

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.

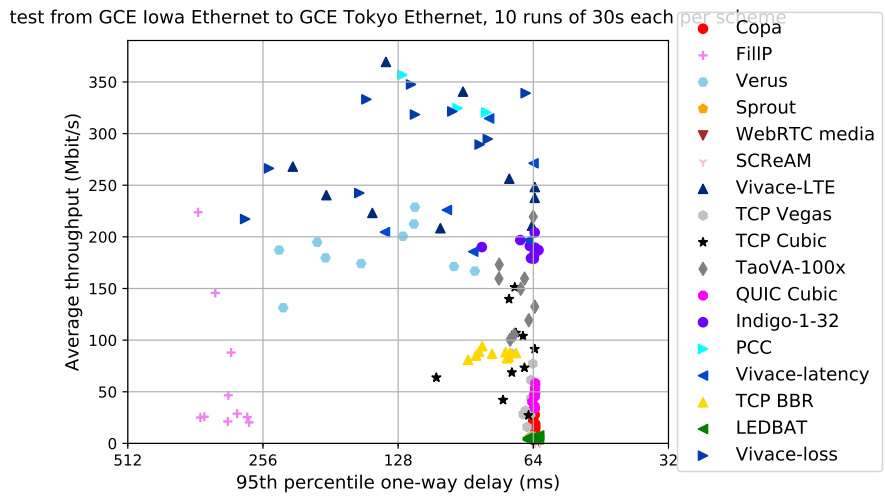
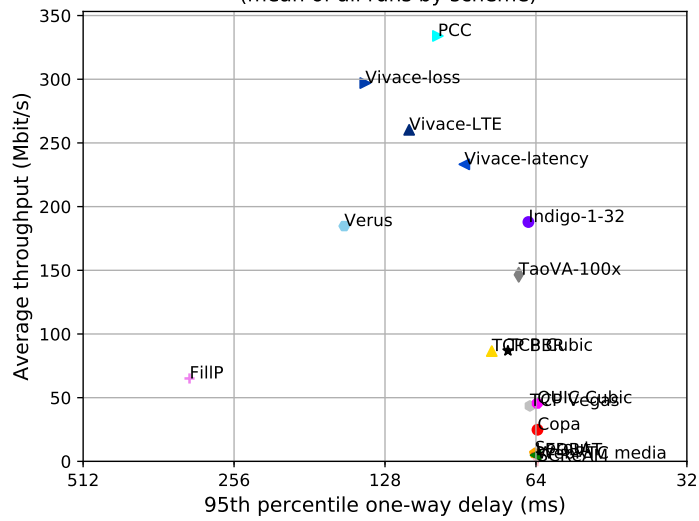
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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 @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
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)



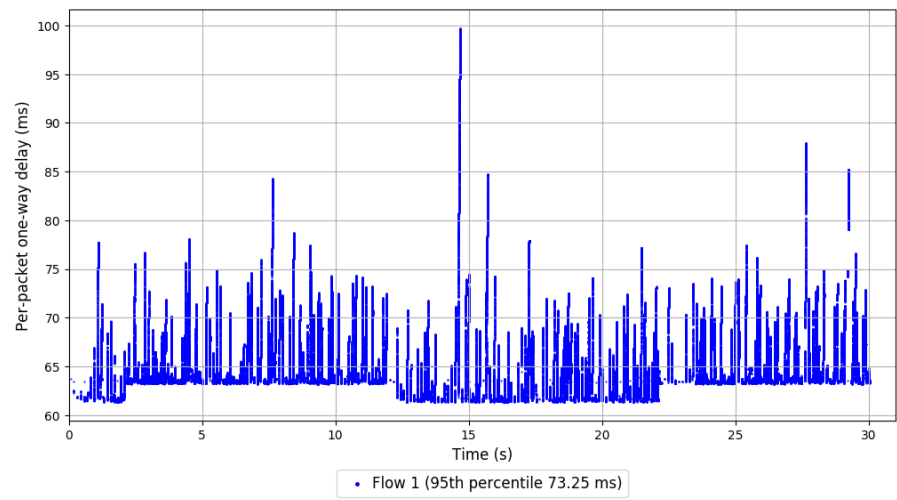
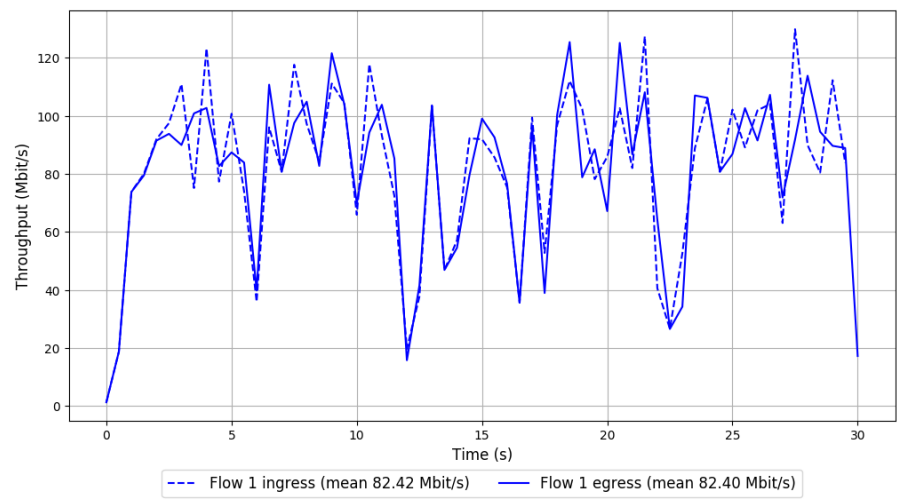
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	86.58	78.39	0.37
TCP Cubic	10	86.83	72.78	0.09
LEDBAT	10	4.80	64.12	0.69
PCC	3	333.97	100.39	0.07
QUIC Cubic	10	45.64	63.61	0.00
SCReAM	10	0.22	63.60	0.01
WebRTC media	10	2.21	63.67	0.00
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%

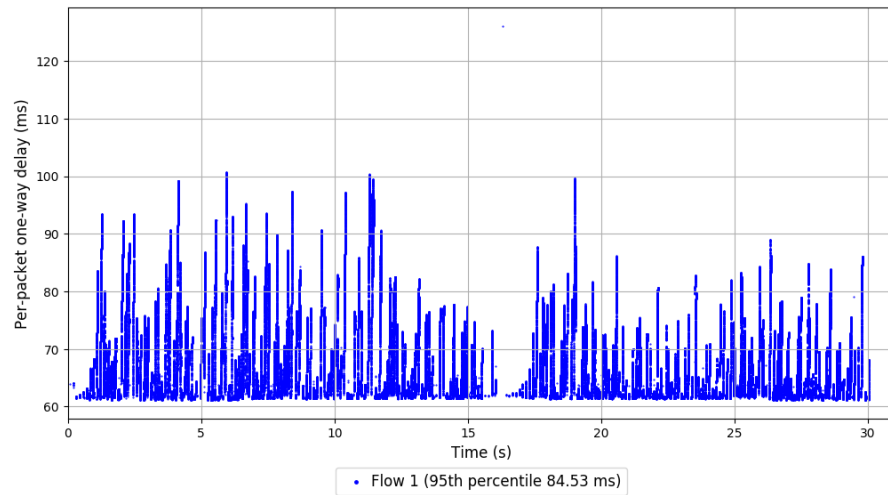
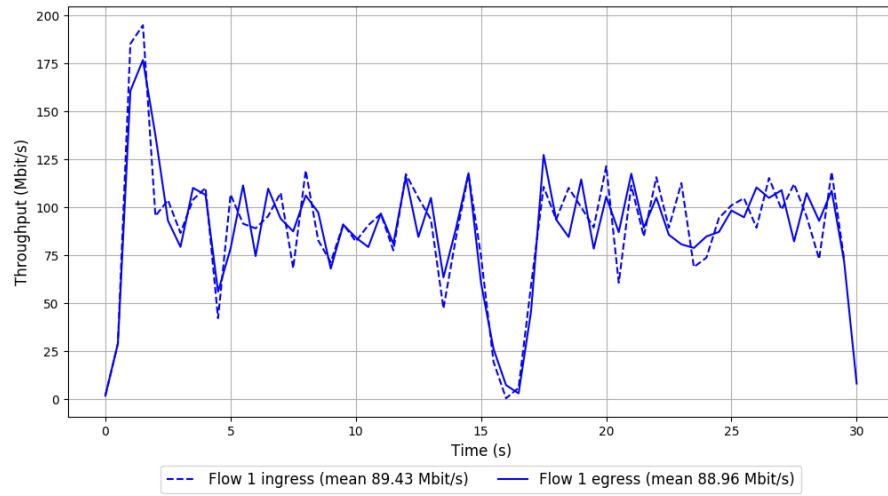
-- Flow 1:

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%

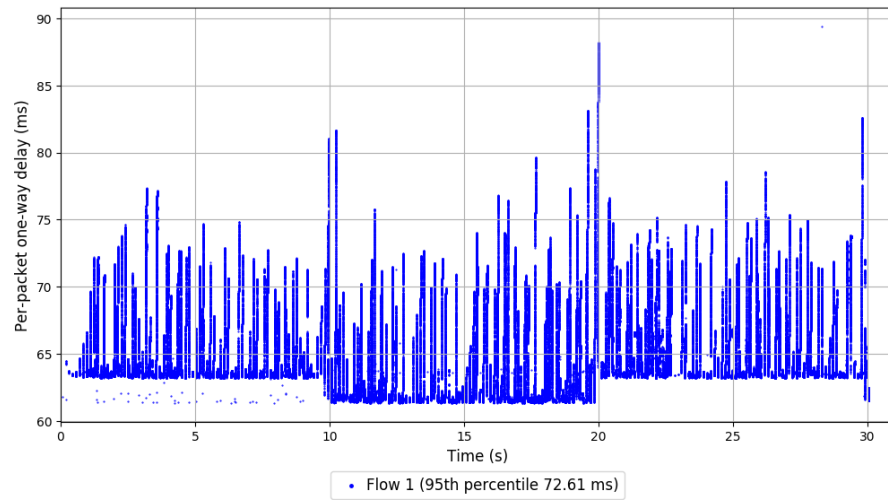
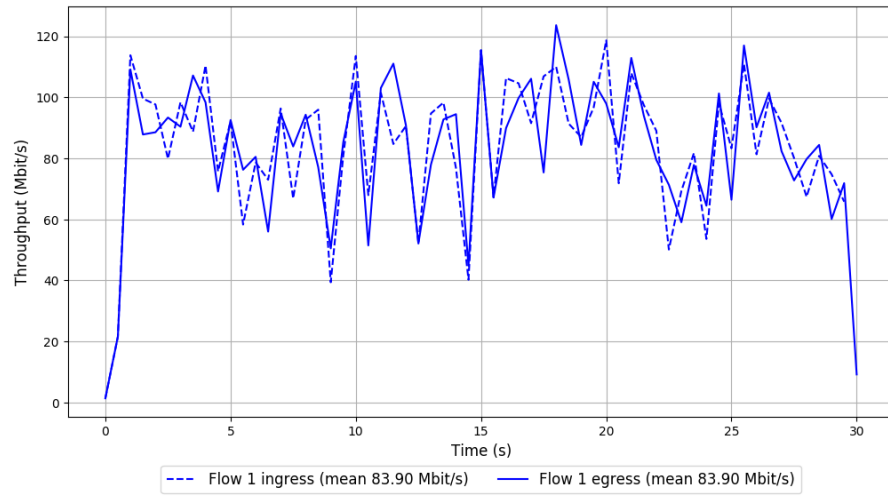
-- Flow 1:

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%

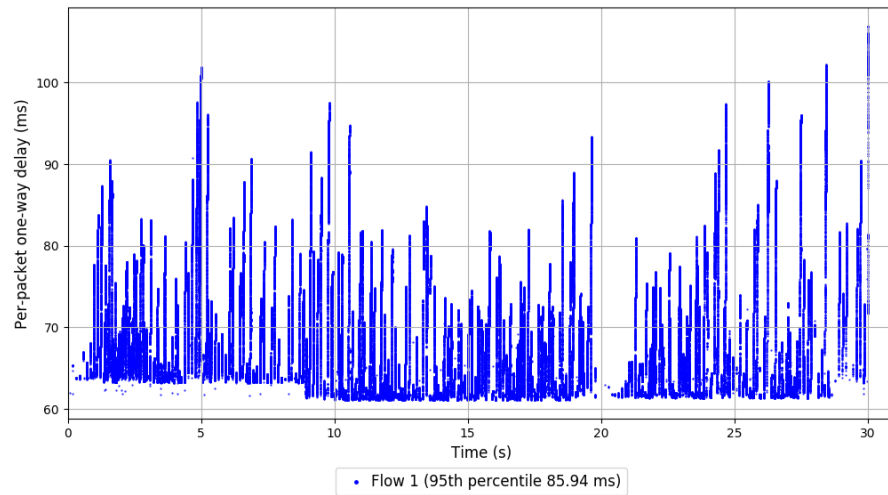
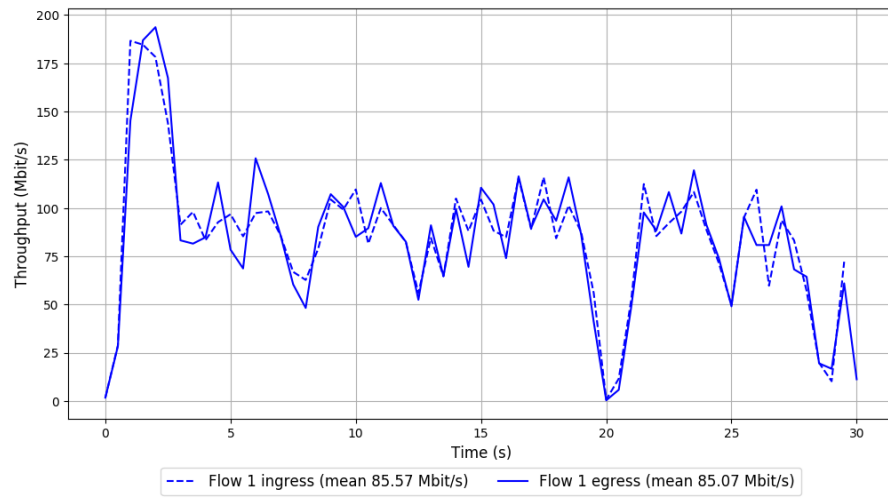
-- Flow 1:

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%

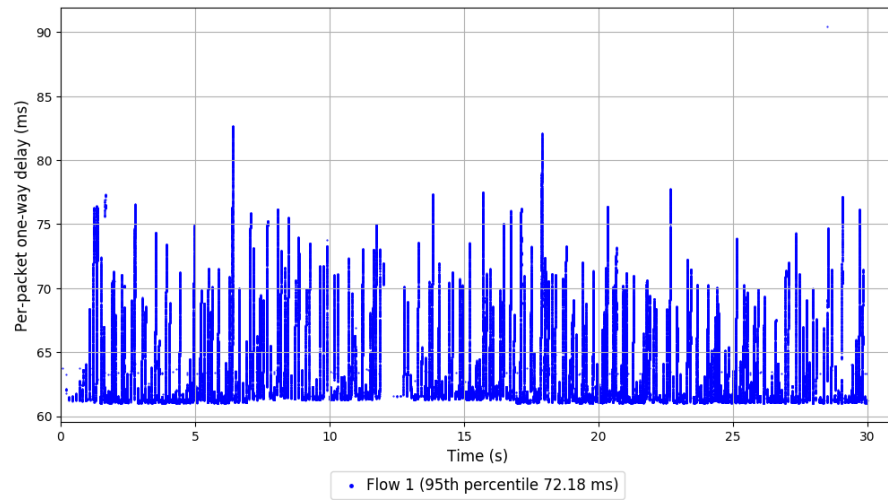
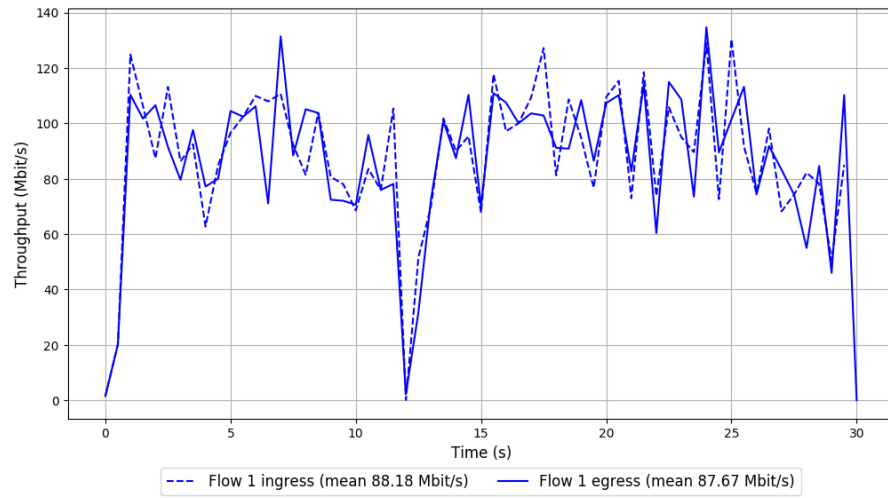
-- Flow 1:

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%

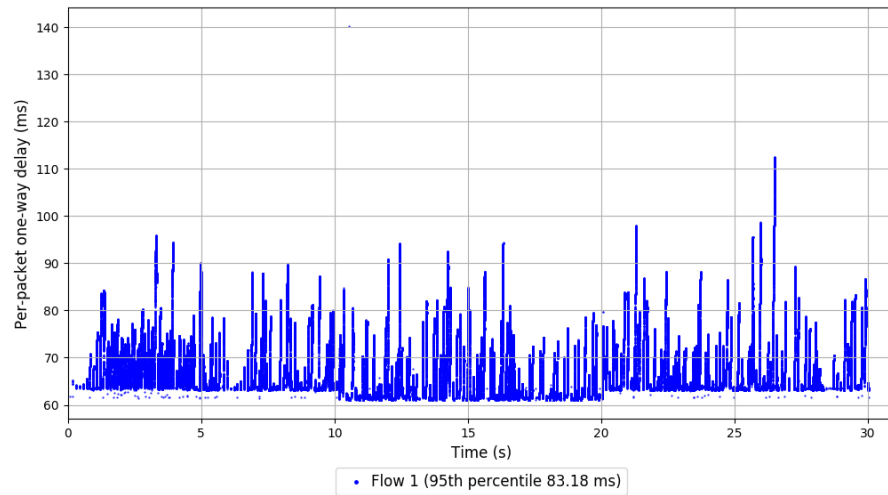
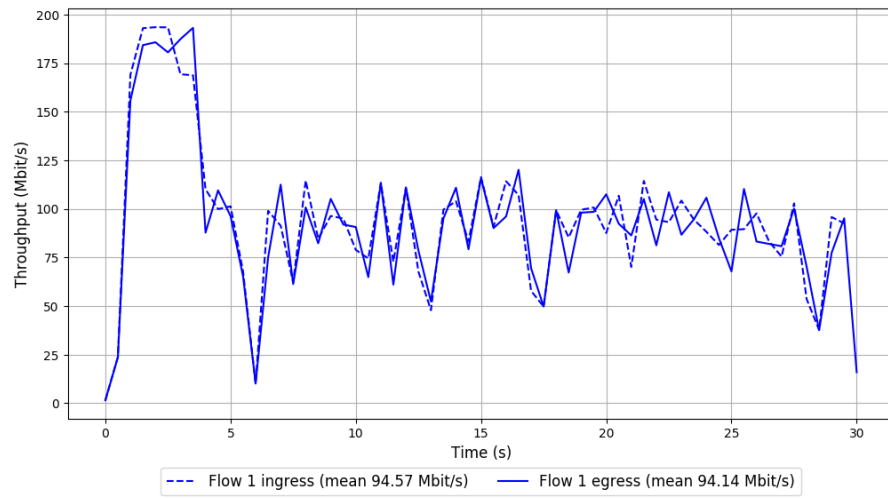
-- Flow 1:

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%

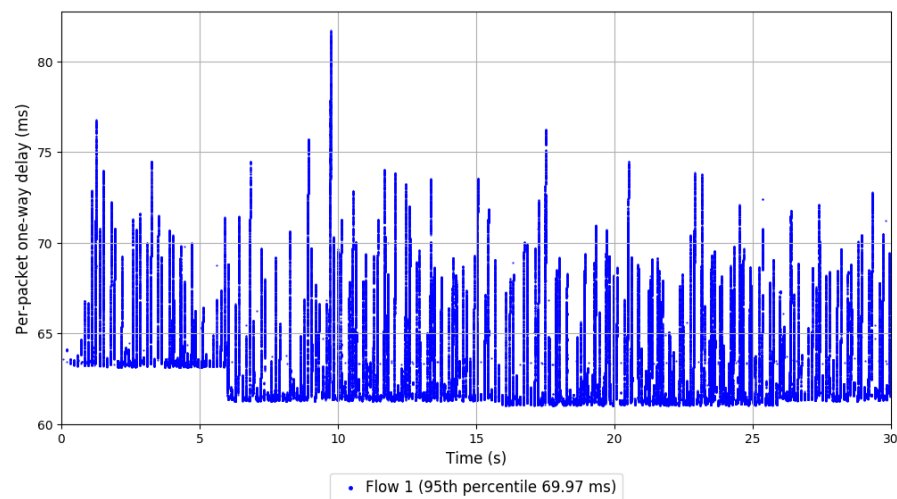
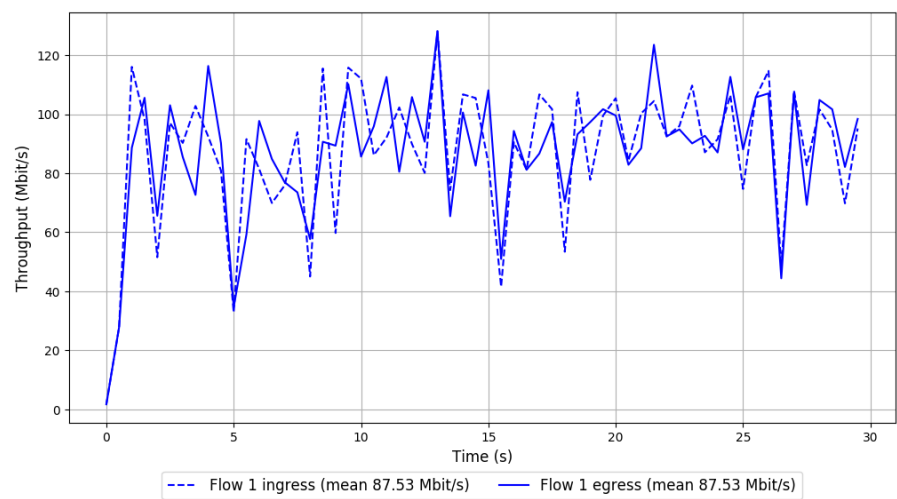
-- Flow 1:

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%

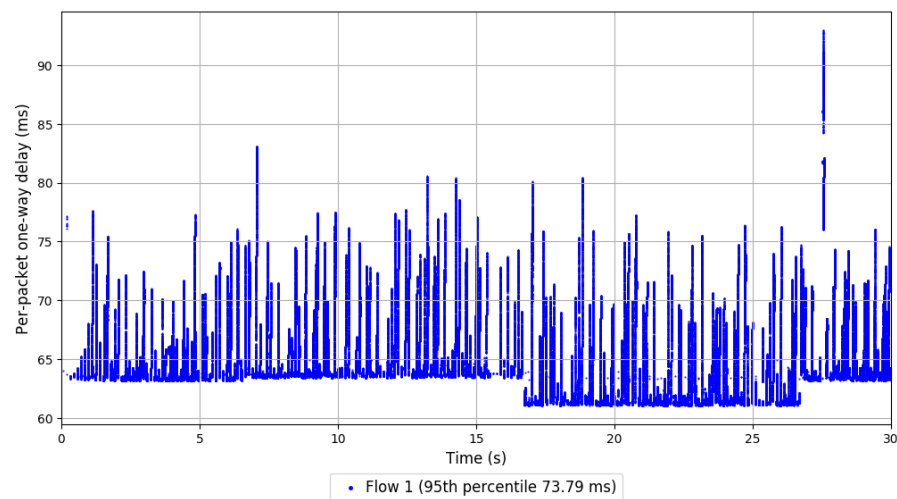
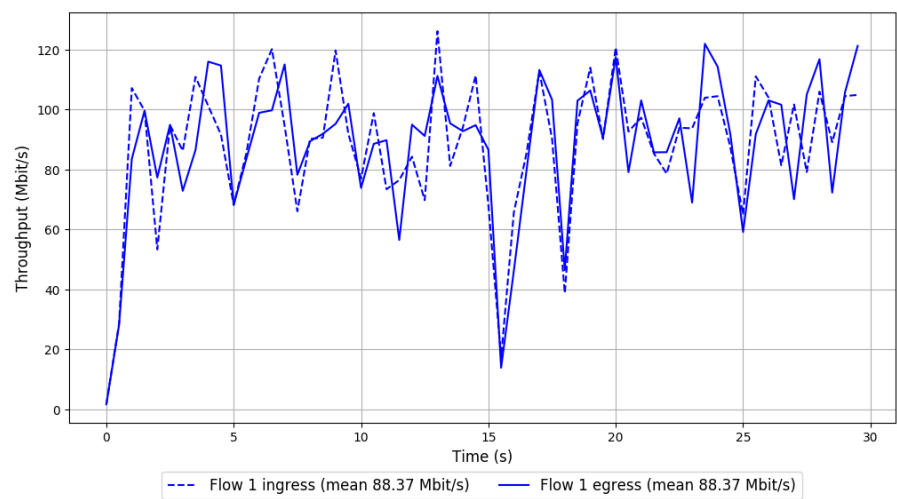
-- Flow 1:

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%

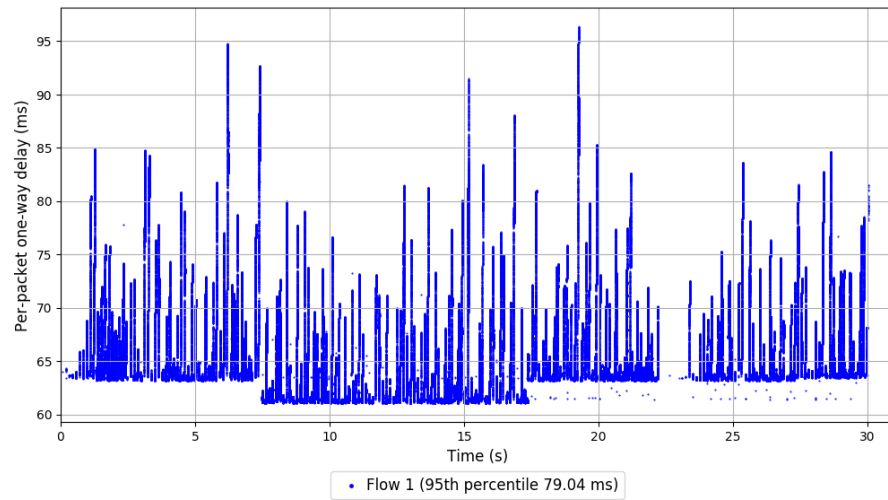
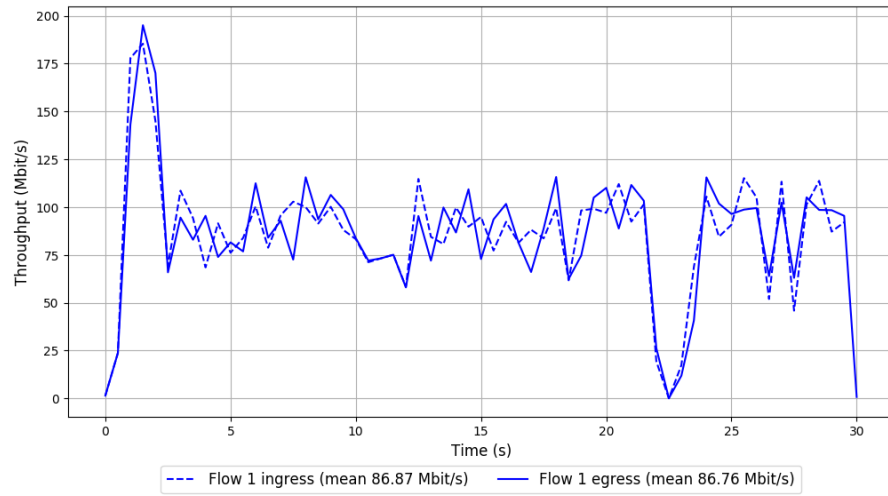
-- Flow 1:

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%

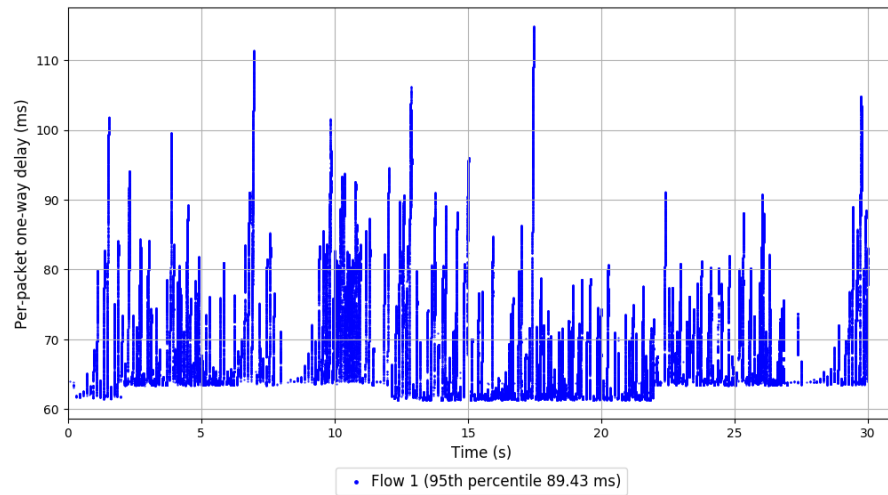
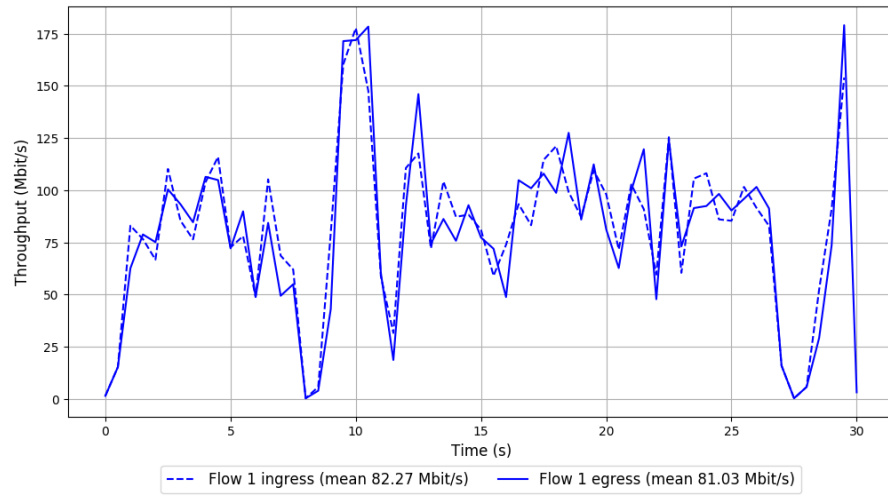
-- Flow 1:

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%

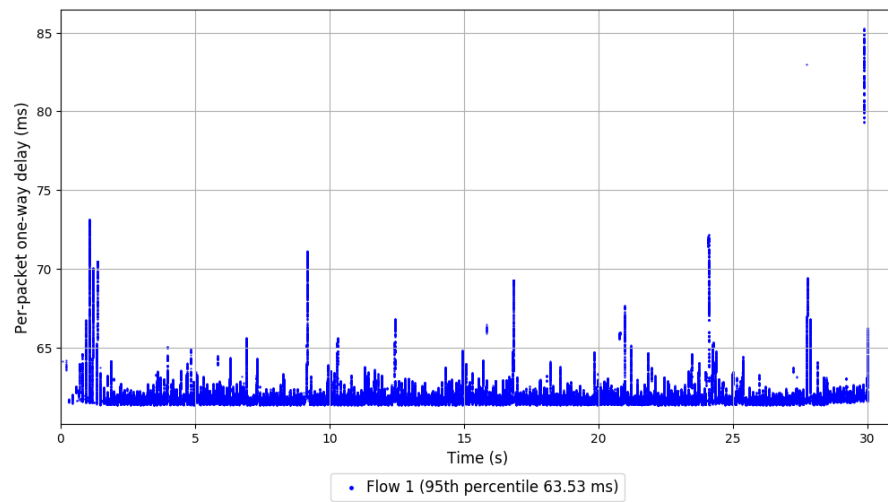
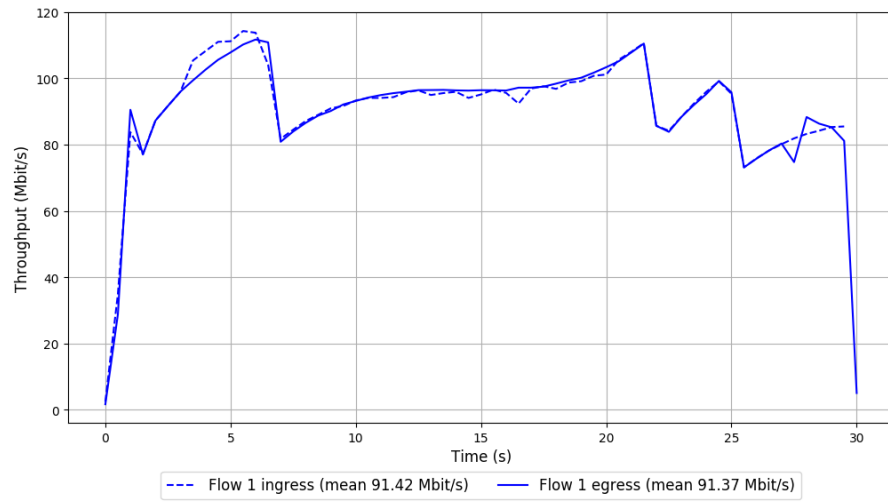
-- Flow 1:

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%

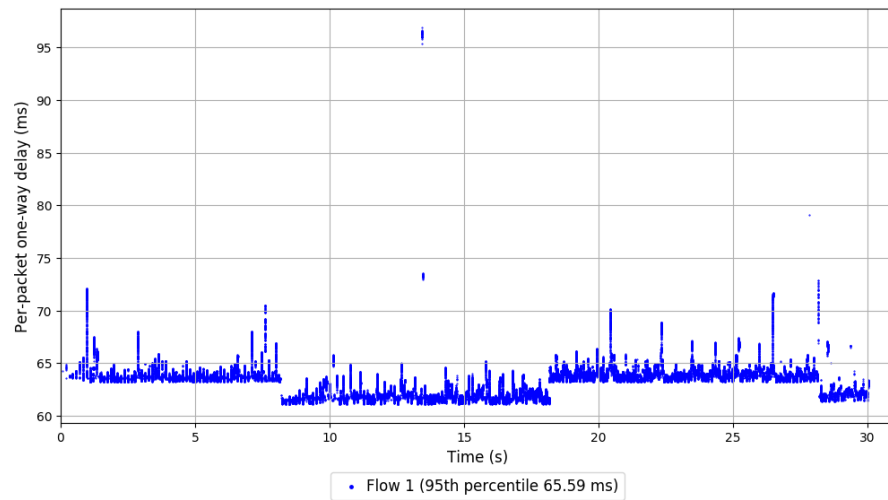
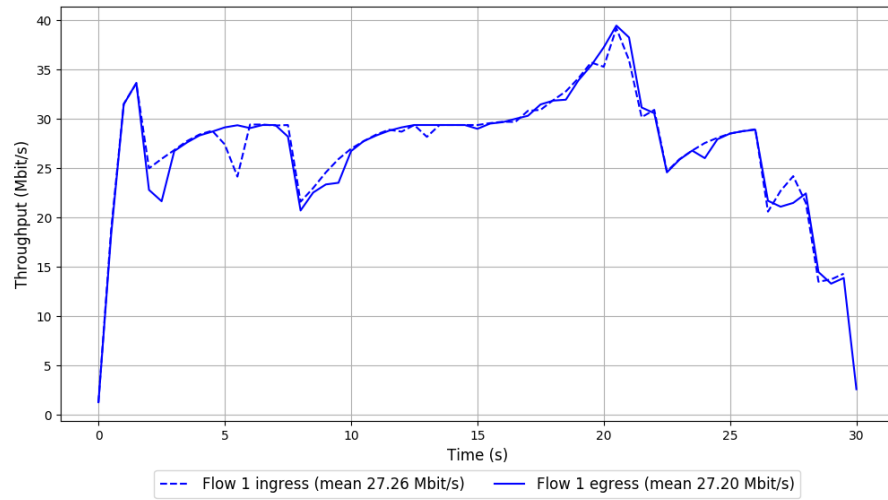
-- Flow 1:

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%

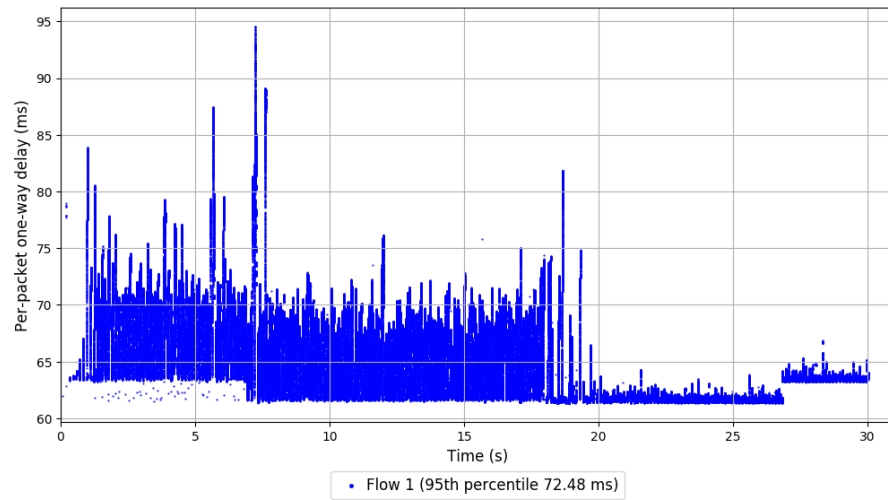
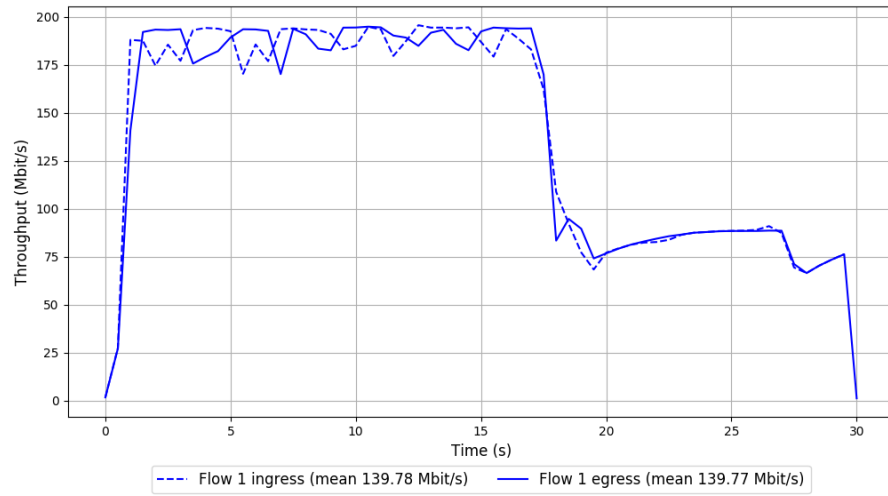
-- Flow 1:

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%

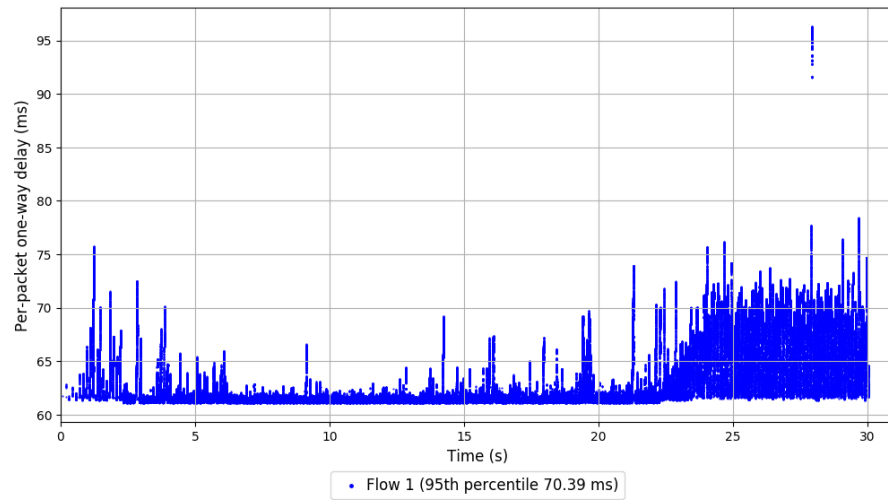
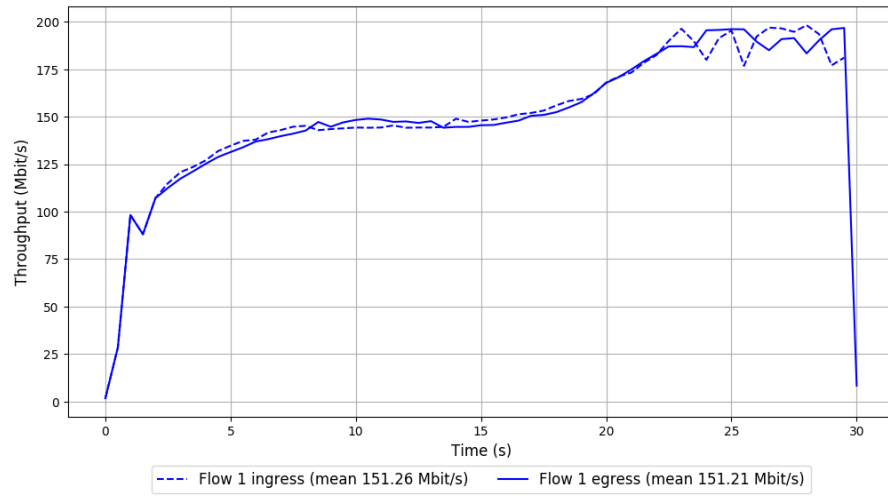
-- Flow 1:

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%

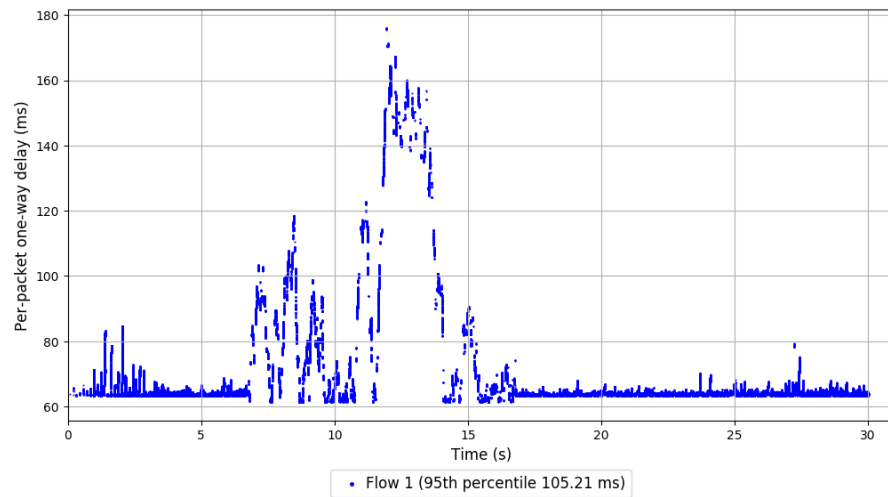
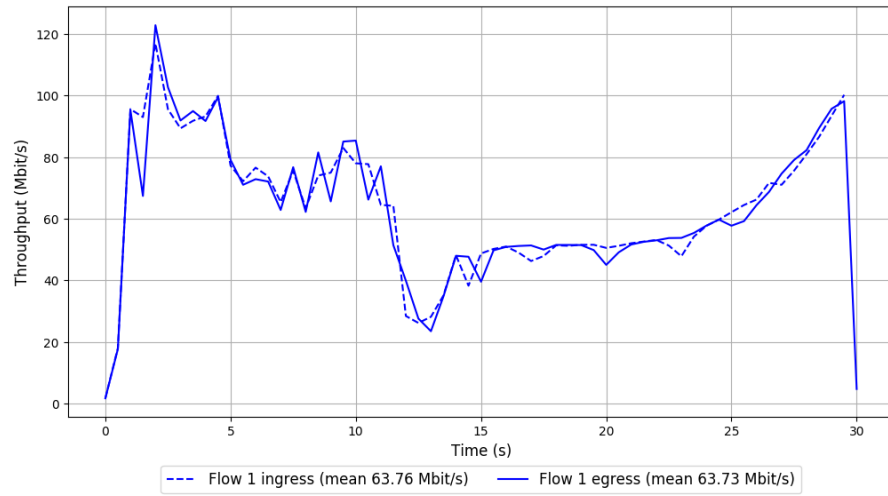
-- Flow 1:

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%

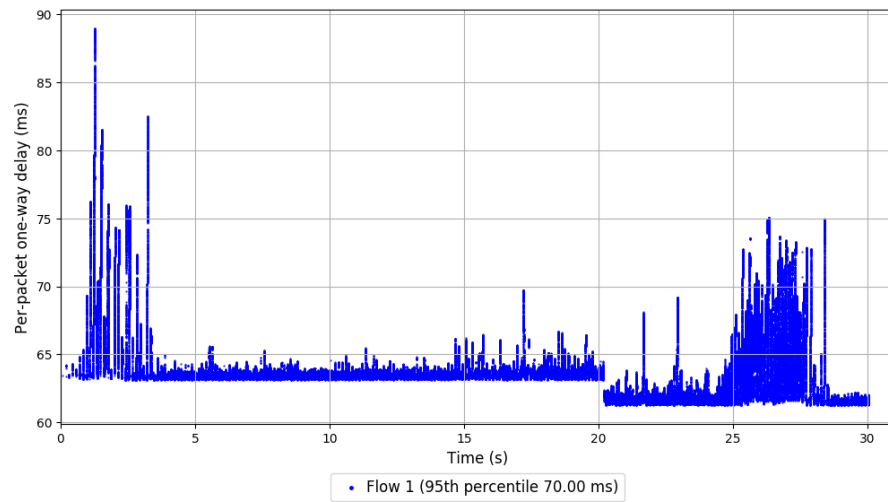
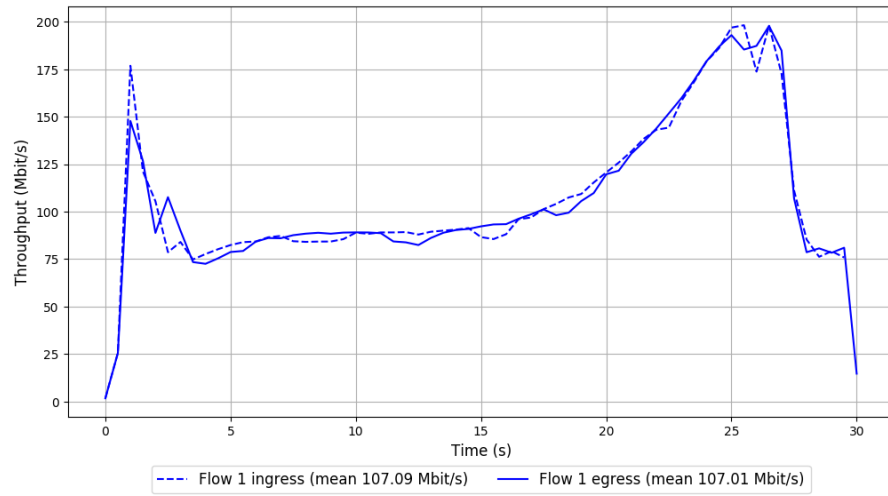
-- Flow 1:

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%

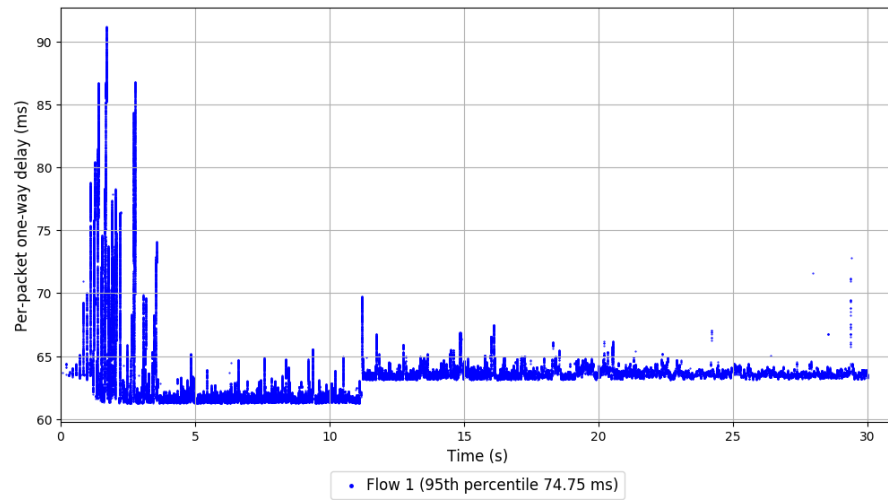
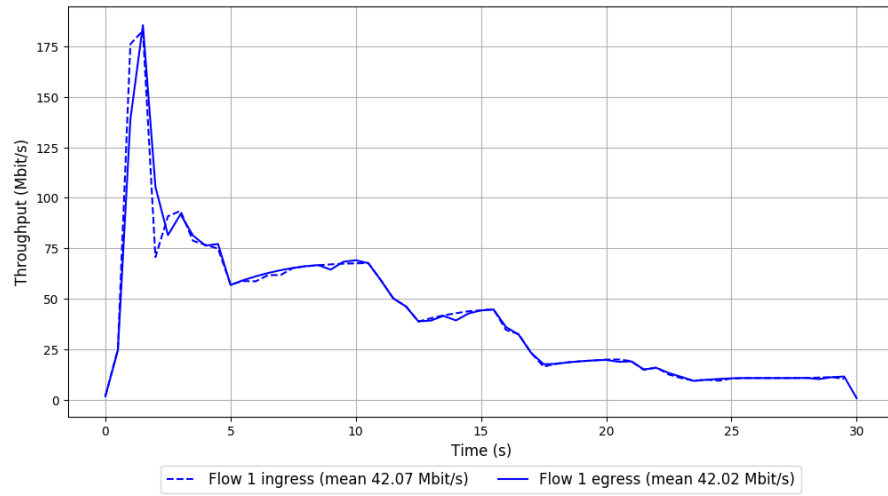
-- Flow 1:

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%

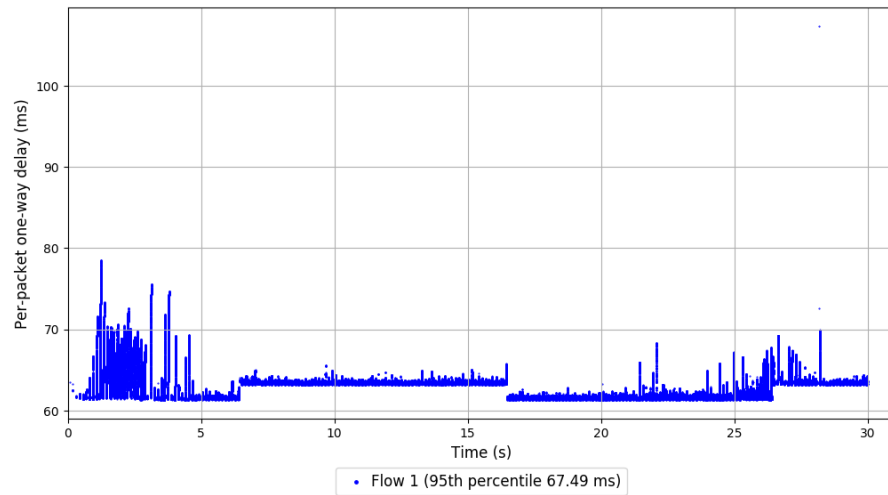
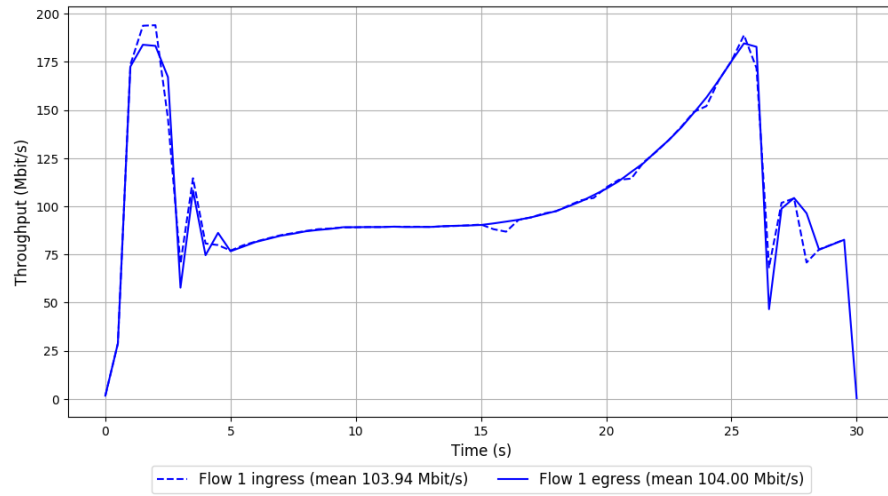
-- Flow 1:

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%

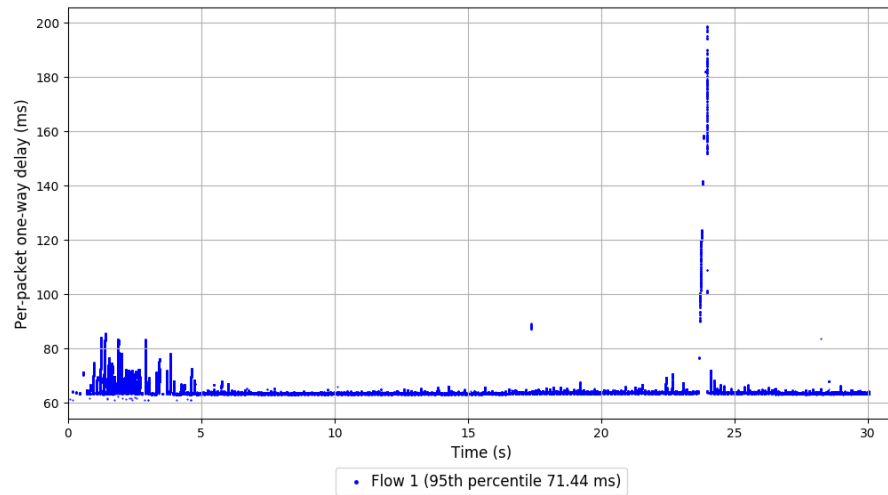
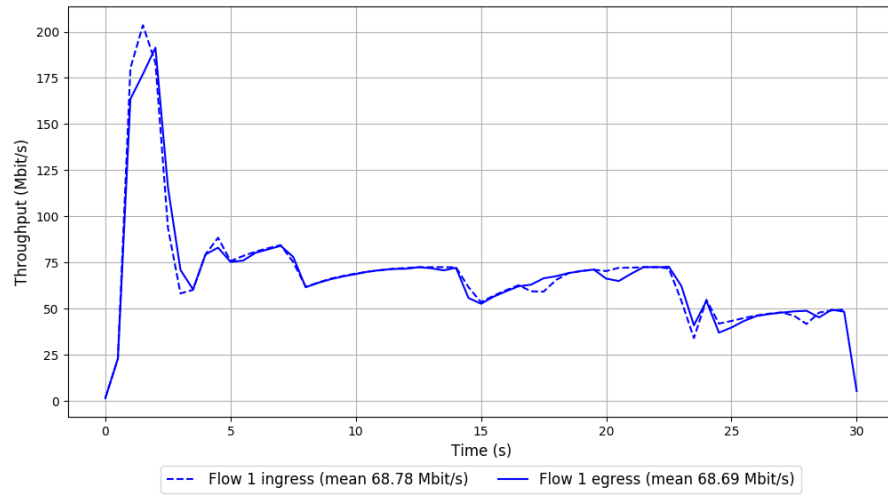
-- Flow 1:

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%

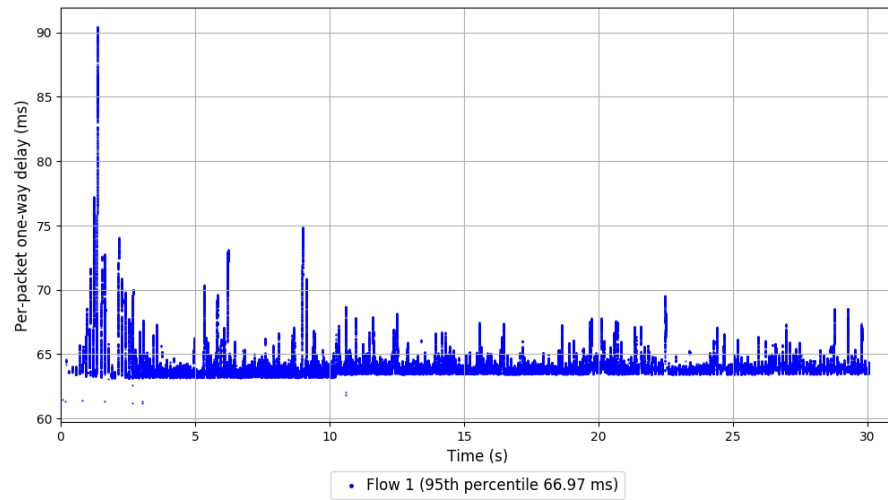
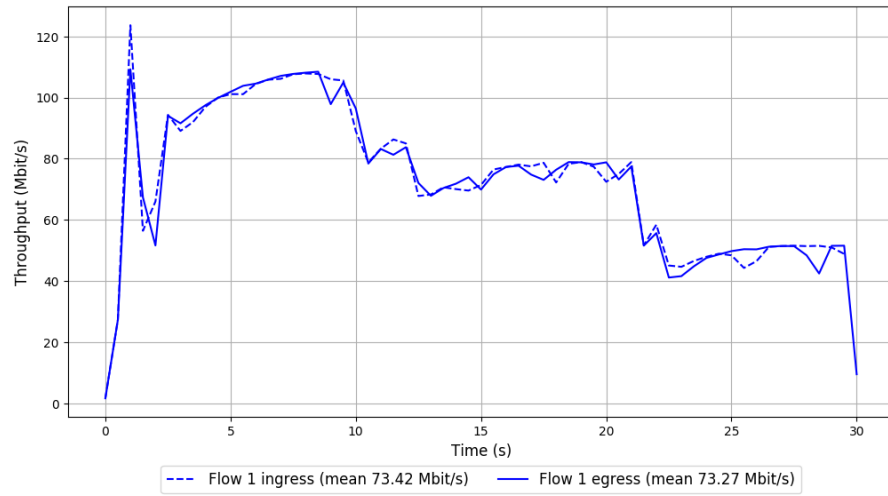
-- Flow 1:

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

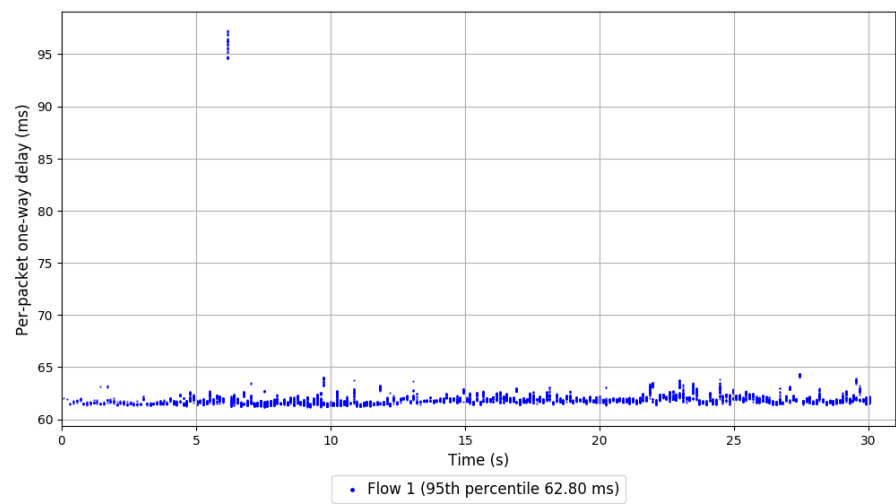
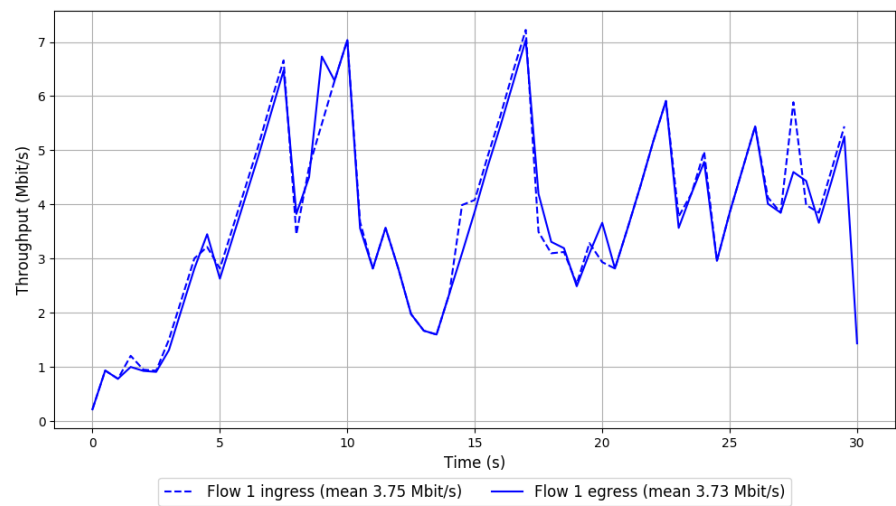


```
Run 1: Statistics of LEDBAT

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

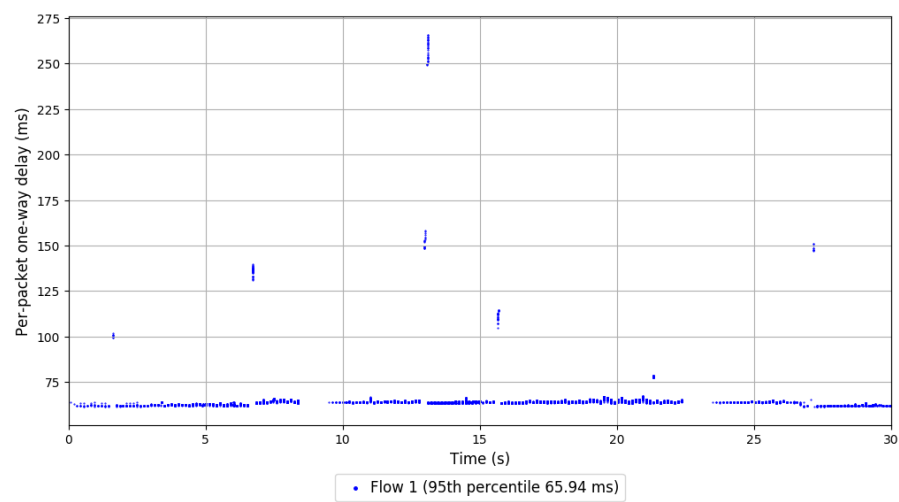
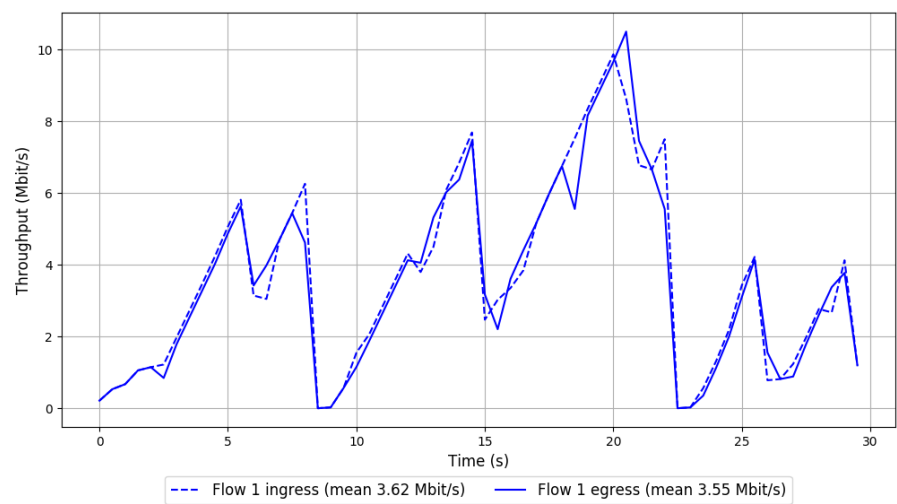


```
Run 2: Statistics of LEDBAT

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%

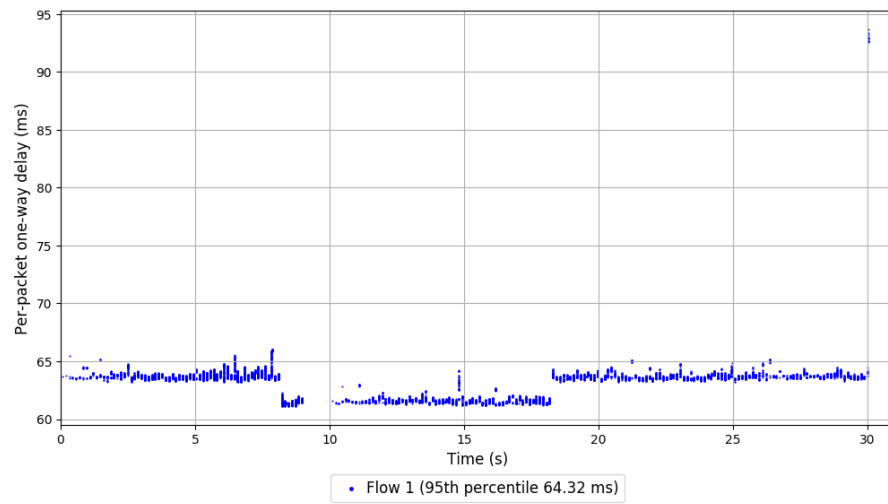
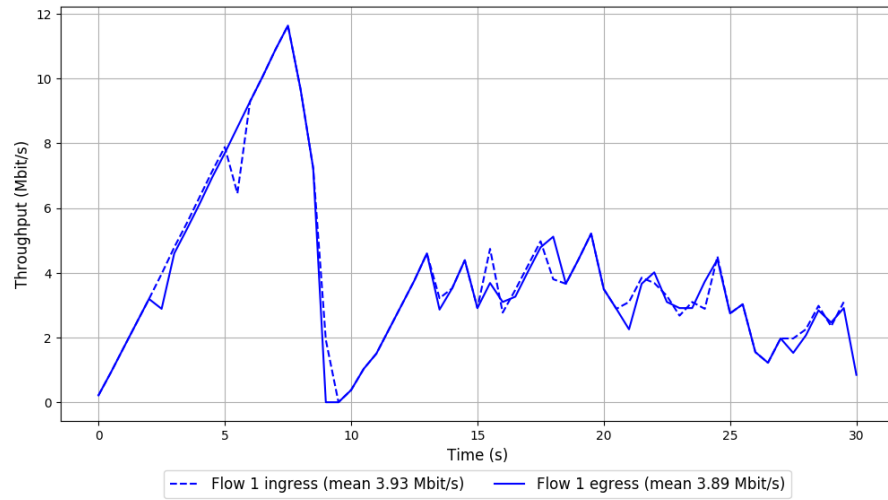
-- Flow 1:

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%

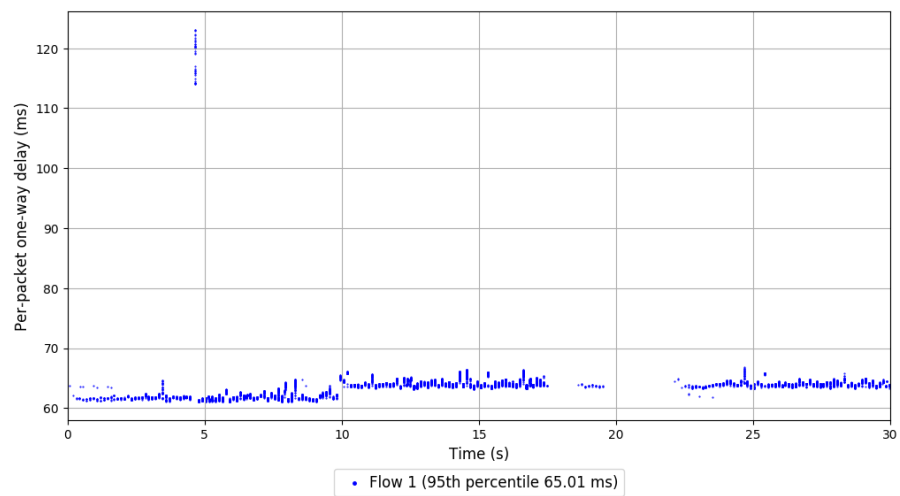
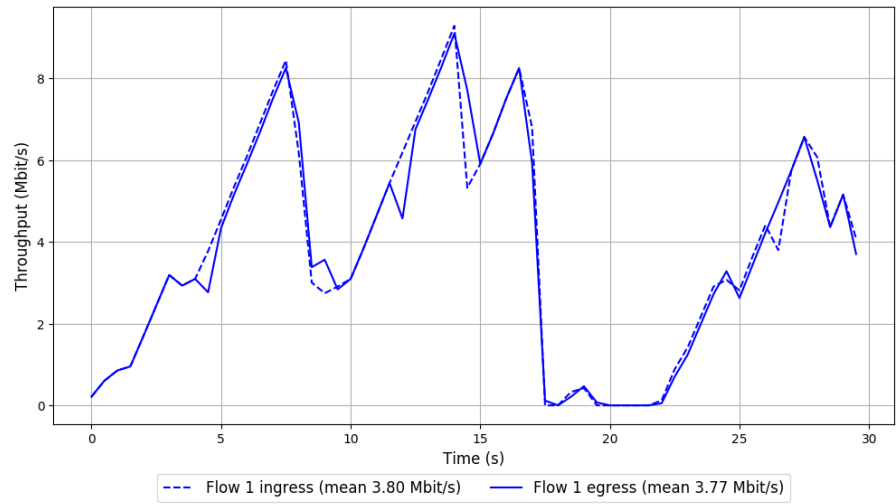
-- Flow 1:

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%

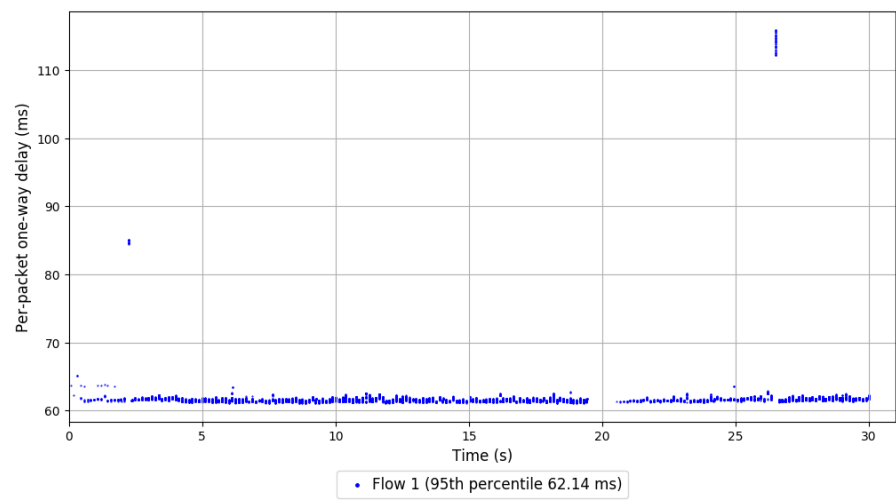
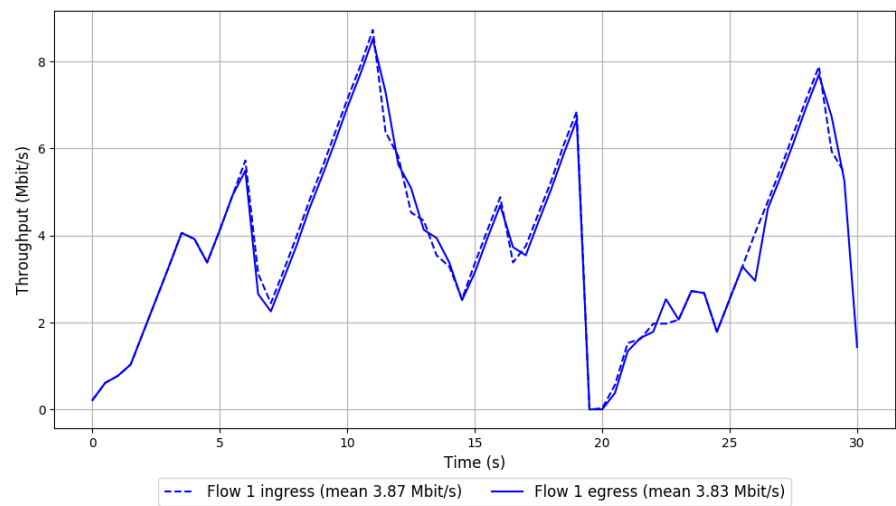
-- Flow 1:

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%

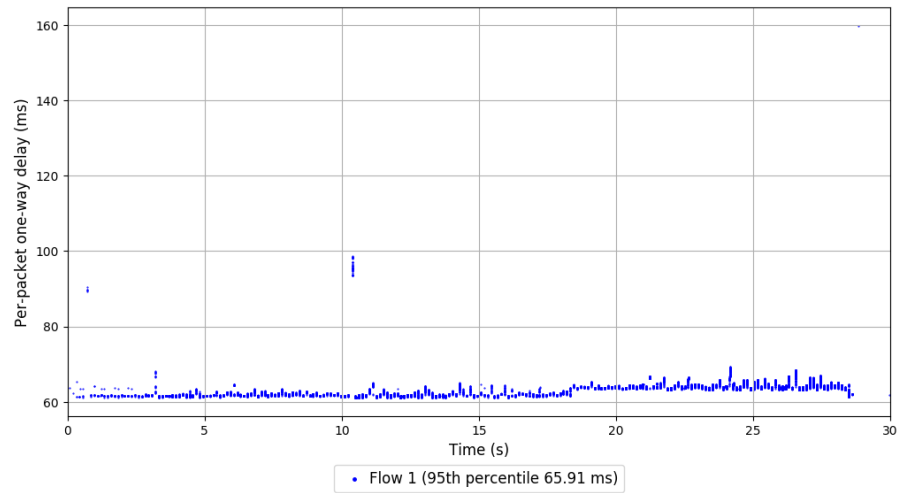
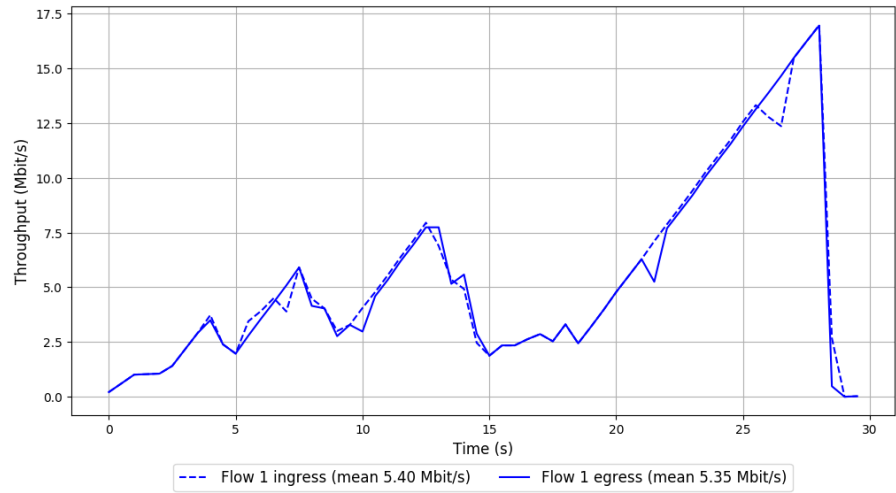
-- Flow 1:

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%

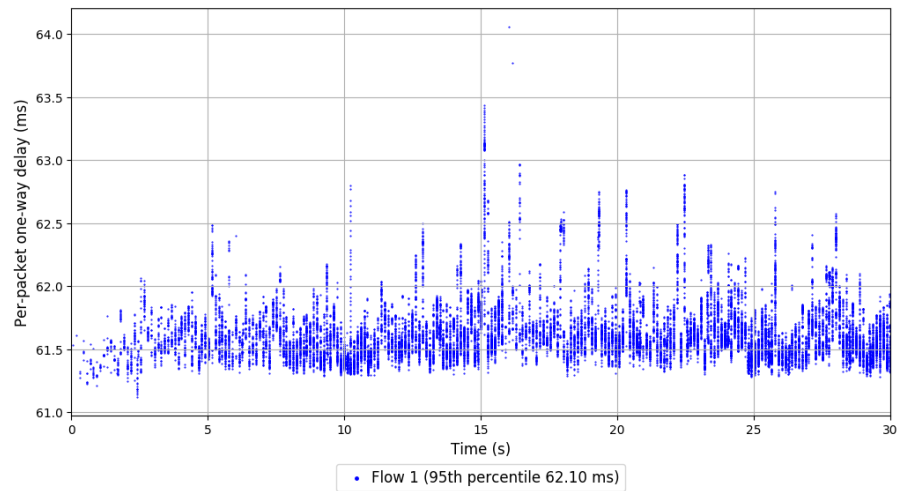
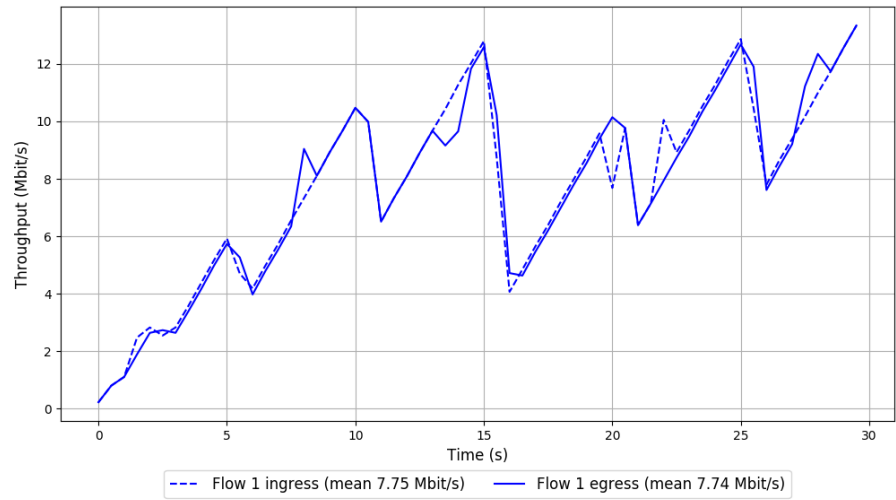
-- Flow 1:

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%

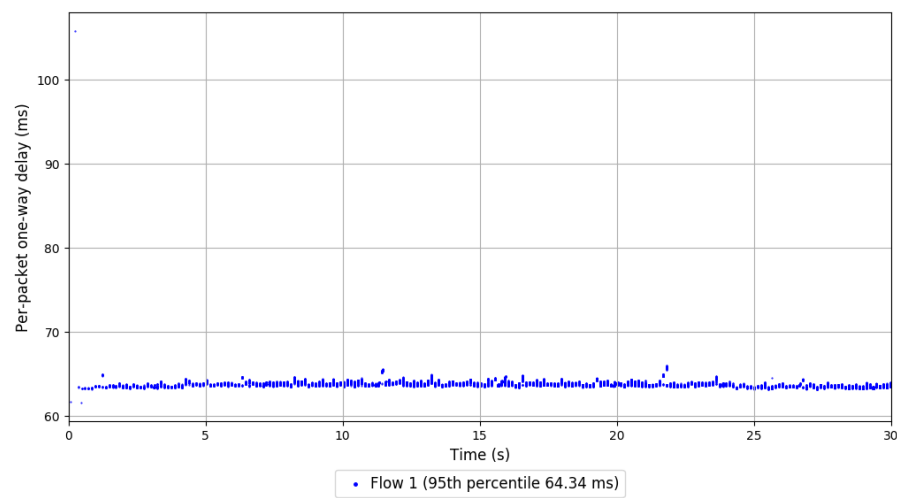
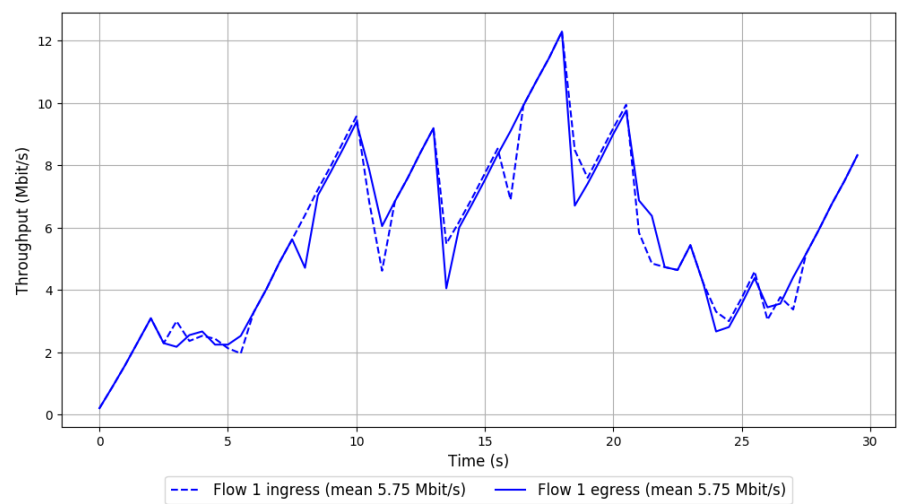
-- Flow 1:

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%

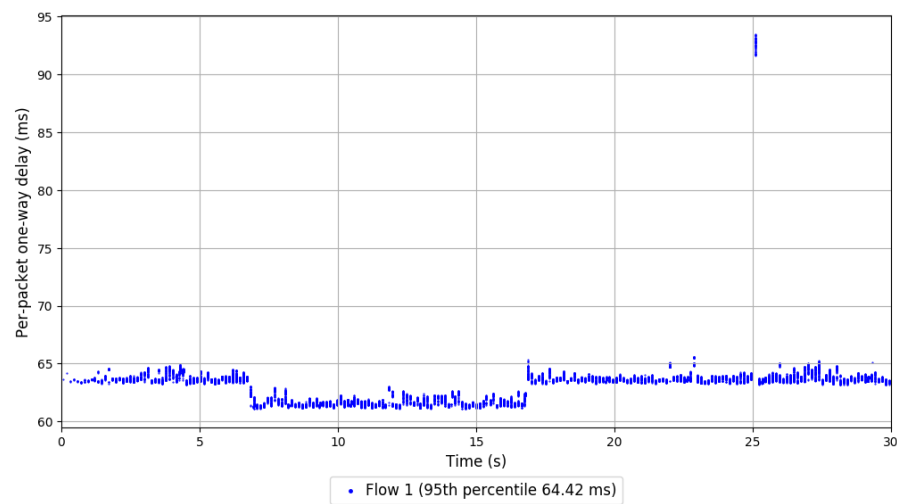
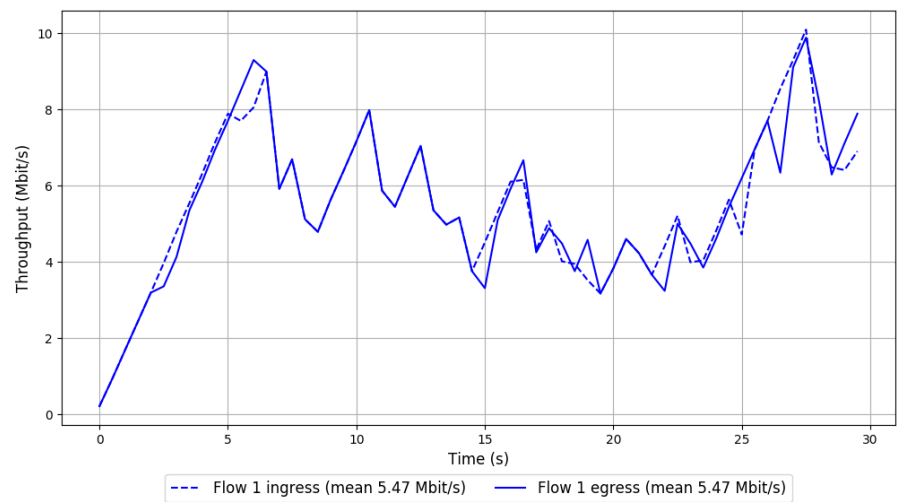
-- Flow 1:

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%

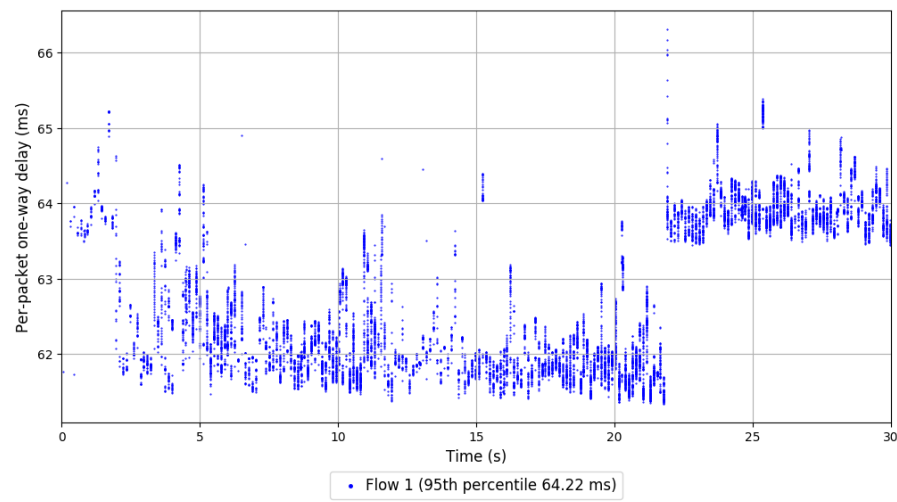
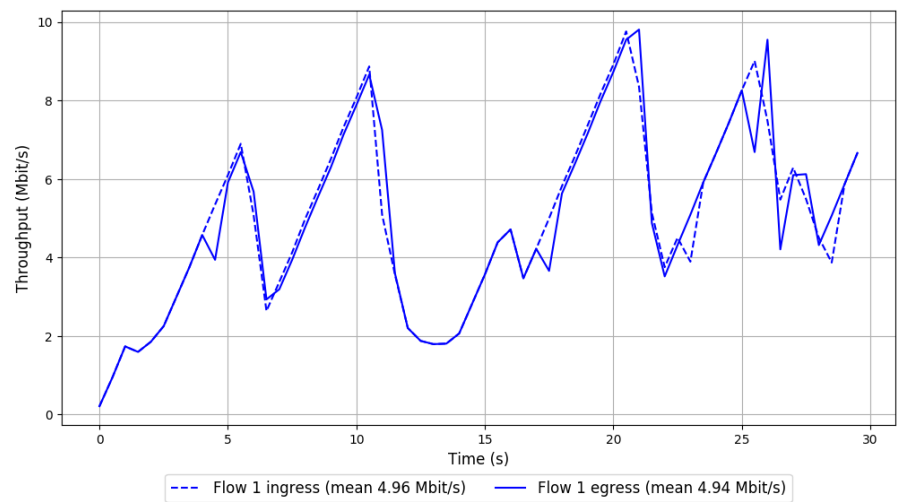
-- Flow 1:

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

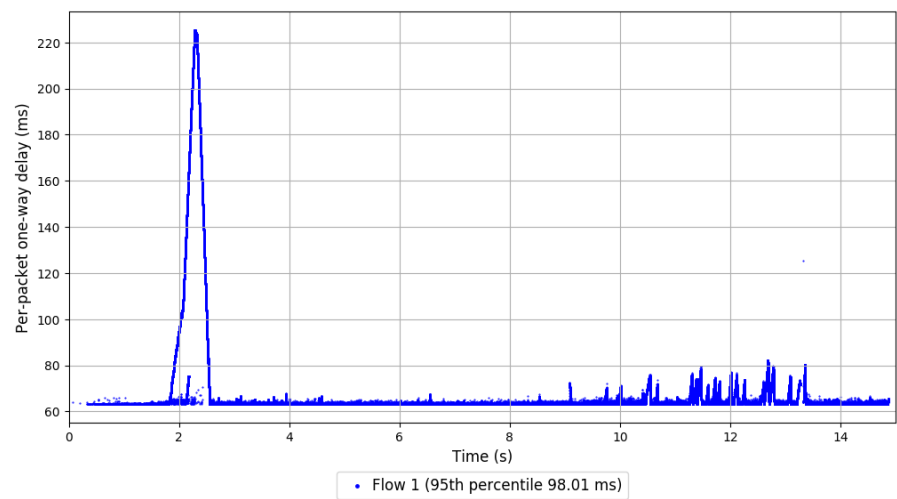
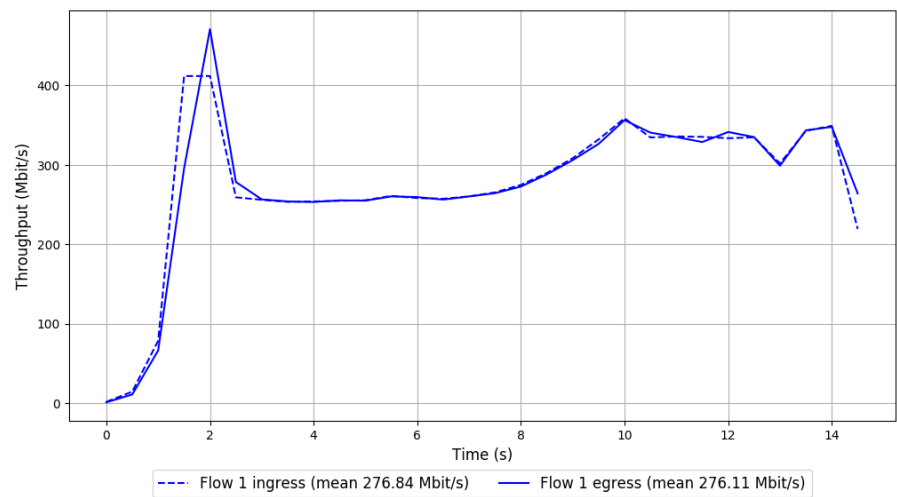


Run 1: Statistics of PCC

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

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

Run 1: Report of PCC — Data Link

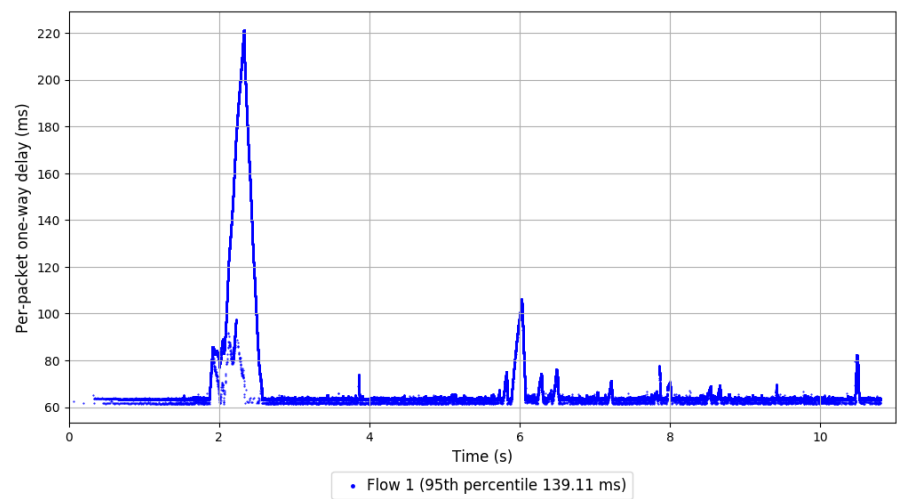
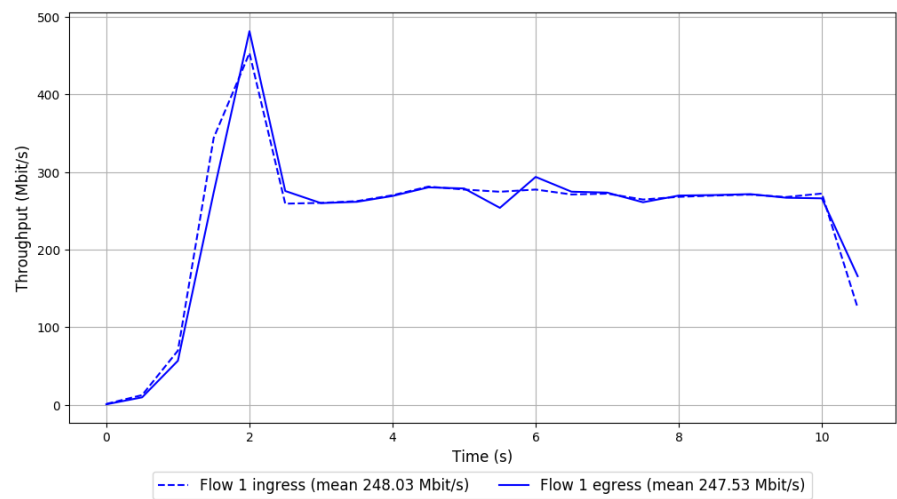


Run 2: Statistics of PCC

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

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

Run 2: Report of PCC — Data Link

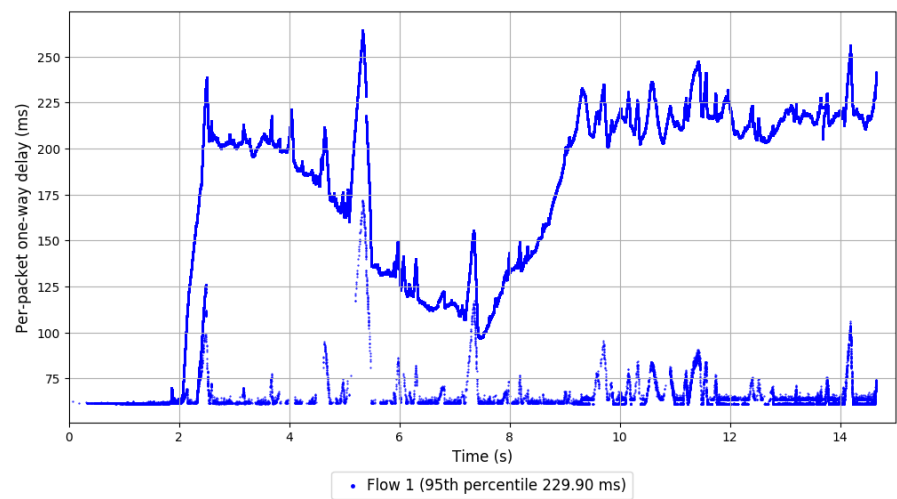
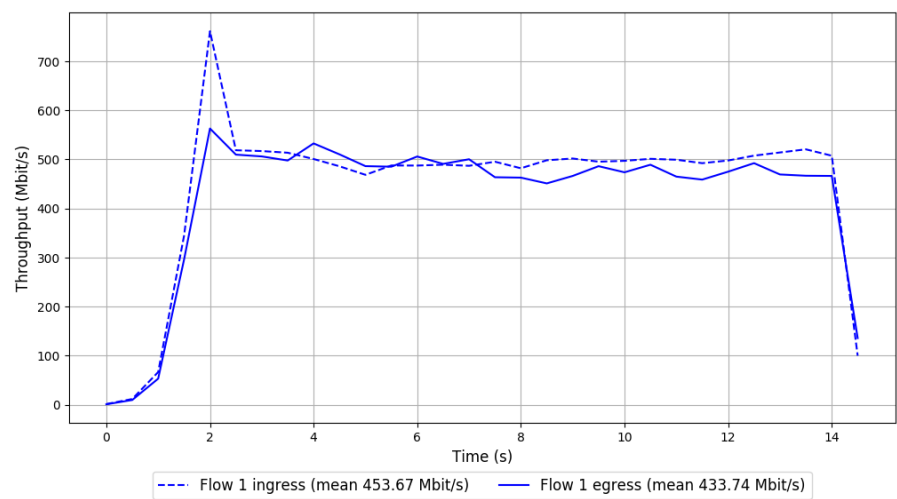


Run 3: Statistics of PCC

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

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

Run 3: Report of PCC — Data Link

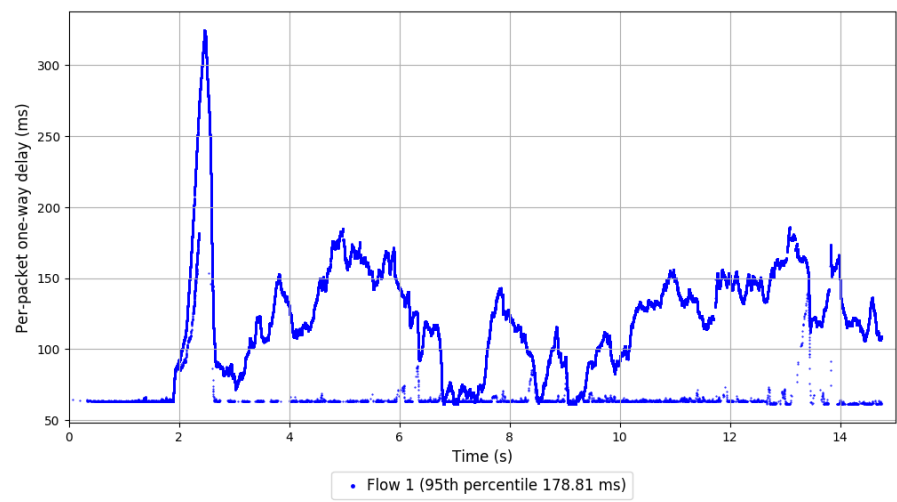
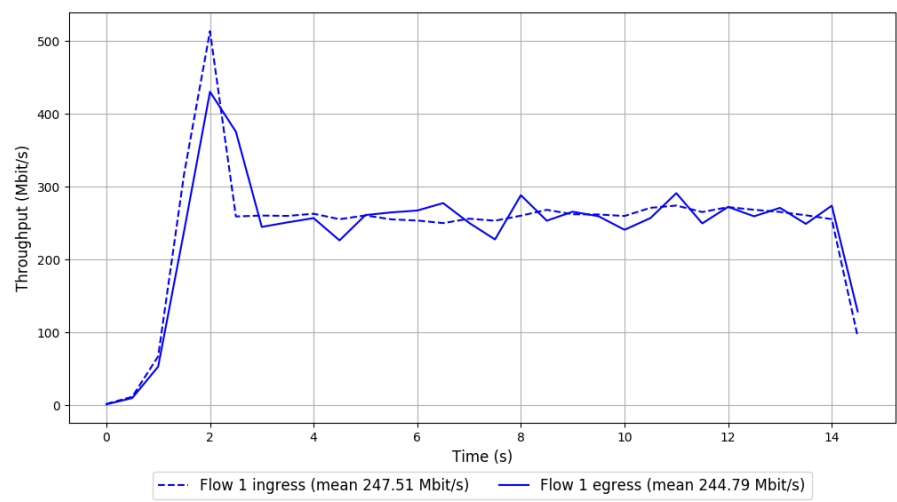


Run 4: Statistics of PCC

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

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

Run 4: Report of PCC — Data Link

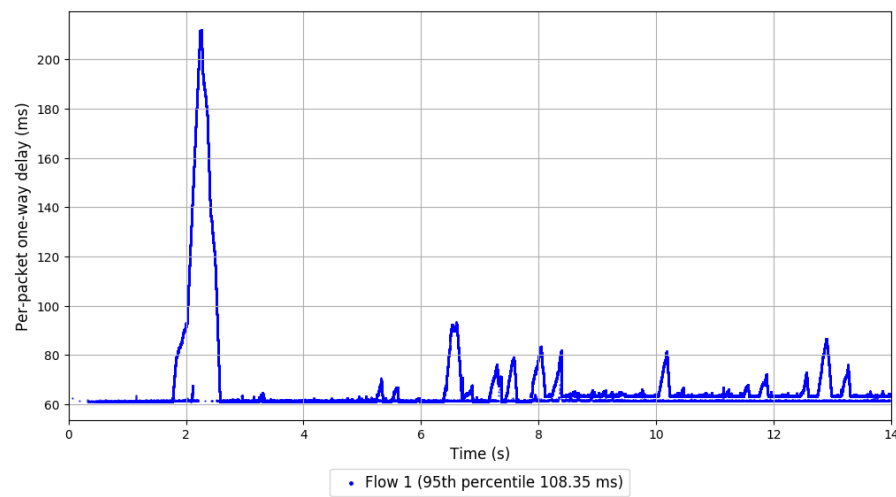
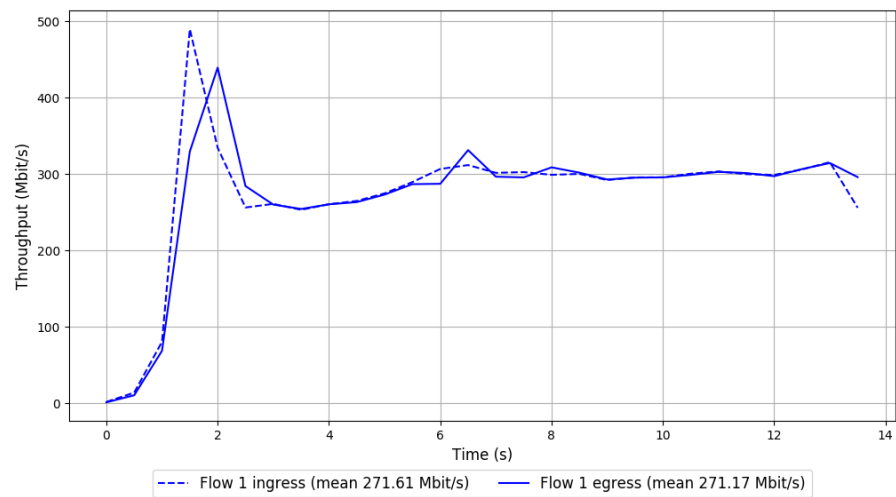


Run 5: Statistics of PCC

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%

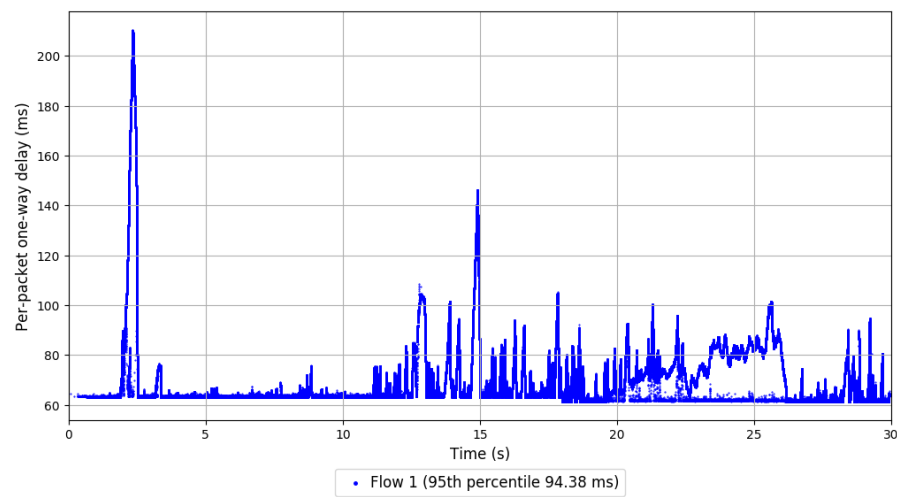
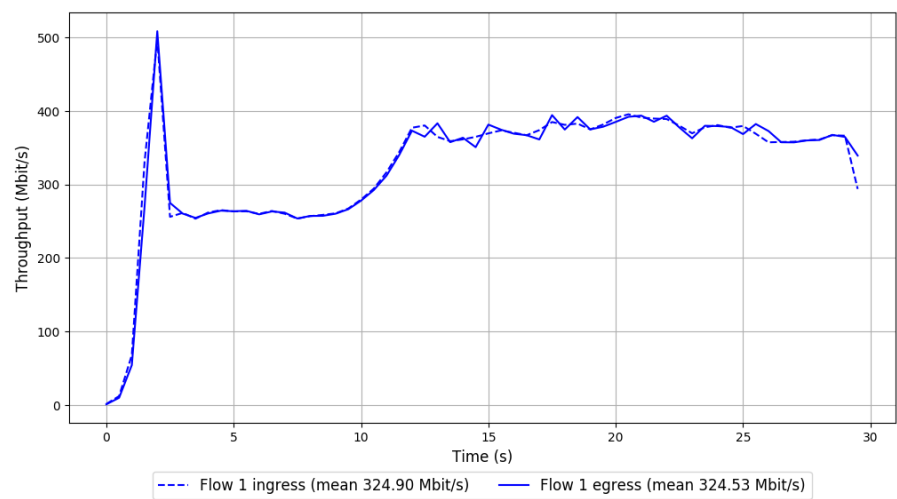
-- Flow 1:

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%

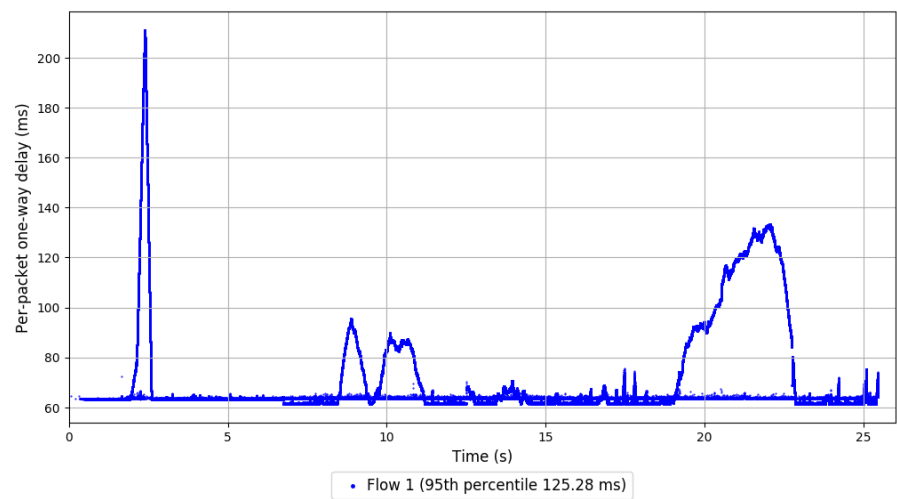
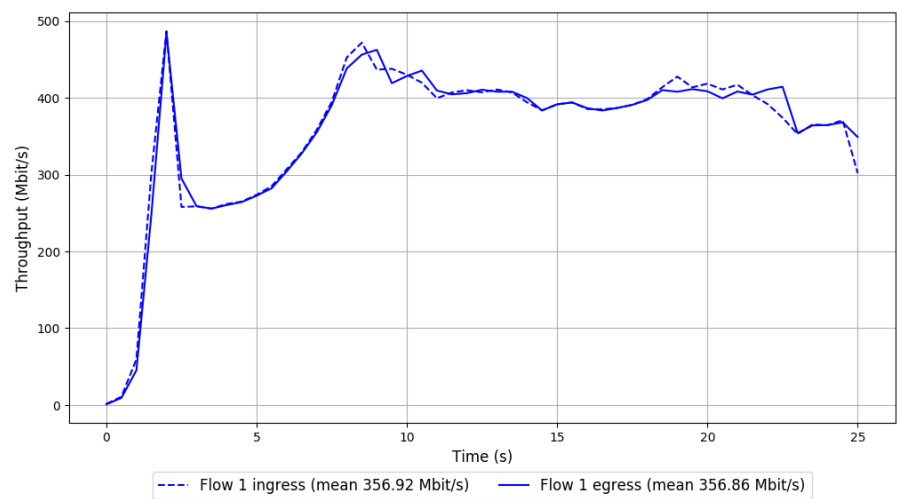
-- Flow 1:

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

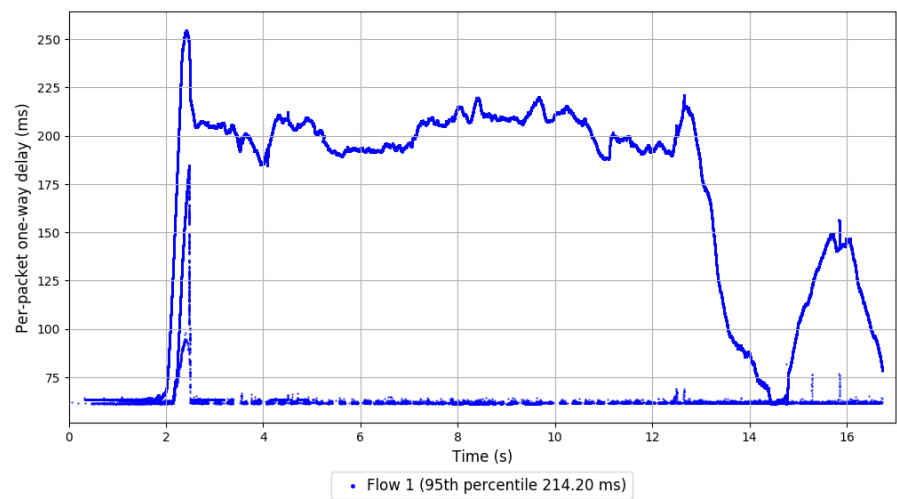
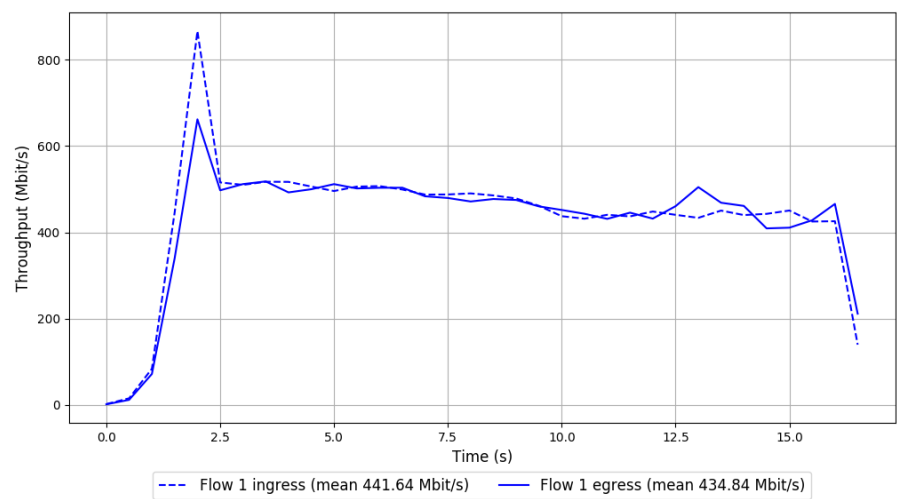


Run 8: Statistics of PCC

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

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

Run 8: Report of PCC — Data Link

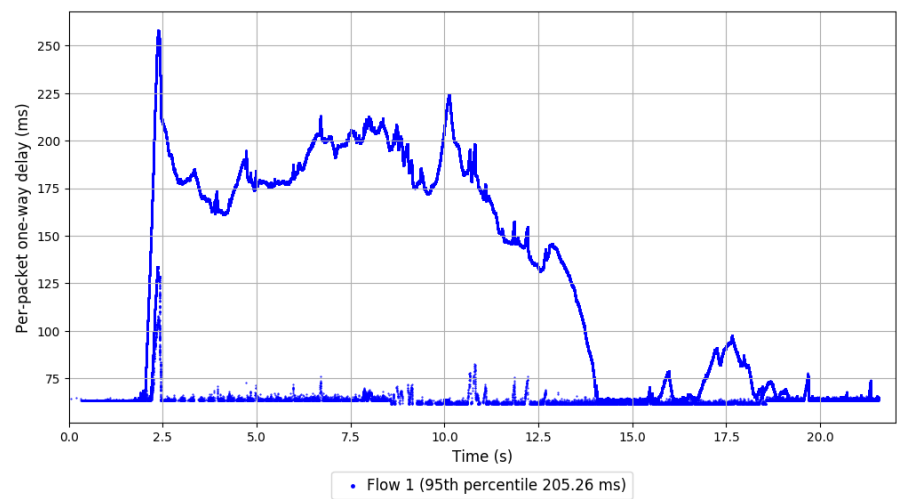
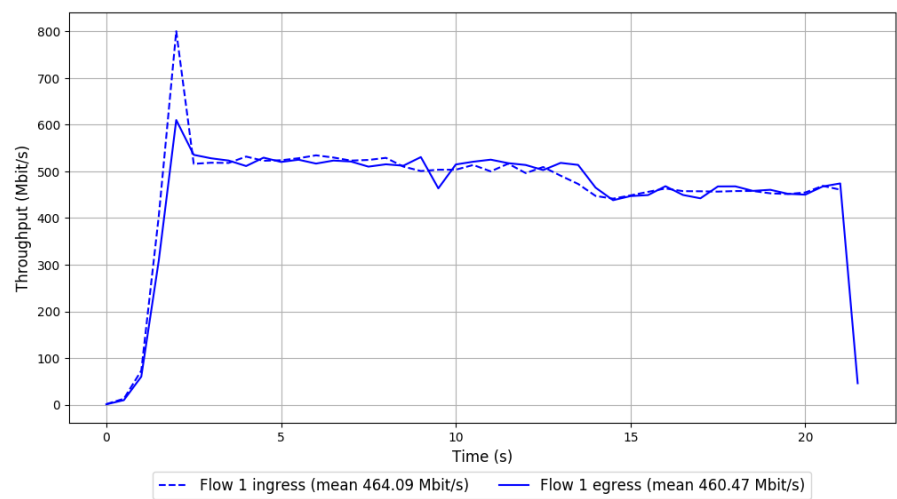


Run 9: Statistics of PCC

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%

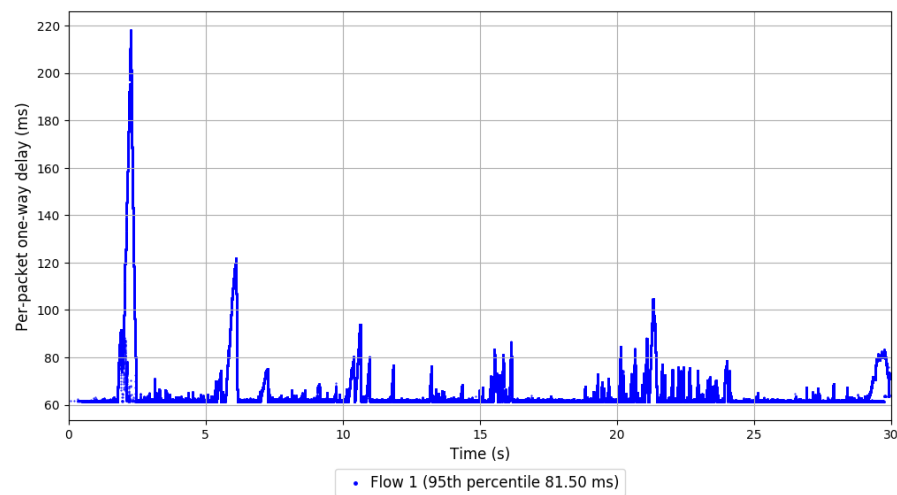
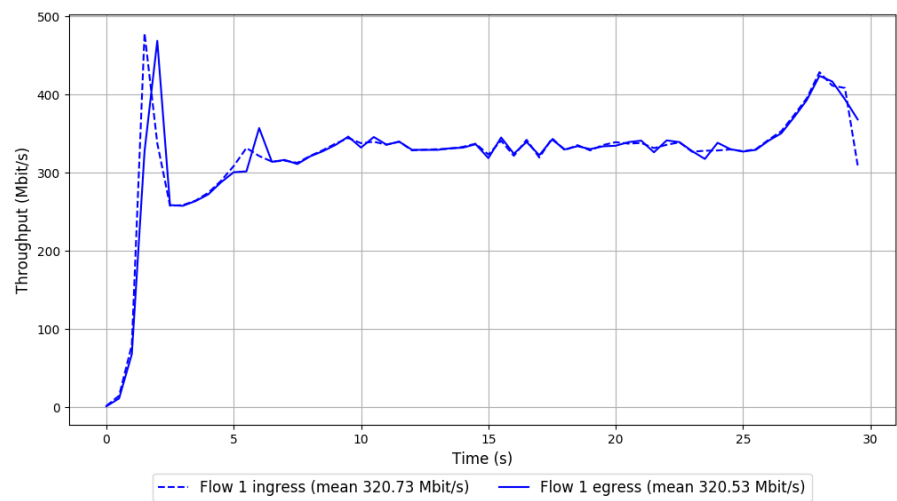
-- Flow 1:

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

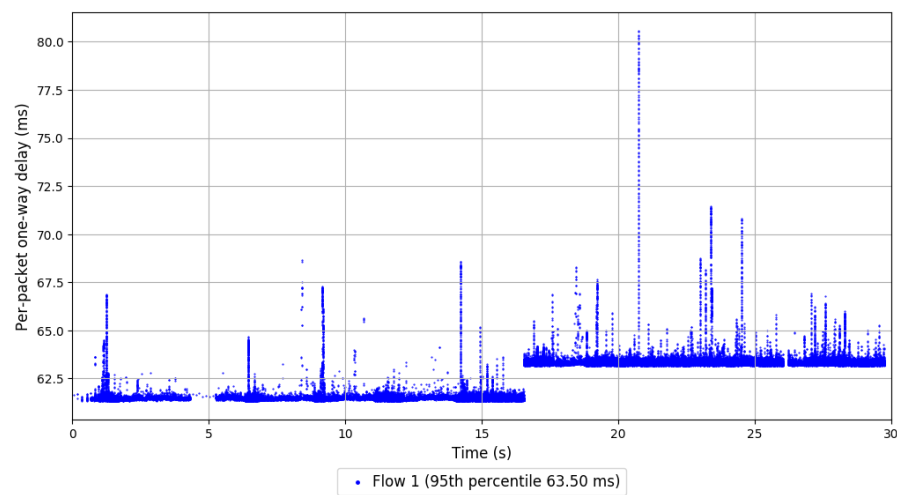
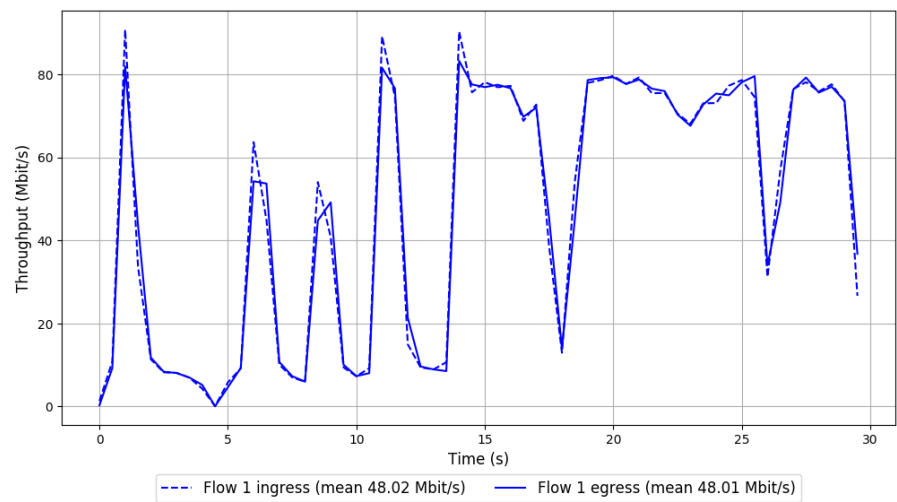


```
Run 1: Statistics of QUIC Cubic

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%

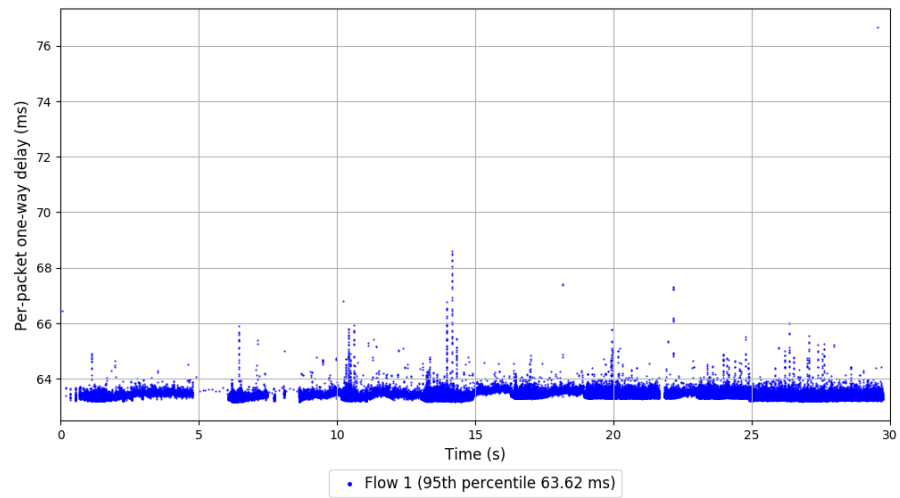
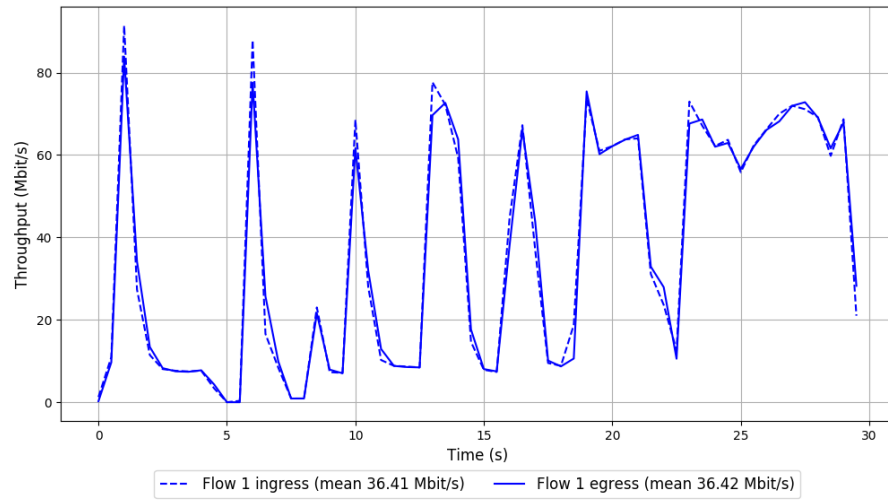
-- Flow 1:

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%

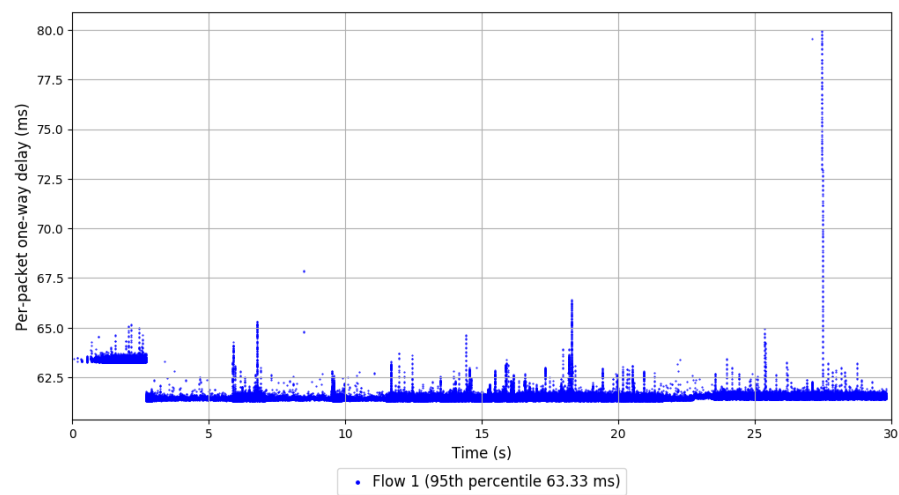
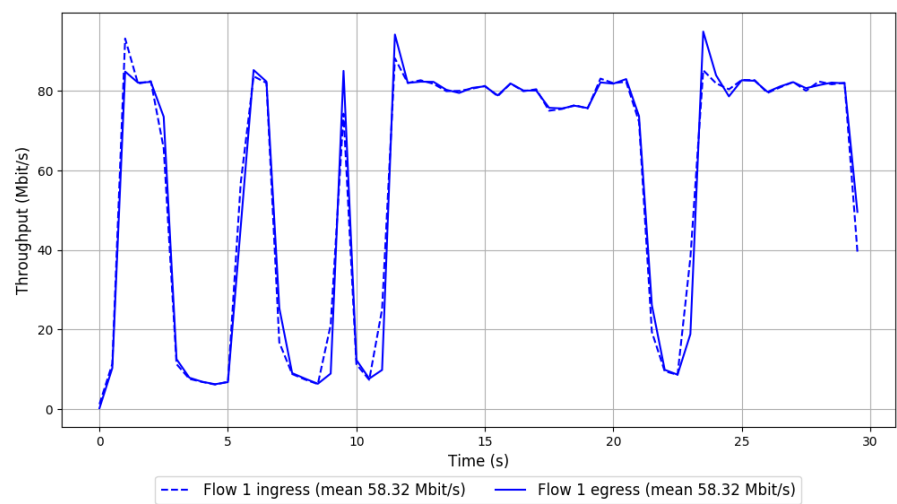
-- Flow 1:

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%

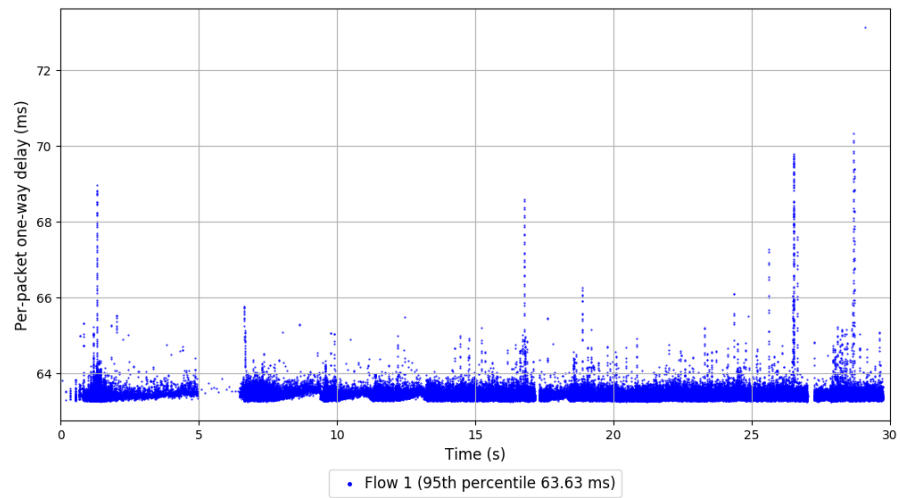
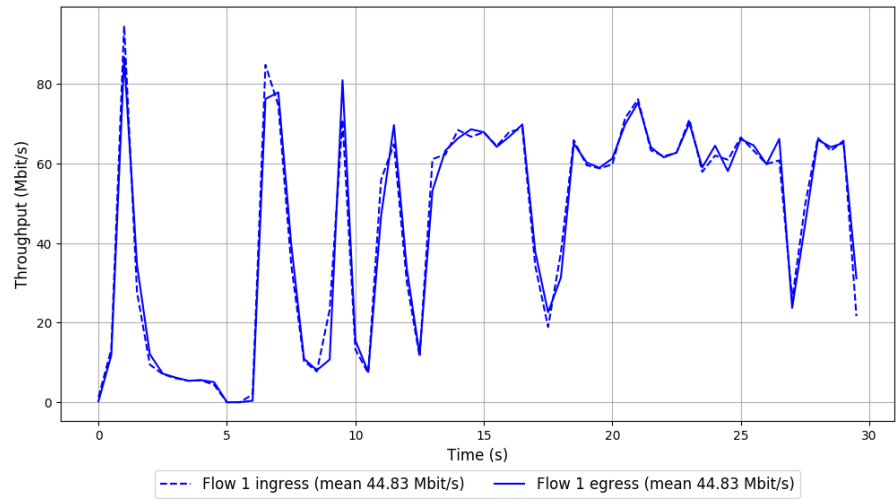
-- Flow 1:

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%

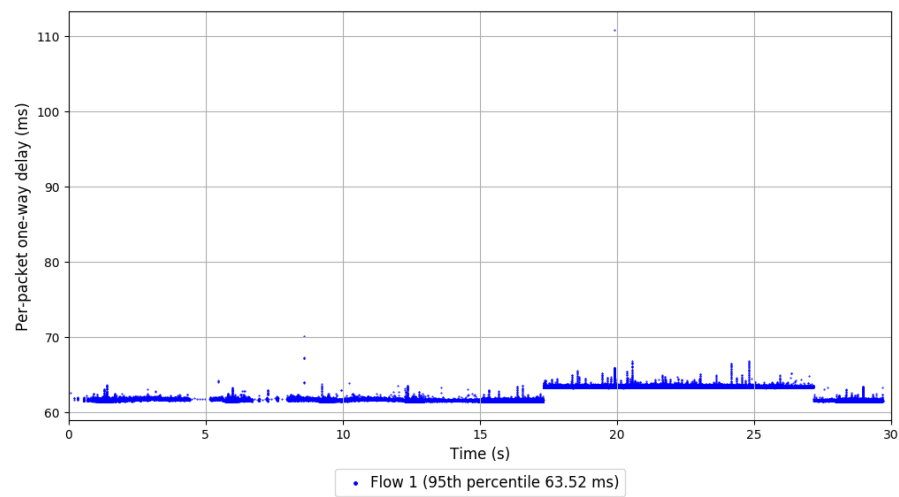
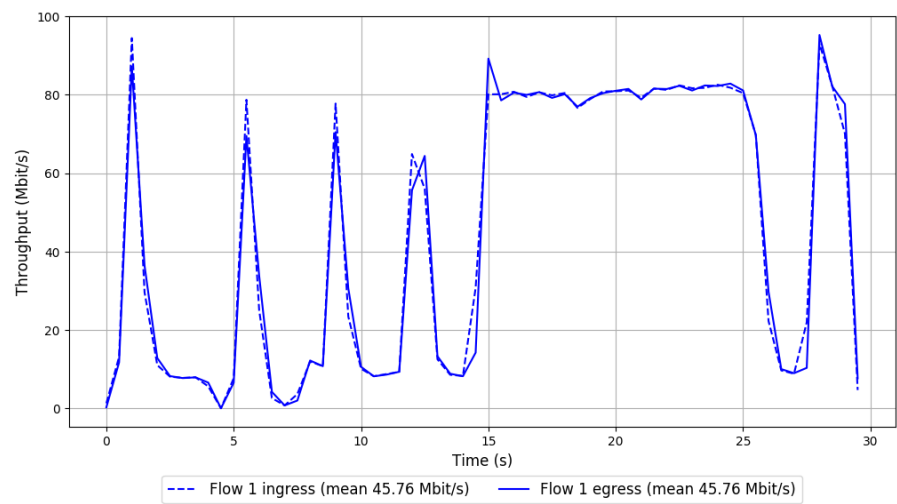
-- Flow 1:

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%

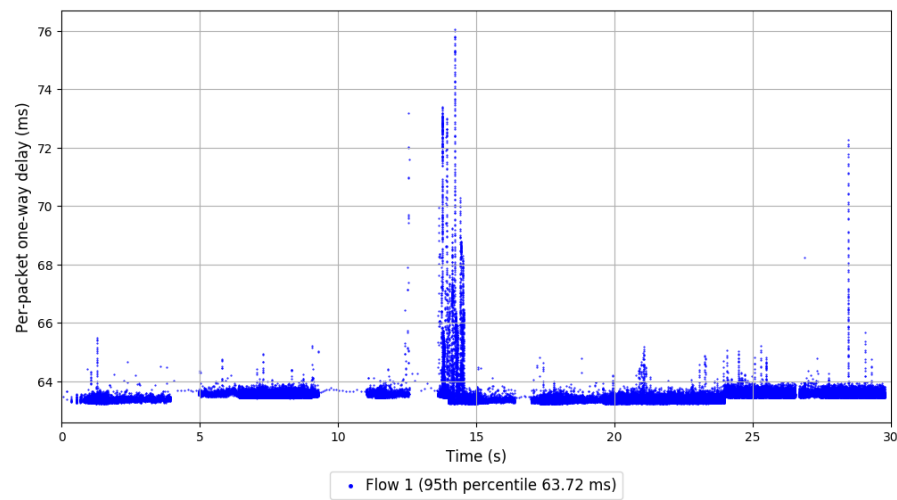
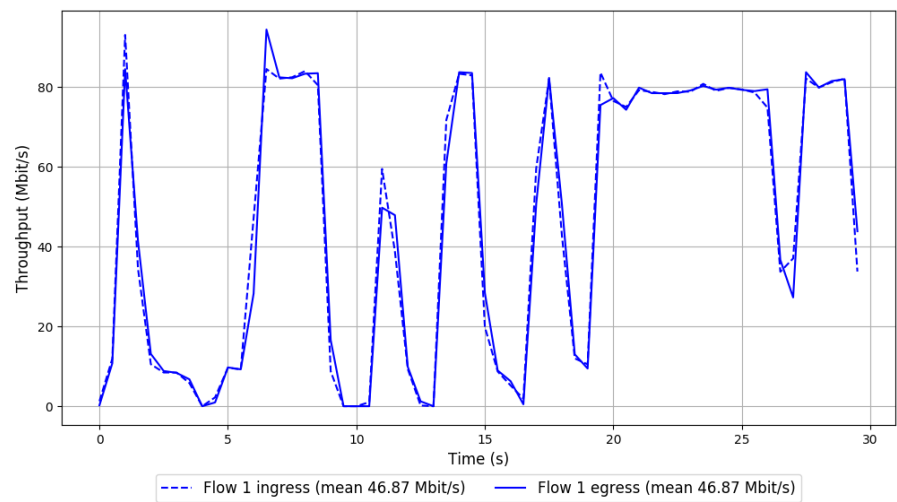
-- Flow 1:

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%

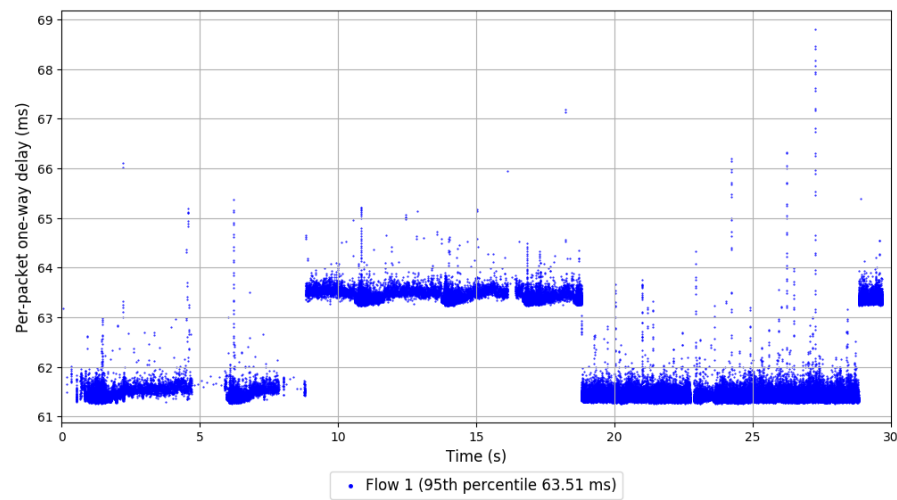
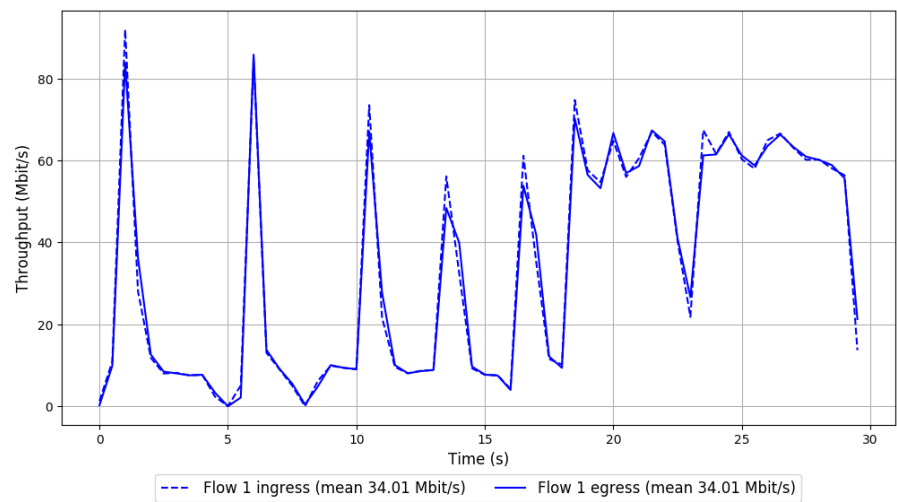
-- Flow 1:

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%

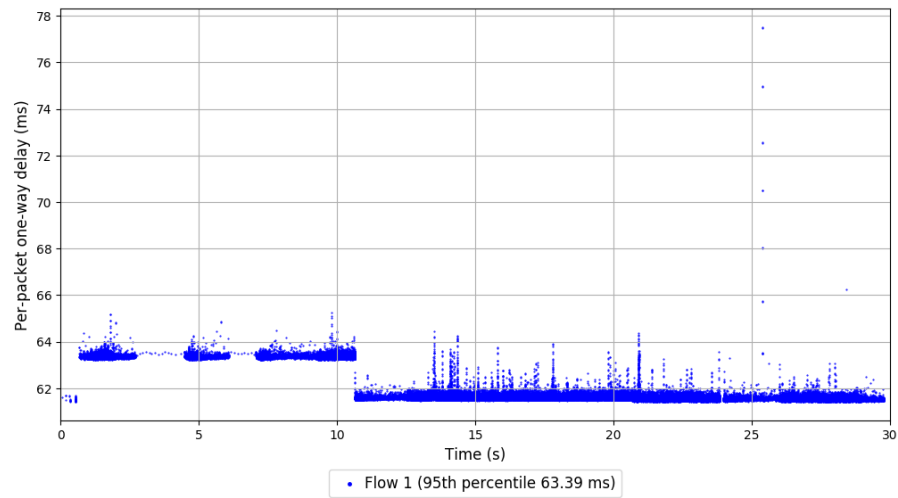
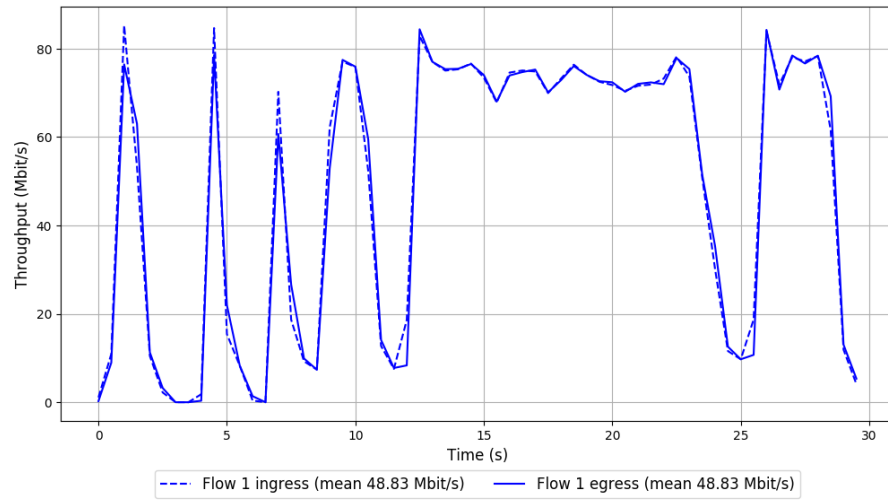
-- Flow 1:

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%

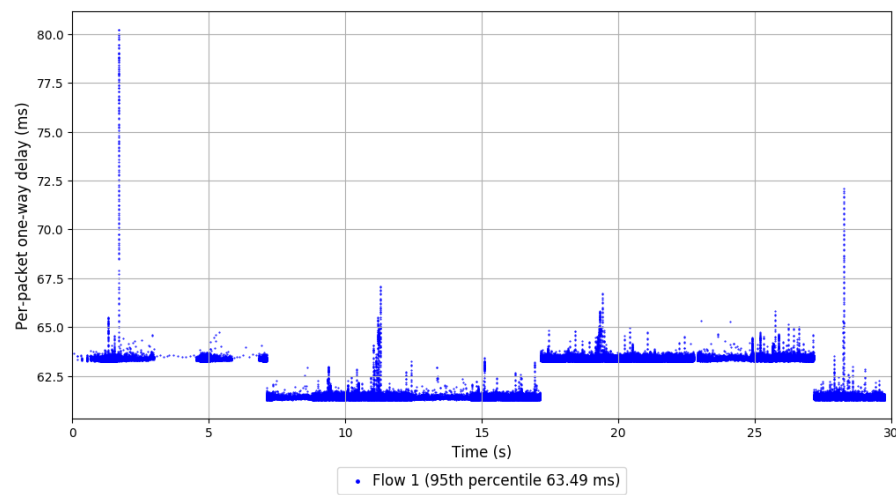
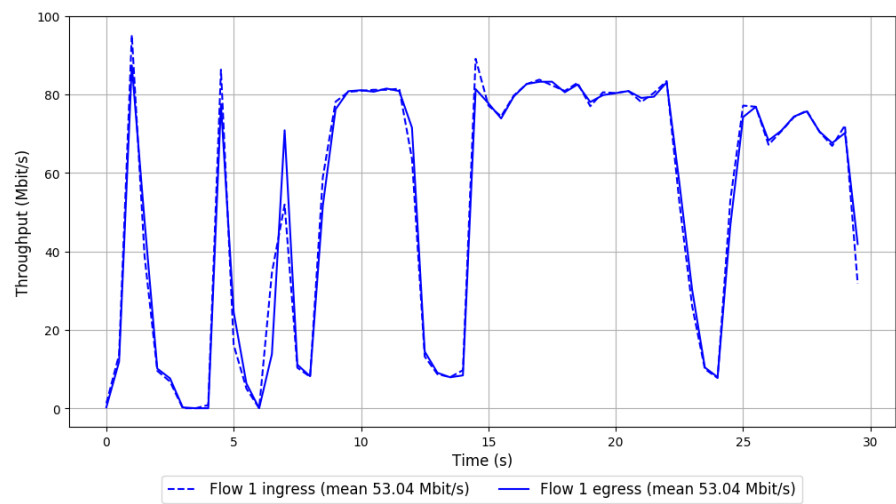
-- Flow 1:

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

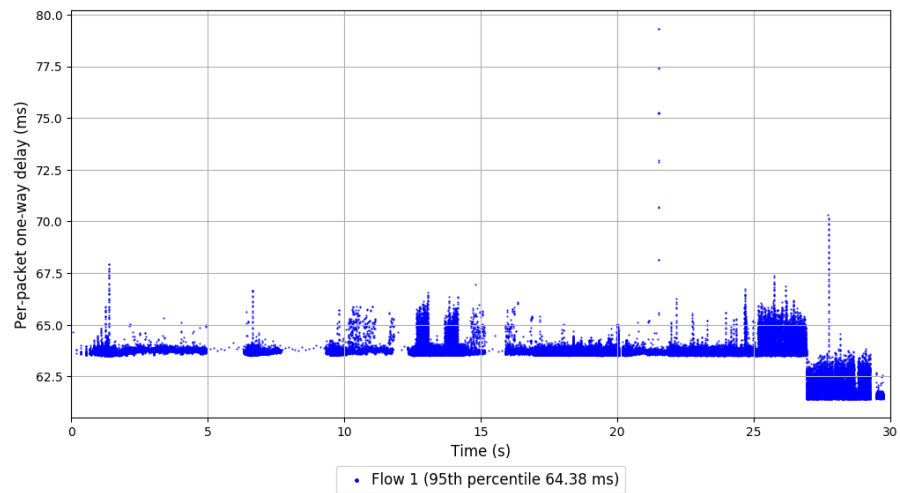
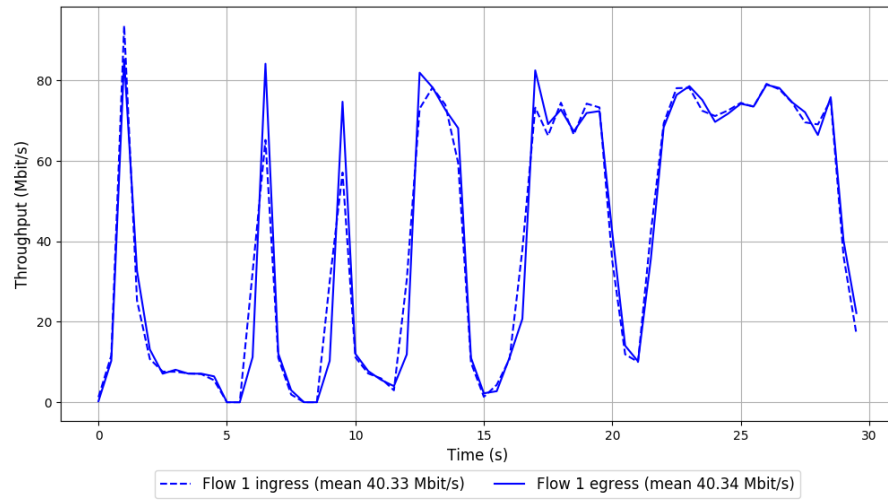


```
Run 10: Statistics of QUIC Cubic

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

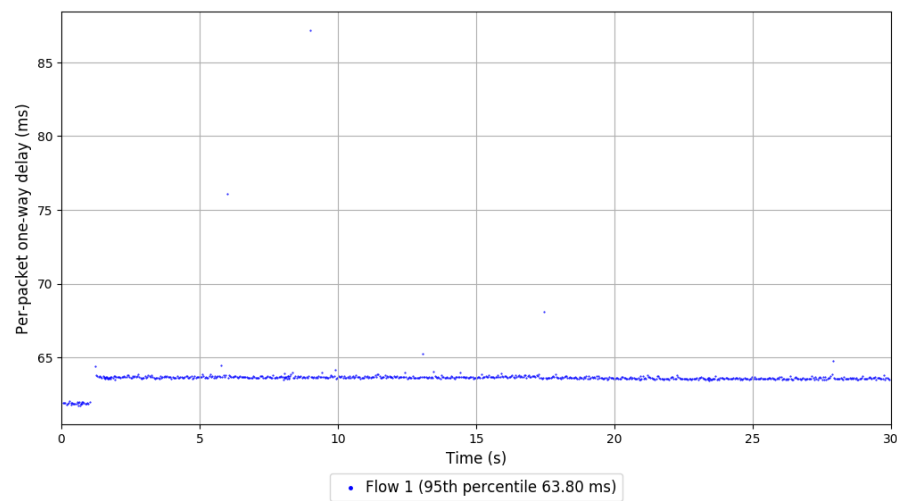
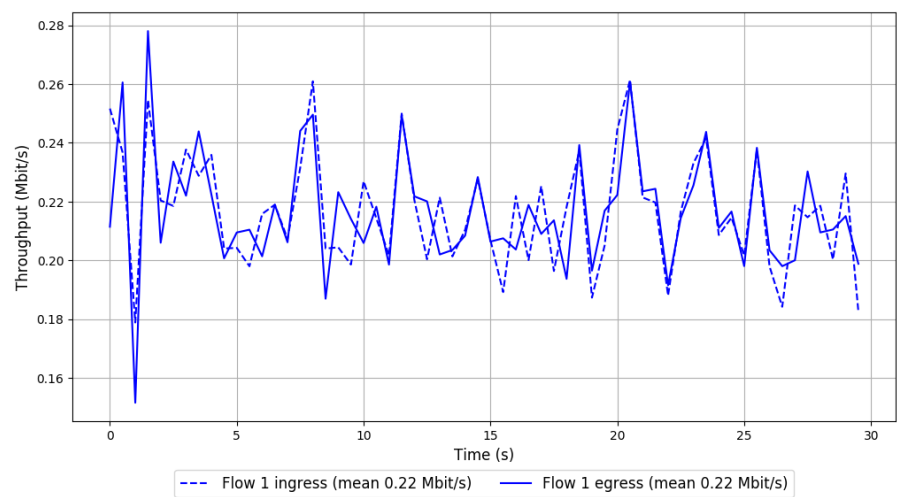


```
Run 1: Statistics of SCReAM

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 SReAM — Data Link

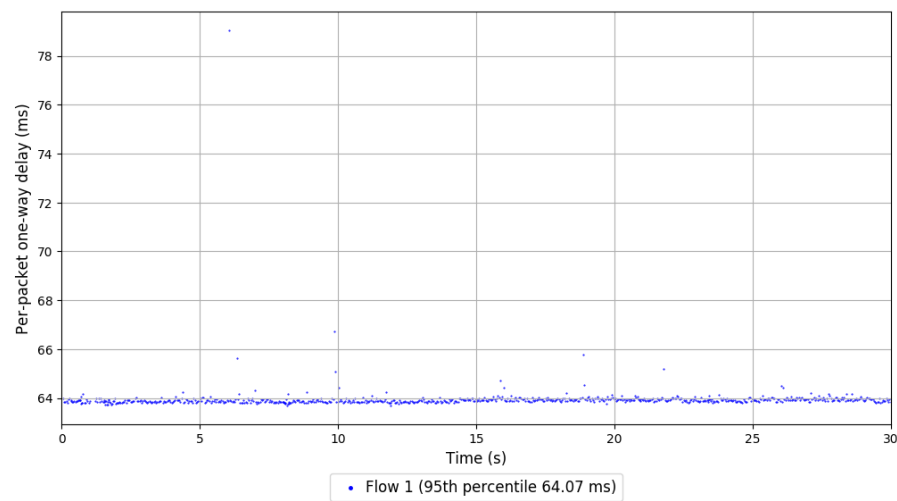
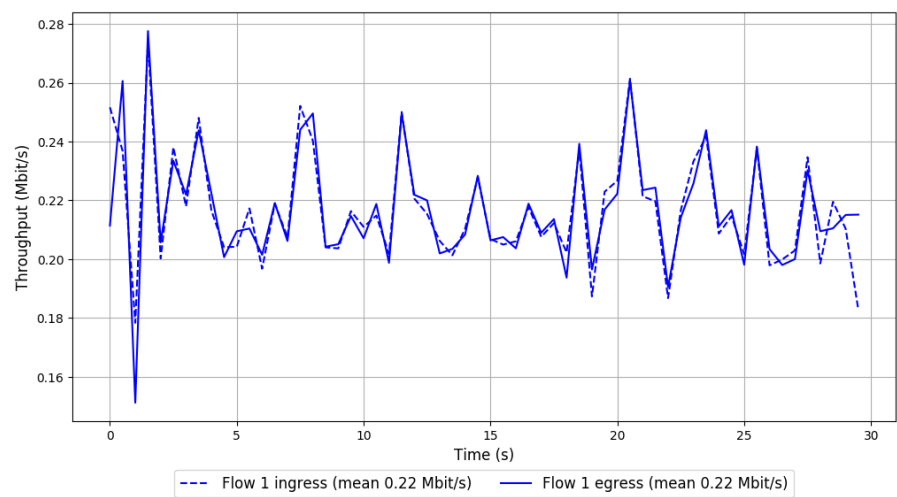


```
Run 2: Statistics of SCReAM

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 SReAM — 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%

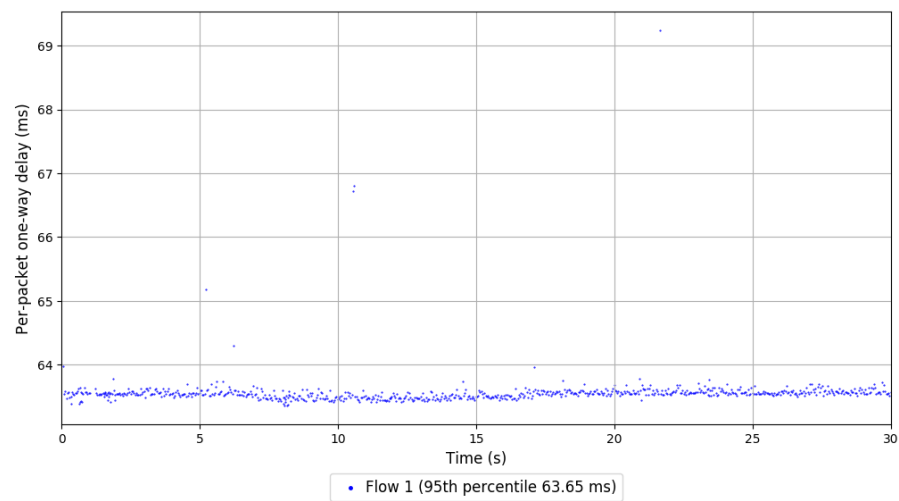
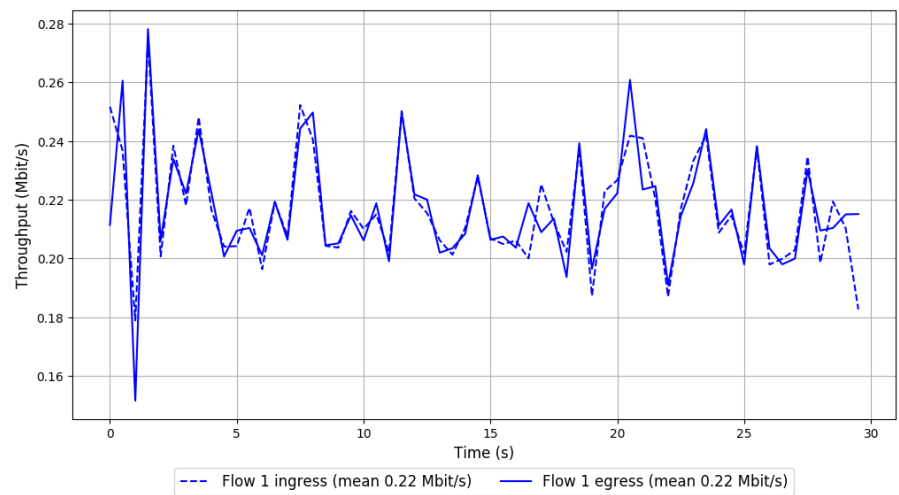
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.654 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

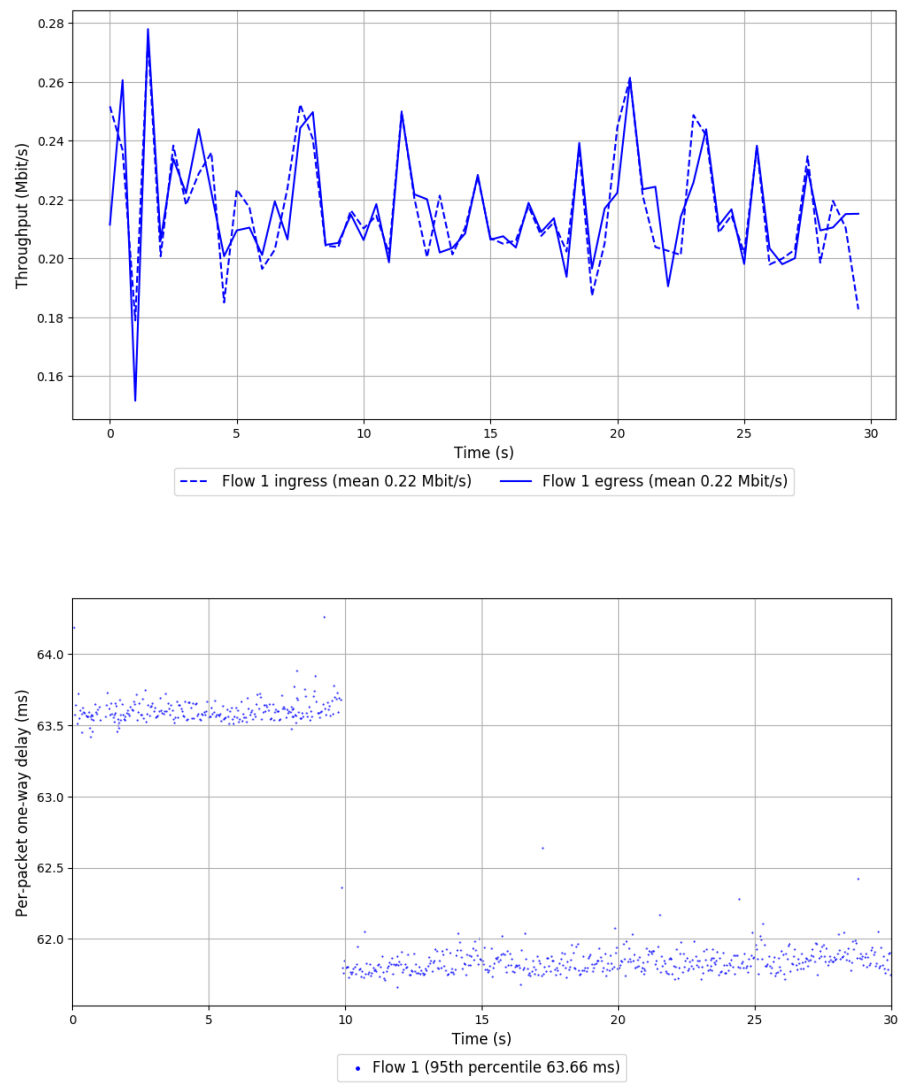


```
Run 4: Statistics of SCReAM

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 SReAM — 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%

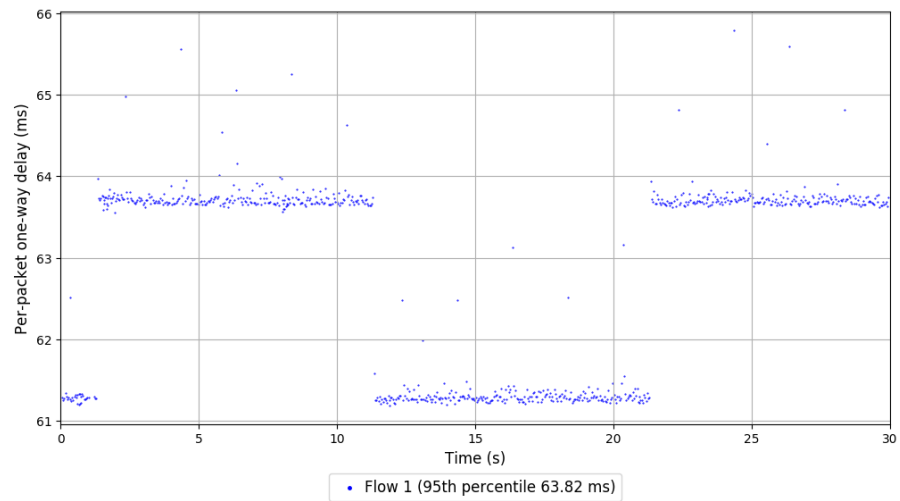
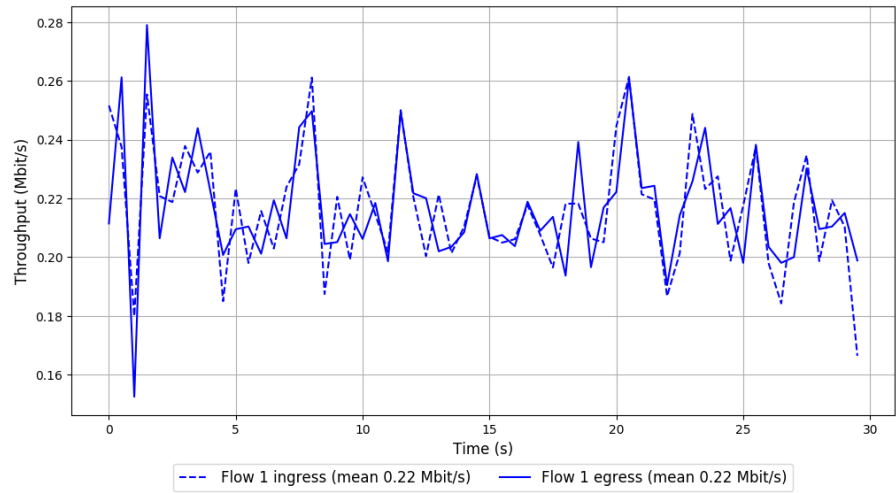
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.818 ms

Loss rate: 0.00%

Run 5: Report of SReAM — 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%

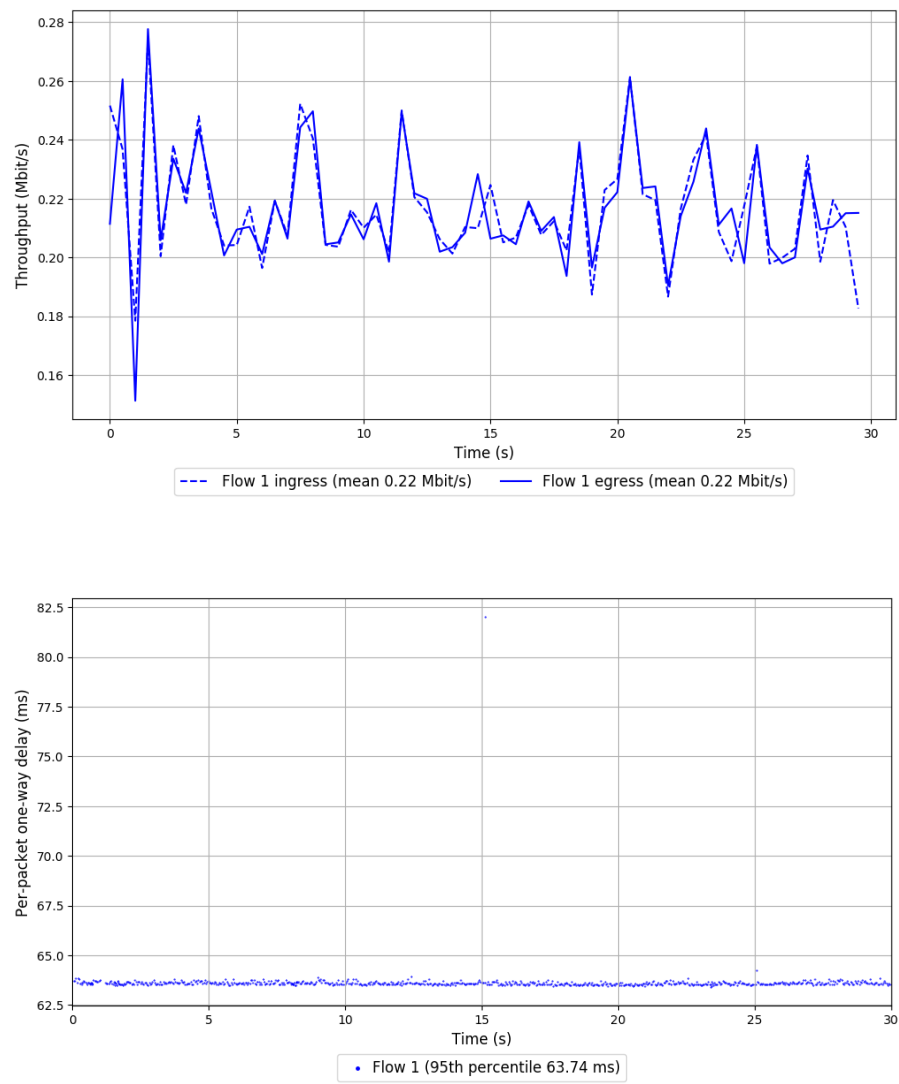
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.744 ms

Loss rate: 0.00%

Run 6: Report of SReAM — 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%

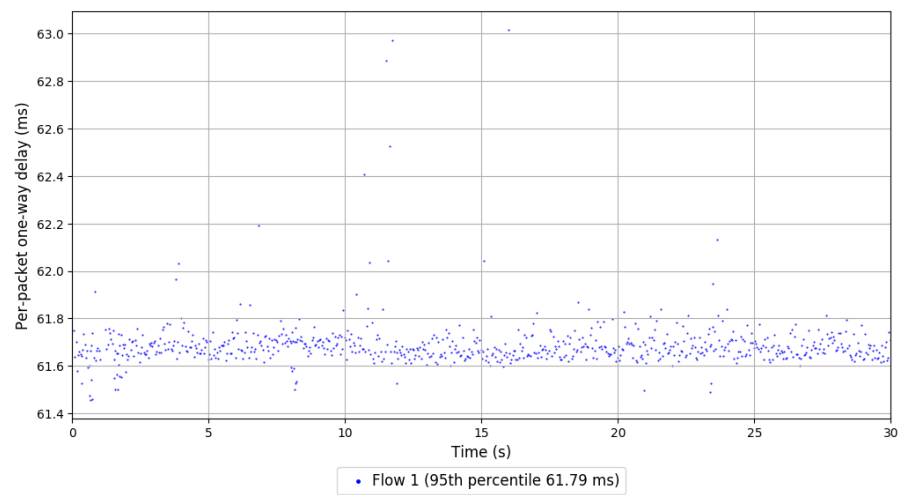
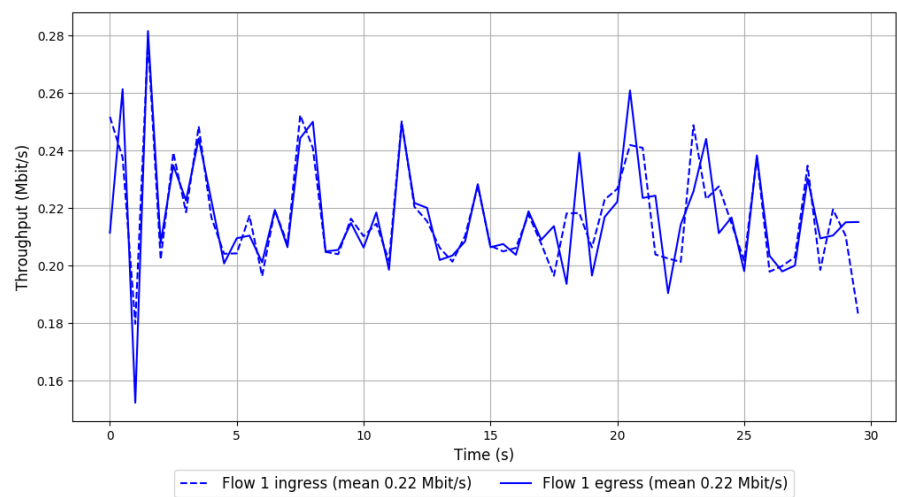
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.789 ms

Loss rate: 0.00%

Run 7: Report of SReAM — 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%

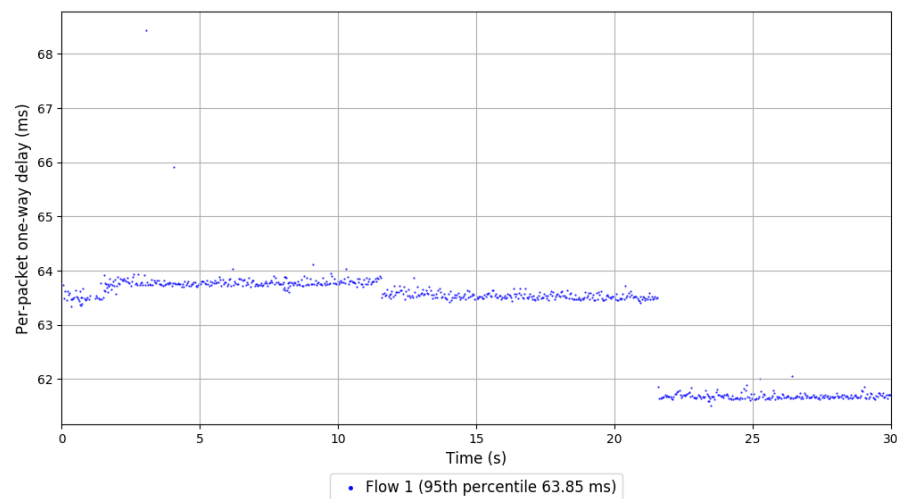
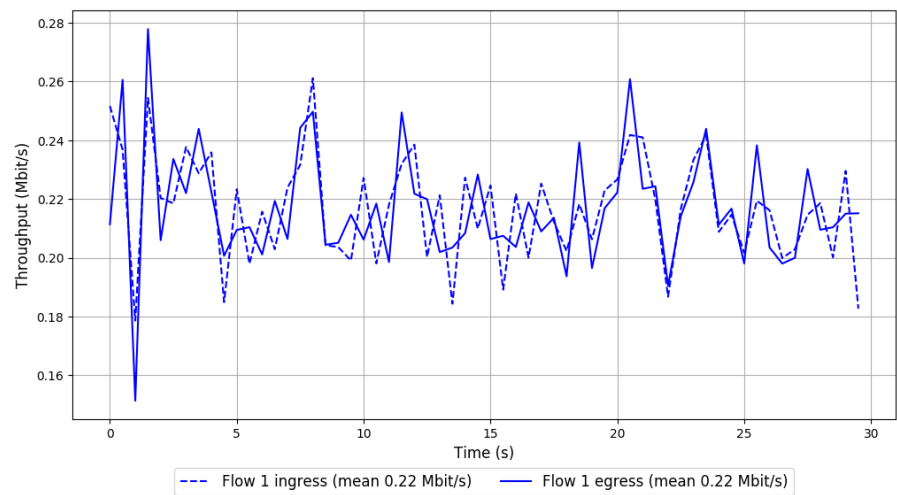
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.847 ms

Loss rate: 0.00%

Run 8: Report of SReAM — 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%

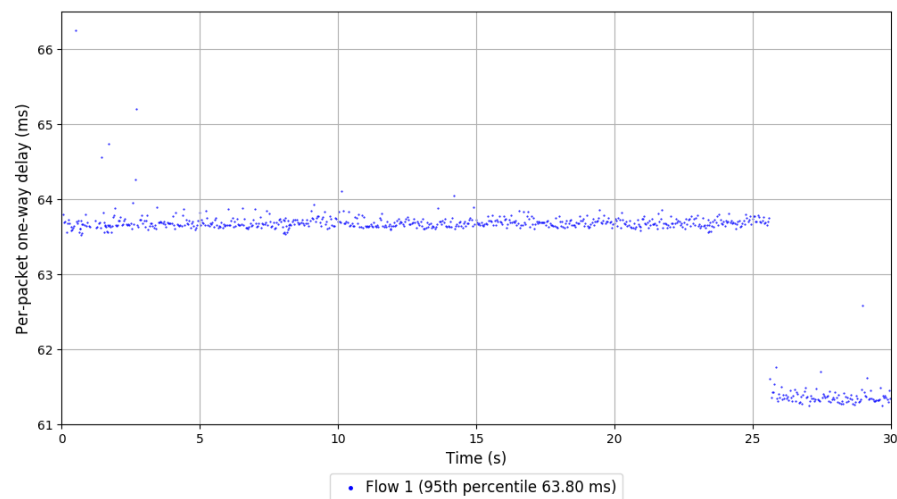
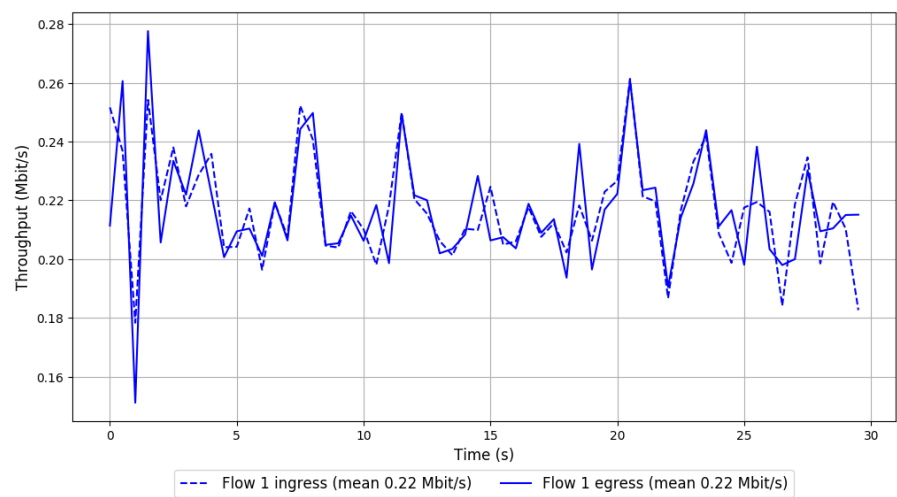
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.803 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

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%

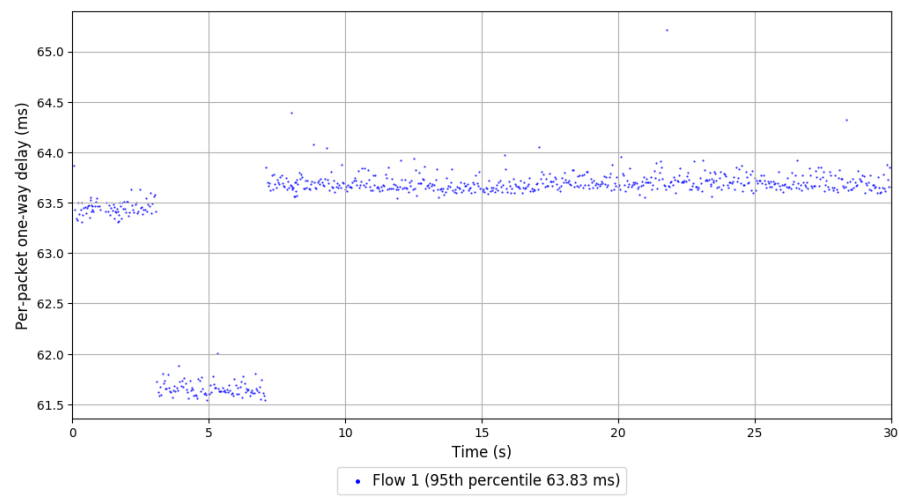
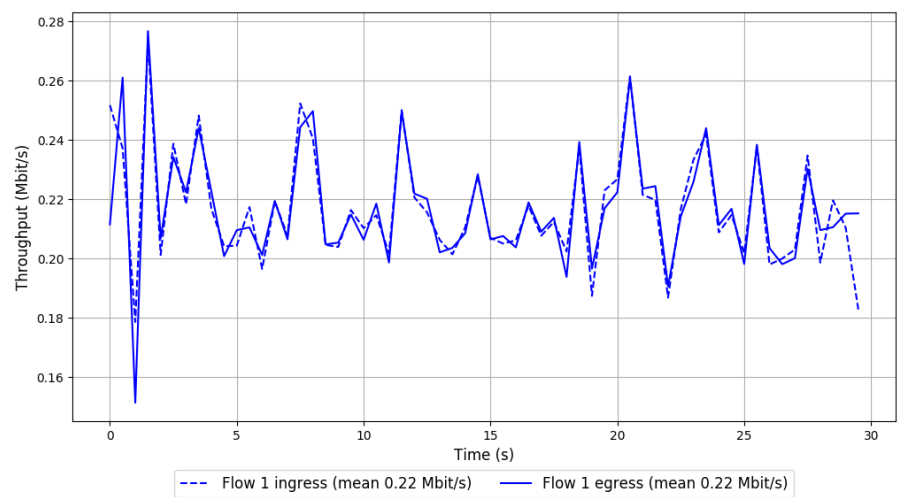
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.826 ms

Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

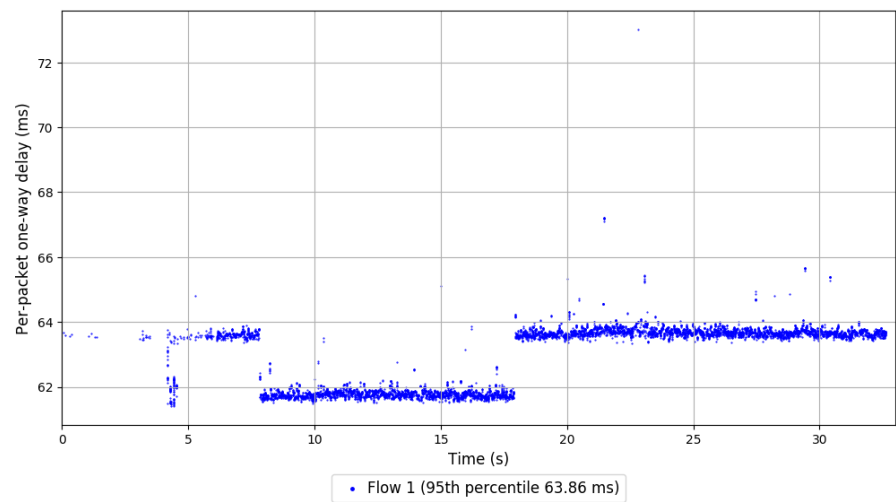
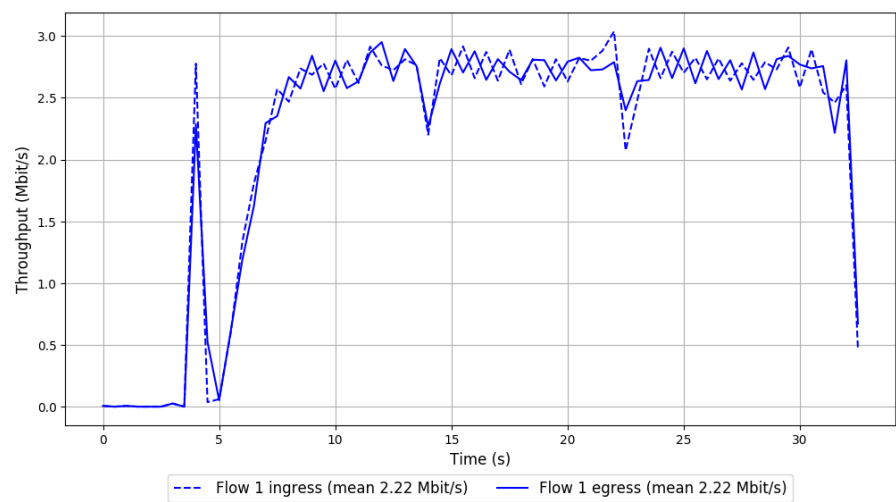


```
Run 1: Statistics of WebRTC media

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

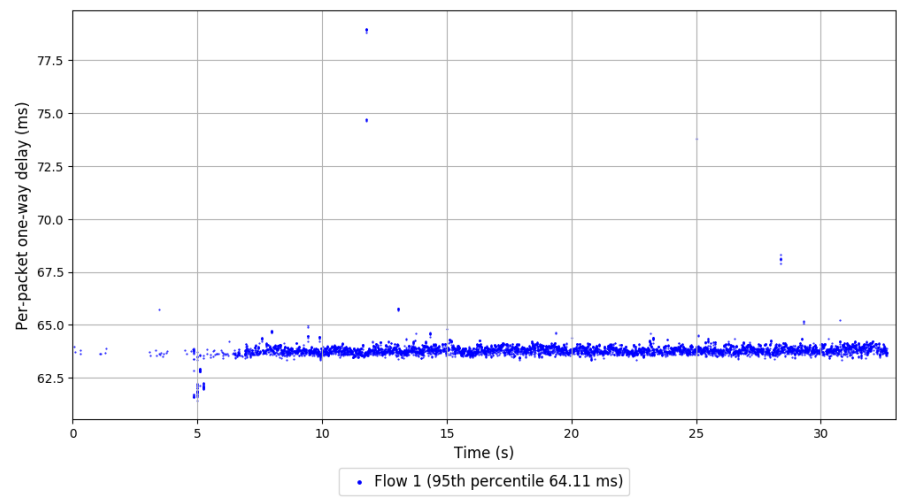
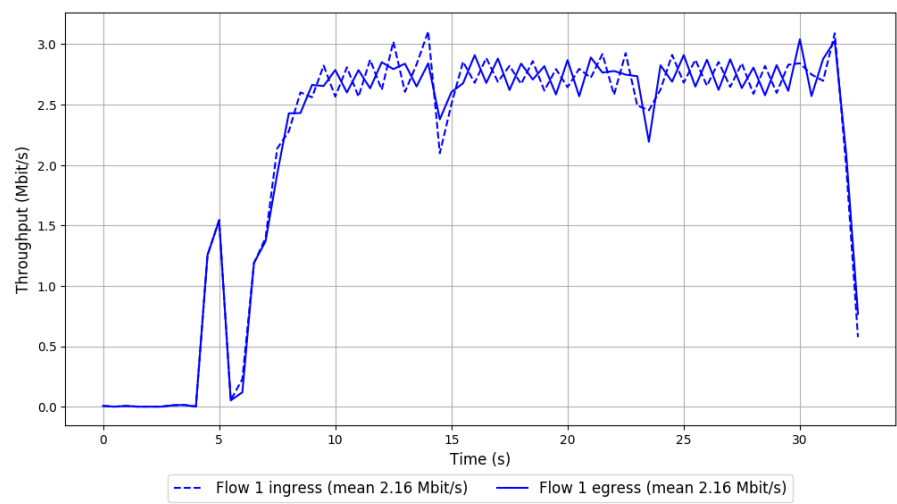


```
Run 2: Statistics of WebRTC media

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%

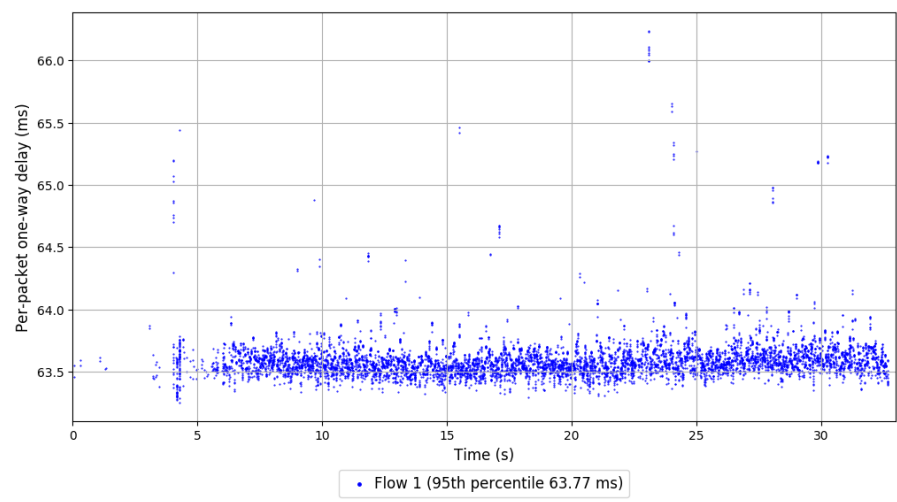
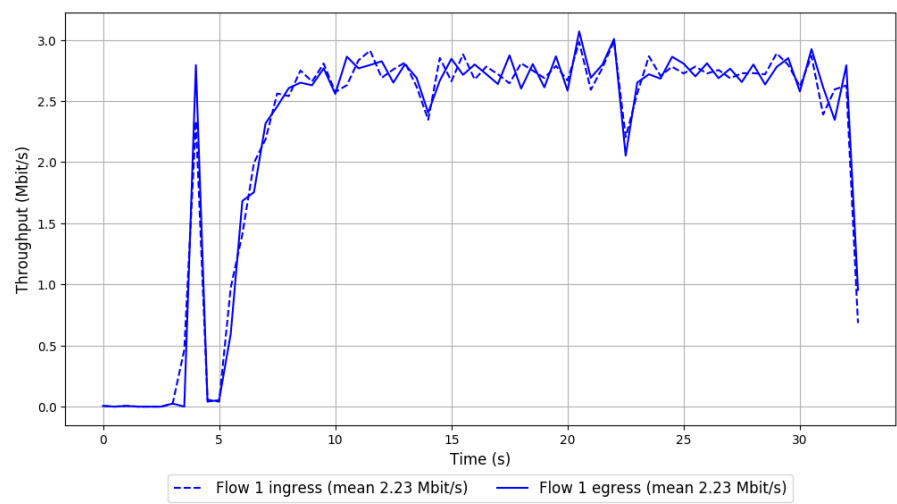
-- Flow 1:

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%

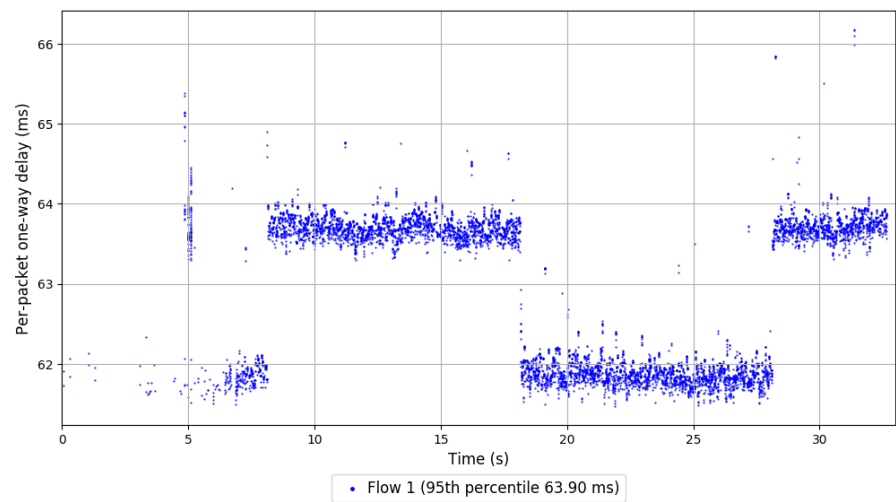
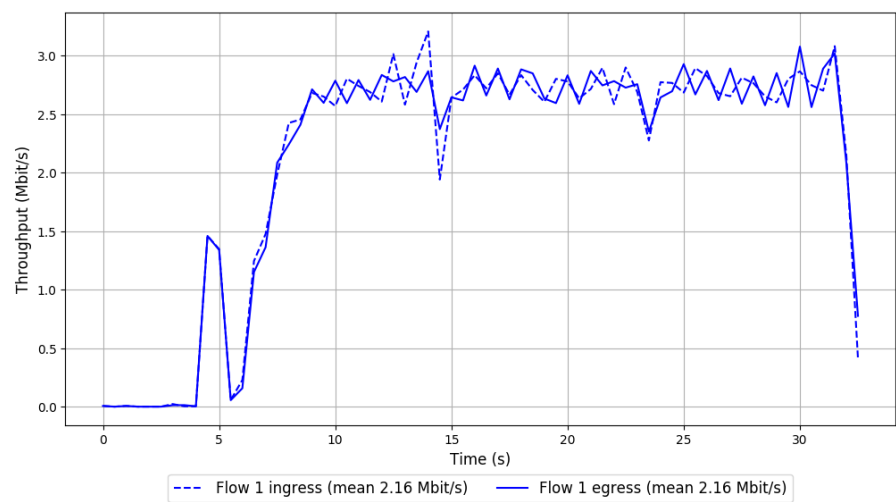
-- Flow 1:

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%

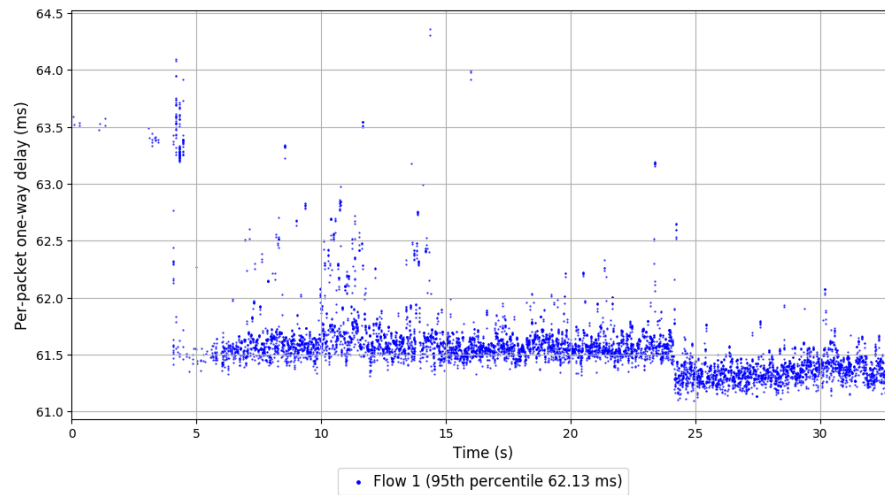
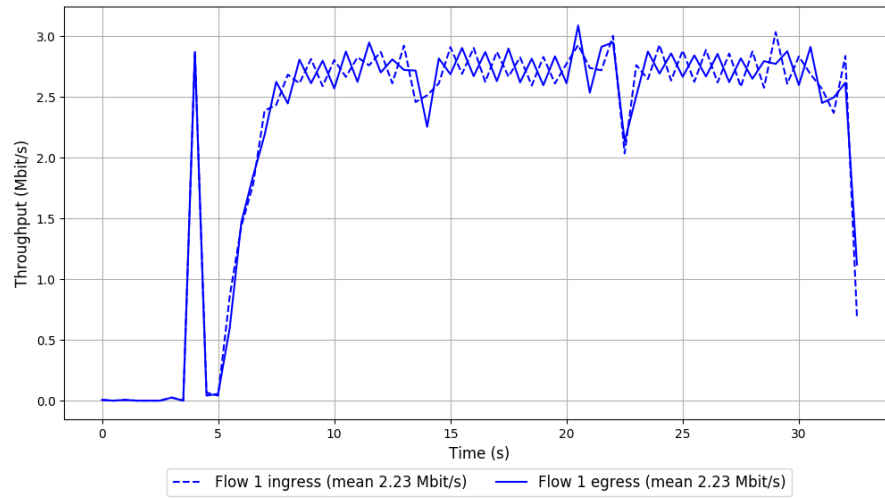
-- Flow 1:

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%

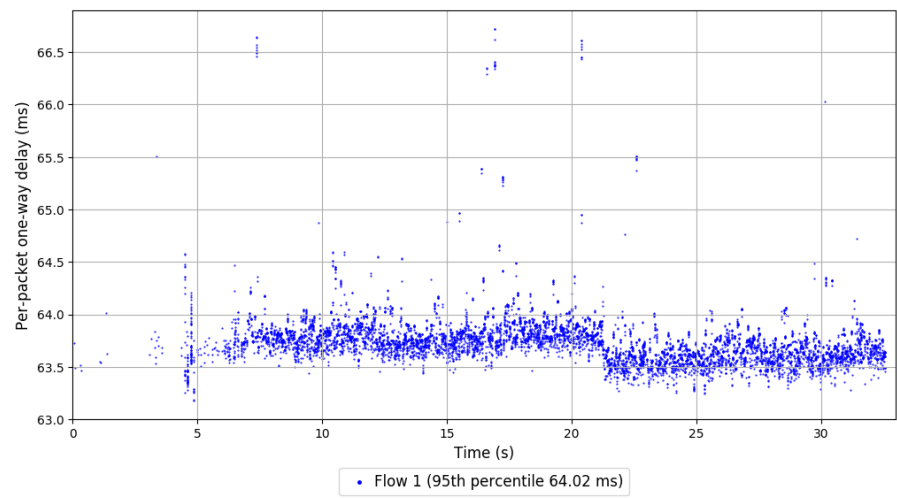
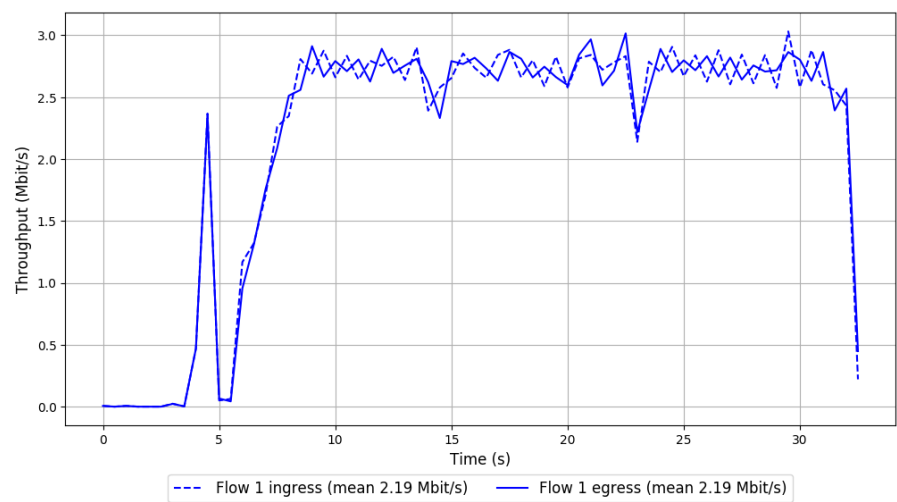
-- Flow 1:

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%

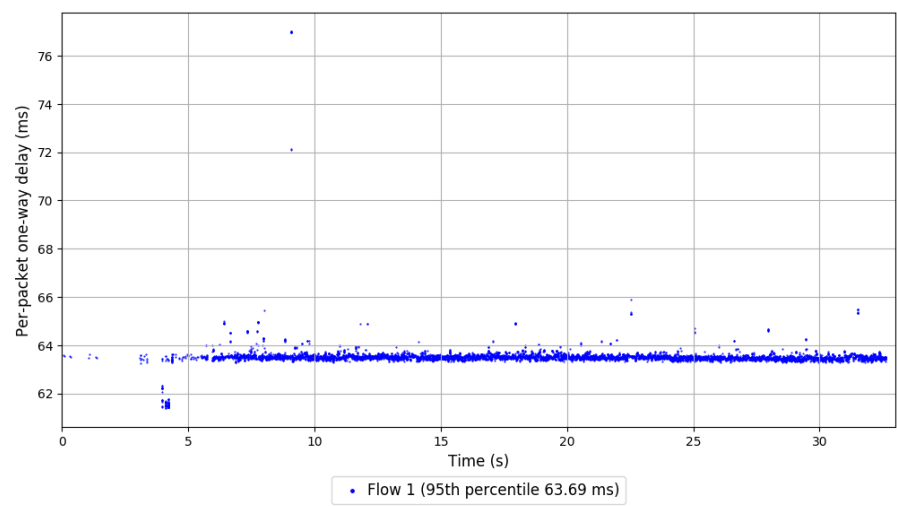
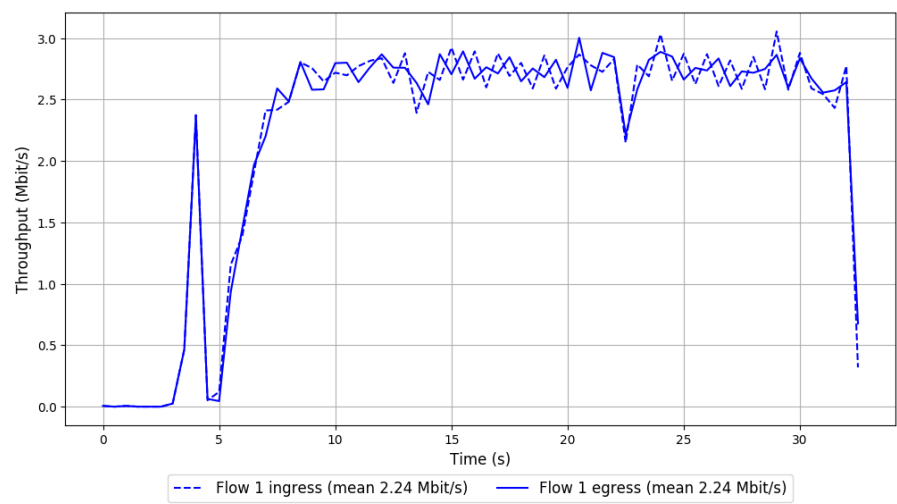
-- Flow 1:

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%

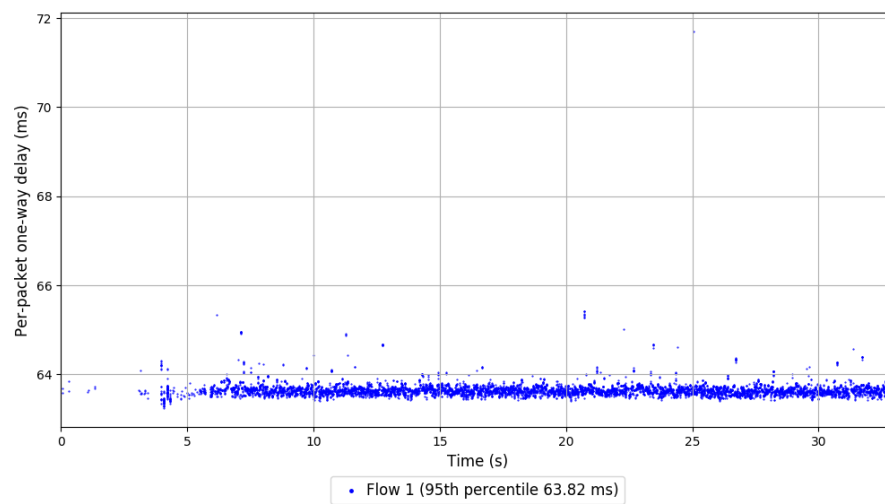
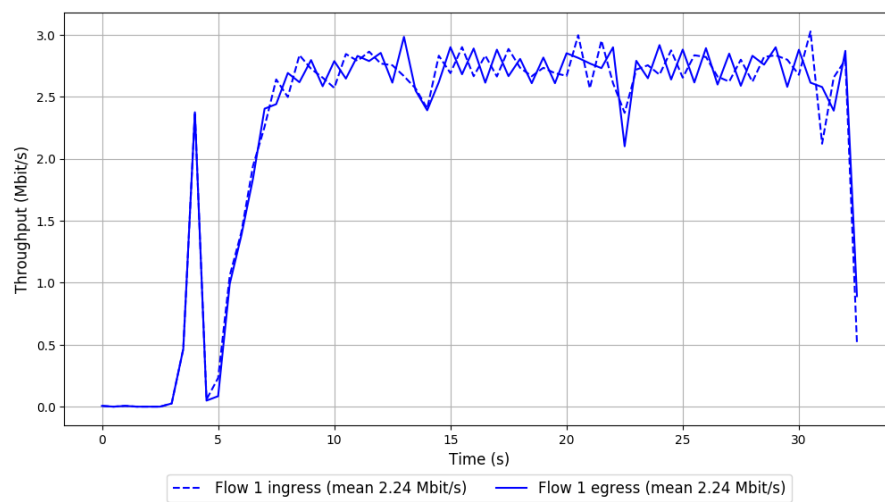
-- Flow 1:

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%

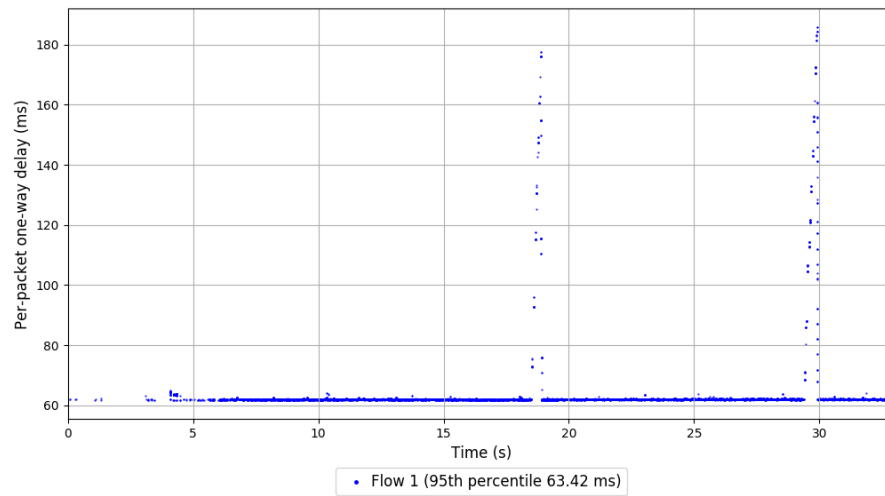
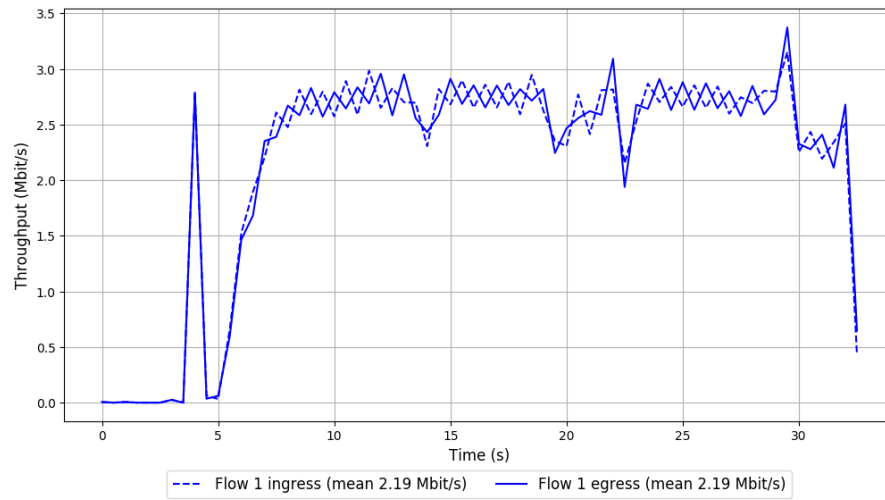
-- Flow 1:

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%

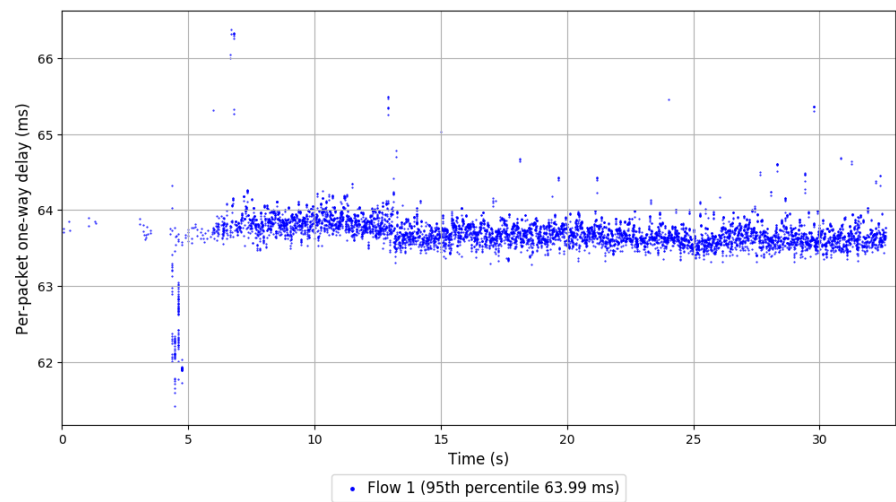
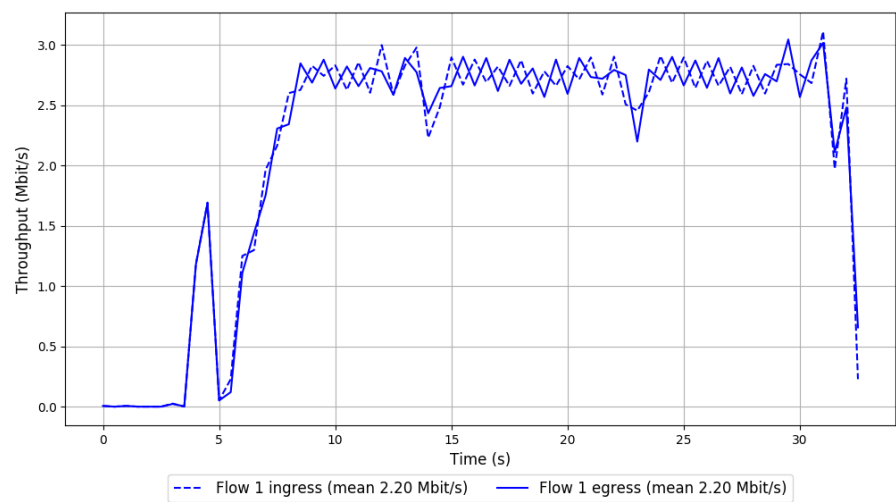
-- Flow 1:

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%

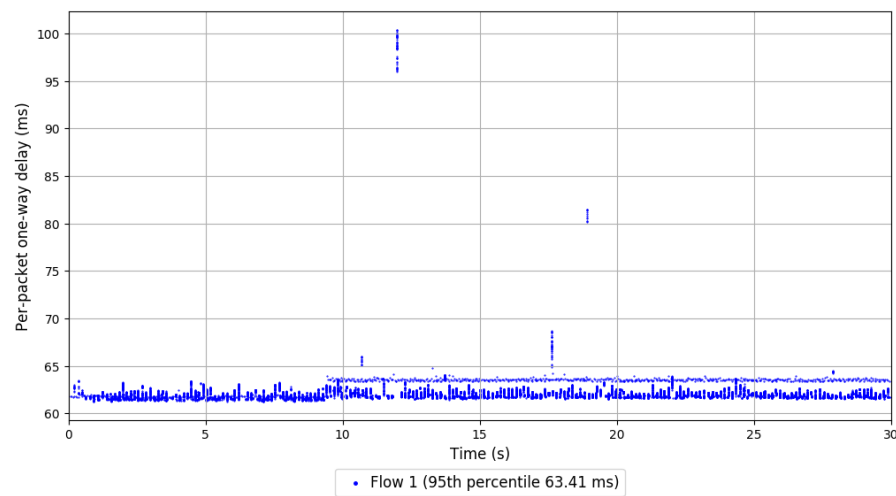
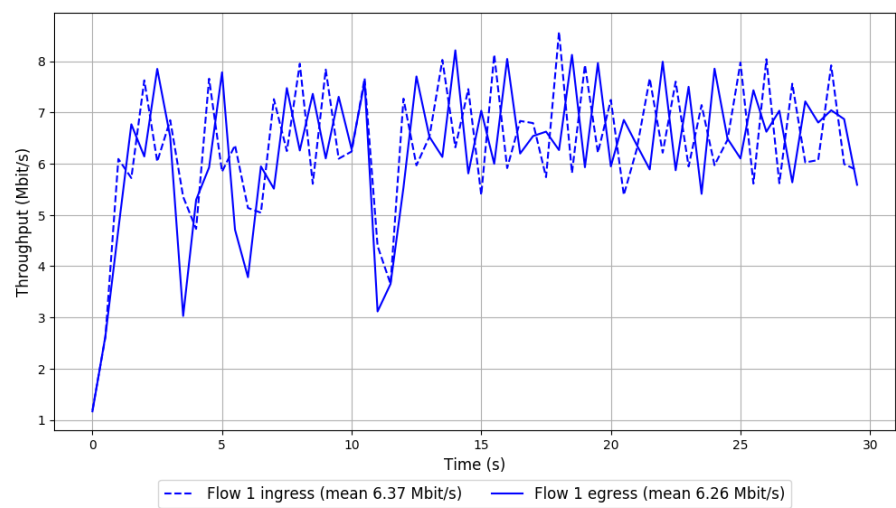
-- Flow 1:

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%

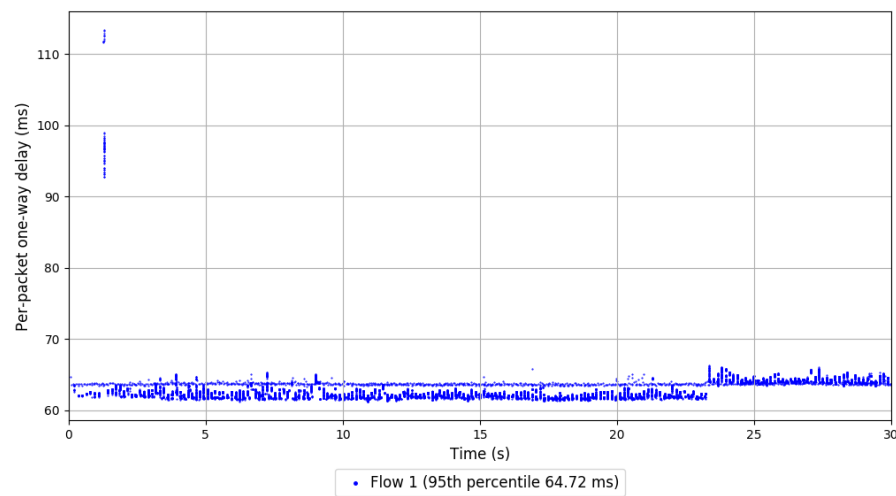
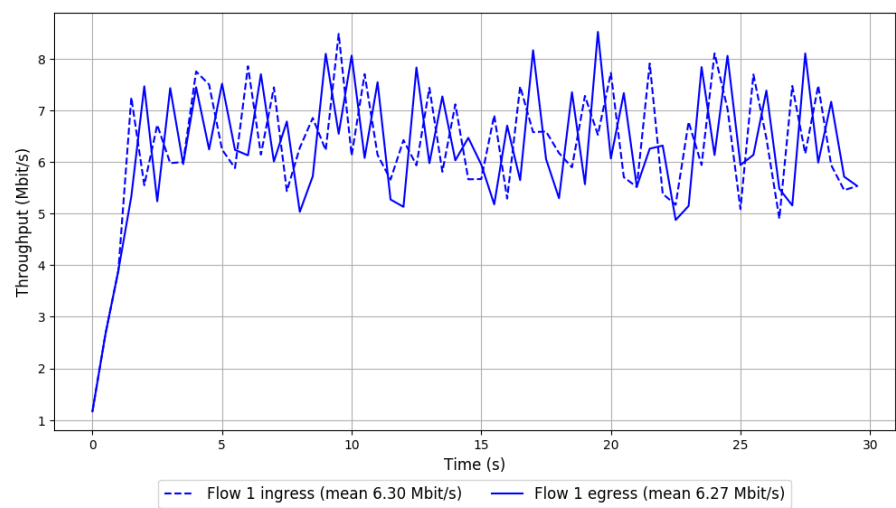
-- Flow 1:

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%

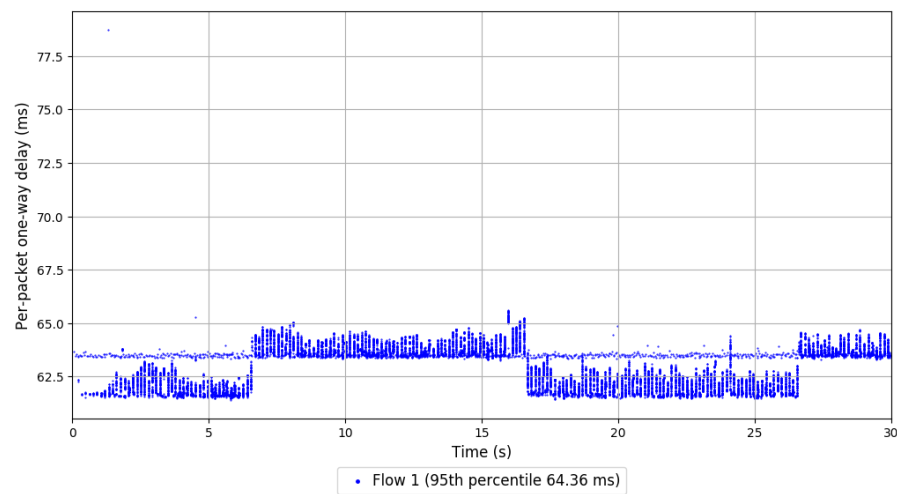
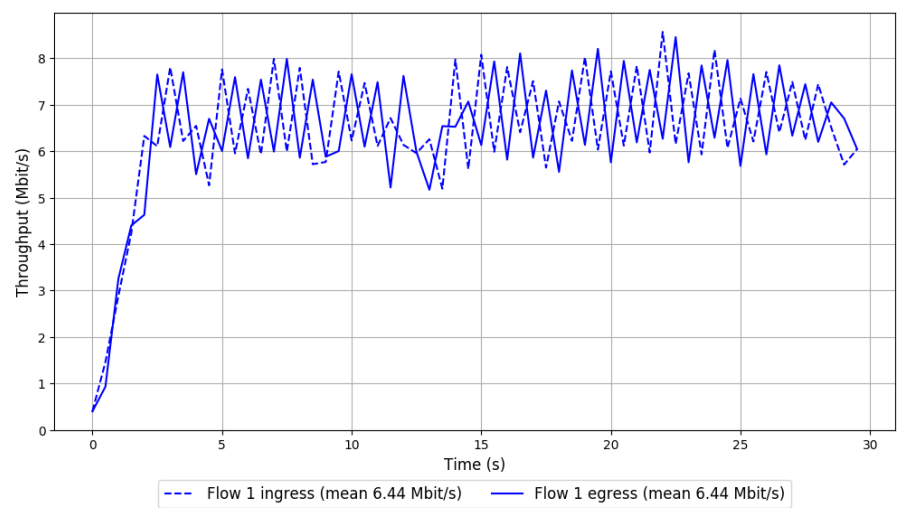
-- Flow 1:

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%

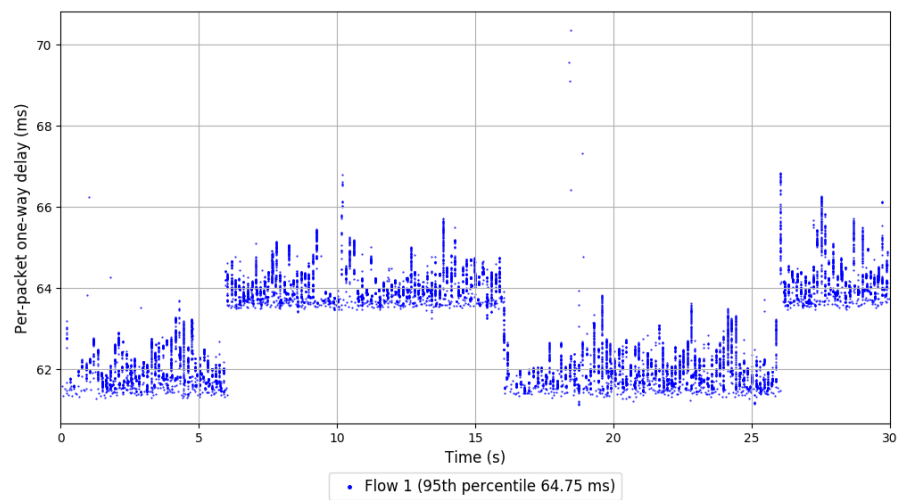
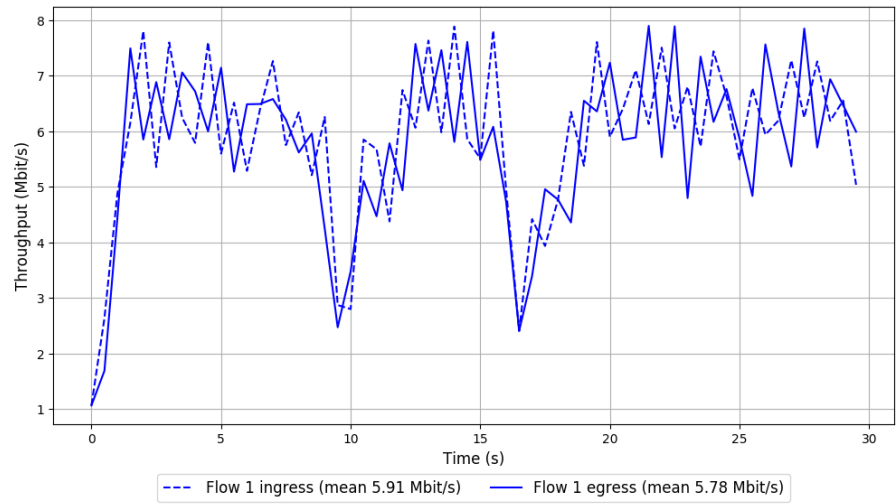
-- Flow 1:

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%

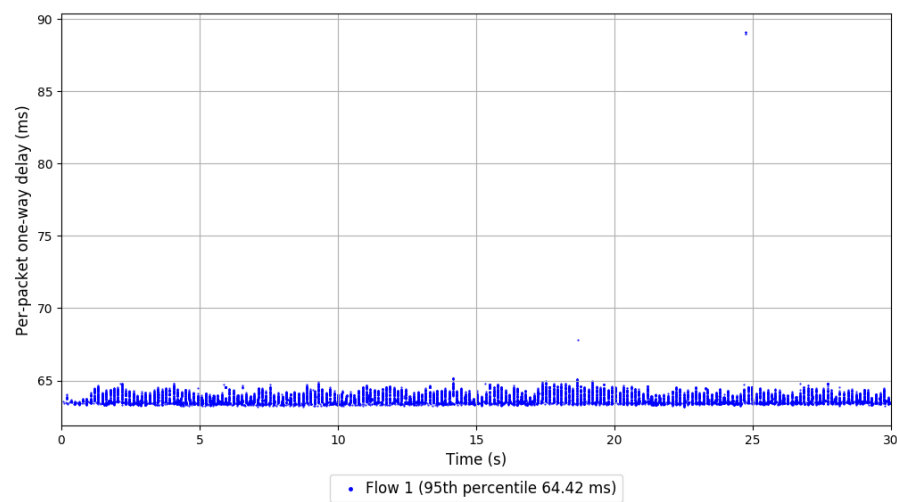
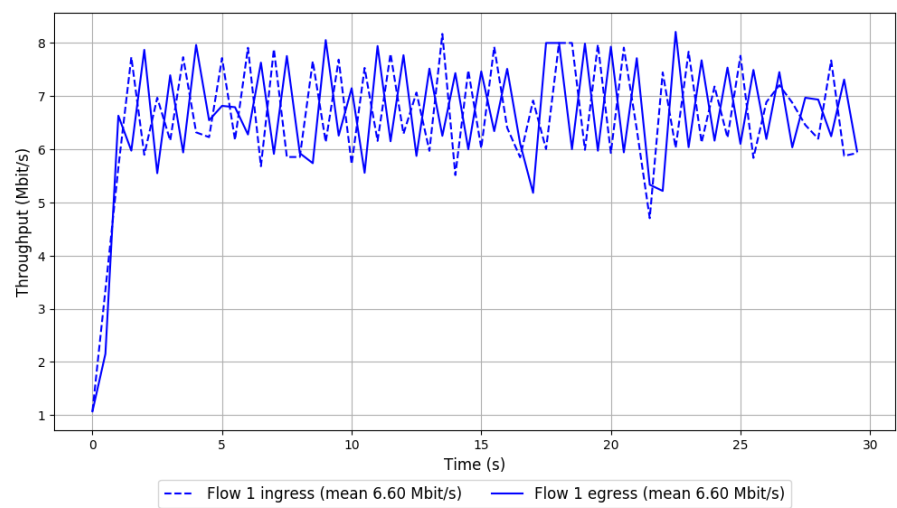
-- Flow 1:

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%

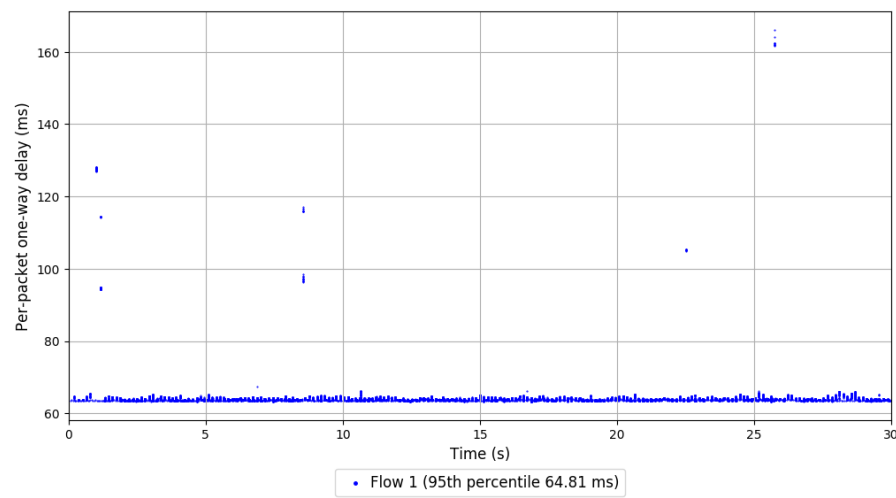
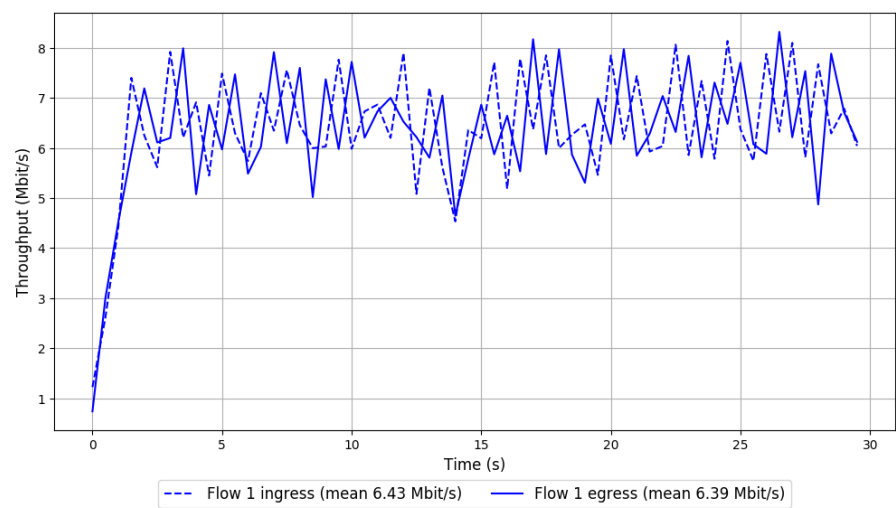
-- Flow 1:

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%

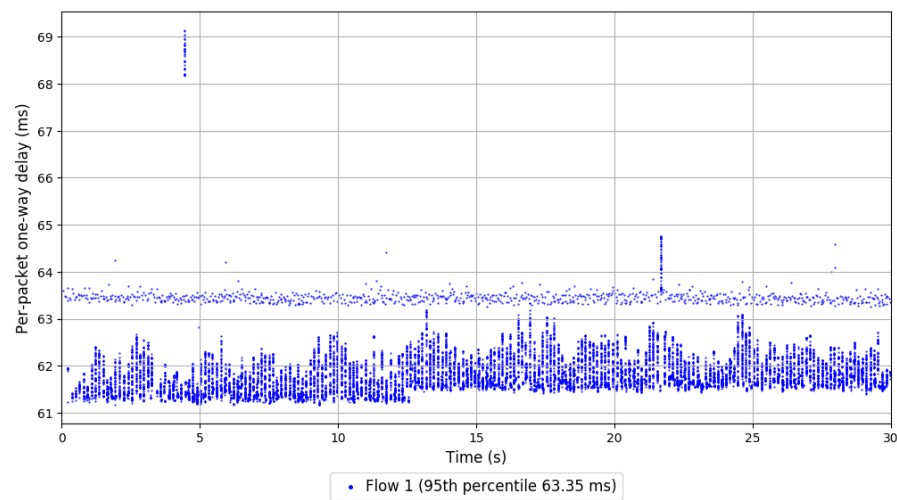
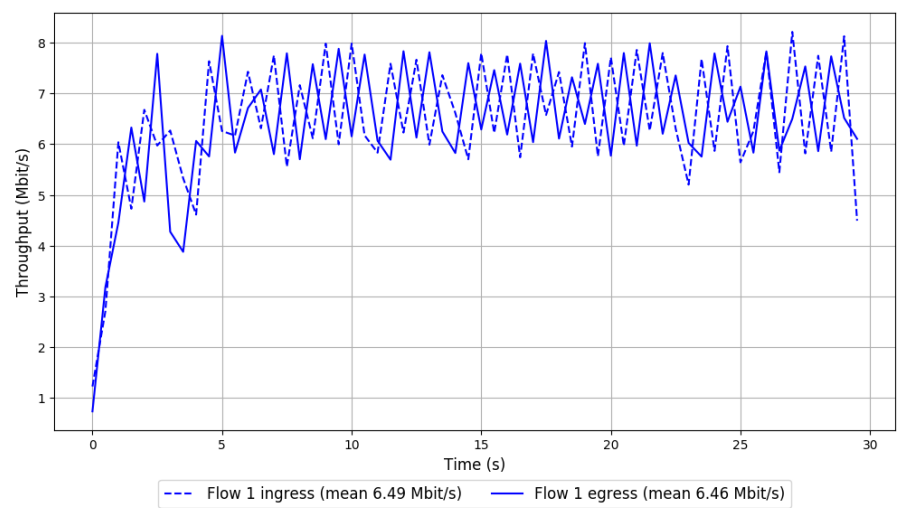
-- Flow 1:

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%

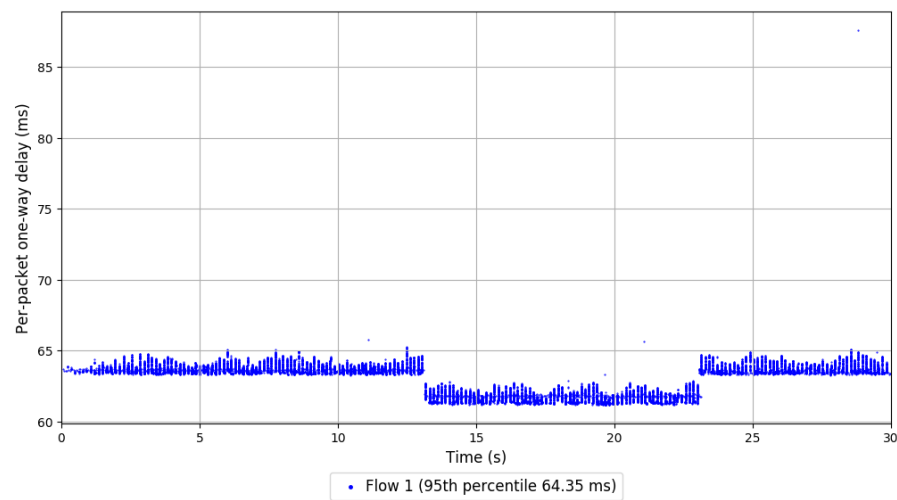
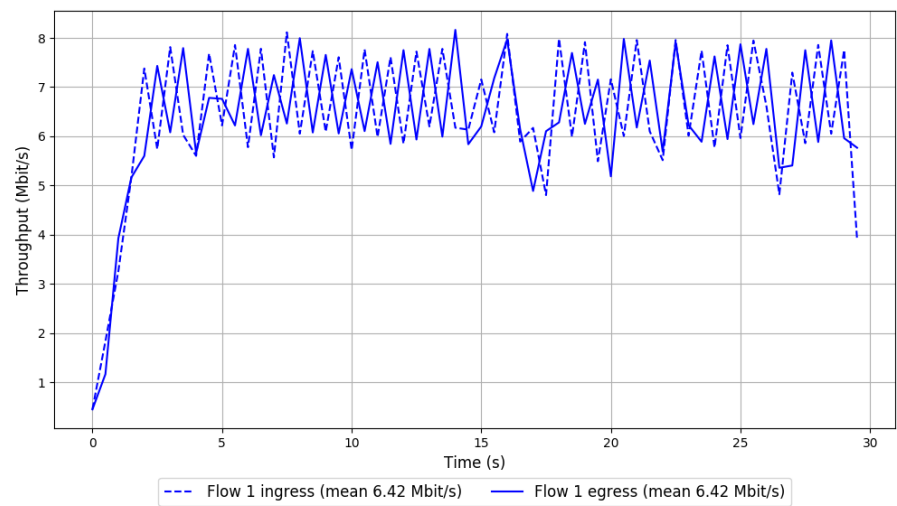
-- Flow 1:

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%

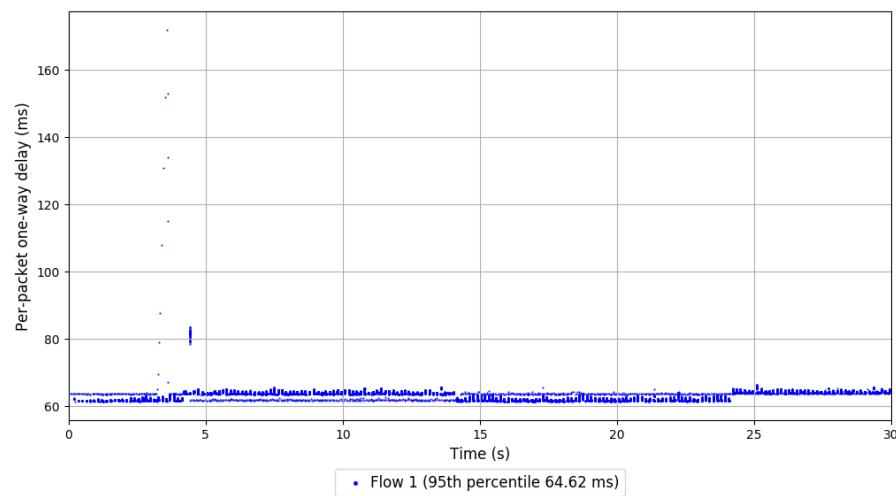
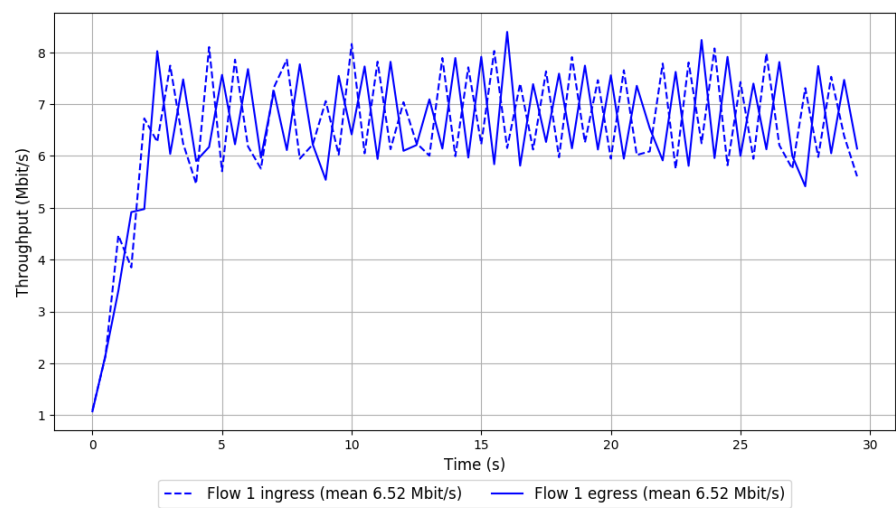
-- Flow 1:

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%

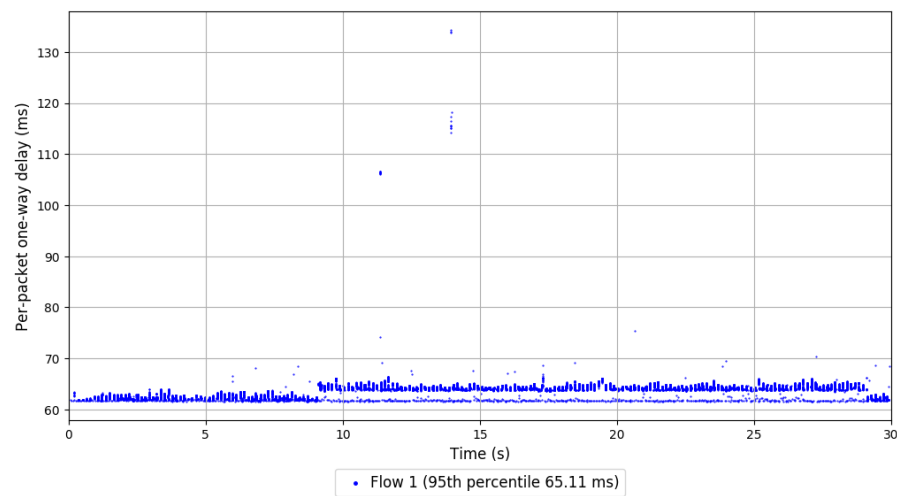
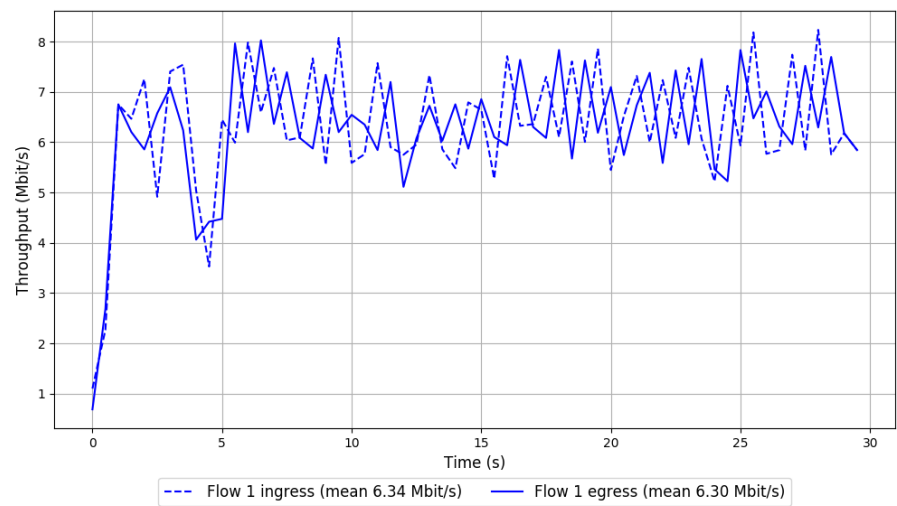
-- Flow 1:

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

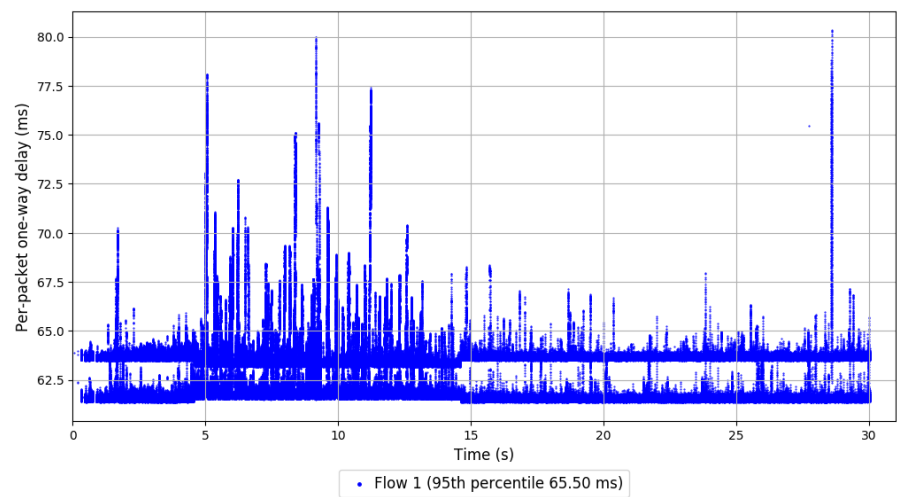
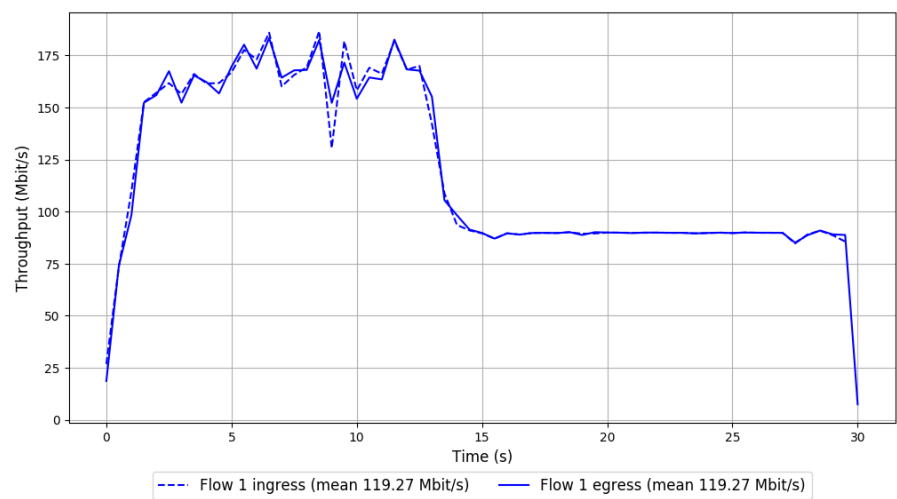


```
Run 1: Statistics of TaoVA-100x

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

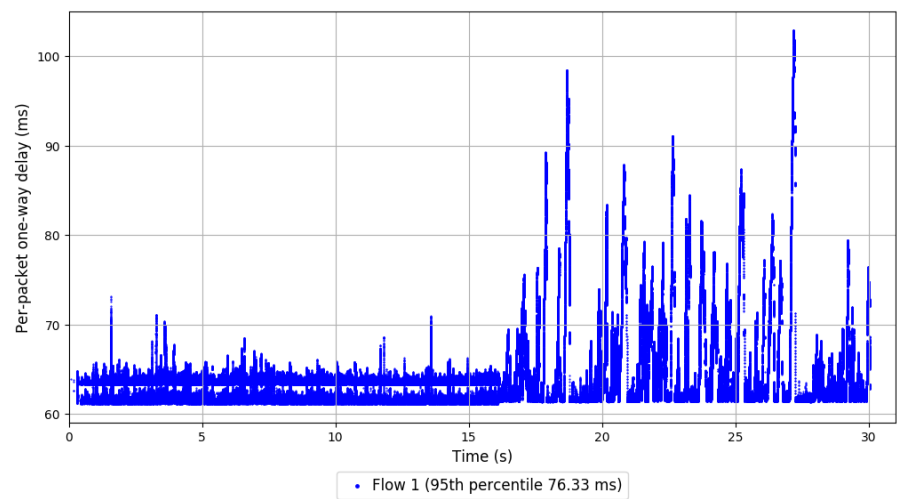
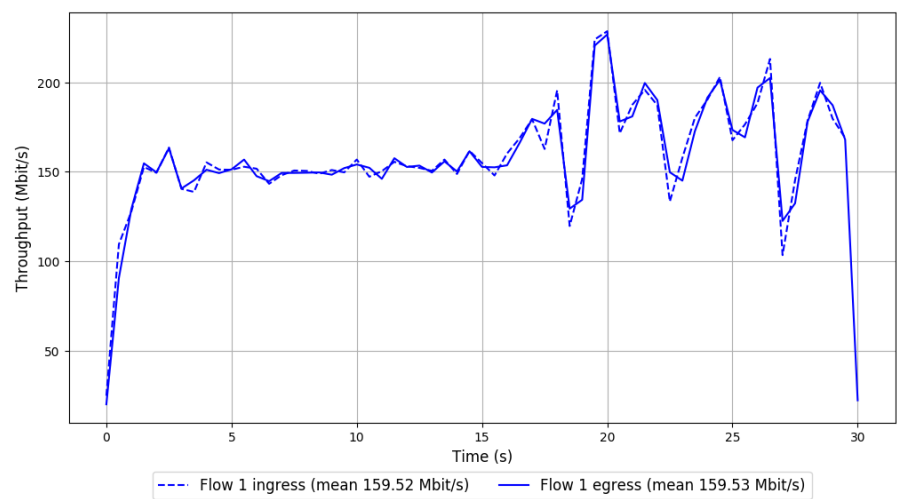


```
Run 2: Statistics of TaoVA-100x

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%

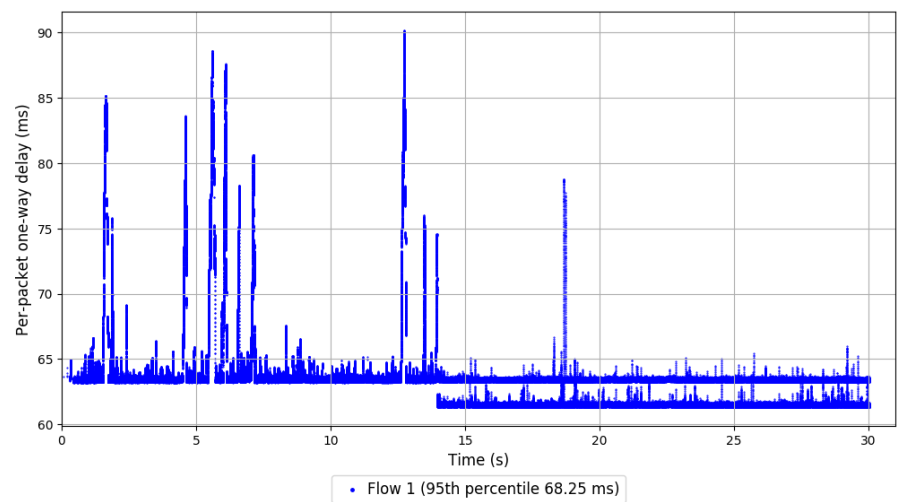
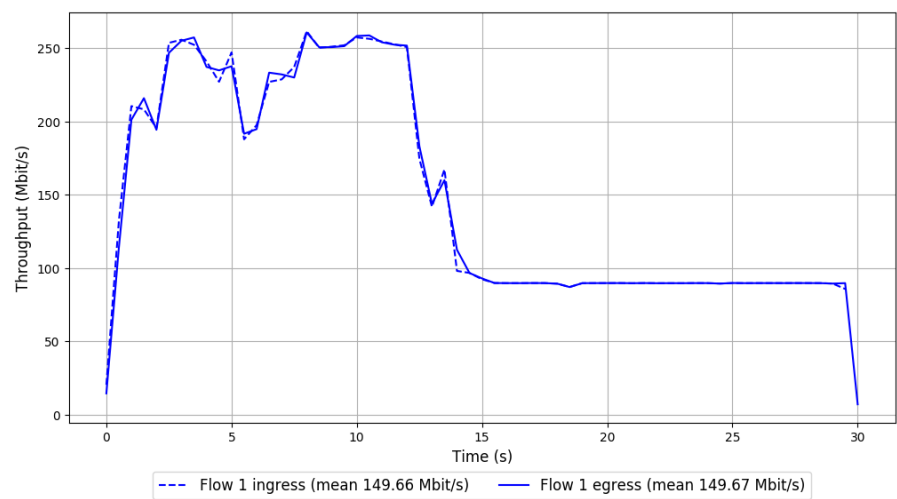
-- Flow 1:

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%

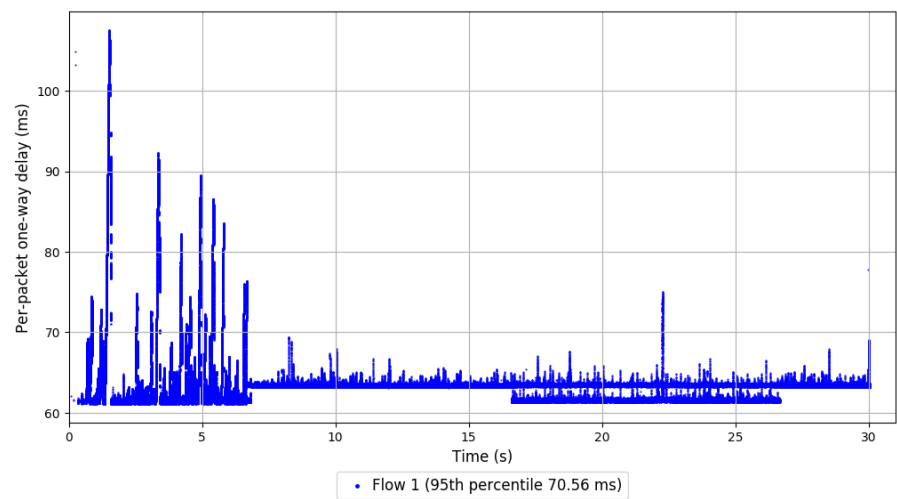
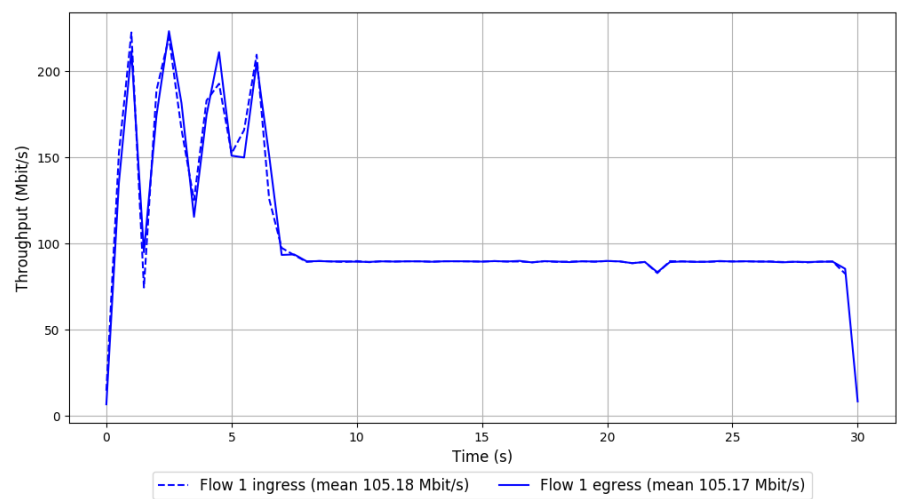
-- Flow 1:

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

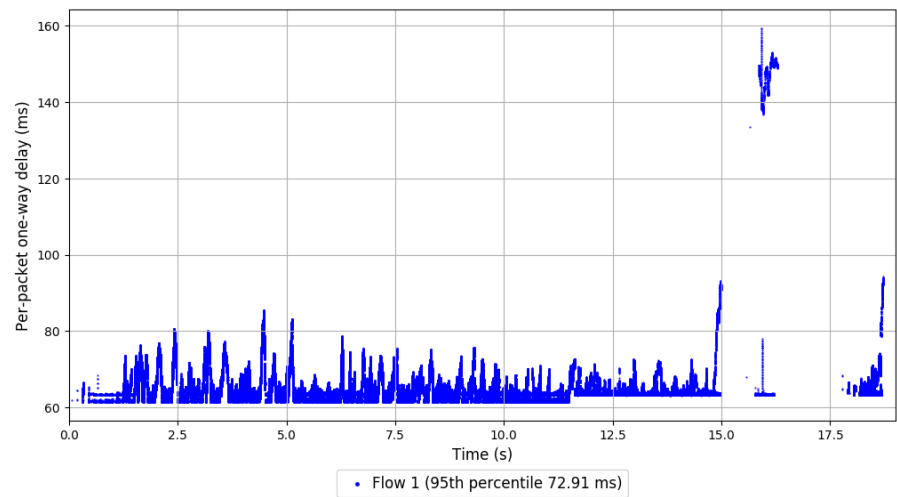
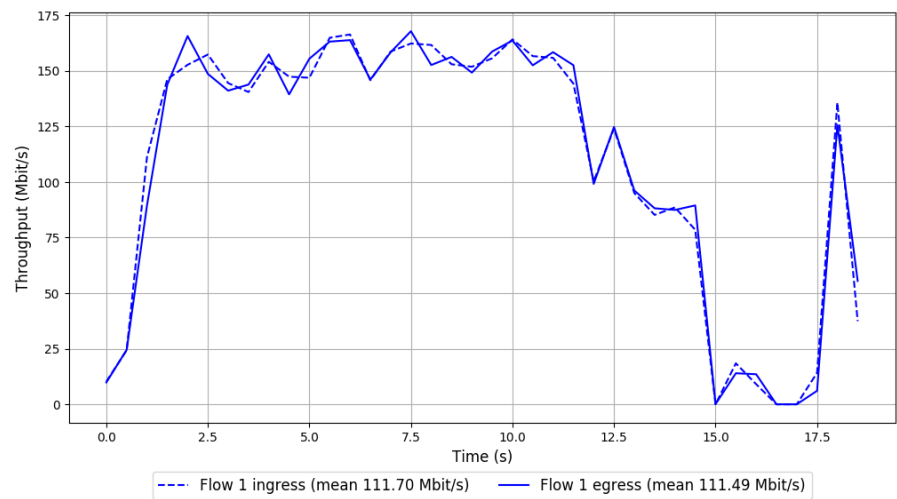


Run 5: Statistics of TaoVA-100x

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%

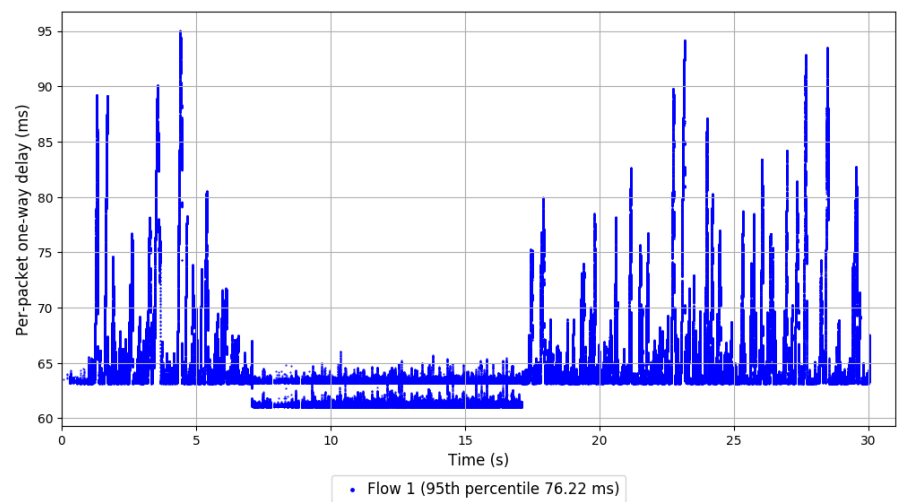
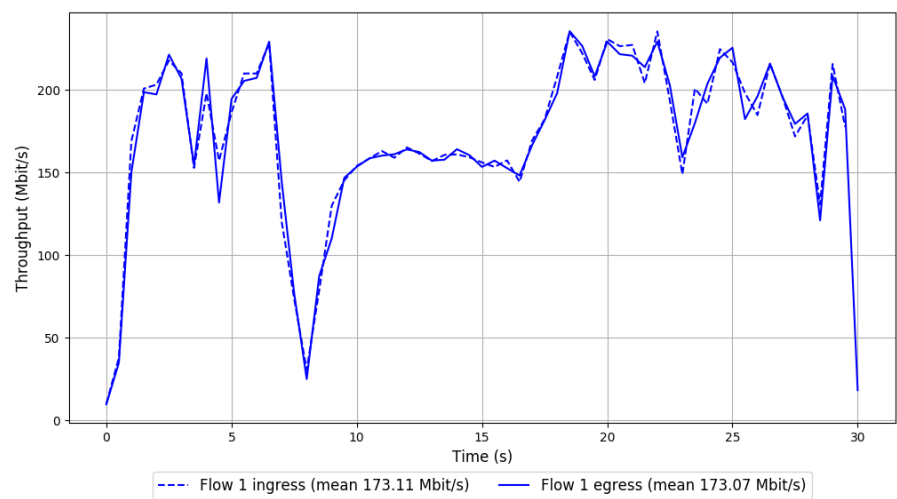
-- Flow 1:

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%

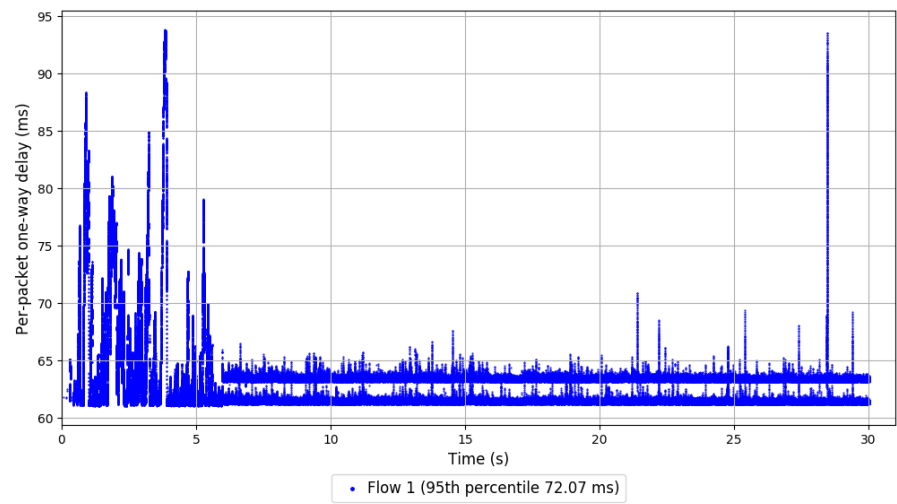
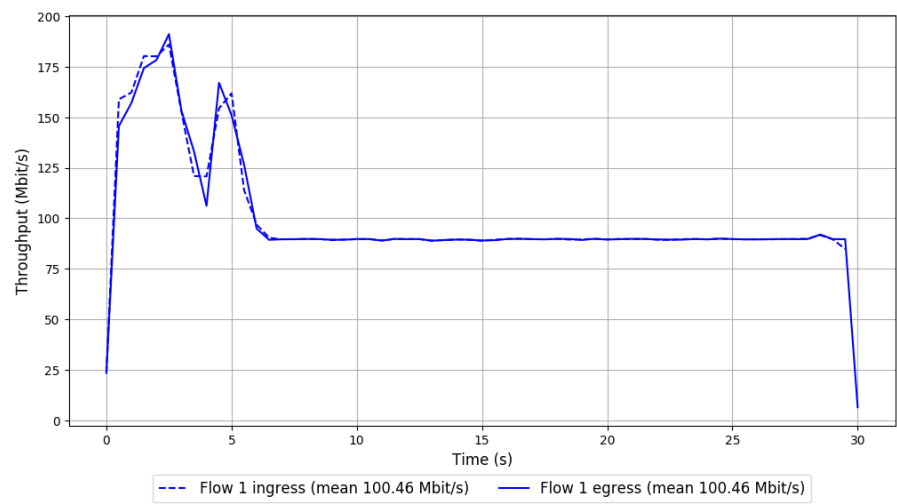
-- Flow 1:

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%

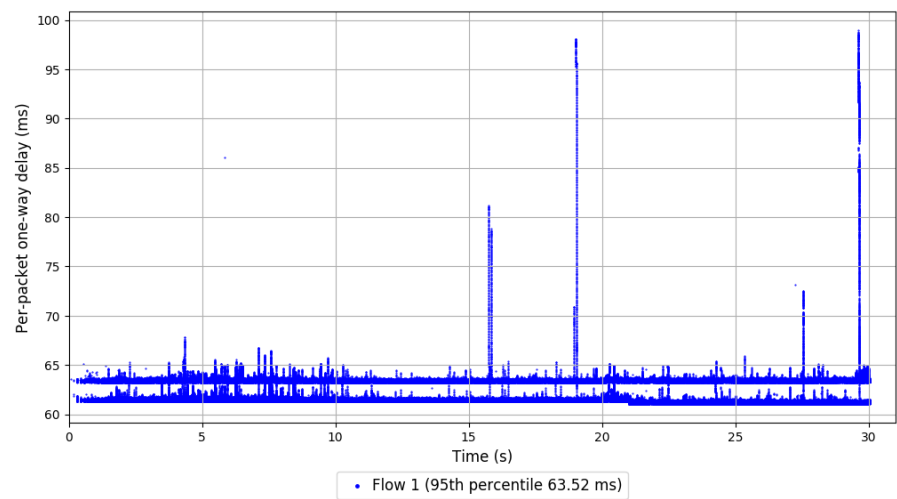
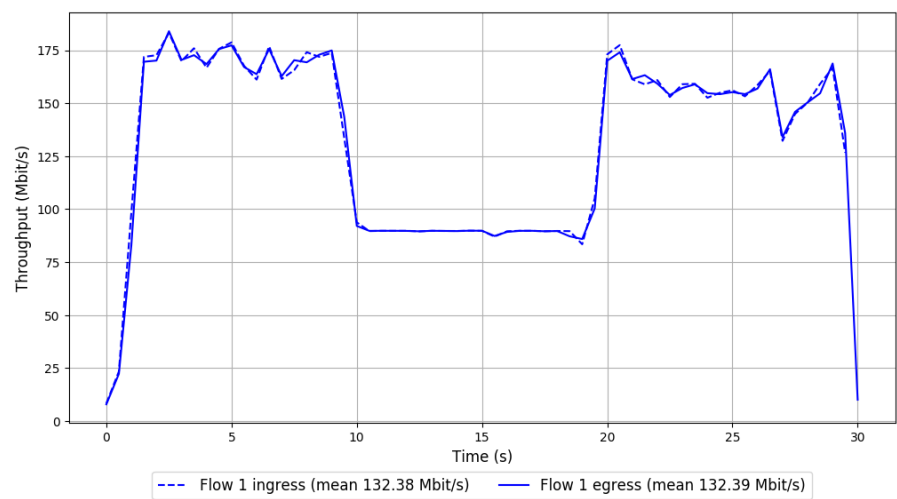
-- Flow 1:

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%

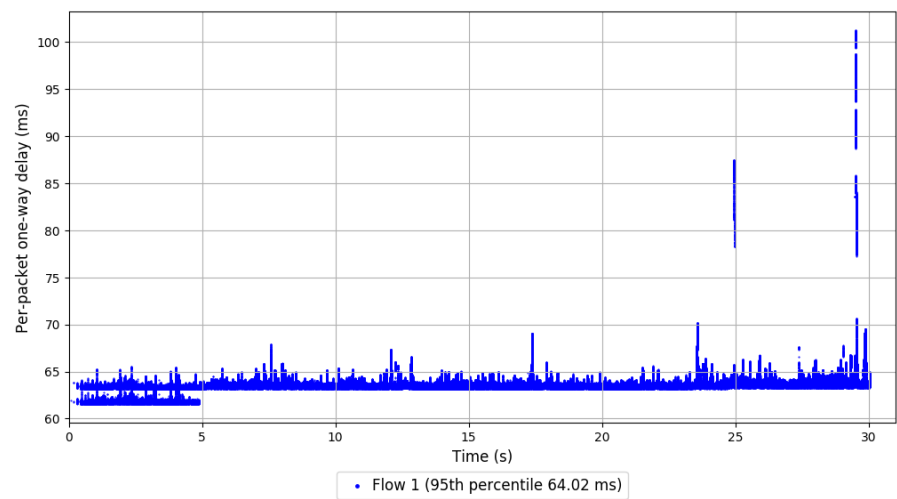
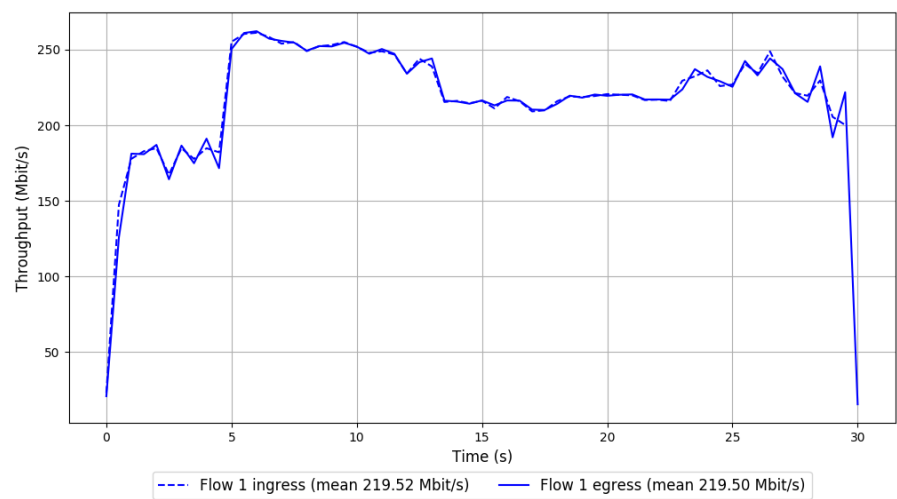
-- Flow 1:

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

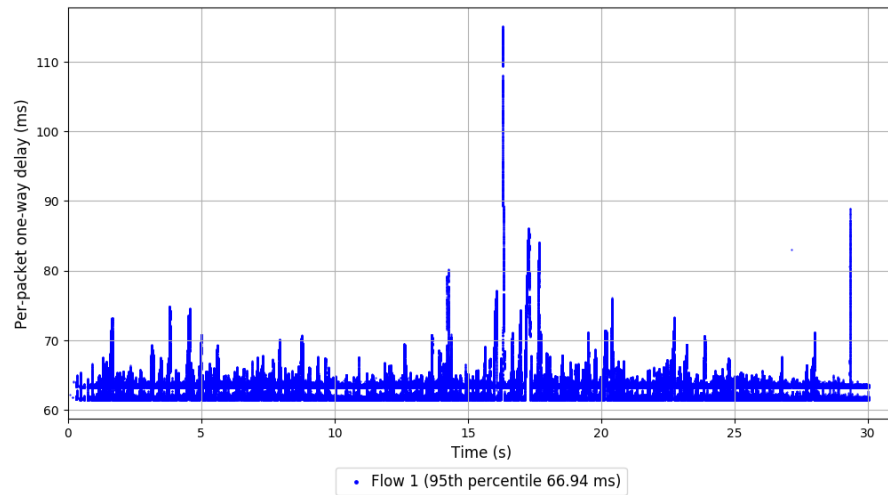
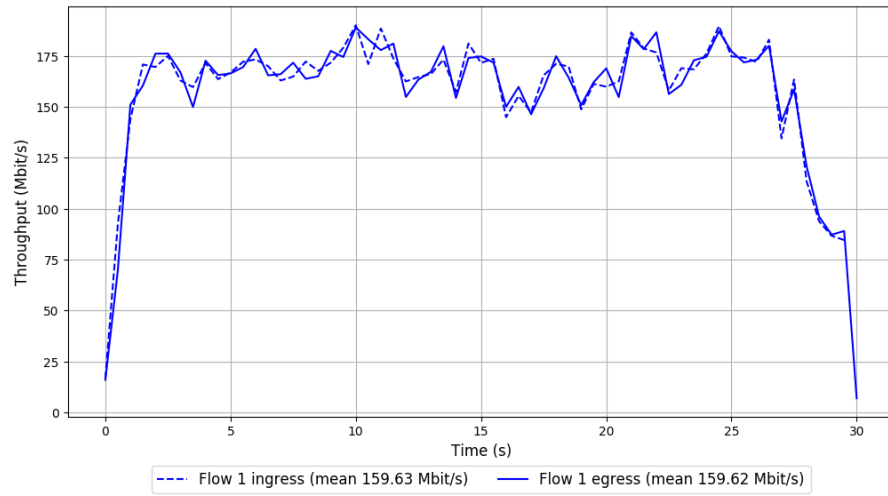


```
Run 10: Statistics of TaoVA-100x

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%

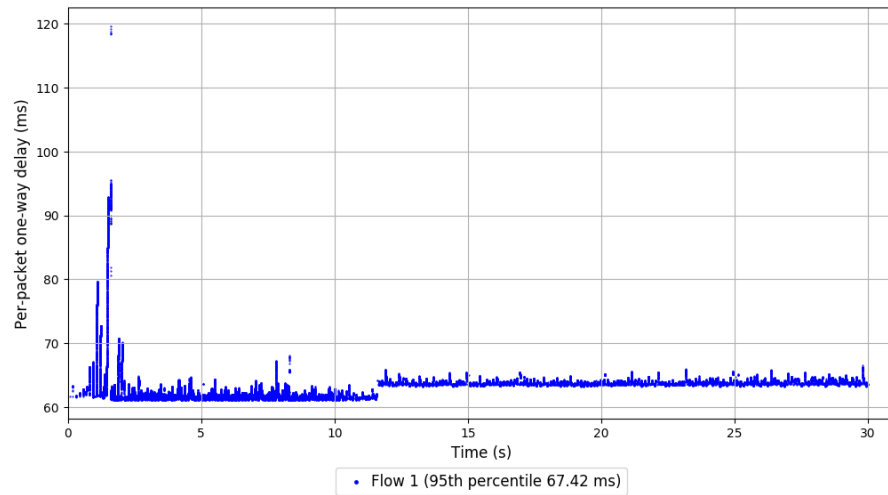
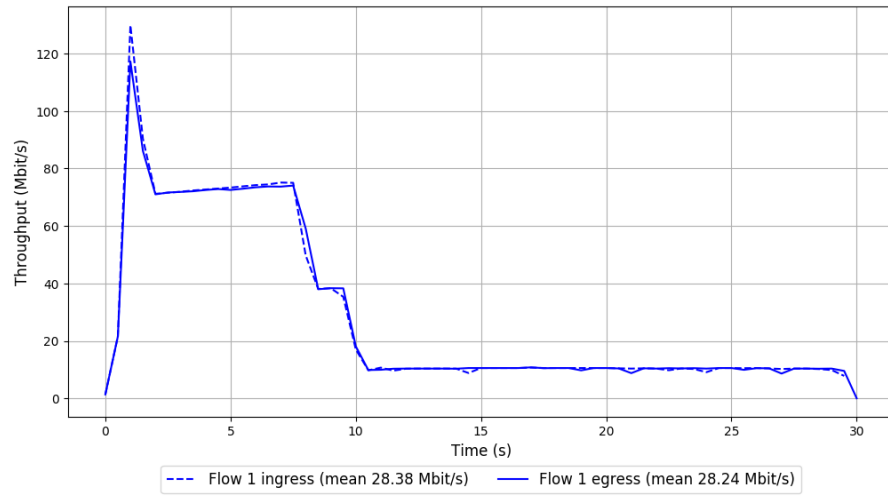
-- Flow 1:

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%

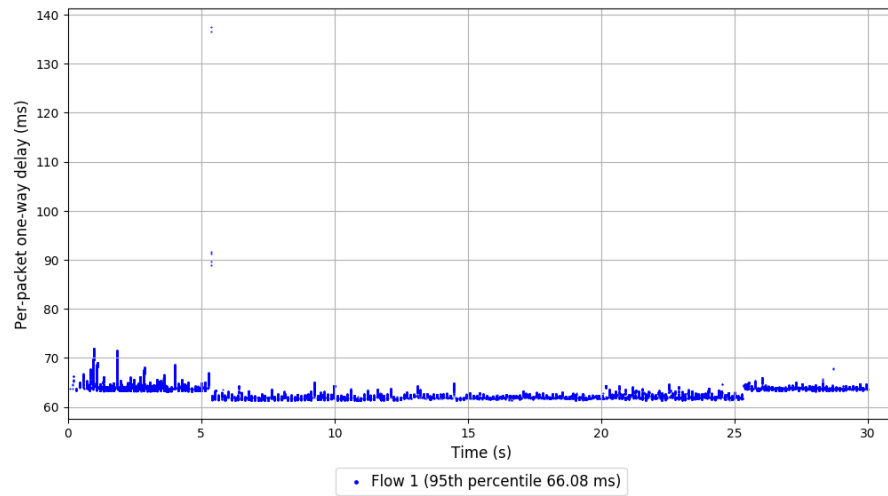
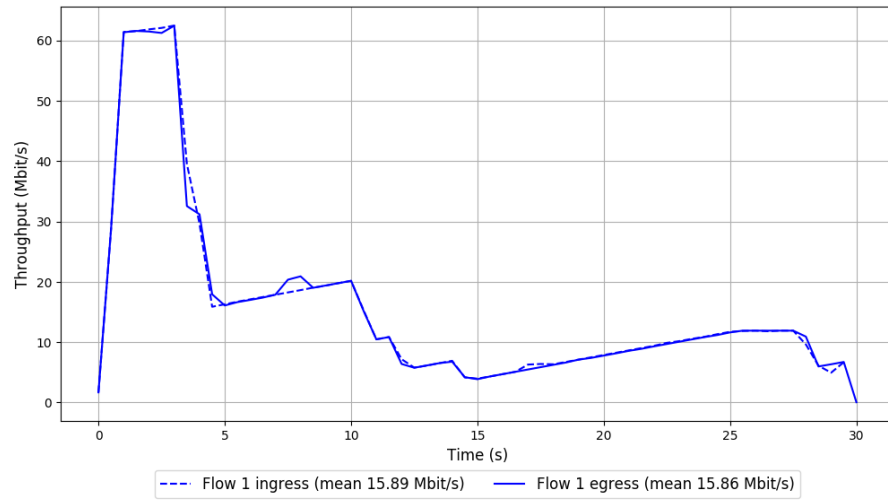
-- Flow 1:

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%

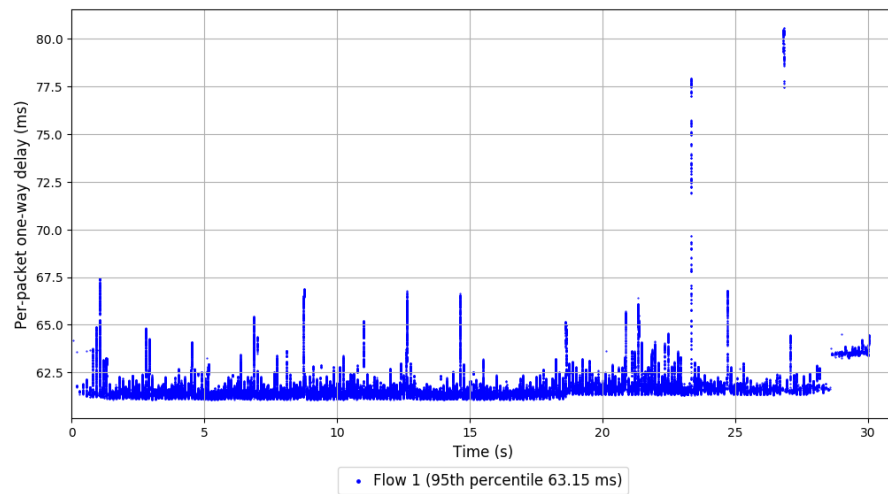
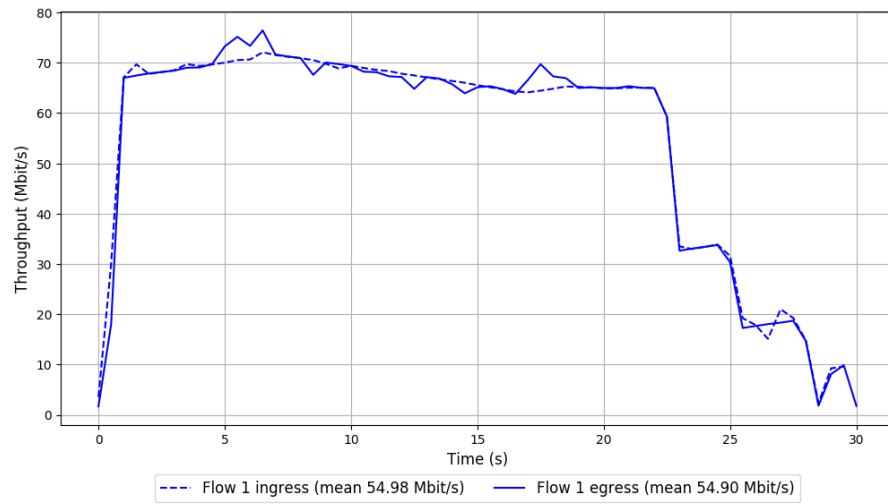
-- Flow 1:

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%

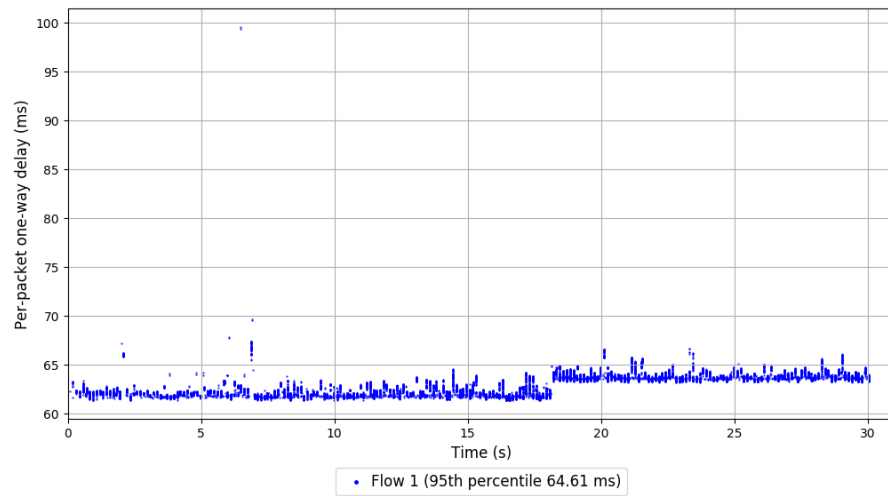
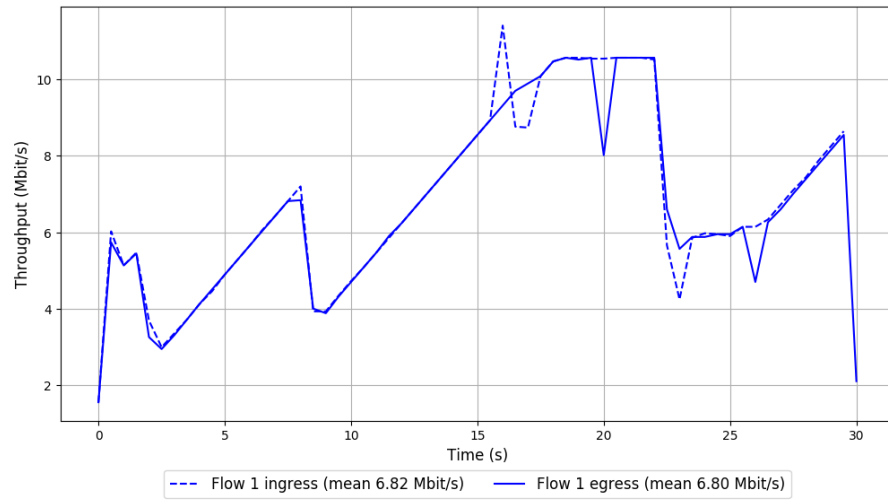
-- Flow 1:

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%

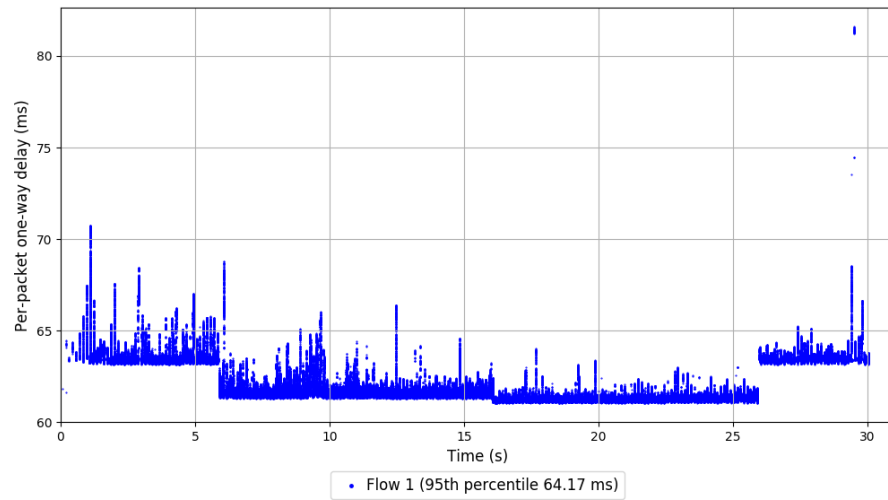
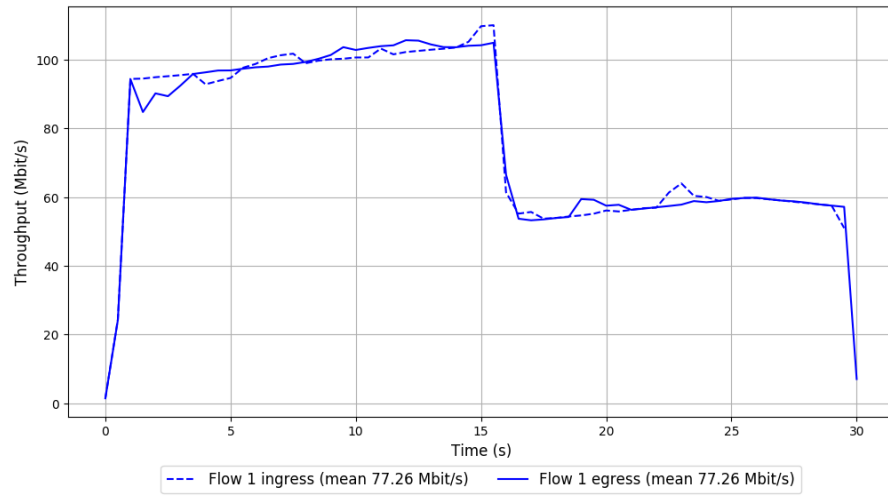
-- Flow 1:

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%

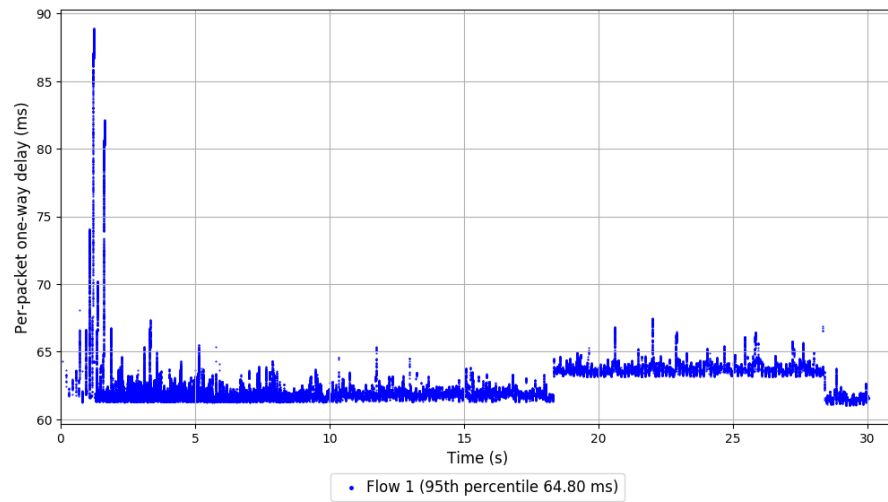
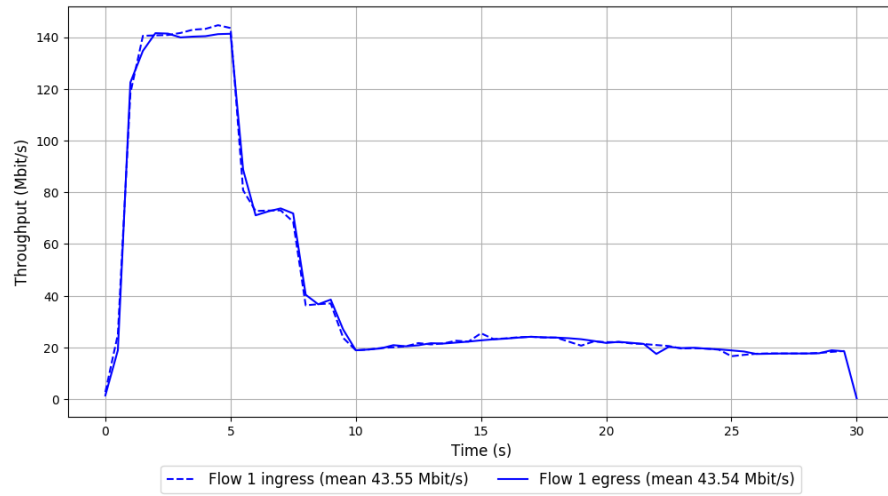
-- Flow 1:

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%

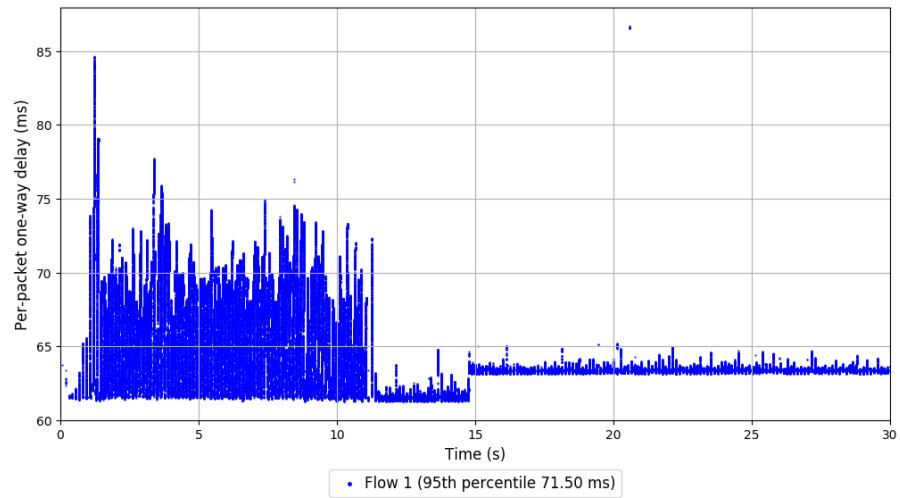
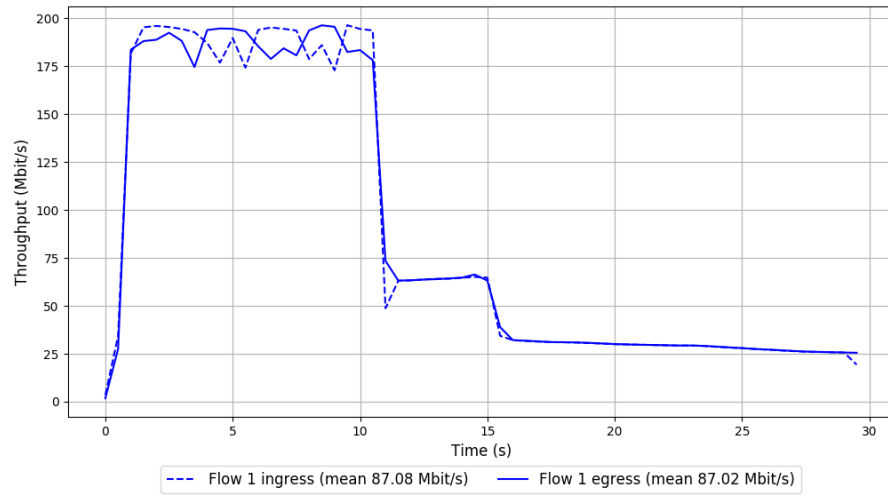
-- Flow 1:

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%

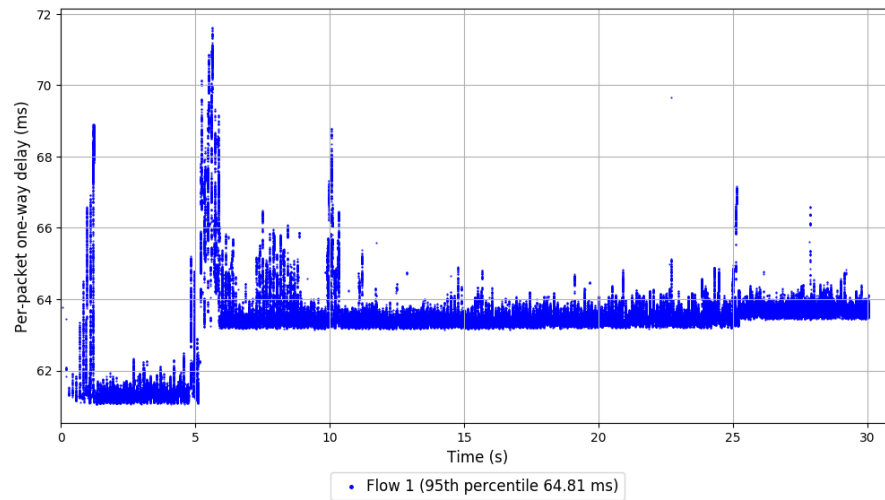
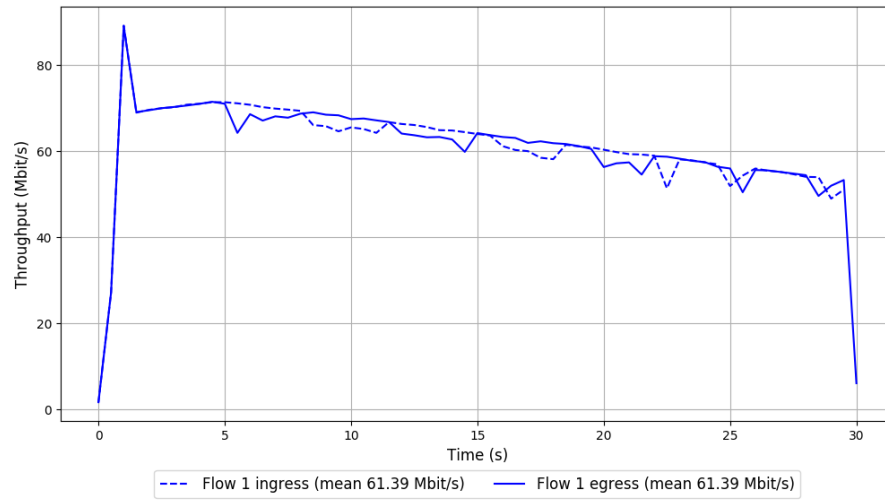
-- Flow 1:

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%

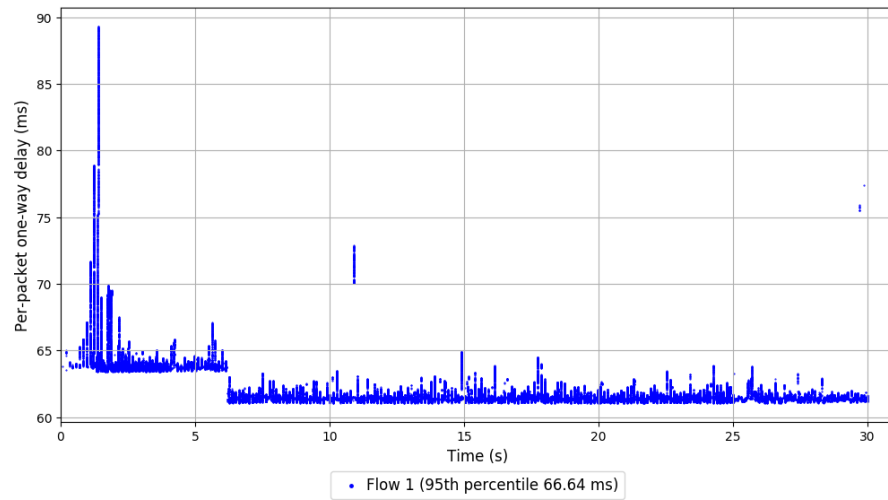
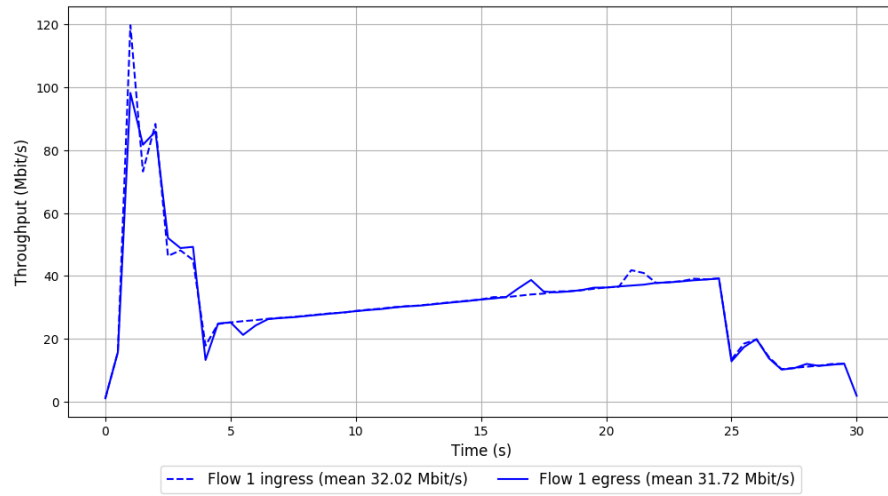
-- Flow 1:

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%

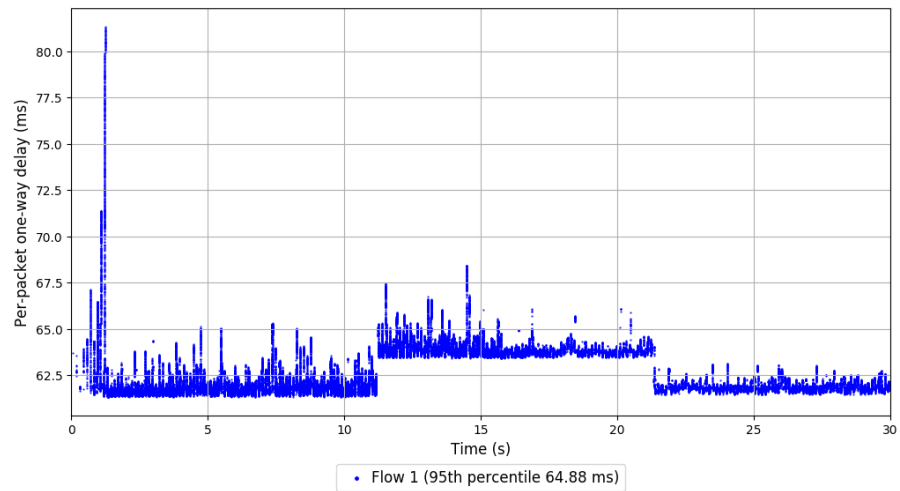
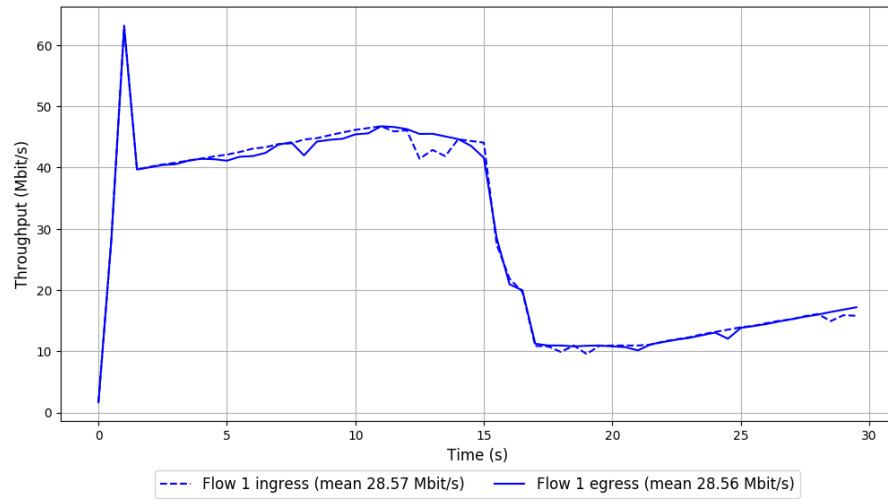
-- Flow 1:

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%

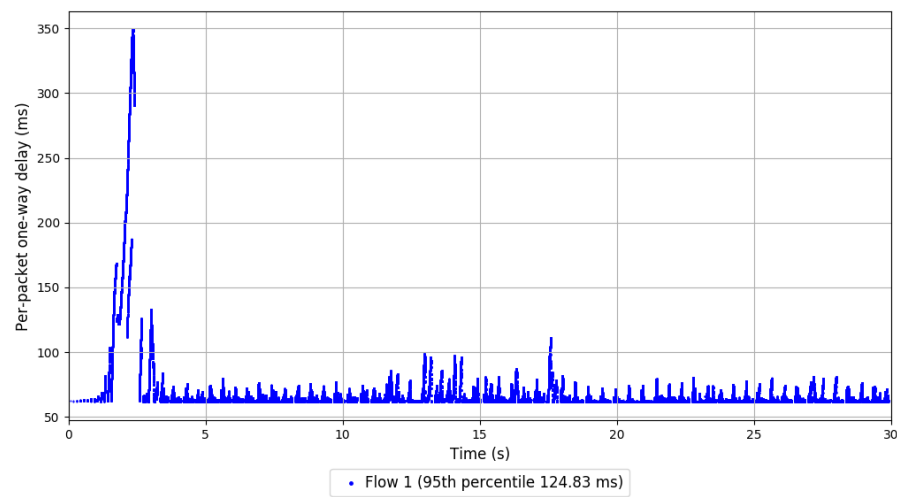
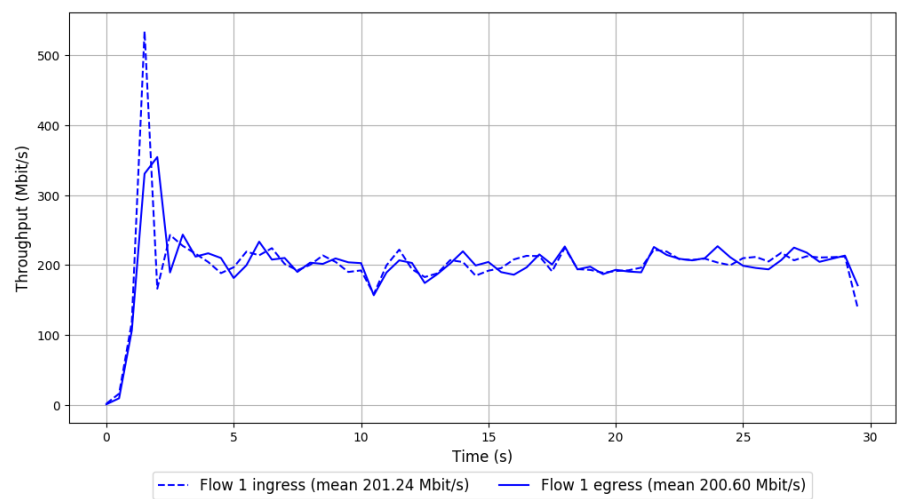
-- Flow 1:

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%

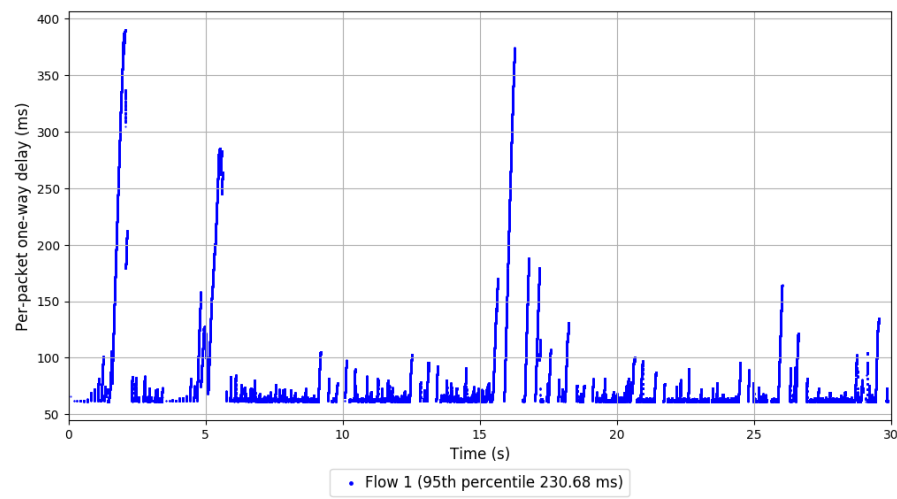
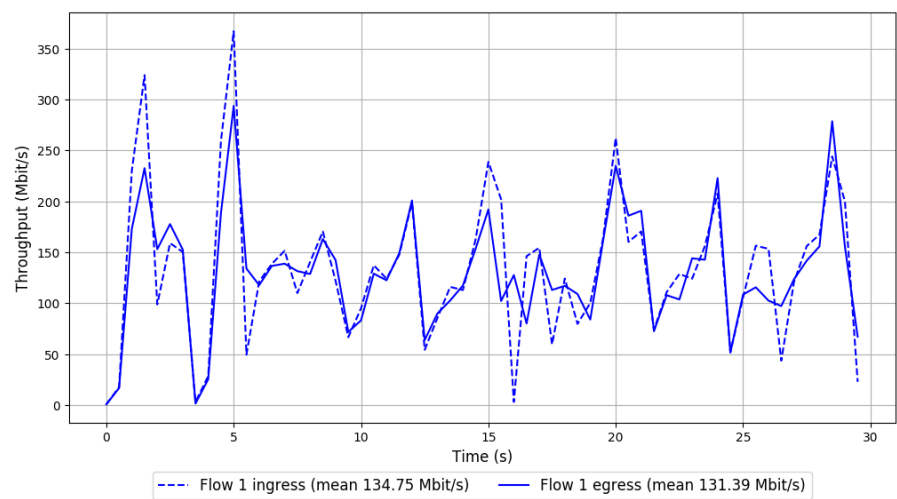
-- Flow 1:

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%

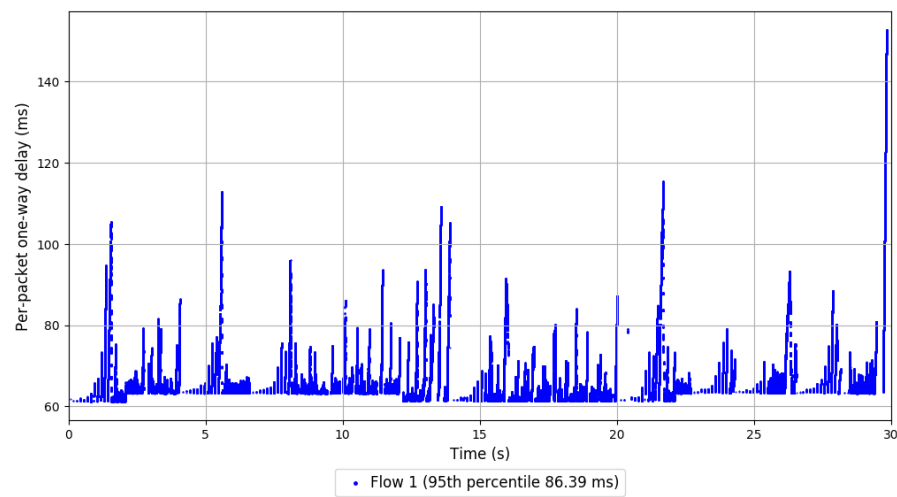
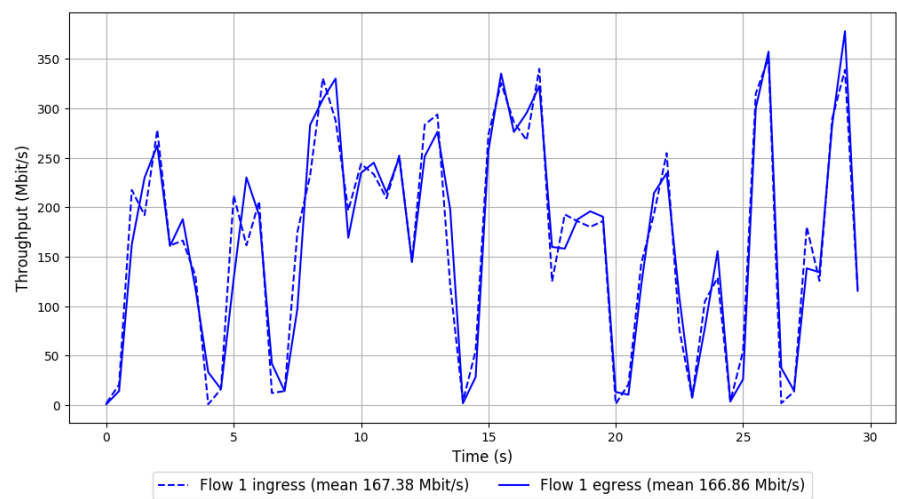
-- Flow 1:

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%

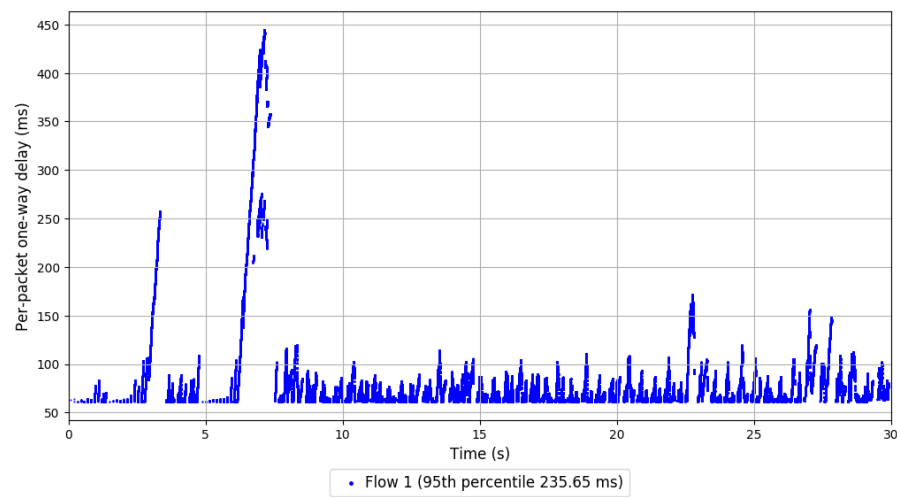
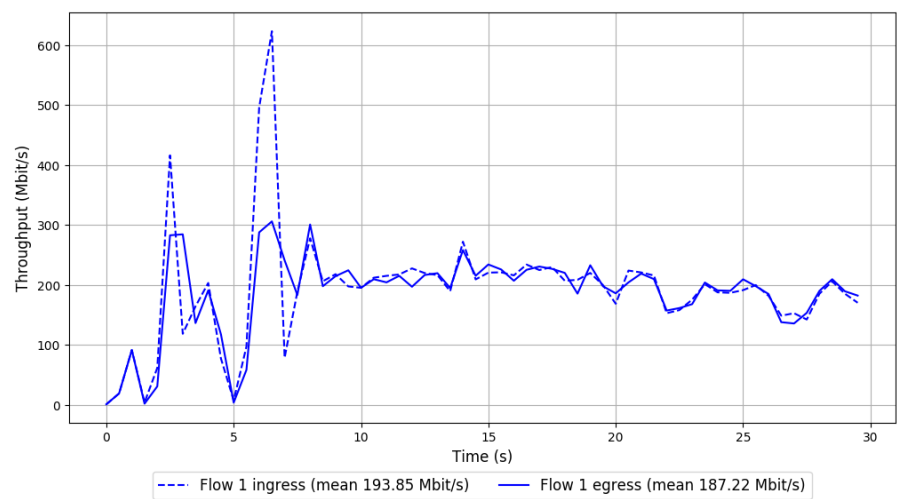
-- Flow 1:

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%

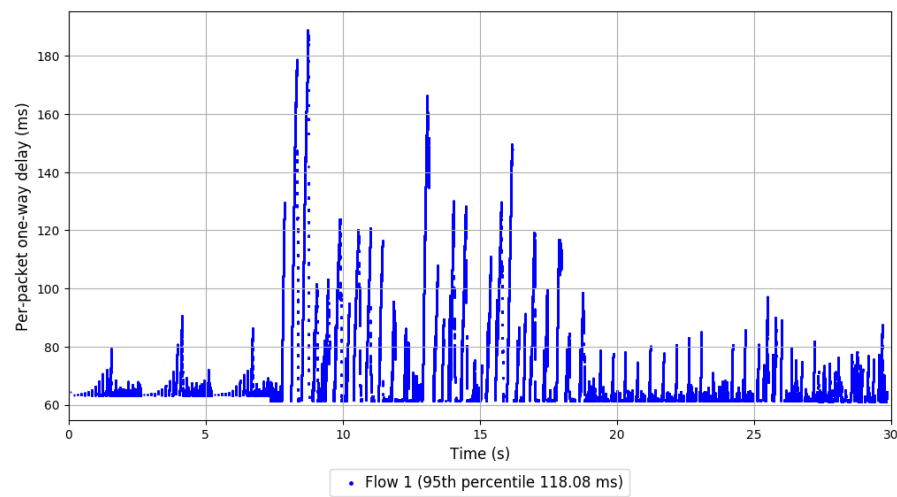
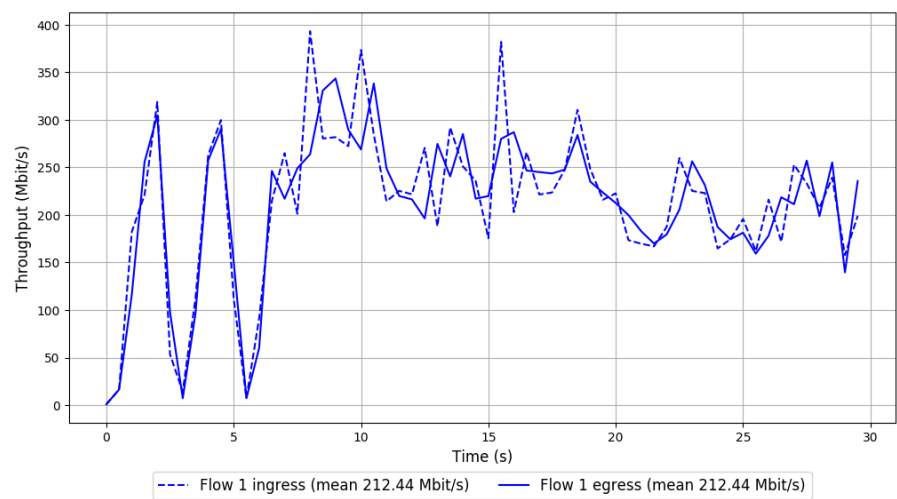
-- Flow 1:

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%

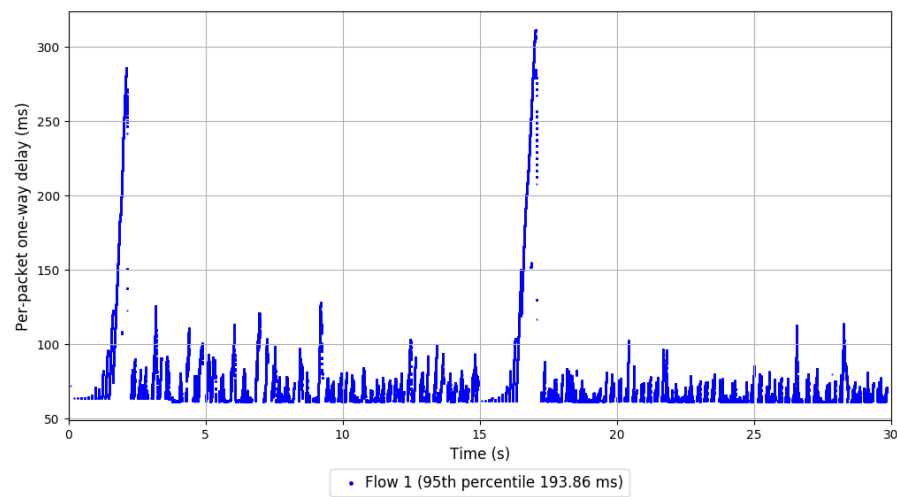
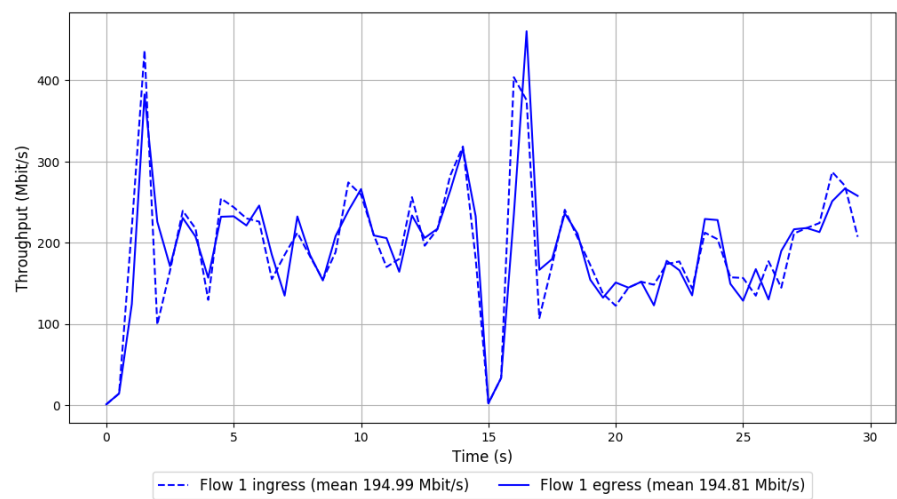
-- Flow 1:

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%

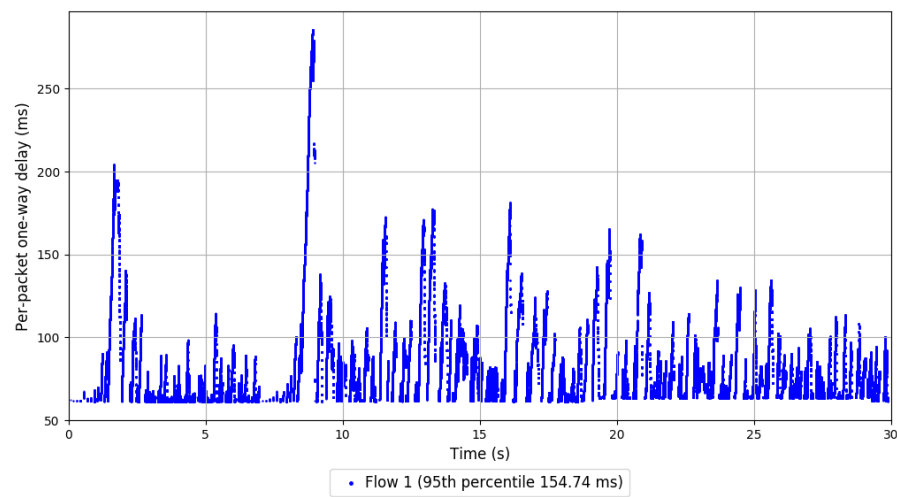
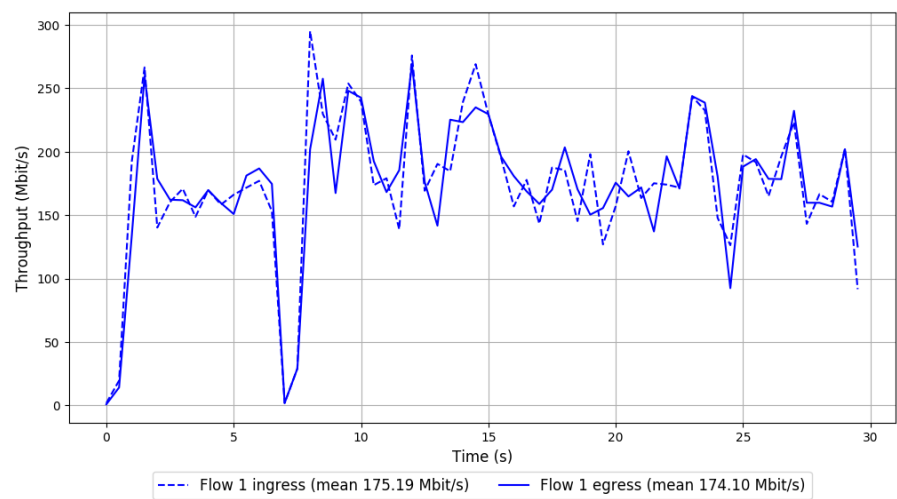
-- Flow 1:

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%

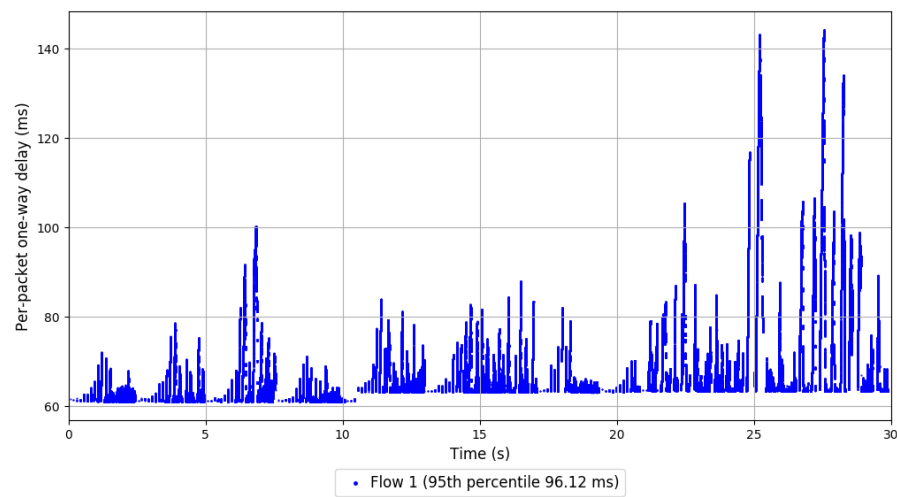
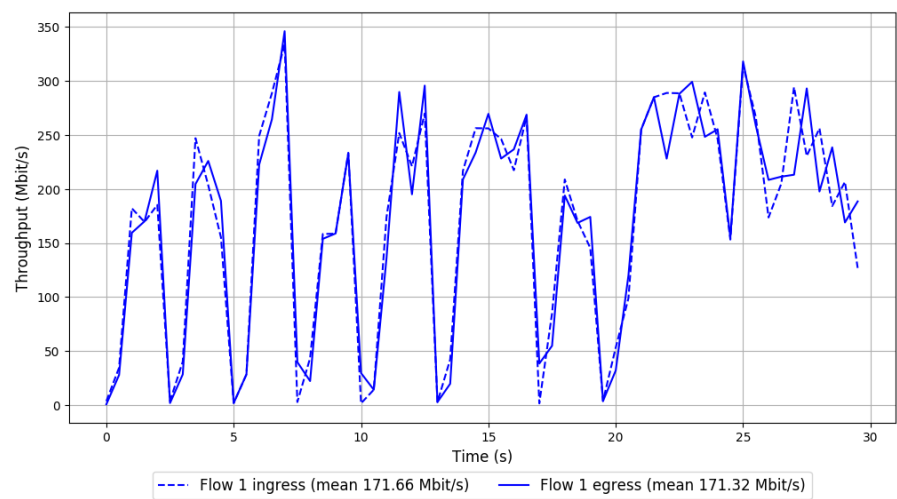
-- Flow 1:

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%

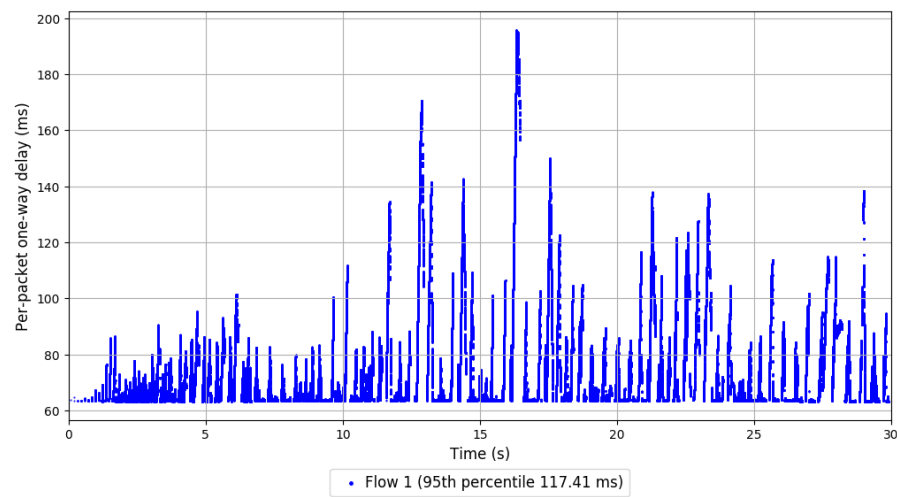
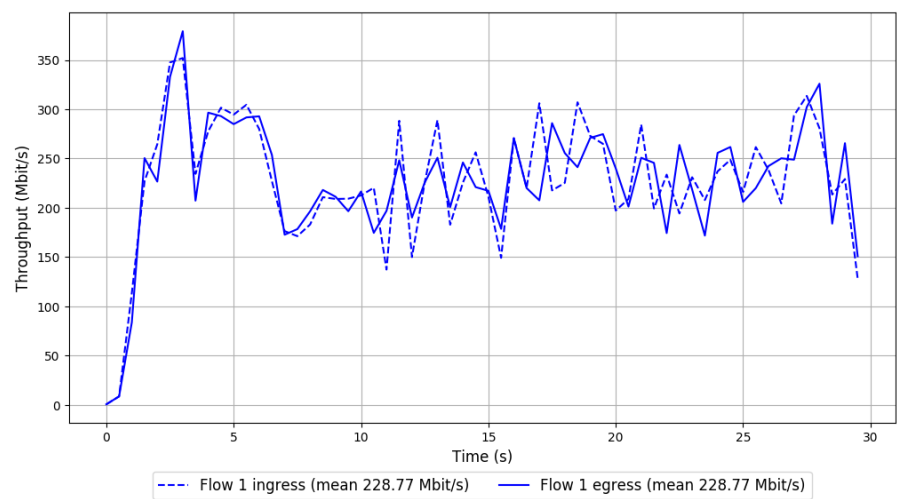
-- Flow 1:

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%

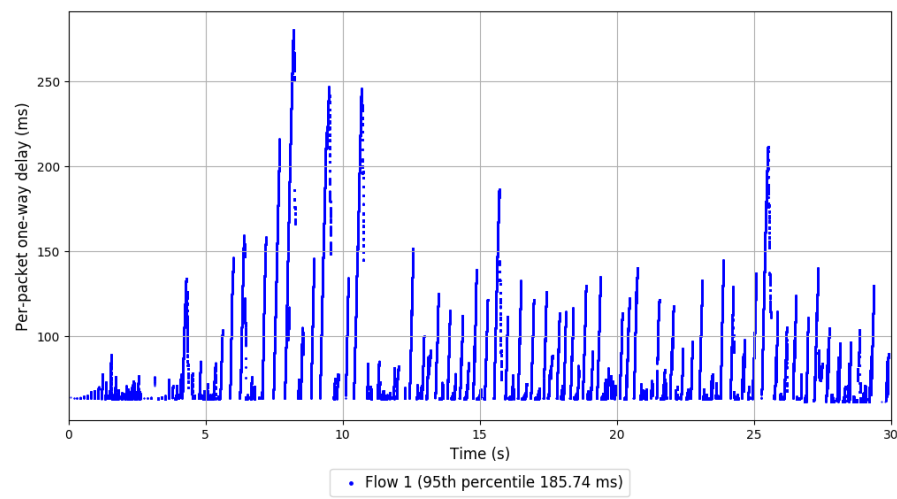
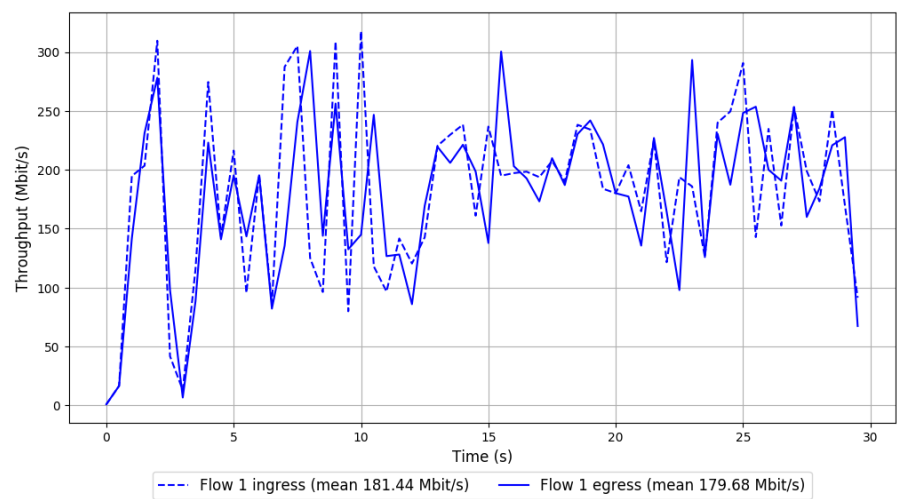
-- Flow 1:

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%

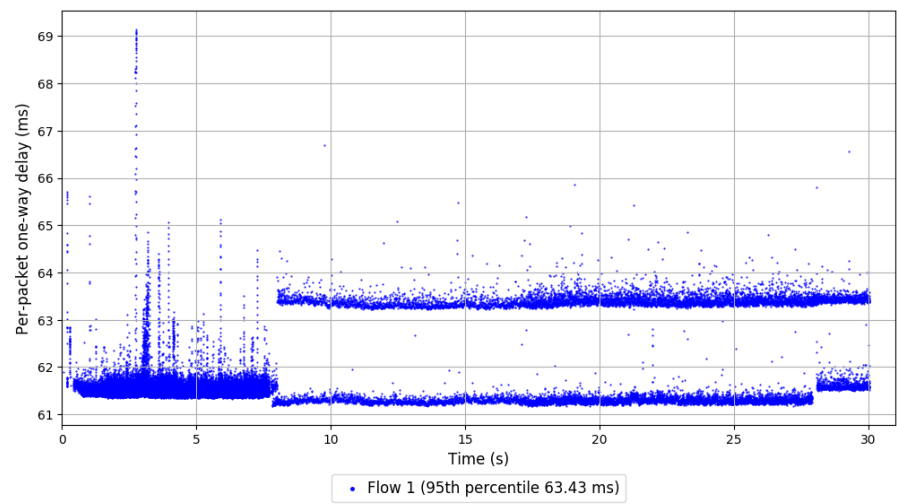
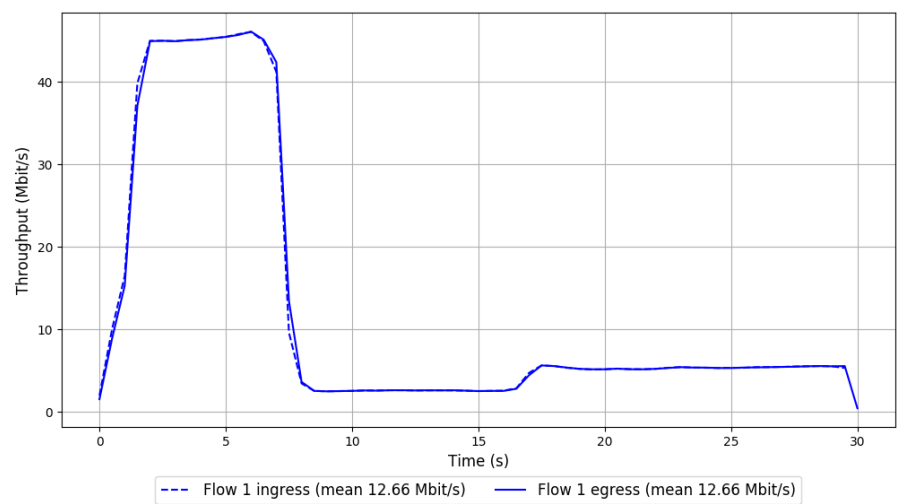
-- Flow 1:

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%

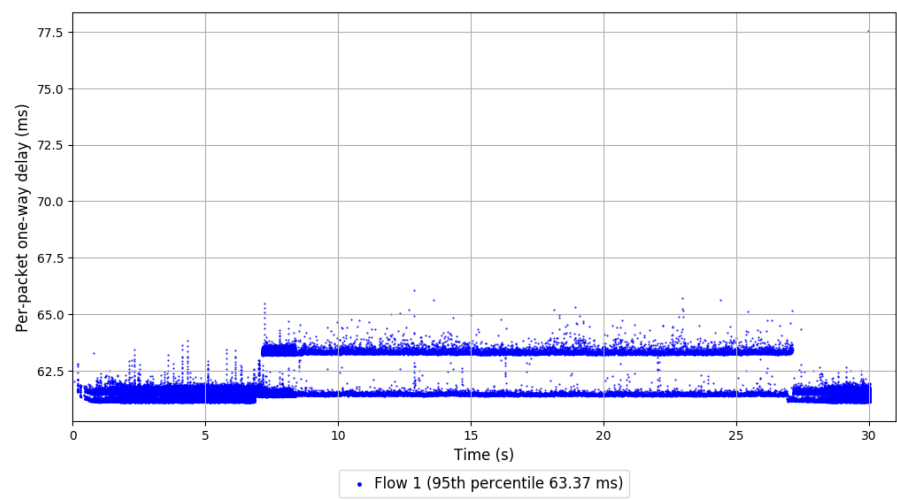
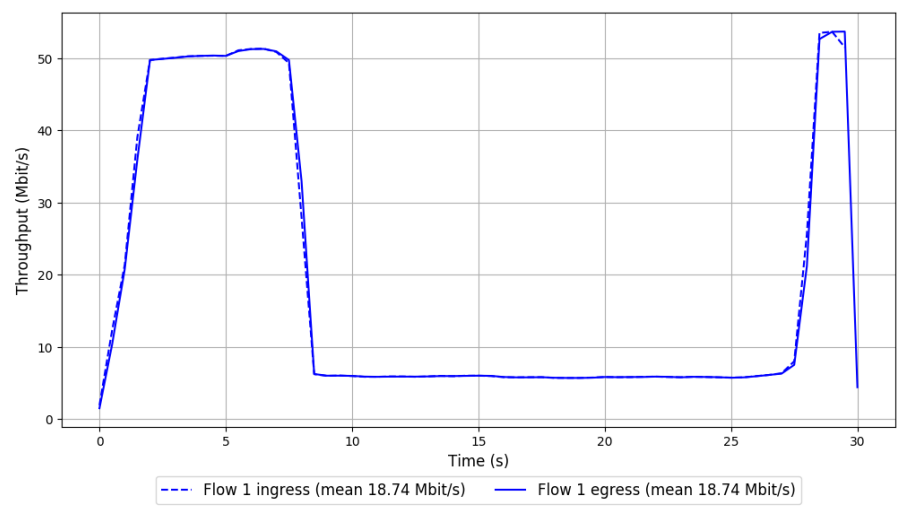
-- Flow 1:

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%

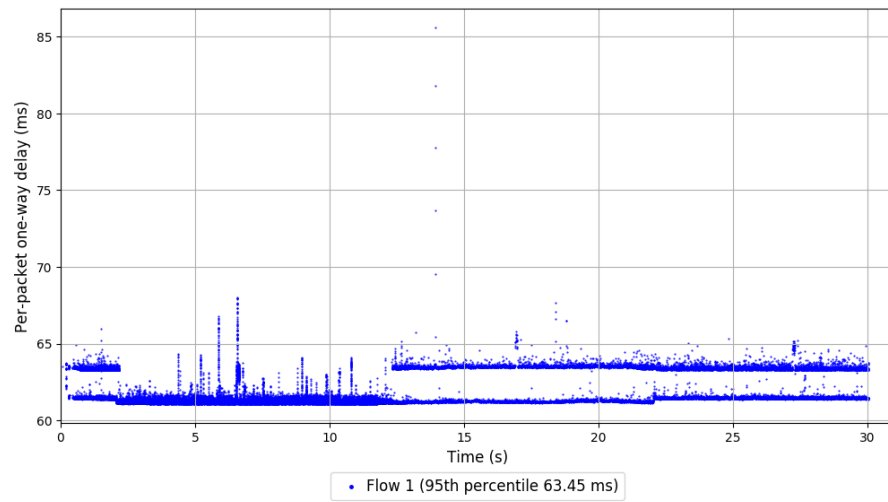
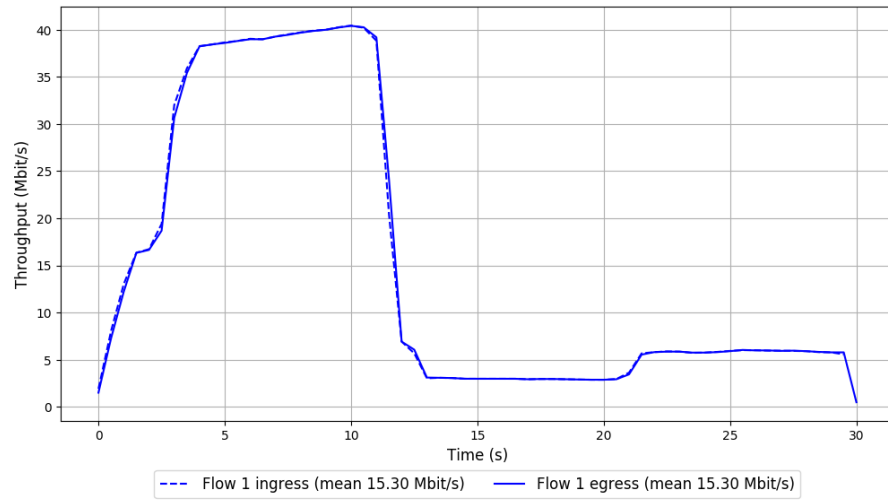
-- Flow 1:

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%

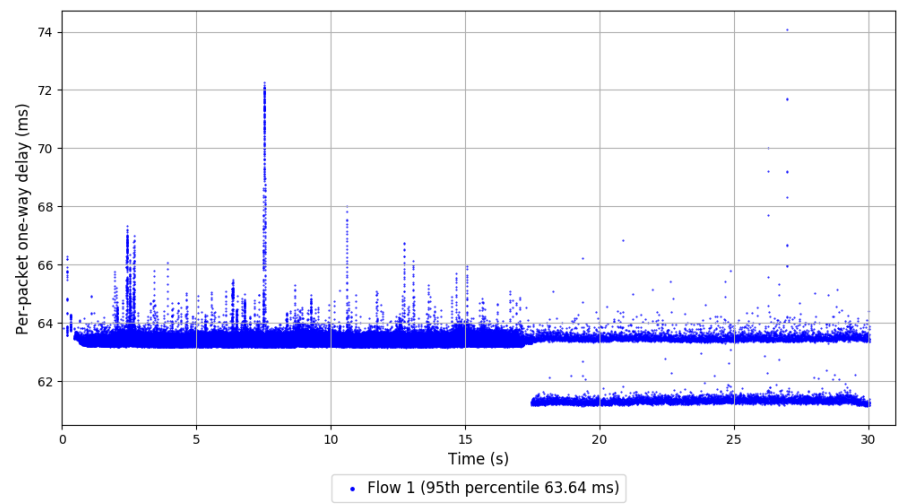
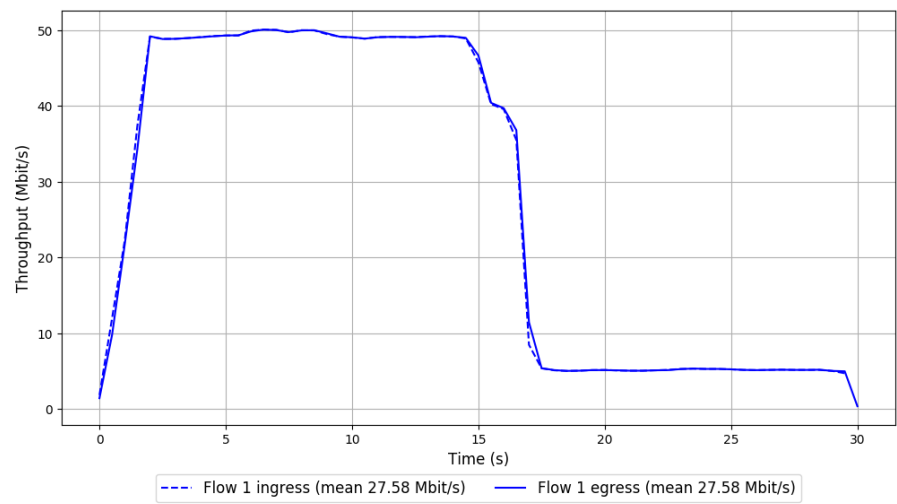
-- Flow 1:

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%

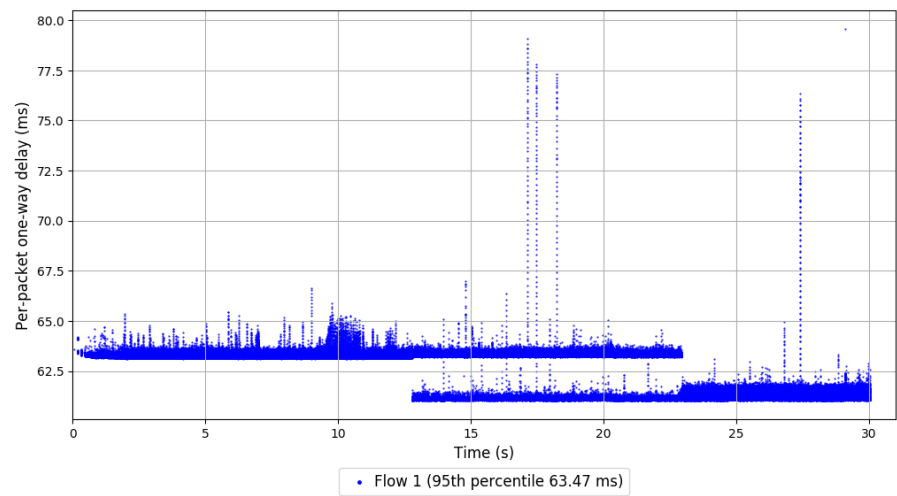
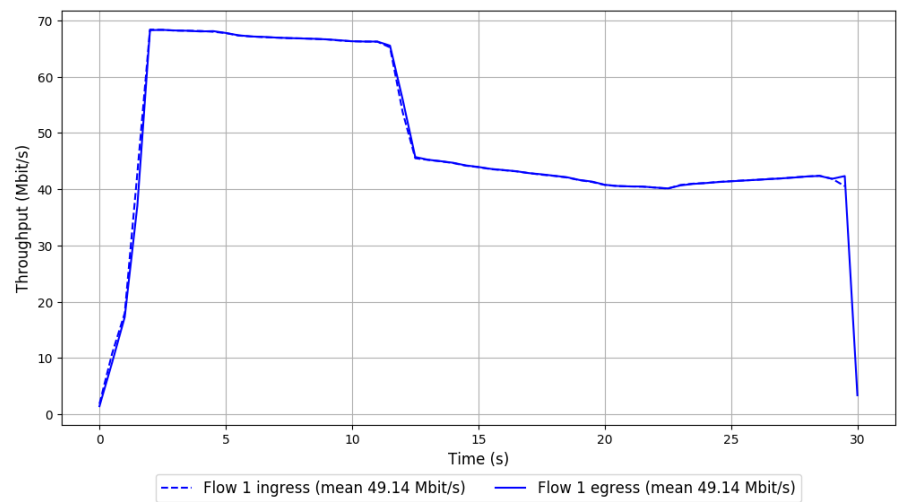
-- Flow 1:

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%

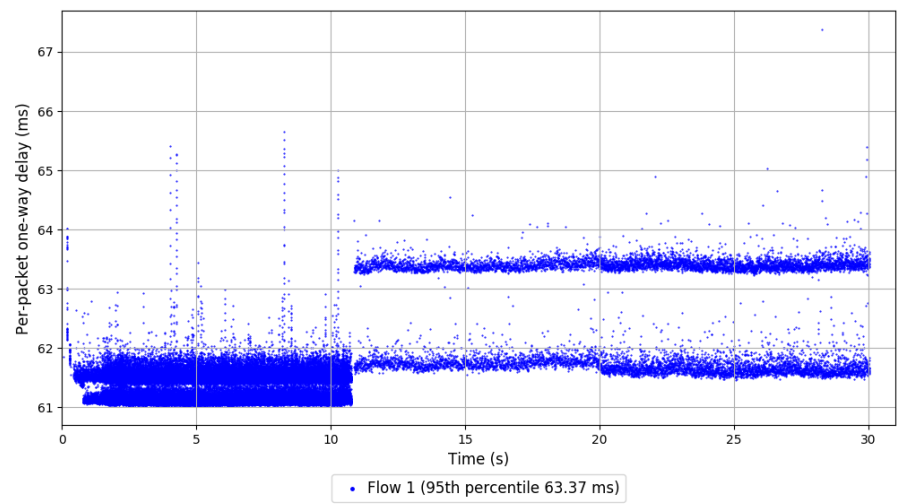
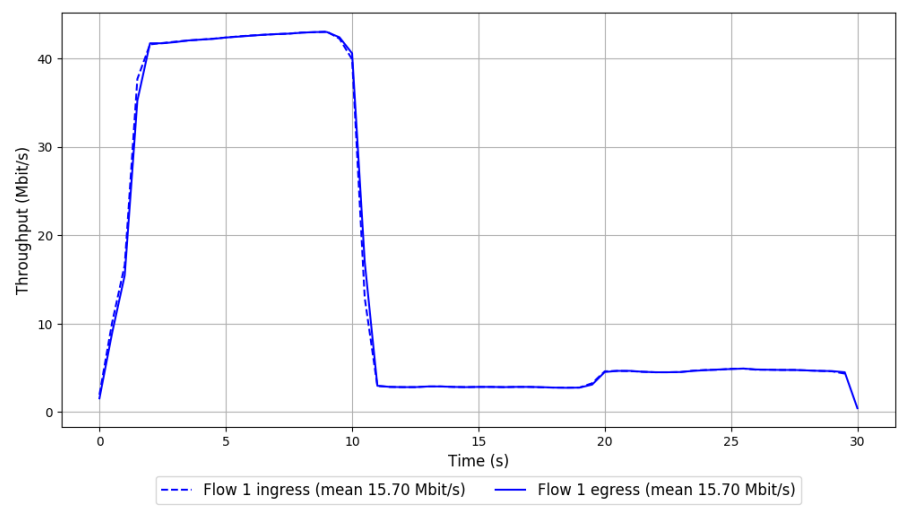
-- Flow 1:

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

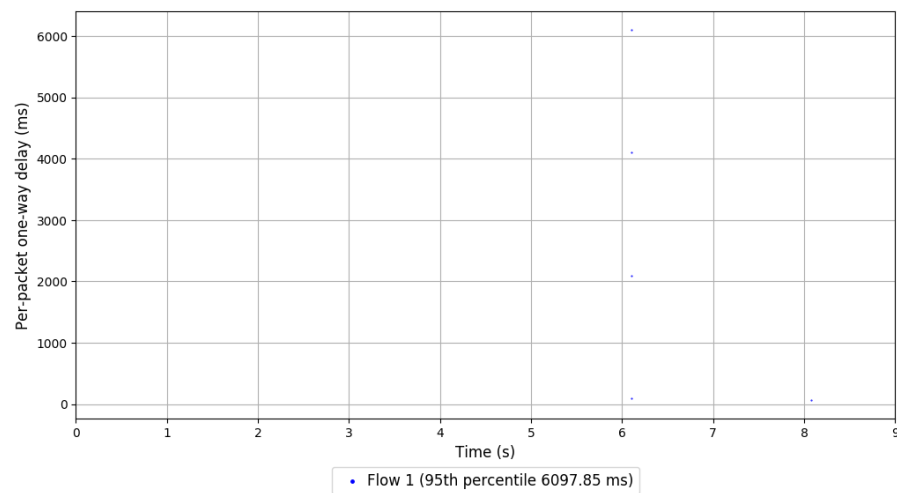
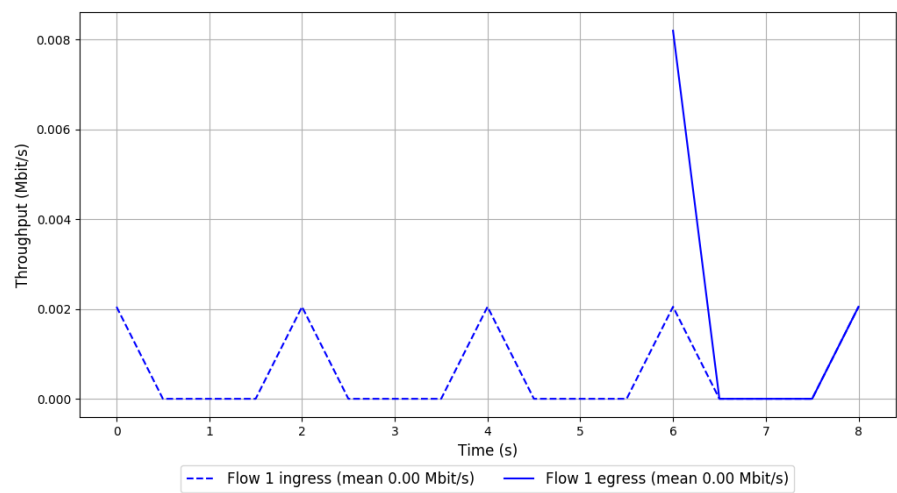


Run 7: Statistics of Copa

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%

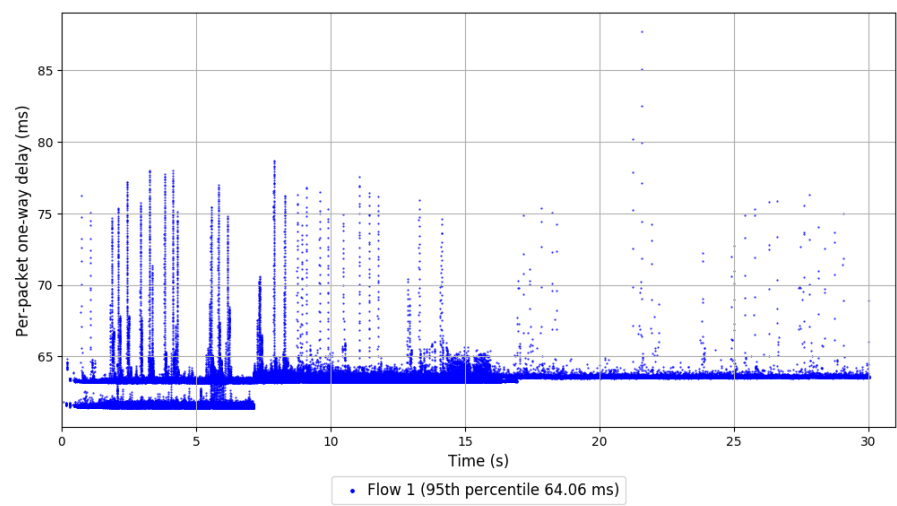
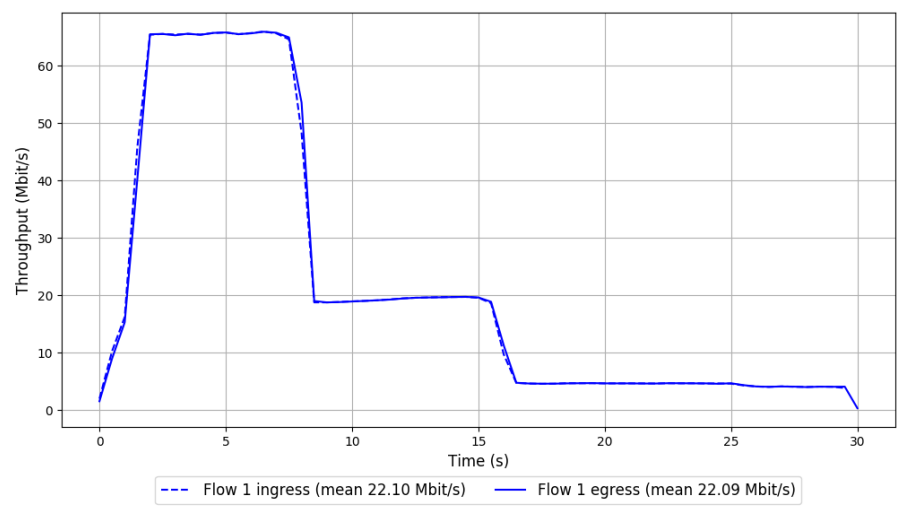
-- Flow 1:

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%

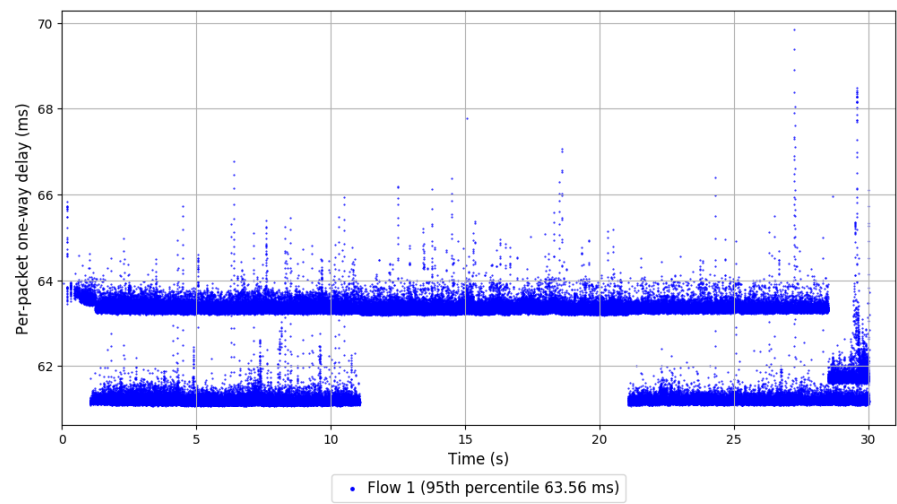
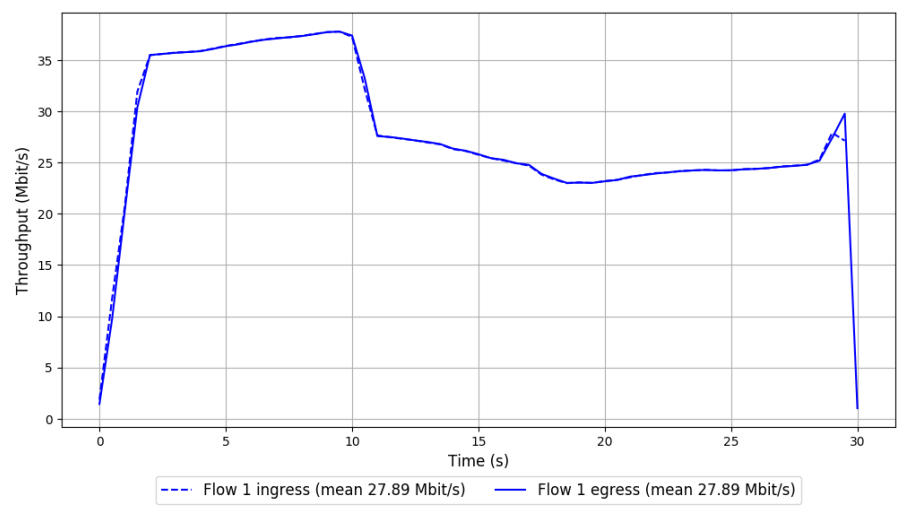
-- Flow 1:

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%

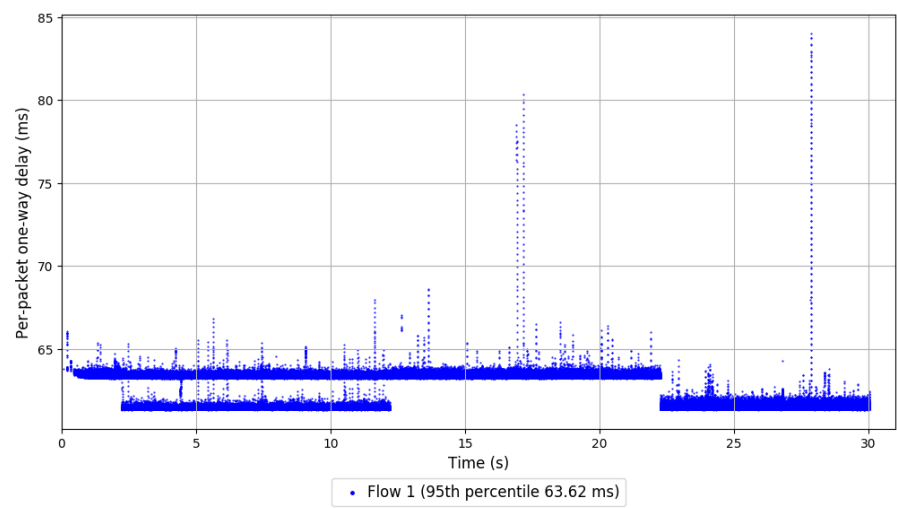
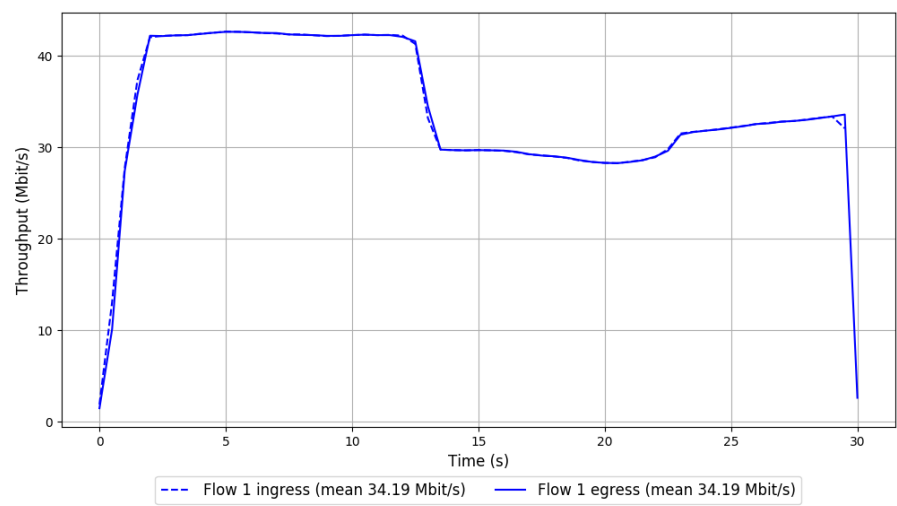
-- Flow 1:

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

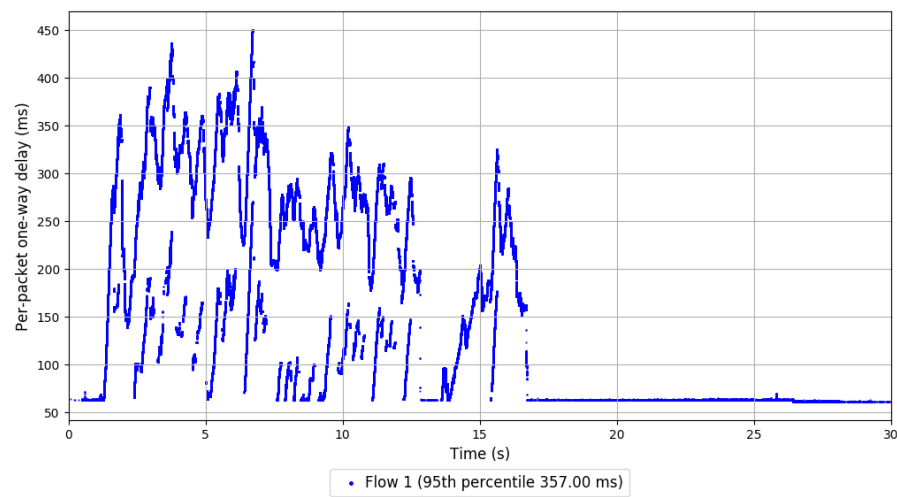
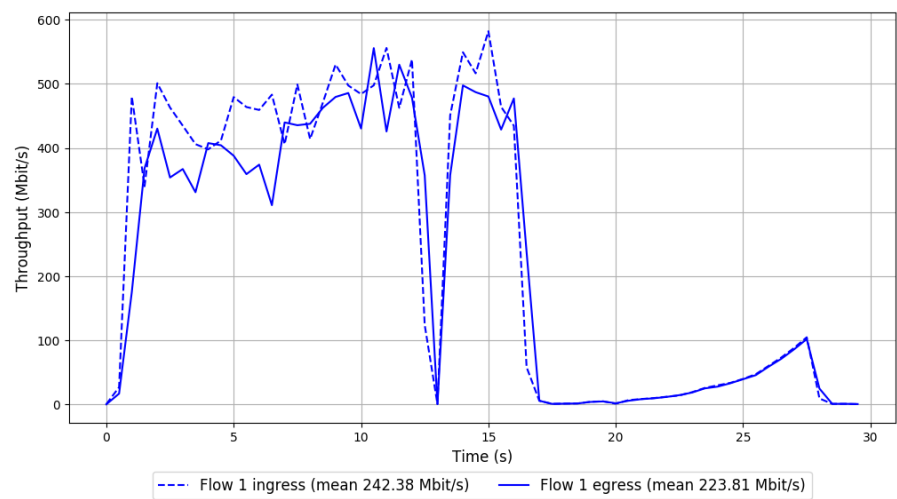


```
Run 1: Statistics of FillP

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%

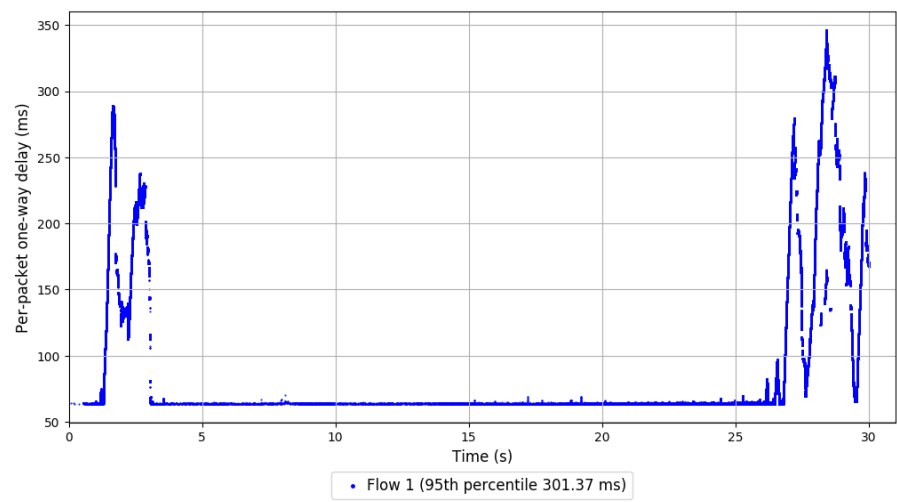
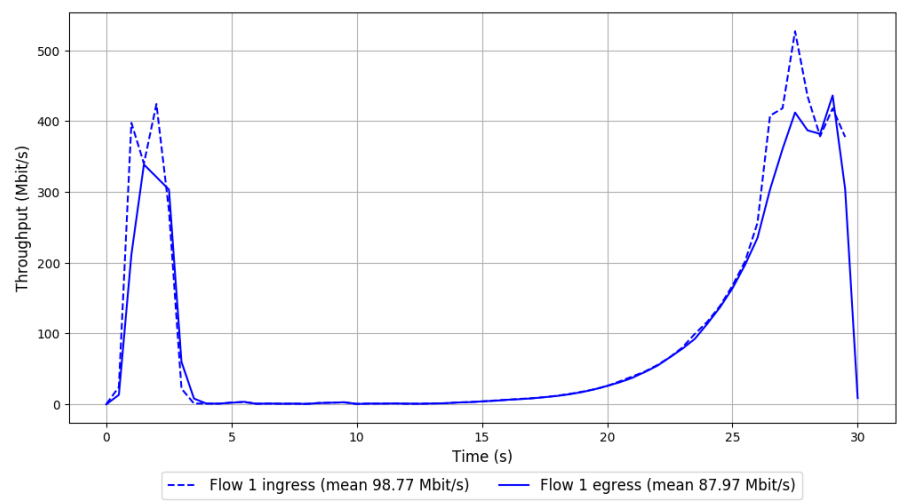
-- Flow 1:

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%

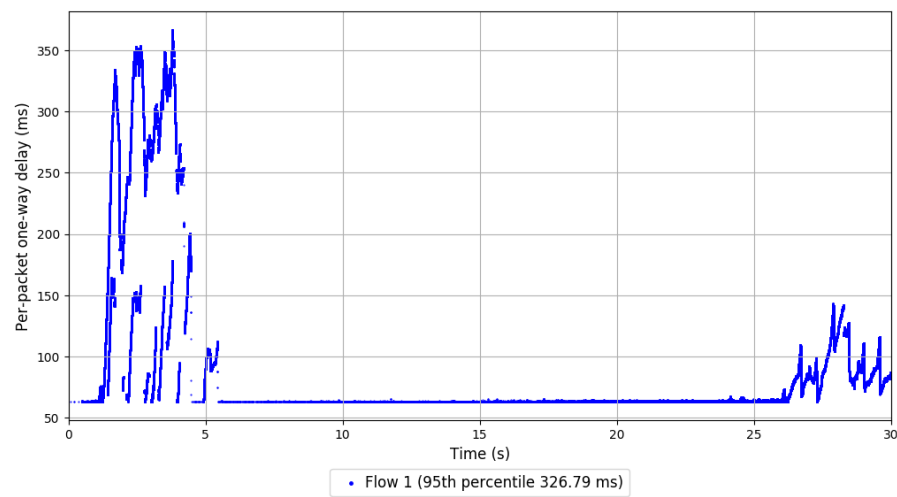
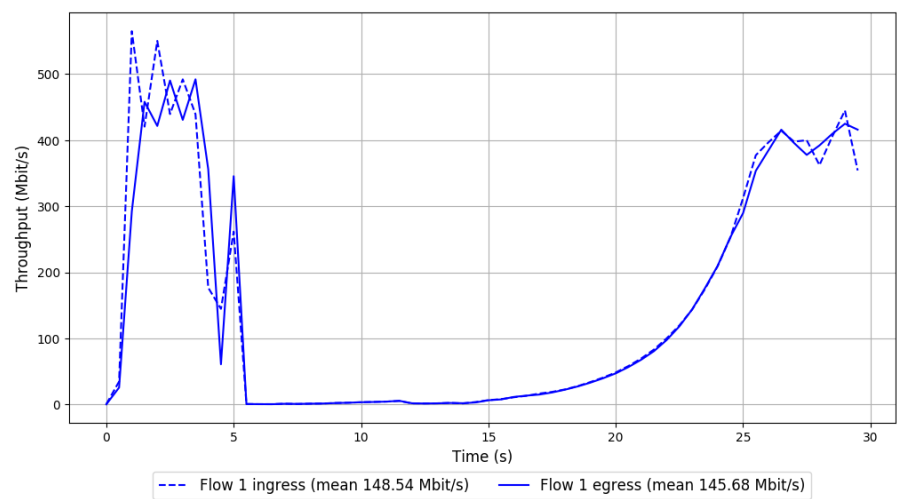
-- Flow 1:

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%

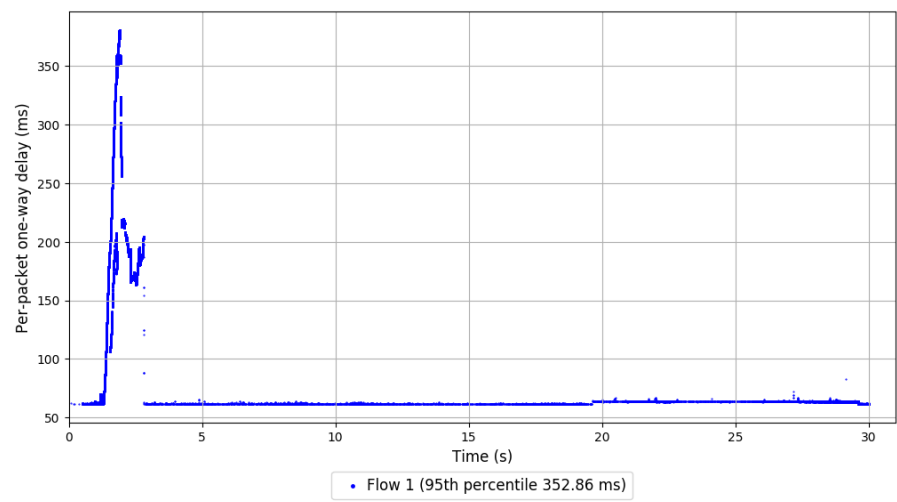
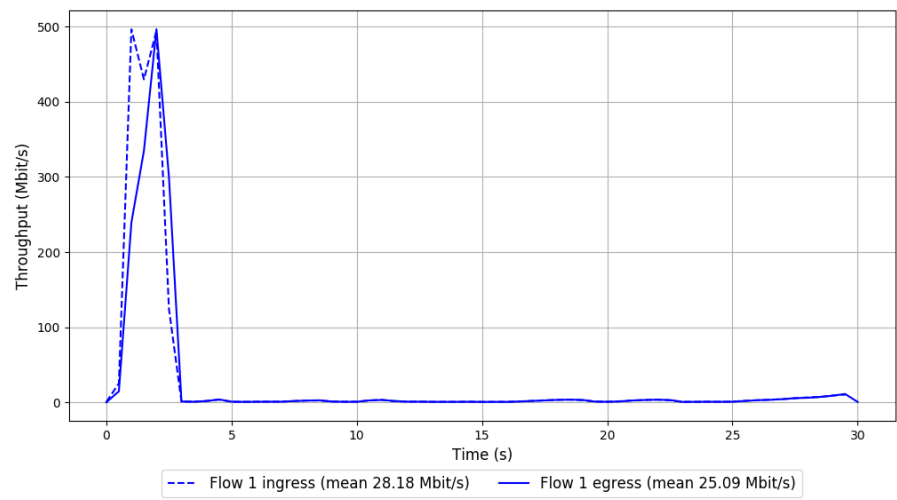
-- Flow 1:

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%

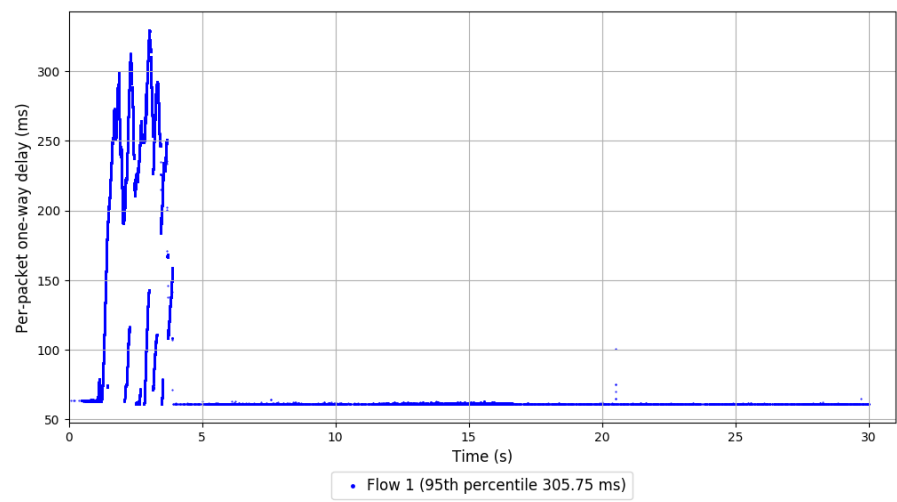
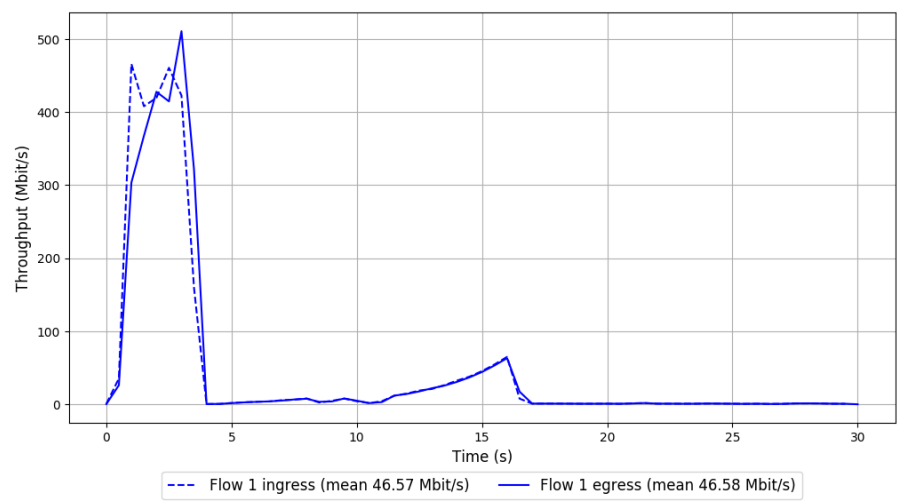
-- Flow 1:

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%

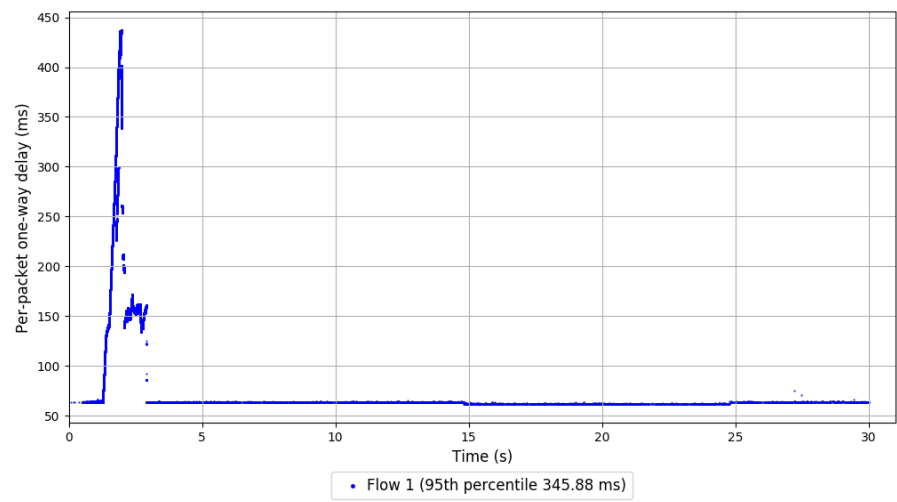
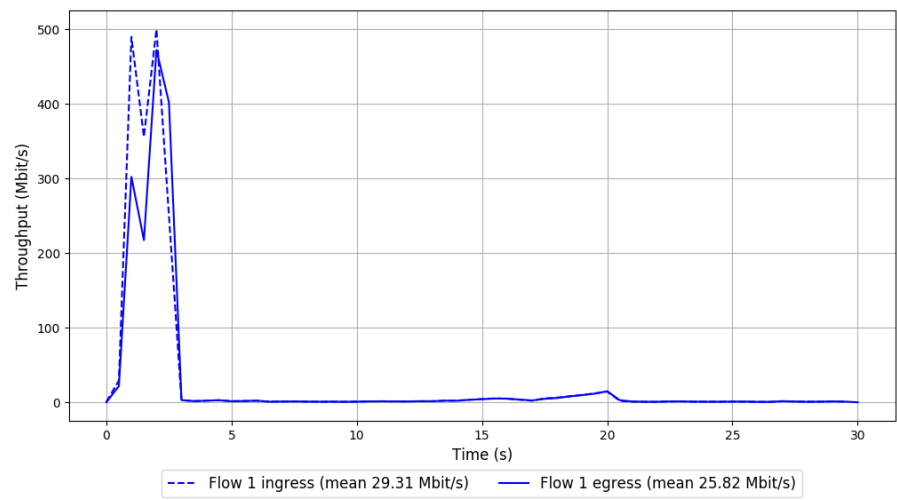
-- Flow 1:

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%

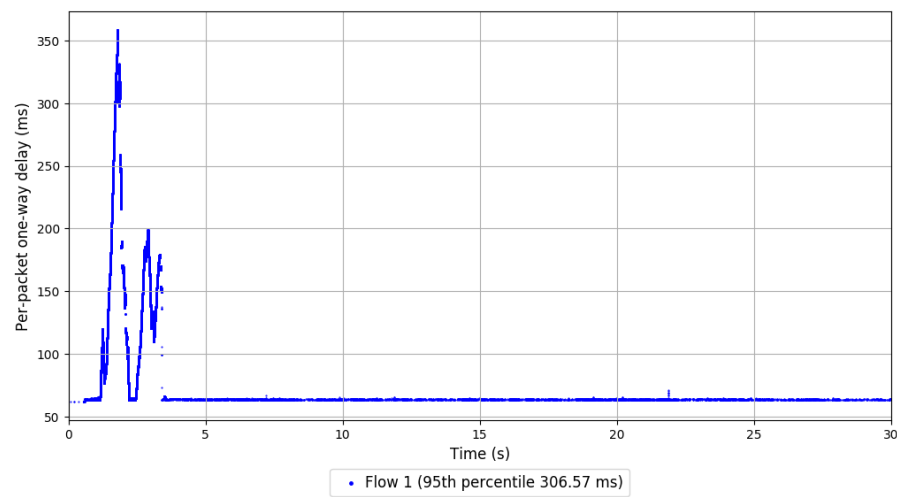
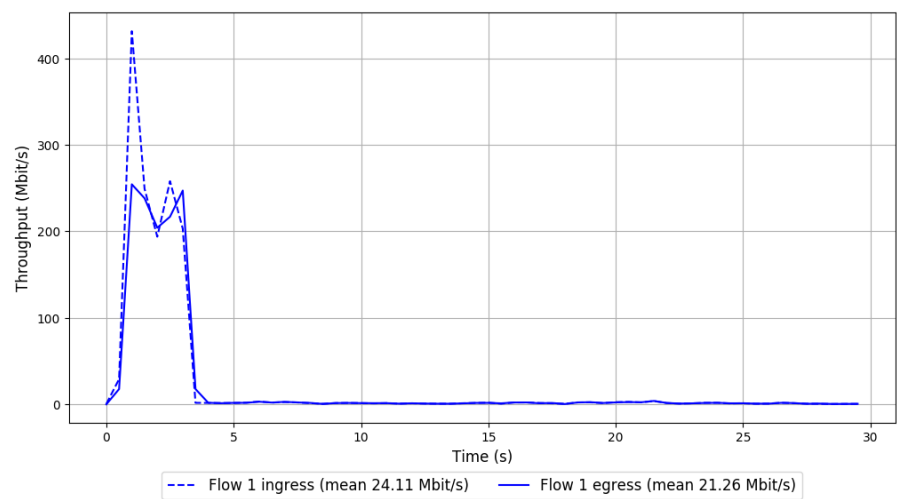
-- Flow 1:

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%

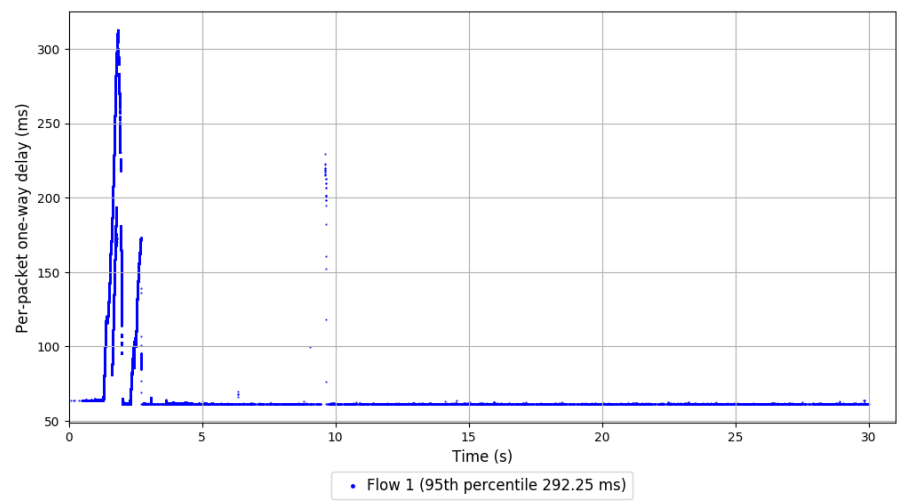
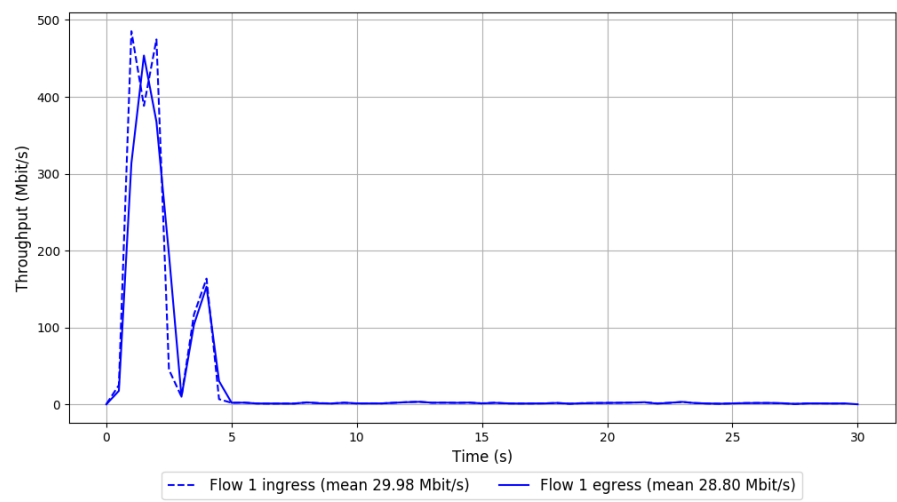
-- Flow 1:

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%

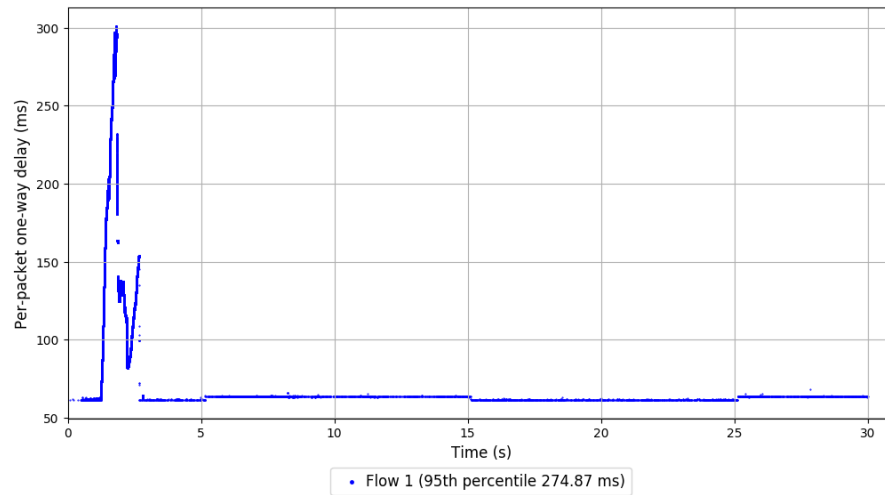
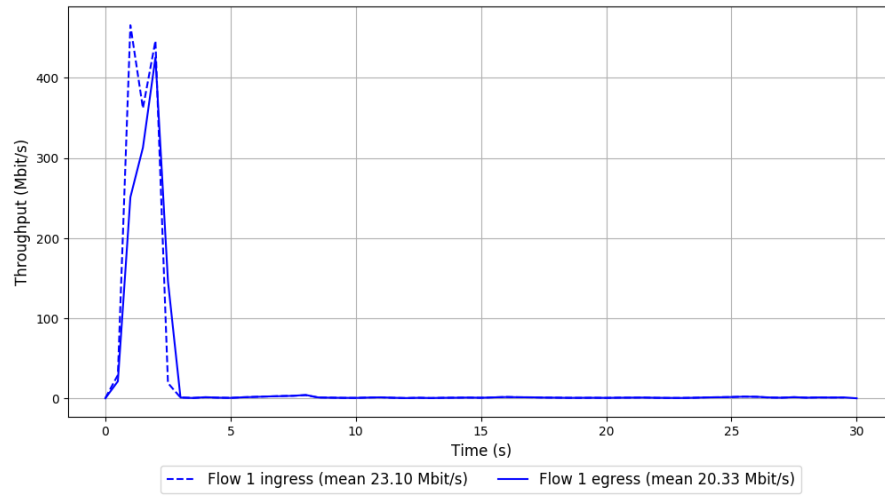
-- Flow 1:

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%

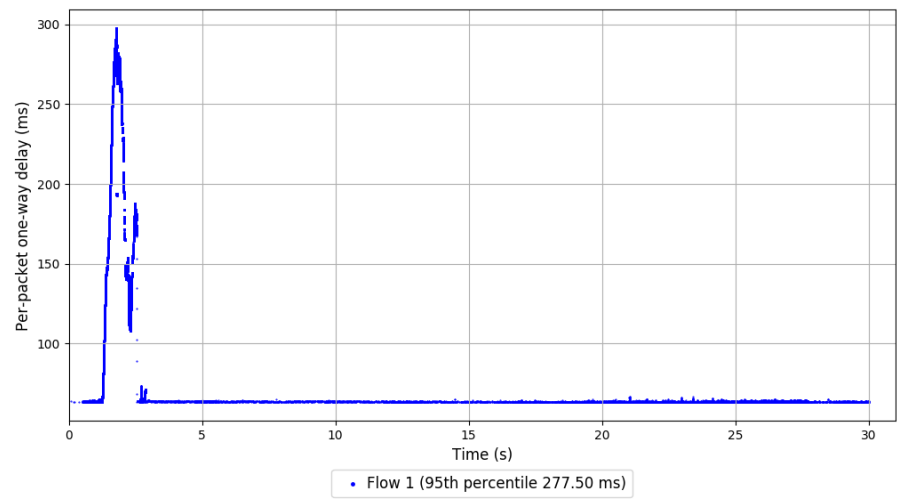
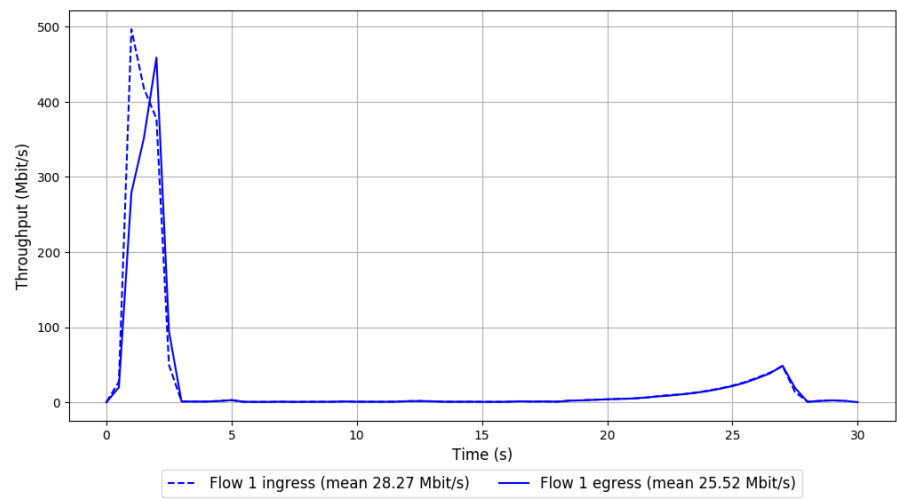
-- Flow 1:

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

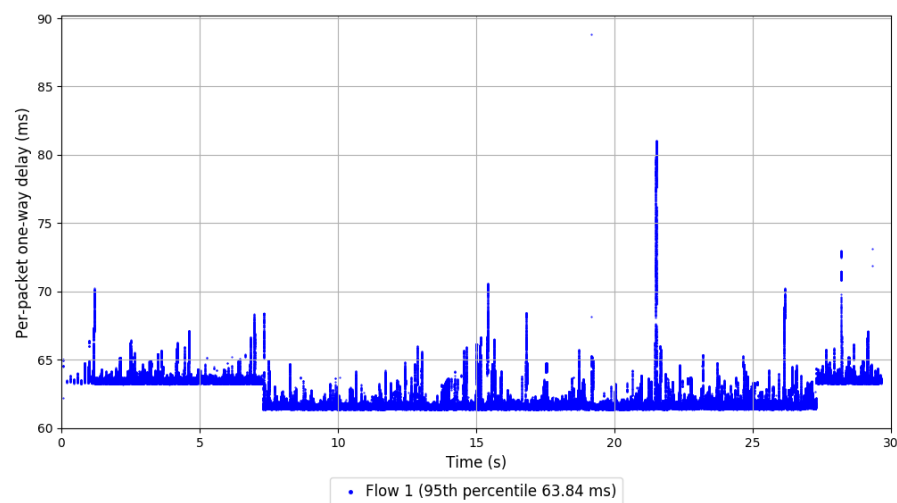
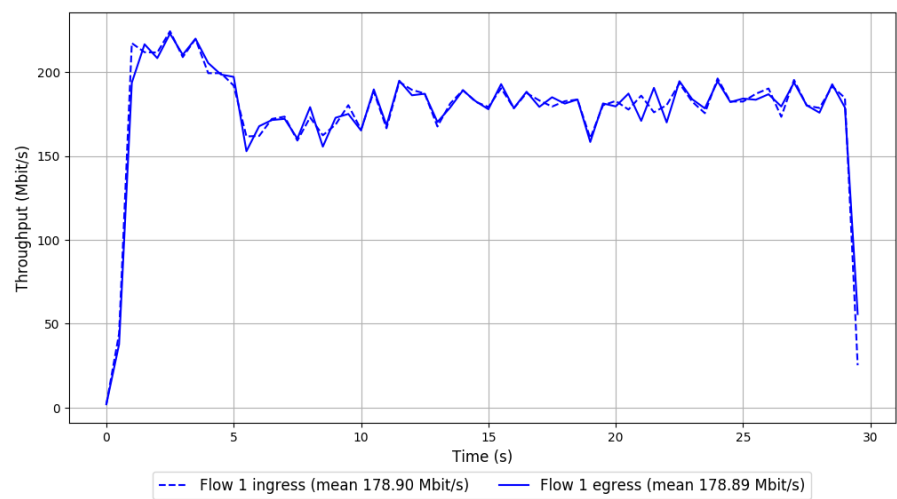


```
Run 1: Statistics of Indigo-1-32

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

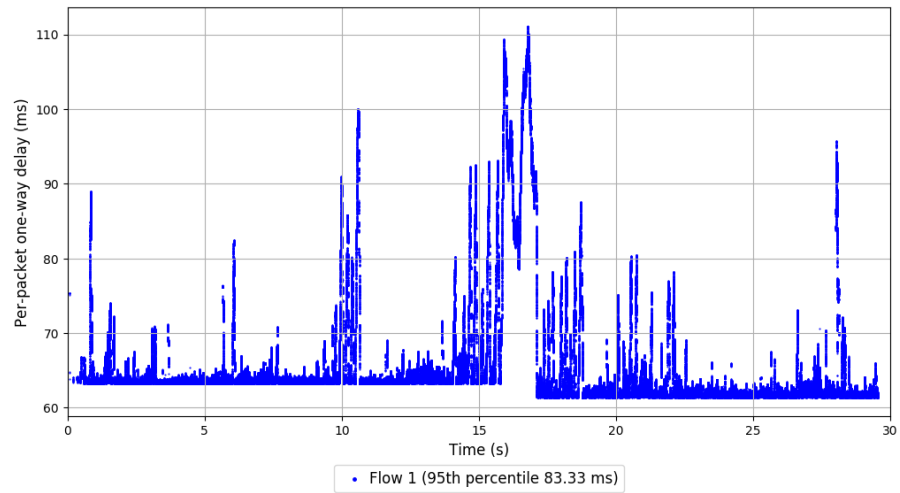
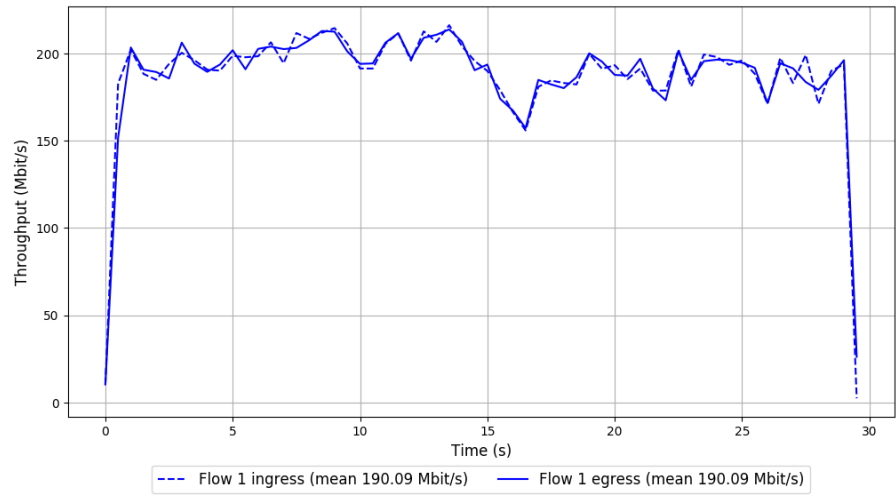


```
Run 2: Statistics of Indigo-1-32

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%

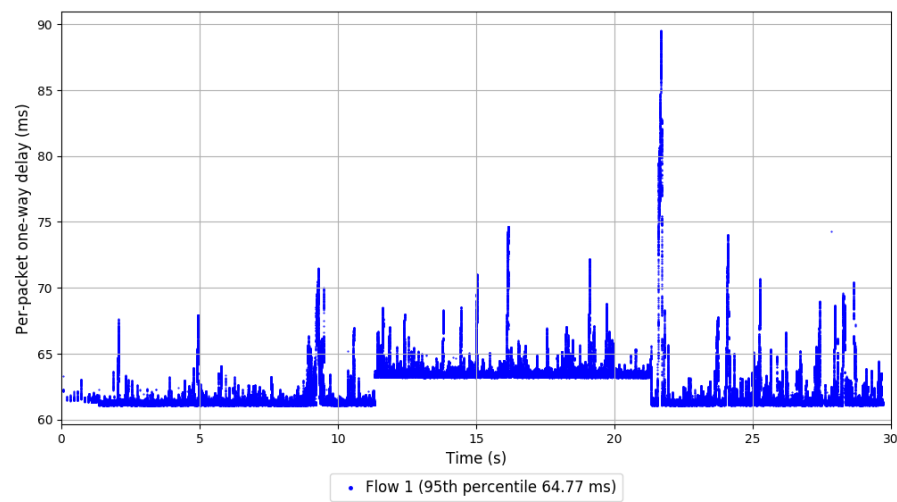
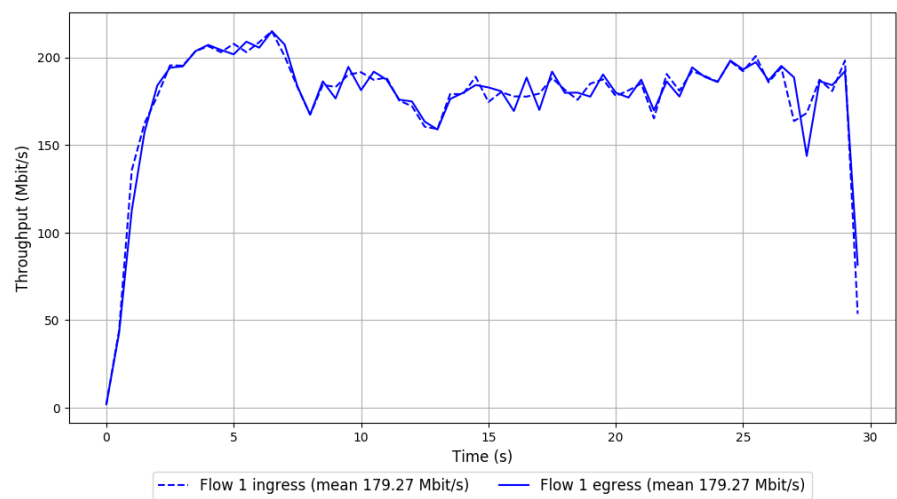
-- Flow 1:

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%

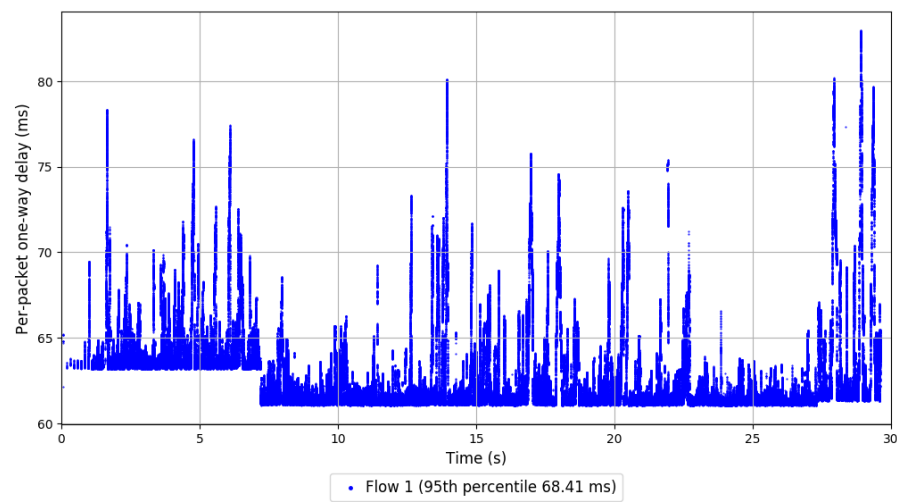
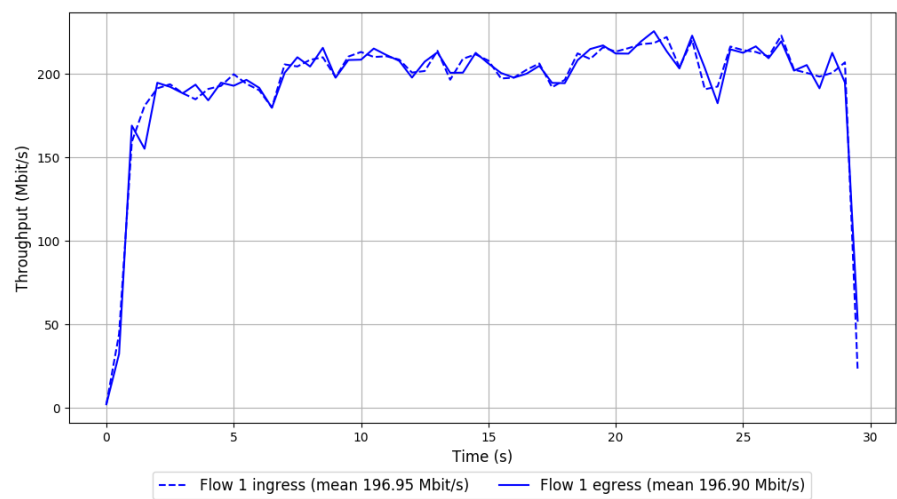
-- Flow 1:

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%

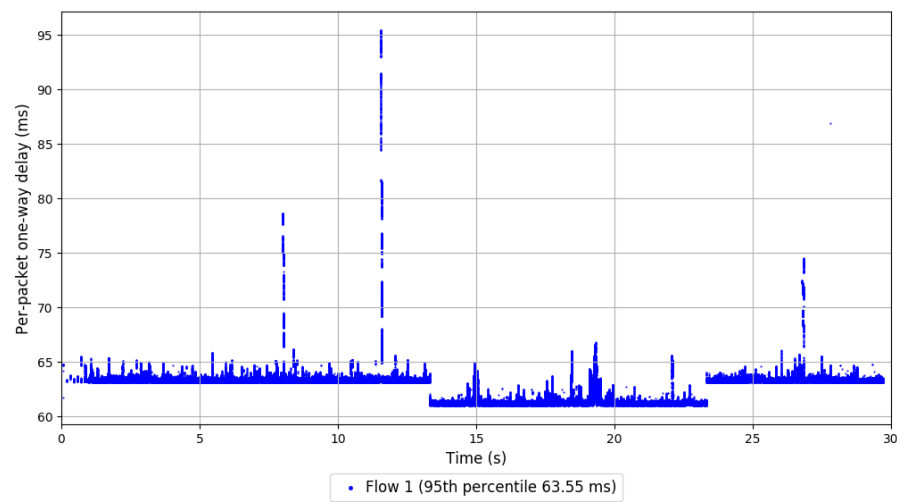
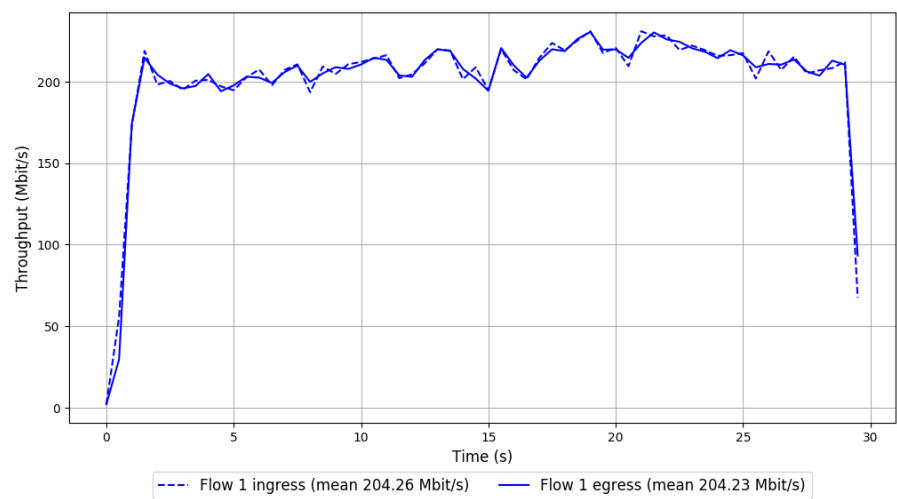
-- Flow 1:

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%

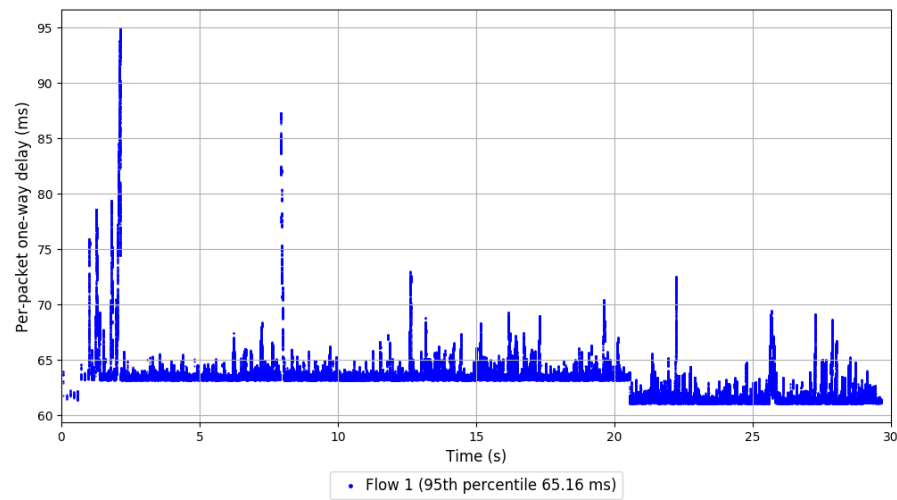
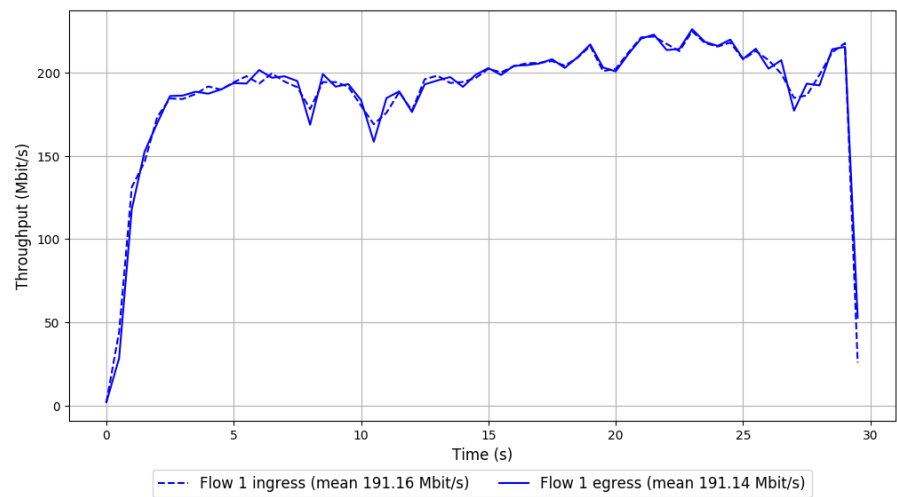
-- Flow 1:

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%

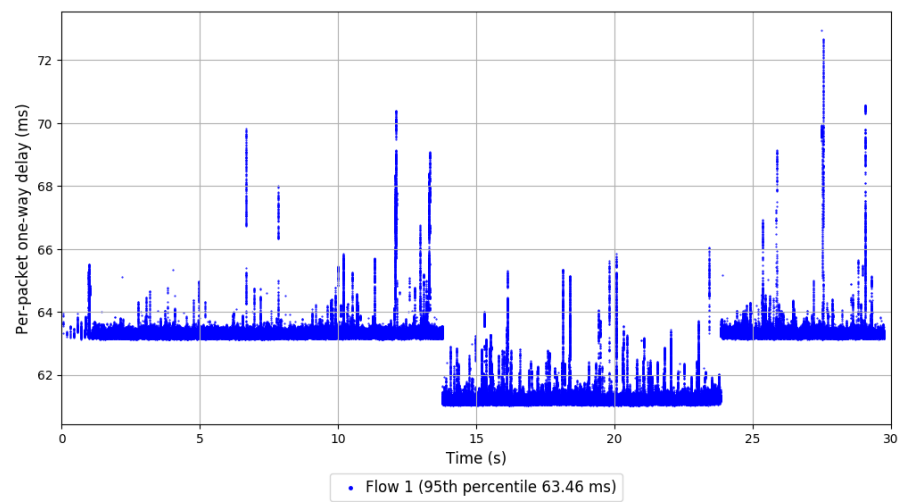
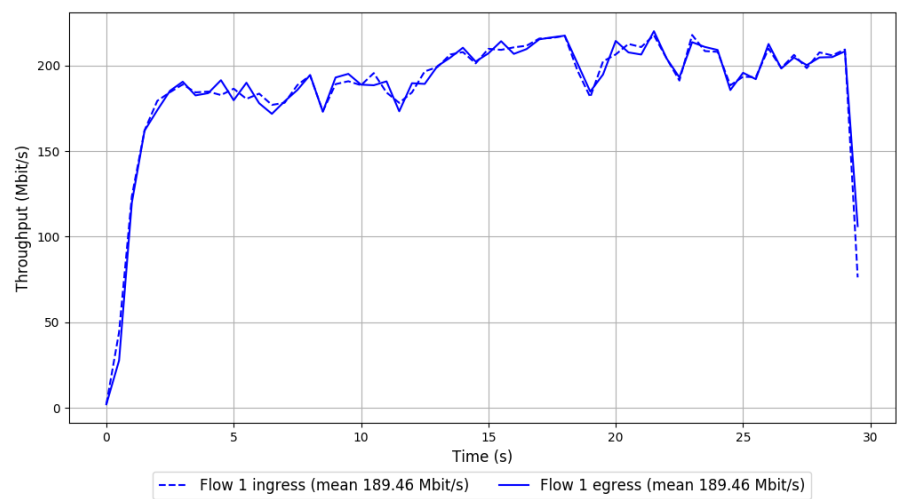
-- Flow 1:

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%

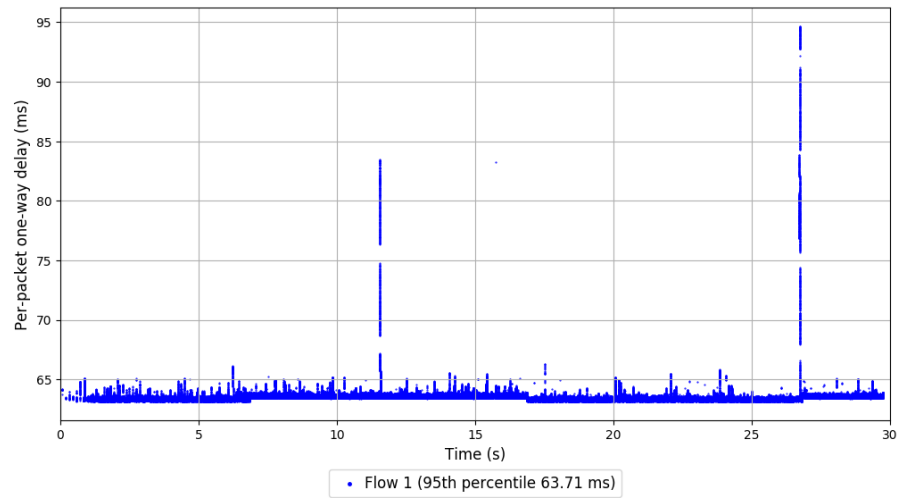
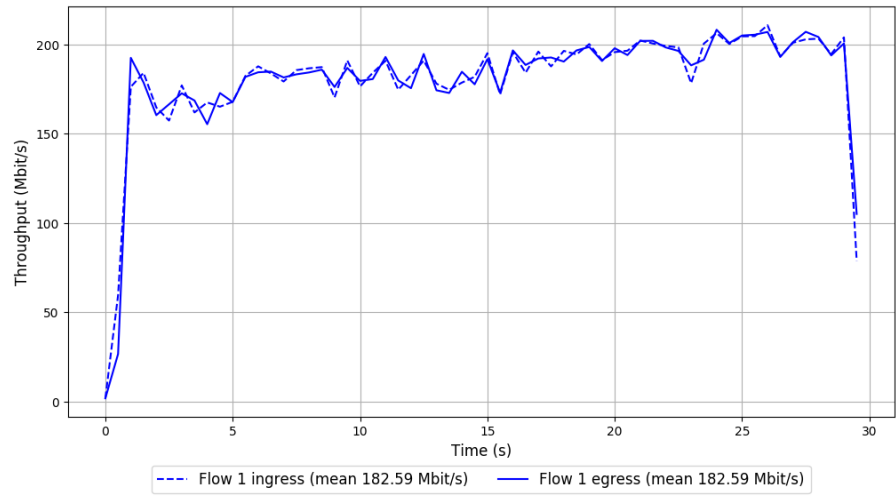
-- Flow 1:

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%

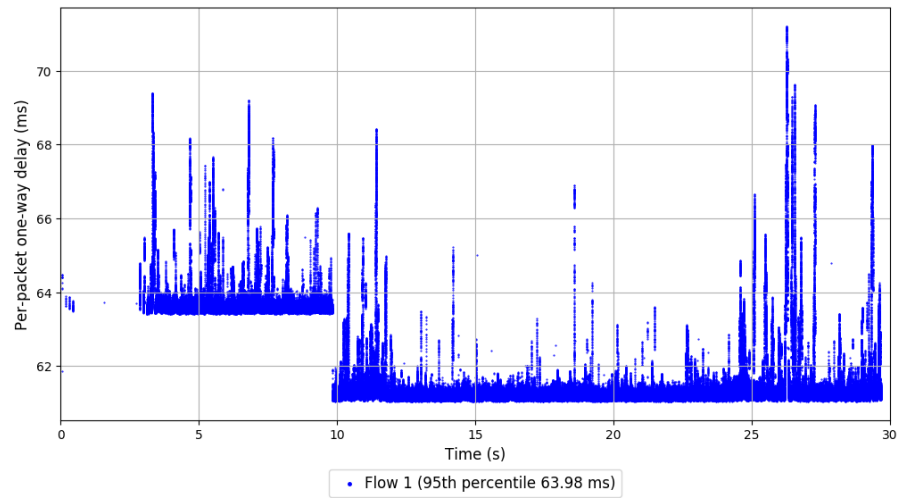
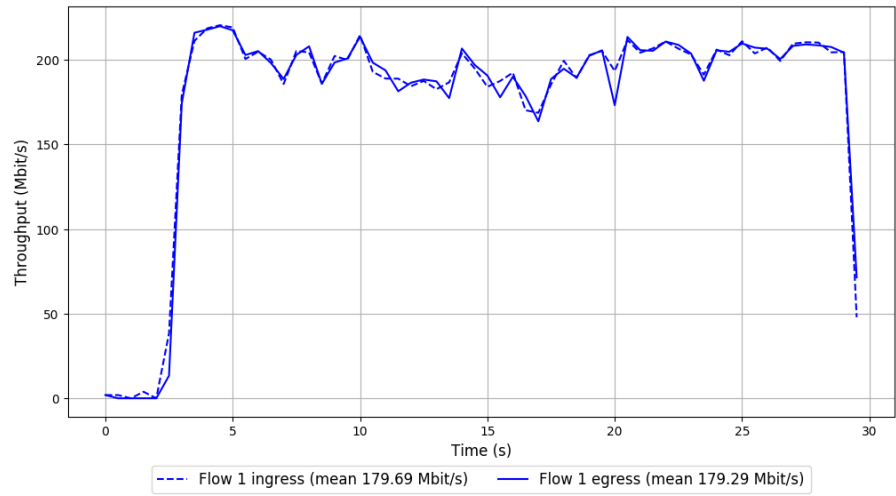
-- Flow 1:

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%

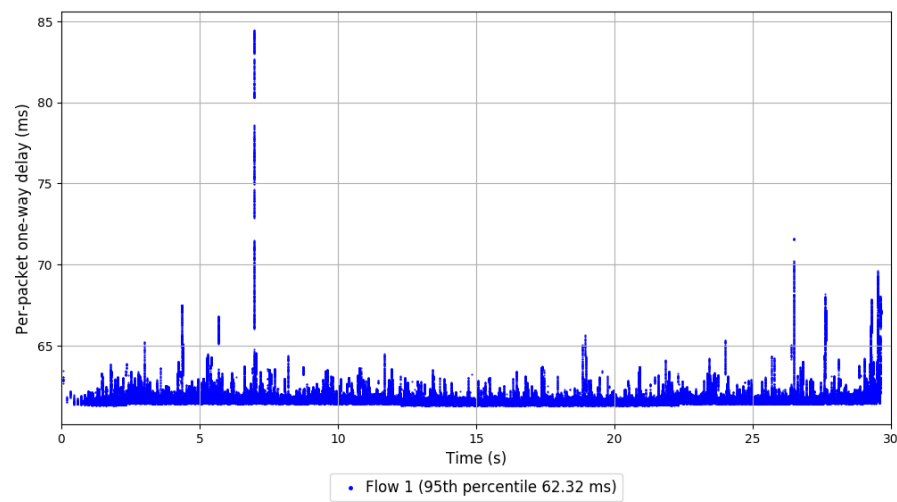
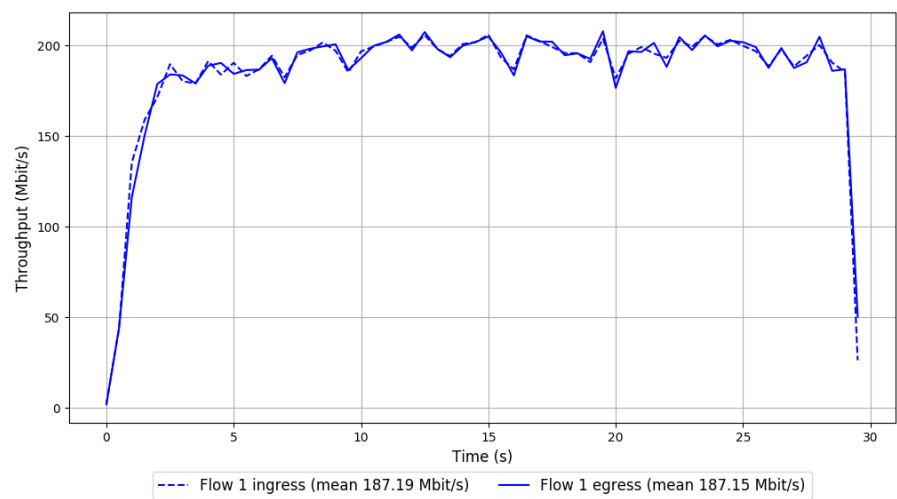
-- Flow 1:

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%

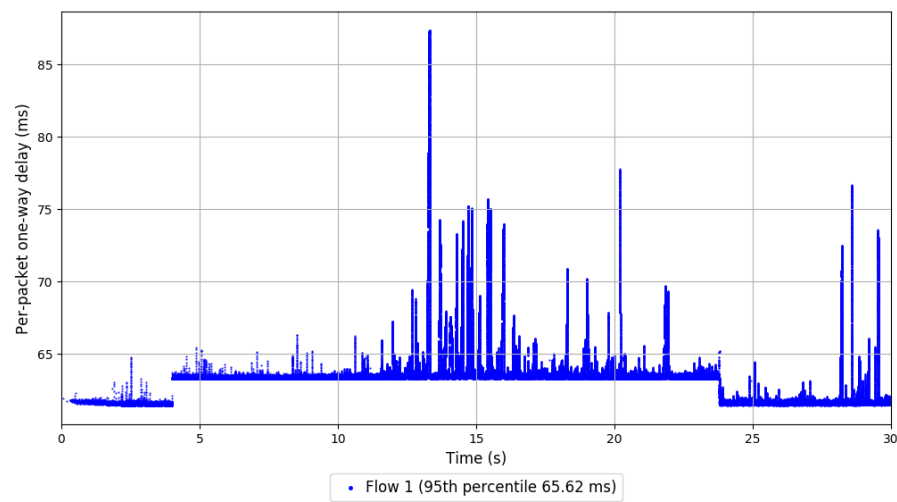
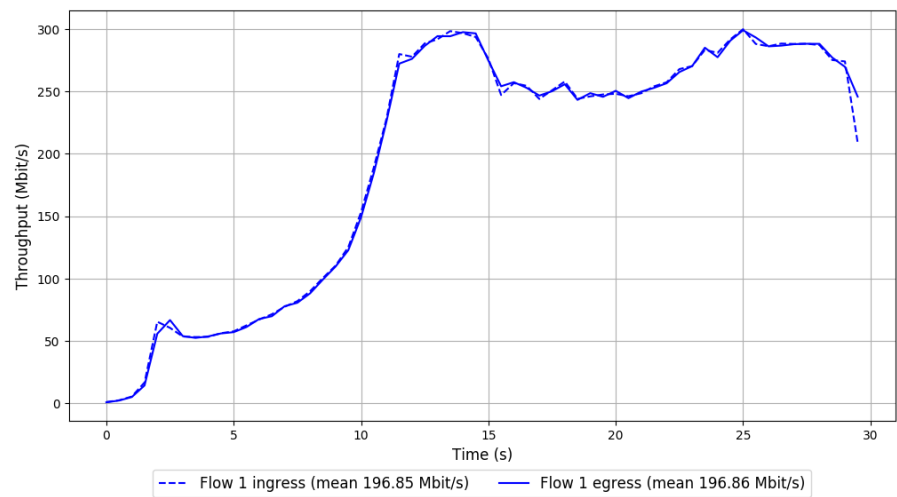
-- Flow 1:

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%

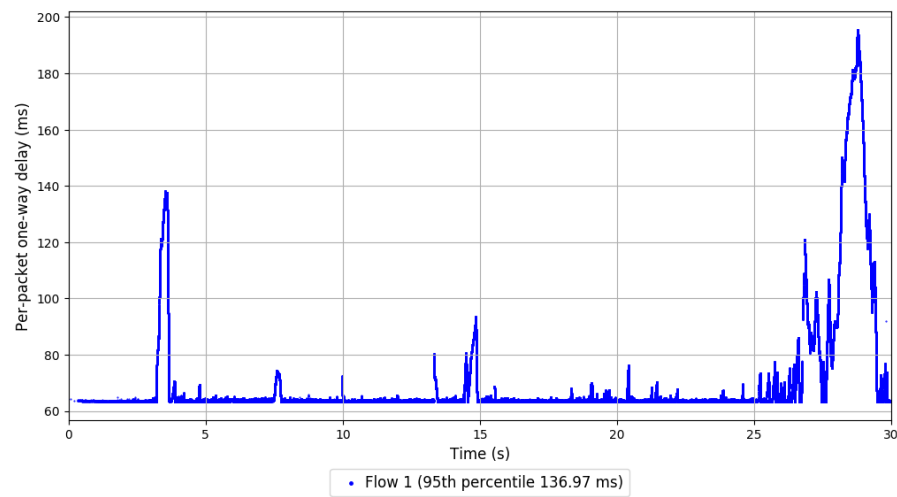
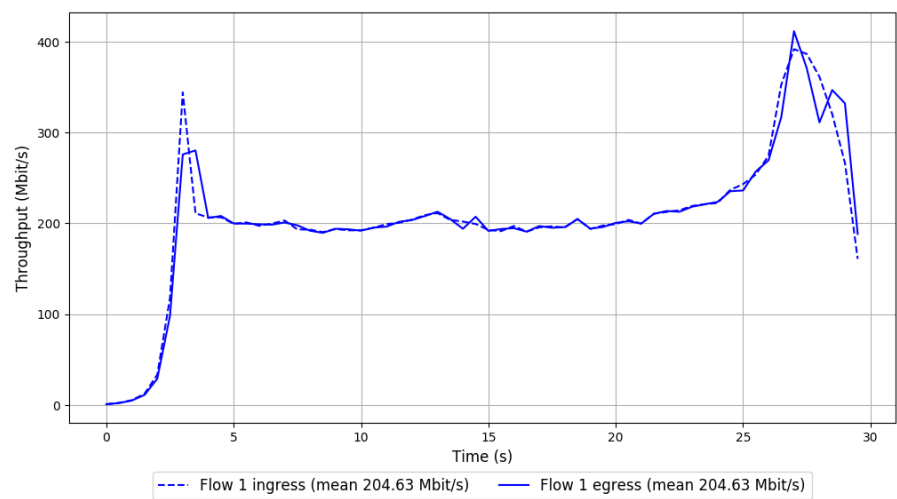
-- Flow 1:

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%

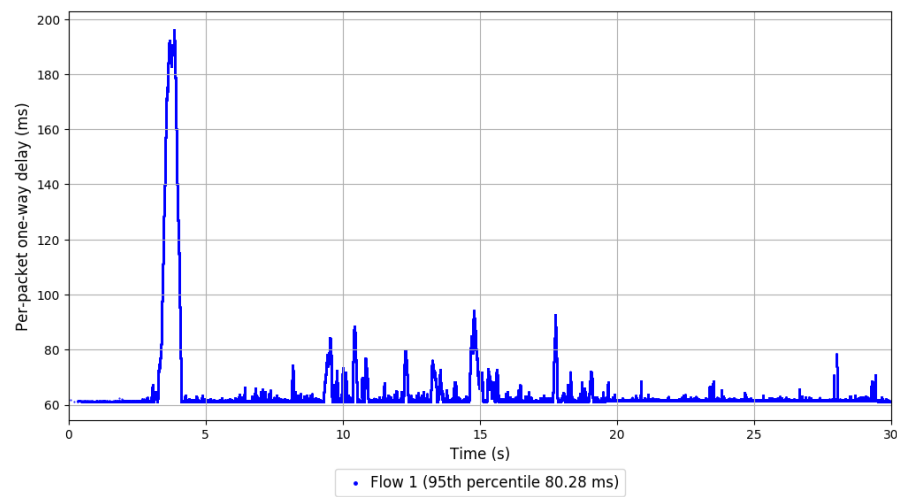
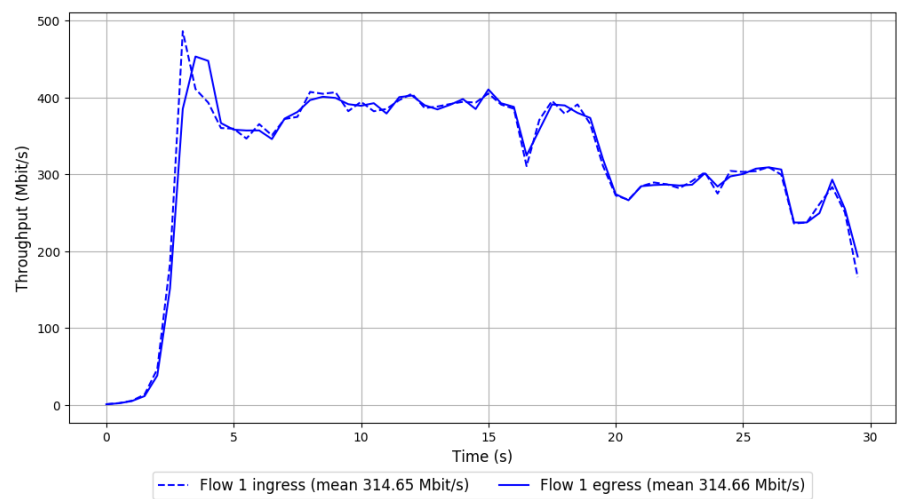
-- Flow 1:

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%

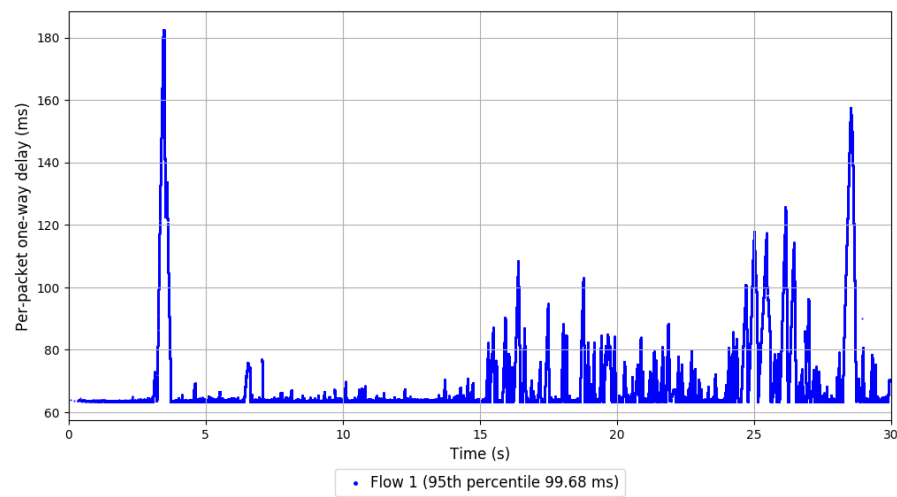
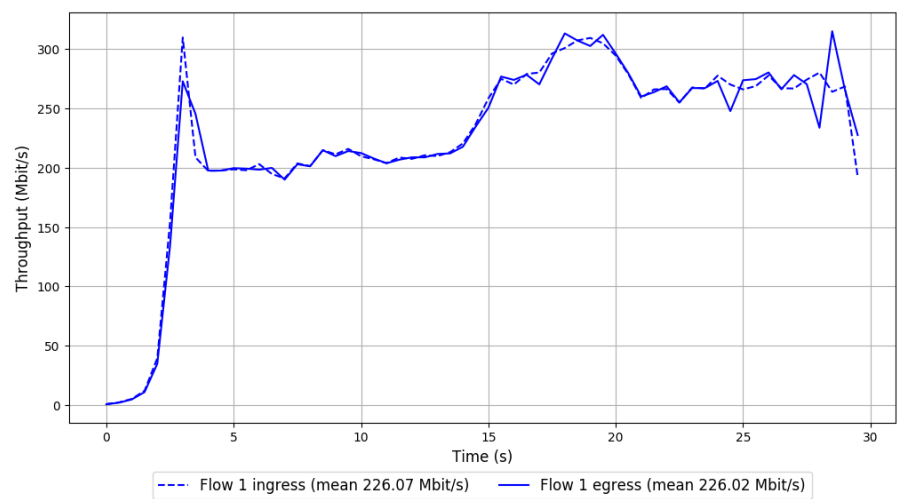
-- Flow 1:

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%

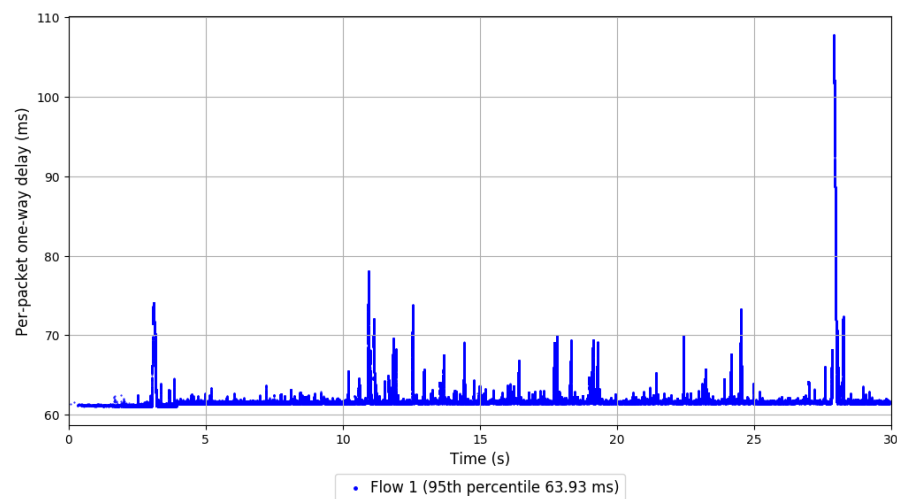
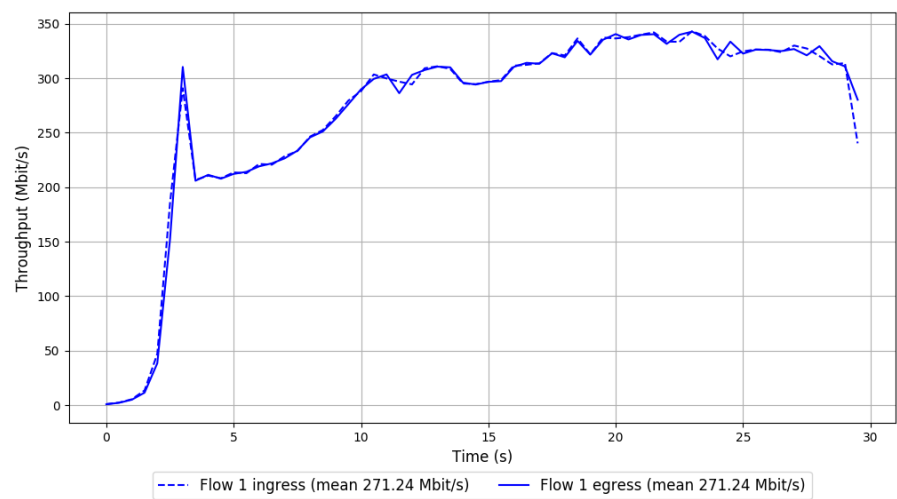
-- Flow 1:

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

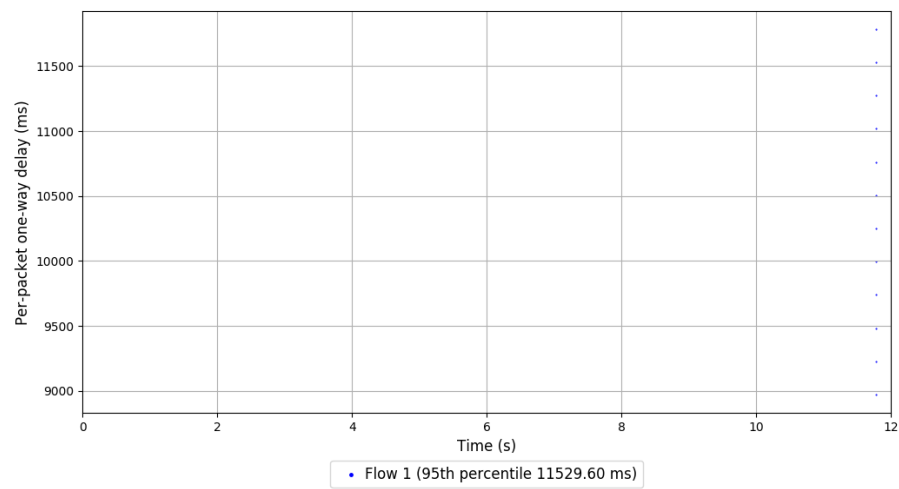
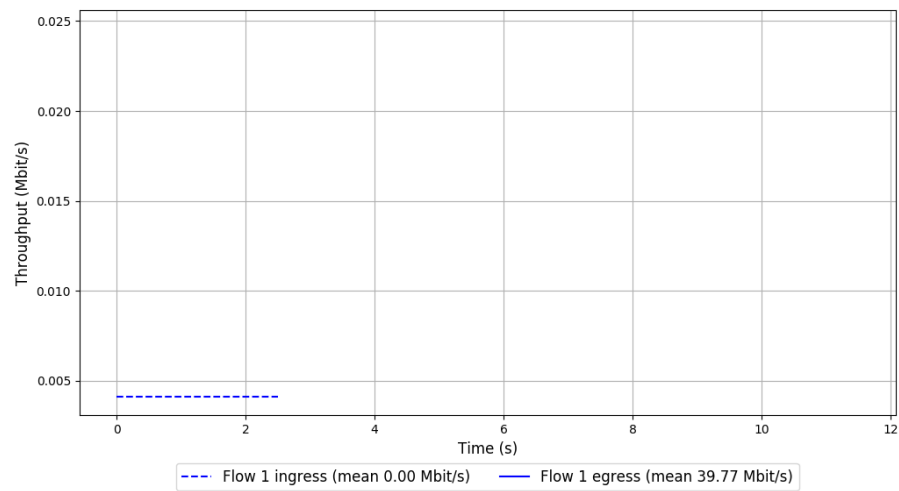


Run 6: Statistics of Vivace-latency

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

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

Run 6: Report of Vivace-latency — Data Link

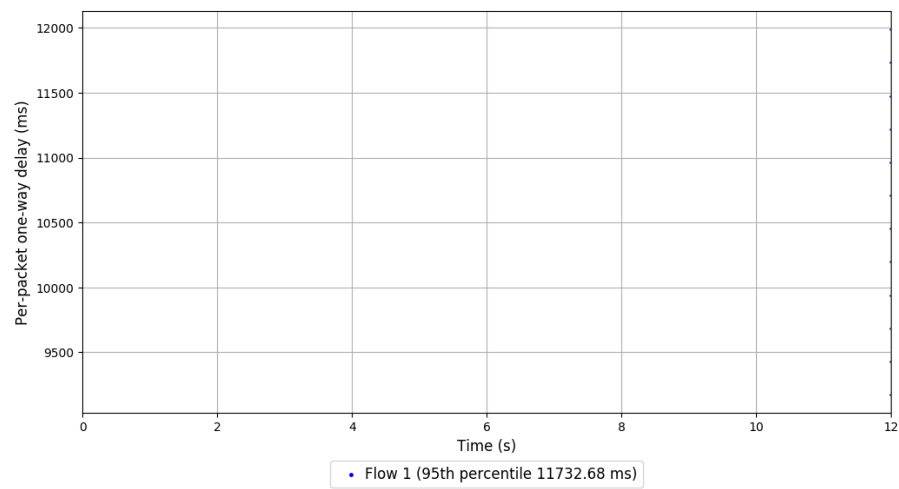
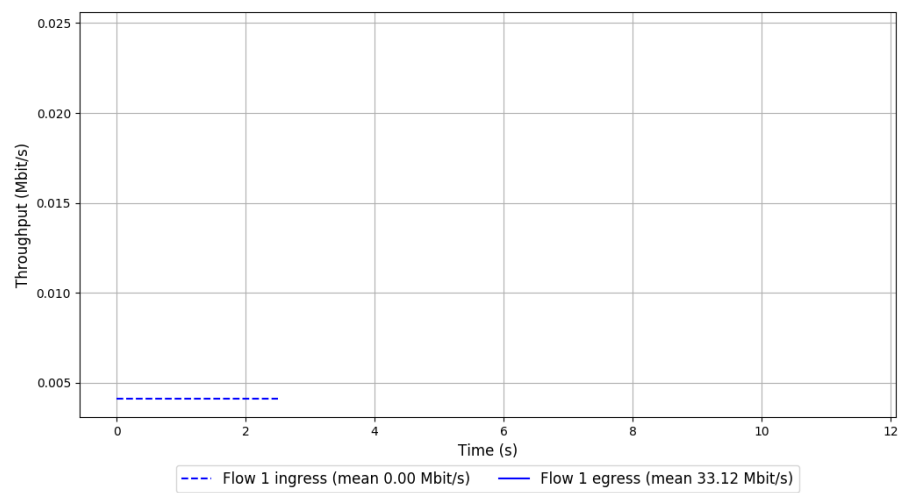


Run 7: Statistics of Vivace-latency

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

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

Run 7: Report of Vivace-latency — Data Link

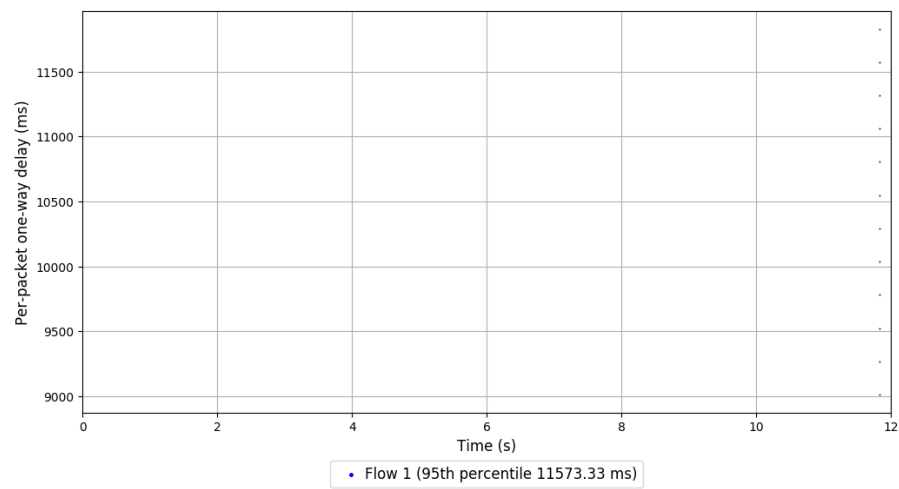
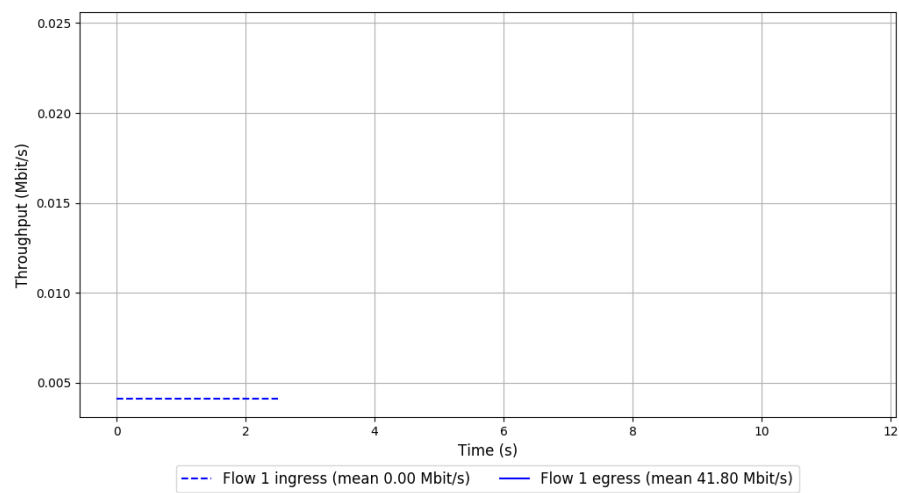


Run 8: Statistics of Vivace-latency

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%

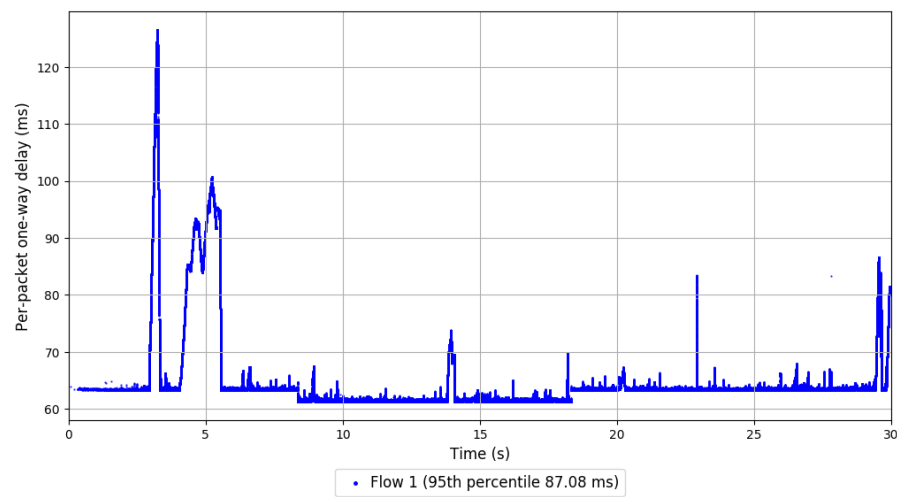
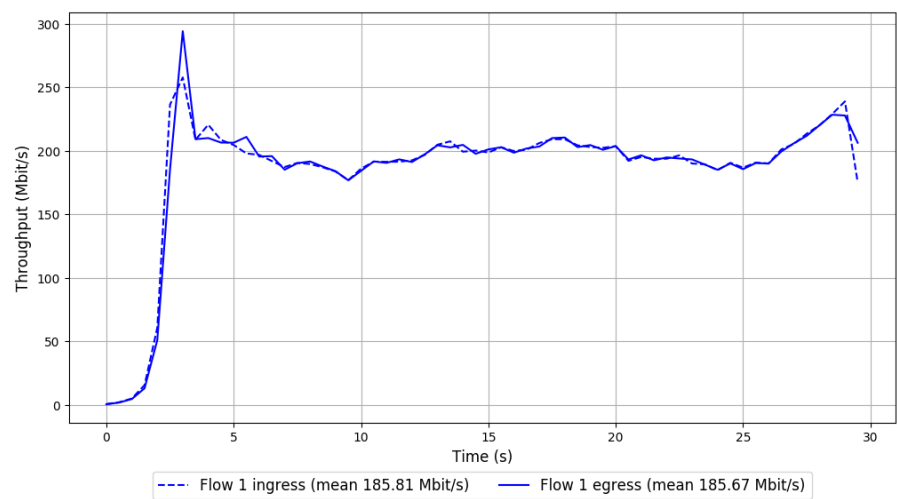
-- Flow 1:

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

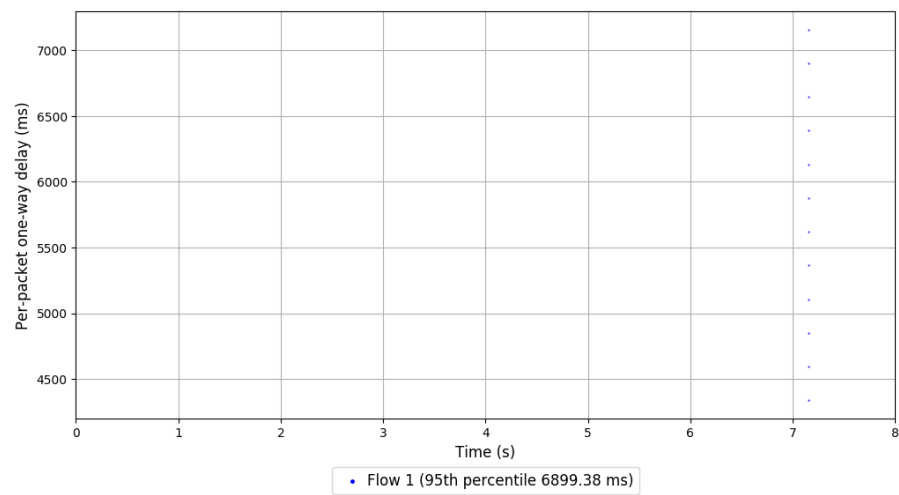
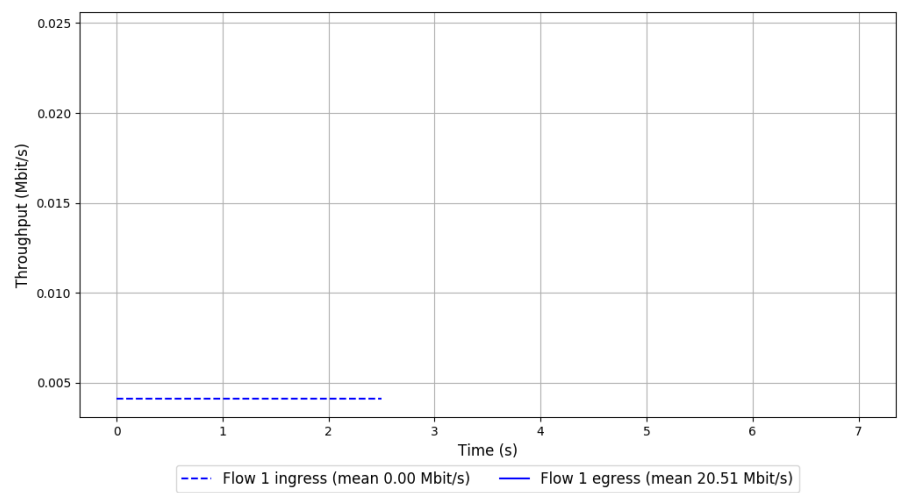


Run 10: Statistics of Vivace-latency

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

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

Run 10: Report of Vivace-latency — Data Link

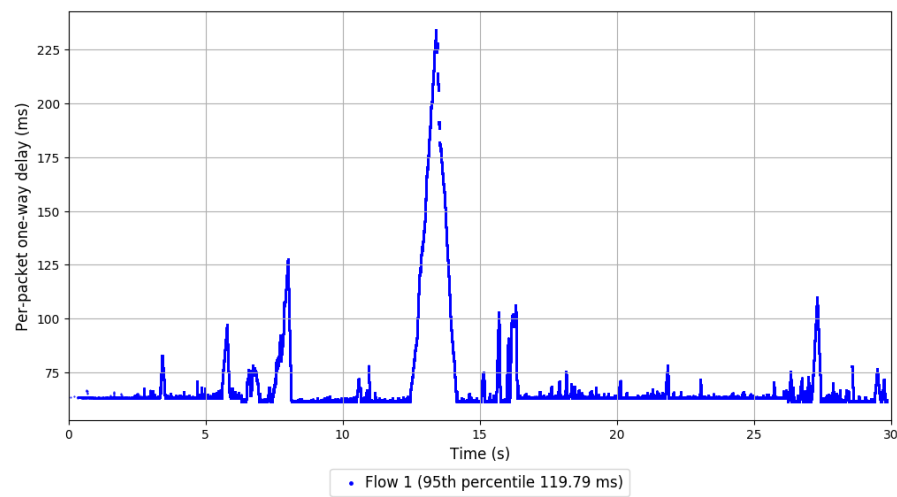
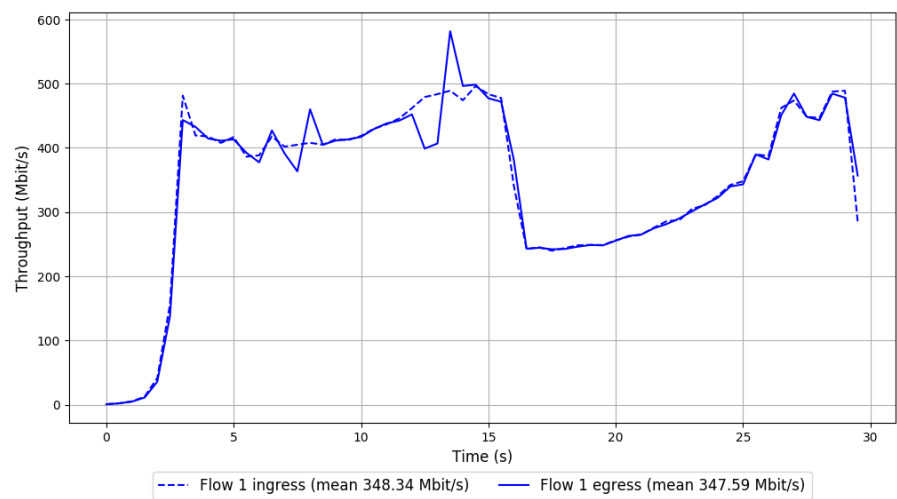


```
Run 1: Statistics of Vivace-loss

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%

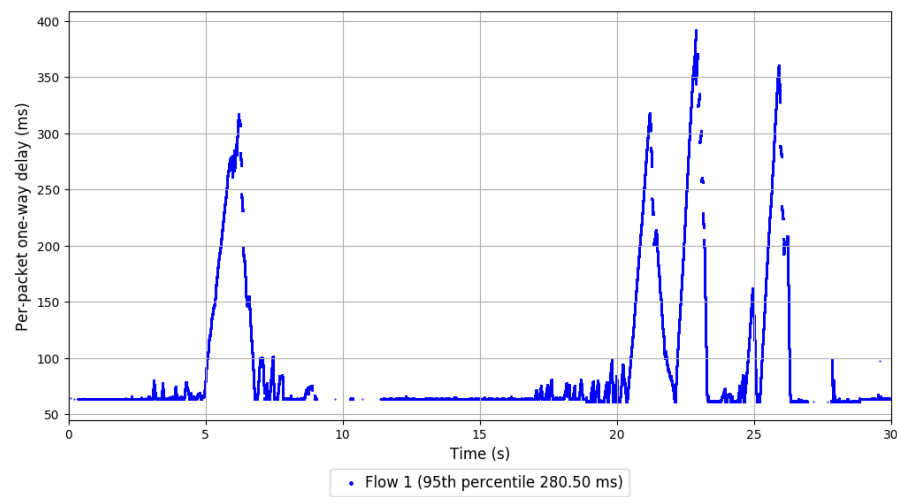
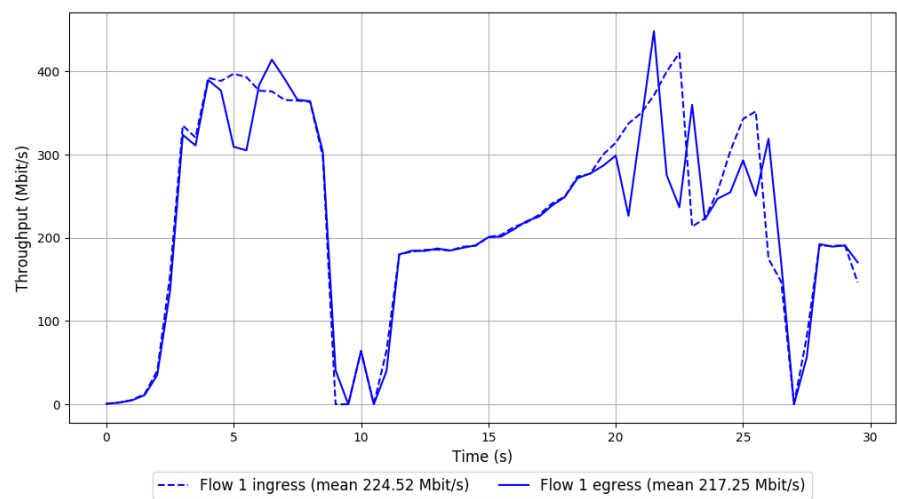
-- Flow 1:

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%

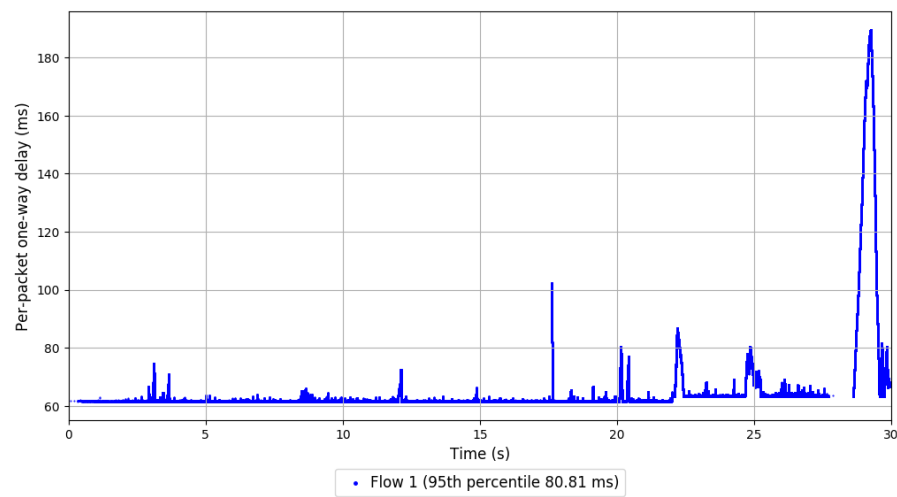
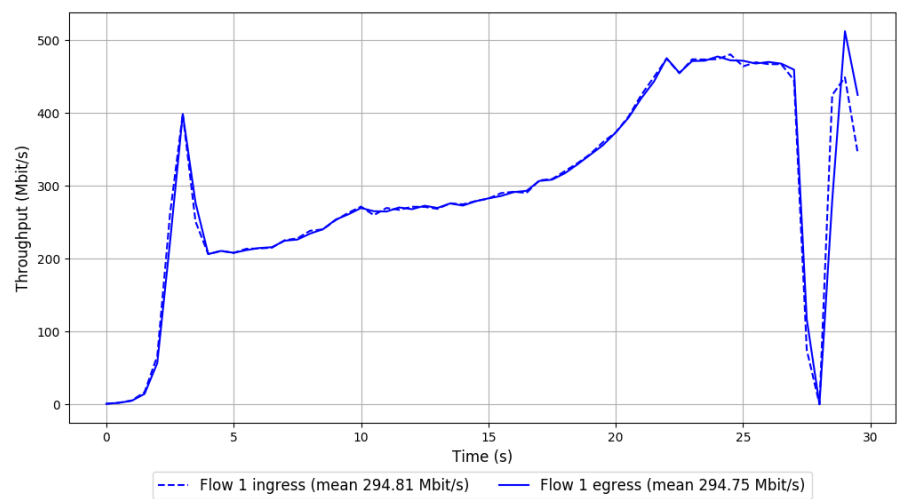
-- Flow 1:

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%

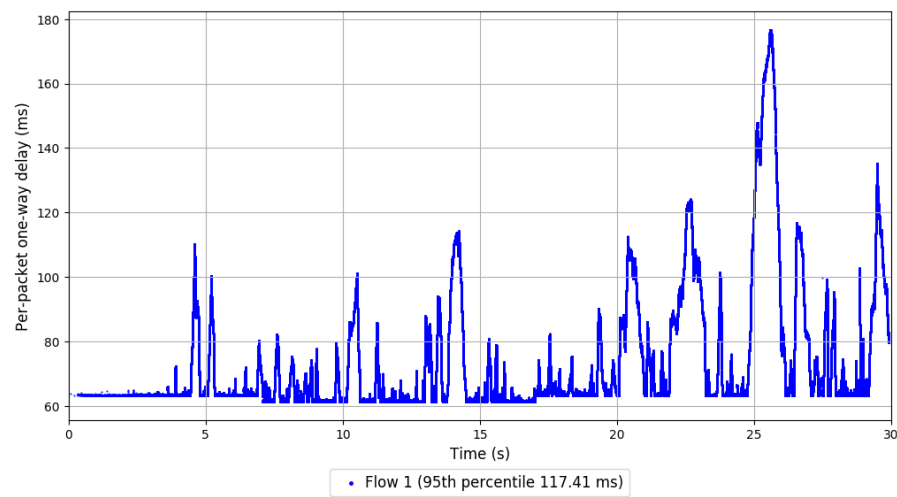
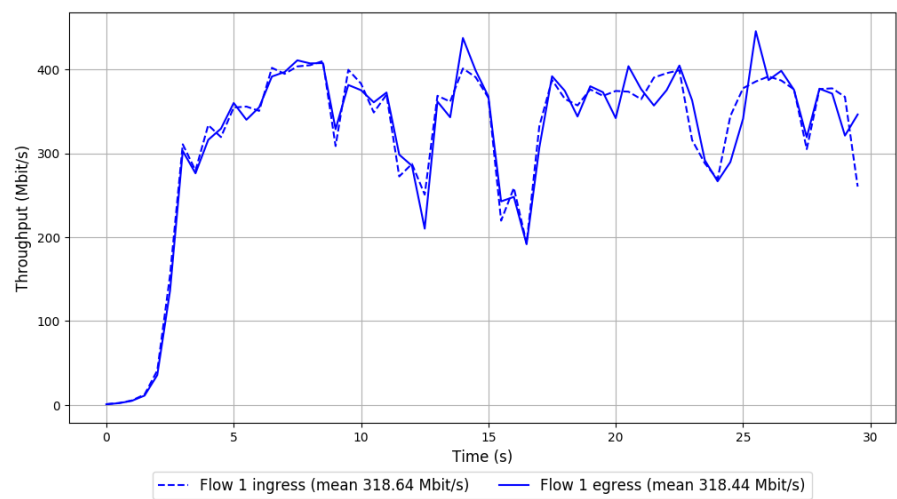
-- Flow 1:

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%

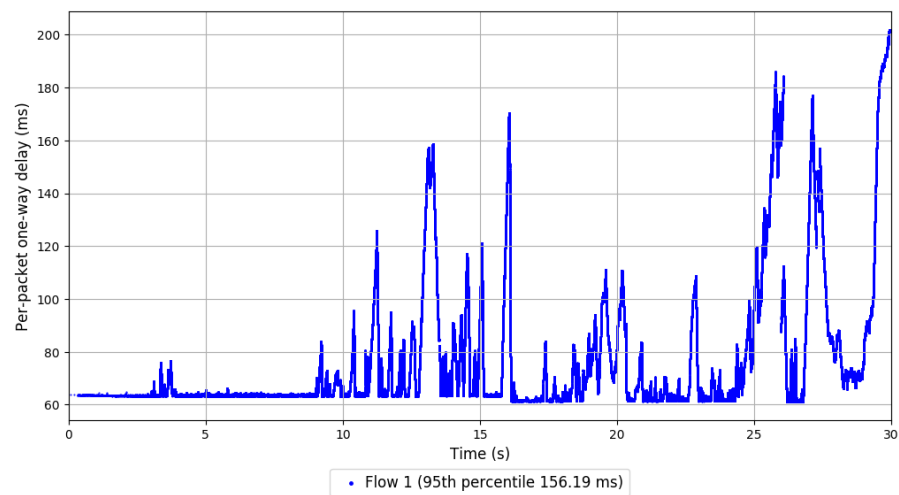
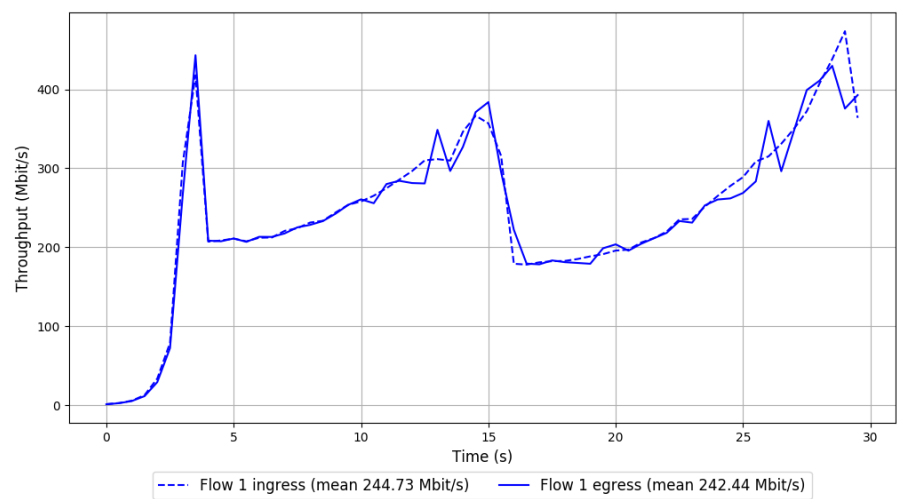
-- Flow 1:

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%

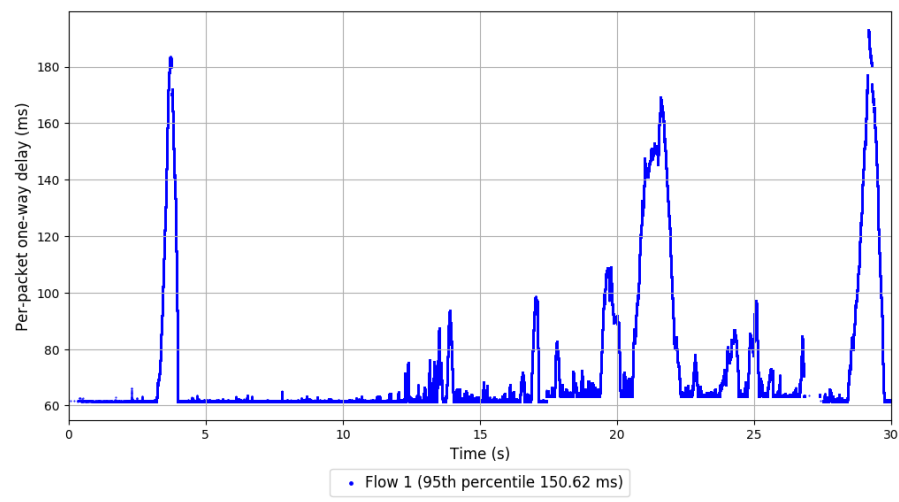
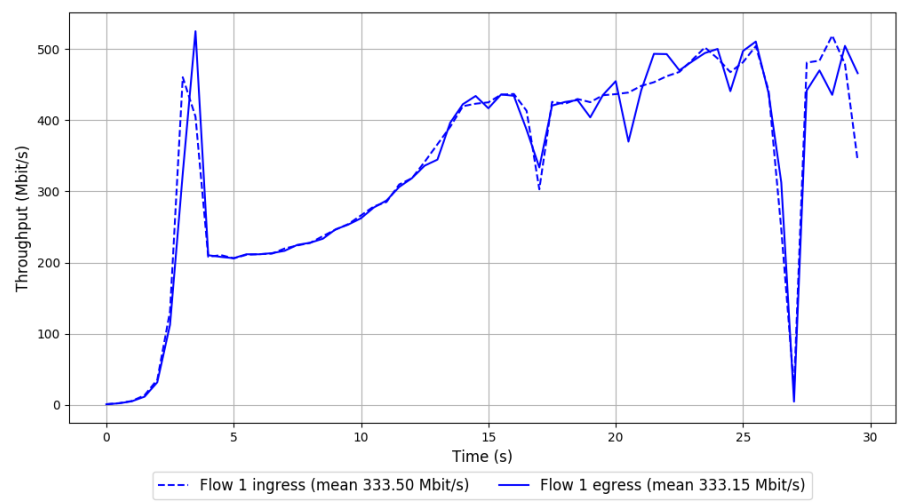
-- Flow 1:

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%

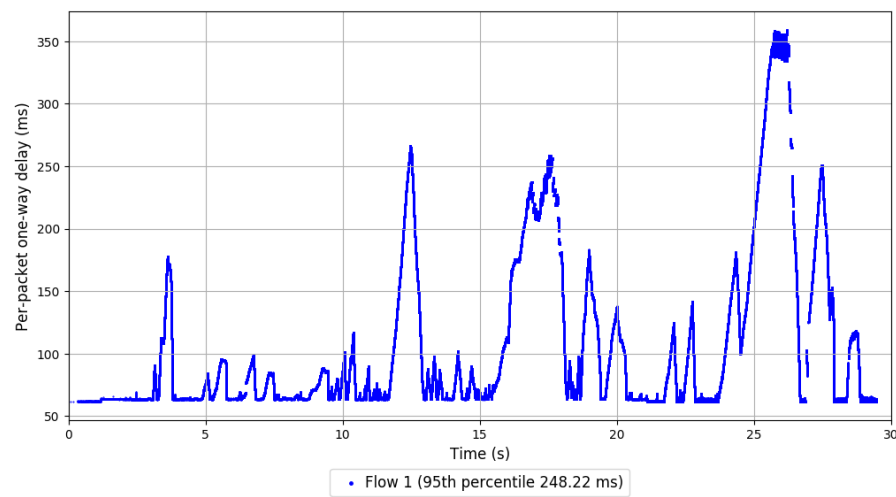
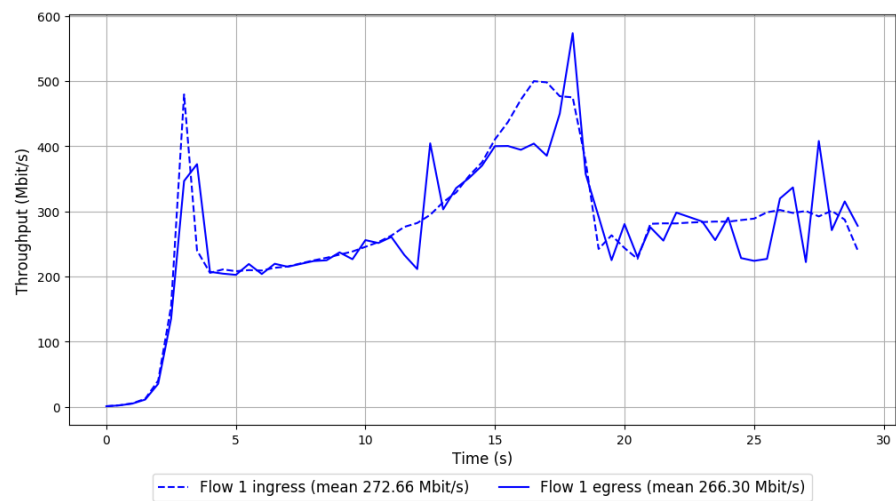
-- Flow 1:

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%

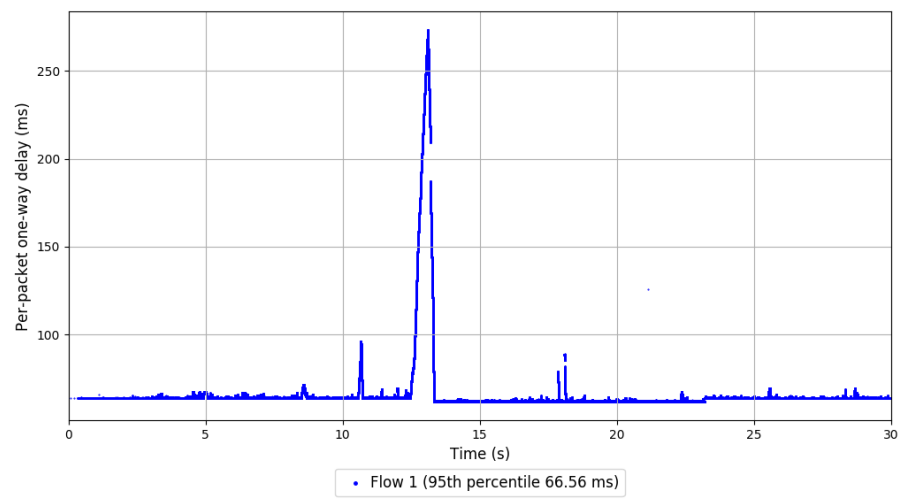
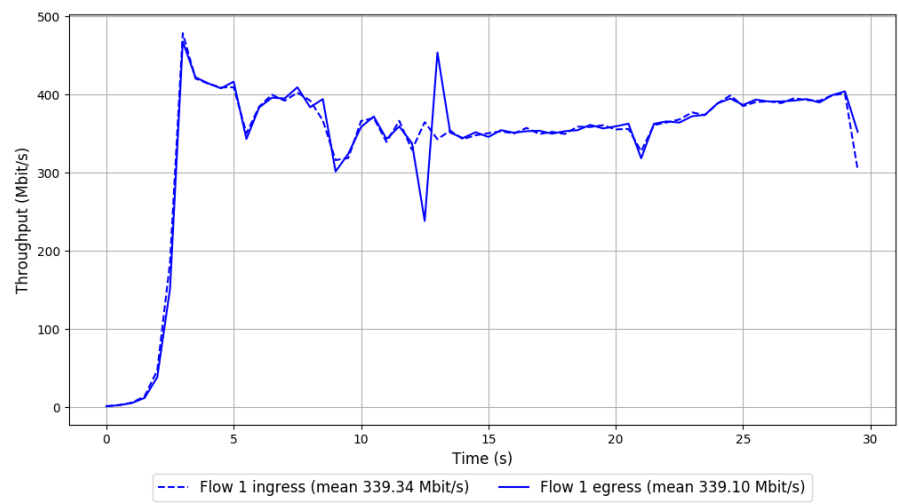
-- Flow 1:

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%

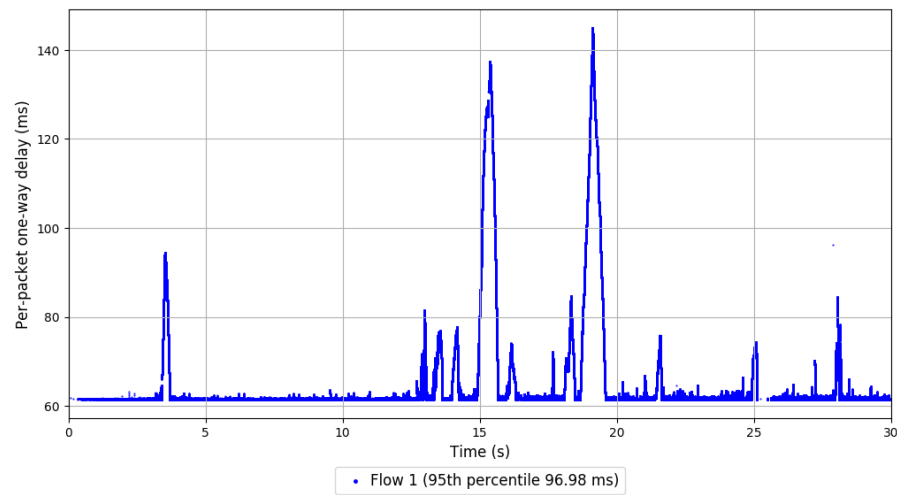
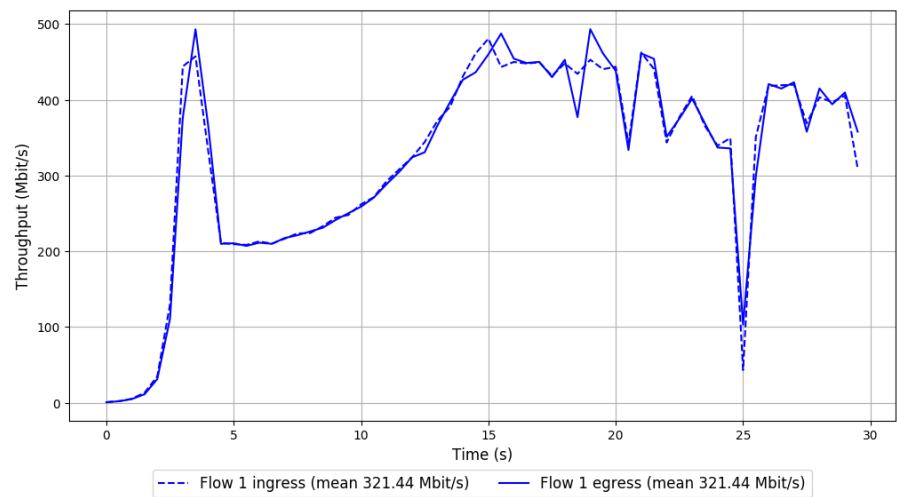
-- Flow 1:

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

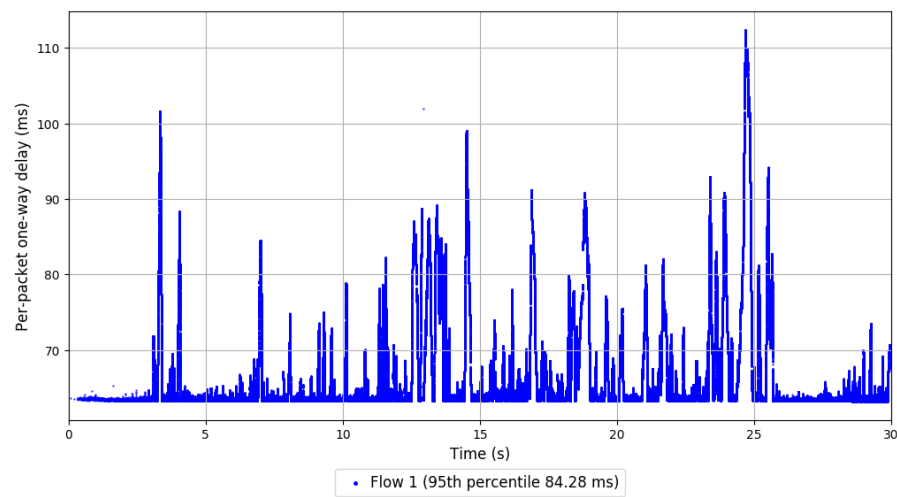
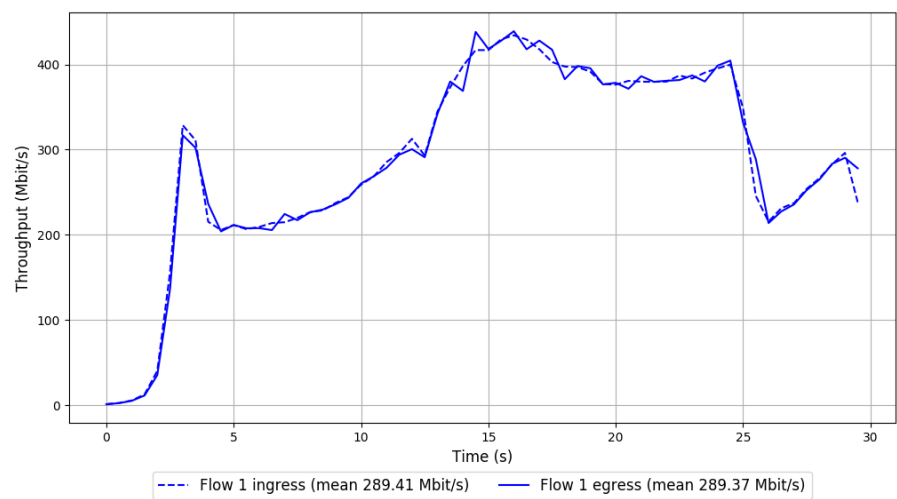


```
Run 10: Statistics of Vivace-loss

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

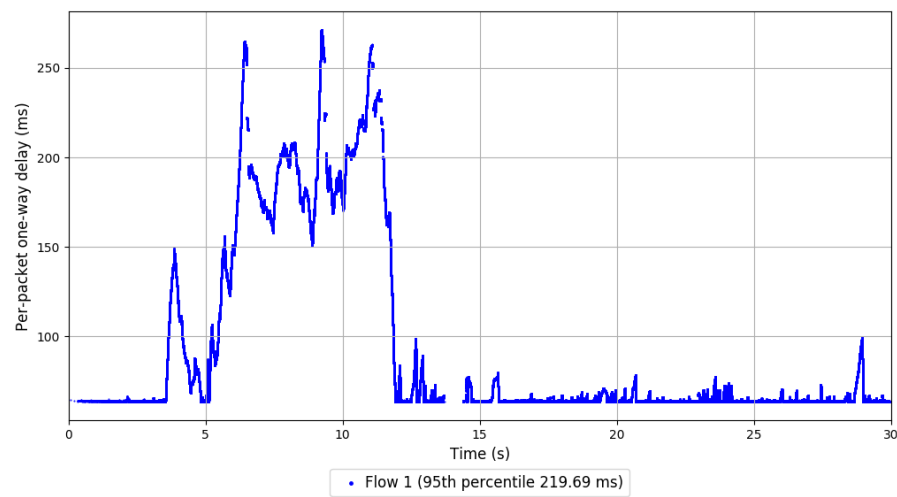
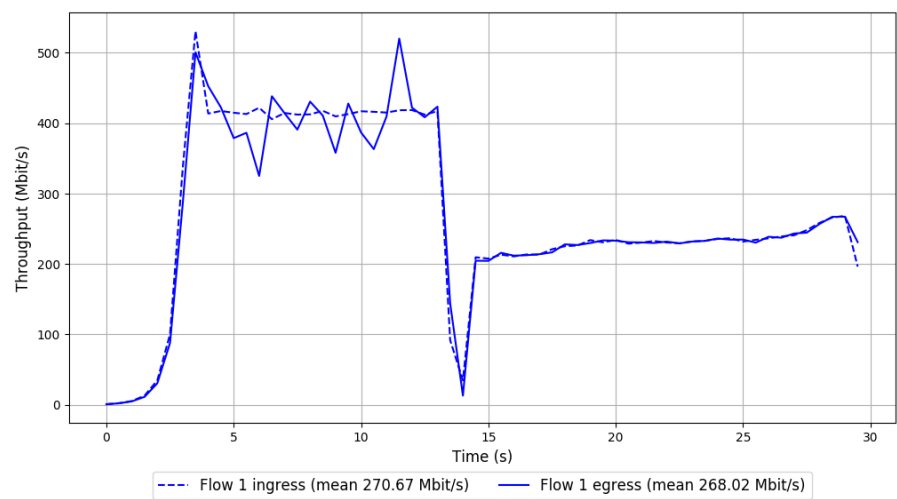


```
Run 1: Statistics of Vivace-LTE

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%

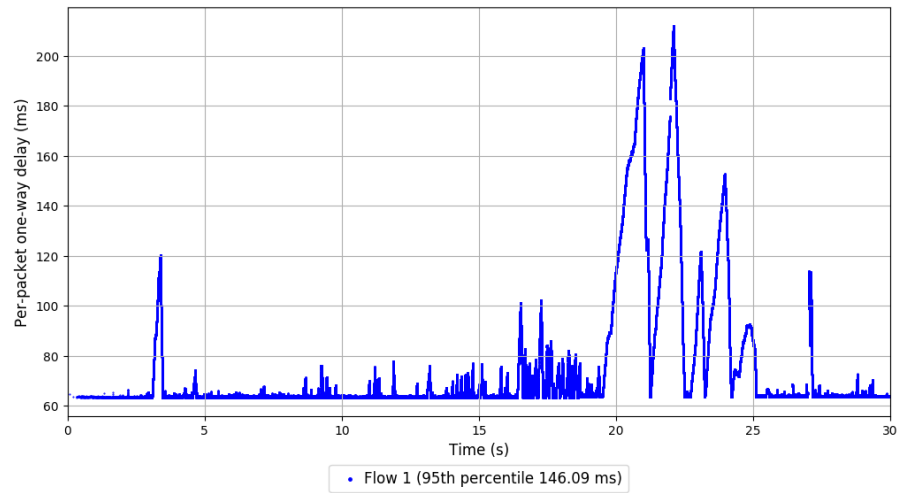
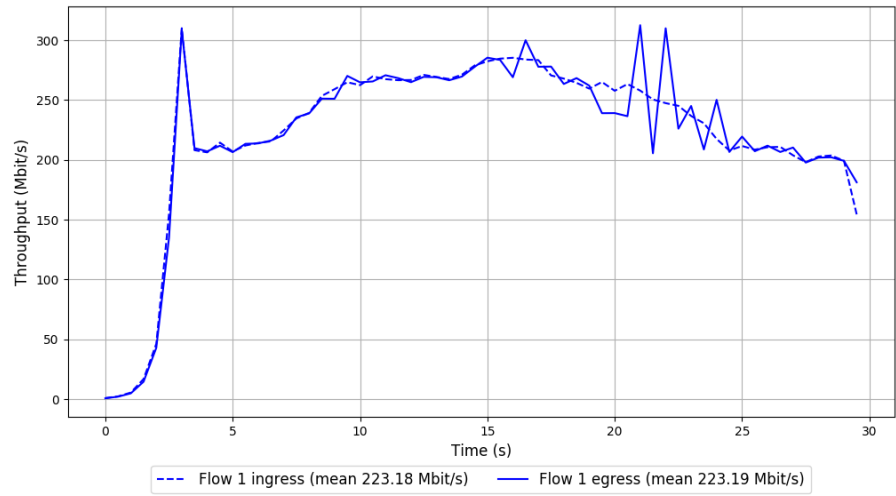
-- Flow 1:

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%

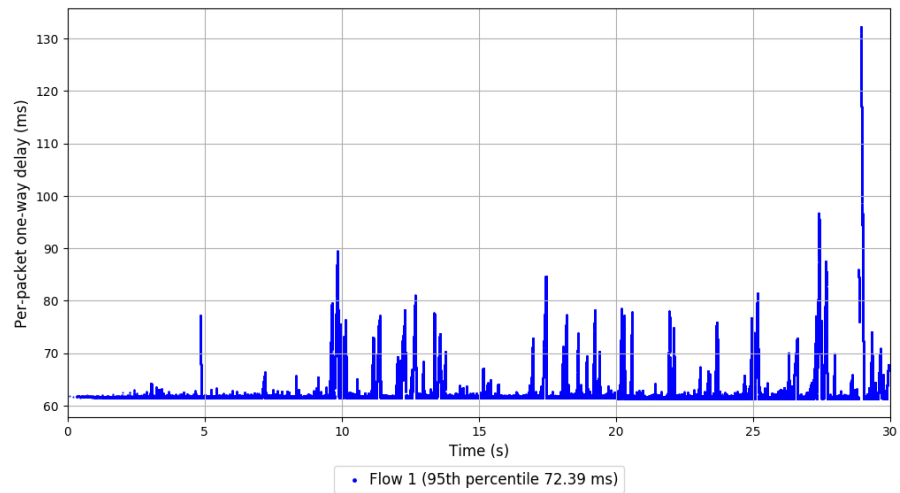
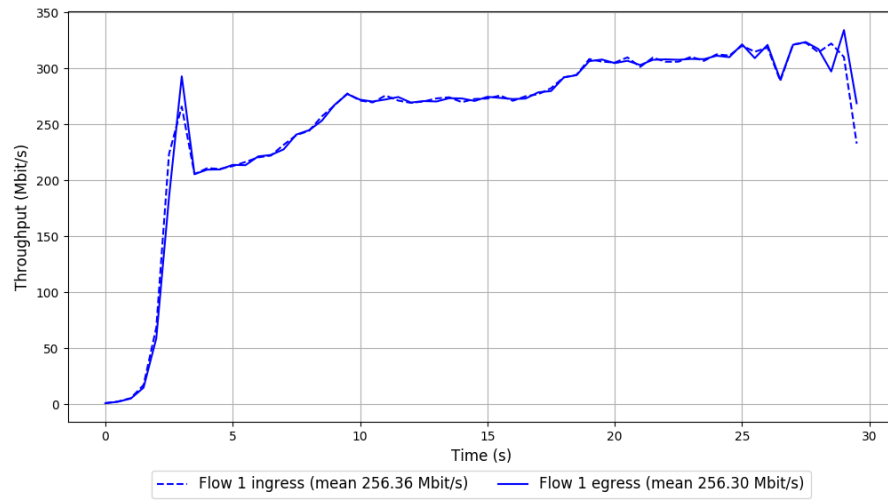
-- Flow 1:

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%

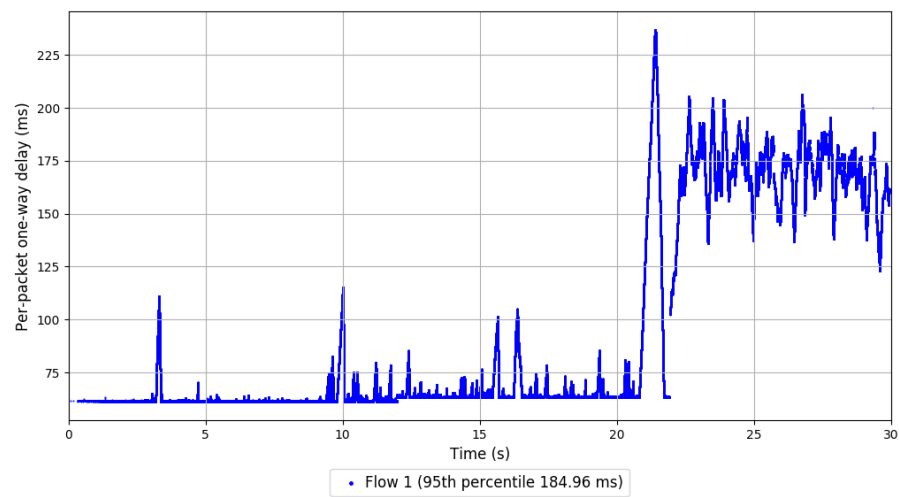
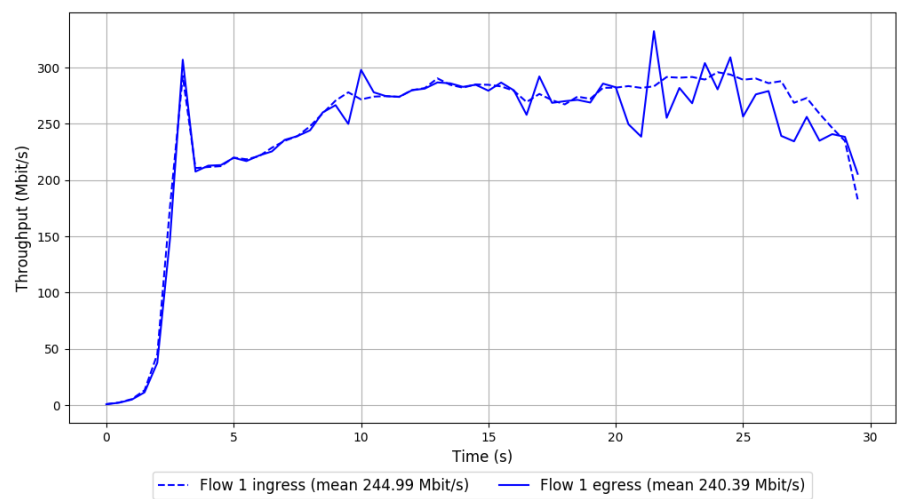
-- Flow 1:

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%

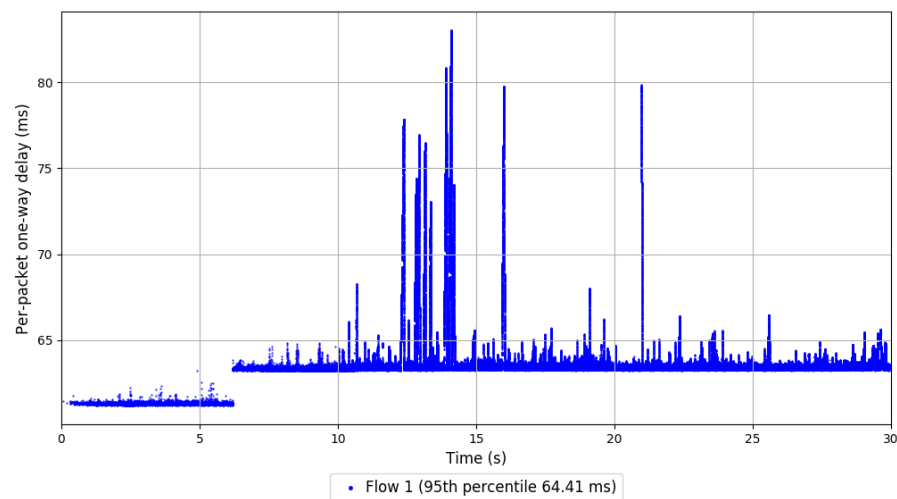
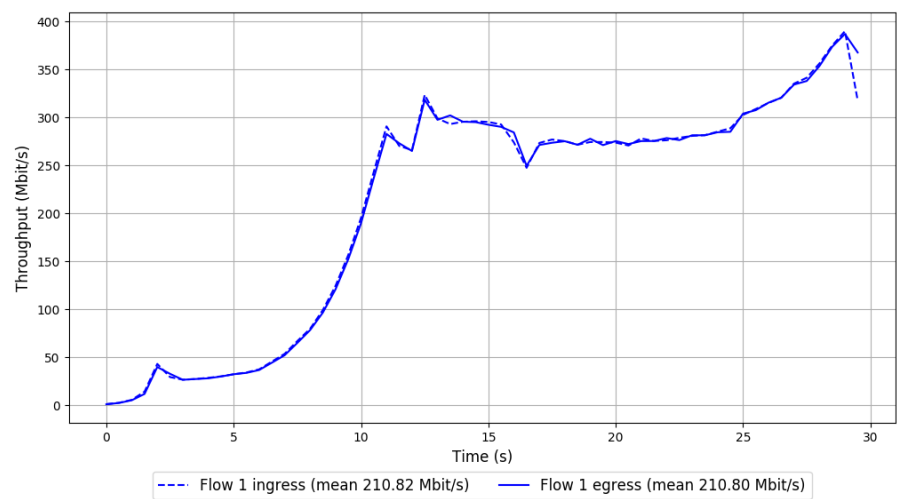
-- Flow 1:

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%

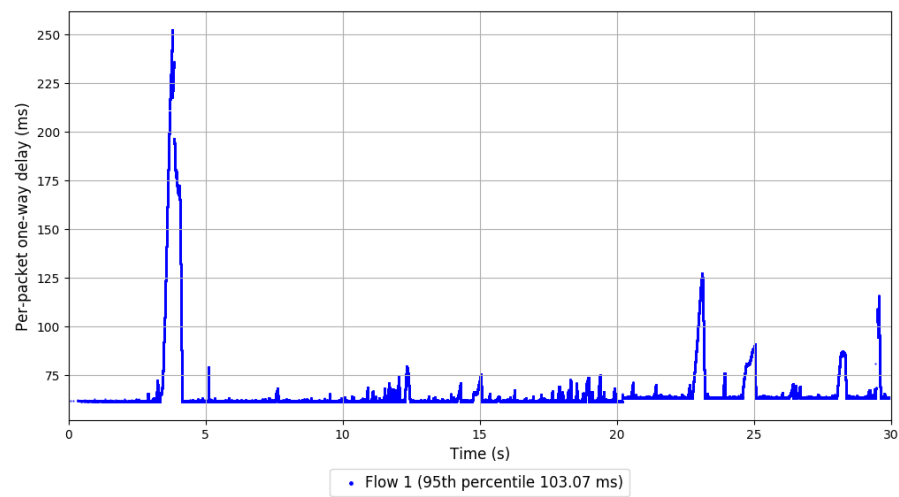
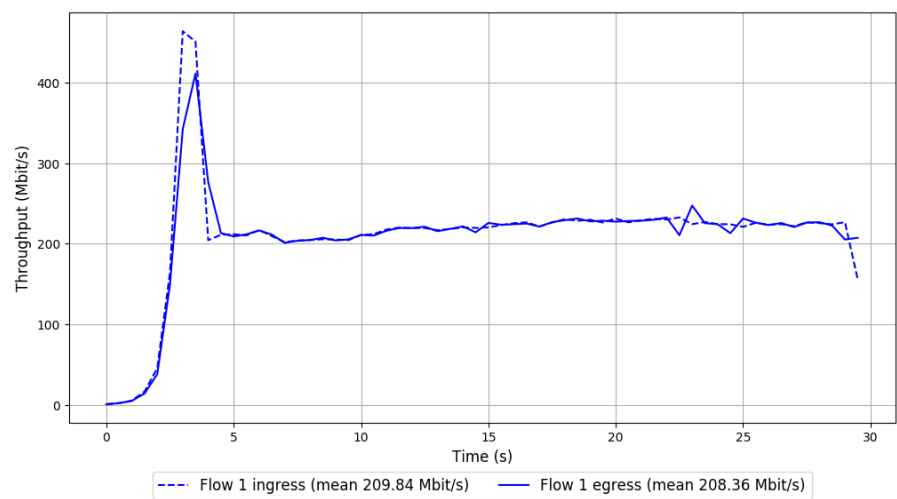
-- Flow 1:

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%

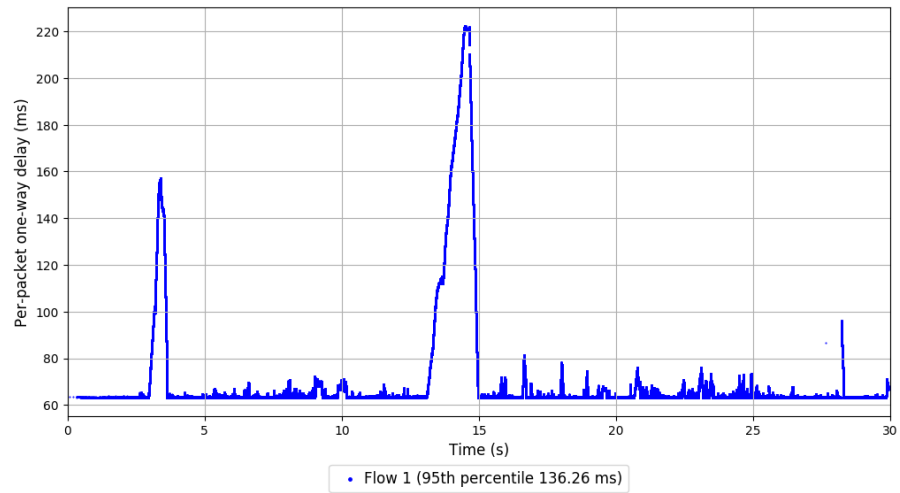
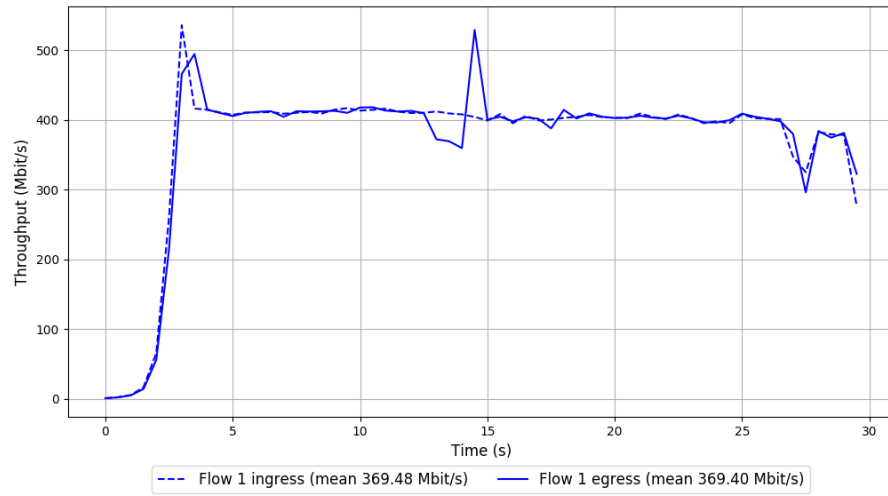
-- Flow 1:

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%

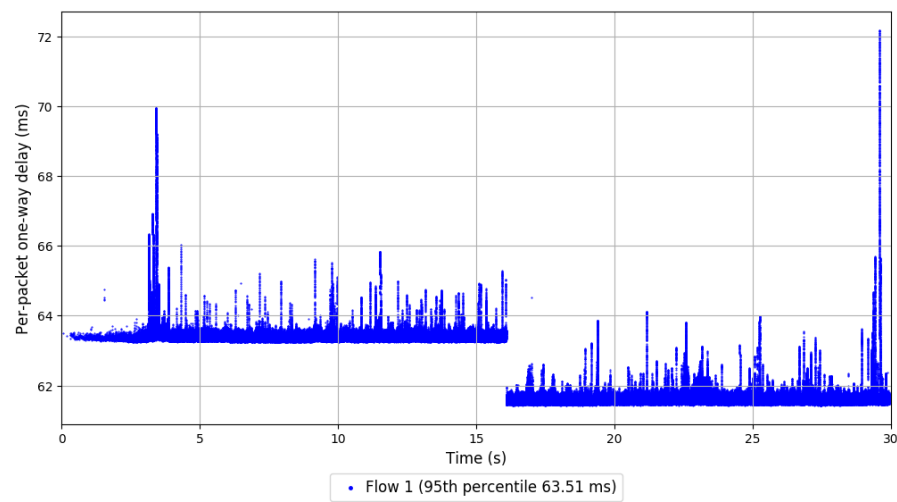
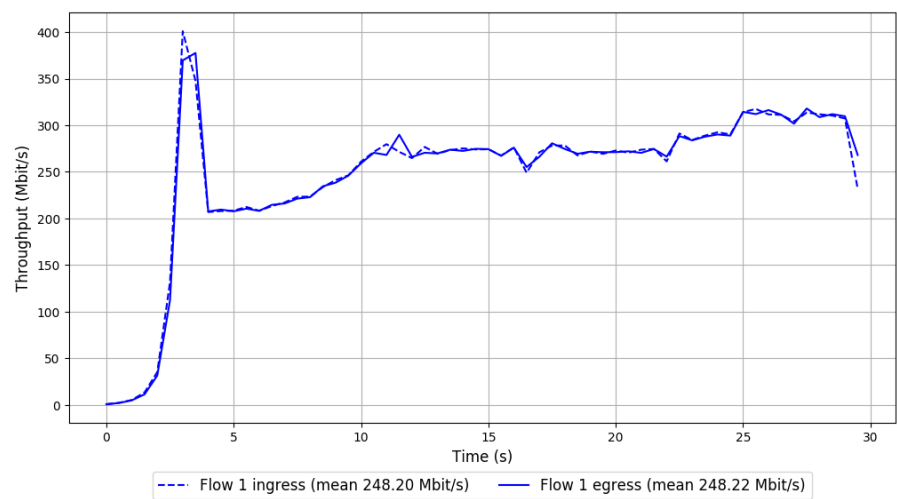
-- Flow 1:

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%

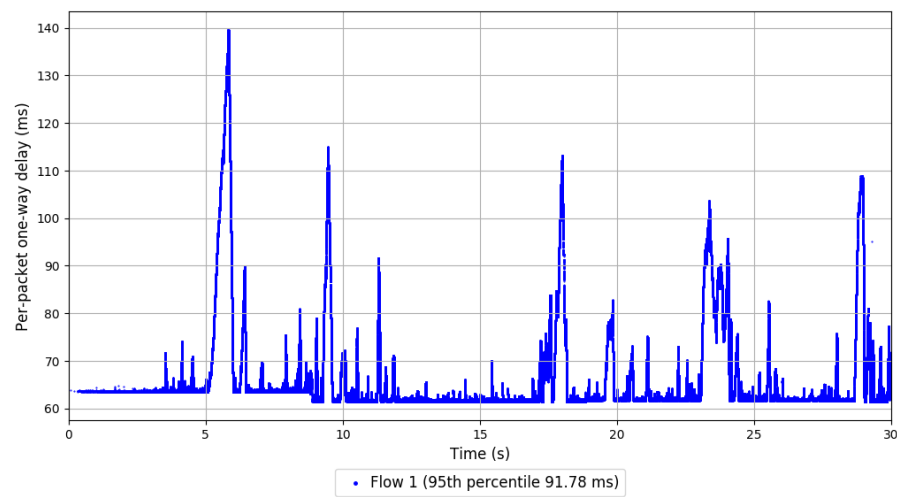
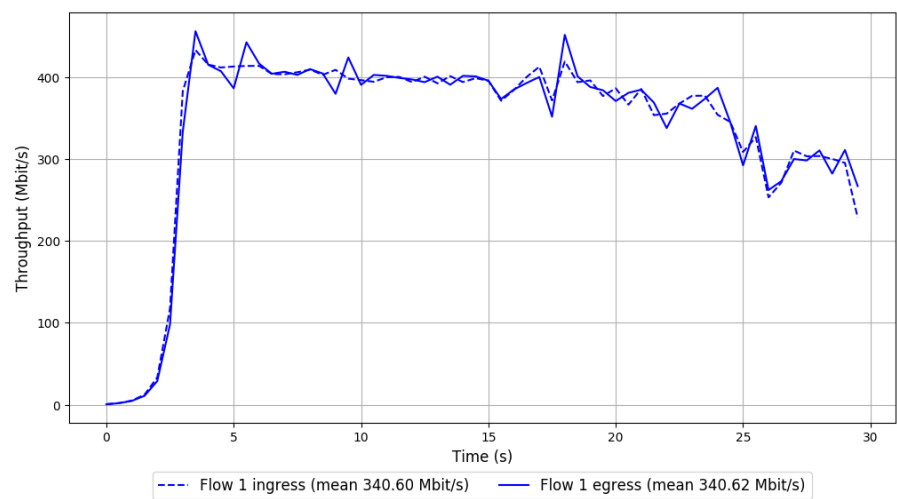
-- Flow 1:

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

