

Pantheon Report

Generated at 2018-01-17 05:41:57 (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.

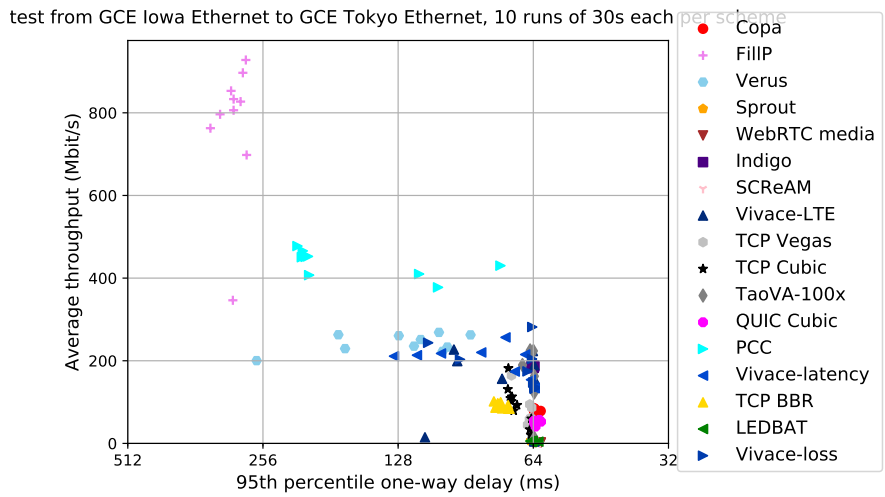
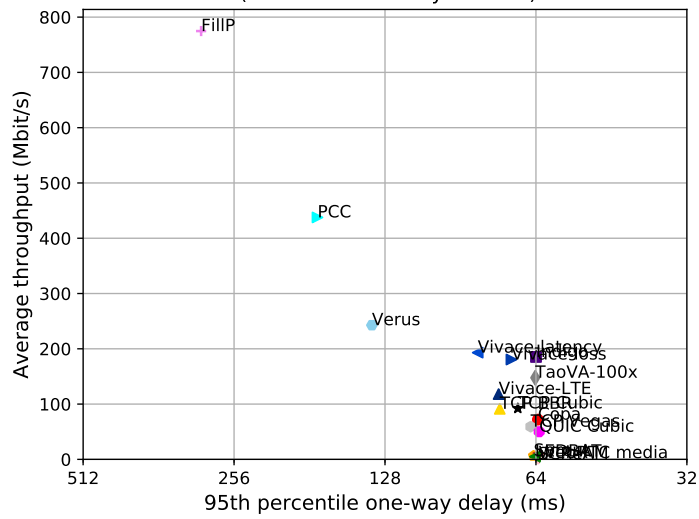
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/llp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
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 @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
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	91.44	75.57	0.19
TCP Cubic	10	92.23	69.55	0.15
LEDBAT	9	4.98	64.30	0.74
PCC	10	437.67	174.51	0.89
QUIC Cubic	7	50.01	63.05	0.00
SCReAM	8	0.22	63.45	0.02
WebRTC media	10	2.25	63.27	0.00
Sprout	5	6.45	64.70	0.27
TaoVA-100x	10	147.67	64.21	0.01
TCP Vegas	10	59.13	65.58	0.13
Verus	10	242.71	135.95	1.53
Copa	9	71.89	63.43	0.01
FillP	10	774.78	297.82	7.29
Indigo	10	185.27	63.98	0.07
Vivace-latency	10	193.05	83.64	0.05
Vivace-loss	10	180.58	71.62	0.00
Vivace-LTE	10	118.13	75.97	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-01-17 00:54:09

End at: 2018-01-17 00:54:39

Below is generated by plot.py at 2018-01-17 04:31:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 72.831 ms

Loss rate: 0.00%

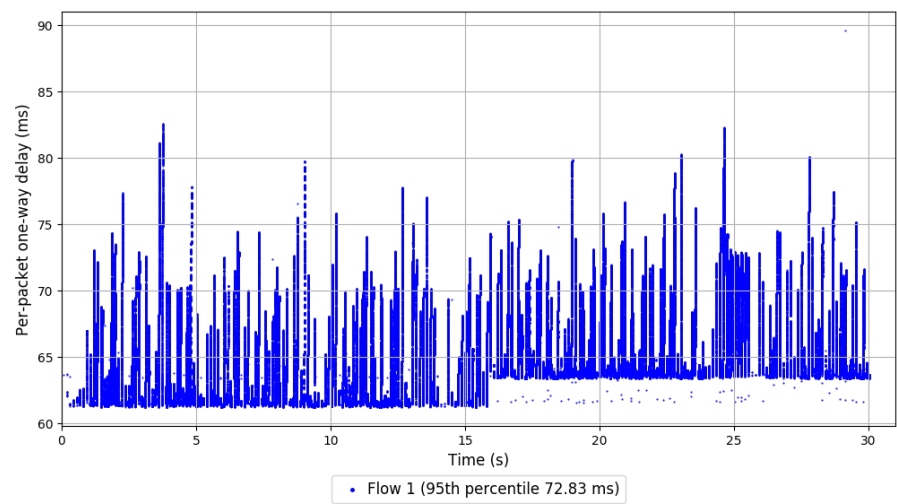
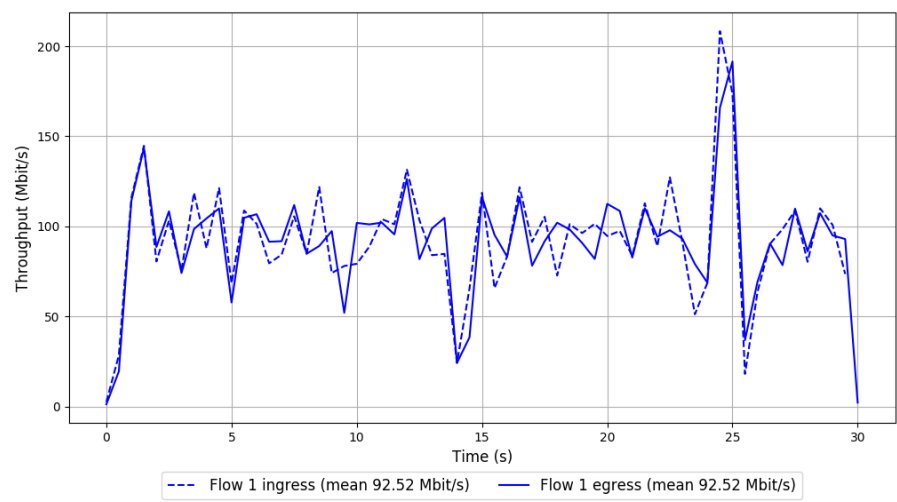
-- Flow 1:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 72.831 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-17 01:08:20

End at: 2018-01-17 01:08:50

Below is generated by plot.py at 2018-01-17 04:31:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.21 Mbit/s

95th percentile per-packet one-way delay: 72.822 ms

Loss rate: 0.00%

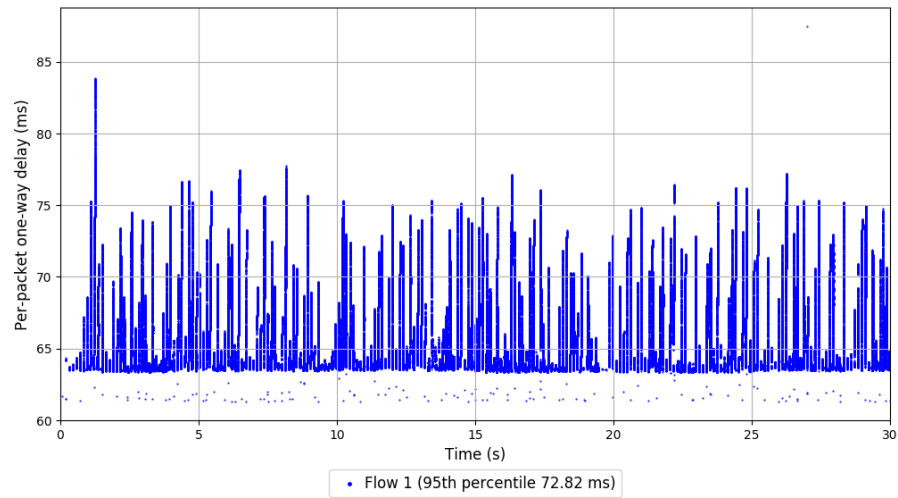
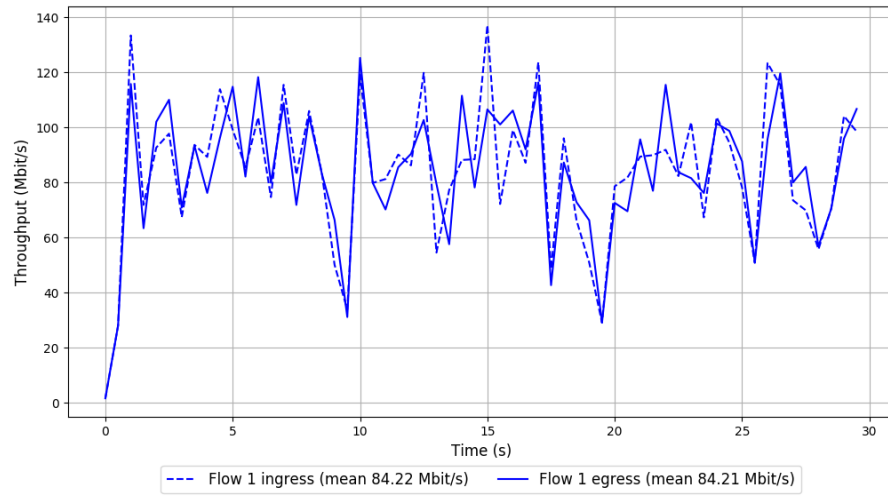
-- Flow 1:

Average throughput: 84.21 Mbit/s

95th percentile per-packet one-way delay: 72.822 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-17 01:22:20

End at: 2018-01-17 01:22:50

Below is generated by plot.py at 2018-01-17 04:31:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 72.311 ms

Loss rate: 0.28%

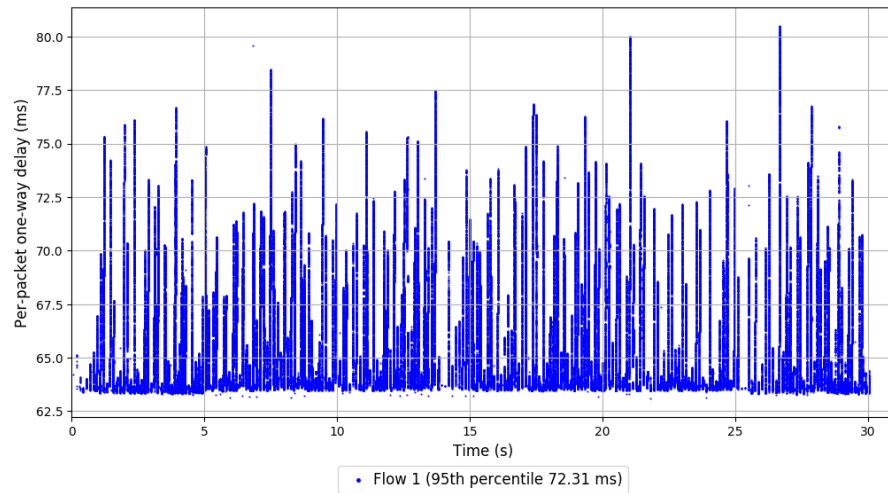
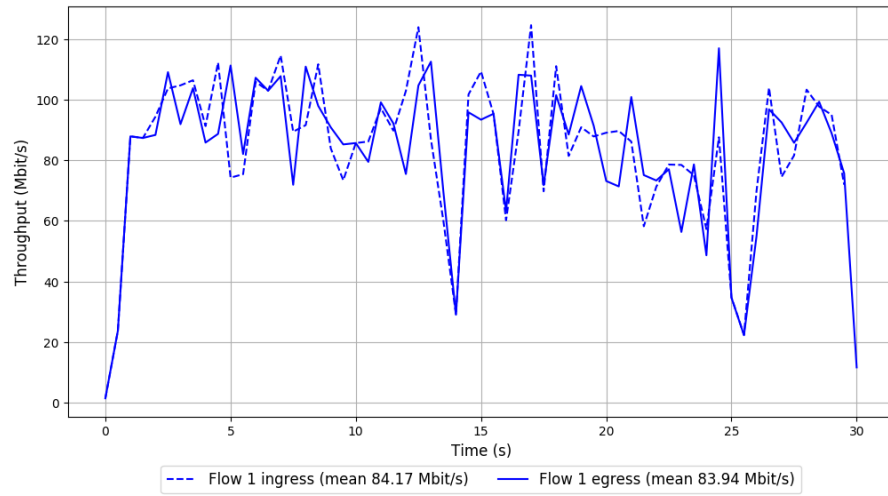
-- Flow 1:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 72.311 ms

Loss rate: 0.28%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-17 01:36:47

End at: 2018-01-17 01:37:17

Below is generated by plot.py at 2018-01-17 04:31:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 77.086 ms

Loss rate: 0.40%

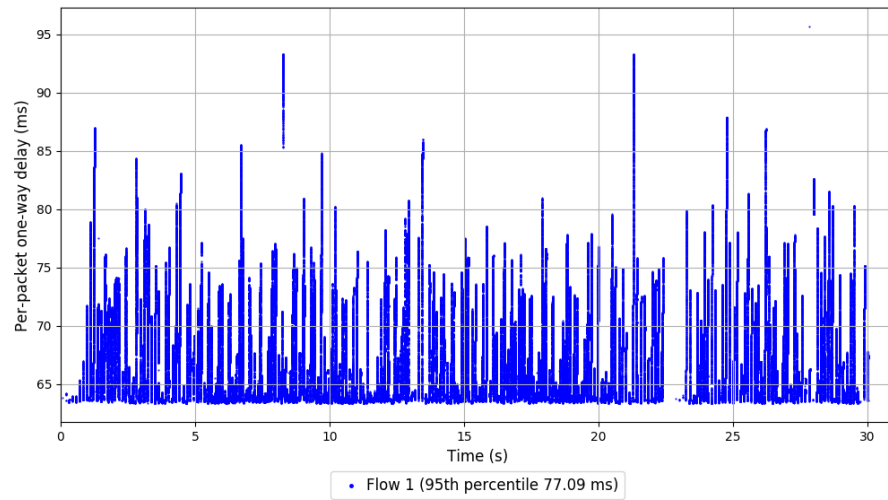
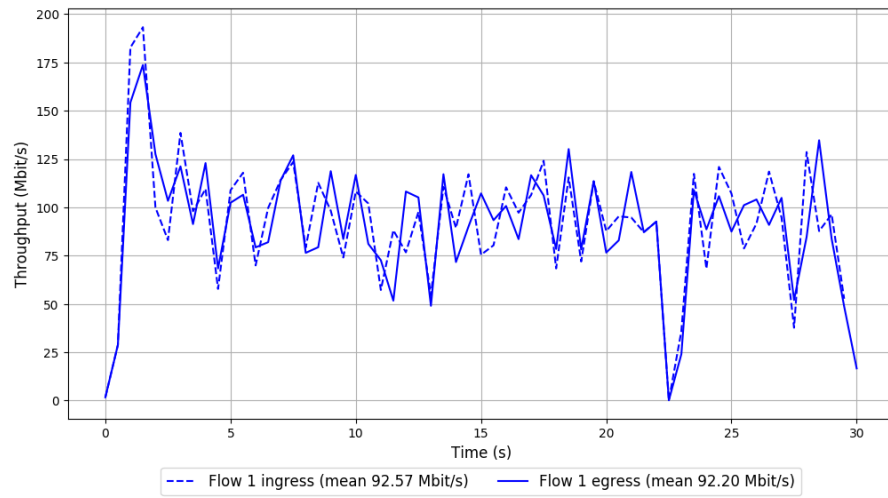
-- Flow 1:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 77.086 ms

Loss rate: 0.40%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-17 01:50:34

End at: 2018-01-17 01:51:04

Below is generated by plot.py at 2018-01-17 04:31:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 76.801 ms

Loss rate: 0.01%

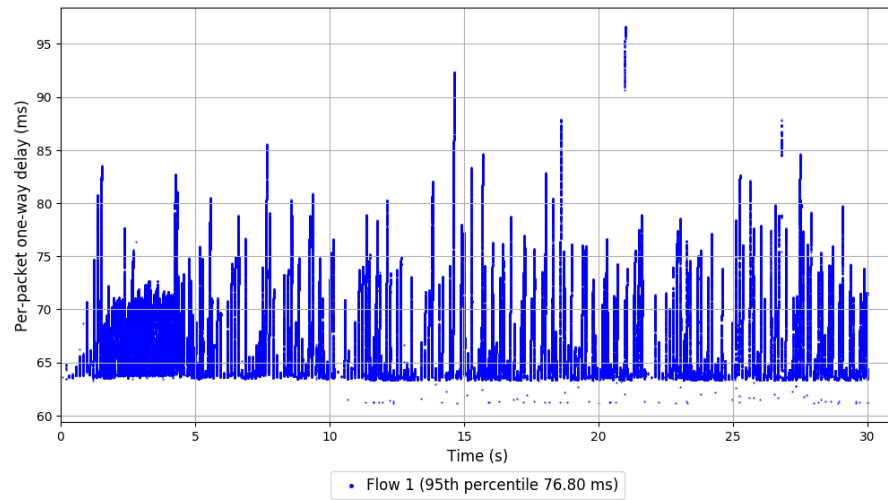
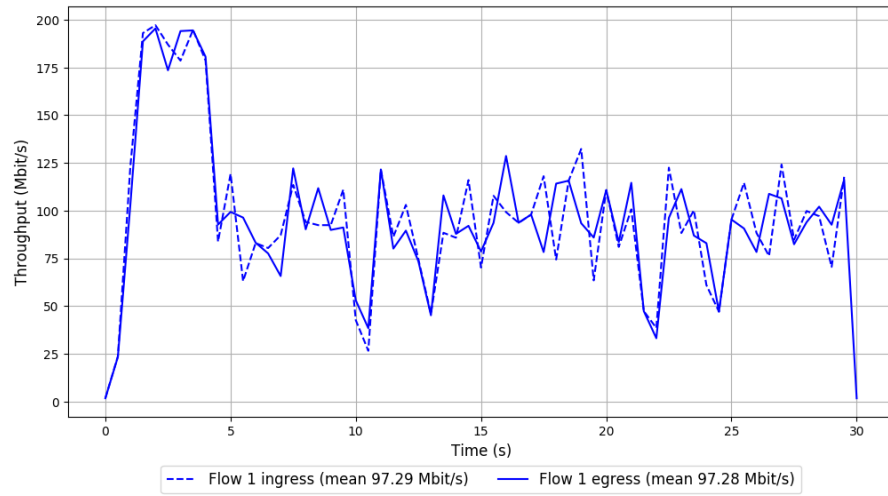
-- Flow 1:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 76.801 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-17 02:04:57

End at: 2018-01-17 02:05:27

Below is generated by plot.py at 2018-01-17 04:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.68 Mbit/s

95th percentile per-packet one-way delay: 75.680 ms

Loss rate: 0.09%

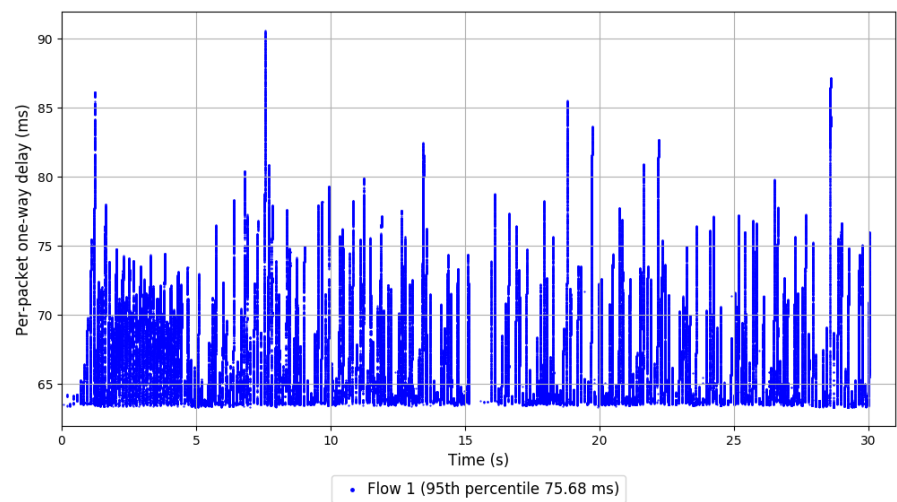
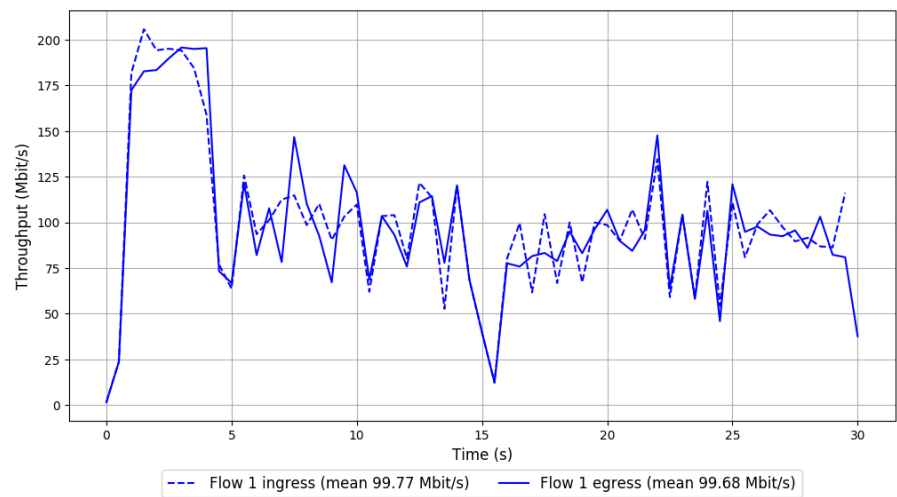
-- Flow 1:

Average throughput: 99.68 Mbit/s

95th percentile per-packet one-way delay: 75.680 ms

Loss rate: 0.09%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-17 02:19:16

End at: 2018-01-17 02:19:46

Below is generated by plot.py at 2018-01-17 04:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.48 Mbit/s

95th percentile per-packet one-way delay: 76.959 ms

Loss rate: 0.32%

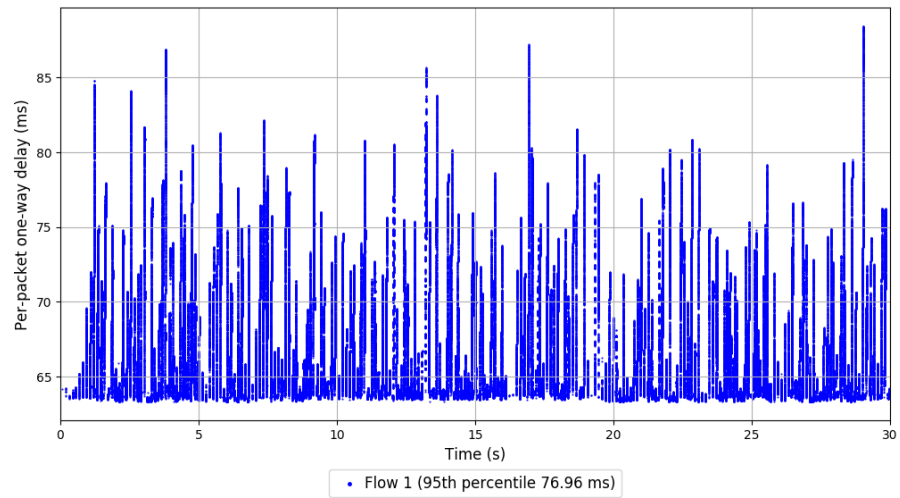
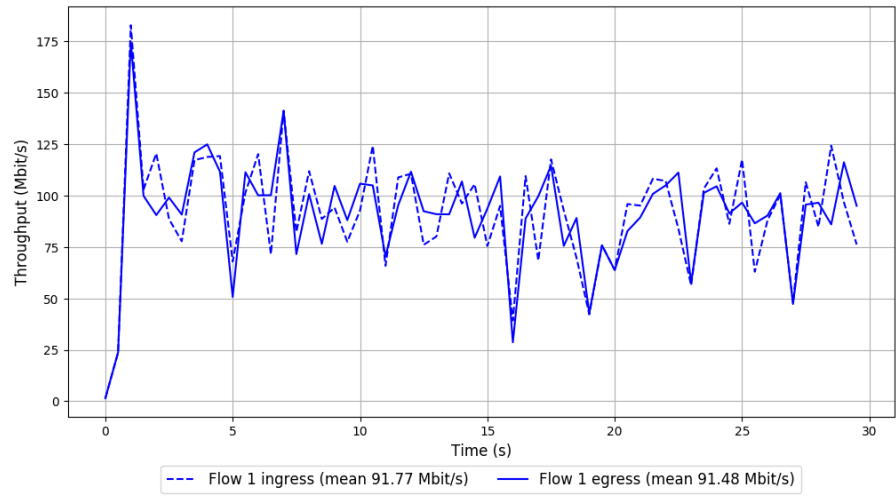
-- Flow 1:

Average throughput: 91.48 Mbit/s

95th percentile per-packet one-way delay: 76.959 ms

Loss rate: 0.32%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-17 02:33:33

End at: 2018-01-17 02:34:03

Below is generated by plot.py at 2018-01-17 04:31:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.73 Mbit/s

95th percentile per-packet one-way delay: 78.339 ms

Loss rate: 0.02%

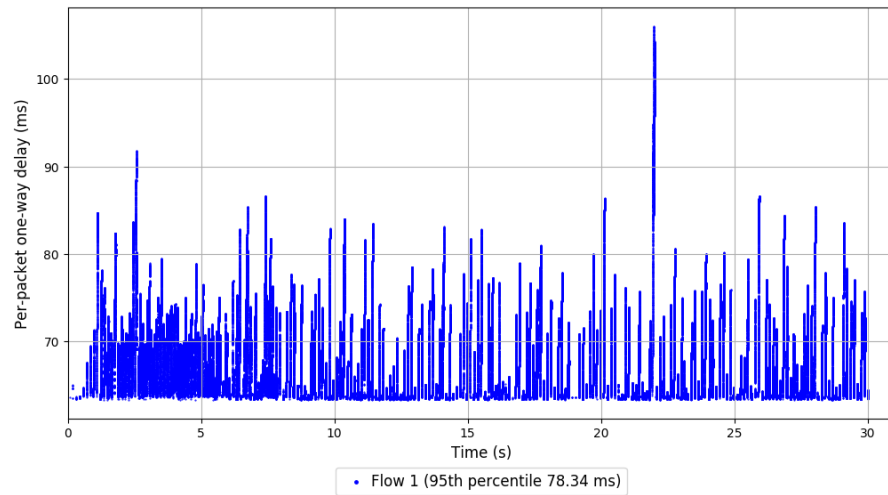
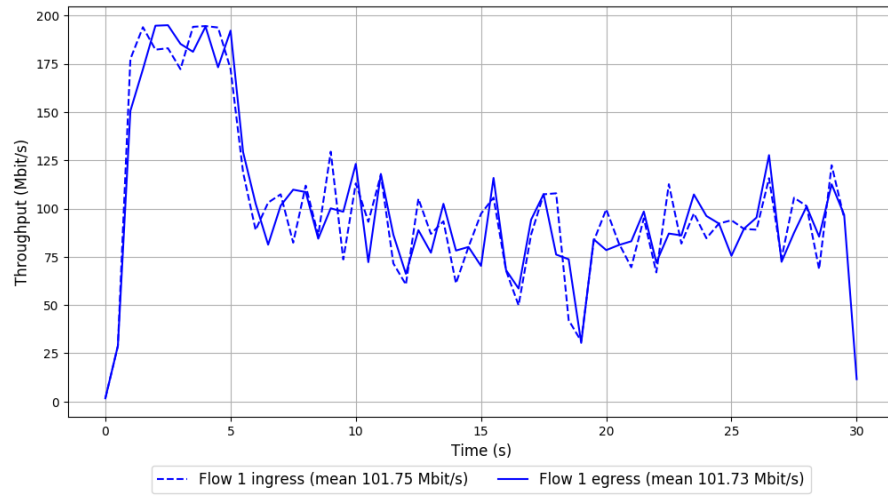
-- Flow 1:

Average throughput: 101.73 Mbit/s

95th percentile per-packet one-way delay: 78.339 ms

Loss rate: 0.02%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-17 02:47:54

End at: 2018-01-17 02:48:24

Below is generated by plot.py at 2018-01-17 04:32:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 75.131 ms

Loss rate: 0.79%

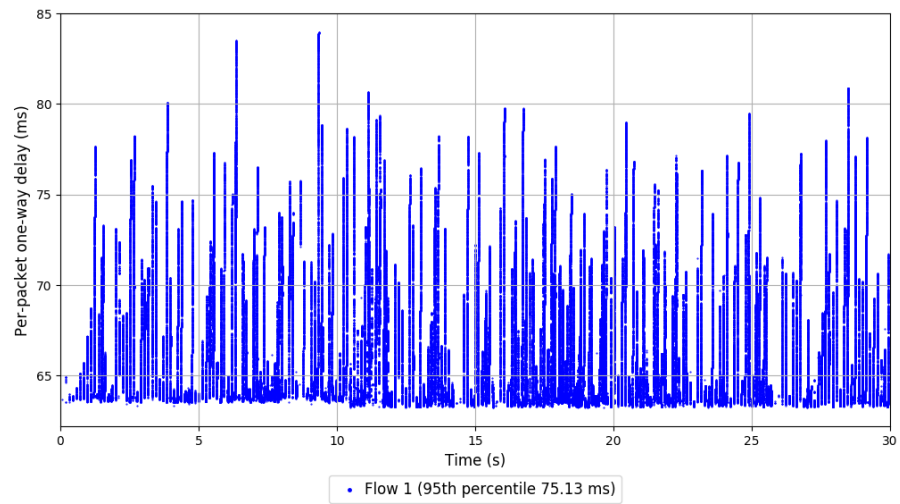
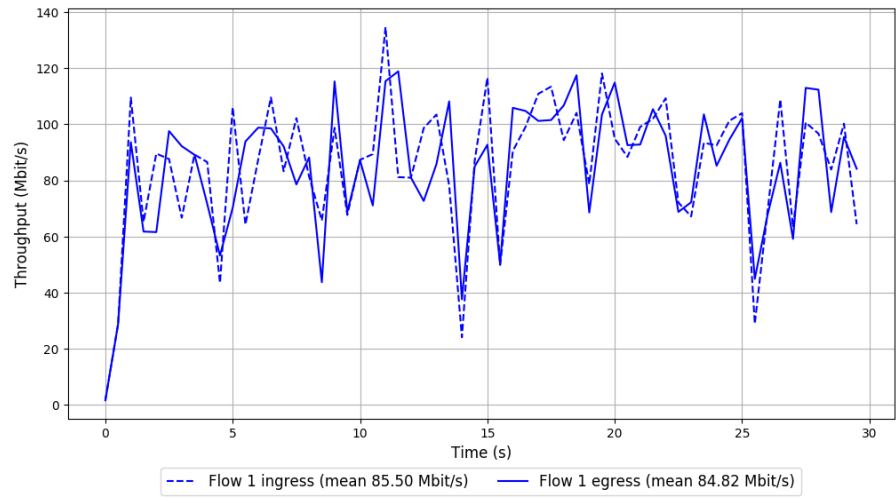
-- Flow 1:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 75.131 ms

Loss rate: 0.79%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-17 03:02:20

End at: 2018-01-17 03:02:50

Below is generated by plot.py at 2018-01-17 04:32:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 77.715 ms

Loss rate: 0.00%

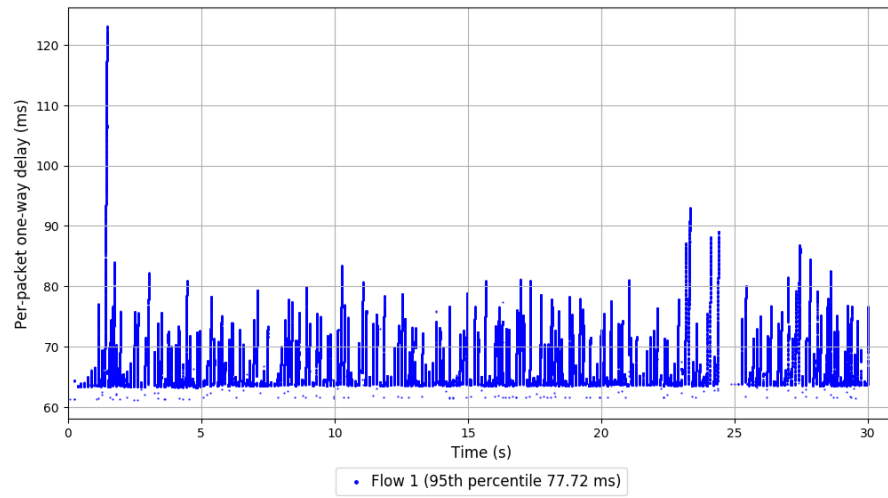
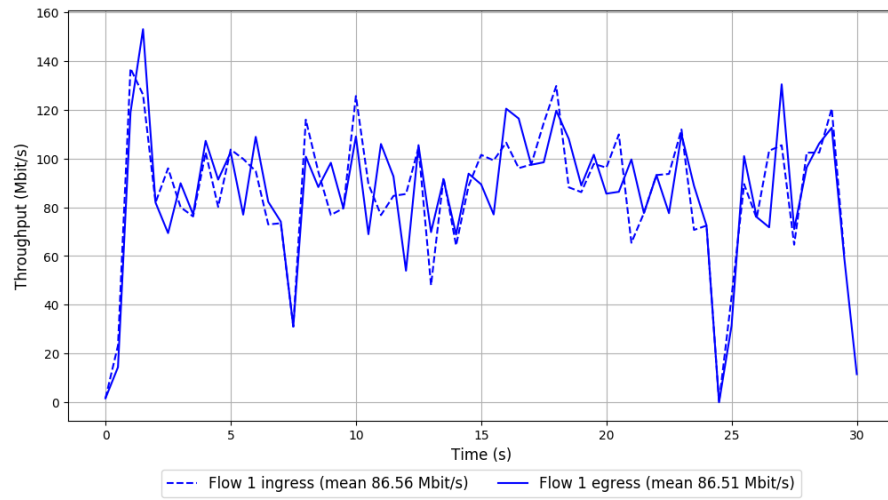
-- Flow 1:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 77.715 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-17 00:52:49

End at: 2018-01-17 00:53:19

Below is generated by plot.py at 2018-01-17 04:32:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.77 Mbit/s

95th percentile per-packet one-way delay: 64.633 ms

Loss rate: 0.11%

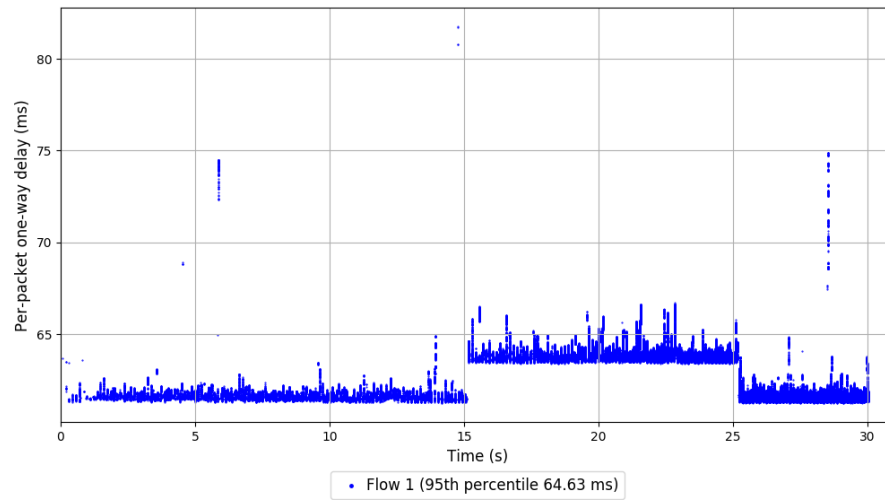
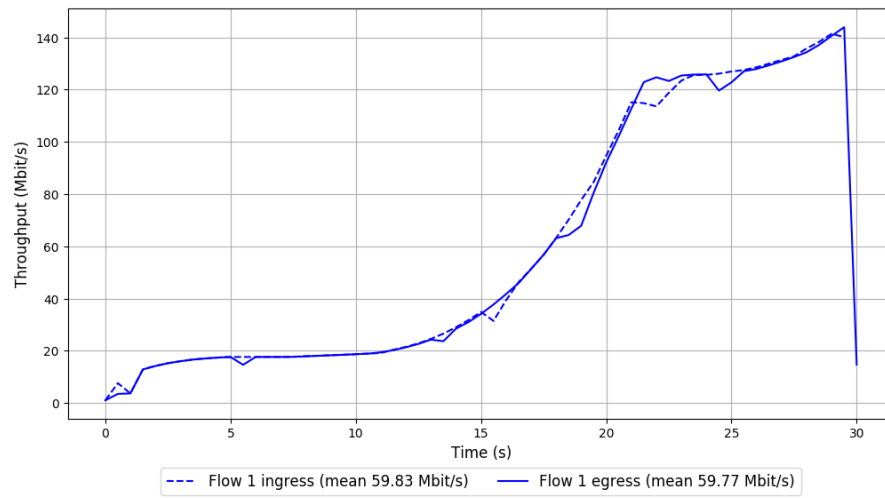
-- Flow 1:

Average throughput: 59.77 Mbit/s

95th percentile per-packet one-way delay: 64.633 ms

Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-17 01:06:56

End at: 2018-01-17 01:07:26

Below is generated by plot.py at 2018-01-17 04:33:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.08 Mbit/s

95th percentile per-packet one-way delay: 72.919 ms

Loss rate: 0.00%

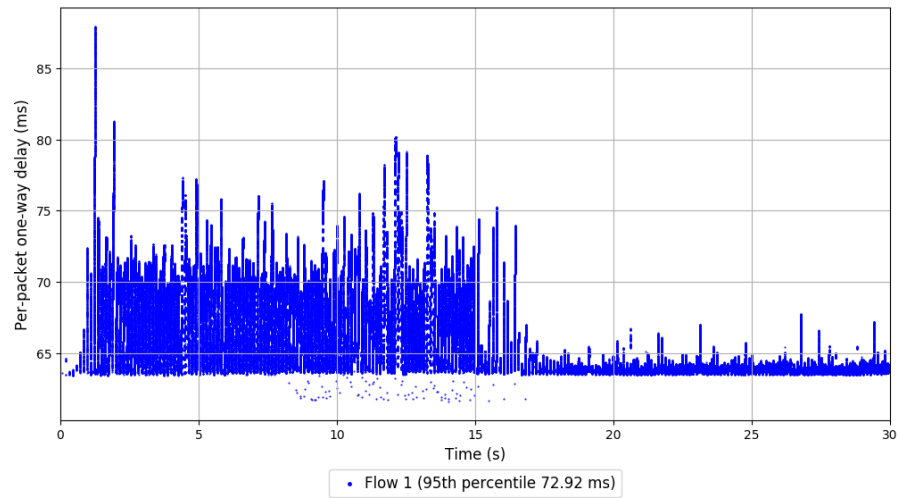
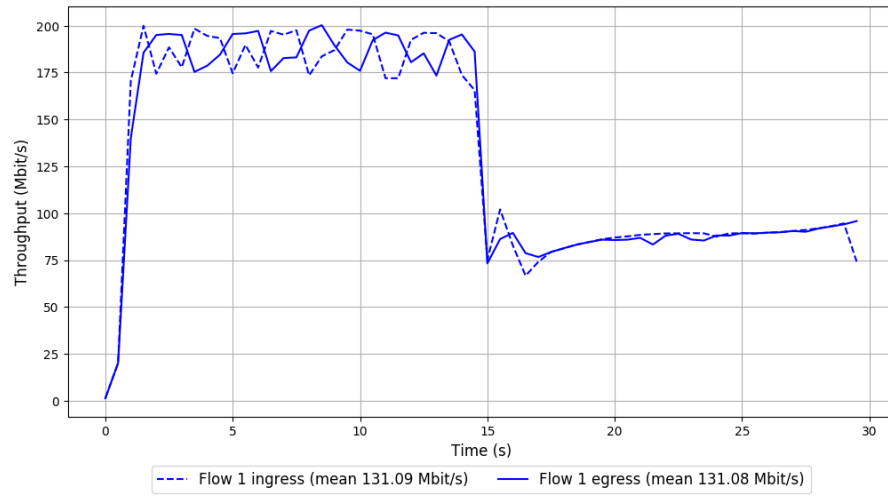
-- Flow 1:

Average throughput: 131.08 Mbit/s

95th percentile per-packet one-way delay: 72.919 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-17 01:20:57

End at: 2018-01-17 01:21:27

Below is generated by plot.py at 2018-01-17 04:33:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.09 Mbit/s

95th percentile per-packet one-way delay: 71.399 ms

Loss rate: 0.00%

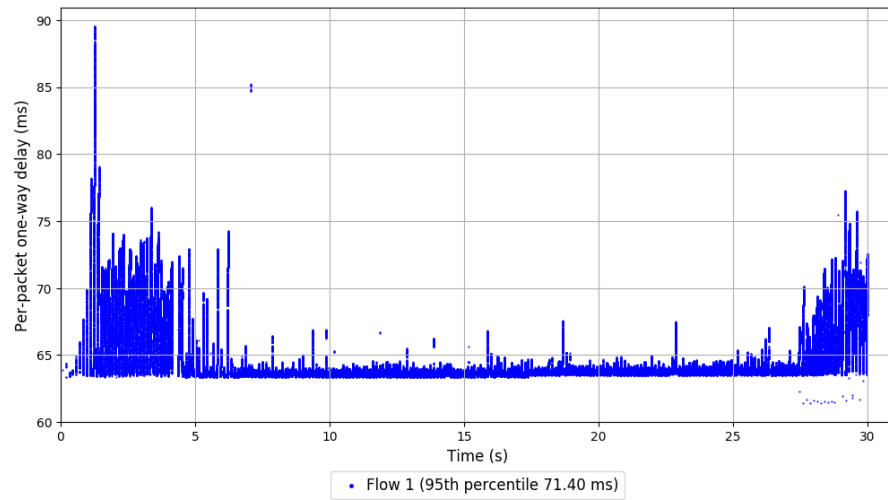
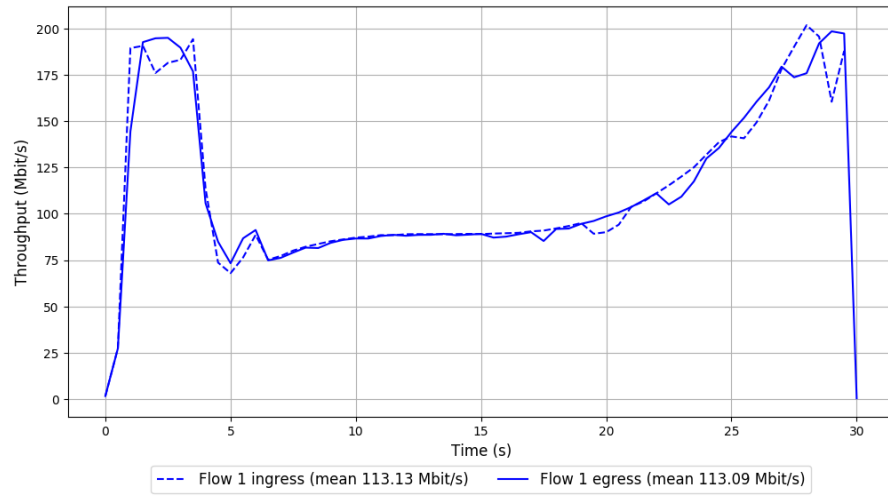
-- Flow 1:

Average throughput: 113.09 Mbit/s

95th percentile per-packet one-way delay: 71.399 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-17 01:35:26

End at: 2018-01-17 01:35:56

Below is generated by plot.py at 2018-01-17 04:33:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.09 Mbit/s

95th percentile per-packet one-way delay: 71.945 ms

Loss rate: 0.01%

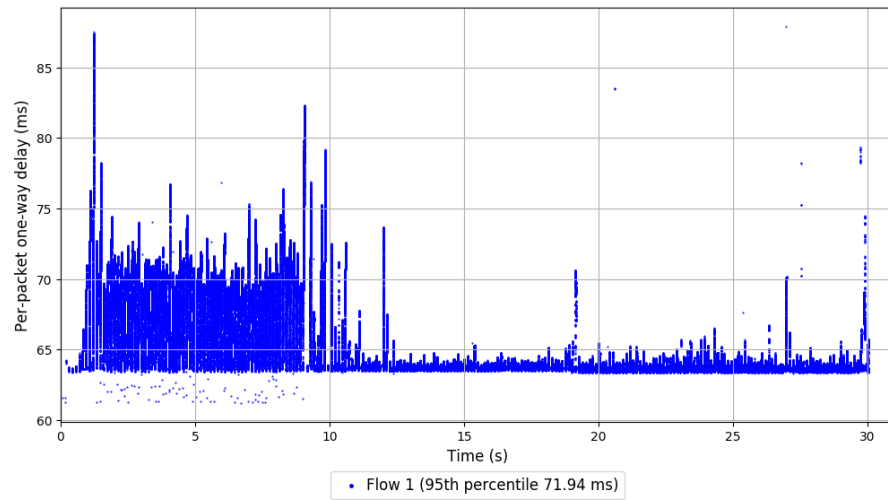
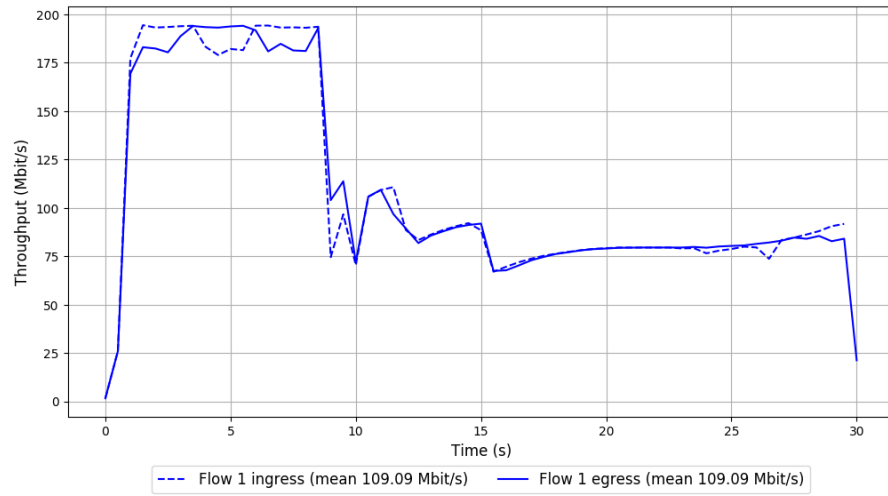
-- Flow 1:

Average throughput: 109.09 Mbit/s

95th percentile per-packet one-way delay: 71.945 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-17 01:49:13

End at: 2018-01-17 01:49:43

Below is generated by plot.py at 2018-01-17 04:33:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.56 Mbit/s

95th percentile per-packet one-way delay: 71.585 ms

Loss rate: 0.00%

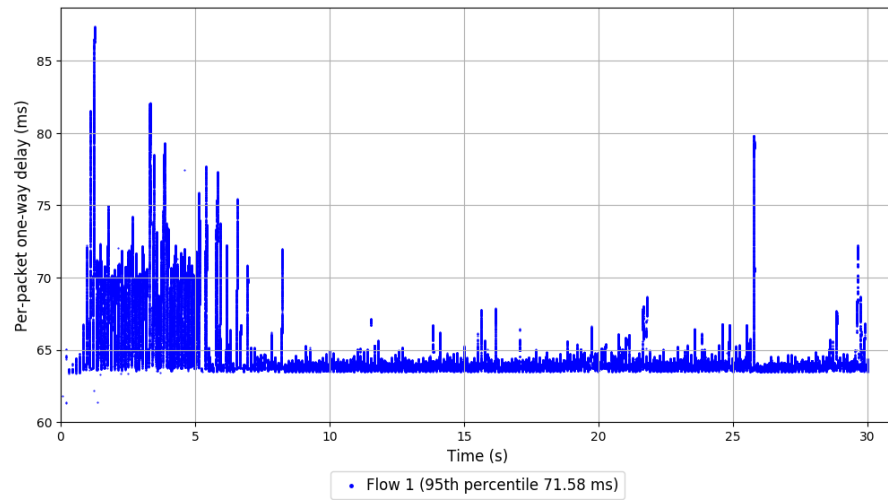
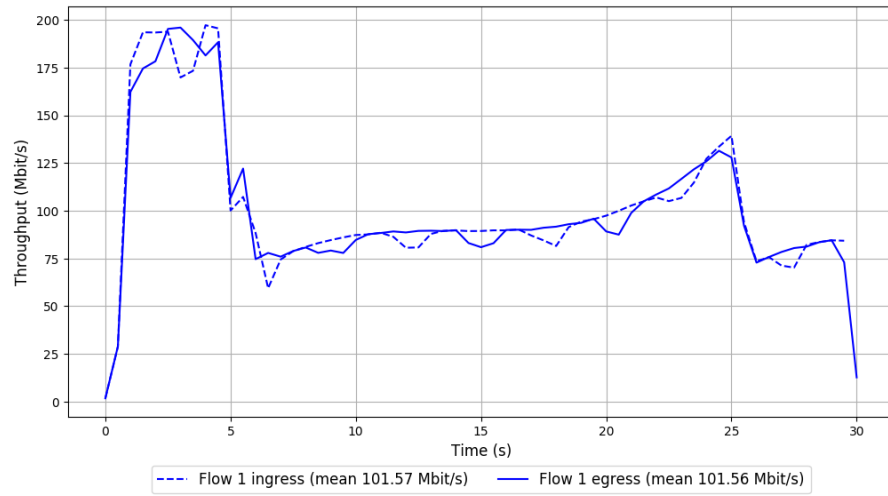
-- Flow 1:

Average throughput: 101.56 Mbit/s

95th percentile per-packet one-way delay: 71.585 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-17 02:03:31

End at: 2018-01-17 02:04:01

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.81 Mbit/s

95th percentile per-packet one-way delay: 72.720 ms

Loss rate: 0.00%

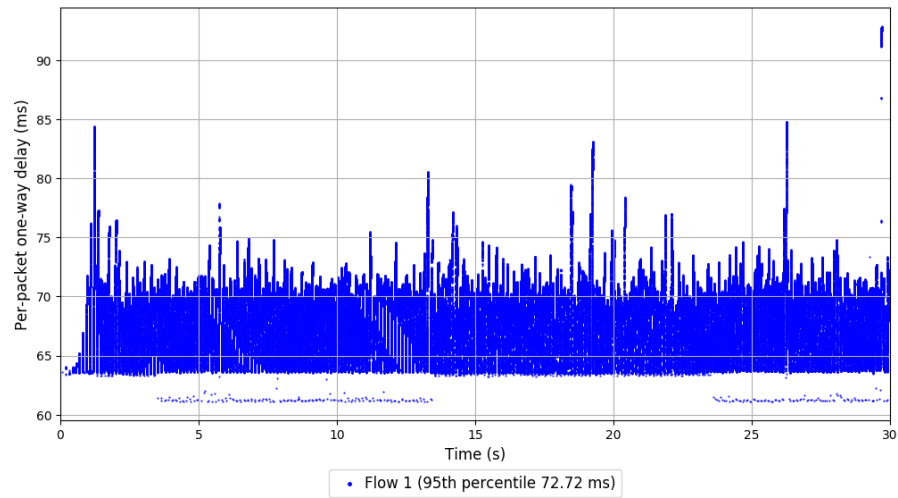
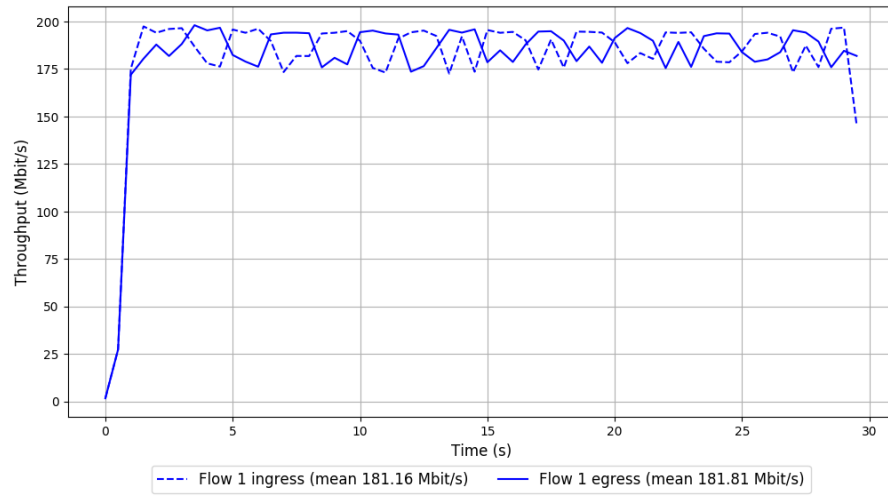
-- Flow 1:

Average throughput: 181.81 Mbit/s

95th percentile per-packet one-way delay: 72.720 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-17 02:17:55

End at: 2018-01-17 02:18:25

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.66 Mbit/s

95th percentile per-packet one-way delay: 69.561 ms

Loss rate: 0.53%

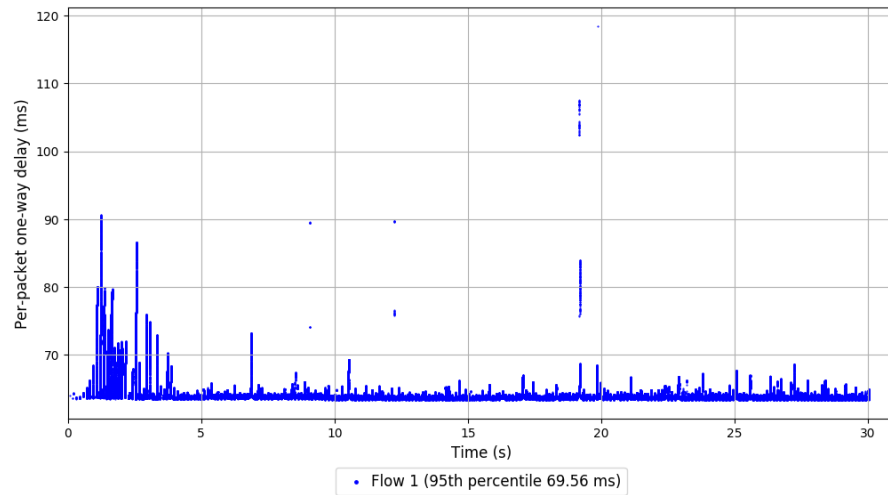
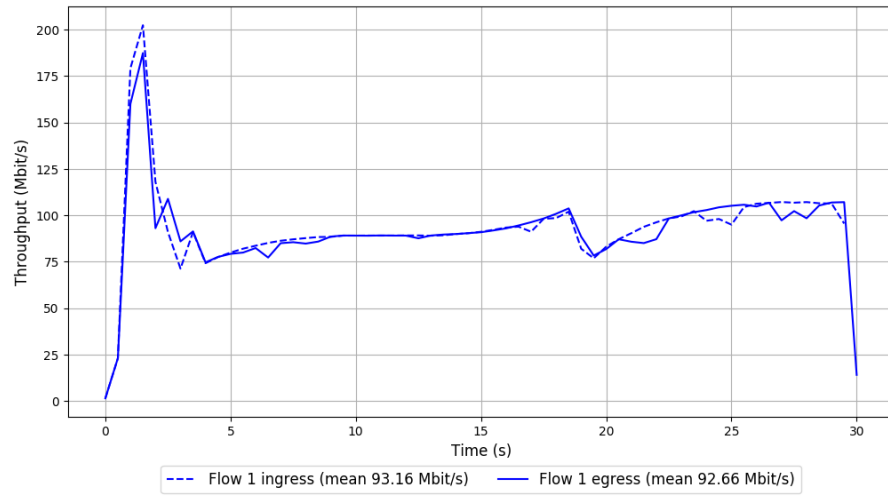
-- Flow 1:

Average throughput: 92.66 Mbit/s

95th percentile per-packet one-way delay: 69.561 ms

Loss rate: 0.53%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-17 02:32:15

End at: 2018-01-17 02:32:45

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 65.150 ms

Loss rate: 0.23%

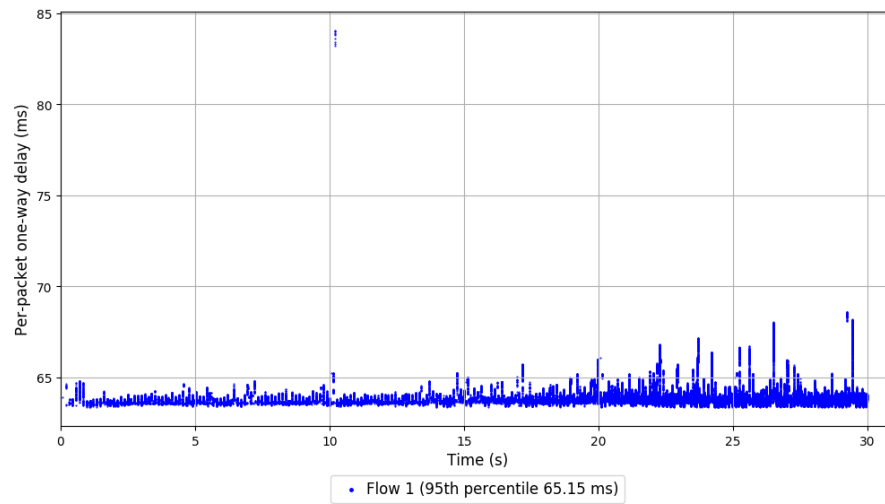
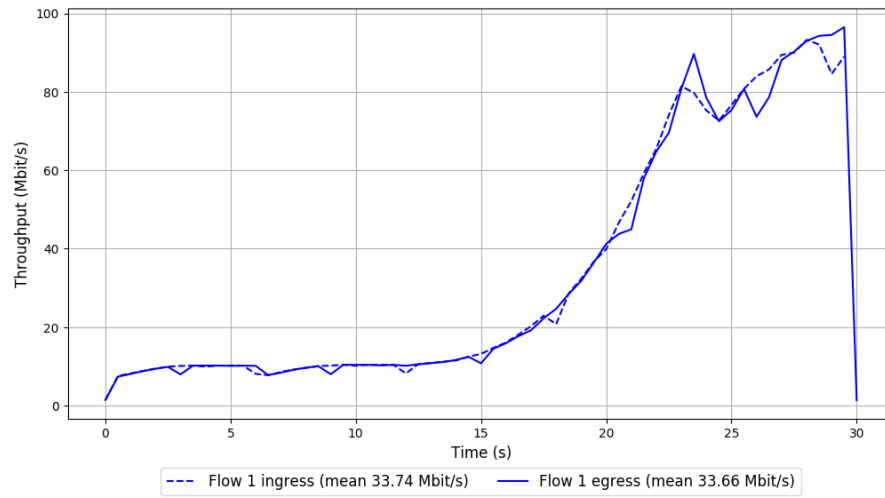
-- Flow 1:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 65.150 ms

Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-17 02:46:34

End at: 2018-01-17 02:47:04

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 70.776 ms

Loss rate: 0.28%

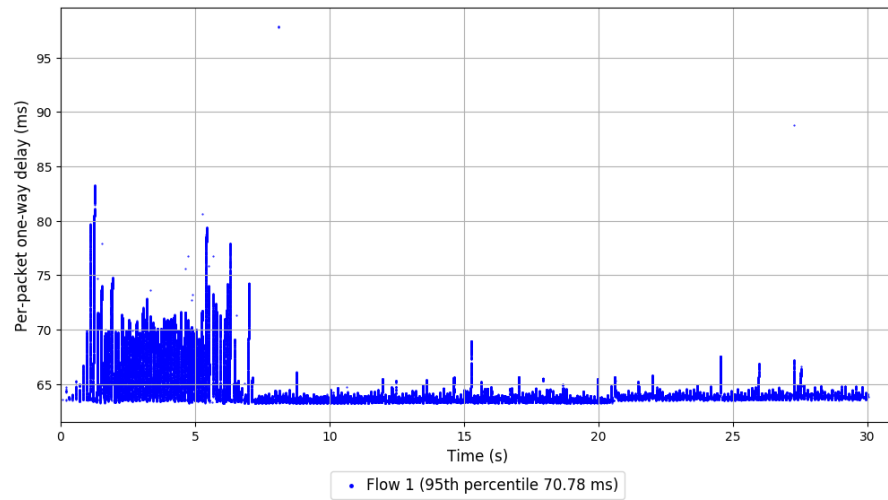
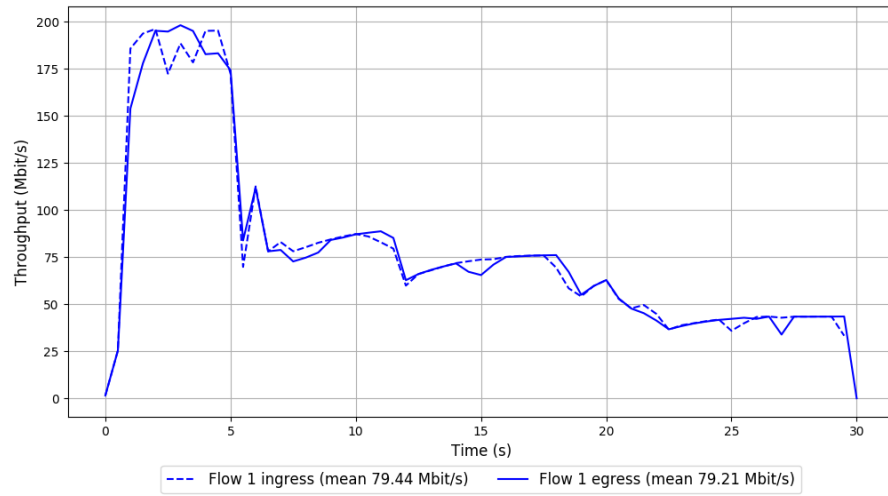
-- Flow 1:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 70.776 ms

Loss rate: 0.28%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-17 03:01:02

End at: 2018-01-17 03:01:33

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.42 Mbit/s

95th percentile per-packet one-way delay: 64.802 ms

Loss rate: 0.34%

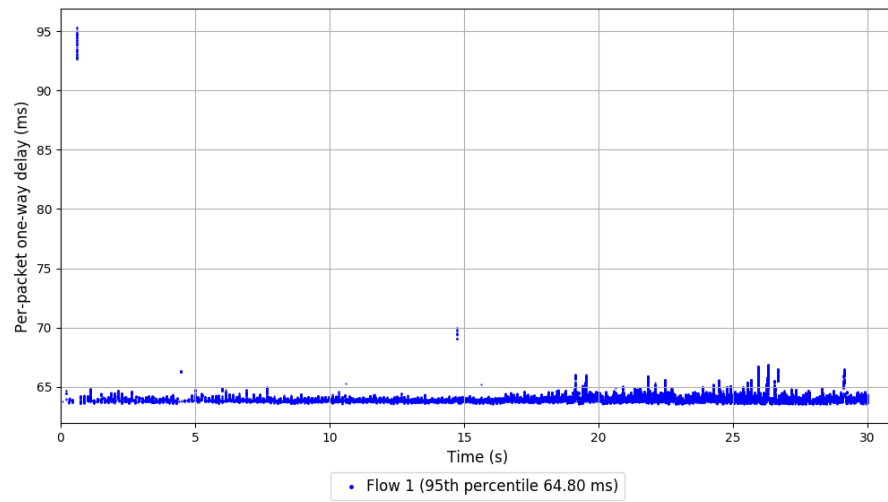
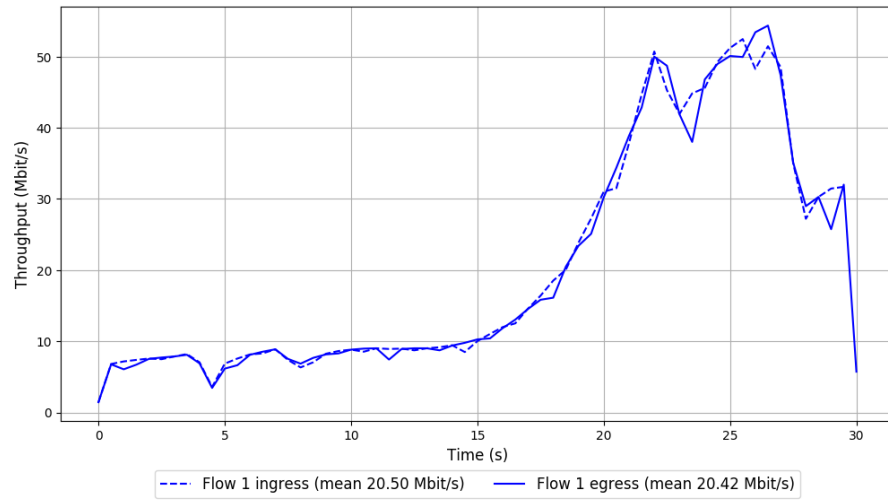
-- Flow 1:

Average throughput: 20.42 Mbit/s

95th percentile per-packet one-way delay: 64.802 ms

Loss rate: 0.34%

Run 10: Report of TCP Cubic — Data Link

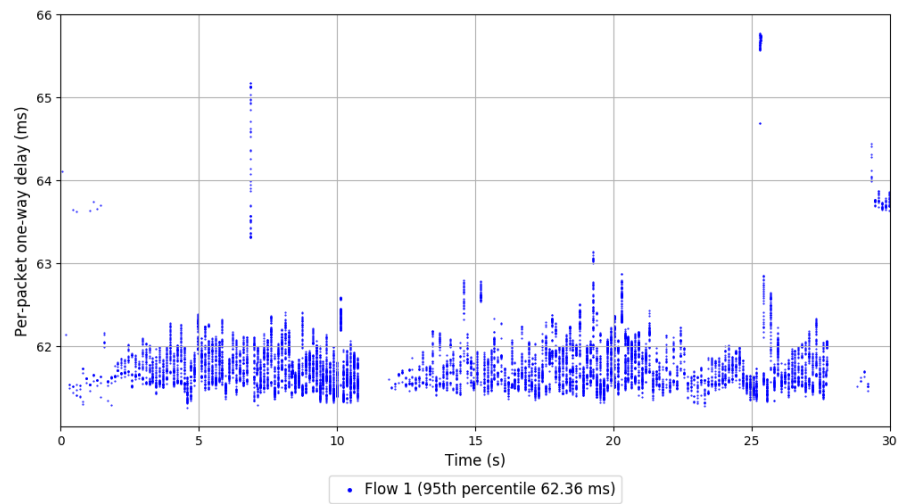
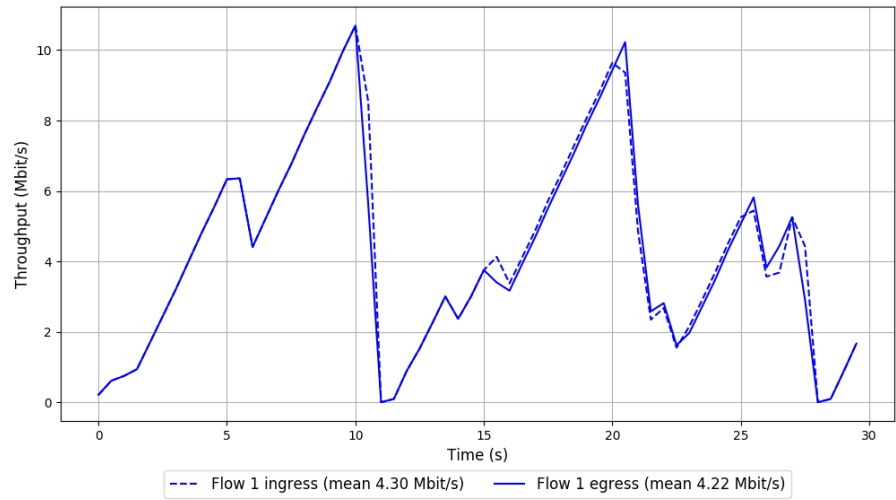


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-17 00:44:05
End at: 2018-01-17 00:44:35

# Below is generated by plot.py at 2018-01-17 04:34:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 62.362 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 62.362 ms
Loss rate: 1.73%
```


Run 1: Report of LEDBAT — Data Link

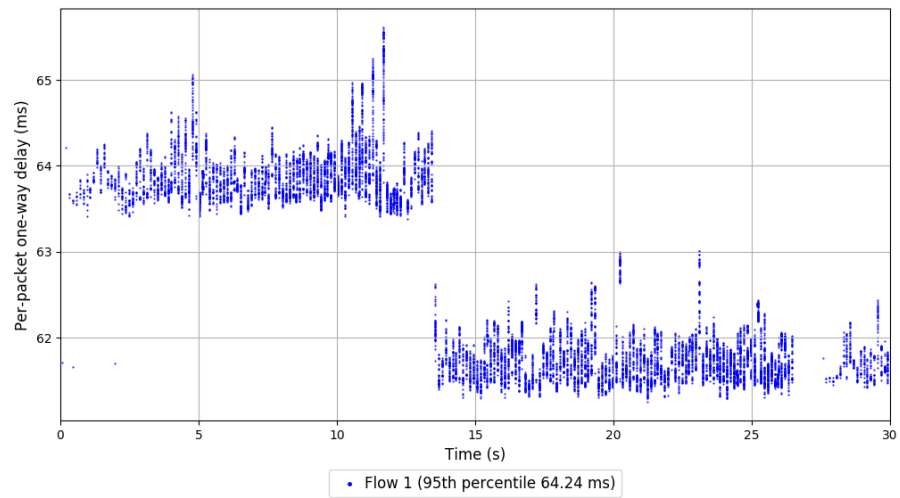
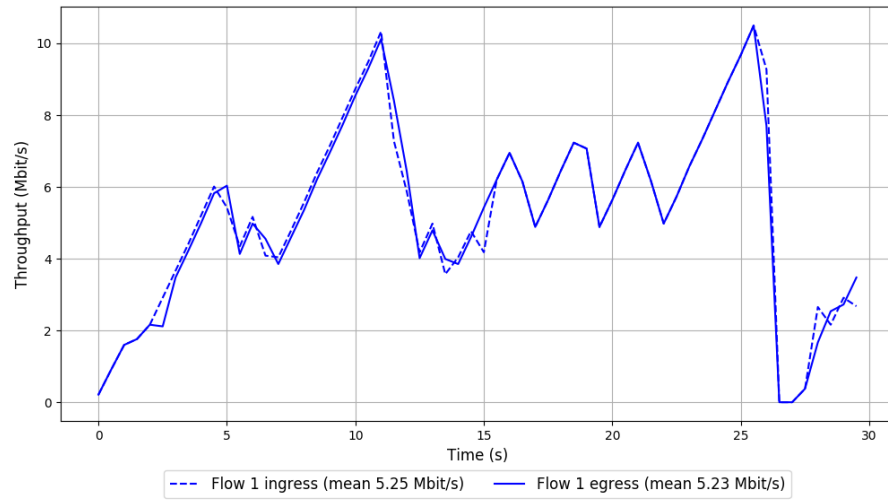


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-17 00:58:21
End at: 2018-01-17 00:58:51

# Below is generated by plot.py at 2018-01-17 04:34:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 64.238 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 64.238 ms
Loss rate: 0.50%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-17 01:12:34

End at: 2018-01-17 01:13:04

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 64.311 ms

Loss rate: 0.00%

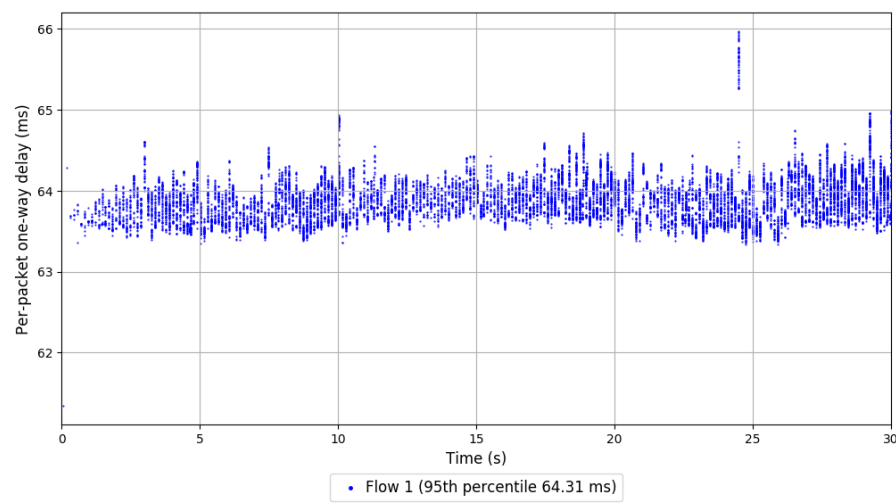
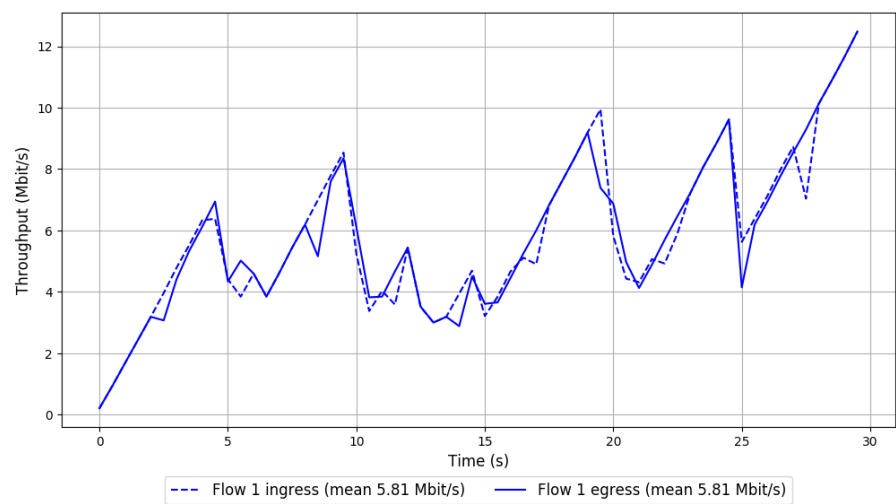
-- Flow 1:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 64.311 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-17 01:26:41

End at: 2018-01-17 01:27:11

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.30 Mbit/s

95th percentile per-packet one-way delay: 64.339 ms

Loss rate: 0.03%

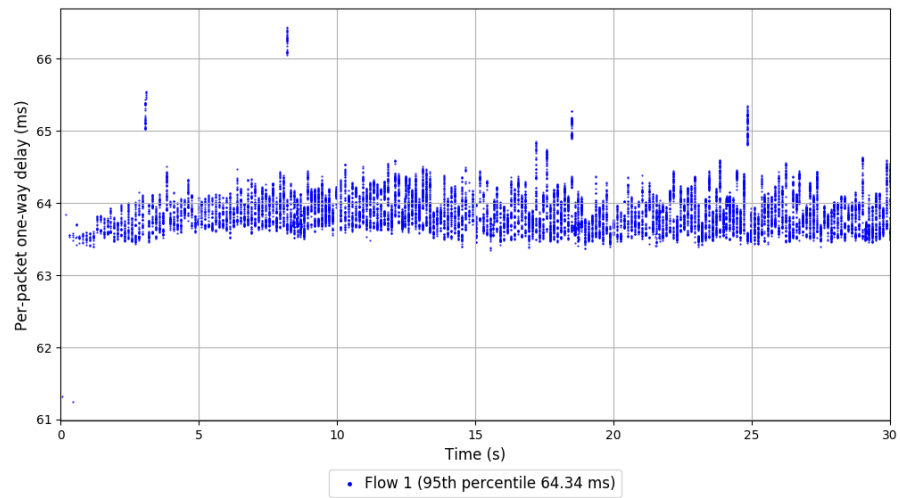
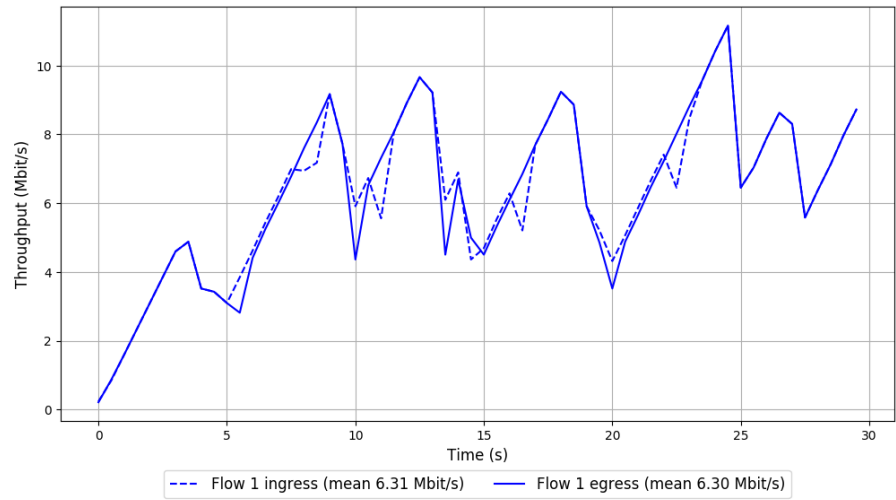
-- Flow 1:

Average throughput: 6.30 Mbit/s

95th percentile per-packet one-way delay: 64.339 ms

Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-17 01:40:46

End at: 2018-01-17 01:41:16

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 64.513 ms

Loss rate: 2.94%

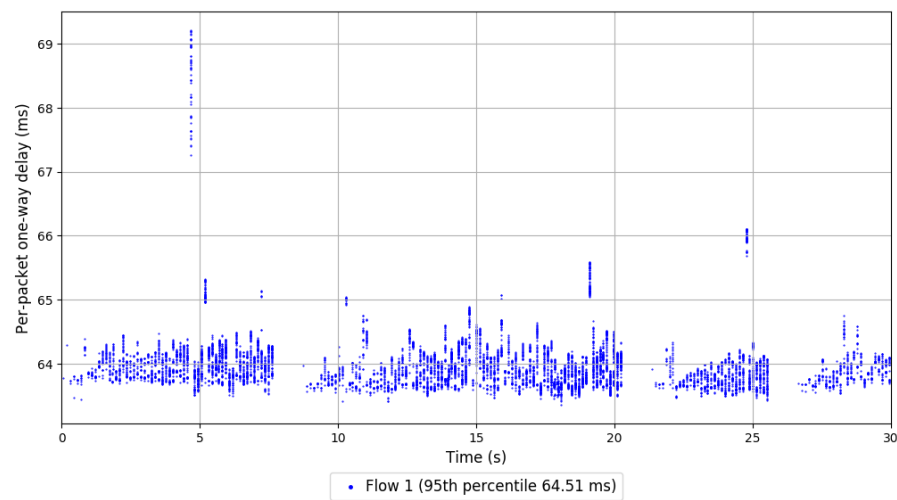
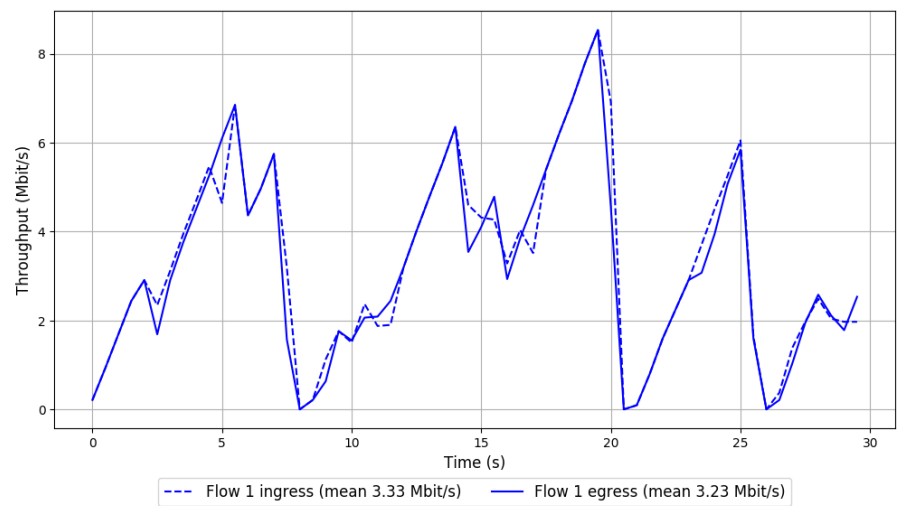
-- Flow 1:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 64.513 ms

Loss rate: 2.94%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-17 01:54:55

End at: 2018-01-17 01:55:25

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 64.621 ms

Loss rate: 0.24%

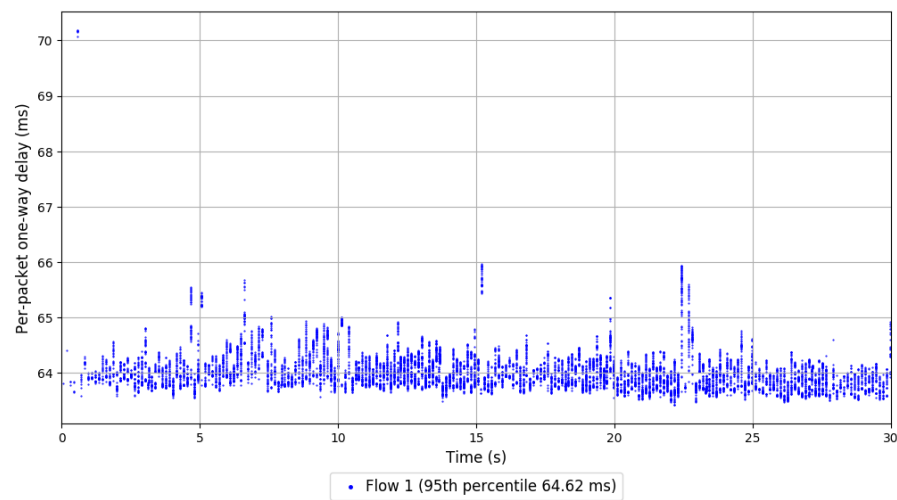
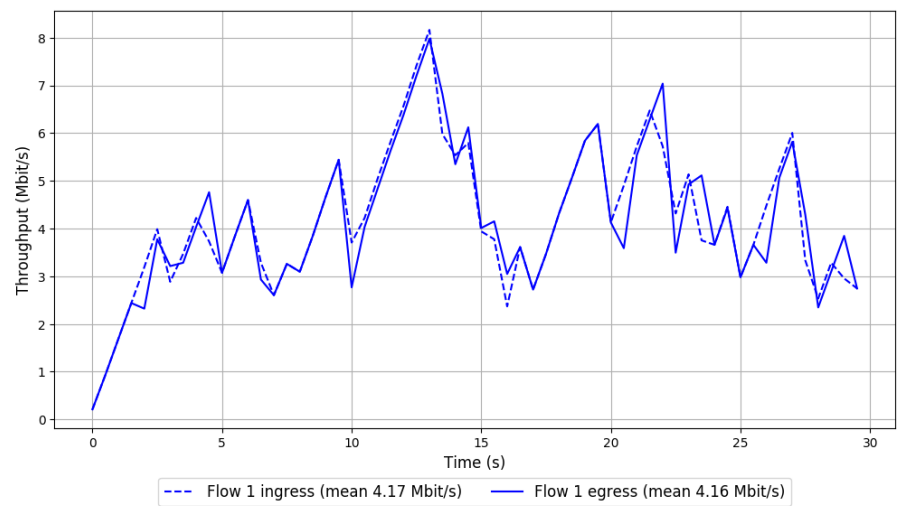
-- Flow 1:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 64.621 ms

Loss rate: 0.24%

Run 6: Report of LEDBAT — Data Link

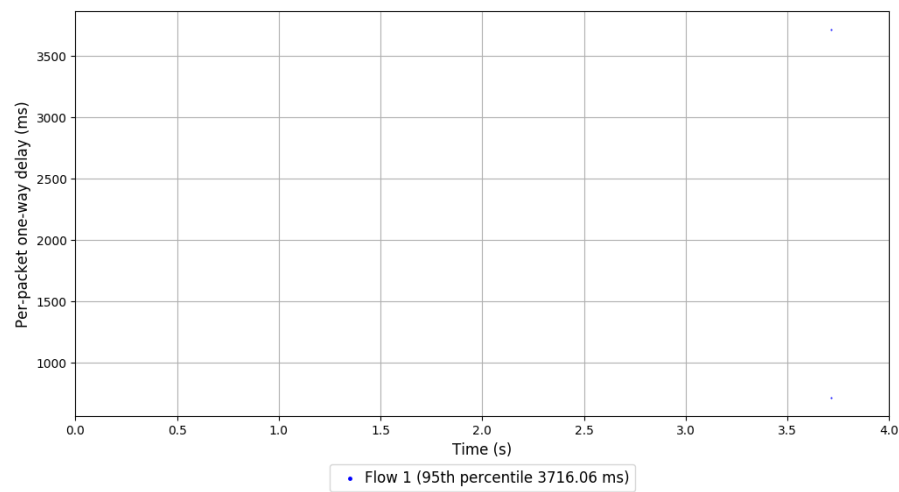
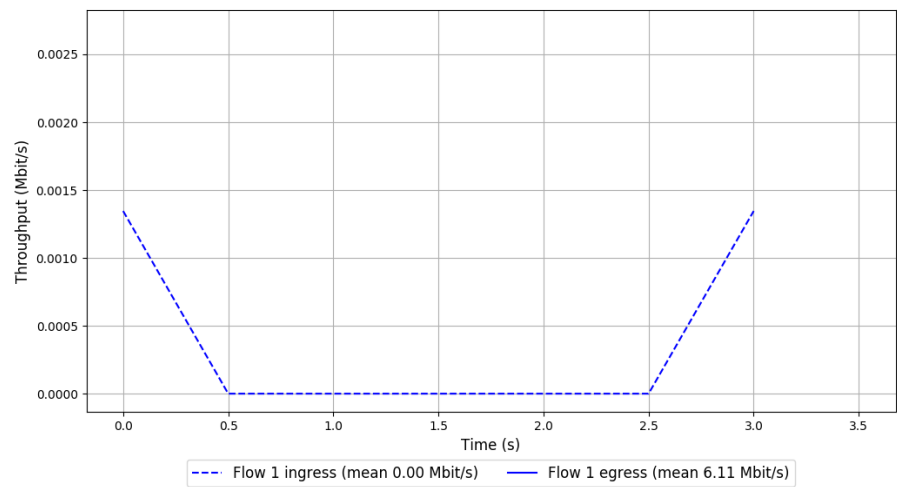


Run 7: Statistics of LEDBAT

Start at: 2018-01-17 02:09:25

End at: 2018-01-17 02:09:55

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-17 02:23:38

End at: 2018-01-17 02:24:08

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.79 Mbit/s

95th percentile per-packet one-way delay: 65.007 ms

Loss rate: 0.09%

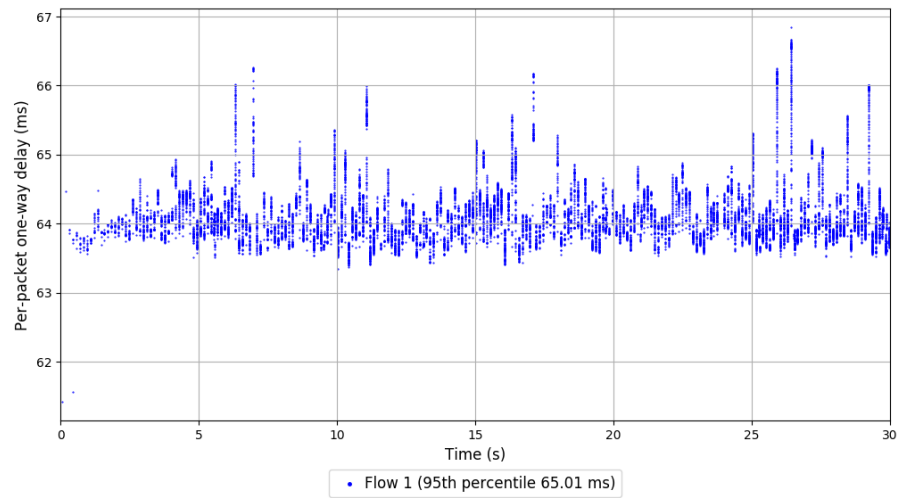
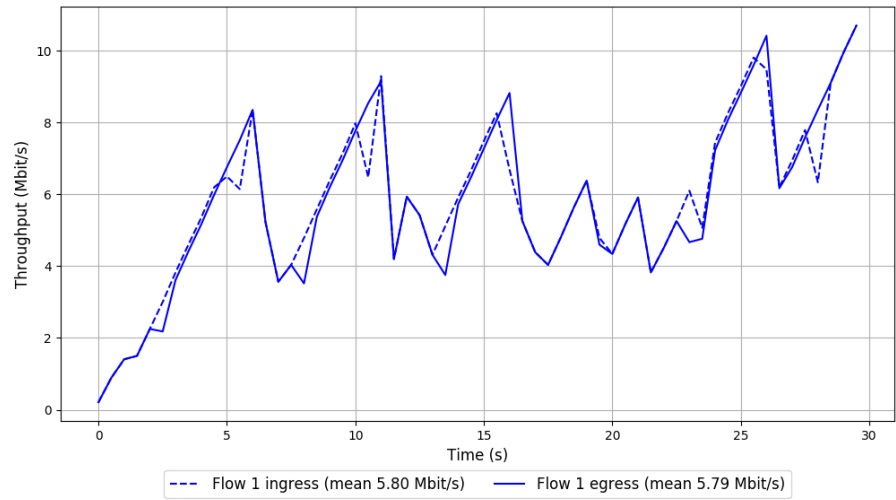
-- Flow 1:

Average throughput: 5.79 Mbit/s

95th percentile per-packet one-way delay: 65.007 ms

Loss rate: 0.09%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-17 02:37:58

End at: 2018-01-17 02:38:28

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 64.520 ms

Loss rate: 0.08%

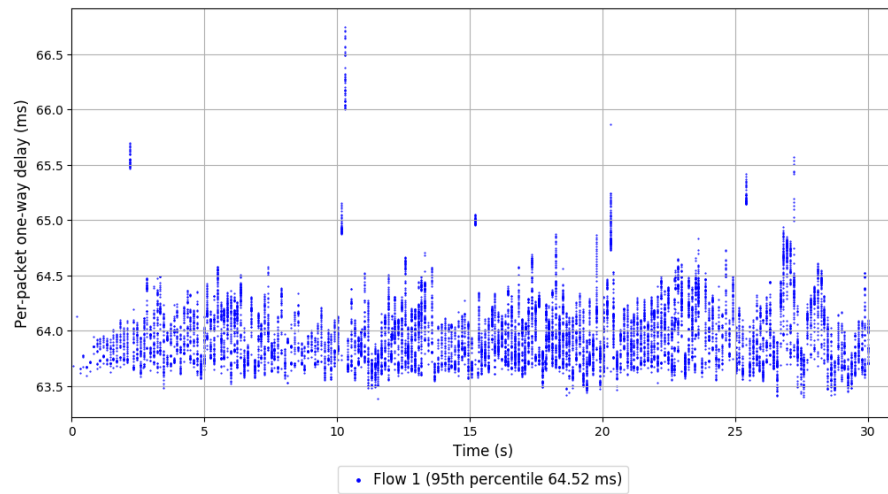
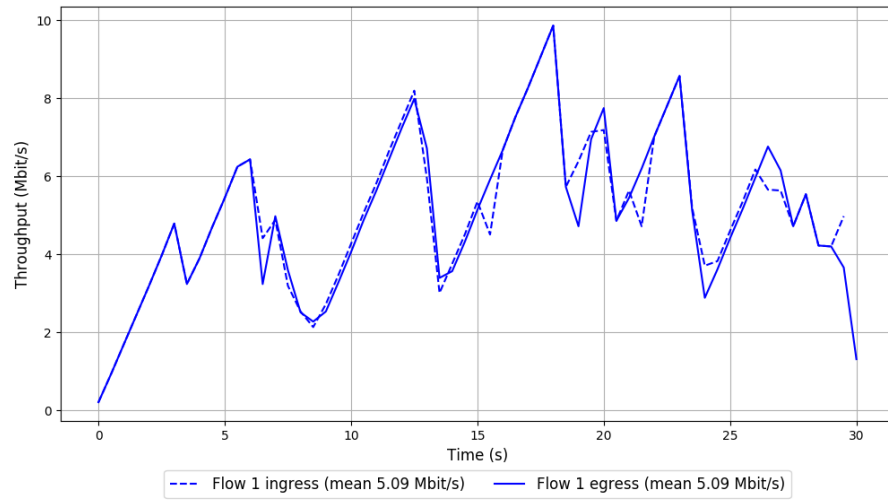
-- Flow 1:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 64.520 ms

Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-17 02:52:26

End at: 2018-01-17 02:52:56

Below is generated by plot.py at 2018-01-17 04:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 64.784 ms

Loss rate: 1.01%

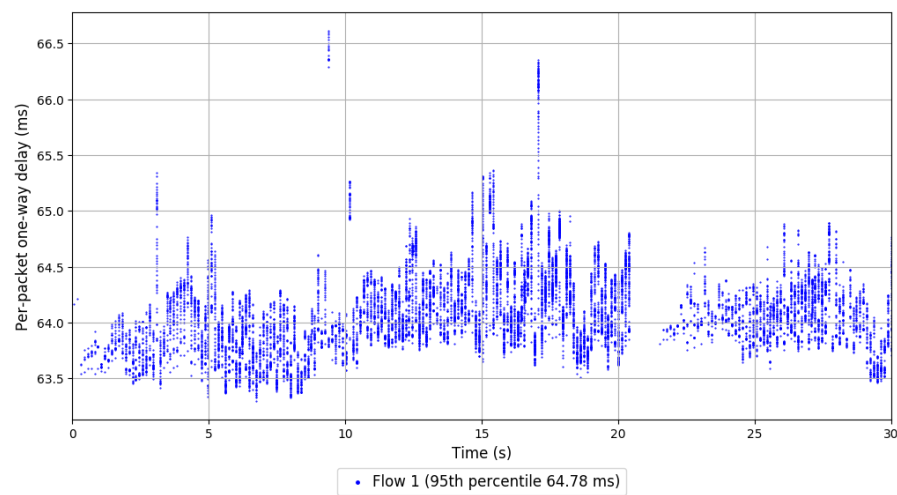
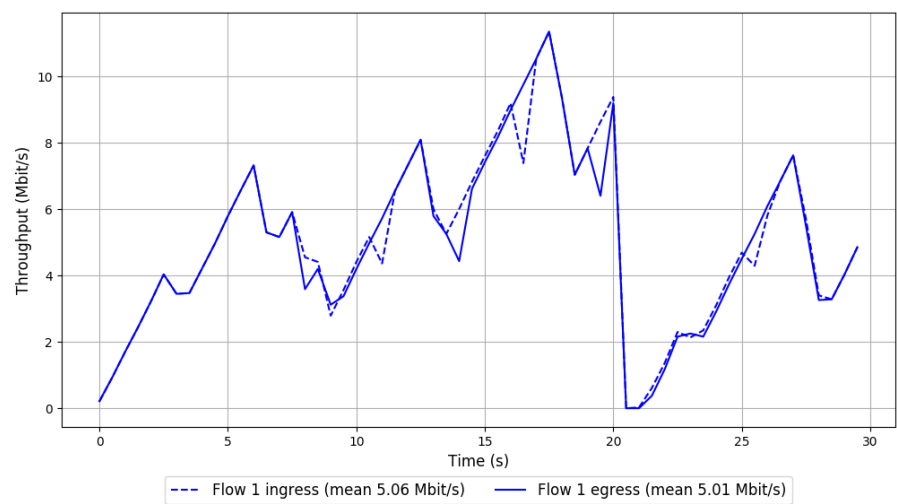
-- Flow 1:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 64.784 ms

Loss rate: 1.01%

Run 10: Report of LEDBAT — Data Link

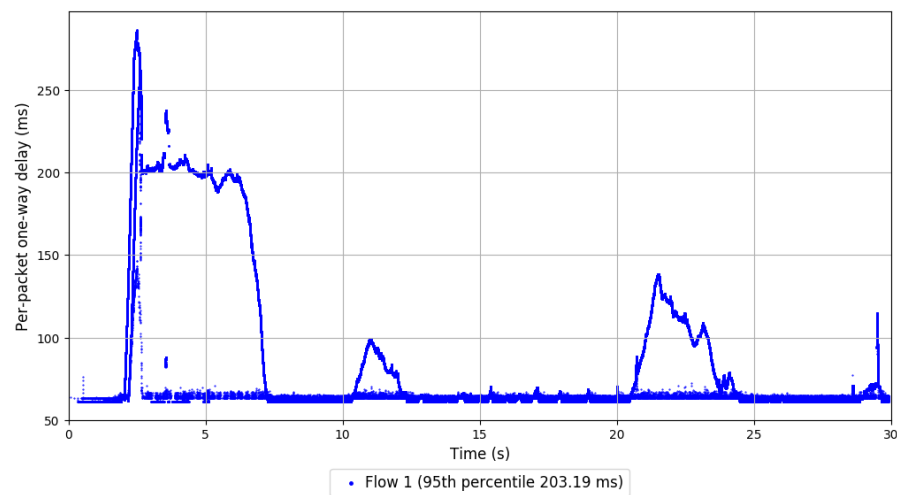
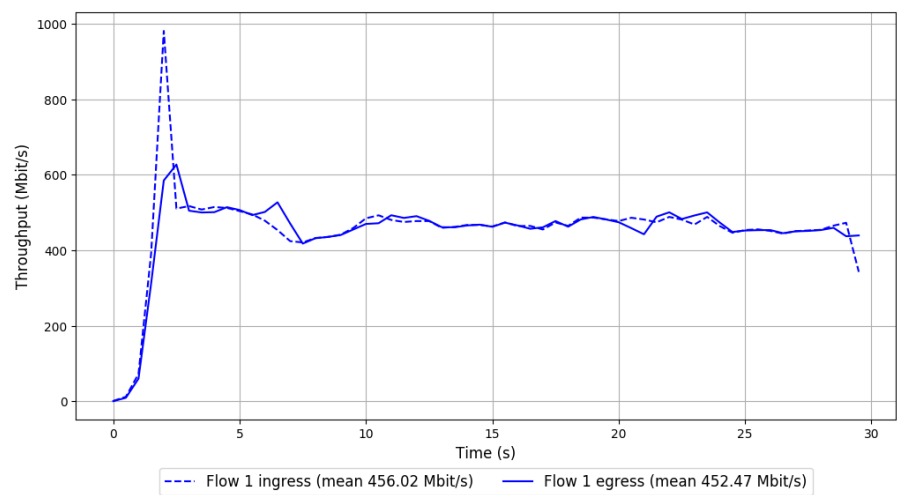


```
Run 1: Statistics of PCC

Start at: 2018-01-17 00:46:55
End at: 2018-01-17 00:47:25

# Below is generated by plot.py at 2018-01-17 04:41:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 452.47 Mbit/s
95th percentile per-packet one-way delay: 203.190 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 452.47 Mbit/s
95th percentile per-packet one-way delay: 203.190 ms
Loss rate: 0.78%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

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

End at: 2018-01-17 01:01:33

Below is generated by plot.py at 2018-01-17 04:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 454.19 Mbit/s

95th percentile per-packet one-way delay: 206.376 ms

Loss rate: 1.36%

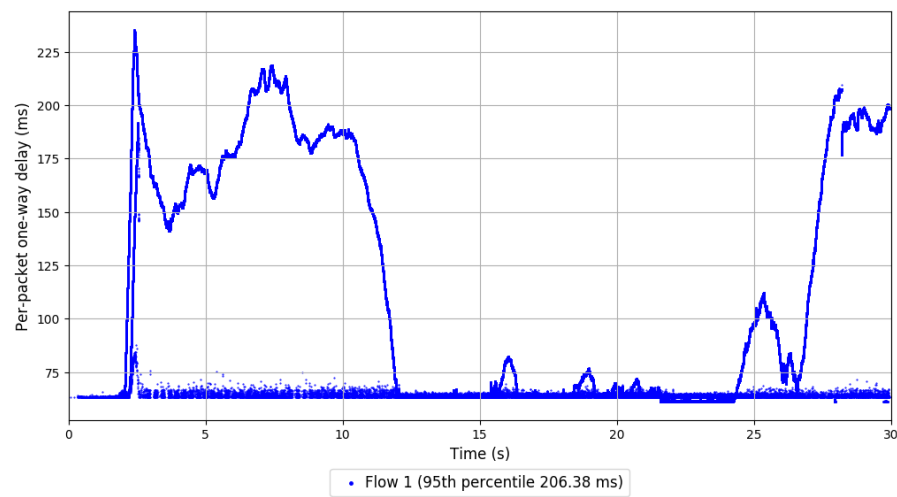
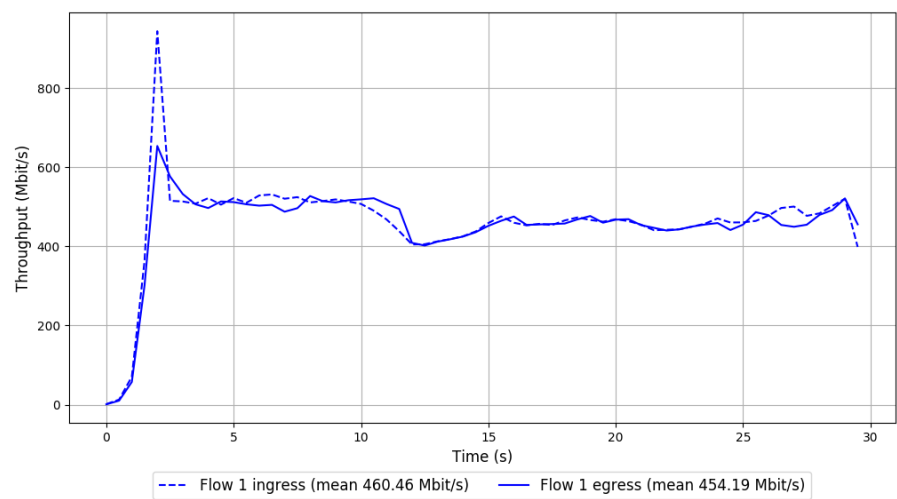
-- Flow 1:

Average throughput: 454.19 Mbit/s

95th percentile per-packet one-way delay: 206.376 ms

Loss rate: 1.36%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-17 01:15:32

End at: 2018-01-17 01:16:02

Below is generated by plot.py at 2018-01-17 04:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.60 Mbit/s

95th percentile per-packet one-way delay: 104.302 ms

Loss rate: 0.05%

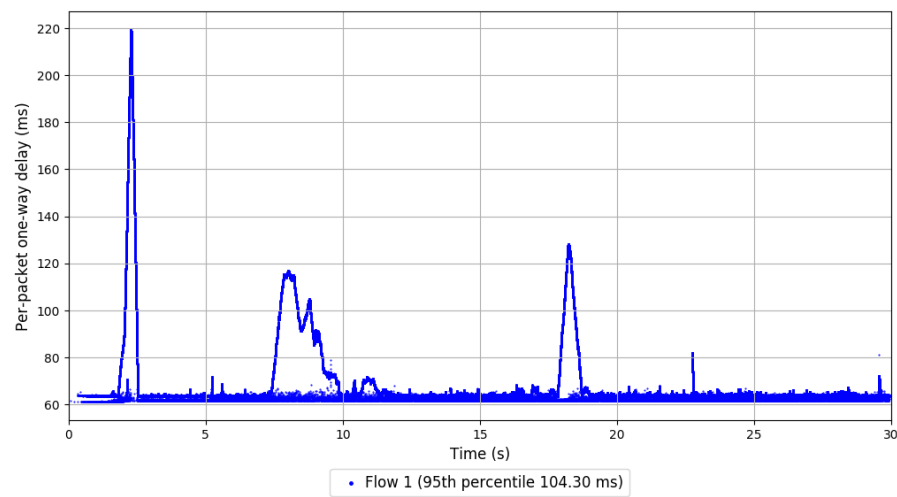
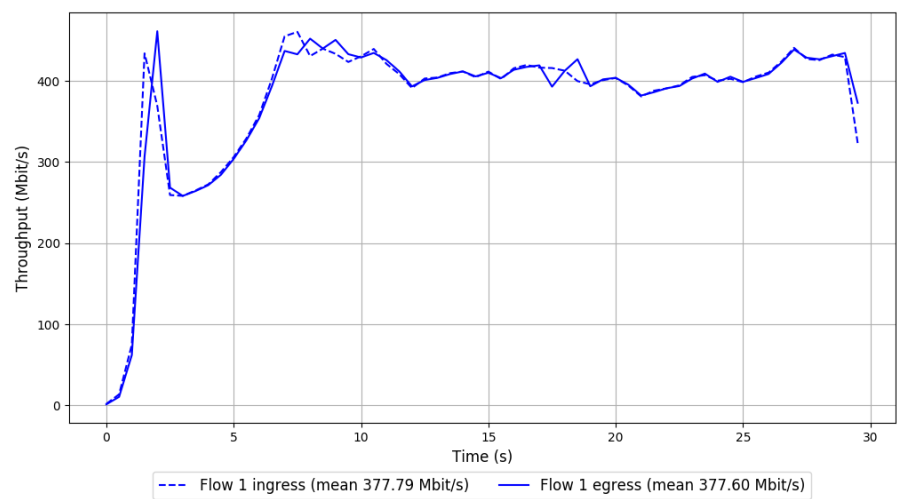
-- Flow 1:

Average throughput: 377.60 Mbit/s

95th percentile per-packet one-way delay: 104.302 ms

Loss rate: 0.05%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-17 01:29:33

End at: 2018-01-17 01:30:03

Below is generated by plot.py at 2018-01-17 04:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 450.49 Mbit/s

95th percentile per-packet one-way delay: 209.717 ms

Loss rate: 1.09%

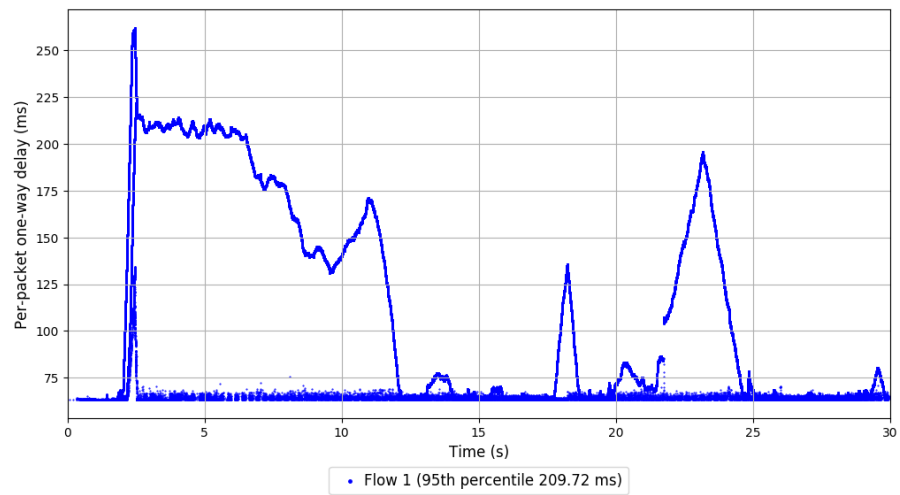
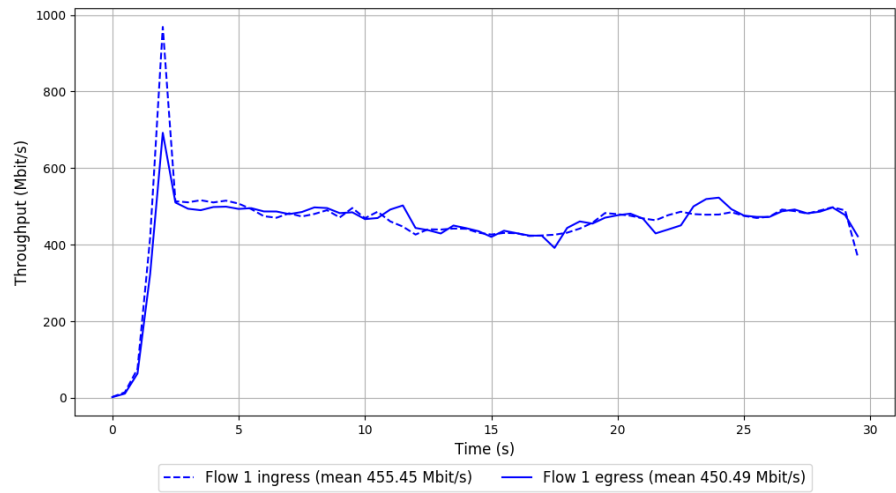
-- Flow 1:

Average throughput: 450.49 Mbit/s

95th percentile per-packet one-way delay: 209.717 ms

Loss rate: 1.09%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-17 01:43:25

End at: 2018-01-17 01:43:55

Below is generated by plot.py at 2018-01-17 04:41:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.81 Mbit/s

95th percentile per-packet one-way delay: 208.672 ms

Loss rate: 1.88%

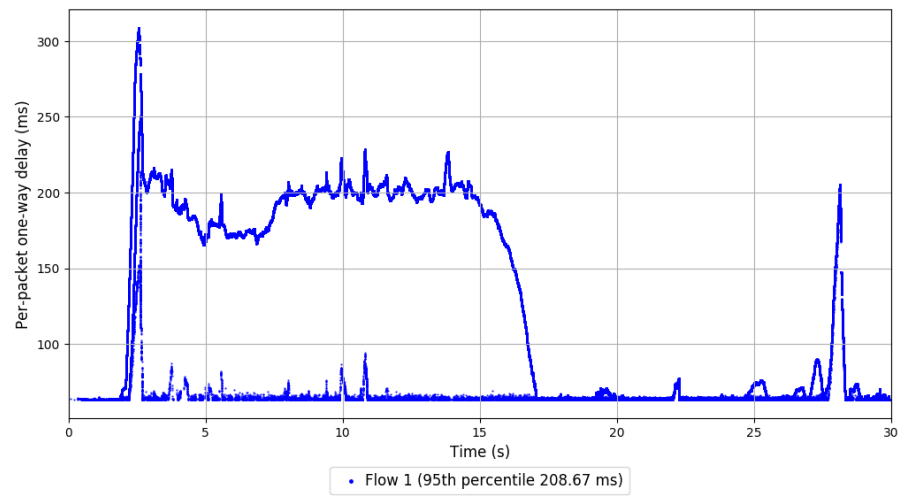
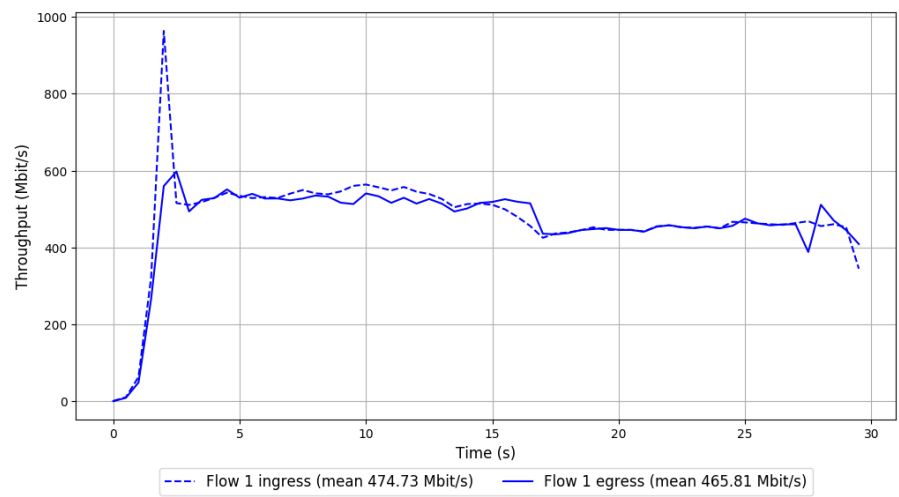
-- Flow 1:

Average throughput: 465.81 Mbit/s

95th percentile per-packet one-way delay: 208.672 ms

Loss rate: 1.88%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-17 01:57:46

End at: 2018-01-17 01:58:16

Below is generated by plot.py at 2018-01-17 04:41:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 409.90 Mbit/s

95th percentile per-packet one-way delay: 114.930 ms

Loss rate: 0.11%

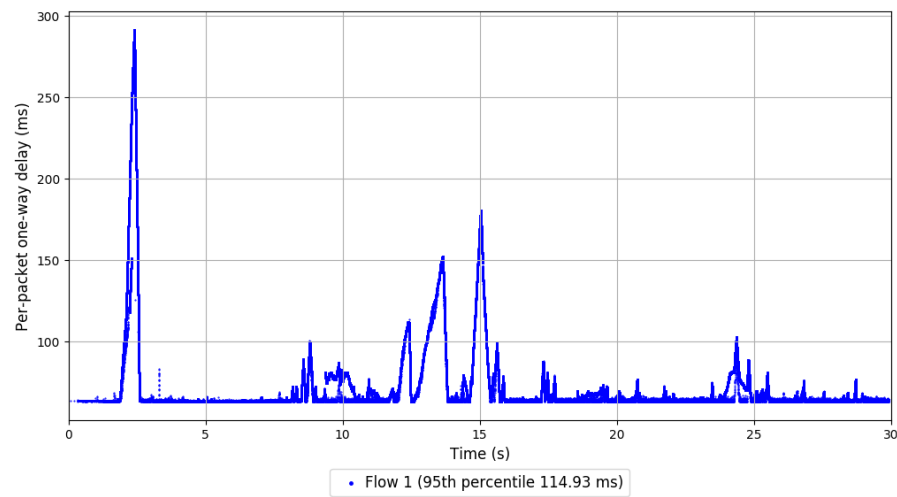
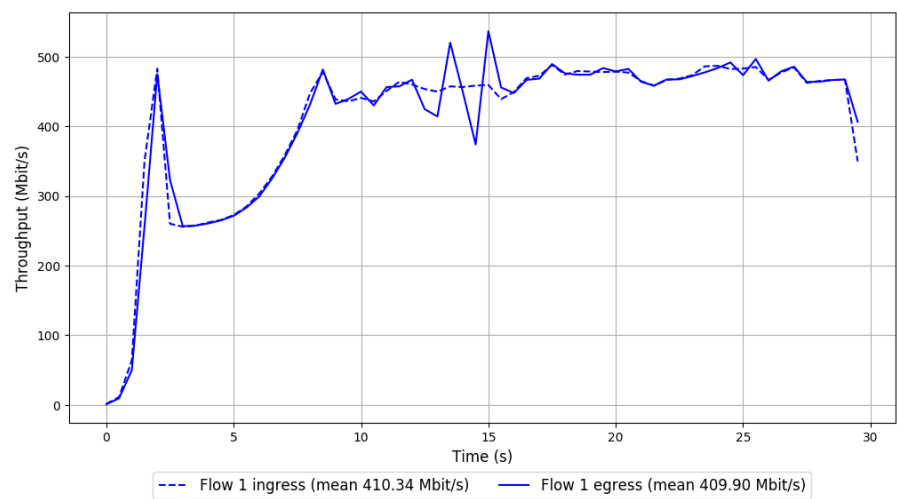
-- Flow 1:

Average throughput: 409.90 Mbit/s

95th percentile per-packet one-way delay: 114.930 ms

Loss rate: 0.11%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-17 02:12:20

End at: 2018-01-17 02:12:50

Below is generated by plot.py at 2018-01-17 04:41:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 407.15 Mbit/s

95th percentile per-packet one-way delay: 202.007 ms

Loss rate: 1.10%

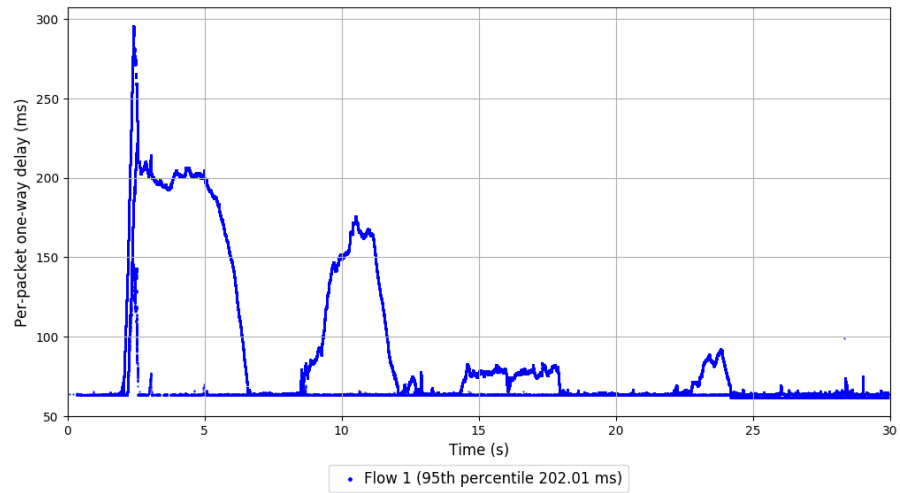
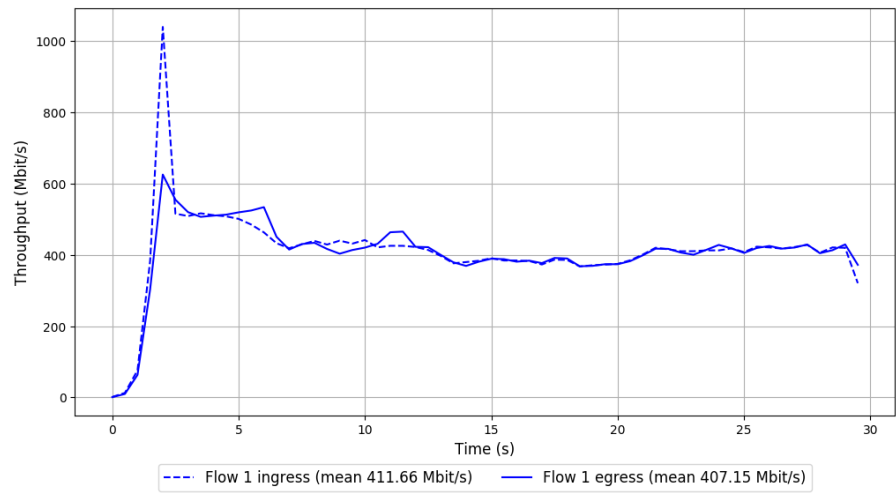
-- Flow 1:

Average throughput: 407.15 Mbit/s

95th percentile per-packet one-way delay: 202.007 ms

Loss rate: 1.10%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-17 02:26:26

End at: 2018-01-17 02:26:56

Below is generated by plot.py at 2018-01-17 04:43:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 451.38 Mbit/s

95th percentile per-packet one-way delay: 205.695 ms

Loss rate: 0.96%

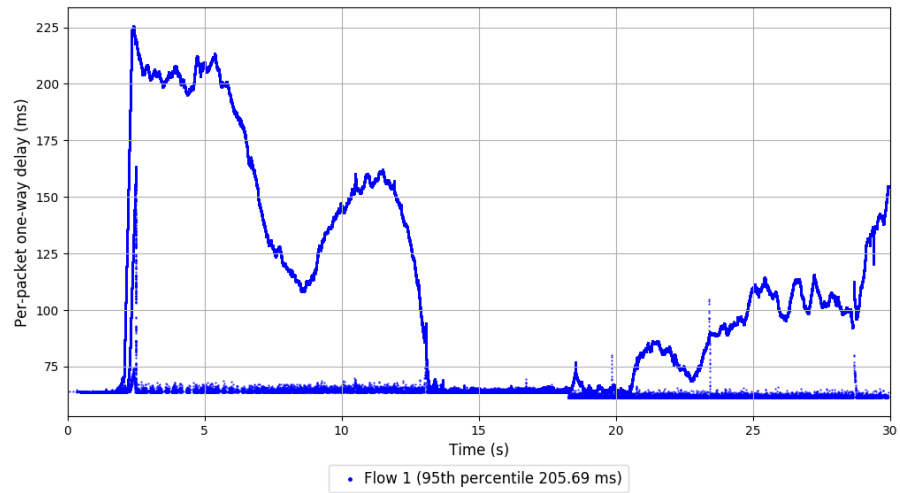
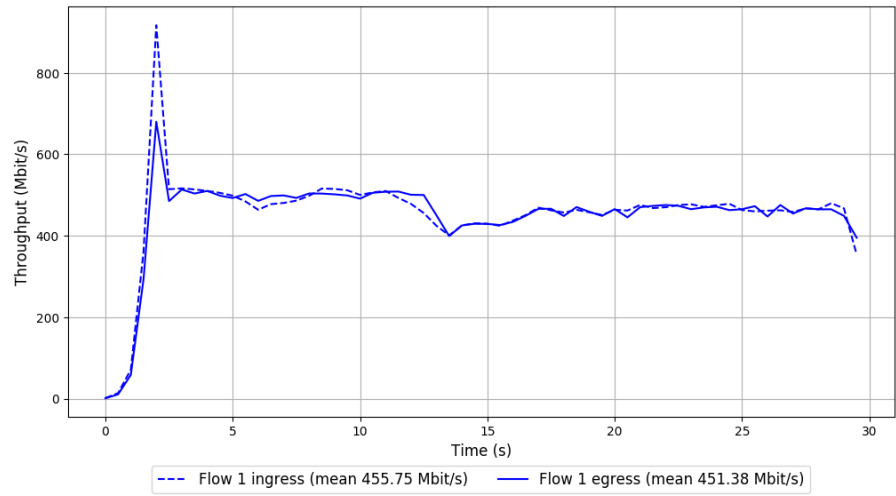
-- Flow 1:

Average throughput: 451.38 Mbit/s

95th percentile per-packet one-way delay: 205.695 ms

Loss rate: 0.96%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-17 02:40:47

End at: 2018-01-17 02:41:17

Below is generated by plot.py at 2018-01-17 04:48:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.13 Mbit/s

95th percentile per-packet one-way delay: 75.737 ms

Loss rate: 0.01%

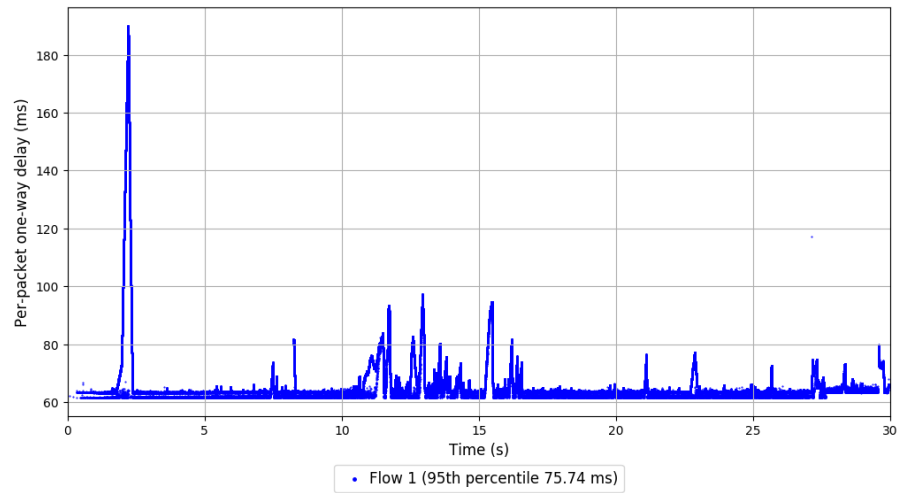
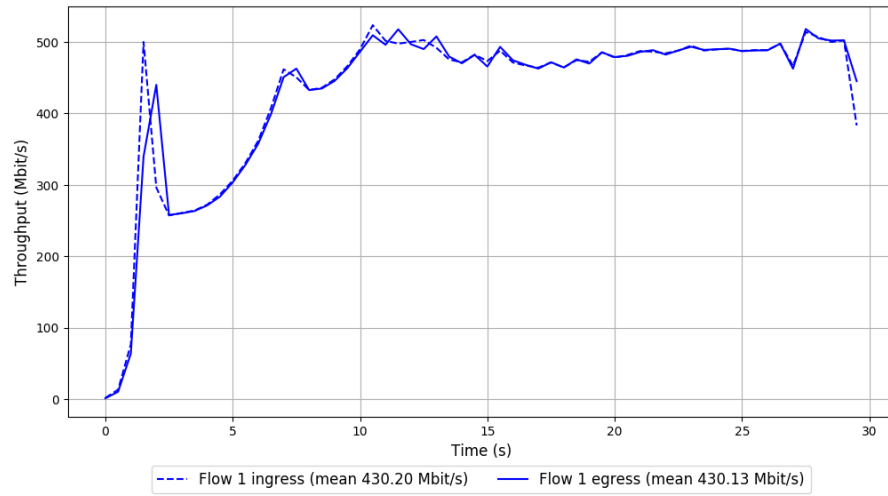
-- Flow 1:

Average throughput: 430.13 Mbit/s

95th percentile per-packet one-way delay: 75.737 ms

Loss rate: 0.01%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-17 02:55:15

End at: 2018-01-17 02:55:45

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 477.55 Mbit/s

95th percentile per-packet one-way delay: 214.440 ms

Loss rate: 1.51%

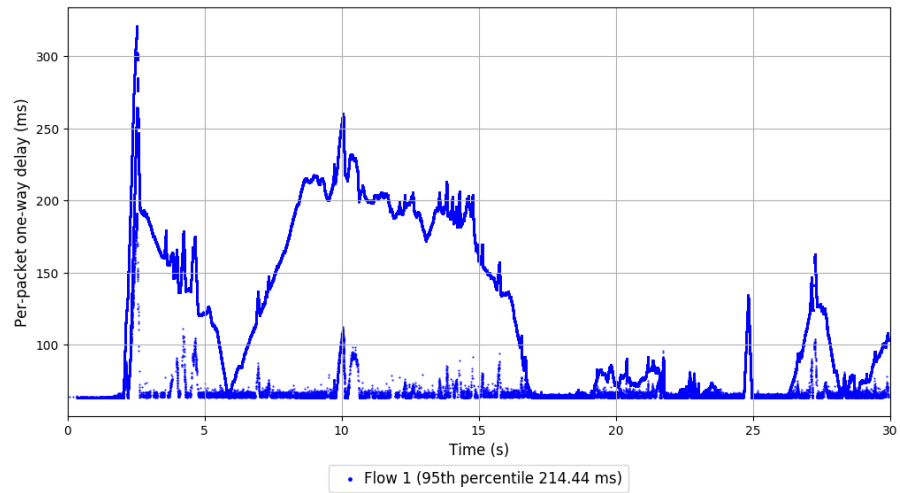
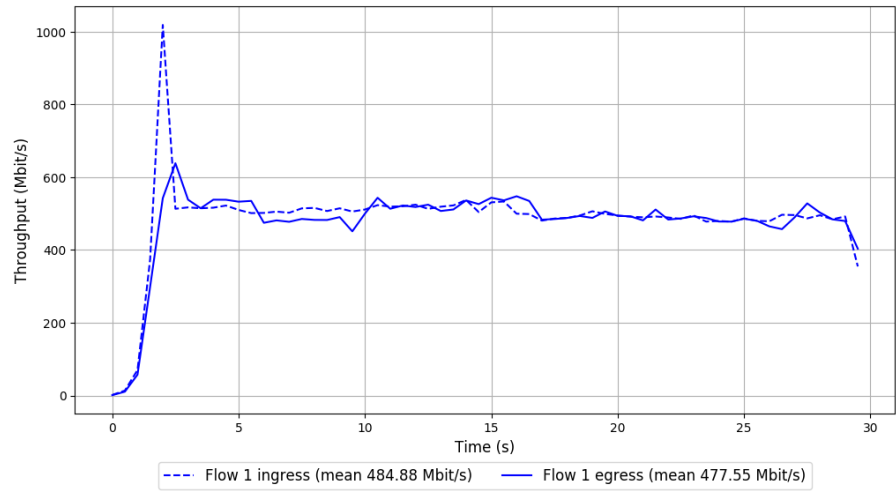
-- Flow 1:

Average throughput: 477.55 Mbit/s

95th percentile per-packet one-way delay: 214.440 ms

Loss rate: 1.51%

Run 10: Report of PCC — Data Link

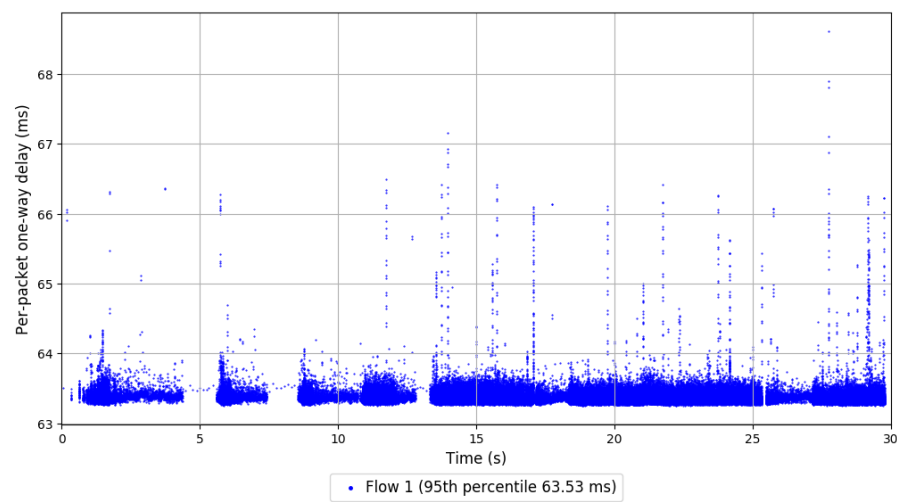
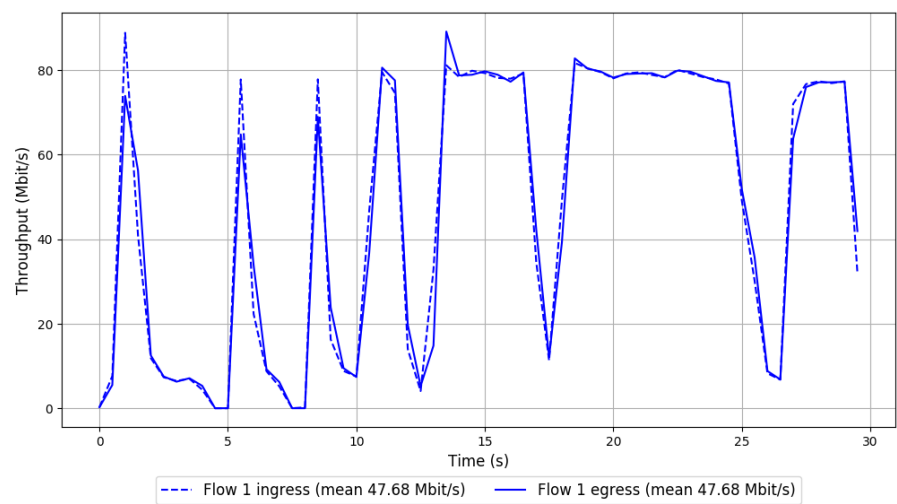


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-17 00:52:09
End at: 2018-01-17 00:52:39

# Below is generated by plot.py at 2018-01-17 04:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link

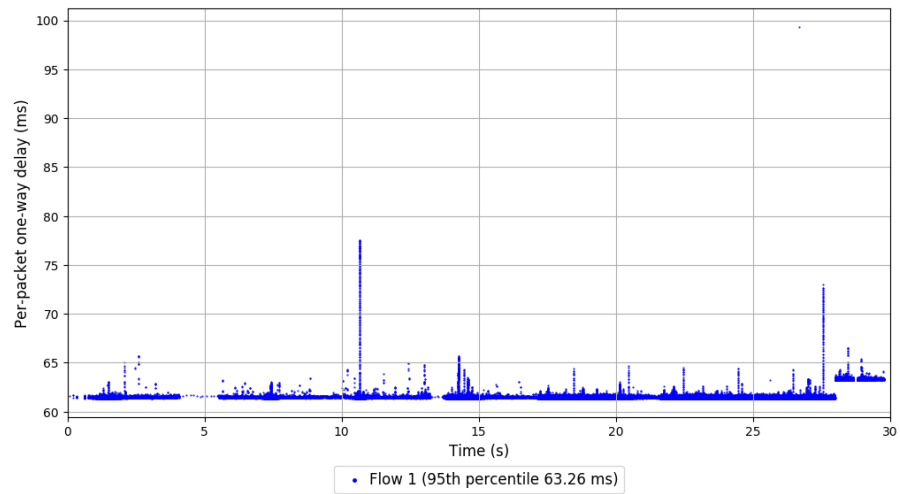
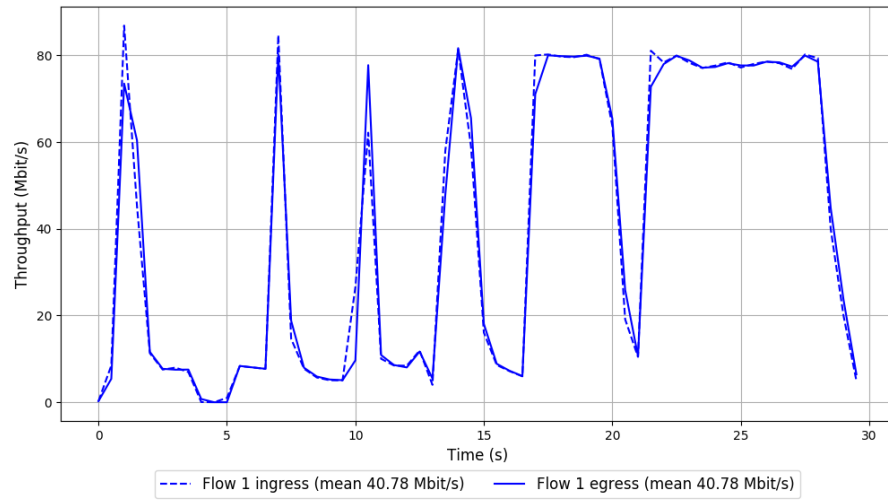


```
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-17 01:06:16
End at: 2018-01-17 01:06:46

# Below is generated by plot.py at 2018-01-17 04:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 63.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 63.261 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-17 01:20:16

End at: 2018-01-17 01:20:46

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.99 Mbit/s

95th percentile per-packet one-way delay: 62.071 ms

Loss rate: 0.00%

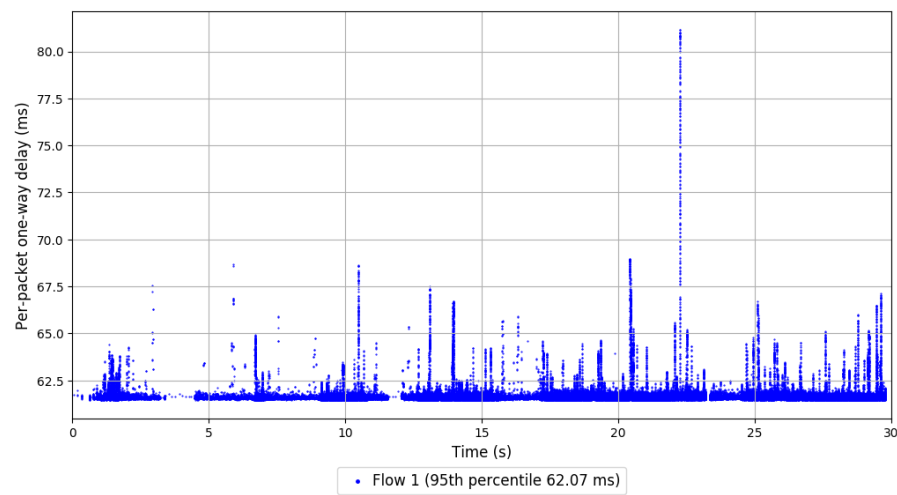
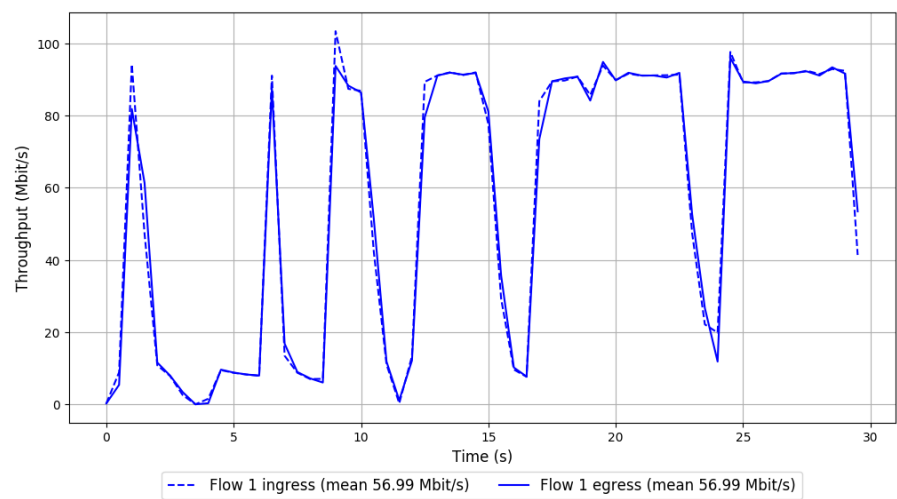
-- Flow 1:

Average throughput: 56.99 Mbit/s

95th percentile per-packet one-way delay: 62.071 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-17 01:34:45

End at: 2018-01-17 01:35:15

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.58 Mbit/s

95th percentile per-packet one-way delay: 61.511 ms

Loss rate: 0.00%

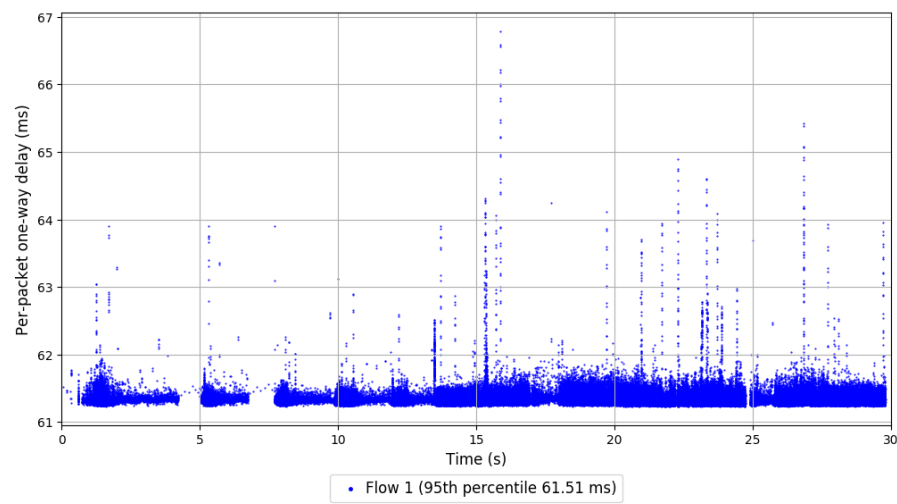
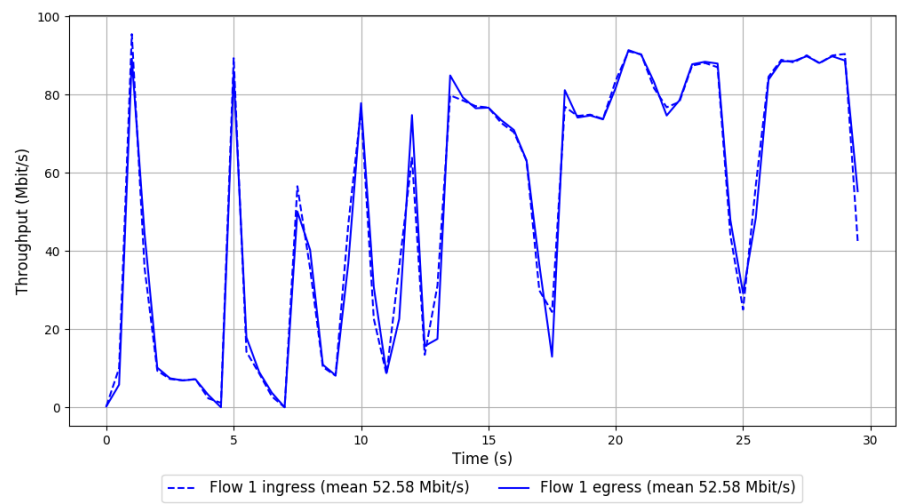
-- Flow 1:

Average throughput: 52.58 Mbit/s

95th percentile per-packet one-way delay: 61.511 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-17 01:48:33

End at: 2018-01-17 01:49:03

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 63.524 ms

Loss rate: 0.01%

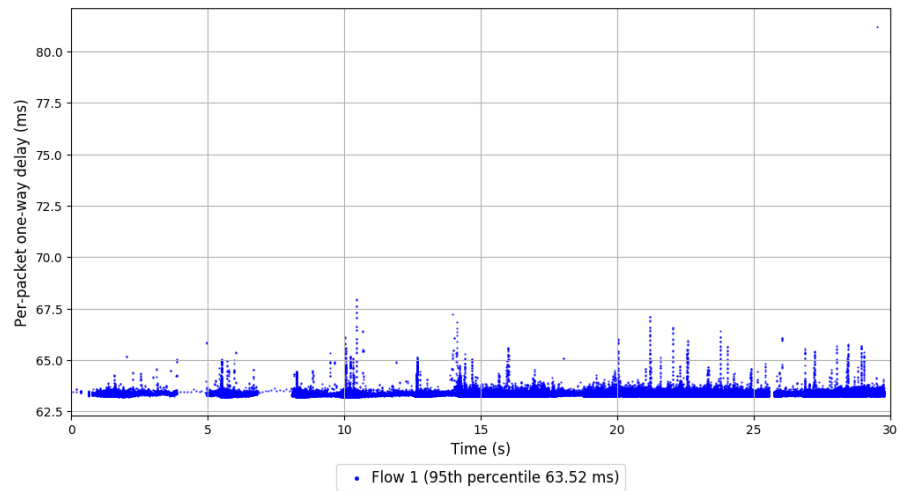
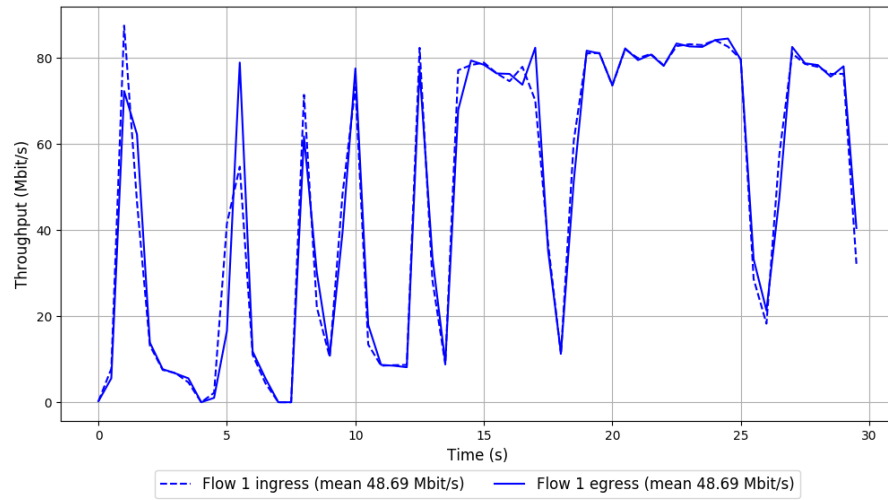
-- Flow 1:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 63.524 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-17 02:02:51

End at: 2018-01-17 02:03:21

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.80 Mbit/s

95th percentile per-packet one-way delay: 63.806 ms

Loss rate: 0.01%

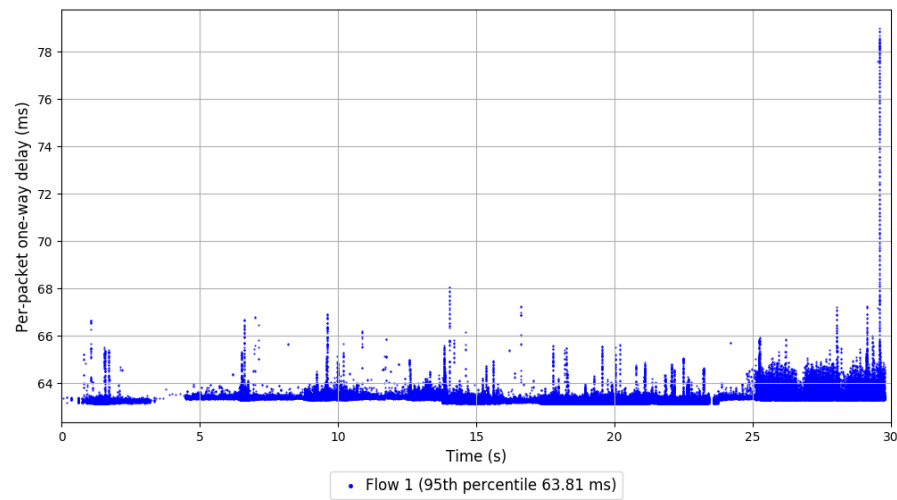
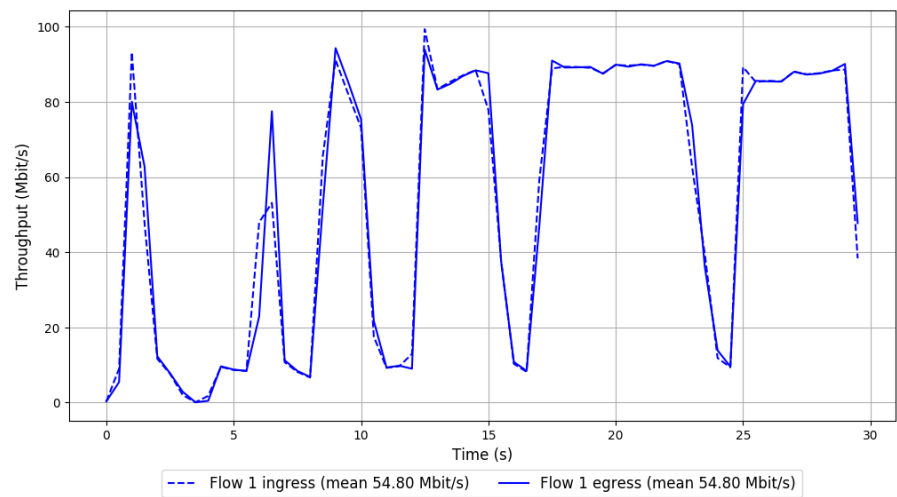
-- Flow 1:

Average throughput: 54.80 Mbit/s

95th percentile per-packet one-way delay: 63.806 ms

Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link

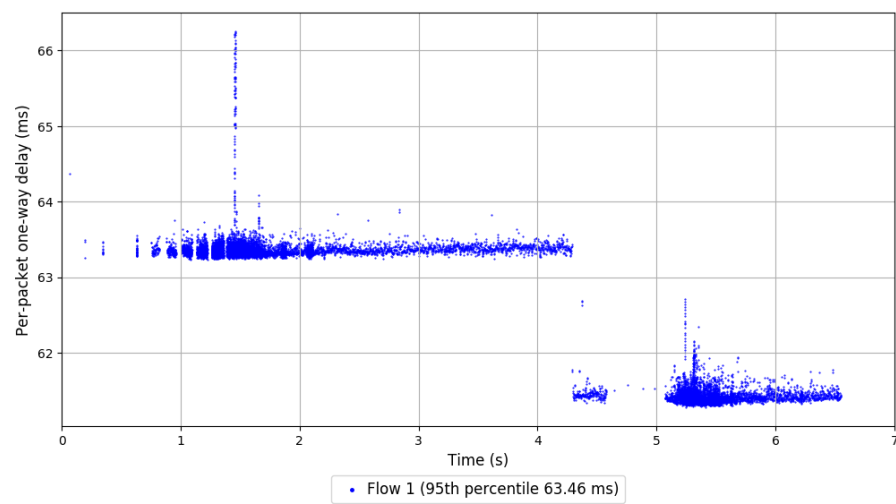
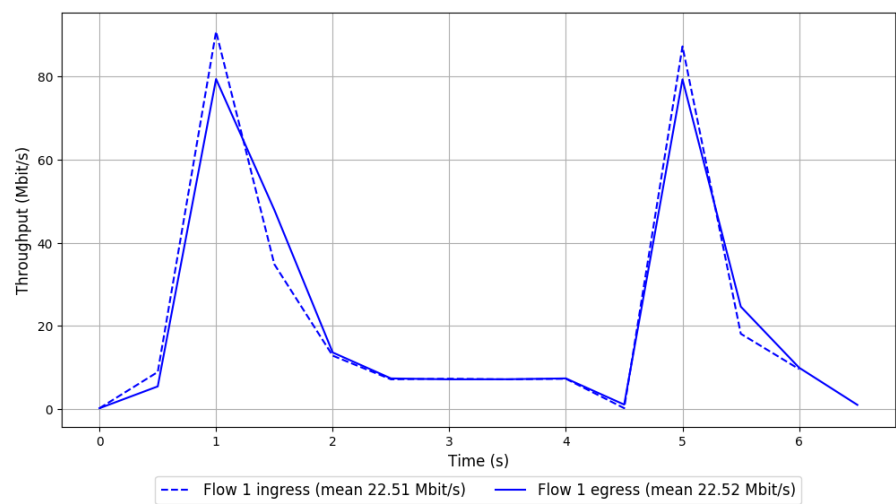


Run 7: Statistics of QUIC Cubic

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

End at: 2018-01-17 02:17:47

Run 7: Report of QUIC Cubic — Data Link

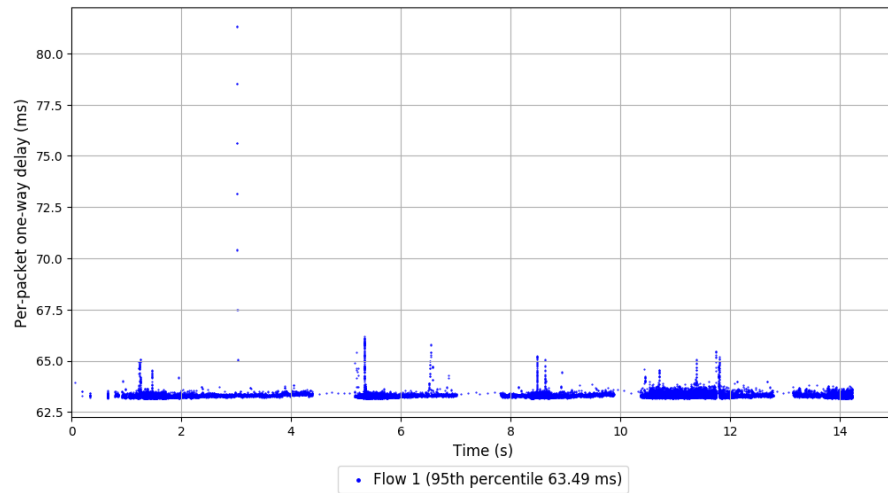
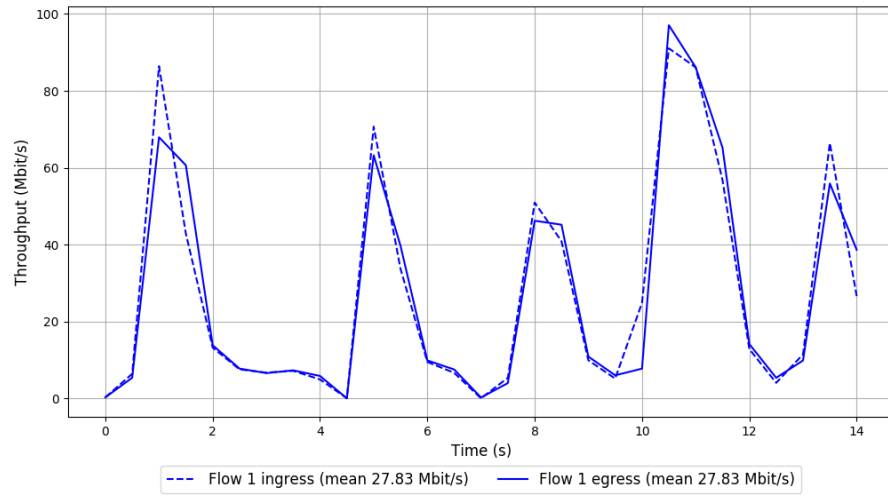


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-17 02:31:36

End at: 2018-01-17 02:32:06

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-17 02:45:54

End at: 2018-01-17 02:46:24

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 63.623 ms

Loss rate: 0.00%

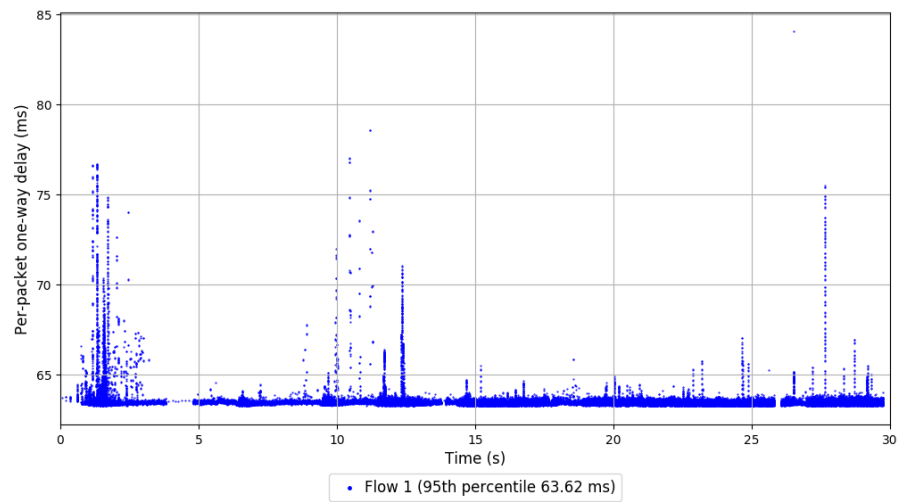
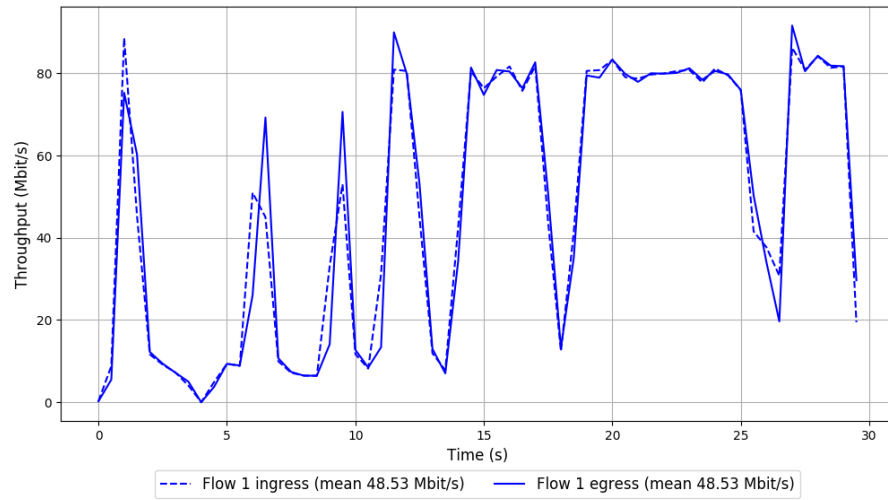
-- Flow 1:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 63.623 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

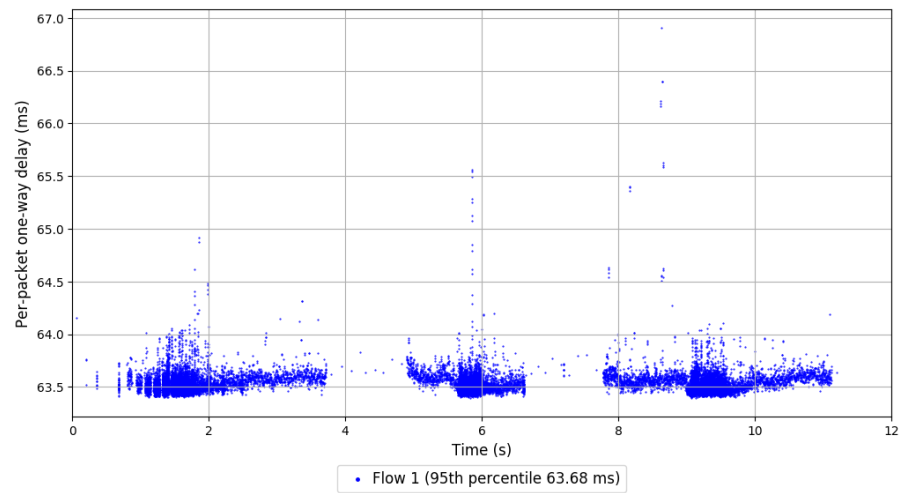
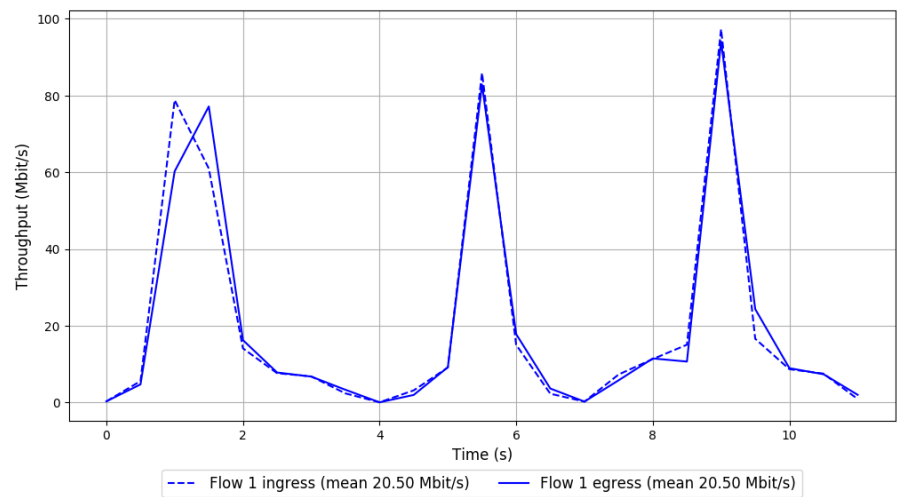


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-17 03:00:24

End at: 2018-01-17 03:00:54

Run 10: Report of QUIC Cubic — Data Link

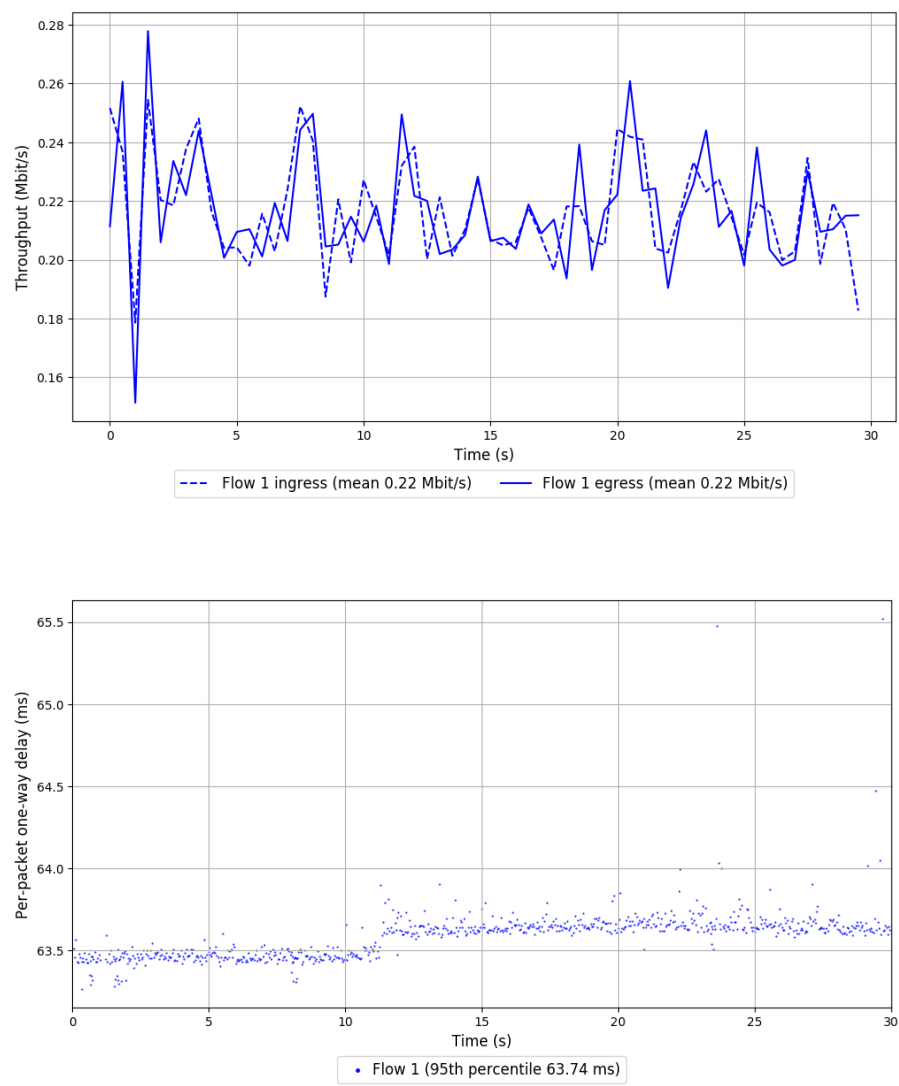


```
Run 1: Statistics of SCReAM

Start at: 2018-01-17 00:44:43
End at: 2018-01-17 00:45:13

# Below is generated by plot.py at 2018-01-17 04:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.737 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

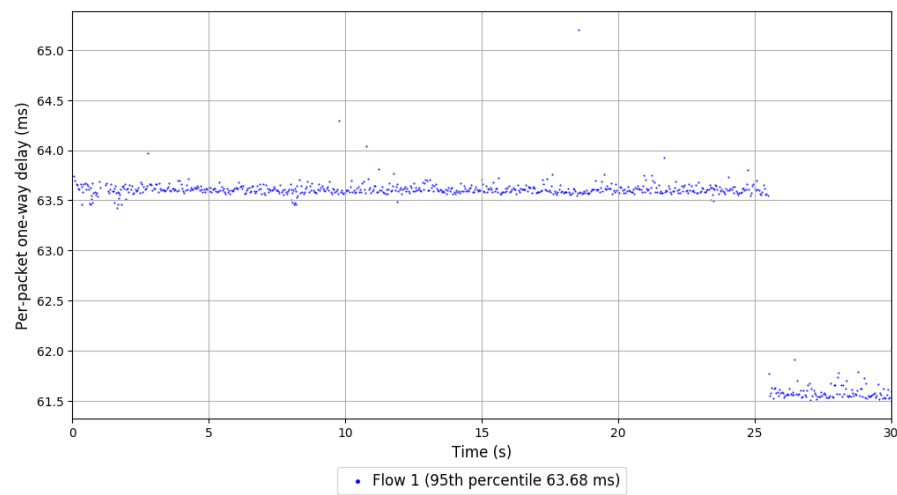
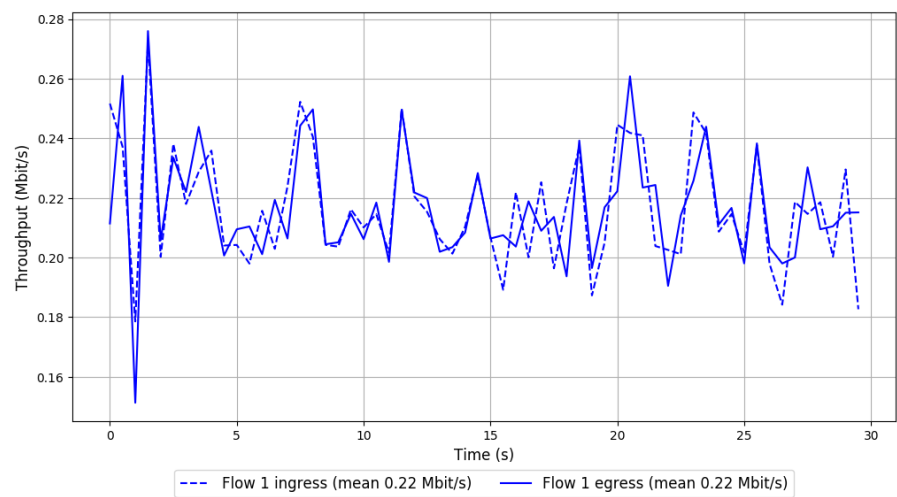


```
Run 2: Statistics of SCReAM

Start at: 2018-01-17 00:58:59
End at: 2018-01-17 00:59:29

# Below is generated by plot.py at 2018-01-17 04:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.680 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-17 01:13:12

End at: 2018-01-17 01:13:42

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.462 ms

Loss rate: 0.00%

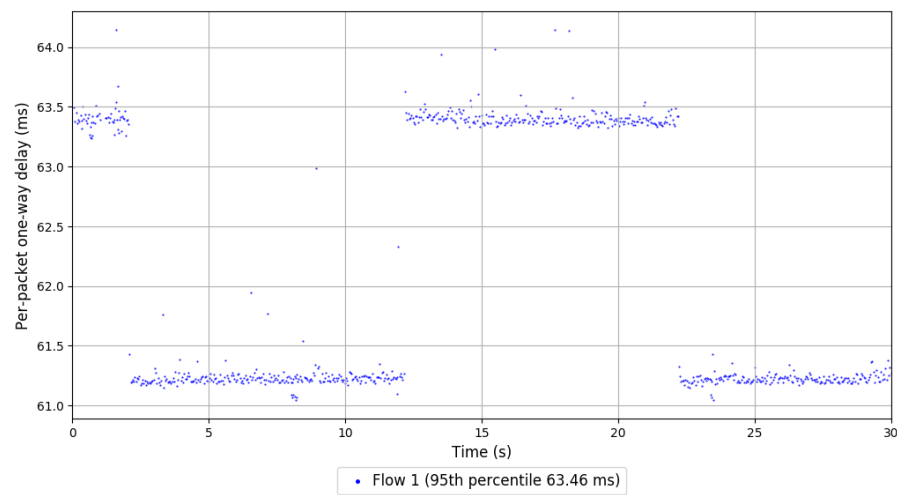
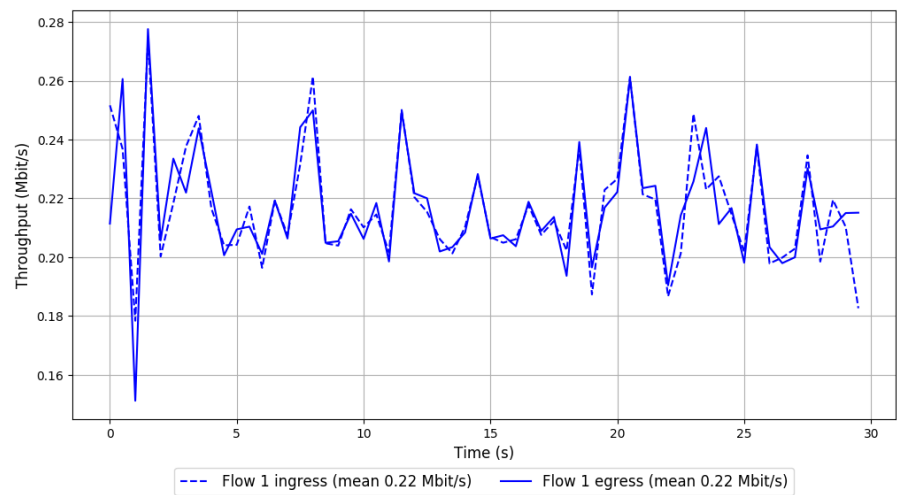
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.462 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

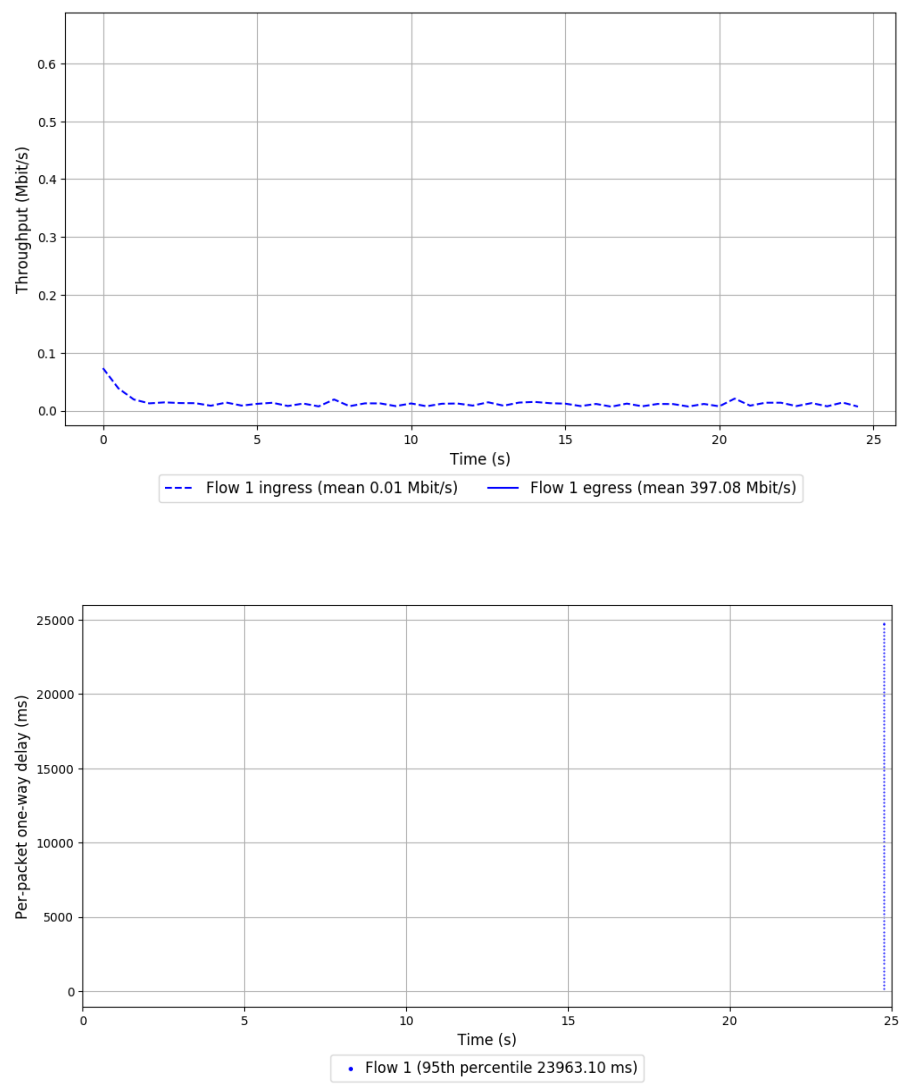


Run 4: Statistics of SReAM

Start at: 2018-01-17 01:27:19

End at: 2018-01-17 01:27:49

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-17 01:41:24

End at: 2018-01-17 01:41:54

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.822 ms

Loss rate: 0.00%

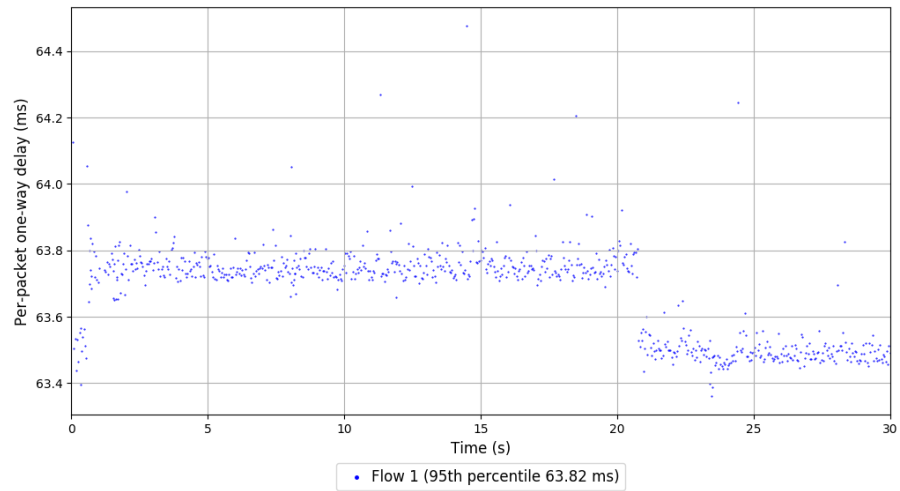
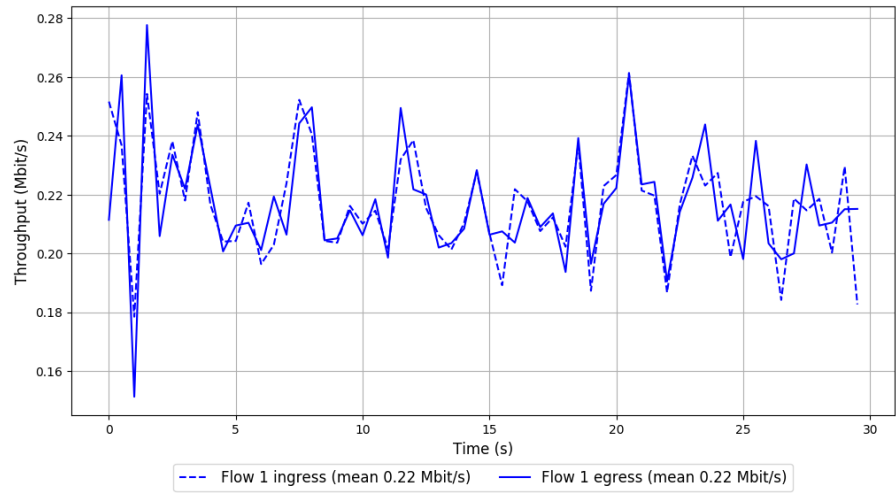
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.822 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-17 01:55:33

End at: 2018-01-17 01:56:03

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.642 ms

Loss rate: 0.00%

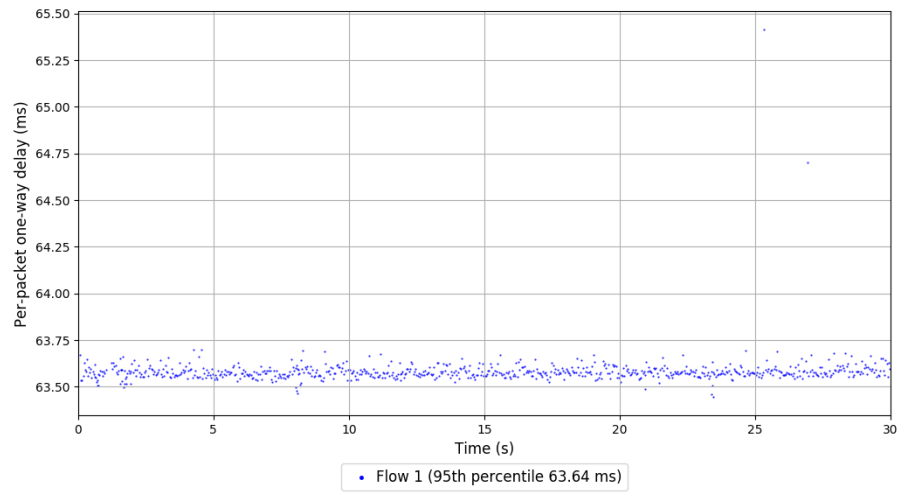
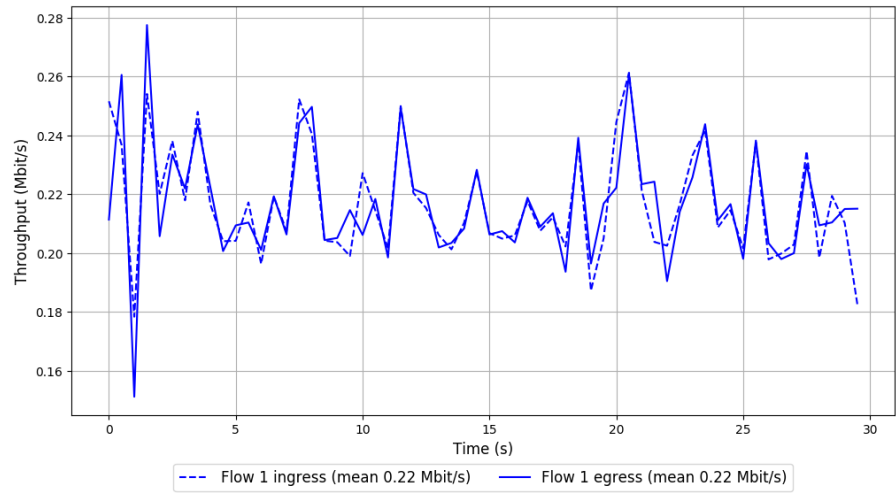
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.642 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-17 02:10:02

End at: 2018-01-17 02:10:32

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.617 ms

Loss rate: 0.00%

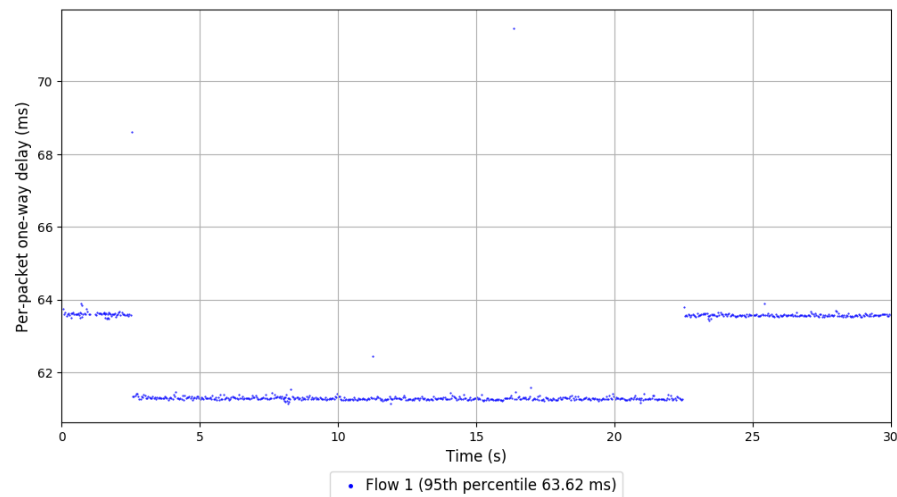
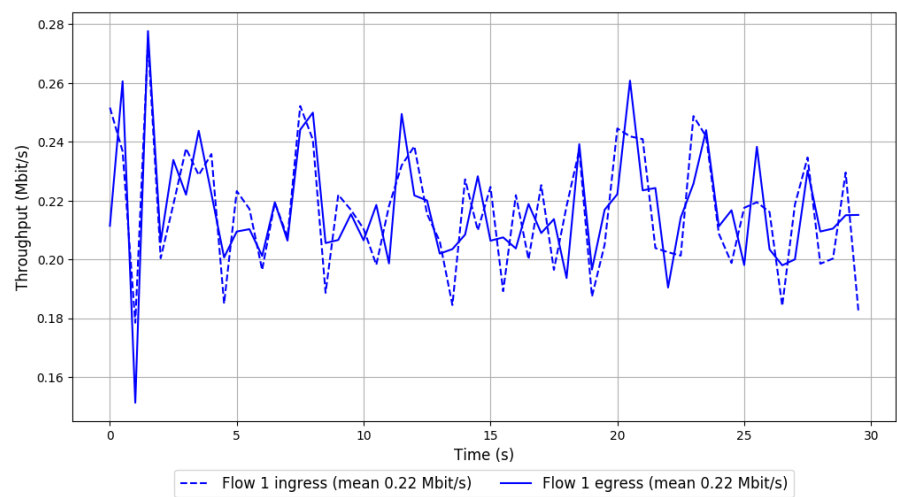
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.617 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-17 02:24:16

End at: 2018-01-17 02:24:46

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.906 ms

Loss rate: 0.00%

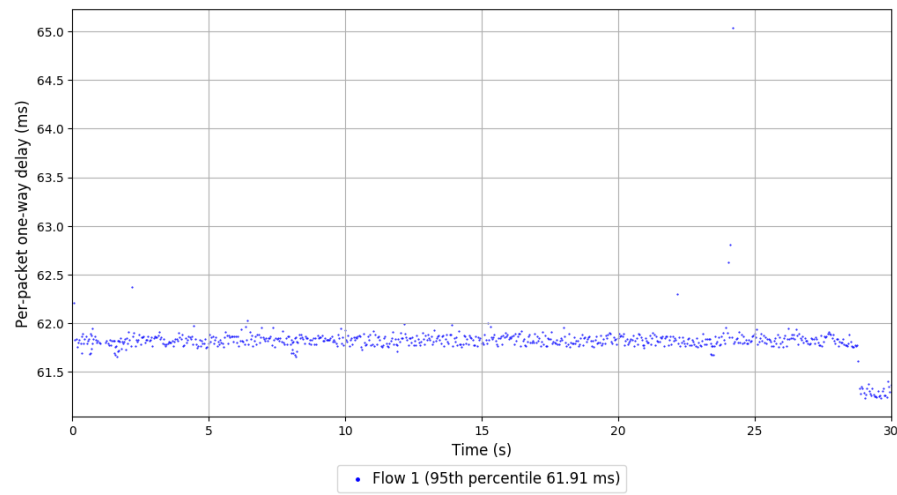
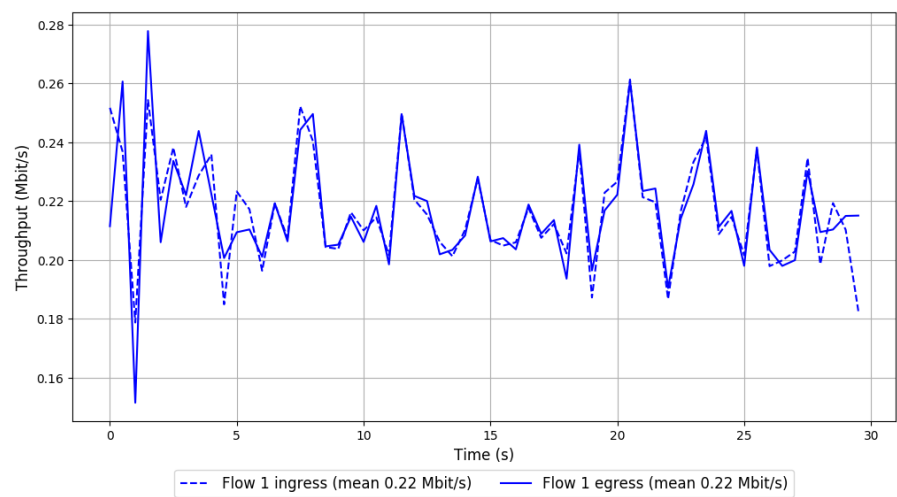
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.906 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-17 02:38:36

End at: 2018-01-17 02:39:06

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.13%

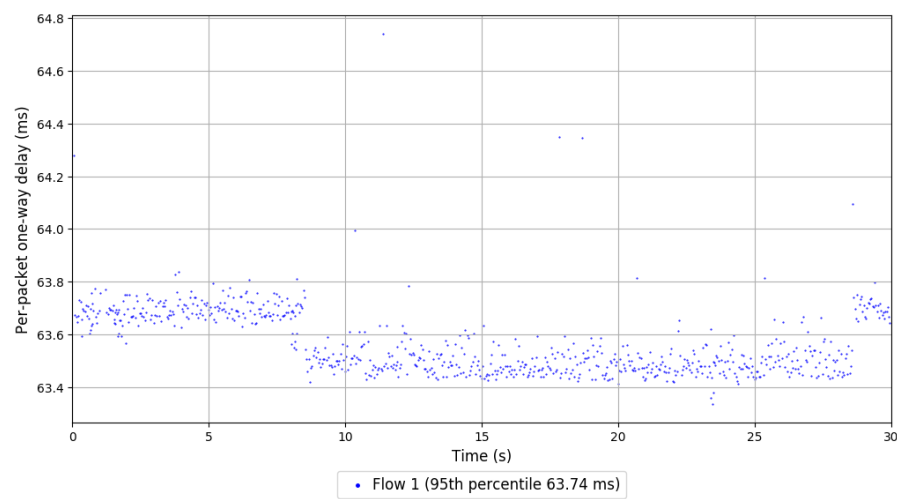
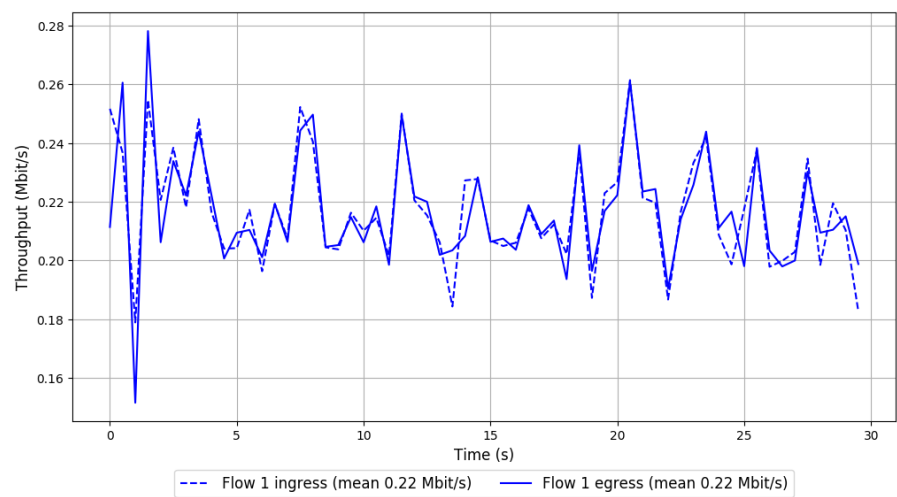
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.13%

Run 9: Report of SCRaM — Data Link

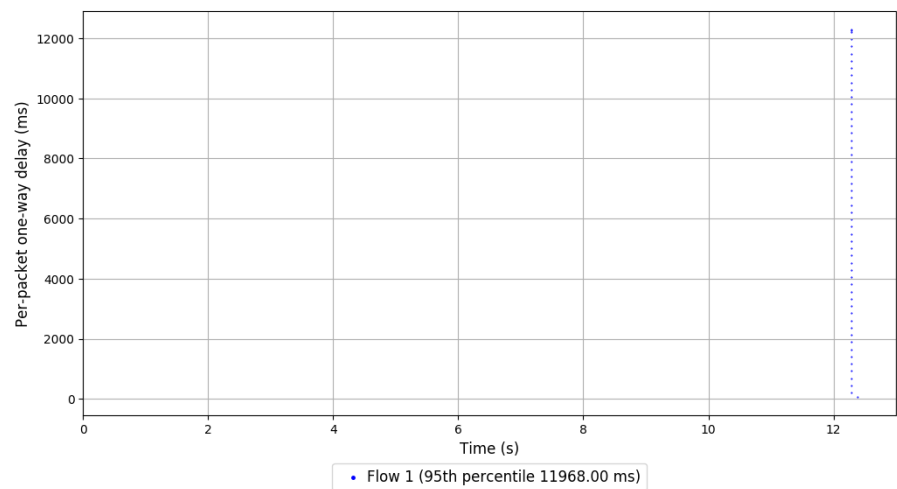
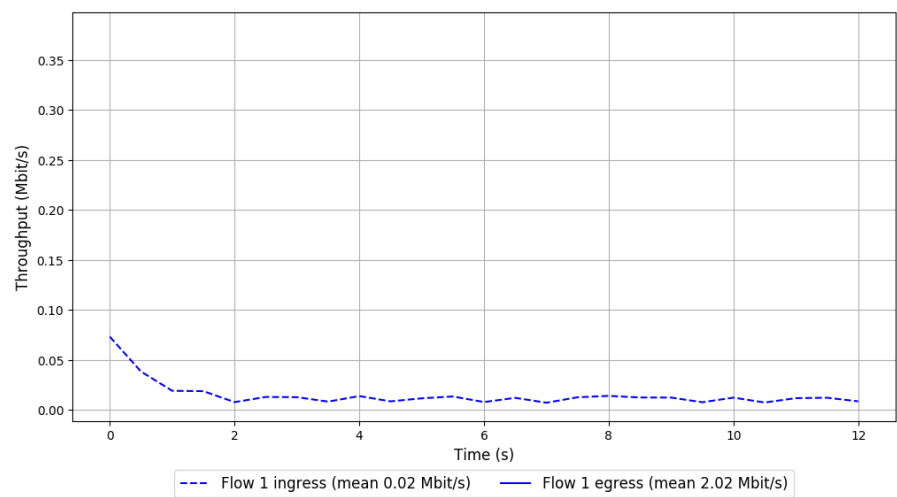


Run 10: Statistics of SCReAM

Start at: 2018-01-17 02:53:04

End at: 2018-01-17 02:53:34

Run 10: Report of SCReAM — Data Link

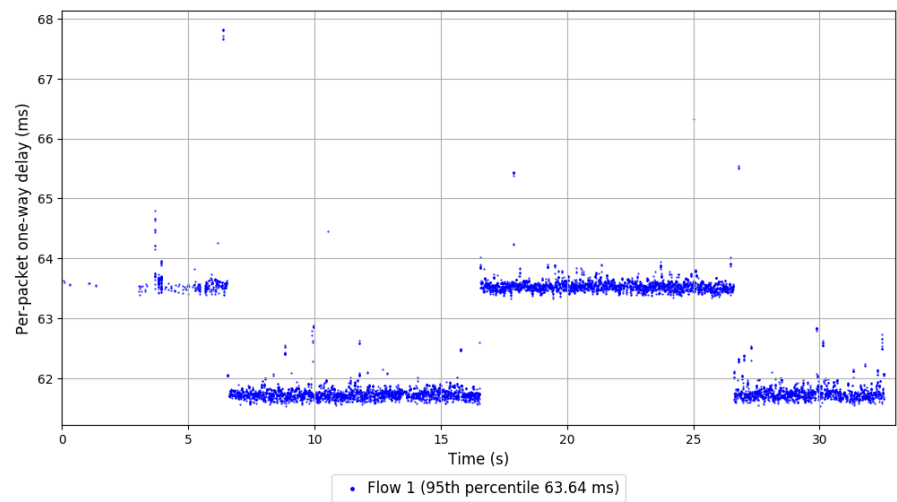
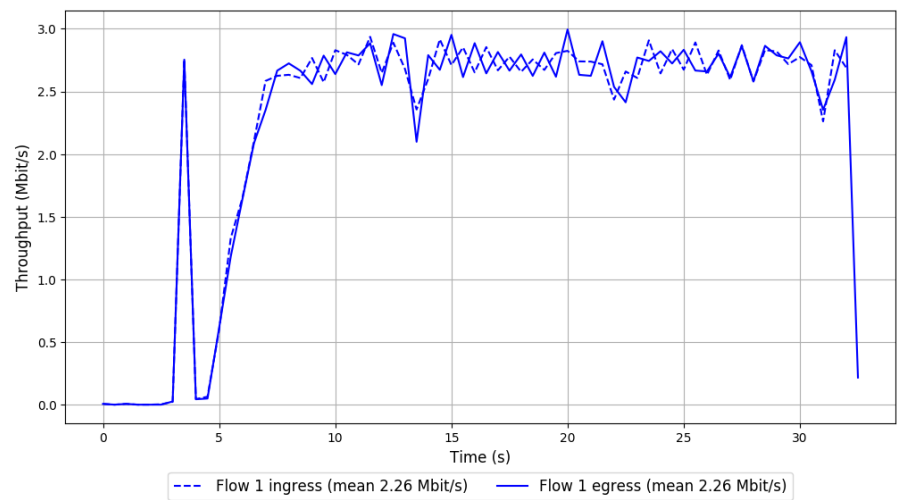


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-17 00:53:30
End at: 2018-01-17 00:54:01

# Below is generated by plot.py at 2018-01-17 04:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 63.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 63.636 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-17 01:07:41

End at: 2018-01-17 01:08:11

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.804 ms

Loss rate: 0.00%

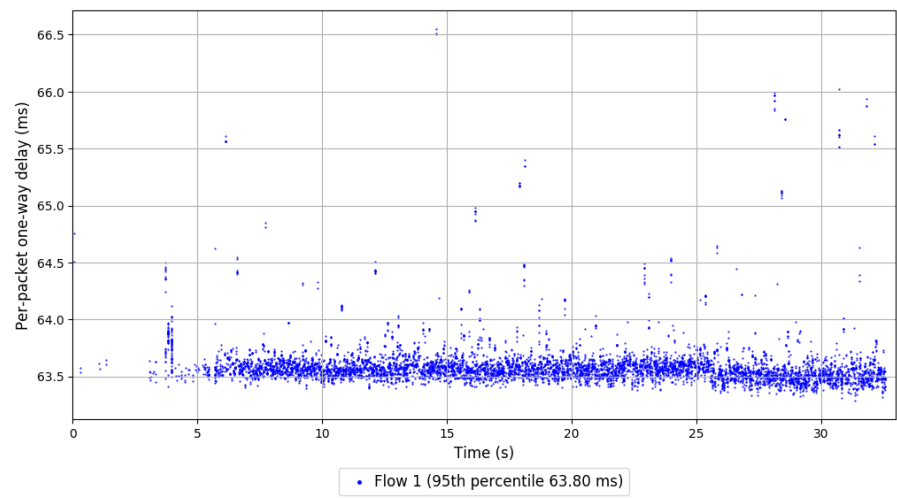
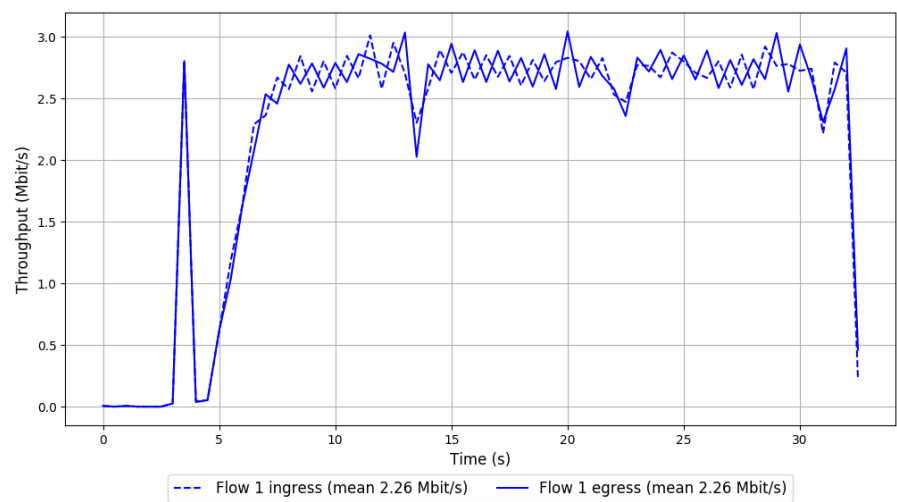
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.804 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-17 01:21:41

End at: 2018-01-17 01:22:11

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.567 ms

Loss rate: 0.00%

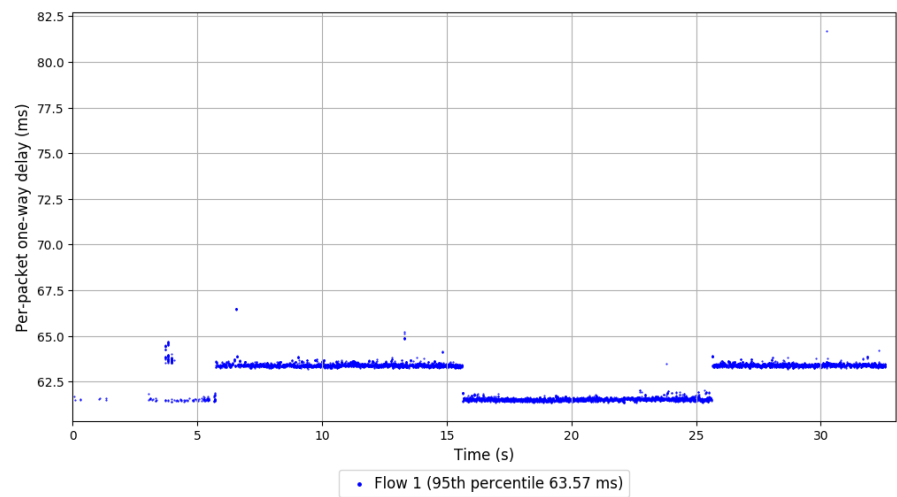
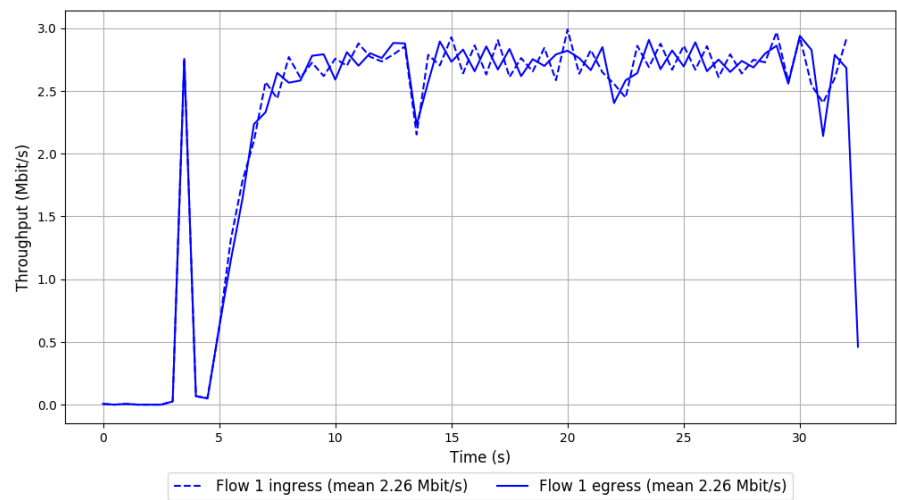
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.567 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-17 01:36:09

End at: 2018-01-17 01:36:39

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.513 ms

Loss rate: 0.00%

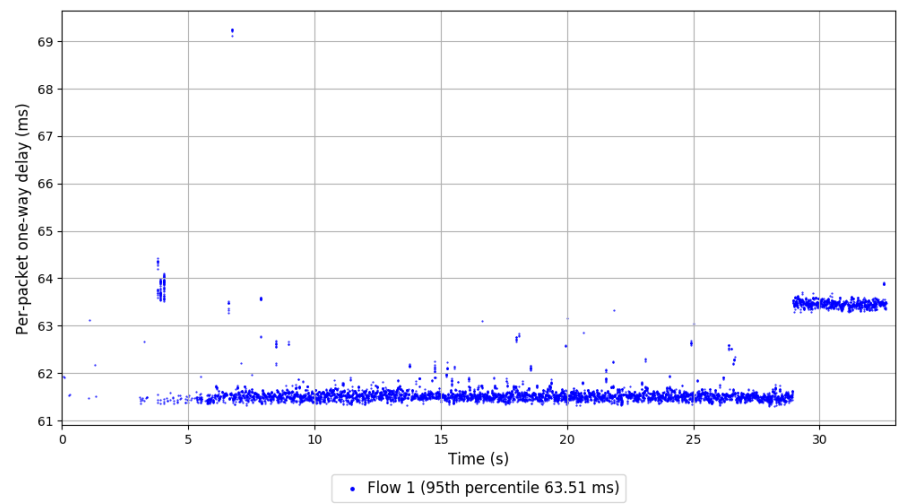
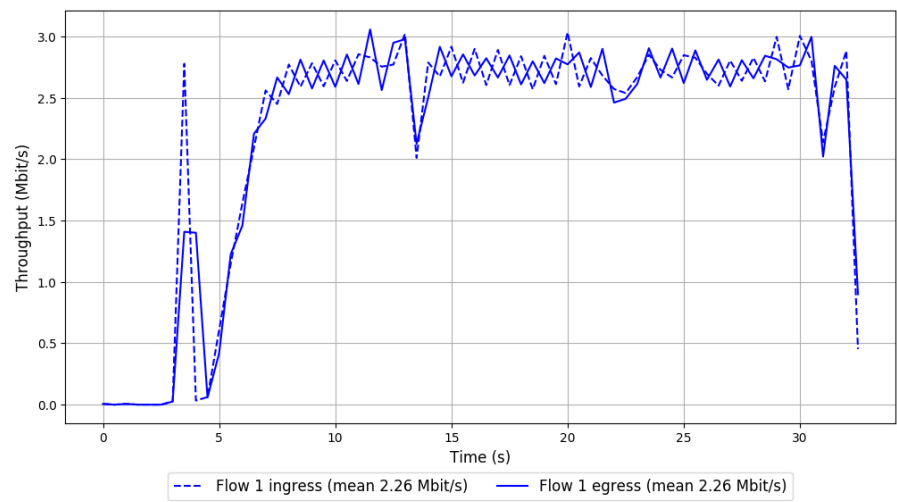
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.513 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-17 01:49:56

End at: 2018-01-17 01:50:26

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 61.634 ms

Loss rate: 0.00%

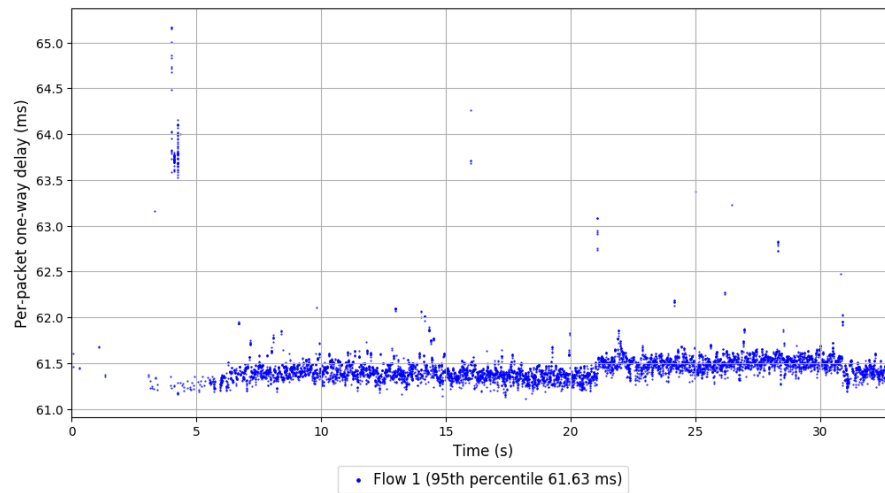
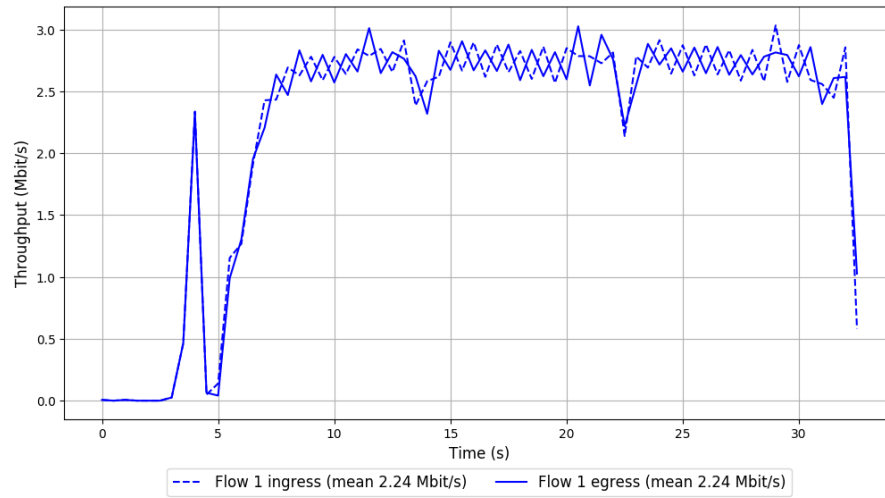
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 61.634 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-17 02:04:19

End at: 2018-01-17 02:04:49

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.588 ms

Loss rate: 0.00%

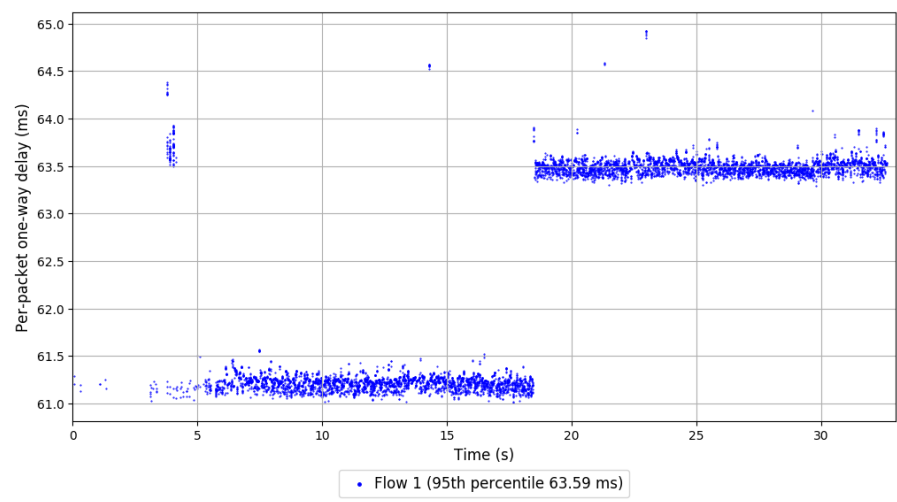
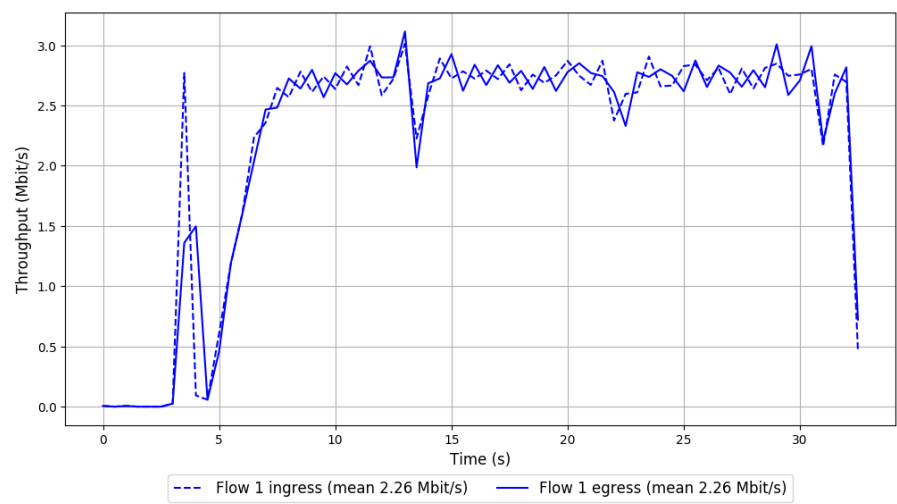
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.588 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-17 02:18:38

End at: 2018-01-17 02:19:08

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.668 ms

Loss rate: 0.00%

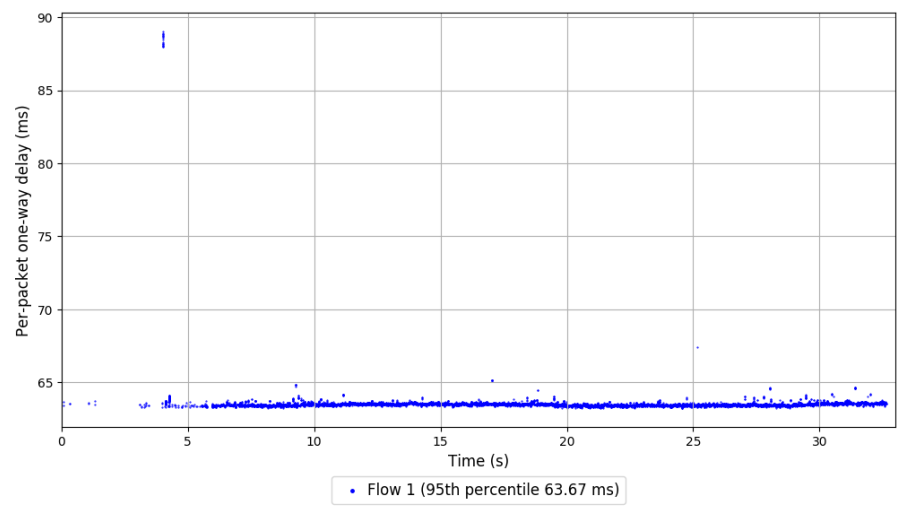
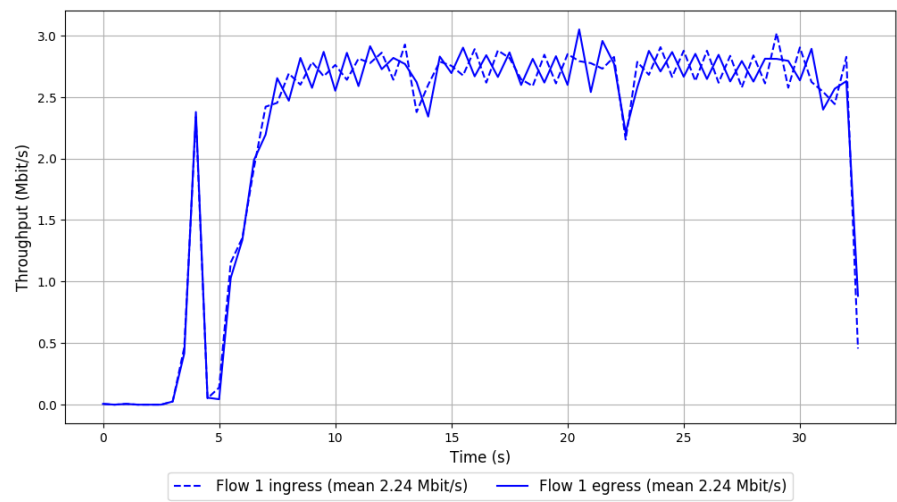
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.668 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-17 02:32:54

End at: 2018-01-17 02:33:24

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 61.573 ms

Loss rate: 0.00%

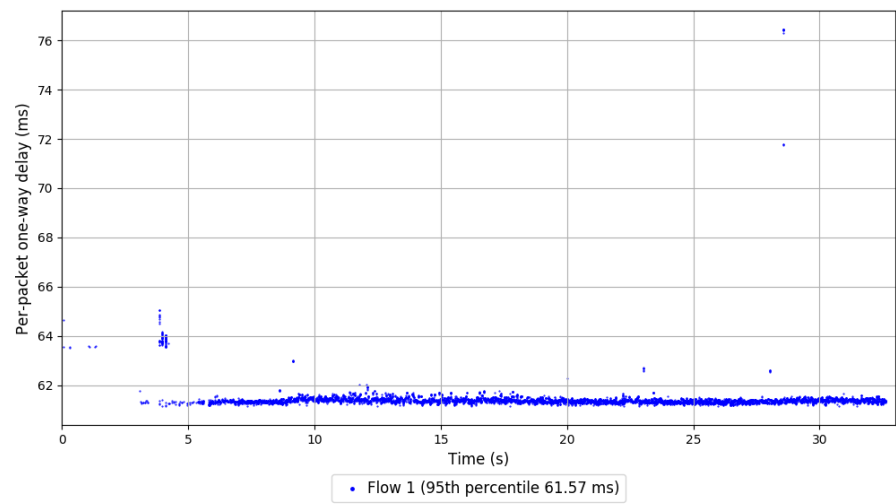
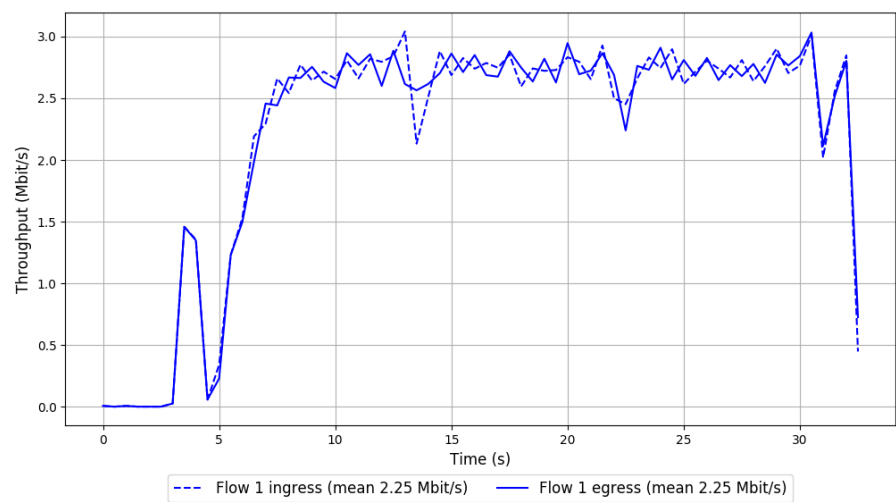
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 61.573 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-17 02:47:16

End at: 2018-01-17 02:47:46

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.945 ms

Loss rate: 0.00%

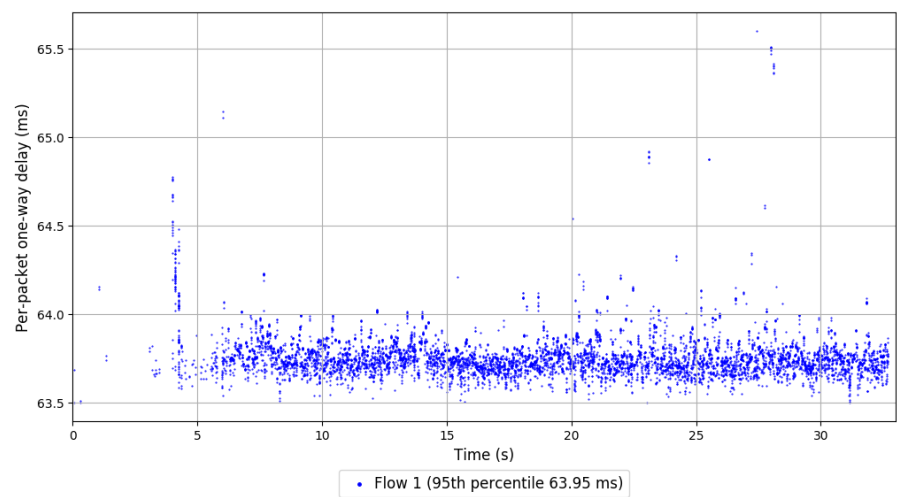
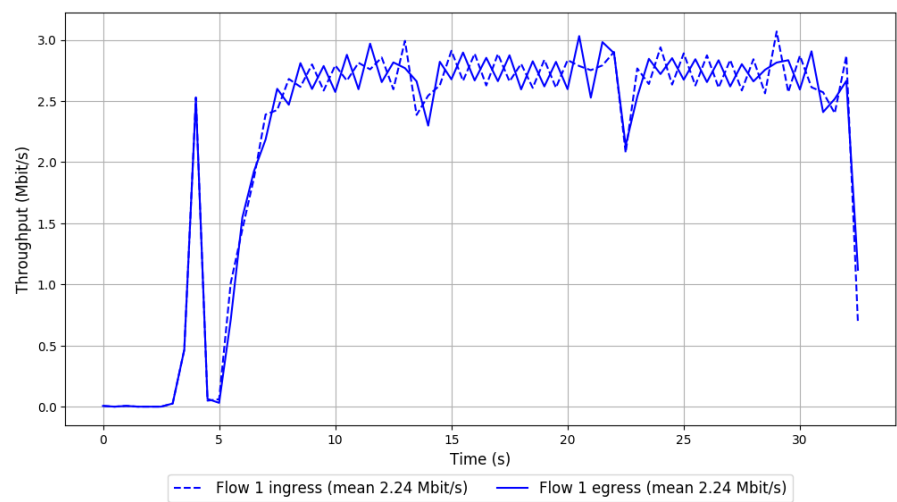
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.945 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-17 03:01:42

End at: 2018-01-17 03:02:12

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.755 ms

Loss rate: 0.00%

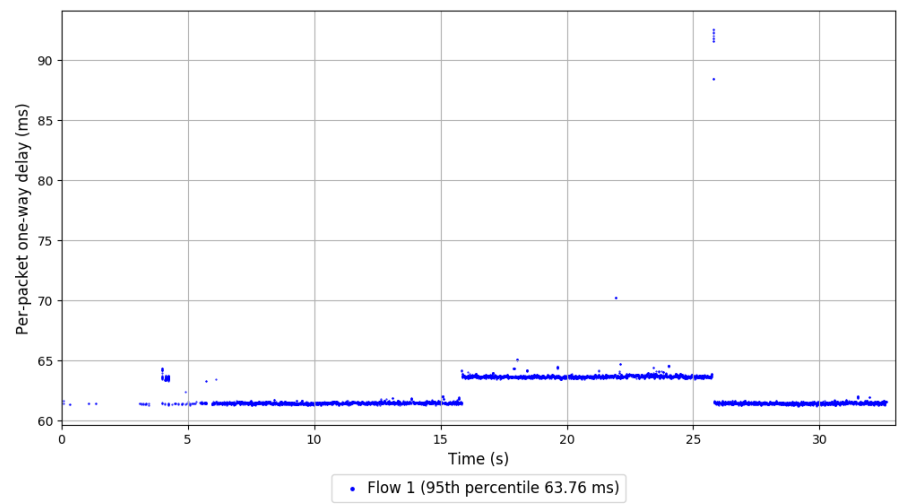
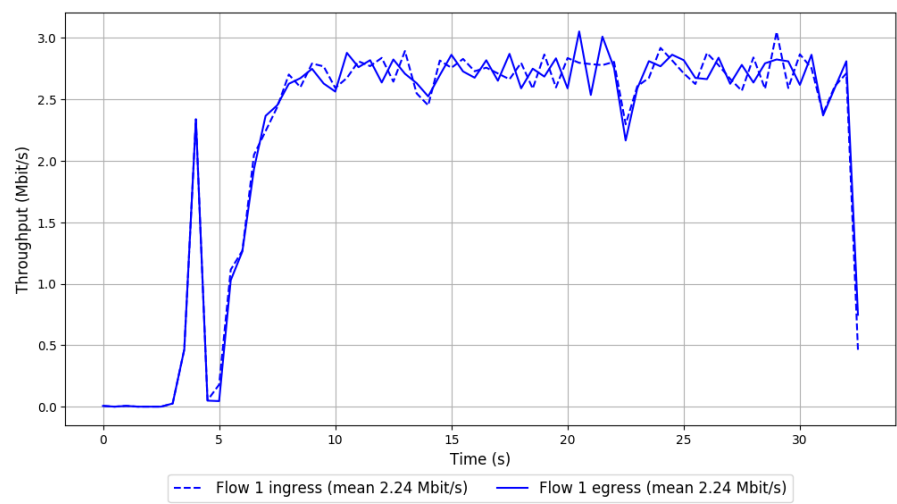
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.755 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-17 00:51:31

End at: 2018-01-17 00:52:01

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 64.540 ms

Loss rate: 0.00%

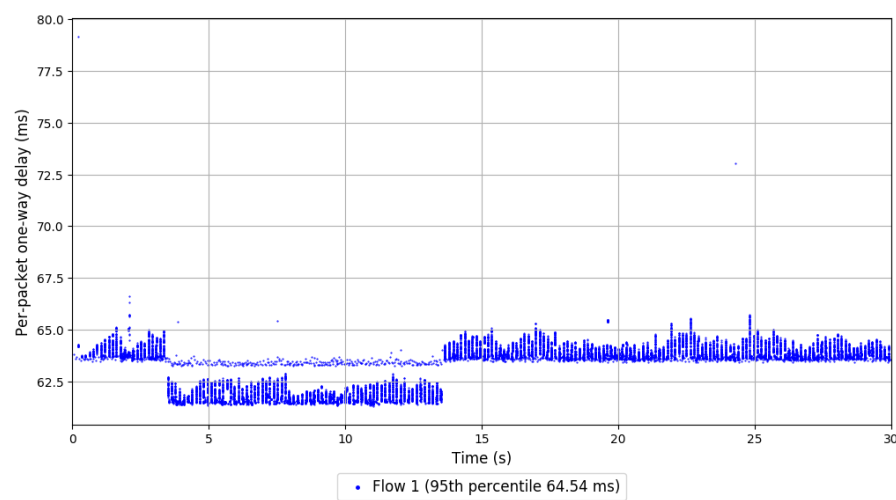
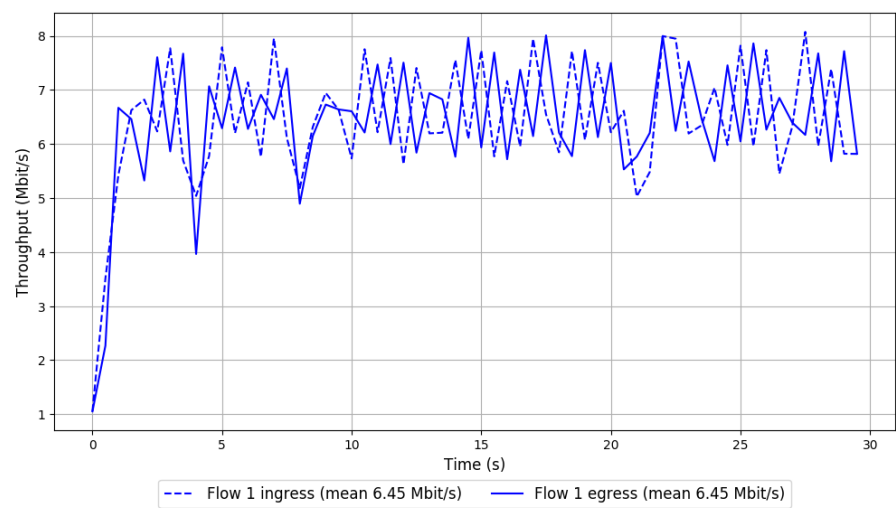
-- Flow 1:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 64.540 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-17 01:05:38

End at: 2018-01-17 01:06:08

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 64.753 ms

Loss rate: 0.01%

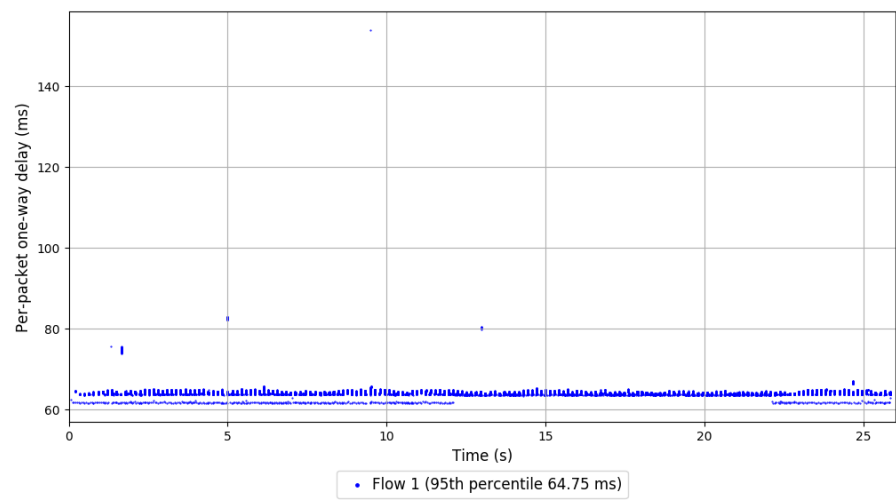
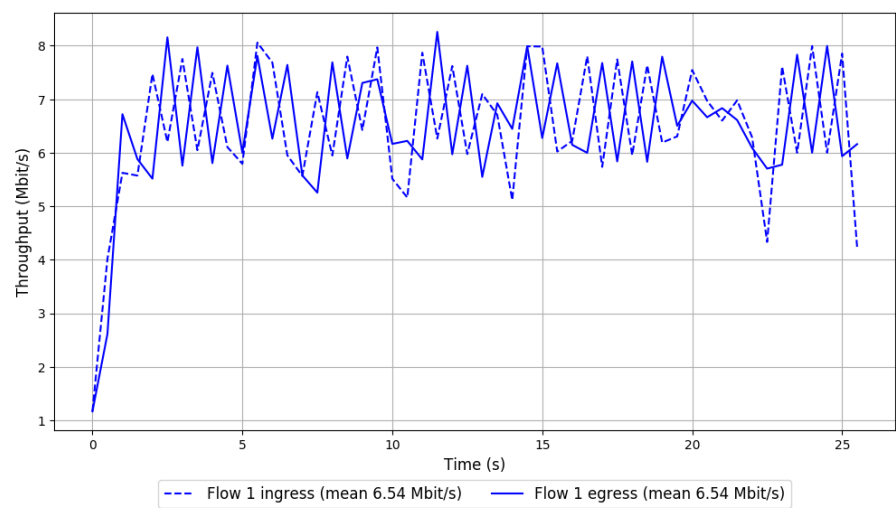
-- Flow 1:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 64.753 ms

Loss rate: 0.01%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-17 01:19:38

End at: 2018-01-17 01:20:08

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 64.800 ms

Loss rate: 0.00%

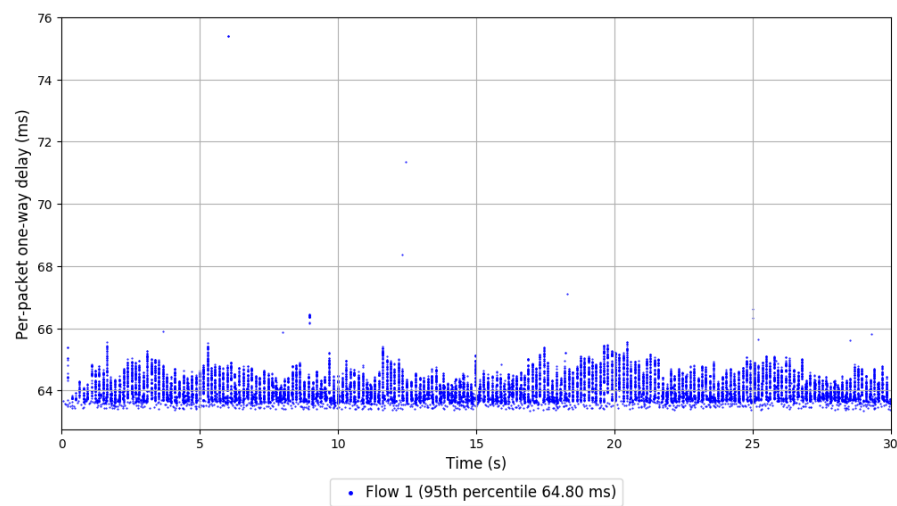
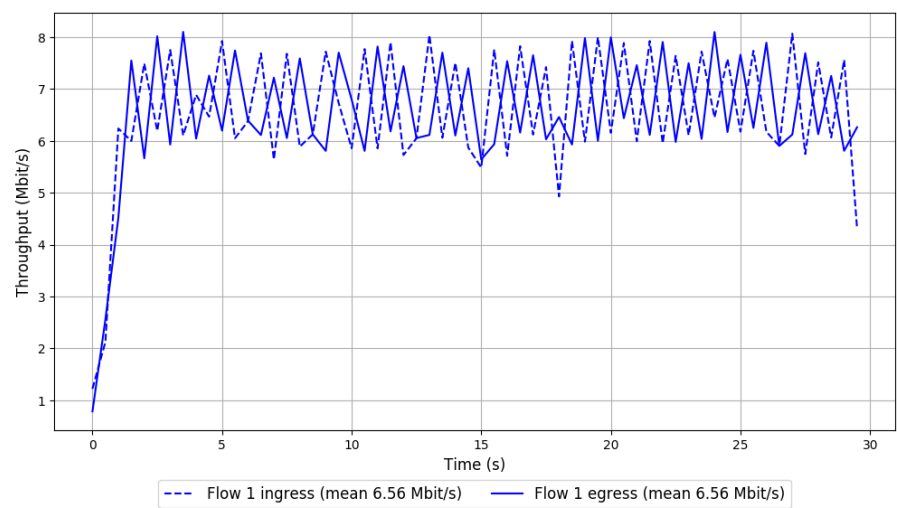
-- Flow 1:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 64.800 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-17 01:34:07

End at: 2018-01-17 01:34:37

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 64.614 ms

Loss rate: 0.07%

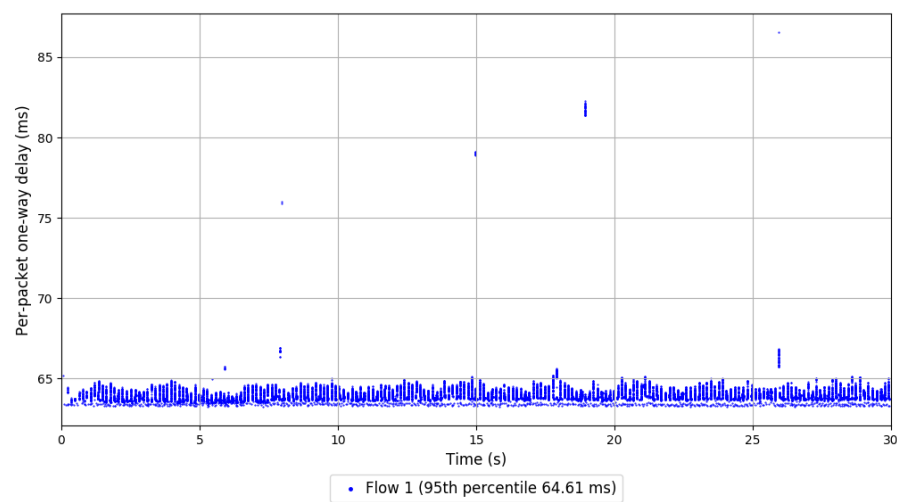
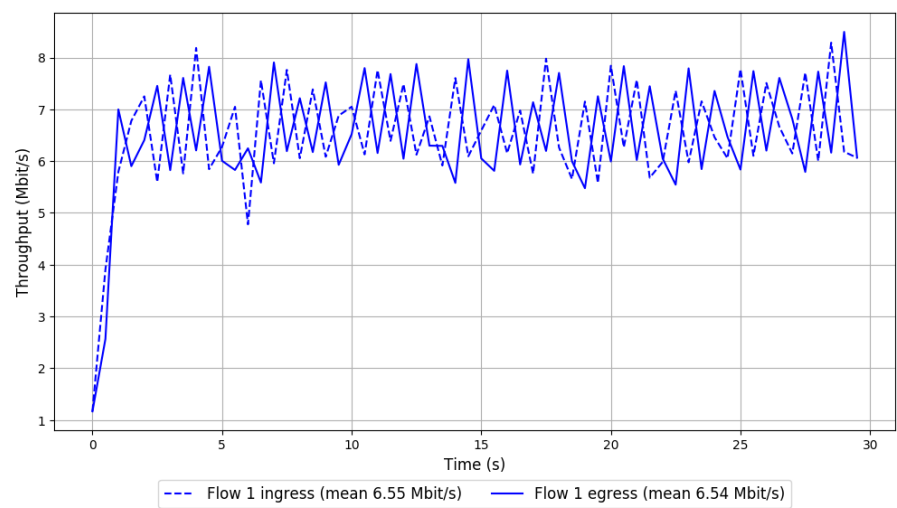
-- Flow 1:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 64.614 ms

Loss rate: 0.07%

Run 4: Report of Sprout — Data Link

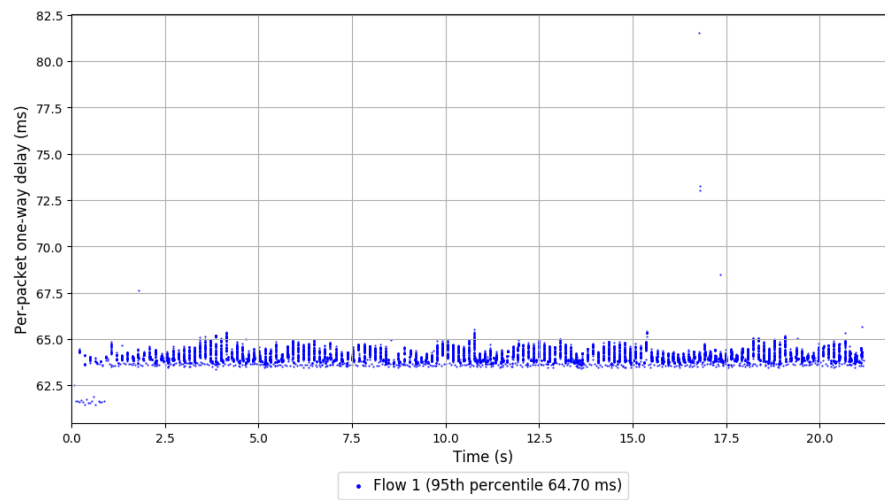
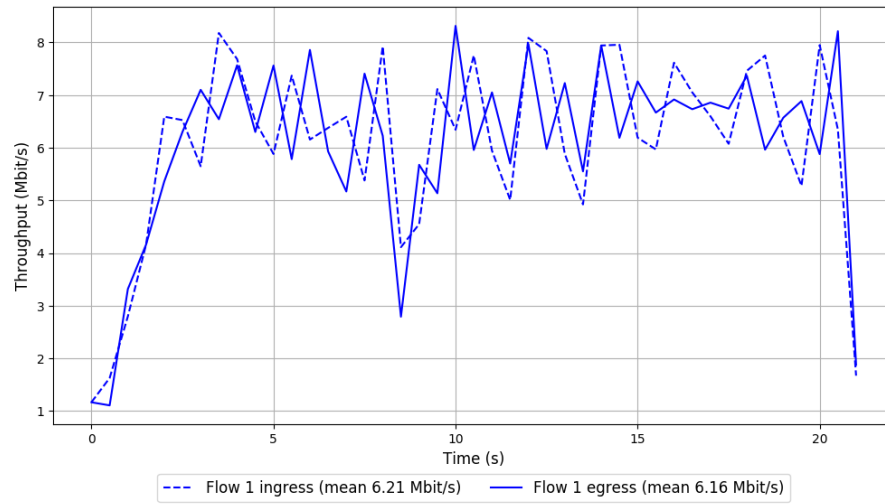


Run 5: Statistics of Sprout

Start at: 2018-01-17 01:47:55

End at: 2018-01-17 01:48:25

Run 5: Report of Sprout — Data Link

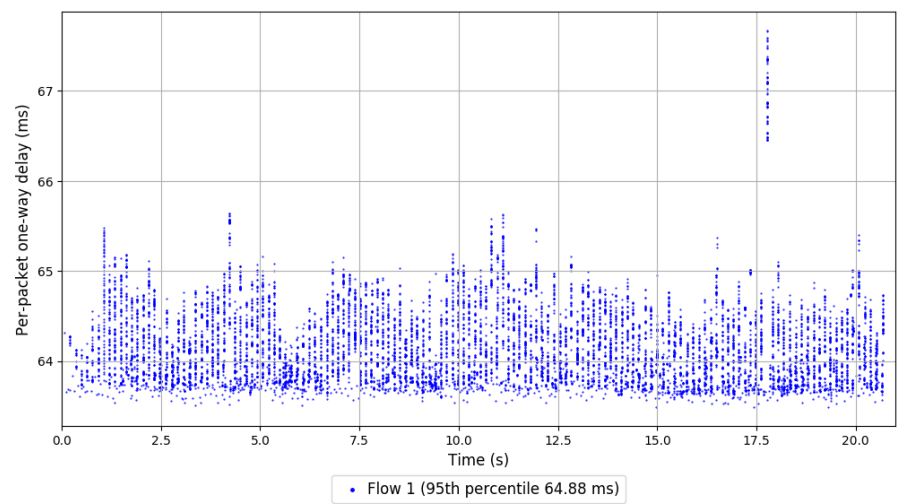
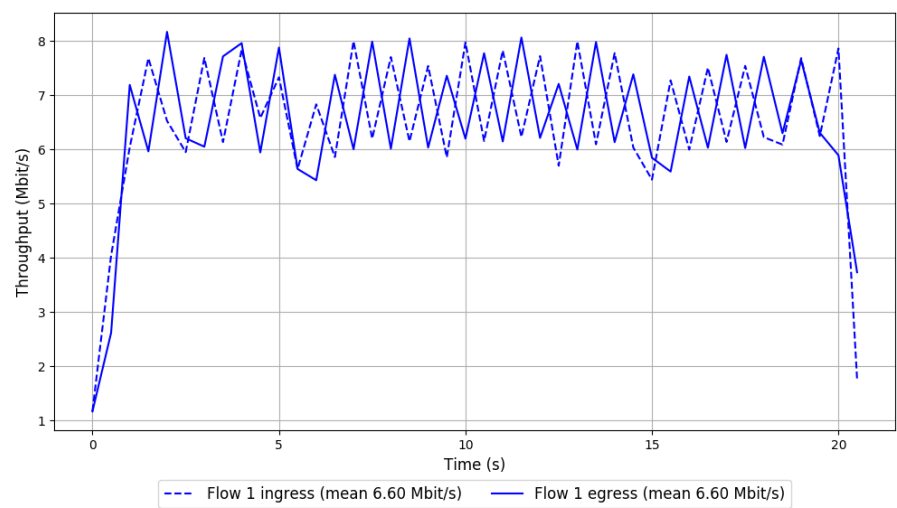


Run 6: Statistics of Sprout

Start at: 2018-01-17 02:02:13

End at: 2018-01-17 02:02:43

Run 6: Report of Sprout — Data Link

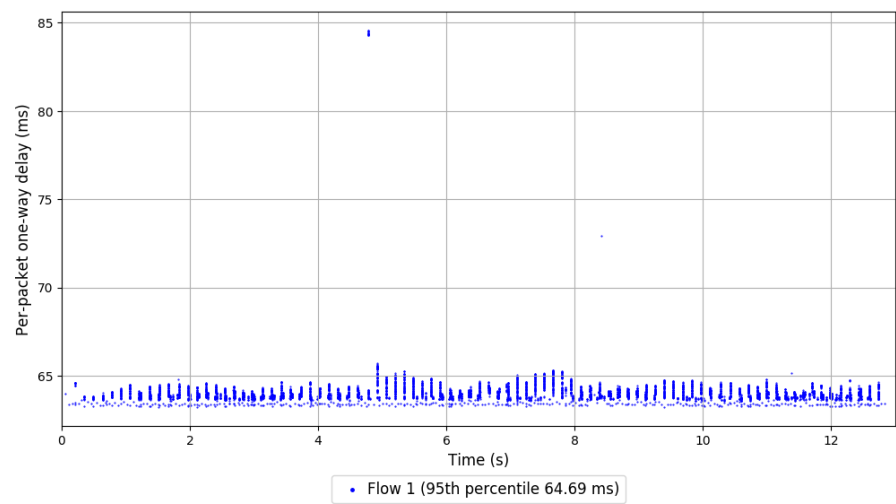
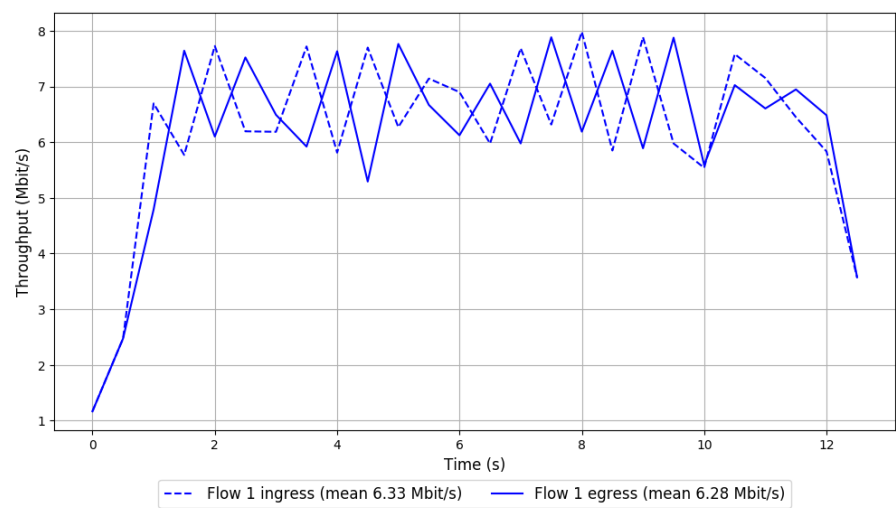


Run 7: Statistics of Sprout

Start at: 2018-01-17 02:16:39

End at: 2018-01-17 02:17:09

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-17 02:30:58

End at: 2018-01-17 02:31:28

Below is generated by plot.py at 2018-01-17 04:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.15 Mbit/s

95th percentile per-packet one-way delay: 64.779 ms

Loss rate: 1.27%

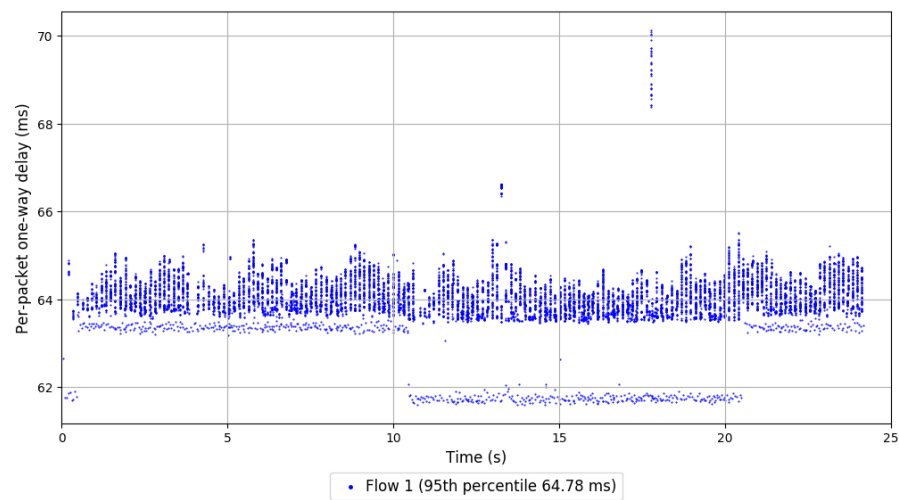
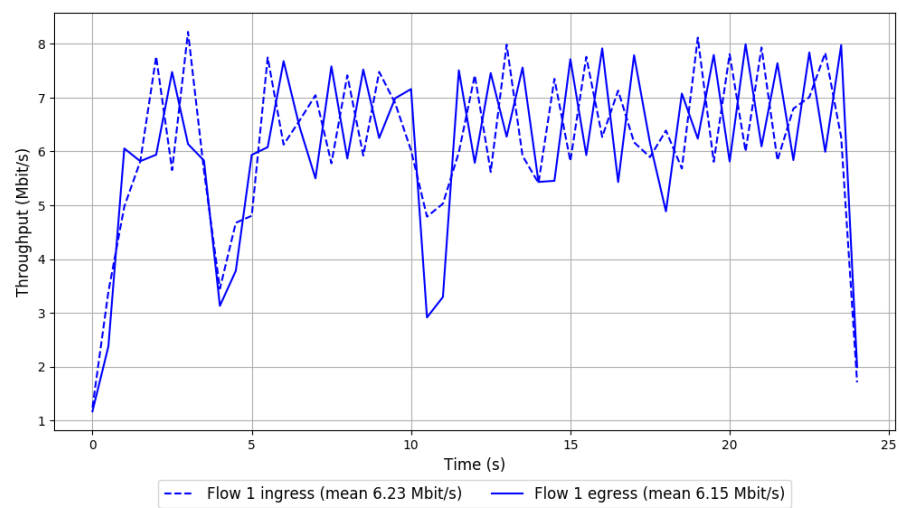
-- Flow 1:

Average throughput: 6.15 Mbit/s

95th percentile per-packet one-way delay: 64.779 ms

Loss rate: 1.27%

Run 8: Report of Sprout — Data Link

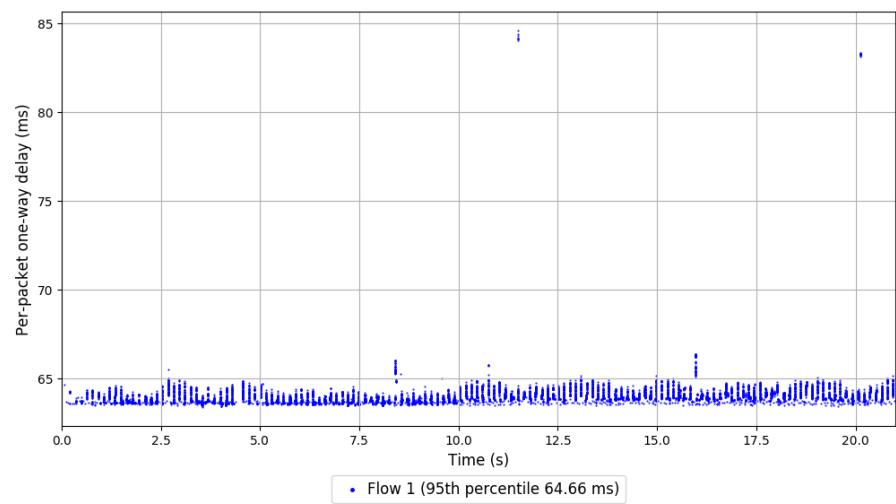
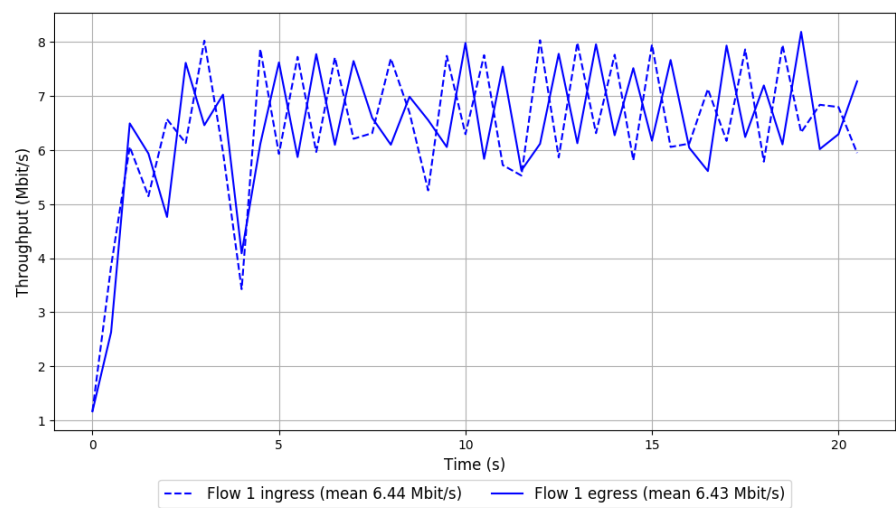


Run 9: Statistics of Sprout

Start at: 2018-01-17 02:45:15

End at: 2018-01-17 02:45:46

Run 9: Report of Sprout — Data Link

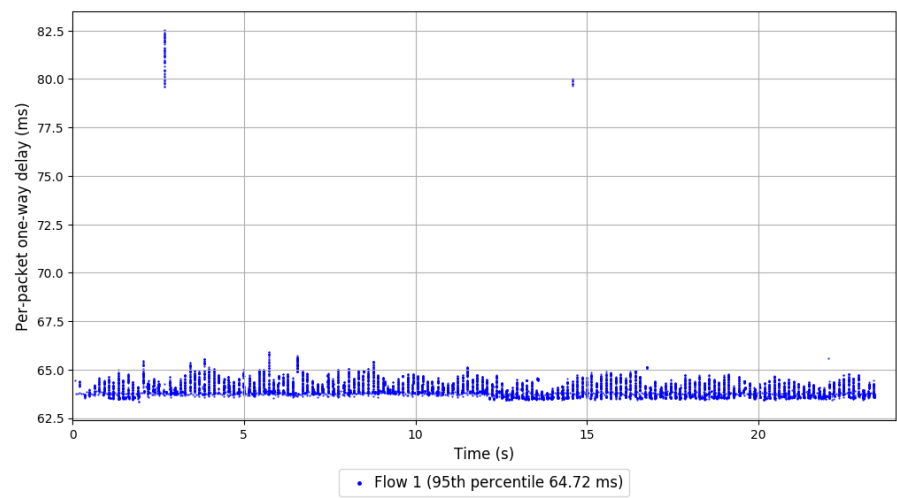
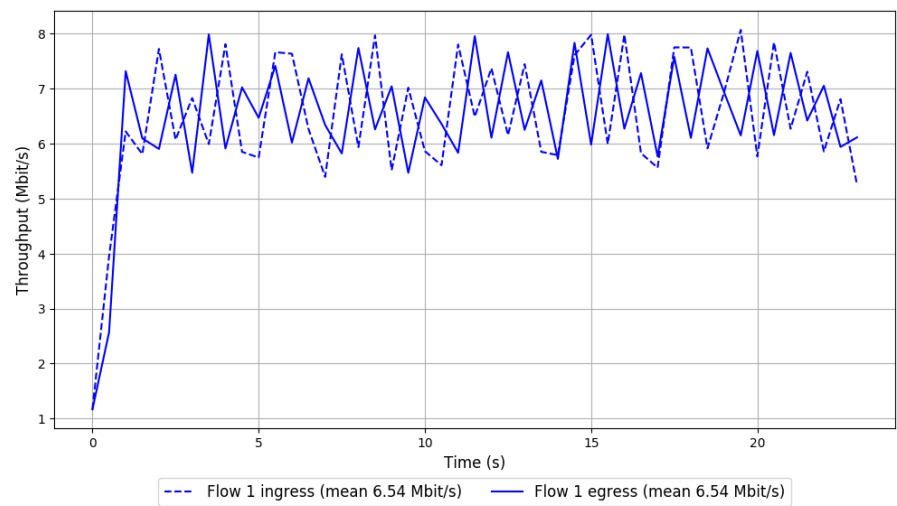


Run 10: Statistics of Sprout

Start at: 2018-01-17 02:59:46

End at: 2018-01-17 03:00:16

Run 10: Report of Sprout — Data Link

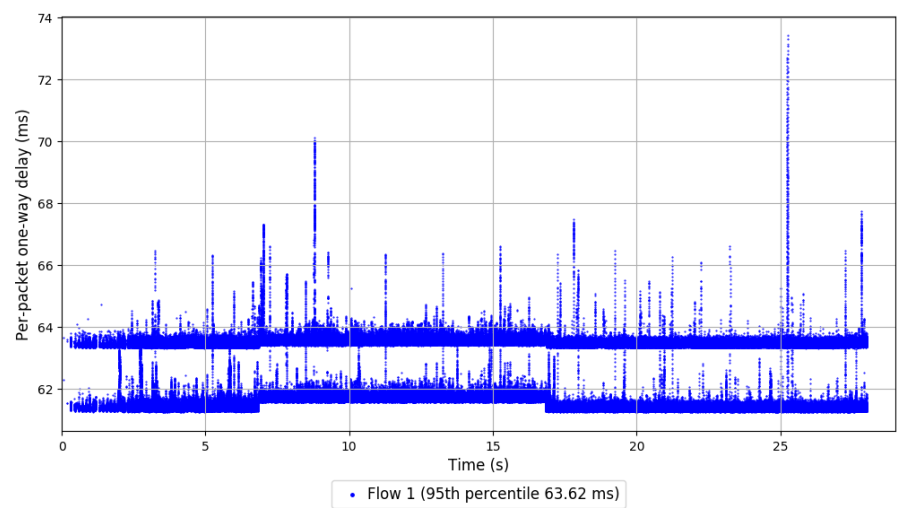
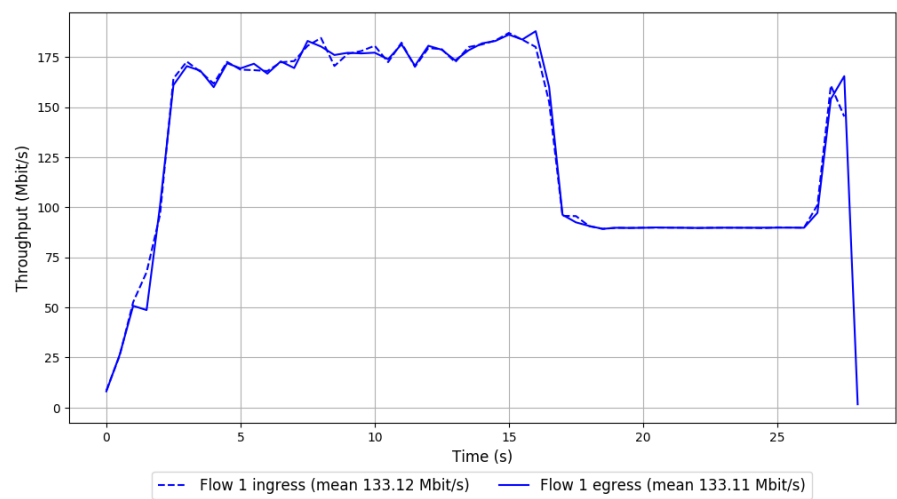


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-17 00:46:06
End at: 2018-01-17 00:46:36

# Below is generated by plot.py at 2018-01-17 04:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.11 Mbit/s
95th percentile per-packet one-way delay: 63.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.11 Mbit/s
95th percentile per-packet one-way delay: 63.621 ms
Loss rate: 0.00%
```


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

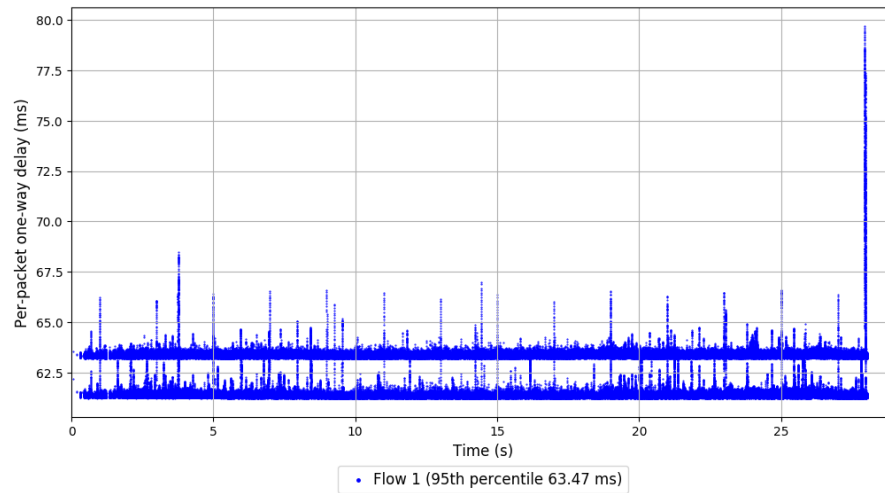
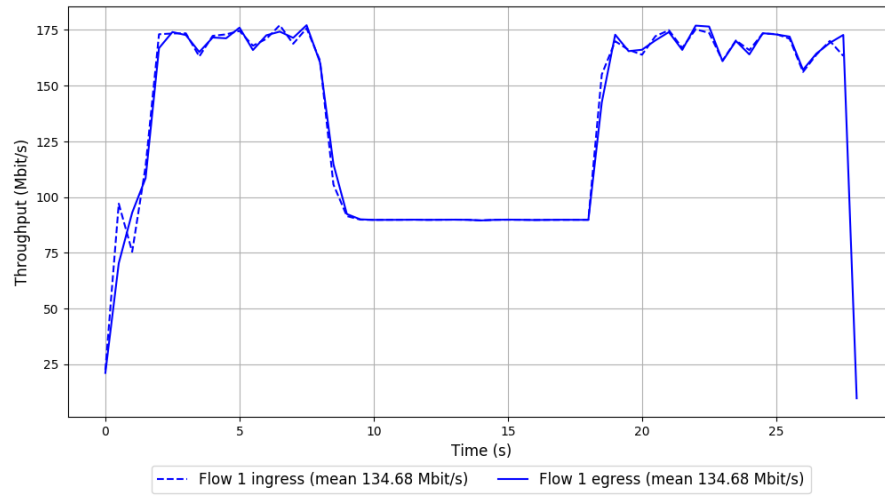


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-17 01:00:14
End at: 2018-01-17 01:00:44

# Below is generated by plot.py at 2018-01-17 04:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.68 Mbit/s
95th percentile per-packet one-way delay: 63.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.68 Mbit/s
95th percentile per-packet one-way delay: 63.471 ms
Loss rate: 0.00%
```

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

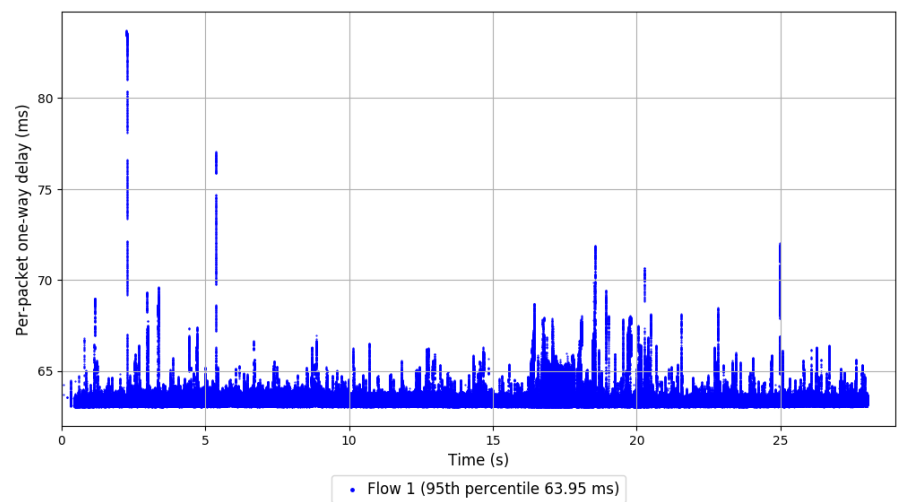
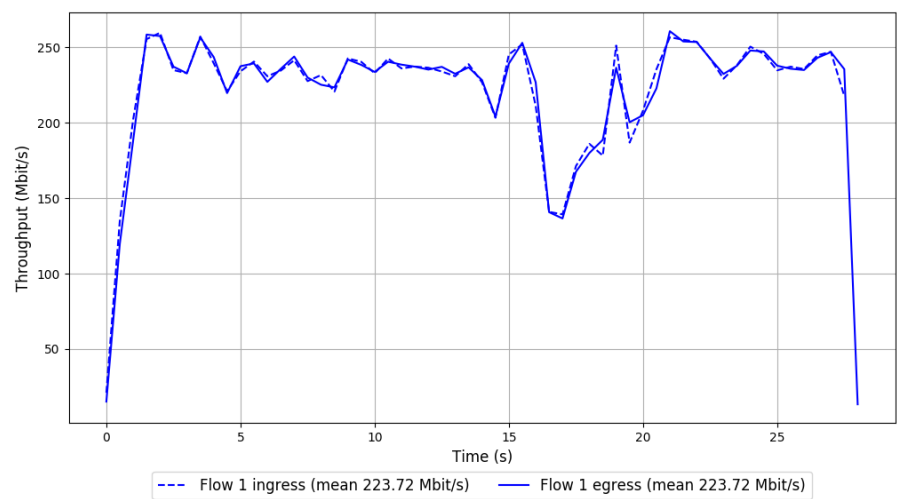


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-17 01:14:34
End at: 2018-01-17 01:15:04

# Below is generated by plot.py at 2018-01-17 04:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.72 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 223.72 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 0.01%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-17 01:28:42

End at: 2018-01-17 01:29:12

Below is generated by plot.py at 2018-01-17 04:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.63 Mbit/s

95th percentile per-packet one-way delay: 63.648 ms

Loss rate: 0.01%

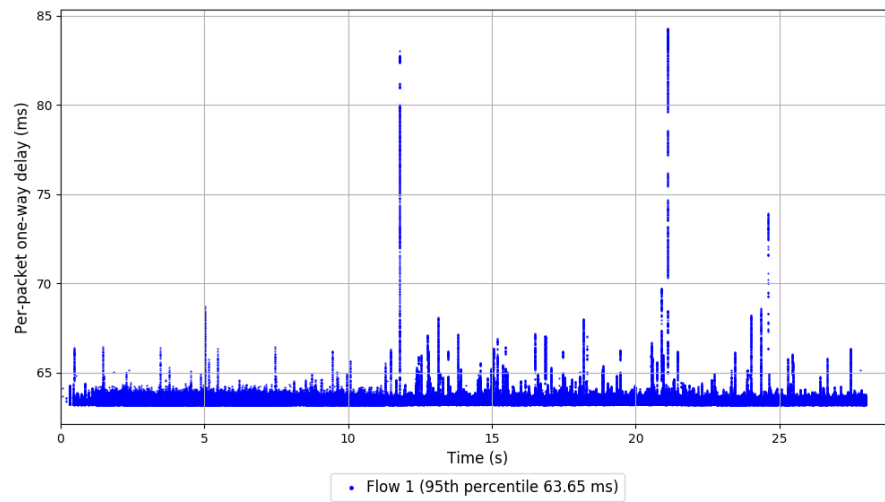
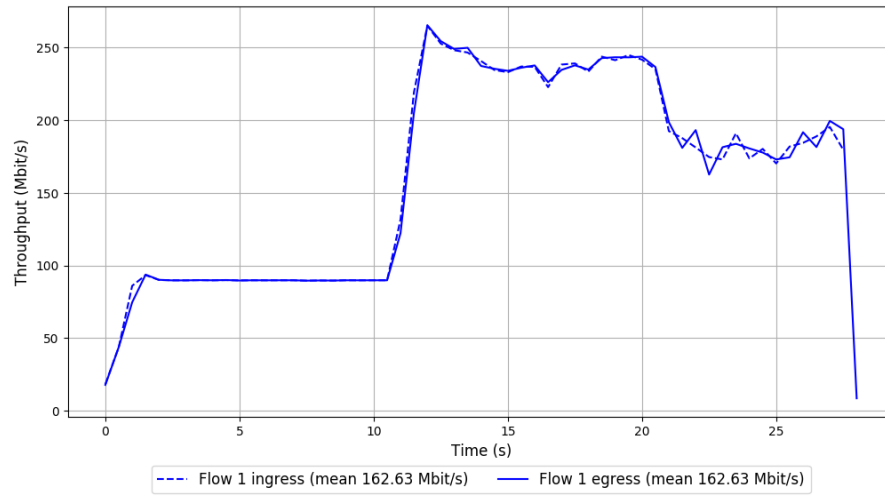
-- Flow 1:

Average throughput: 162.63 Mbit/s

95th percentile per-packet one-way delay: 63.648 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-17 01:42:46

End at: 2018-01-17 01:43:16

Below is generated by plot.py at 2018-01-17 04:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 63.655 ms

Loss rate: 0.01%

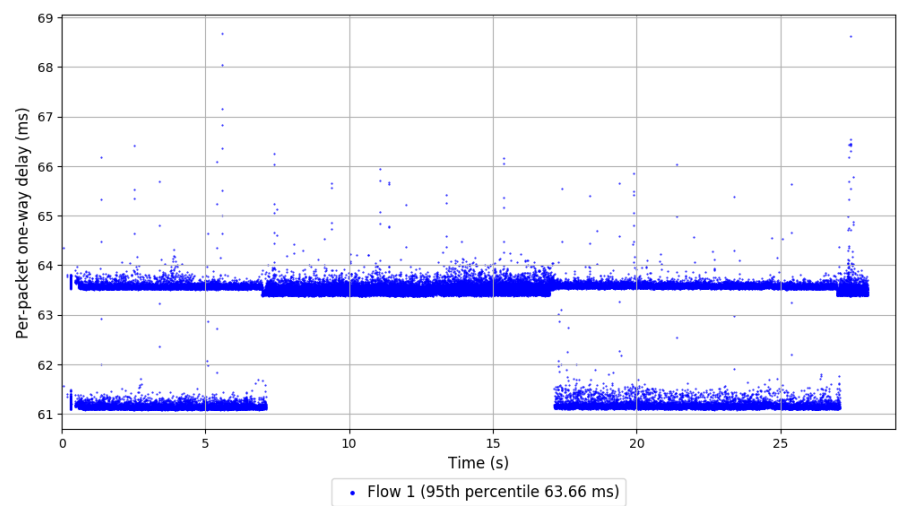
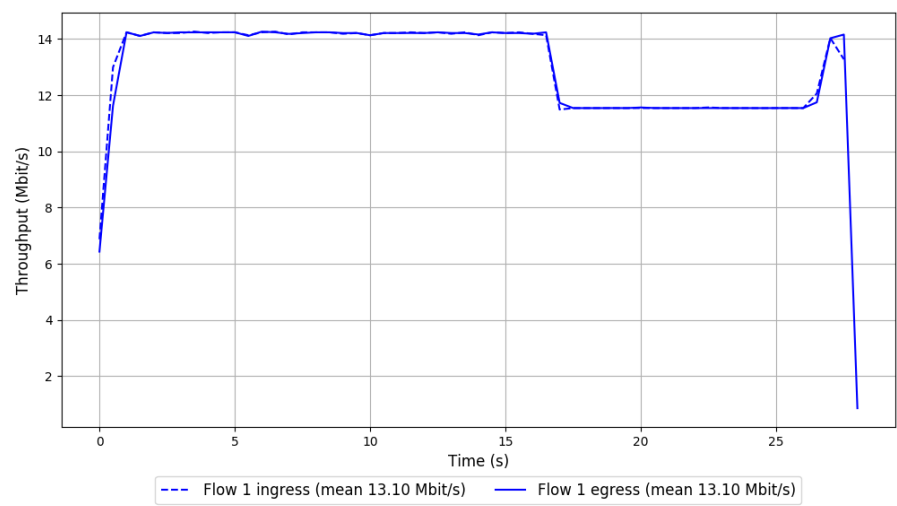
-- Flow 1:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 63.655 ms

Loss rate: 0.01%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-17 01:56:52

End at: 2018-01-17 01:57:22

Below is generated by plot.py at 2018-01-17 04:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.62 Mbit/s

95th percentile per-packet one-way delay: 67.664 ms

Loss rate: 0.01%

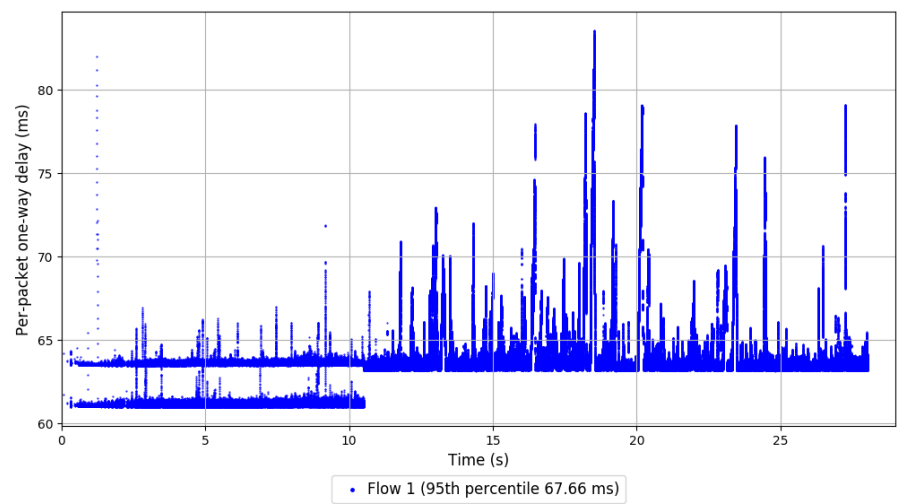
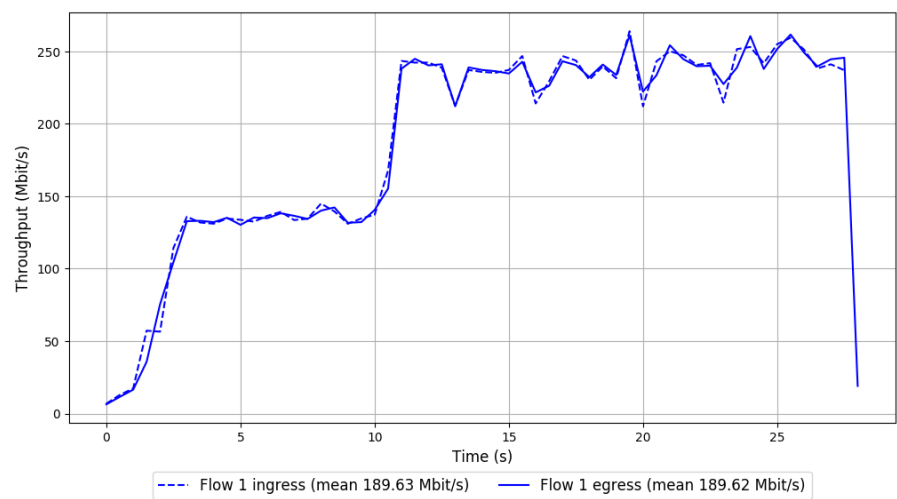
-- Flow 1:

Average throughput: 189.62 Mbit/s

95th percentile per-packet one-way delay: 67.664 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-17 02:11:22

End at: 2018-01-17 02:11:52

Below is generated by plot.py at 2018-01-17 04:50:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.01 Mbit/s

95th percentile per-packet one-way delay: 65.052 ms

Loss rate: 0.00%

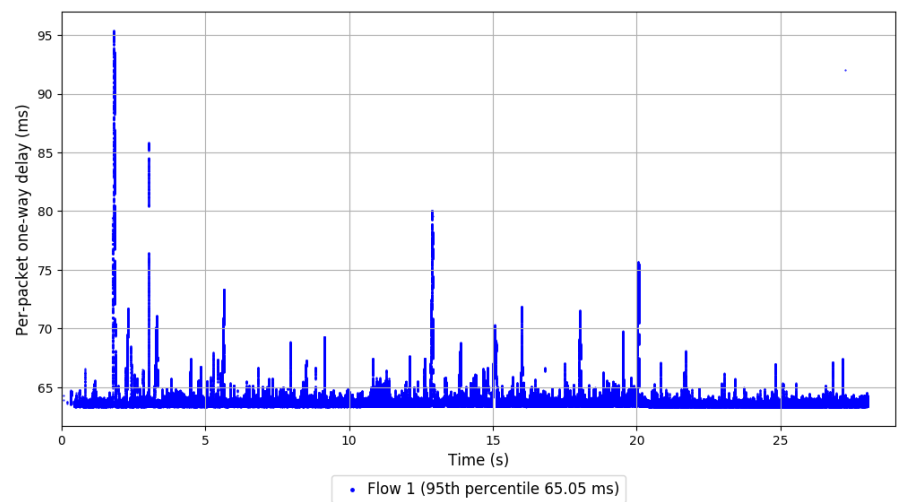
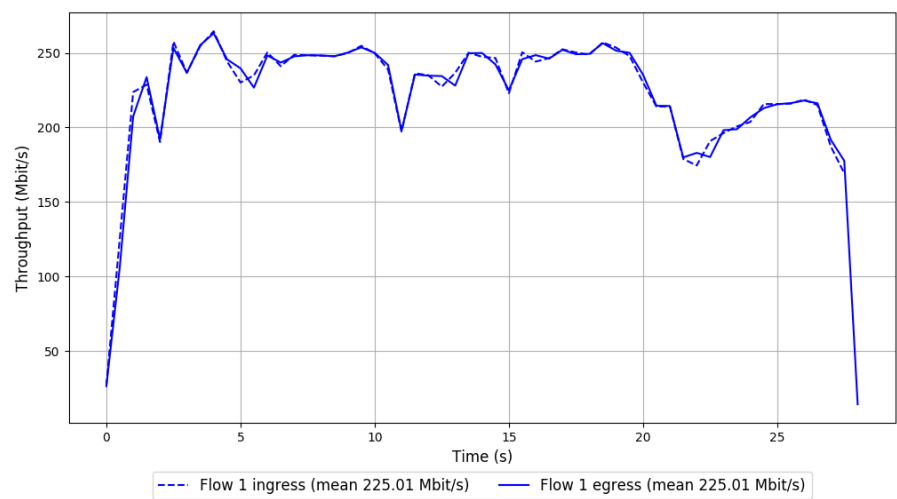
-- Flow 1:

Average throughput: 225.01 Mbit/s

95th percentile per-packet one-way delay: 65.052 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-17 02:25:39

End at: 2018-01-17 02:26:09

Below is generated by plot.py at 2018-01-17 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.22 Mbit/s

95th percentile per-packet one-way delay: 63.703 ms

Loss rate: 0.01%

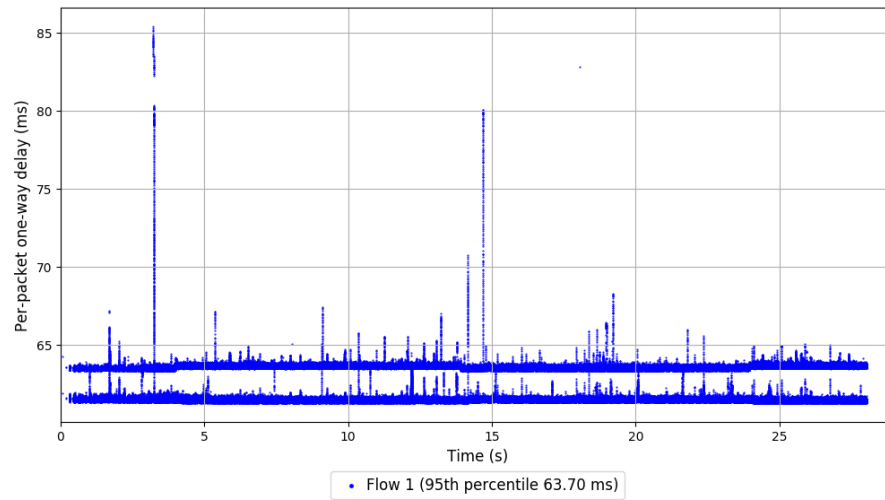
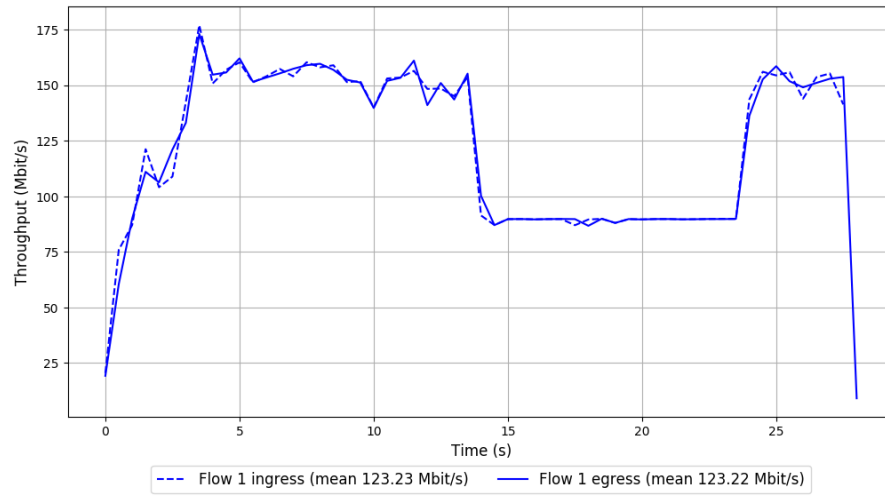
-- Flow 1:

Average throughput: 123.22 Mbit/s

95th percentile per-packet one-way delay: 63.703 ms

Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-17 02:39:58

End at: 2018-01-17 02:40:28

Below is generated by plot.py at 2018-01-17 04:51:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.22 Mbit/s

95th percentile per-packet one-way delay: 63.747 ms

Loss rate: 0.00%

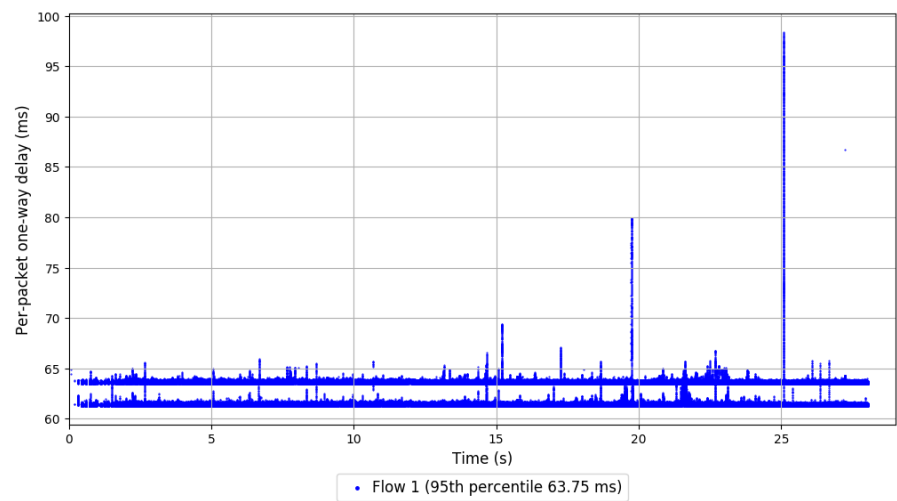
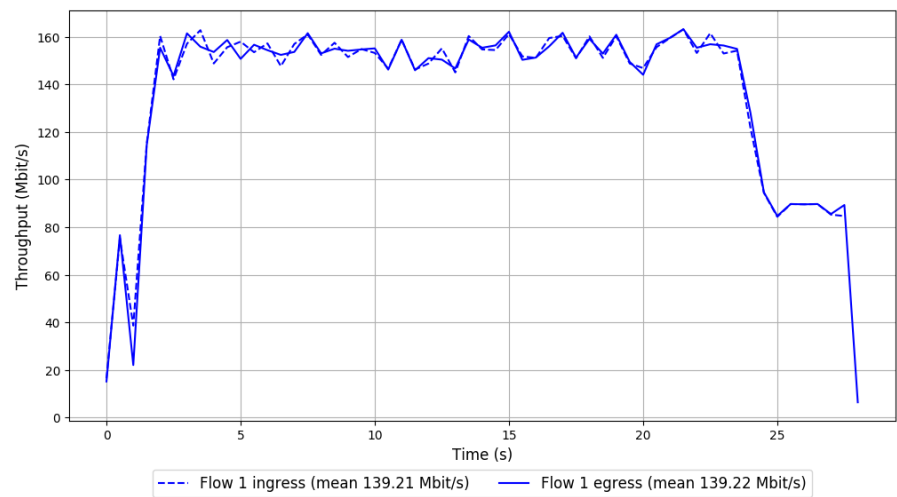
-- Flow 1:

Average throughput: 139.22 Mbit/s

95th percentile per-packet one-way delay: 63.747 ms

Loss rate: 0.00%

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

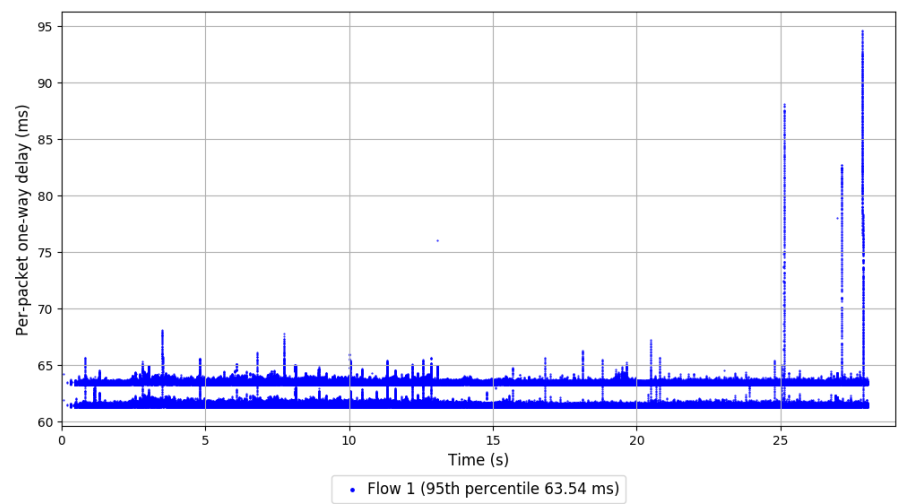
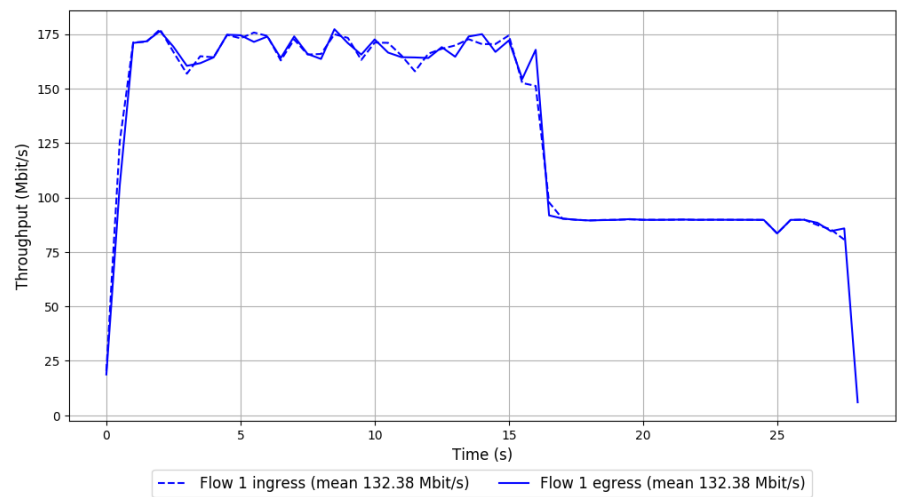


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-17 02:54:26
End at: 2018-01-17 02:54:56

# Below is generated by plot.py at 2018-01-17 04:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.38 Mbit/s
95th percentile per-packet one-way delay: 63.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.38 Mbit/s
95th percentile per-packet one-way delay: 63.540 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-17 00:47:50

End at: 2018-01-17 00:48:20

Below is generated by plot.py at 2018-01-17 04:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.45 Mbit/s

95th percentile per-packet one-way delay: 71.589 ms

Loss rate: 0.00%

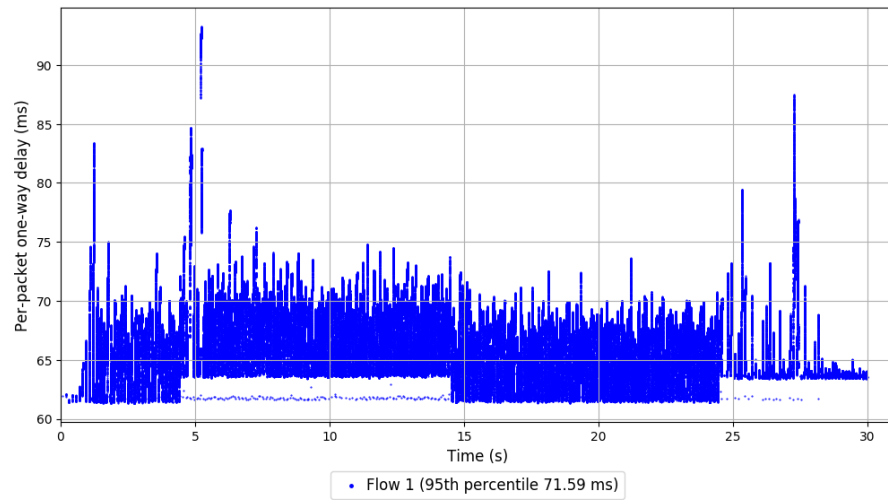
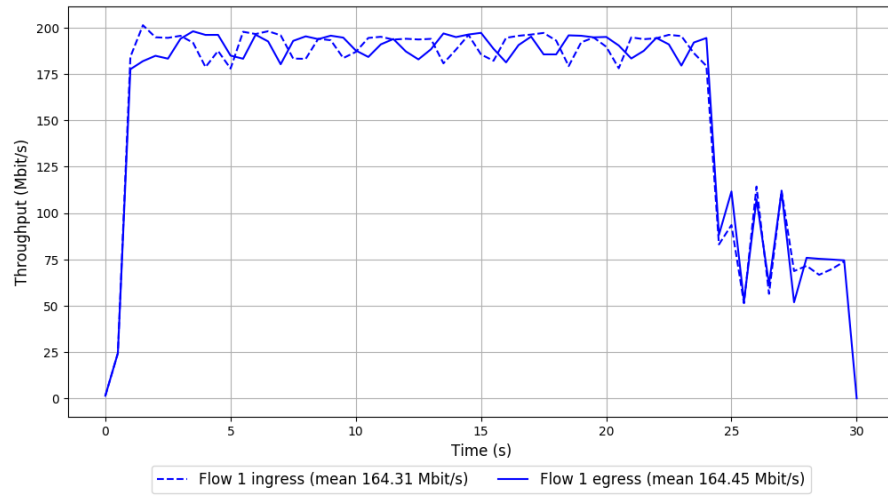
-- Flow 1:

Average throughput: 164.45 Mbit/s

95th percentile per-packet one-way delay: 71.589 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-17 01:01:58

End at: 2018-01-17 01:02:28

Below is generated by plot.py at 2018-01-17 04:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 65.182 ms

Loss rate: 0.00%

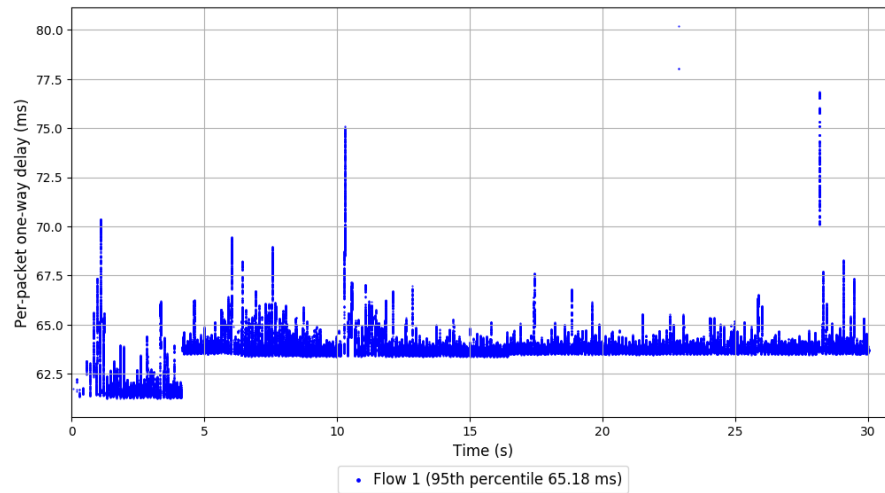
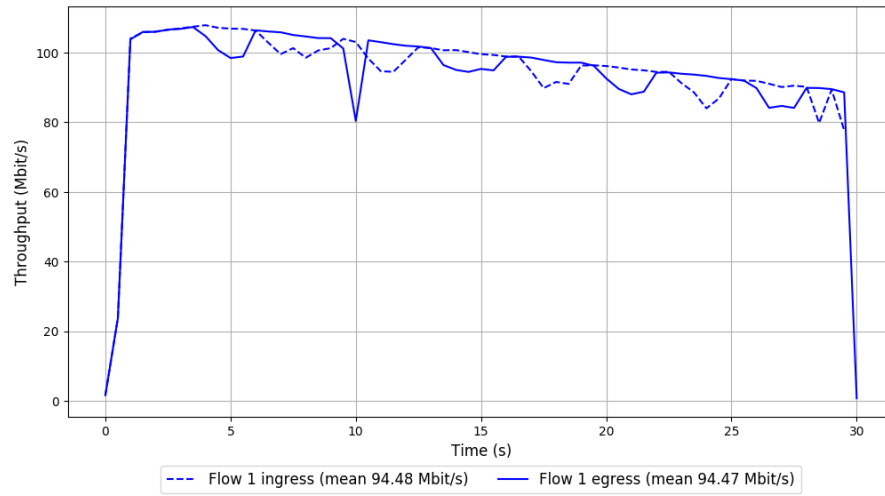
-- Flow 1:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 65.182 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-17 01:16:25

End at: 2018-01-17 01:16:55

Below is generated by plot.py at 2018-01-17 04:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.70 Mbit/s

95th percentile per-packet one-way delay: 64.469 ms

Loss rate: 0.00%

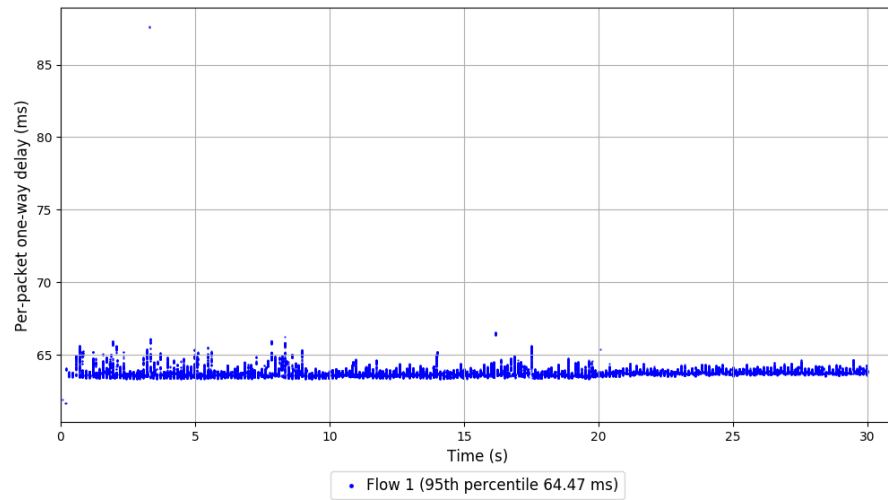
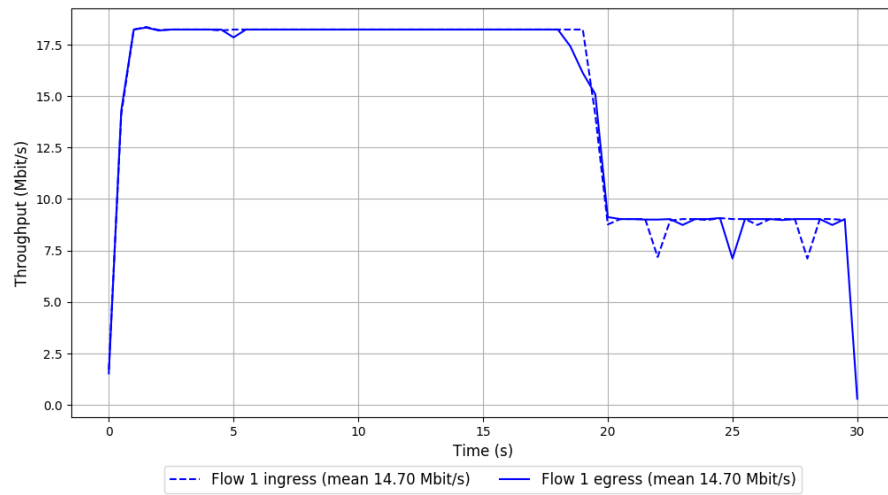
-- Flow 1:

Average throughput: 14.70 Mbit/s

95th percentile per-packet one-way delay: 64.469 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-17 01:30:28

End at: 2018-01-17 01:30:58

Below is generated by plot.py at 2018-01-17 04:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 64.521 ms

Loss rate: 0.00%

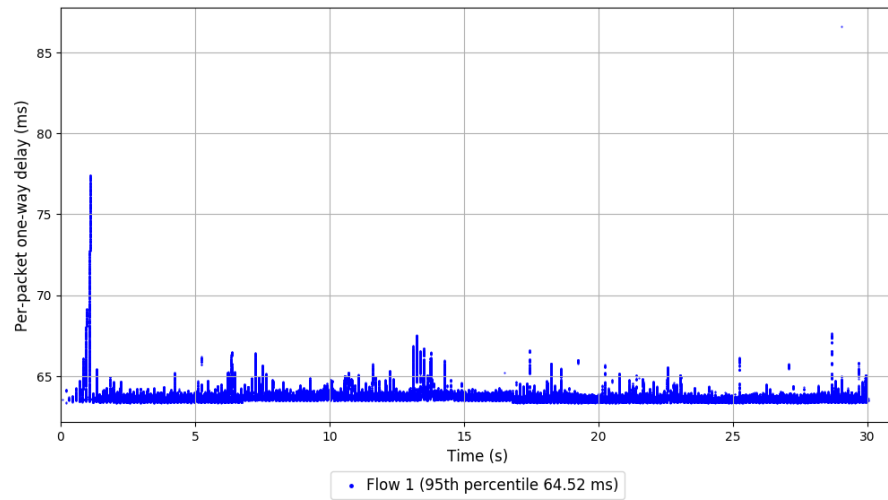
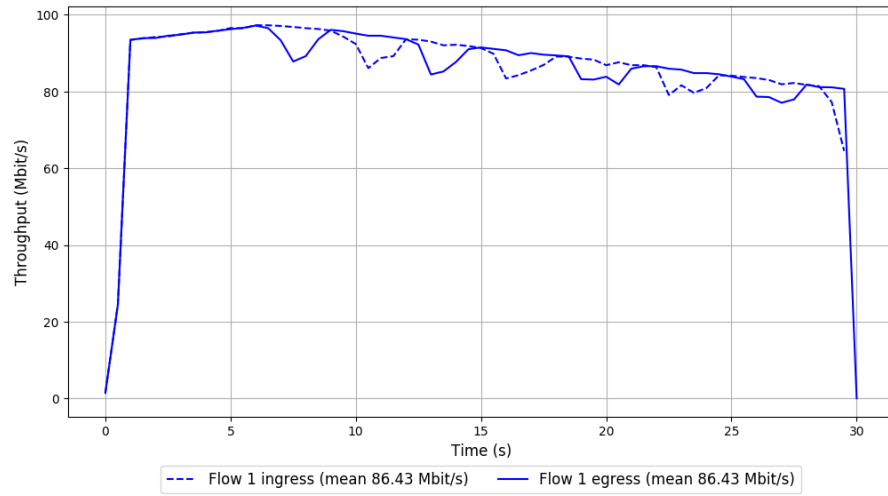
-- Flow 1:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 64.521 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-17 01:44:20

End at: 2018-01-17 01:44:50

Below is generated by plot.py at 2018-01-17 04:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.22 Mbit/s

95th percentile per-packet one-way delay: 65.294 ms

Loss rate: 0.00%

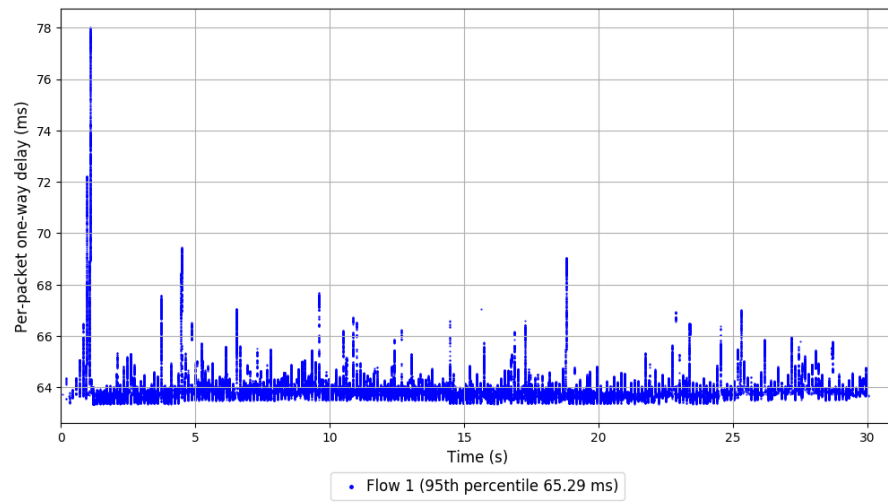
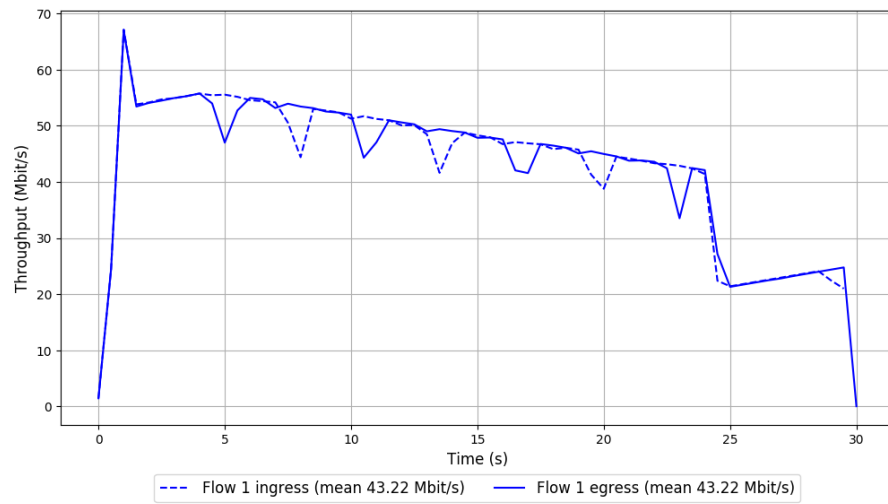
-- Flow 1:

Average throughput: 43.22 Mbit/s

95th percentile per-packet one-way delay: 65.294 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-17 01:58:38

End at: 2018-01-17 01:59:08

Below is generated by plot.py at 2018-01-17 04:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.63 Mbit/s

95th percentile per-packet one-way delay: 65.299 ms

Loss rate: 0.00%

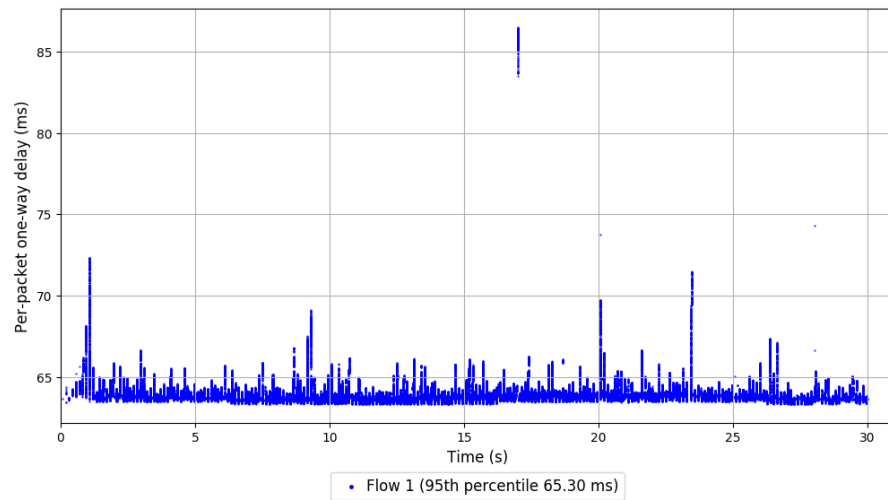
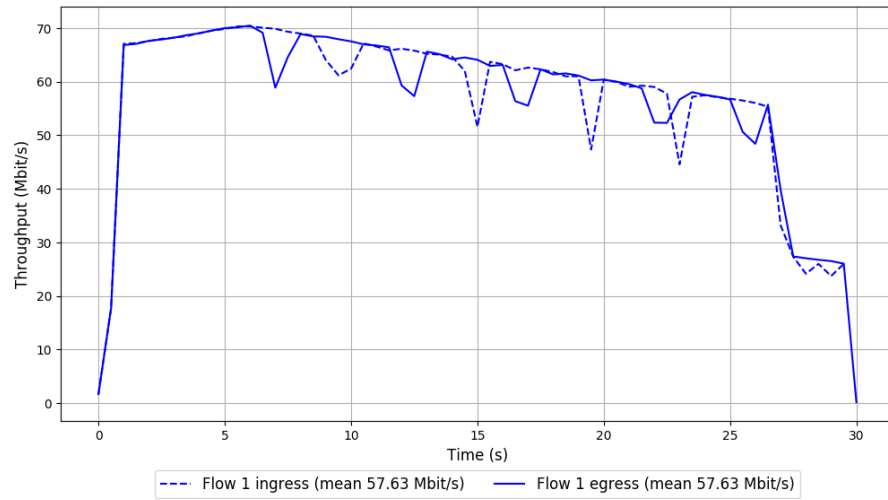
-- Flow 1:

Average throughput: 57.63 Mbit/s

95th percentile per-packet one-way delay: 65.299 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-17 02:13:13

End at: 2018-01-17 02:13:43

Below is generated by plot.py at 2018-01-17 04:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.17 Mbit/s

95th percentile per-packet one-way delay: 64.304 ms

Loss rate: 0.00%

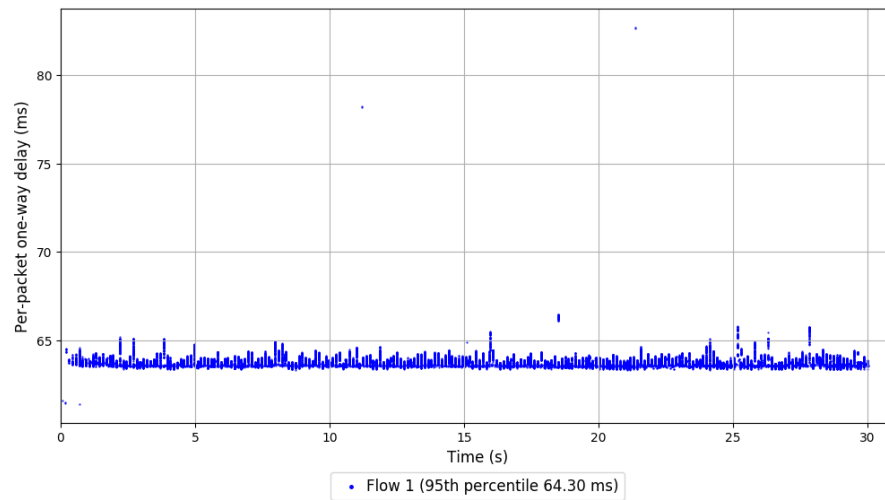
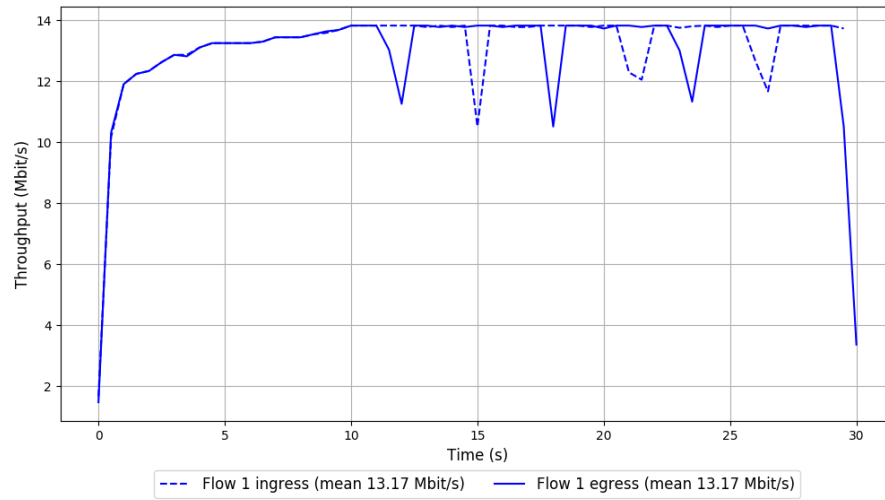
-- Flow 1:

Average throughput: 13.17 Mbit/s

95th percentile per-packet one-way delay: 64.304 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-17 02:27:21

End at: 2018-01-17 02:27:51

Below is generated by plot.py at 2018-01-17 04:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.92 Mbit/s

95th percentile per-packet one-way delay: 64.846 ms

Loss rate: 0.00%

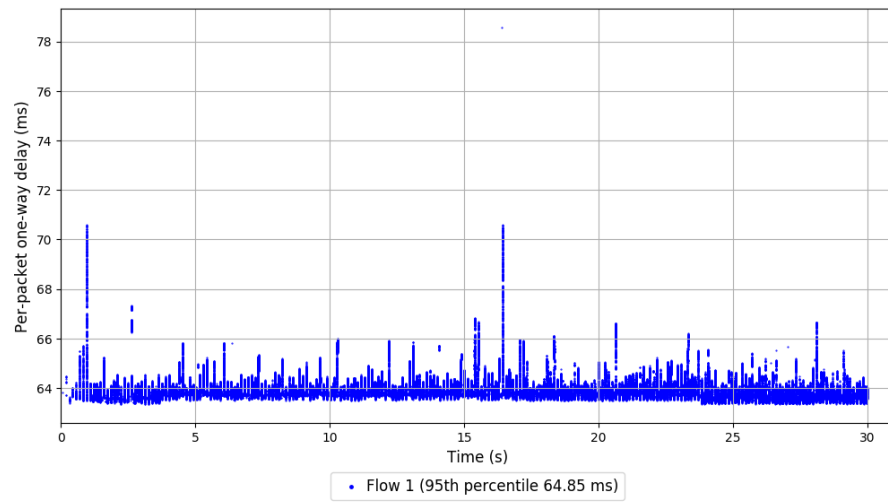
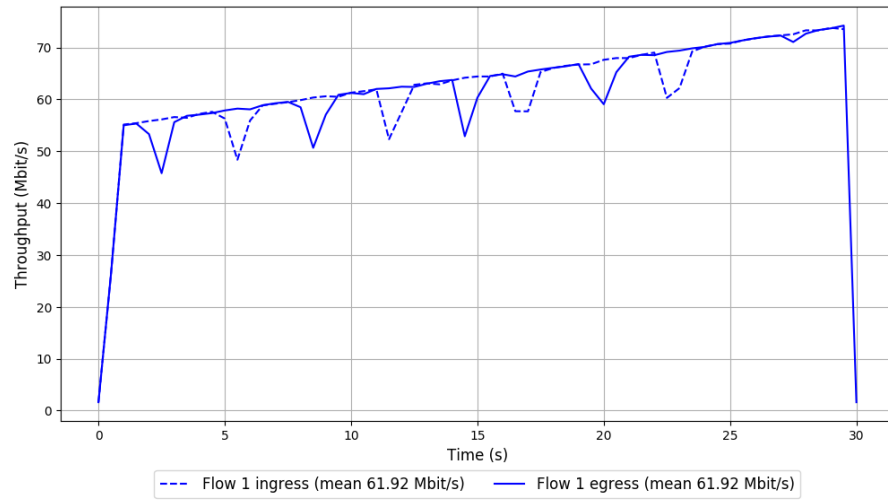
-- Flow 1:

Average throughput: 61.92 Mbit/s

95th percentile per-packet one-way delay: 64.846 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-17 02:41:40

End at: 2018-01-17 02:42:10

Below is generated by plot.py at 2018-01-17 04:52:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.60 Mbit/s

95th percentile per-packet one-way delay: 64.409 ms

Loss rate: 1.24%

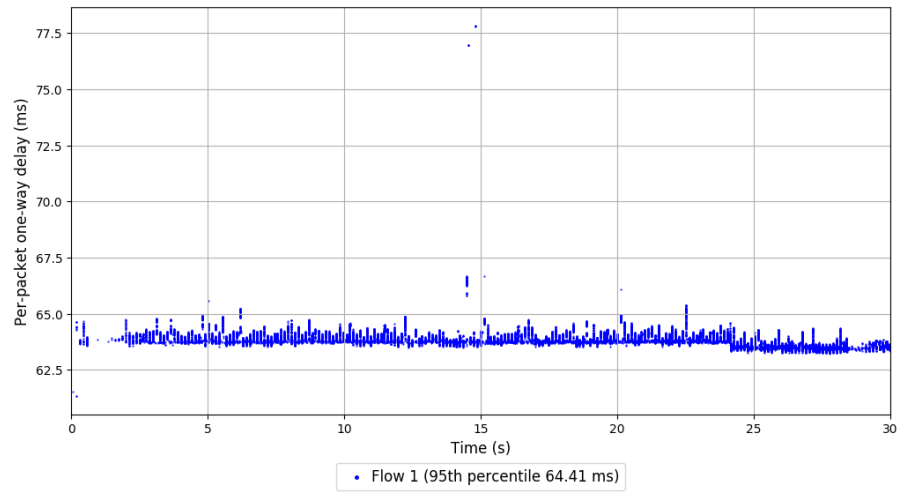
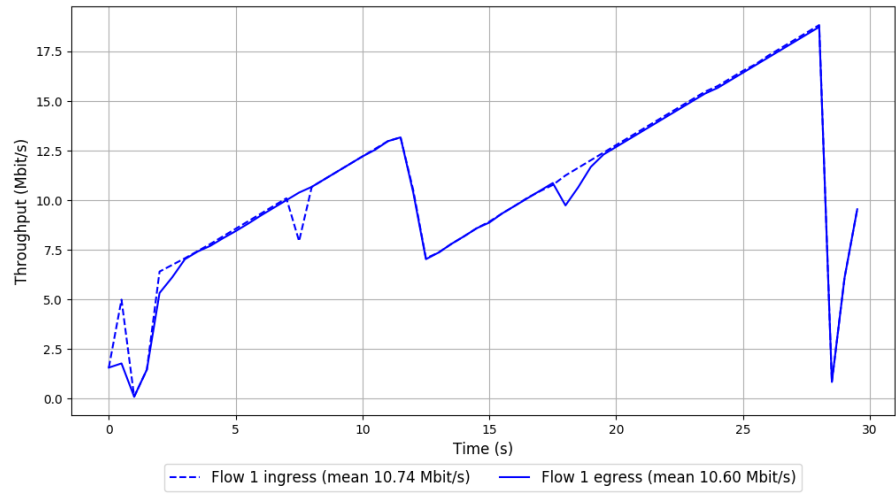
-- Flow 1:

Average throughput: 10.60 Mbit/s

95th percentile per-packet one-way delay: 64.409 ms

Loss rate: 1.24%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-17 02:56:11

End at: 2018-01-17 02:56:41

Below is generated by plot.py at 2018-01-17 04:52:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.68 Mbit/s

95th percentile per-packet one-way delay: 65.920 ms

Loss rate: 0.02%

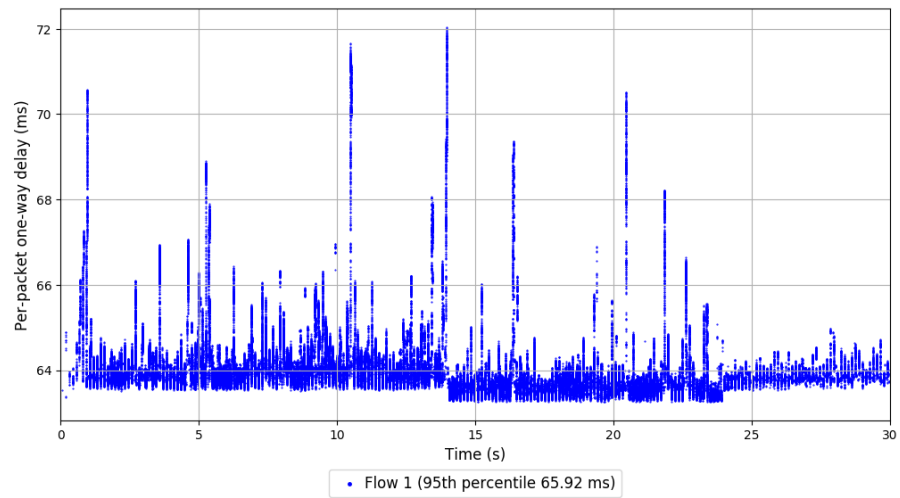
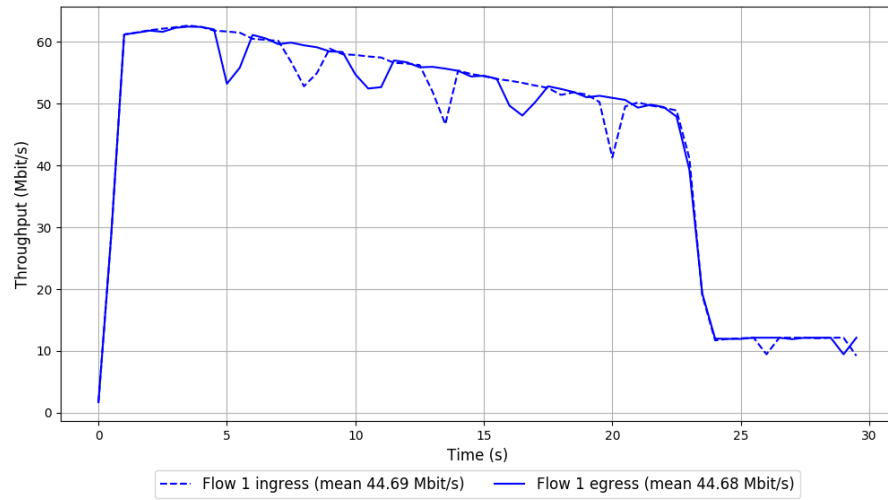
-- Flow 1:

Average throughput: 44.68 Mbit/s

95th percentile per-packet one-way delay: 65.920 ms

Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-17 00:56:48

End at: 2018-01-17 00:57:18

Below is generated by plot.py at 2018-01-17 04:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.69 Mbit/s

95th percentile per-packet one-way delay: 101.931 ms

Loss rate: 0.98%

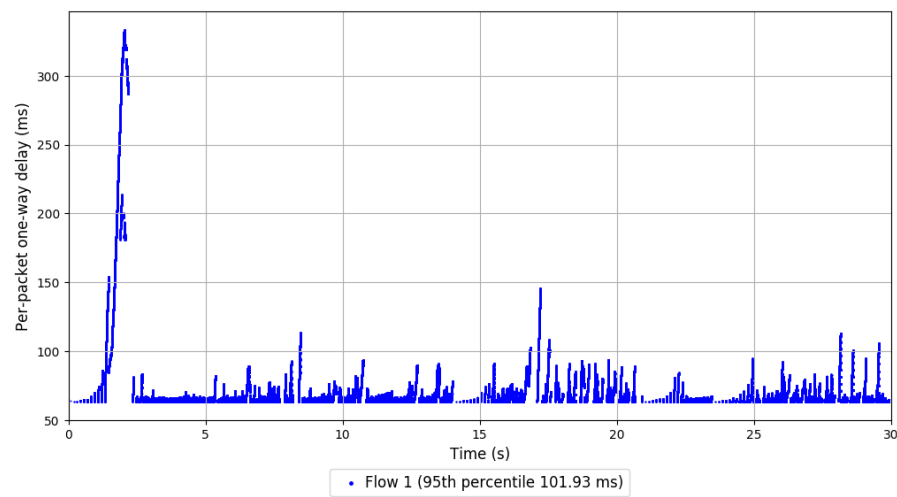
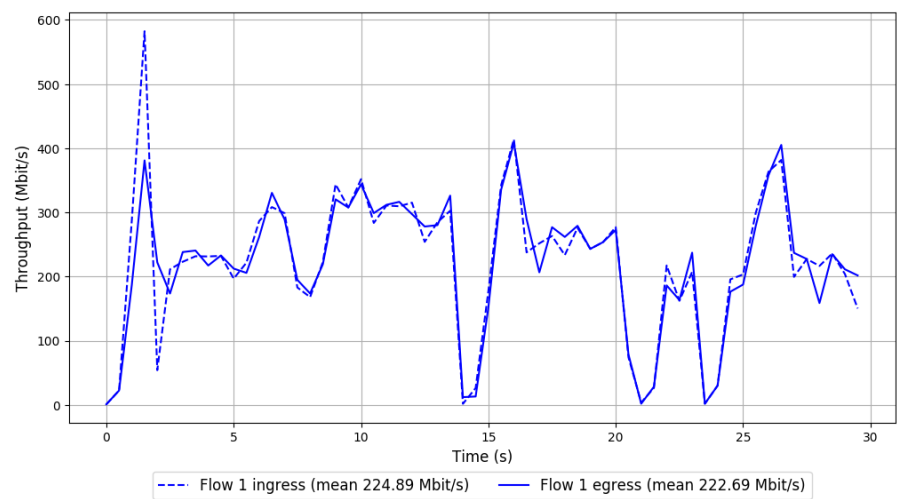
-- Flow 1:

Average throughput: 222.69 Mbit/s

95th percentile per-packet one-way delay: 101.931 ms

Loss rate: 0.98%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-17 01:10:59

End at: 2018-01-17 01:11:29

Below is generated by plot.py at 2018-01-17 04:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.64 Mbit/s

95th percentile per-packet one-way delay: 88.297 ms

Loss rate: 1.02%

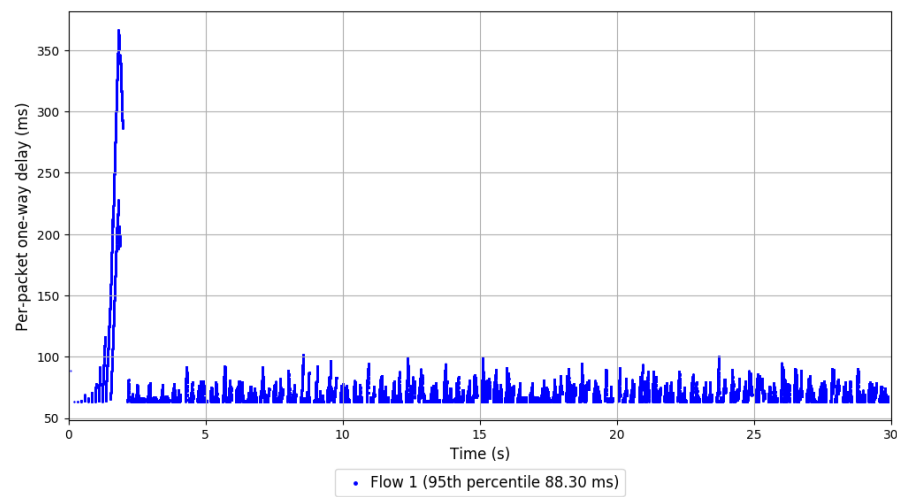
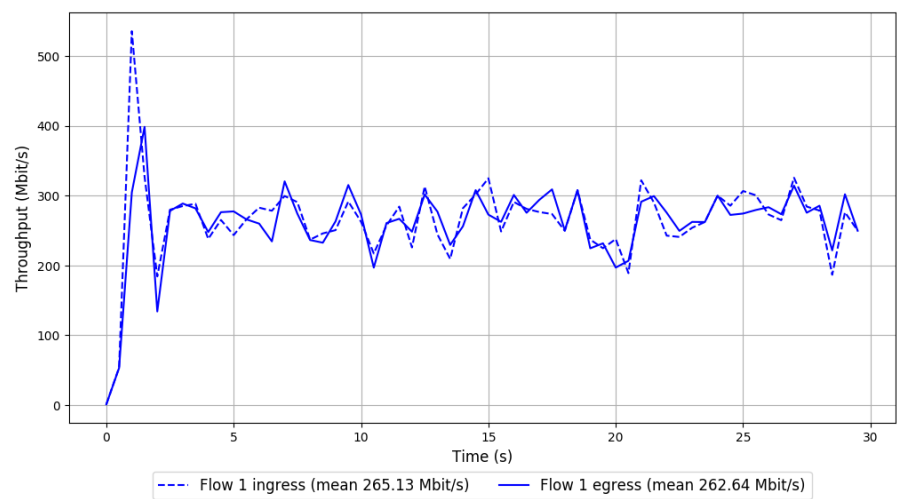
-- Flow 1:

Average throughput: 262.64 Mbit/s

95th percentile per-packet one-way delay: 88.297 ms

Loss rate: 1.02%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-17 01:24:52

End at: 2018-01-17 01:25:22

Below is generated by plot.py at 2018-01-17 04:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.31 Mbit/s

95th percentile per-packet one-way delay: 264.468 ms

Loss rate: 4.30%

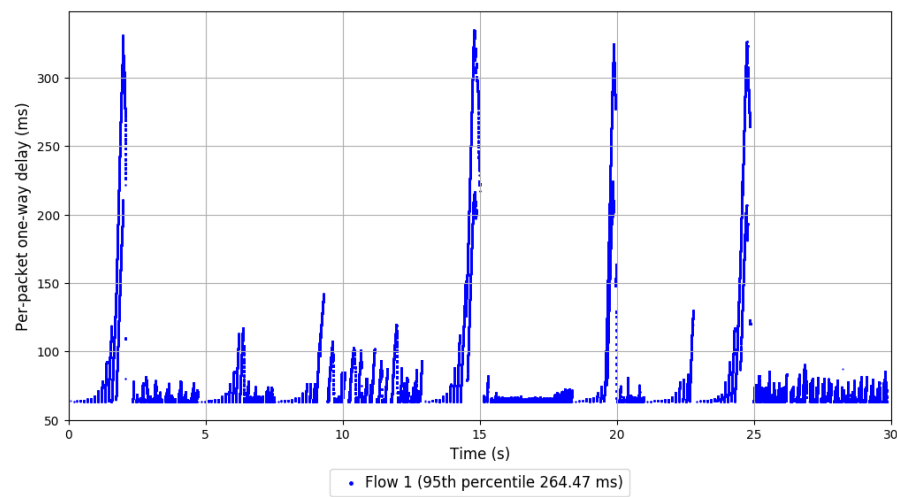
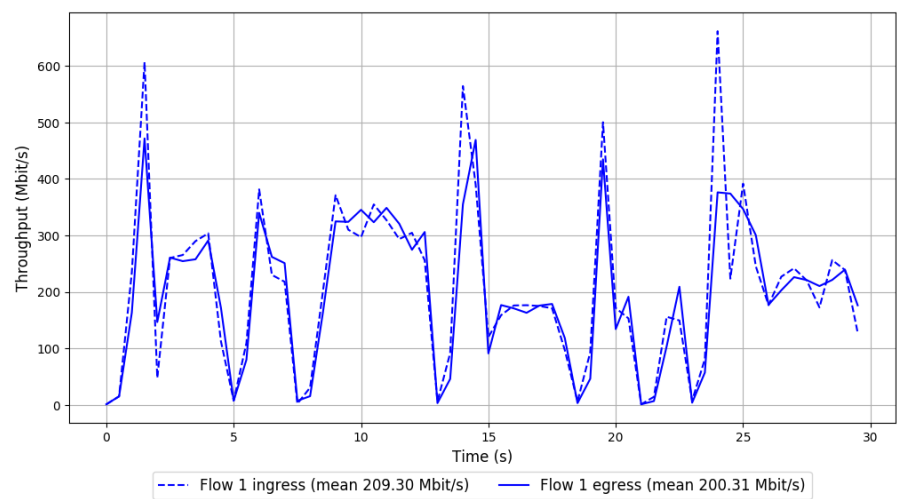
-- Flow 1:

Average throughput: 200.31 Mbit/s

95th percentile per-packet one-way delay: 264.468 ms

Loss rate: 4.30%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-17 01:39:15

End at: 2018-01-17 01:39:45

Below is generated by plot.py at 2018-01-17 04:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.14 Mbit/s

95th percentile per-packet one-way delay: 99.444 ms

Loss rate: 0.26%

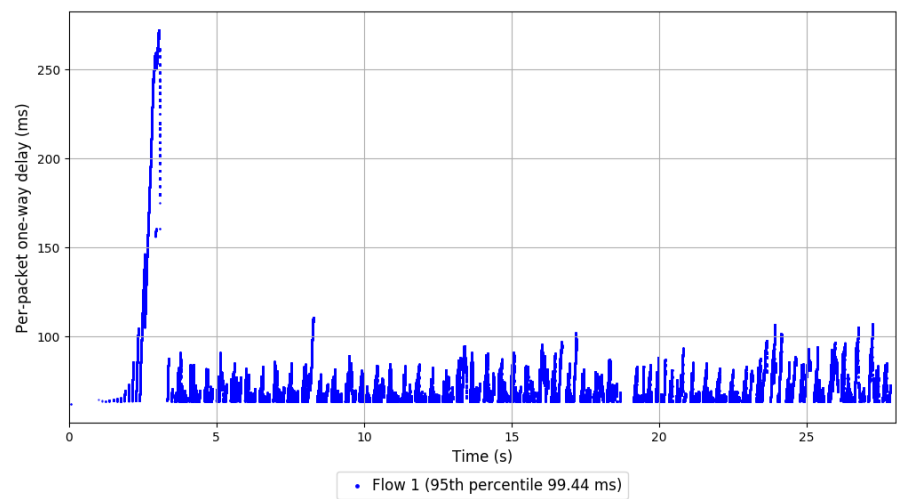
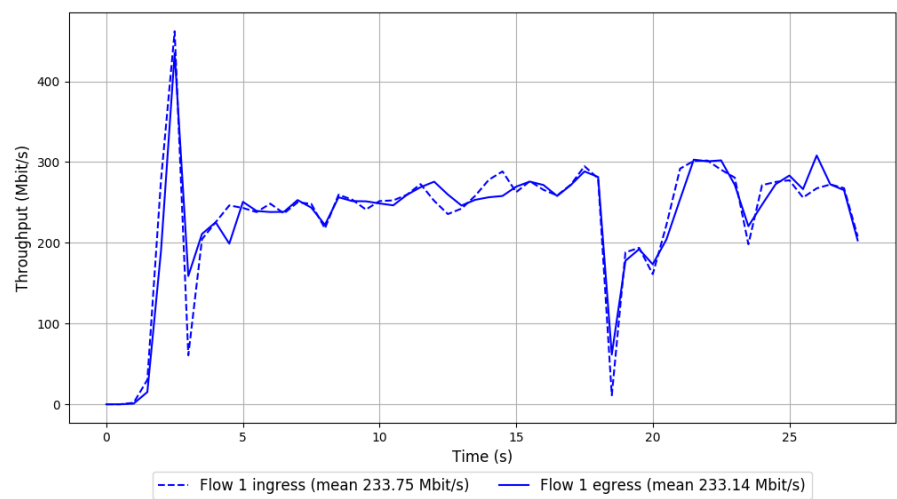
-- Flow 1:

Average throughput: 233.14 Mbit/s

95th percentile per-packet one-way delay: 99.444 ms

Loss rate: 0.26%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-17 01:53:02

End at: 2018-01-17 01:53:32

Below is generated by plot.py at 2018-01-17 04:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.38 Mbit/s

95th percentile per-packet one-way delay: 168.032 ms

Loss rate: 2.66%

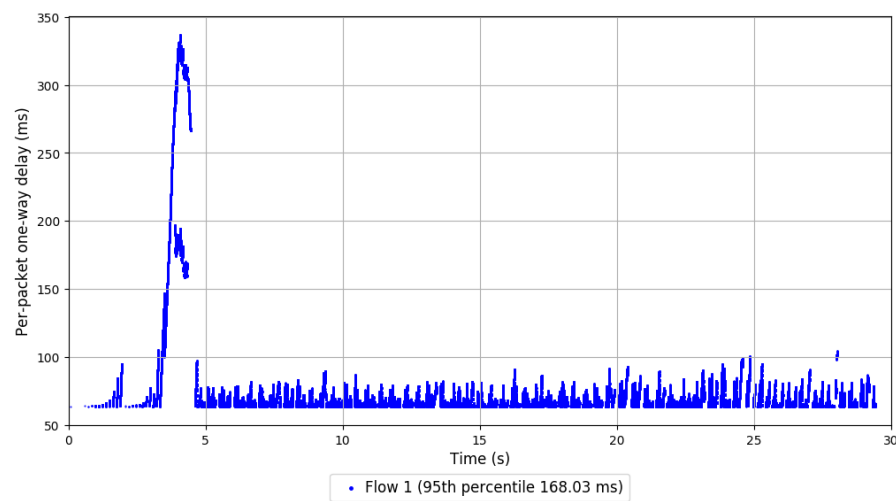
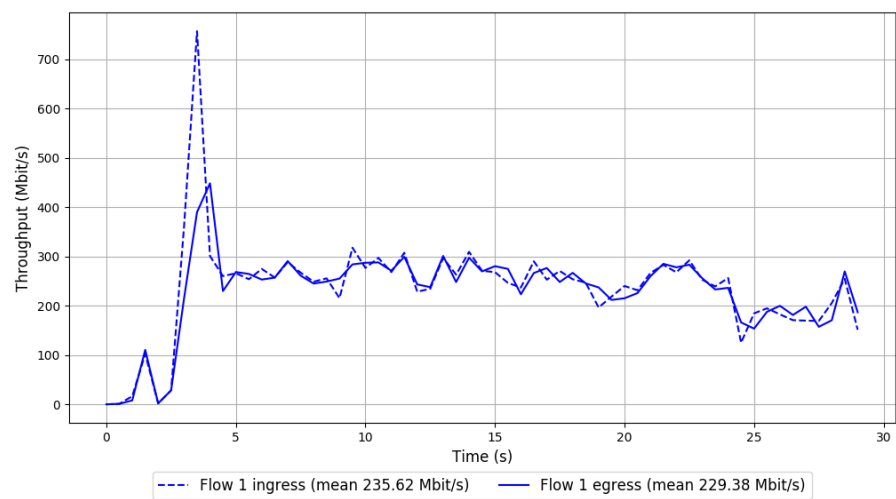
-- Flow 1:

Average throughput: 229.38 Mbit/s

95th percentile per-packet one-way delay: 168.032 ms

Loss rate: 2.66%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-17 02:07:30

End at: 2018-01-17 02:08:00

Below is generated by plot.py at 2018-01-17 04:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.61 Mbit/s

95th percentile per-packet one-way delay: 127.564 ms

Loss rate: 0.33%

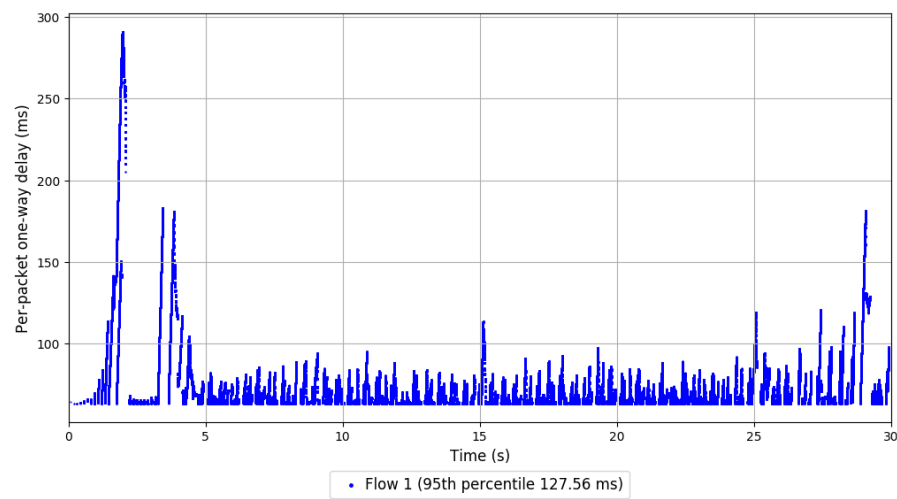
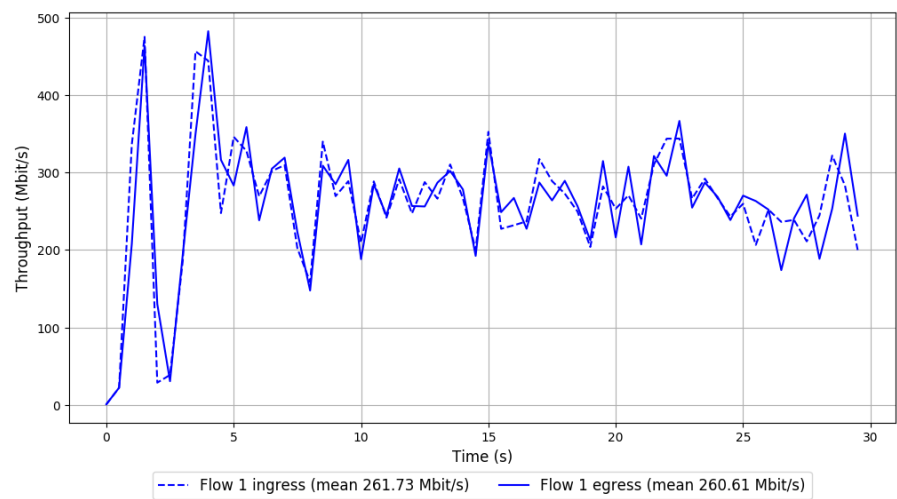
-- Flow 1:

Average throughput: 260.61 Mbit/s

95th percentile per-packet one-way delay: 127.564 ms

Loss rate: 0.33%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-17 02:21:48

End at: 2018-01-17 02:22:18

Below is generated by plot.py at 2018-01-17 04:56:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.68 Mbit/s

95th percentile per-packet one-way delay: 103.823 ms

Loss rate: 0.28%

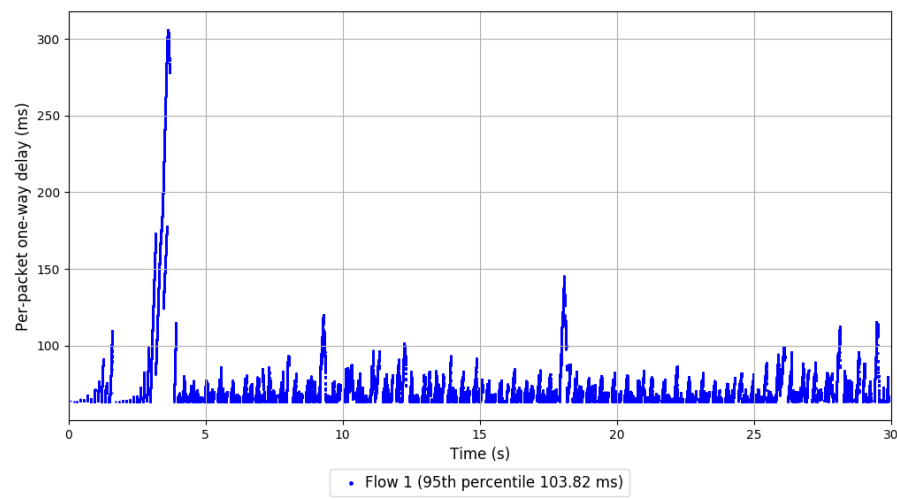
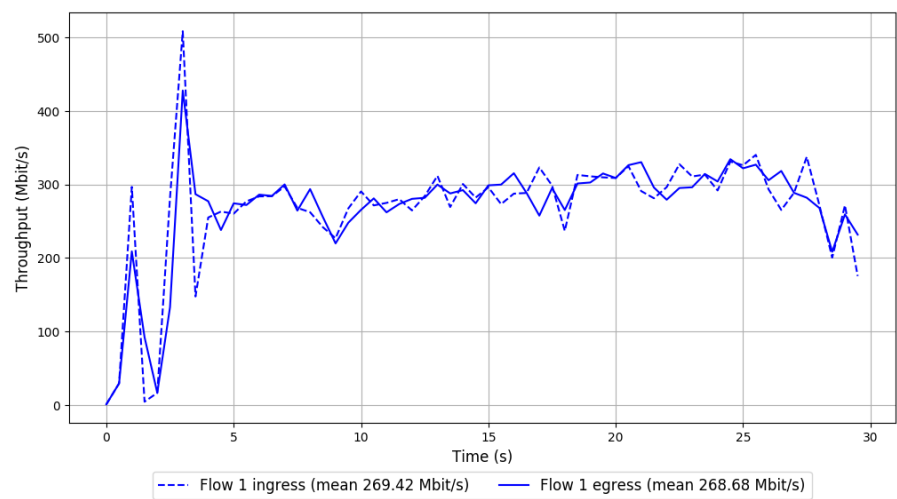
-- Flow 1:

Average throughput: 268.68 Mbit/s

95th percentile per-packet one-way delay: 103.823 ms

Loss rate: 0.28%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-17 02:36:07

End at: 2018-01-17 02:36:37

Below is generated by plot.py at 2018-01-17 04:56:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.36 Mbit/s

95th percentile per-packet one-way delay: 118.009 ms

Loss rate: 2.80%

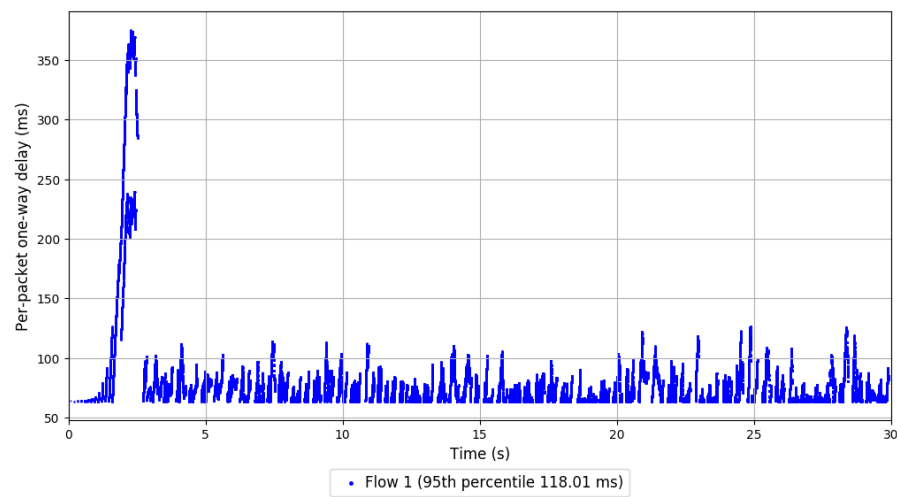
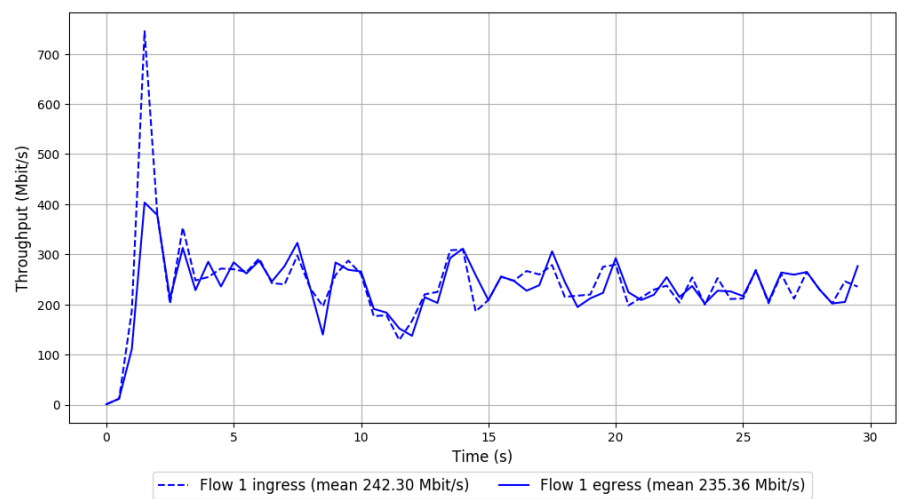
-- Flow 1:

Average throughput: 235.36 Mbit/s

95th percentile per-packet one-way delay: 118.009 ms

Loss rate: 2.80%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-17 02:50:36

End at: 2018-01-17 02:51:06

Below is generated by plot.py at 2018-01-17 04:59:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.33 Mbit/s

95th percentile per-packet one-way delay: 113.983 ms

Loss rate: 2.55%

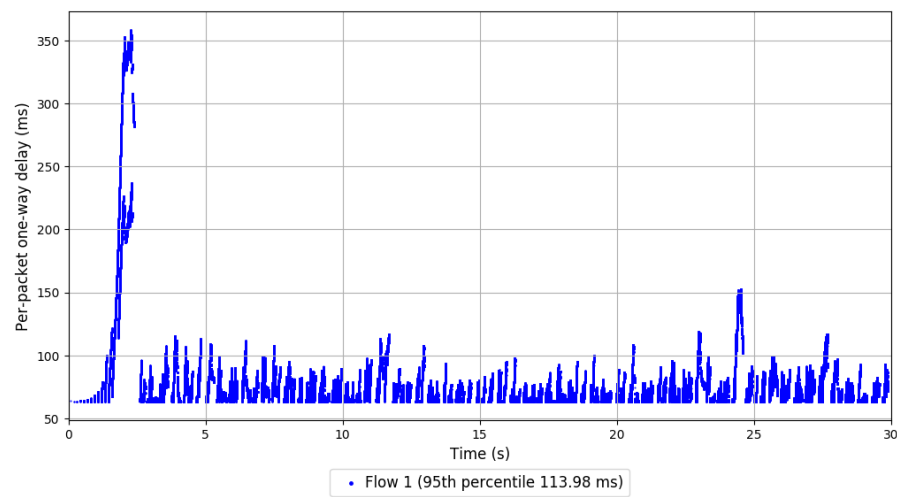
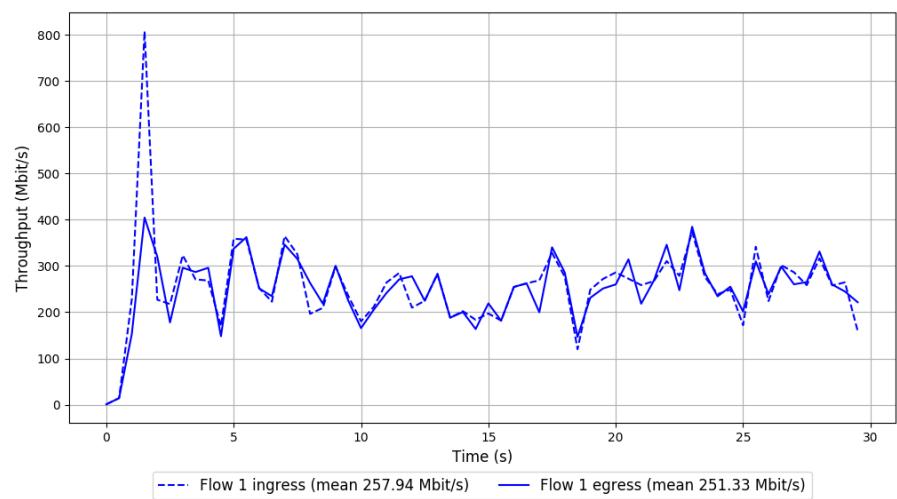
-- Flow 1:

Average throughput: 251.33 Mbit/s

95th percentile per-packet one-way delay: 113.983 ms

Loss rate: 2.55%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-17 03:04:59

End at: 2018-01-17 03:05:29

Below is generated by plot.py at 2018-01-17 04:59:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.97 Mbit/s

95th percentile per-packet one-way delay: 173.902 ms

Loss rate: 0.17%

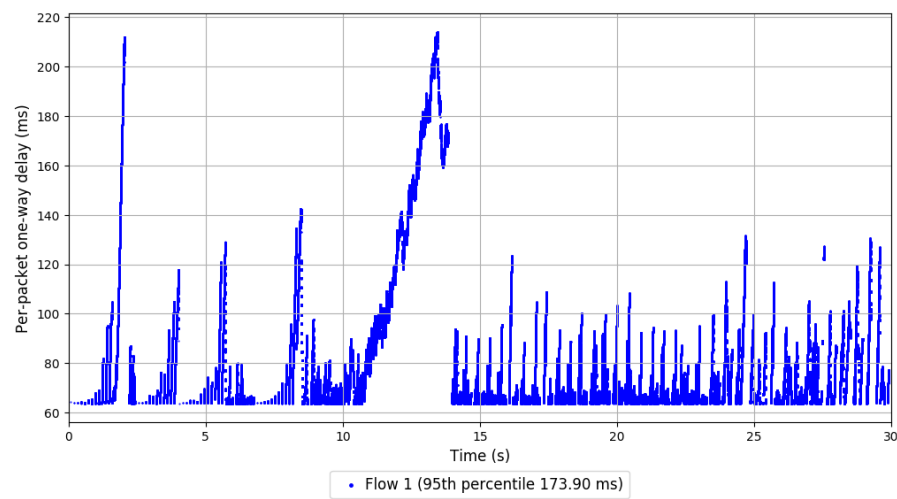
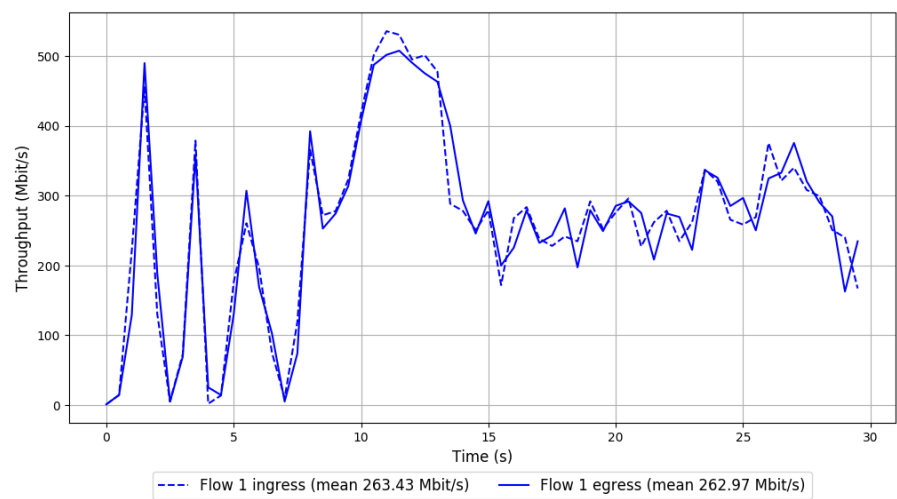
-- Flow 1:

Average throughput: 262.97 Mbit/s

95th percentile per-packet one-way delay: 173.902 ms

Loss rate: 0.17%

Run 10: Report of Verus — Data Link

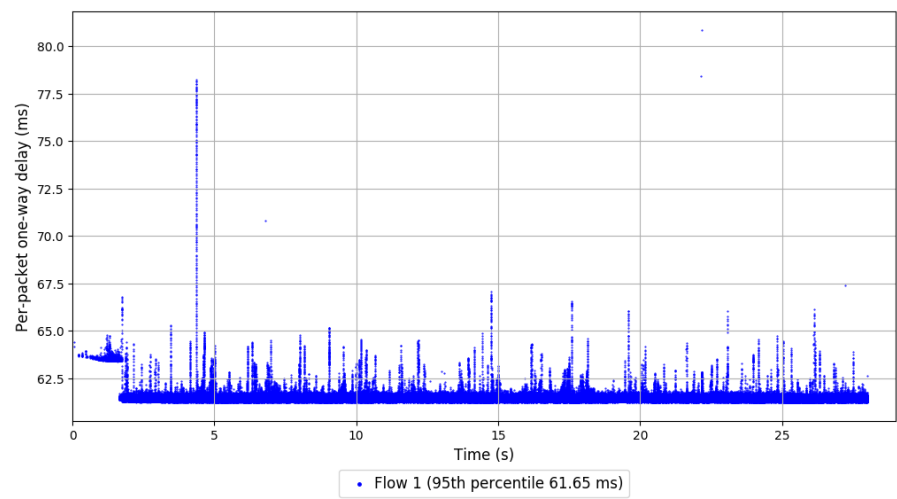
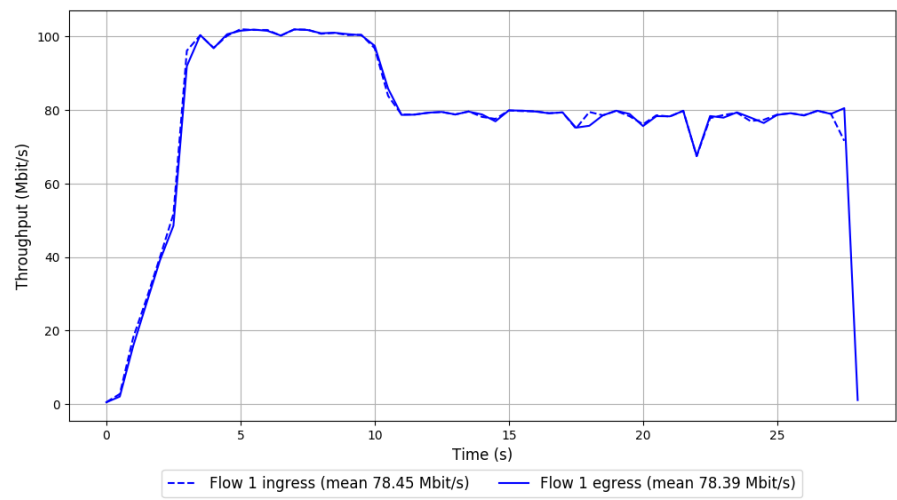


```
Run 1: Statistics of Copa

Start at: 2018-01-17 00:45:21
End at: 2018-01-17 00:45:51

# Below is generated by plot.py at 2018-01-17 04:59:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: 61.651 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: 61.651 ms
Loss rate: 0.08%
```

Run 1: Report of Copa — Data Link

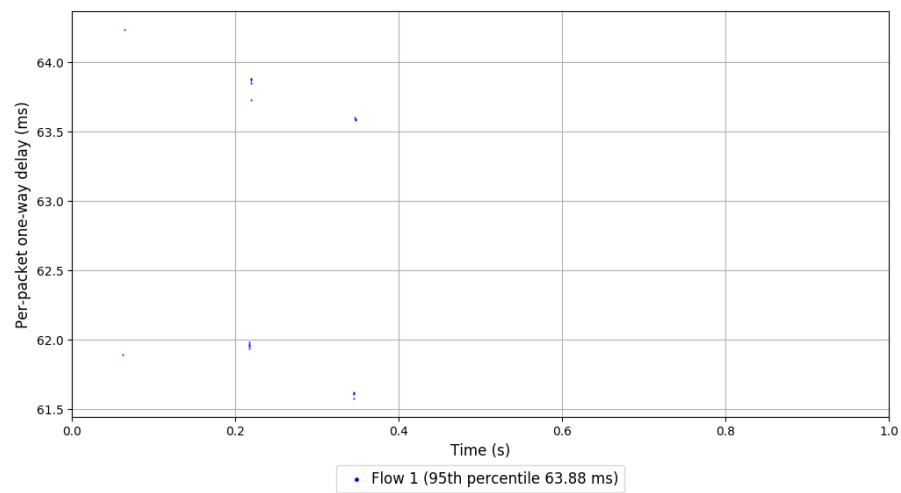
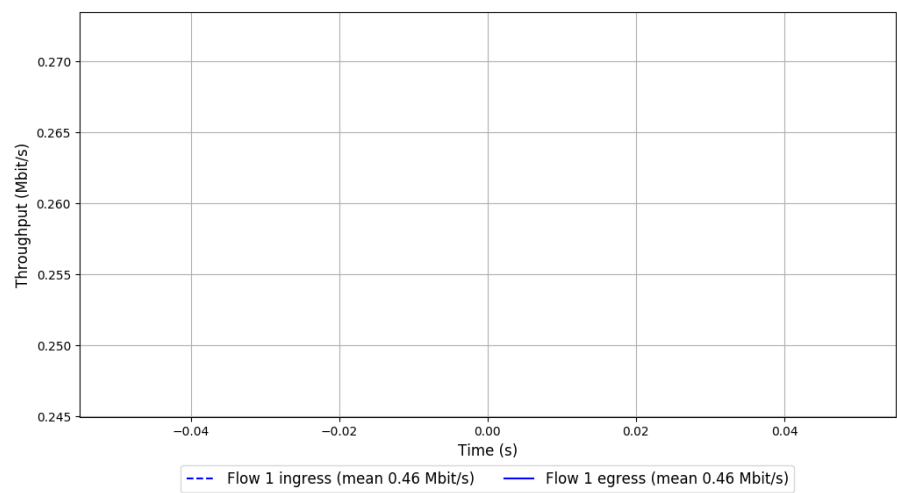


Run 2: Statistics of Copa

Start at: 2018-01-17 00:59:37

End at: 2018-01-17 01:00:07

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-17 01:13:50

End at: 2018-01-17 01:14:20

Below is generated by plot.py at 2018-01-17 04:59:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.92 Mbit/s

95th percentile per-packet one-way delay: 63.618 ms

Loss rate: 0.00%

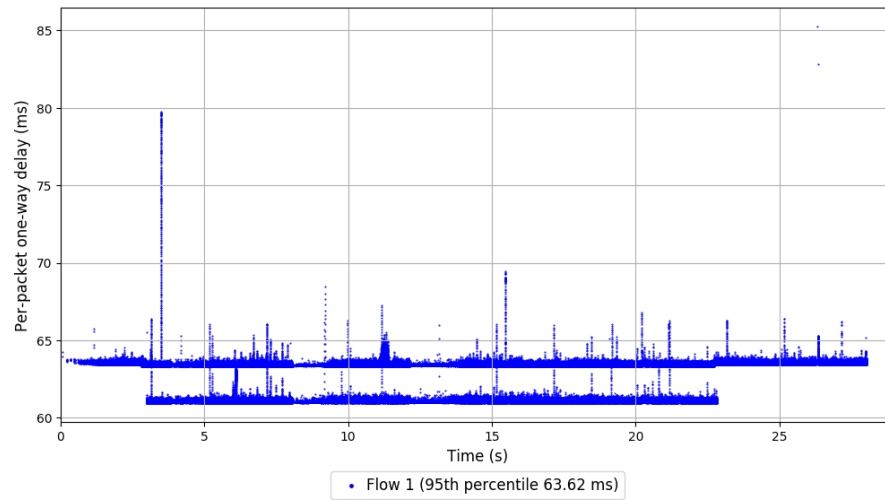
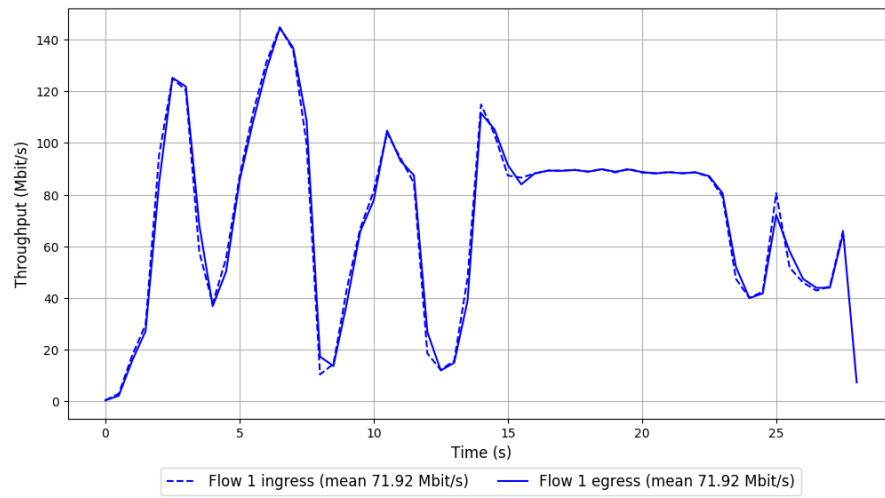
-- Flow 1:

Average throughput: 71.92 Mbit/s

95th percentile per-packet one-way delay: 63.618 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-17 01:27:56

End at: 2018-01-17 01:28:26

Below is generated by plot.py at 2018-01-17 04:59:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 63.651 ms

Loss rate: 0.00%

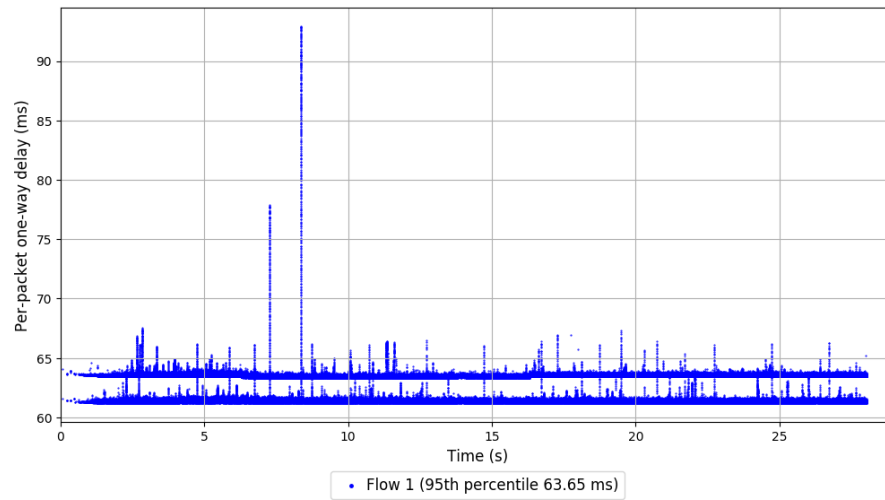
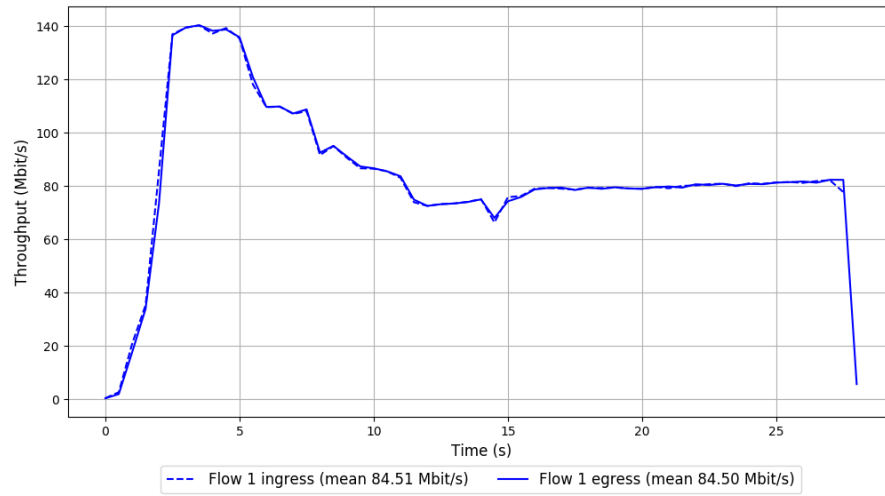
-- Flow 1:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 63.651 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-17 01:42:01

End at: 2018-01-17 01:42:31

Below is generated by plot.py at 2018-01-17 04:59:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 63.605 ms

Loss rate: 0.00%

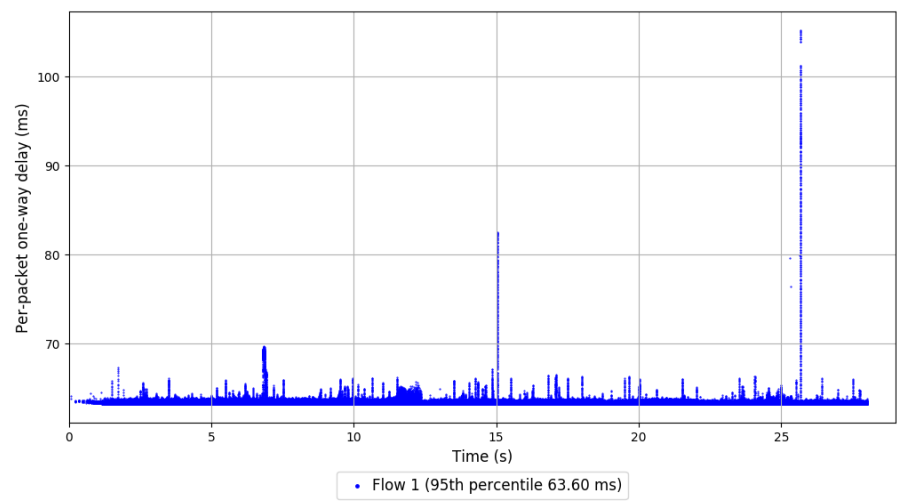
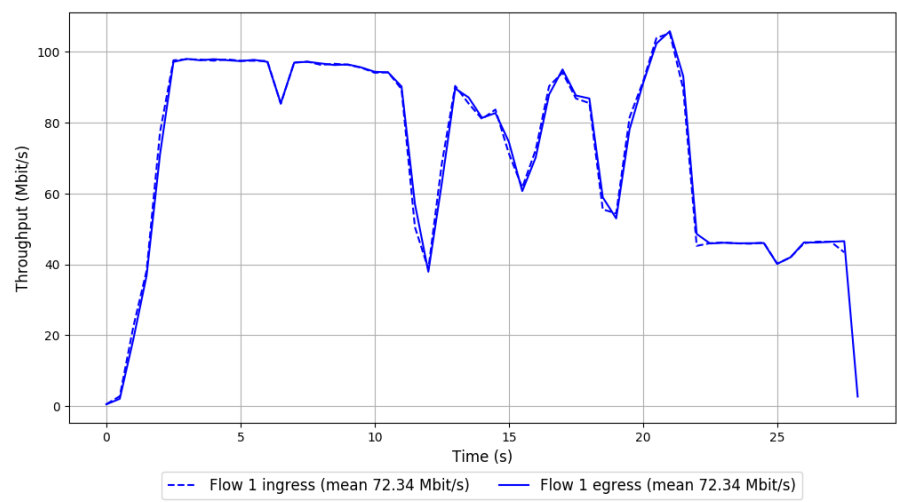
-- Flow 1:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 63.605 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-17 01:56:10

End at: 2018-01-17 01:56:40

Below is generated by plot.py at 2018-01-17 04:59:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.14 Mbit/s

95th percentile per-packet one-way delay: 63.605 ms

Loss rate: 0.00%

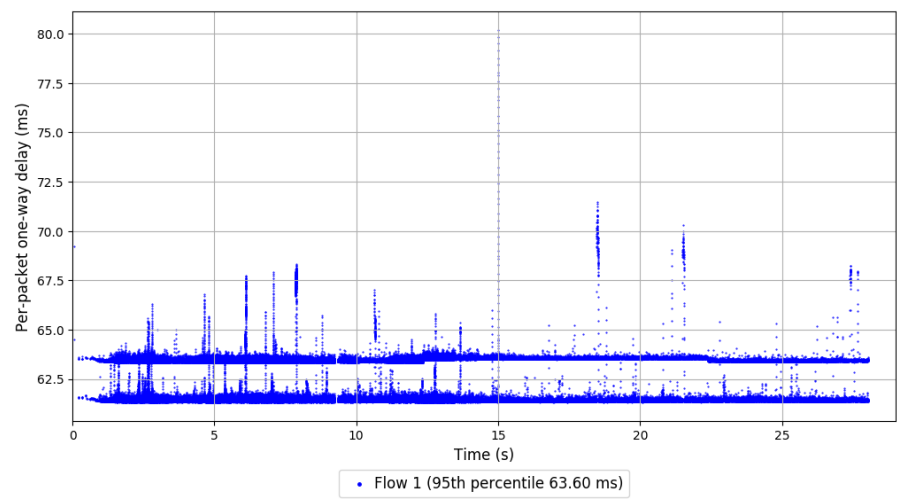
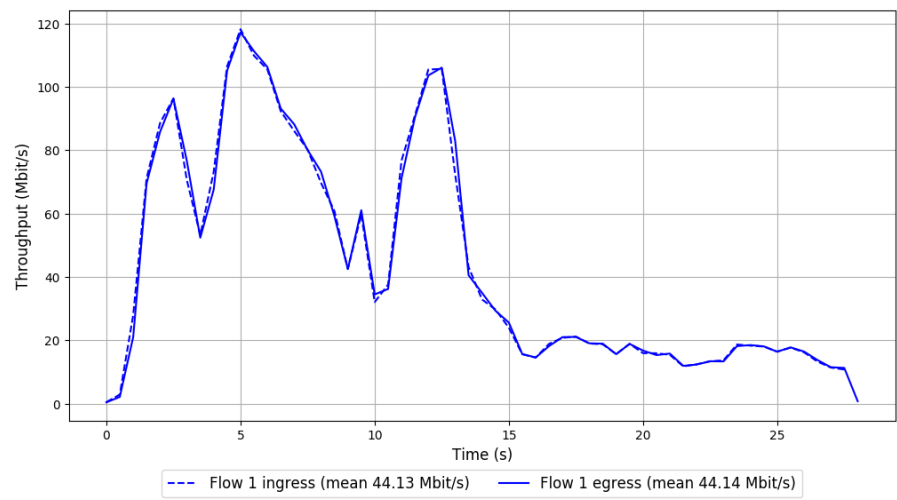
-- Flow 1:

Average throughput: 44.14 Mbit/s

95th percentile per-packet one-way delay: 63.605 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-17 02:10:40

End at: 2018-01-17 02:11:10

Below is generated by plot.py at 2018-01-17 04:59:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 63.633 ms

Loss rate: 0.00%

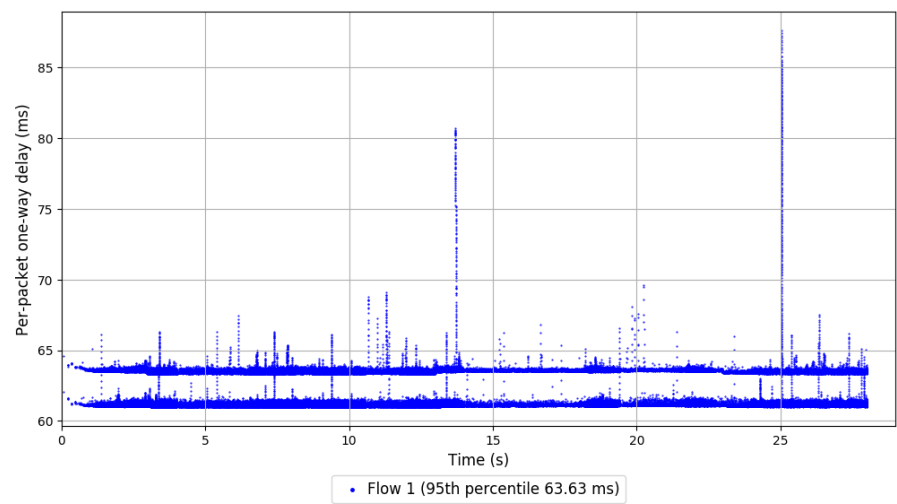
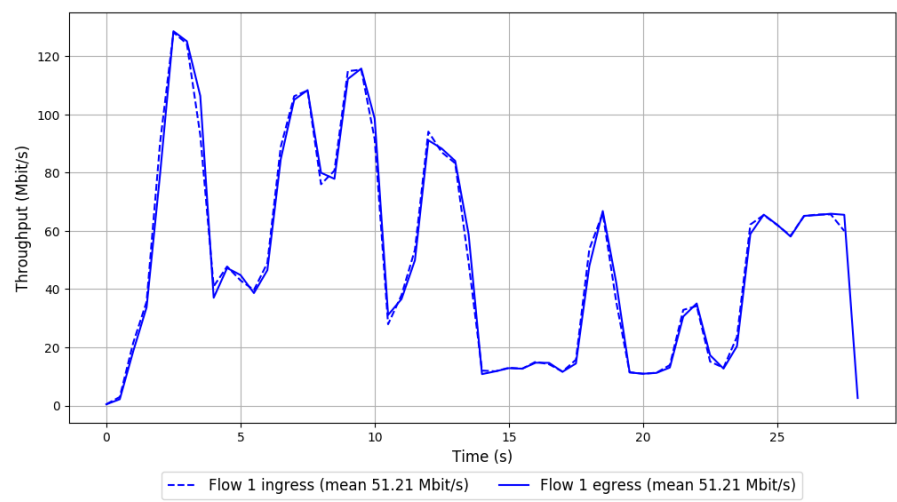
-- Flow 1:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 63.633 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-17 02:24:53

End at: 2018-01-17 02:25:23

Below is generated by plot.py at 2018-01-17 05:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.06 Mbit/s

95th percentile per-packet one-way delay: 63.687 ms

Loss rate: 0.00%

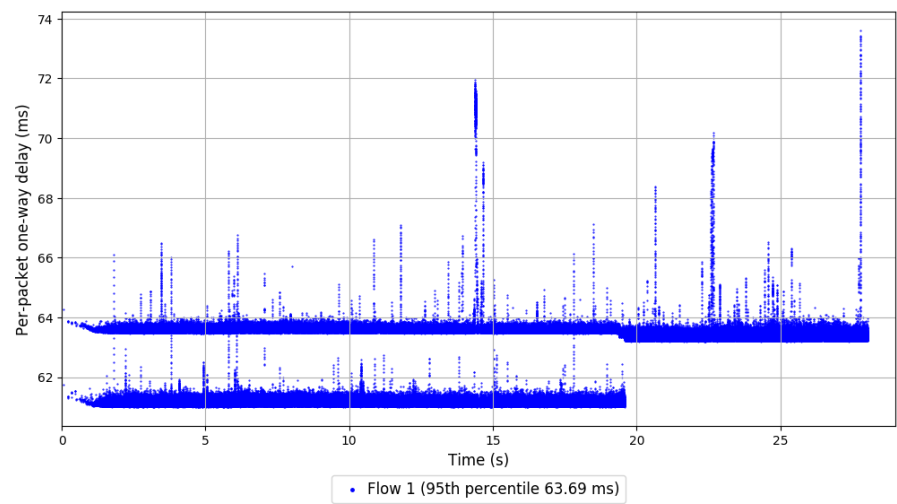
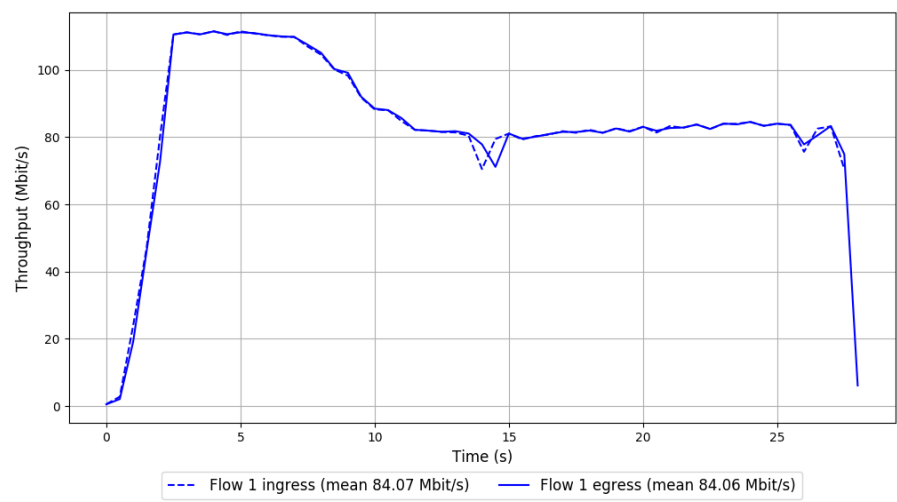
-- Flow 1:

Average throughput: 84.06 Mbit/s

95th percentile per-packet one-way delay: 63.687 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-17 02:39:13

End at: 2018-01-17 02:39:43

Below is generated by plot.py at 2018-01-17 05:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.55 Mbit/s

95th percentile per-packet one-way delay: 63.768 ms

Loss rate: 0.00%

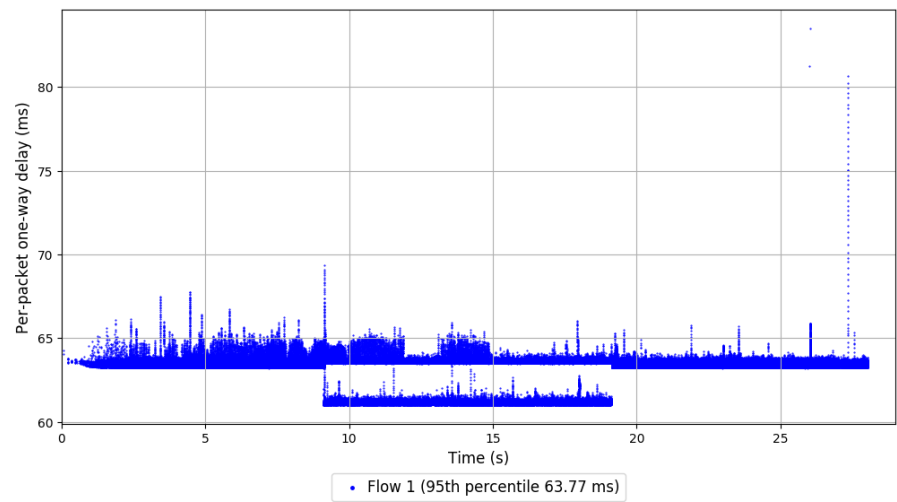
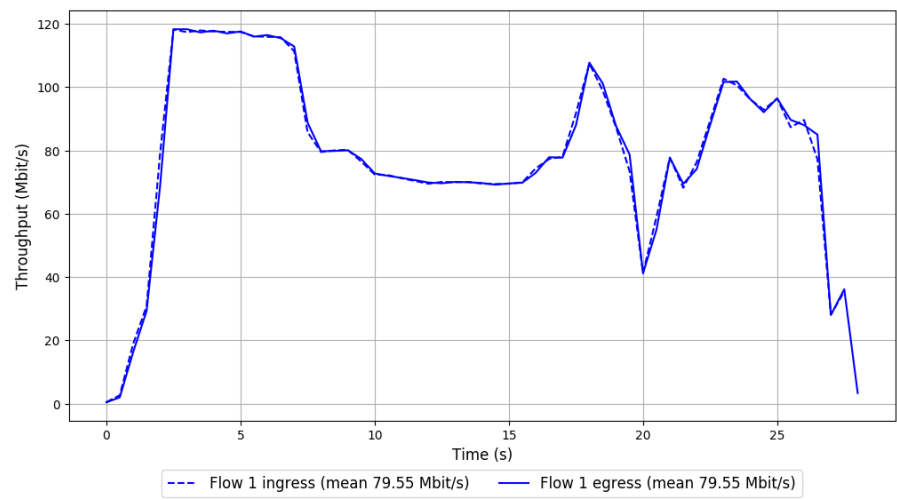
-- Flow 1:

Average throughput: 79.55 Mbit/s

95th percentile per-packet one-way delay: 63.768 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-17 02:53:41

End at: 2018-01-17 02:54:11

Below is generated by plot.py at 2018-01-17 05:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.88 Mbit/s

95th percentile per-packet one-way delay: 63.645 ms

Loss rate: 0.00%

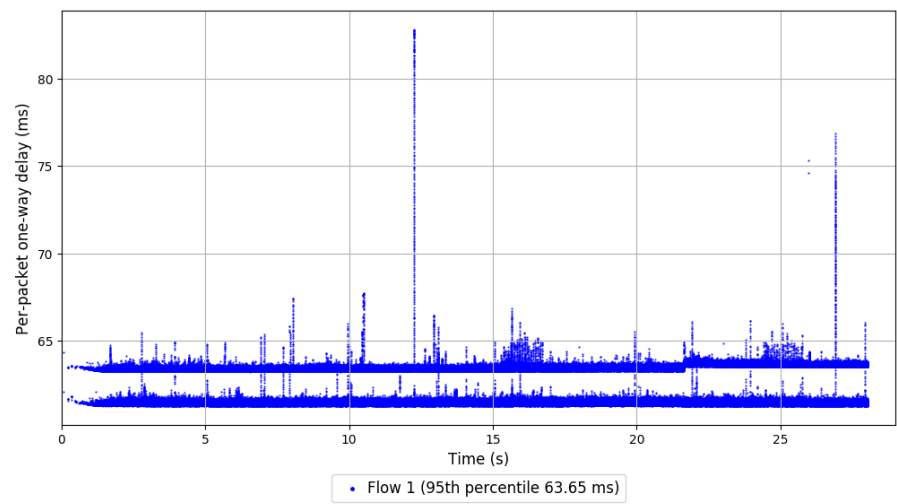
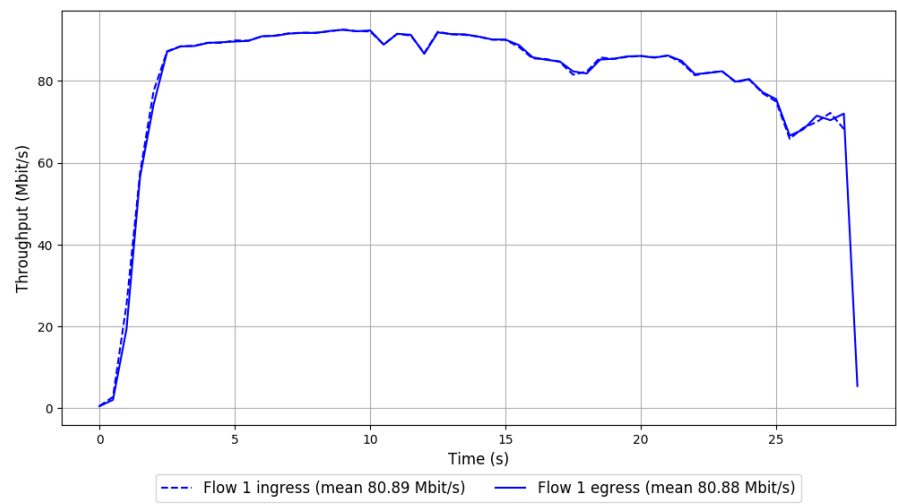
-- Flow 1:

Average throughput: 80.88 Mbit/s

95th percentile per-packet one-way delay: 63.645 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

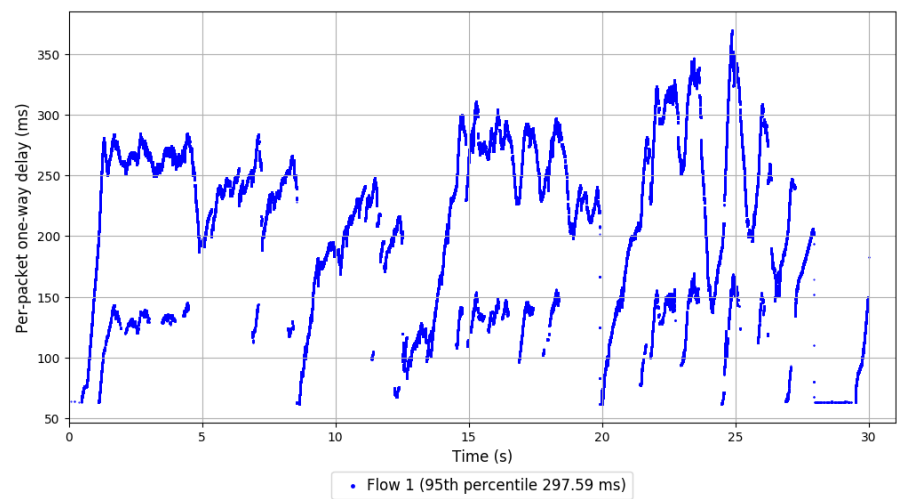
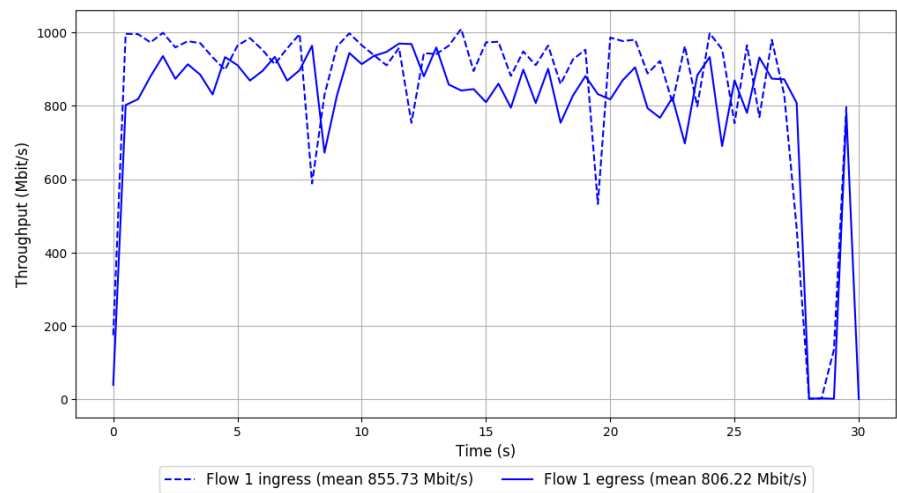


```
Run 1: Statistics of FillP

Start at: 2018-01-17 00:50:19
End at: 2018-01-17 00:50:49

# Below is generated by plot.py at 2018-01-17 05:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 806.22 Mbit/s
95th percentile per-packet one-way delay: 297.594 ms
Loss rate: 5.70%
-- Flow 1:
Average throughput: 806.22 Mbit/s
95th percentile per-packet one-way delay: 297.594 ms
Loss rate: 5.70%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-17 01:04:23

End at: 2018-01-17 01:04:53

Below is generated by plot.py at 2018-01-17 05:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 896.83 Mbit/s

95th percentile per-packet one-way delay: 283.797 ms

Loss rate: 5.25%

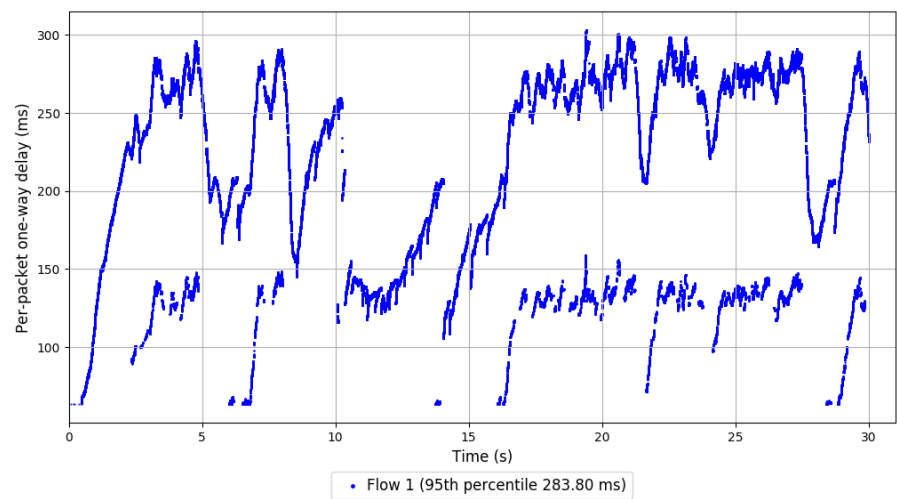
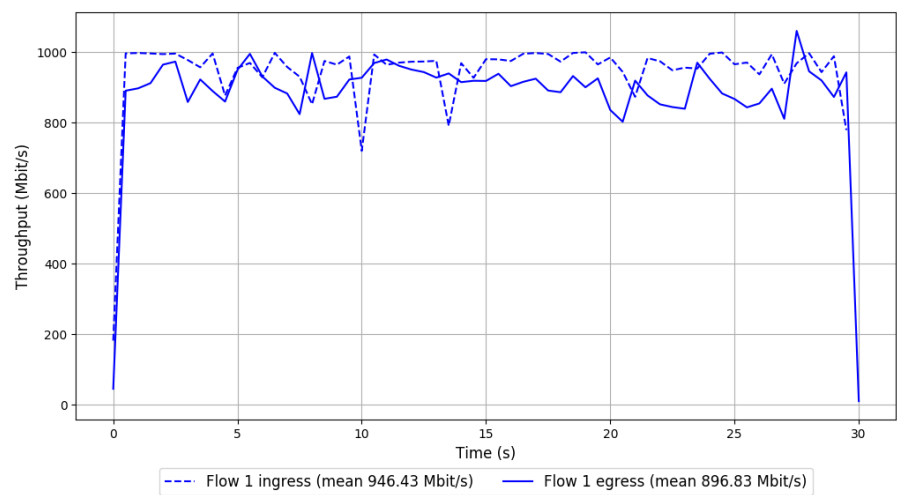
-- Flow 1:

Average throughput: 896.83 Mbit/s

95th percentile per-packet one-way delay: 283.797 ms

Loss rate: 5.25%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-17 01:18:46

End at: 2018-01-17 01:19:16

Below is generated by plot.py at 2018-01-17 05:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.34 Mbit/s

95th percentile per-packet one-way delay: 298.716 ms

Loss rate: 3.28%

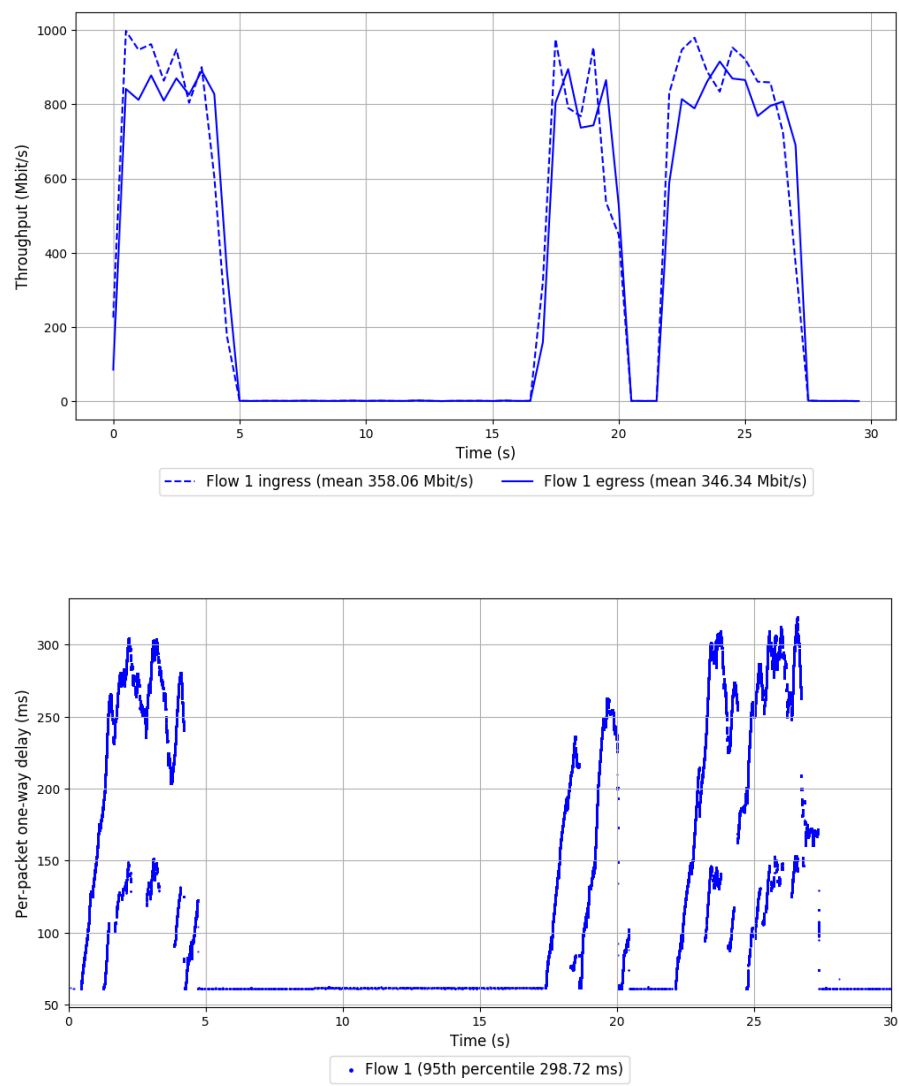
-- Flow 1:

Average throughput: 346.34 Mbit/s

95th percentile per-packet one-way delay: 298.716 ms

Loss rate: 3.28%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-17 01:32:52

End at: 2018-01-17 01:33:22

Below is generated by plot.py at 2018-01-17 05:16:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 927.83 Mbit/s

95th percentile per-packet one-way delay: 279.488 ms

Loss rate: 3.55%

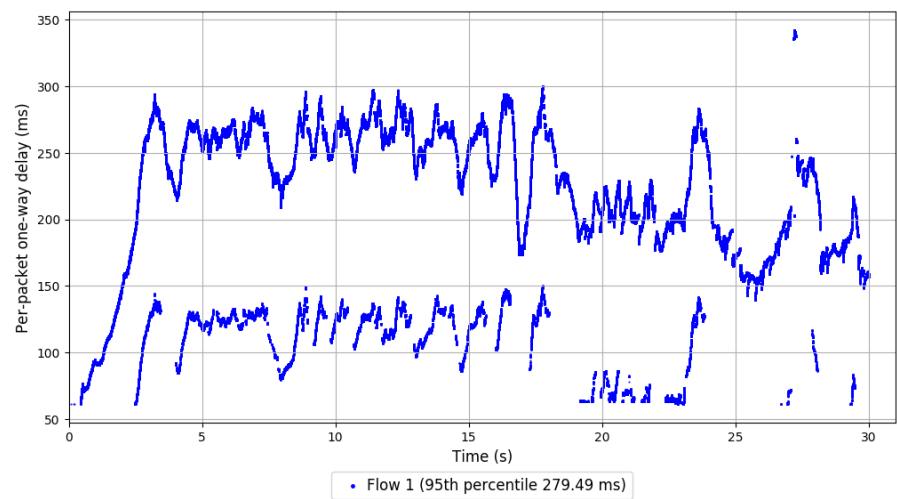
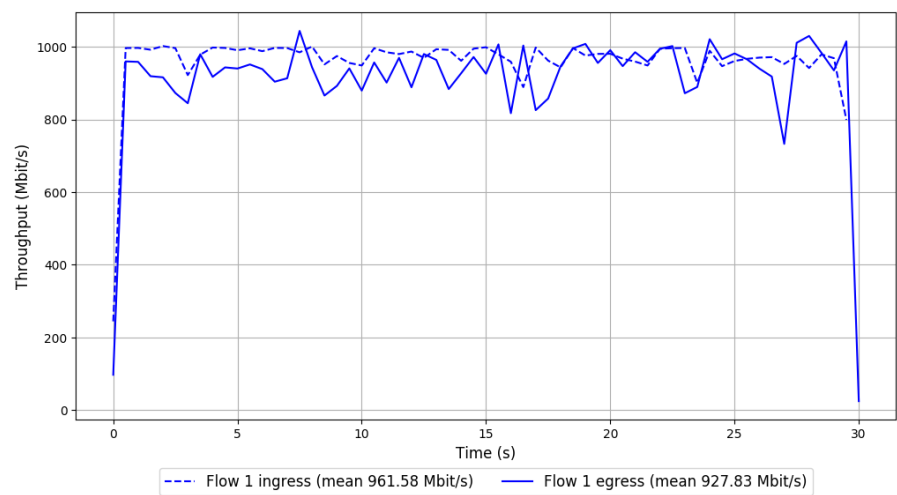
-- Flow 1:

Average throughput: 927.83 Mbit/s

95th percentile per-packet one-way delay: 279.488 ms

Loss rate: 3.55%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-17 01:46:41

End at: 2018-01-17 01:47:11

Below is generated by plot.py at 2018-01-17 05:16:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 833.19 Mbit/s

95th percentile per-packet one-way delay: 297.562 ms

Loss rate: 10.23%

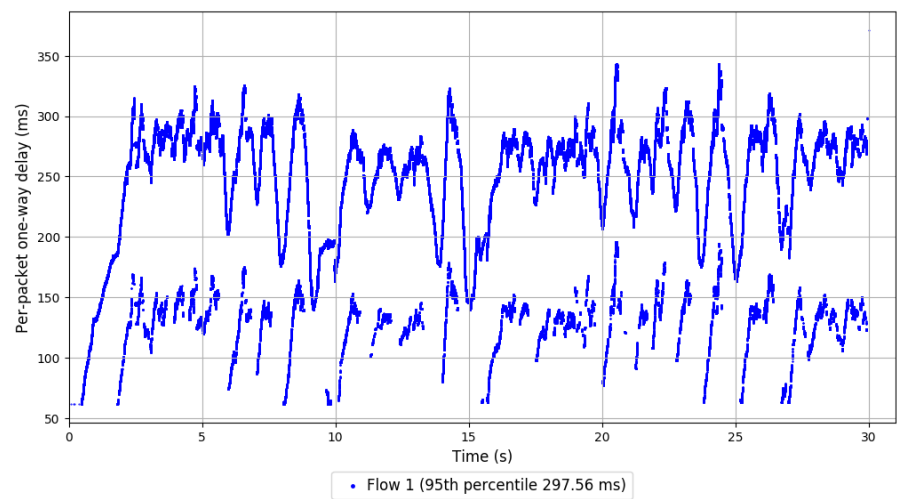
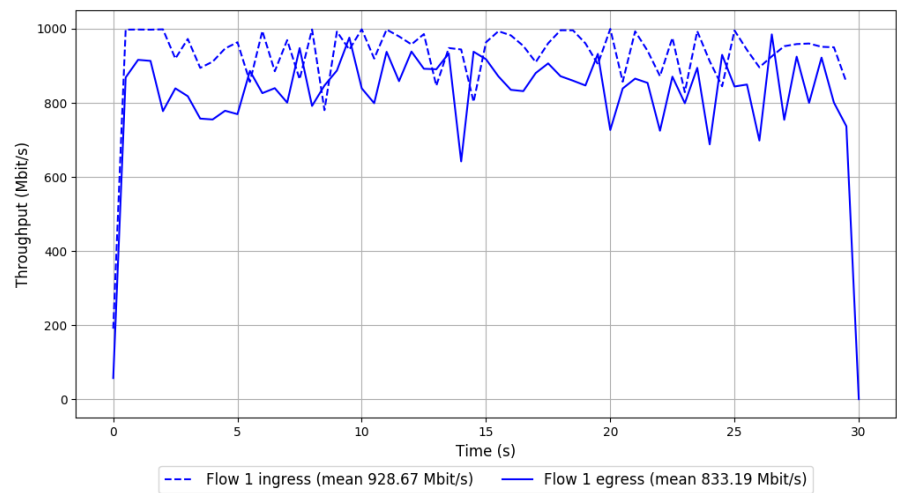
-- Flow 1:

Average throughput: 833.19 Mbit/s

95th percentile per-packet one-way delay: 297.562 ms

Loss rate: 10.23%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-17 02:01:00

End at: 2018-01-17 02:01:30

Below is generated by plot.py at 2018-01-17 05:16:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 796.38 Mbit/s

95th percentile per-packet one-way delay: 318.947 ms

Loss rate: 10.96%

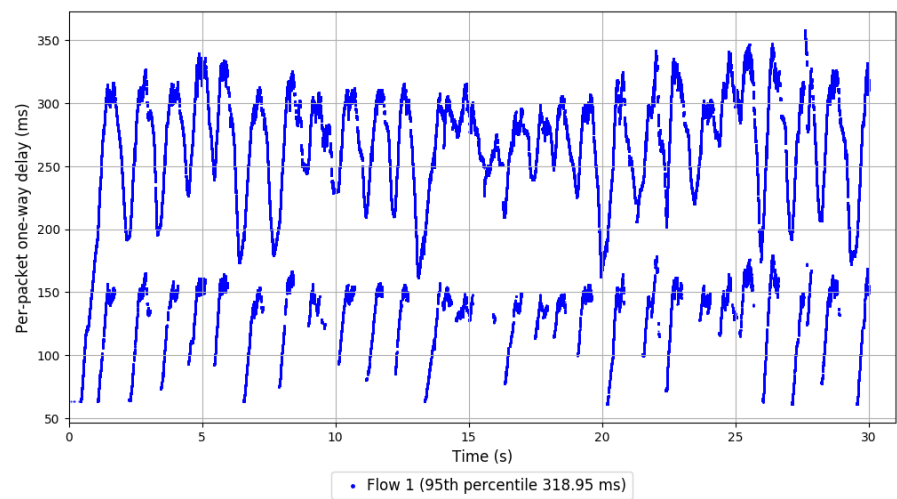
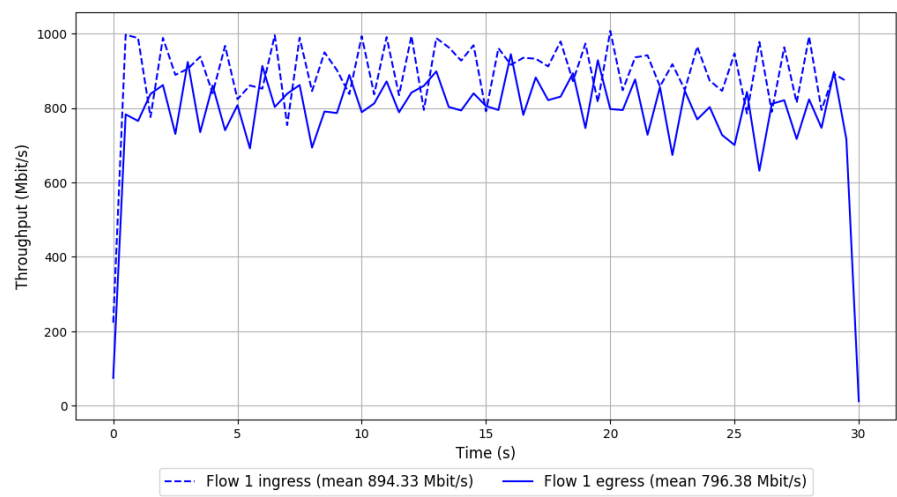
-- Flow 1:

Average throughput: 796.38 Mbit/s

95th percentile per-packet one-way delay: 318.947 ms

Loss rate: 10.96%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-17 02:15:33

End at: 2018-01-17 02:16:03

Below is generated by plot.py at 2018-01-17 05:16:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 698.00 Mbit/s

95th percentile per-packet one-way delay: 278.367 ms

Loss rate: 4.61%

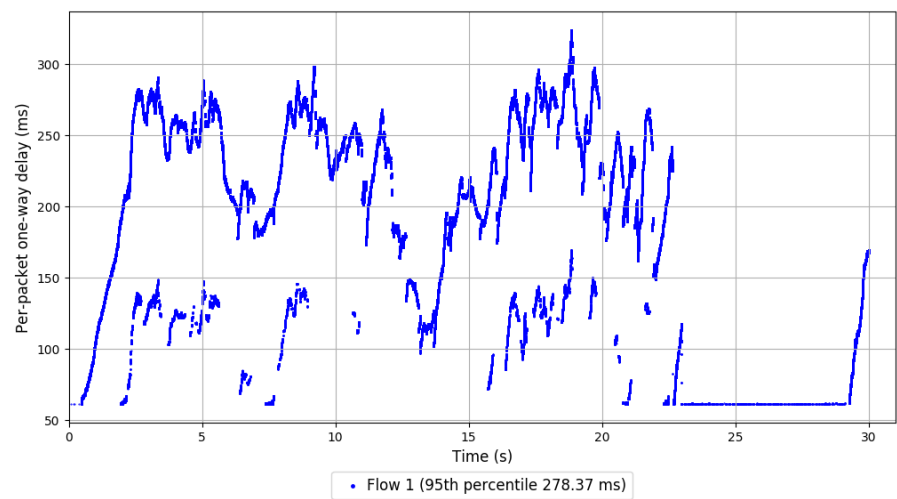
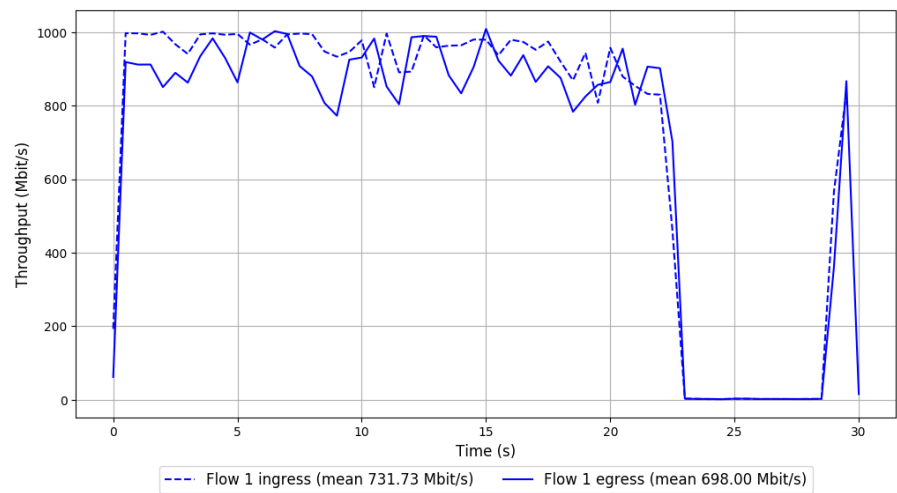
-- Flow 1:

Average throughput: 698.00 Mbit/s

95th percentile per-packet one-way delay: 278.367 ms

Loss rate: 4.61%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-17 02:29:44

End at: 2018-01-17 02:30:14

Below is generated by plot.py at 2018-01-17 05:16:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 853.11 Mbit/s

95th percentile per-packet one-way delay: 301.465 ms

Loss rate: 6.73%

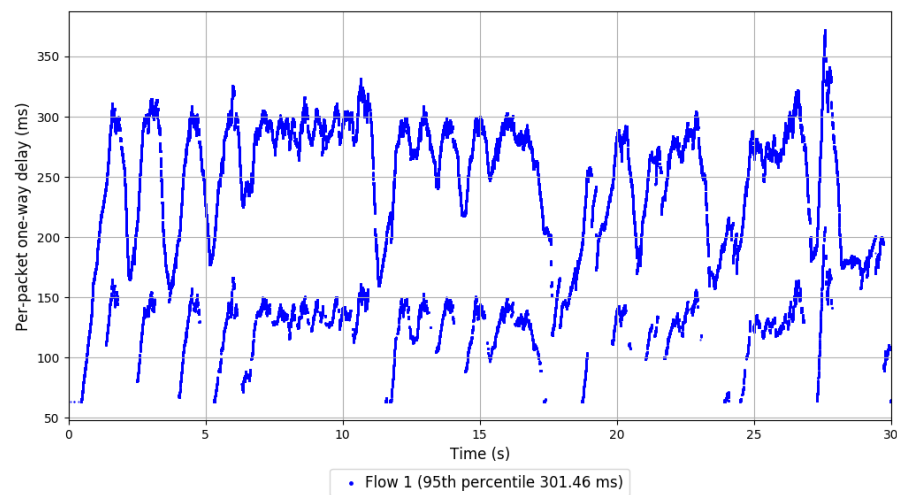
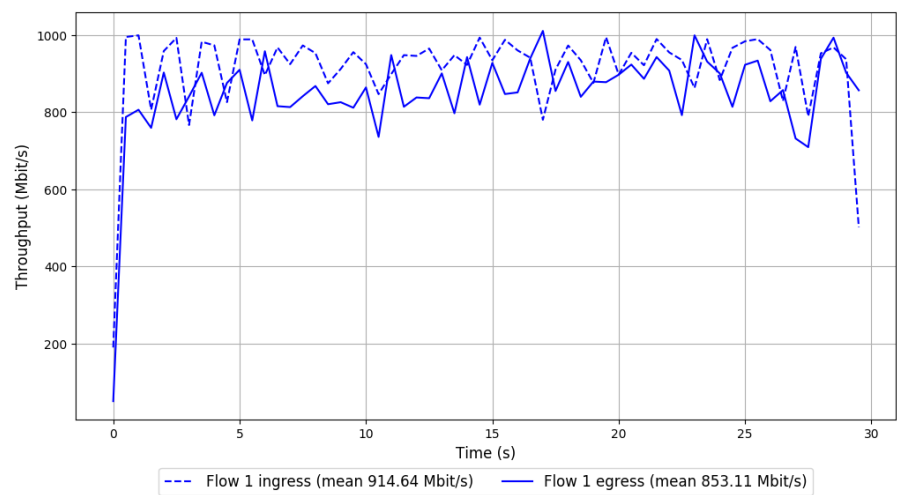
-- Flow 1:

Average throughput: 853.11 Mbit/s

95th percentile per-packet one-way delay: 301.465 ms

Loss rate: 6.73%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-17 02:44:01

End at: 2018-01-17 02:44:31

Below is generated by plot.py at 2018-01-17 05:21:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 762.80 Mbit/s

95th percentile per-packet one-way delay: 335.162 ms

Loss rate: 13.58%

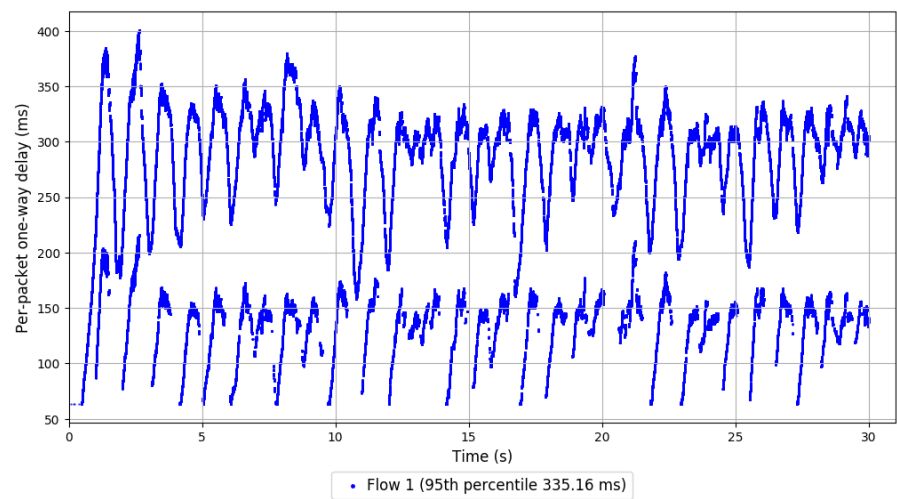
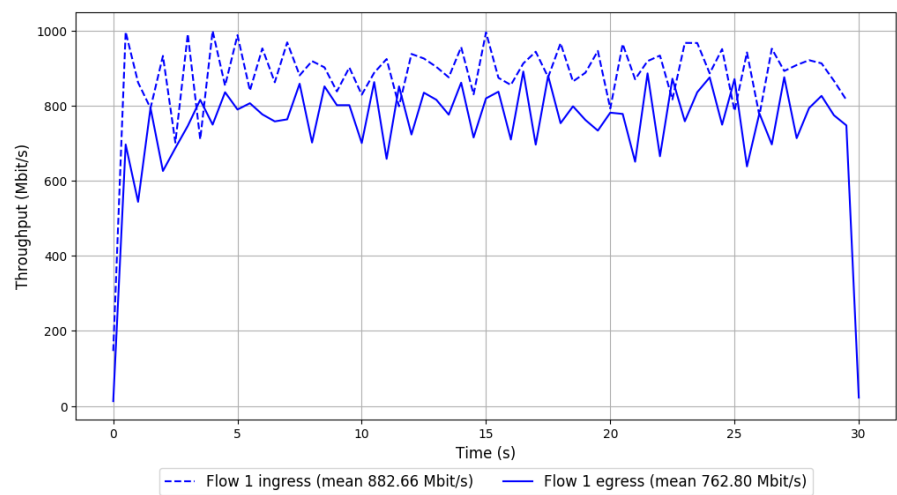
-- Flow 1:

Average throughput: 762.80 Mbit/s

95th percentile per-packet one-way delay: 335.162 ms

Loss rate: 13.58%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-17 02:58:33

End at: 2018-01-17 02:59:03

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 827.11 Mbit/s

95th percentile per-packet one-way delay: 287.124 ms

Loss rate: 9.03%

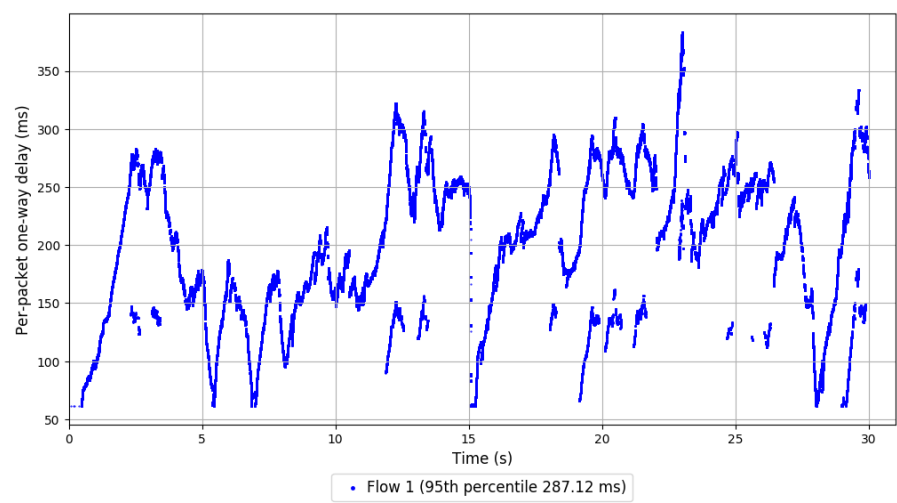
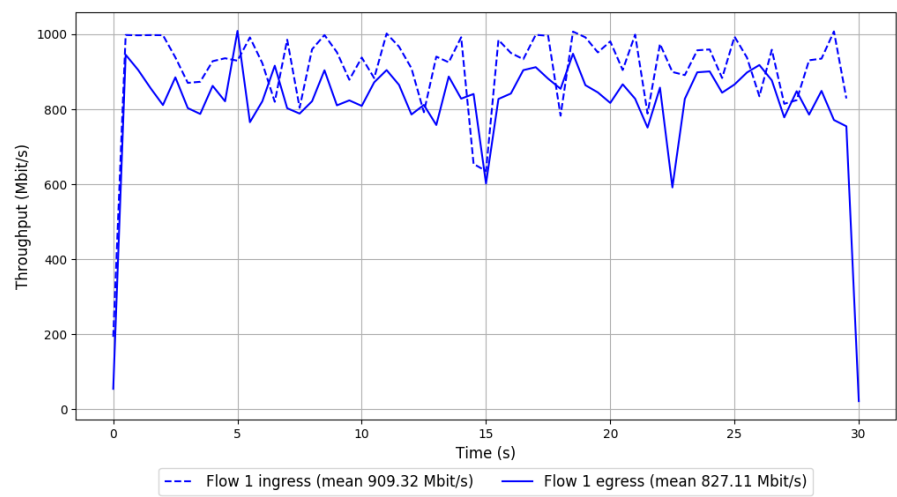
-- Flow 1:

Average throughput: 827.11 Mbit/s

95th percentile per-packet one-way delay: 287.124 ms

Loss rate: 9.03%

Run 10: Report of FillP — Data Link

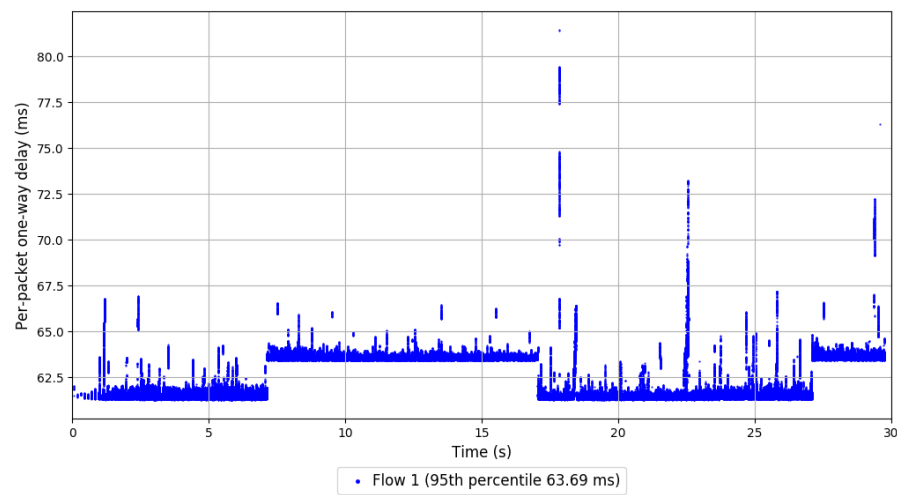
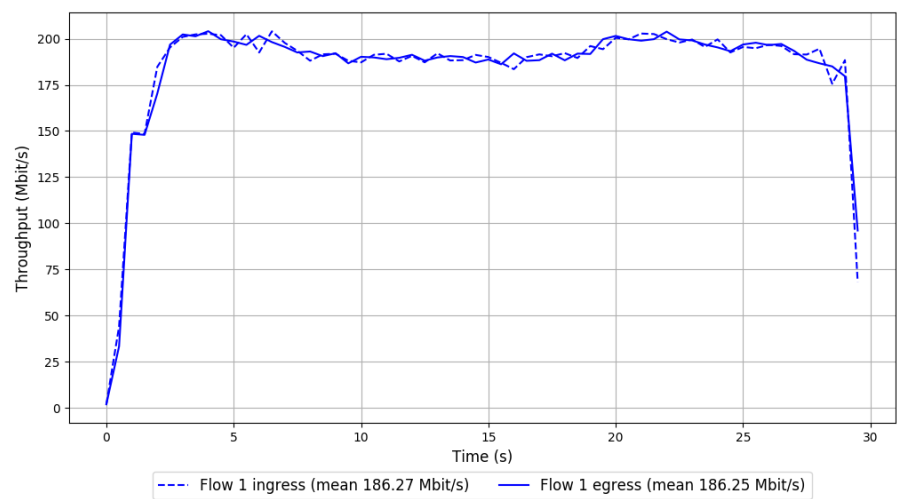


```
Run 1: Statistics of Indigo

Start at: 2018-01-17 00:48:37
End at: 2018-01-17 00:49:07

# Below is generated by plot.py at 2018-01-17 05:29:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.25 Mbit/s
95th percentile per-packet one-way delay: 63.689 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.25 Mbit/s
95th percentile per-packet one-way delay: 63.689 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-01-17 01:02:41

End at: 2018-01-17 01:03:11

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.42 Mbit/s

95th percentile per-packet one-way delay: 63.956 ms

Loss rate: 0.01%

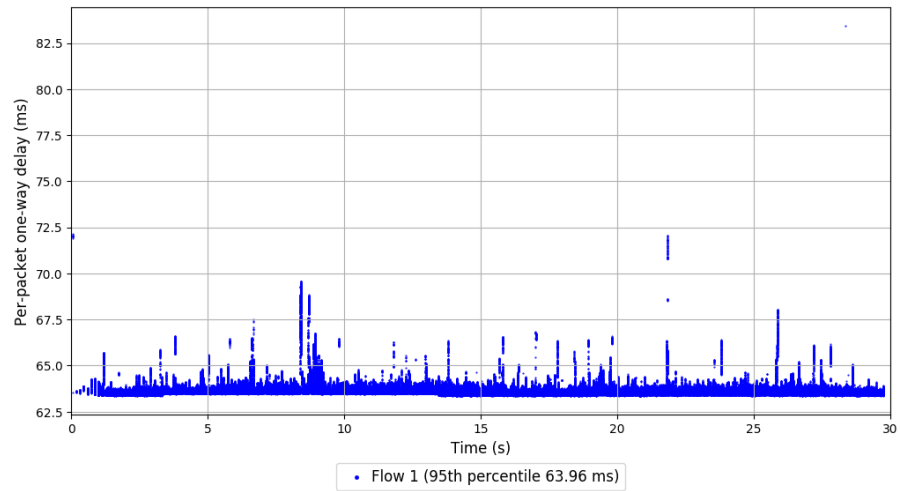
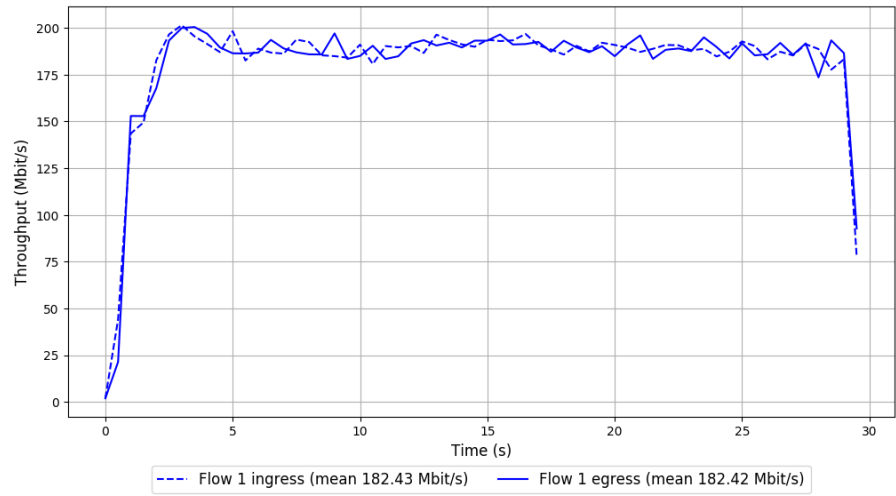
-- Flow 1:

Average throughput: 182.42 Mbit/s

95th percentile per-packet one-way delay: 63.956 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

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

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

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.77 Mbit/s

95th percentile per-packet one-way delay: 63.755 ms

Loss rate: 0.00%

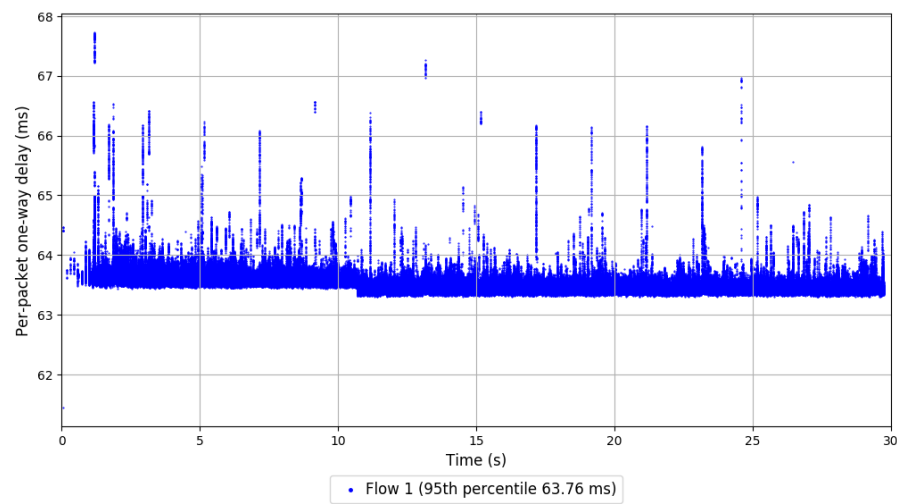
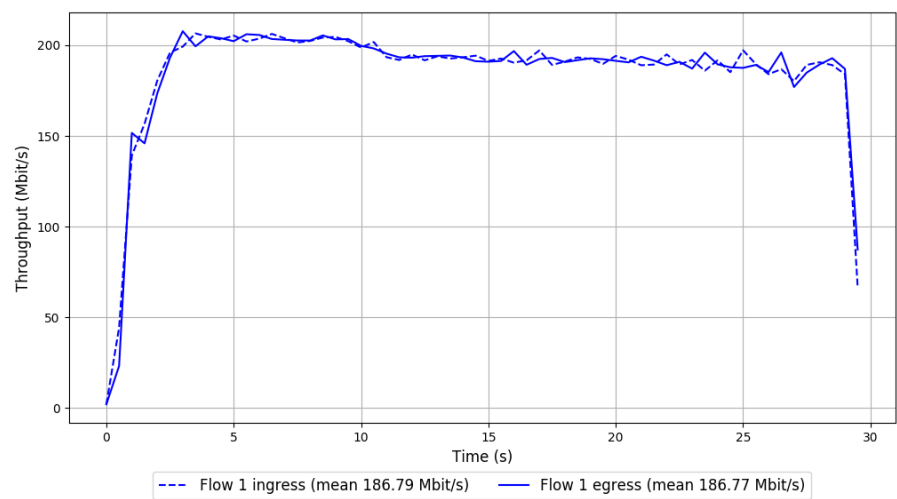
-- Flow 1:

Average throughput: 186.77 Mbit/s

95th percentile per-packet one-way delay: 63.755 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-17 01:31:10

End at: 2018-01-17 01:31:40

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.98 Mbit/s

95th percentile per-packet one-way delay: 63.937 ms

Loss rate: 0.07%

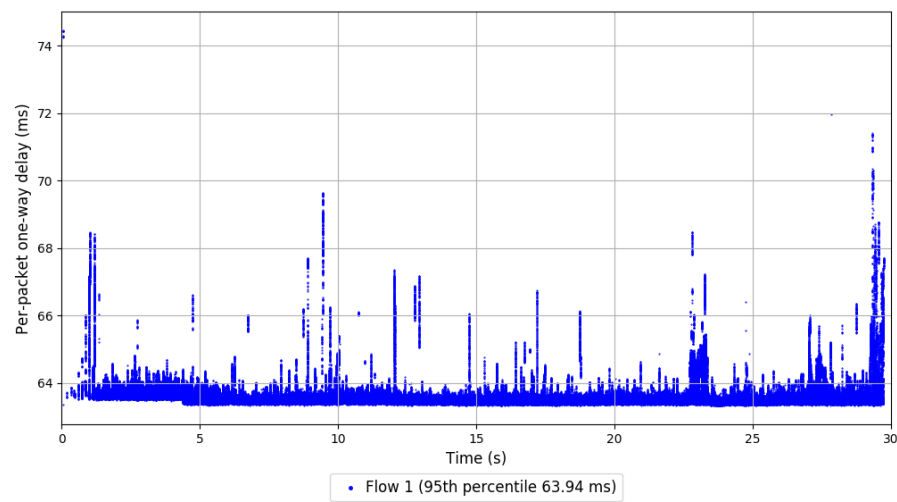
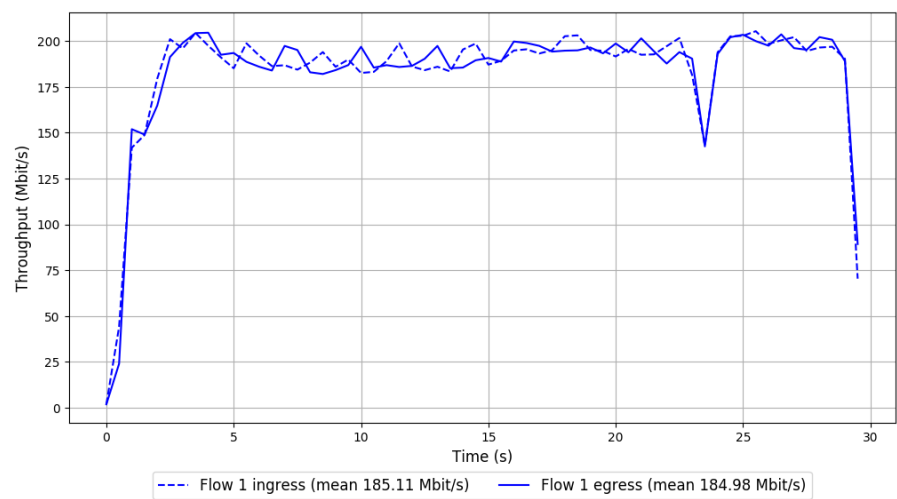
-- Flow 1:

Average throughput: 184.98 Mbit/s

95th percentile per-packet one-way delay: 63.937 ms

Loss rate: 0.07%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-17 01:45:00

End at: 2018-01-17 01:45:30

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.41 Mbit/s

95th percentile per-packet one-way delay: 64.224 ms

Loss rate: 0.24%

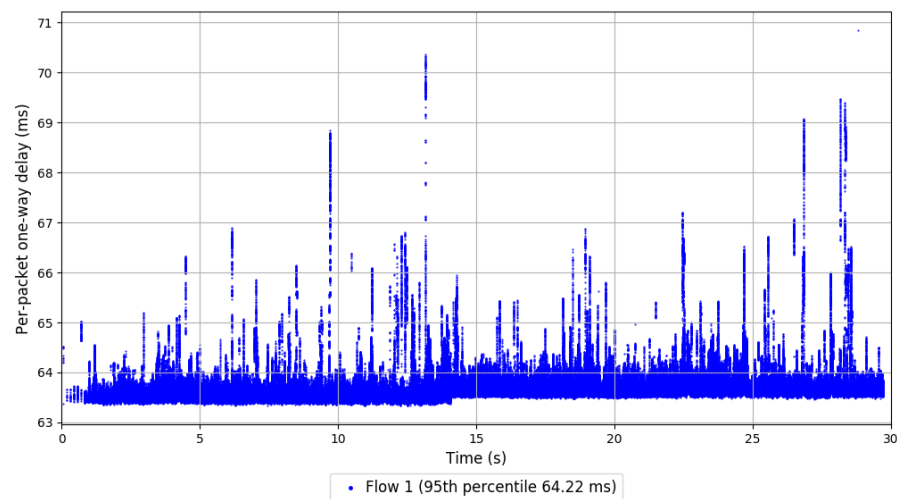
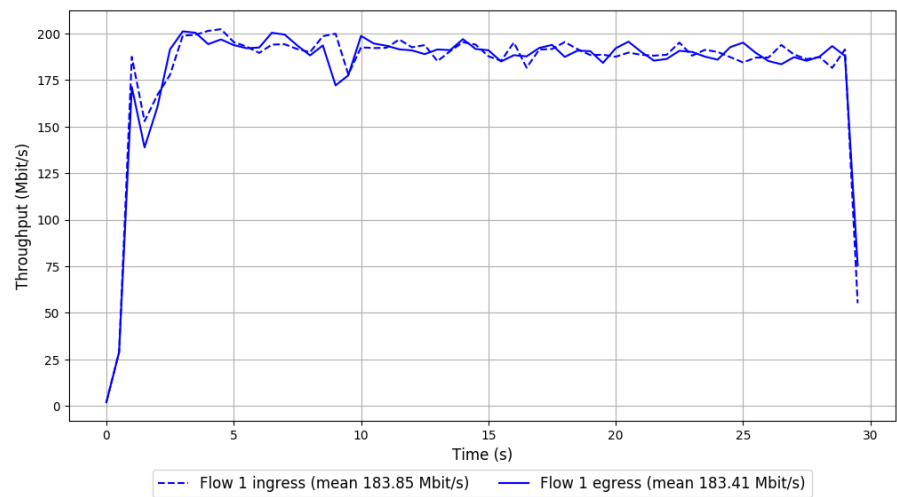
-- Flow 1:

Average throughput: 183.41 Mbit/s

95th percentile per-packet one-way delay: 64.224 ms

Loss rate: 0.24%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-17 01:59:19

End at: 2018-01-17 01:59:49

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.56 Mbit/s

95th percentile per-packet one-way delay: 64.043 ms

Loss rate: 0.01%

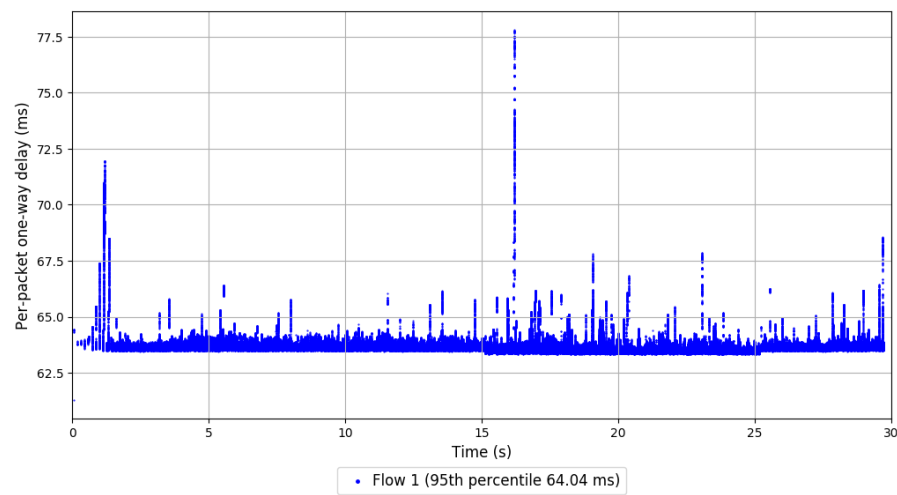
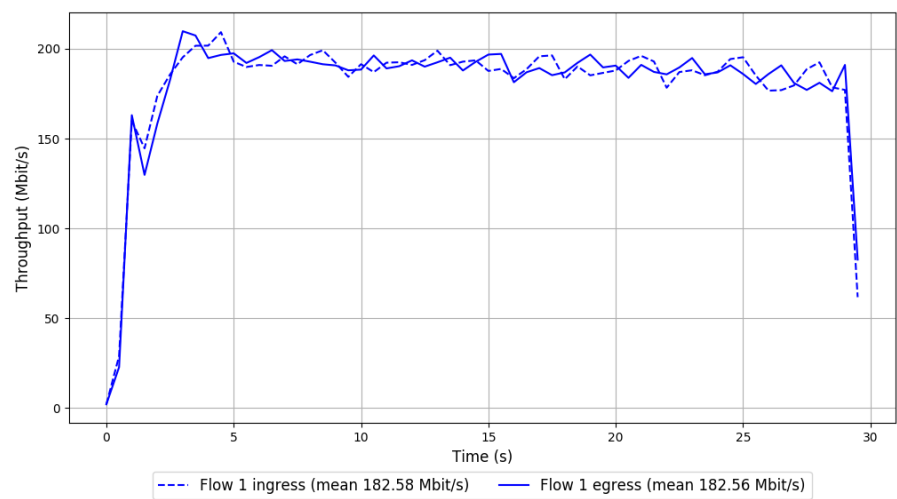
-- Flow 1:

Average throughput: 182.56 Mbit/s

95th percentile per-packet one-way delay: 64.043 ms

Loss rate: 0.01%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-17 02:13:51

End at: 2018-01-17 02:14:21

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.35 Mbit/s

95th percentile per-packet one-way delay: 63.875 ms

Loss rate: 0.16%

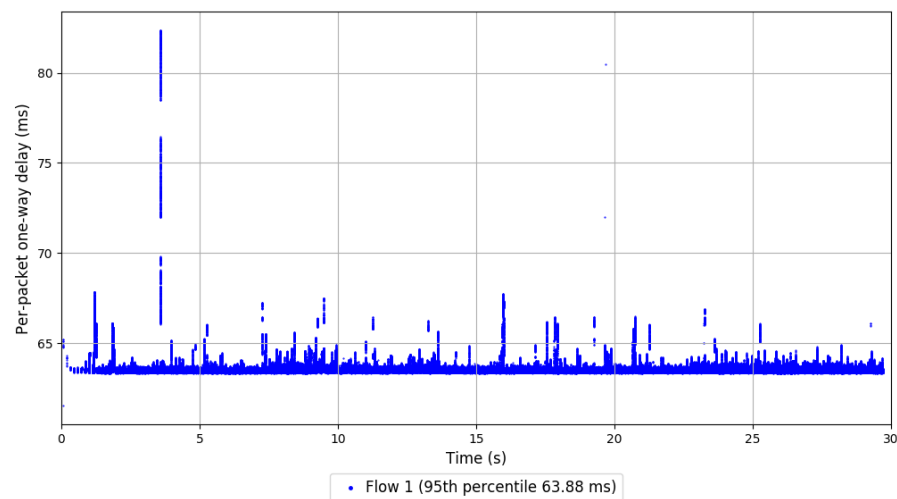
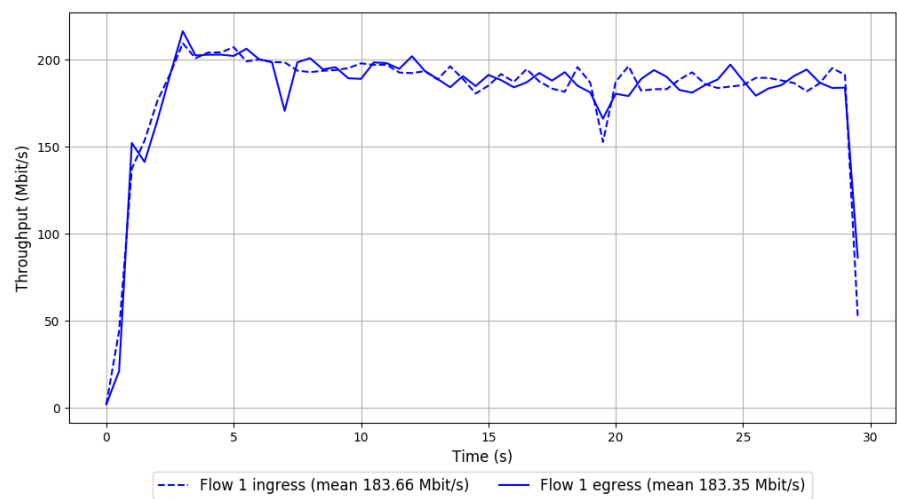
-- Flow 1:

Average throughput: 183.35 Mbit/s

95th percentile per-packet one-way delay: 63.875 ms

Loss rate: 0.16%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-17 02:28:02

End at: 2018-01-17 02:28:32

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.62 Mbit/s

95th percentile per-packet one-way delay: 63.941 ms

Loss rate: 0.00%

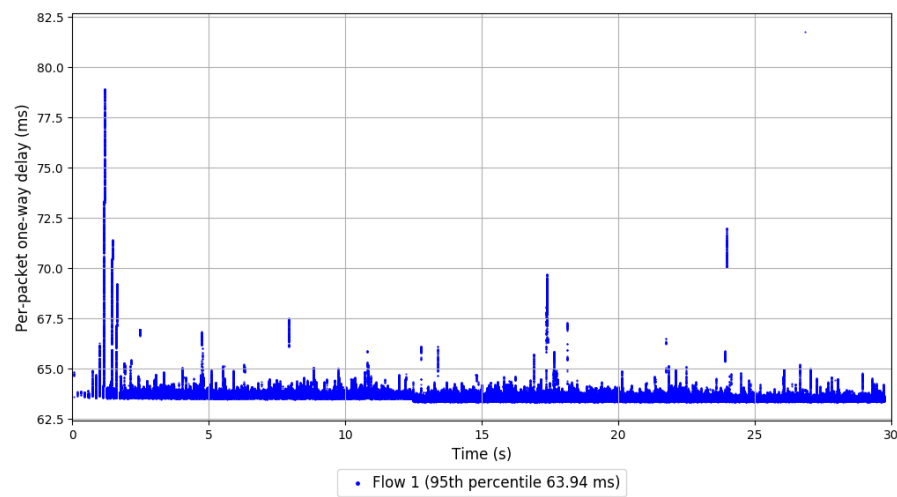
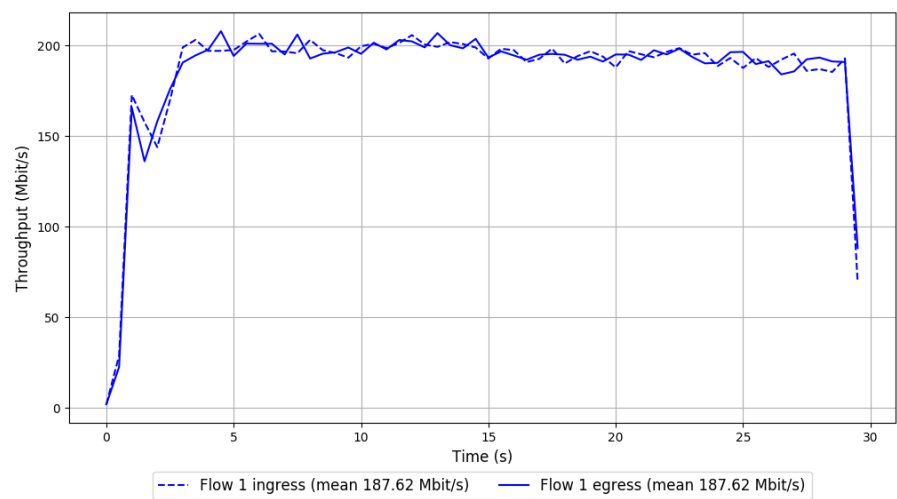
-- Flow 1:

Average throughput: 187.62 Mbit/s

95th percentile per-packet one-way delay: 63.941 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-17 02:42:19

End at: 2018-01-17 02:42:49

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.27 Mbit/s

95th percentile per-packet one-way delay: 63.812 ms

Loss rate: 0.15%

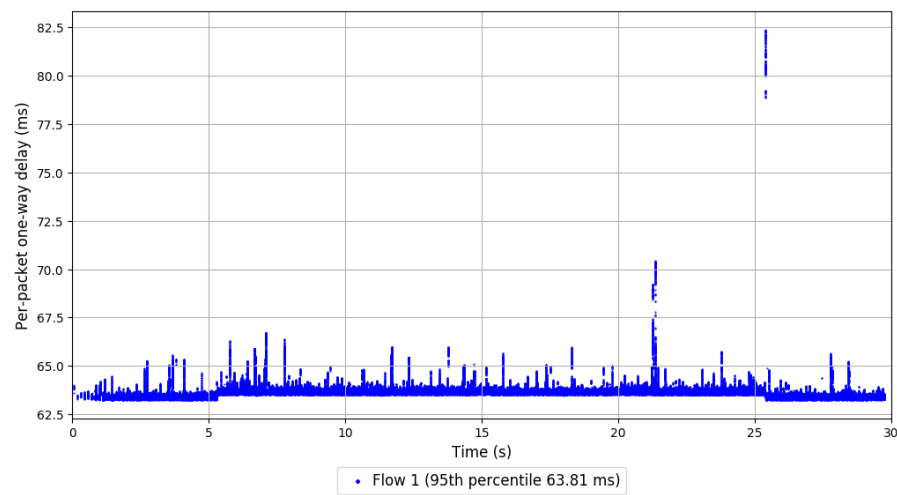
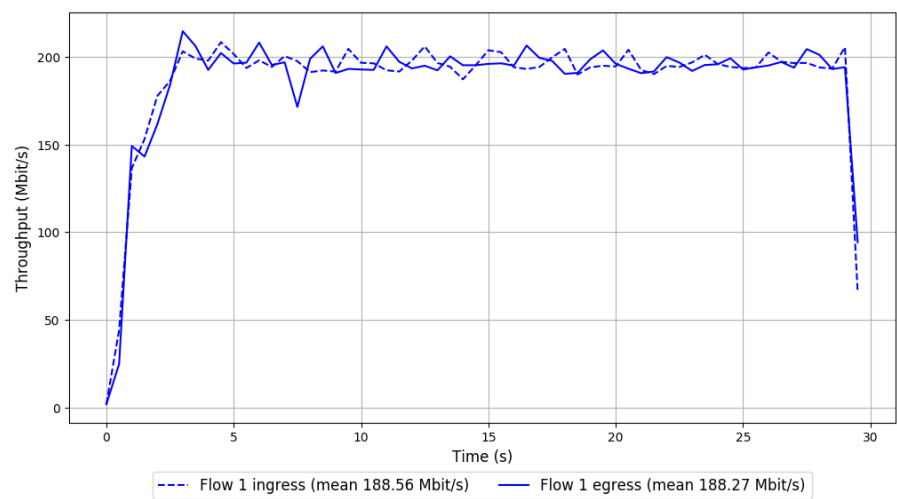
-- Flow 1:

Average throughput: 188.27 Mbit/s

95th percentile per-packet one-way delay: 63.812 ms

Loss rate: 0.15%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-17 02:56:51

End at: 2018-01-17 02:57:21

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.08 Mbit/s

95th percentile per-packet one-way delay: 64.611 ms

Loss rate: 0.00%

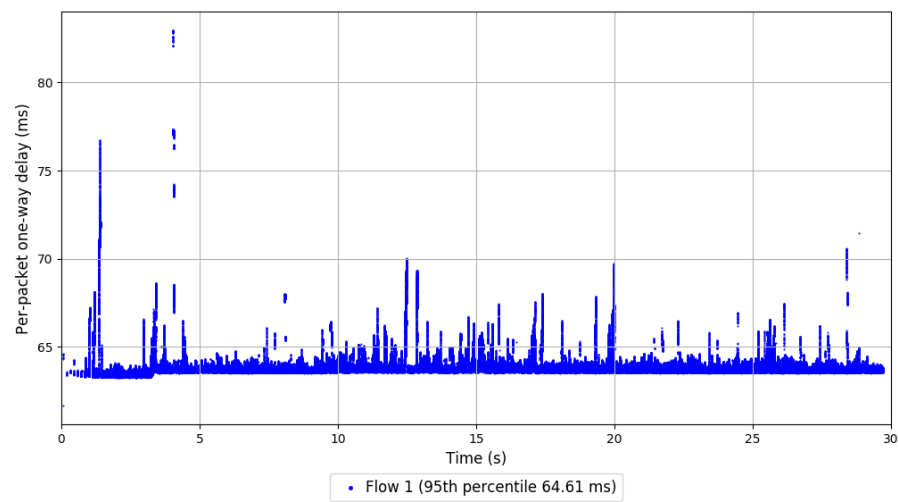
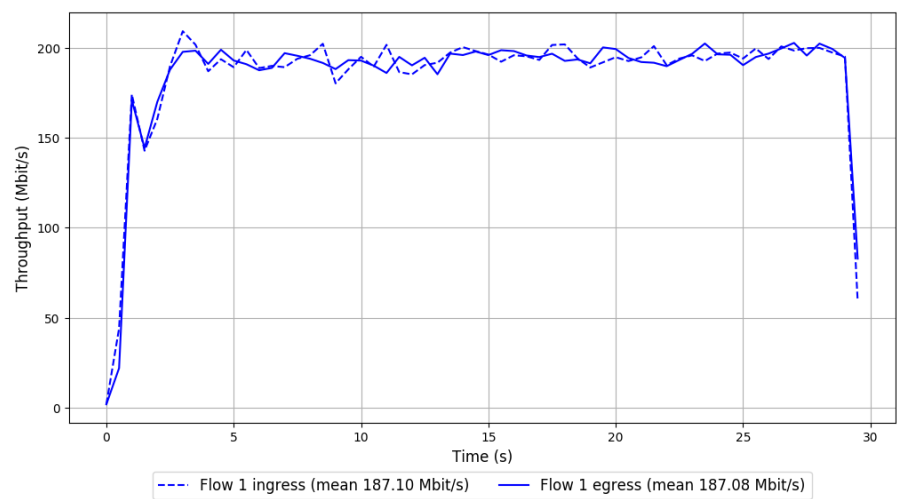
-- Flow 1:

Average throughput: 187.08 Mbit/s

95th percentile per-packet one-way delay: 64.611 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-01-17 00:54:53

End at: 2018-01-17 00:55:23

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.53 Mbit/s

95th percentile per-packet one-way delay: 73.833 ms

Loss rate: 0.08%

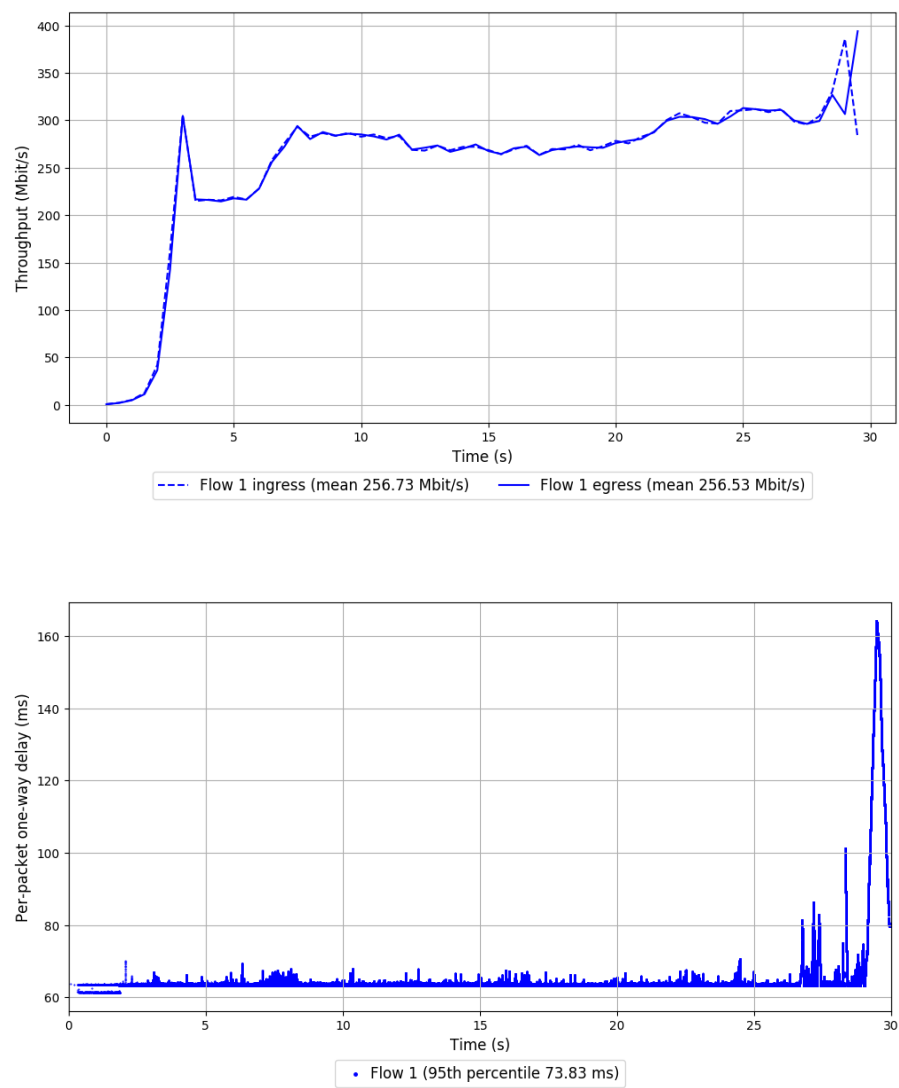
-- Flow 1:

Average throughput: 256.53 Mbit/s

95th percentile per-packet one-way delay: 73.833 ms

Loss rate: 0.08%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-17 01:09:03

End at: 2018-01-17 01:09:33

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.55 Mbit/s

95th percentile per-packet one-way delay: 63.557 ms

Loss rate: 0.00%

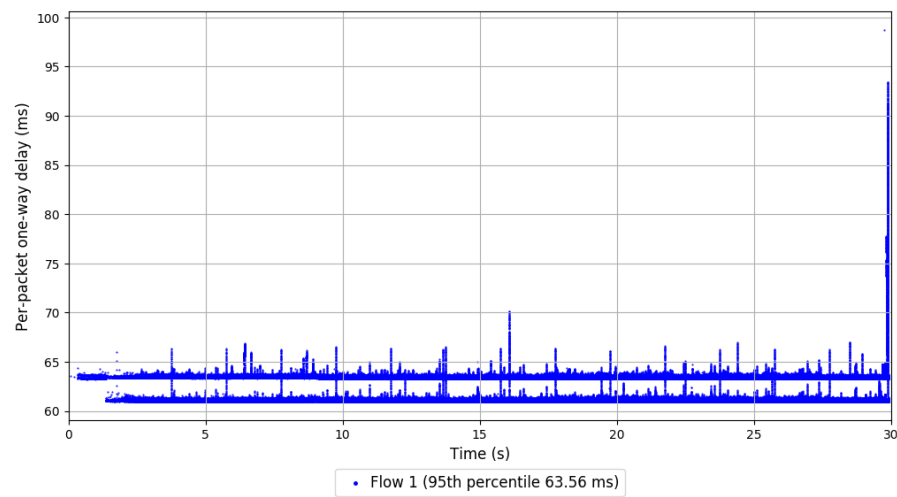
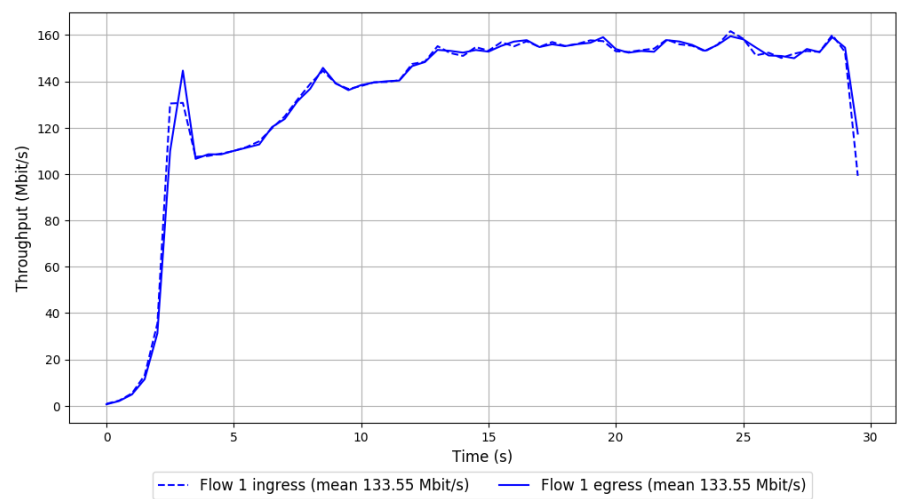
-- Flow 1:

Average throughput: 133.55 Mbit/s

95th percentile per-packet one-way delay: 63.557 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-17 01:23:03

End at: 2018-01-17 01:23:33

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.19 Mbit/s

95th percentile per-packet one-way delay: 64.783 ms

Loss rate: 0.00%

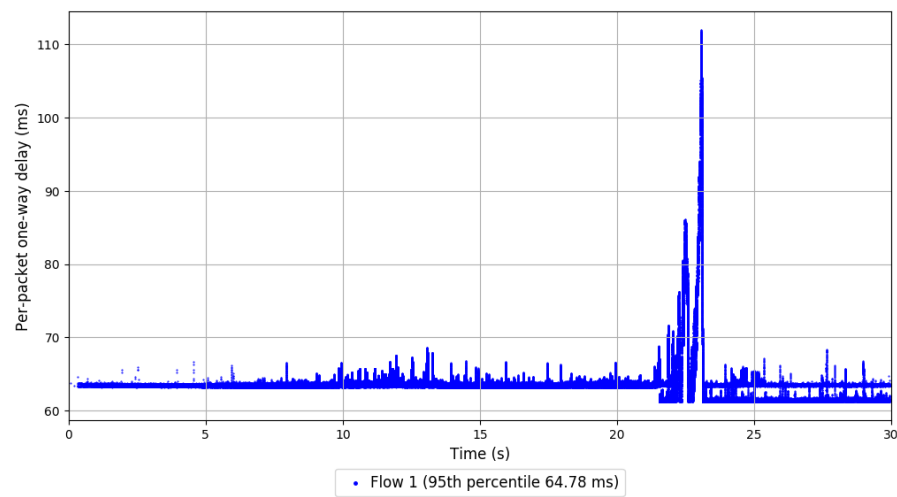
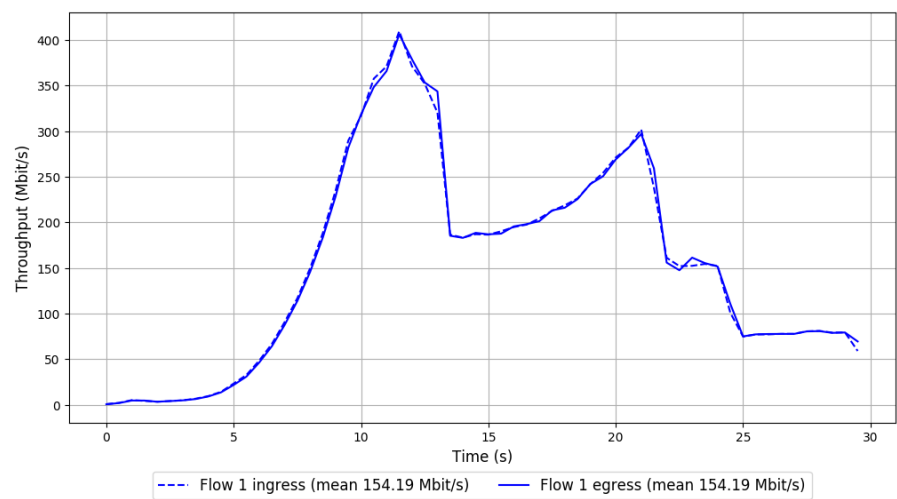
-- Flow 1:

Average throughput: 154.19 Mbit/s

95th percentile per-packet one-way delay: 64.783 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-17 01:37:31

End at: 2018-01-17 01:38:01

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.00 Mbit/s

95th percentile per-packet one-way delay: 63.717 ms

Loss rate: 0.00%

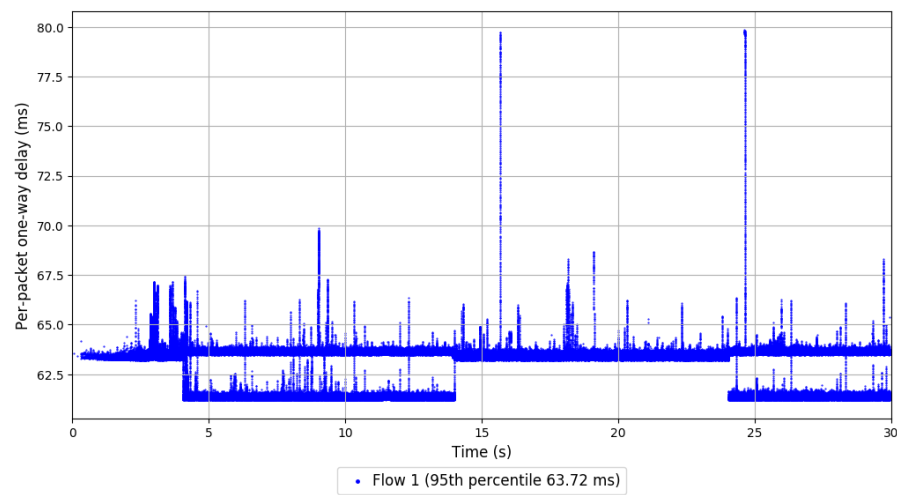
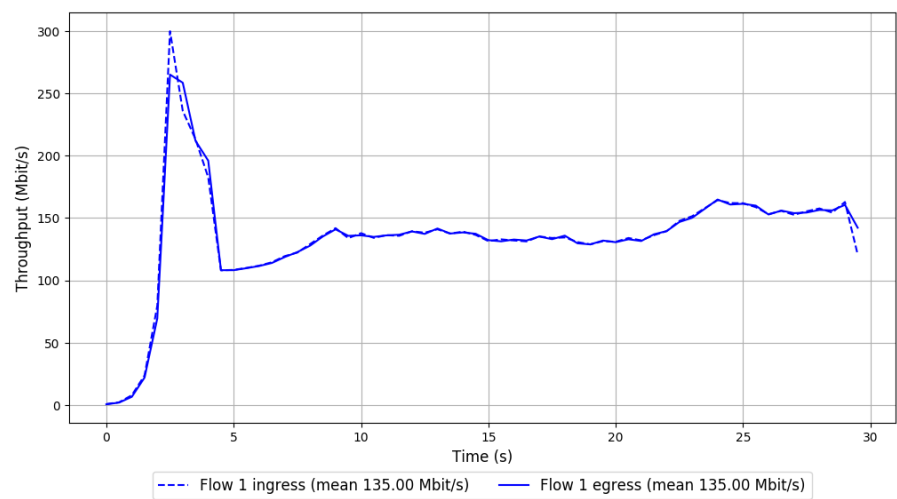
-- Flow 1:

Average throughput: 135.00 Mbit/s

95th percentile per-packet one-way delay: 63.717 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-17 01:51:18

End at: 2018-01-17 01:51:48

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.89 Mbit/s

95th percentile per-packet one-way delay: 70.388 ms

Loss rate: 0.01%

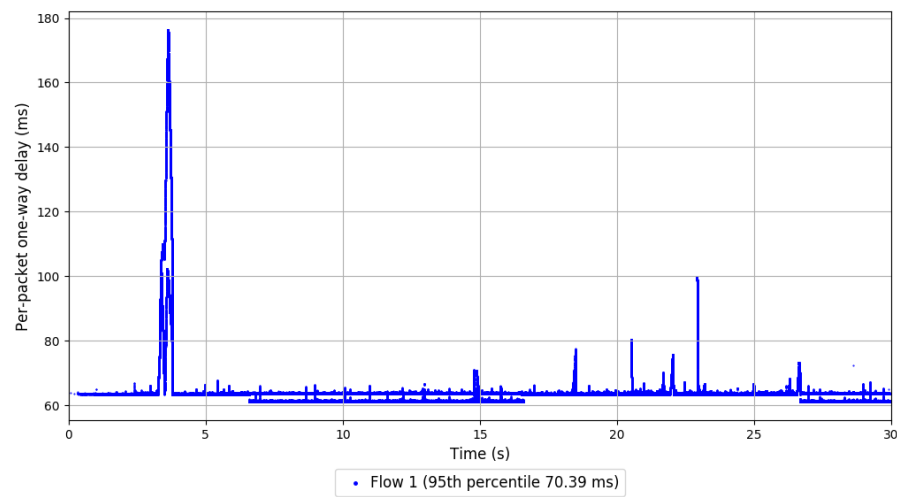
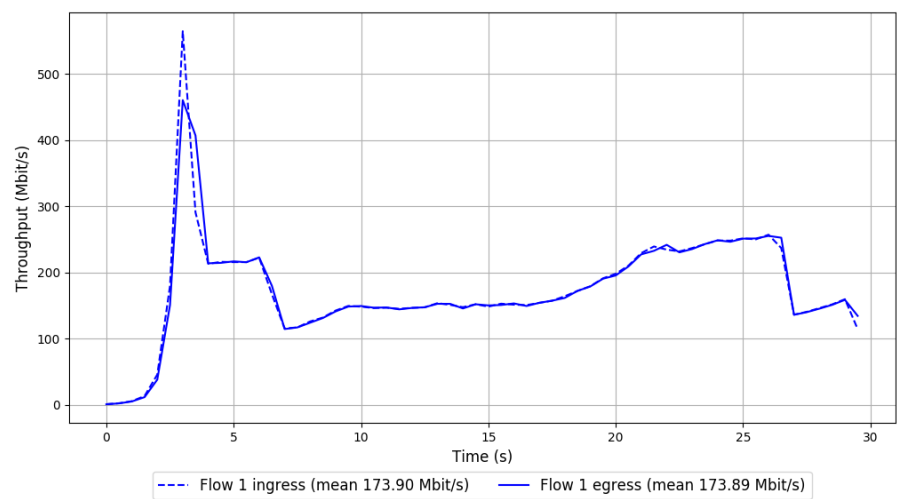
-- Flow 1:

Average throughput: 173.89 Mbit/s

95th percentile per-packet one-way delay: 70.388 ms

Loss rate: 0.01%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-17 02:05:41

End at: 2018-01-17 02:06:11

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.69 Mbit/s

95th percentile per-packet one-way delay: 102.753 ms

Loss rate: 0.01%

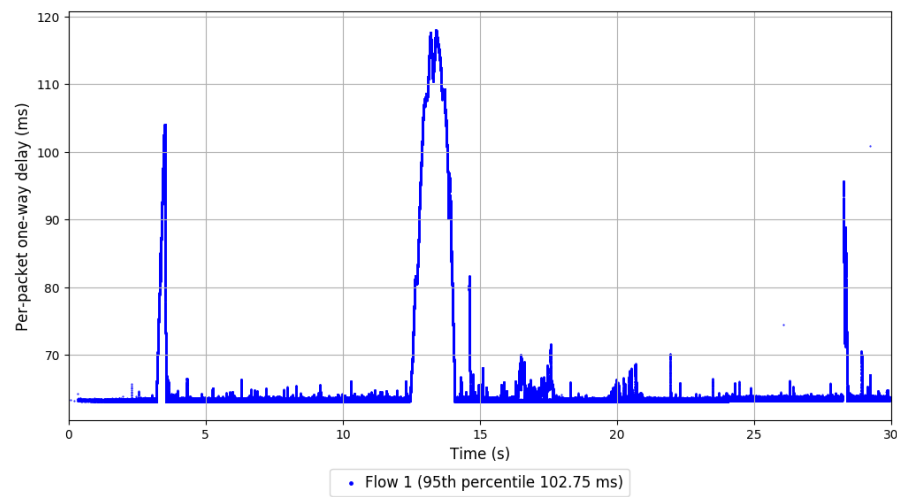
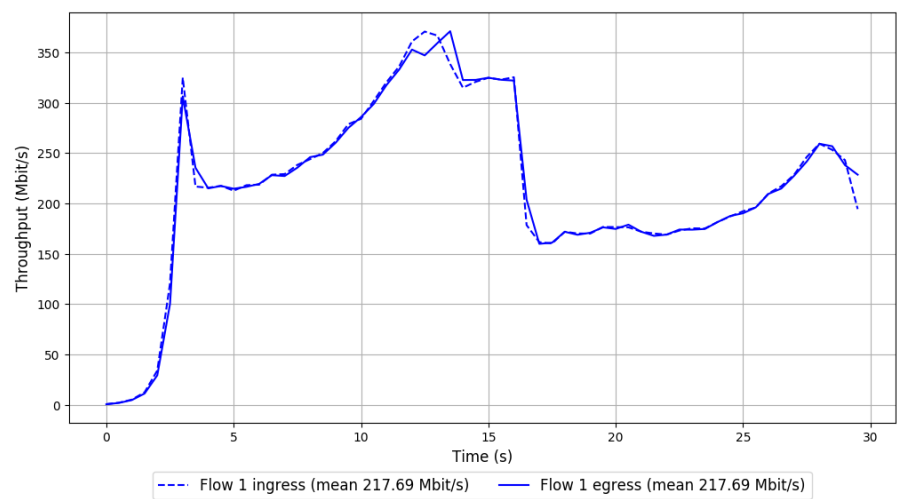
-- Flow 1:

Average throughput: 217.69 Mbit/s

95th percentile per-packet one-way delay: 102.753 ms

Loss rate: 0.01%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-17 02:19:59

End at: 2018-01-17 02:20:29

Below is generated by plot.py at 2018-01-17 05:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.14 Mbit/s

95th percentile per-packet one-way delay: 66.726 ms

Loss rate: 0.00%

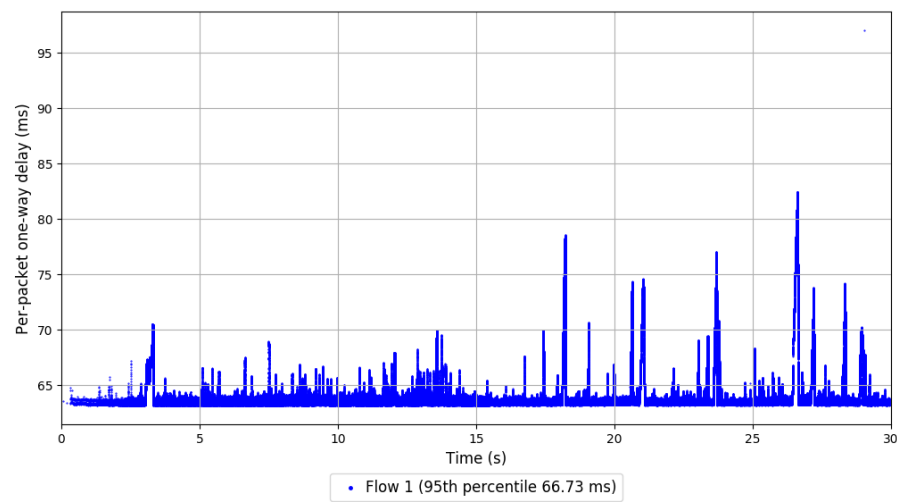
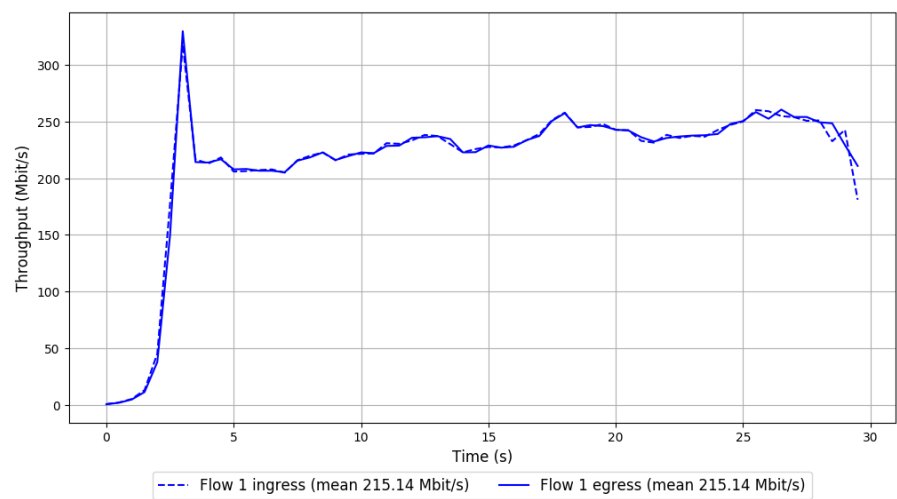
-- Flow 1:

Average throughput: 215.14 Mbit/s

95th percentile per-packet one-way delay: 66.726 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-17 02:34:16

End at: 2018-01-17 02:34:46

Below is generated by plot.py at 2018-01-17 05:31:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.41 Mbit/s

95th percentile per-packet one-way delay: 116.251 ms

Loss rate: 0.00%

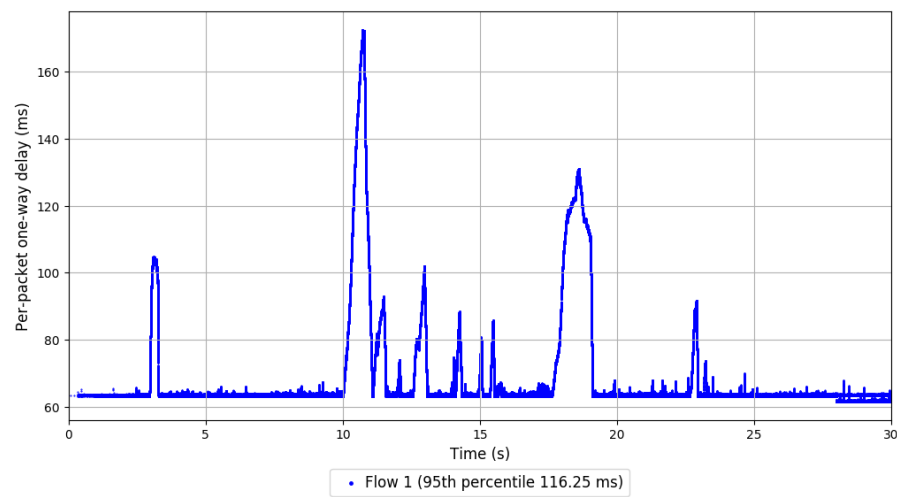
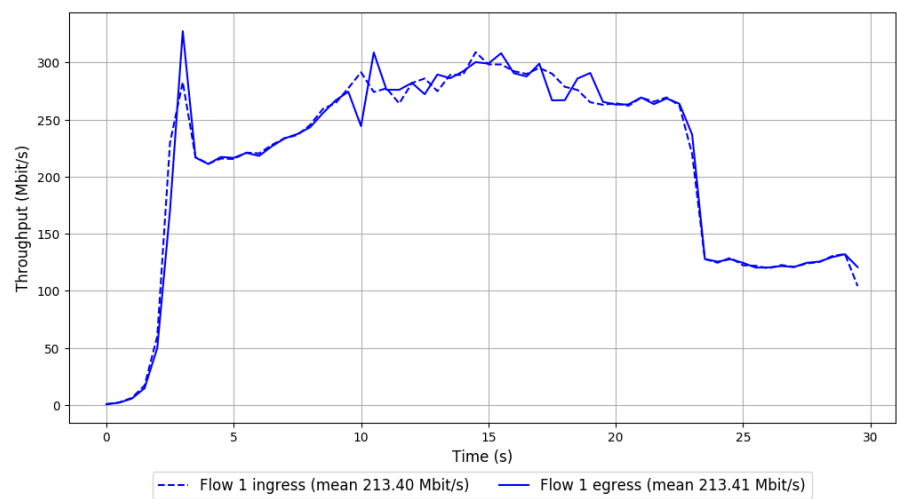
-- Flow 1:

Average throughput: 213.41 Mbit/s

95th percentile per-packet one-way delay: 116.251 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-17 02:48:38

End at: 2018-01-17 02:49:08

Below is generated by plot.py at 2018-01-17 05:31:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.01 Mbit/s

95th percentile per-packet one-way delay: 130.774 ms

Loss rate: 0.15%

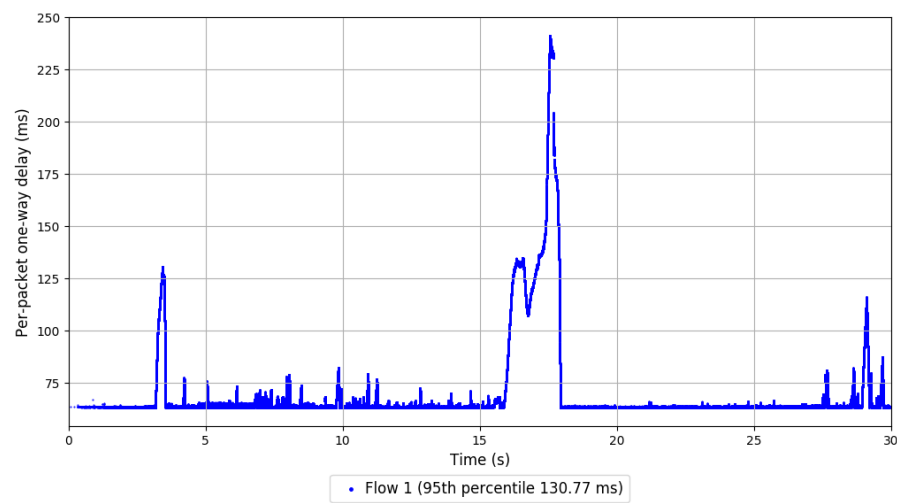
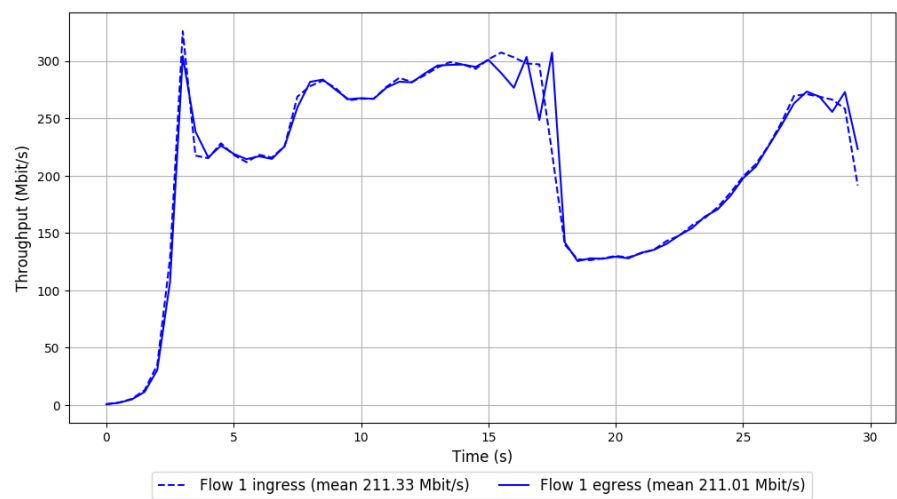
-- Flow 1:

Average throughput: 211.01 Mbit/s

95th percentile per-packet one-way delay: 130.774 ms

Loss rate: 0.15%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

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

End at: 2018-01-17 03:03:33

Below is generated by plot.py at 2018-01-17 05:32:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.13 Mbit/s

95th percentile per-packet one-way delay: 83.598 ms

Loss rate: 0.28%

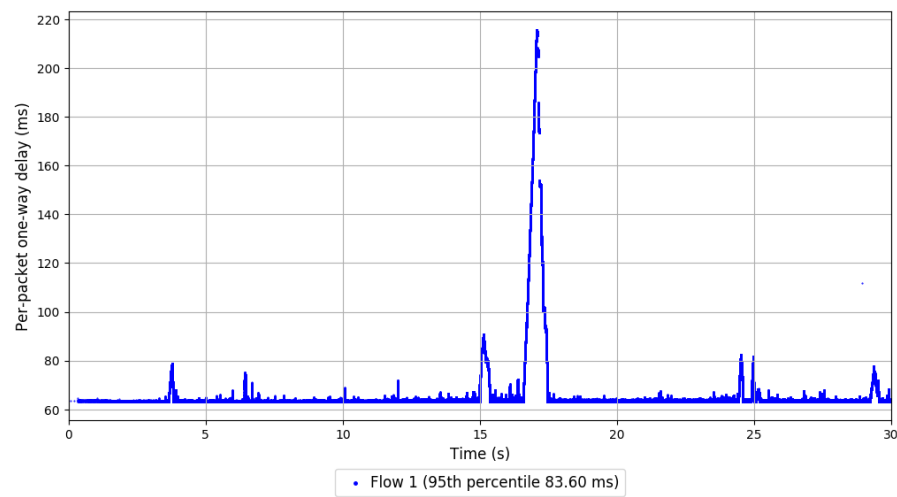
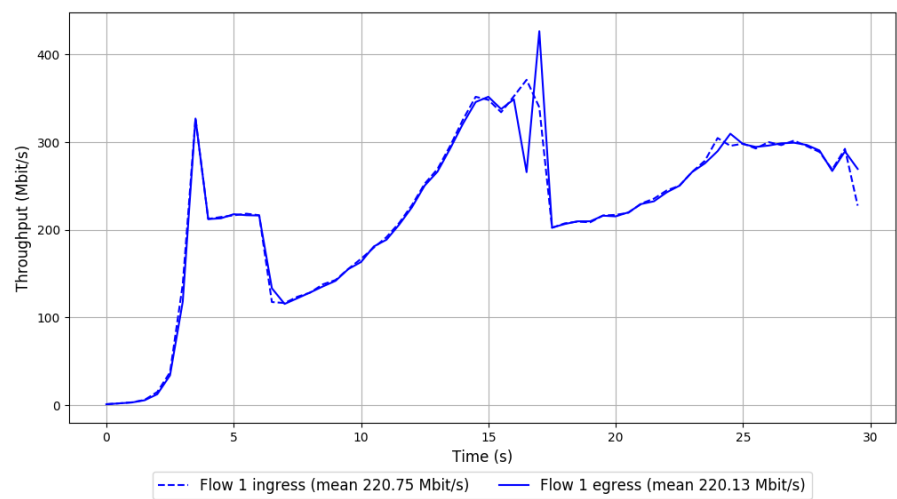
-- Flow 1:

Average throughput: 220.13 Mbit/s

95th percentile per-packet one-way delay: 83.598 ms

Loss rate: 0.28%

Run 10: Report of Vivace-latency — Data Link

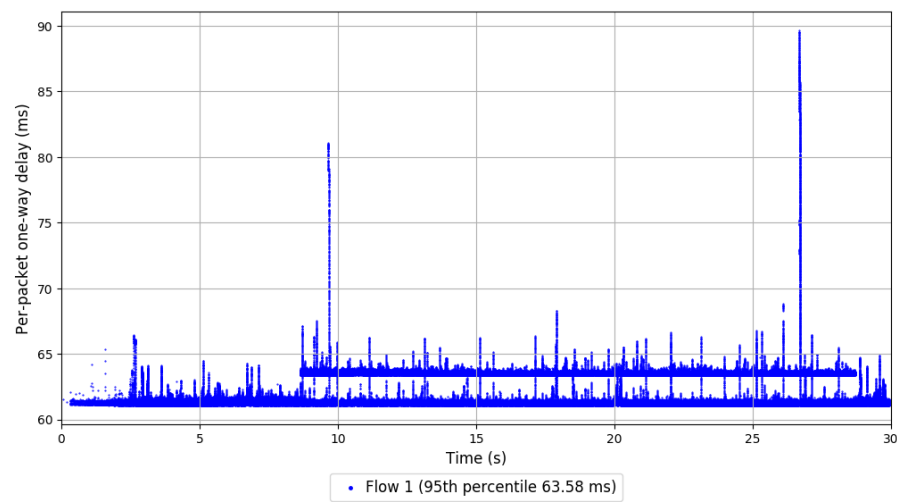
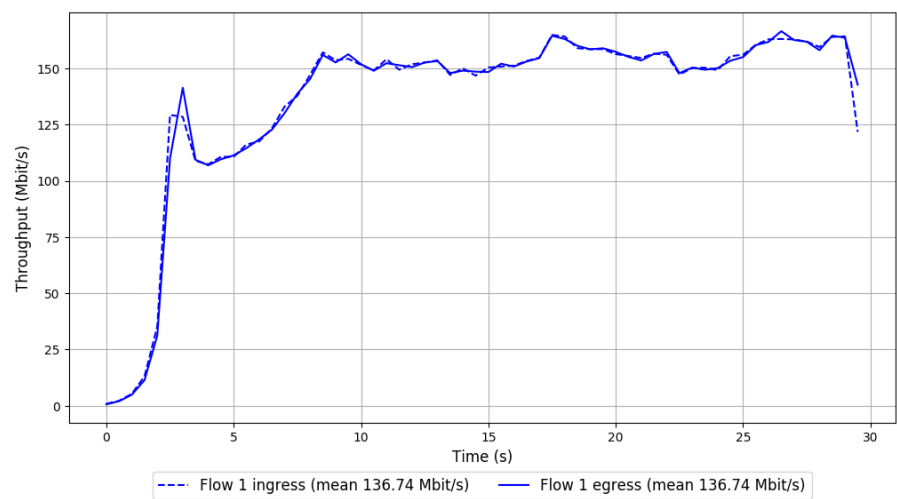


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-17 00:55:56
End at: 2018-01-17 00:56:26

# Below is generated by plot.py at 2018-01-17 05:32:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.74 Mbit/s
95th percentile per-packet one-way delay: 63.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.74 Mbit/s
95th percentile per-packet one-way delay: 63.583 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-17 01:09:54

End at: 2018-01-17 01:10:24

Below is generated by plot.py at 2018-01-17 05:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.69 Mbit/s

95th percentile per-packet one-way delay: 64.343 ms

Loss rate: 0.00%

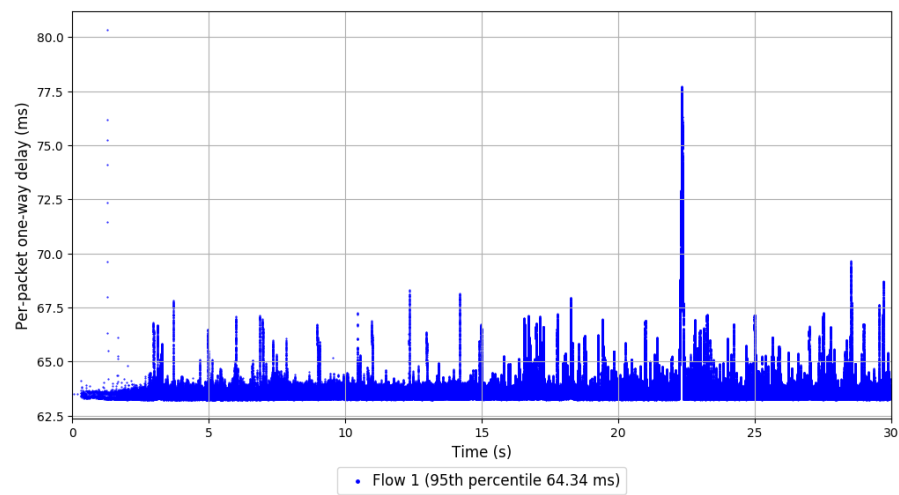
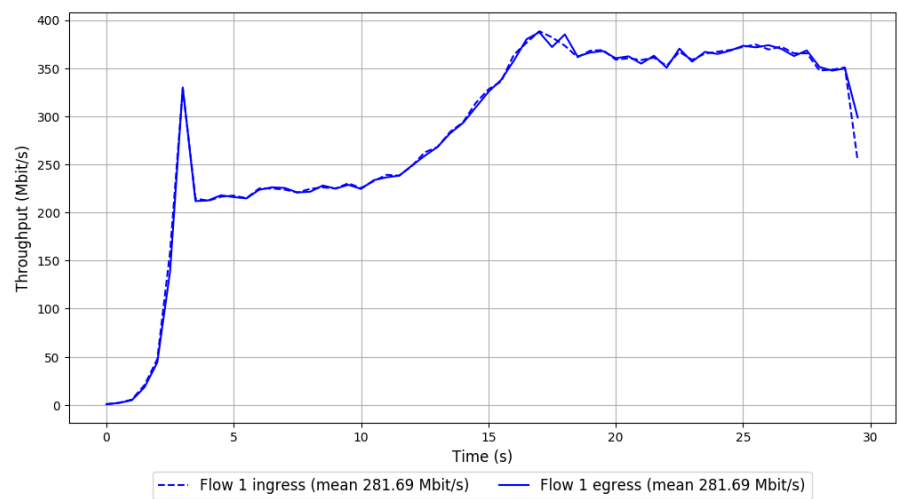
-- Flow 1:

Average throughput: 281.69 Mbit/s

95th percentile per-packet one-way delay: 64.343 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-17 01:23:56

End at: 2018-01-17 01:24:26

Below is generated by plot.py at 2018-01-17 05:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.35 Mbit/s

95th percentile per-packet one-way delay: 64.409 ms

Loss rate: 0.01%

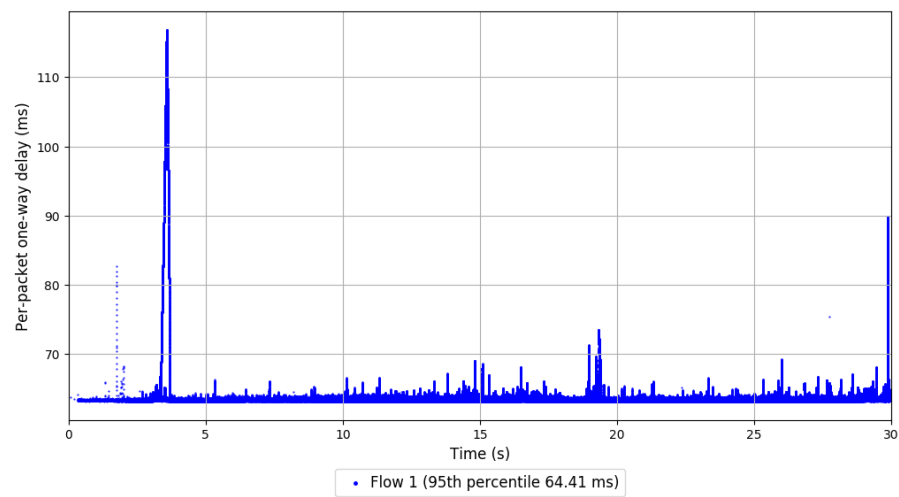
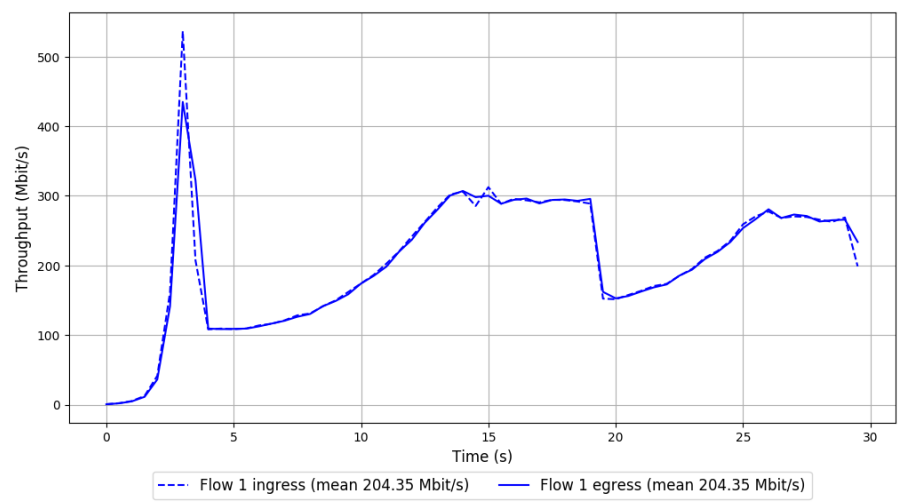
-- Flow 1:

Average throughput: 204.35 Mbit/s

95th percentile per-packet one-way delay: 64.409 ms

Loss rate: 0.01%

Run 3: Report of Vivace-loss — Data Link

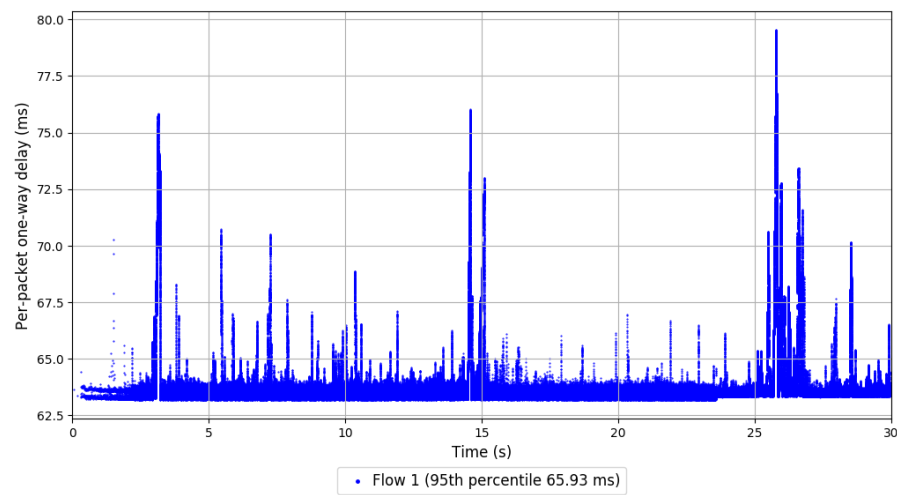
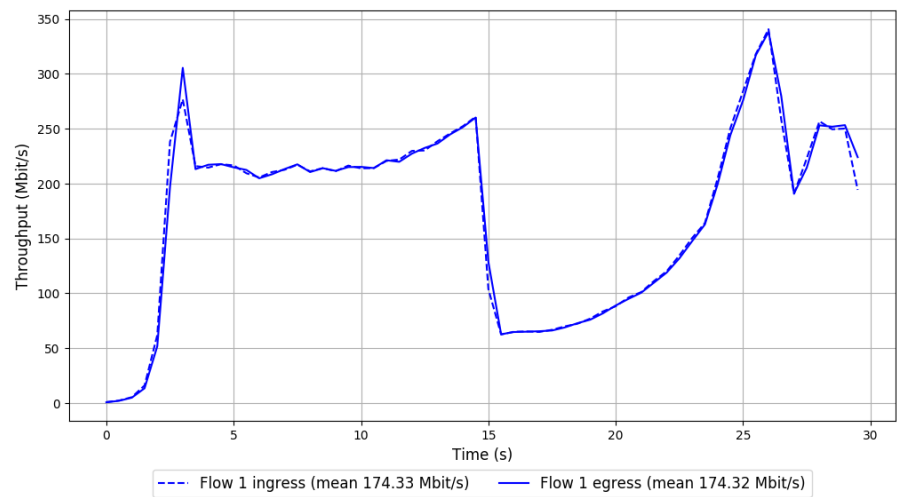


```
Run 4: Statistics of Vivace-loss

Start at: 2018-01-17 01:38:21
End at: 2018-01-17 01:38:51

# Below is generated by plot.py at 2018-01-17 05:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.32 Mbit/s
95th percentile per-packet one-way delay: 65.930 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 174.32 Mbit/s
95th percentile per-packet one-way delay: 65.930 ms
Loss rate: 0.01%
```

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-17 01:52:12

End at: 2018-01-17 01:52:42

Below is generated by plot.py at 2018-01-17 05:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.05 Mbit/s

95th percentile per-packet one-way delay: 63.655 ms

Loss rate: 0.00%

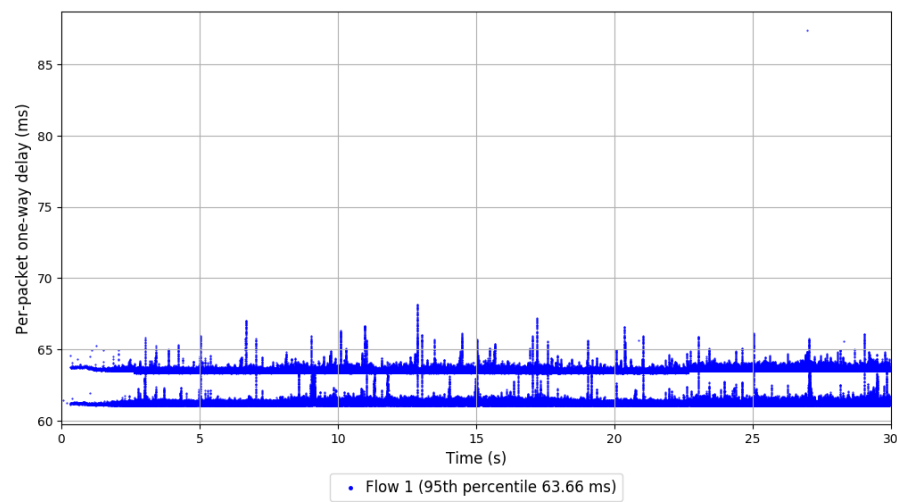
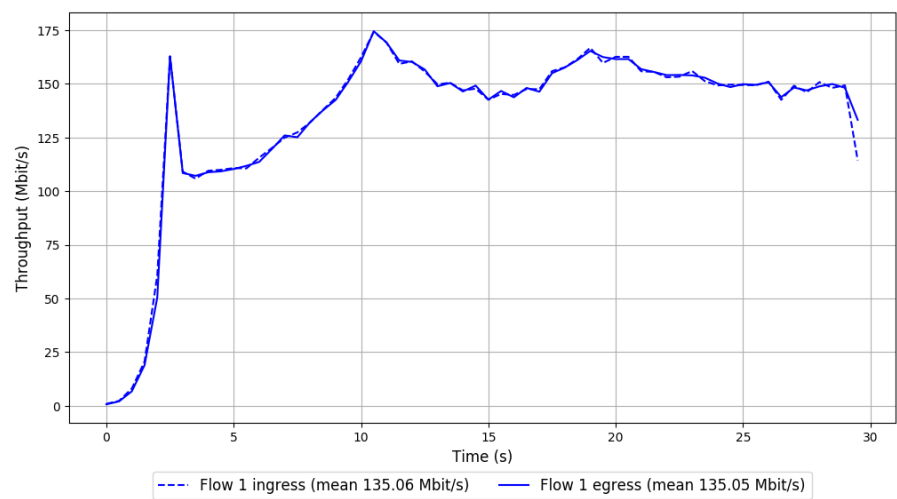
-- Flow 1:

Average throughput: 135.05 Mbit/s

95th percentile per-packet one-way delay: 63.655 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-17 02:06:39

End at: 2018-01-17 02:07:09

Below is generated by plot.py at 2018-01-17 05:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.23 Mbit/s

95th percentile per-packet one-way delay: 64.030 ms

Loss rate: 0.00%

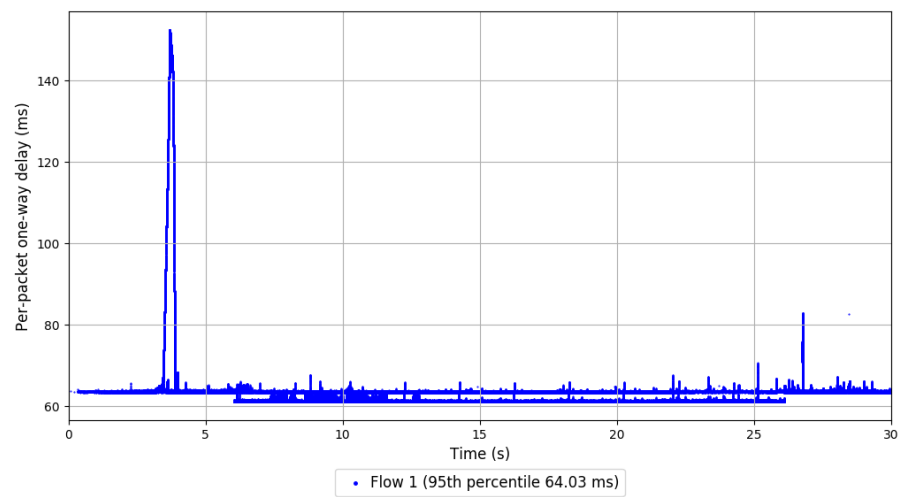
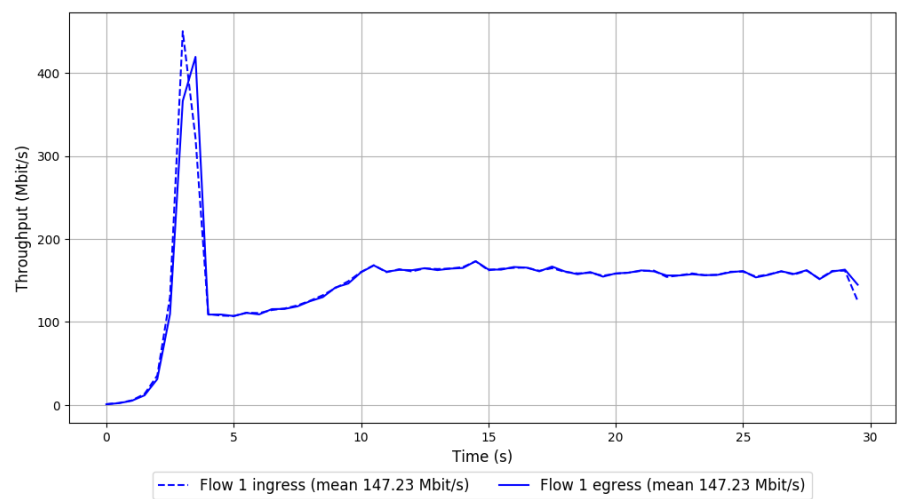
-- Flow 1:

Average throughput: 147.23 Mbit/s

95th percentile per-packet one-way delay: 64.030 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-17 02:20:58

End at: 2018-01-17 02:21:28

Below is generated by plot.py at 2018-01-17 05:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 63.568 ms

Loss rate: 0.00%

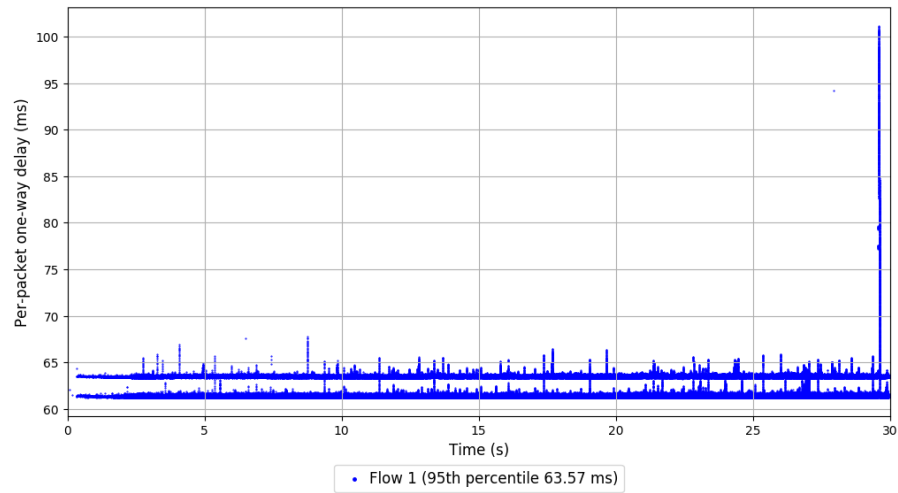
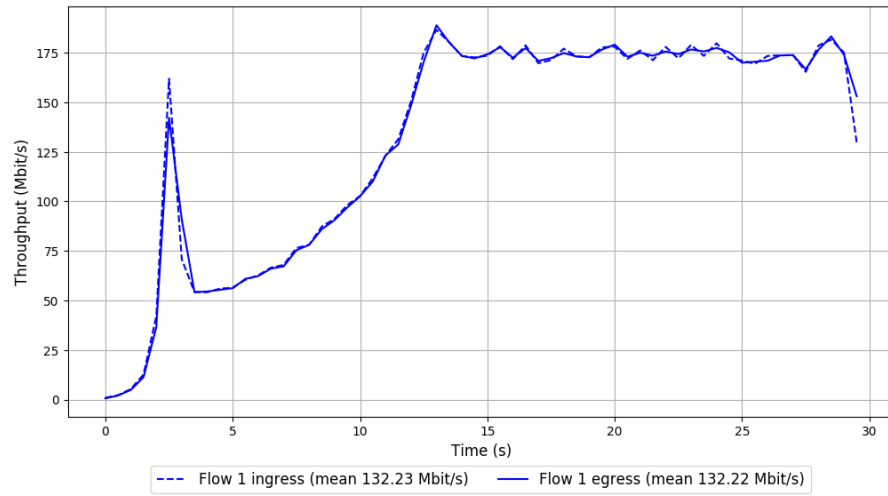
-- Flow 1:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 63.568 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-17 02:35:15

End at: 2018-01-17 02:35:45

Below is generated by plot.py at 2018-01-17 05:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.58 Mbit/s

95th percentile per-packet one-way delay: 63.752 ms

Loss rate: 0.00%

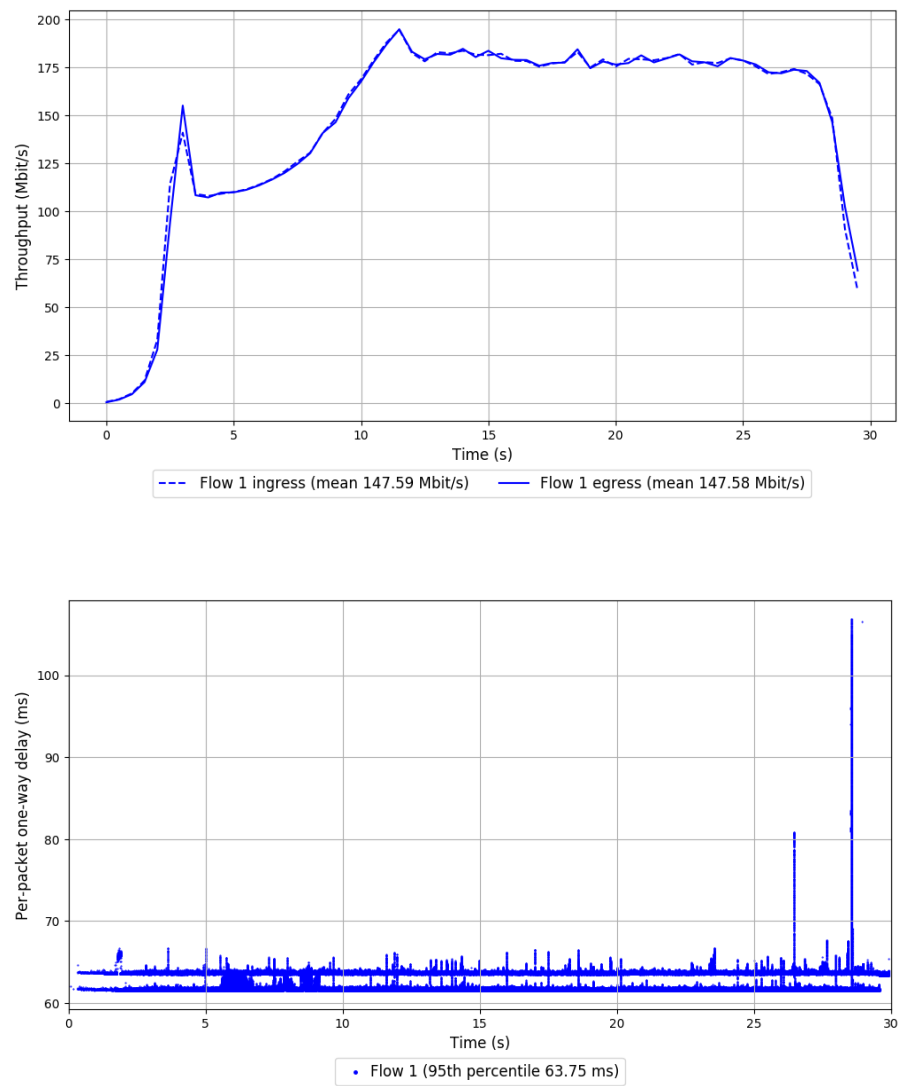
-- Flow 1:

Average throughput: 147.58 Mbit/s

95th percentile per-packet one-way delay: 63.752 ms

Loss rate: 0.00%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-17 02:49:35

End at: 2018-01-17 02:50:05

Below is generated by plot.py at 2018-01-17 05:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.55 Mbit/s

95th percentile per-packet one-way delay: 109.727 ms

Loss rate: 0.00%

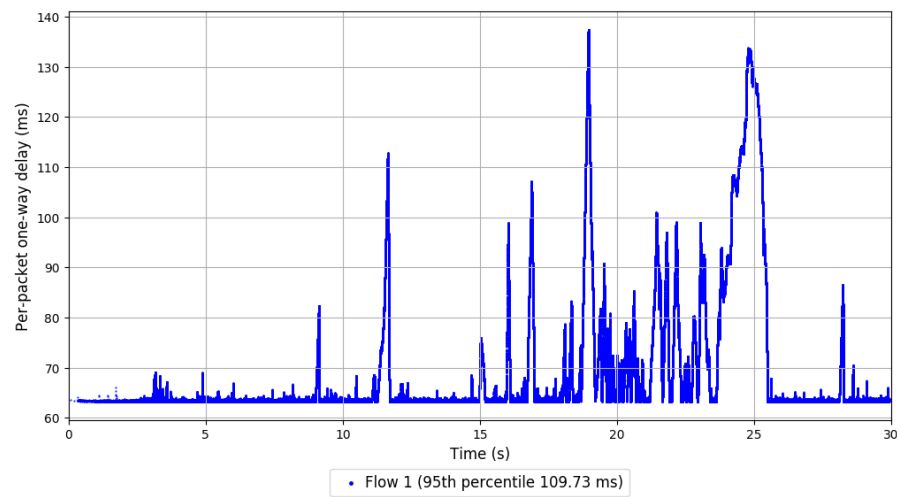
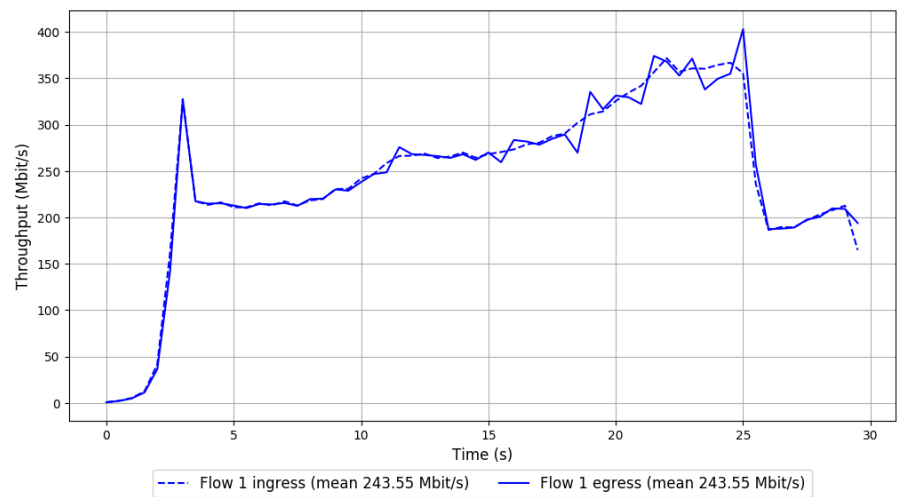
-- Flow 1:

Average throughput: 243.55 Mbit/s

95th percentile per-packet one-way delay: 109.727 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link

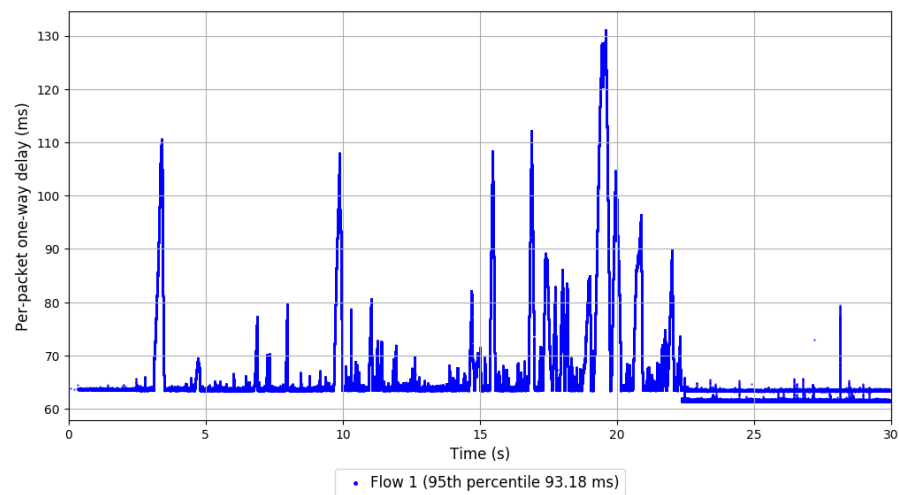
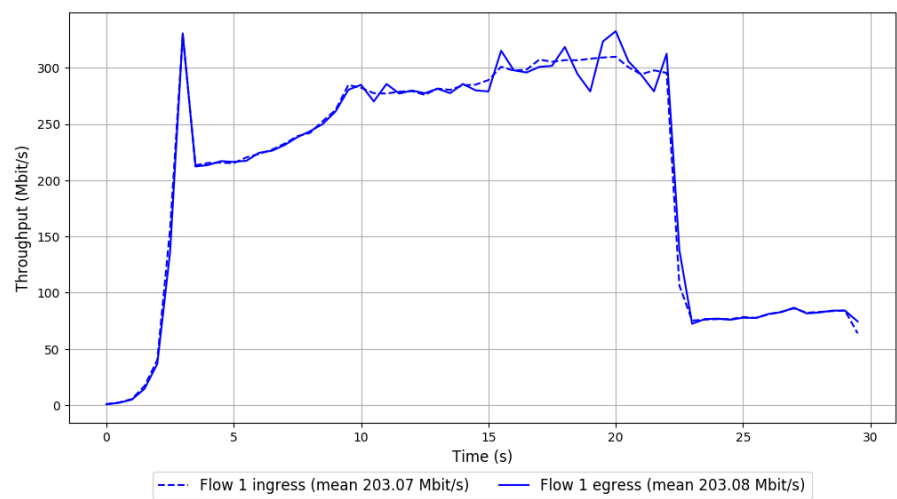


```
Run 10: Statistics of Vivace-loss

Start at: 2018-01-17 03:04:02
End at: 2018-01-17 03:04:32

# Below is generated by plot.py at 2018-01-17 05:41:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.08 Mbit/s
95th percentile per-packet one-way delay: 93.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.08 Mbit/s
95th percentile per-packet one-way delay: 93.181 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-loss — Data Link

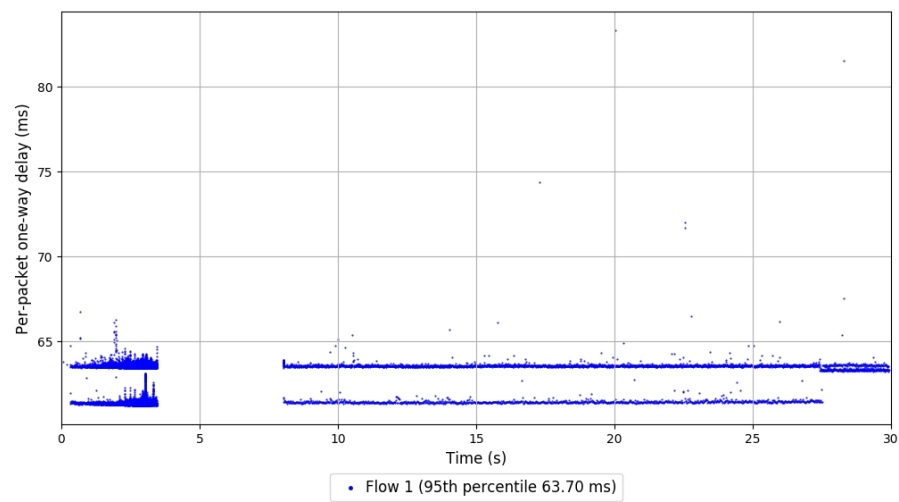
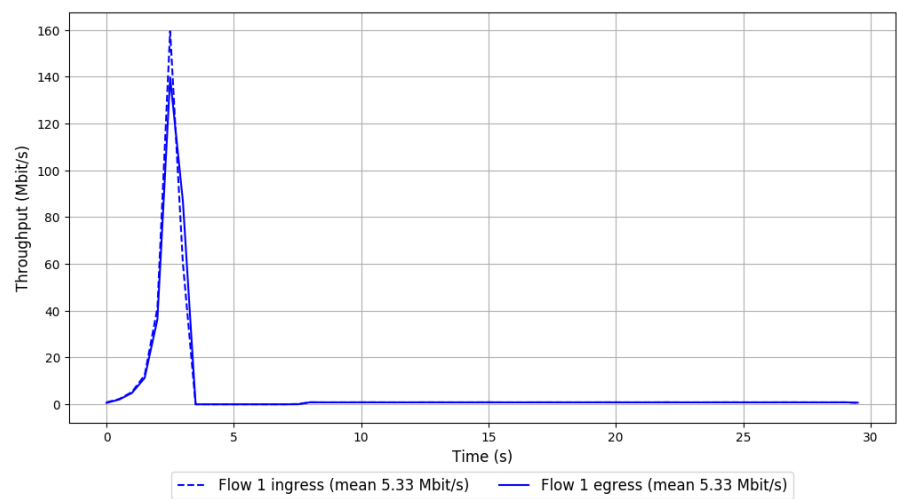


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-17 00:43:27
End at: 2018-01-17 00:43:57

# Below is generated by plot.py at 2018-01-17 05:41:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 63.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 63.700 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-17 00:57:42

End at: 2018-01-17 00:58:12

Below is generated by plot.py at 2018-01-17 05:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.82 Mbit/s

95th percentile per-packet one-way delay: 111.550 ms

Loss rate: 0.00%

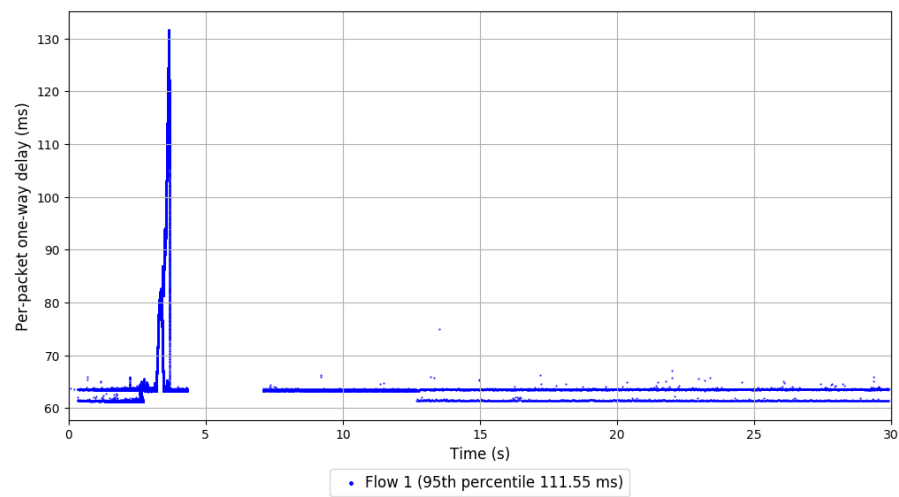
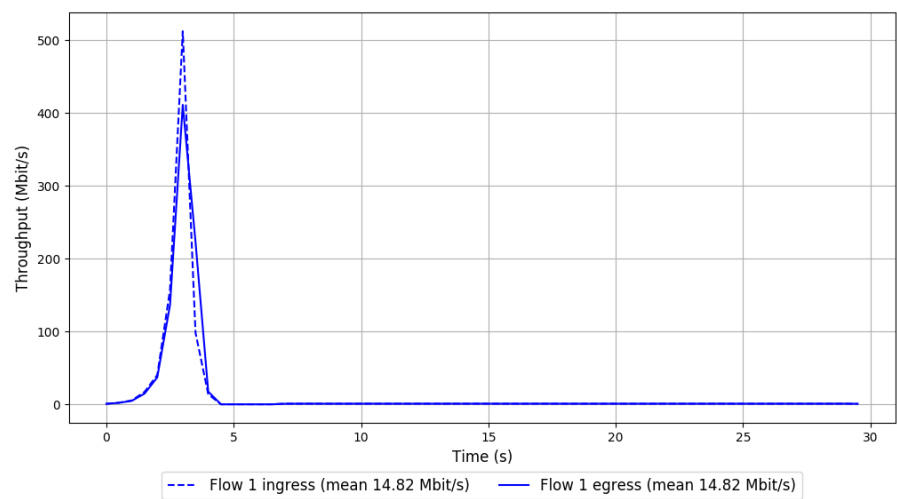
-- Flow 1:

Average throughput: 14.82 Mbit/s

95th percentile per-packet one-way delay: 111.550 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-17 01:11:56

End at: 2018-01-17 01:12:26

Below is generated by plot.py at 2018-01-17 05:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 63.594 ms

Loss rate: 0.00%

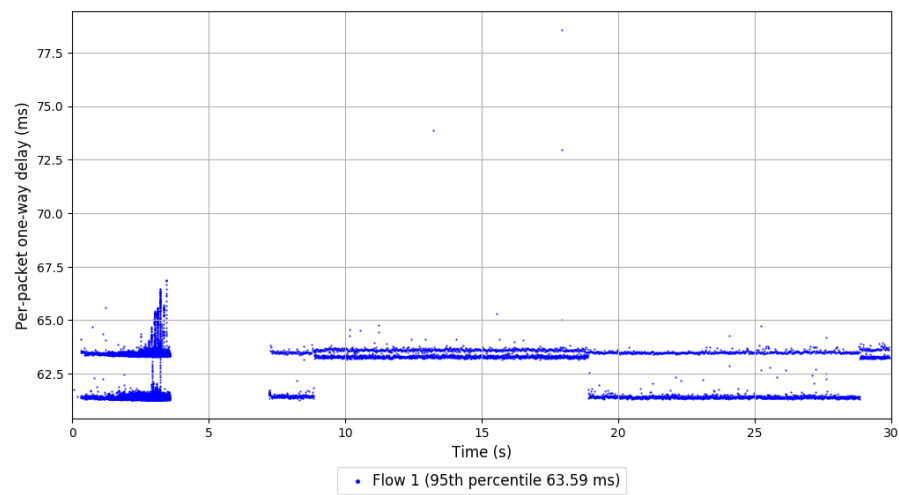
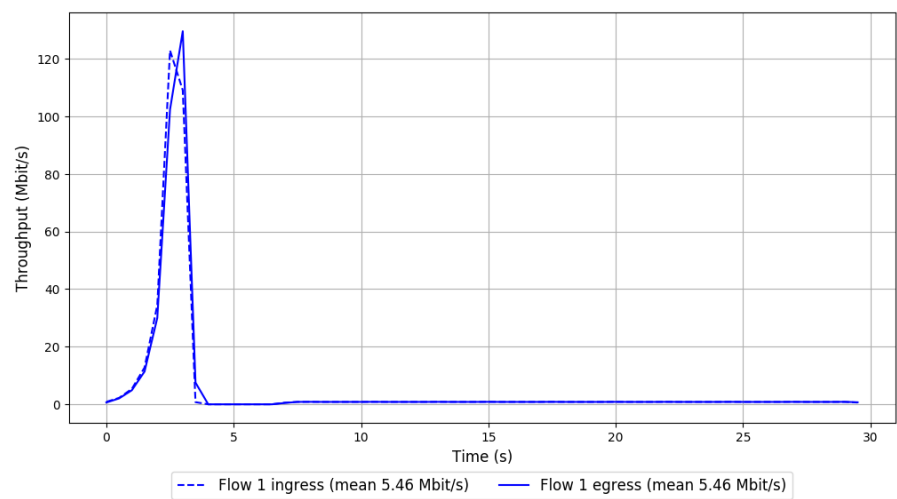
-- Flow 1:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 63.594 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-17 01:25:44

End at: 2018-01-17 01:26:14

Below is generated by plot.py at 2018-01-17 05:41:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.47 Mbit/s

95th percentile per-packet one-way delay: 63.720 ms

Loss rate: 0.00%

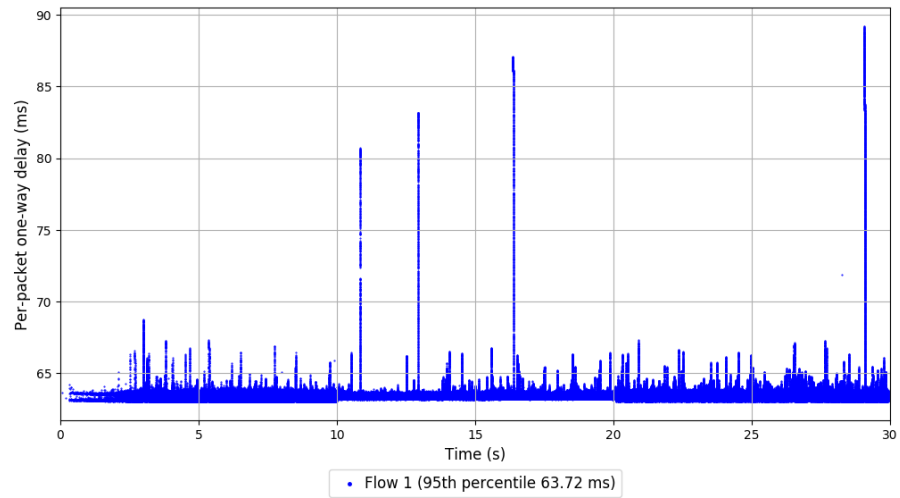
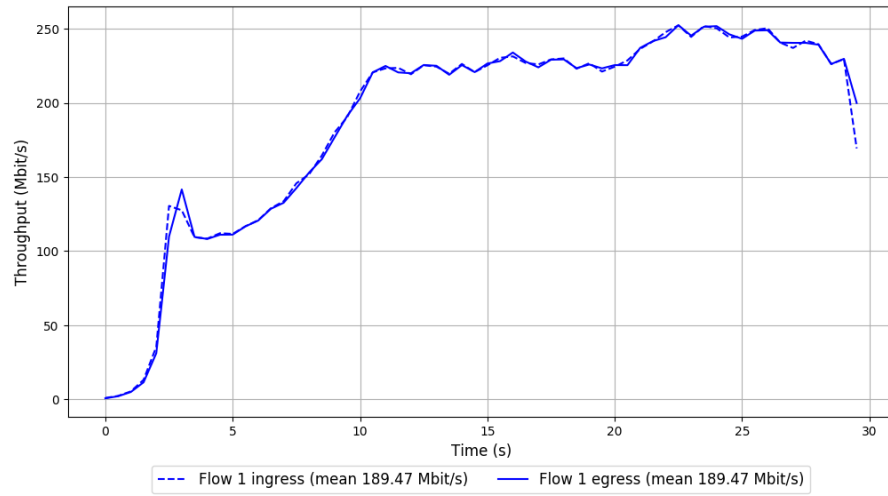
-- Flow 1:

Average throughput: 189.47 Mbit/s

95th percentile per-packet one-way delay: 63.720 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-17 01:40:08

End at: 2018-01-17 01:40:38

Below is generated by plot.py at 2018-01-17 05:41:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 63.702 ms

Loss rate: 0.00%

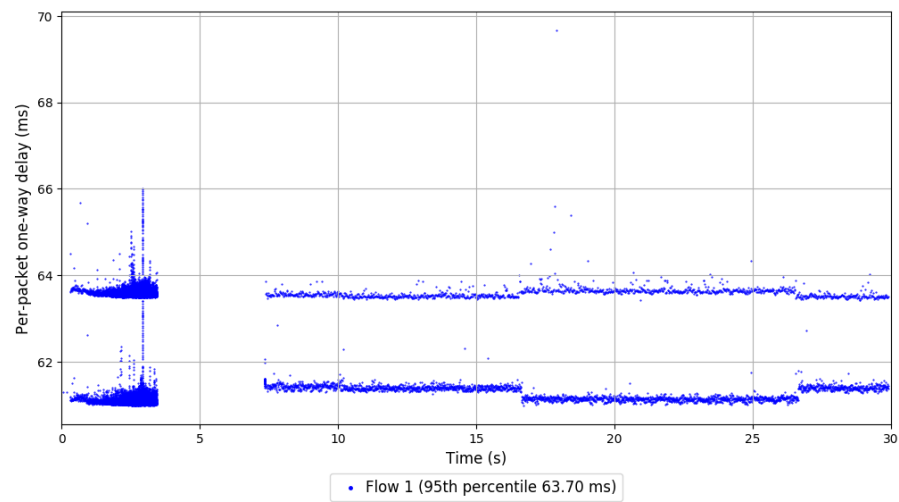
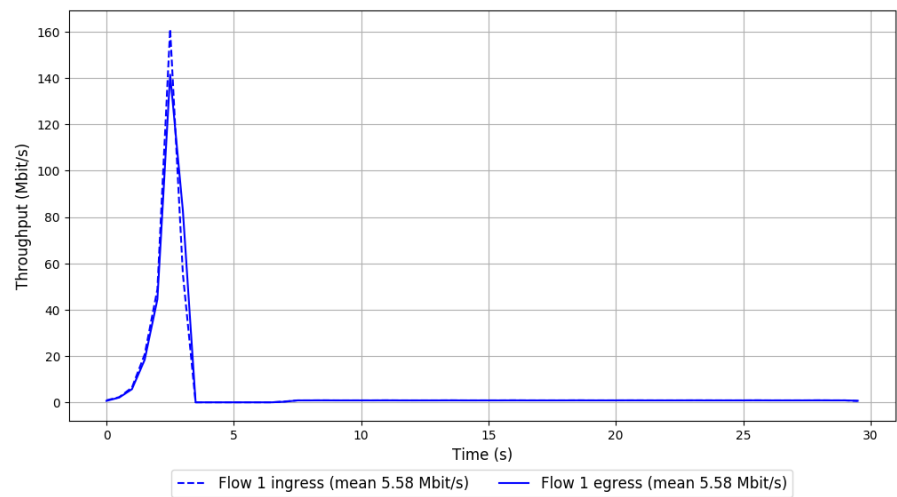
-- Flow 1:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 63.702 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-17 01:53:56

End at: 2018-01-17 01:54:26

Below is generated by plot.py at 2018-01-17 05:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.21 Mbit/s

95th percentile per-packet one-way delay: 96.164 ms

Loss rate: 0.00%

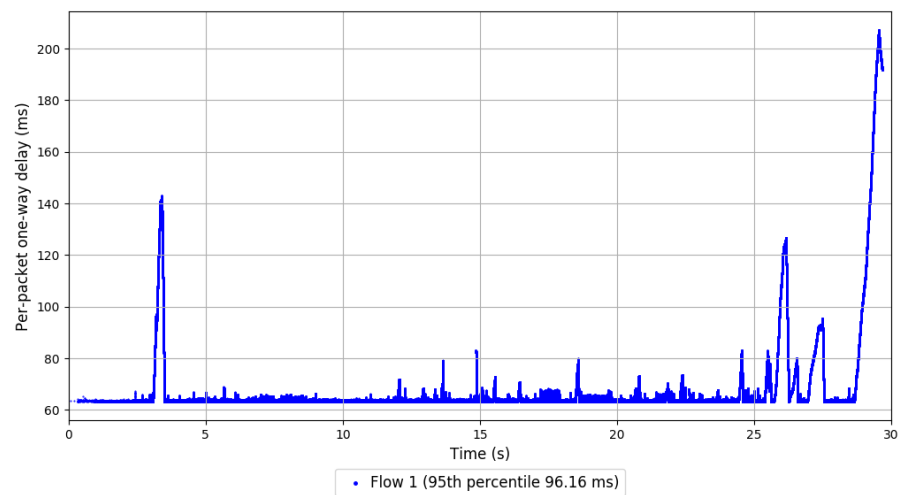
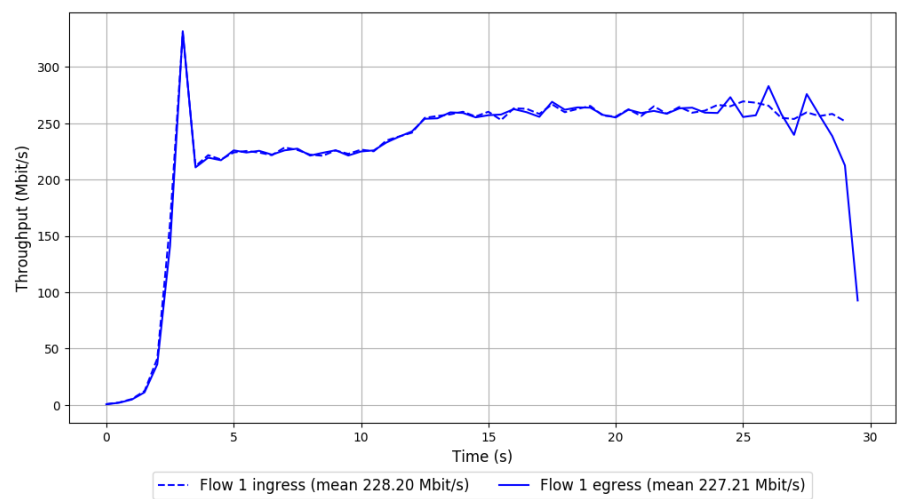
-- Flow 1:

Average throughput: 227.21 Mbit/s

95th percentile per-packet one-way delay: 96.164 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-17 02:08:27

End at: 2018-01-17 02:08:57

Below is generated by plot.py at 2018-01-17 05:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.56 Mbit/s

95th percentile per-packet one-way delay: 64.153 ms

Loss rate: 0.07%

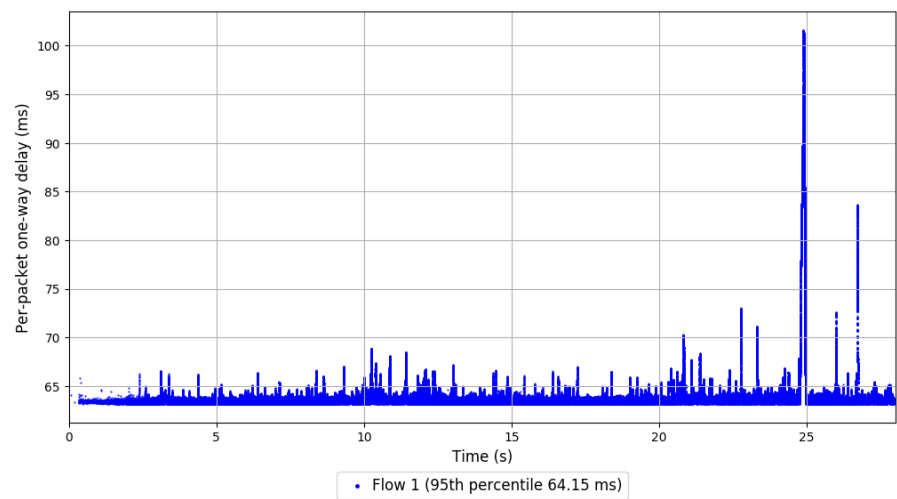
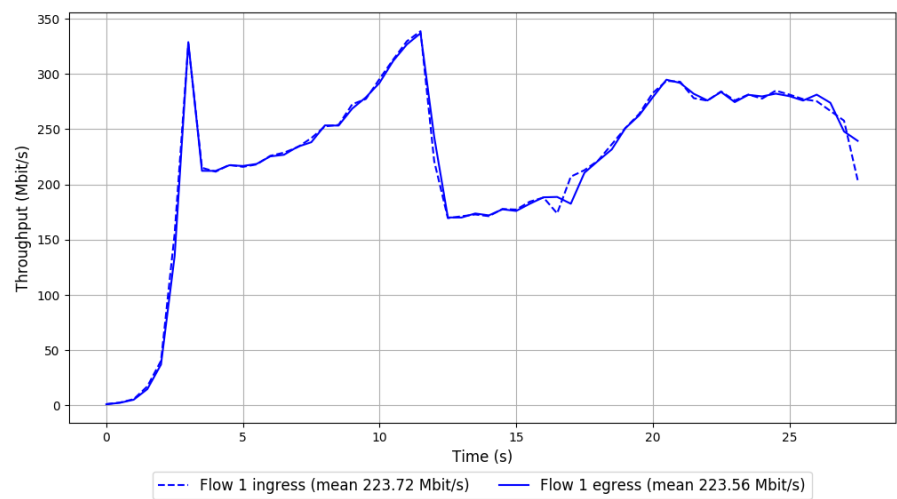
-- Flow 1:

Average throughput: 223.56 Mbit/s

95th percentile per-packet one-way delay: 64.153 ms

Loss rate: 0.07%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-17 02:22:45

End at: 2018-01-17 02:23:15

Below is generated by plot.py at 2018-01-17 05:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.42 Mbit/s

95th percentile per-packet one-way delay: 75.111 ms

Loss rate: 0.03%

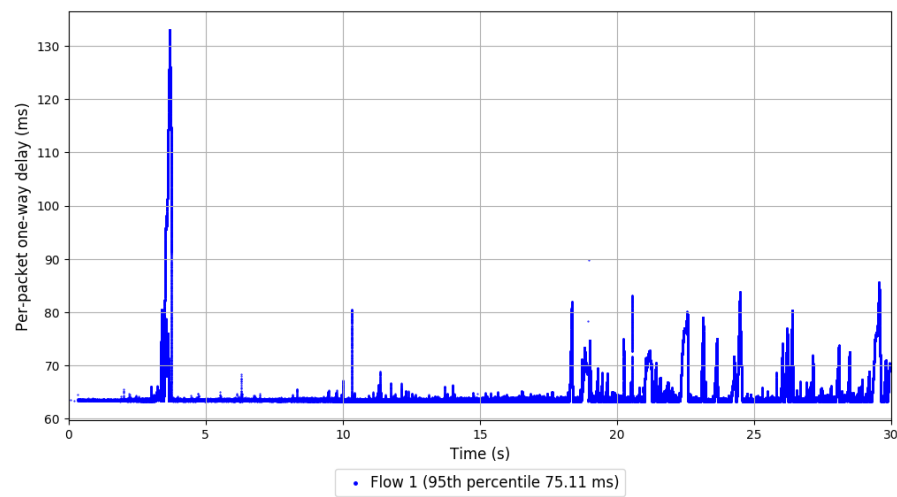
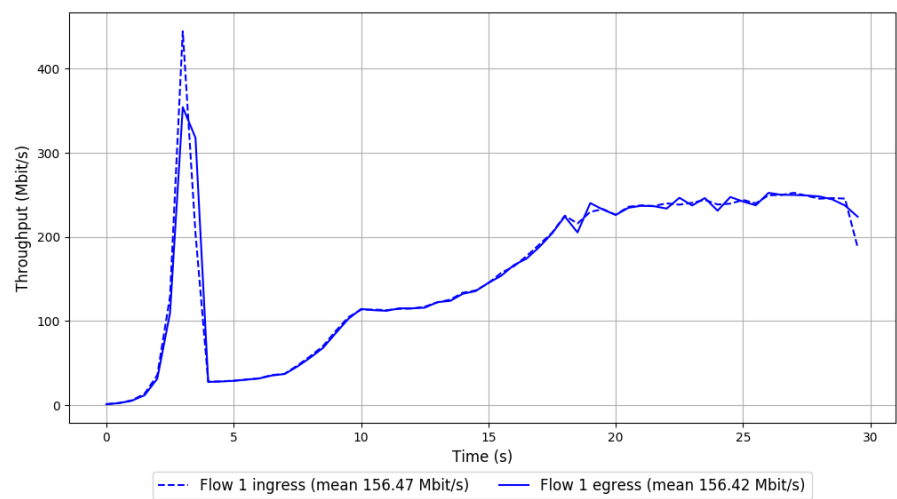
-- Flow 1:

Average throughput: 156.42 Mbit/s

95th percentile per-packet one-way delay: 75.111 ms

Loss rate: 0.03%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-17 02:37:01

End at: 2018-01-17 02:37:31

Below is generated by plot.py at 2018-01-17 05:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.16 Mbit/s

95th percentile per-packet one-way delay: 94.517 ms

Loss rate: 0.03%

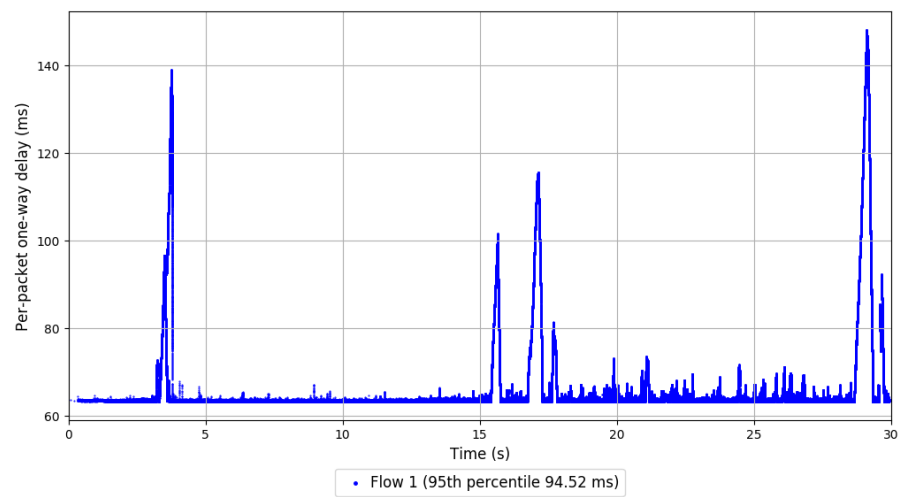
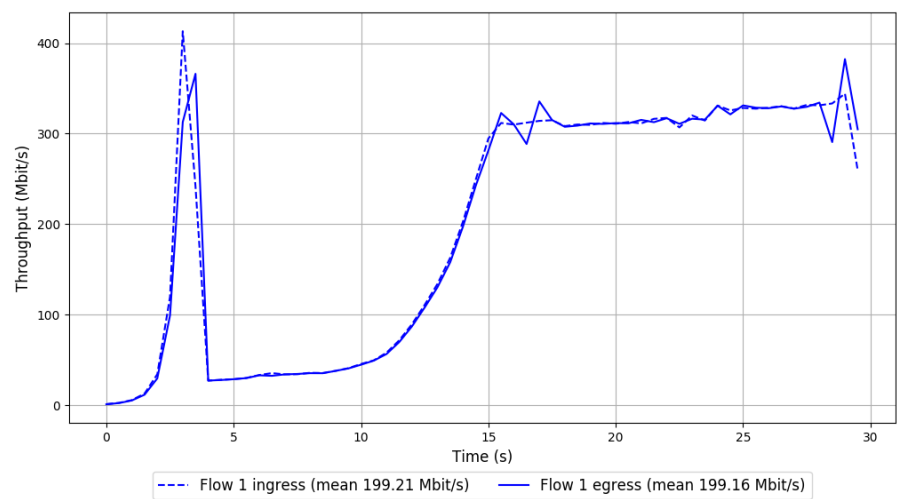
-- Flow 1:

Average throughput: 199.16 Mbit/s

95th percentile per-packet one-way delay: 94.517 ms

Loss rate: 0.03%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-01-17 02:51:31
End at: 2018-01-17 02:52:01

# Below is generated by plot.py at 2018-01-17 05:41:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 154.30 Mbit/s
95th percentile per-packet one-way delay: 63.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.30 Mbit/s
95th percentile per-packet one-way delay: 63.513 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

