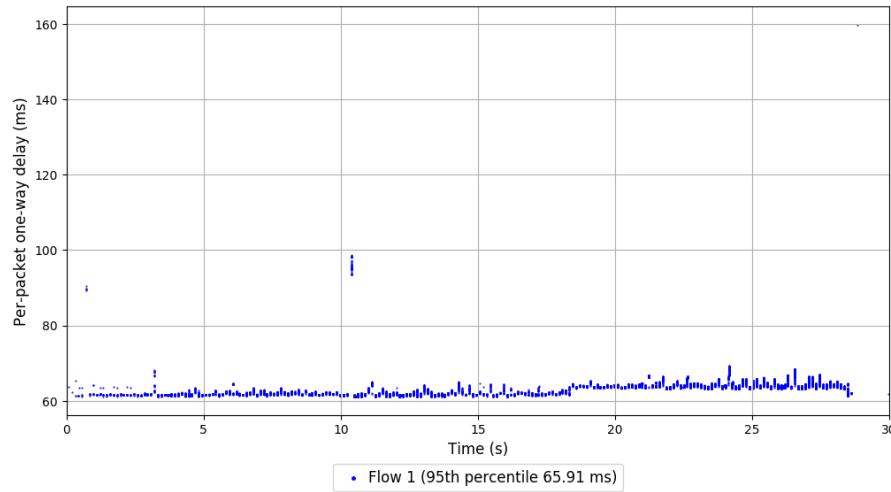
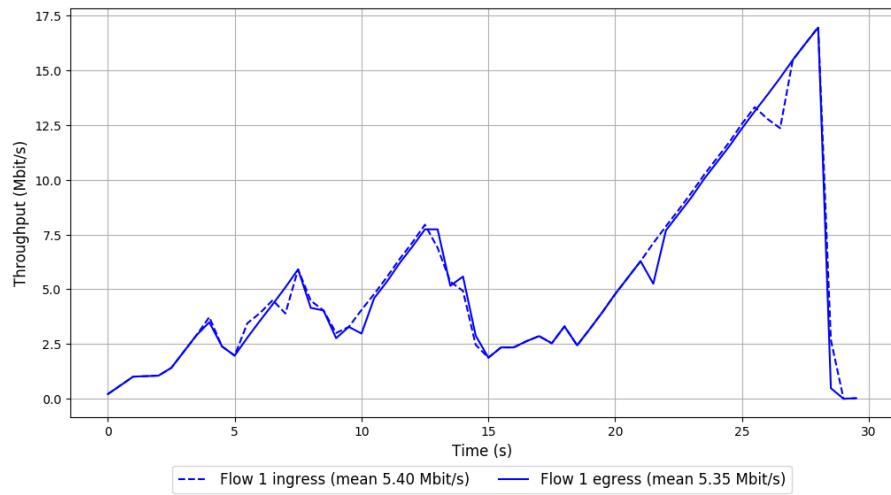
Run 6: Statistics of LEDBAT

Start at: 2018-01-31 04:14:55

End at: 2018-01-31 04:15:25

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 65.909 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 65.909 ms
Loss rate: 1.04%
```

Run 6: Report of LEDBAT — Data Link



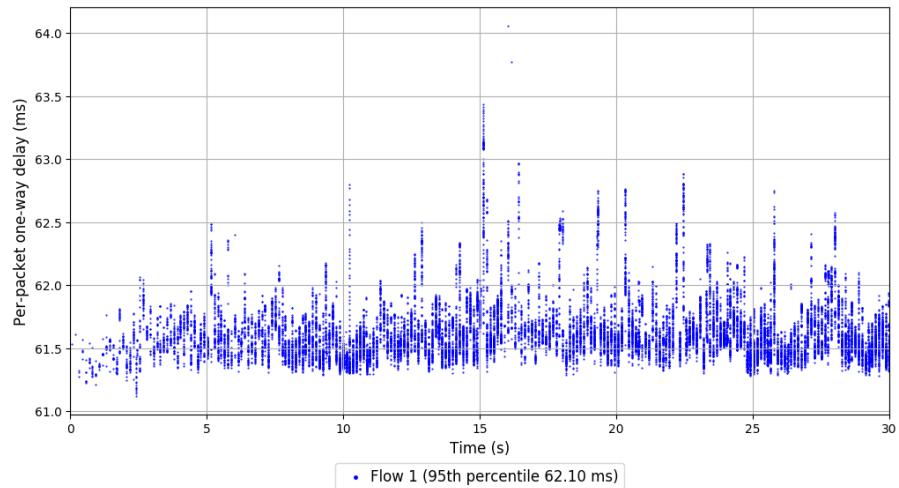
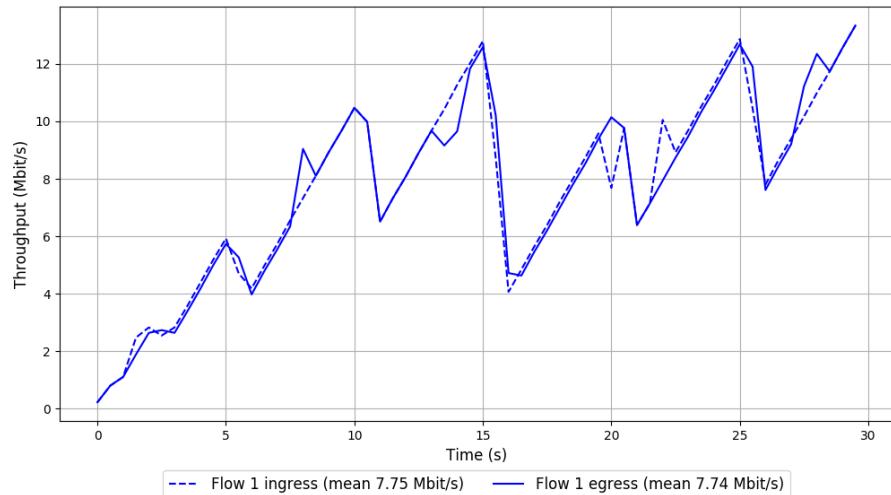
Run 7: Statistics of LEDBAT

Start at: 2018-01-31 04:28:01

End at: 2018-01-31 04:28:31

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 62.098 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 62.098 ms
Loss rate: 0.03%
```

Run 7: Report of LEDBAT — Data Link



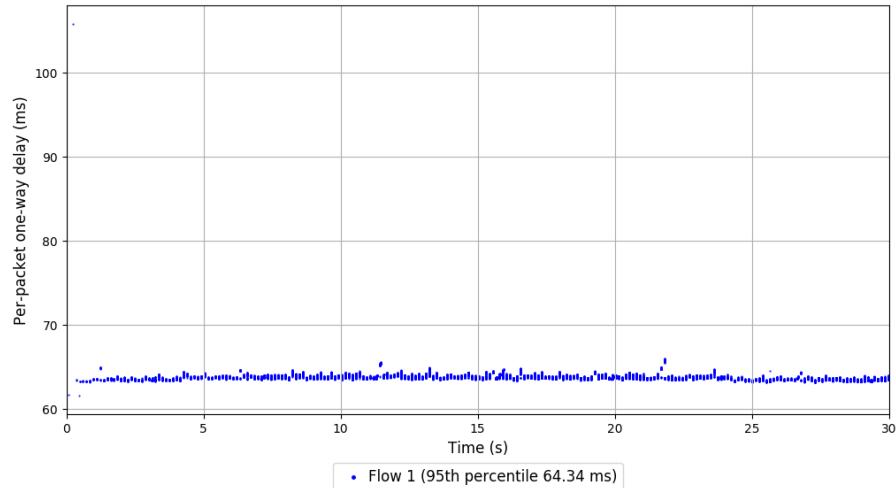
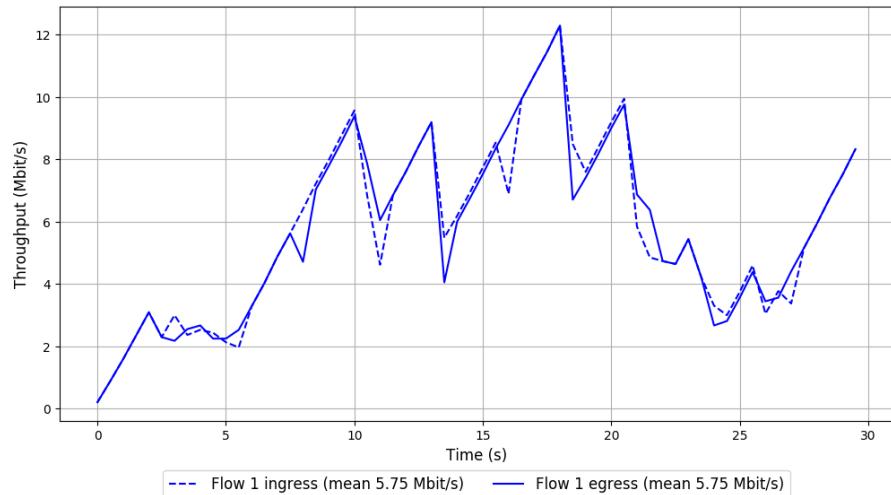
Run 8: Statistics of LEDBAT

Start at: 2018-01-31 04:41:30

End at: 2018-01-31 04:42:00

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 64.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 64.339 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link



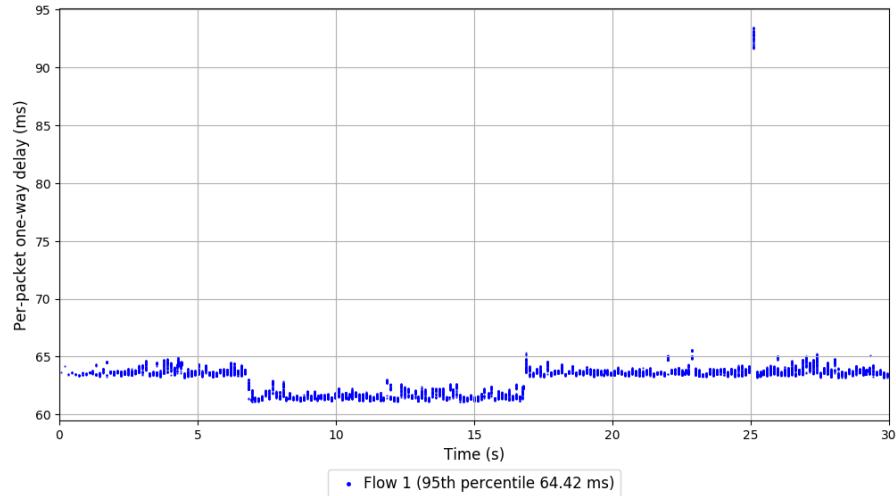
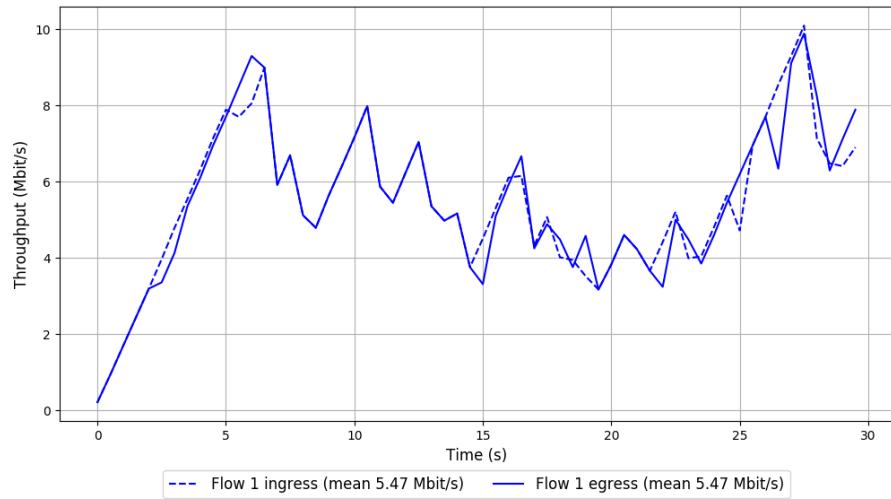
Run 9: Statistics of LEDBAT

Start at: 2018-01-31 04:55:07

End at: 2018-01-31 04:55:37

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 64.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 64.421 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link



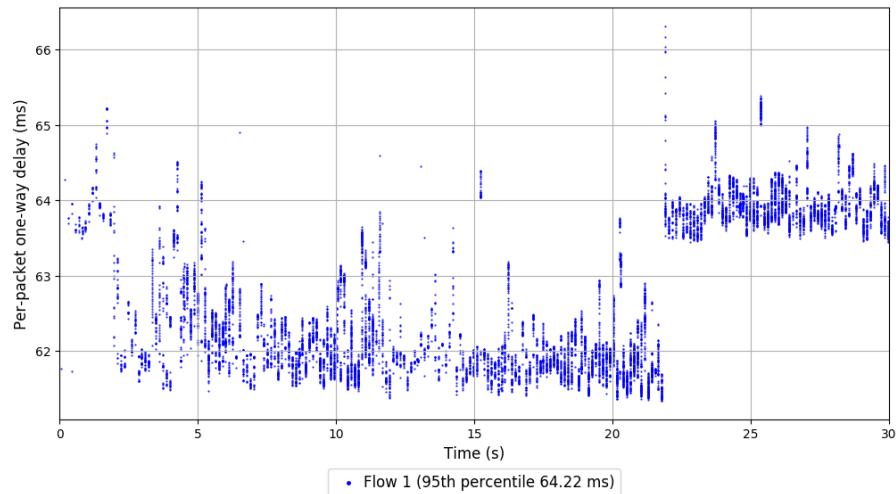
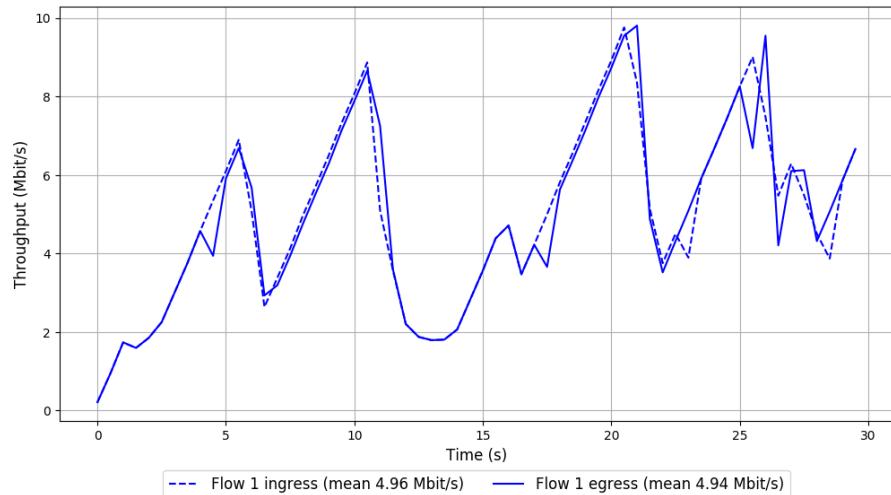
Run 10: Statistics of LEDBAT

Start at: 2018-01-31 05:08:32

End at: 2018-01-31 05:09:02

```
# Below is generated by plot.py at 2018-01-31 06:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.94 Mbit/s
95th percentile per-packet one-way delay: 64.224 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 4.94 Mbit/s
95th percentile per-packet one-way delay: 64.224 ms
Loss rate: 0.31%
```

Run 10: Report of LEDBAT — Data Link

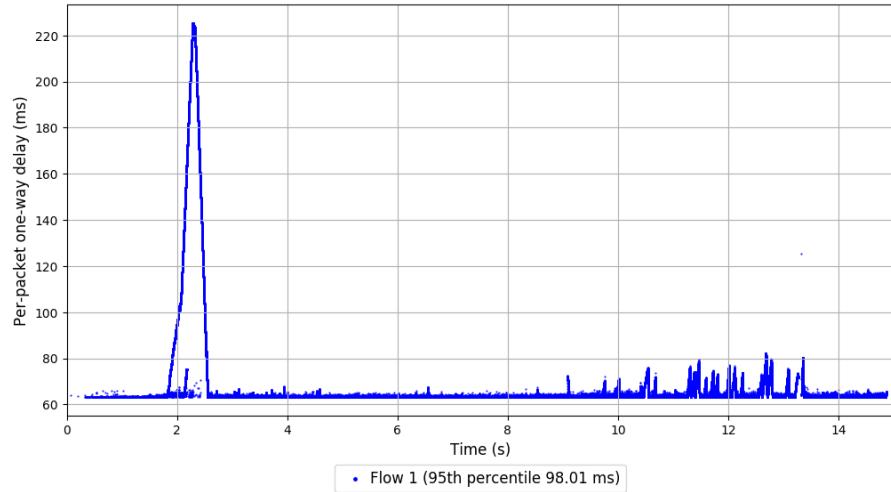
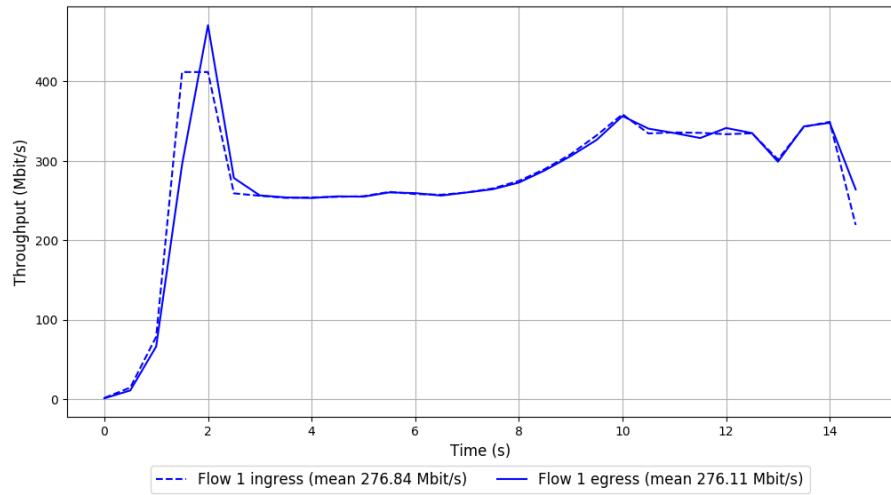


Run 1: Statistics of PCC

Start at: 2018-01-31 03:09:36

End at: 2018-01-31 03:10:06

Run 1: Report of PCC — Data Link

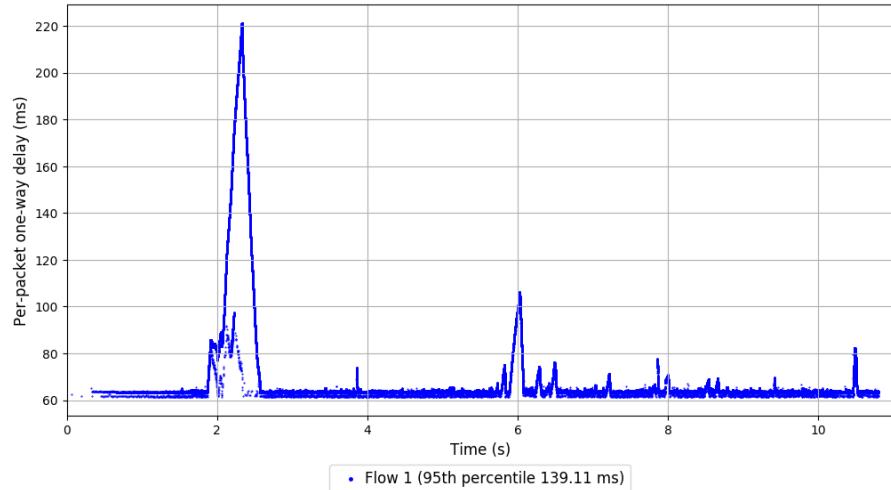
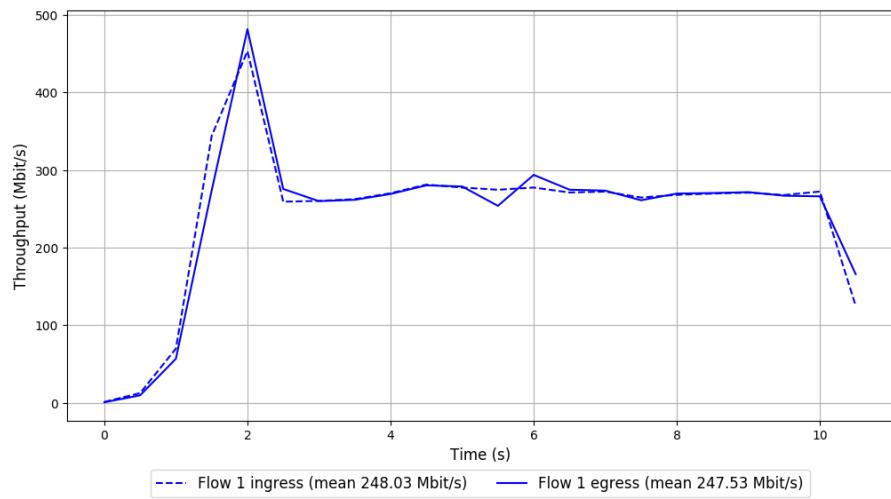


Run 2: Statistics of PCC

Start at: 2018-01-31 03:22:48

End at: 2018-01-31 03:23:18

Run 2: Report of PCC — Data Link

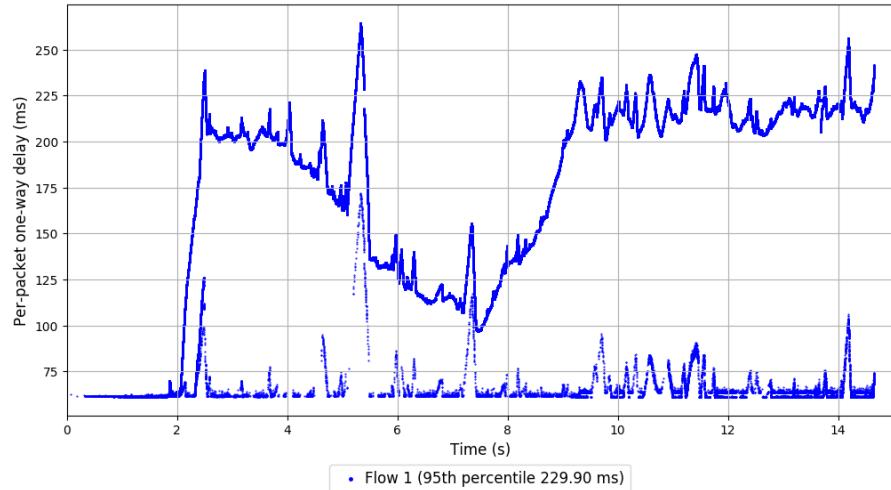
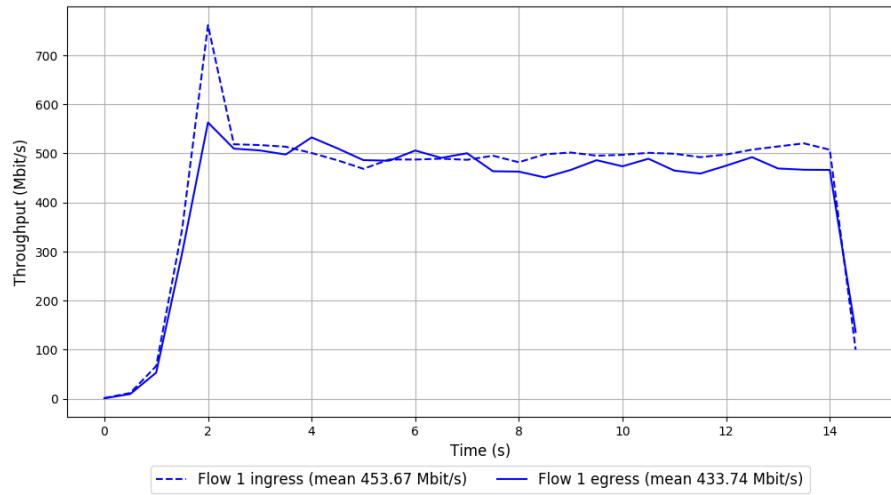


Run 3: Statistics of PCC

Start at: 2018-01-31 03:36:29

End at: 2018-01-31 03:36:59

Run 3: Report of PCC — Data Link

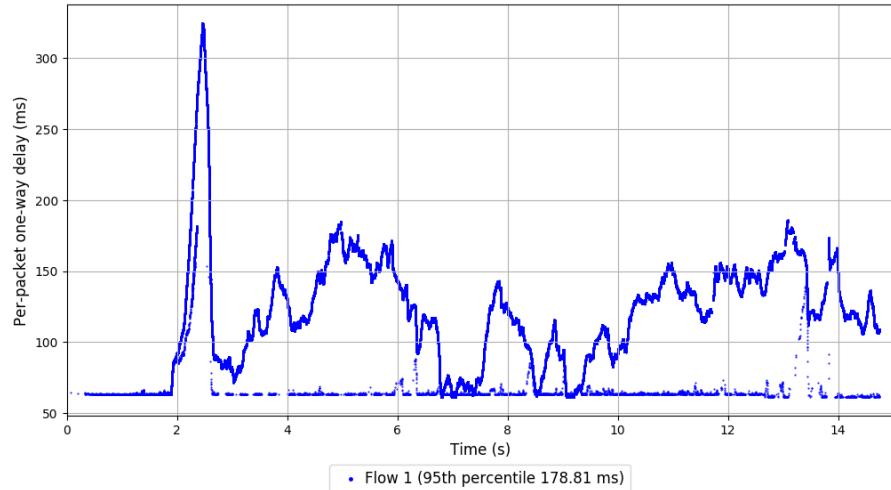
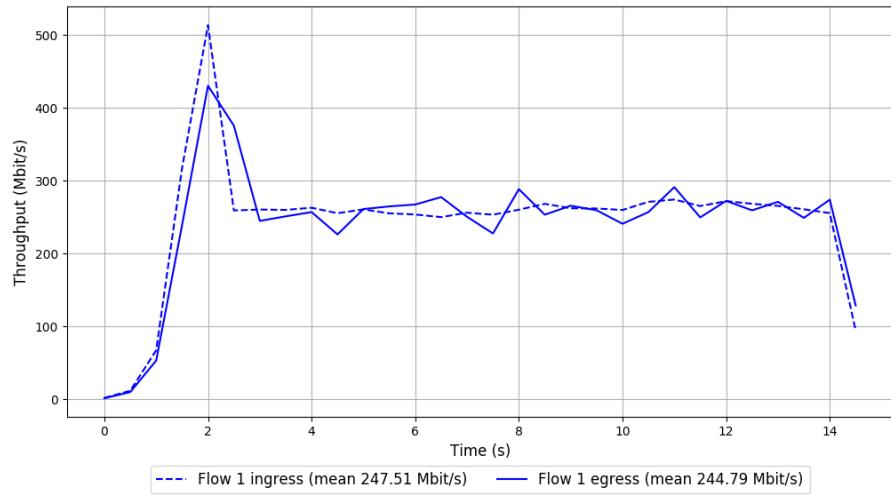


Run 4: Statistics of PCC

Start at: 2018-01-31 03:49:56

End at: 2018-01-31 03:50:26

Run 4: Report of PCC — Data Link

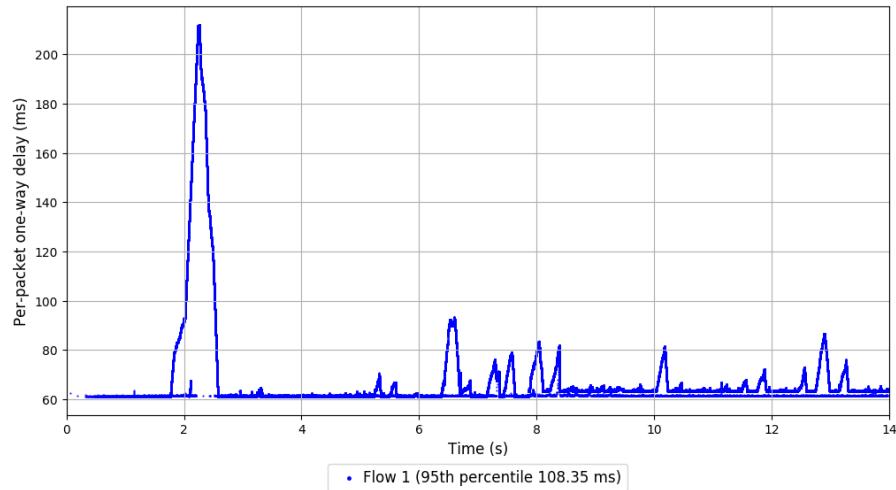
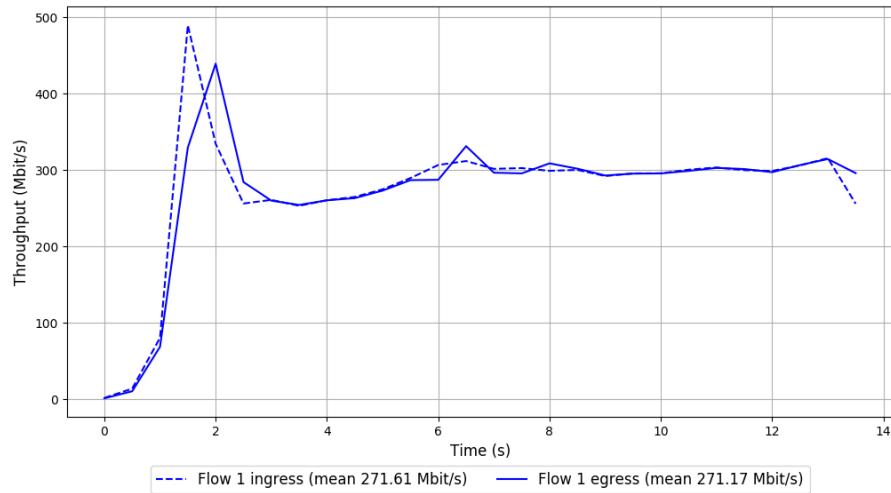


Run 5: Statistics of PCC

Start at: 2018-01-31 04:03:10

End at: 2018-01-31 04:03:40

Run 5: Report of PCC — Data Link



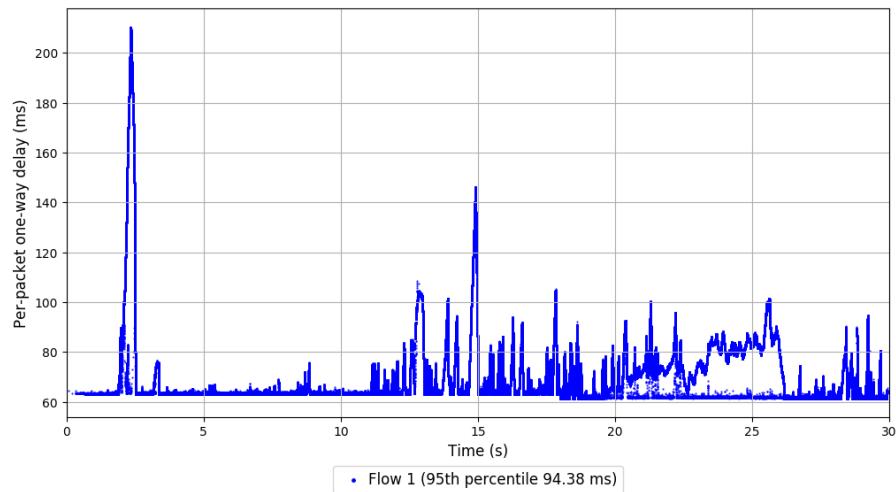
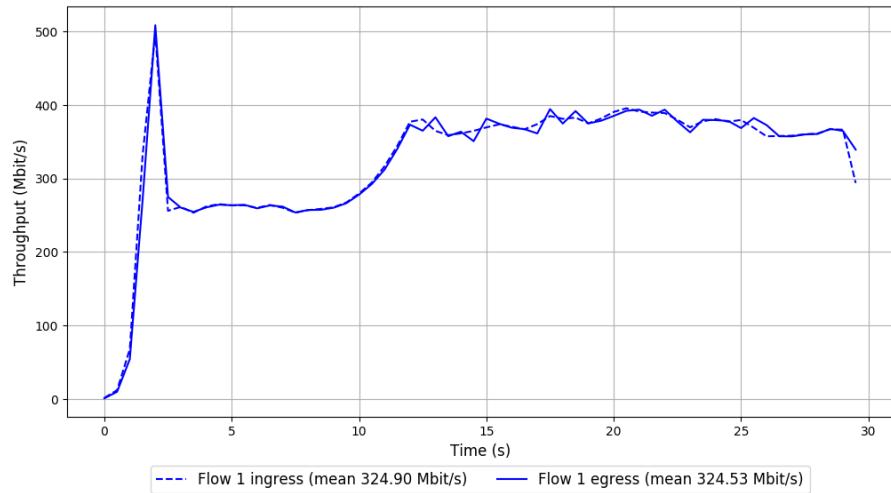
Run 6: Statistics of PCC

Start at: 2018-01-31 04:16:26

End at: 2018-01-31 04:16:56

```
# Below is generated by plot.py at 2018-01-31 06:27:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 324.53 Mbit/s
95th percentile per-packet one-way delay: 94.378 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 324.53 Mbit/s
95th percentile per-packet one-way delay: 94.378 ms
Loss rate: 0.12%
```

Run 6: Report of PCC — Data Link



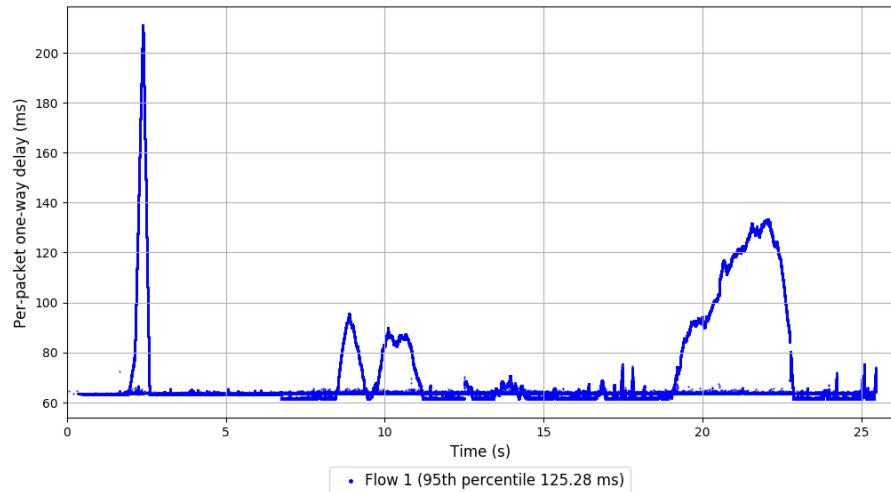
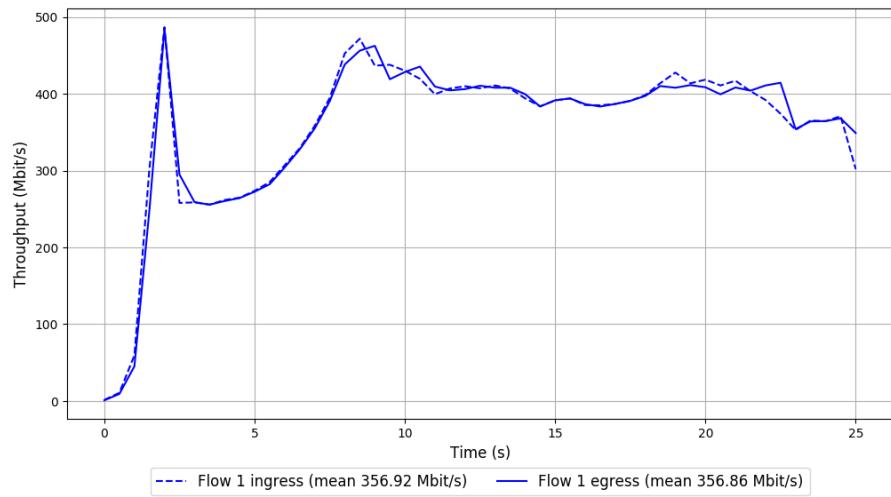
Run 7: Statistics of PCC

Start at: 2018-01-31 04:29:43

End at: 2018-01-31 04:30:13

```
# Below is generated by plot.py at 2018-01-31 06:27:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.86 Mbit/s
95th percentile per-packet one-way delay: 125.285 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 356.86 Mbit/s
95th percentile per-packet one-way delay: 125.285 ms
Loss rate: 0.03%
```

Run 7: Report of PCC — Data Link

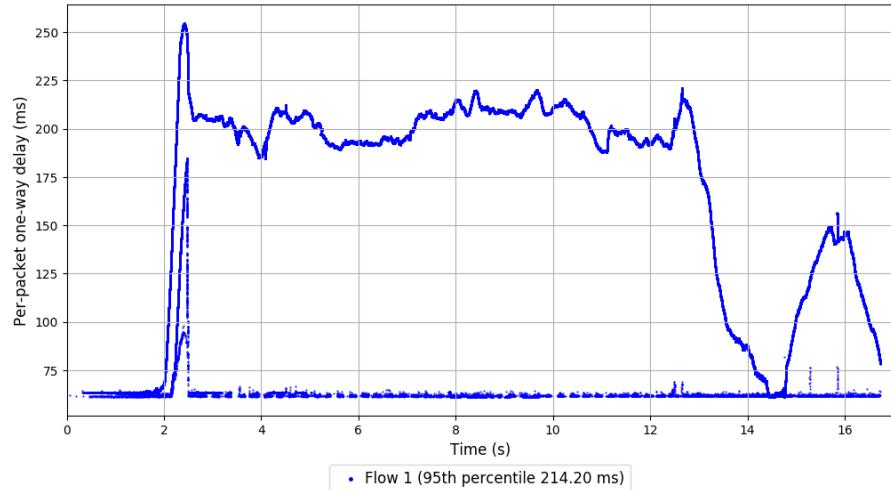
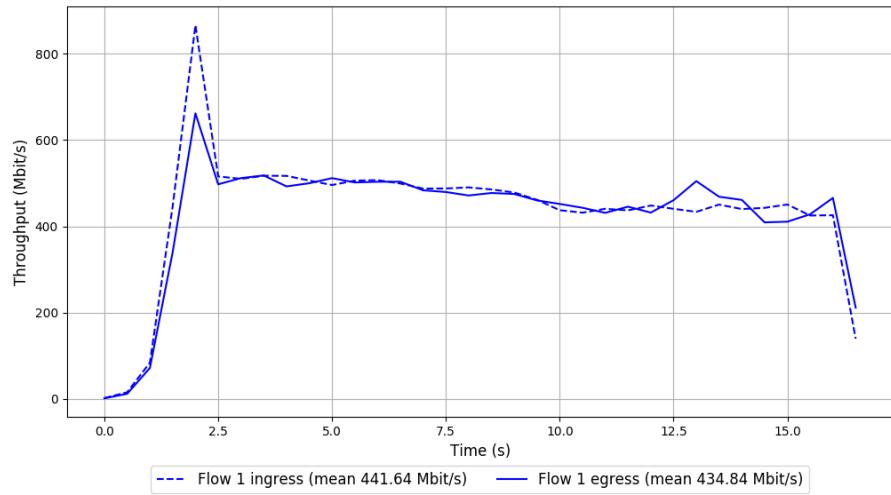


Run 8: Statistics of PCC

Start at: 2018-01-31 04:43:03

End at: 2018-01-31 04:43:33

Run 8: Report of PCC — Data Link

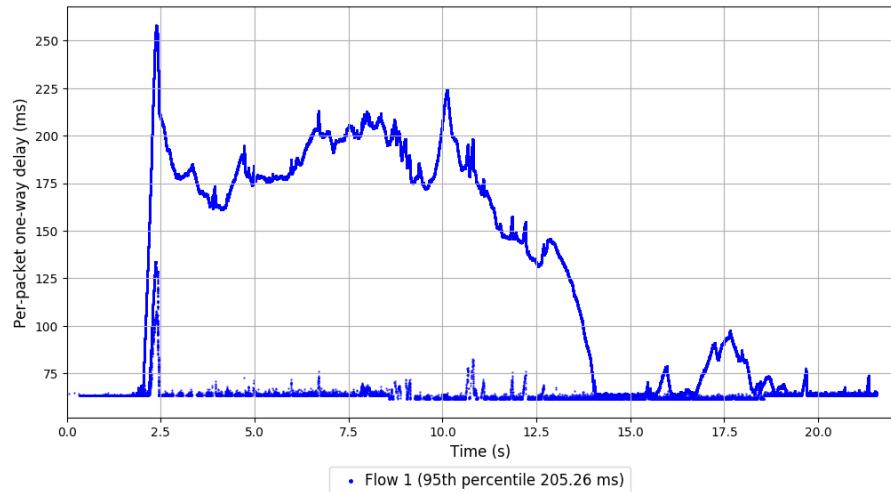
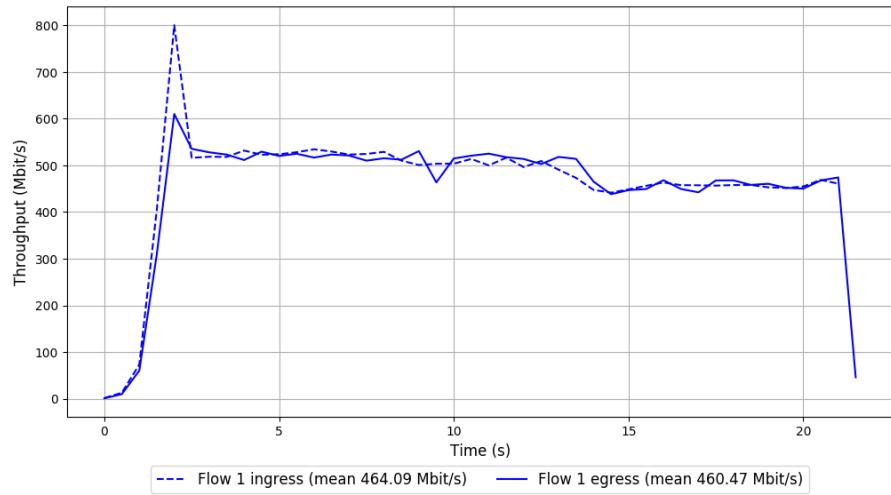


Run 9: Statistics of PCC

Start at: 2018-01-31 04:56:47

End at: 2018-01-31 04:57:17

Run 9: Report of PCC — Data Link



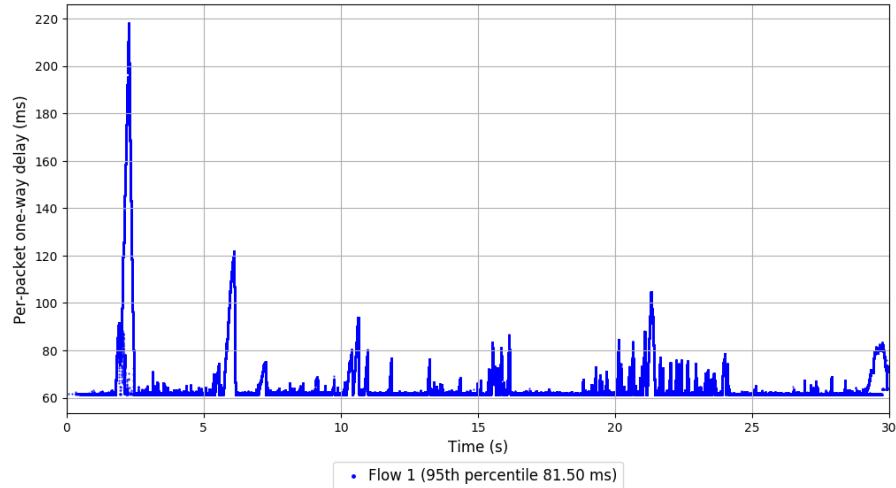
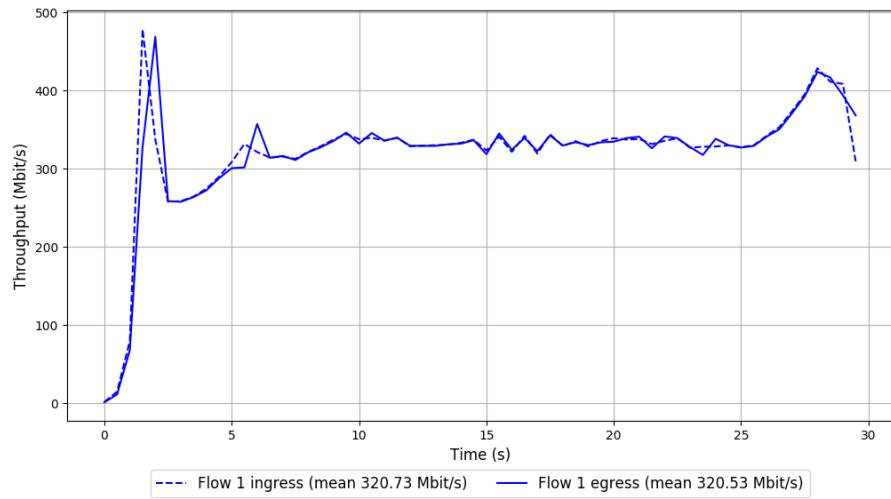
Run 10: Statistics of PCC

Start at: 2018-01-31 05:10:04

End at: 2018-01-31 05:10:34

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.53 Mbit/s
95th percentile per-packet one-way delay: 81.503 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 320.53 Mbit/s
95th percentile per-packet one-way delay: 81.503 ms
Loss rate: 0.05%
```

Run 10: Report of PCC — Data Link

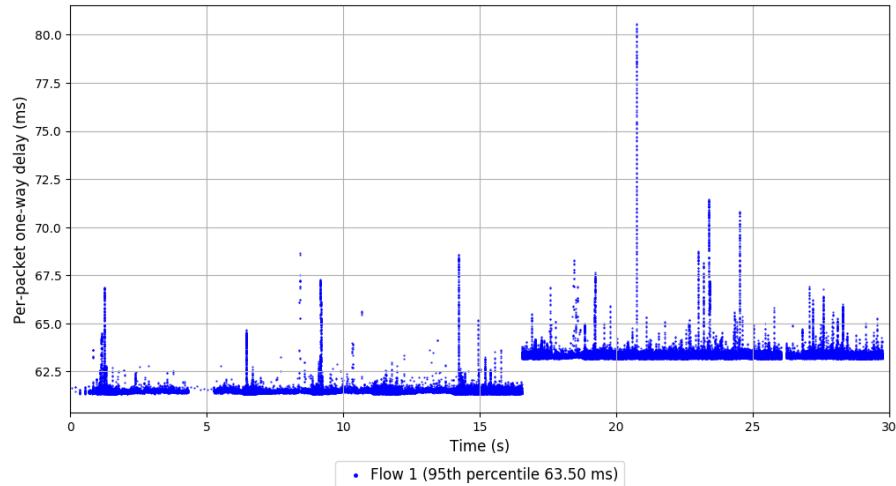
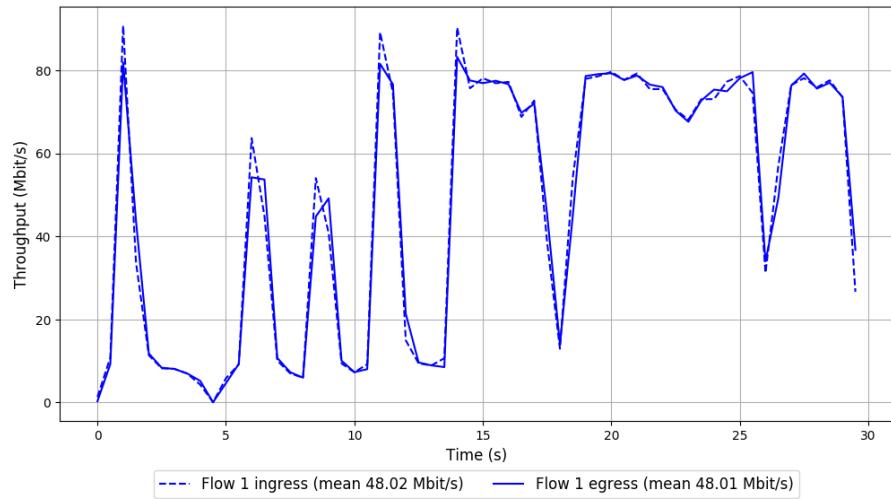


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-31 03:01:17
End at: 2018-01-31 03:01:47

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 63.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 63.504 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



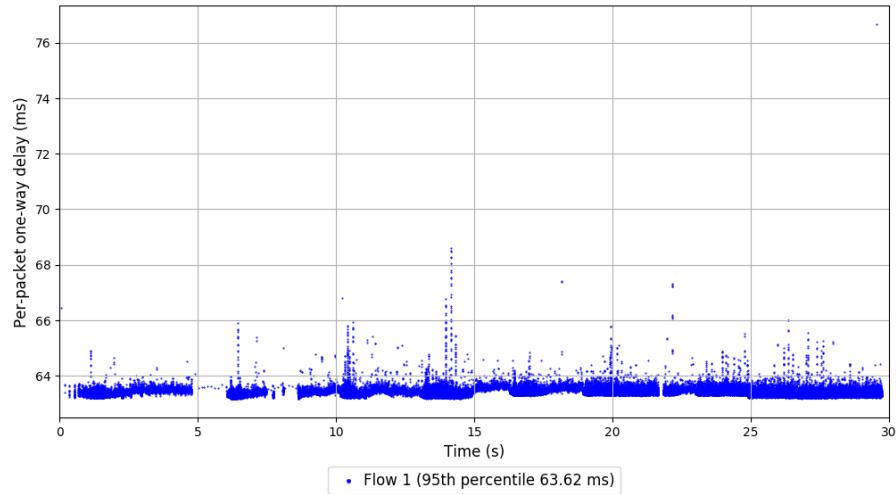
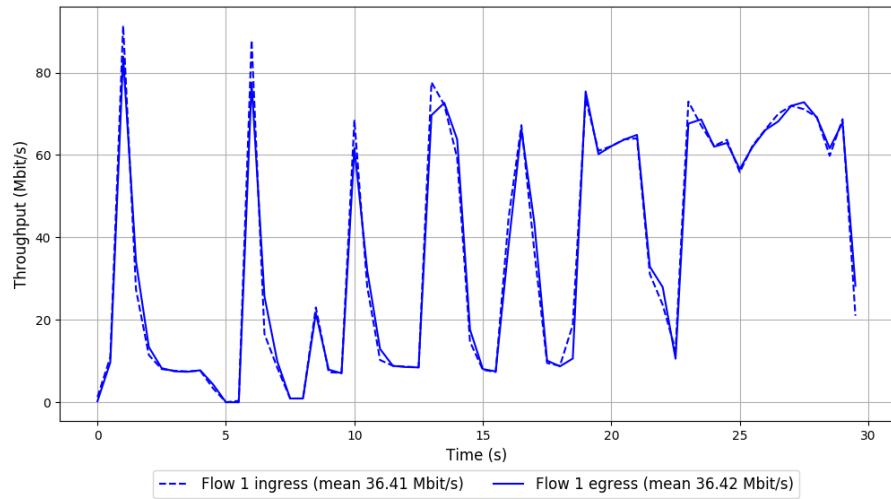
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-31 03:14:49

End at: 2018-01-31 03:15:19

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 63.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 63.623 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



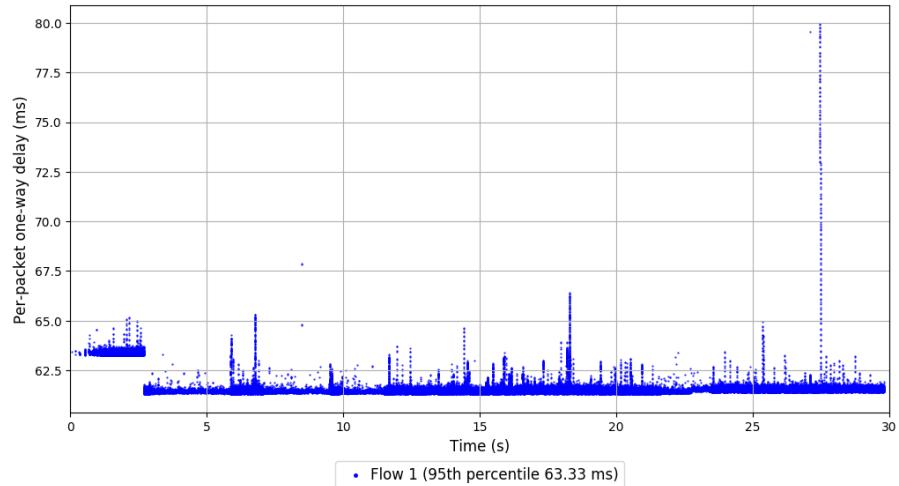
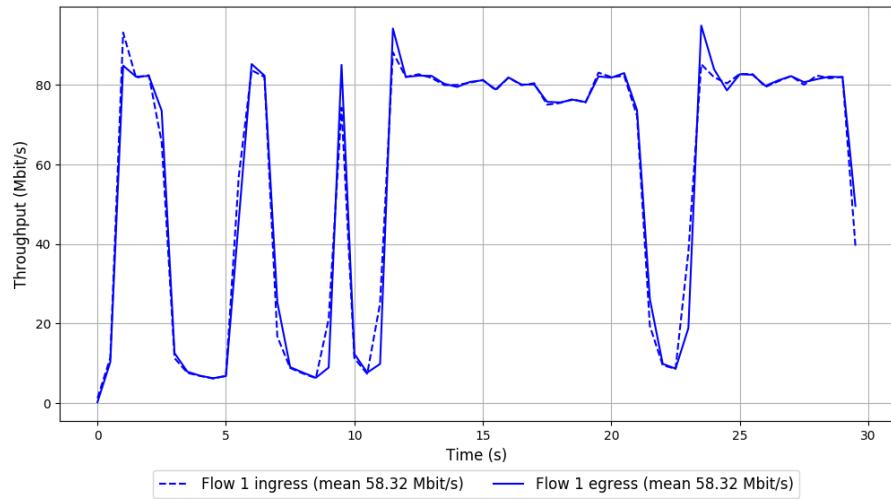
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-31 03:28:11

End at: 2018-01-31 03:28:41

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.32 Mbit/s
95th percentile per-packet one-way delay: 63.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.32 Mbit/s
95th percentile per-packet one-way delay: 63.332 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link



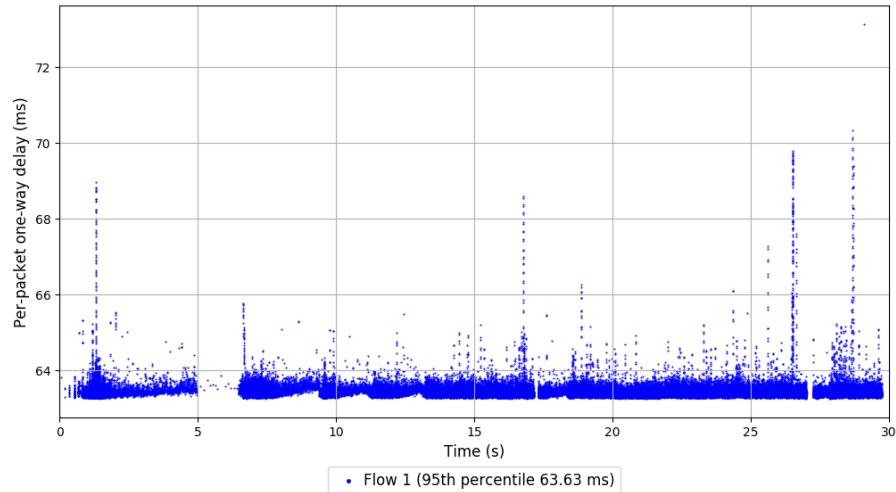
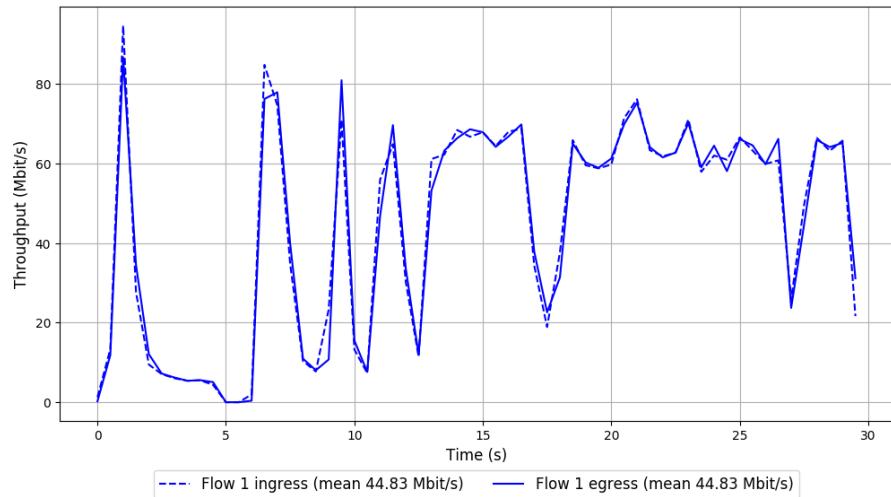
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-31 03:41:54

End at: 2018-01-31 03:42:24

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 63.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 63.634 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link



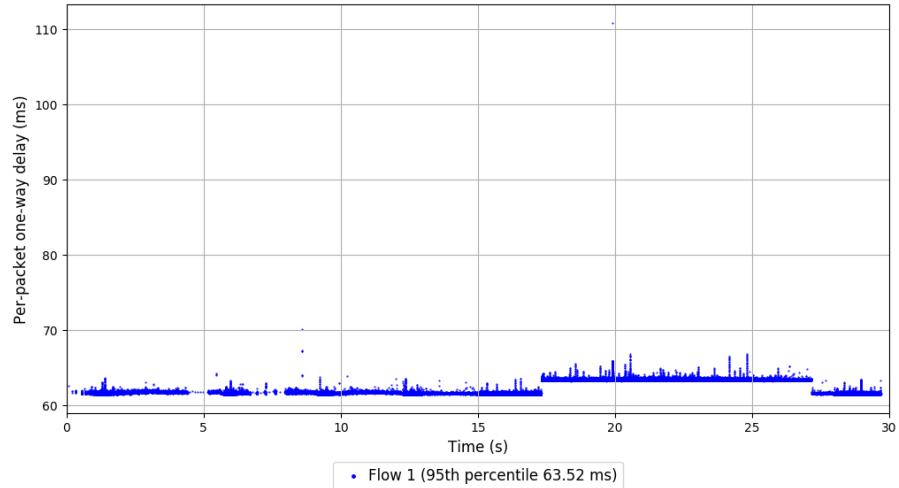
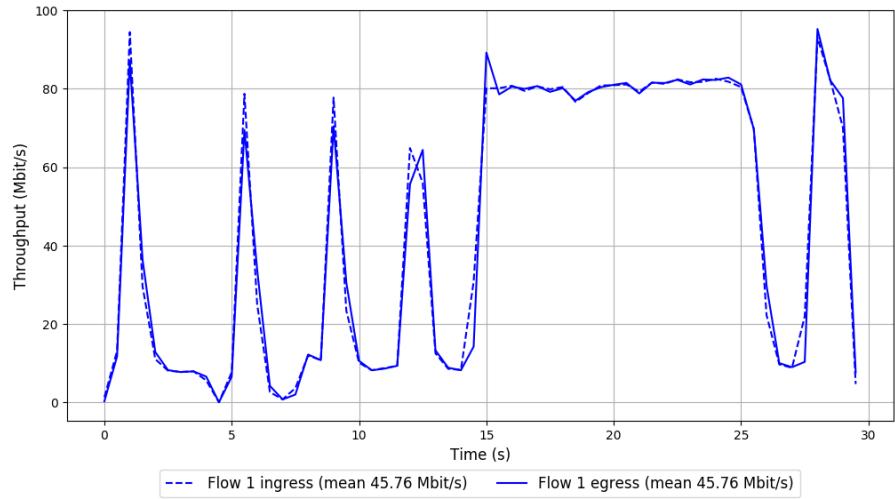
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-31 03:55:06

End at: 2018-01-31 03:55:36

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 63.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 63.519 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link



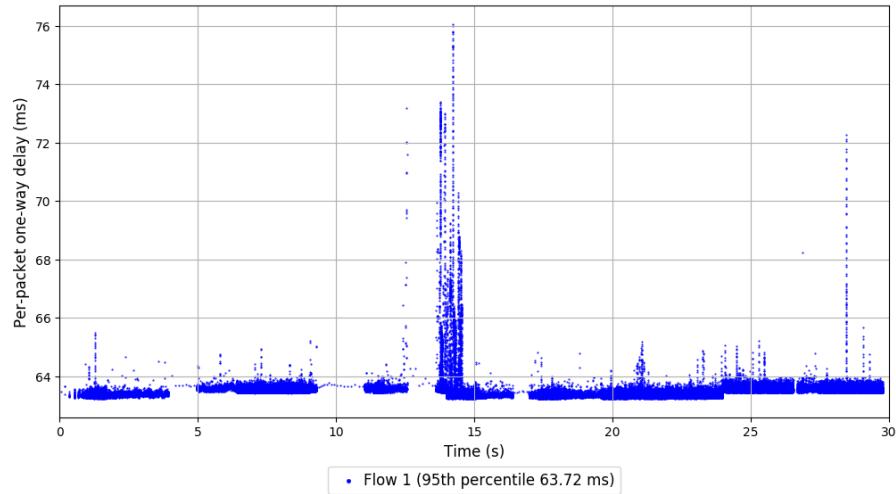
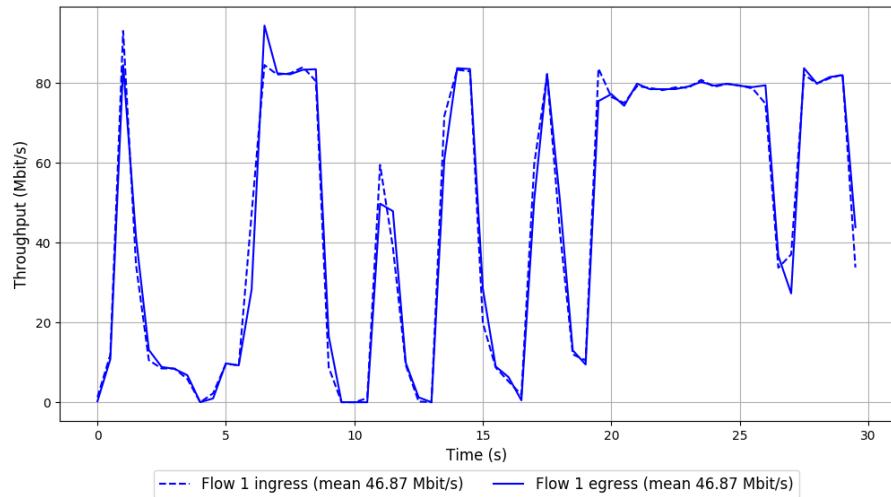
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-31 04:08:40

End at: 2018-01-31 04:09:10

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 63.722 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 63.722 ms
Loss rate: 0.01%
```

Run 6: Report of QUIC Cubic — Data Link

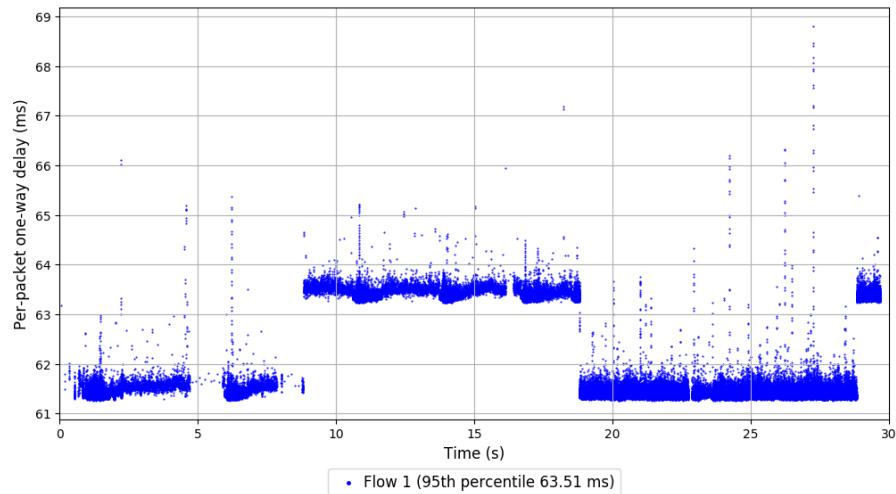
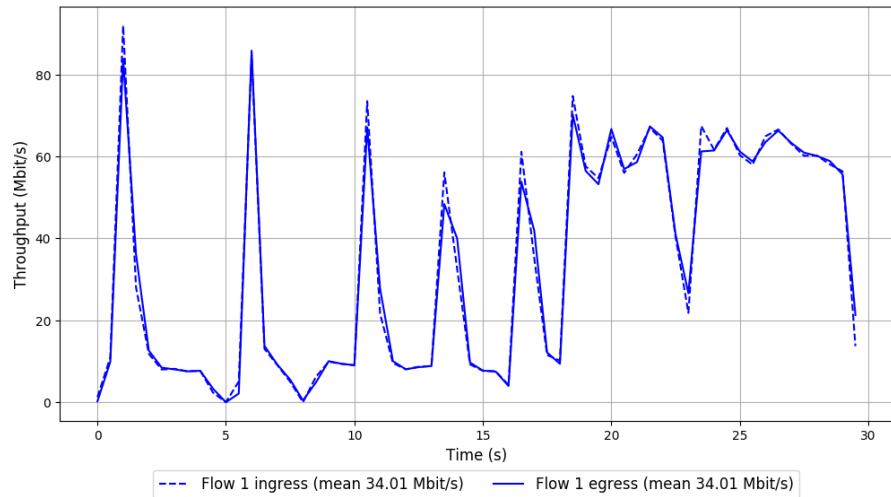


```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-31 04:21:45
End at: 2018-01-31 04:22:15

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 63.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 63.510 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link



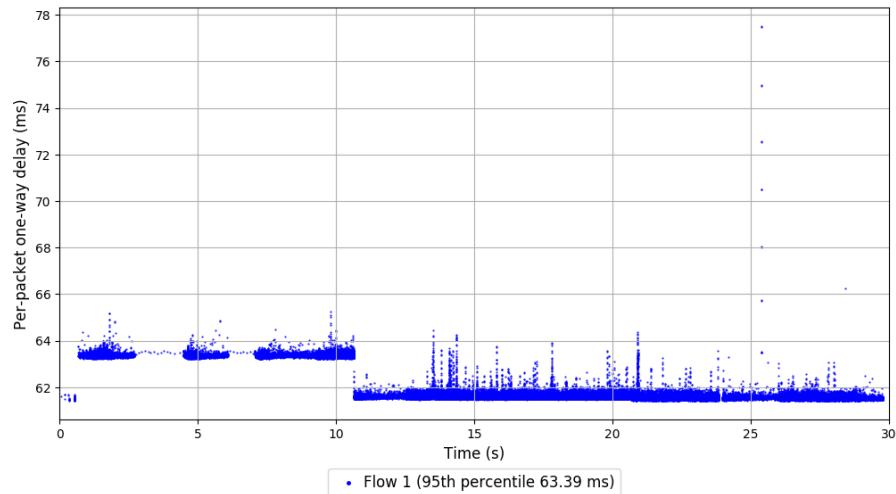
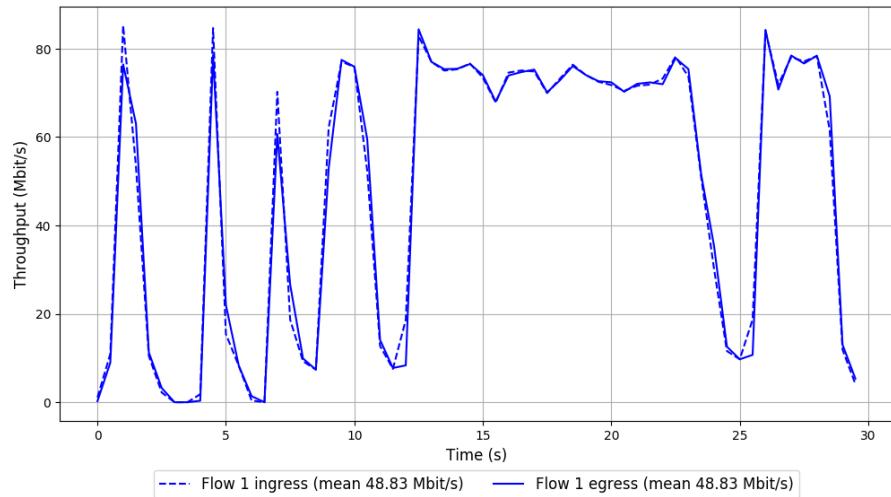
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-31 04:35:13

End at: 2018-01-31 04:35:43

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 63.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 63.389 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link



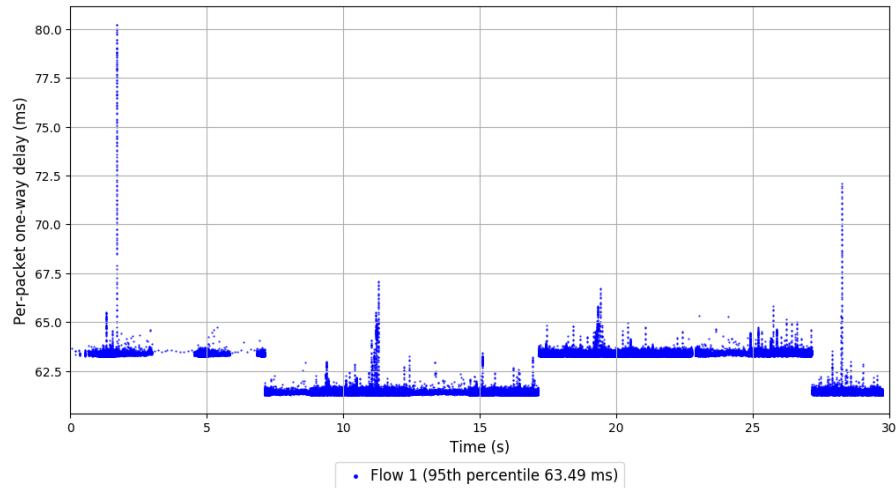
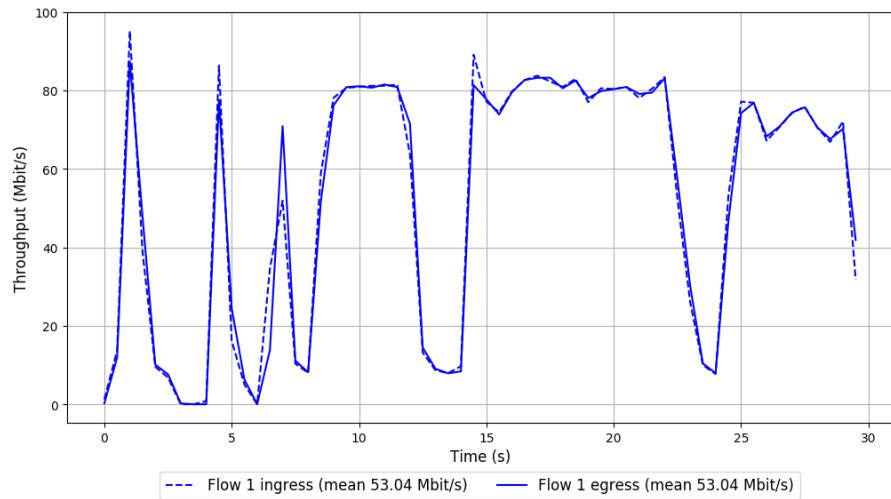
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-31 04:48:37

End at: 2018-01-31 04:49:07

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 63.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 63.488 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link



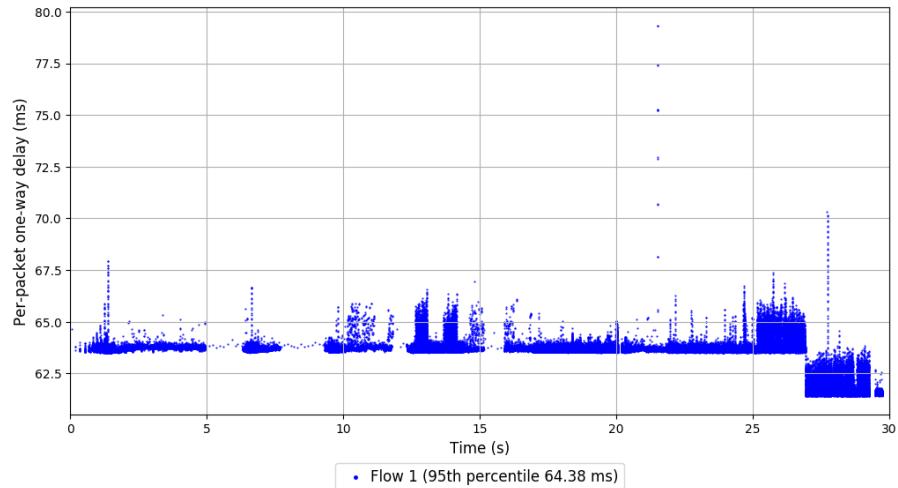
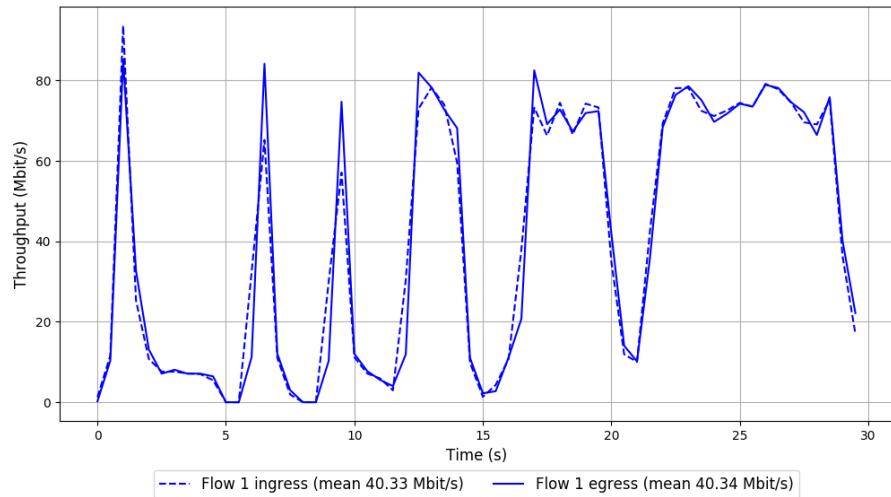
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-31 05:02:17

End at: 2018-01-31 05:02:47

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 64.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 64.377 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

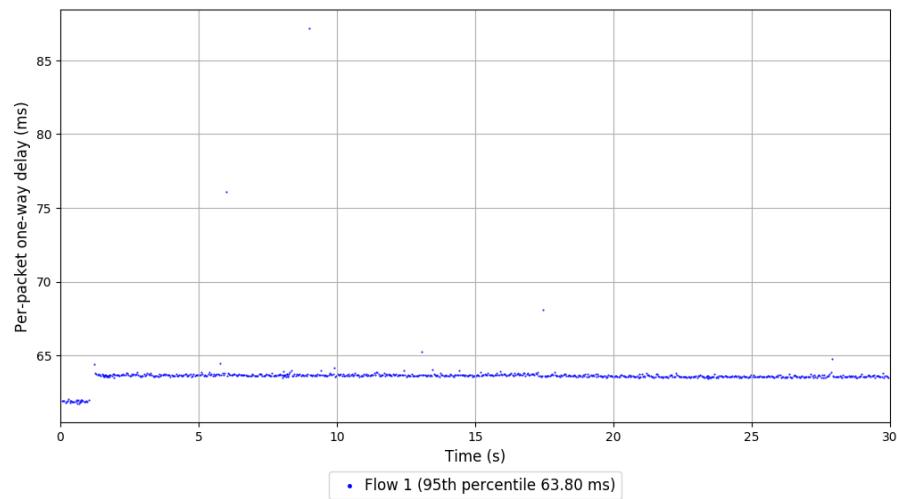
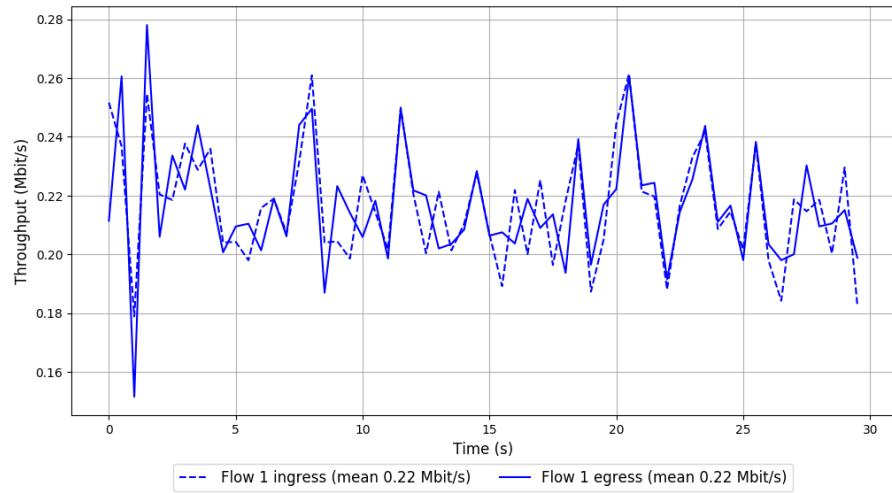


```
Run 1: Statistics of SCReAM

Start at: 2018-01-31 03:04:33
End at: 2018-01-31 03:05:03

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.796 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.796 ms
Loss rate: 0.13%
```

Run 1: Report of SCReAM — Data Link



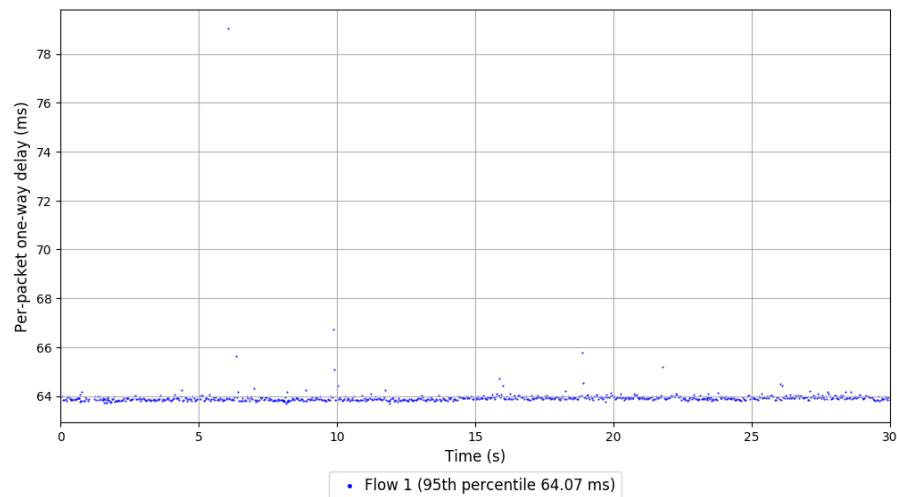
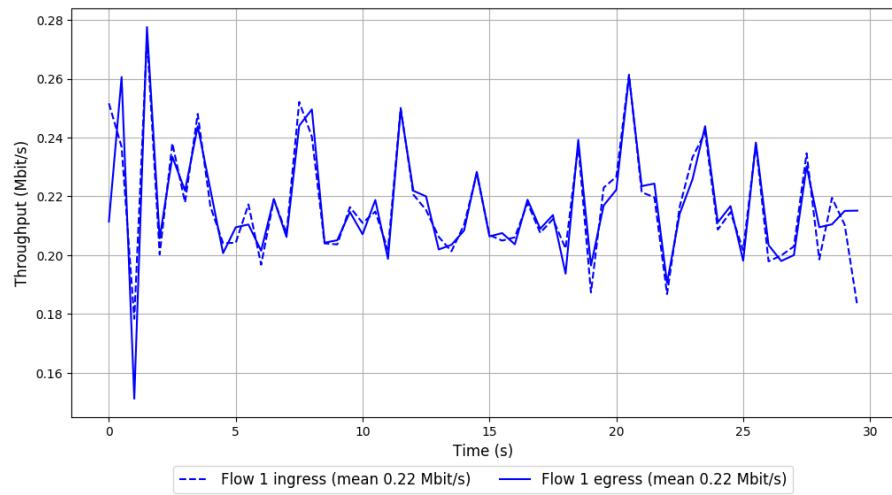
Run 2: Statistics of SCReAM

Start at: 2018-01-31 03:17:48

End at: 2018-01-31 03:18:18

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.073 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link



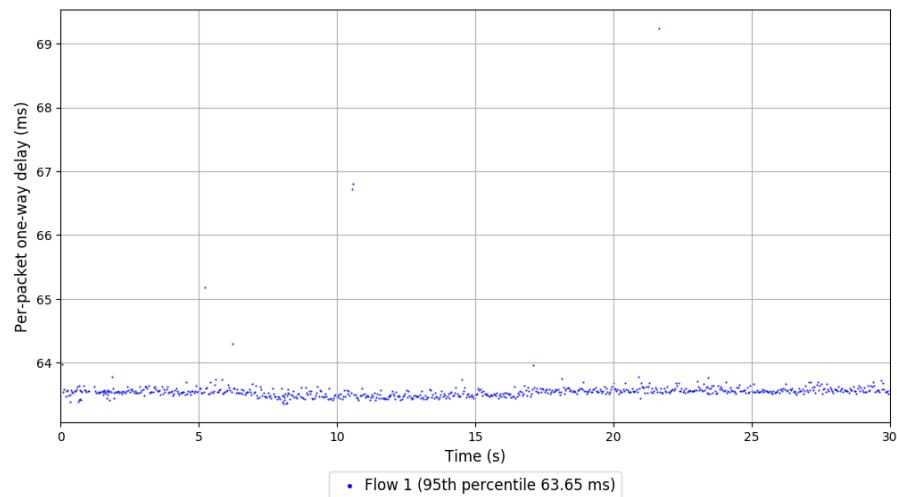
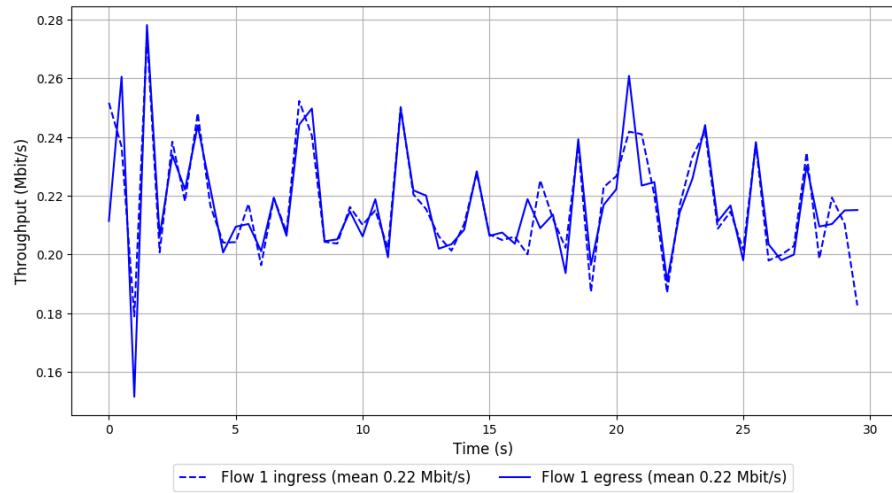
Run 3: Statistics of SCReAM

Start at: 2018-01-31 03:31:17

End at: 2018-01-31 03:31:47

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.654 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link



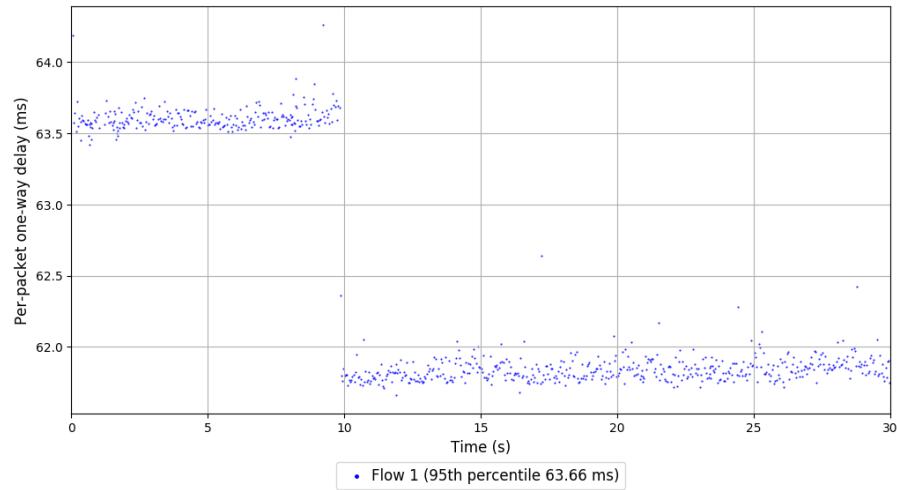
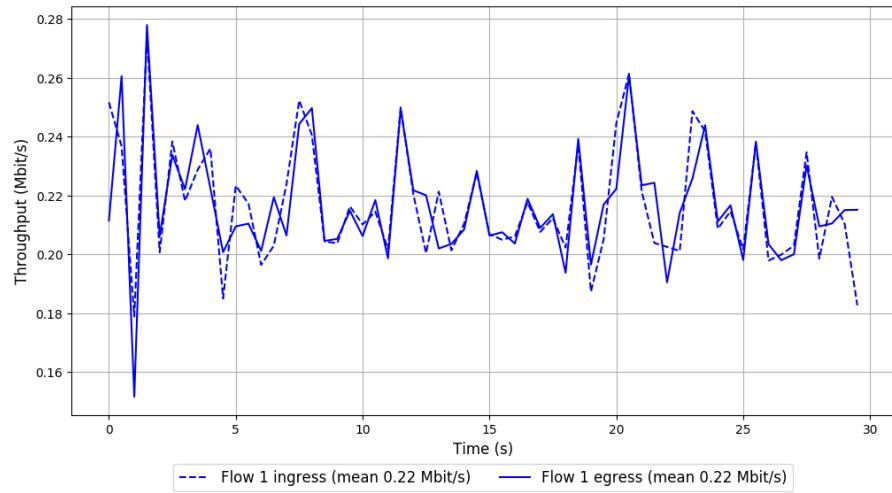
Run 4: Statistics of SCReAM

Start at: 2018-01-31 03:44:54

End at: 2018-01-31 03:45:24

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.660 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link



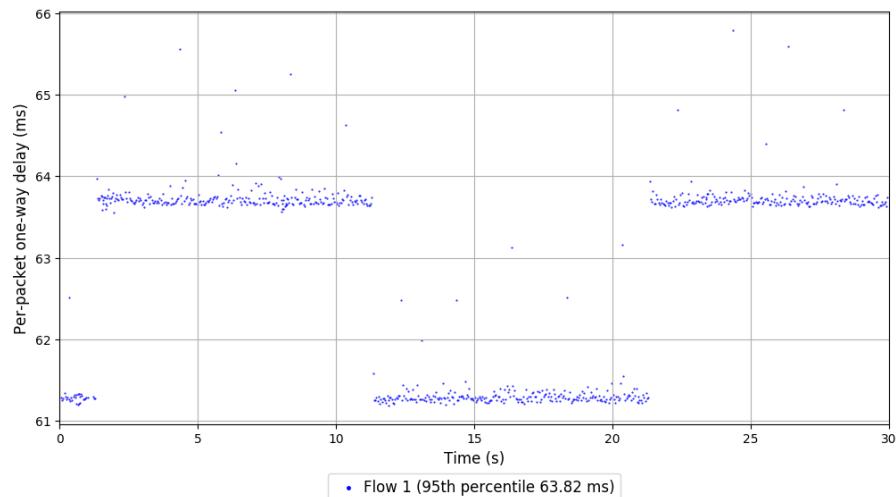
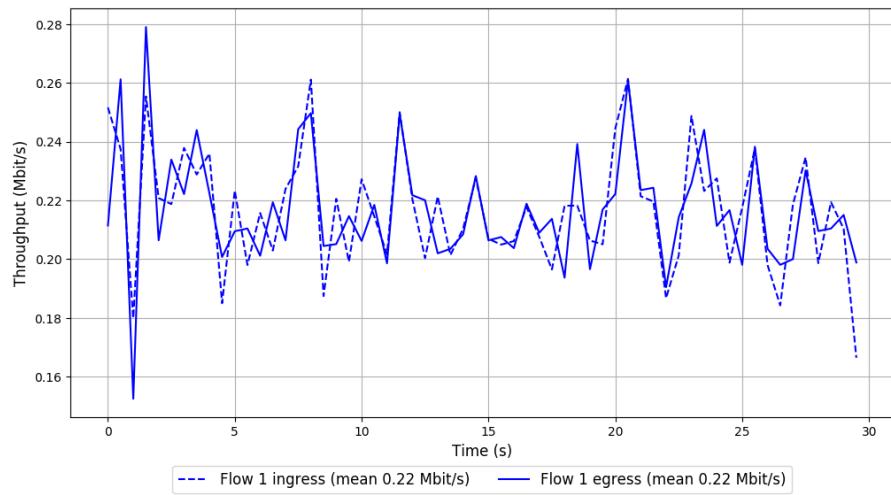
Run 5: Statistics of SCReAM

Start at: 2018-01-31 03:58:03

End at: 2018-01-31 03:58:33

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.818 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



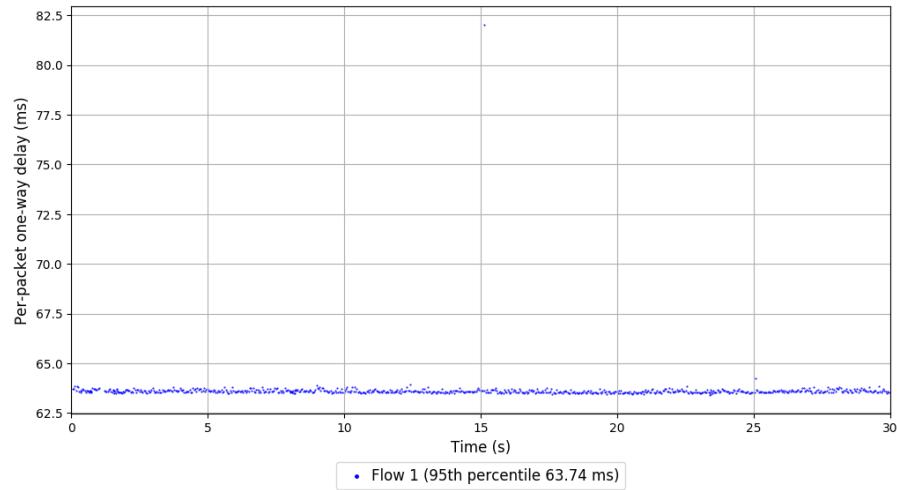
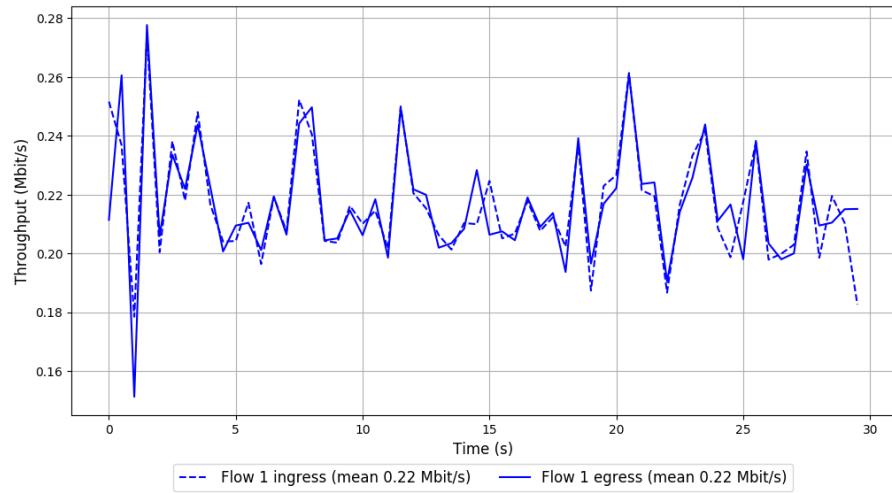
Run 6: Statistics of SCReAM

Start at: 2018-01-31 04:11:39

End at: 2018-01-31 04:12:09

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.744 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



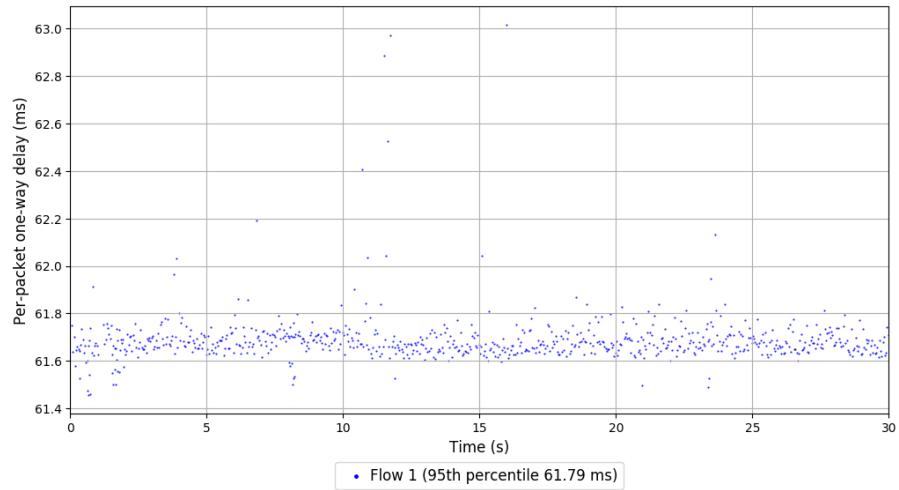
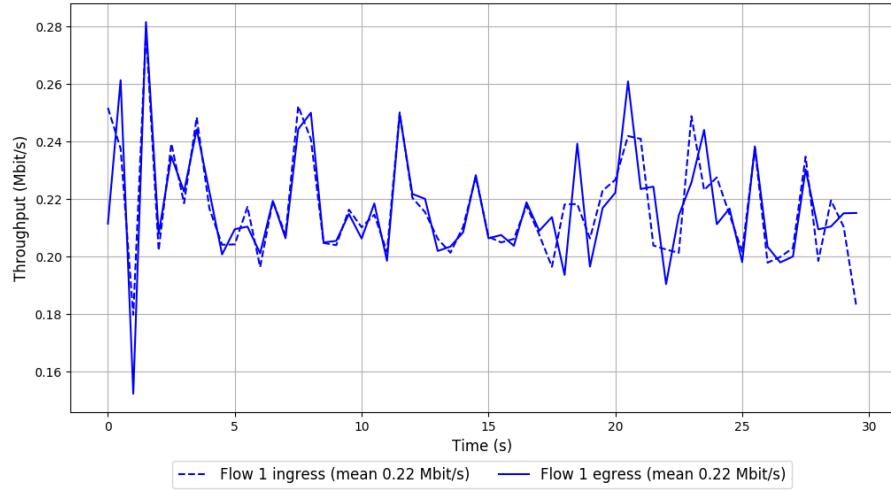
Run 7: Statistics of SCReAM

Start at: 2018-01-31 04:24:43

End at: 2018-01-31 04:25:13

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.789 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link



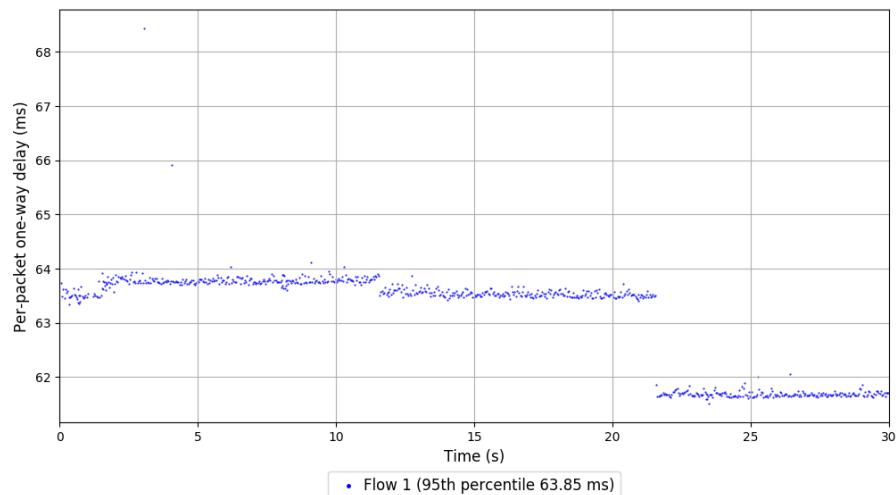
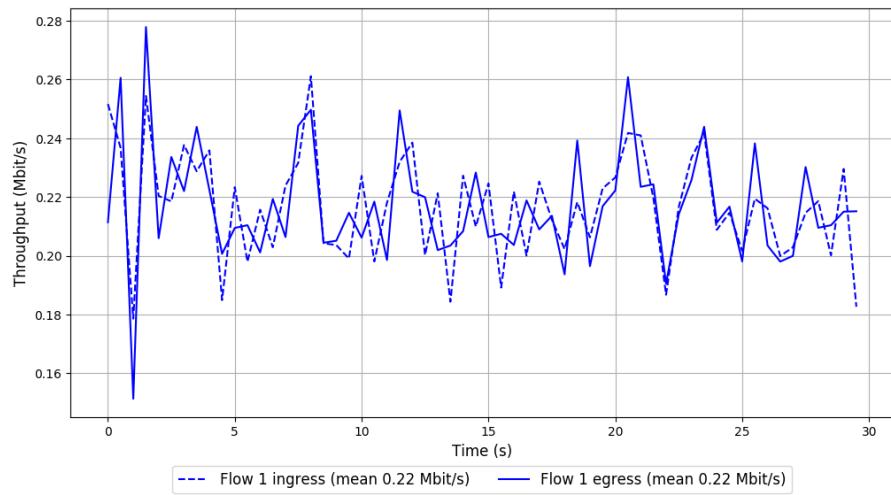
Run 8: Statistics of SCReAM

Start at: 2018-01-31 04:38:12

End at: 2018-01-31 04:38:42

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.847 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link



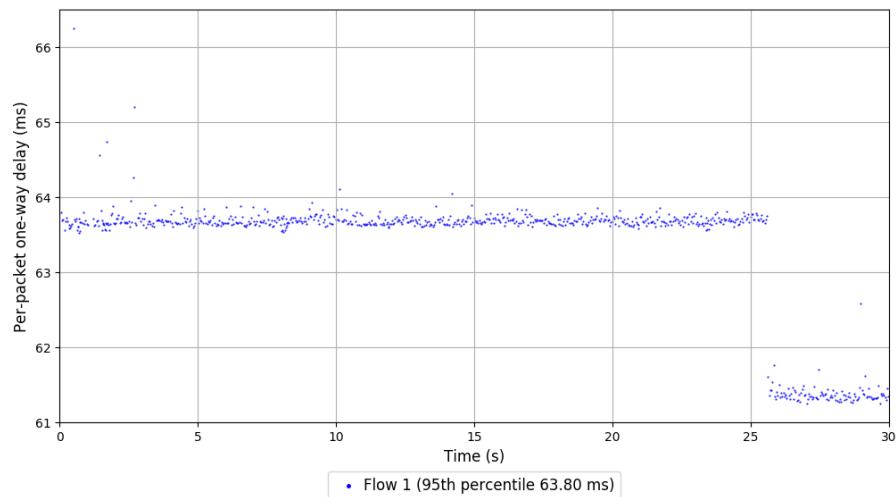
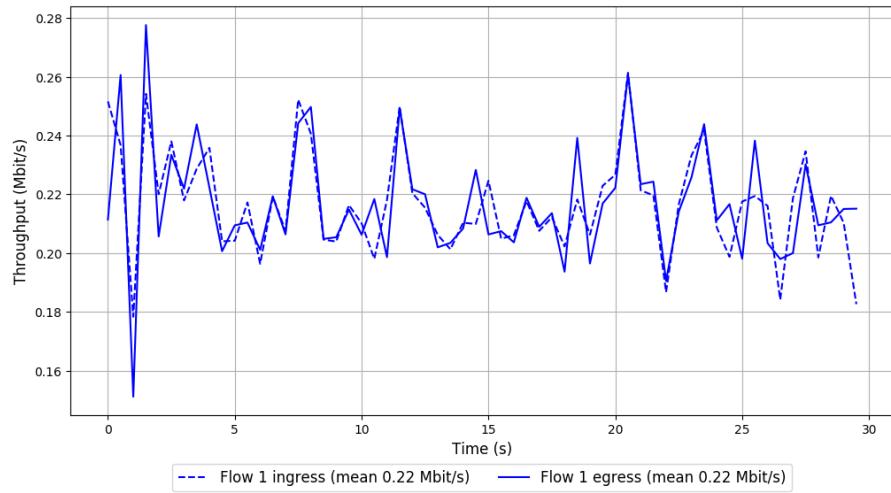
Run 9: Statistics of SCReAM

Start at: 2018-01-31 04:51:38

End at: 2018-01-31 04:52:08

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.803 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link



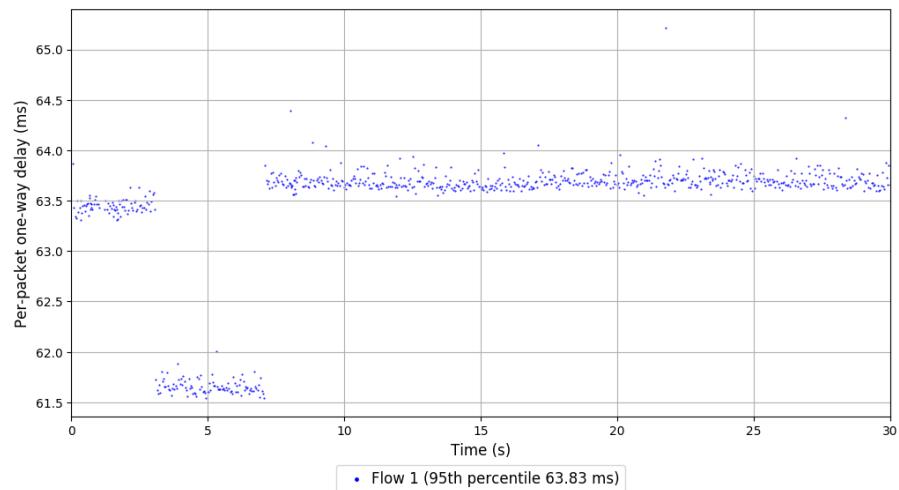
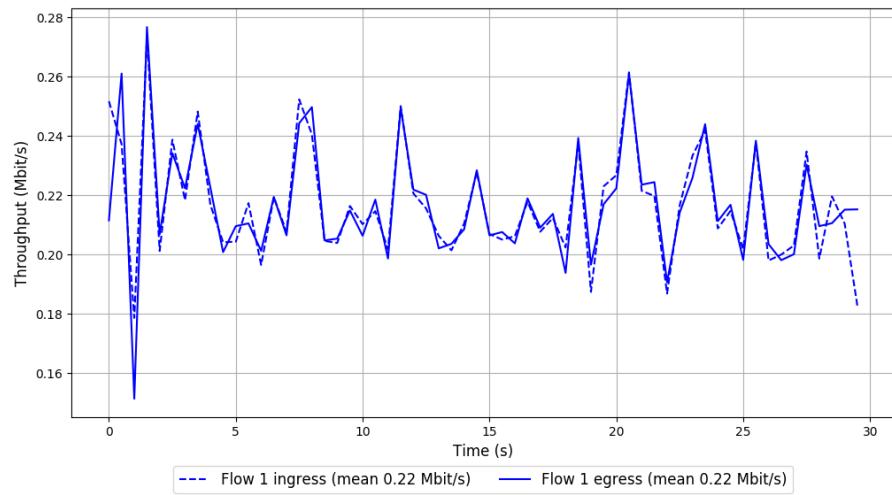
Run 10: Statistics of SCReAM

Start at: 2018-01-31 05:05:17

End at: 2018-01-31 05:05:47

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

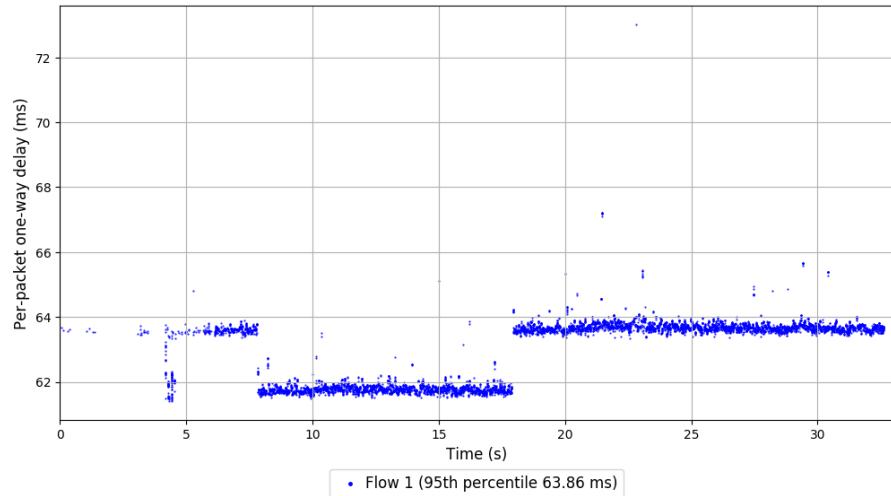
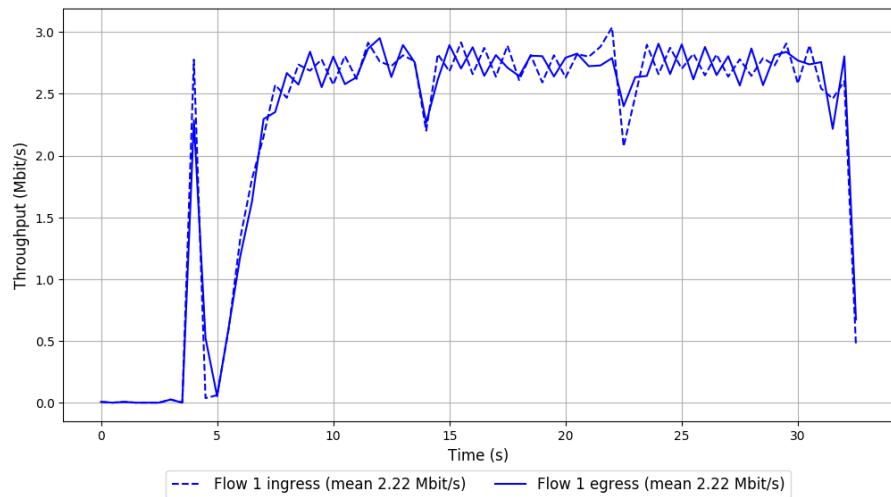


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-31 03:10:19
End at: 2018-01-31 03:10:49

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 63.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 63.858 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

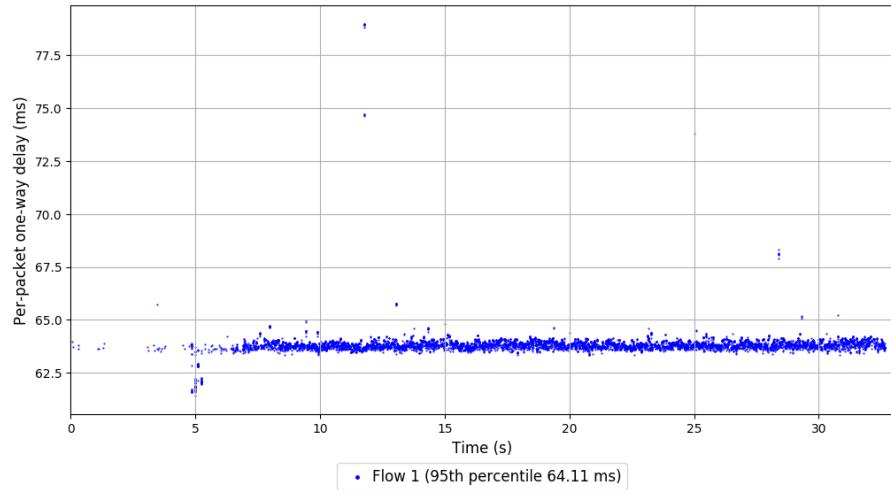
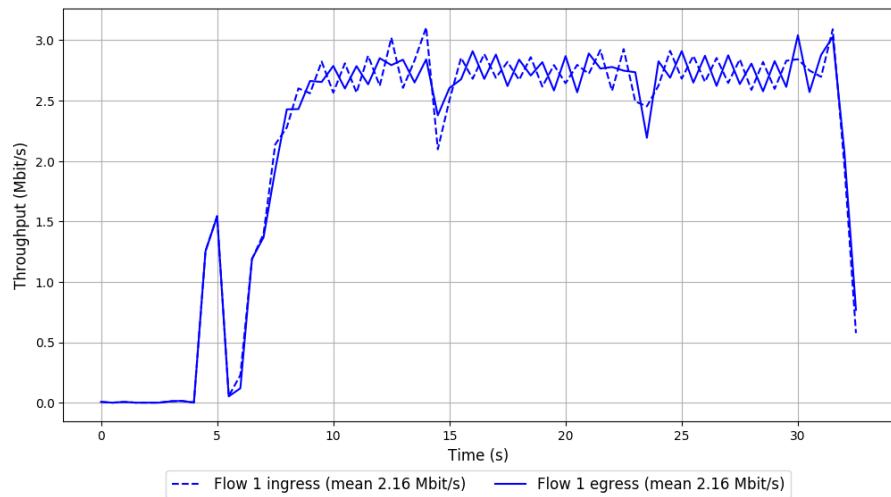


```
Run 2: Statistics of WebRTC media

Start at: 2018-01-31 03:23:29
End at: 2018-01-31 03:23:59

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 64.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 64.113 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

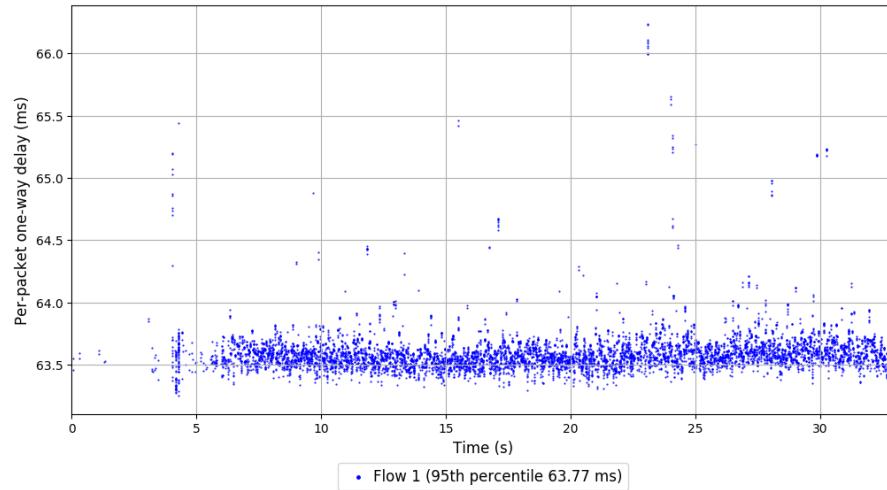
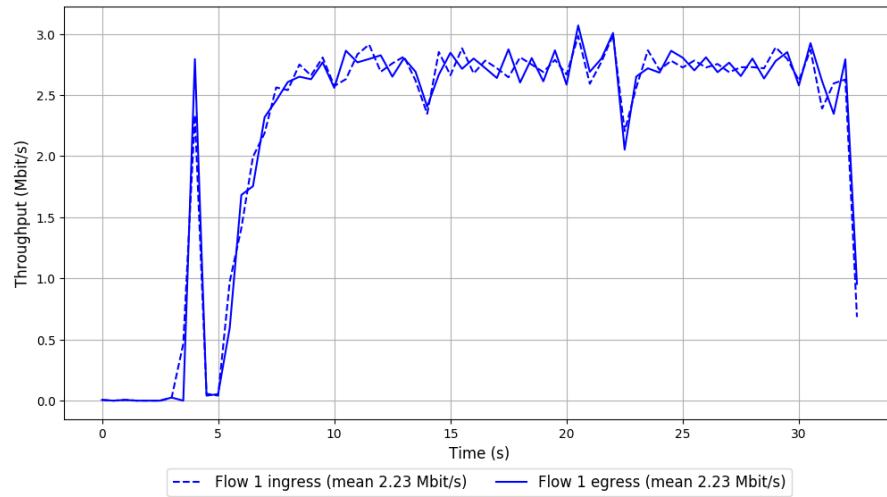


```
Run 3: Statistics of WebRTC media

Start at: 2018-01-31 03:37:15
End at: 2018-01-31 03:37:45

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 63.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 63.775 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

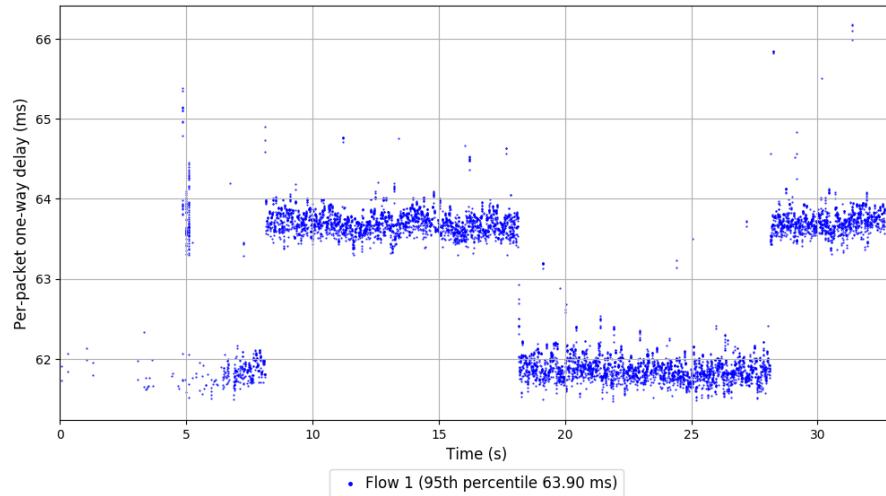
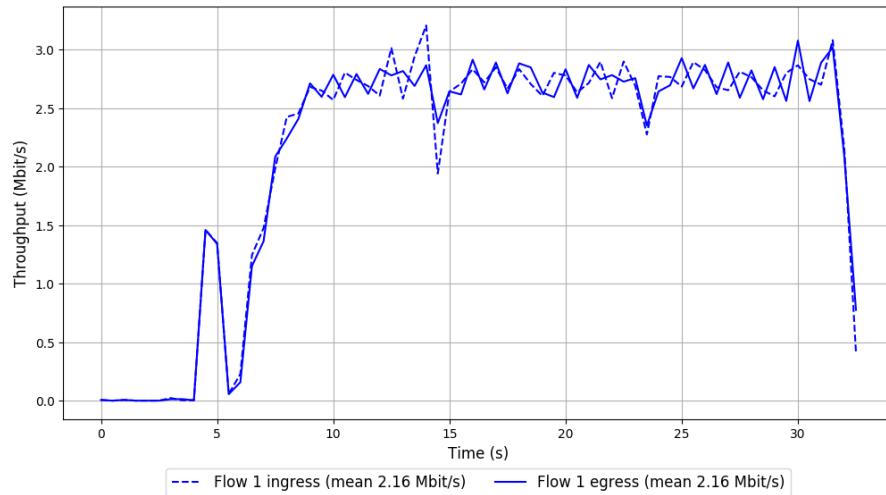


```
Run 4: Statistics of WebRTC media

Start at: 2018-01-31 03:50:38
End at: 2018-01-31 03:51:08

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 63.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 63.903 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



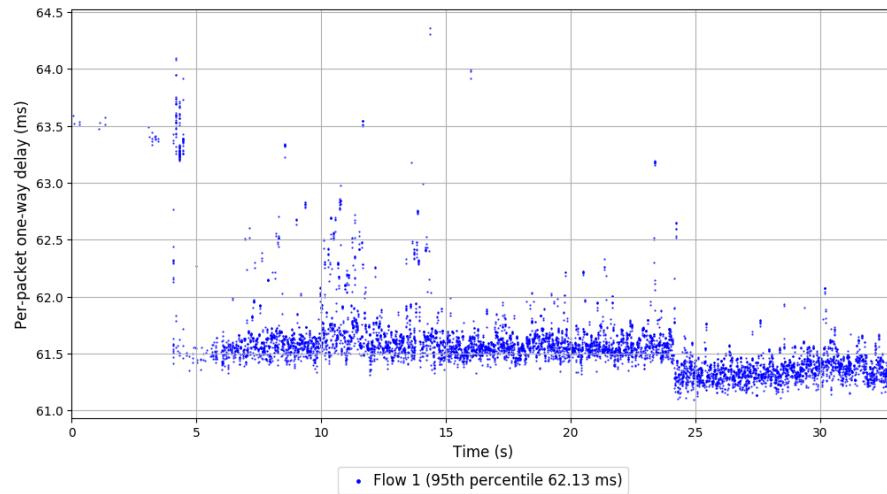
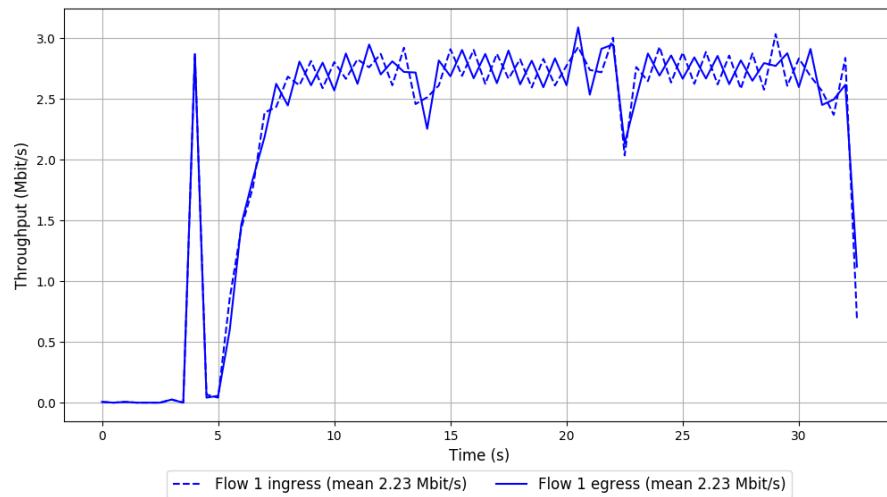
Run 5: Statistics of WebRTC media

Start at: 2018-01-31 04:03:52

End at: 2018-01-31 04:04:22

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 62.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 62.127 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

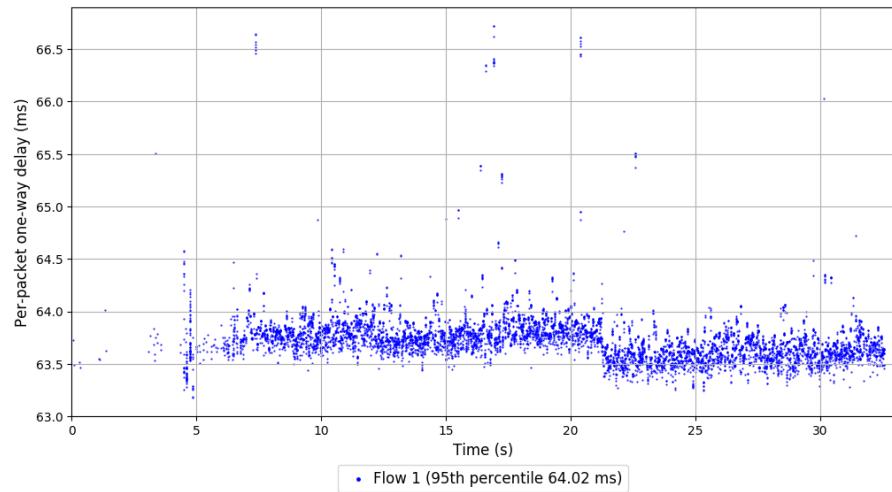
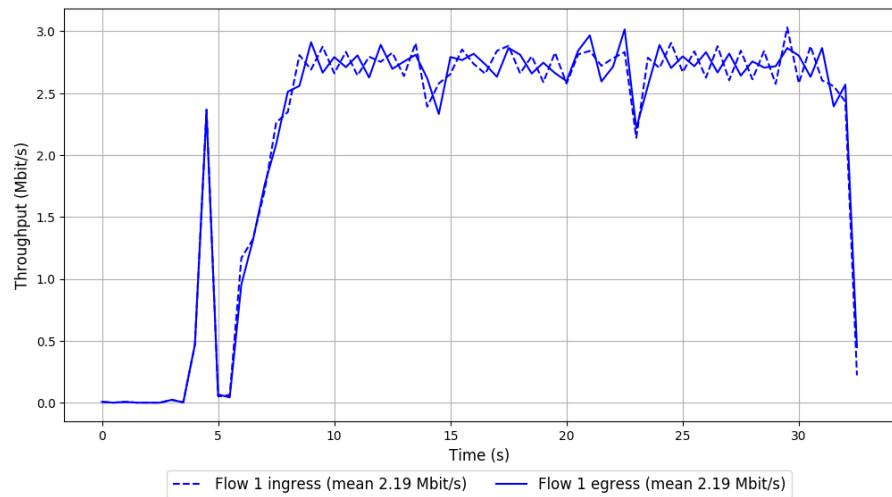


```
Run 6: Statistics of WebRTC media

Start at: 2018-01-31 04:17:15
End at: 2018-01-31 04:17:45

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 64.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 64.022 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

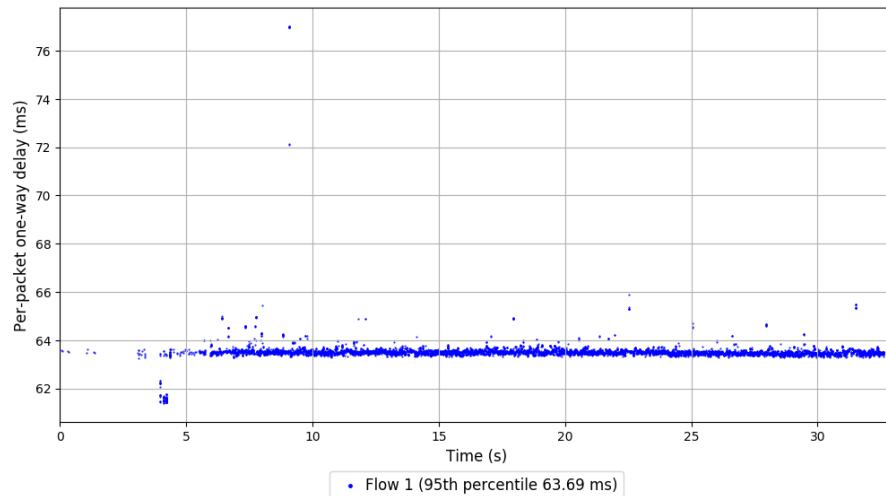
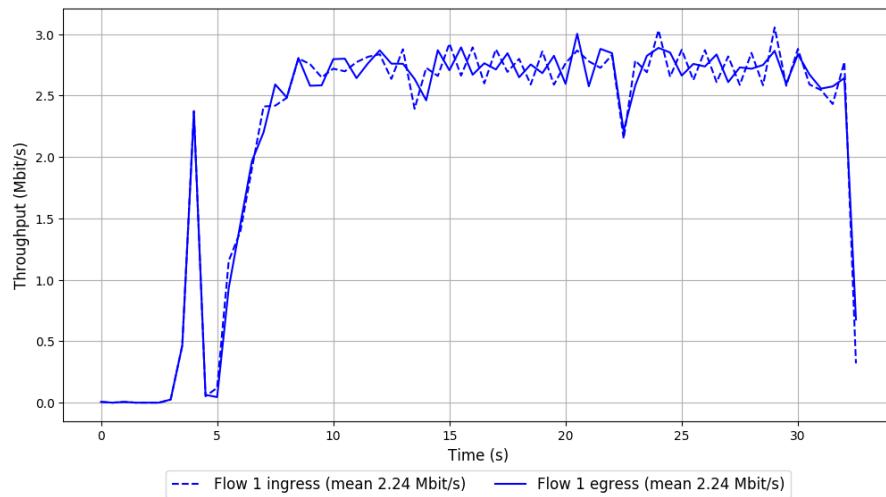


```
Run 7: Statistics of WebRTC media

Start at: 2018-01-31 04:30:32
End at: 2018-01-31 04:31:02

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 63.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 63.691 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

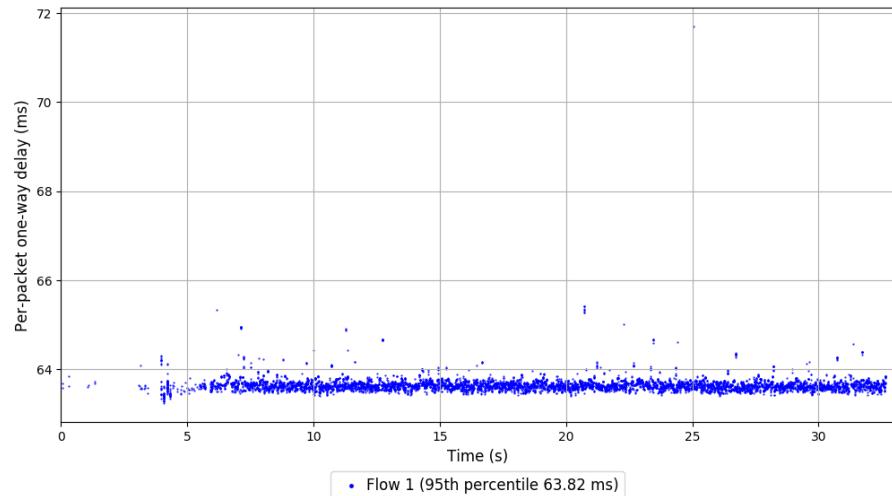
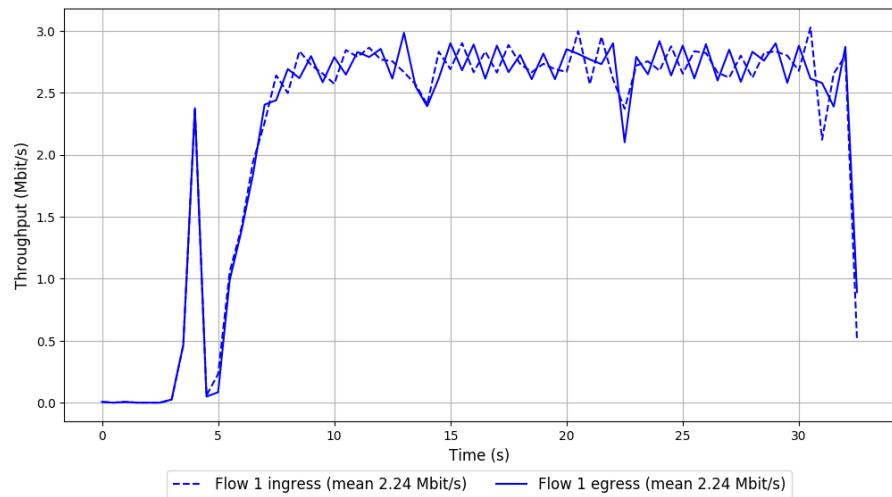


```
Run 8: Statistics of WebRTC media

Start at: 2018-01-31 04:43:49
End at: 2018-01-31 04:44:19

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 63.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 63.817 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

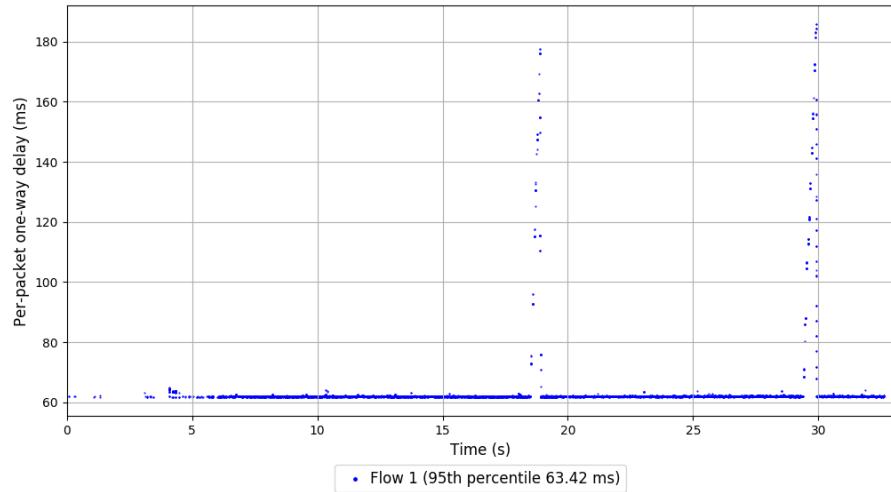
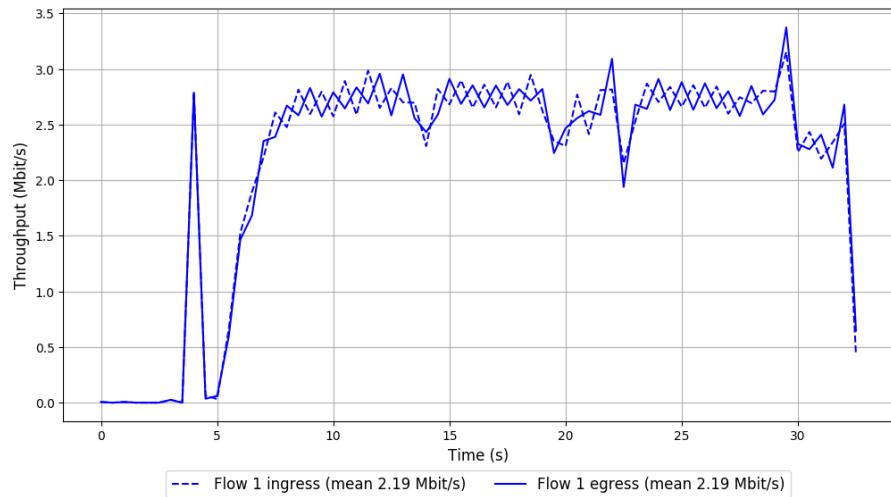


```
Run 9: Statistics of WebRTC media

Start at: 2018-01-31 04:57:36
End at: 2018-01-31 04:58:06

# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 63.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 63.422 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



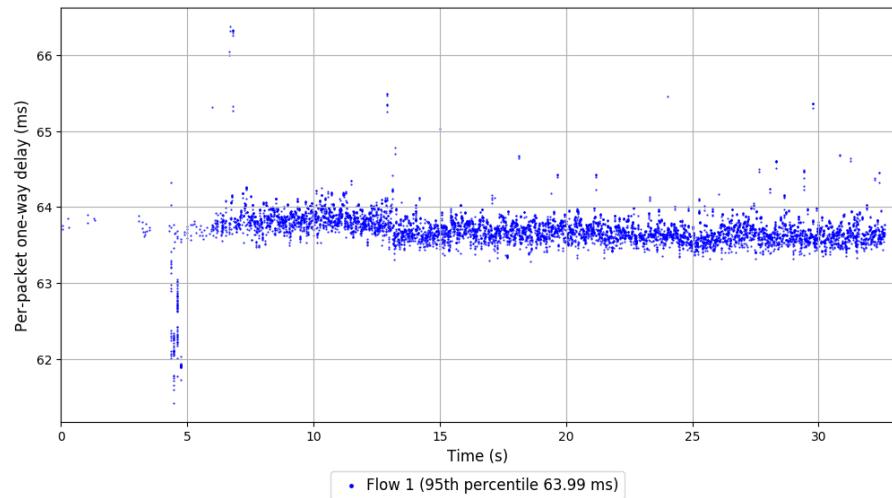
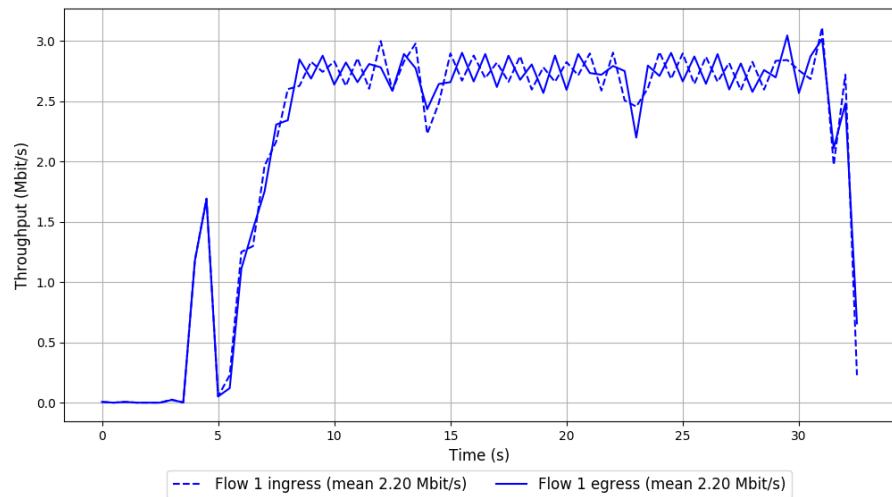
Run 10: Statistics of WebRTC media

Start at: 2018-01-31 05:10:53

End at: 2018-01-31 05:11:23

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 63.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 63.993 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



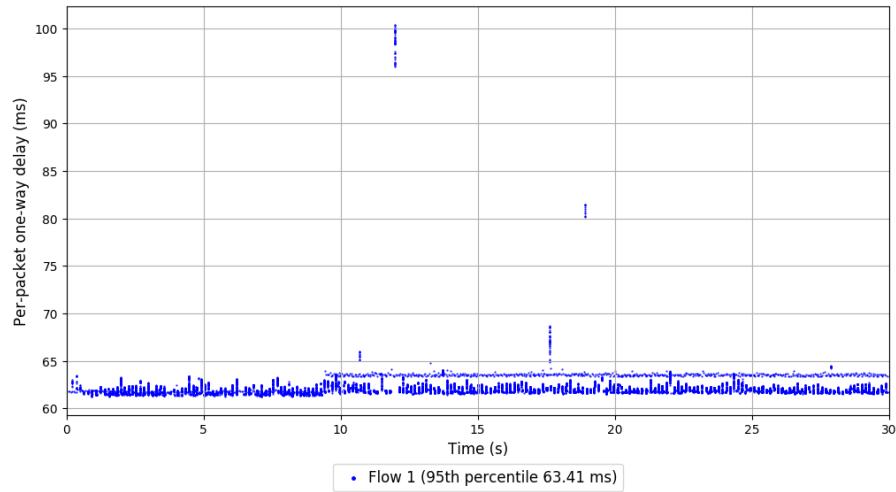
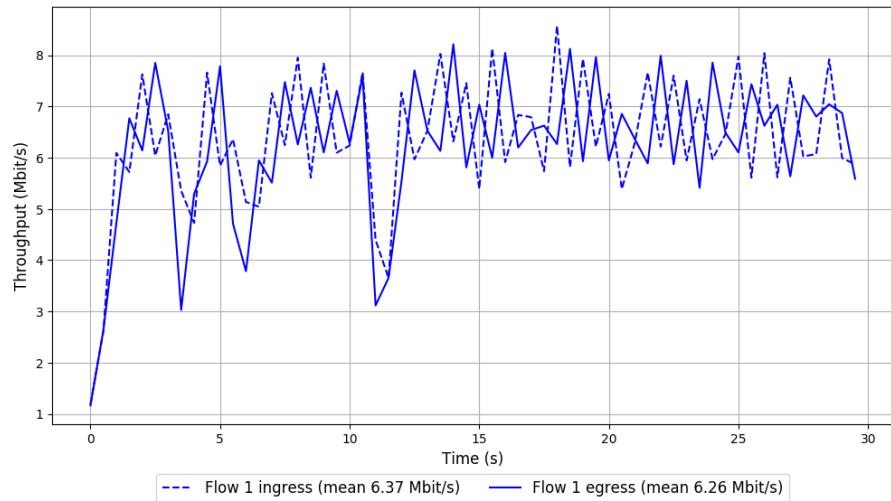
Run 1: Statistics of Sprout

Start at: 2018-01-31 03:06:44

End at: 2018-01-31 03:07:14

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 63.410 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 63.410 ms
Loss rate: 1.73%
```

Run 1: Report of Sprout — Data Link



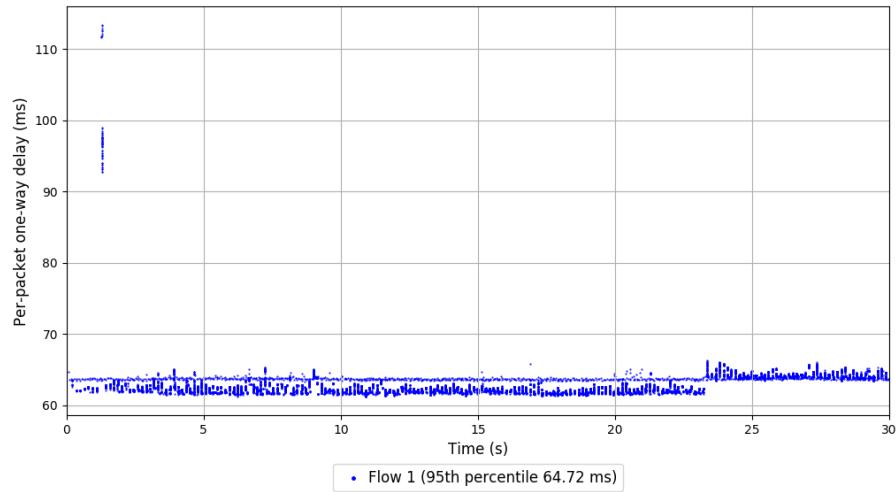
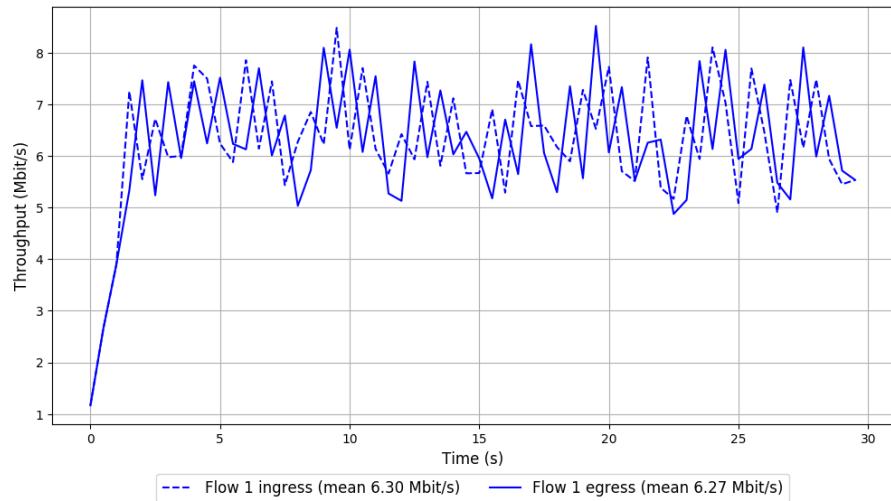
Run 2: Statistics of Sprout

Start at: 2018-01-31 03:20:00

End at: 2018-01-31 03:20:30

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 64.721 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 64.721 ms
Loss rate: 0.60%
```

Run 2: Report of Sprout — Data Link



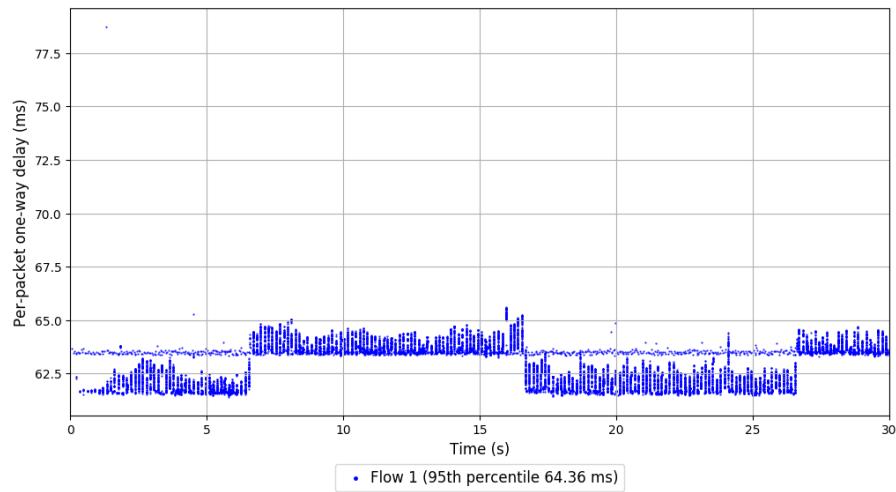
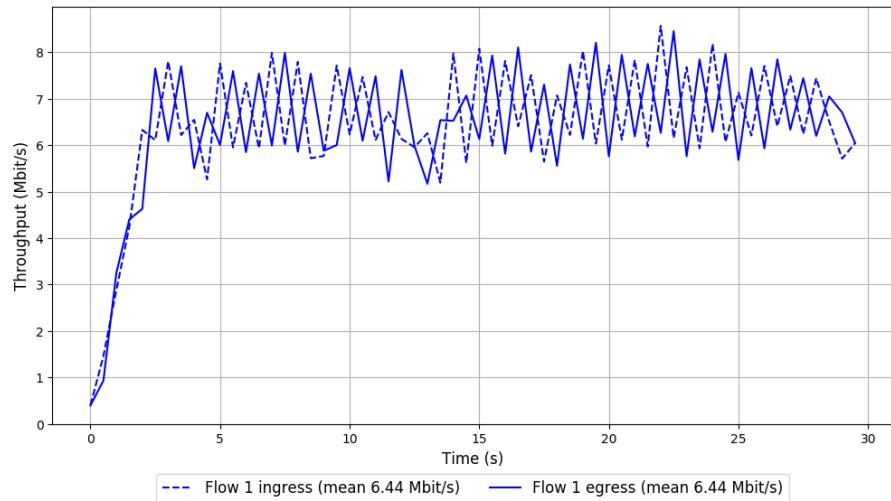
Run 3: Statistics of Sprout

Start at: 2018-01-31 03:33:37

End at: 2018-01-31 03:34:07

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 64.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 64.358 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



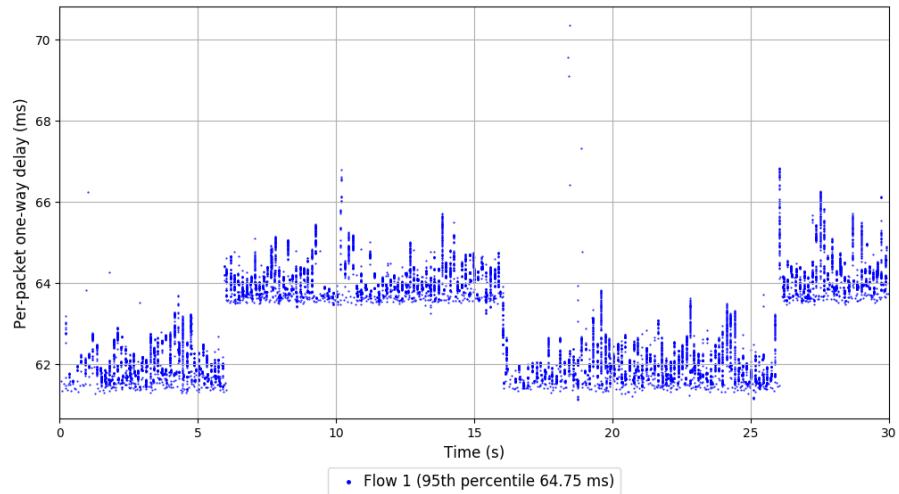
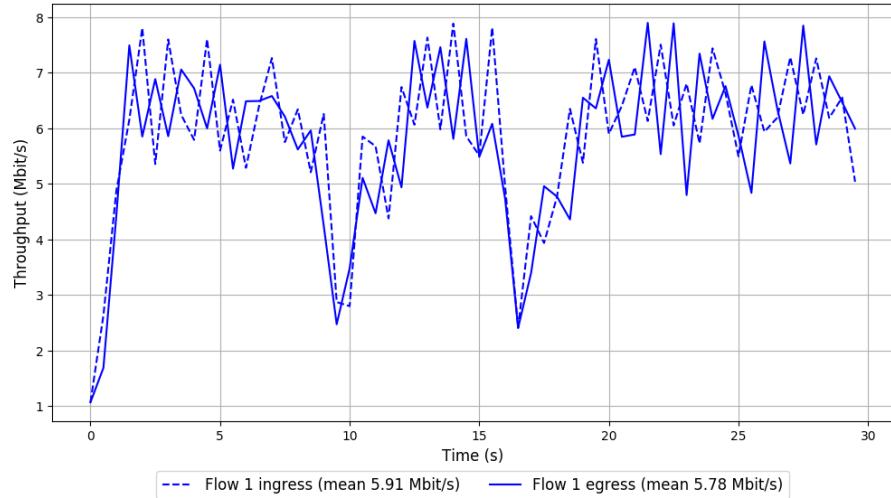
Run 4: Statistics of Sprout

Start at: 2018-01-31 03:47:08

End at: 2018-01-31 03:47:38

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 64.750 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 64.750 ms
Loss rate: 2.19%
```

Run 4: Report of Sprout — Data Link



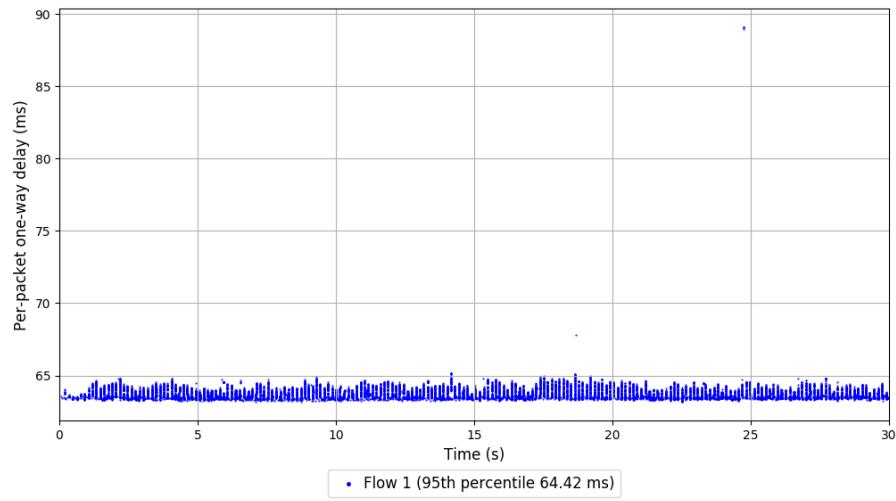
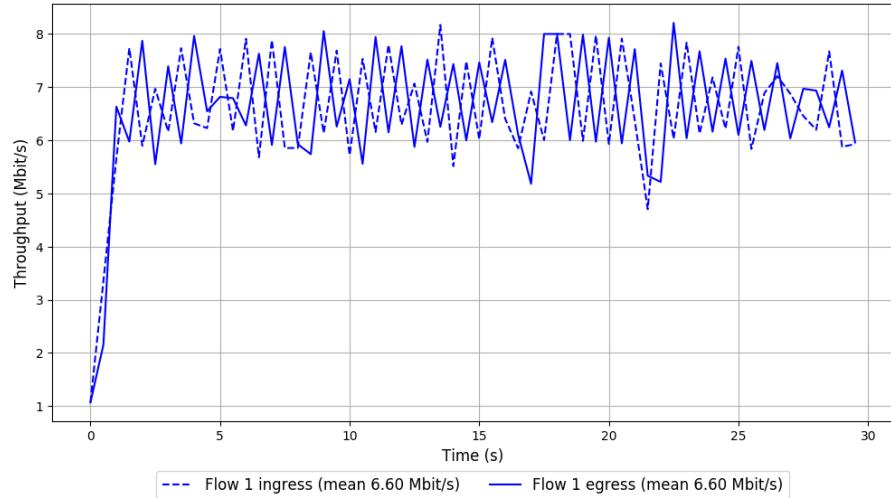
Run 5: Statistics of Sprout

Start at: 2018-01-31 04:00:20

End at: 2018-01-31 04:00:50

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 64.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 64.418 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



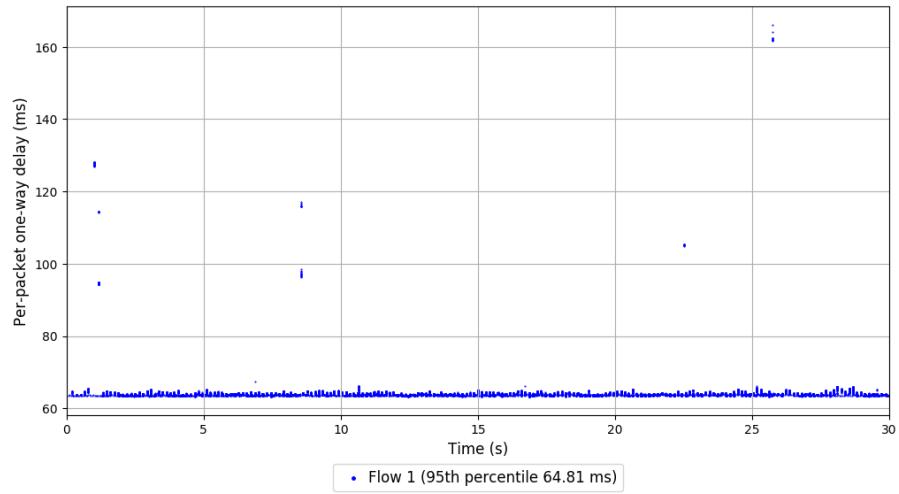
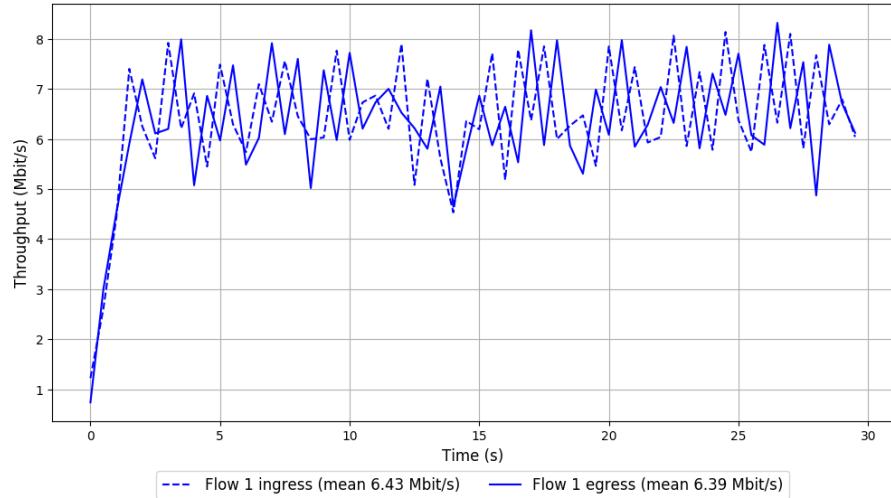
Run 6: Statistics of Sprout

Start at: 2018-01-31 04:13:38

End at: 2018-01-31 04:14:08

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 64.808 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 64.808 ms
Loss rate: 0.67%
```

Run 6: Report of Sprout — Data Link



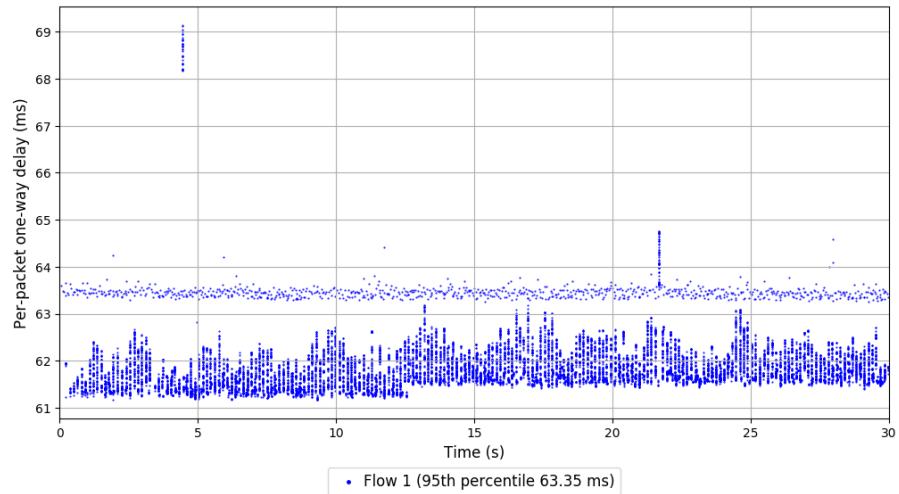
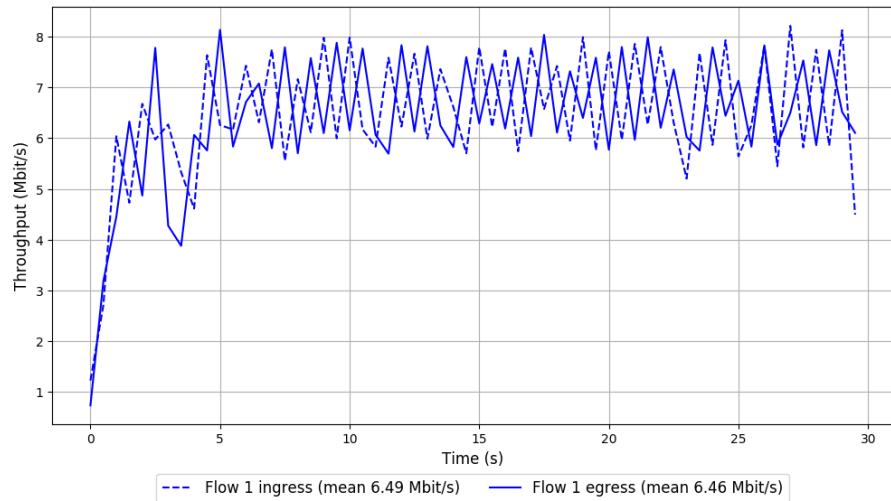
Run 7: Statistics of Sprout

Start at: 2018-01-31 04:26:41

End at: 2018-01-31 04:27:11

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 63.351 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 63.351 ms
Loss rate: 0.51%
```

Run 7: Report of Sprout — Data Link



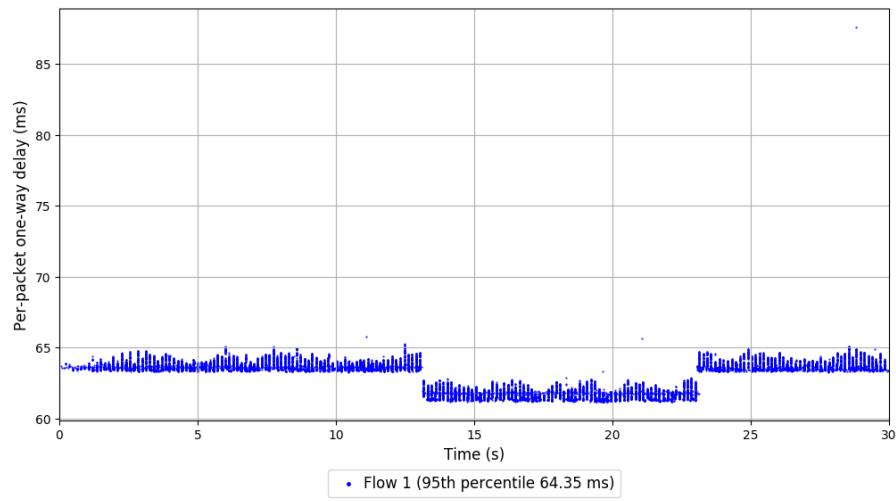
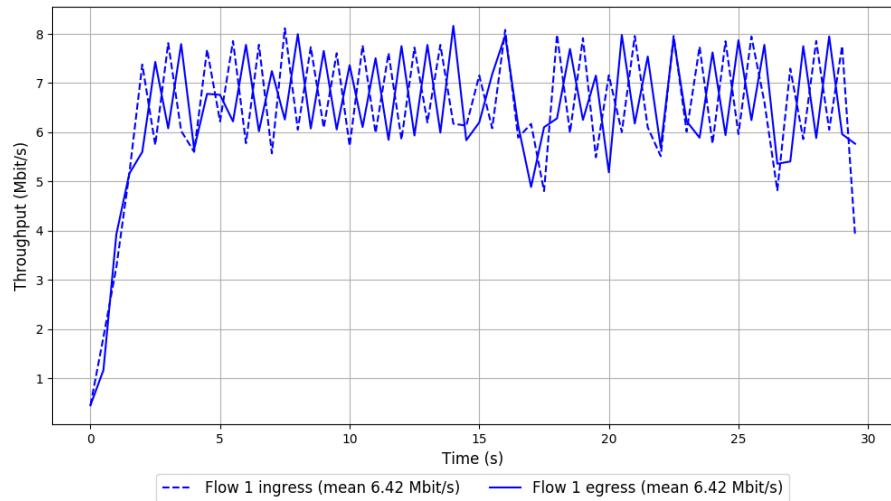
Run 8: Statistics of Sprout

Start at: 2018-01-31 04:40:11

End at: 2018-01-31 04:40:41

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 64.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 64.348 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



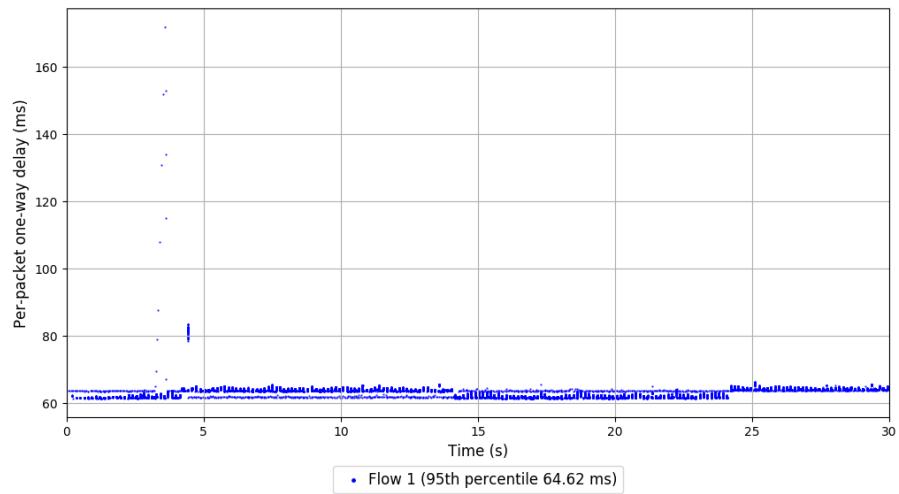
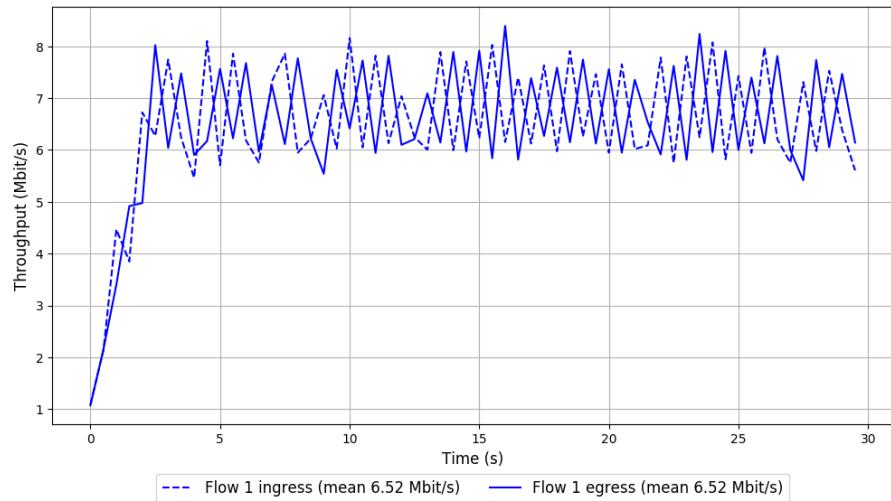
Run 9: Statistics of Sprout

Start at: 2018-01-31 04:53:50

End at: 2018-01-31 04:54:20

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 64.625 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 64.625 ms
Loss rate: 0.01%
```

Run 9: Report of Sprout — Data Link



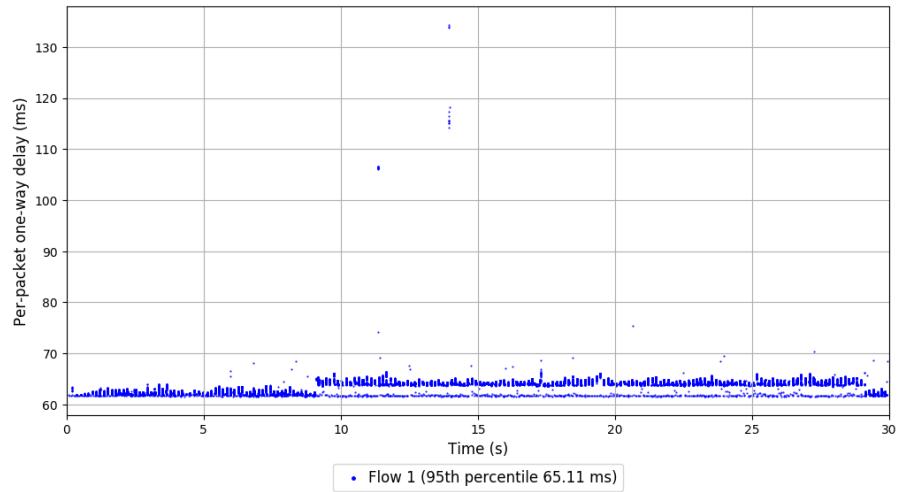
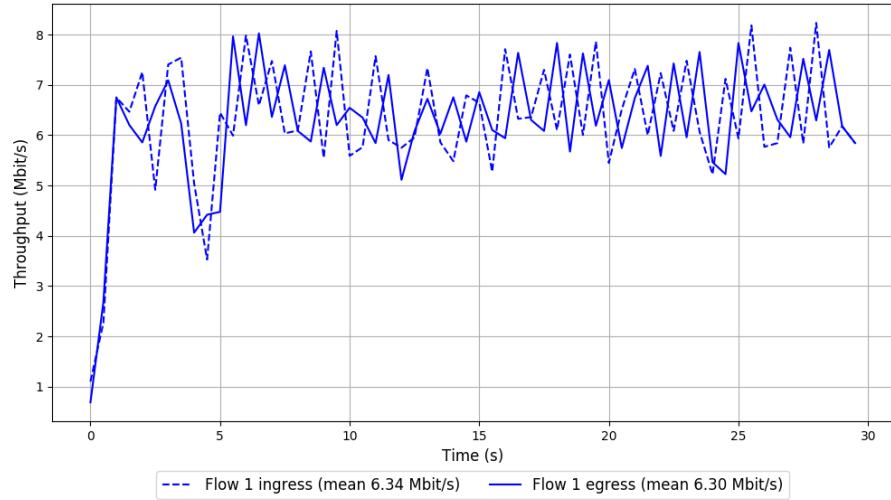
Run 10: Statistics of Sprout

Start at: 2018-01-31 05:07:15

End at: 2018-01-31 05:07:45

```
# Below is generated by plot.py at 2018-01-31 06:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 65.107 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 65.107 ms
Loss rate: 0.68%
```

Run 10: Report of Sprout — Data Link



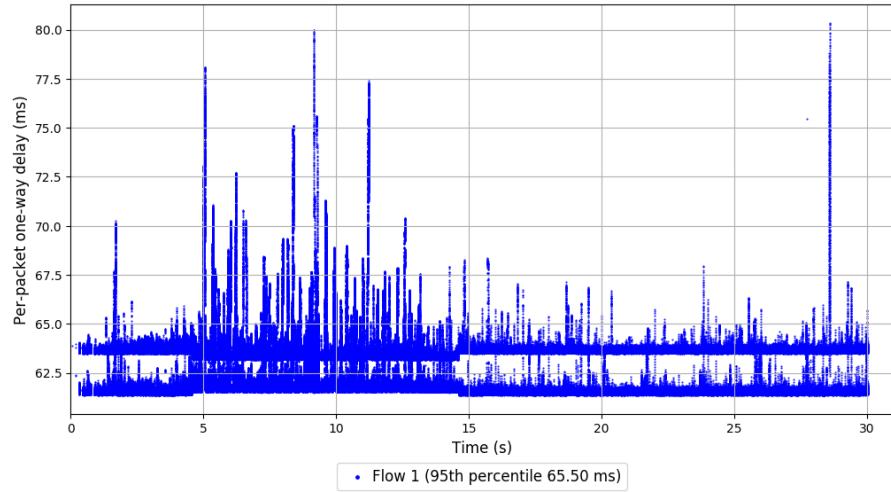
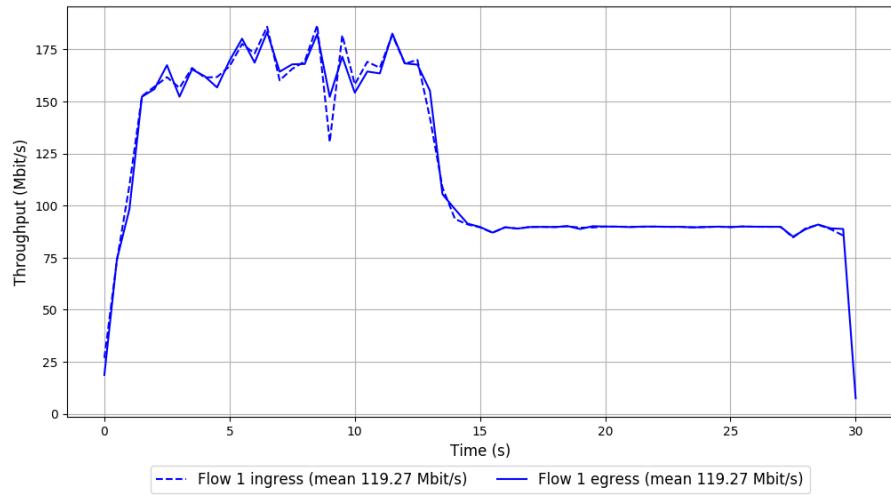
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-31 03:00:29

End at: 2018-01-31 03:00:59

```
# Below is generated by plot.py at 2018-01-31 06:31:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 119.27 Mbit/s
95th percentile per-packet one-way delay: 65.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.27 Mbit/s
95th percentile per-packet one-way delay: 65.500 ms
Loss rate: 0.00%
```

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



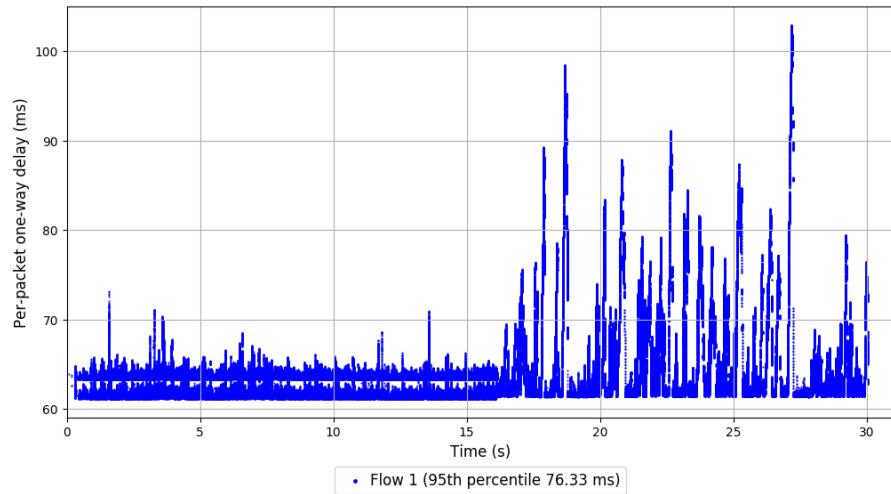
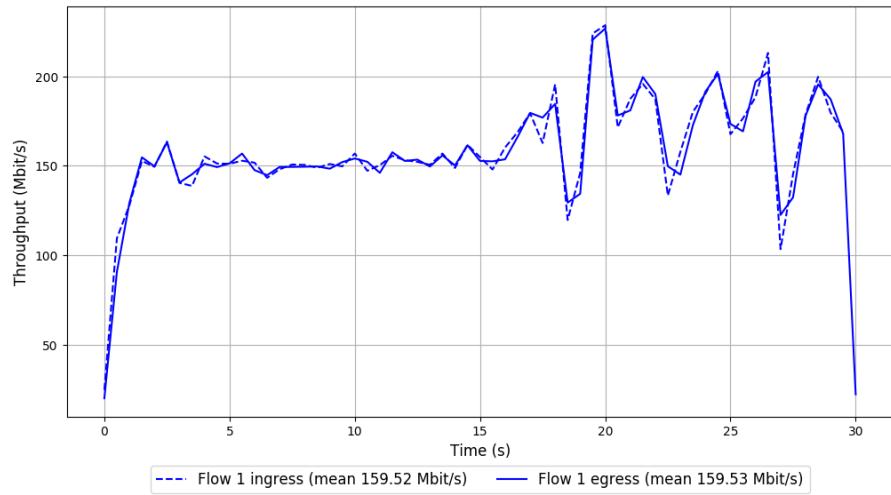
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-31 03:13:58

End at: 2018-01-31 03:14:28

```
# Below is generated by plot.py at 2018-01-31 06:32:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.53 Mbit/s
95th percentile per-packet one-way delay: 76.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.53 Mbit/s
95th percentile per-packet one-way delay: 76.333 ms
Loss rate: 0.00%
```

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



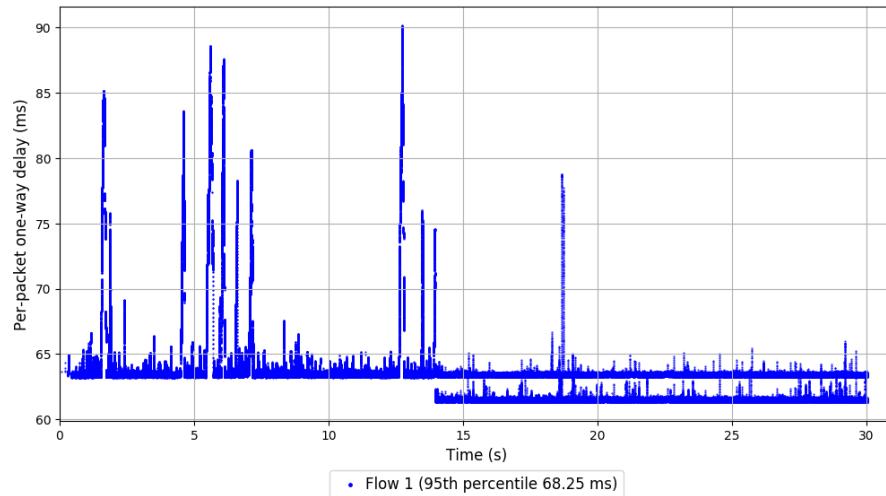
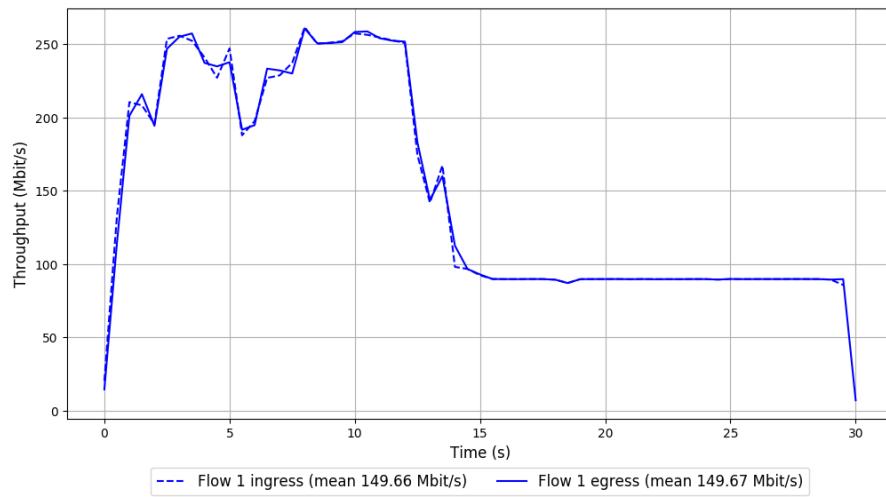
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-31 03:27:20

End at: 2018-01-31 03:27:50

```
# Below is generated by plot.py at 2018-01-31 06:32:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.67 Mbit/s
95th percentile per-packet one-way delay: 68.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.67 Mbit/s
95th percentile per-packet one-way delay: 68.251 ms
Loss rate: 0.00%
```

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



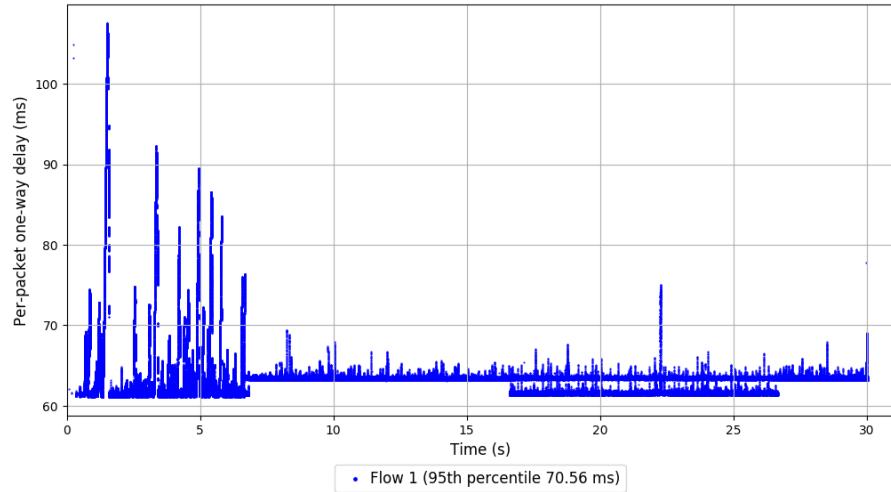
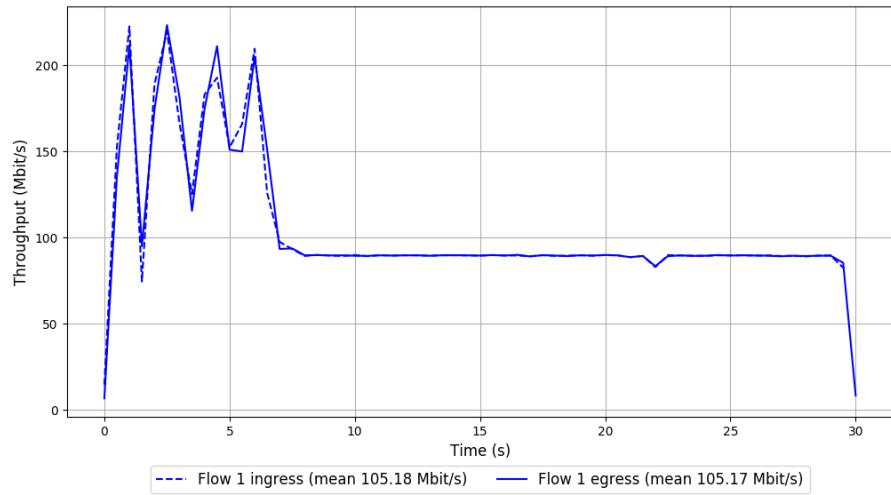
Run 4: Statistics of TaoVA-100x

Start at: 2018-01-31 03:41:07

End at: 2018-01-31 03:41:37

```
# Below is generated by plot.py at 2018-01-31 06:32:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.17 Mbit/s
95th percentile per-packet one-way delay: 70.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.17 Mbit/s
95th percentile per-packet one-way delay: 70.561 ms
Loss rate: 0.00%
```

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

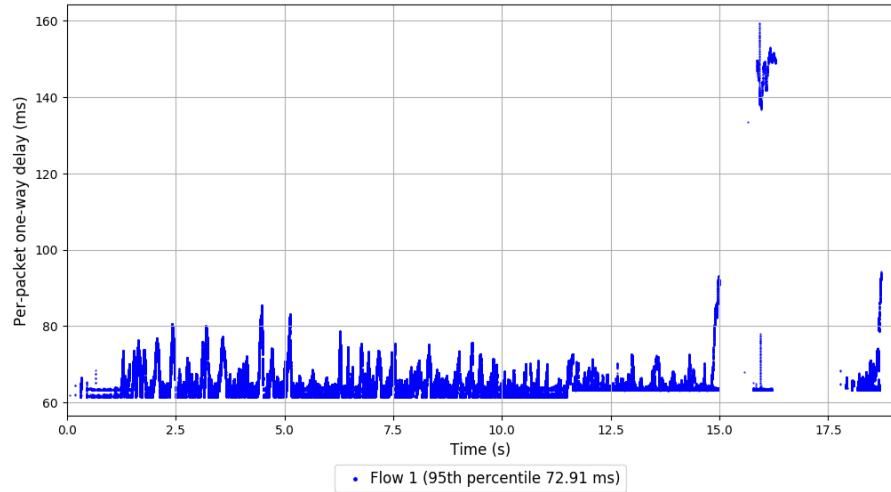
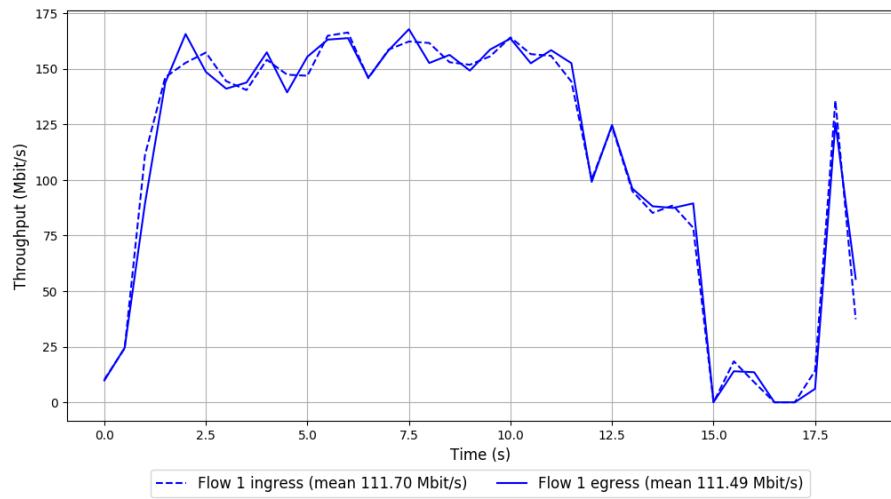


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-31 03:54:23

End at: 2018-01-31 03:54:53

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



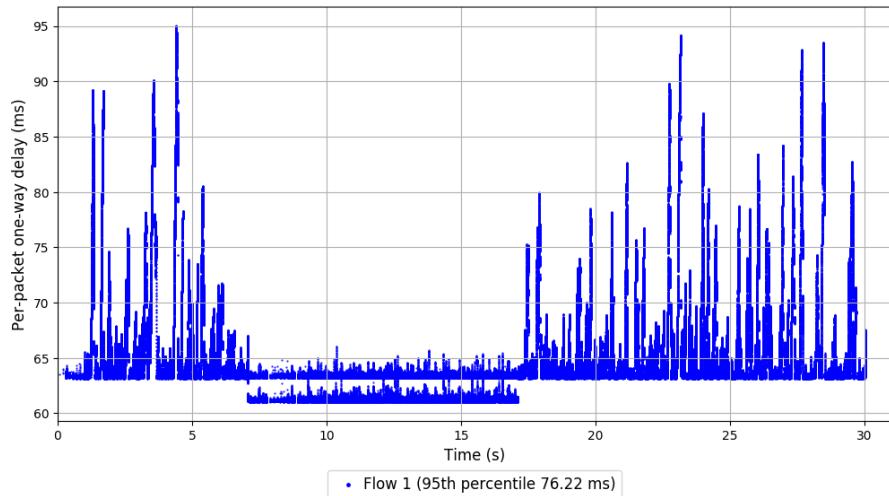
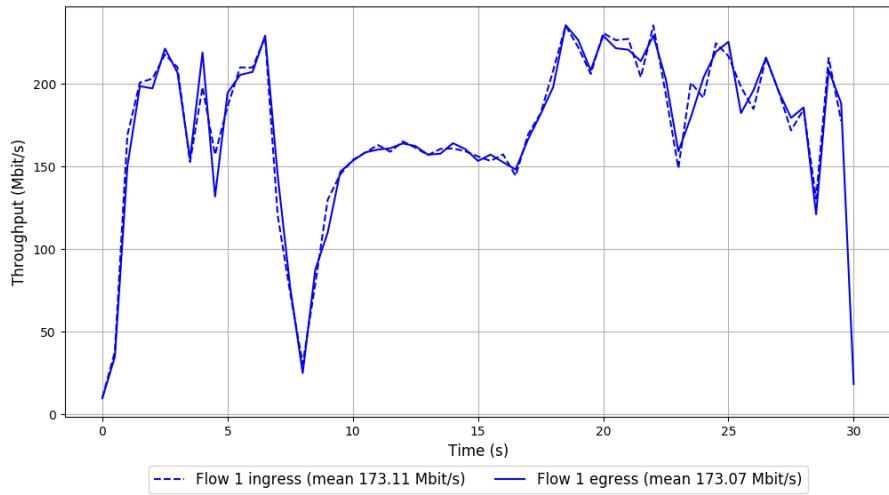
Run 6: Statistics of TaoVA-100x

Start at: 2018-01-31 04:07:47

End at: 2018-01-31 04:08:17

```
# Below is generated by plot.py at 2018-01-31 06:33:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 173.07 Mbit/s
95th percentile per-packet one-way delay: 76.217 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 173.07 Mbit/s
95th percentile per-packet one-way delay: 76.217 ms
Loss rate: 0.03%
```

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



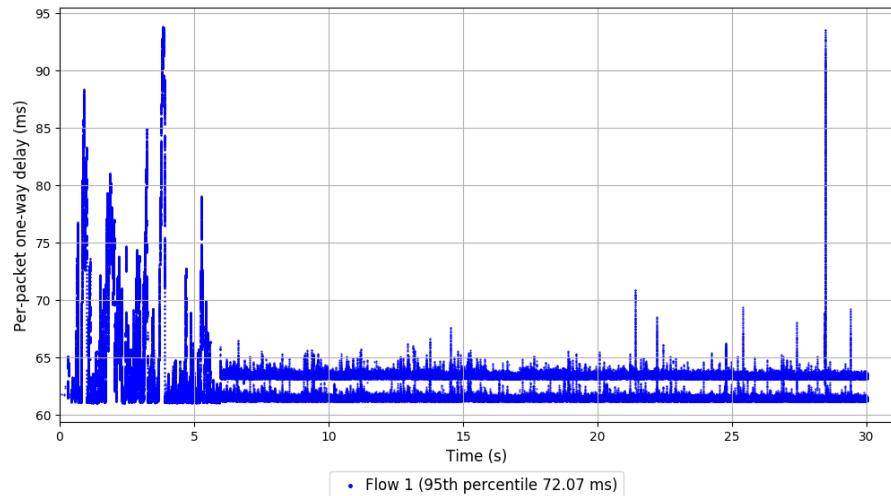
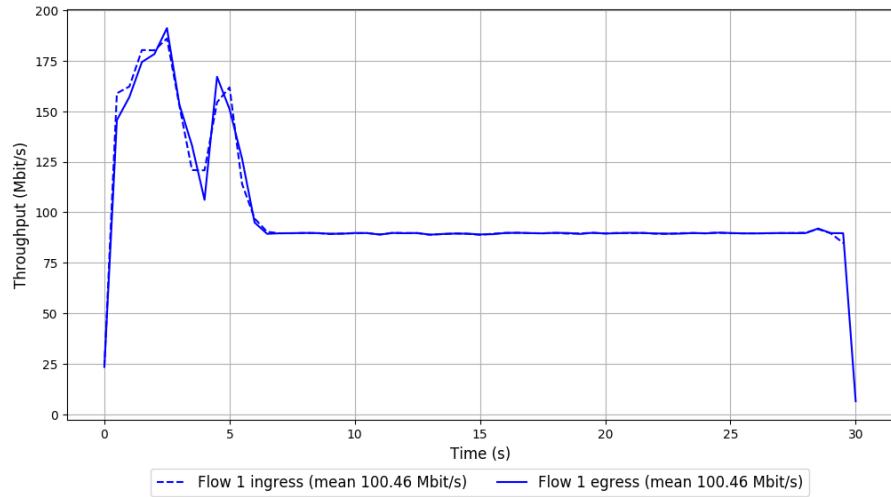
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-31 04:20:58

End at: 2018-01-31 04:21:28

```
# Below is generated by plot.py at 2018-01-31 06:33:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.46 Mbit/s
95th percentile per-packet one-way delay: 72.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.46 Mbit/s
95th percentile per-packet one-way delay: 72.074 ms
Loss rate: 0.00%
```

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



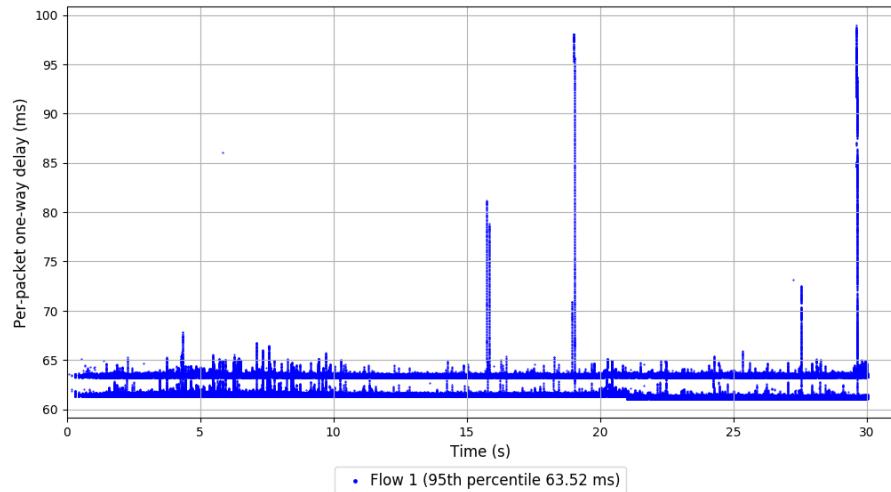
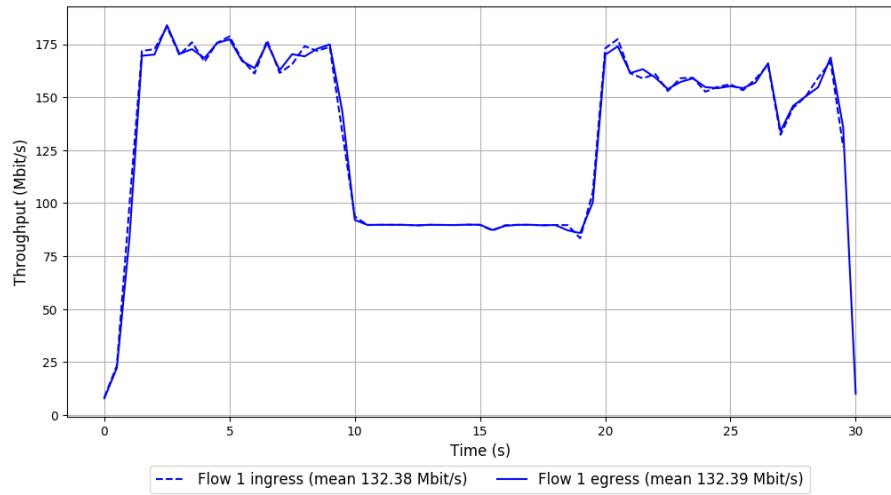
Run 8: Statistics of TaoVA-100x

Start at: 2018-01-31 04:34:23

End at: 2018-01-31 04:34:53

```
# Below is generated by plot.py at 2018-01-31 06:33:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.39 Mbit/s
95th percentile per-packet one-way delay: 63.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.39 Mbit/s
95th percentile per-packet one-way delay: 63.517 ms
Loss rate: 0.00%
```

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



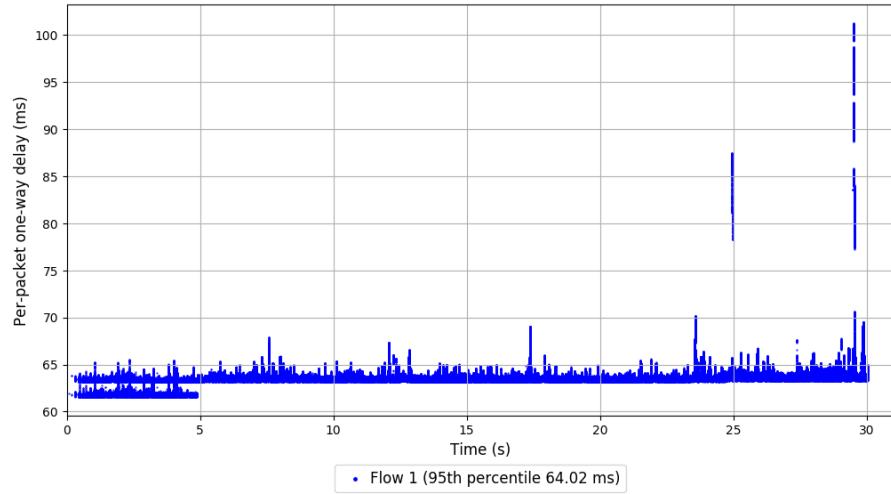
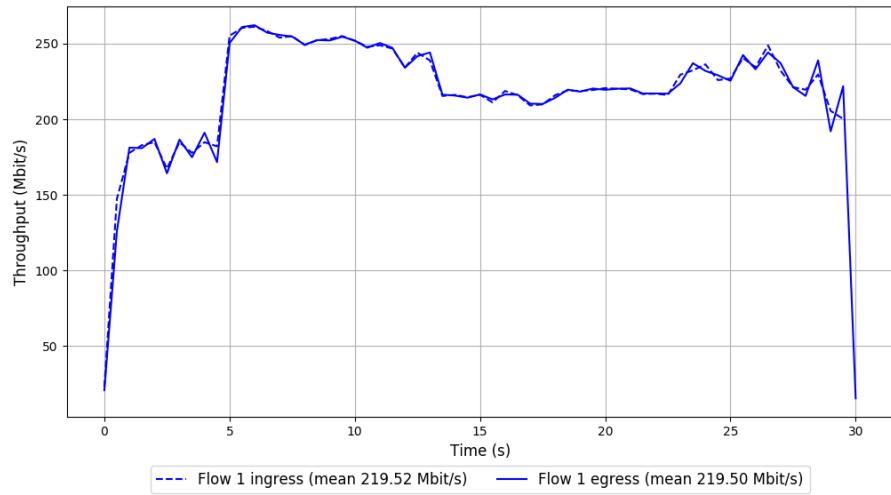
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-31 04:47:39

End at: 2018-01-31 04:48:09

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.50 Mbit/s
95th percentile per-packet one-way delay: 64.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.50 Mbit/s
95th percentile per-packet one-way delay: 64.024 ms
Loss rate: 0.00%
```

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



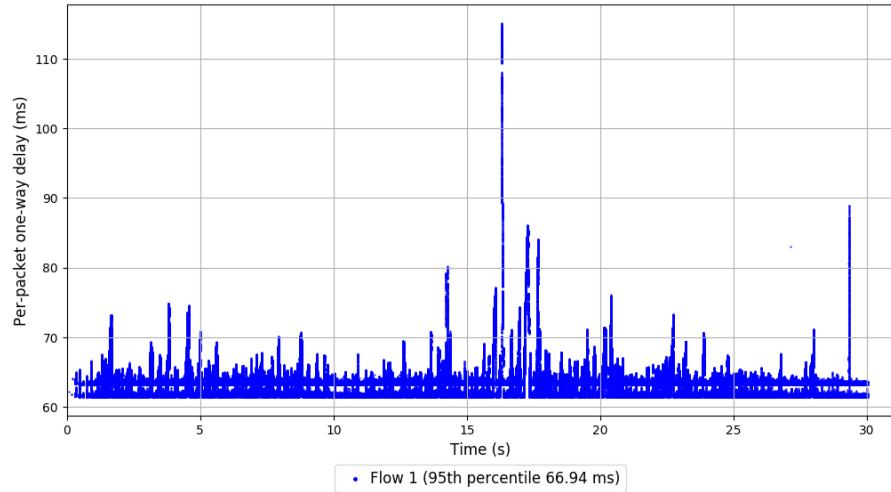
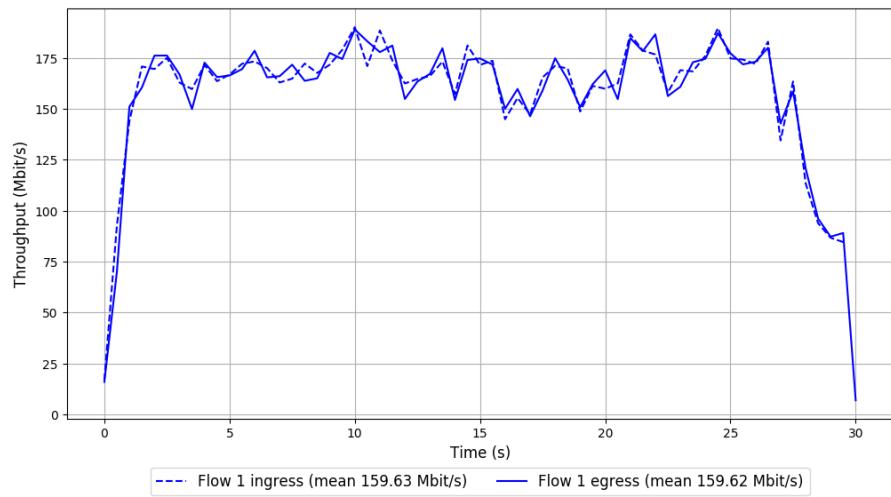
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-31 05:01:24

End at: 2018-01-31 05:01:54

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.62 Mbit/s
95th percentile per-packet one-way delay: 66.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.62 Mbit/s
95th percentile per-packet one-way delay: 66.945 ms
Loss rate: 0.00%
```

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



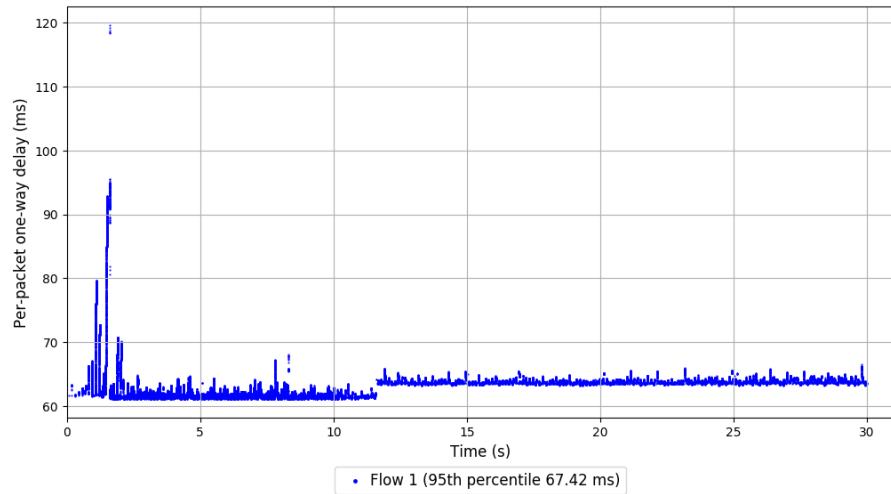
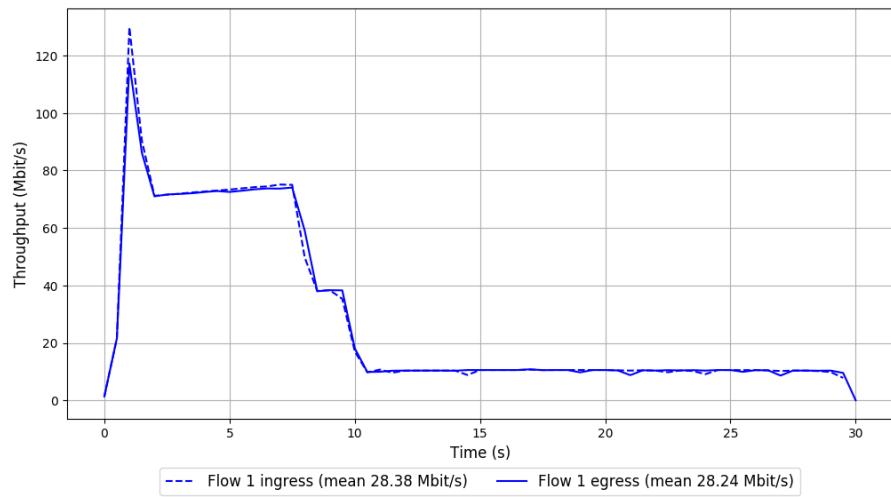
Run 1: Statistics of TCP Vegas

Start at: 2018-01-31 03:07:22

End at: 2018-01-31 03:07:52

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 67.417 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 67.417 ms
Loss rate: 0.47%
```

Run 1: Report of TCP Vegas — Data Link



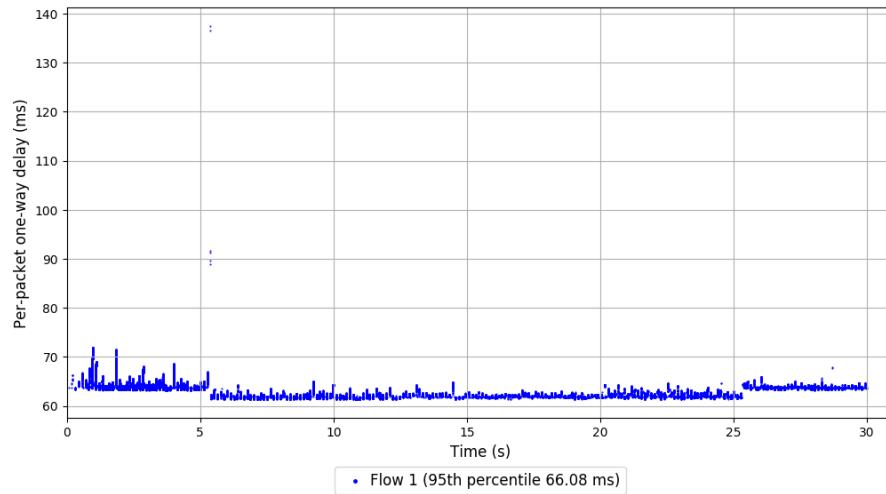
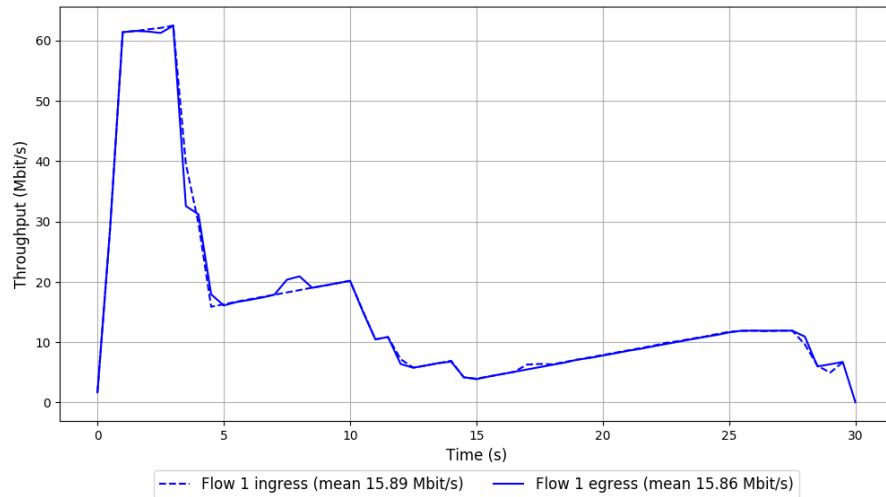
Run 2: Statistics of TCP Vegas

Start at: 2018-01-31 03:20:39

End at: 2018-01-31 03:21:09

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 66.080 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 66.080 ms
Loss rate: 0.18%
```

Run 2: Report of TCP Vegas — Data Link



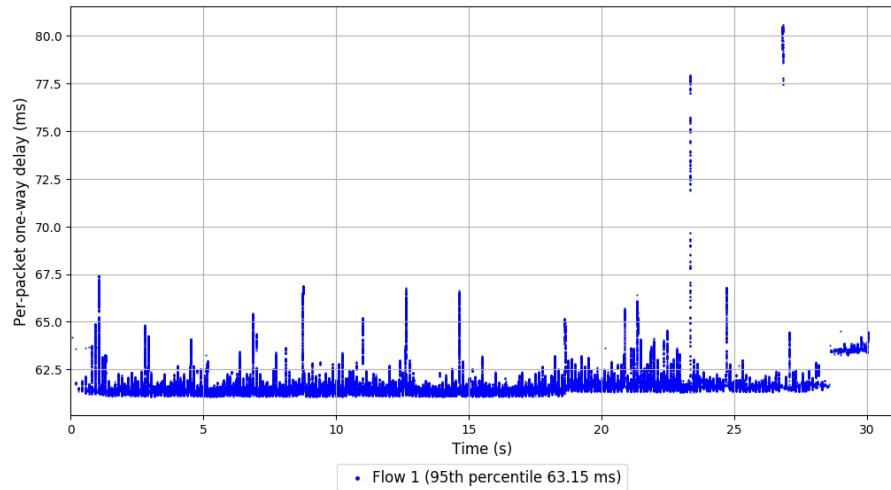
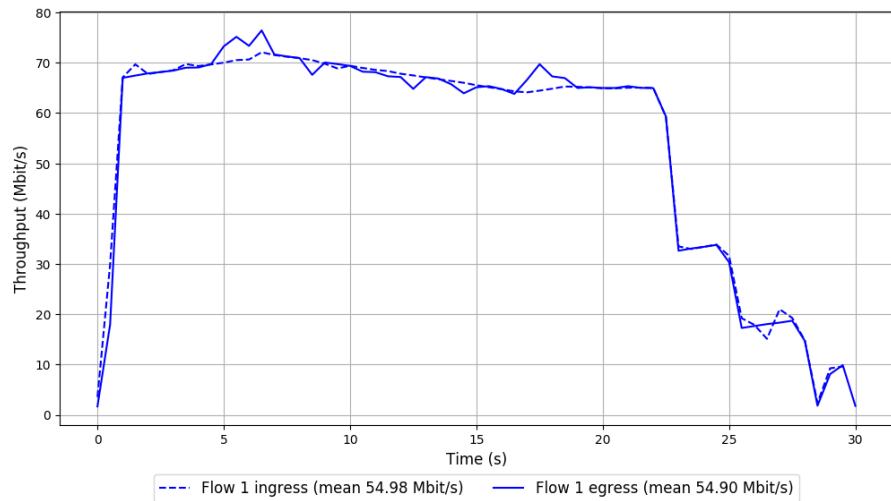
Run 3: Statistics of TCP Vegas

Start at: 2018-01-31 03:34:15

End at: 2018-01-31 03:34:45

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 63.150 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 63.150 ms
Loss rate: 0.14%
```

Run 3: Report of TCP Vegas — Data Link



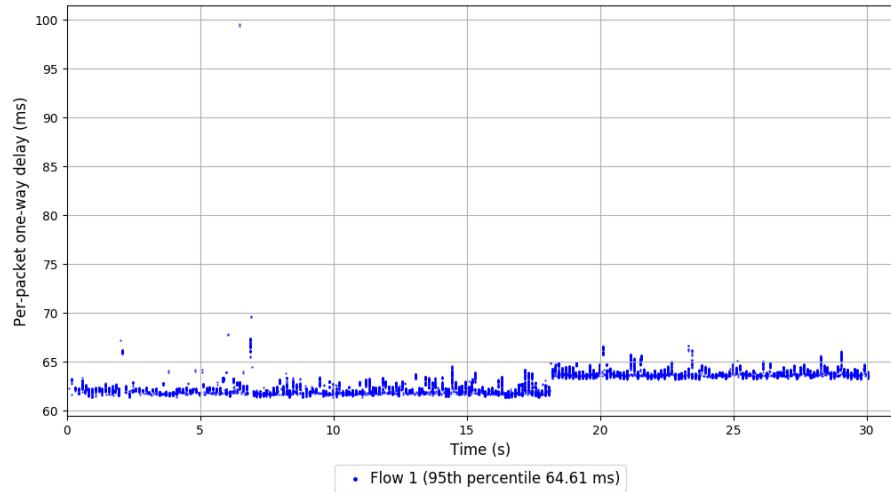
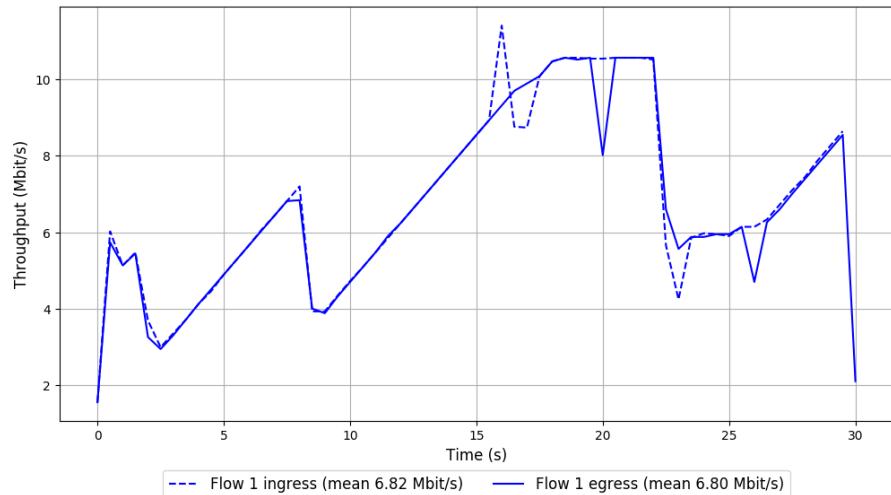
Run 4: Statistics of TCP Vegas

Start at: 2018-01-31 03:47:46

End at: 2018-01-31 03:48:16

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 64.615 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 64.615 ms
Loss rate: 0.33%
```

Run 4: Report of TCP Vegas — Data Link



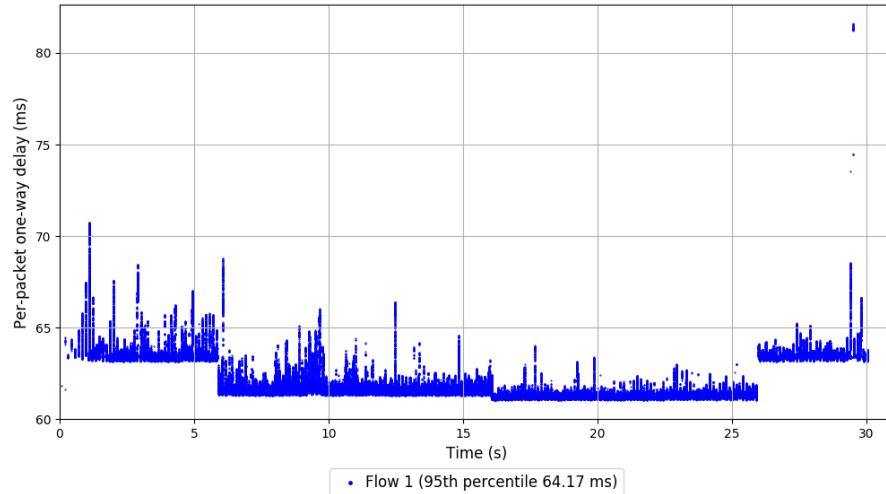
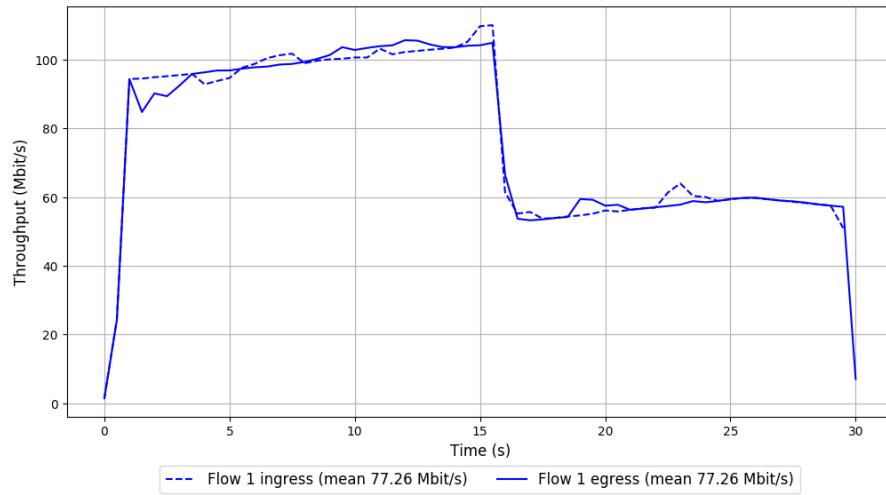
Run 5: Statistics of TCP Vegas

Start at: 2018-01-31 04:00:58

End at: 2018-01-31 04:01:28

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.26 Mbit/s
95th percentile per-packet one-way delay: 64.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.26 Mbit/s
95th percentile per-packet one-way delay: 64.168 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link



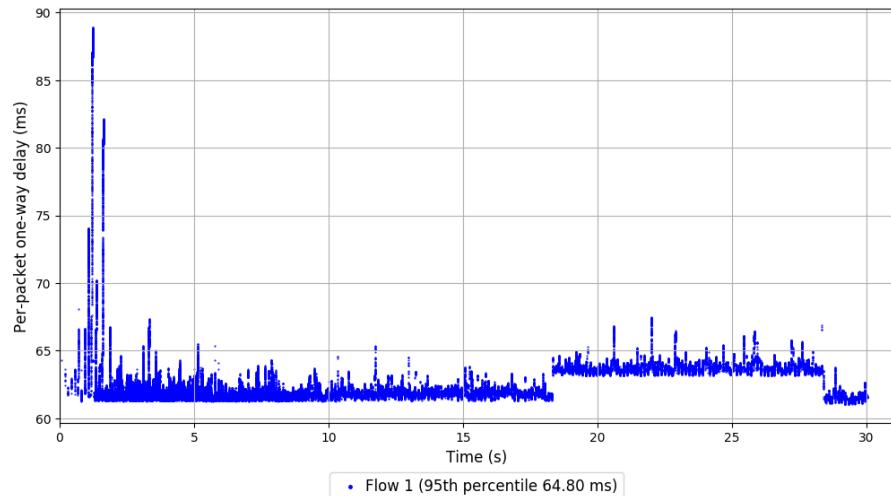
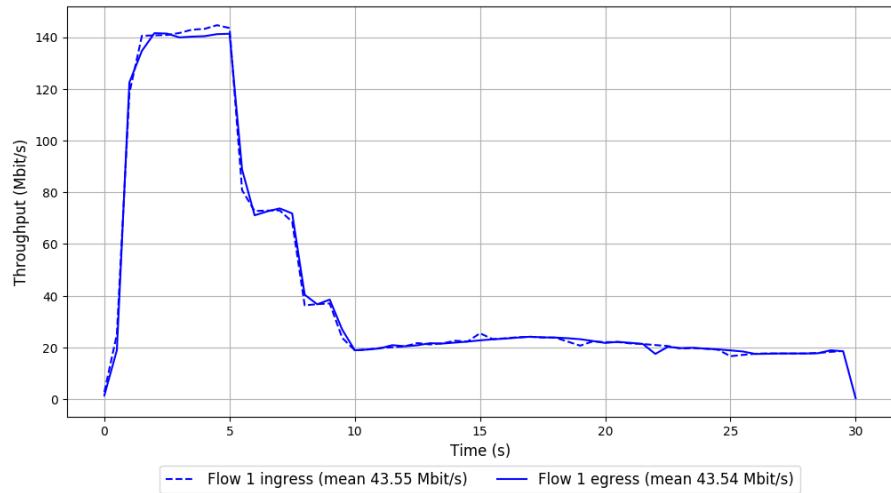
Run 6: Statistics of TCP Vegas

Start at: 2018-01-31 04:14:15

End at: 2018-01-31 04:14:46

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.54 Mbit/s
95th percentile per-packet one-way delay: 64.796 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.54 Mbit/s
95th percentile per-packet one-way delay: 64.796 ms
Loss rate: 0.02%
```

Run 6: Report of TCP Vegas — Data Link



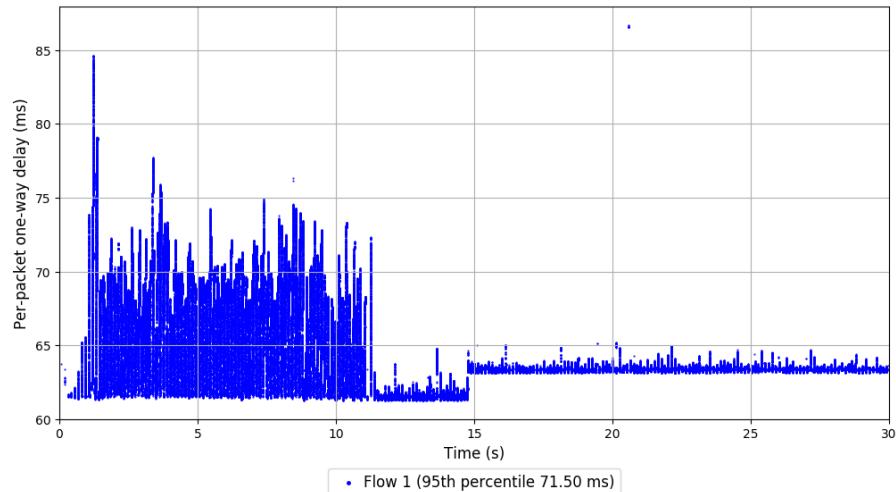
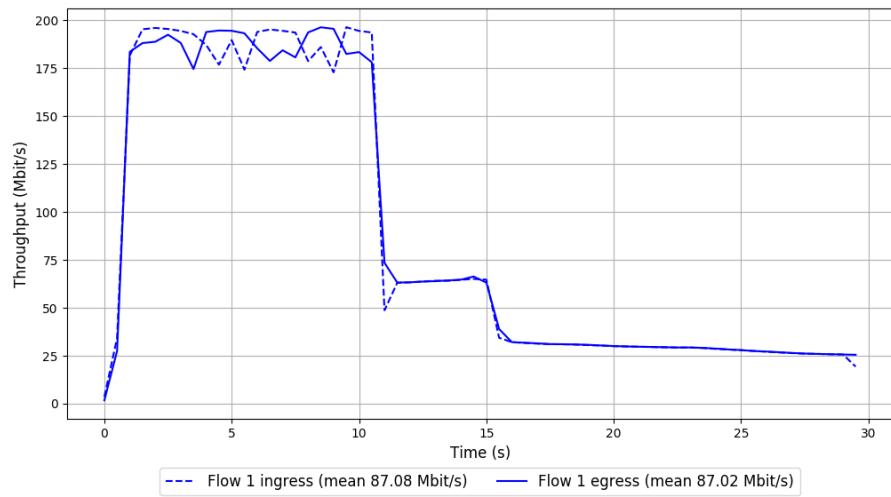
Run 7: Statistics of TCP Vegas

Start at: 2018-01-31 04:27:19

End at: 2018-01-31 04:27:49

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 71.498 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 71.498 ms
Loss rate: 0.07%
```

Run 7: Report of TCP Vegas — Data Link



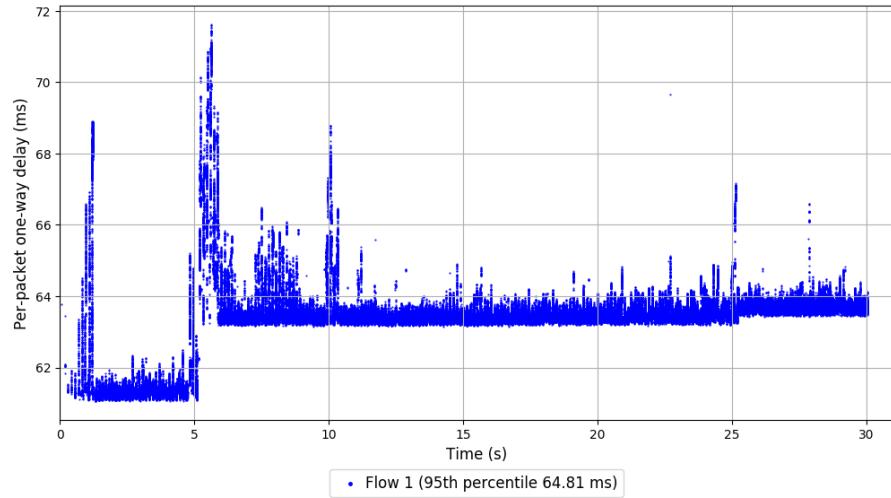
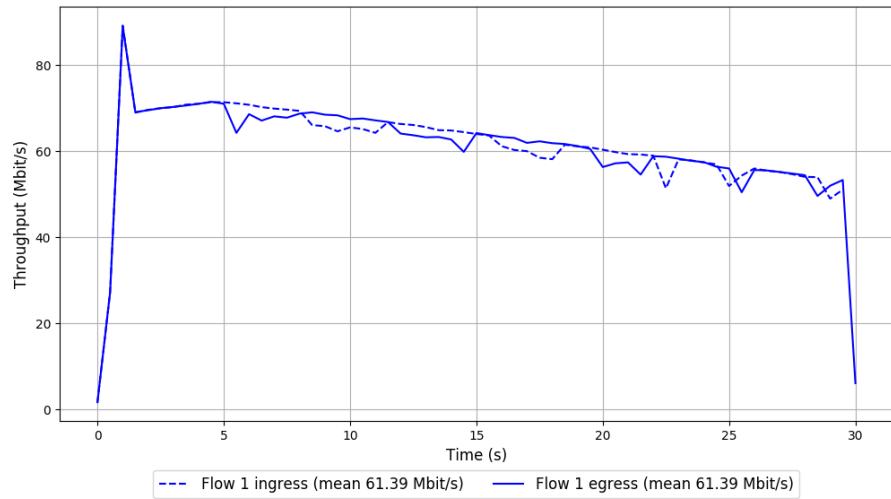
Run 8: Statistics of TCP Vegas

Start at: 2018-01-31 04:40:49

End at: 2018-01-31 04:41:19

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 64.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 64.813 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link



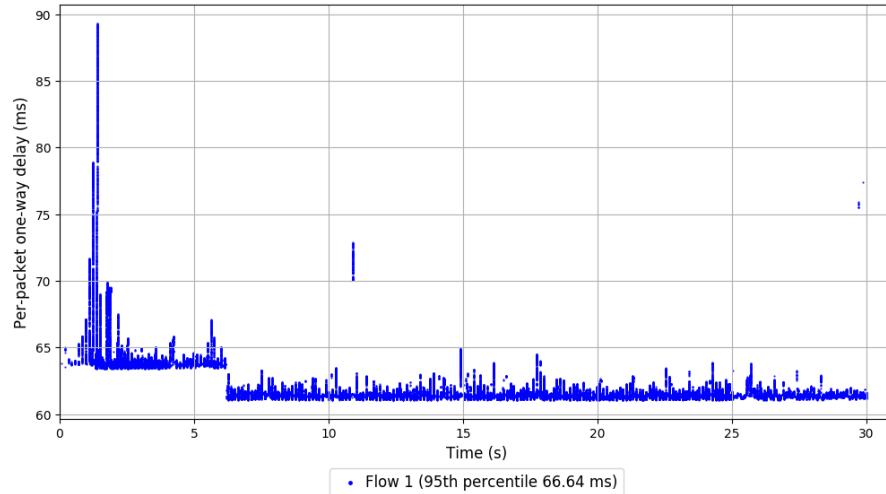
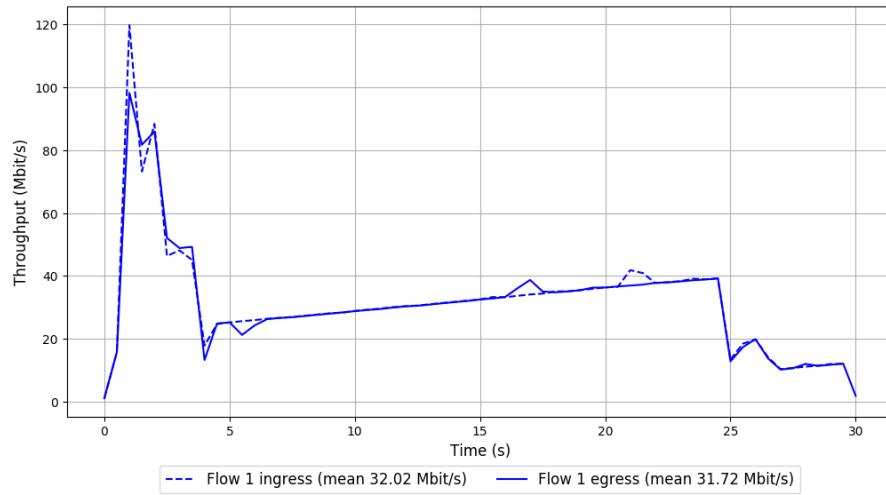
Run 9: Statistics of TCP Vegas

Start at: 2018-01-31 04:54:28

End at: 2018-01-31 04:54:58

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 66.639 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 66.639 ms
Loss rate: 0.96%
```

Run 9: Report of TCP Vegas — Data Link



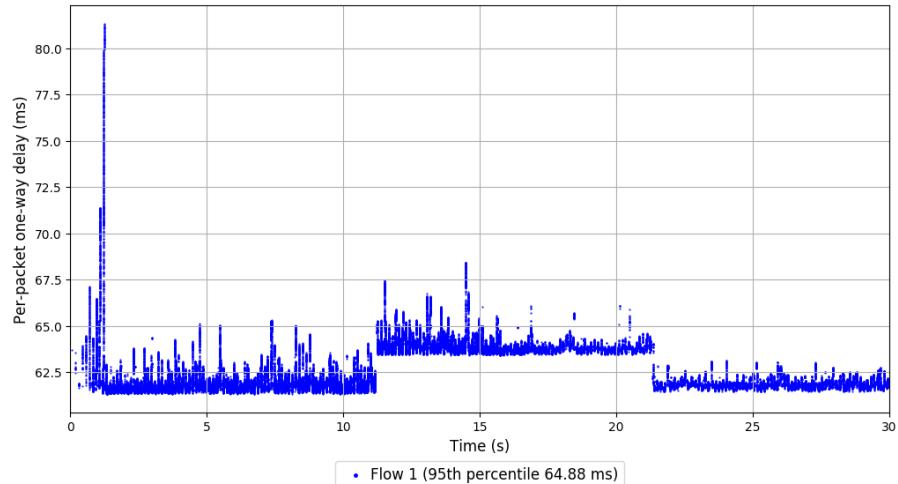
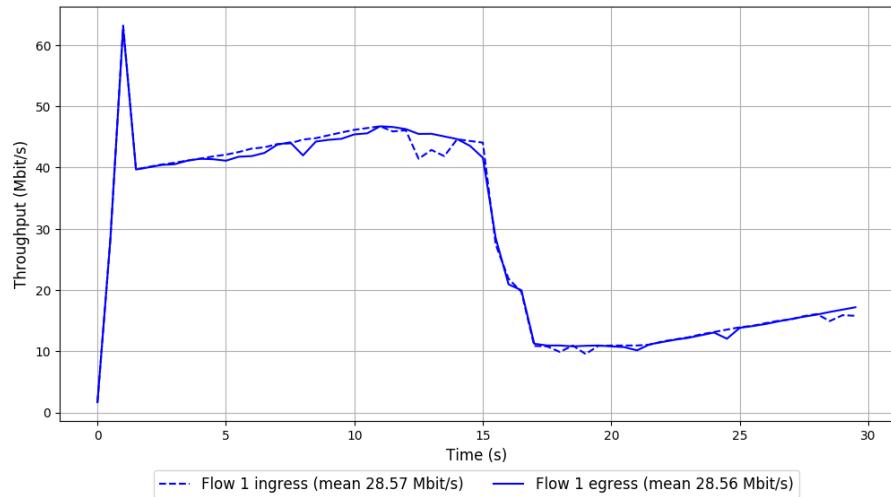
Run 10: Statistics of TCP Vegas

Start at: 2018-01-31 05:07:53

End at: 2018-01-31 05:08:23

```
# Below is generated by plot.py at 2018-01-31 06:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 64.876 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 64.876 ms
Loss rate: 0.03%
```

Run 10: Report of TCP Vegas — Data Link



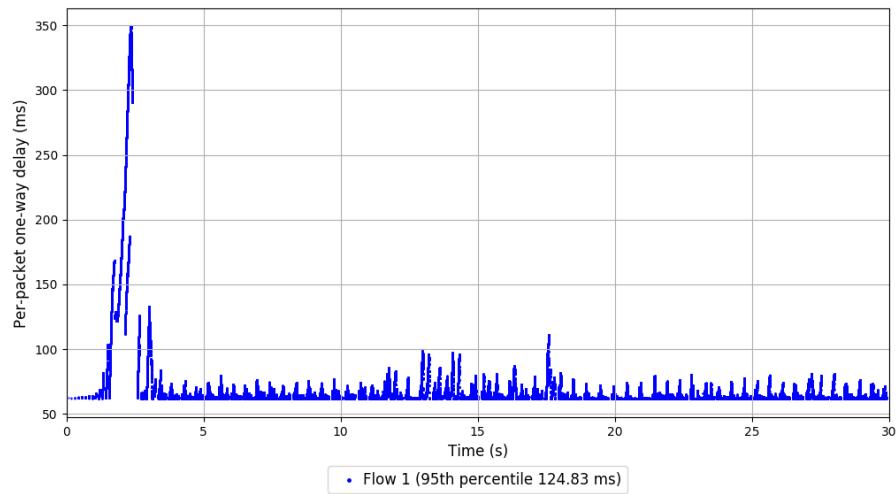
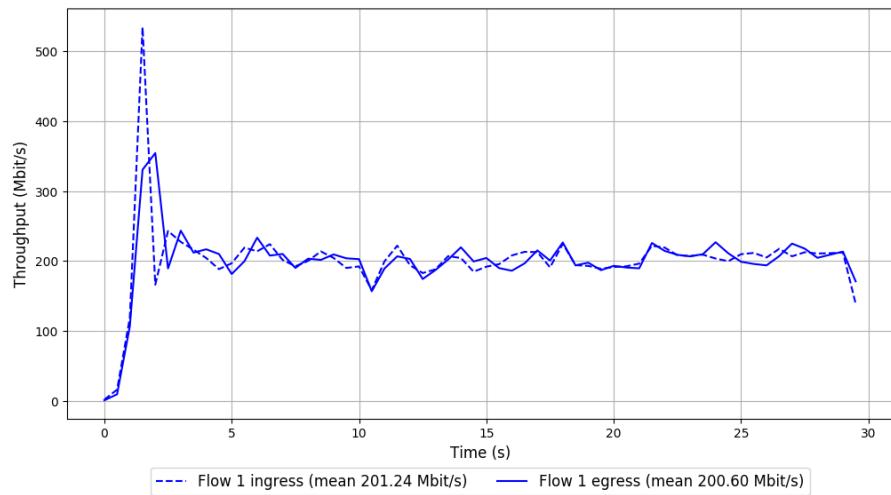
Run 1: Statistics of Verus

Start at: 2018-01-31 03:01:58

End at: 2018-01-31 03:02:28

```
# Below is generated by plot.py at 2018-01-31 06:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.60 Mbit/s
95th percentile per-packet one-way delay: 124.834 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 200.60 Mbit/s
95th percentile per-packet one-way delay: 124.834 ms
Loss rate: 0.32%
```

Run 1: Report of Verus — Data Link



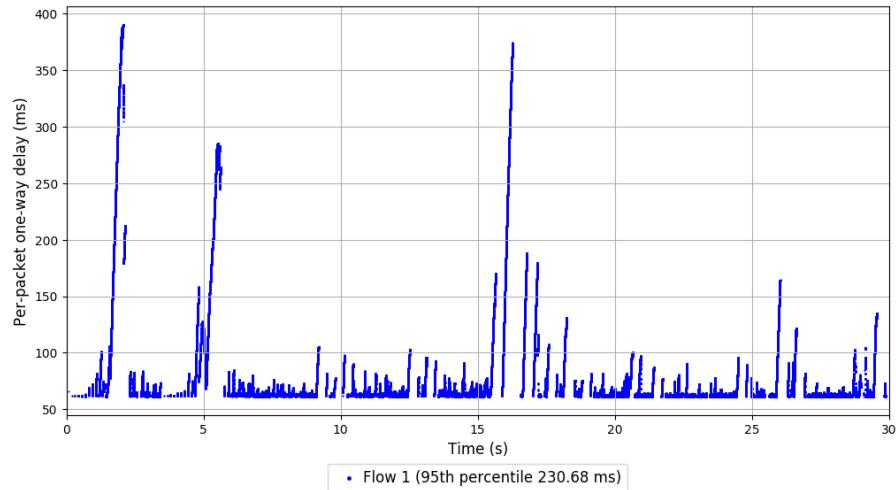
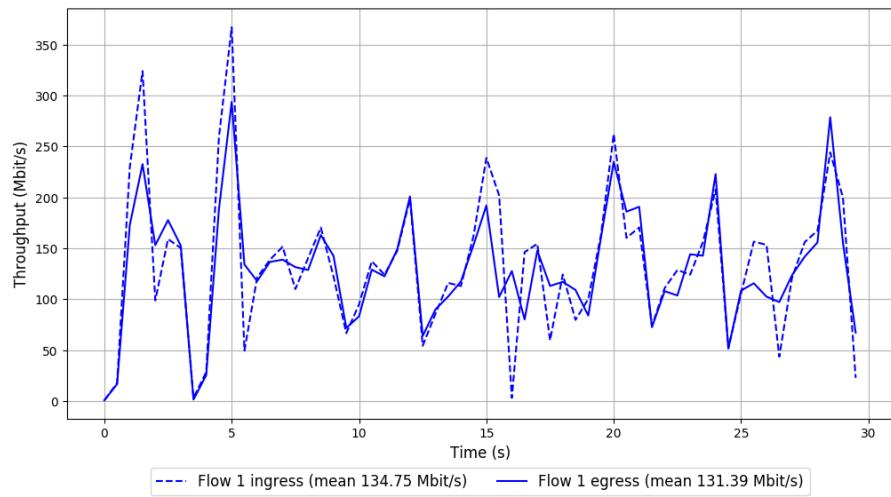
Run 2: Statistics of Verus

Start at: 2018-01-31 03:15:28

End at: 2018-01-31 03:15:58

```
# Below is generated by plot.py at 2018-01-31 06:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.39 Mbit/s
95th percentile per-packet one-way delay: 230.680 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 131.39 Mbit/s
95th percentile per-packet one-way delay: 230.680 ms
Loss rate: 2.51%
```

Run 2: Report of Verus — Data Link



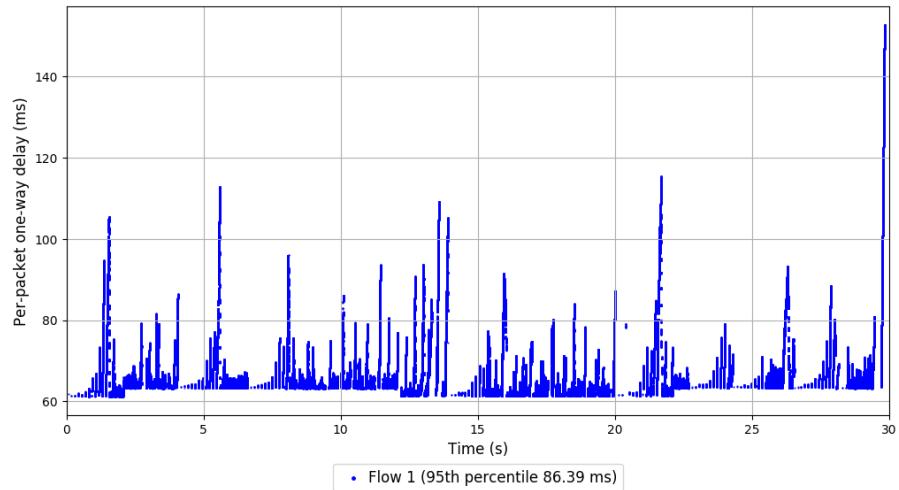
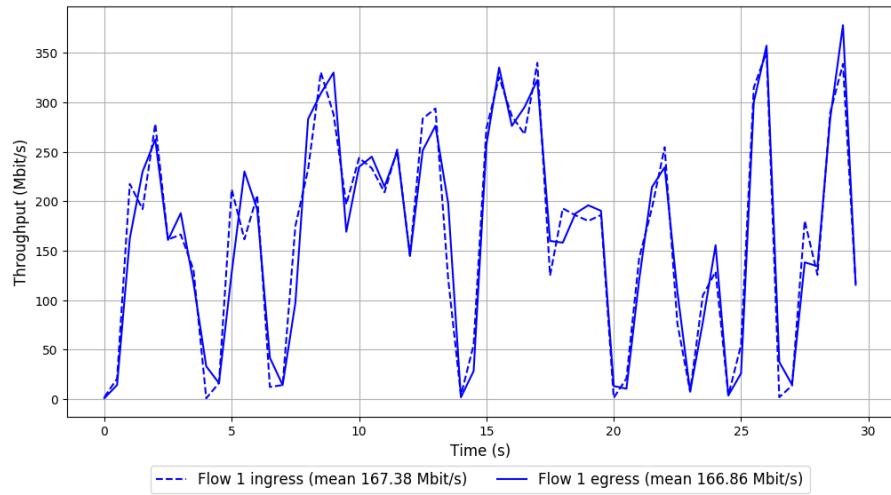
Run 3: Statistics of Verus

Start at: 2018-01-31 03:28:52

End at: 2018-01-31 03:29:22

```
# Below is generated by plot.py at 2018-01-31 06:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.86 Mbit/s
95th percentile per-packet one-way delay: 86.388 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 166.86 Mbit/s
95th percentile per-packet one-way delay: 86.388 ms
Loss rate: 0.01%
```

Run 3: Report of Verus — Data Link



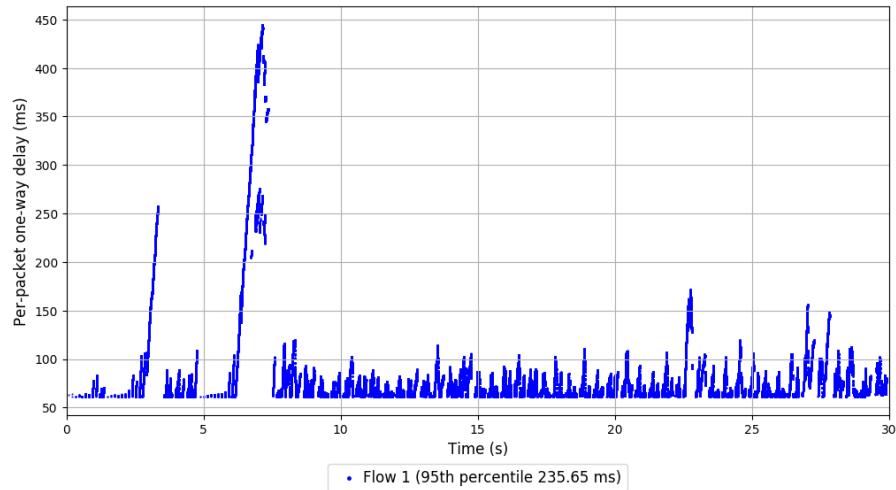
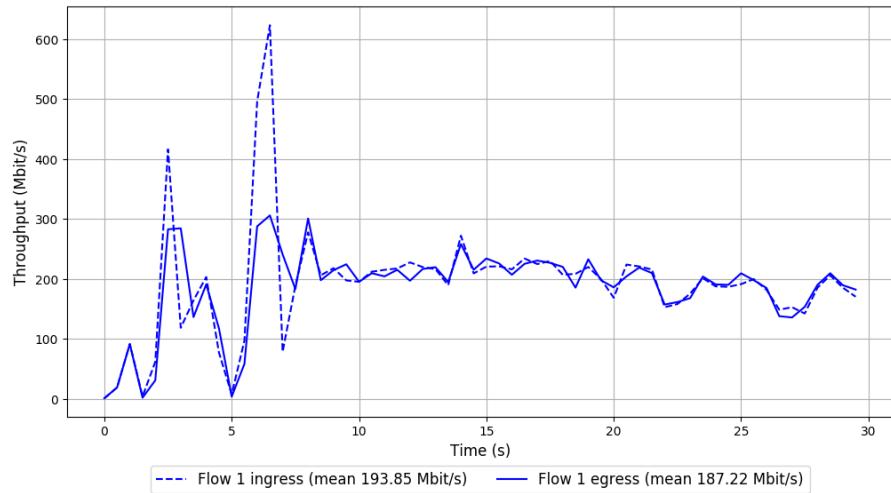
Run 4: Statistics of Verus

Start at: 2018-01-31 03:42:35

End at: 2018-01-31 03:43:05

```
# Below is generated by plot.py at 2018-01-31 06:37:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.22 Mbit/s
95th percentile per-packet one-way delay: 235.646 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 187.22 Mbit/s
95th percentile per-packet one-way delay: 235.646 ms
Loss rate: 3.38%
```

Run 4: Report of Verus — Data Link



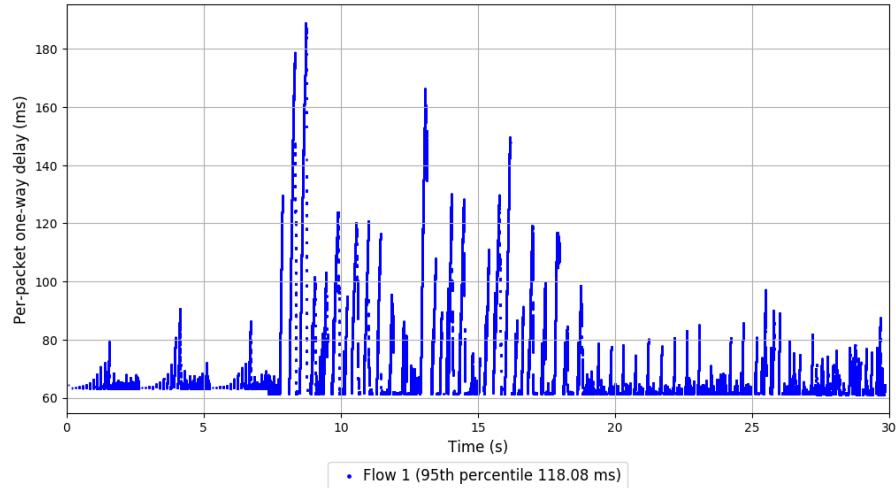
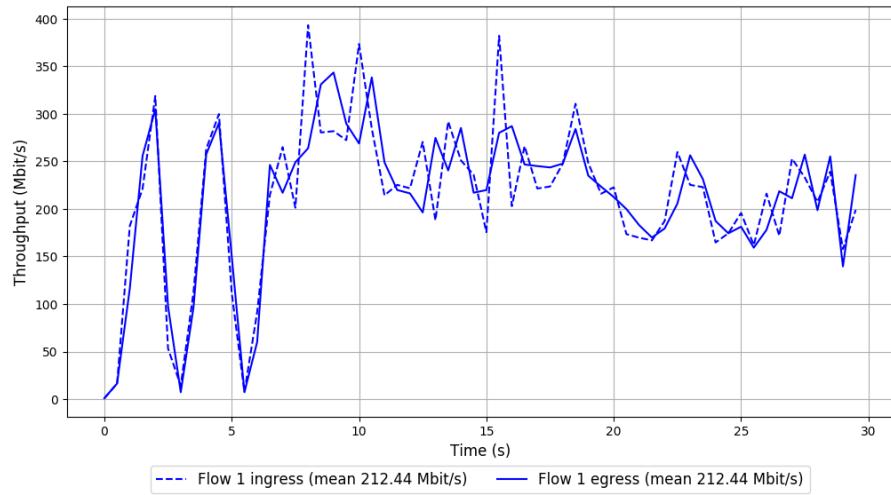
Run 5: Statistics of Verus

Start at: 2018-01-31 03:55:46

End at: 2018-01-31 03:56:16

```
# Below is generated by plot.py at 2018-01-31 06:38:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.44 Mbit/s
95th percentile per-packet one-way delay: 118.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.44 Mbit/s
95th percentile per-packet one-way delay: 118.081 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link



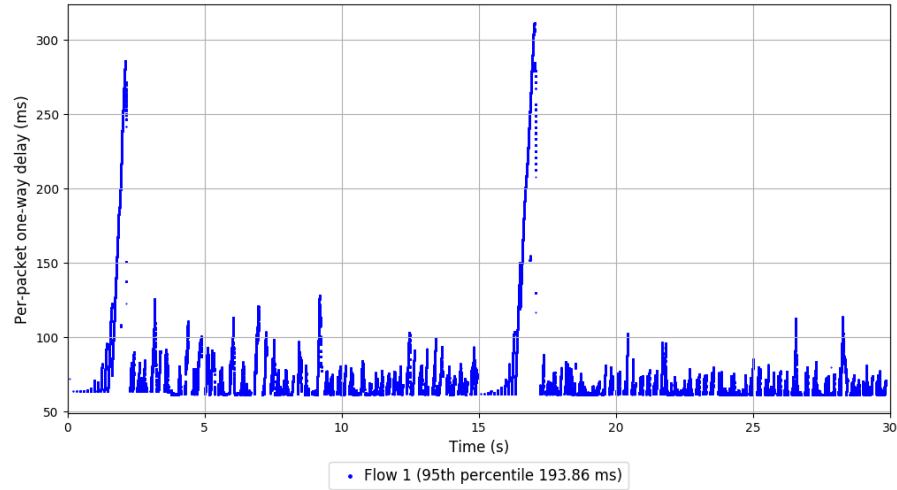
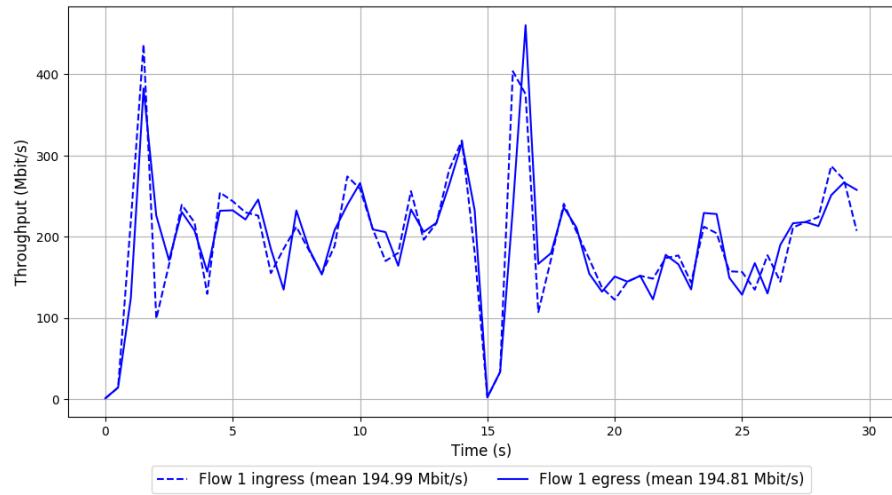
Run 6: Statistics of Verus

Start at: 2018-01-31 04:09:20

End at: 2018-01-31 04:09:50

```
# Below is generated by plot.py at 2018-01-31 06:38:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.81 Mbit/s
95th percentile per-packet one-way delay: 193.860 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 194.81 Mbit/s
95th percentile per-packet one-way delay: 193.860 ms
Loss rate: 0.11%
```

Run 6: Report of Verus — Data Link



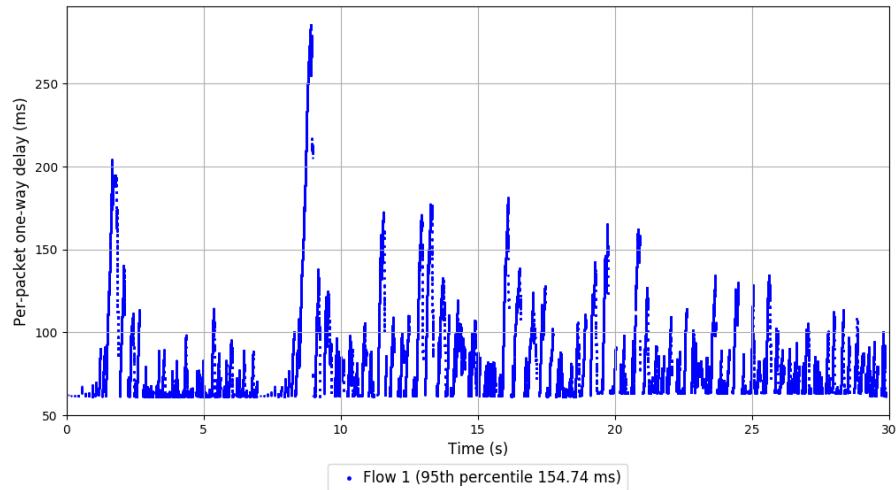
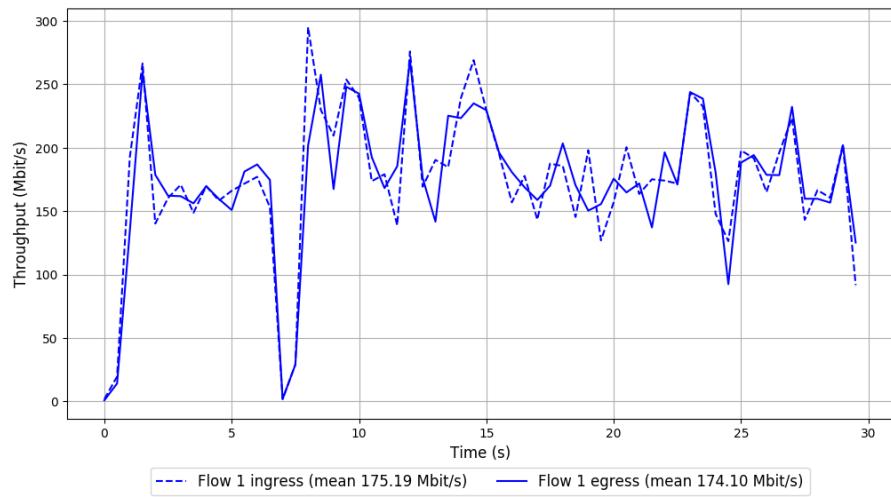
Run 7: Statistics of Verus

Start at: 2018-01-31 04:22:24

End at: 2018-01-31 04:22:54

```
# Below is generated by plot.py at 2018-01-31 06:39:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.10 Mbit/s
95th percentile per-packet one-way delay: 154.740 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 174.10 Mbit/s
95th percentile per-packet one-way delay: 154.740 ms
Loss rate: 0.62%
```

Run 7: Report of Verus — Data Link



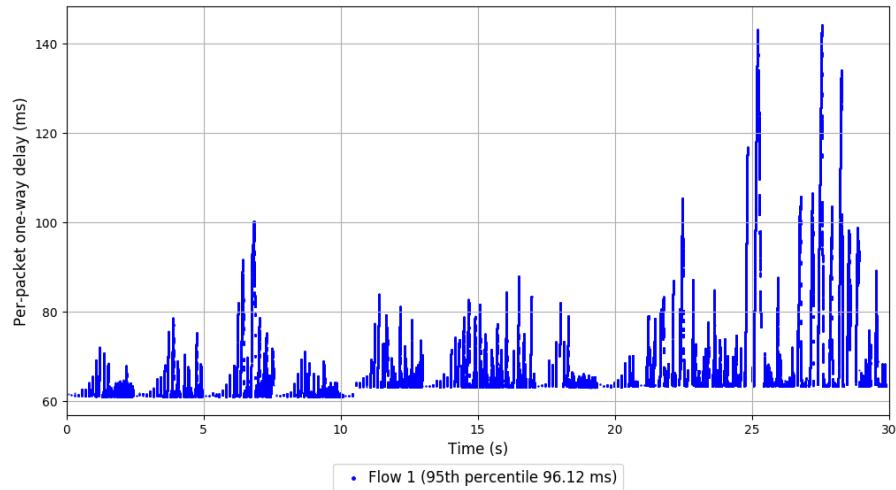
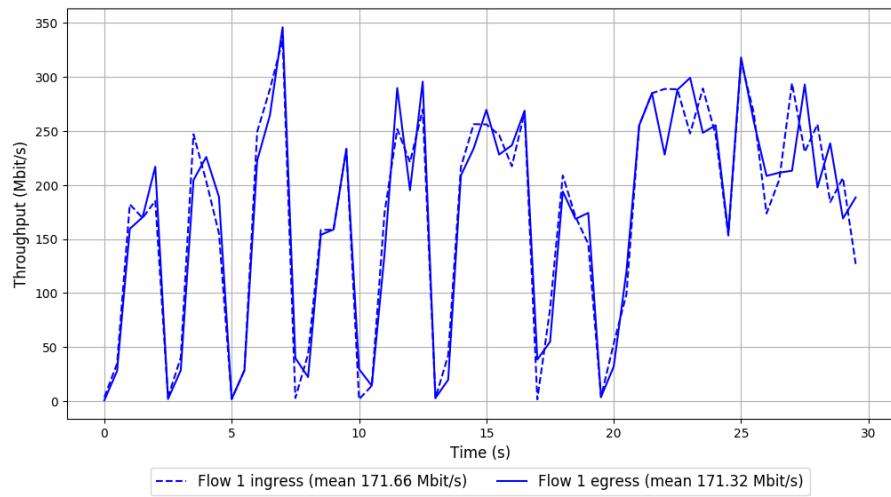
Run 8: Statistics of Verus

Start at: 2018-01-31 04:35:53

End at: 2018-01-31 04:36:23

```
# Below is generated by plot.py at 2018-01-31 06:39:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.32 Mbit/s
95th percentile per-packet one-way delay: 96.122 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 171.32 Mbit/s
95th percentile per-packet one-way delay: 96.122 ms
Loss rate: 0.20%
```

Run 8: Report of Verus — Data Link



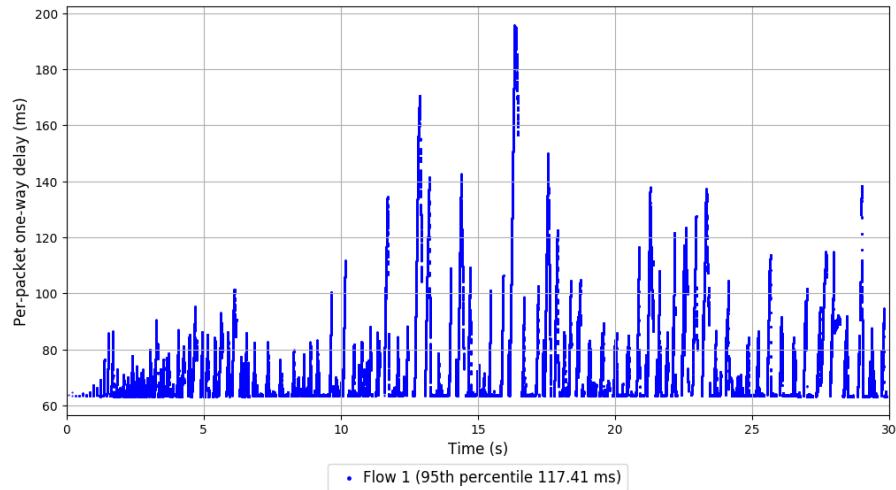
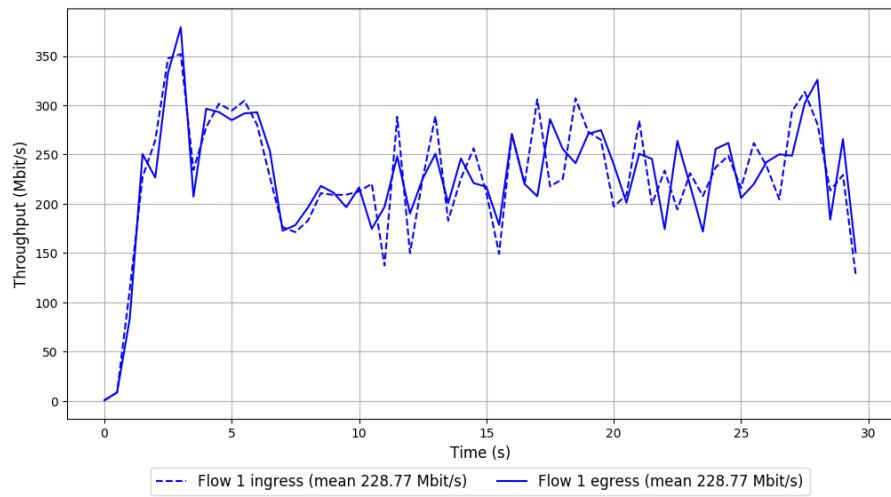
Run 9: Statistics of Verus

Start at: 2018-01-31 04:49:17

End at: 2018-01-31 04:49:47

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.77 Mbit/s
95th percentile per-packet one-way delay: 117.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.77 Mbit/s
95th percentile per-packet one-way delay: 117.411 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link



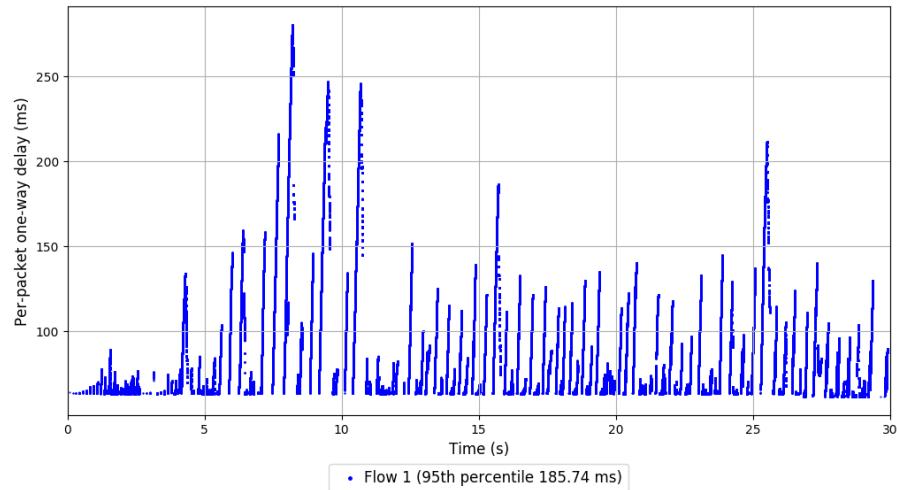
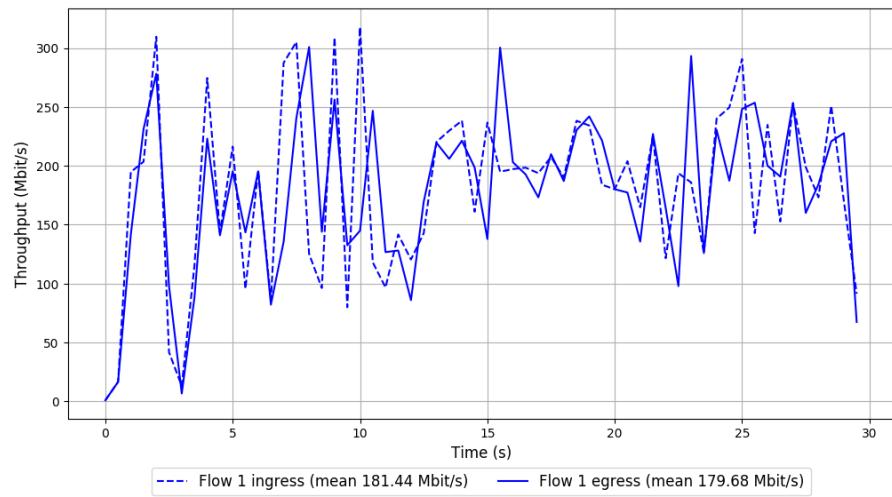
Run 10: Statistics of Verus

Start at: 2018-01-31 05:02:57

End at: 2018-01-31 05:03:27

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.68 Mbit/s
95th percentile per-packet one-way delay: 185.735 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 179.68 Mbit/s
95th percentile per-packet one-way delay: 185.735 ms
Loss rate: 0.92%
```

Run 10: Report of Verus — Data Link



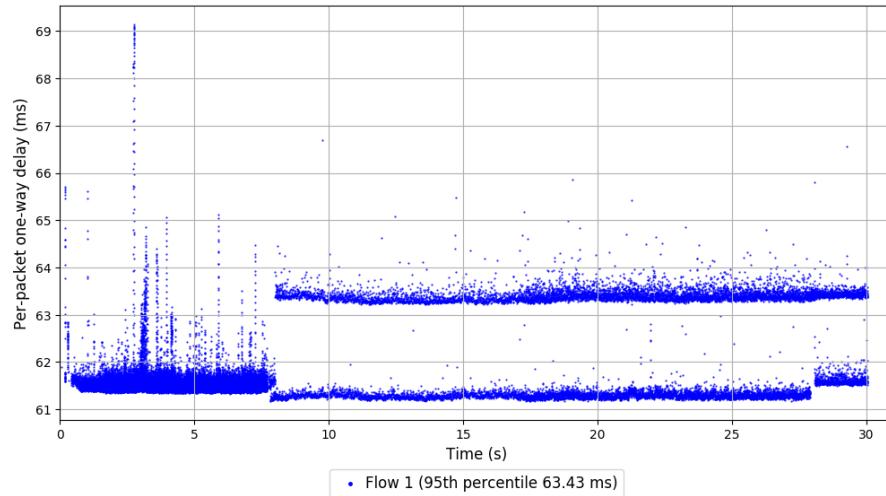
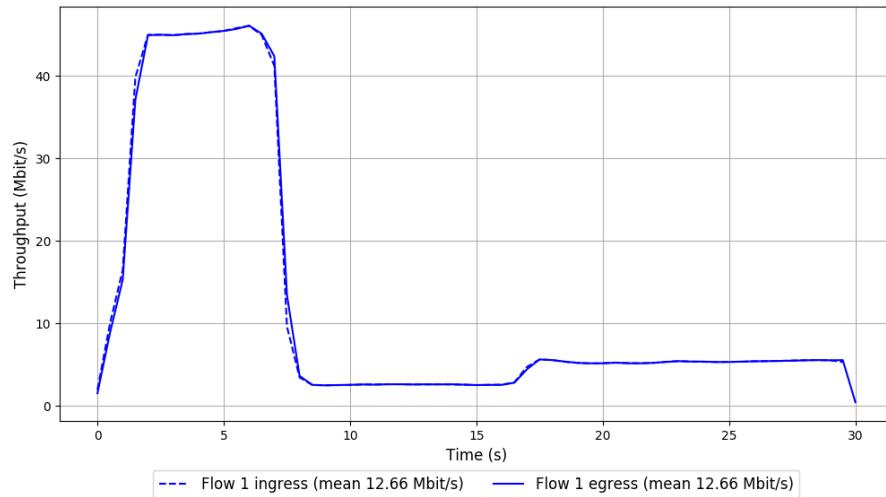
Run 1: Statistics of Copa

Start at: 2018-01-31 03:11:46

End at: 2018-01-31 03:12:16

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 63.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 63.427 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



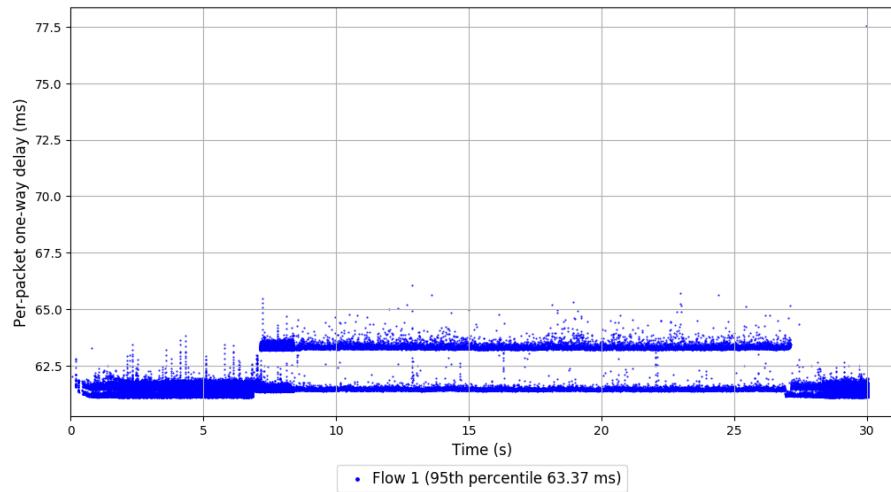
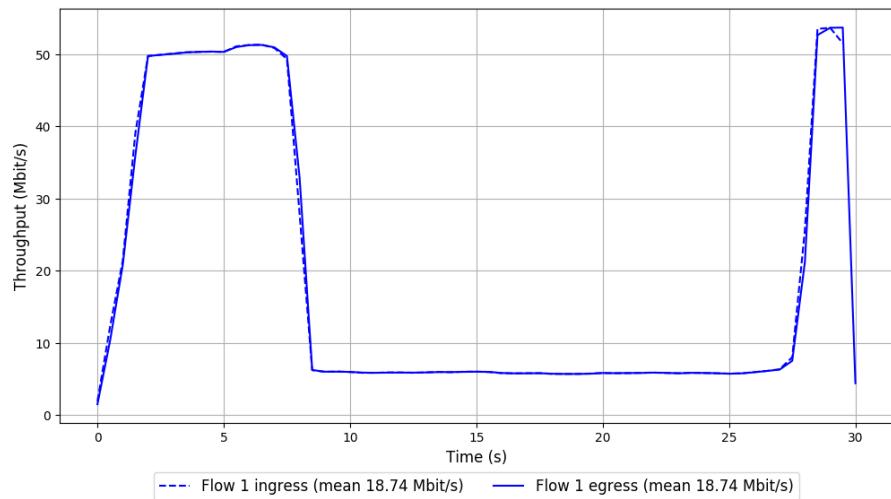
Run 2: Statistics of Copa

Start at: 2018-01-31 03:24:57

End at: 2018-01-31 03:25:27

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 63.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 63.371 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link



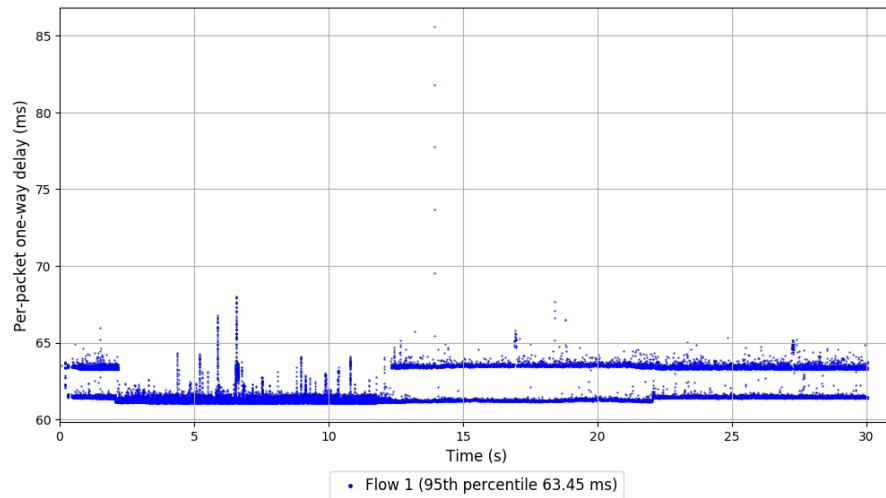
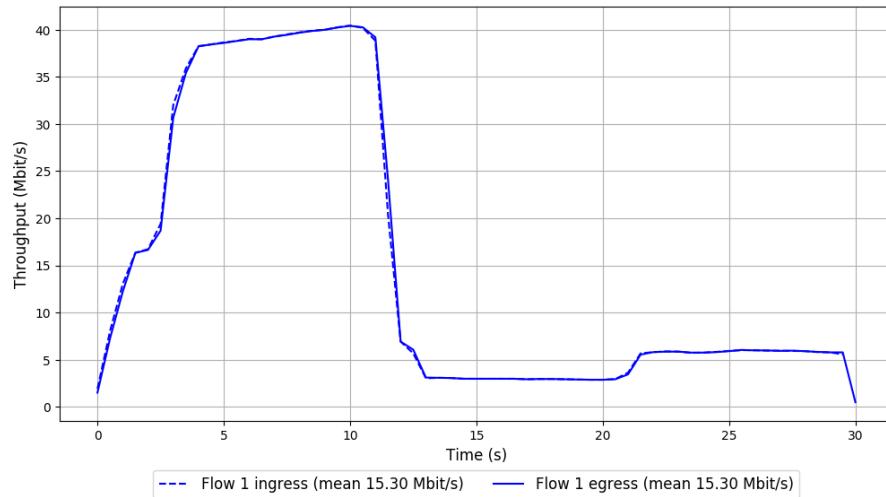
Run 3: Statistics of Copa

Start at: 2018-01-31 03:38:42

End at: 2018-01-31 03:39:12

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 63.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 63.449 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link



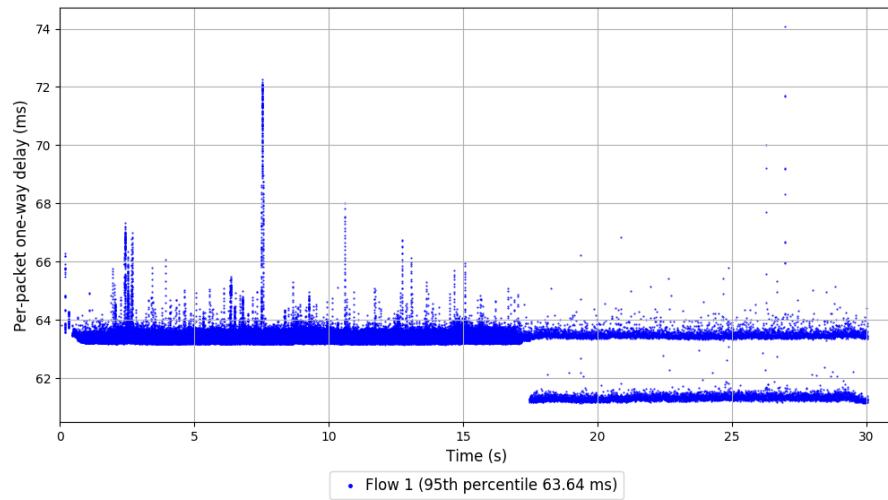
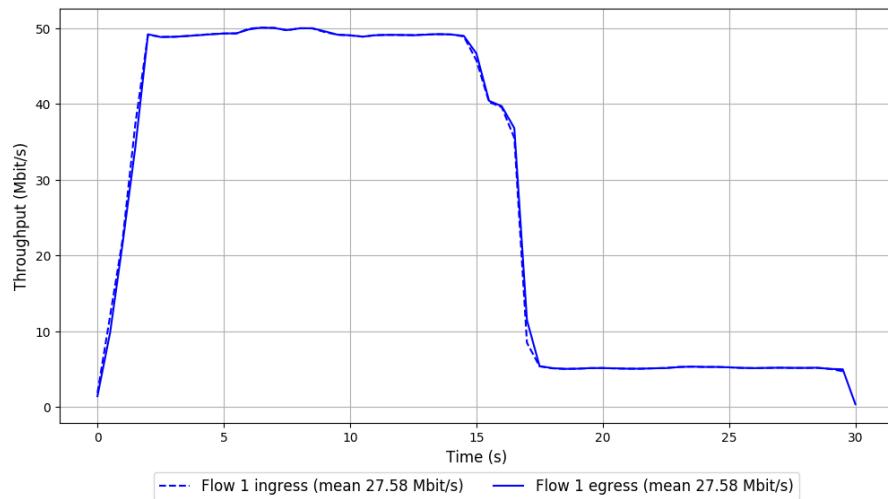
Run 4: Statistics of Copa

Start at: 2018-01-31 03:52:06

End at: 2018-01-31 03:52:36

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 63.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 63.641 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link



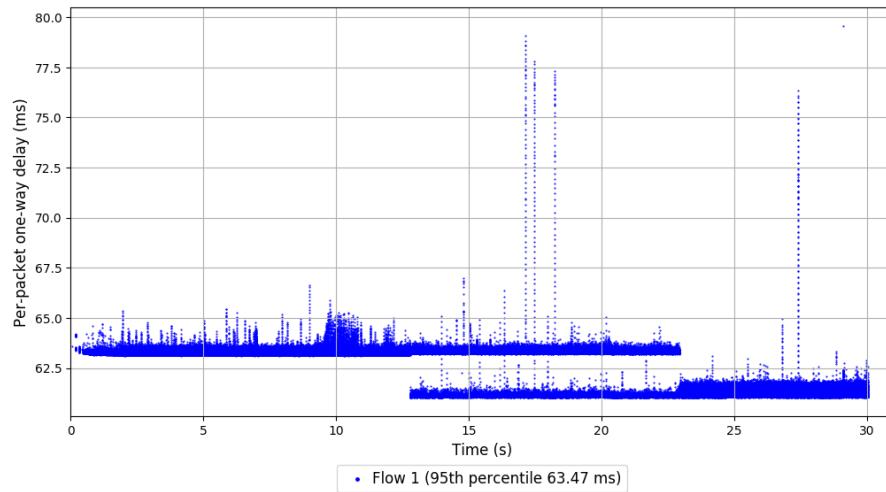
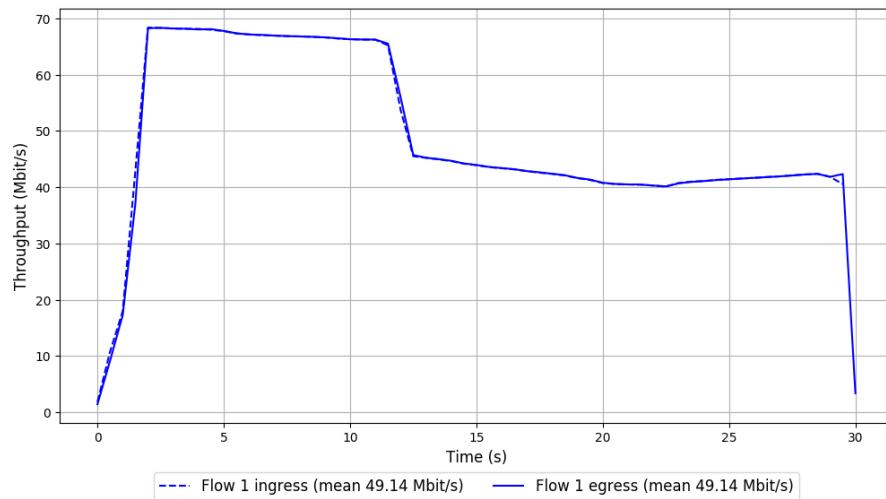
Run 5: Statistics of Copa

Start at: 2018-01-31 04:05:21

End at: 2018-01-31 04:05:51

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 63.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 63.474 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link



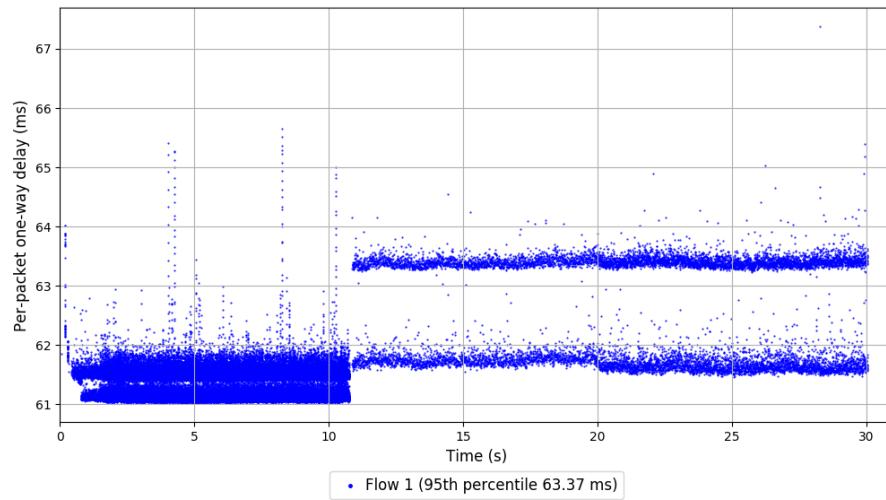
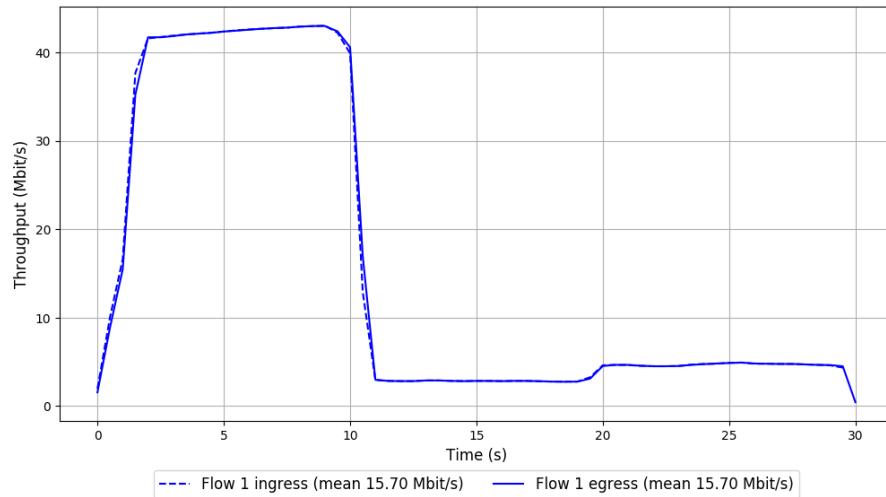
Run 6: Statistics of Copa

Start at: 2018-01-31 04:18:43

End at: 2018-01-31 04:19:13

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 63.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 63.374 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

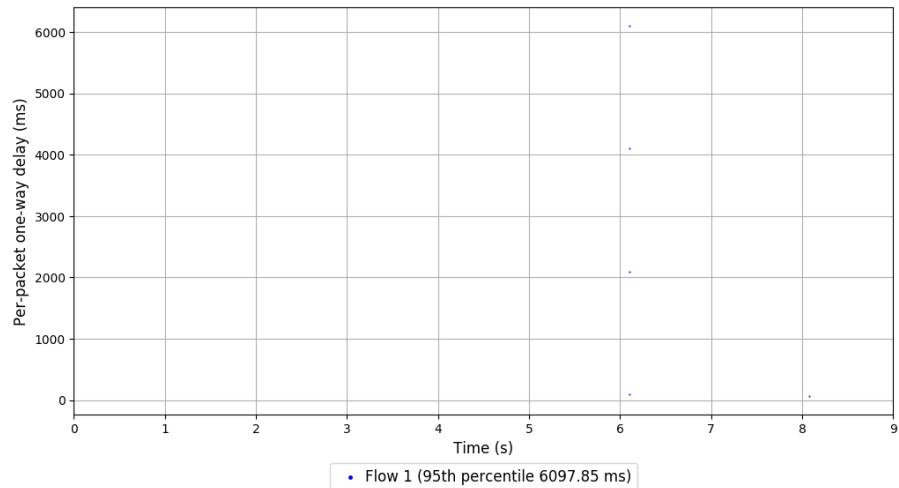
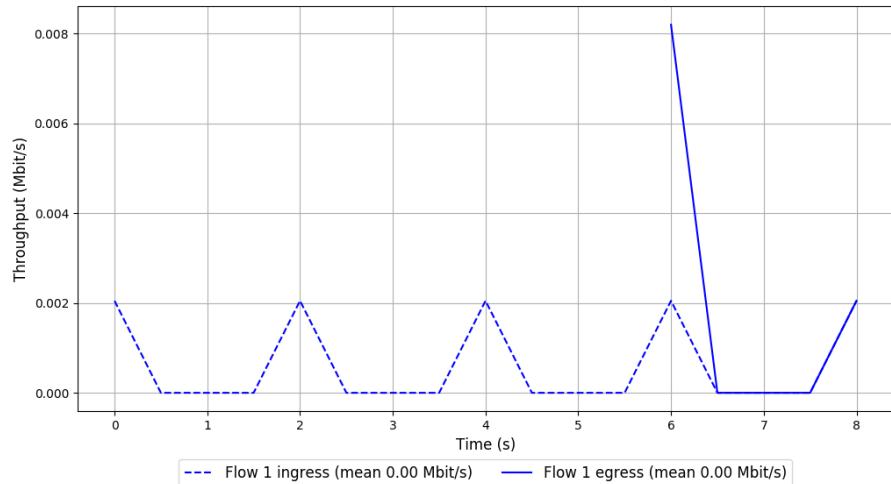


Run 7: Statistics of Copa

Start at: 2018-01-31 04:32:00

End at: 2018-01-31 04:32:30

Run 7: Report of Copa — Data Link



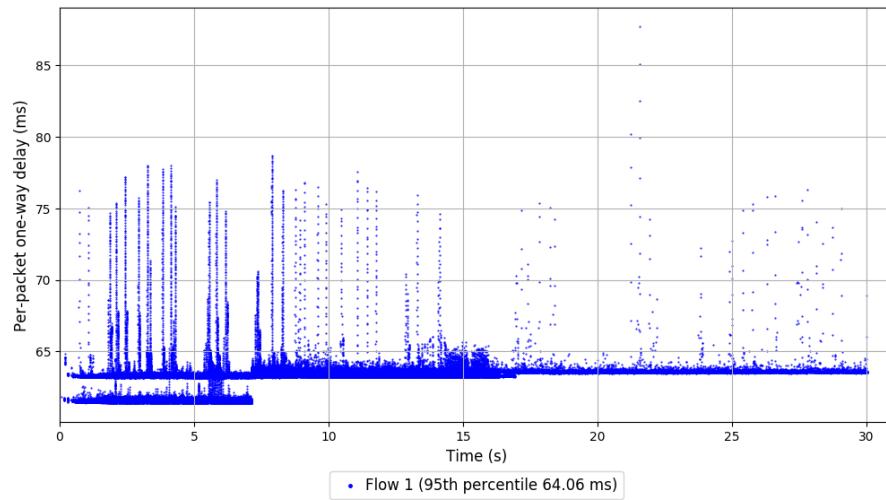
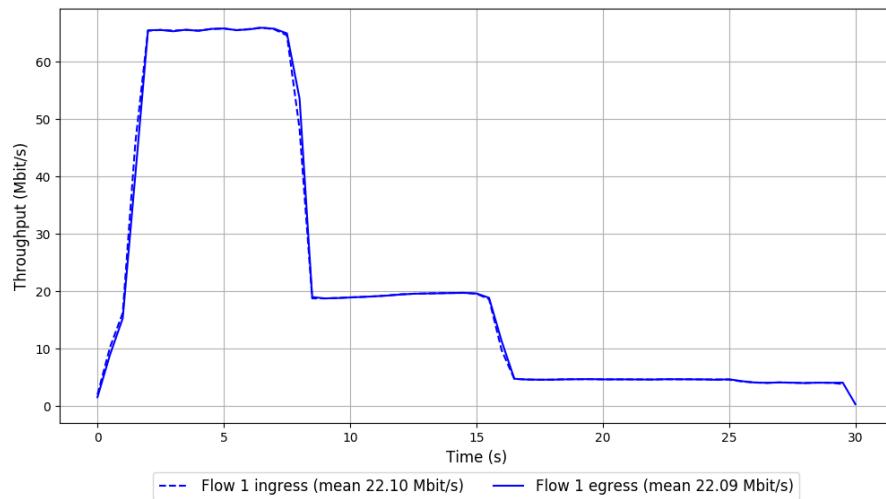
Run 8: Statistics of Copa

Start at: 2018-01-31 04:45:17

End at: 2018-01-31 04:45:47

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 64.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 64.056 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link



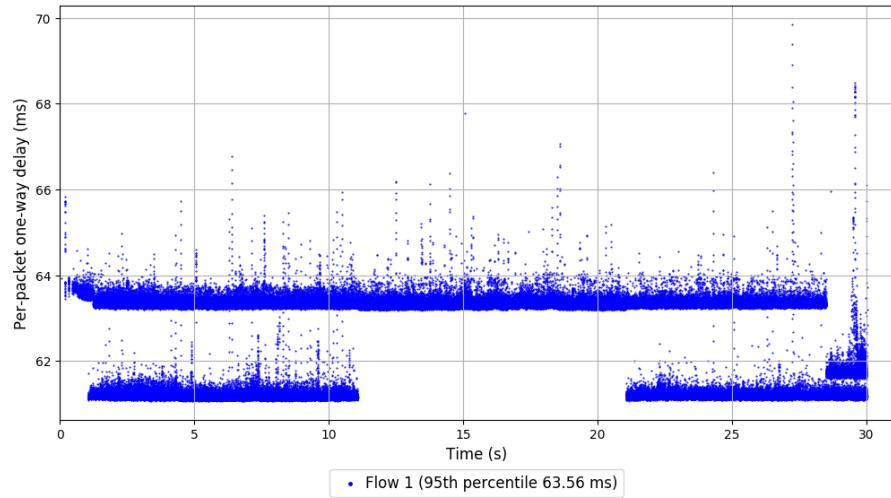
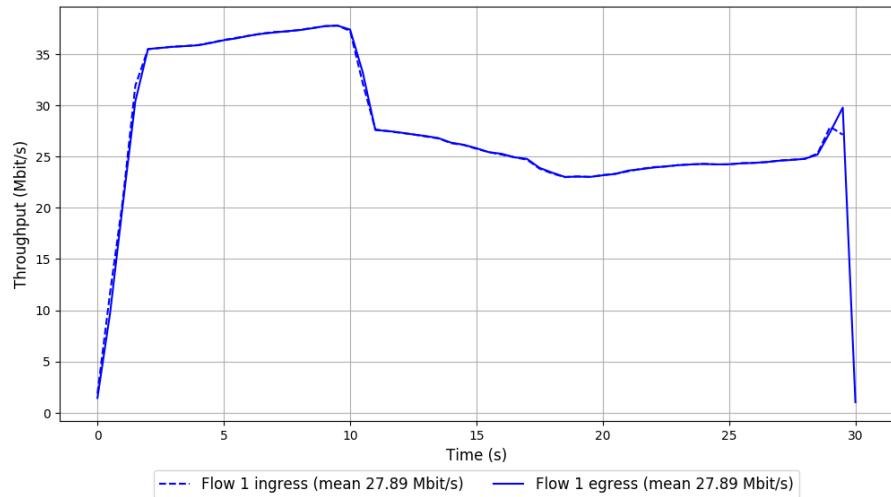
Run 9: Statistics of Copa

Start at: 2018-01-31 04:59:03

End at: 2018-01-31 04:59:33

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 63.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 63.557 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link



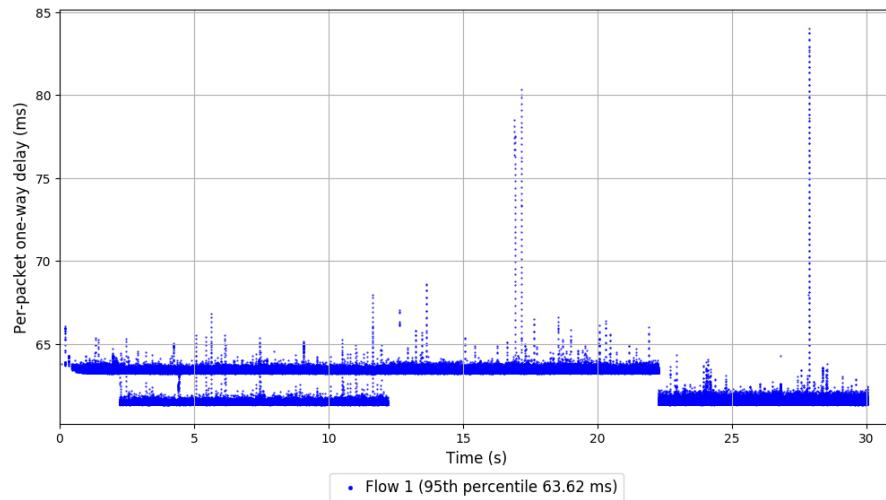
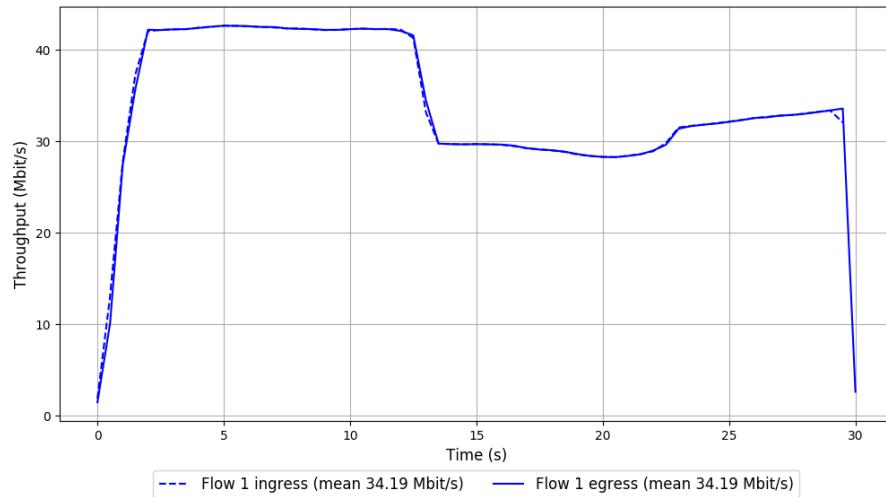
Run 10: Statistics of Copa

Start at: 2018-01-31 05:12:22

End at: 2018-01-31 05:12:52

```
# Below is generated by plot.py at 2018-01-31 06:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 63.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 63.621 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

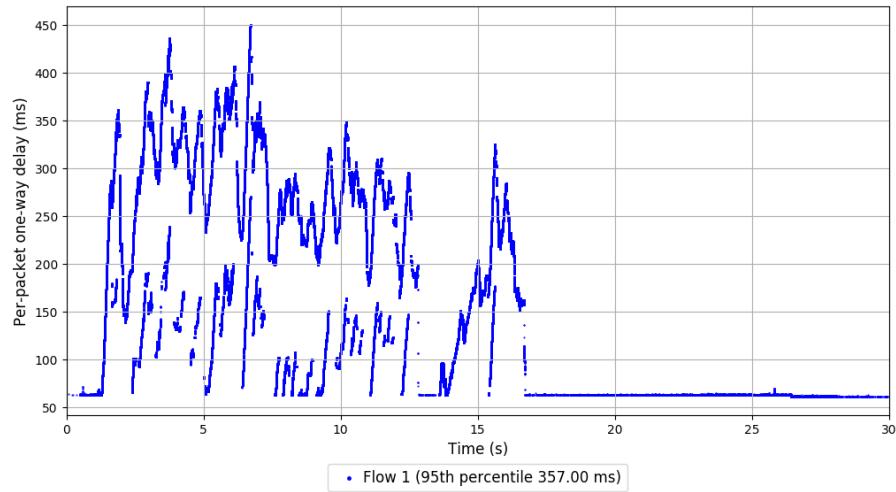
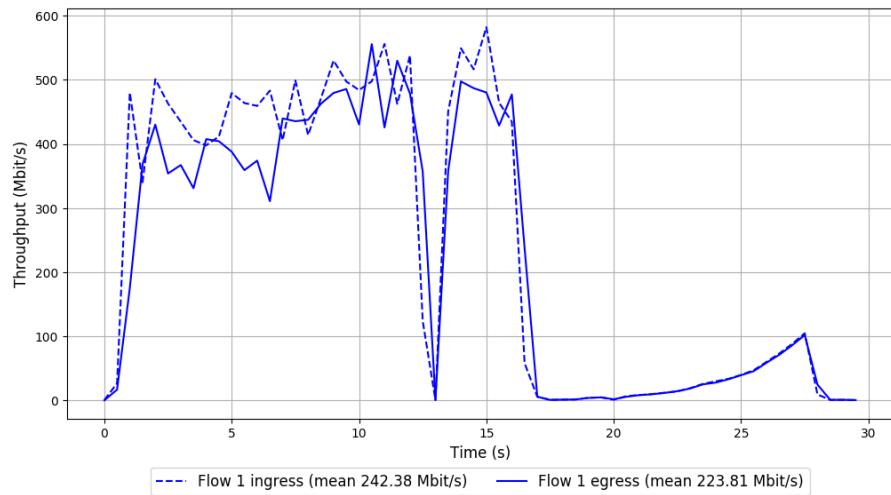


```
Run 1: Statistics of FillP

Start at: 2018-01-31 03:03:37
End at: 2018-01-31 03:04:07

# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.81 Mbit/s
95th percentile per-packet one-way delay: 356.995 ms
Loss rate: 7.67%
-- Flow 1:
Average throughput: 223.81 Mbit/s
95th percentile per-packet one-way delay: 356.995 ms
Loss rate: 7.67%
```

Run 1: Report of FillP — Data Link



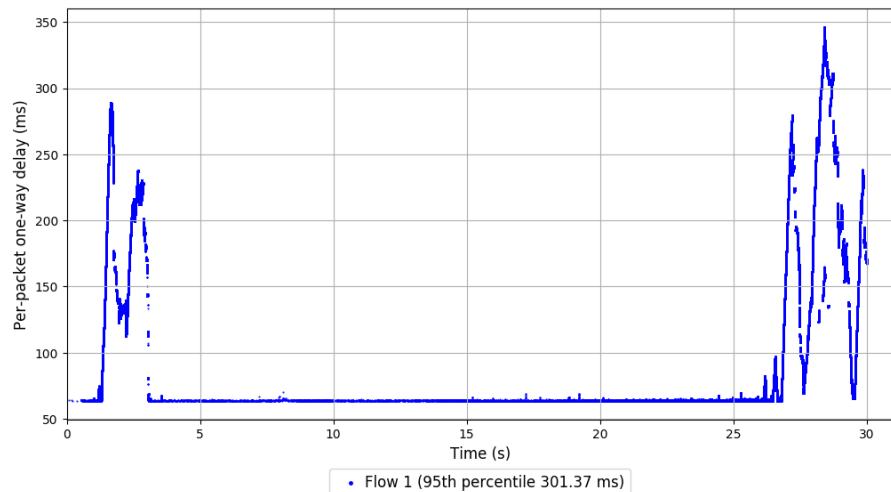
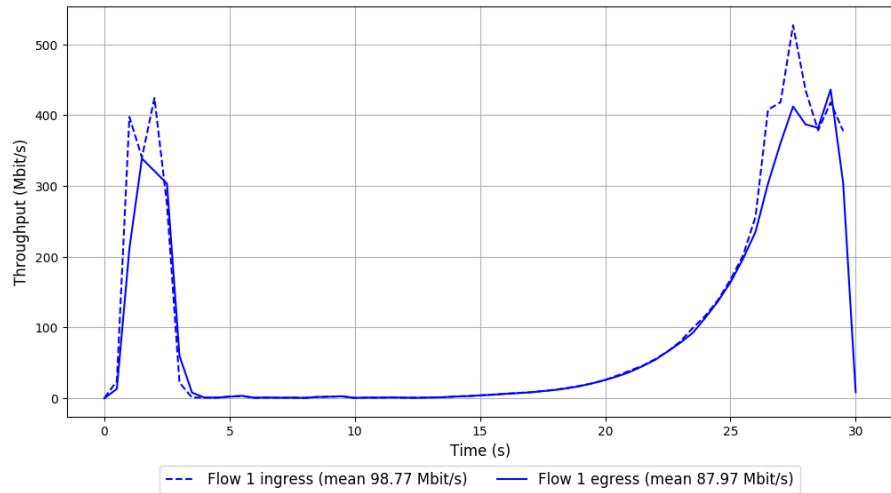
Run 2: Statistics of FillP

Start at: 2018-01-31 03:17:04

End at: 2018-01-31 03:17:34

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 301.374 ms
Loss rate: 10.93%
-- Flow 1:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 301.374 ms
Loss rate: 10.93%
```

Run 2: Report of FillP — Data Link



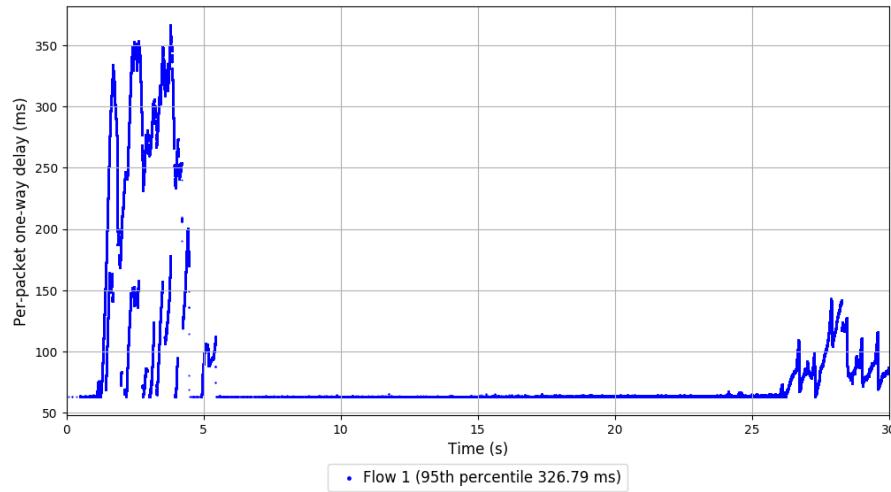
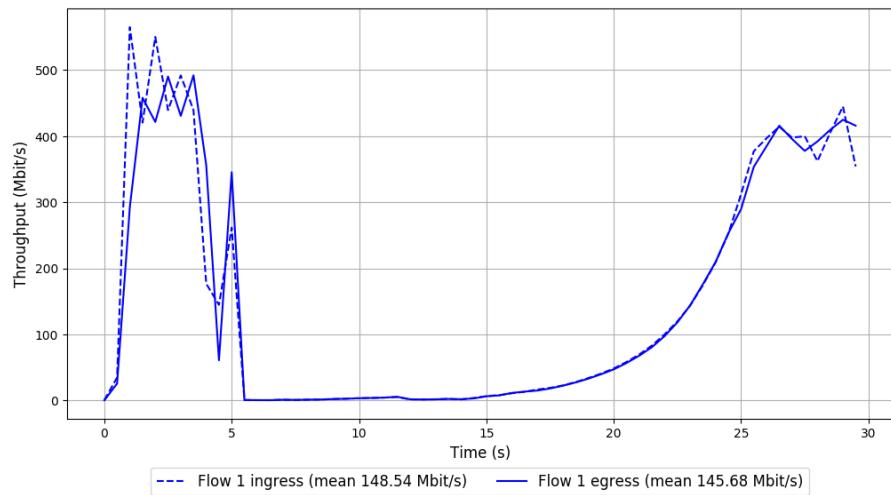
Run 3: Statistics of FillP

Start at: 2018-01-31 03:30:29

End at: 2018-01-31 03:30:59

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 145.68 Mbit/s
95th percentile per-packet one-way delay: 326.790 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 145.68 Mbit/s
95th percentile per-packet one-way delay: 326.790 ms
Loss rate: 1.92%
```

Run 3: Report of FillP — Data Link



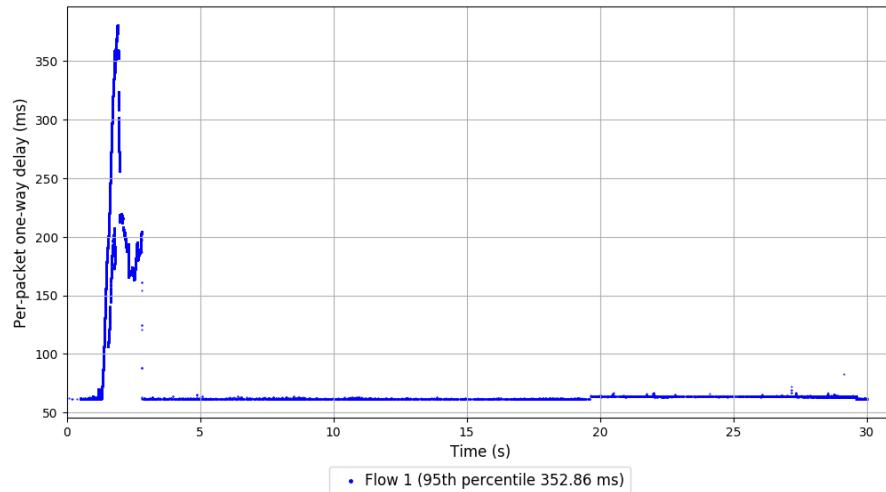
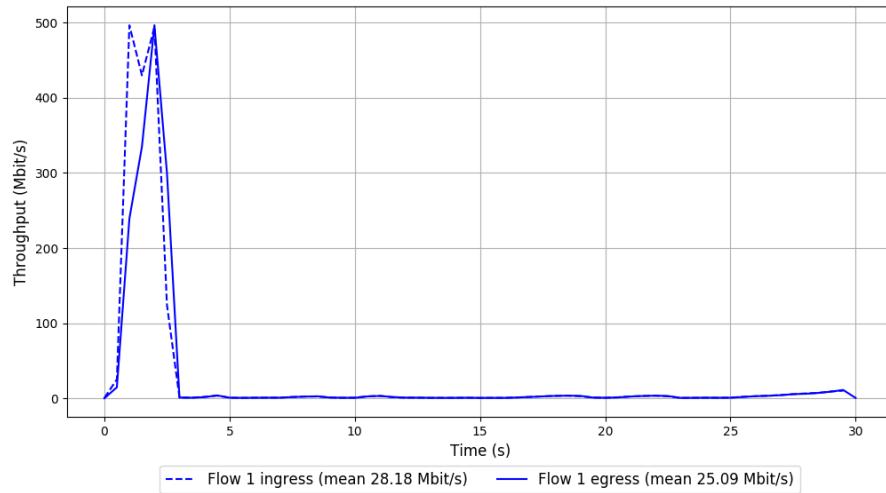
Run 4: Statistics of FillP

Start at: 2018-01-31 03:44:14

End at: 2018-01-31 03:44:44

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 352.857 ms
Loss rate: 10.97%
-- Flow 1:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 352.857 ms
Loss rate: 10.97%
```

Run 4: Report of FillP — Data Link



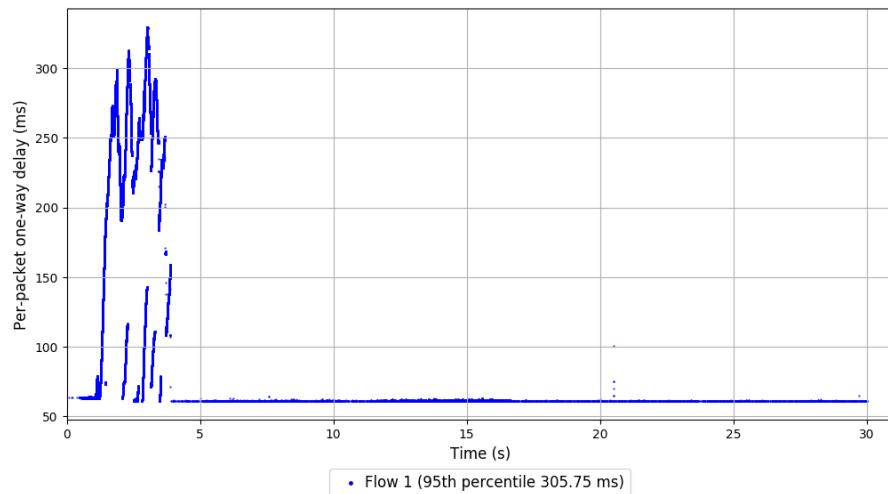
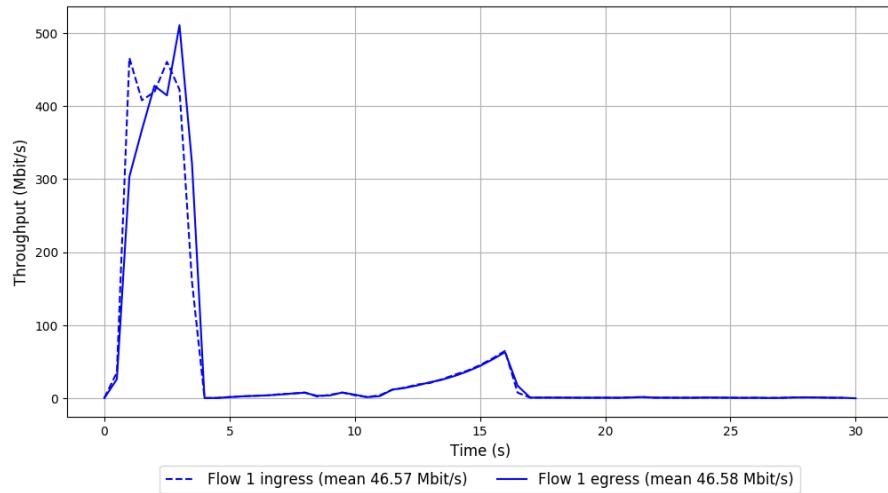
Run 5: Statistics of FillP

Start at: 2018-01-31 03:57:21

End at: 2018-01-31 03:57:51

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 305.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 305.748 ms
Loss rate: 0.00%
```

Run 5: Report of FillP — Data Link



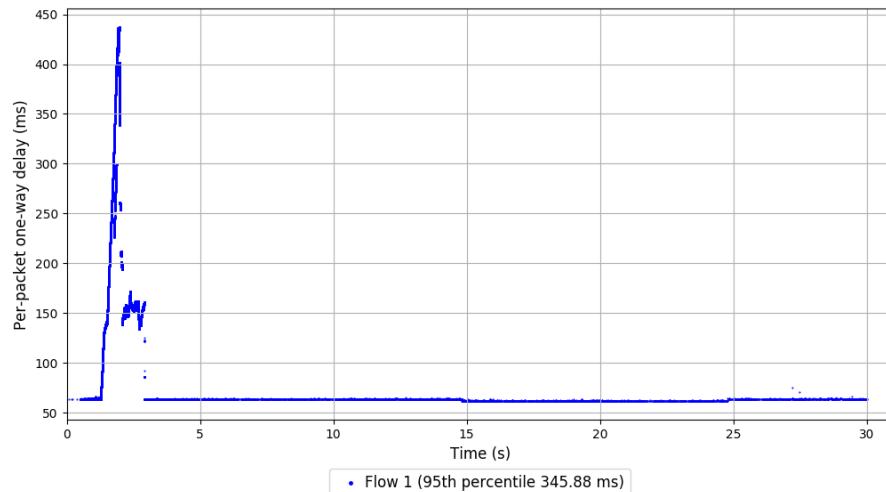
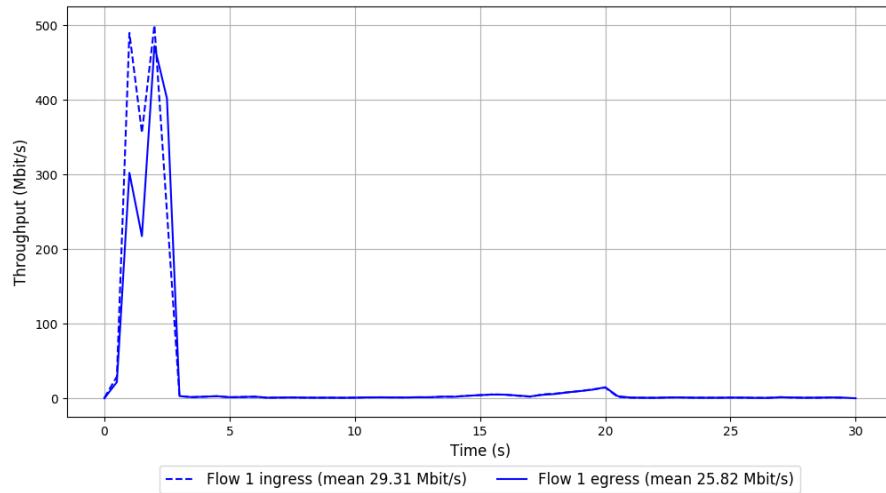
Run 6: Statistics of FillP

Start at: 2018-01-31 04:10:59

End at: 2018-01-31 04:11:29

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 345.880 ms
Loss rate: 11.91%
-- Flow 1:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 345.880 ms
Loss rate: 11.91%
```

Run 6: Report of FillP — Data Link



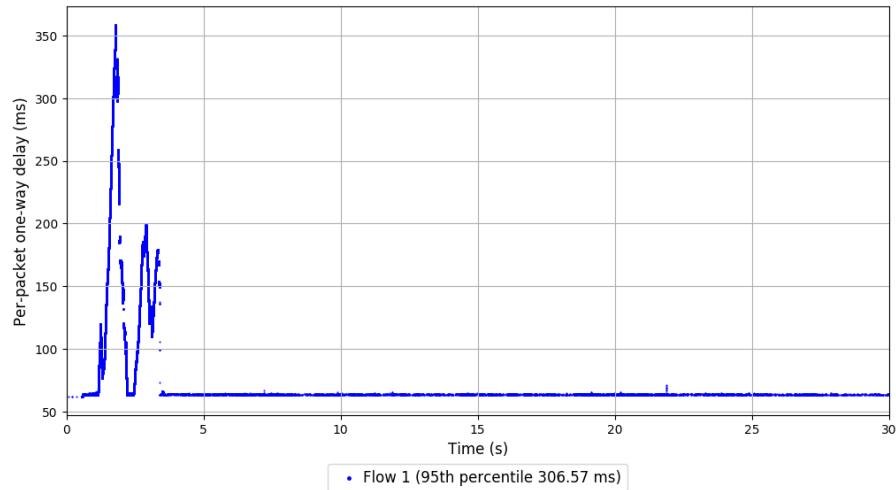
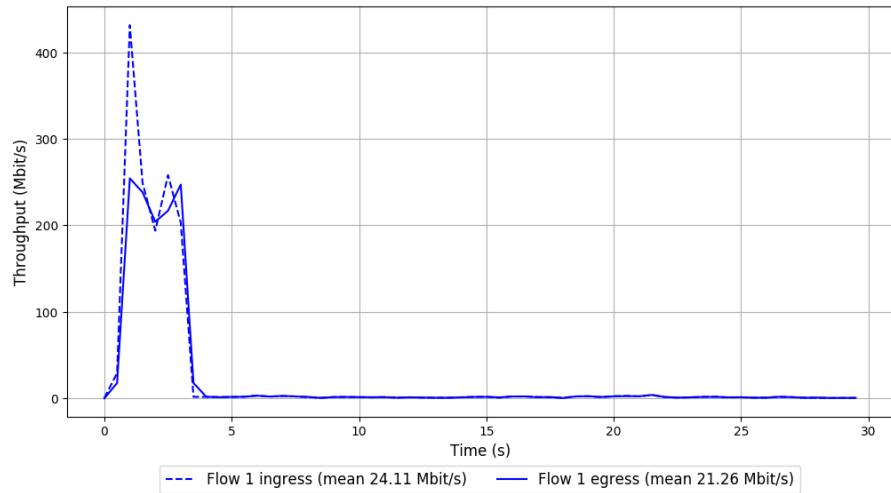
Run 7: Statistics of FillP

Start at: 2018-01-31 04:24:03

End at: 2018-01-31 04:24:33

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 306.572 ms
Loss rate: 11.81%
-- Flow 1:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 306.572 ms
Loss rate: 11.81%
```

Run 7: Report of FillP — Data Link



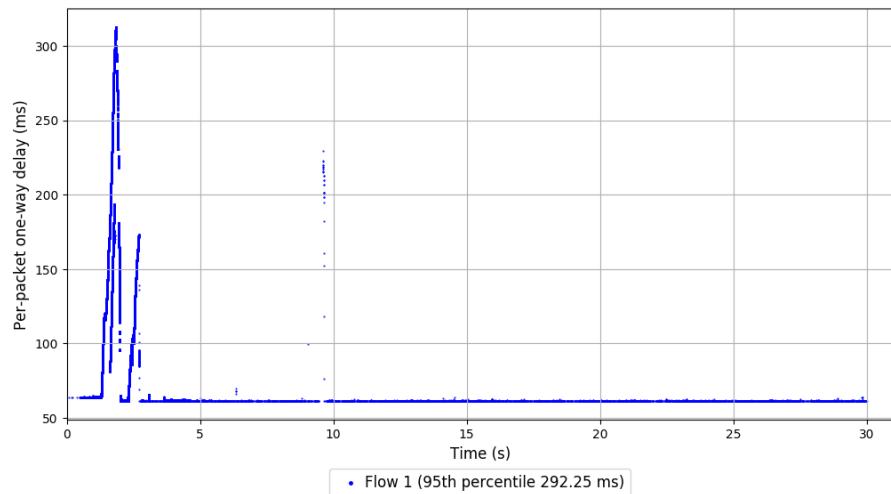
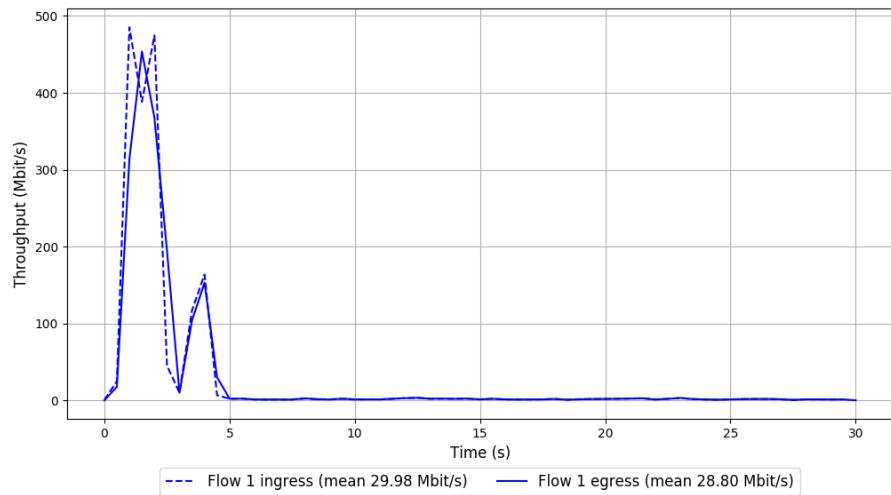
Run 8: Statistics of FillP

Start at: 2018-01-31 04:37:32

End at: 2018-01-31 04:38:02

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 292.246 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 292.246 ms
Loss rate: 3.95%
```

Run 8: Report of FillP — Data Link



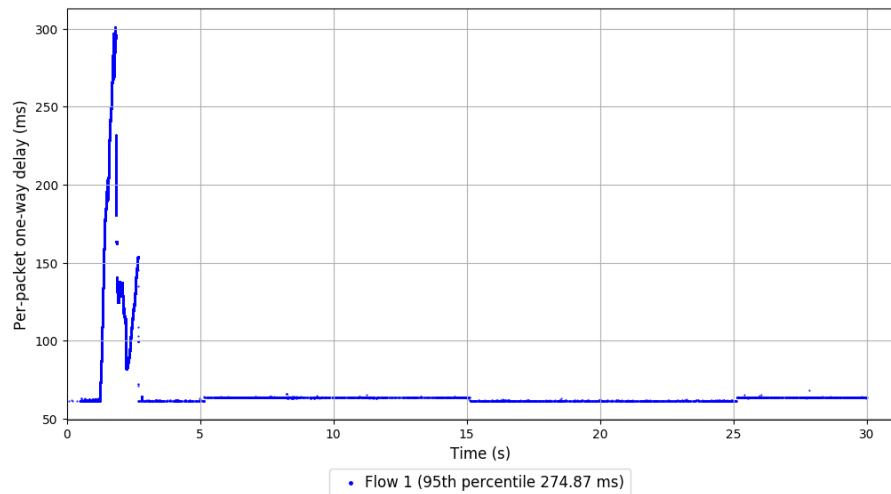
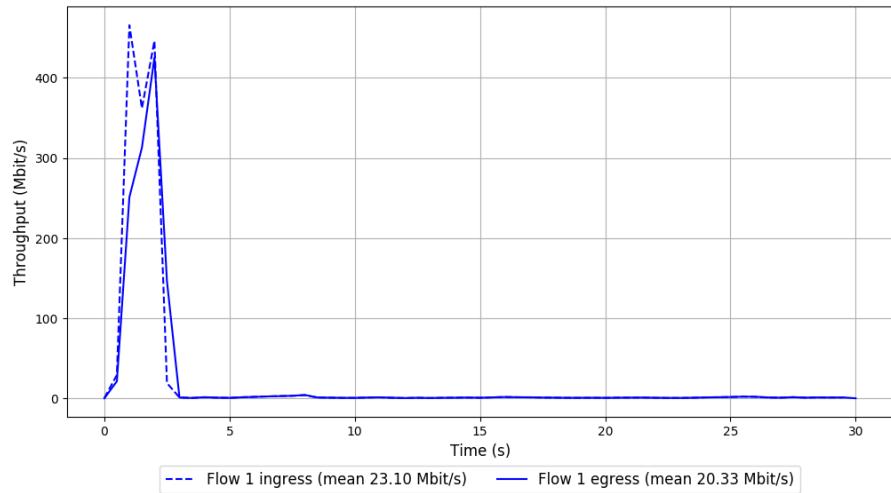
Run 9: Statistics of FillP

Start at: 2018-01-31 04:50:59

End at: 2018-01-31 04:51:29

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 274.869 ms
Loss rate: 11.97%
-- Flow 1:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 274.869 ms
Loss rate: 11.97%
```

Run 9: Report of FillP — Data Link



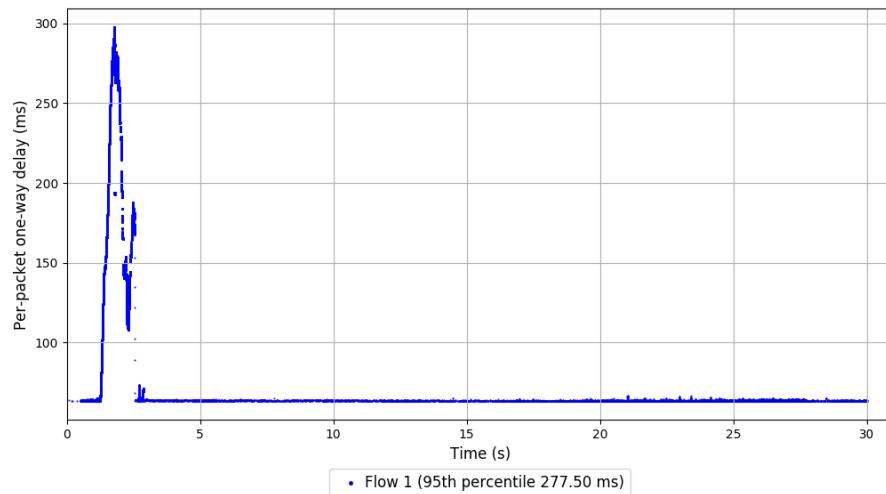
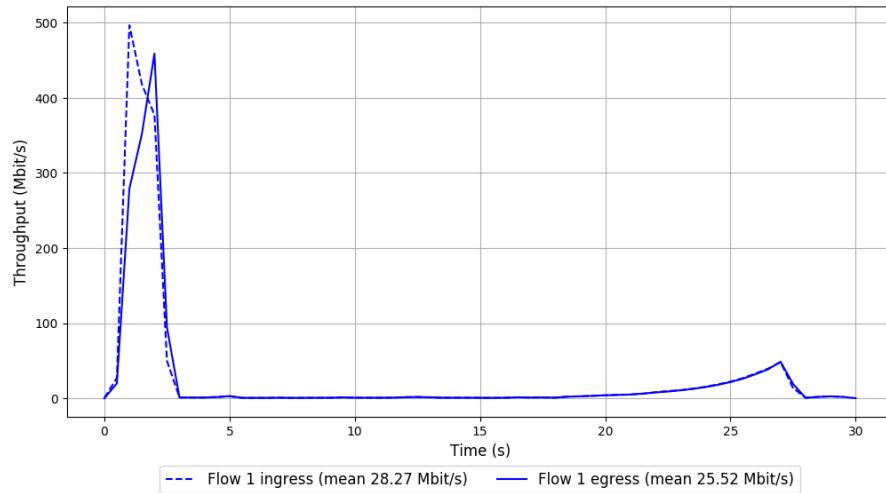
Run 10: Statistics of FillP

Start at: 2018-01-31 05:04:37

End at: 2018-01-31 05:05:07

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 277.499 ms
Loss rate: 9.76%
-- Flow 1:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 277.499 ms
Loss rate: 9.76%
```

Run 10: Report of FillP — Data Link



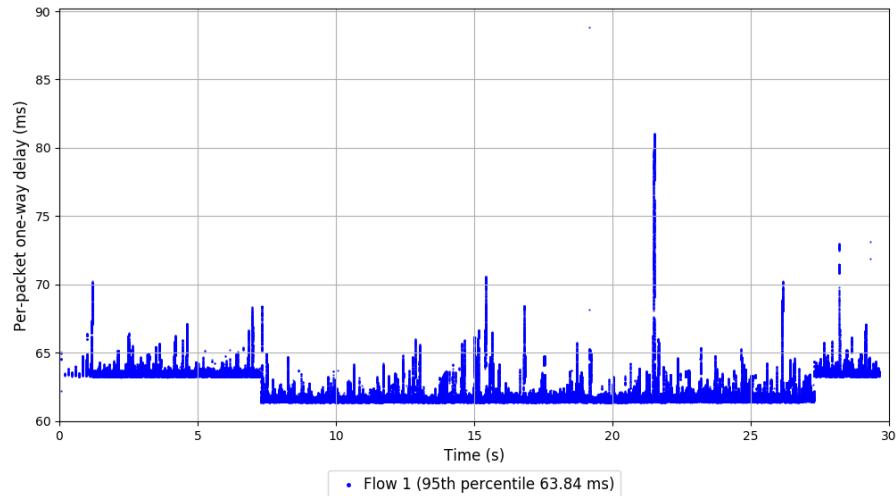
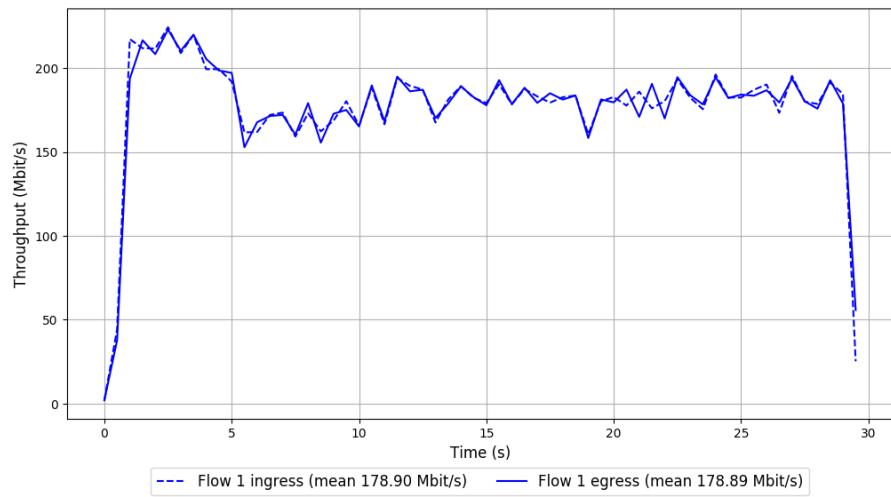
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-31 03:10:56

End at: 2018-01-31 03:11:26

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.89 Mbit/s
95th percentile per-packet one-way delay: 63.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.89 Mbit/s
95th percentile per-packet one-way delay: 63.836 ms
Loss rate: 0.00%
```

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



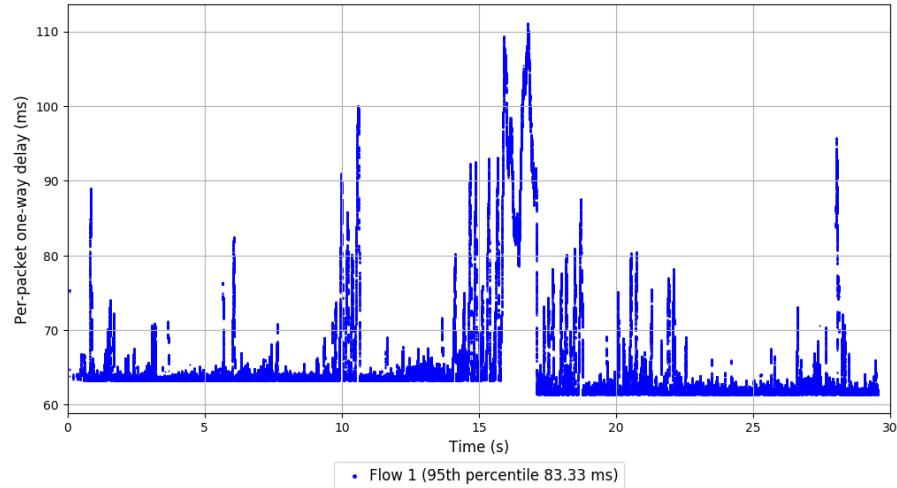
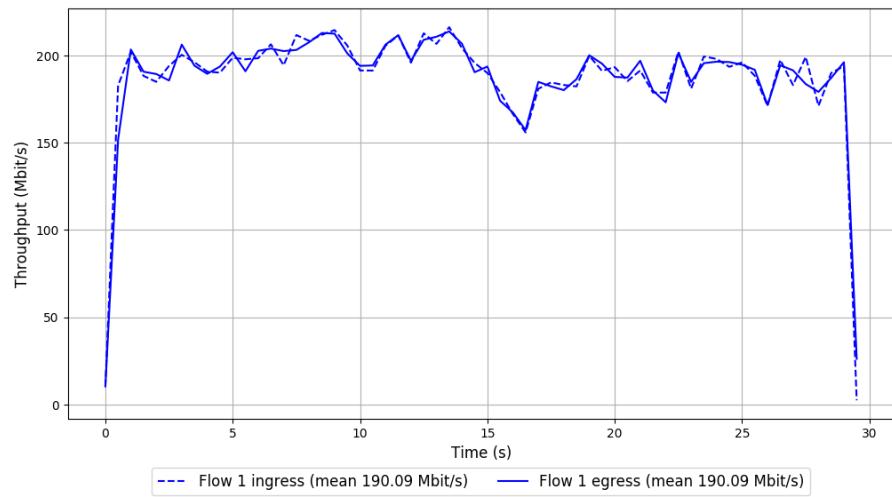
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-31 03:24:07

End at: 2018-01-31 03:24:37

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.09 Mbit/s
95th percentile per-packet one-way delay: 83.334 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 190.09 Mbit/s
95th percentile per-packet one-way delay: 83.334 ms
Loss rate: 0.01%
```

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



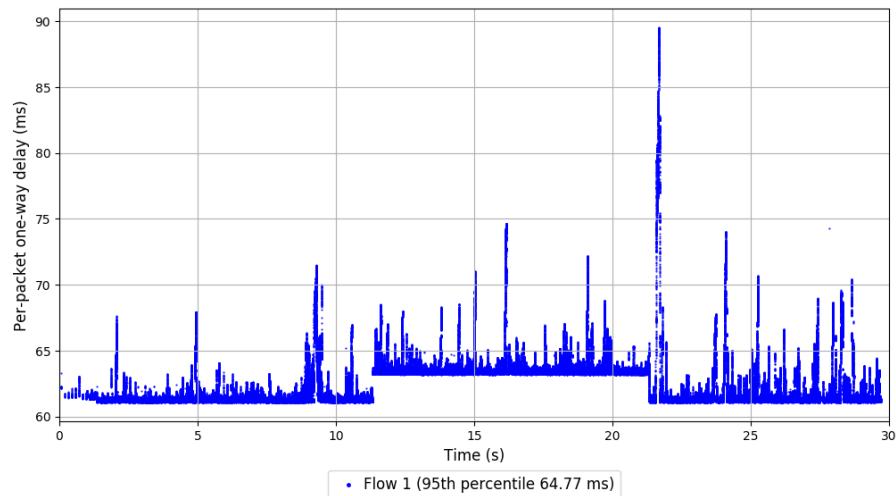
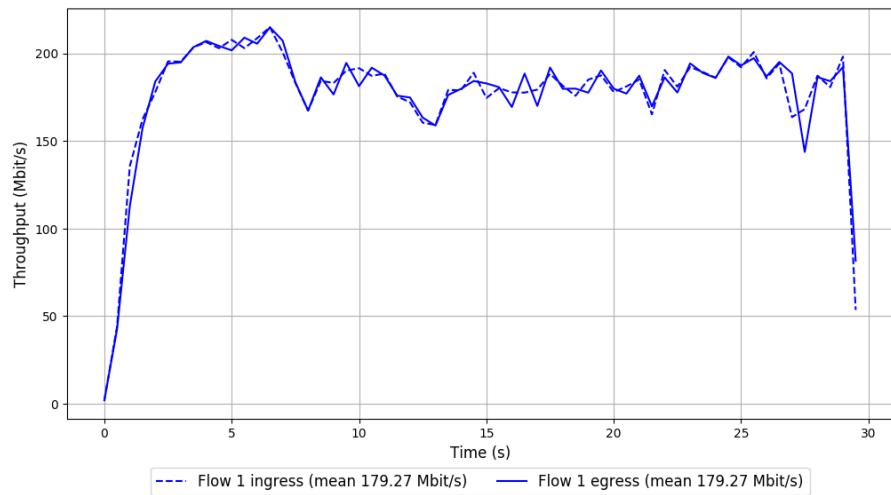
Run 3: Statistics of Indigo-1-32

Start at: 2018-01-31 03:37:52

End at: 2018-01-31 03:38:22

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.27 Mbit/s
95th percentile per-packet one-way delay: 64.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.27 Mbit/s
95th percentile per-packet one-way delay: 64.766 ms
Loss rate: 0.00%
```

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



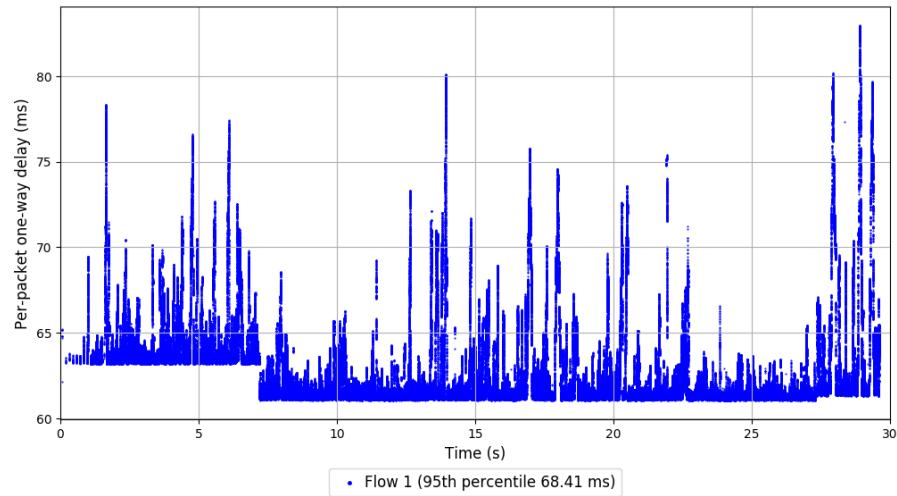
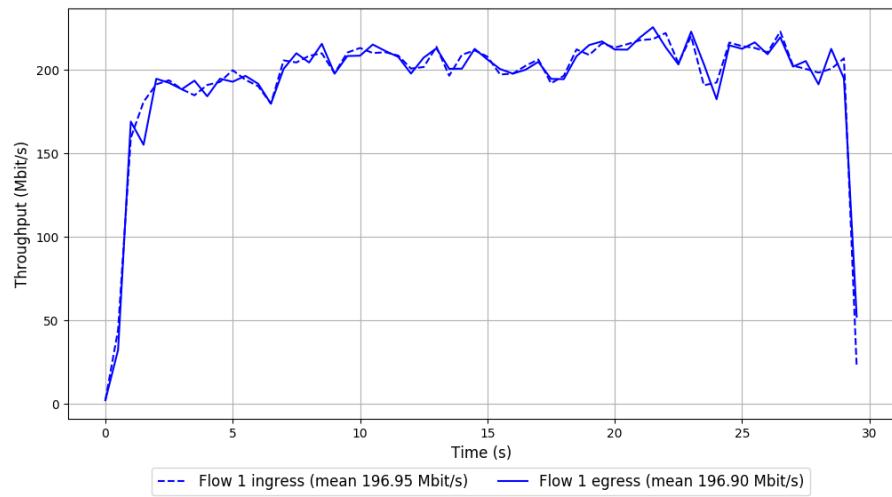
Run 4: Statistics of Indigo-1-32

Start at: 2018-01-31 03:51:16

End at: 2018-01-31 03:51:46

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.90 Mbit/s
95th percentile per-packet one-way delay: 68.412 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 196.90 Mbit/s
95th percentile per-packet one-way delay: 68.412 ms
Loss rate: 0.02%
```

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



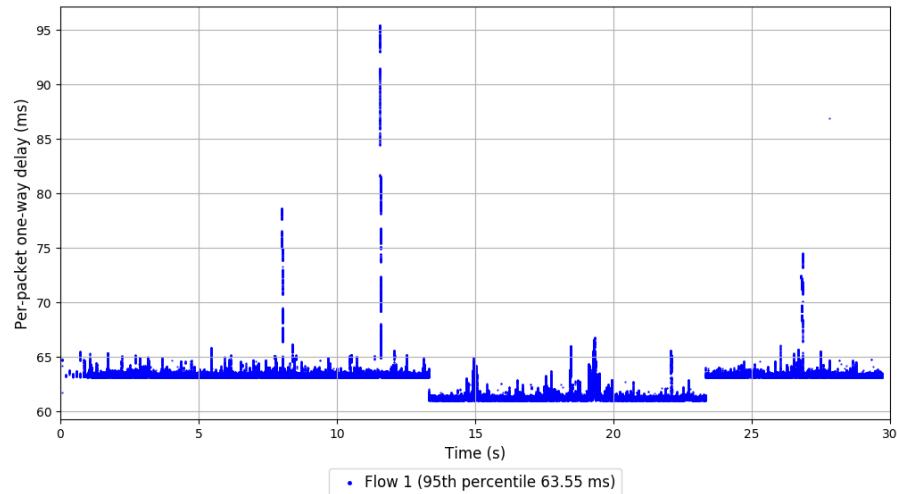
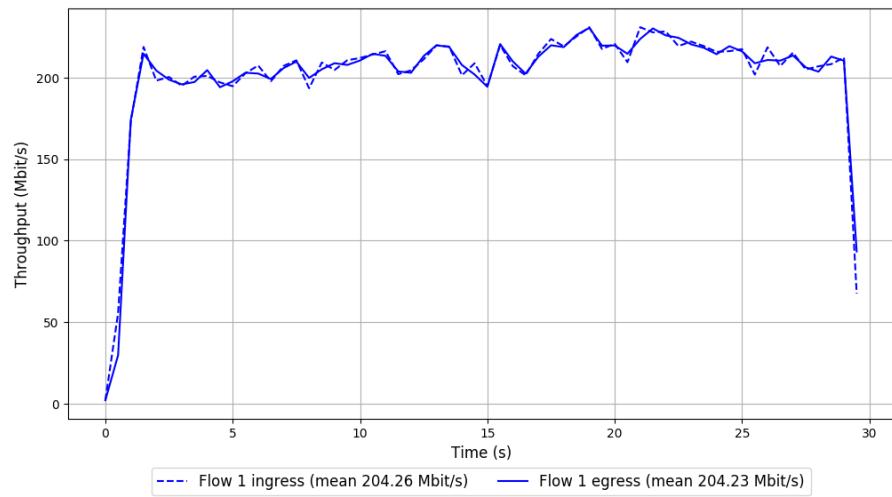
Run 5: Statistics of Indigo-1-32

Start at: 2018-01-31 04:04:30

End at: 2018-01-31 04:05:00

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.23 Mbit/s
95th percentile per-packet one-way delay: 63.553 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 204.23 Mbit/s
95th percentile per-packet one-way delay: 63.553 ms
Loss rate: 0.01%
```

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



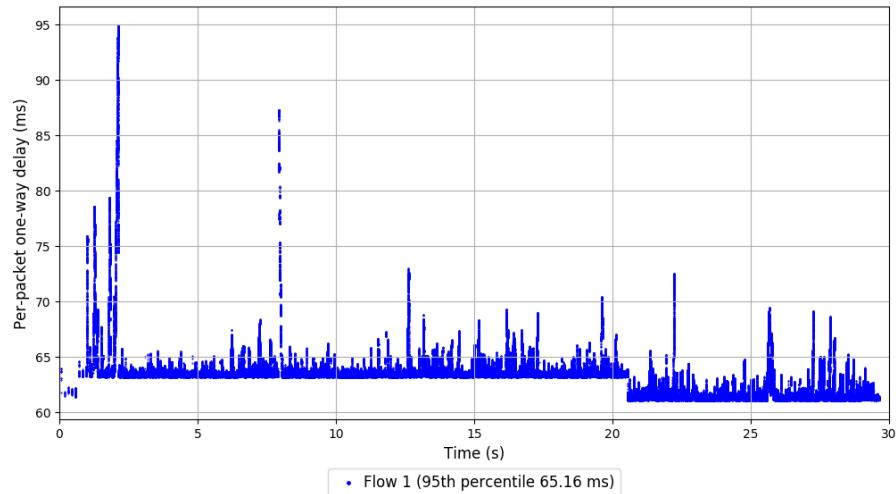
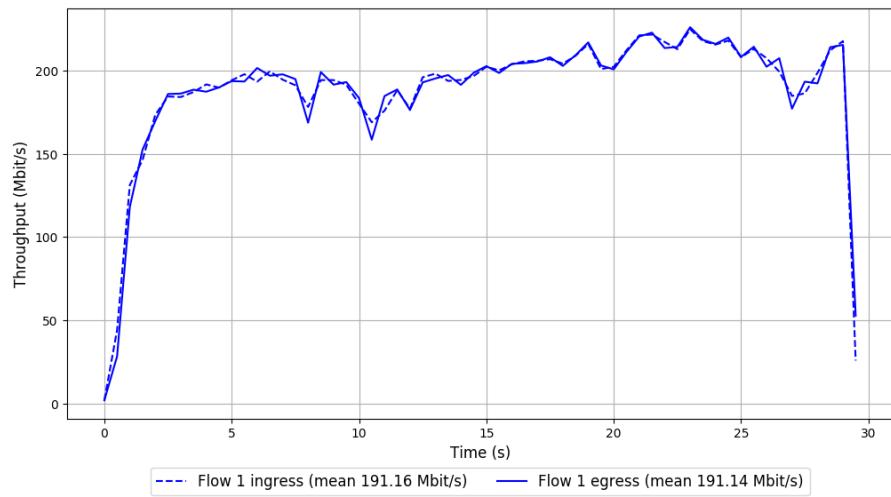
Run 6: Statistics of Indigo-1-32

Start at: 2018-01-31 04:17:53

End at: 2018-01-31 04:18:23

```
# Below is generated by plot.py at 2018-01-31 06:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.14 Mbit/s
95th percentile per-packet one-way delay: 65.159 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.14 Mbit/s
95th percentile per-packet one-way delay: 65.159 ms
Loss rate: 0.01%
```

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



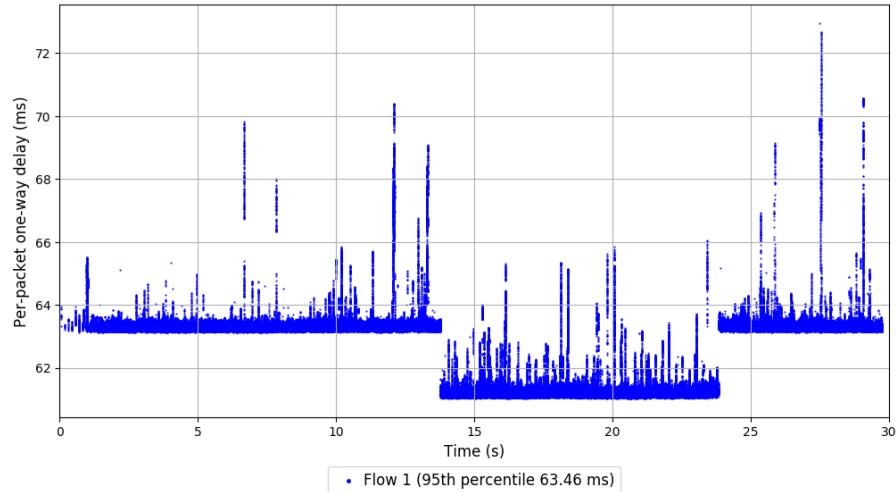
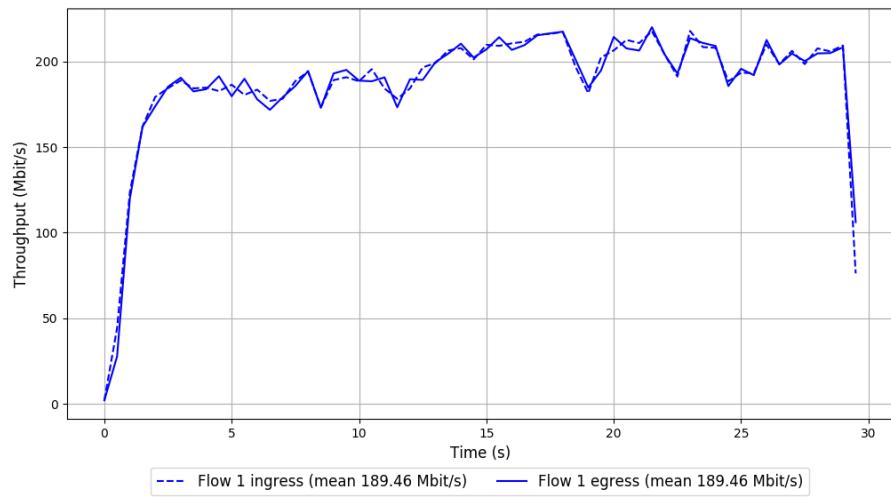
Run 7: Statistics of Indigo-1-32

Start at: 2018-01-31 04:31:10

End at: 2018-01-31 04:31:40

```
# Below is generated by plot.py at 2018-01-31 06:48:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.46 Mbit/s
95th percentile per-packet one-way delay: 63.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.46 Mbit/s
95th percentile per-packet one-way delay: 63.456 ms
Loss rate: 0.00%
```

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



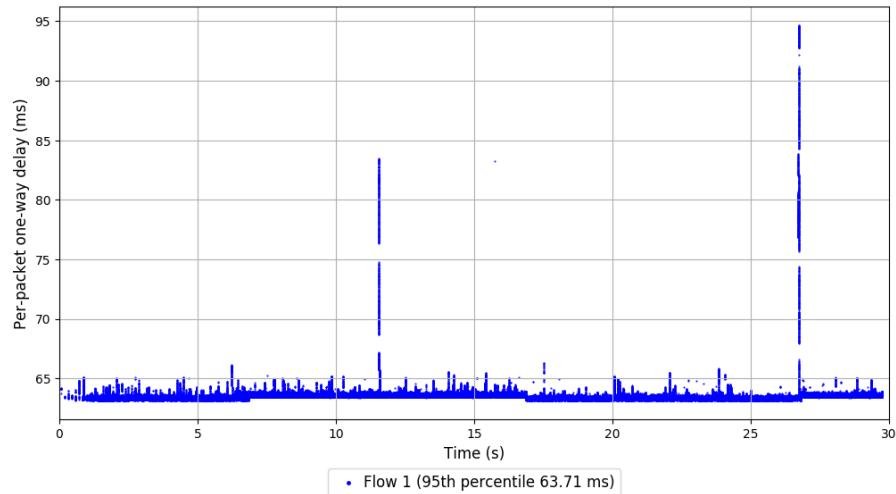
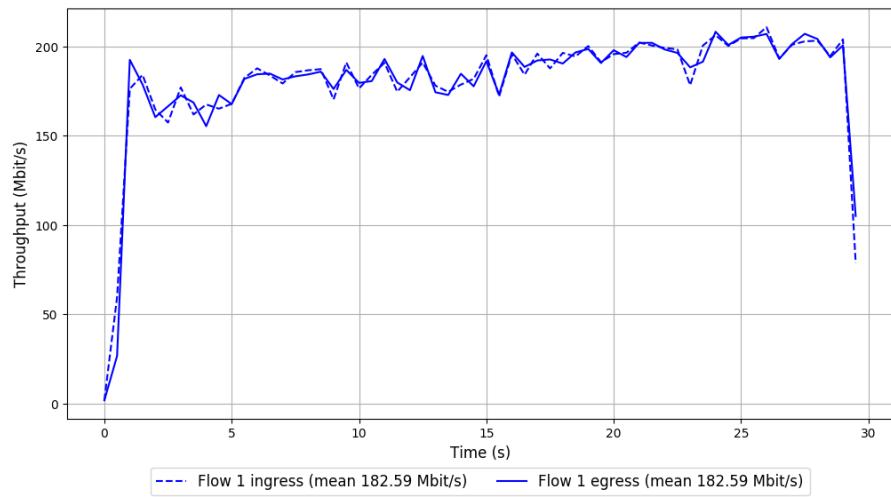
Run 8: Statistics of Indigo-1-32

Start at: 2018-01-31 04:44:27

End at: 2018-01-31 04:44:57

```
# Below is generated by plot.py at 2018-01-31 06:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.59 Mbit/s
95th percentile per-packet one-way delay: 63.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.59 Mbit/s
95th percentile per-packet one-way delay: 63.710 ms
Loss rate: 0.00%
```

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



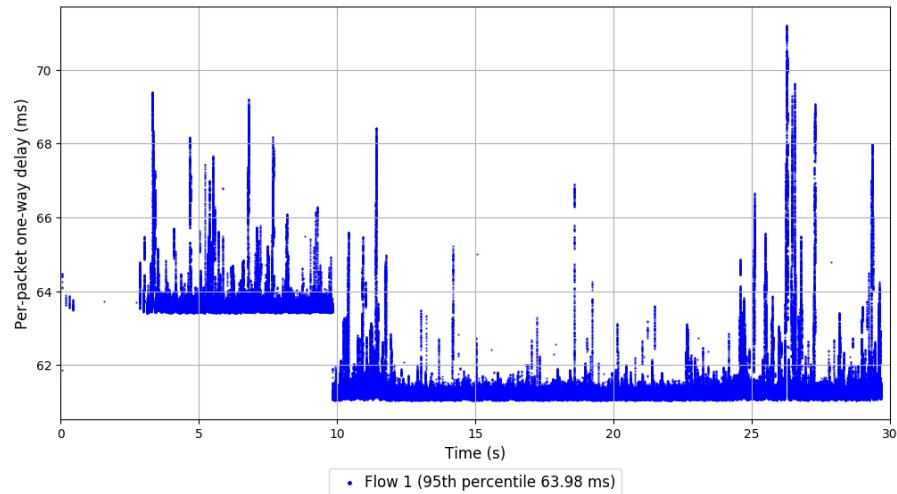
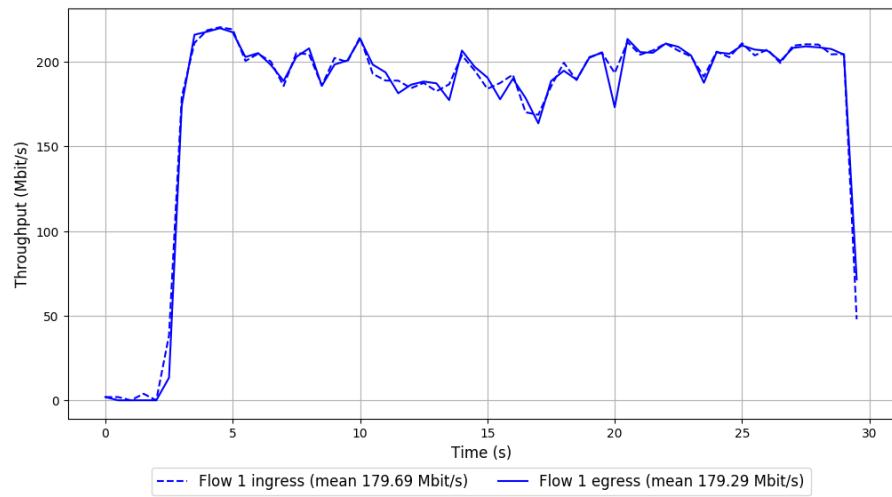
Run 9: Statistics of Indigo-1-32

Start at: 2018-01-31 04:58:14

End at: 2018-01-31 04:58:44

```
# Below is generated by plot.py at 2018-01-31 06:48:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.29 Mbit/s
95th percentile per-packet one-way delay: 63.980 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 179.29 Mbit/s
95th percentile per-packet one-way delay: 63.980 ms
Loss rate: 0.22%
```

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



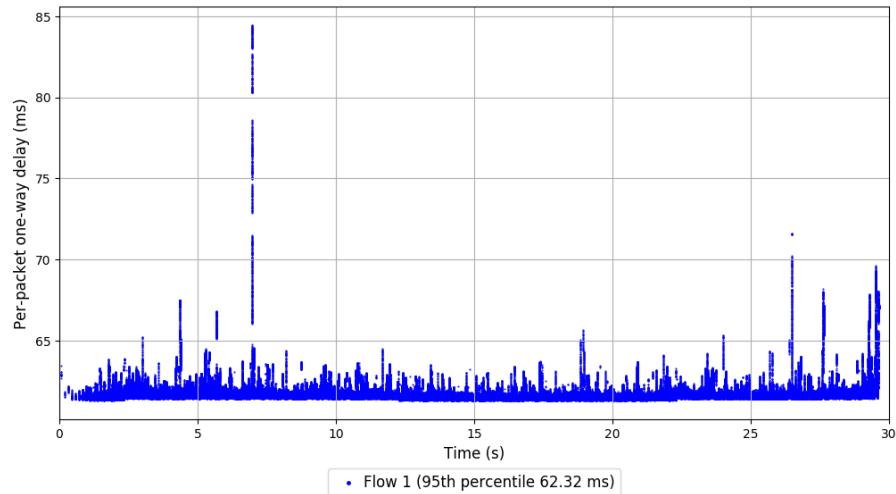
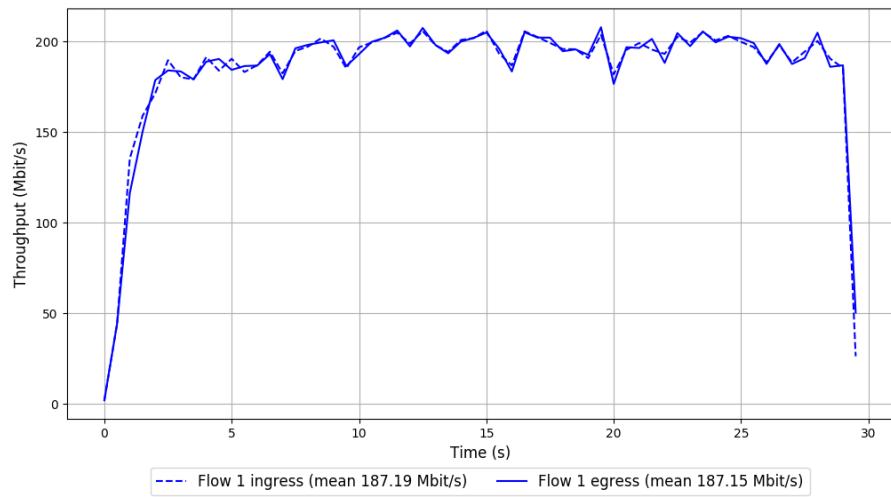
Run 10: Statistics of Indigo-1-32

Start at: 2018-01-31 05:11:31

End at: 2018-01-31 05:12:01

```
# Below is generated by plot.py at 2018-01-31 06:48:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.15 Mbit/s
95th percentile per-packet one-way delay: 62.318 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.15 Mbit/s
95th percentile per-packet one-way delay: 62.318 ms
Loss rate: 0.01%
```

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



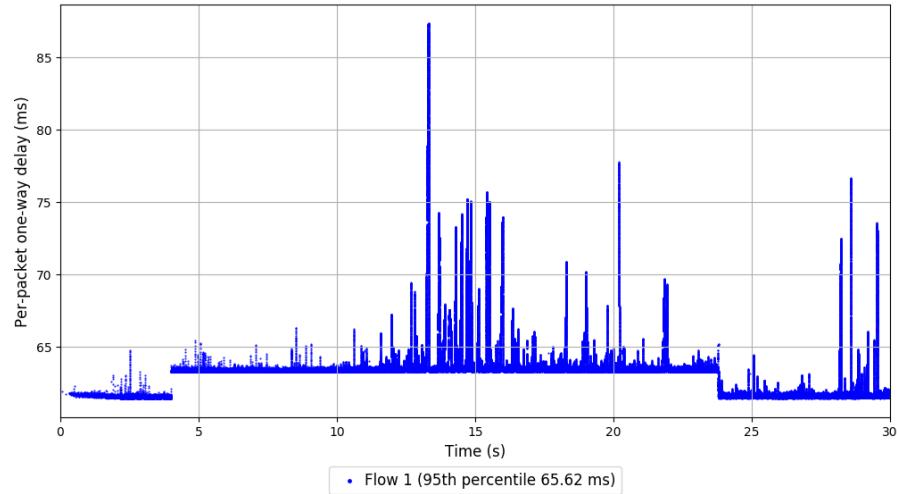
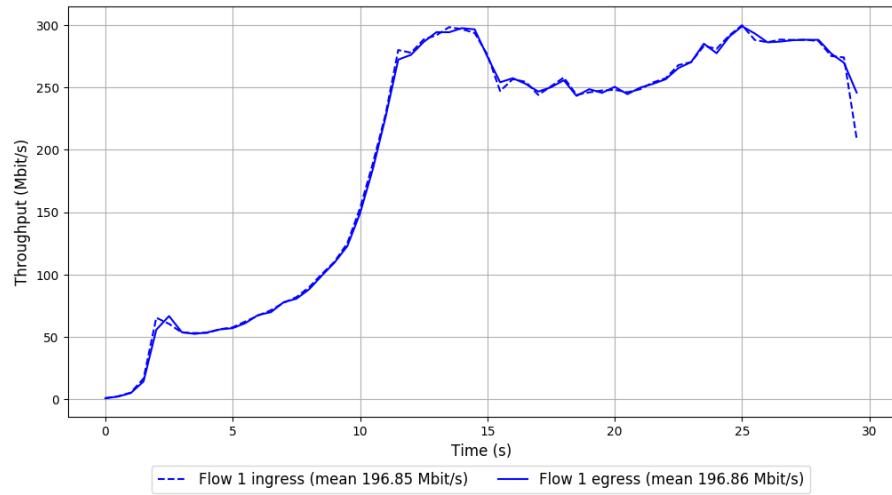
Run 1: Statistics of Vivace-latency

Start at: 2018-01-31 03:05:10

End at: 2018-01-31 03:05:40

```
# Below is generated by plot.py at 2018-01-31 06:49:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.86 Mbit/s
95th percentile per-packet one-way delay: 65.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.86 Mbit/s
95th percentile per-packet one-way delay: 65.619 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-latency — Data Link



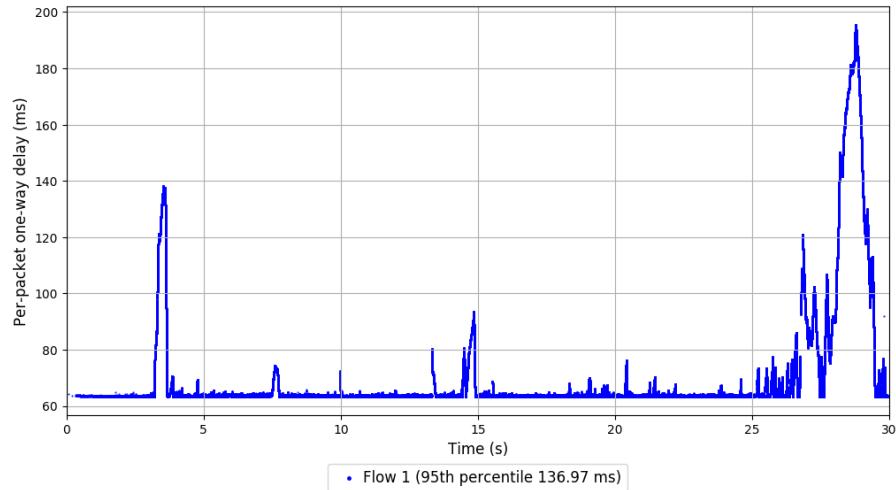
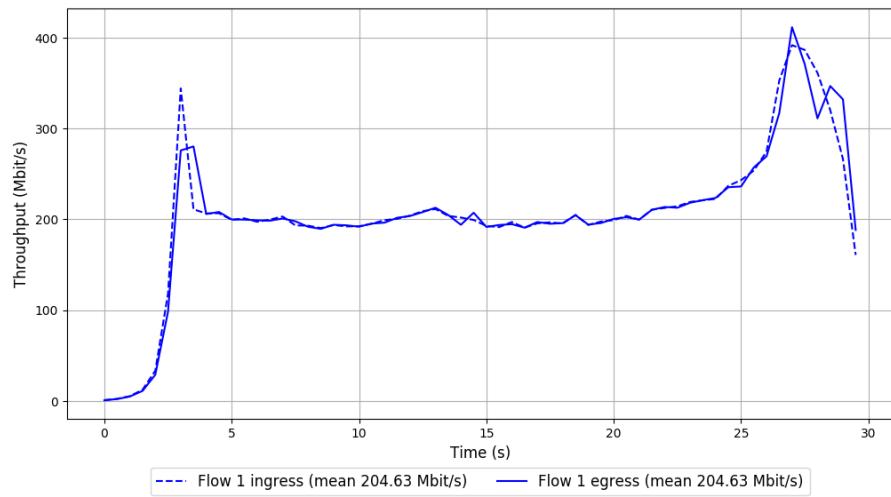
Run 2: Statistics of Vivace-latency

Start at: 2018-01-31 03:18:25

End at: 2018-01-31 03:18:55

```
# Below is generated by plot.py at 2018-01-31 06:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.63 Mbit/s
95th percentile per-packet one-way delay: 136.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.63 Mbit/s
95th percentile per-packet one-way delay: 136.965 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-latency — Data Link



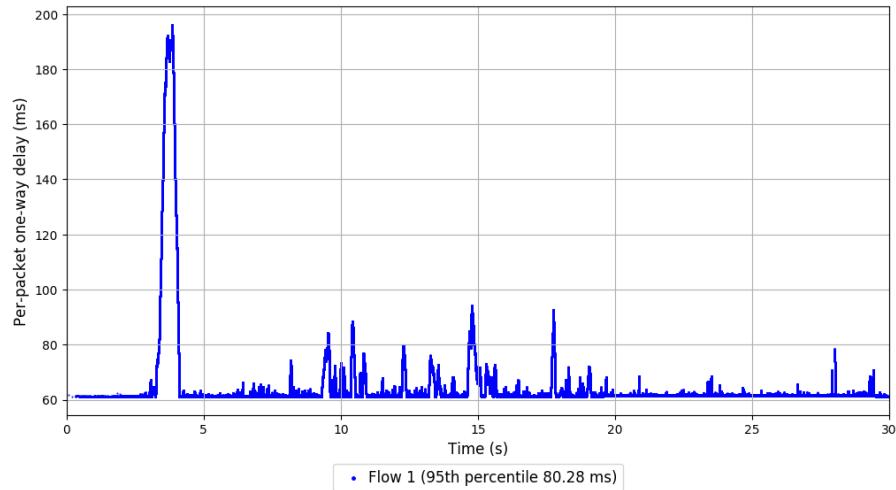
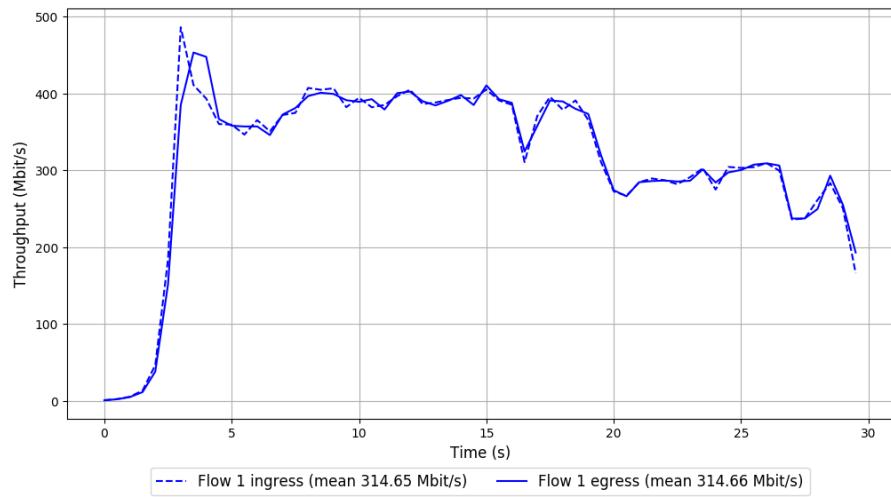
Run 3: Statistics of Vivace-latency

Start at: 2018-01-31 03:31:54

End at: 2018-01-31 03:32:24

```
# Below is generated by plot.py at 2018-01-31 06:52:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 314.66 Mbit/s
95th percentile per-packet one-way delay: 80.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 314.66 Mbit/s
95th percentile per-packet one-way delay: 80.280 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link



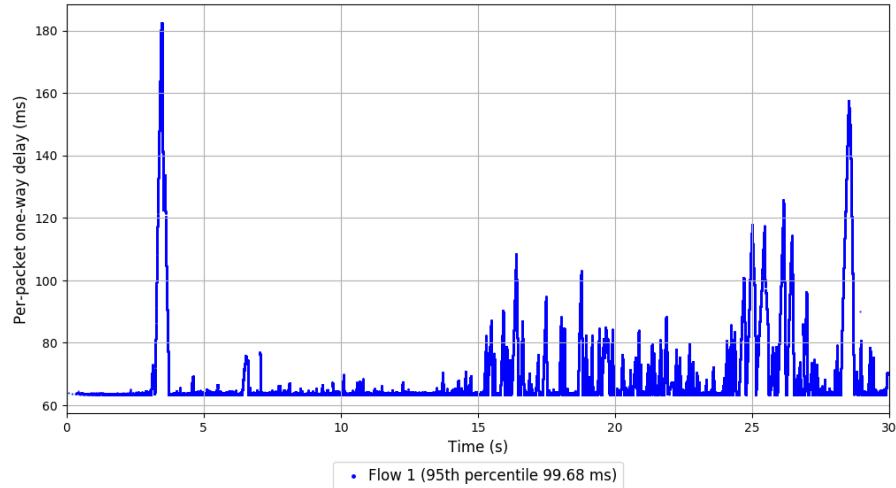
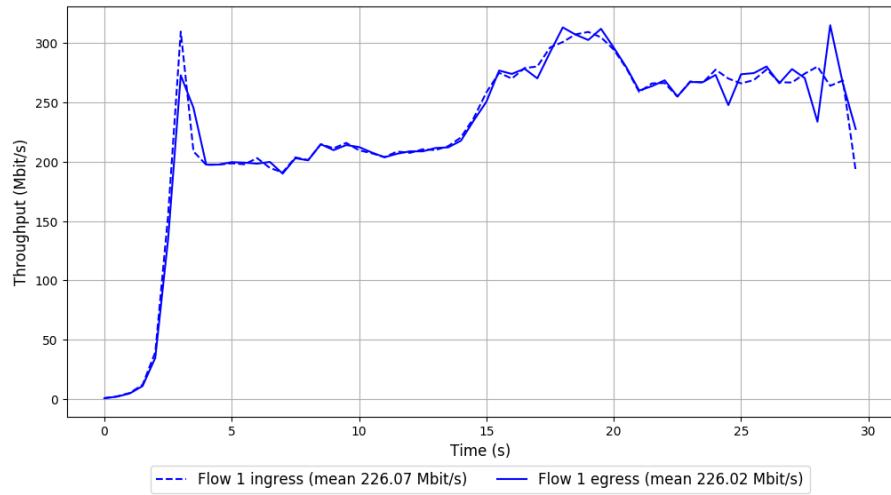
Run 4: Statistics of Vivace-latency

Start at: 2018-01-31 03:45:31

End at: 2018-01-31 03:46:01

```
# Below is generated by plot.py at 2018-01-31 06:52:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.02 Mbit/s
95th percentile per-packet one-way delay: 99.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.02 Mbit/s
95th percentile per-packet one-way delay: 99.682 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link



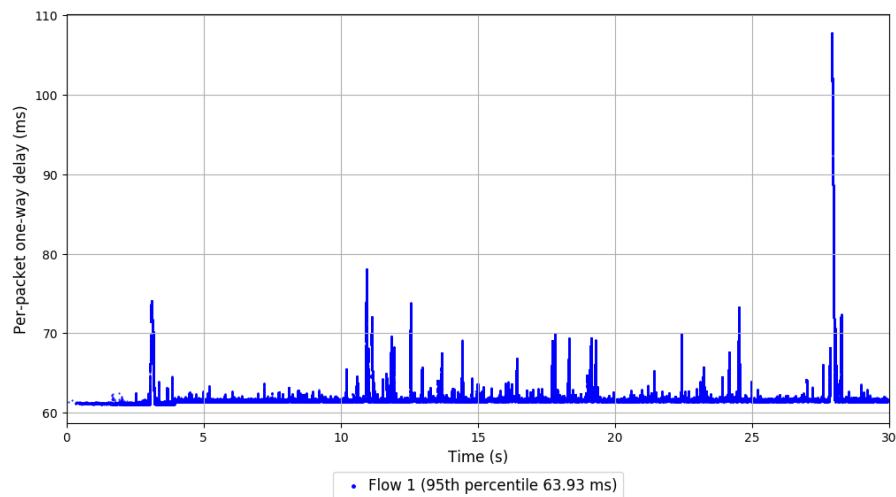
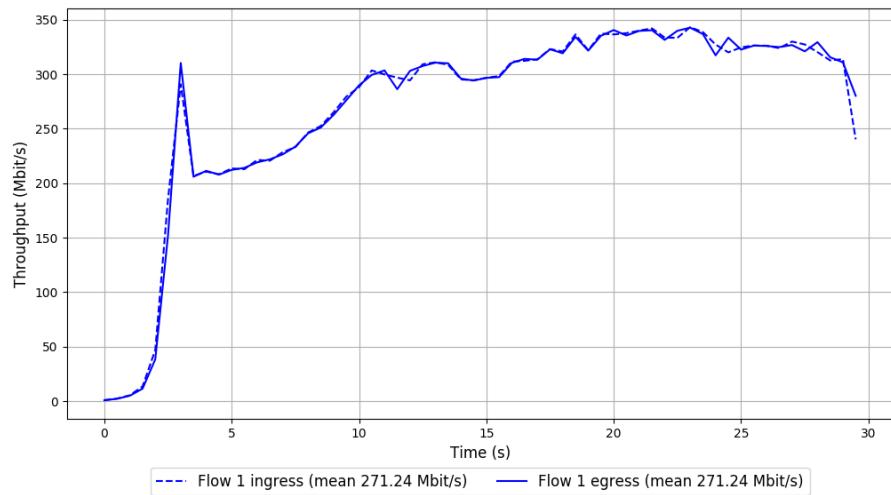
Run 5: Statistics of Vivace-latency

Start at: 2018-01-31 03:58:40

End at: 2018-01-31 03:59:10

```
# Below is generated by plot.py at 2018-01-31 06:53:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.24 Mbit/s
95th percentile per-packet one-way delay: 63.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.24 Mbit/s
95th percentile per-packet one-way delay: 63.929 ms
Loss rate: 0.00%
```

Run 5: Report of Vivace-latency — Data Link

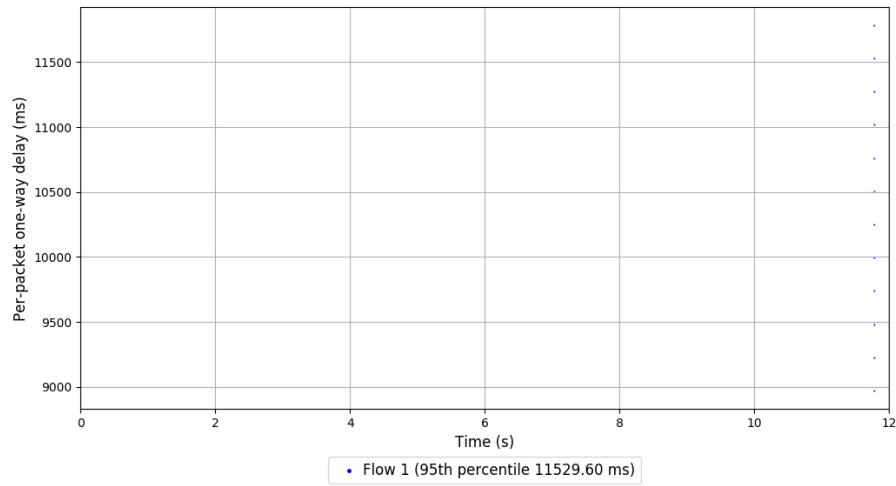
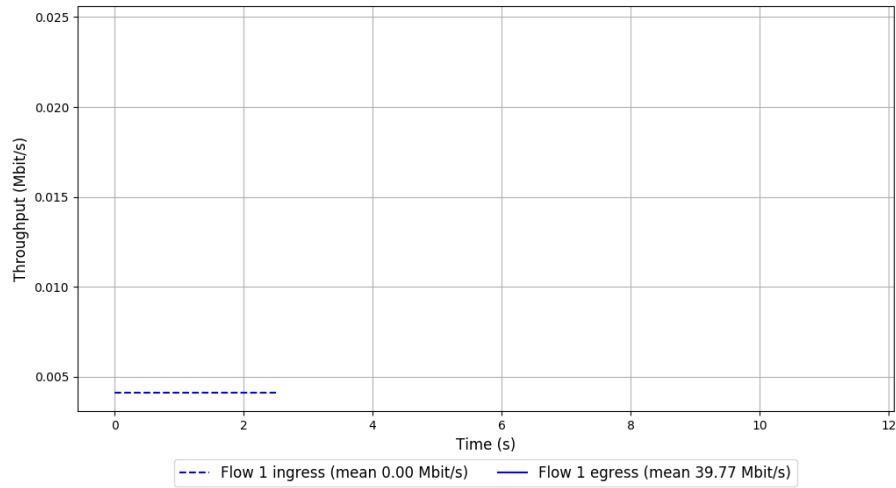


Run 6: Statistics of Vivace-latency

Start at: 2018-01-31 04:12:16

End at: 2018-01-31 04:12:46

Run 6: Report of Vivace-latency — Data Link

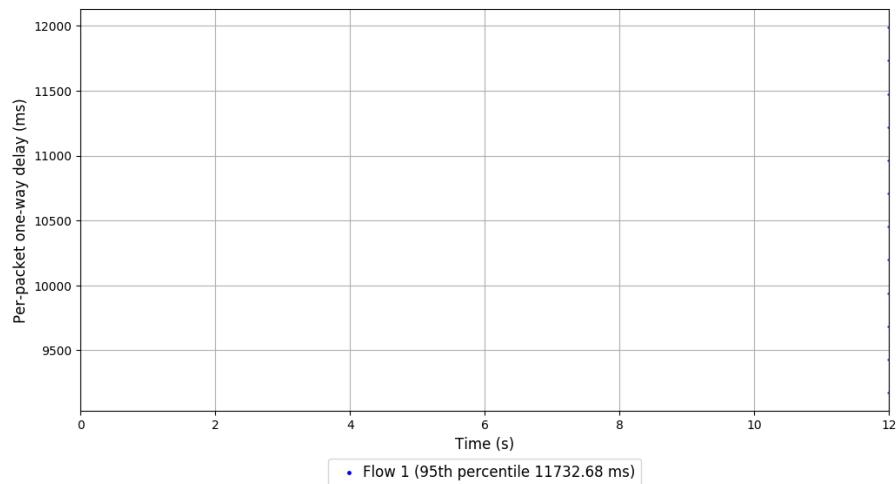
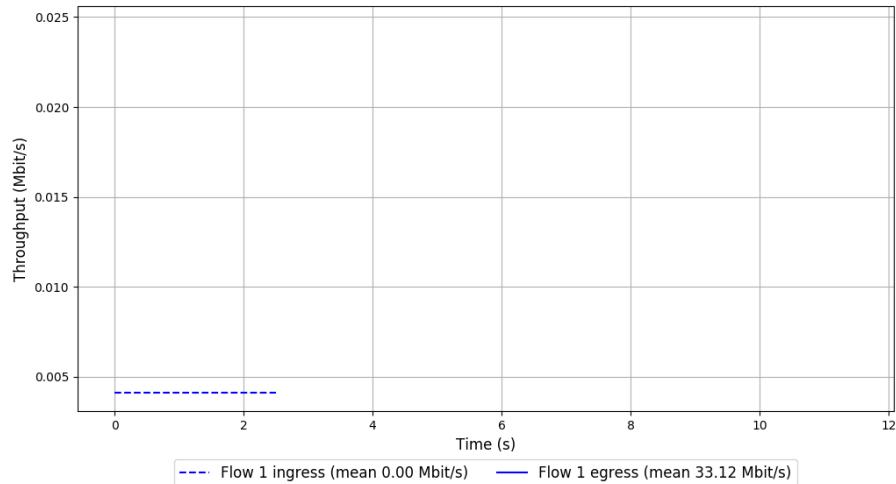


Run 7: Statistics of Vivace-latency

Start at: 2018-01-31 04:25:20

End at: 2018-01-31 04:25:50

Run 7: Report of Vivace-latency — Data Link

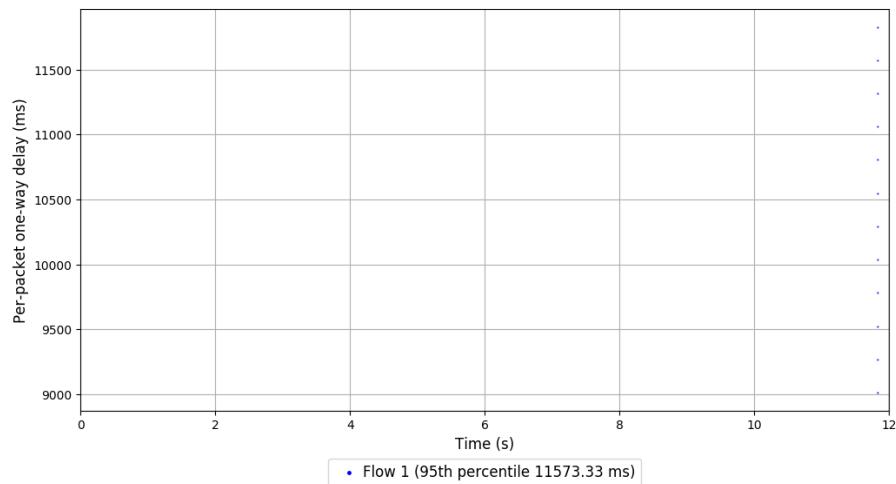
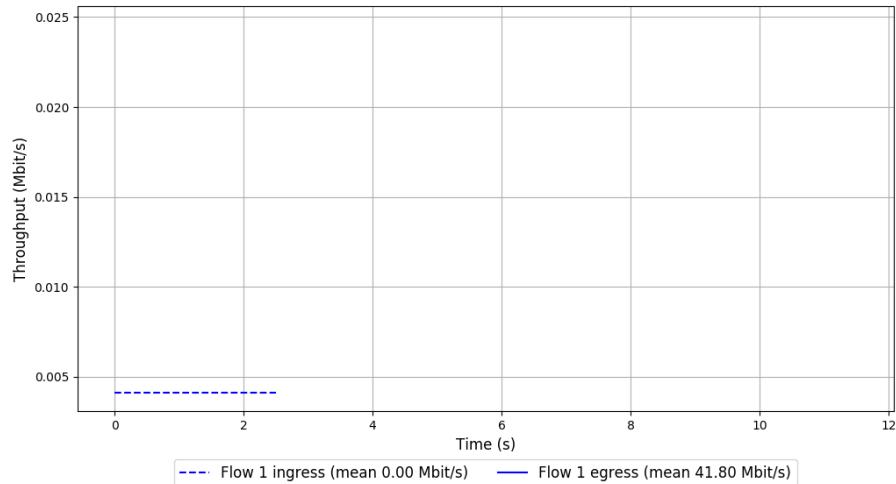


Run 8: Statistics of Vivace-latency

Start at: 2018-01-31 04:38:50

End at: 2018-01-31 04:39:20

Run 8: Report of Vivace-latency — Data Link



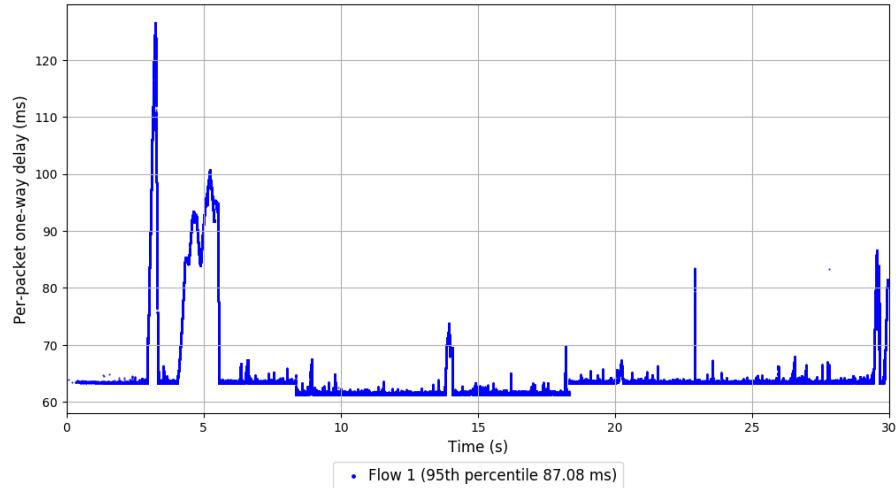
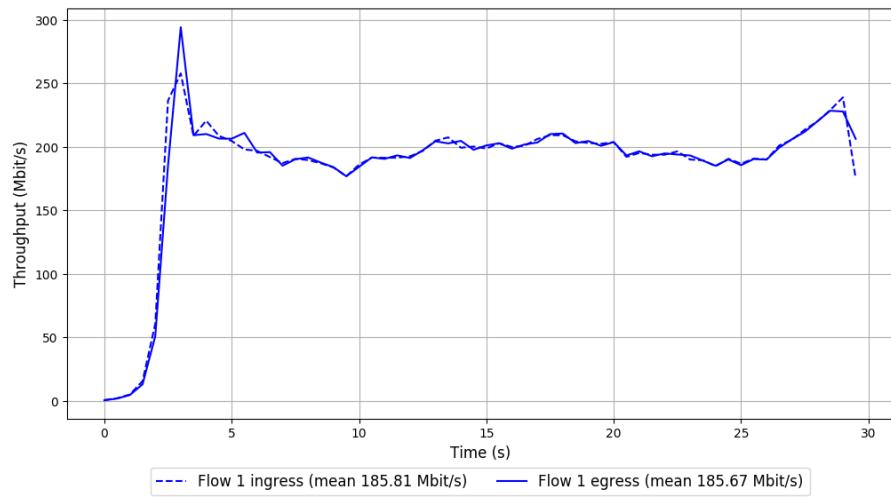
Run 9: Statistics of Vivace-latency

Start at: 2018-01-31 04:52:16

End at: 2018-01-31 04:52:46

```
# Below is generated by plot.py at 2018-01-31 06:53:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.67 Mbit/s
95th percentile per-packet one-way delay: 87.081 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 185.67 Mbit/s
95th percentile per-packet one-way delay: 87.081 ms
Loss rate: 0.07%
```

Run 9: Report of Vivace-latency — Data Link

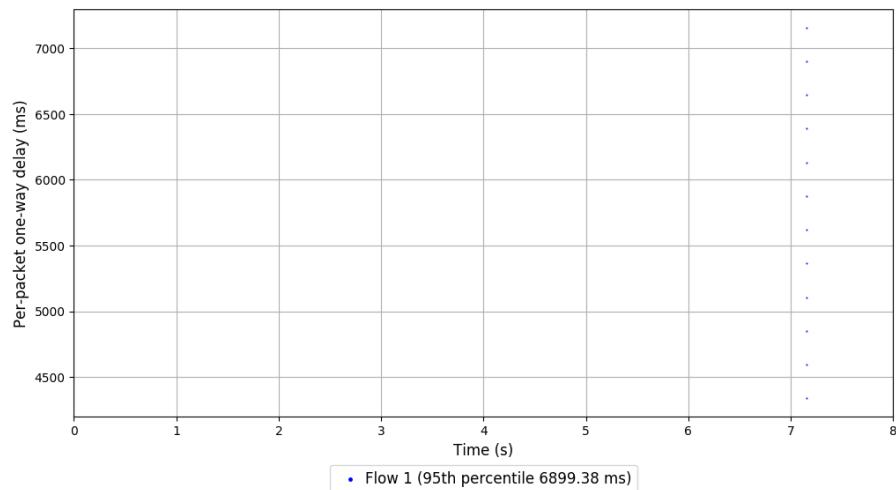
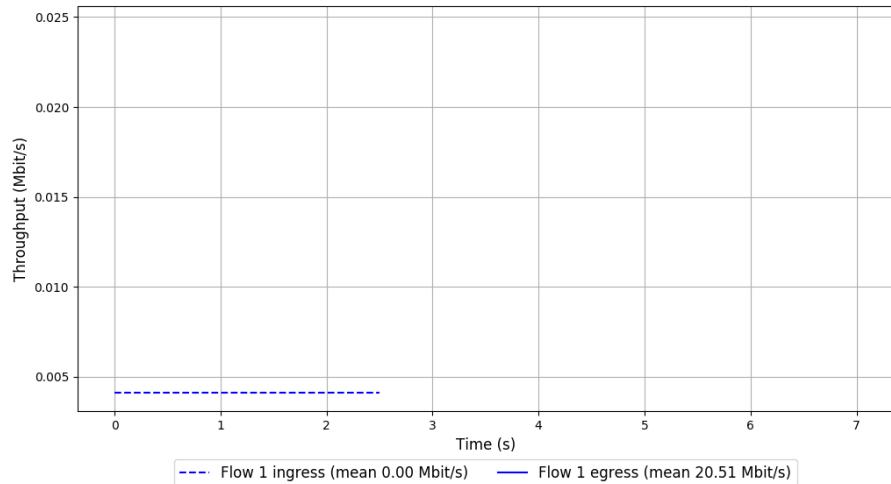


Run 10: Statistics of Vivace-latency

Start at: 2018-01-31 05:05:54

End at: 2018-01-31 05:06:24

Run 10: Report of Vivace-latency — Data Link



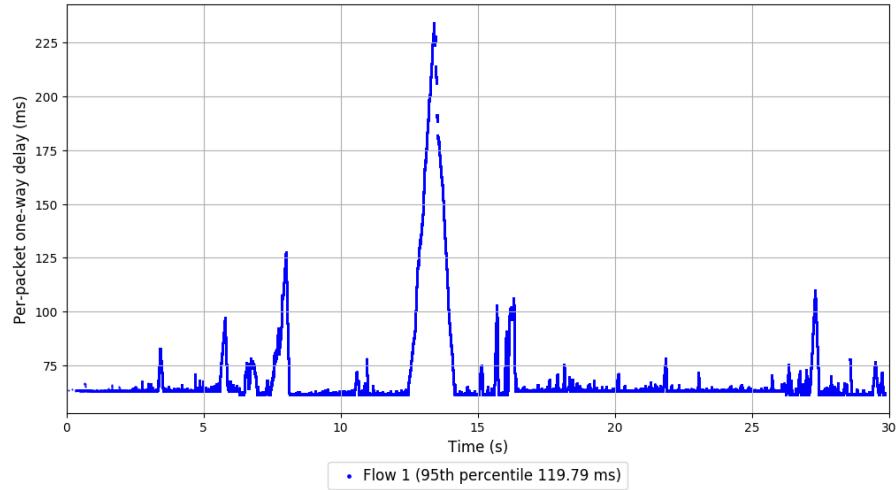
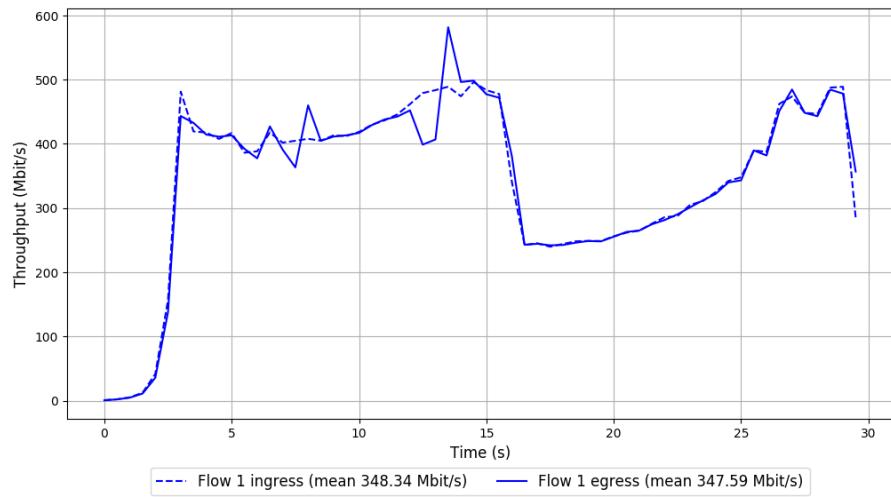
```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-01-31 02:59:28
```

```
End at: 2018-01-31 02:59:58
```

```
# Below is generated by plot.py at 2018-01-31 06:55:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.59 Mbit/s
95th percentile per-packet one-way delay: 119.790 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 347.59 Mbit/s
95th percentile per-packet one-way delay: 119.790 ms
Loss rate: 0.22%
```

Run 1: Report of Vivace-loss — Data Link



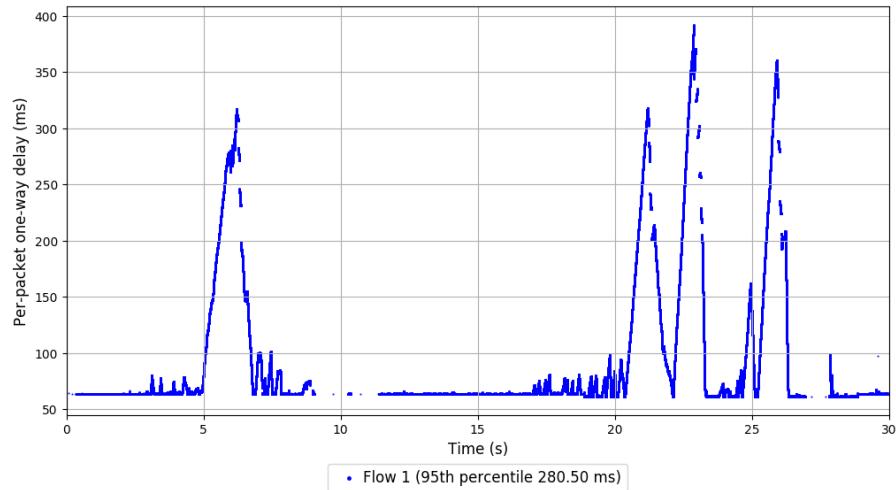
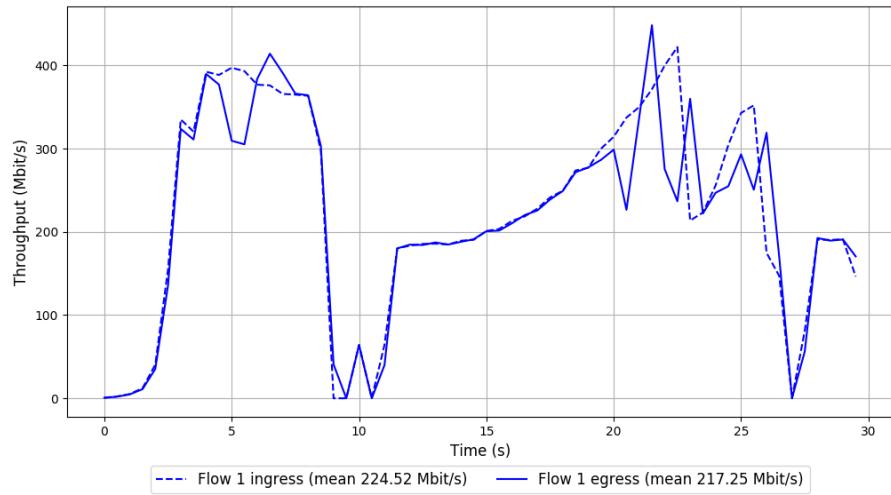
Run 2: Statistics of Vivace-loss

Start at: 2018-01-31 03:13:05

End at: 2018-01-31 03:13:35

```
# Below is generated by plot.py at 2018-01-31 06:55:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.25 Mbit/s
95th percentile per-packet one-way delay: 280.503 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 217.25 Mbit/s
95th percentile per-packet one-way delay: 280.503 ms
Loss rate: 3.24%
```

Run 2: Report of Vivace-loss — Data Link



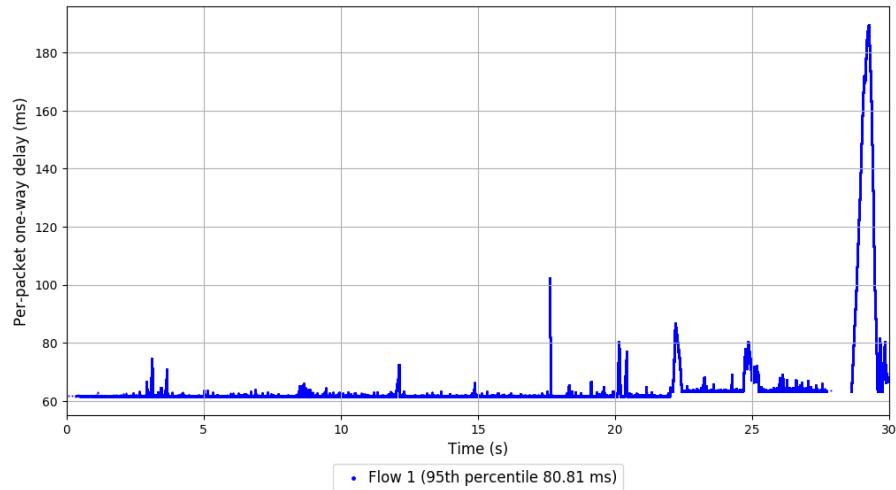
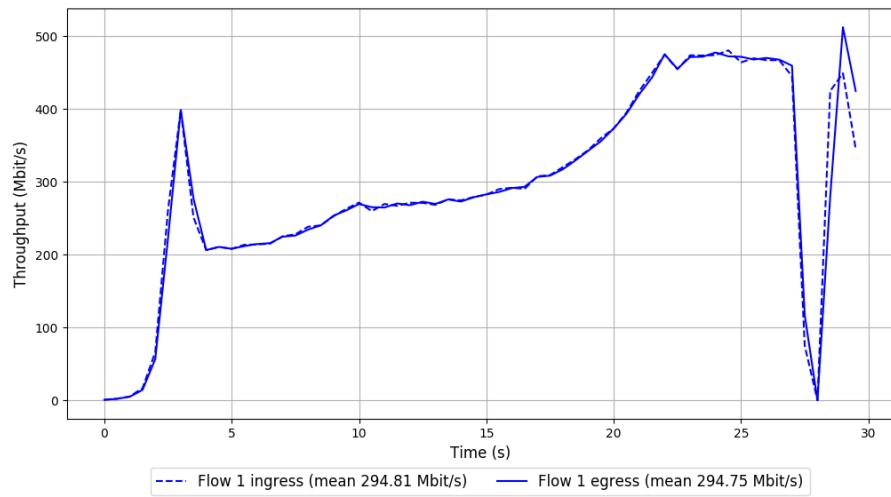
Run 3: Statistics of Vivace-loss

Start at: 2018-01-31 03:26:22

End at: 2018-01-31 03:26:52

```
# Below is generated by plot.py at 2018-01-31 06:55:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.75 Mbit/s
95th percentile per-packet one-way delay: 80.814 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 294.75 Mbit/s
95th percentile per-packet one-way delay: 80.814 ms
Loss rate: 0.01%
```

Run 3: Report of Vivace-loss — Data Link



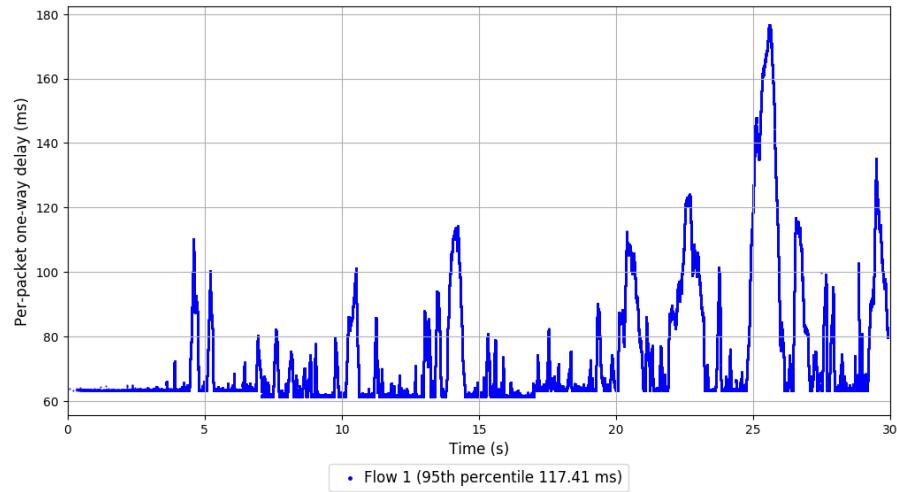
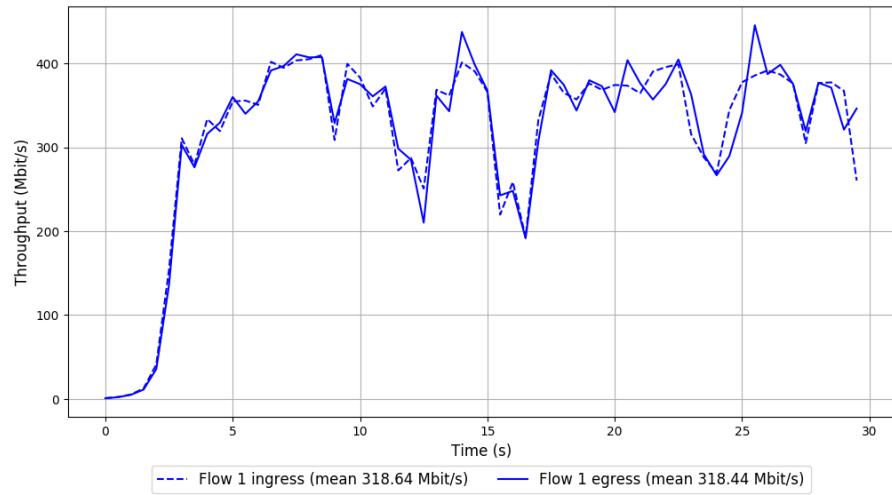
Run 4: Statistics of Vivace-loss

Start at: 2018-01-31 03:40:07

End at: 2018-01-31 03:40:37

```
# Below is generated by plot.py at 2018-01-31 06:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.44 Mbit/s
95th percentile per-packet one-way delay: 117.414 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 318.44 Mbit/s
95th percentile per-packet one-way delay: 117.414 ms
Loss rate: 0.06%
```

Run 4: Report of Vivace-loss — Data Link



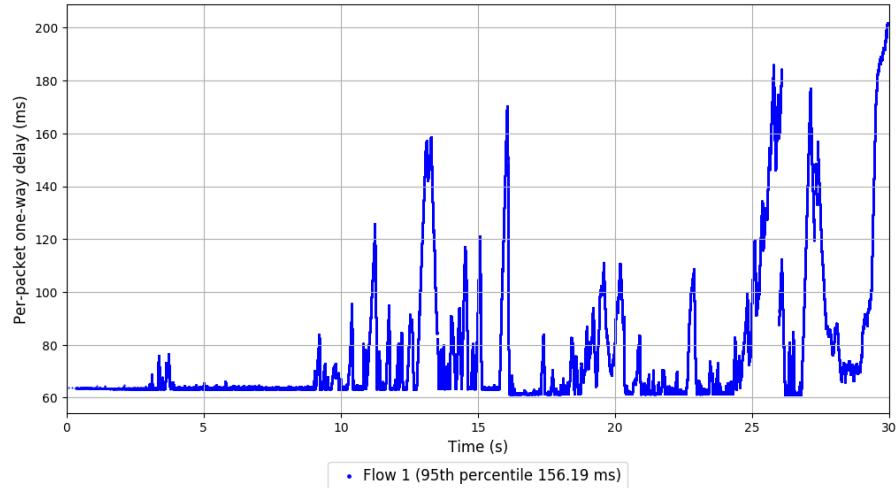
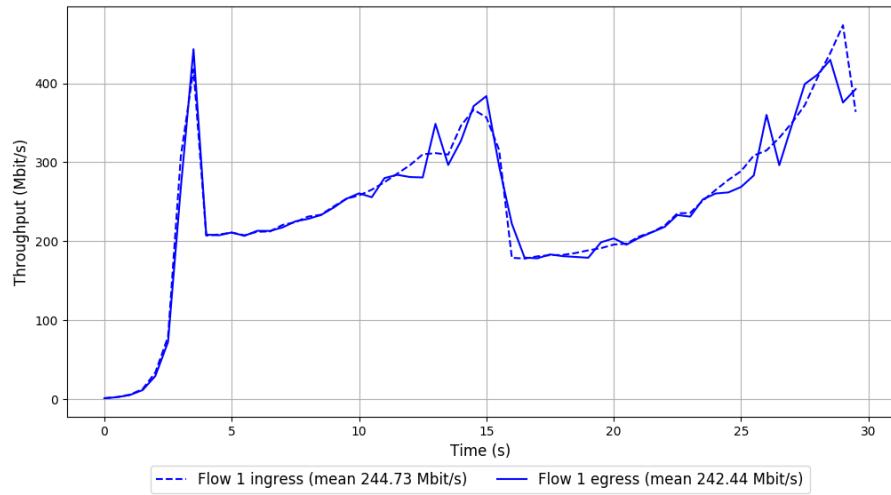
Run 5: Statistics of Vivace-loss

Start at: 2018-01-31 03:53:28

End at: 2018-01-31 03:53:58

```
# Below is generated by plot.py at 2018-01-31 06:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.44 Mbit/s
95th percentile per-packet one-way delay: 156.188 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 242.44 Mbit/s
95th percentile per-packet one-way delay: 156.188 ms
Loss rate: 0.94%
```

Run 5: Report of Vivace-loss — Data Link



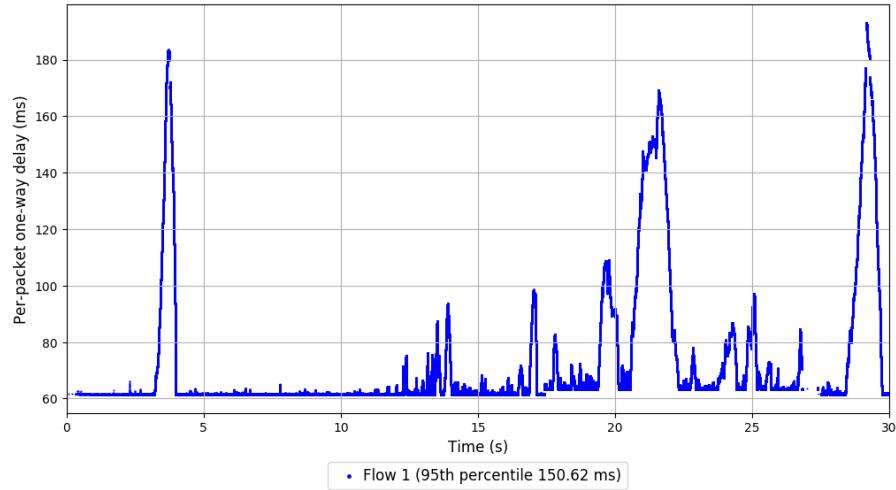
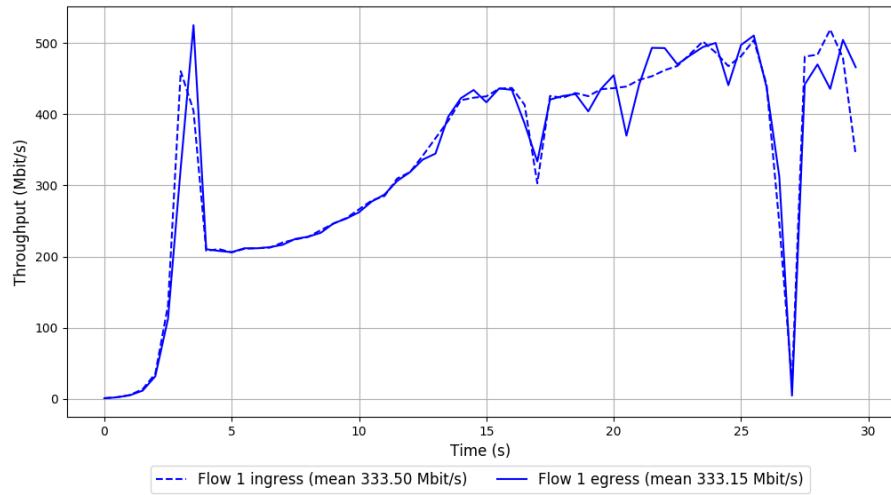
Run 6: Statistics of Vivace-loss

Start at: 2018-01-31 04:06:46

End at: 2018-01-31 04:07:16

```
# Below is generated by plot.py at 2018-01-31 06:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.15 Mbit/s
95th percentile per-packet one-way delay: 150.620 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 333.15 Mbit/s
95th percentile per-packet one-way delay: 150.620 ms
Loss rate: 0.11%
```

Run 6: Report of Vivace-loss — Data Link



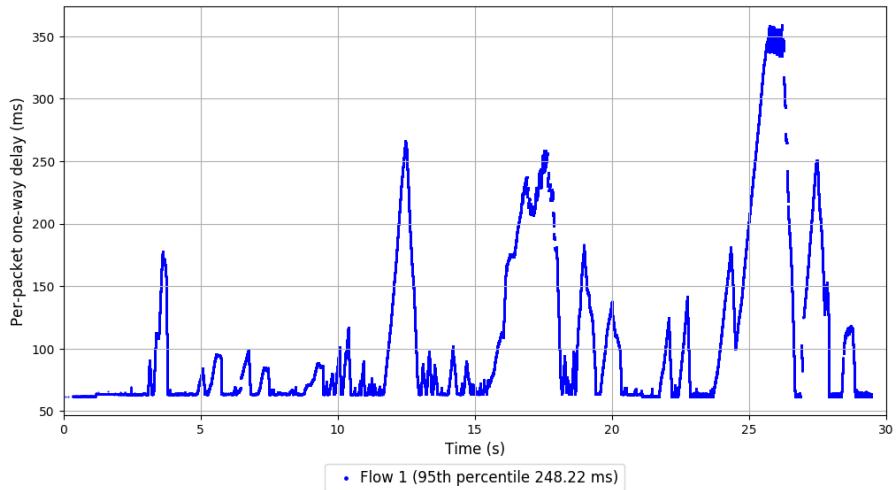
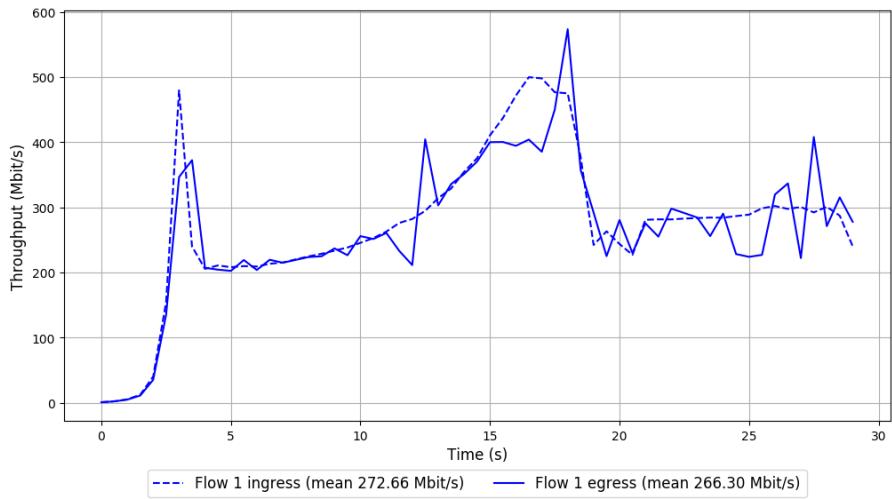
Run 7: Statistics of Vivace-loss

Start at: 2018-01-31 04:20:03

End at: 2018-01-31 04:20:33

```
# Below is generated by plot.py at 2018-01-31 06:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.30 Mbit/s
95th percentile per-packet one-way delay: 248.219 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 266.30 Mbit/s
95th percentile per-packet one-way delay: 248.219 ms
Loss rate: 2.33%
```

Run 7: Report of Vivace-loss — Data Link



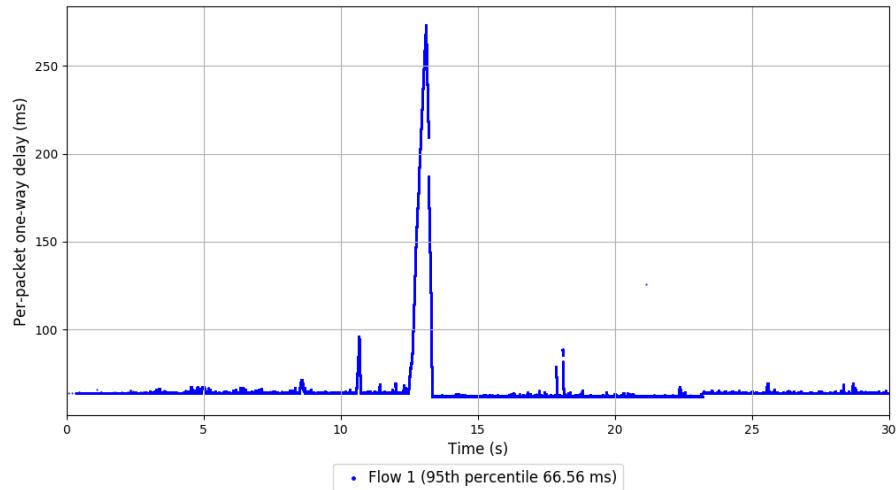
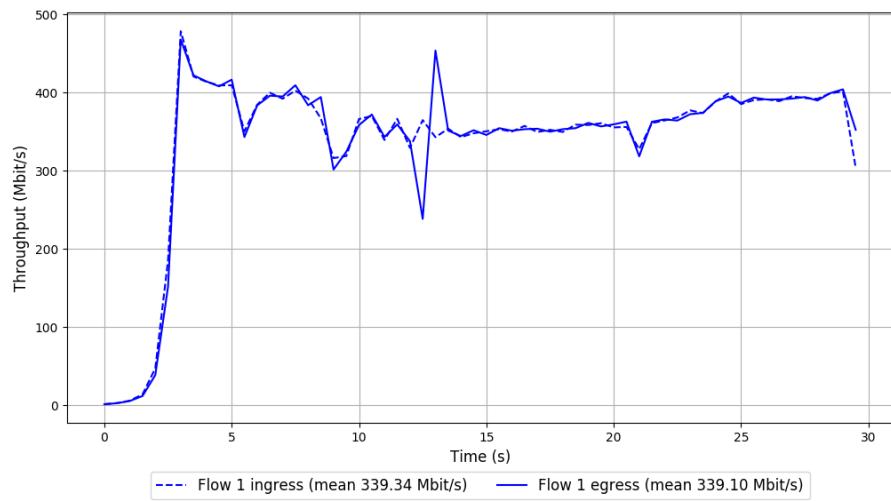
Run 8: Statistics of Vivace-loss

Start at: 2018-01-31 04:33:21

End at: 2018-01-31 04:33:51

```
# Below is generated by plot.py at 2018-01-31 06:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.10 Mbit/s
95th percentile per-packet one-way delay: 66.556 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 339.10 Mbit/s
95th percentile per-packet one-way delay: 66.556 ms
Loss rate: 0.07%
```

Run 8: Report of Vivace-loss — Data Link



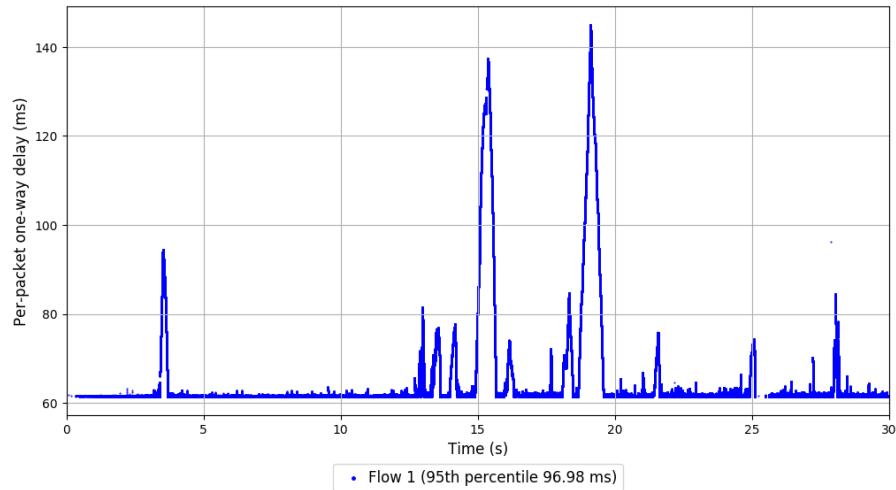
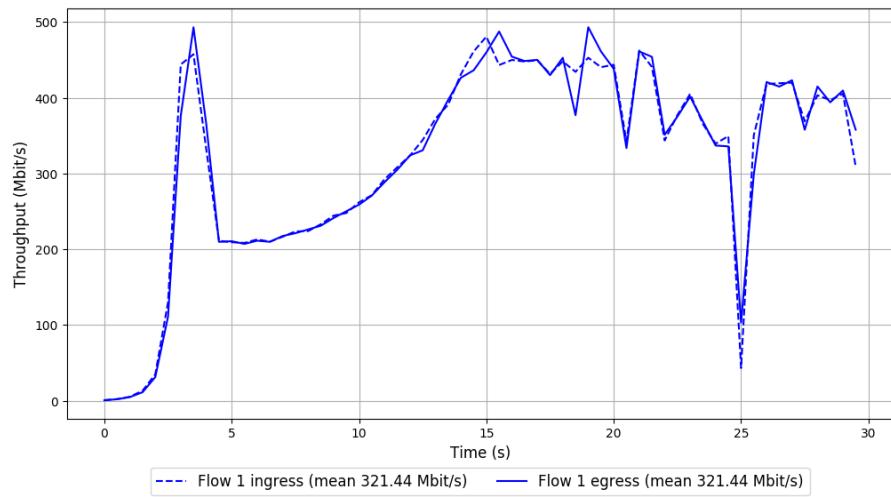
Run 9: Statistics of Vivace-loss

Start at: 2018-01-31 04:46:39

End at: 2018-01-31 04:47:09

```
# Below is generated by plot.py at 2018-01-31 06:59:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.44 Mbit/s
95th percentile per-packet one-way delay: 96.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.44 Mbit/s
95th percentile per-packet one-way delay: 96.977 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-loss — Data Link



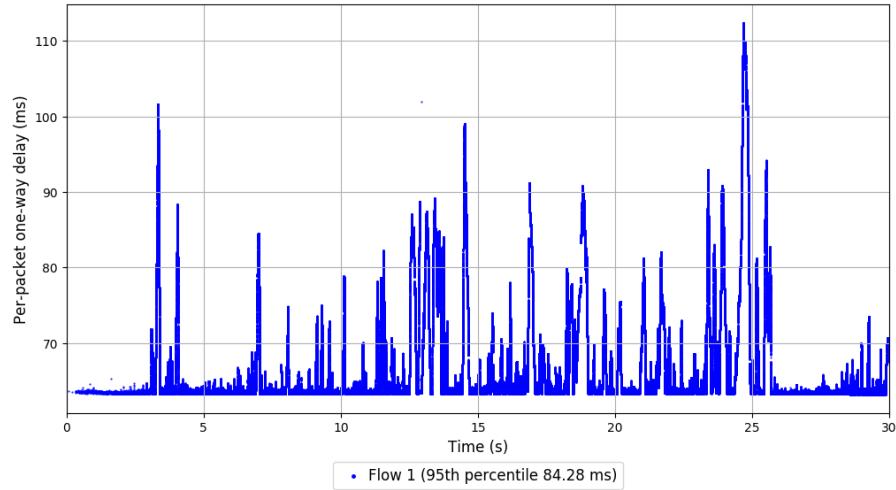
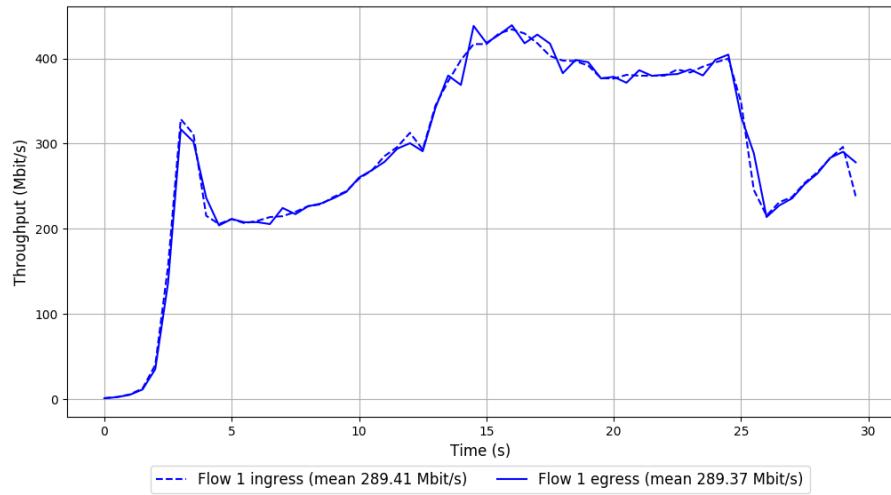
Run 10: Statistics of Vivace-loss

Start at: 2018-01-31 05:00:25

End at: 2018-01-31 05:00:55

```
# Below is generated by plot.py at 2018-01-31 07:00:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 289.37 Mbit/s
95th percentile per-packet one-way delay: 84.277 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 289.37 Mbit/s
95th percentile per-packet one-way delay: 84.277 ms
Loss rate: 0.01%
```

Run 10: Report of Vivace-loss — Data Link



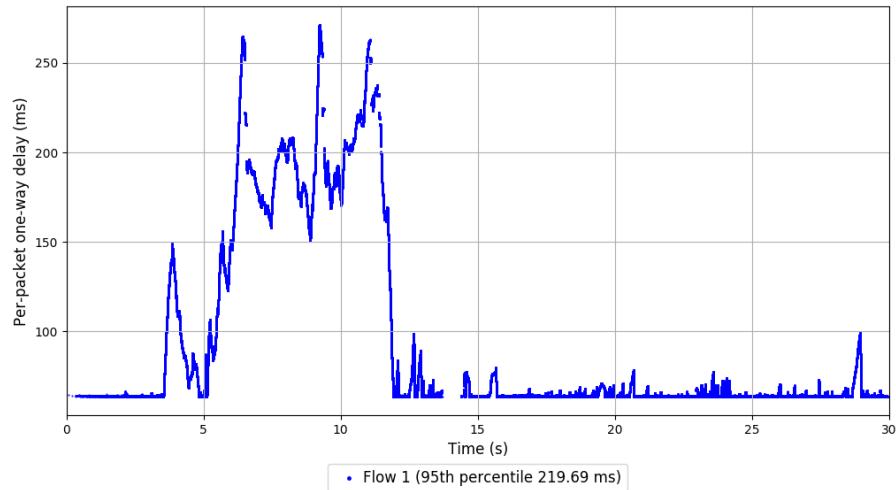
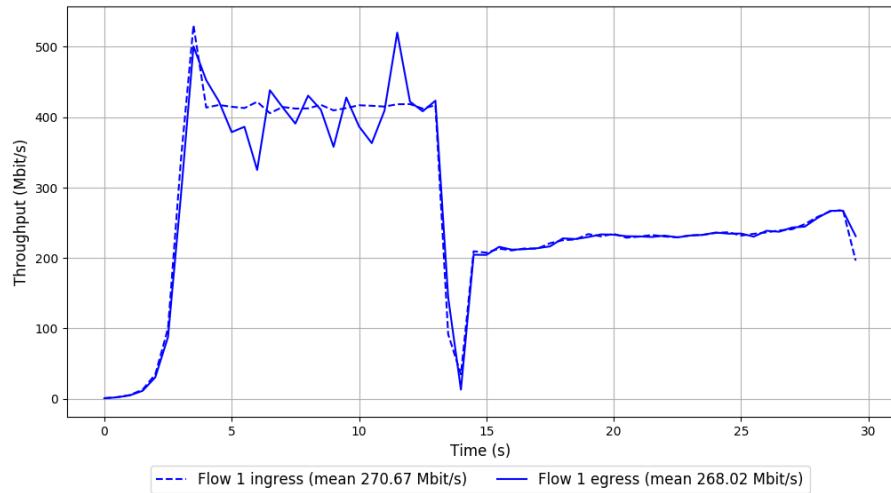
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-31 03:08:39

End at: 2018-01-31 03:09:09

```
# Below is generated by plot.py at 2018-01-31 07:00:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 268.02 Mbit/s
95th percentile per-packet one-way delay: 219.688 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 268.02 Mbit/s
95th percentile per-packet one-way delay: 219.688 ms
Loss rate: 0.98%
```

Run 1: Report of Vivace-LTE — Data Link



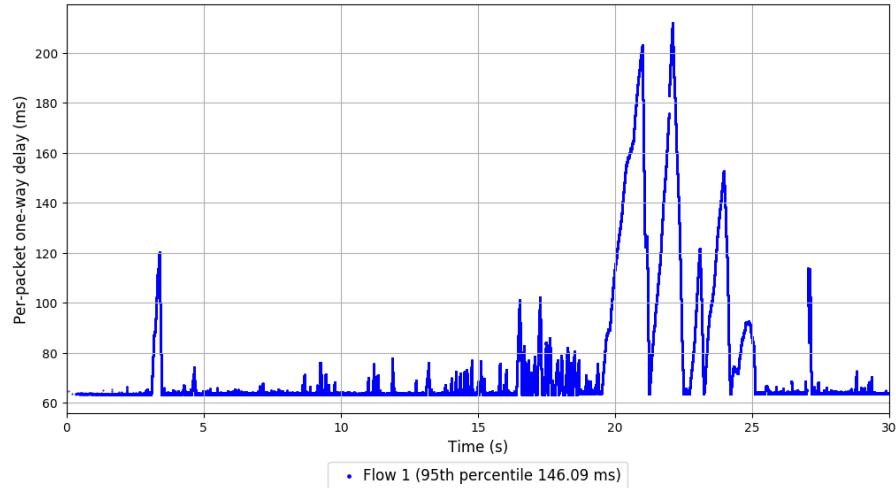
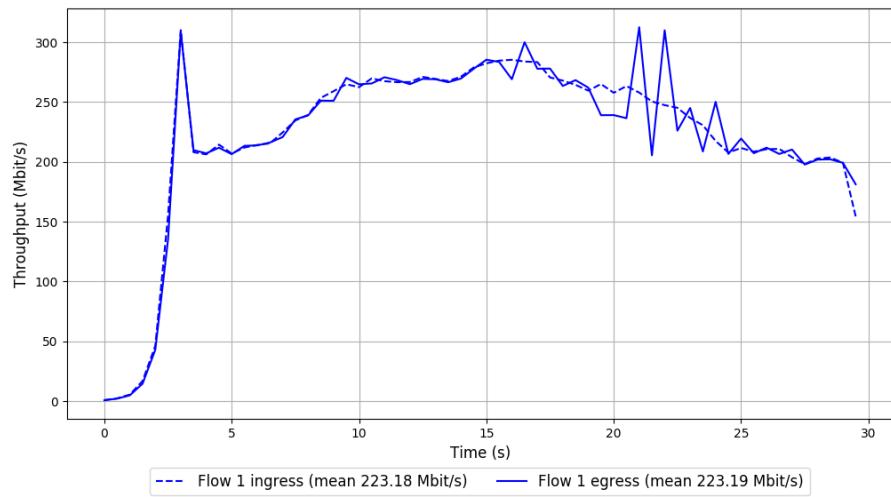
Run 2: Statistics of Vivace-LTE

Start at: 2018-01-31 03:21:55

End at: 2018-01-31 03:22:25

```
# Below is generated by plot.py at 2018-01-31 07:00:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.19 Mbit/s
95th percentile per-packet one-way delay: 146.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.19 Mbit/s
95th percentile per-packet one-way delay: 146.085 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-LTE — Data Link



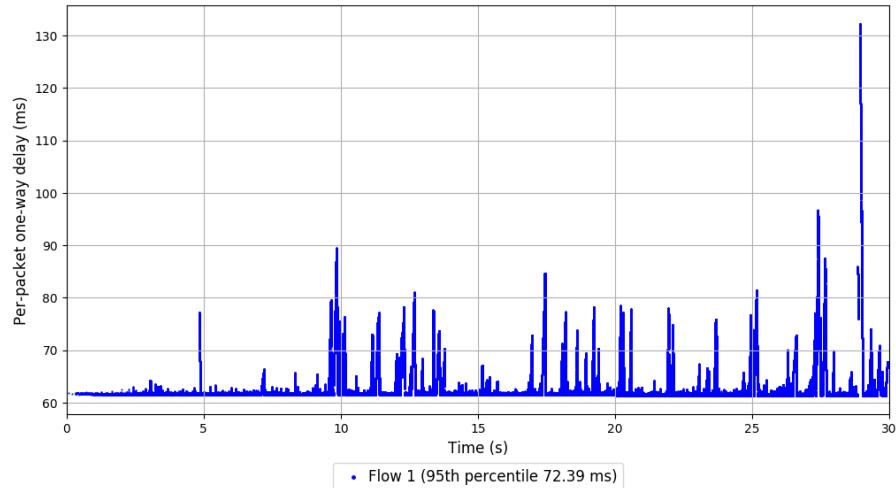
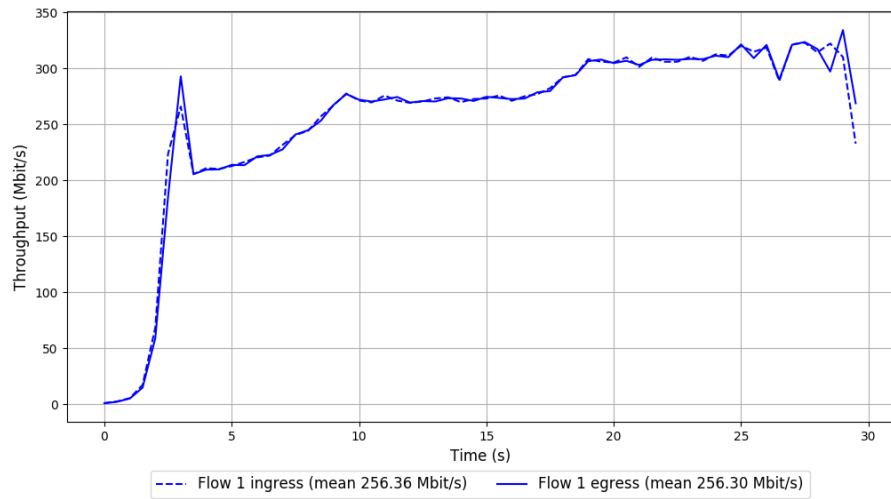
Run 3: Statistics of Vivace-LTE

Start at: 2018-01-31 03:35:34

End at: 2018-01-31 03:36:04

```
# Below is generated by plot.py at 2018-01-31 07:01:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.30 Mbit/s
95th percentile per-packet one-way delay: 72.385 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 256.30 Mbit/s
95th percentile per-packet one-way delay: 72.385 ms
Loss rate: 0.01%
```

Run 3: Report of Vivace-LTE — Data Link



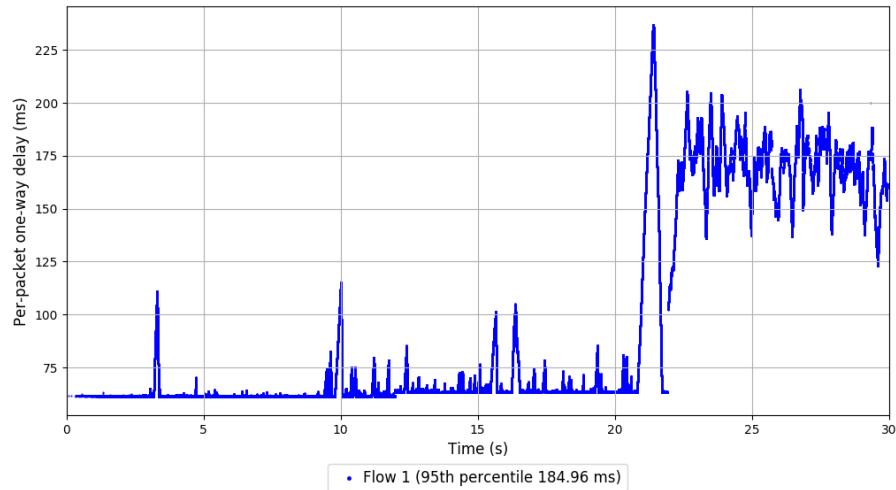
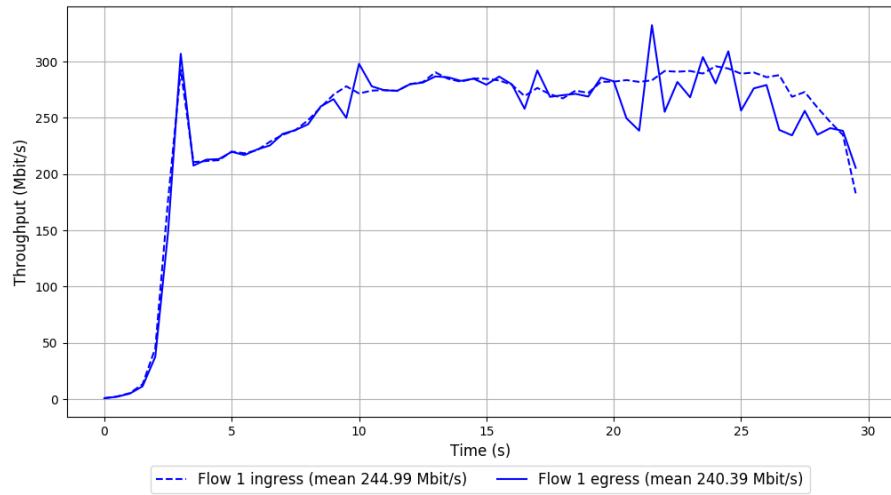
Run 4: Statistics of Vivace-LTE

Start at: 2018-01-31 03:49:02

End at: 2018-01-31 03:49:32

```
# Below is generated by plot.py at 2018-01-31 07:02:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.39 Mbit/s
95th percentile per-packet one-way delay: 184.961 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 240.39 Mbit/s
95th percentile per-packet one-way delay: 184.961 ms
Loss rate: 1.87%
```

Run 4: Report of Vivace-LTE — Data Link



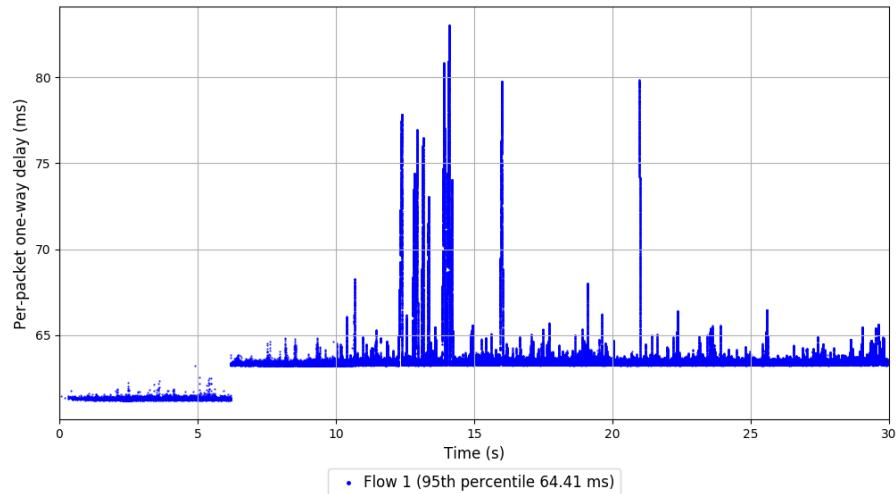
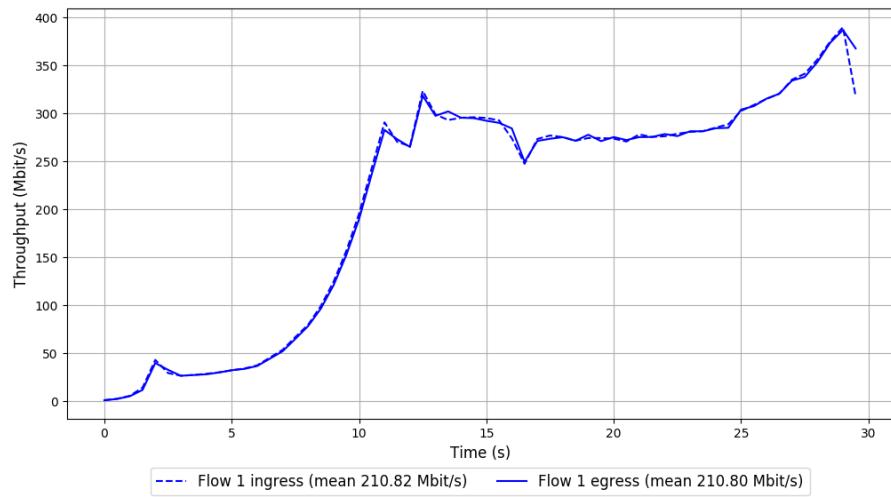
Run 5: Statistics of Vivace-LTE

Start at: 2018-01-31 04:02:18

End at: 2018-01-31 04:02:48

```
# Below is generated by plot.py at 2018-01-31 07:02:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.80 Mbit/s
95th percentile per-packet one-way delay: 64.406 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 210.80 Mbit/s
95th percentile per-packet one-way delay: 64.406 ms
Loss rate: 0.01%
```

Run 5: Report of Vivace-LTE — Data Link



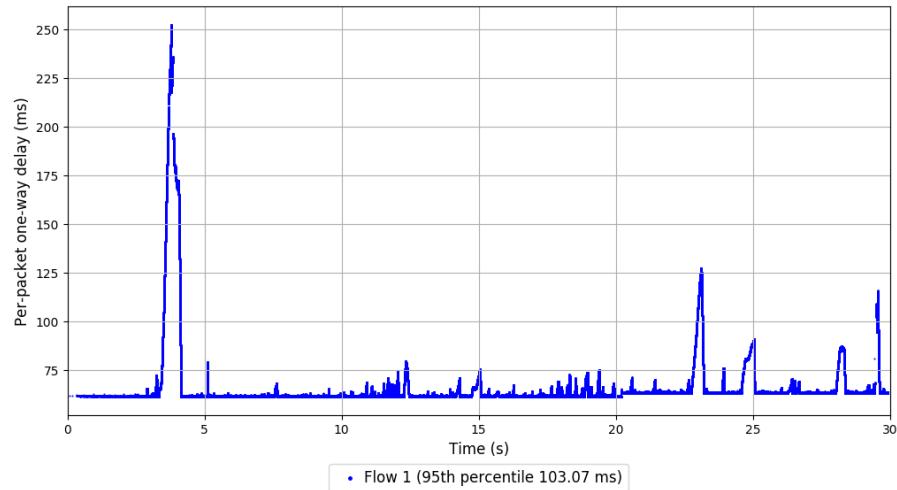
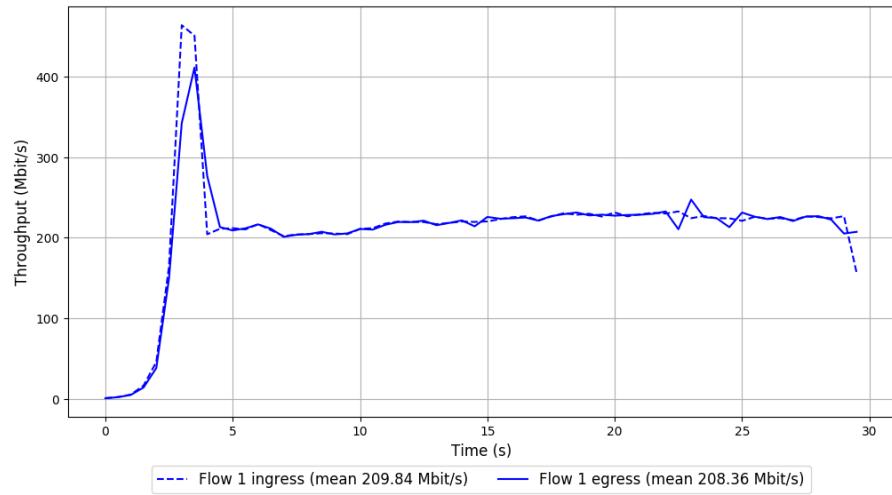
Run 6: Statistics of Vivace-LTE

Start at: 2018-01-31 04:15:34

End at: 2018-01-31 04:16:04

```
# Below is generated by plot.py at 2018-01-31 07:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.36 Mbit/s
95th percentile per-packet one-way delay: 103.067 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 208.36 Mbit/s
95th percentile per-packet one-way delay: 103.067 ms
Loss rate: 0.70%
```

Run 6: Report of Vivace-LTE — Data Link



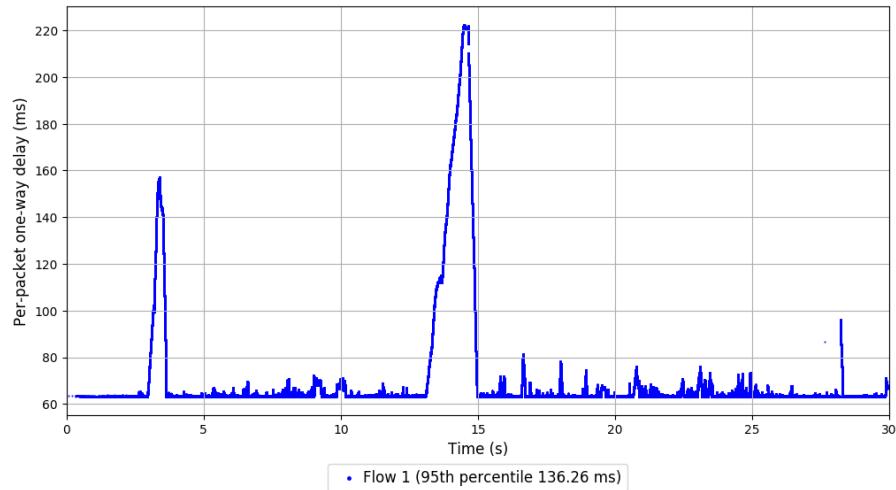
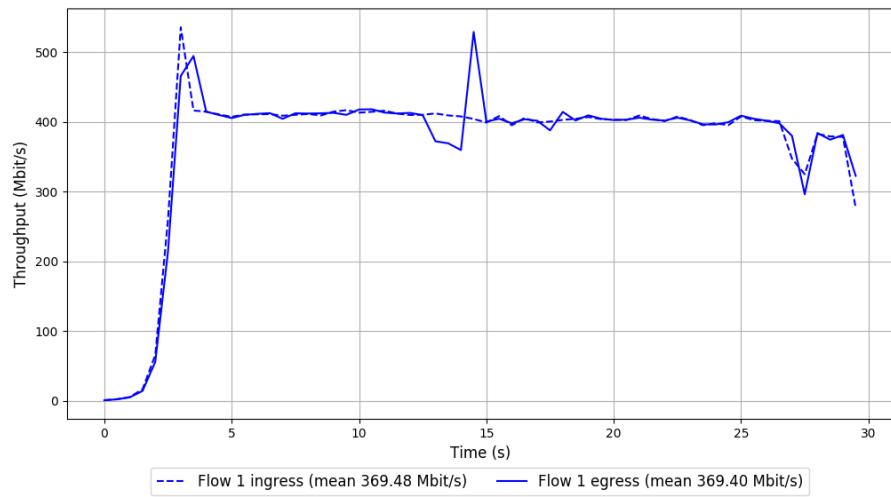
Run 7: Statistics of Vivace-LTE

Start at: 2018-01-31 04:28:39

End at: 2018-01-31 04:29:09

```
# Below is generated by plot.py at 2018-01-31 07:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.40 Mbit/s
95th percentile per-packet one-way delay: 136.258 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 369.40 Mbit/s
95th percentile per-packet one-way delay: 136.258 ms
Loss rate: 0.03%
```

Run 7: Report of Vivace-LTE — Data Link



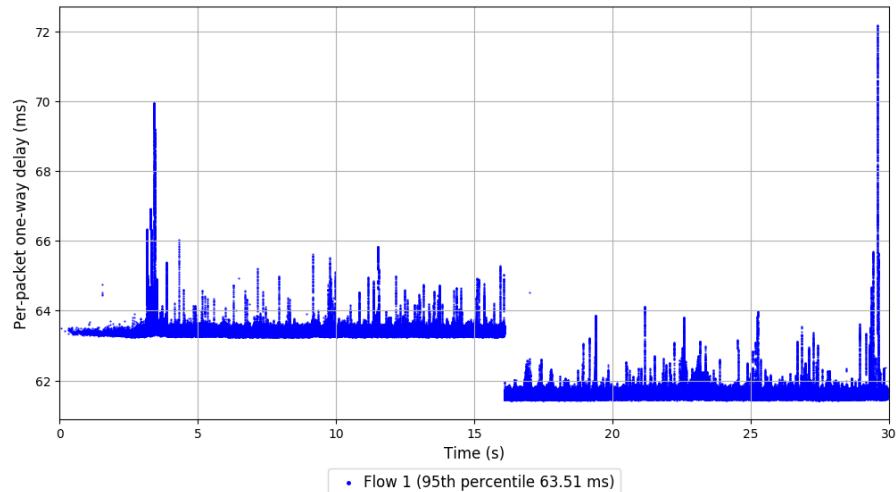
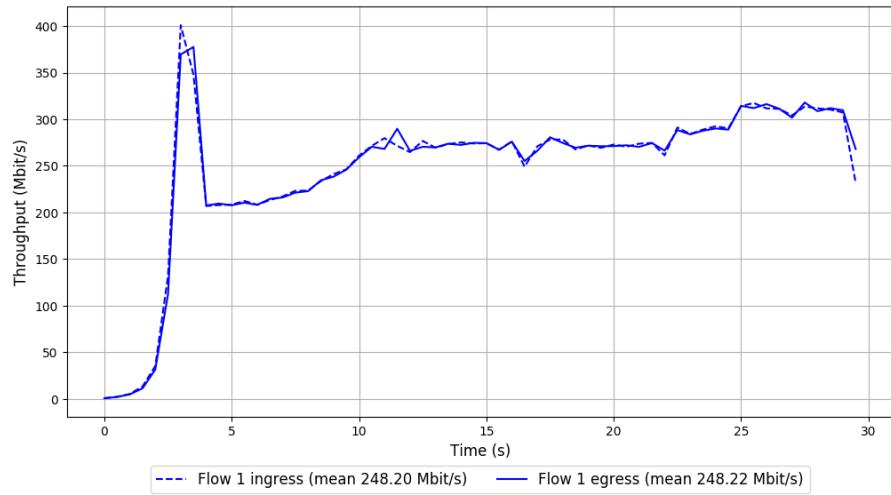
Run 8: Statistics of Vivace-LTE

Start at: 2018-01-31 04:42:08

End at: 2018-01-31 04:42:38

```
# Below is generated by plot.py at 2018-01-31 07:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.22 Mbit/s
95th percentile per-packet one-way delay: 63.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.22 Mbit/s
95th percentile per-packet one-way delay: 63.505 ms
Loss rate: 0.00%
```

Run 8: Report of Vivace-LTE — Data Link



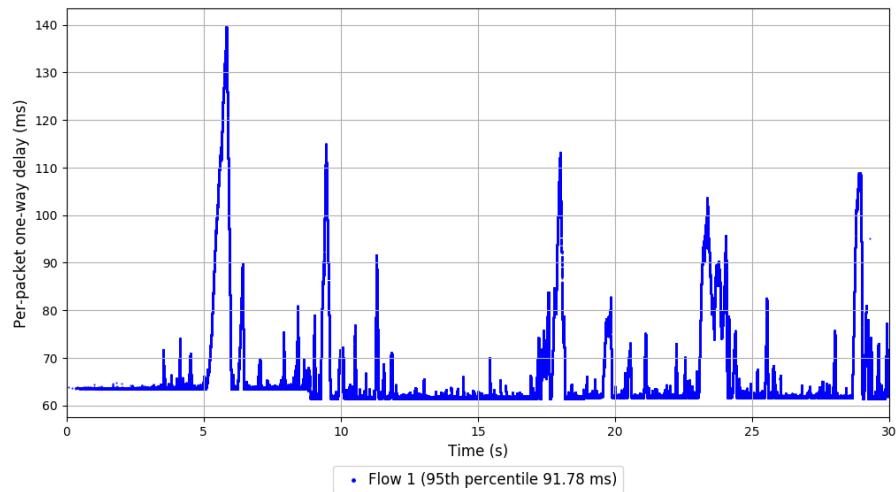
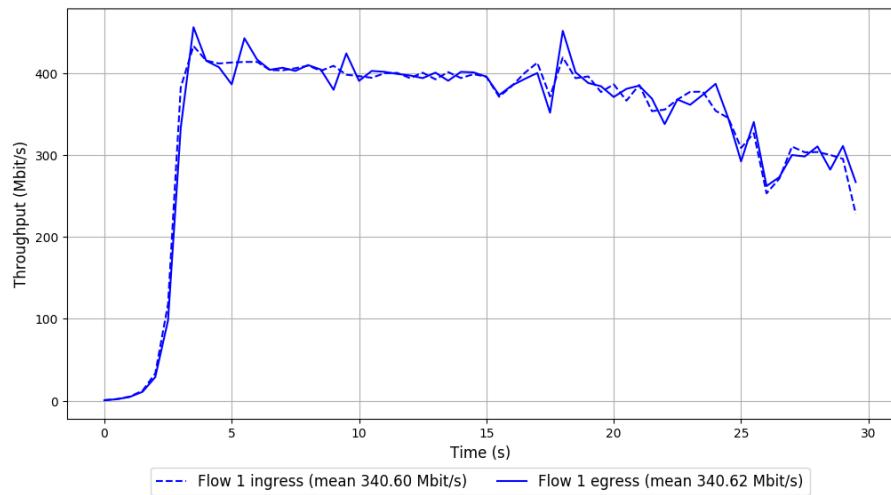
Run 9: Statistics of Vivace-LTE

Start at: 2018-01-31 04:55:45

End at: 2018-01-31 04:56:15

```
# Below is generated by plot.py at 2018-01-31 07:04:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 340.62 Mbit/s
95th percentile per-packet one-way delay: 91.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 340.62 Mbit/s
95th percentile per-packet one-way delay: 91.776 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-31 05:09:10

End at: 2018-01-31 05:09:40

```
# Below is generated by plot.py at 2018-01-31 07:04:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.77 Mbit/s
95th percentile per-packet one-way delay: 63.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 237.77 Mbit/s
95th percentile per-packet one-way delay: 63.545 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

