

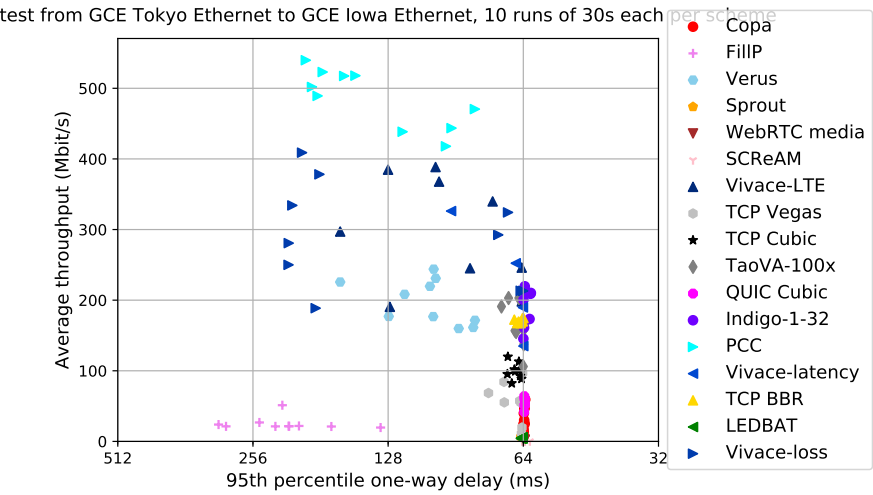
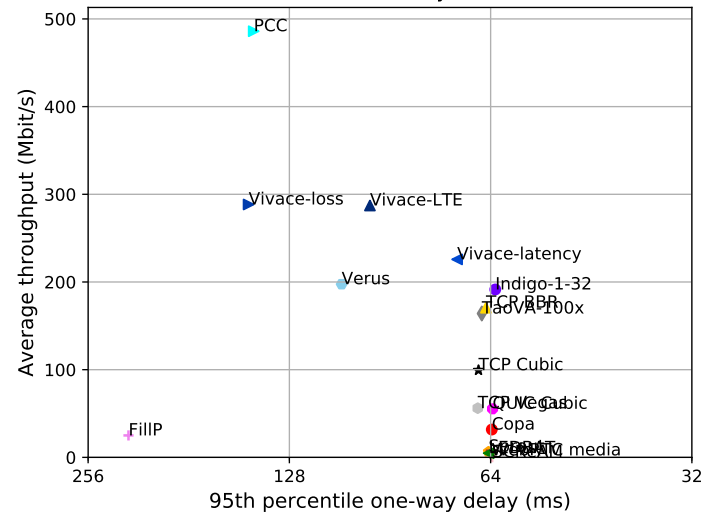
Pantheon Report

Generated at 2018-01-31 06:15:07 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE Iowa Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE Tokyo Ethernet to GCE Iowa 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	9	170.69	65.04	0.41
TCP Cubic	9	99.42	66.73	0.52
LEDBAT	10	4.79	64.44	0.82
PCC	10	485.98	144.72	1.69
QUIC Cubic	8	55.40	63.58	0.55
SCReAM	10	0.22	63.66	0.41
WebRTC media	10	2.27	63.82	0.52
Sprout	10	6.41	64.48	0.72
TaoVA-100x	10	164.04	65.98	0.30
TCP Vegas	10	56.09	66.90	0.42
Verus	10	197.48	106.92	0.69
Copa	10	31.72	63.75	0.43
FillP	10	25.02	222.77	10.00
Indigo-1-32	8	191.46	62.99	0.47
Vivace-latency	4	225.77	71.84	0.61
Vivace-loss	10	288.38	147.29	1.98
Vivace-LTE	10	287.23	96.99	0.55

Run 1: Statistics of TCP BBR

Start at: 2018-01-31 00:51:49

End at: 2018-01-31 00:52:19

Below is generated by plot.py at 2018-01-31 05:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.45 Mbit/s

95th percentile per-packet one-way delay: 67.015 ms

Loss rate: 0.39%

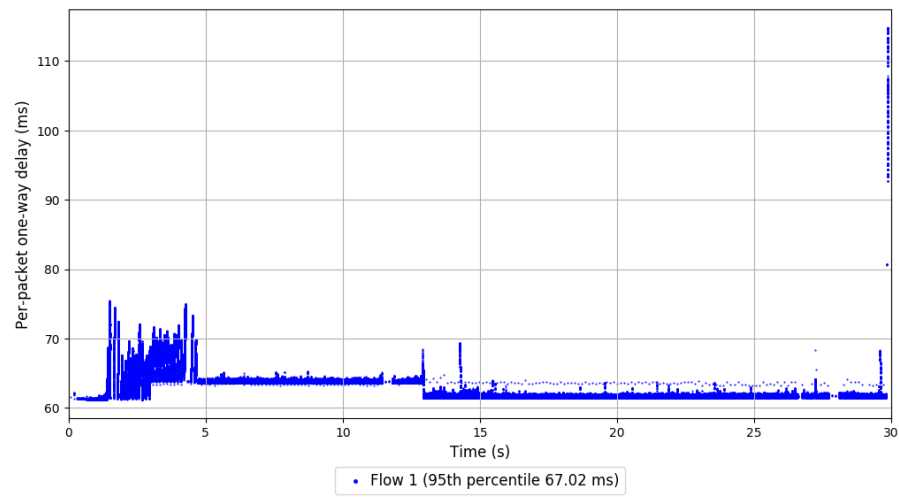
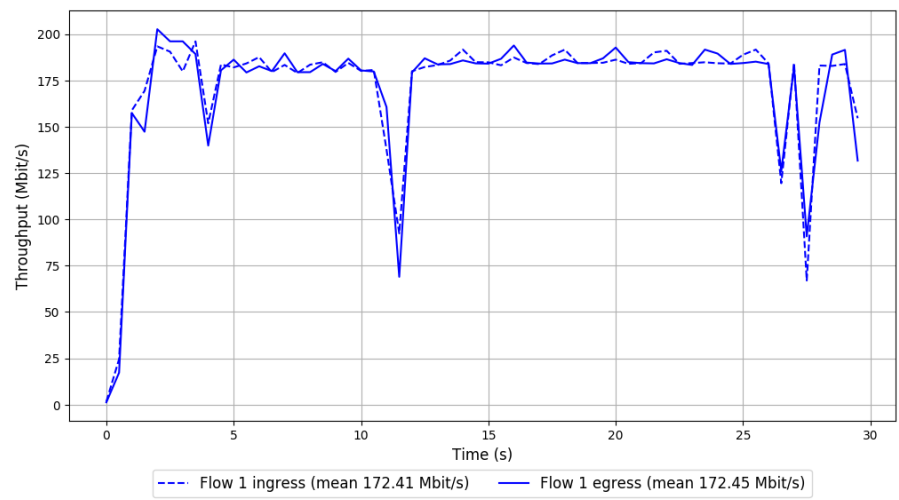
-- Flow 1:

Average throughput: 172.45 Mbit/s

95th percentile per-packet one-way delay: 67.015 ms

Loss rate: 0.39%

Run 1: Report of TCP BBR — Data Link

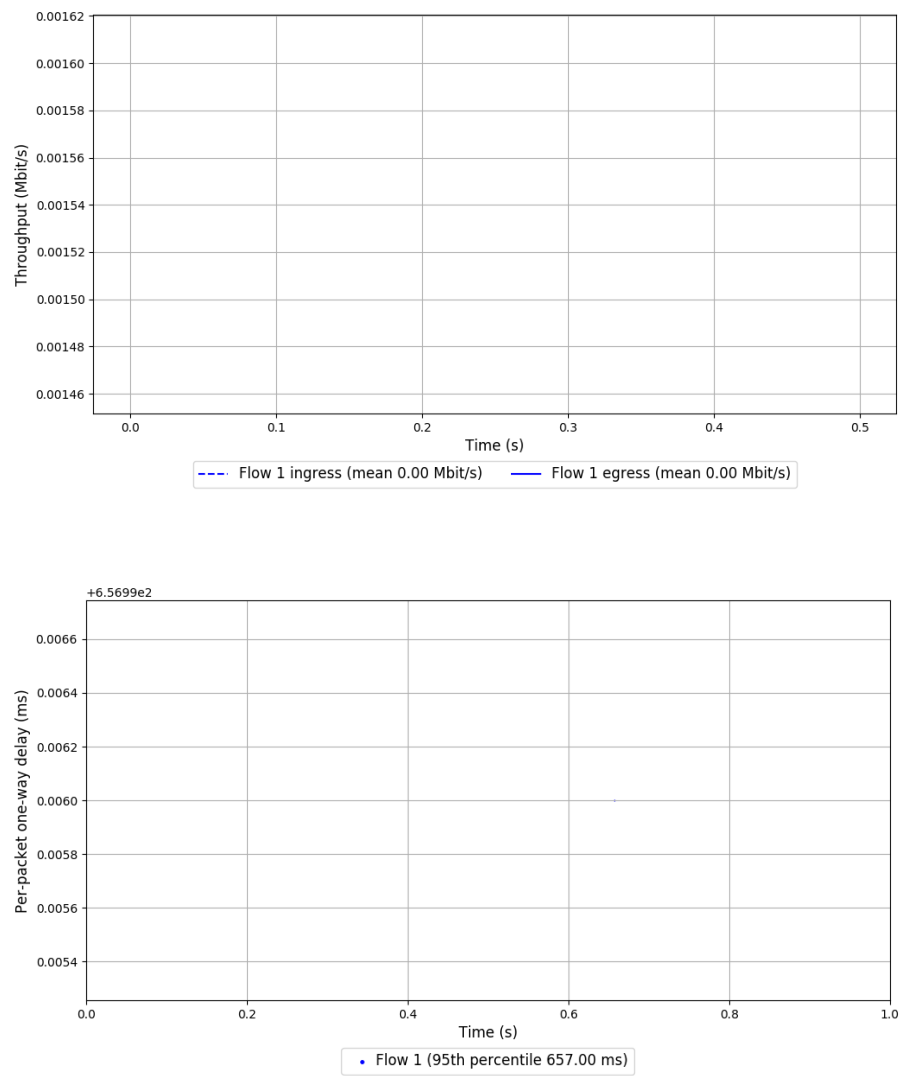


Run 2: Statistics of TCP BBR

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

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

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-31 01:19:20

End at: 2018-01-31 01:19:50

Below is generated by plot.py at 2018-01-31 05:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.97 Mbit/s

95th percentile per-packet one-way delay: 64.187 ms

Loss rate: 0.45%

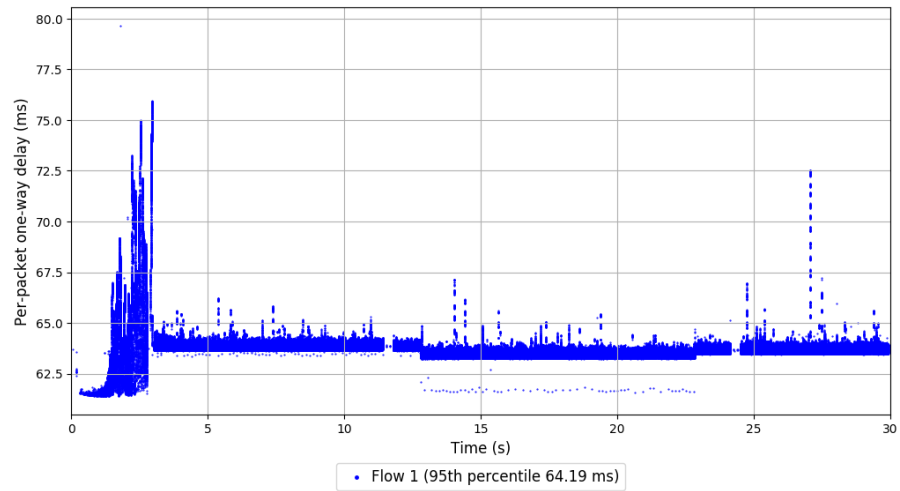
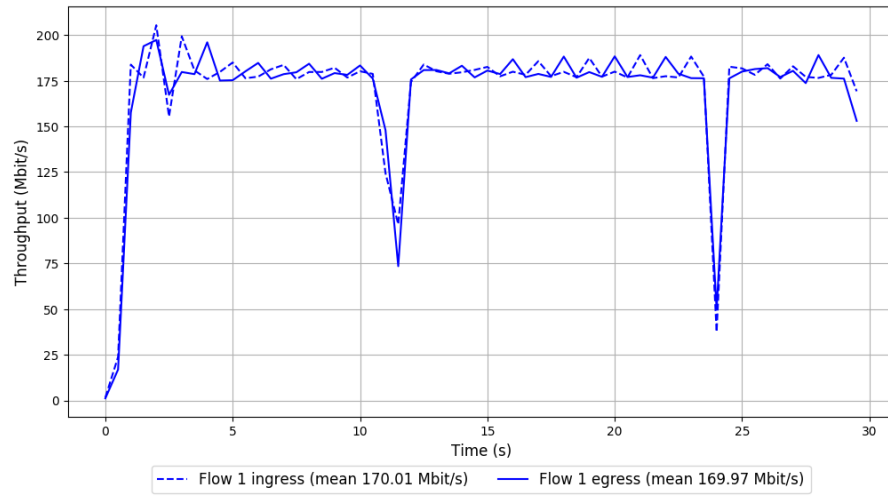
-- Flow 1:

Average throughput: 169.97 Mbit/s

95th percentile per-packet one-way delay: 64.187 ms

Loss rate: 0.45%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-31 01:33:00

End at: 2018-01-31 01:33:30

Below is generated by plot.py at 2018-01-31 05:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.37 Mbit/s

95th percentile per-packet one-way delay: 64.975 ms

Loss rate: 0.75%

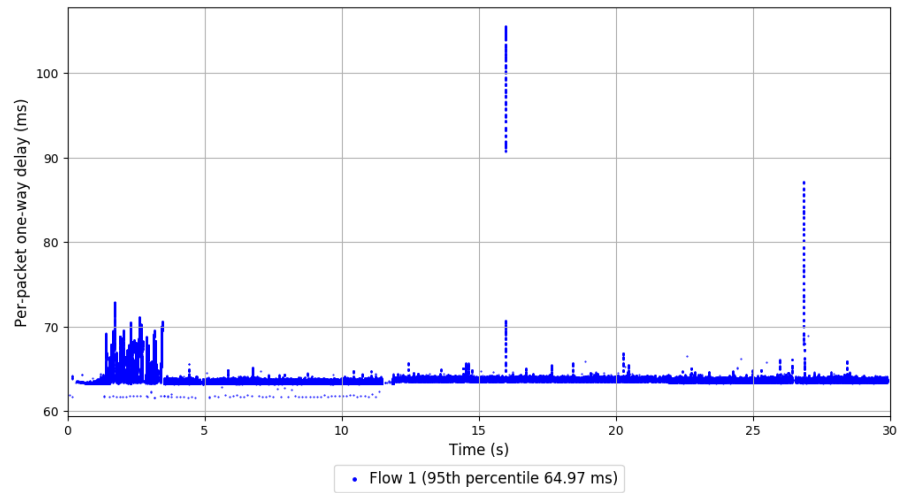
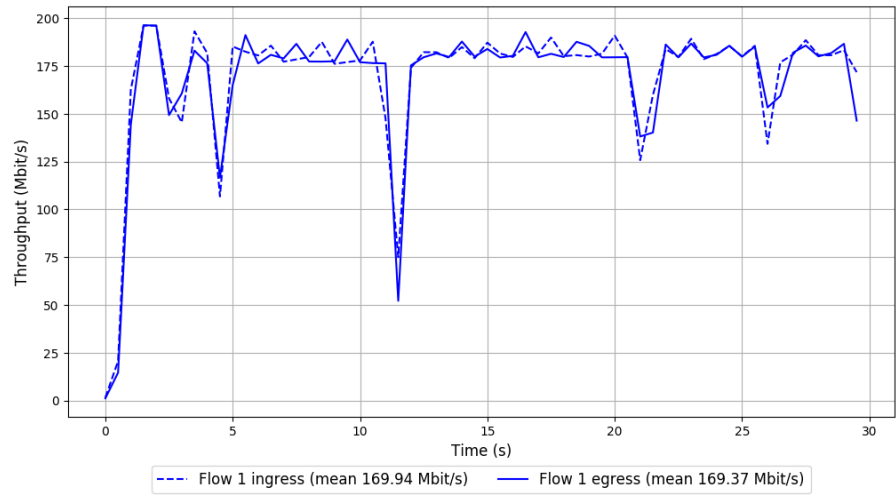
-- Flow 1:

Average throughput: 169.37 Mbit/s

95th percentile per-packet one-way delay: 64.975 ms

Loss rate: 0.75%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-31 01:46:34

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

Below is generated by plot.py at 2018-01-31 05:22:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.75 Mbit/s

95th percentile per-packet one-way delay: 63.942 ms

Loss rate: 0.13%

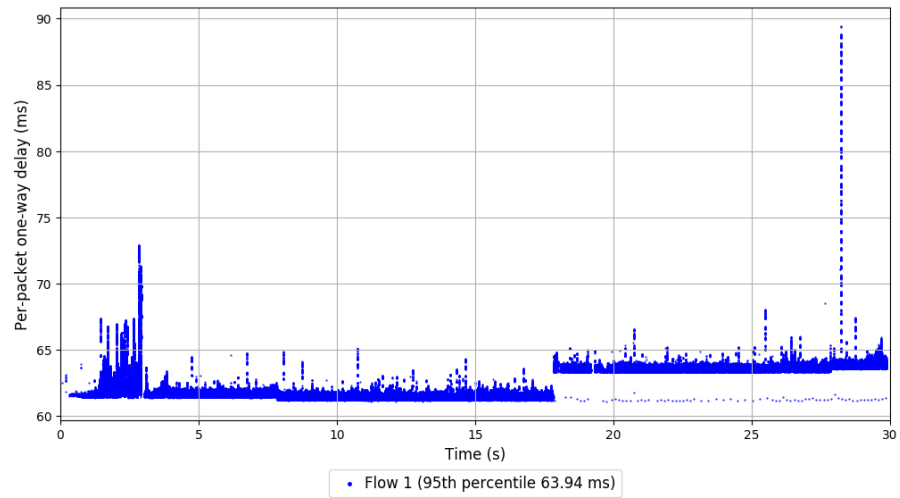
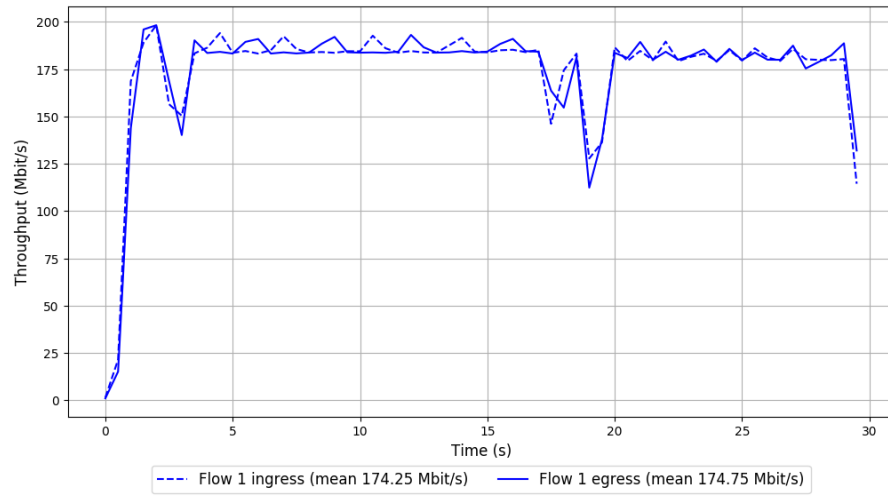
-- Flow 1:

Average throughput: 174.75 Mbit/s

95th percentile per-packet one-way delay: 63.942 ms

Loss rate: 0.13%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-31 02:00:02

End at: 2018-01-31 02:00:32

Below is generated by plot.py at 2018-01-31 05:22:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.42 Mbit/s

95th percentile per-packet one-way delay: 64.875 ms

Loss rate: 0.66%

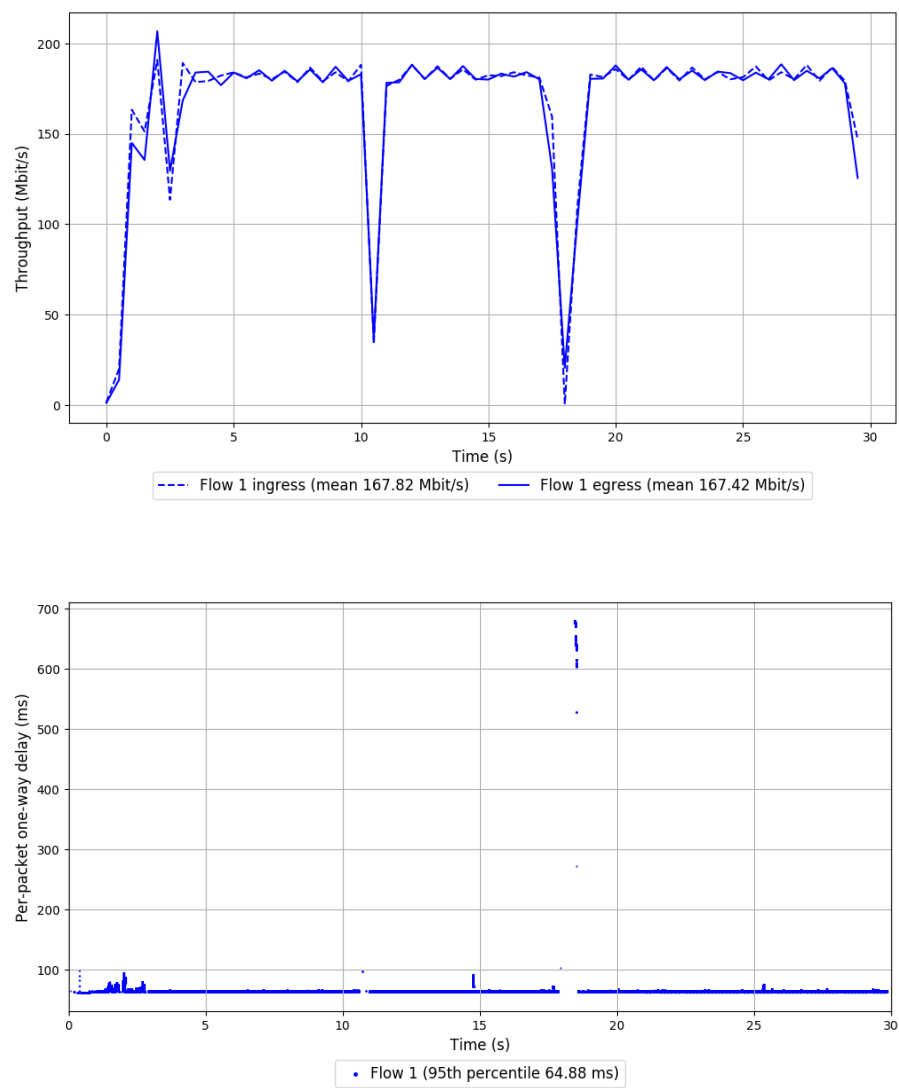
-- Flow 1:

Average throughput: 167.42 Mbit/s

95th percentile per-packet one-way delay: 64.875 ms

Loss rate: 0.66%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-31 02:13:13

End at: 2018-01-31 02:13:43

Below is generated by plot.py at 2018-01-31 05:22:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.59 Mbit/s

95th percentile per-packet one-way delay: 64.261 ms

Loss rate: 0.14%

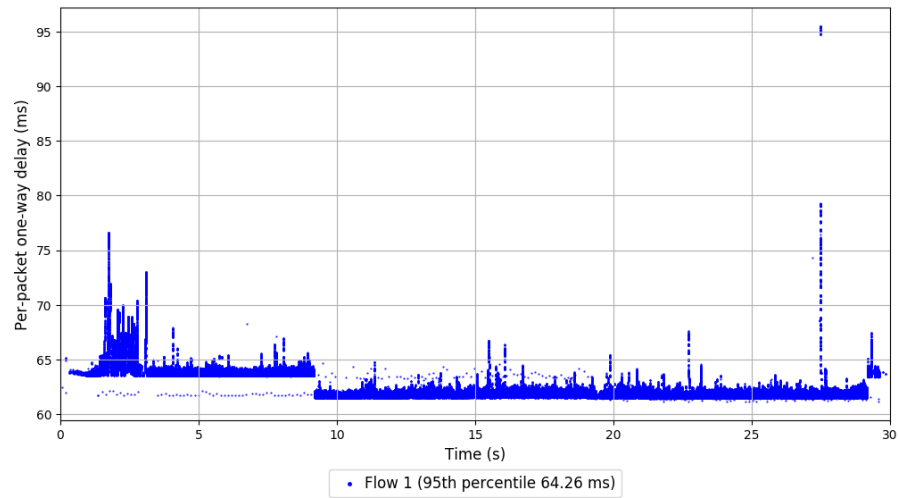
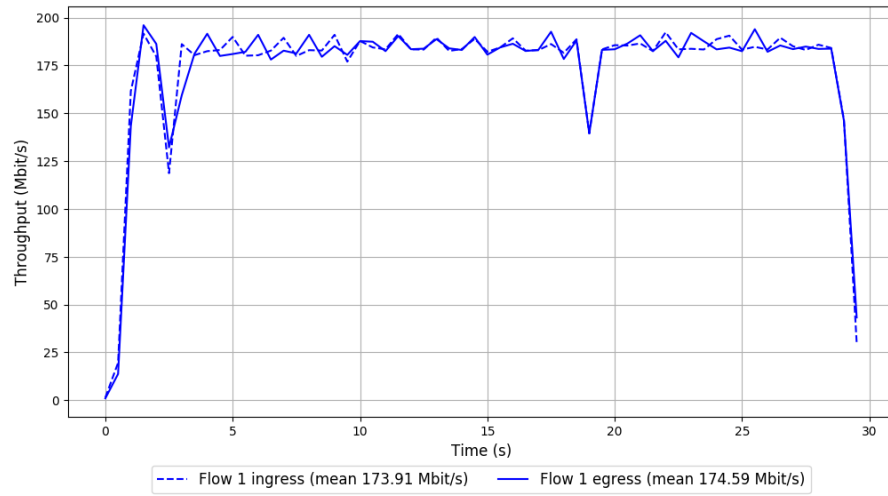
-- Flow 1:

Average throughput: 174.59 Mbit/s

95th percentile per-packet one-way delay: 64.261 ms

Loss rate: 0.14%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-31 02:26:25

End at: 2018-01-31 02:26:55

Below is generated by plot.py at 2018-01-31 05:22:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.73 Mbit/s

95th percentile per-packet one-way delay: 65.592 ms

Loss rate: 0.45%

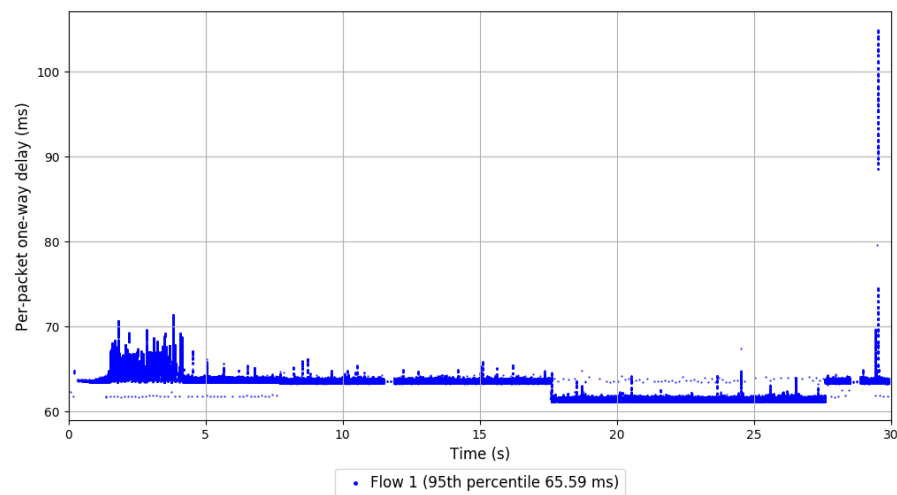
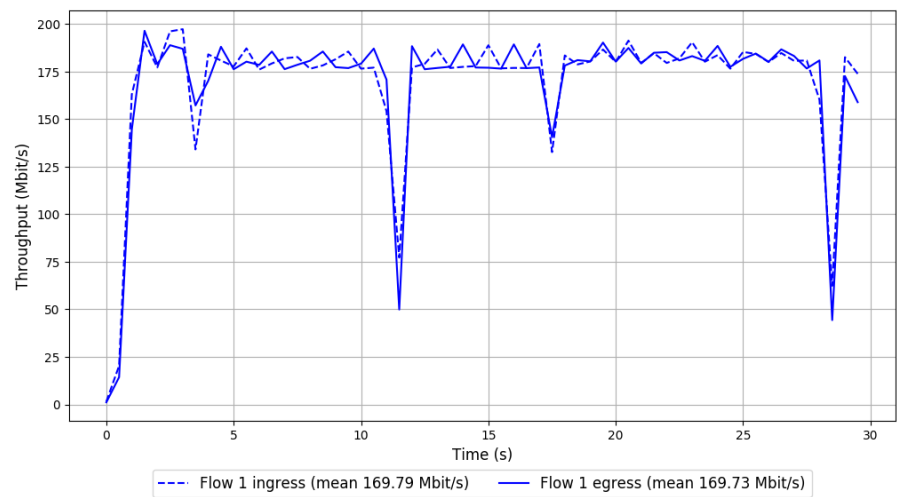
-- Flow 1:

Average throughput: 169.73 Mbit/s

95th percentile per-packet one-way delay: 65.592 ms

Loss rate: 0.45%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-31 02:39:50

End at: 2018-01-31 02:40:20

Below is generated by plot.py at 2018-01-31 05:22:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.53 Mbit/s

95th percentile per-packet one-way delay: 66.041 ms

Loss rate: 0.27%

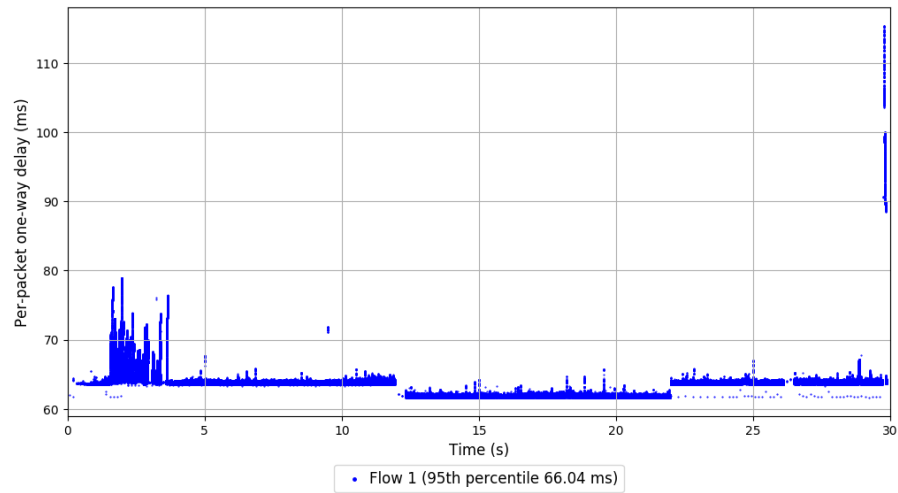
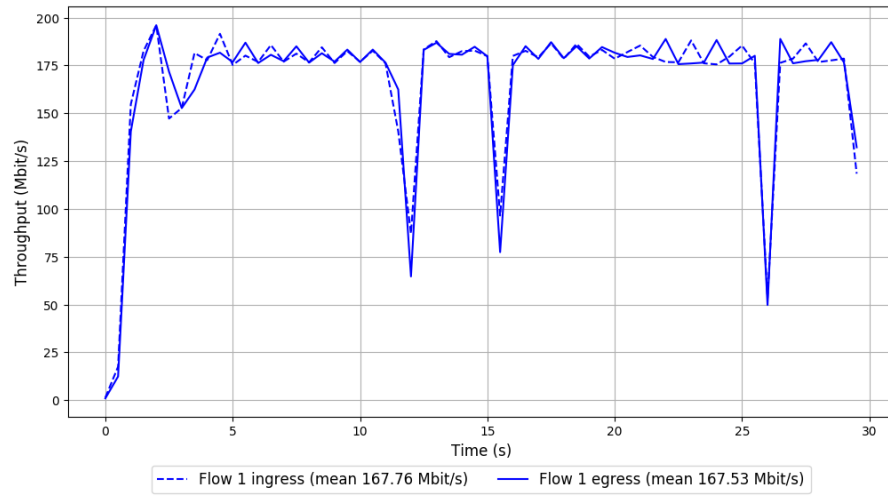
-- Flow 1:

Average throughput: 167.53 Mbit/s

95th percentile per-packet one-way delay: 66.041 ms

Loss rate: 0.27%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-31 02:53:39

End at: 2018-01-31 02:54:09

Below is generated by plot.py at 2018-01-31 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.44 Mbit/s

95th percentile per-packet one-way delay: 64.476 ms

Loss rate: 0.46%

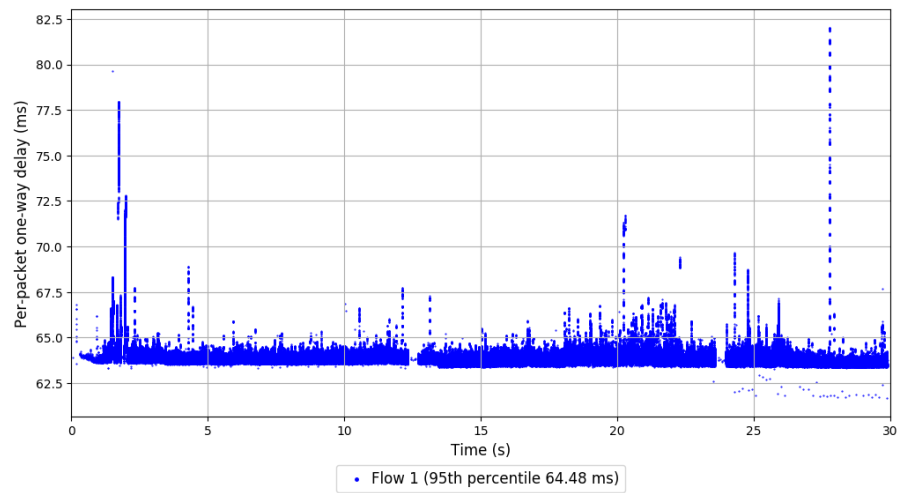
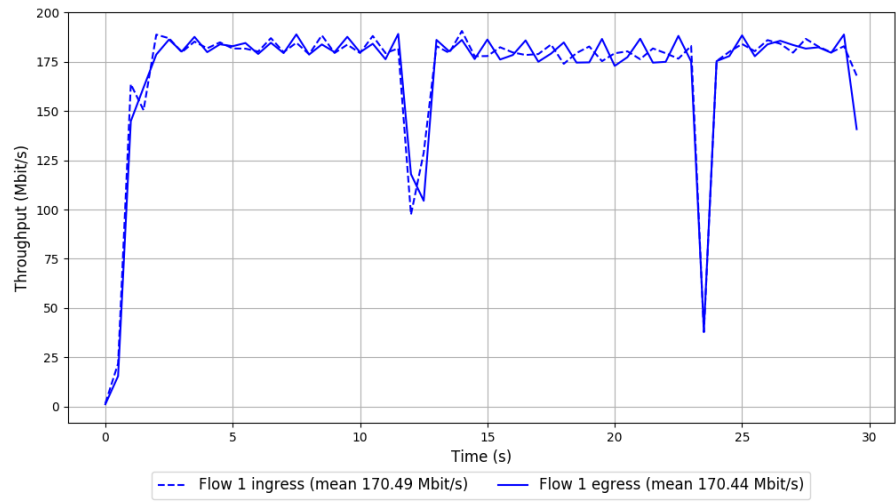
-- Flow 1:

Average throughput: 170.44 Mbit/s

95th percentile per-packet one-way delay: 64.476 ms

Loss rate: 0.46%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-31 00:49:52

End at: 2018-01-31 00:50:22

Below is generated by plot.py at 2018-01-31 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 67.902 ms

Loss rate: 0.44%

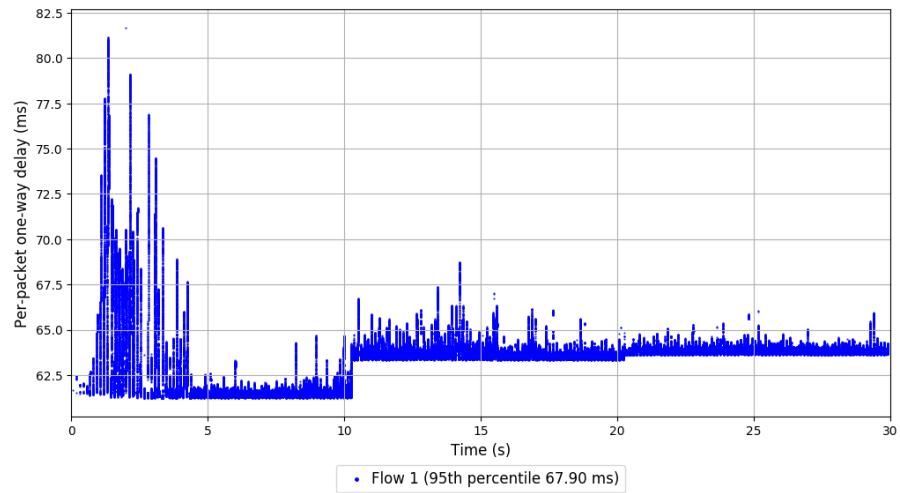
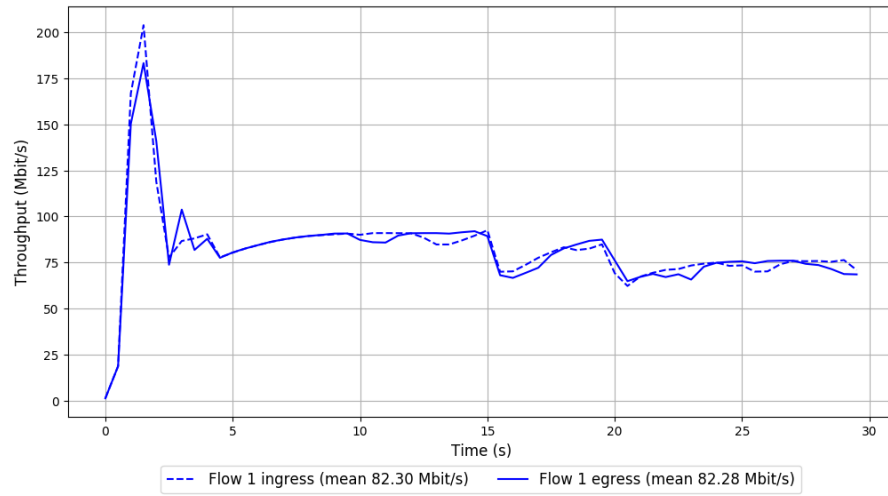
-- Flow 1:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 67.902 ms

Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

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

Below is generated by plot.py at 2018-01-31 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.92 Mbit/s

95th percentile per-packet one-way delay: 69.279 ms

Loss rate: 1.00%

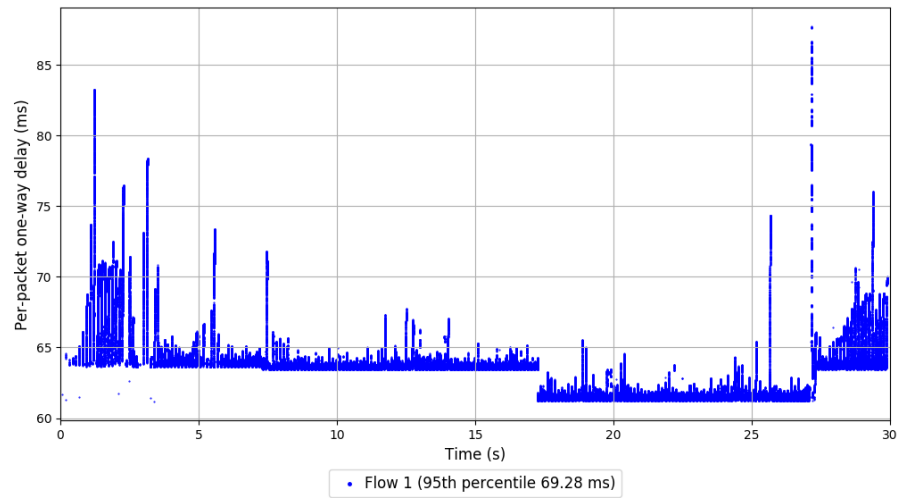
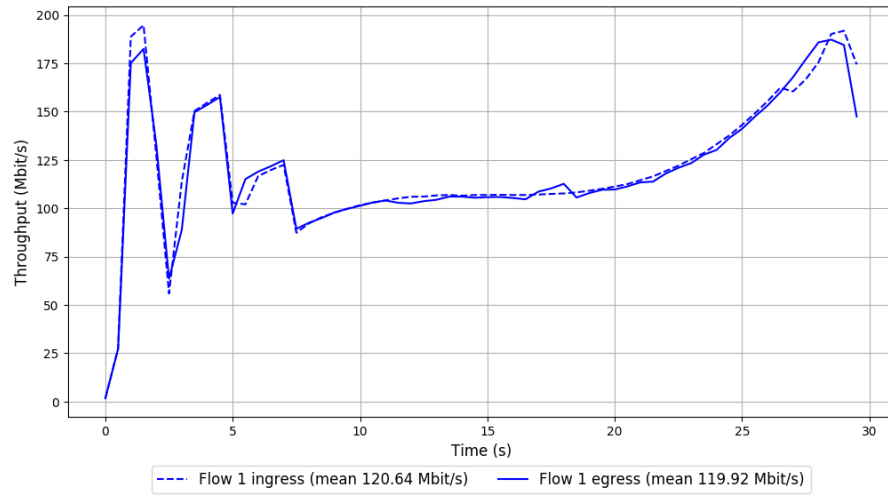
-- Flow 1:

Average throughput: 119.92 Mbit/s

95th percentile per-packet one-way delay: 69.279 ms

Loss rate: 1.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-31 01:17:22

End at: 2018-01-31 01:17:52

Below is generated by plot.py at 2018-01-31 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 69.438 ms

Loss rate: 0.50%

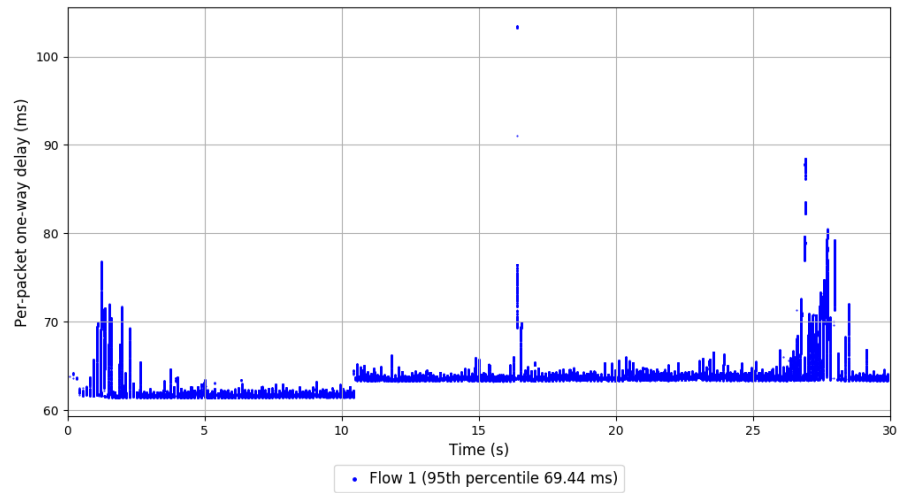
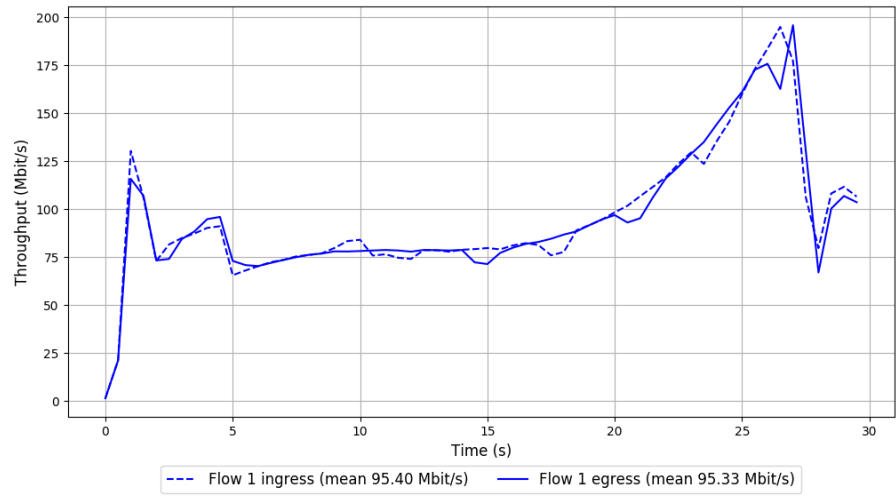
-- Flow 1:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 69.438 ms

Loss rate: 0.50%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

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

Run 4: Report of TCP Cubic — Data Link

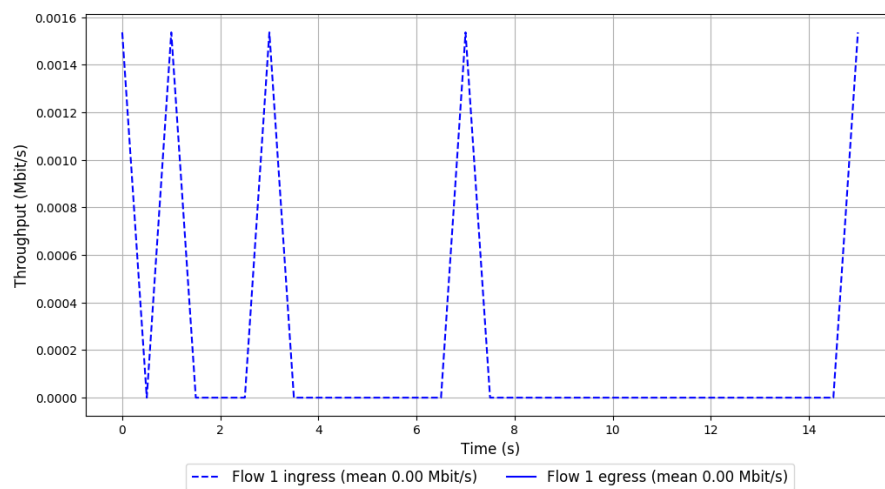


Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2018-01-31 01:44:37

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

Below is generated by plot.py at 2018-01-31 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 64.598 ms

Loss rate: 0.51%

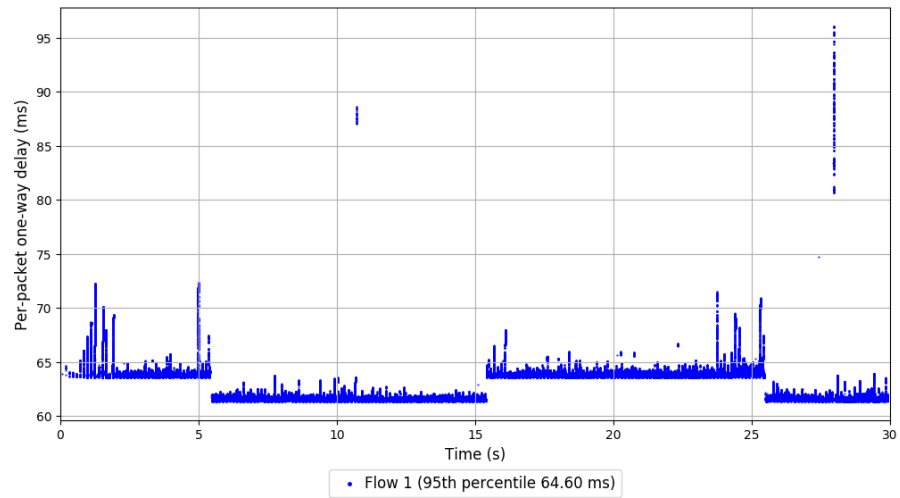
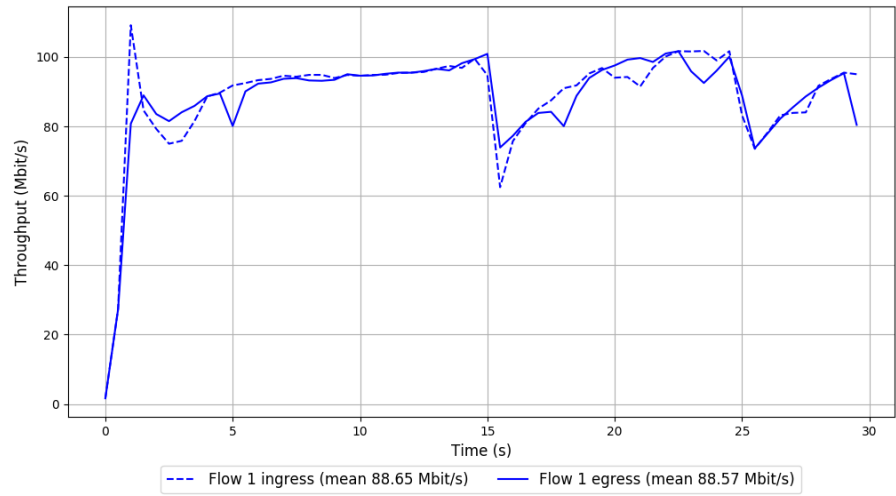
-- Flow 1:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 64.598 ms

Loss rate: 0.51%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

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

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

Below is generated by plot.py at 2018-01-31 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.85 Mbit/s

95th percentile per-packet one-way delay: 66.995 ms

Loss rate: 0.68%

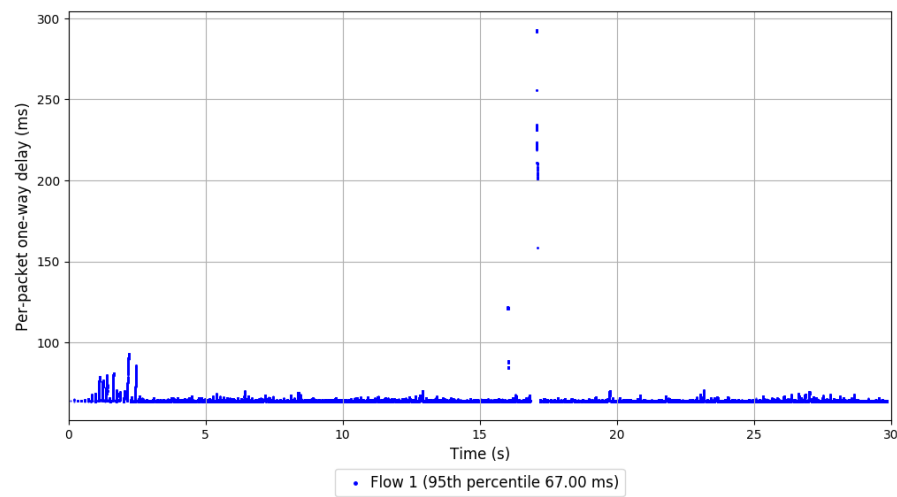
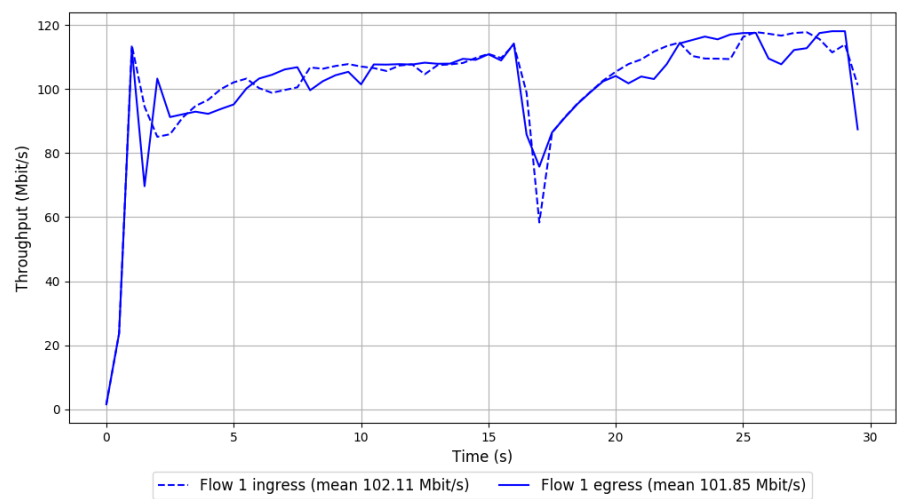
-- Flow 1:

Average throughput: 101.85 Mbit/s

95th percentile per-packet one-way delay: 66.995 ms

Loss rate: 0.68%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-31 02:11:14

End at: 2018-01-31 02:11:44

Below is generated by plot.py at 2018-01-31 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.99 Mbit/s

95th percentile per-packet one-way delay: 65.468 ms

Loss rate: 0.46%

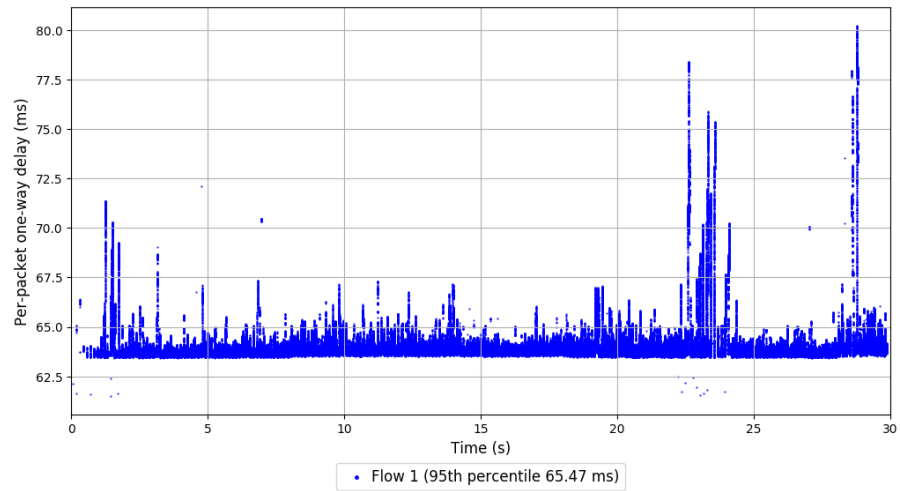
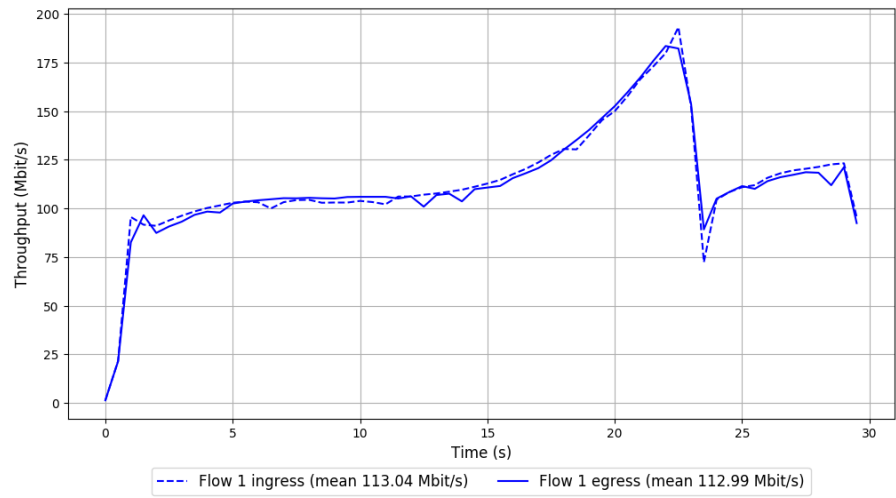
-- Flow 1:

Average throughput: 112.99 Mbit/s

95th percentile per-packet one-way delay: 65.468 ms

Loss rate: 0.46%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-31 02:24:26

End at: 2018-01-31 02:24:56

Below is generated by plot.py at 2018-01-31 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.24 Mbit/s

95th percentile per-packet one-way delay: 66.693 ms

Loss rate: 0.33%

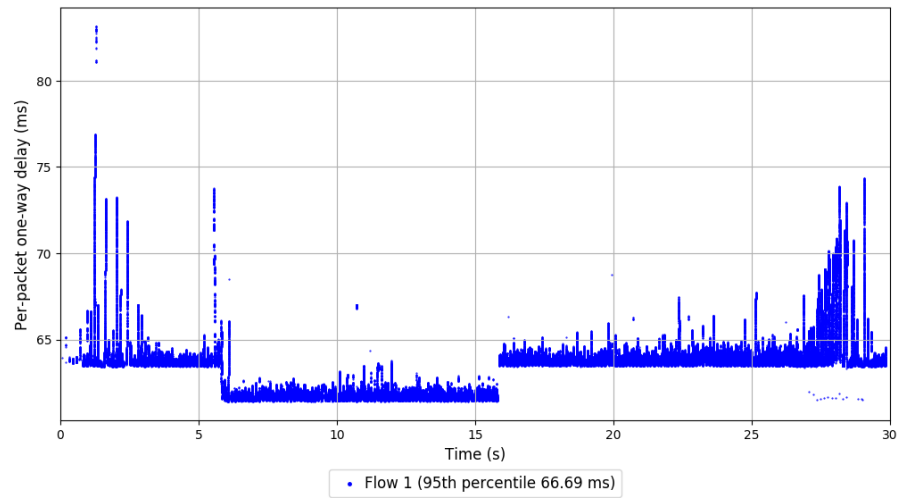
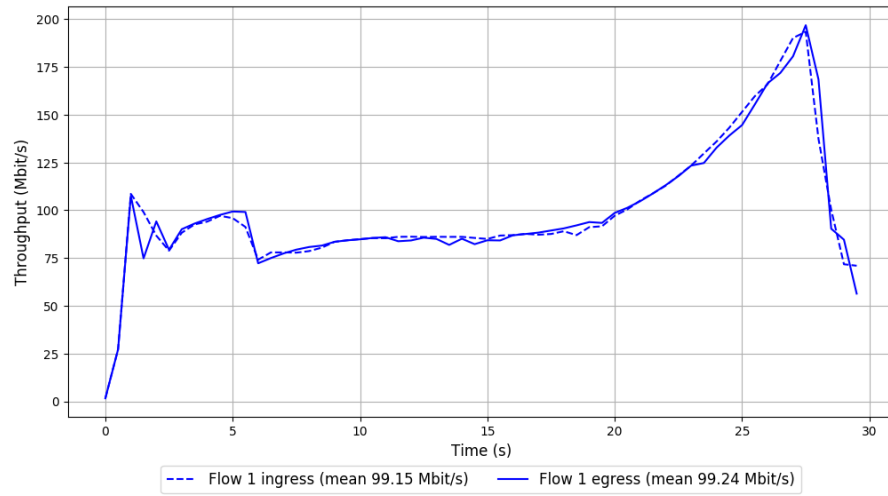
-- Flow 1:

Average throughput: 99.24 Mbit/s

95th percentile per-packet one-way delay: 66.693 ms

Loss rate: 0.33%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-31 02:37:52

End at: 2018-01-31 02:38:22

Below is generated by plot.py at 2018-01-31 05:25:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 65.027 ms

Loss rate: 0.43%

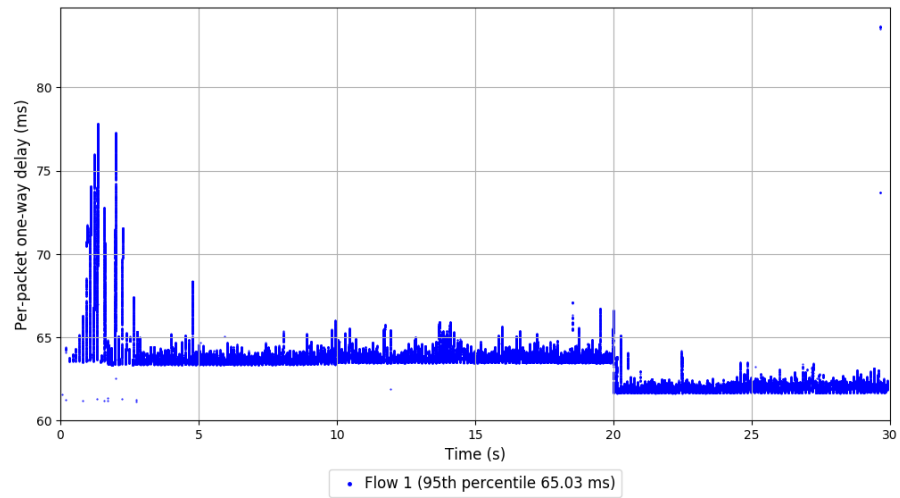
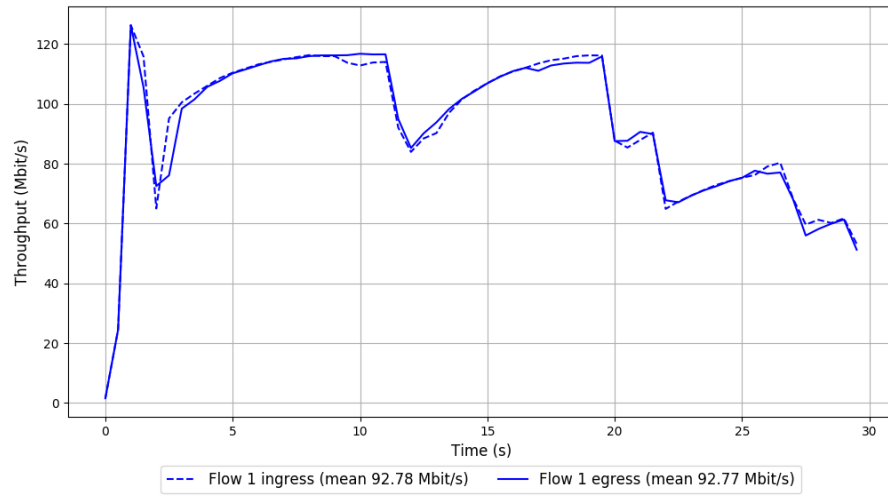
-- Flow 1:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 65.027 ms

Loss rate: 0.43%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-31 02:51:41

End at: 2018-01-31 02:52:11

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.87 Mbit/s

95th percentile per-packet one-way delay: 65.164 ms

Loss rate: 0.36%

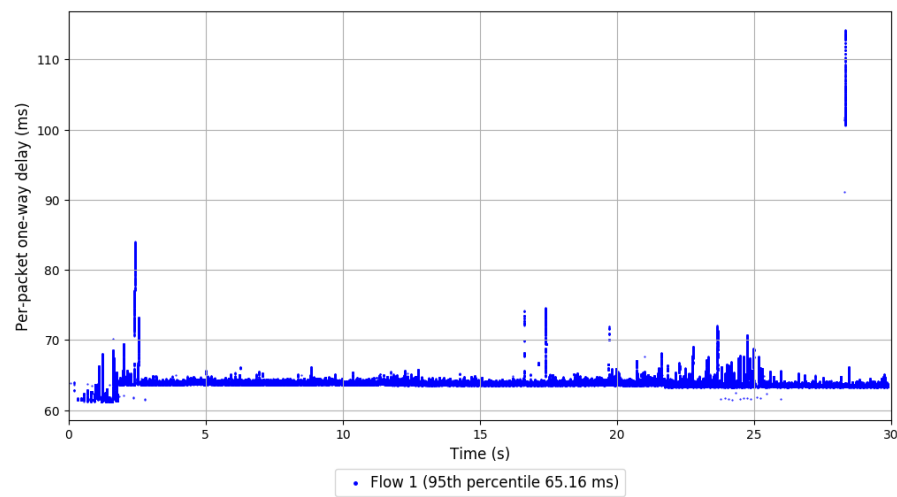
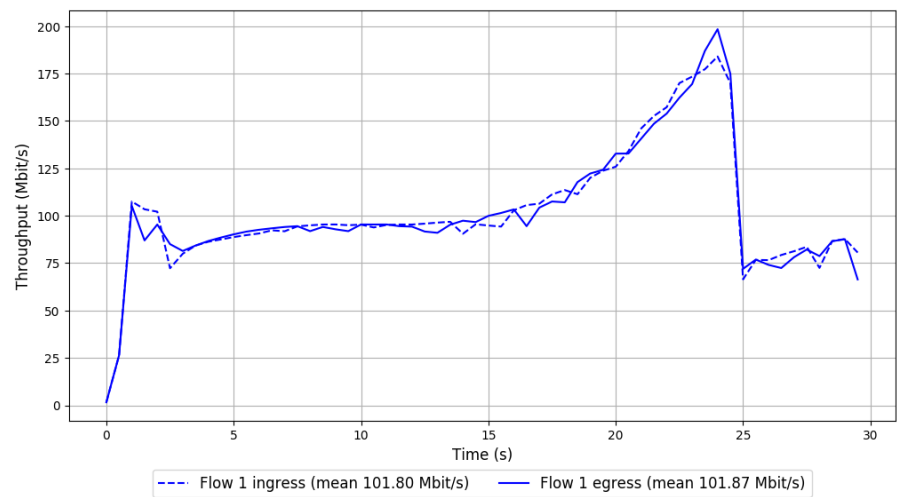
-- Flow 1:

Average throughput: 101.87 Mbit/s

95th percentile per-packet one-way delay: 65.164 ms

Loss rate: 0.36%

Run 10: Report of TCP Cubic — Data Link

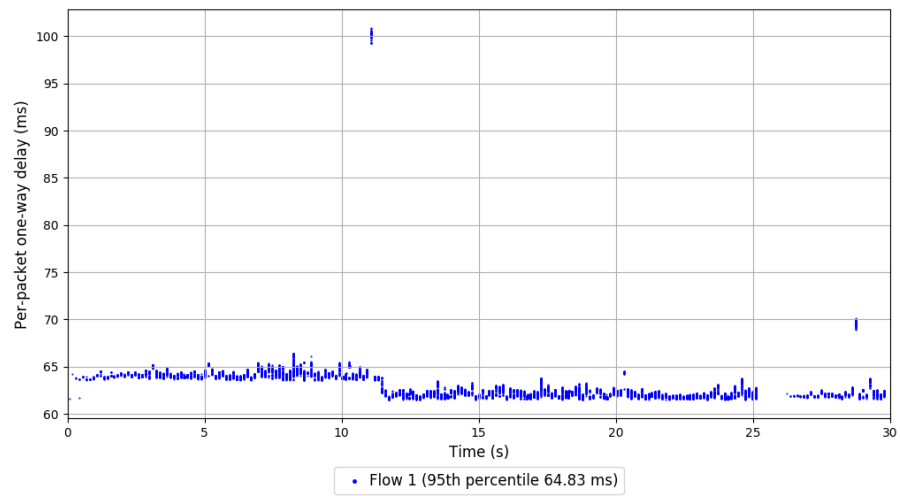
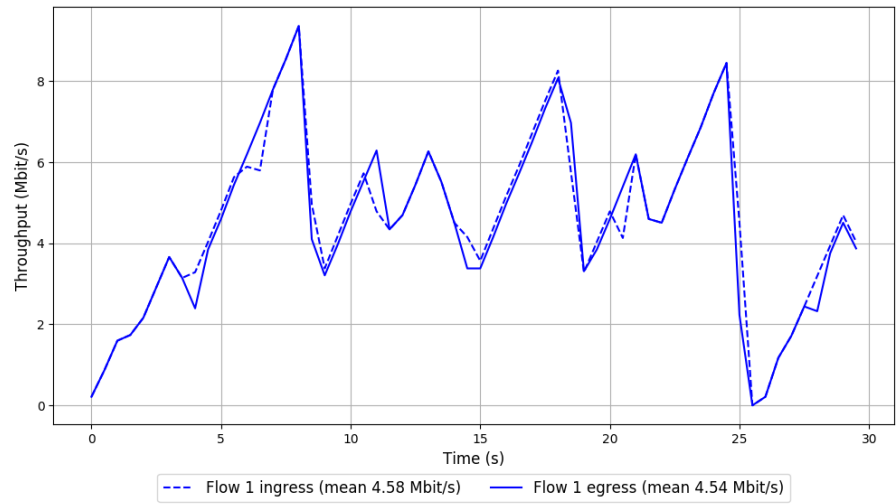


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-31 00:43:01
End at: 2018-01-31 00:43:31

# Below is generated by plot.py at 2018-01-31 05:25:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 64.827 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 64.827 ms
Loss rate: 1.39%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-01-31 00:56:38

End at: 2018-01-31 00:57:08

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 64.280 ms

Loss rate: 0.64%

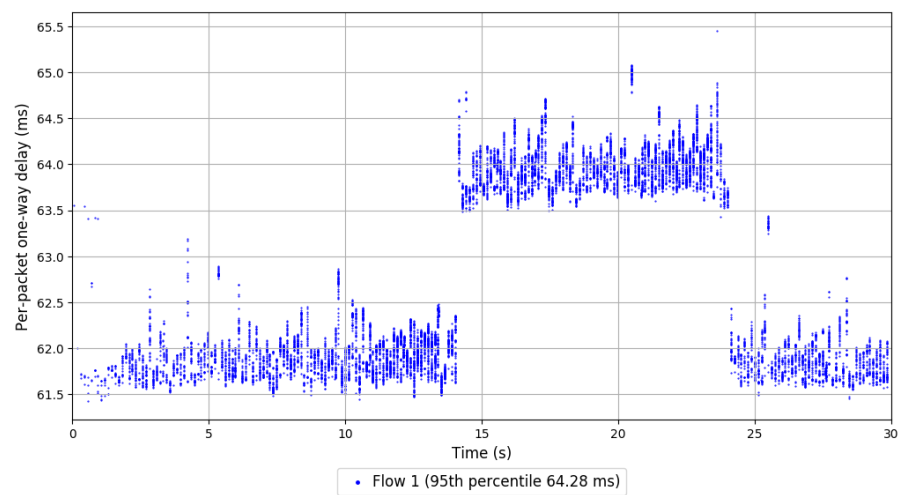
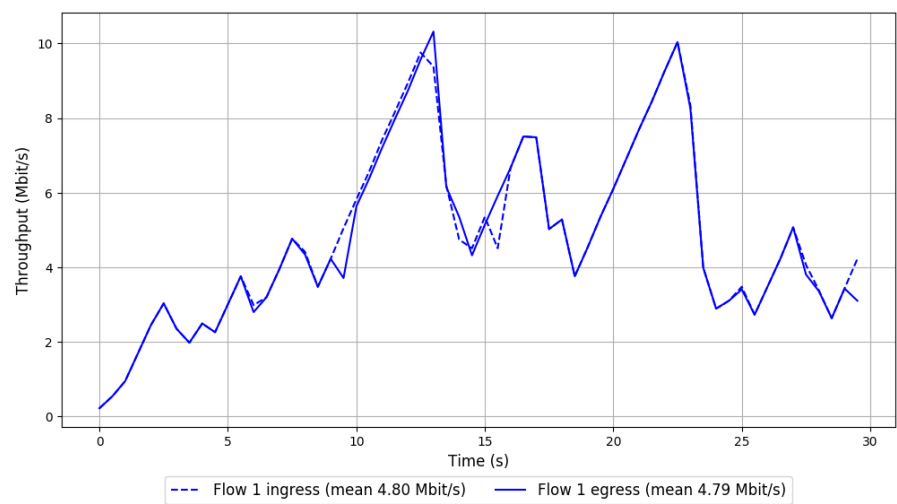
-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 64.280 ms

Loss rate: 0.64%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-31 01:10:34

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

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 64.220 ms

Loss rate: 0.46%

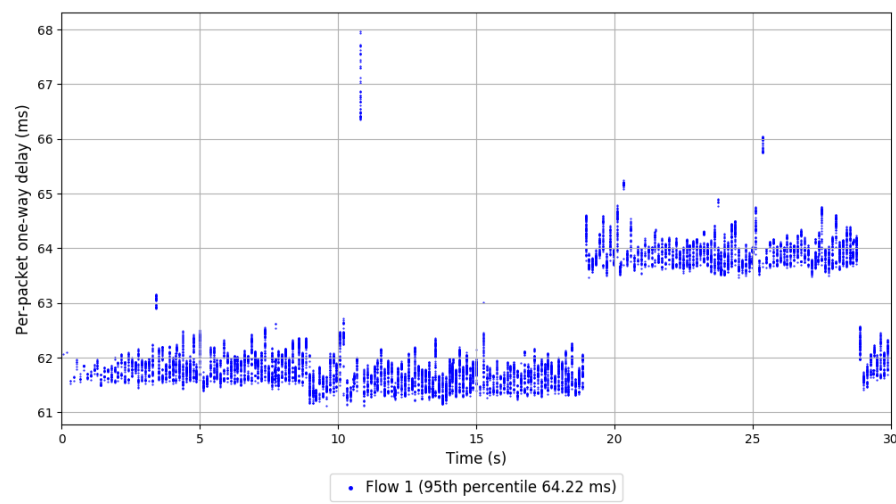
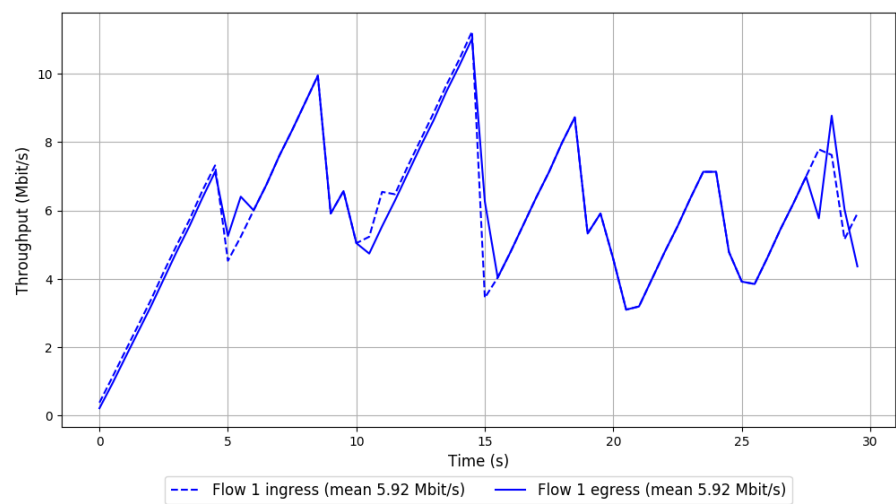
-- Flow 1:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 64.220 ms

Loss rate: 0.46%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

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

End at: 2018-01-31 01:24:52

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 64.236 ms

Loss rate: 0.60%

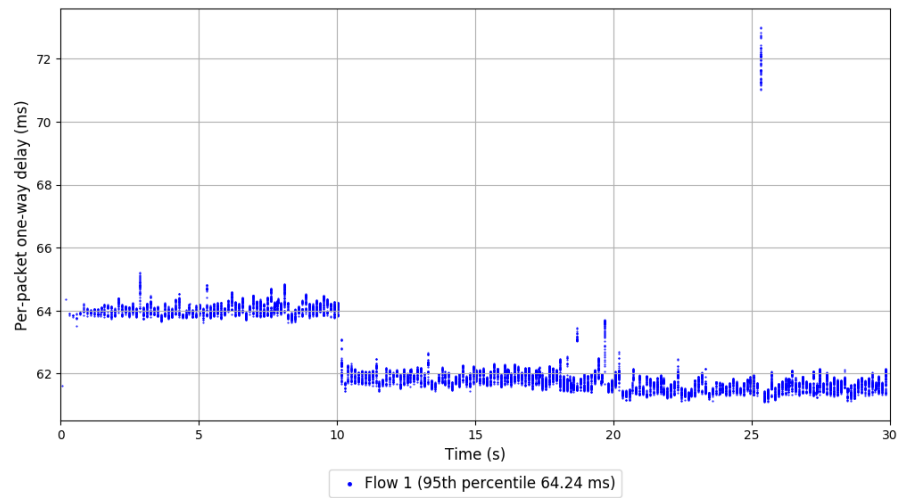
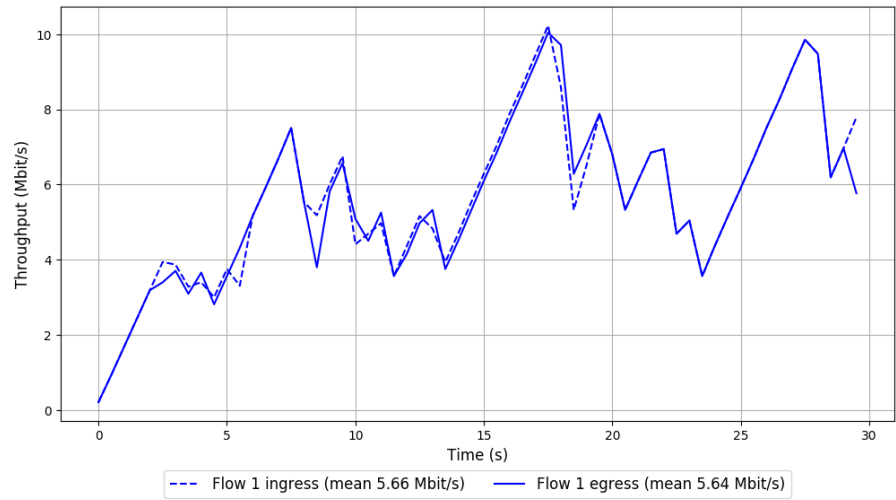
-- Flow 1:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 64.236 ms

Loss rate: 0.60%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

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

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

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 64.504 ms

Loss rate: 1.38%

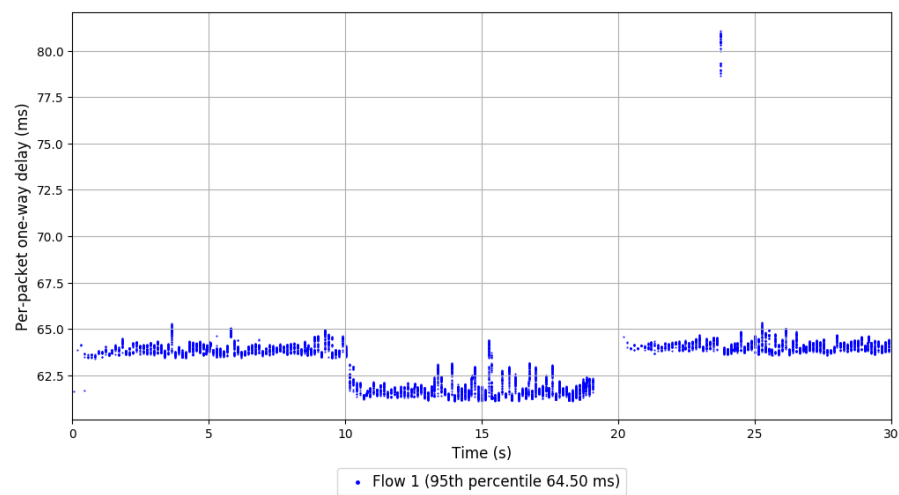
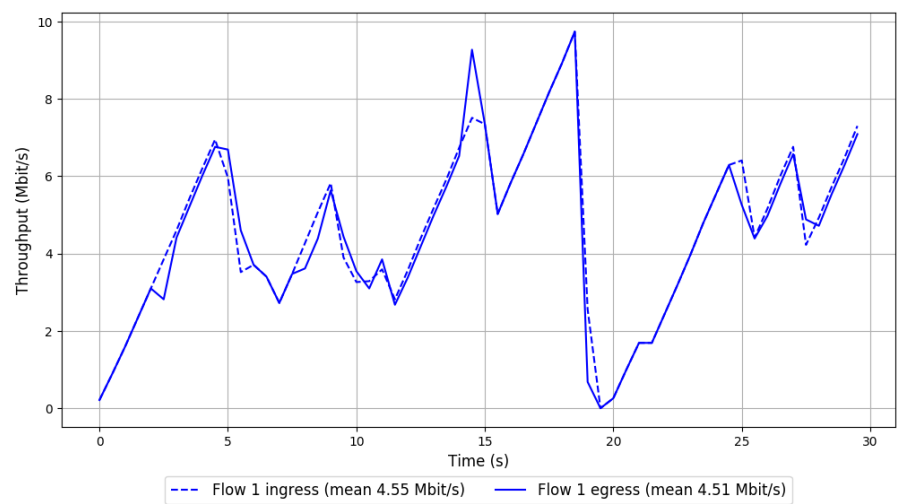
-- Flow 1:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 64.504 ms

Loss rate: 1.38%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-31 01:51:18

End at: 2018-01-31 01:51:48

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 64.248 ms

Loss rate: 1.33%

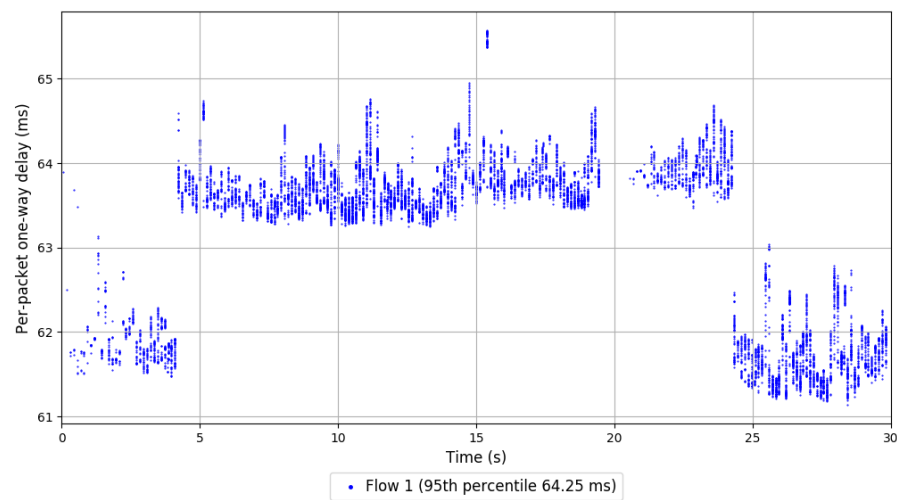
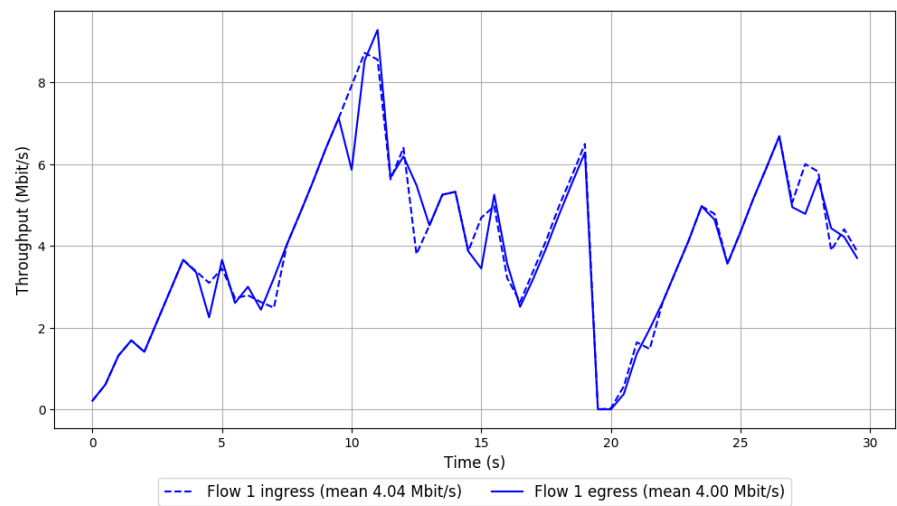
-- Flow 1:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 64.248 ms

Loss rate: 1.33%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-31 02:04:36

End at: 2018-01-31 02:05:06

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 64.682 ms

Loss rate: 0.59%

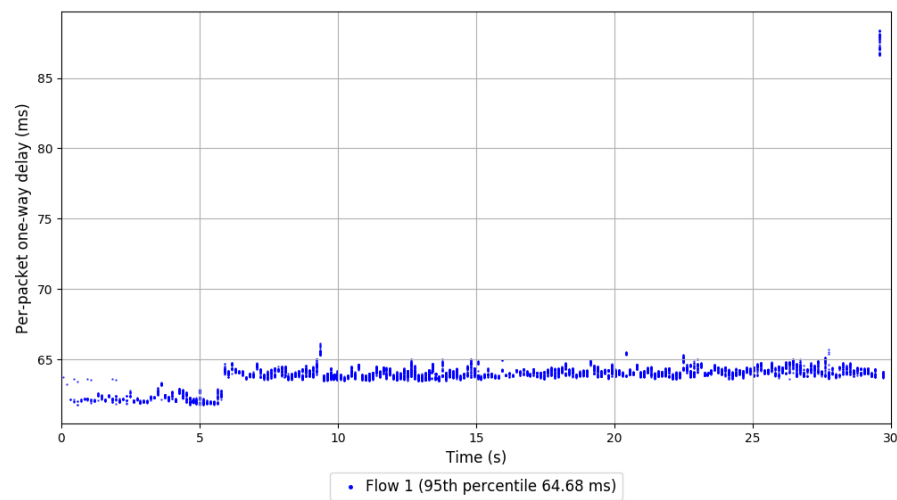
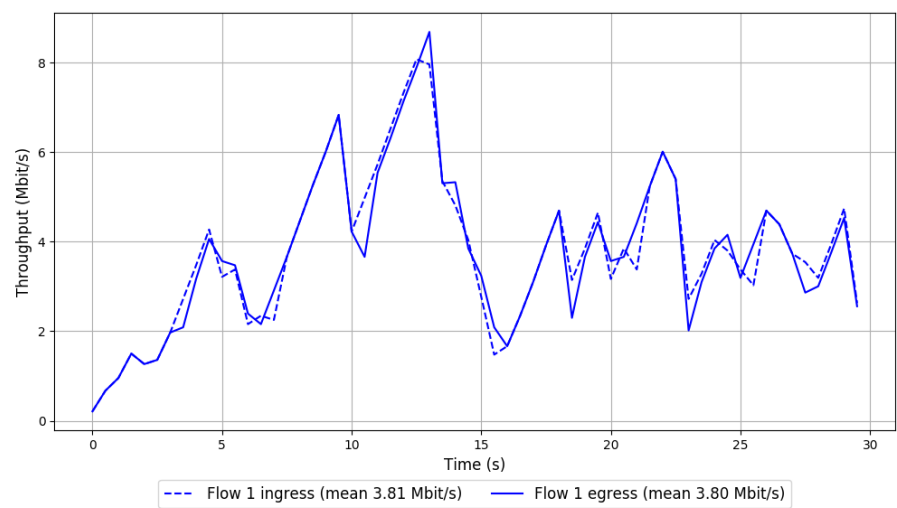
-- Flow 1:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 64.682 ms

Loss rate: 0.59%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-31 02:17:50

End at: 2018-01-31 02:18:20

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 64.790 ms

Loss rate: 0.83%

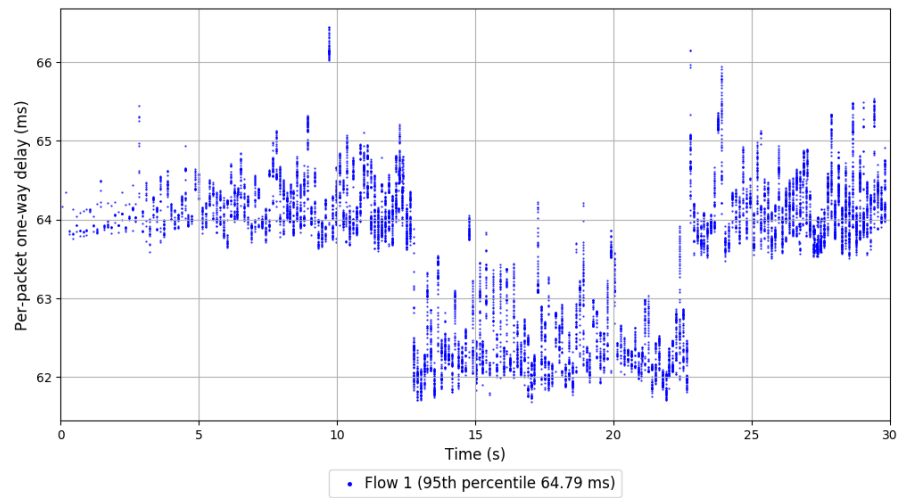
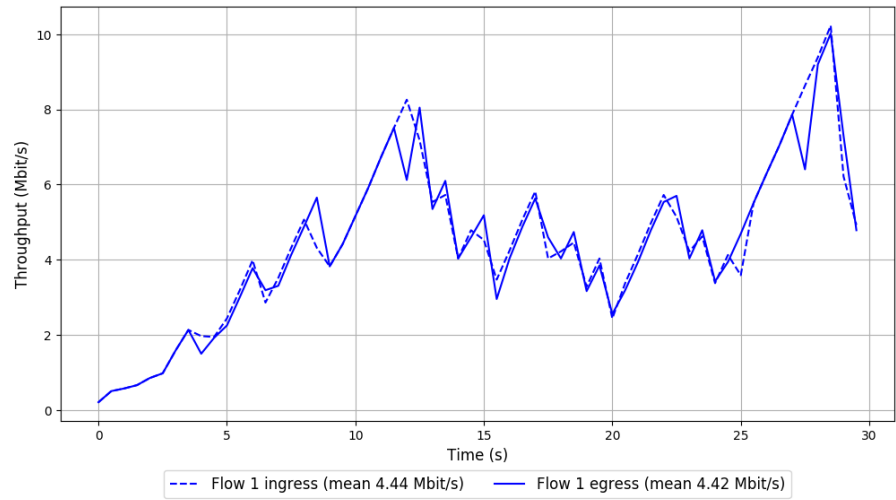
-- Flow 1:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 64.790 ms

Loss rate: 0.83%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-31 02:31:13

End at: 2018-01-31 02:31:43

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 64.208 ms

Loss rate: 0.61%

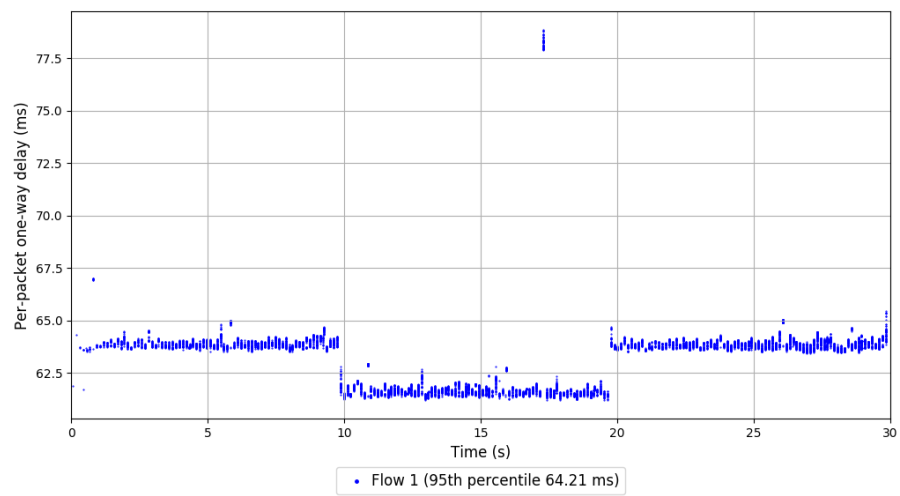
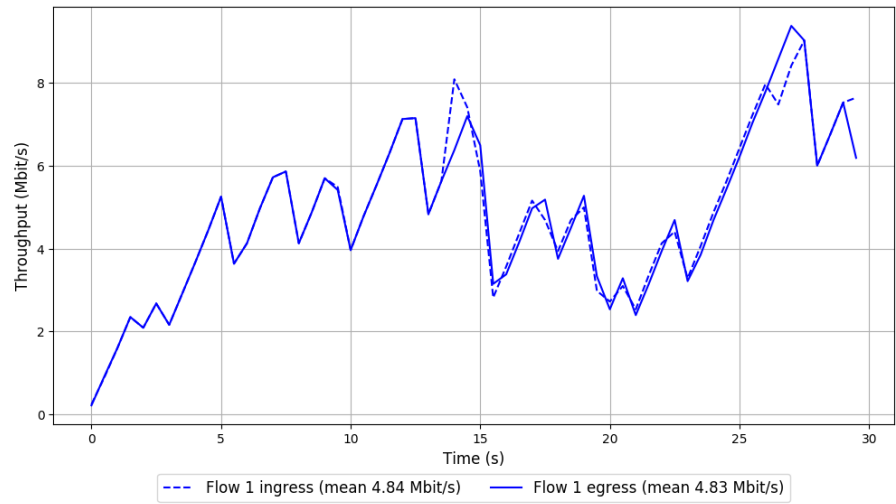
-- Flow 1:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 64.208 ms

Loss rate: 0.61%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-31 02:44:58

End at: 2018-01-31 02:45:28

Below is generated by plot.py at 2018-01-31 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 64.421 ms

Loss rate: 0.42%

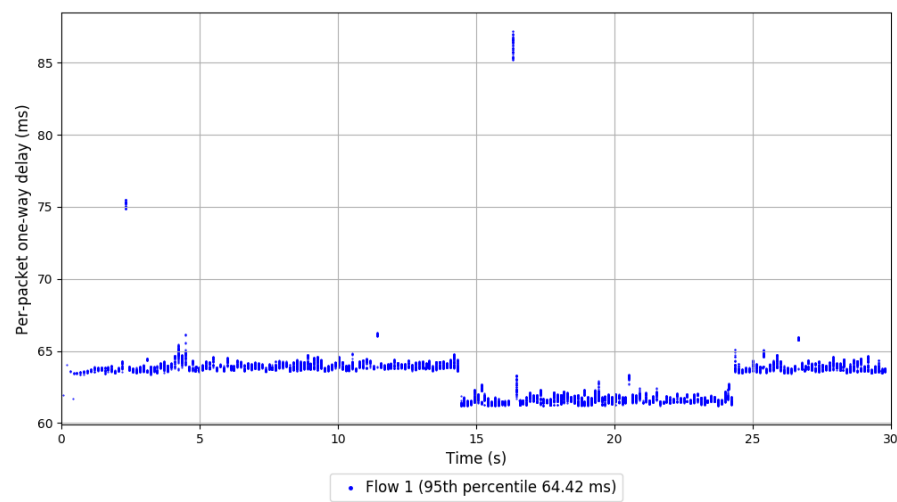
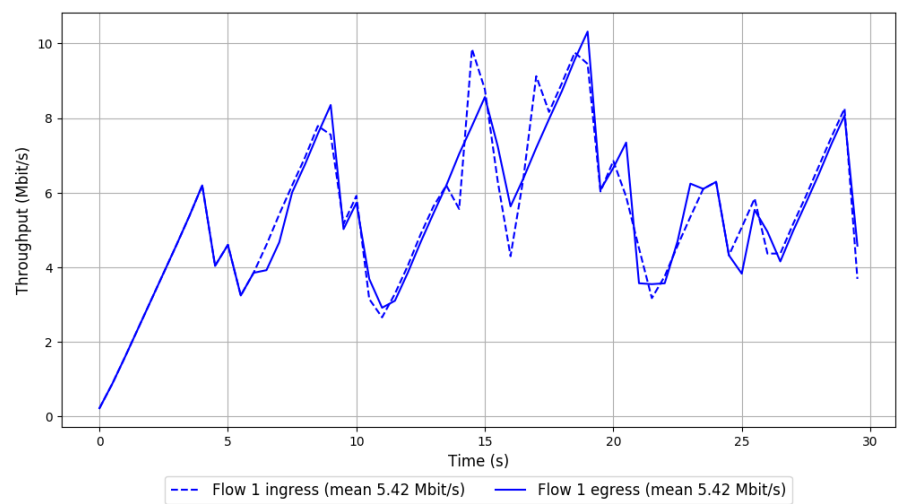
-- Flow 1:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 64.421 ms

Loss rate: 0.42%

Run 10: Report of LEDBAT — Data Link

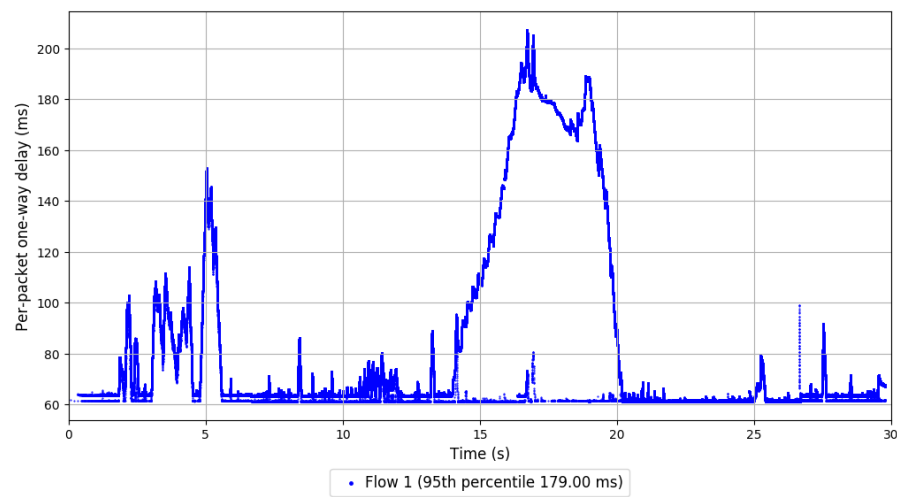
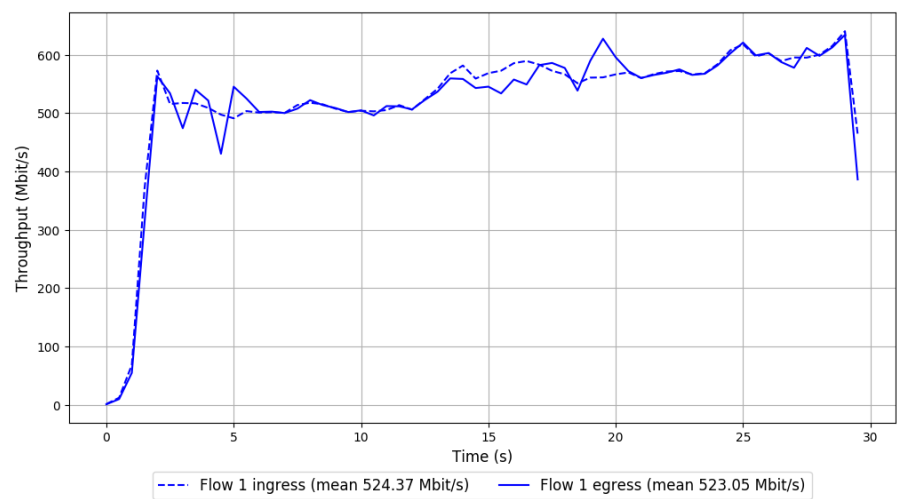


```
Run 1: Statistics of PCC

Start at: 2018-01-31 00:47:26
End at: 2018-01-31 00:47:56

# Below is generated by plot.py at 2018-01-31 05:34:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 523.05 Mbit/s
95th percentile per-packet one-way delay: 179.002 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 523.05 Mbit/s
95th percentile per-packet one-way delay: 179.002 ms
Loss rate: 0.67%
```

Run 1: Report of PCC — Data Link

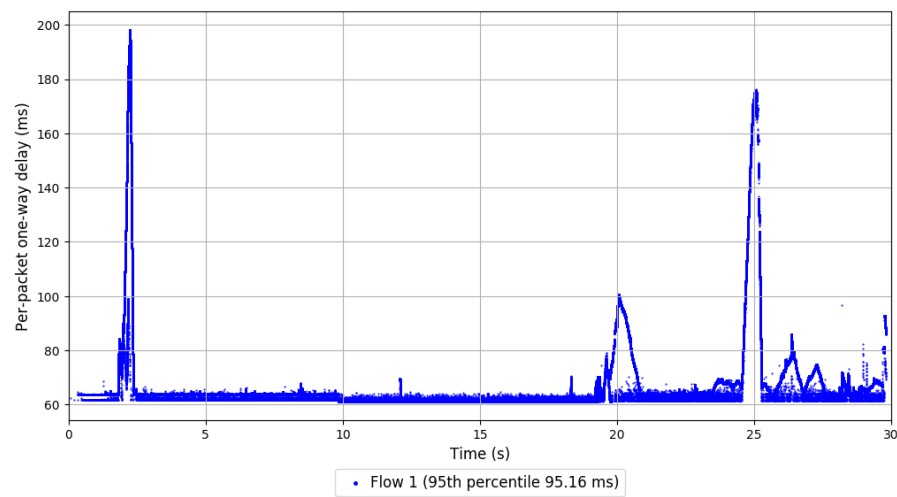
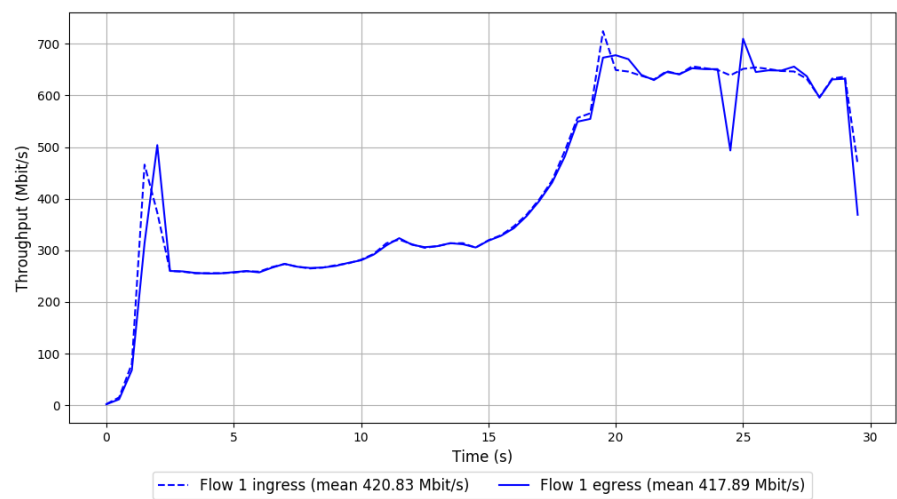


```
Run 2: Statistics of PCC

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

# Below is generated by plot.py at 2018-01-31 05:34:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 417.89 Mbit/s
95th percentile per-packet one-way delay: 95.160 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 417.89 Mbit/s
95th percentile per-packet one-way delay: 95.160 ms
Loss rate: 1.11%
```

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-31 01:14:54

End at: 2018-01-31 01:15:24

Below is generated by plot.py at 2018-01-31 05:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.90 Mbit/s

95th percentile per-packet one-way delay: 151.340 ms

Loss rate: 1.48%

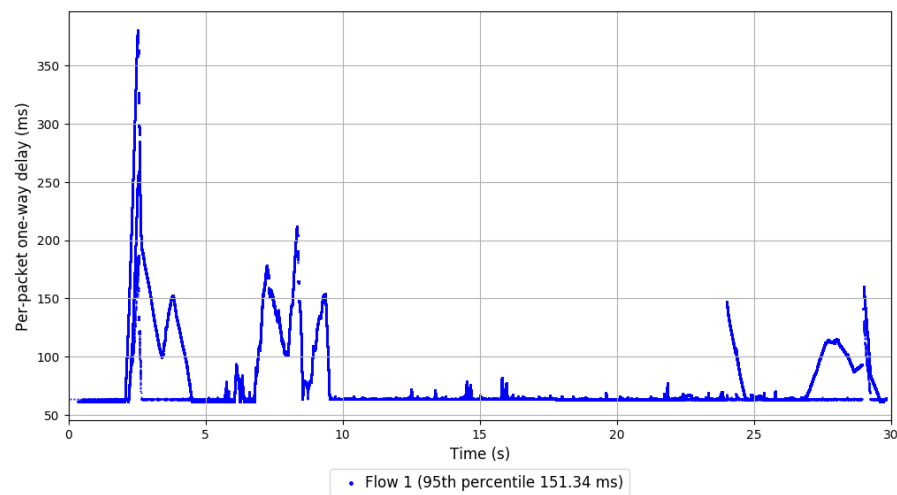
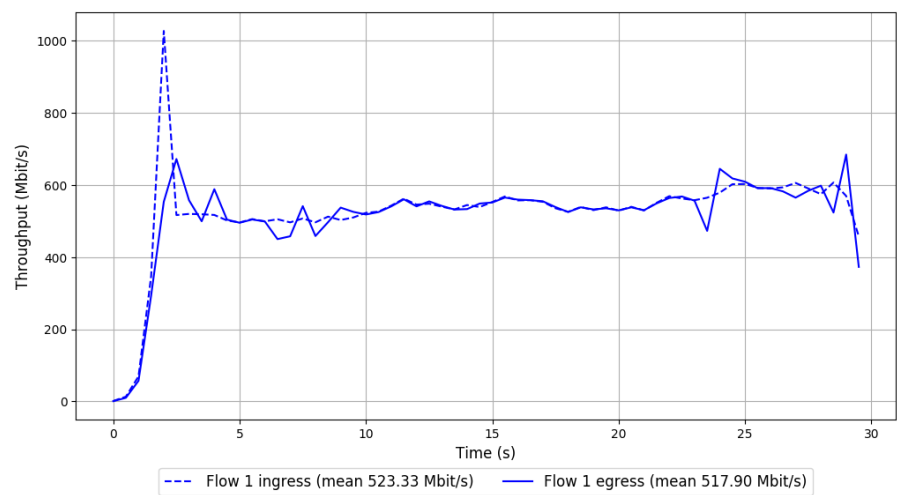
-- Flow 1:

Average throughput: 517.90 Mbit/s

95th percentile per-packet one-way delay: 151.340 ms

Loss rate: 1.48%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-31 01:28:42

End at: 2018-01-31 01:29:12

Below is generated by plot.py at 2018-01-31 05:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.22 Mbit/s

95th percentile per-packet one-way delay: 183.726 ms

Loss rate: 1.85%

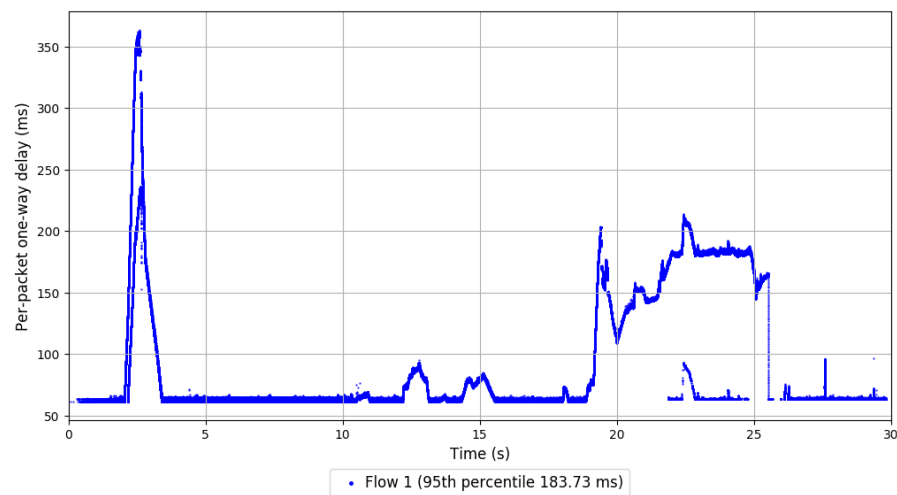
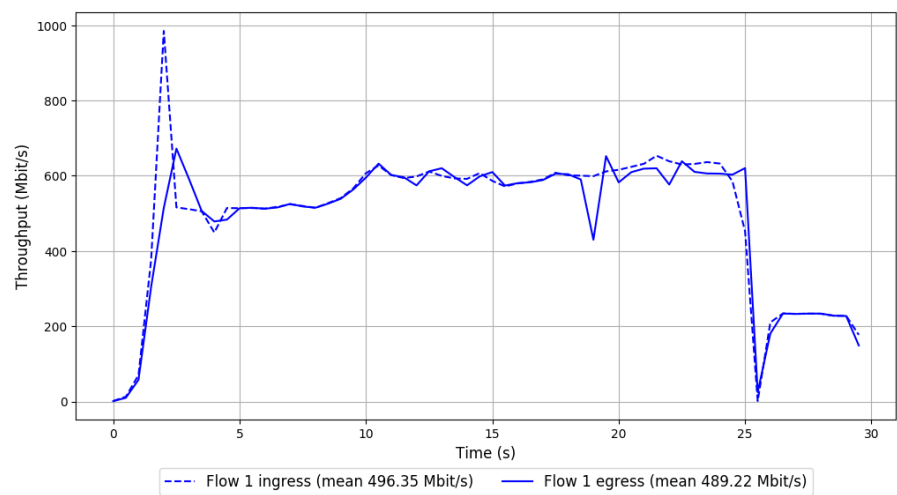
-- Flow 1:

Average throughput: 489.22 Mbit/s

95th percentile per-packet one-way delay: 183.726 ms

Loss rate: 1.85%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-31 01:42:10

End at: 2018-01-31 01:42:40

Below is generated by plot.py at 2018-01-31 05:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.86 Mbit/s

95th percentile per-packet one-way delay: 189.133 ms

Loss rate: 4.05%

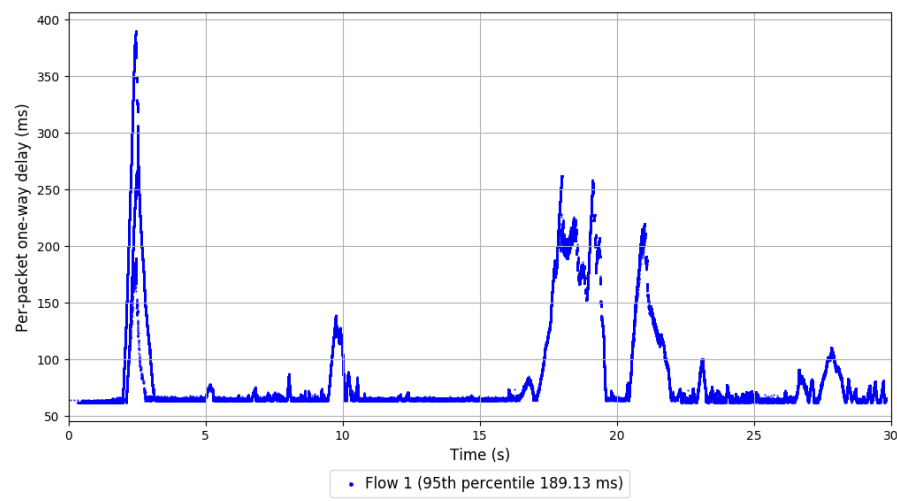
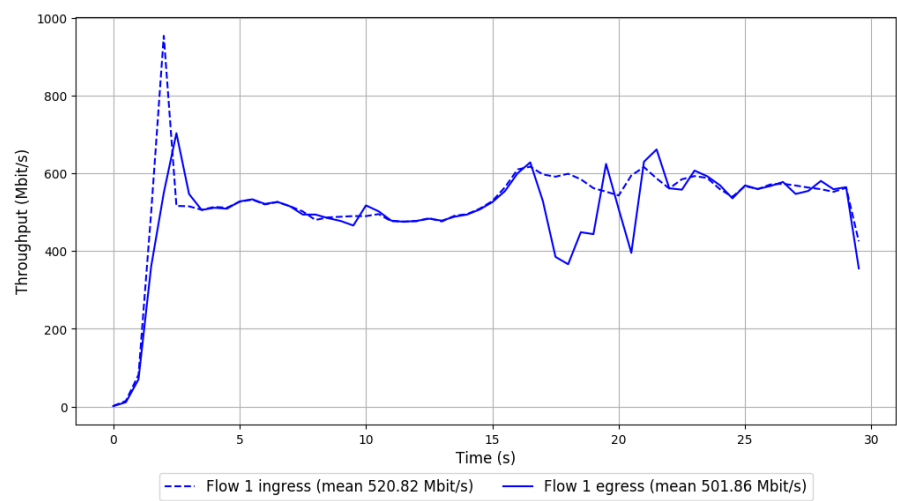
-- Flow 1:

Average throughput: 501.86 Mbit/s

95th percentile per-packet one-way delay: 189.133 ms

Loss rate: 4.05%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-31 01:55:42

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

Below is generated by plot.py at 2018-01-31 05:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 438.50 Mbit/s

95th percentile per-packet one-way delay: 118.810 ms

Loss rate: 0.94%

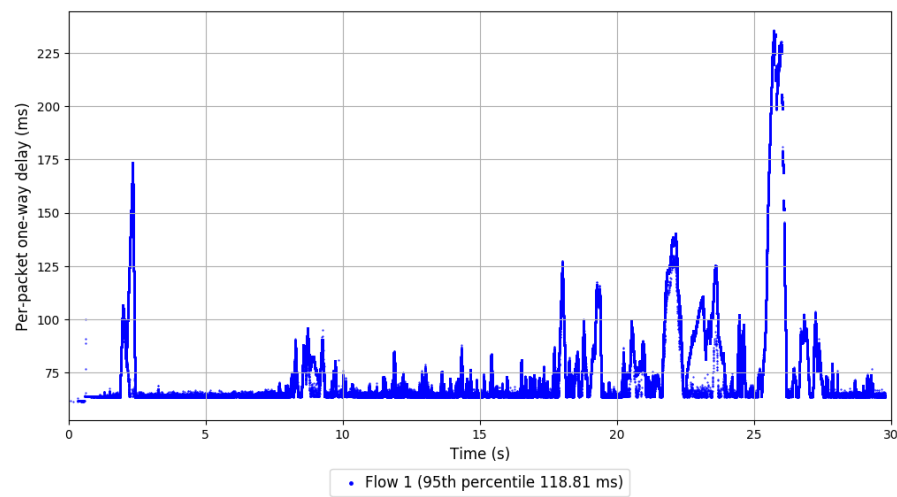
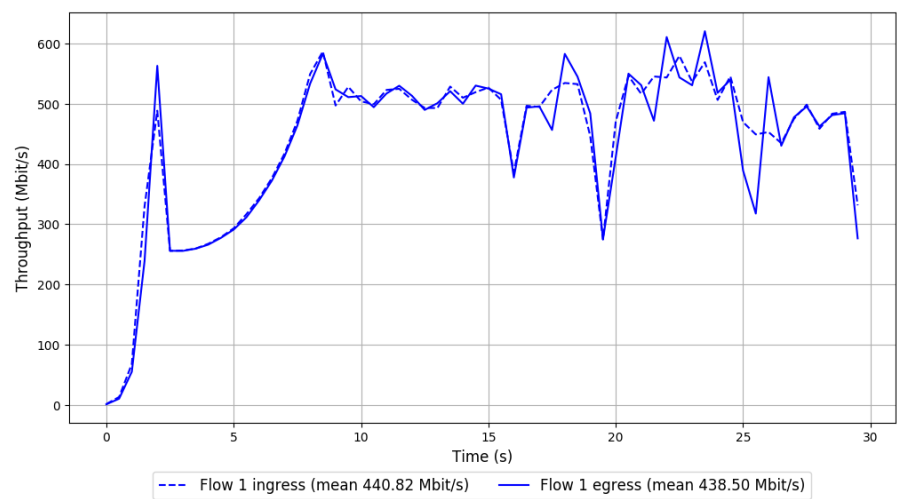
-- Flow 1:

Average throughput: 438.50 Mbit/s

95th percentile per-packet one-way delay: 118.810 ms

Loss rate: 0.94%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-31 02:08:52

End at: 2018-01-31 02:09:23

Below is generated by plot.py at 2018-01-31 05:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 443.60 Mbit/s

95th percentile per-packet one-way delay: 92.462 ms

Loss rate: 1.01%

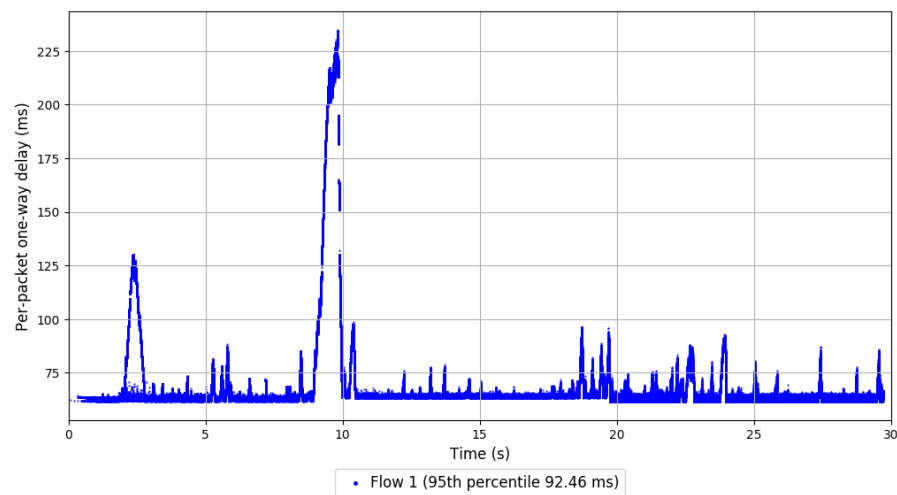
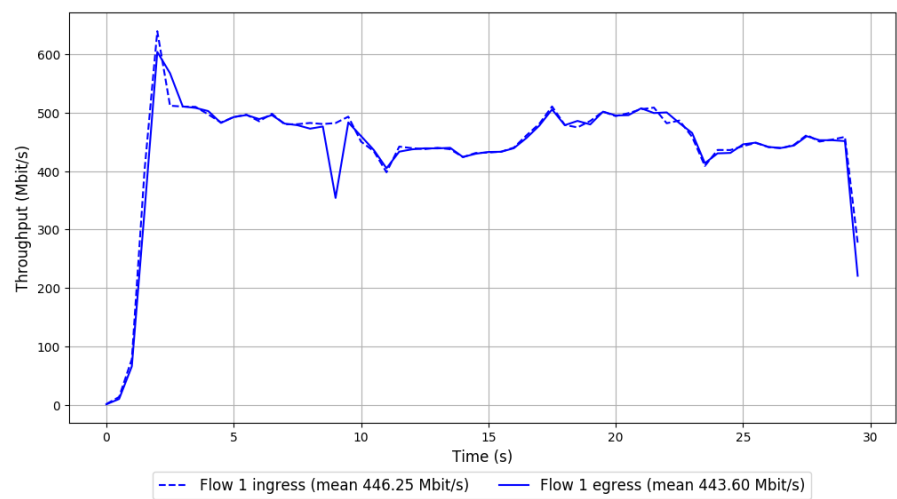
-- Flow 1:

Average throughput: 443.60 Mbit/s

95th percentile per-packet one-way delay: 92.462 ms

Loss rate: 1.01%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-31 02:22:06

End at: 2018-01-31 02:22:36

Below is generated by plot.py at 2018-01-31 05:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.54 Mbit/s

95th percentile per-packet one-way delay: 82.038 ms

Loss rate: 0.54%

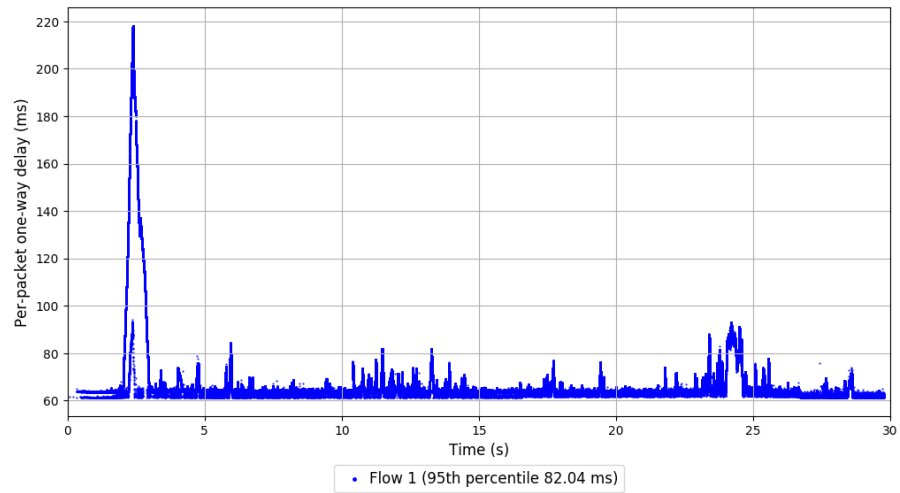
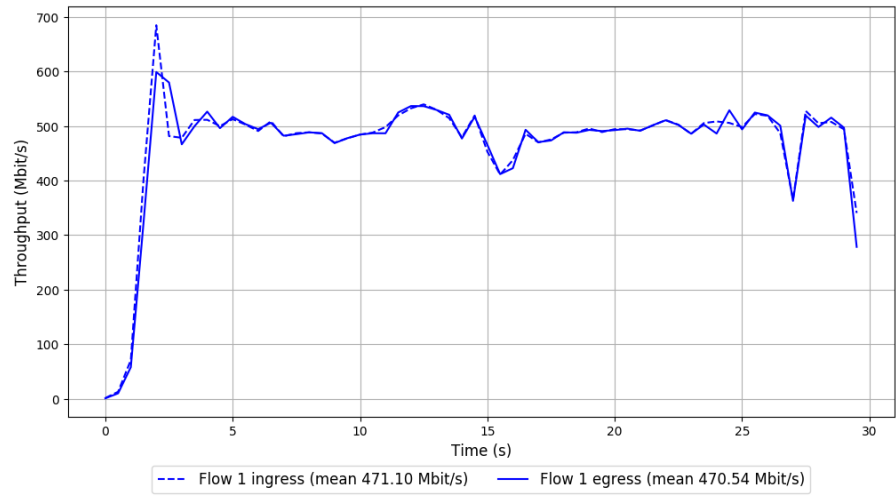
-- Flow 1:

Average throughput: 470.54 Mbit/s

95th percentile per-packet one-way delay: 82.038 ms

Loss rate: 0.54%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-31 02:35:29

End at: 2018-01-31 02:35:59

Below is generated by plot.py at 2018-01-31 05:43:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.45 Mbit/s

95th percentile per-packet one-way delay: 160.367 ms

Loss rate: 2.04%

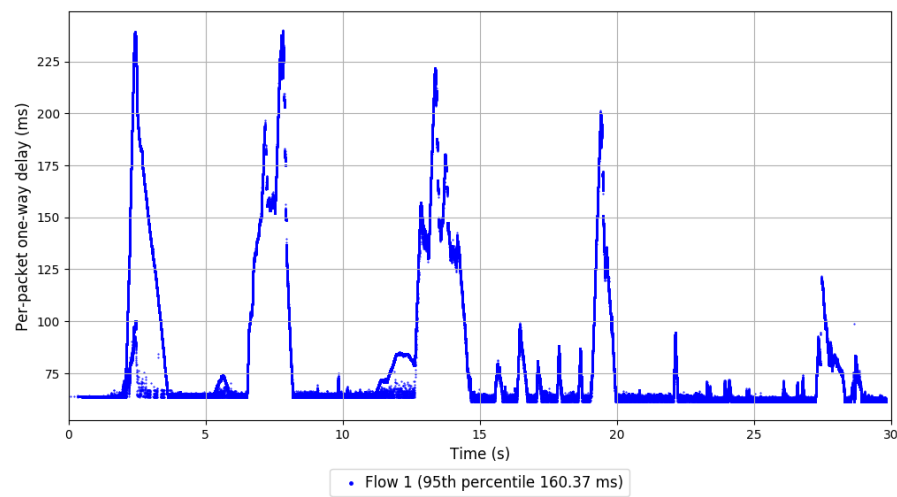
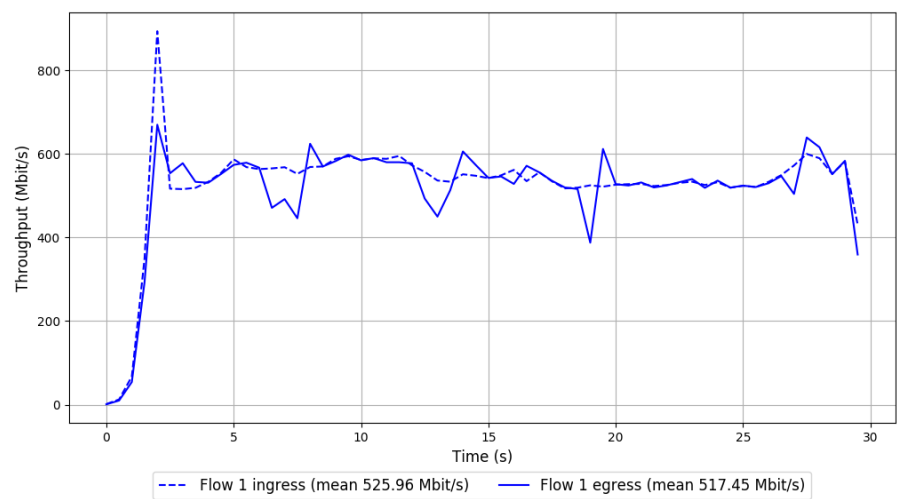
-- Flow 1:

Average throughput: 517.45 Mbit/s

95th percentile per-packet one-way delay: 160.367 ms

Loss rate: 2.04%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-31 02:49:17

End at: 2018-01-31 02:49:47

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.75 Mbit/s

95th percentile per-packet one-way delay: 195.193 ms

Loss rate: 3.16%

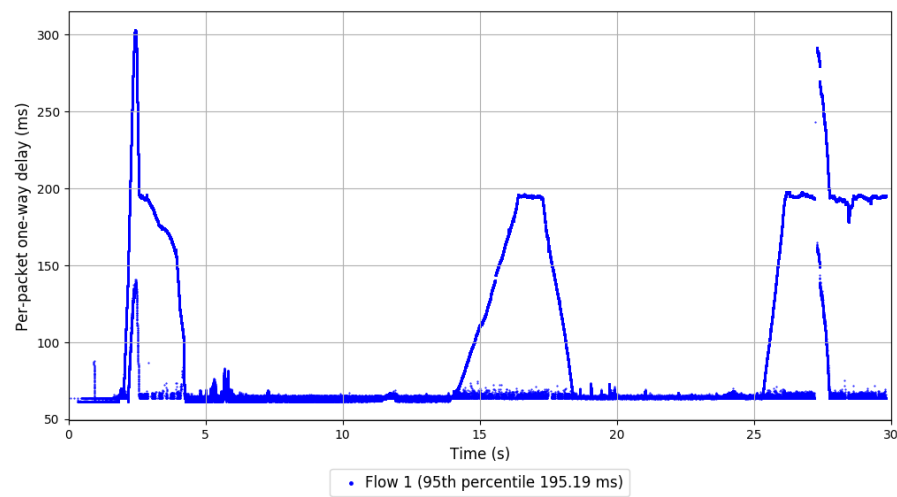
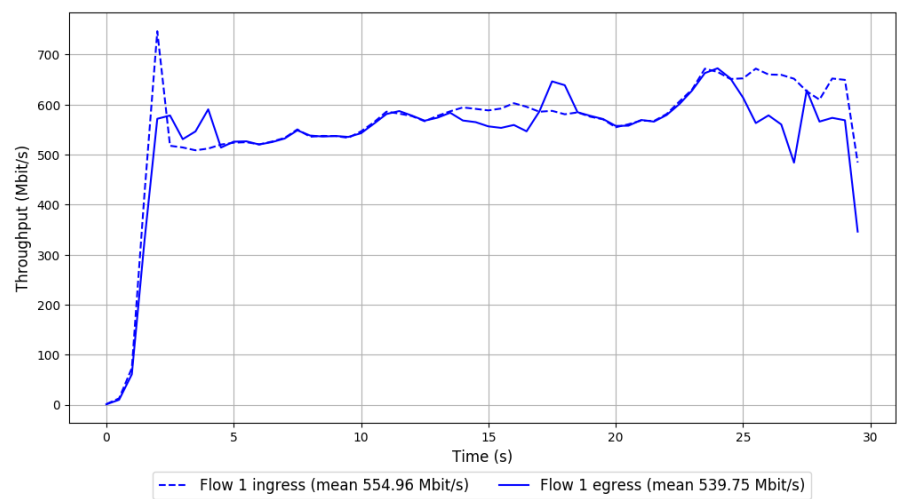
-- Flow 1:

Average throughput: 539.75 Mbit/s

95th percentile per-packet one-way delay: 195.193 ms

Loss rate: 3.16%

Run 10: Report of PCC — Data Link

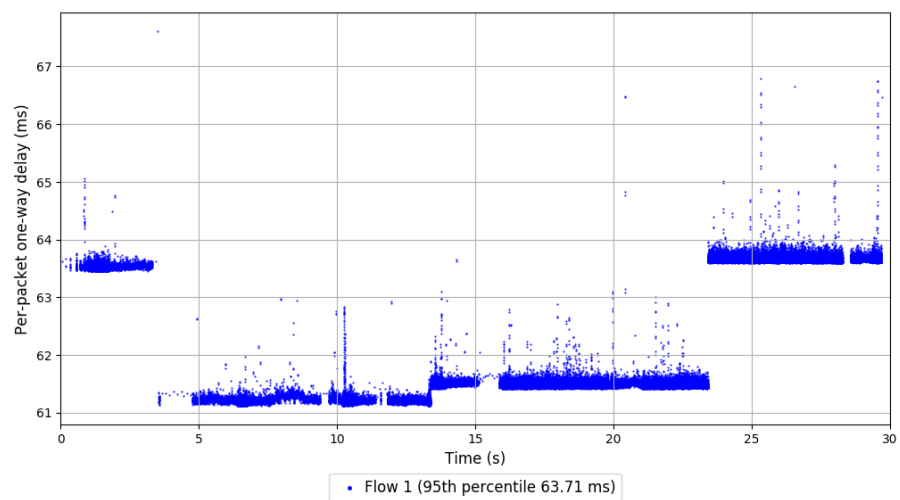
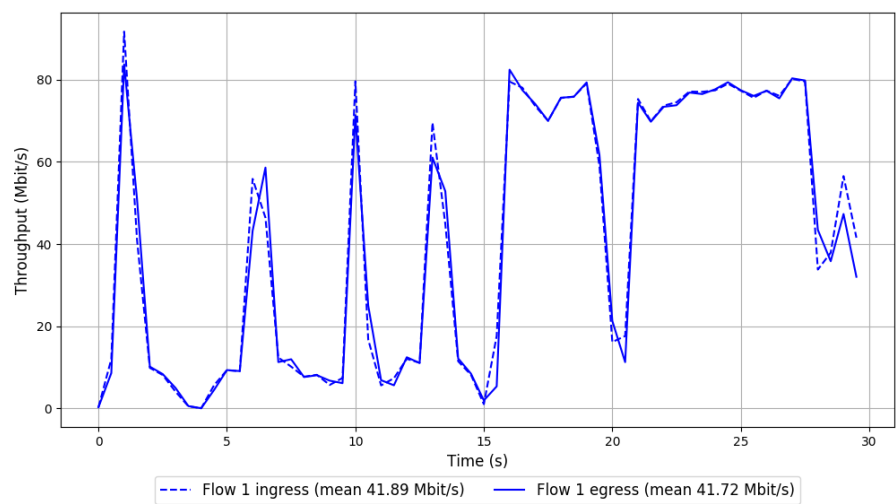


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-31 00:44:19
End at: 2018-01-31 00:44:49

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 63.710 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 63.710 ms
Loss rate: 0.84%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-31 00:57:56

End at: 2018-01-31 00:58:26

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 63.665 ms

Loss rate: 0.62%

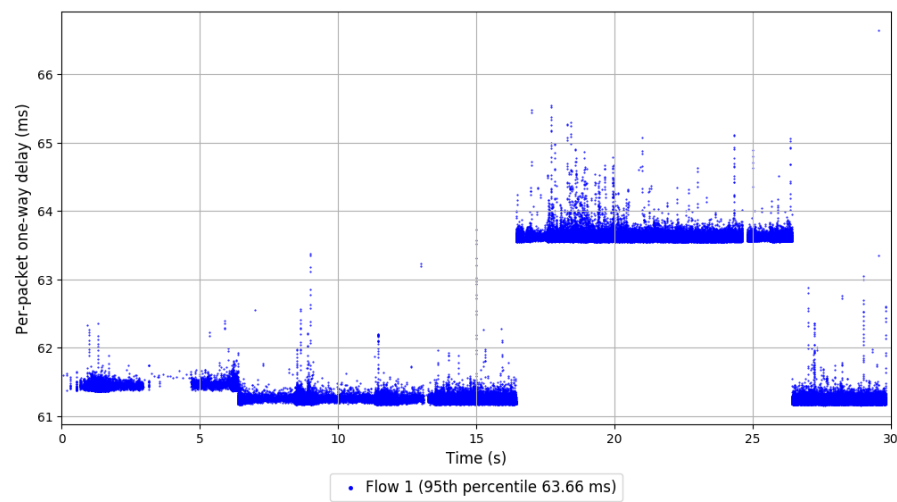
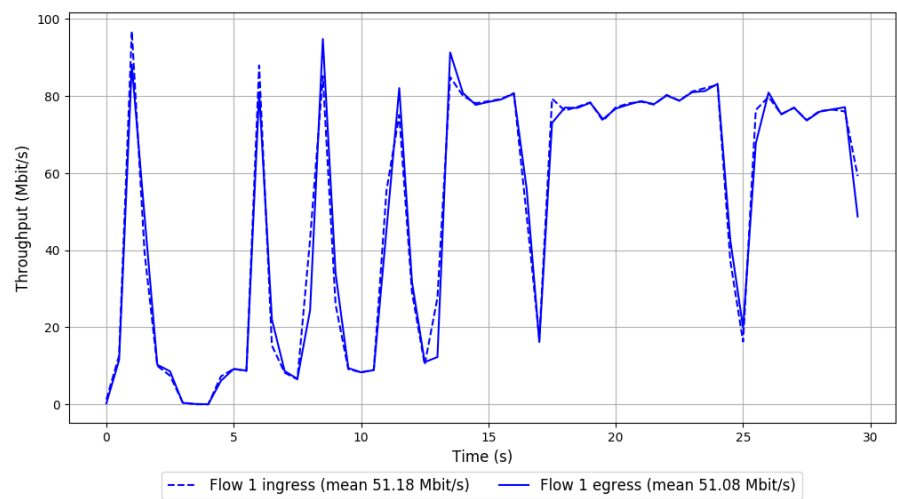
-- Flow 1:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 63.665 ms

Loss rate: 0.62%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-31 01:11:53

End at: 2018-01-31 01:12:23

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 63.433 ms

Loss rate: 0.17%

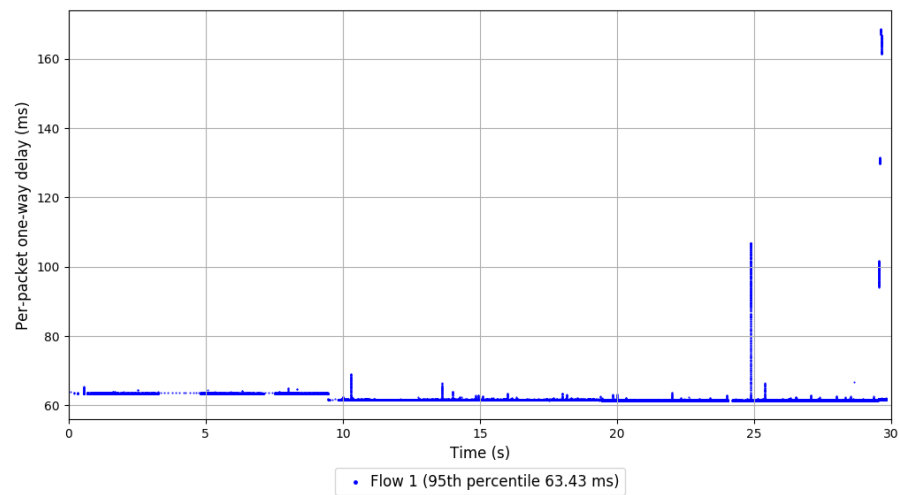
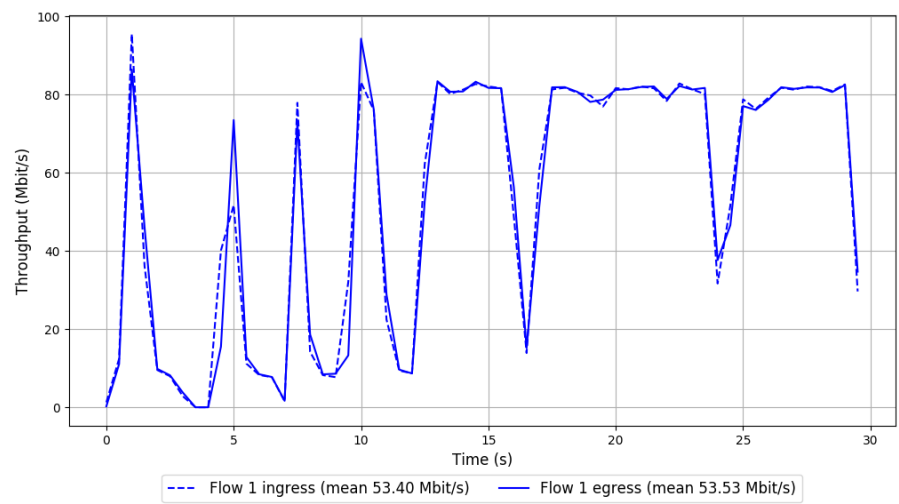
-- Flow 1:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 63.433 ms

Loss rate: 0.17%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-31 01:25:40

End at: 2018-01-31 01:26:10

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.63 Mbit/s

95th percentile per-packet one-way delay: 63.522 ms

Loss rate: 0.57%

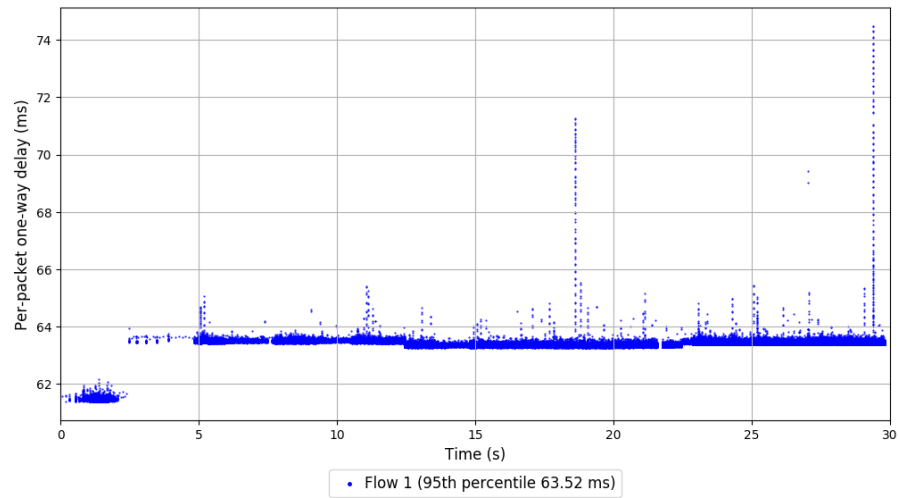
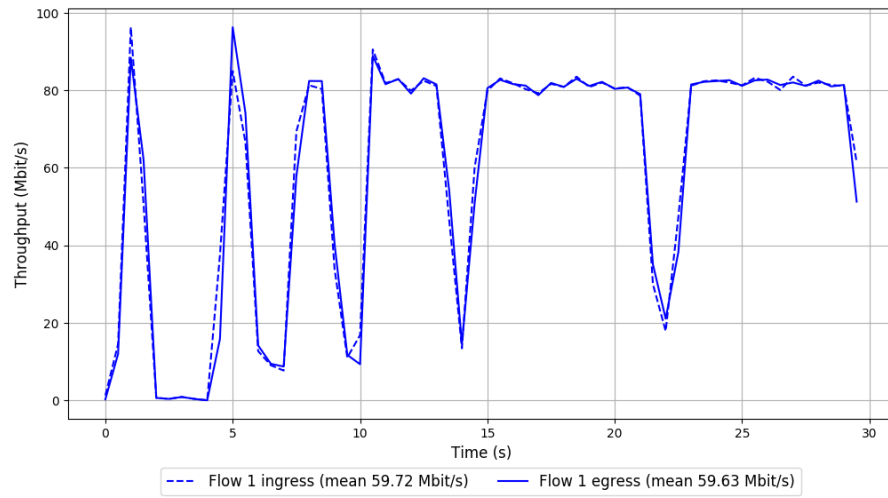
-- Flow 1:

Average throughput: 59.63 Mbit/s

95th percentile per-packet one-way delay: 63.522 ms

Loss rate: 0.57%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-31 01:39:10

End at: 2018-01-31 01:39:40

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 63.554 ms

Loss rate: 0.57%

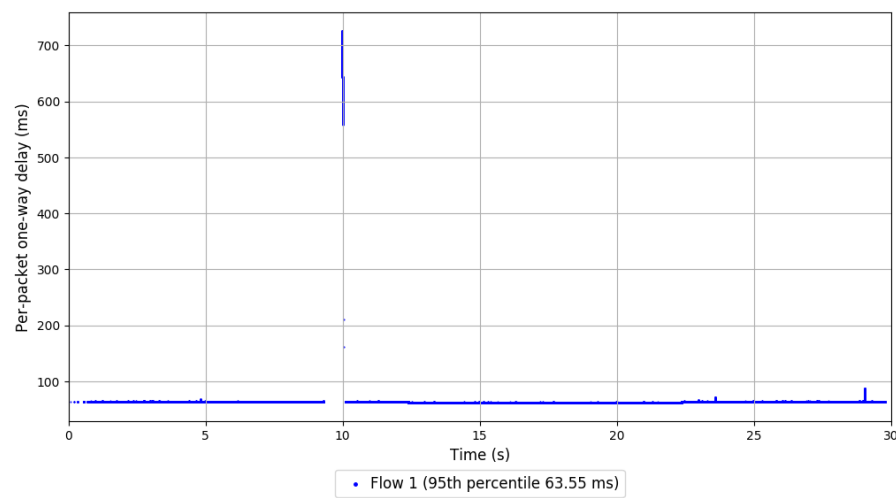
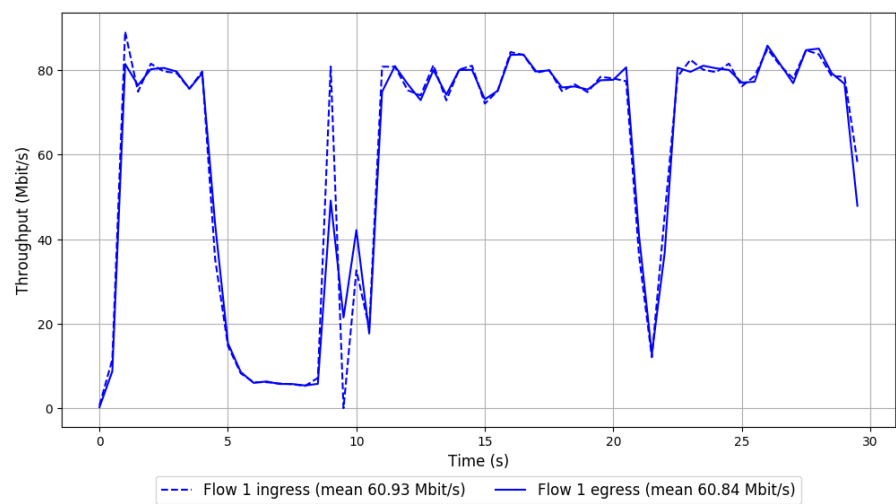
-- Flow 1:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 63.554 ms

Loss rate: 0.57%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-31 01:52:36

End at: 2018-01-31 01:53:06

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.09 Mbit/s

95th percentile per-packet one-way delay: 63.592 ms

Loss rate: 0.40%

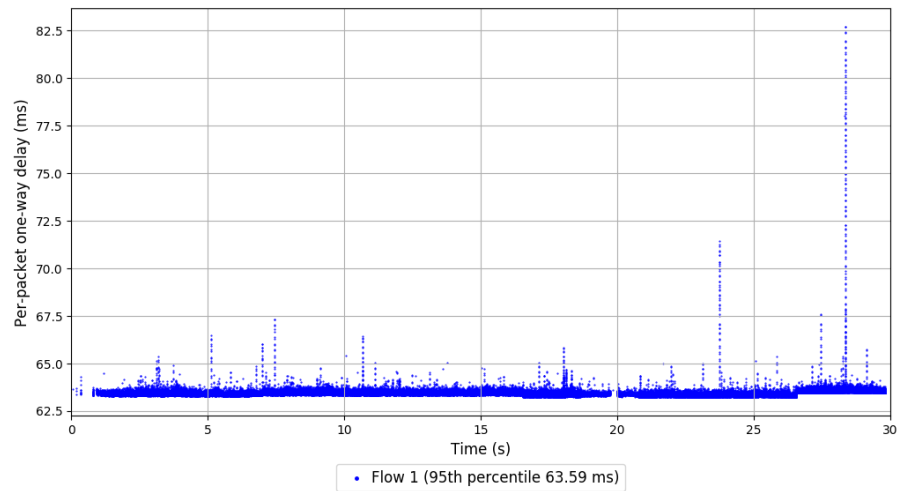
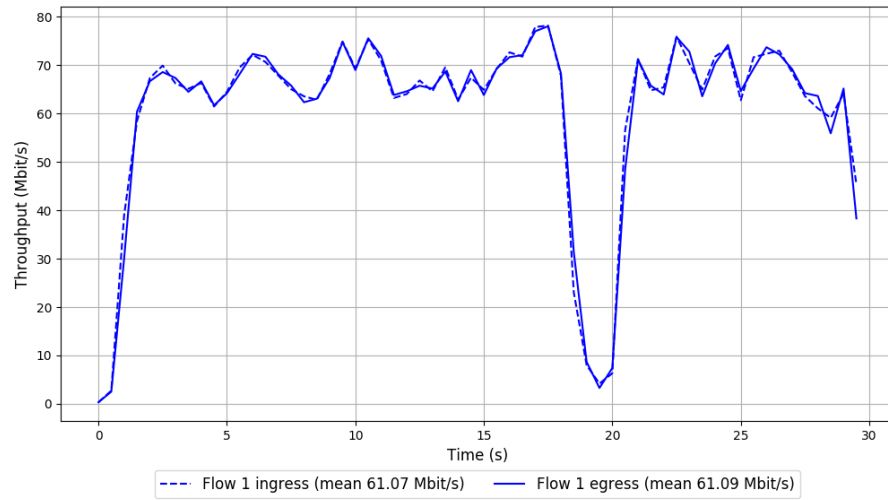
-- Flow 1:

Average throughput: 61.09 Mbit/s

95th percentile per-packet one-way delay: 63.592 ms

Loss rate: 0.40%

Run 6: Report of QUIC Cubic — Data Link

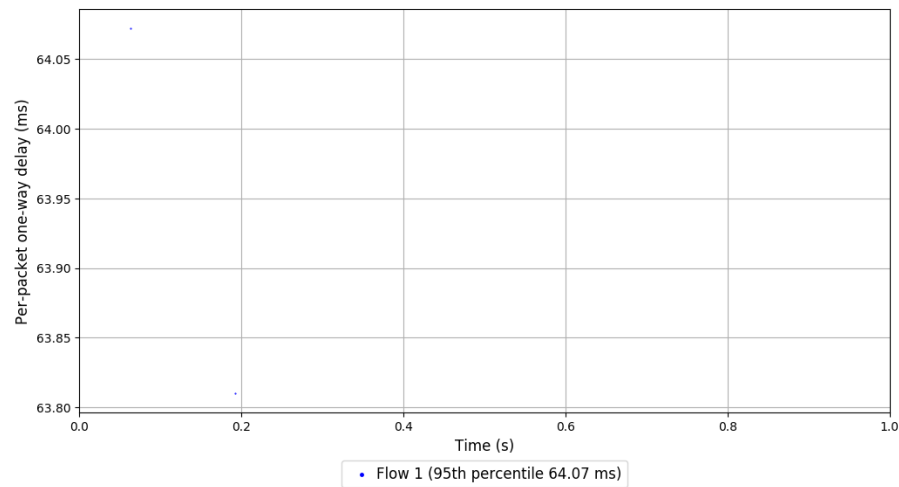
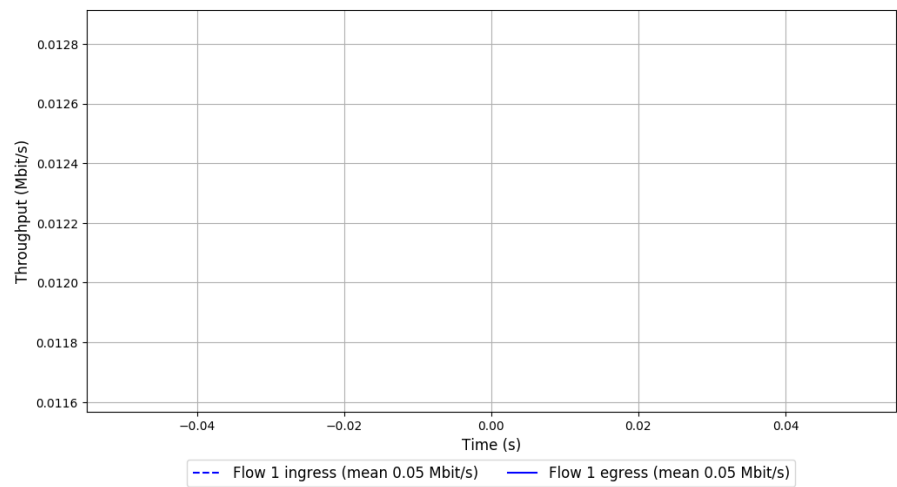


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-31 02:05:54

End at: 2018-01-31 02:06:24

Run 7: Report of QUIC Cubic — Data Link

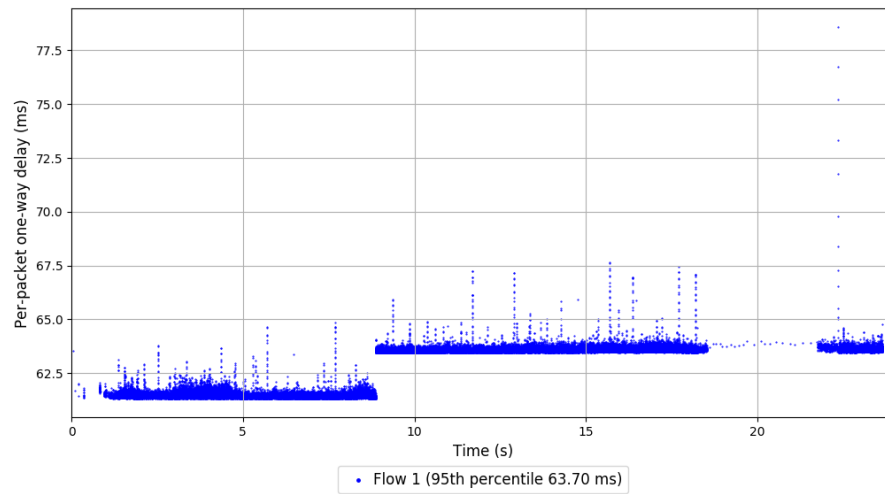
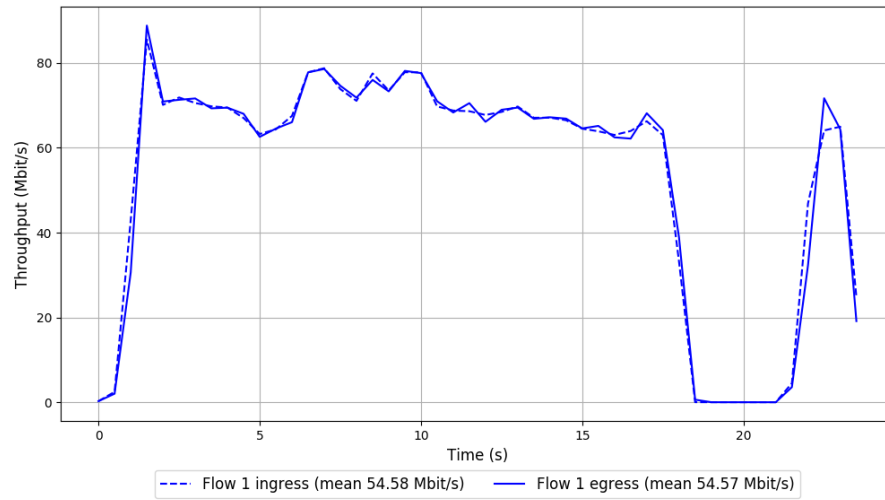


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-31 02:19:07

End at: 2018-01-31 02:19:37

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

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

End at: 2018-01-31 02:33:00

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.23 Mbit/s

95th percentile per-packet one-way delay: 63.493 ms

Loss rate: 0.67%

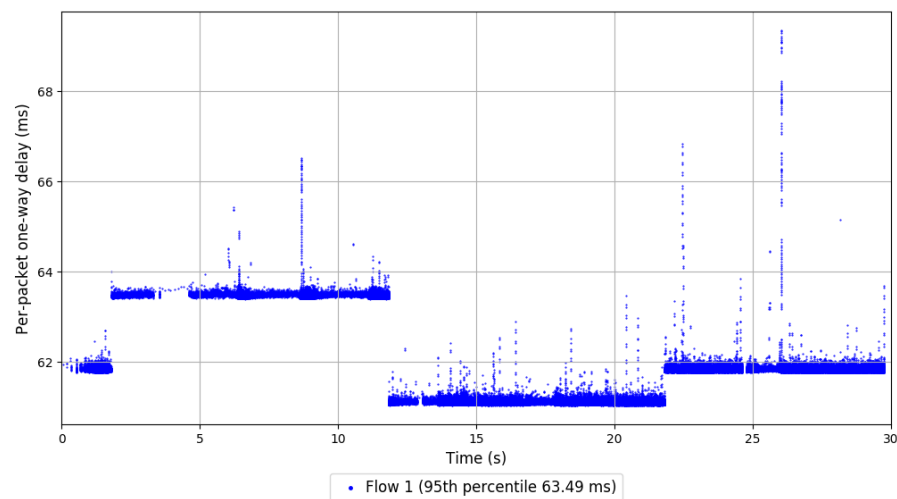
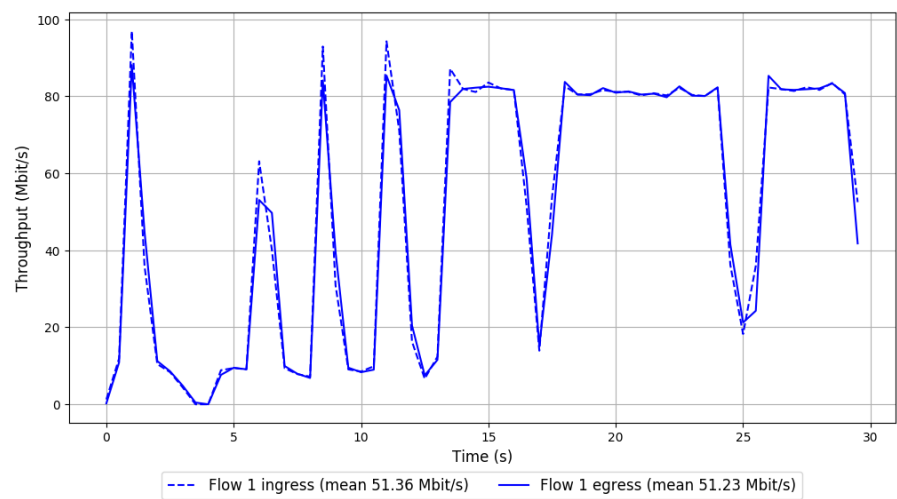
-- Flow 1:

Average throughput: 51.23 Mbit/s

95th percentile per-packet one-way delay: 63.493 ms

Loss rate: 0.67%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-31 02:46:16

End at: 2018-01-31 02:46:46

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.06 Mbit/s

95th percentile per-packet one-way delay: 63.679 ms

Loss rate: 0.54%

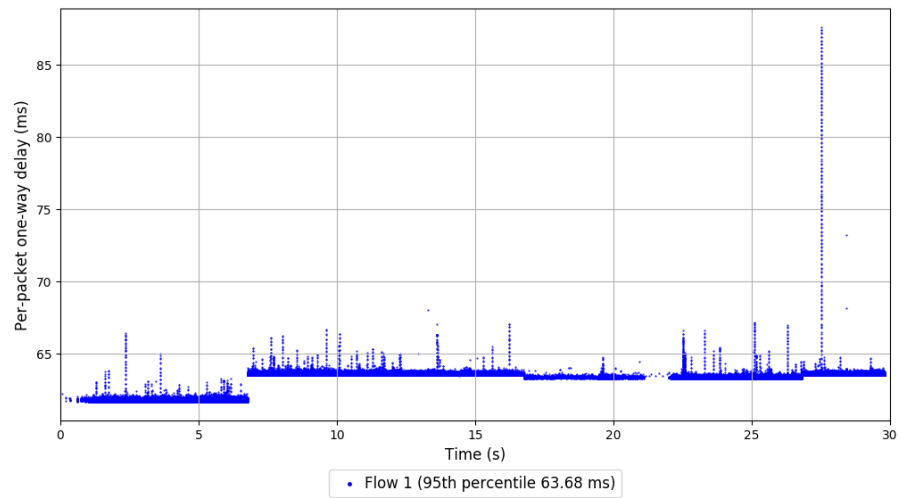
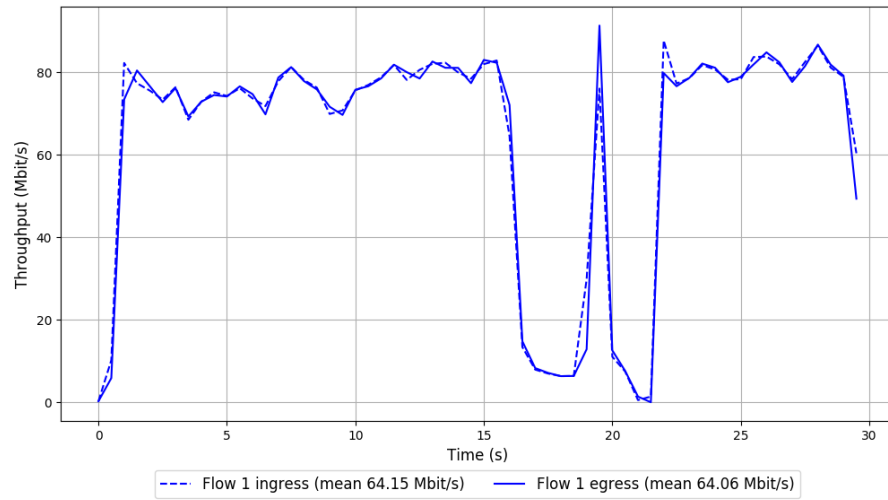
-- Flow 1:

Average throughput: 64.06 Mbit/s

95th percentile per-packet one-way delay: 63.679 ms

Loss rate: 0.54%

Run 10: Report of QUIC Cubic — Data Link

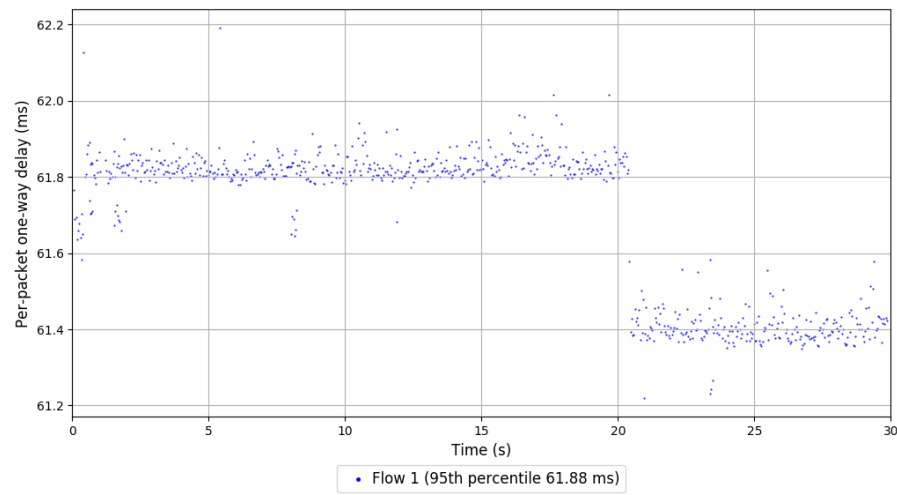
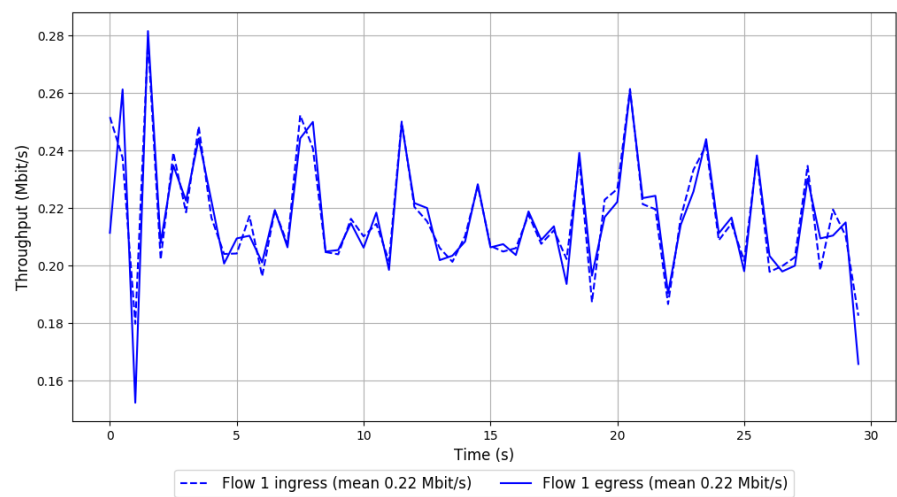


```
Run 1: Statistics of SCReAM

Start at: 2018-01-31 00:51:12
End at: 2018-01-31 00:51:42

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.880 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.880 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link

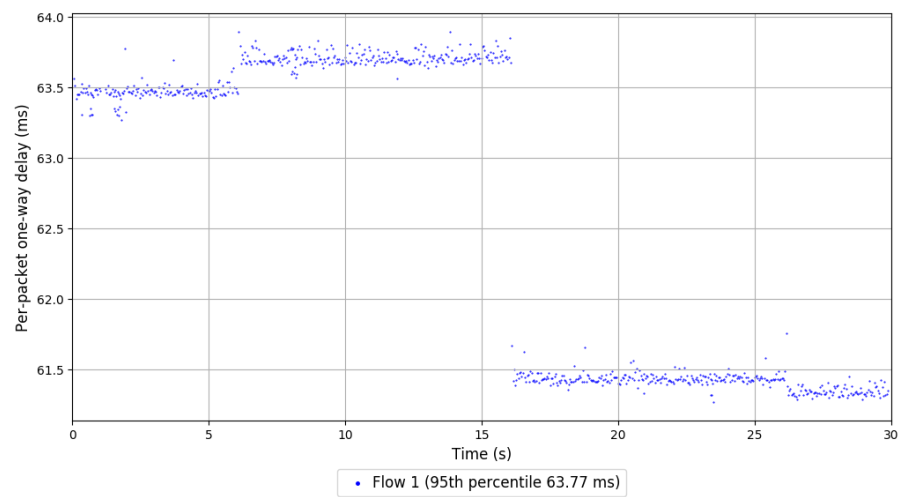
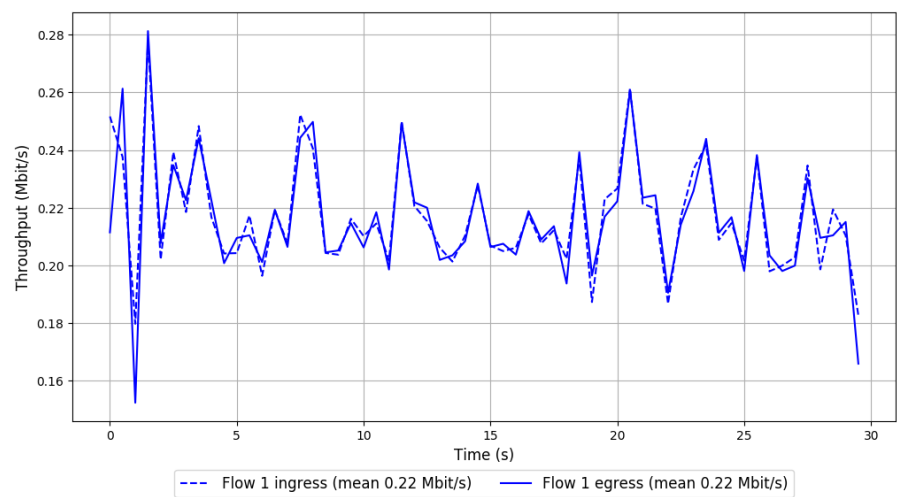


```
Run 2: Statistics of SCReAM

Start at: 2018-01-31 01:04:46
End at: 2018-01-31 01:05:16

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.769 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.769 ms
Loss rate: 0.38%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-31 01:18:42

End at: 2018-01-31 01:19:12

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.613 ms

Loss rate: 0.38%

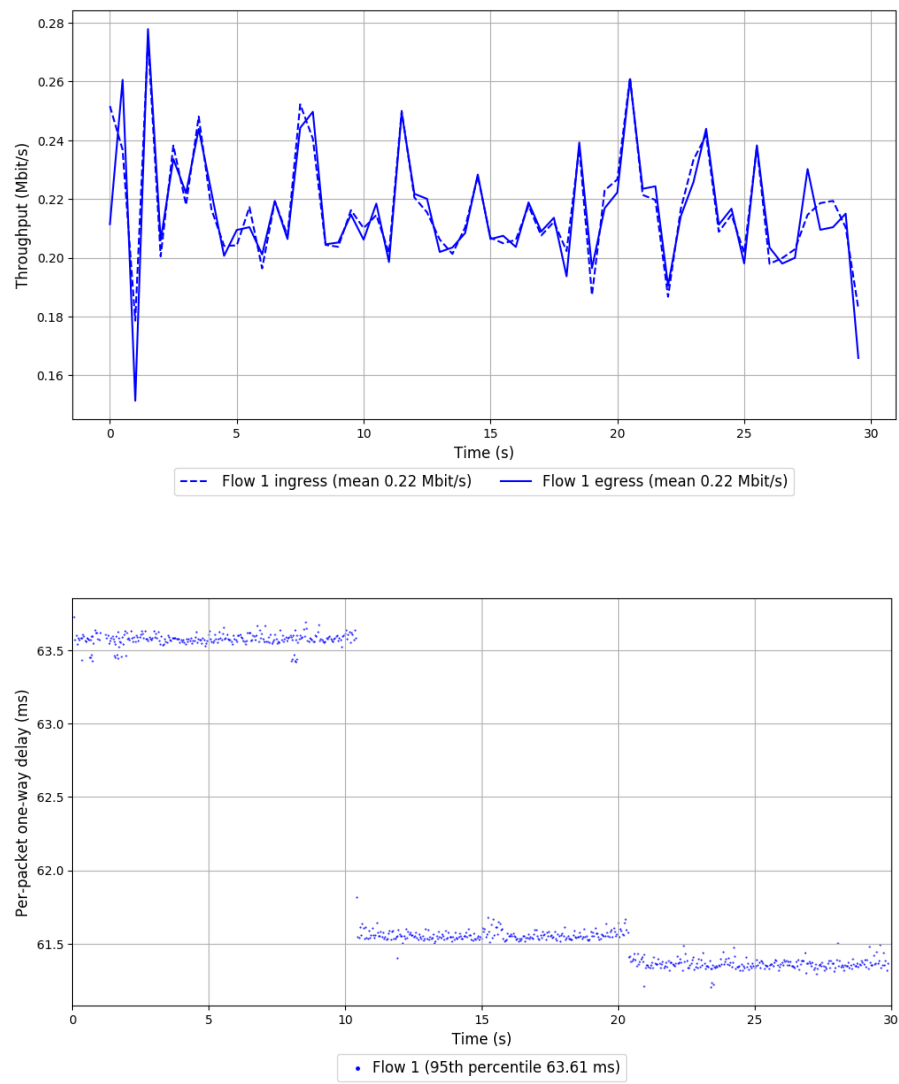
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.613 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-31 01:32:23

End at: 2018-01-31 01:32:53

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.683 ms

Loss rate: 0.38%

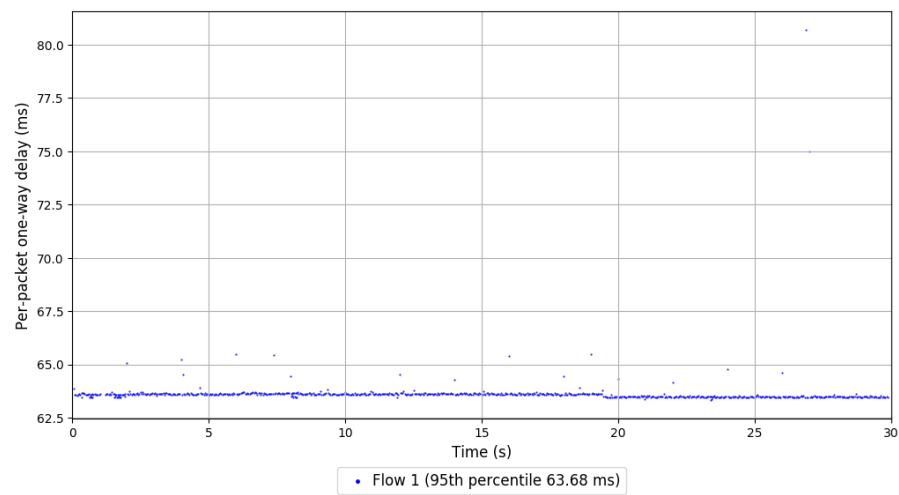
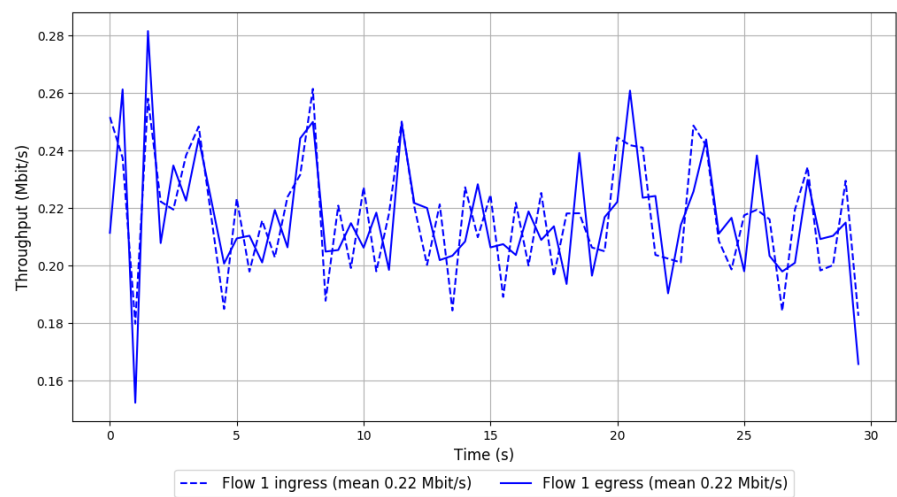
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.683 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

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

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

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.732 ms

Loss rate: 0.38%

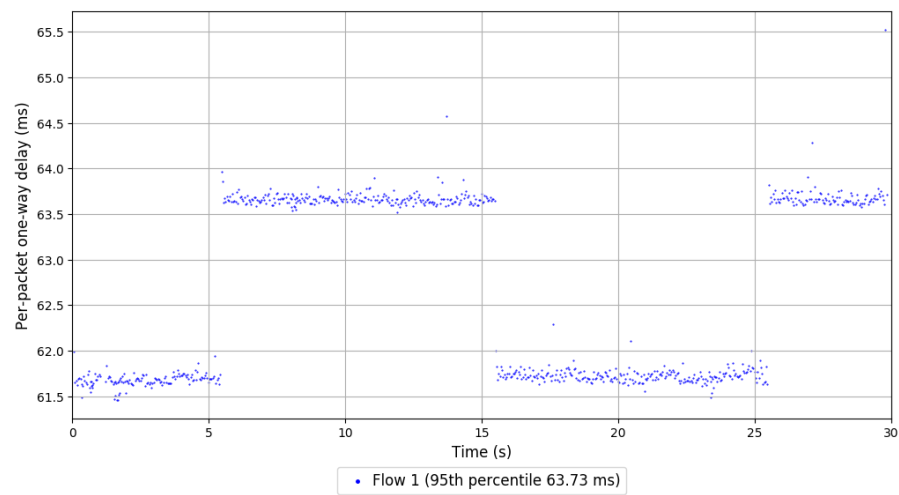
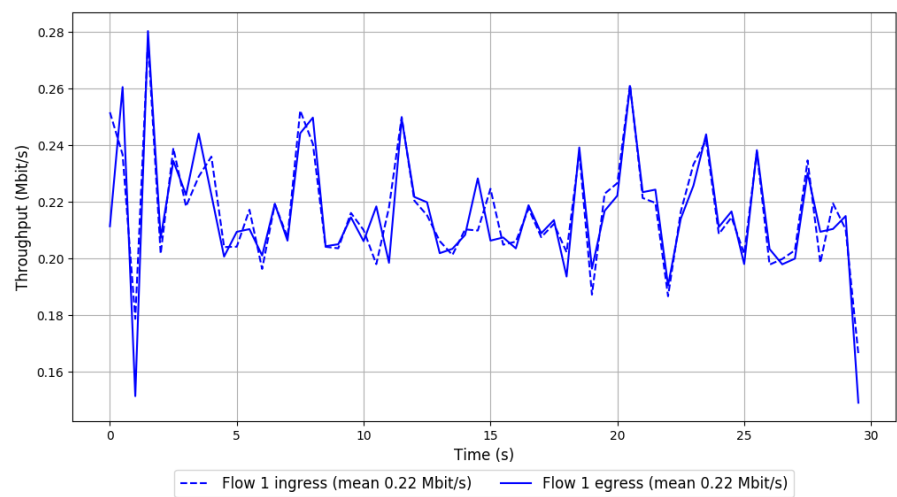
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.732 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-31 01:59:24

End at: 2018-01-31 01:59:54

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.253 ms

Loss rate: 0.38%

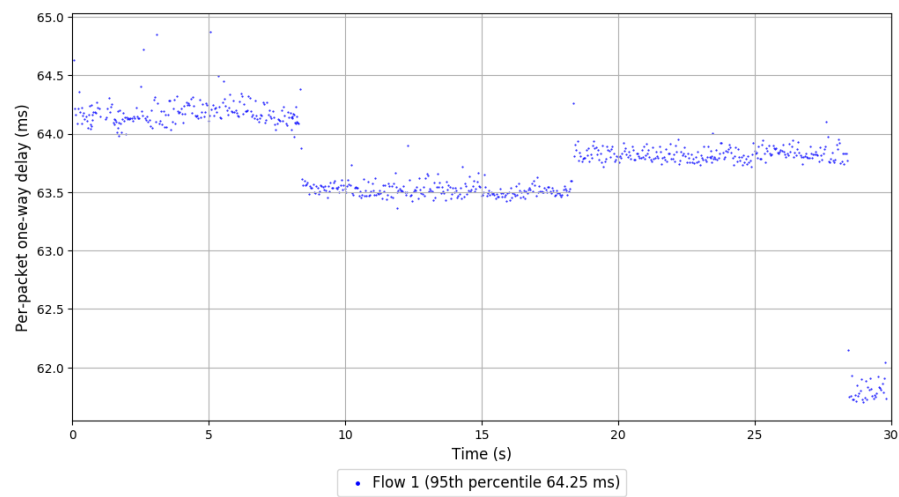
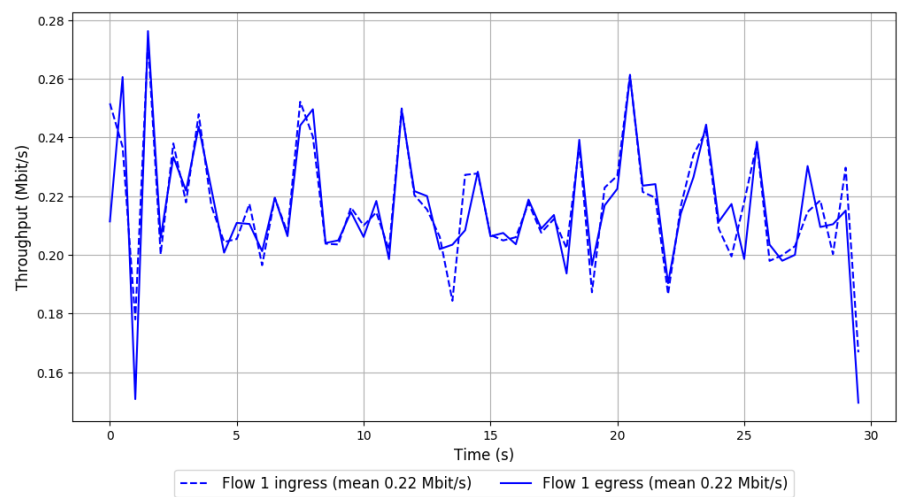
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.253 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-31 02:12:35

End at: 2018-01-31 02:13:05

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.333 ms

Loss rate: 0.38%

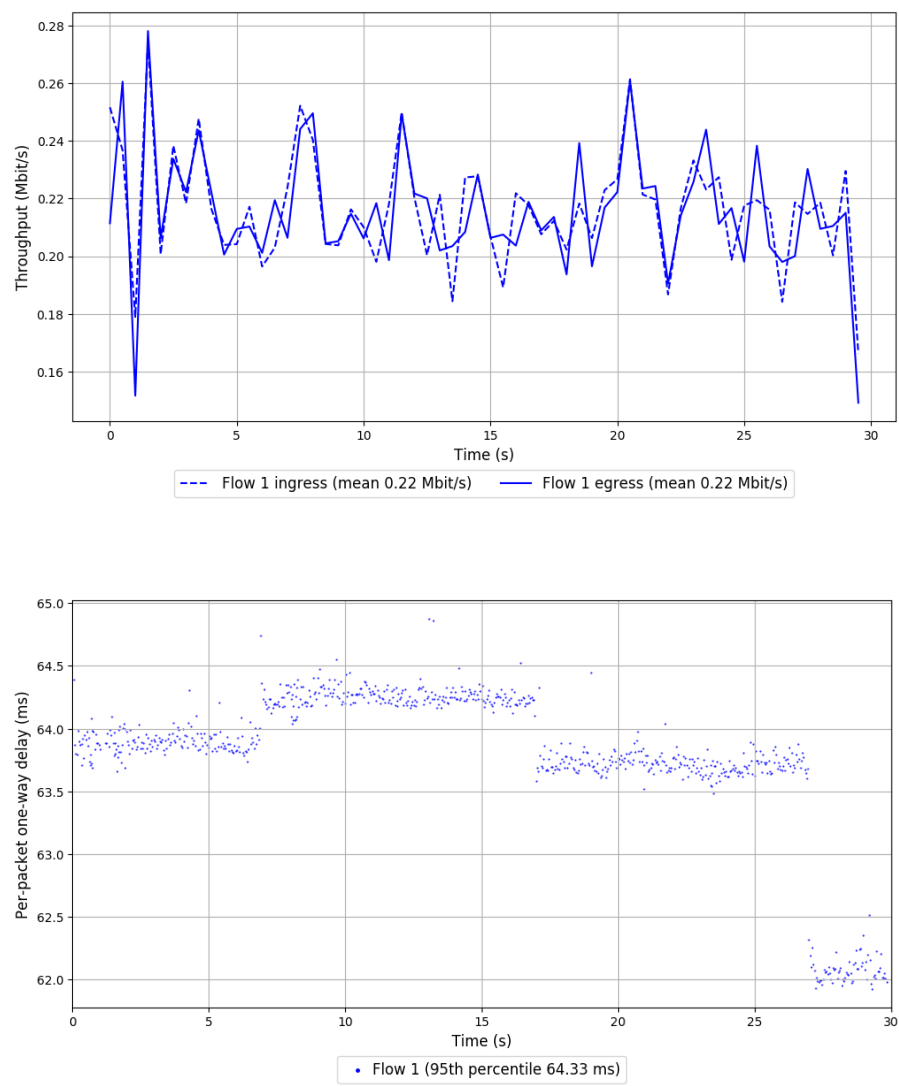
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.333 ms

Loss rate: 0.38%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-31 02:25:47

End at: 2018-01-31 02:26:17

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.674 ms

Loss rate: 0.51%

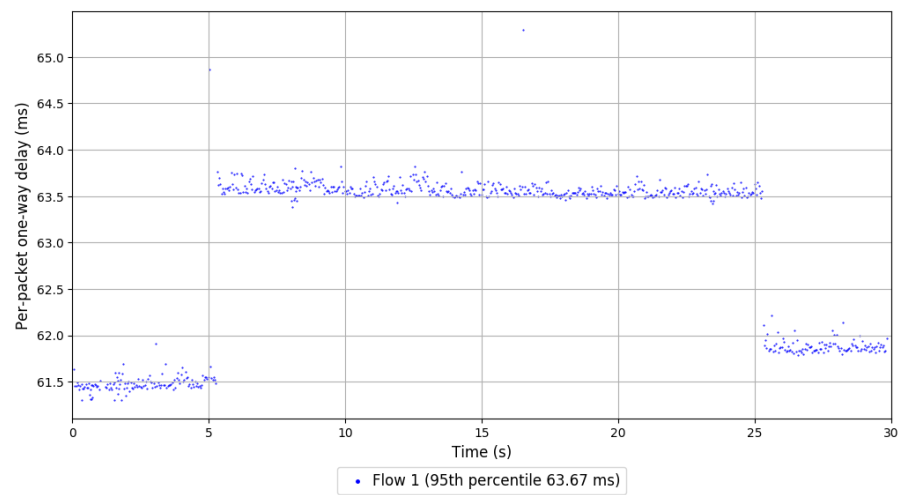
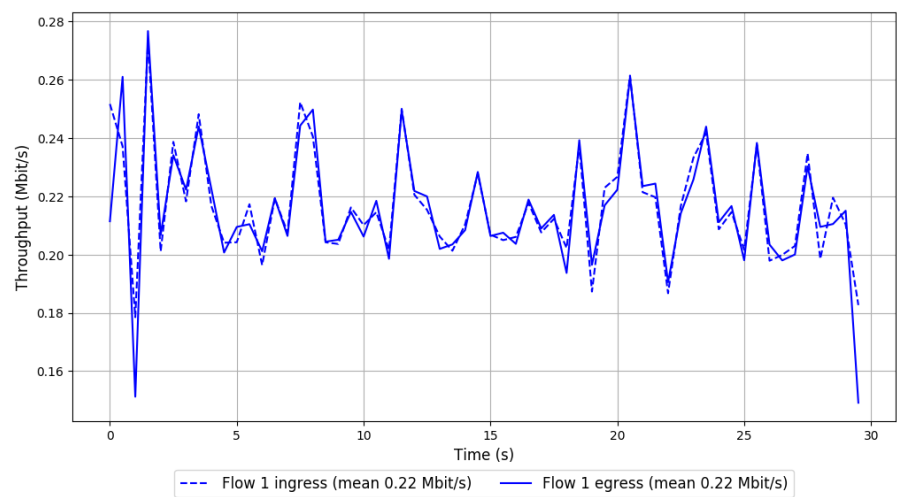
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.674 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-31 02:39:13

End at: 2018-01-31 02:39:43

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.729 ms

Loss rate: 0.38%

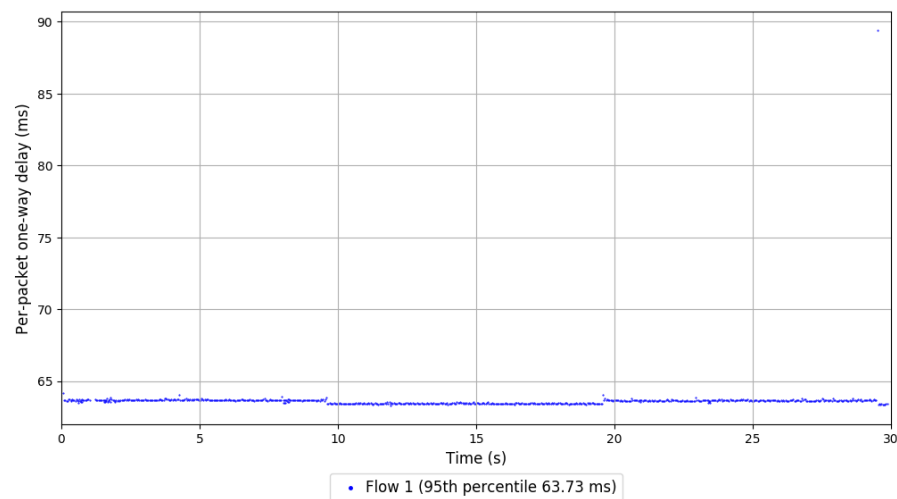
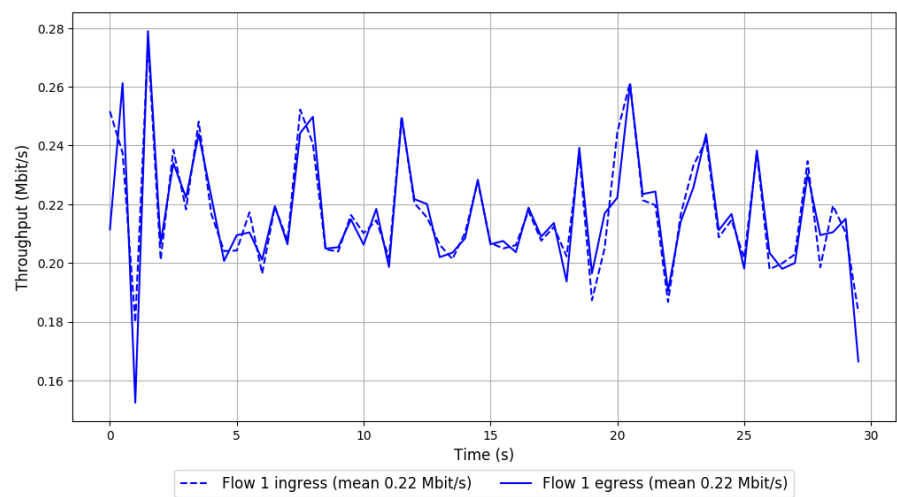
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.729 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link

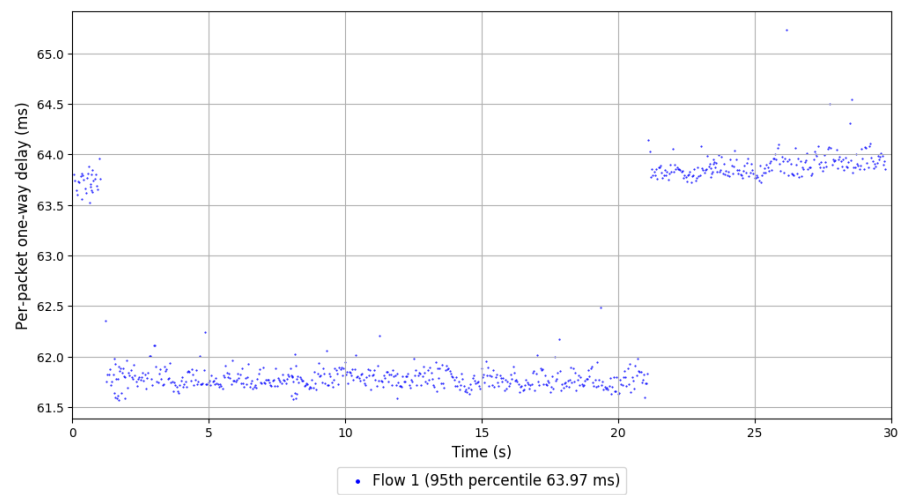
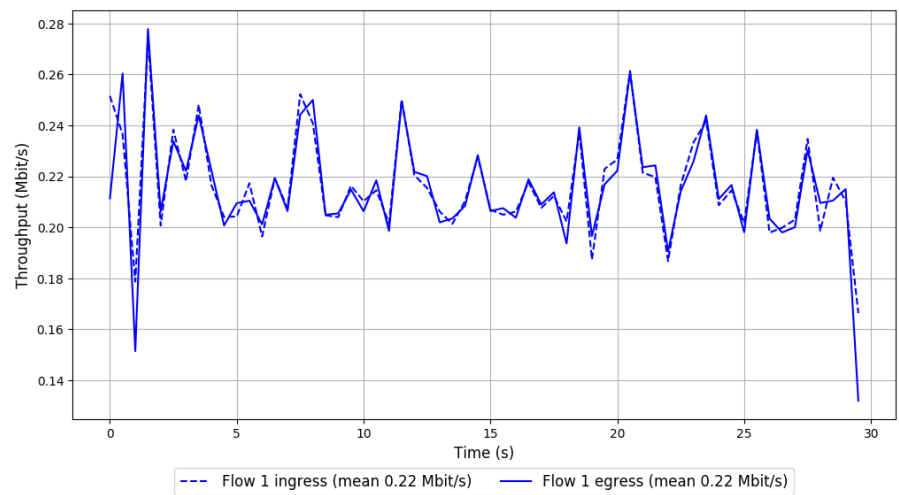


```
Run 10: Statistics of SReAM

Start at: 2018-01-31 02:53:01
End at: 2018-01-31 02:53:31

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.970 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.970 ms
Loss rate: 0.51%
```

Run 10: Report of SReAM — Data Link

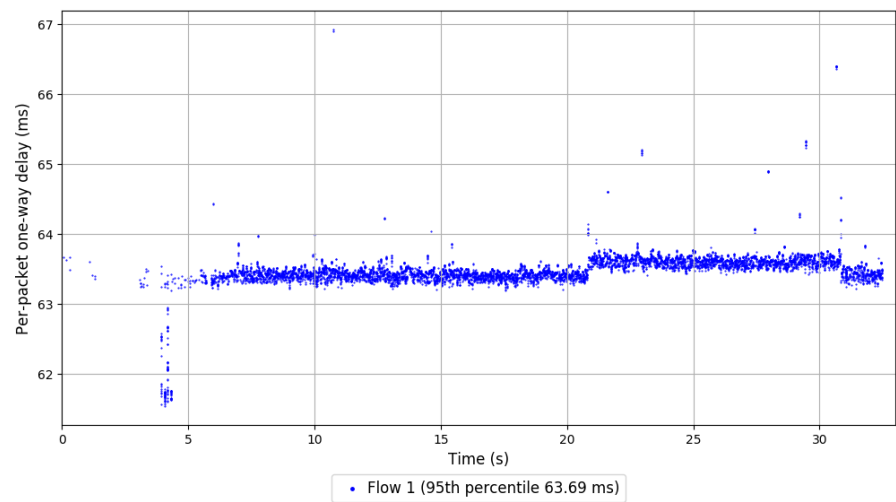
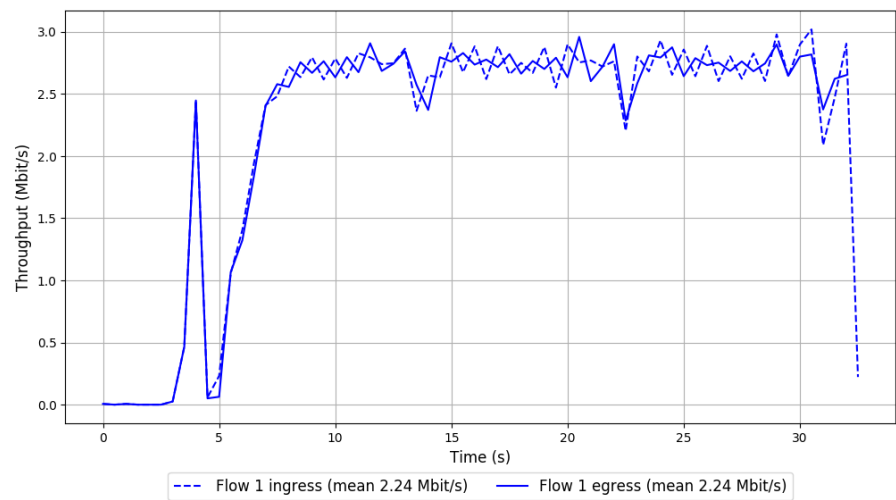


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-31 00:50:34
End at: 2018-01-31 00:51:04

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 63.690 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 63.690 ms
Loss rate: 0.47%
```


Run 1: Report of WebRTC media — Data Link

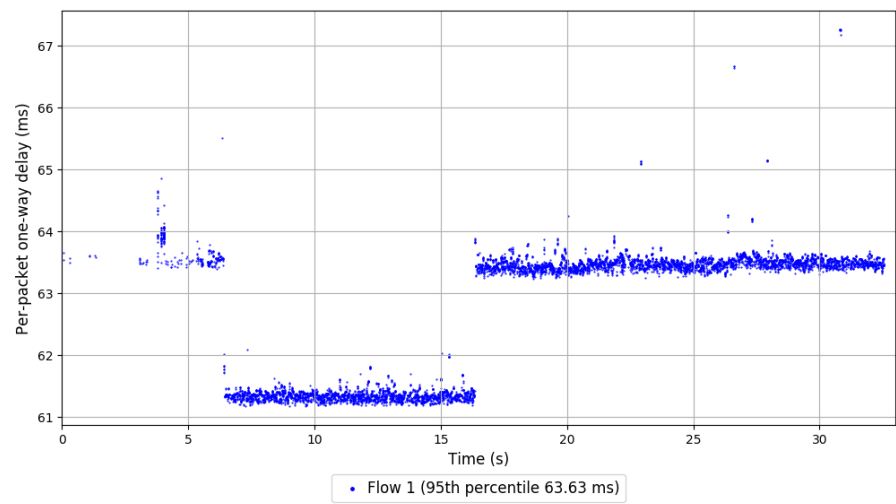
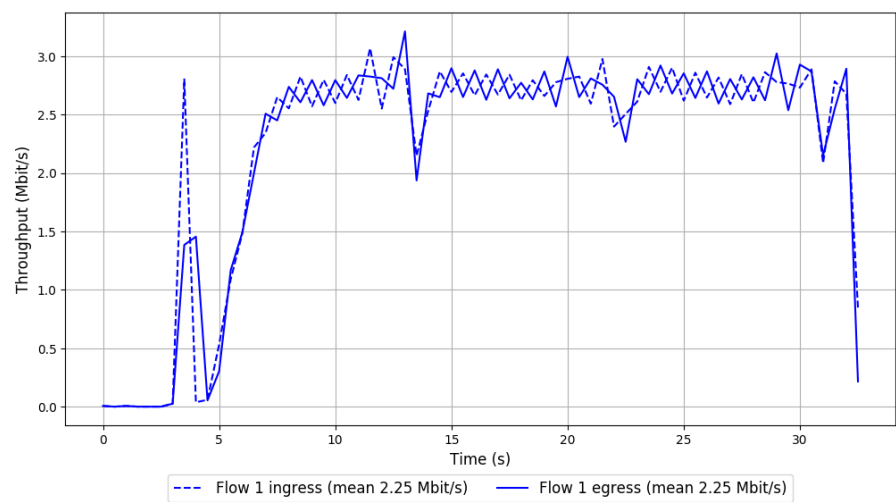


```
Run 2: Statistics of WebRTC media

Start at: 2018-01-31 01:04:09
End at: 2018-01-31 01:04:39

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 63.631 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 63.631 ms
Loss rate: 0.58%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

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

End at: 2018-01-31 01:18:34

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

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

Loss rate: 0.45%

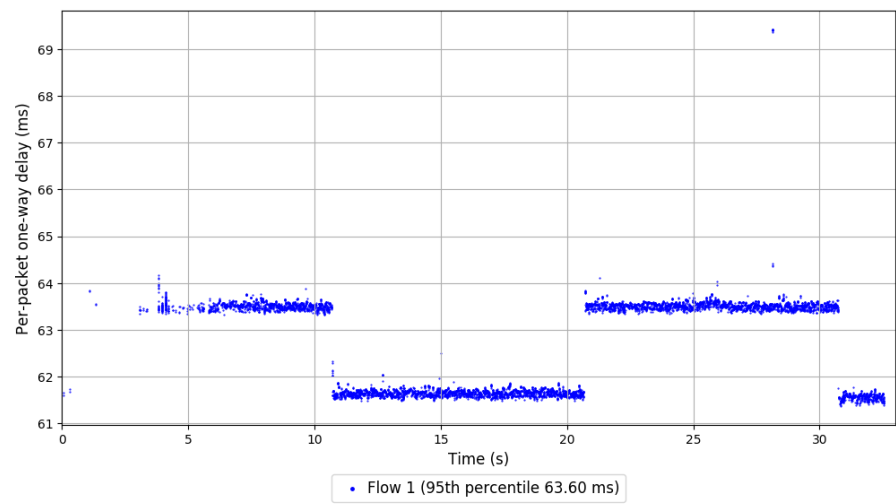
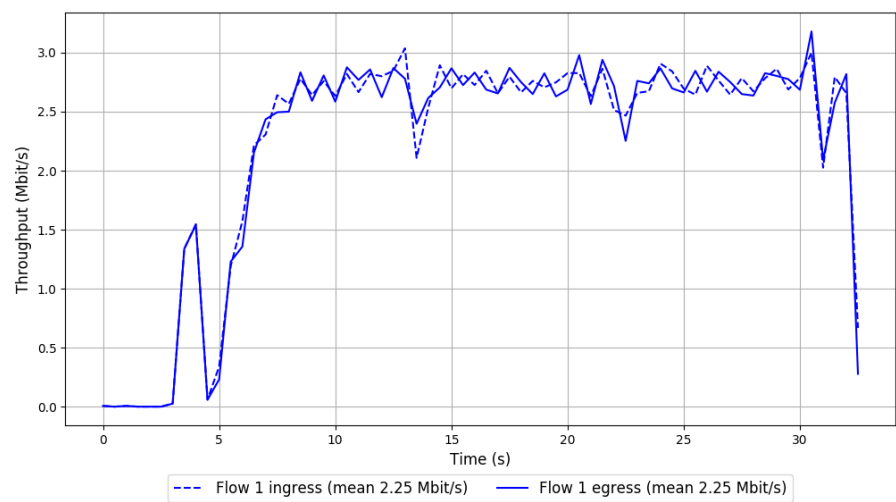
-- Flow 1:

Average throughput: 2.25 Mbit/s

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

Loss rate: 0.45%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

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

End at: 2018-01-31 01:32:15

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 64.066 ms

Loss rate: 0.46%

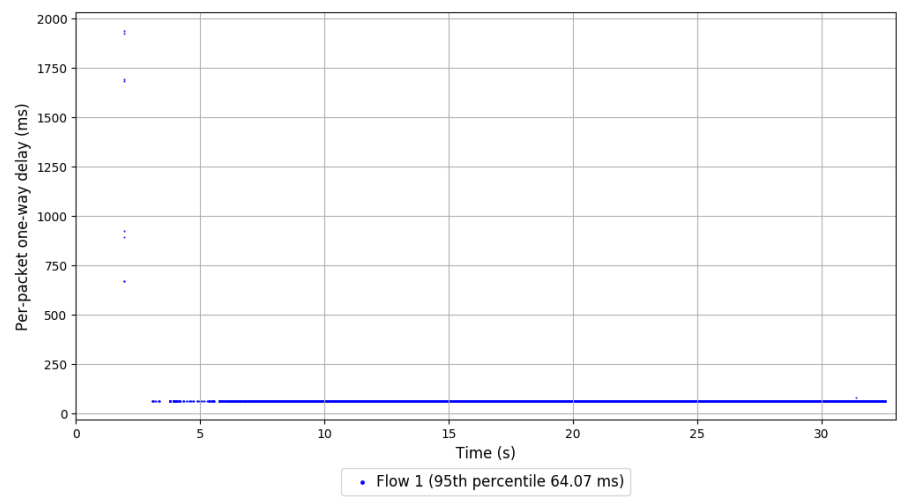
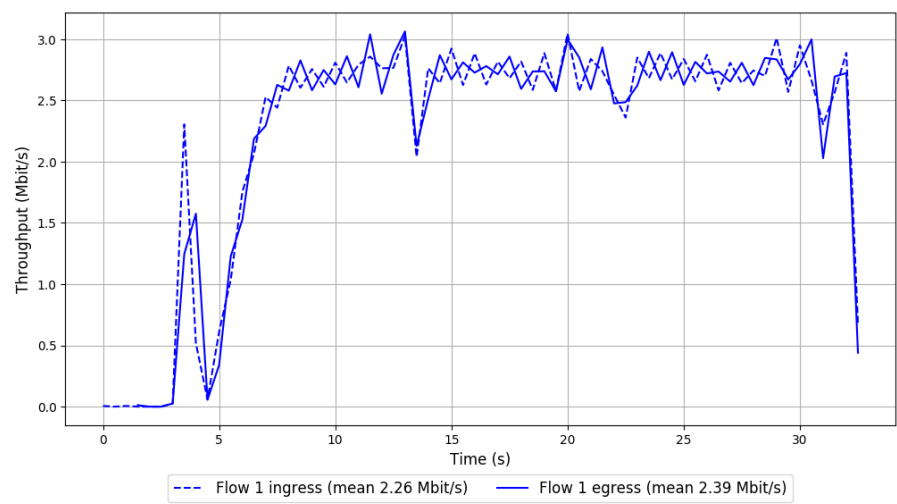
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 64.066 ms

Loss rate: 0.46%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-31 01:45:19

End at: 2018-01-31 01:45:49

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.907 ms

Loss rate: 0.49%

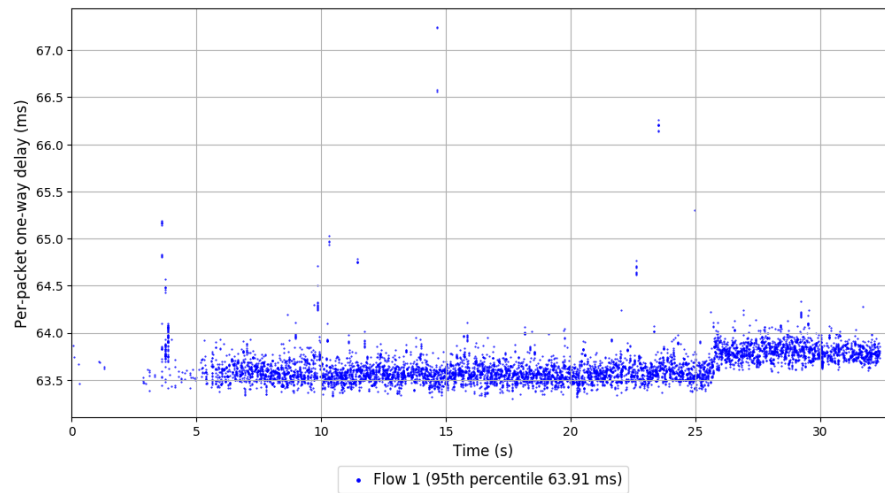
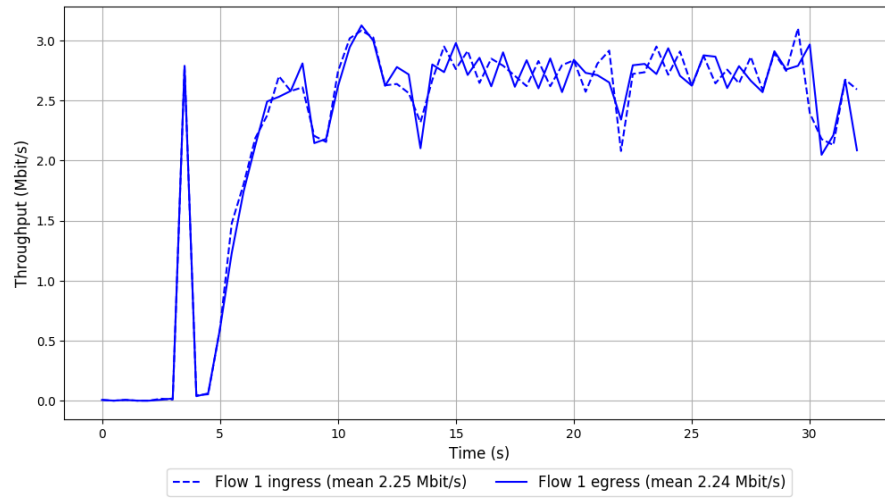
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.907 ms

Loss rate: 0.49%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-31 01:58:46

End at: 2018-01-31 01:59:16

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.705 ms

Loss rate: 0.61%

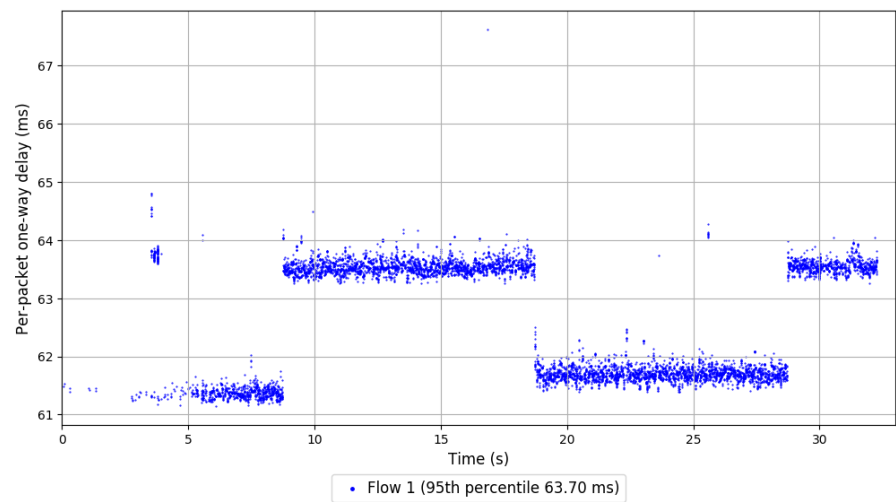
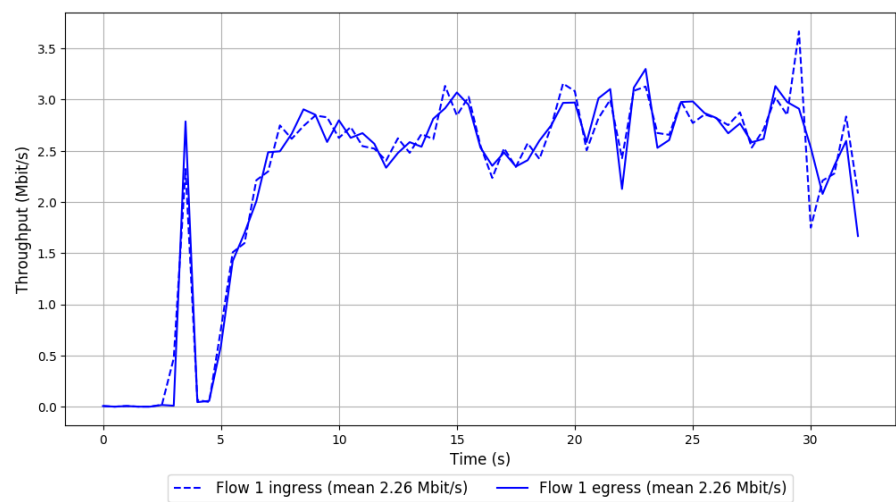
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.705 ms

Loss rate: 0.61%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-31 02:11:58

End at: 2018-01-31 02:12:28

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.888 ms

Loss rate: 0.52%

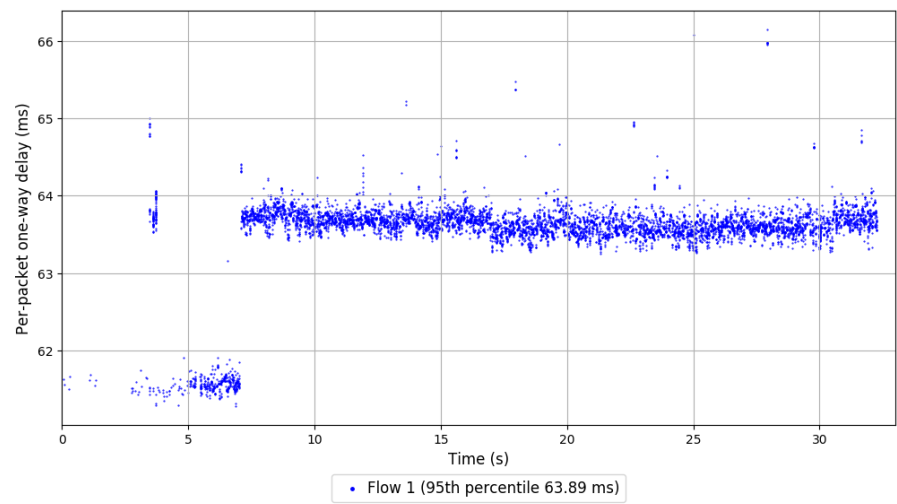
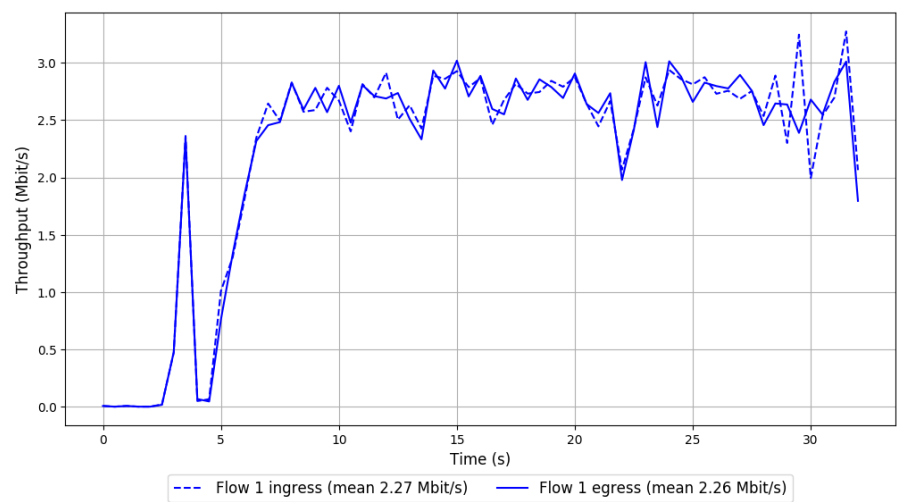
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.888 ms

Loss rate: 0.52%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-31 02:25:09

End at: 2018-01-31 02:25:39

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 64.166 ms

Loss rate: 0.52%

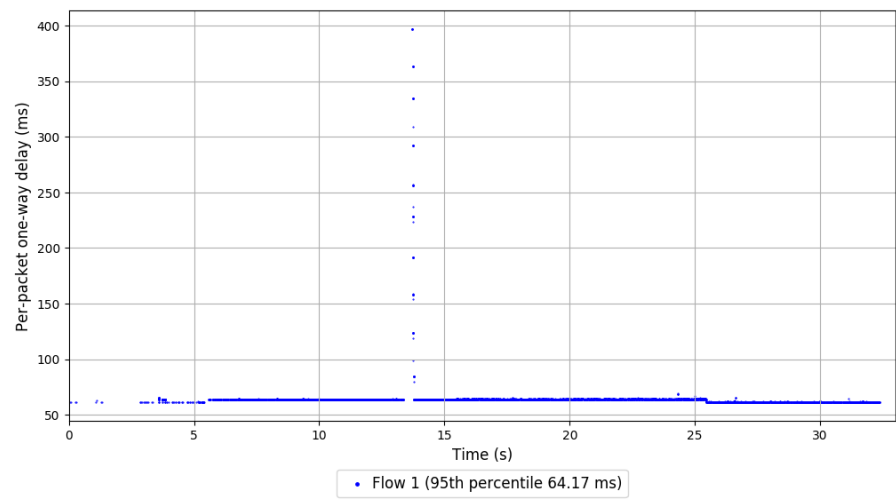
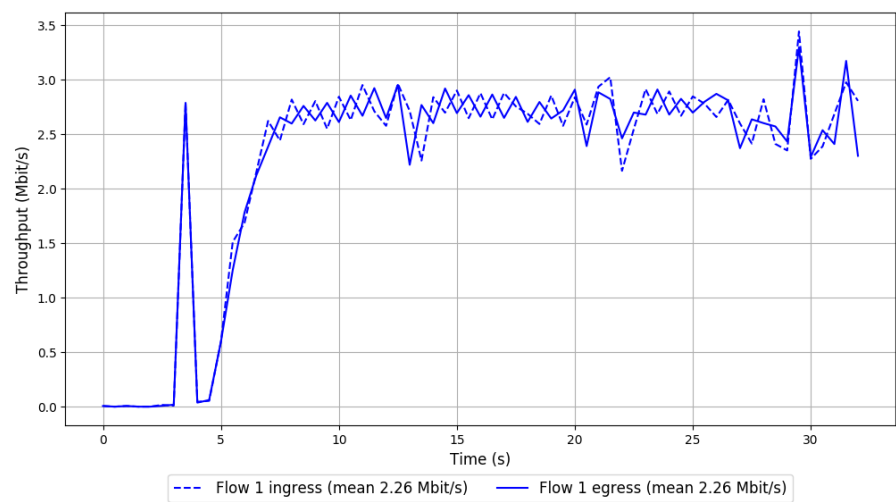
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 64.166 ms

Loss rate: 0.52%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-31 02:38:35

End at: 2018-01-31 02:39:05

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

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

Loss rate: 0.47%

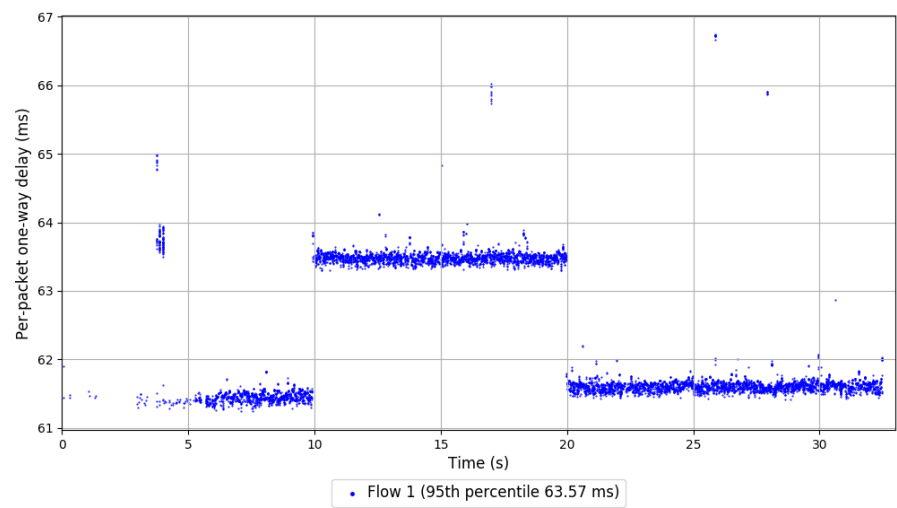
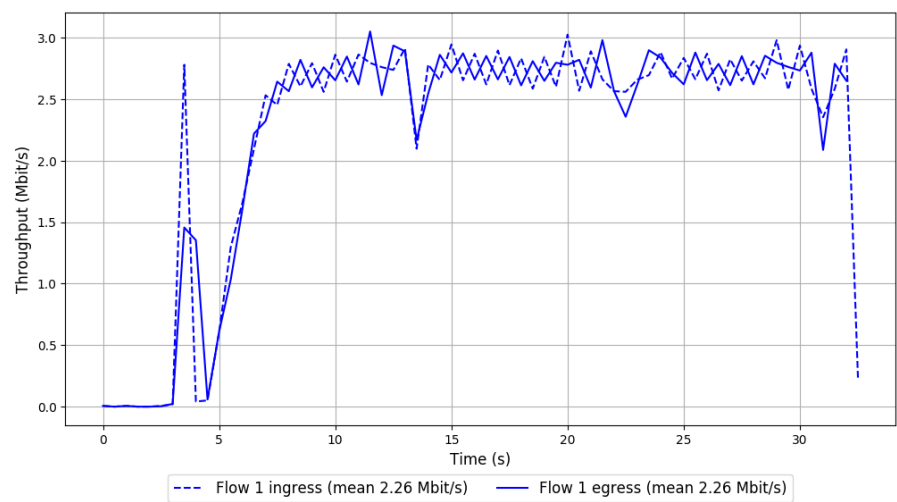
-- Flow 1:

Average throughput: 2.26 Mbit/s

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

Loss rate: 0.47%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-31 02:52:23

End at: 2018-01-31 02:52:53

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.953 ms

Loss rate: 0.60%

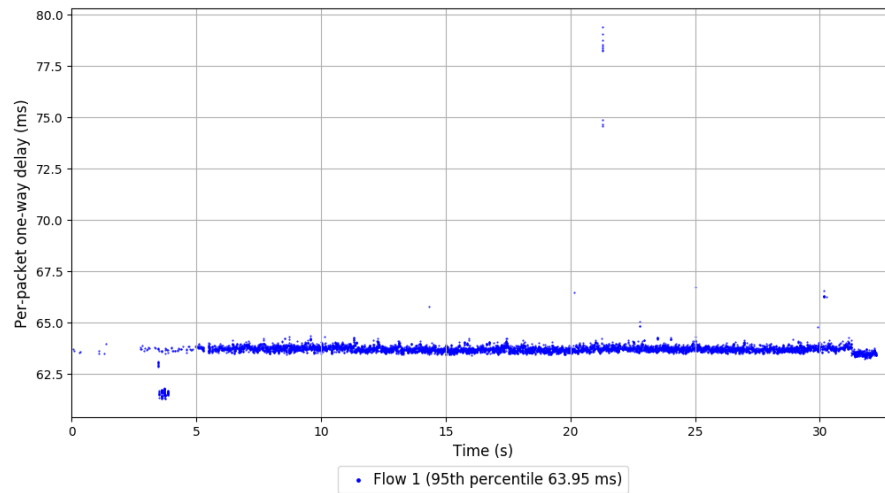
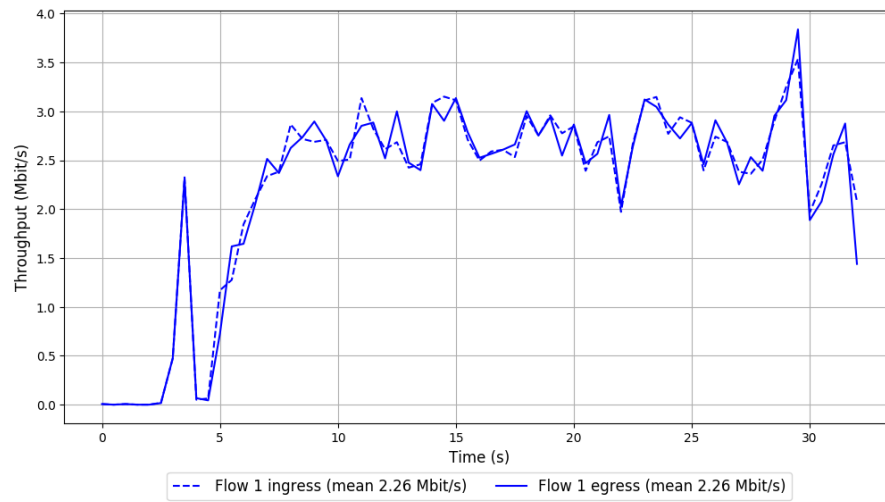
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.953 ms

Loss rate: 0.60%

Run 10: Report of WebRTC media — Data Link

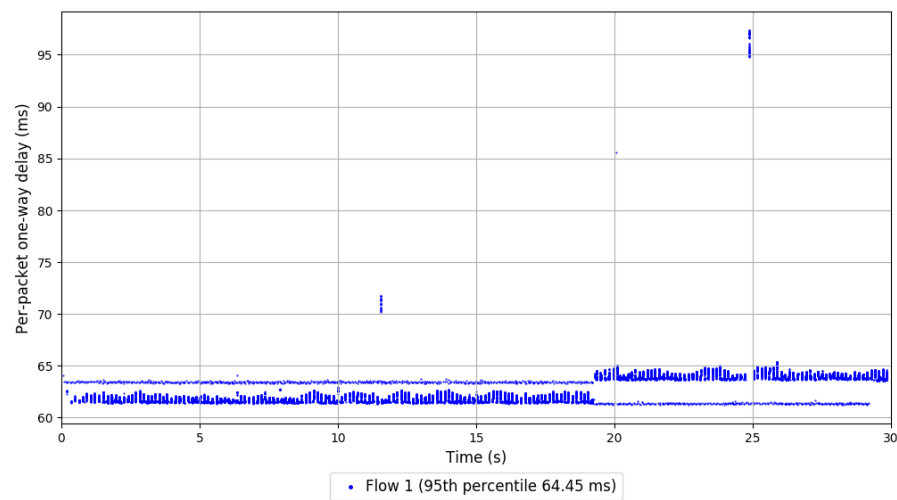
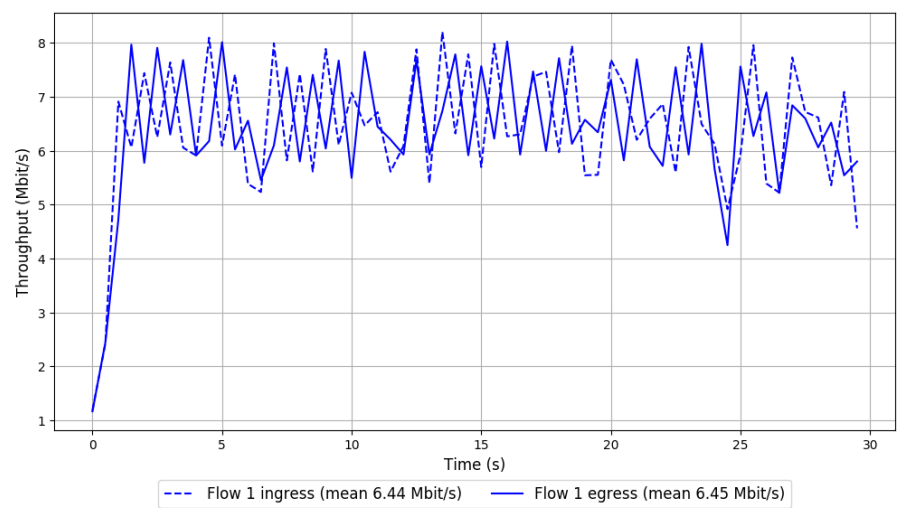


```
Run 1: Statistics of Sprout

Start at: 2018-01-31 00:48:23
End at: 2018-01-31 00:48:53

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 64.455 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 64.455 ms
Loss rate: 0.18%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

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

End at: 2018-01-31 01:02:25

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 64.479 ms

Loss rate: 0.49%

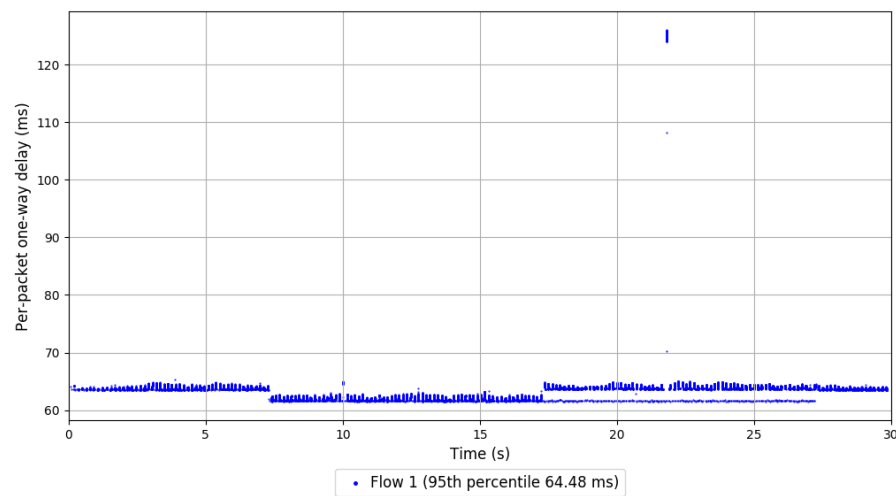
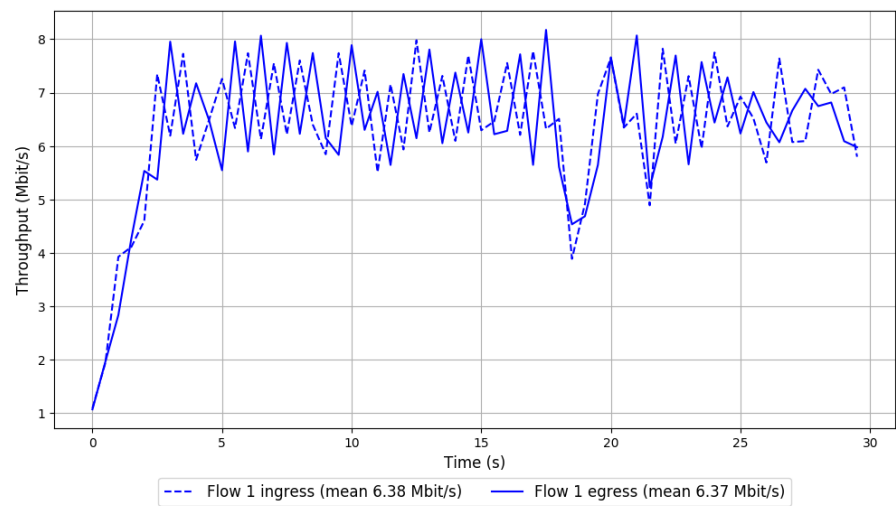
-- Flow 1:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 64.479 ms

Loss rate: 0.49%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-31 01:15:50

End at: 2018-01-31 01:16:20

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 64.680 ms

Loss rate: 0.58%

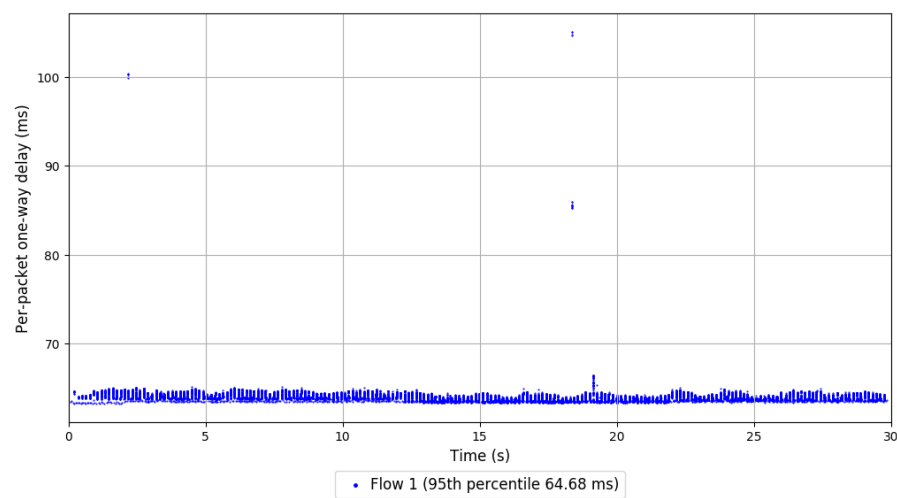
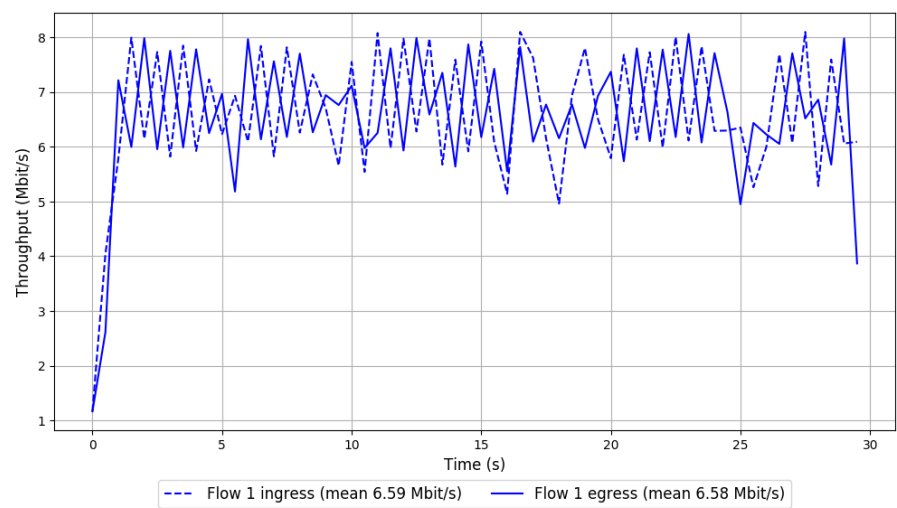
-- Flow 1:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 64.680 ms

Loss rate: 0.58%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-31 01:29:38

End at: 2018-01-31 01:30:08

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 63.924 ms

Loss rate: 0.65%

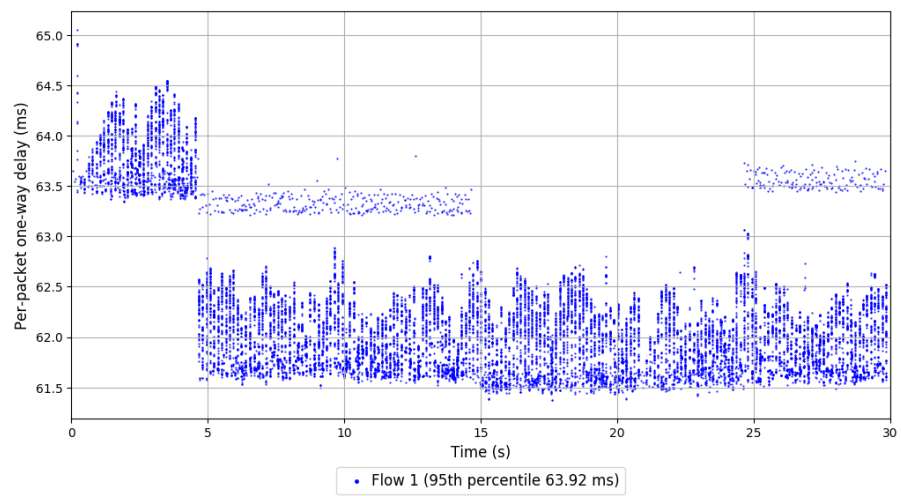
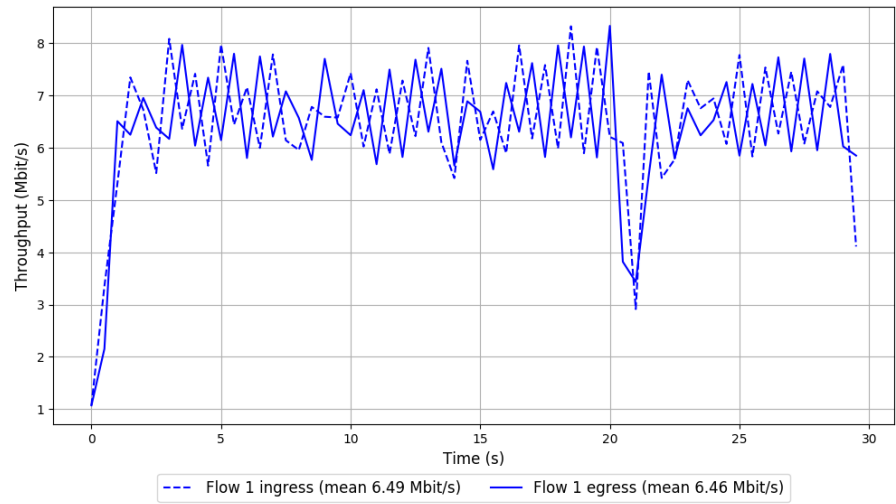
-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 63.924 ms

Loss rate: 0.65%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-31 01:43:06

End at: 2018-01-31 01:43:36

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 64.594 ms

Loss rate: 1.12%

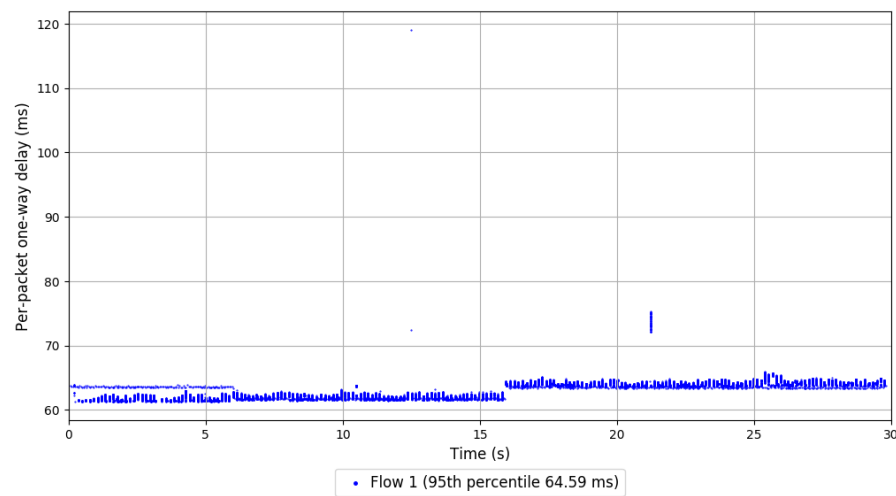
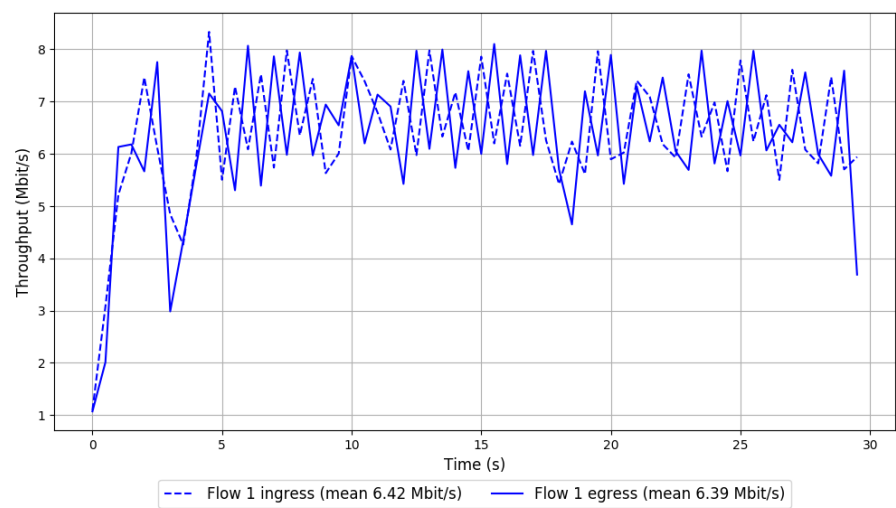
-- Flow 1:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 64.594 ms

Loss rate: 1.12%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-31 01:56:36

End at: 2018-01-31 01:57:06

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.741 ms

Loss rate: 0.12%

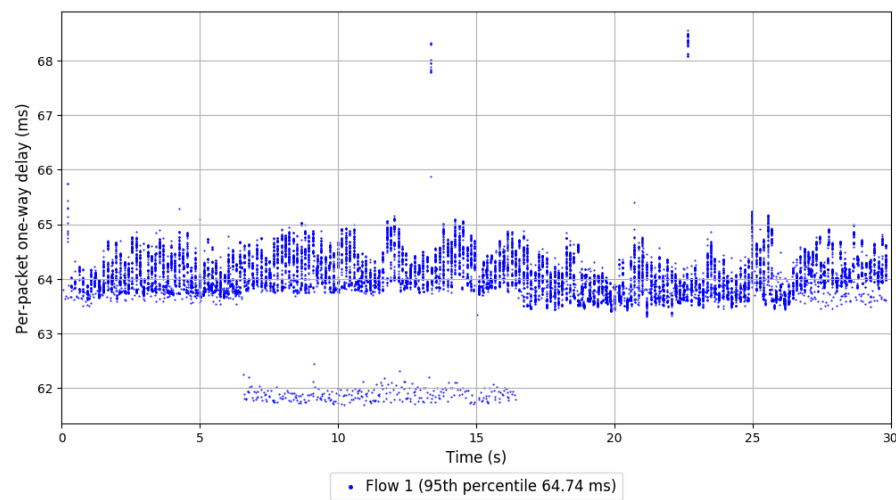
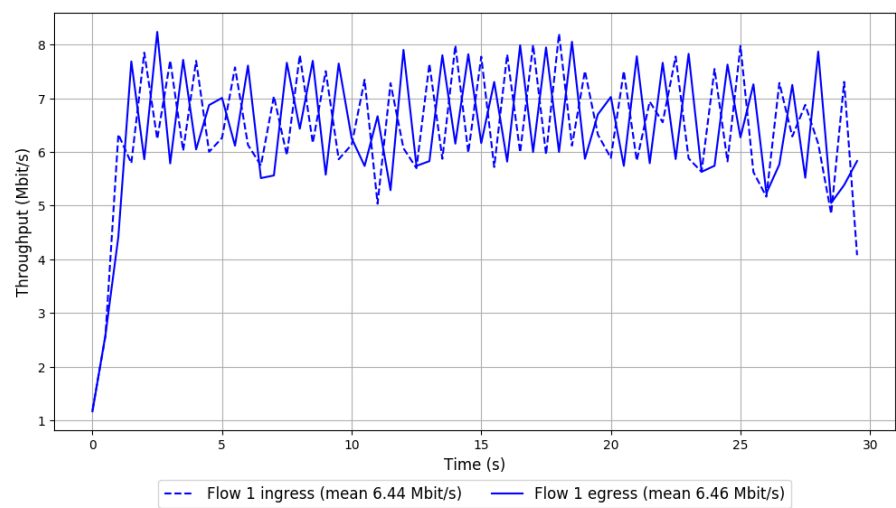
-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.741 ms

Loss rate: 0.12%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-31 02:09:47

End at: 2018-01-31 02:10:17

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 64.609 ms

Loss rate: 1.47%

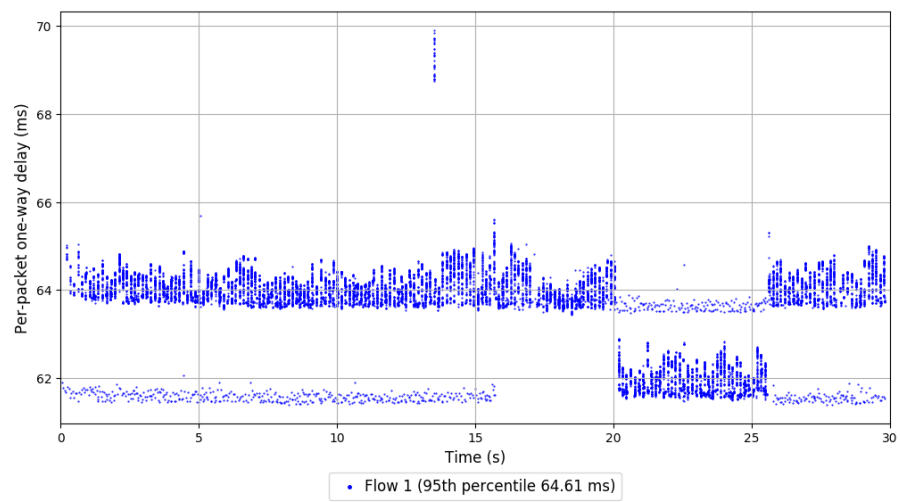
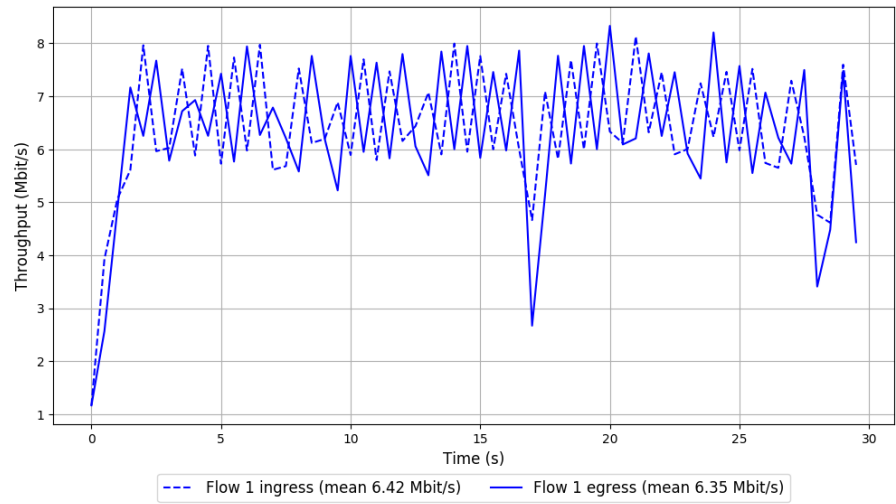
-- Flow 1:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 64.609 ms

Loss rate: 1.47%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-31 02:23:00

End at: 2018-01-31 02:23:30

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 64.489 ms

Loss rate: 0.47%

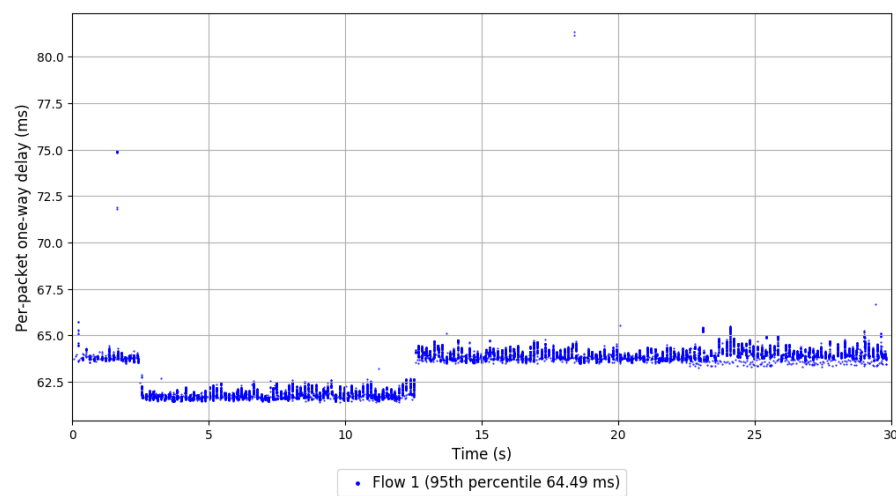
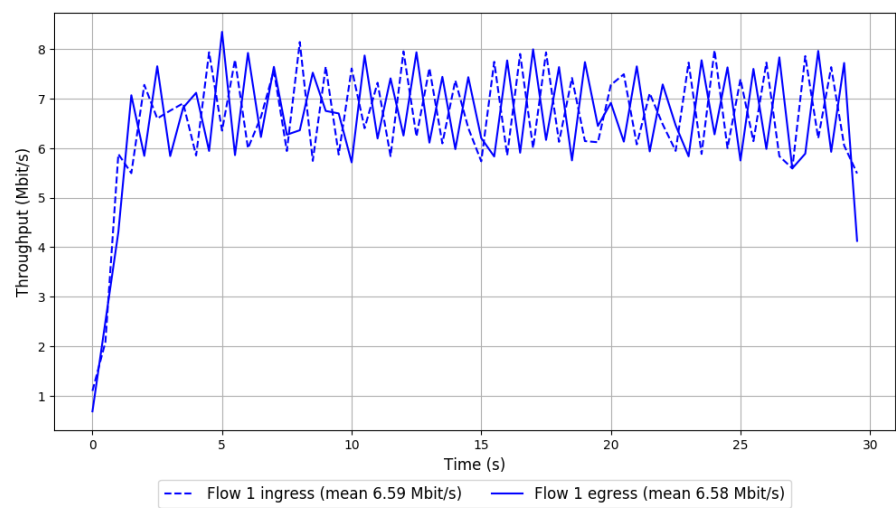
-- Flow 1:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 64.489 ms

Loss rate: 0.47%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-31 02:36:26

End at: 2018-01-31 02:36:56

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 64.248 ms

Loss rate: 1.32%

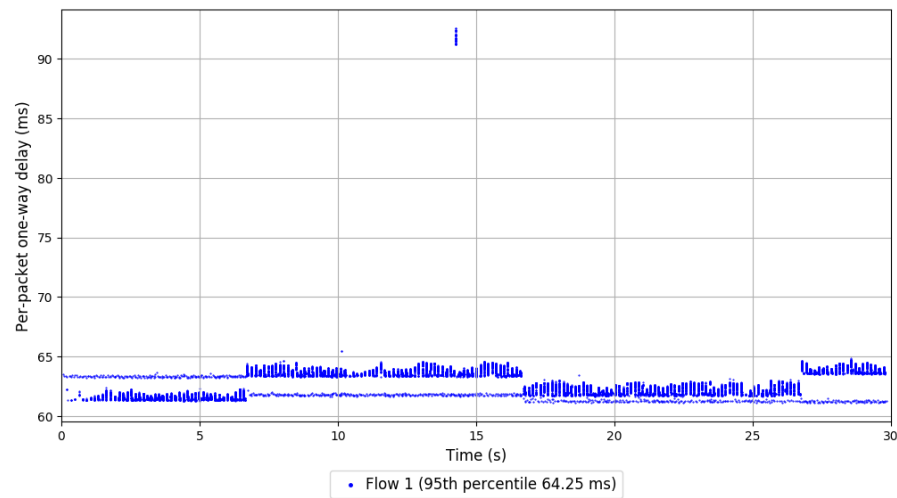
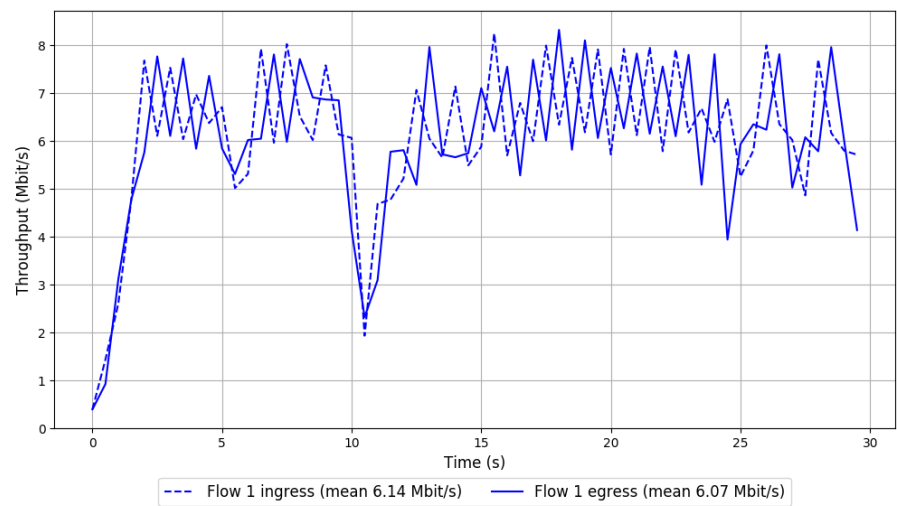
-- Flow 1:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 64.248 ms

Loss rate: 1.32%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-31 02:50:15

End at: 2018-01-31 02:50:45

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.40 Mbit/s

95th percentile per-packet one-way delay: 64.551 ms

Loss rate: 0.80%

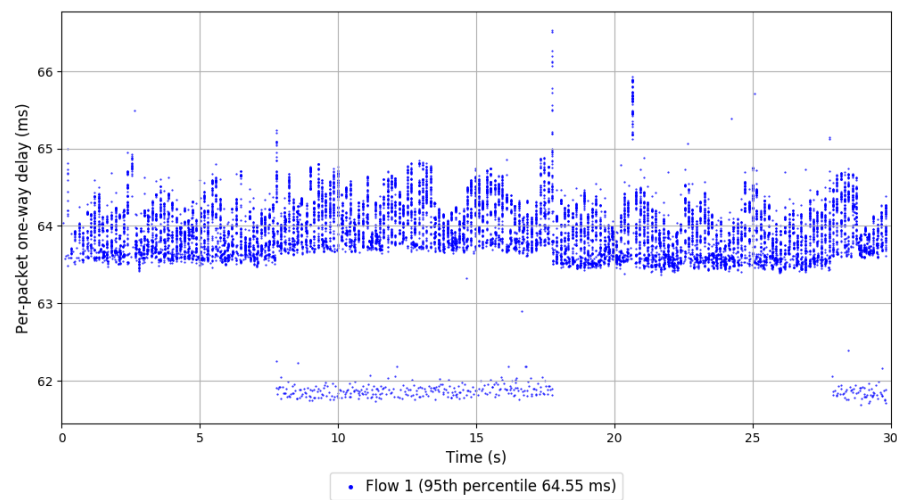
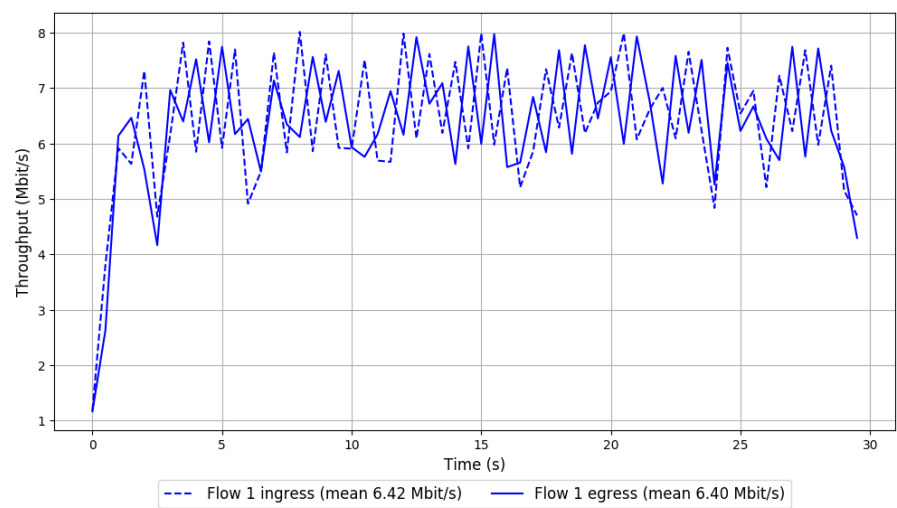
-- Flow 1:

Average throughput: 6.40 Mbit/s

95th percentile per-packet one-way delay: 64.551 ms

Loss rate: 0.80%

Run 10: Report of Sprout — Data Link

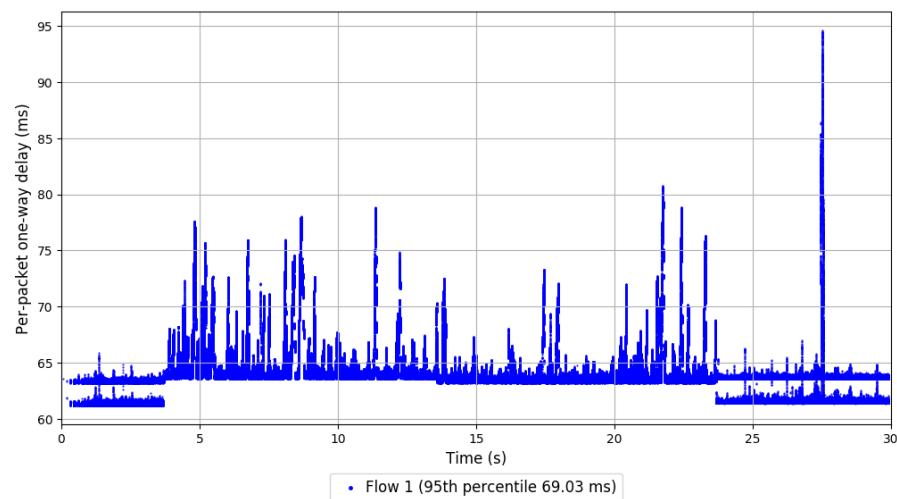
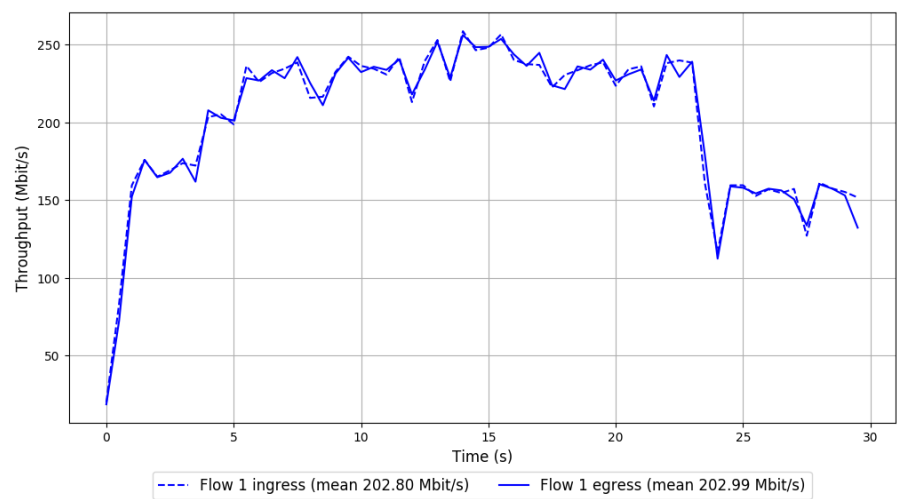


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-31 00:44:59
End at: 2018-01-31 00:45:29

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.99 Mbit/s
95th percentile per-packet one-way delay: 69.030 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 202.99 Mbit/s
95th percentile per-packet one-way delay: 69.030 ms
Loss rate: 0.32%
```


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

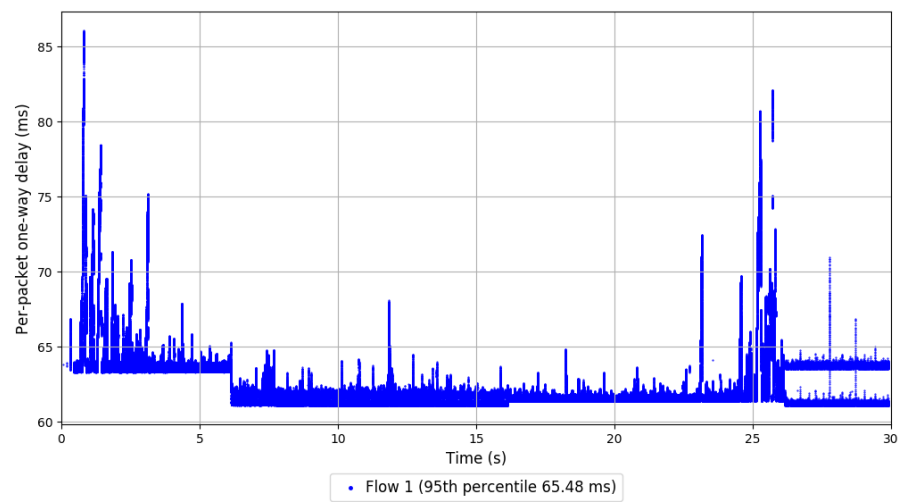
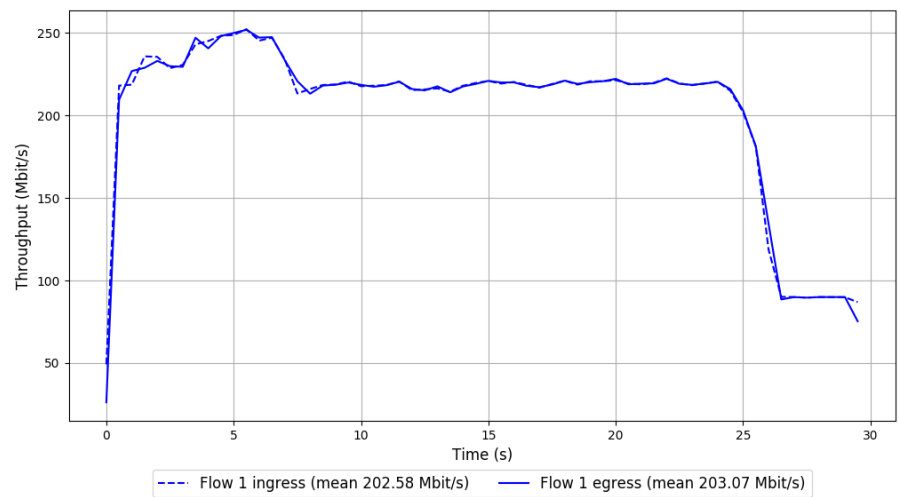


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-31 00:58:36
End at: 2018-01-31 00:59:06

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.07 Mbit/s
95th percentile per-packet one-way delay: 65.477 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 203.07 Mbit/s
95th percentile per-packet one-way delay: 65.477 ms
Loss rate: 0.19%
```

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

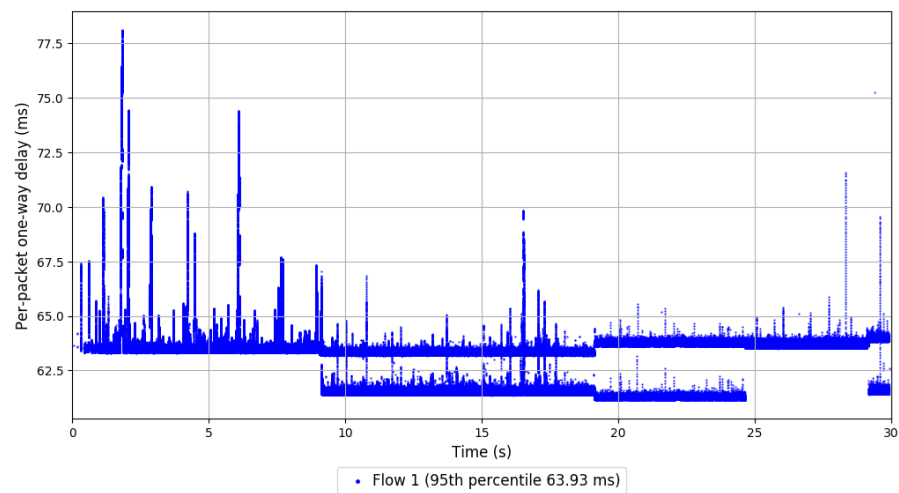
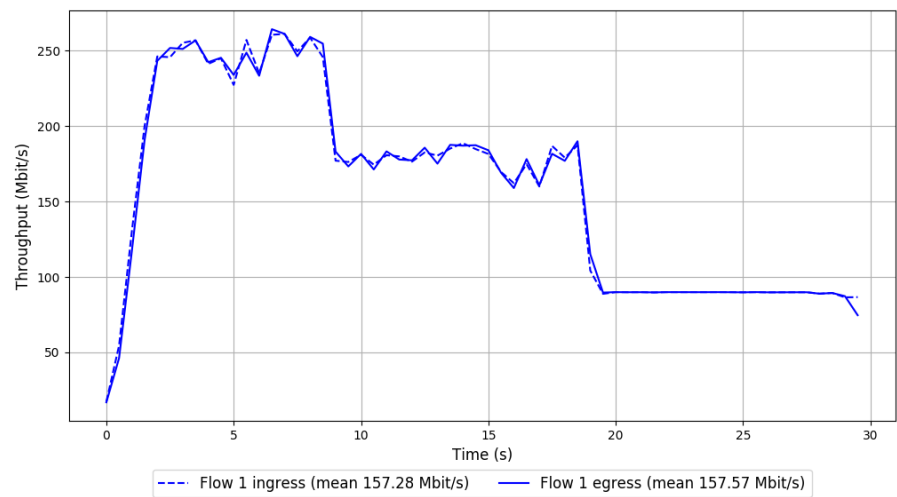


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-31 01:12:33
End at: 2018-01-31 01:13:03

# Below is generated by plot.py at 2018-01-31 05:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.57 Mbit/s
95th percentile per-packet one-way delay: 63.933 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 157.57 Mbit/s
95th percentile per-packet one-way delay: 63.933 ms
Loss rate: 0.24%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-31 01:26:21

End at: 2018-01-31 01:26:51

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.98 Mbit/s

95th percentile per-packet one-way delay: 63.424 ms

Loss rate: 0.23%

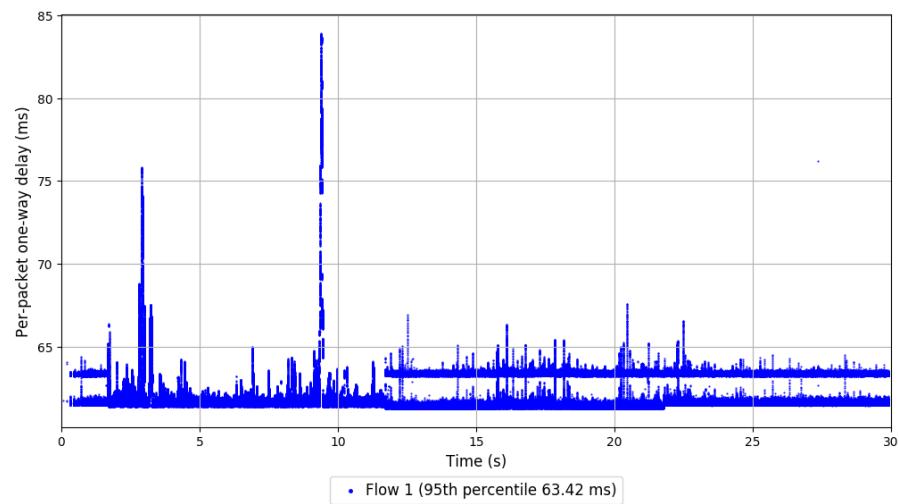
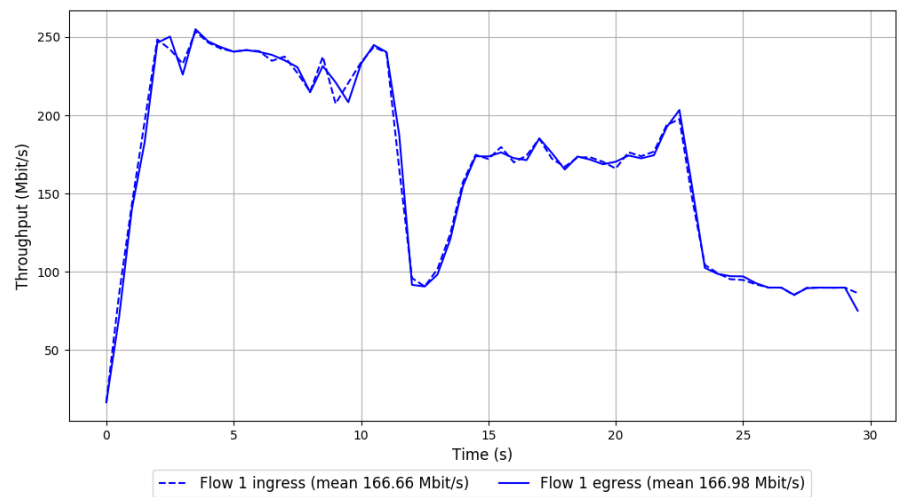
-- Flow 1:

Average throughput: 166.98 Mbit/s

95th percentile per-packet one-way delay: 63.424 ms

Loss rate: 0.23%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-31 01:39:51

End at: 2018-01-31 01:40:21

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.44 Mbit/s

95th percentile per-packet one-way delay: 63.876 ms

Loss rate: 0.27%

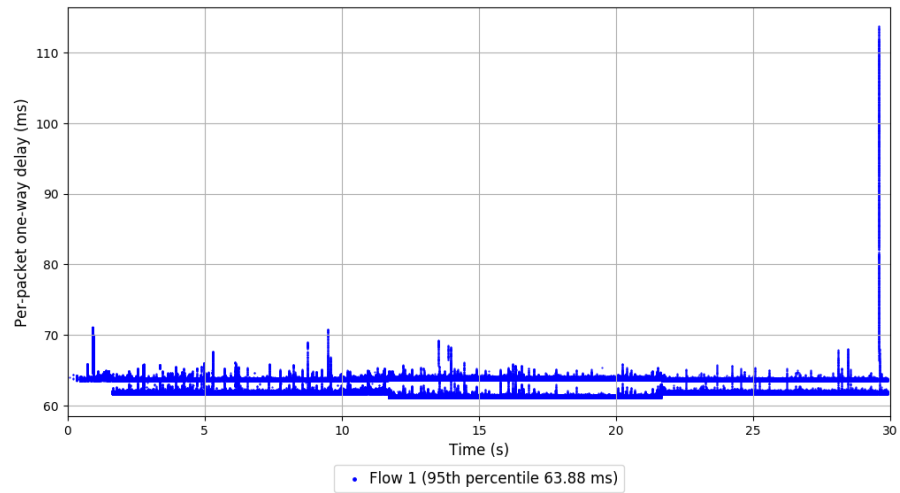
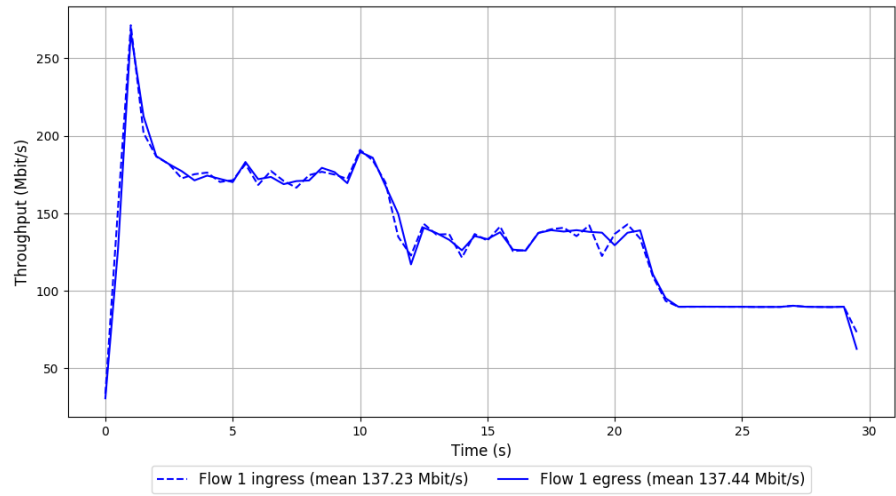
-- Flow 1:

Average throughput: 137.44 Mbit/s

95th percentile per-packet one-way delay: 63.876 ms

Loss rate: 0.27%

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



Run 6: Statistics of TaoVA-100x

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

End at: 2018-01-31 01:53:47

Below is generated by plot.py at 2018-01-31 05:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.01 Mbit/s

95th percentile per-packet one-way delay: 71.590 ms

Loss rate: 0.64%

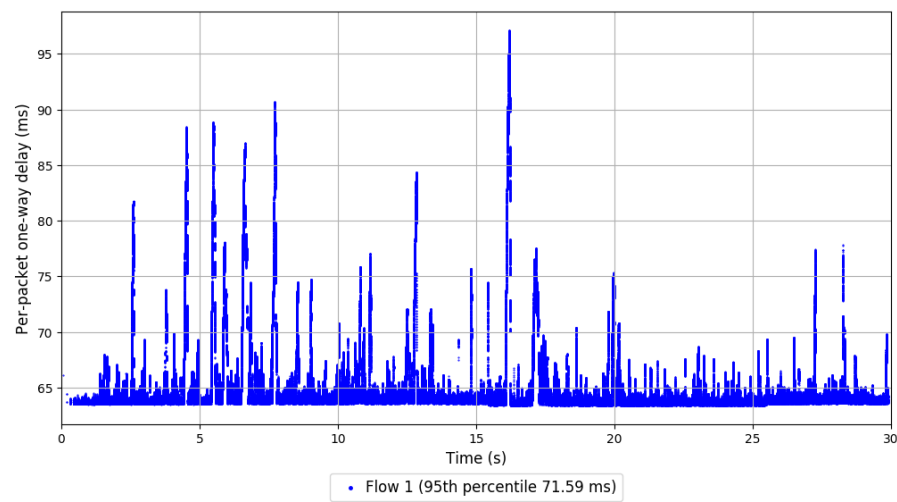
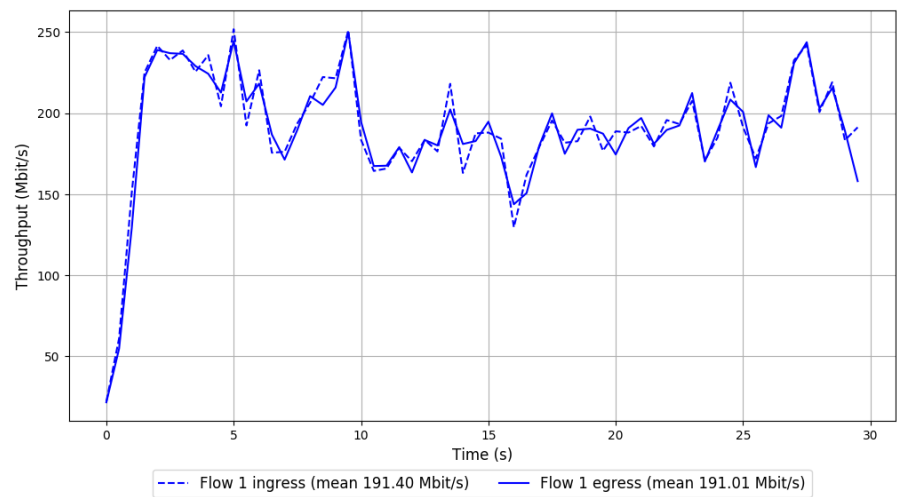
-- Flow 1:

Average throughput: 191.01 Mbit/s

95th percentile per-packet one-way delay: 71.590 ms

Loss rate: 0.64%

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



Run 7: Statistics of TaoVA-100x

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

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

Below is generated by plot.py at 2018-01-31 05:47:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.53 Mbit/s

95th percentile per-packet one-way delay: 65.264 ms

Loss rate: 0.31%

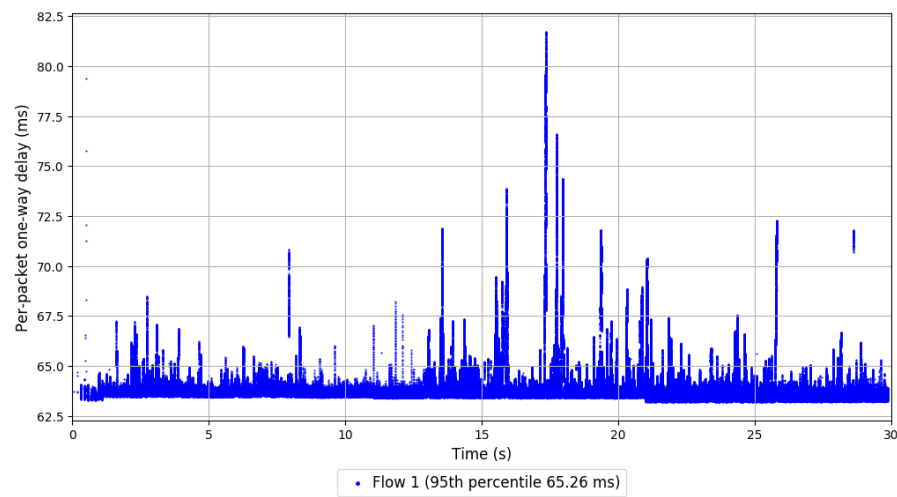
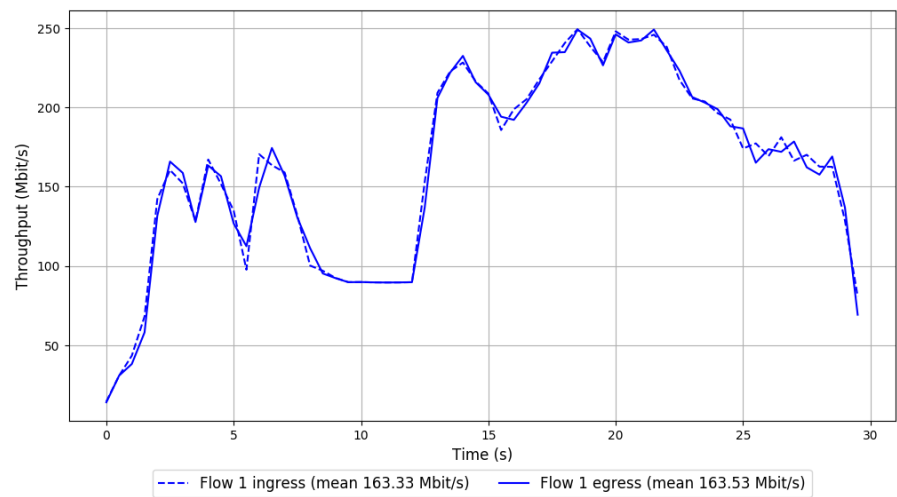
-- Flow 1:

Average throughput: 163.53 Mbit/s

95th percentile per-packet one-way delay: 65.264 ms

Loss rate: 0.31%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-31 02:19:47

End at: 2018-01-31 02:20:17

Below is generated by plot.py at 2018-01-31 05:47:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.07 Mbit/s

95th percentile per-packet one-way delay: 63.990 ms

Loss rate: 0.36%

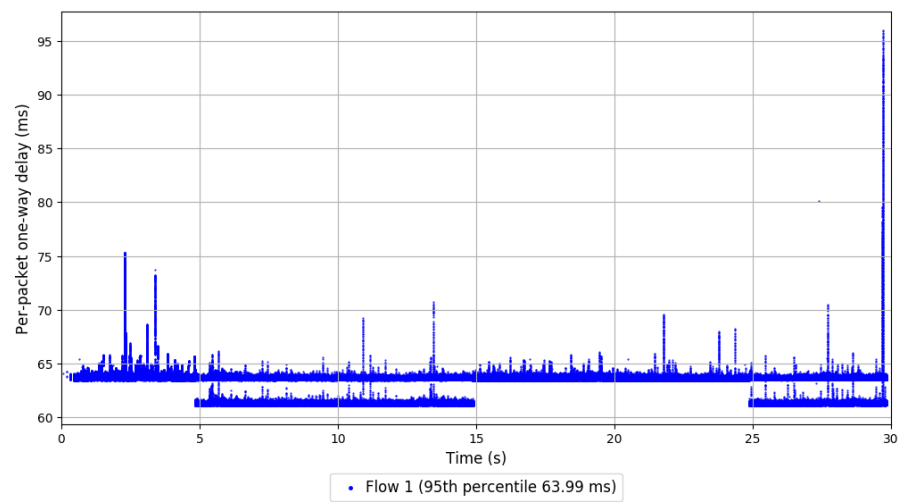
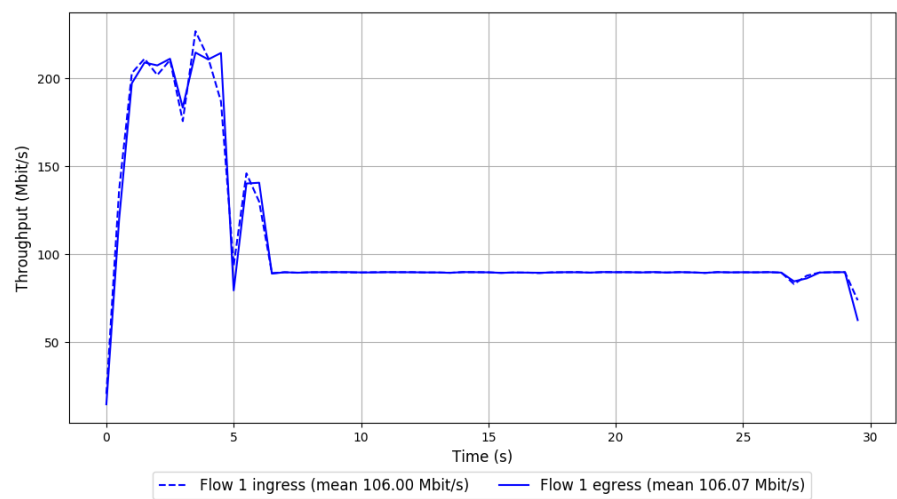
-- Flow 1:

Average throughput: 106.07 Mbit/s

95th percentile per-packet one-way delay: 63.990 ms

Loss rate: 0.36%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-31 02:33:11

End at: 2018-01-31 02:33:41

Below is generated by plot.py at 2018-01-31 05:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.93 Mbit/s

95th percentile per-packet one-way delay: 66.413 ms

Loss rate: 0.24%

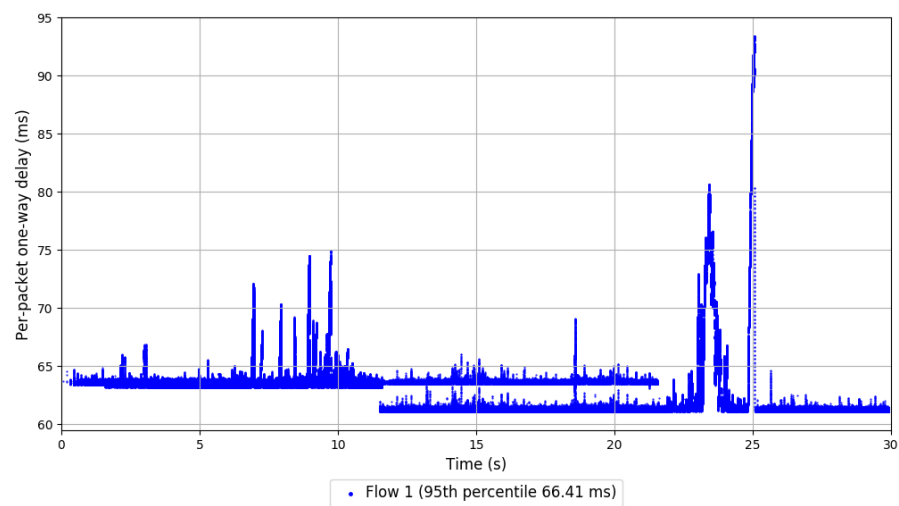
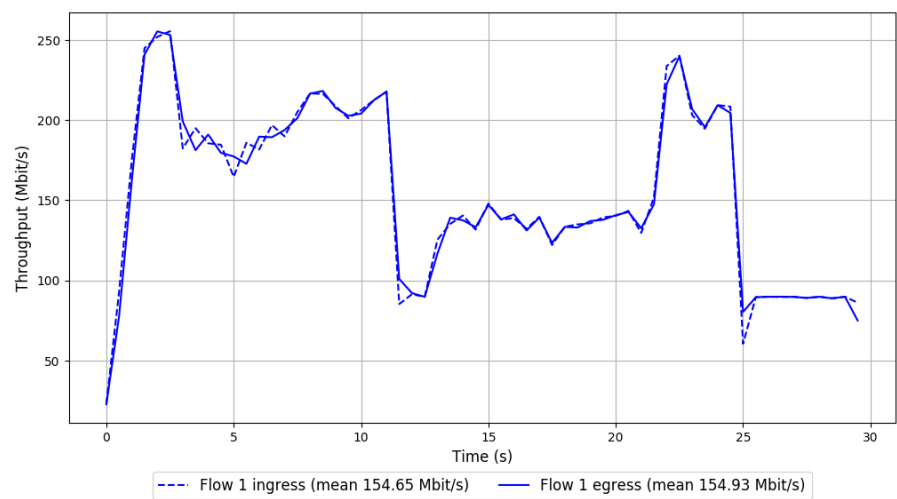
-- Flow 1:

Average throughput: 154.93 Mbit/s

95th percentile per-packet one-way delay: 66.413 ms

Loss rate: 0.24%

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

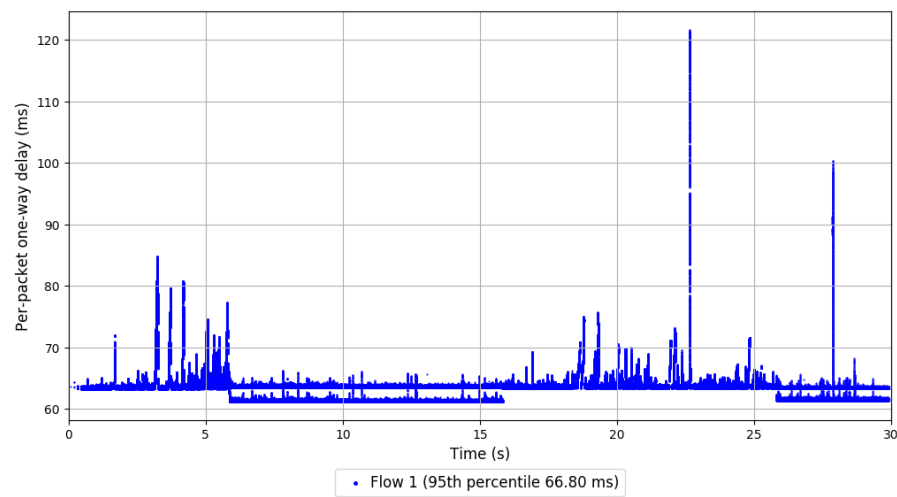
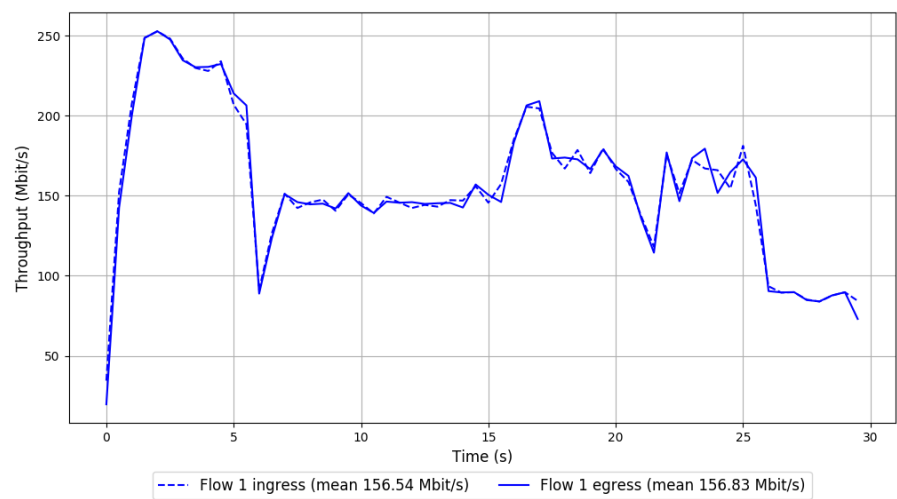


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-31 02:46:57
End at: 2018-01-31 02:47:27

# Below is generated by plot.py at 2018-01-31 05:48:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 156.83 Mbit/s
95th percentile per-packet one-way delay: 66.804 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 156.83 Mbit/s
95th percentile per-packet one-way delay: 66.804 ms
Loss rate: 0.24%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-31 00:45:55

End at: 2018-01-31 00:46:25

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.37 Mbit/s

95th percentile per-packet one-way delay: 65.187 ms

Loss rate: 0.19%

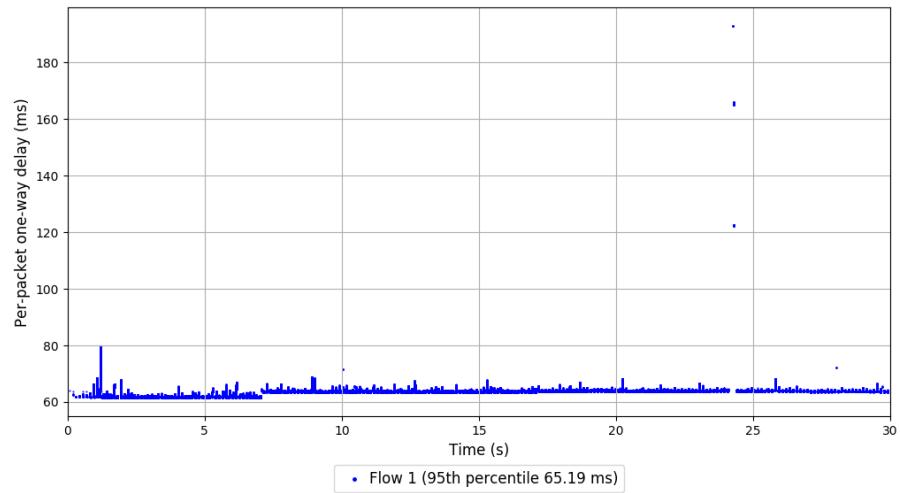
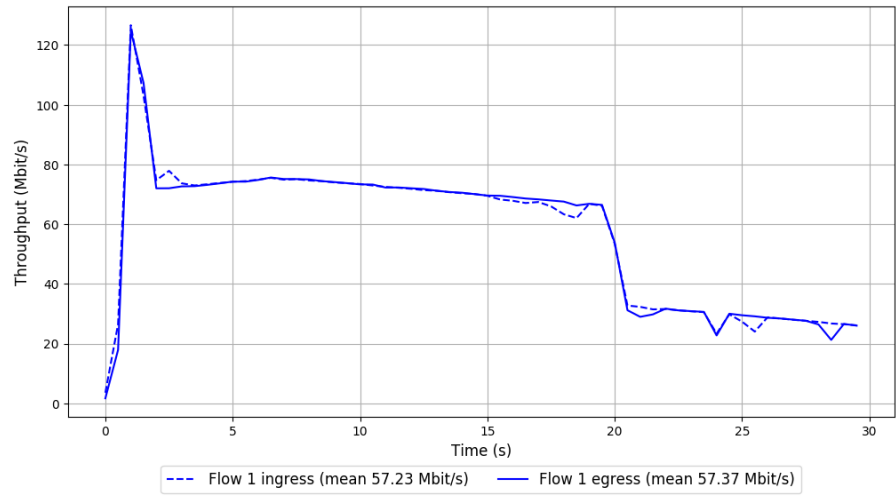
-- Flow 1:

Average throughput: 57.37 Mbit/s

95th percentile per-packet one-way delay: 65.187 ms

Loss rate: 0.19%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-31 00:59:32

End at: 2018-01-31 01:00:02

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 70.670 ms

Loss rate: 0.21%

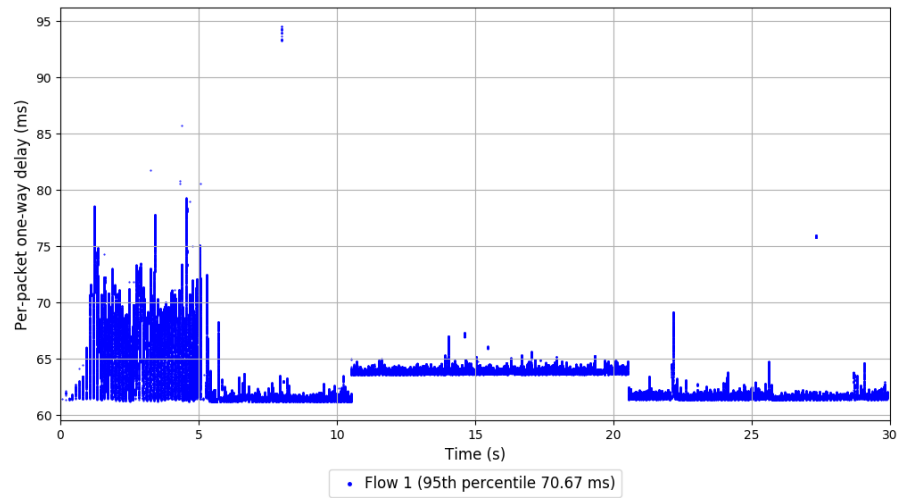
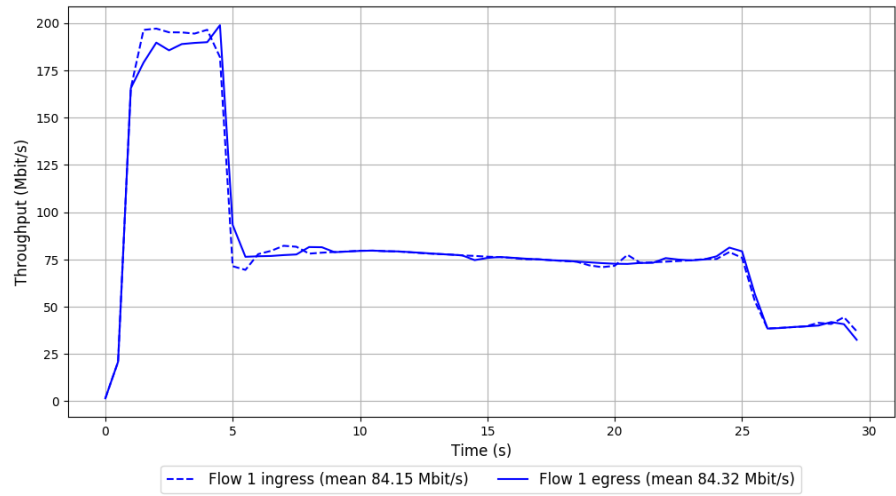
-- Flow 1:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 70.670 ms

Loss rate: 0.21%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-31 01:13:25

End at: 2018-01-31 01:13:55

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 76.515 ms

Loss rate: 0.26%

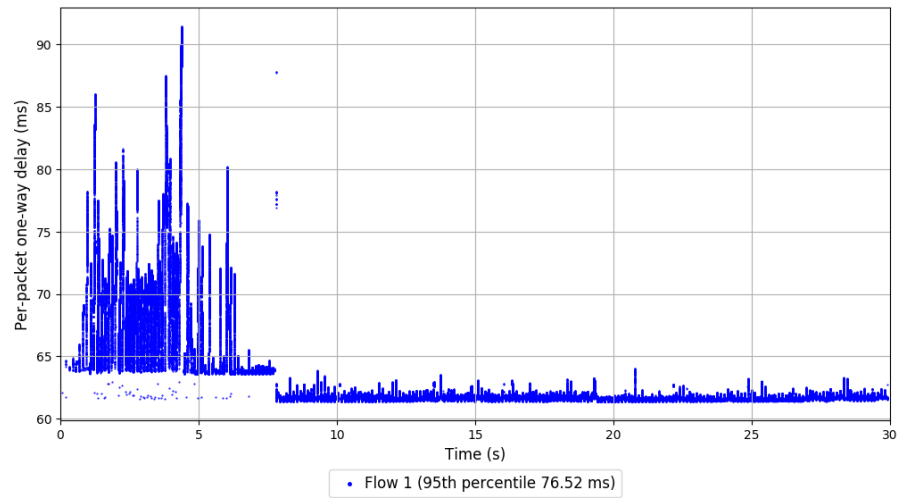
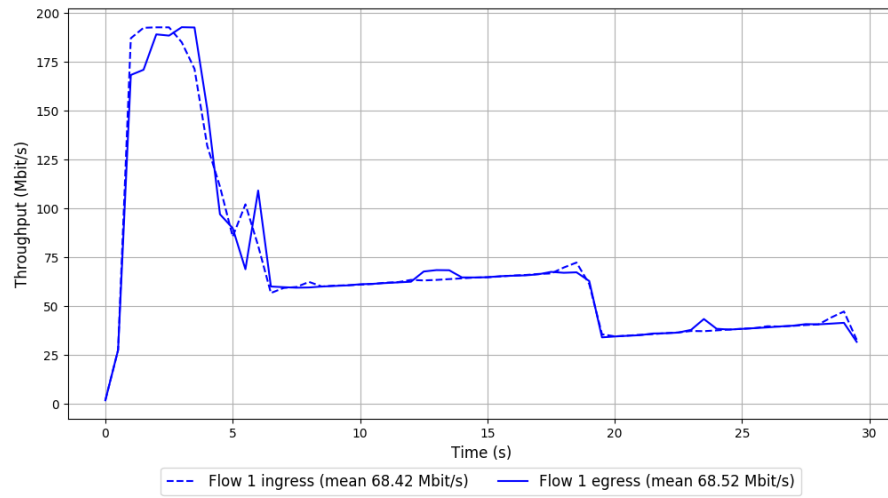
-- Flow 1:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 76.515 ms

Loss rate: 0.26%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-31 01:27:13

End at: 2018-01-31 01:27:43

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.63 Mbit/s

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

Loss rate: 0.59%

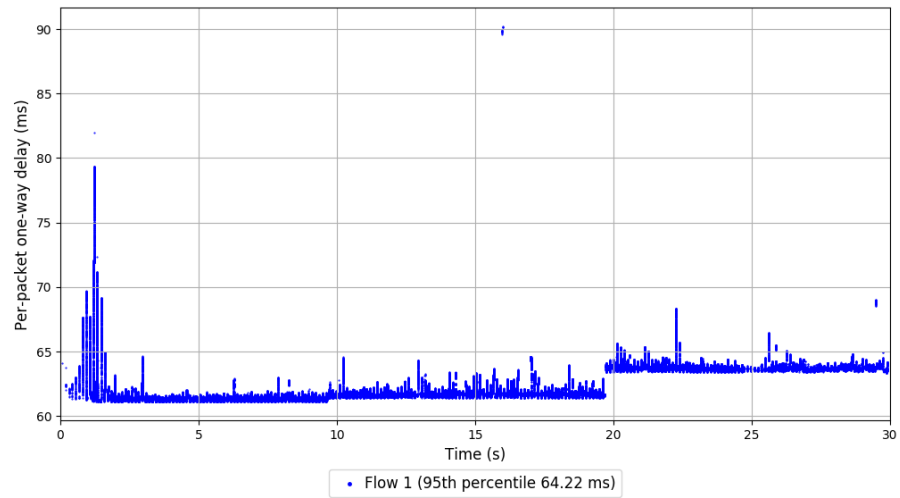
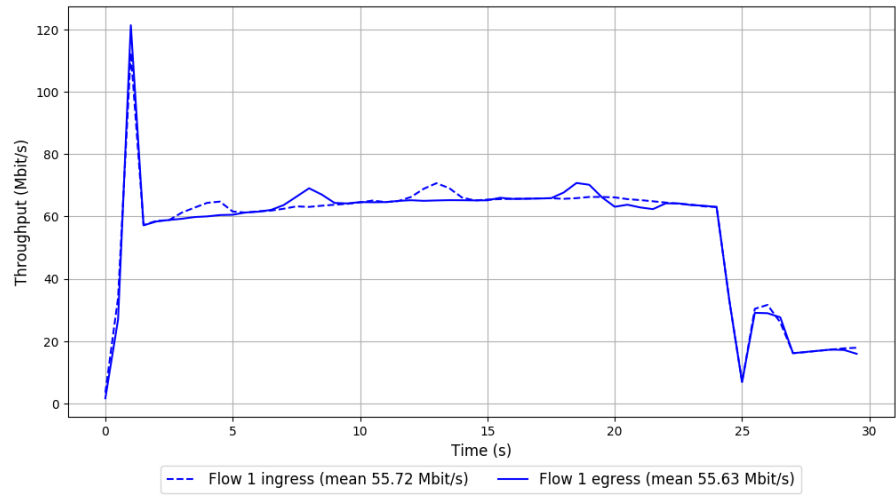
-- Flow 1:

Average throughput: 55.63 Mbit/s

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

Loss rate: 0.59%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

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

End at: 2018-01-31 01:41:10

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.29 Mbit/s

95th percentile per-packet one-way delay: 70.555 ms

Loss rate: 0.33%

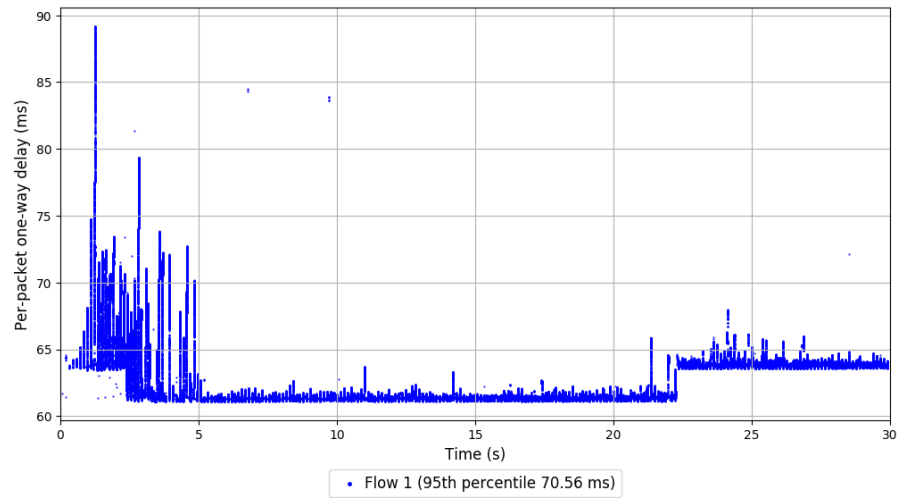
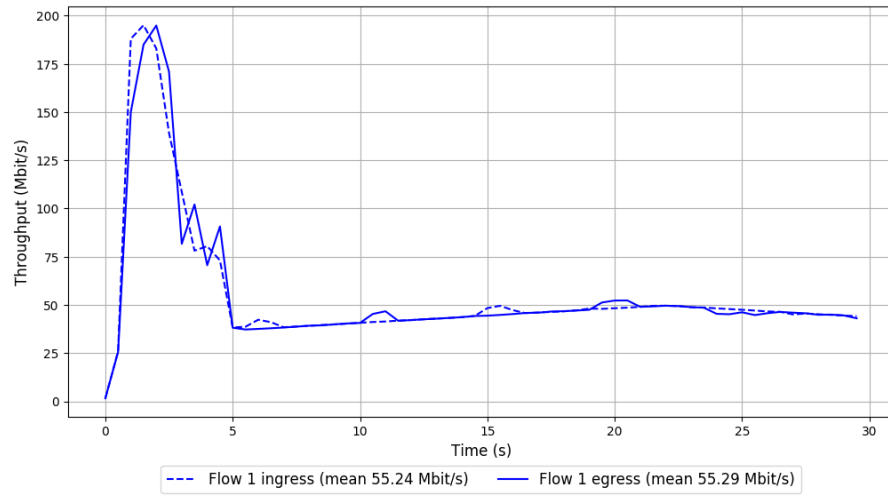
-- Flow 1:

Average throughput: 55.29 Mbit/s

95th percentile per-packet one-way delay: 70.555 ms

Loss rate: 0.33%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

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

End at: 2018-01-31 01:54:42

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.82 Mbit/s

95th percentile per-packet one-way delay: 64.749 ms

Loss rate: 0.32%

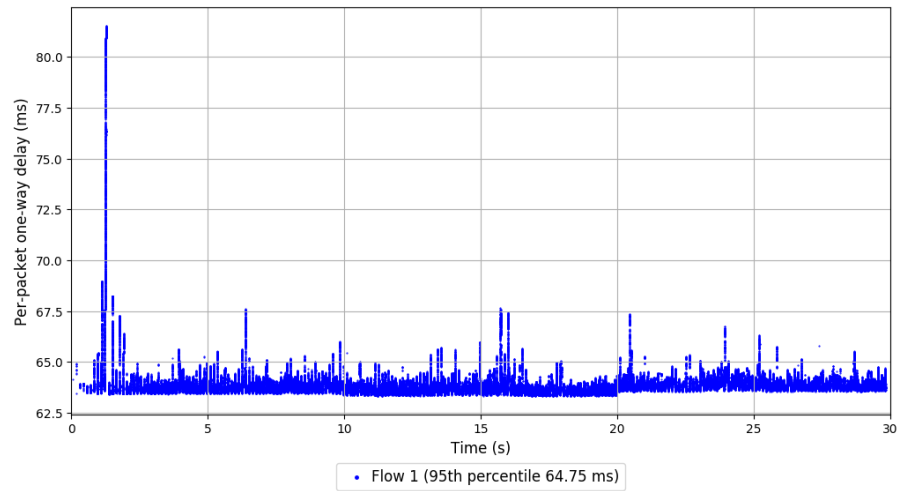
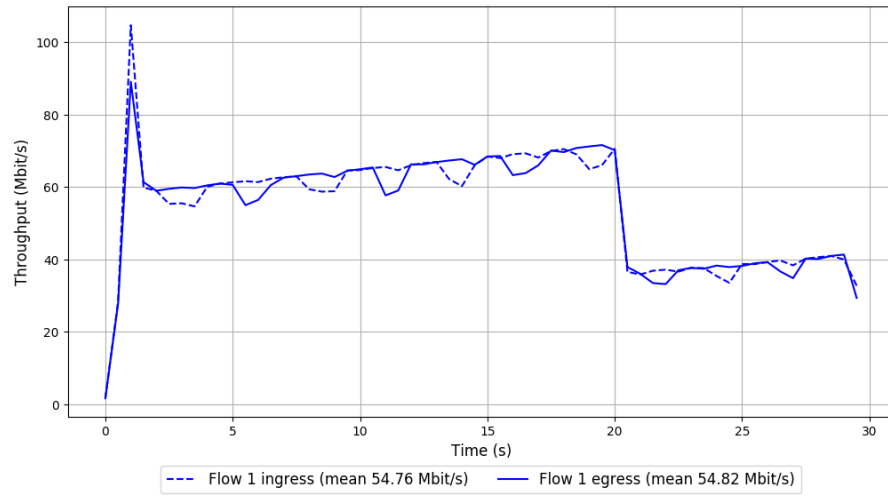
-- Flow 1:

Average throughput: 54.82 Mbit/s

95th percentile per-packet one-way delay: 64.749 ms

Loss rate: 0.32%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-31 02:07:25

End at: 2018-01-31 02:07:55

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 64.448 ms

Loss rate: 0.29%

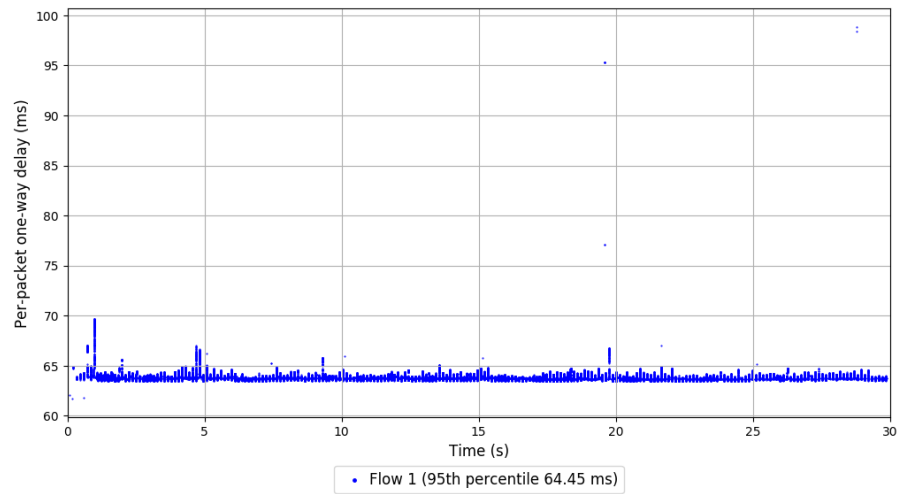
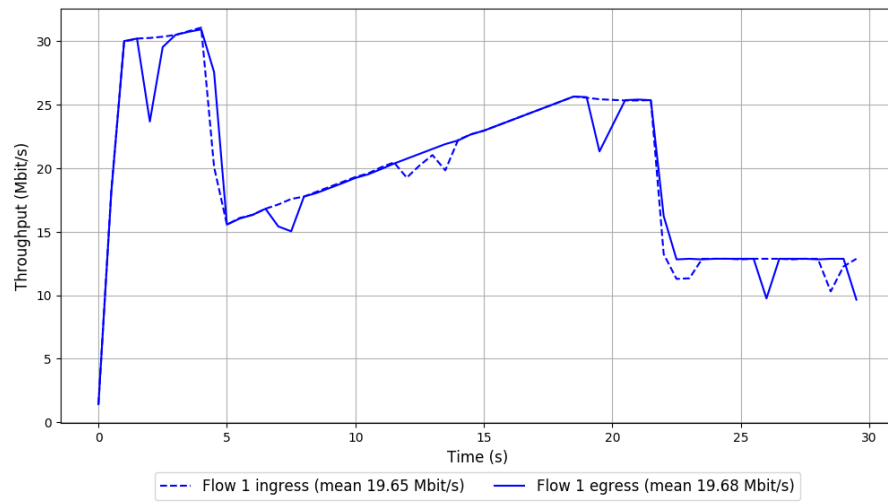
-- Flow 1:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 64.448 ms

Loss rate: 0.29%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-31 02:20:35

End at: 2018-01-31 02:21:05

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 64.222 ms

Loss rate: 0.45%

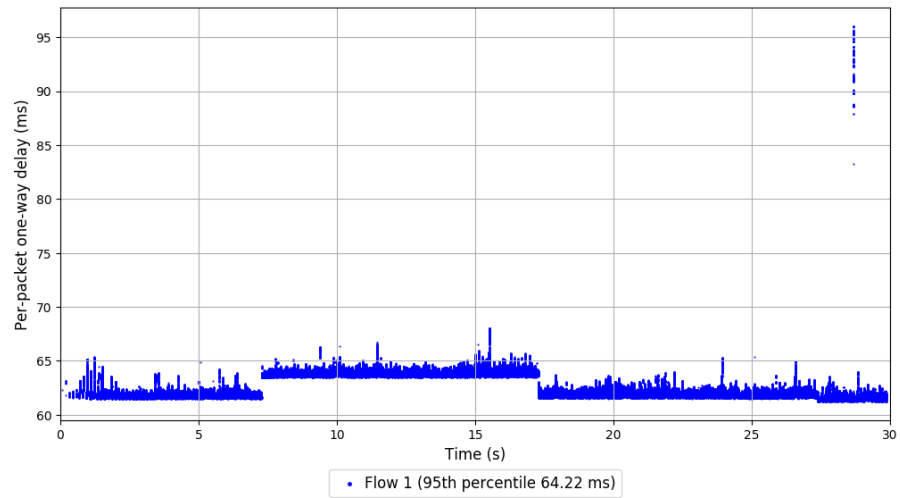
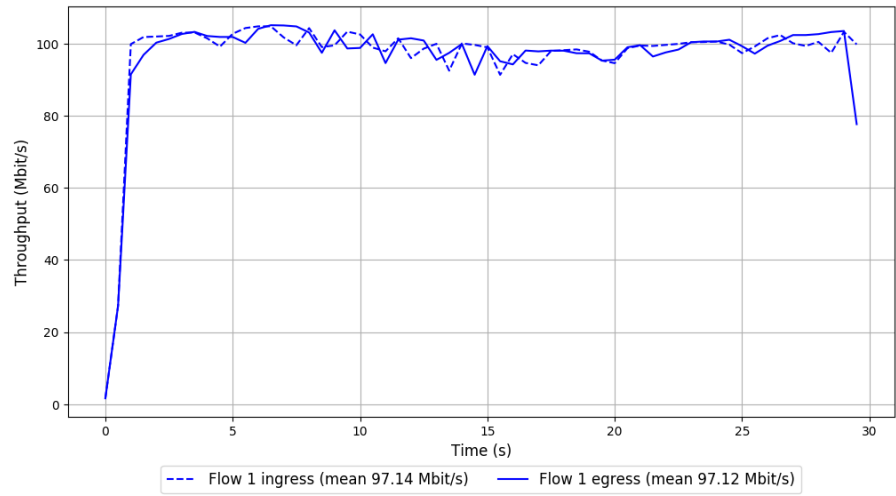
-- Flow 1:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 64.222 ms

Loss rate: 0.45%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-31 02:34:02

End at: 2018-01-31 02:34:32

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 64.622 ms

Loss rate: 1.26%

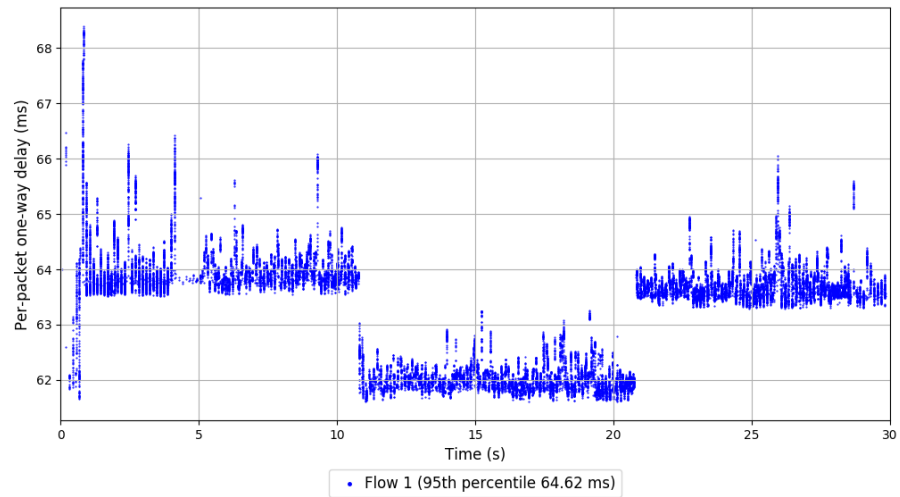
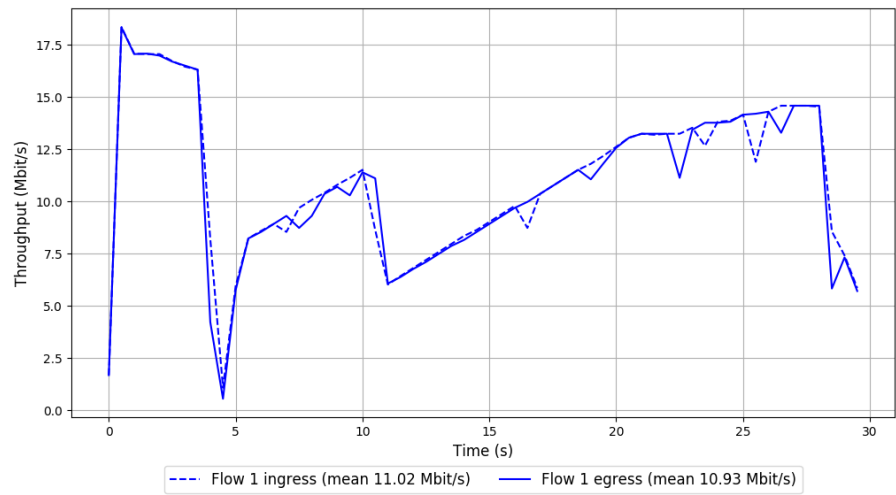
-- Flow 1:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 64.622 ms

Loss rate: 1.26%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-31 02:47:47

End at: 2018-01-31 02:48:17

Below is generated by plot.py at 2018-01-31 05:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.18 Mbit/s

95th percentile per-packet one-way delay: 63.837 ms

Loss rate: 0.31%

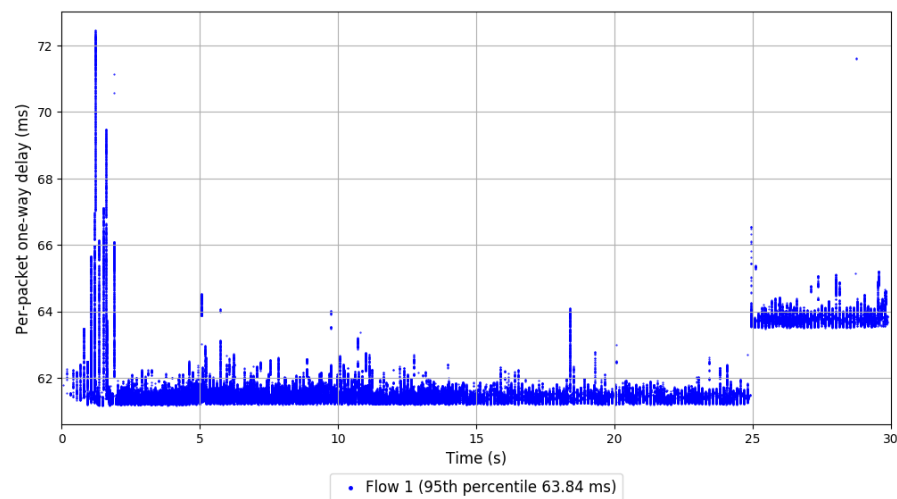
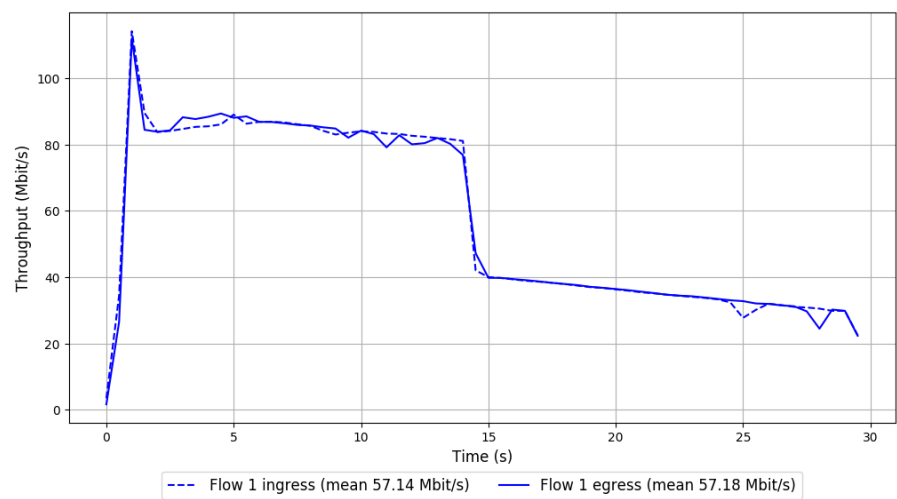
-- Flow 1:

Average throughput: 57.18 Mbit/s

95th percentile per-packet one-way delay: 63.837 ms

Loss rate: 0.31%

Run 10: Report of TCP Vegas — Data Link

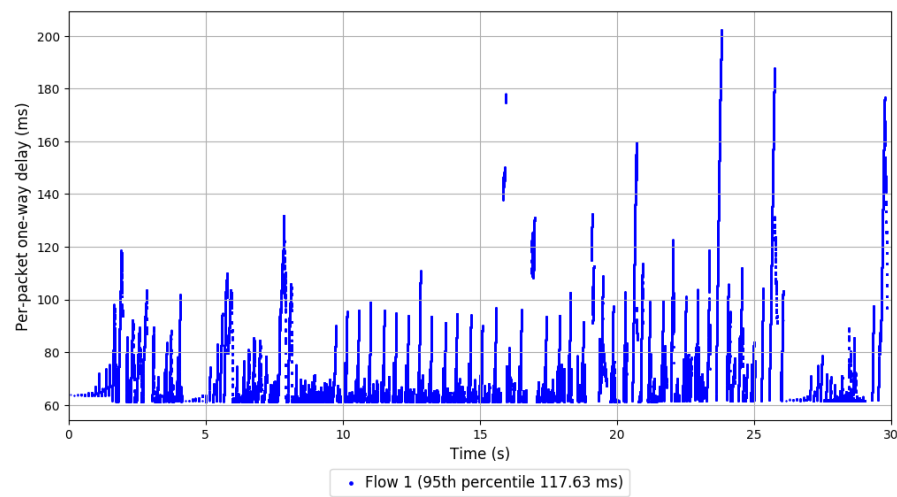
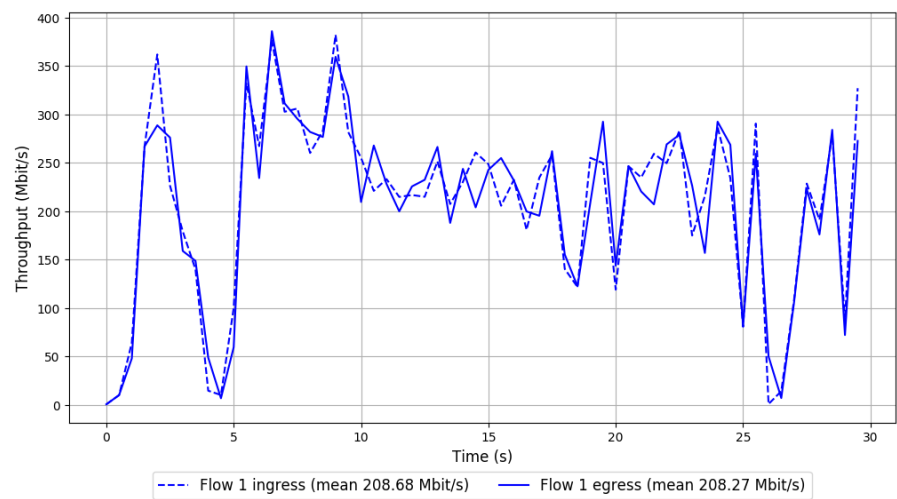


```
Run 1: Statistics of Verus

Start at: 2018-01-31 00:49:01
End at: 2018-01-31 00:49:31

# Below is generated by plot.py at 2018-01-31 05:50:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.27 Mbit/s
95th percentile per-packet one-way delay: 117.634 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 208.27 Mbit/s
95th percentile per-packet one-way delay: 117.634 ms
Loss rate: 0.90%
```


Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-31 01:02:33

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

Below is generated by plot.py at 2018-01-31 05:50:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.66 Mbit/s

95th percentile per-packet one-way delay: 103.297 ms

Loss rate: 0.68%

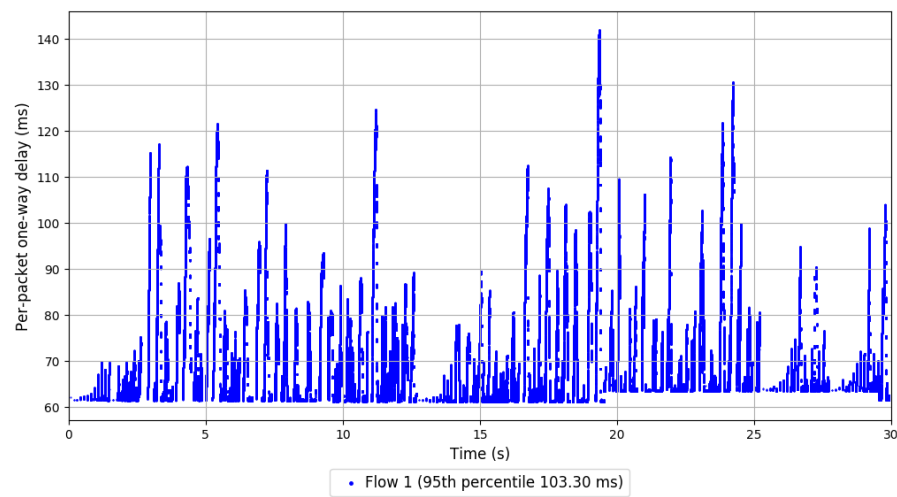
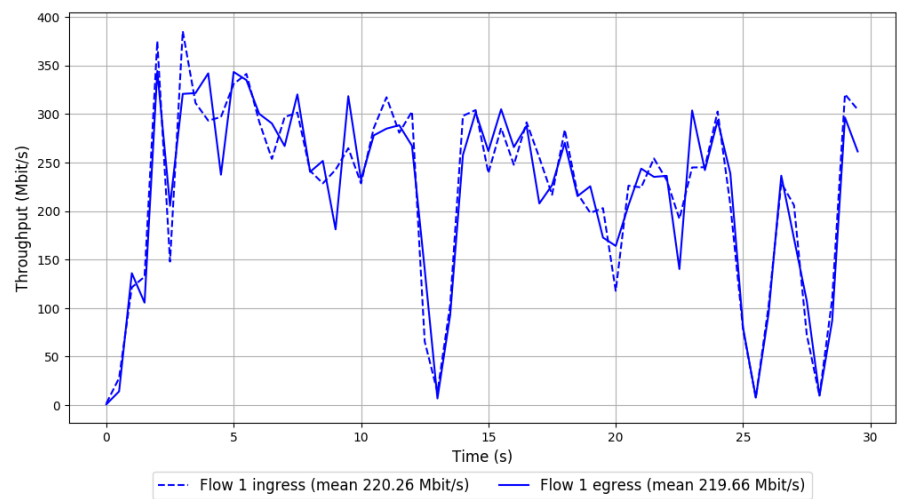
-- Flow 1:

Average throughput: 219.66 Mbit/s

95th percentile per-packet one-way delay: 103.297 ms

Loss rate: 0.68%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-31 01:16:28

End at: 2018-01-31 01:16:58

Below is generated by plot.py at 2018-01-31 05:51:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.90 Mbit/s

95th percentile per-packet one-way delay: 101.335 ms

Loss rate: 0.83%

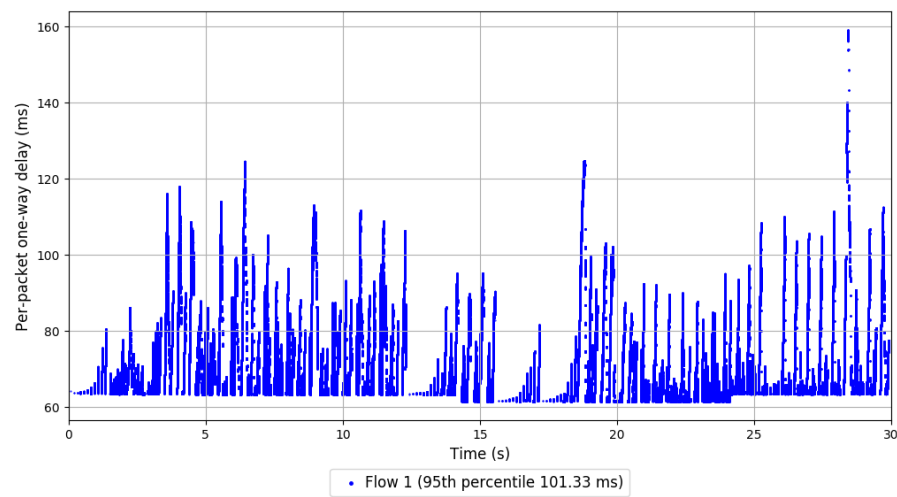
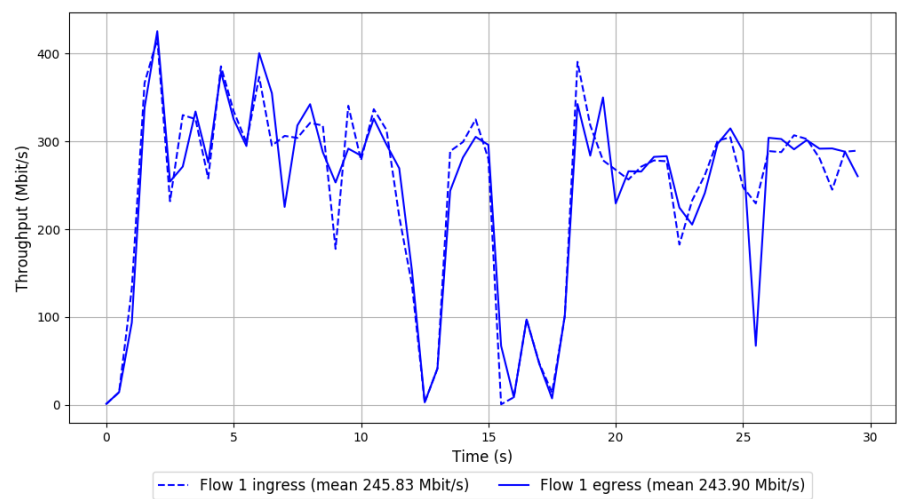
-- Flow 1:

Average throughput: 243.90 Mbit/s

95th percentile per-packet one-way delay: 101.335 ms

Loss rate: 0.83%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-31 01:30:16

End at: 2018-01-31 01:30:46

Below is generated by plot.py at 2018-01-31 05:51:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.68 Mbit/s

95th percentile per-packet one-way delay: 163.668 ms

Loss rate: 0.66%

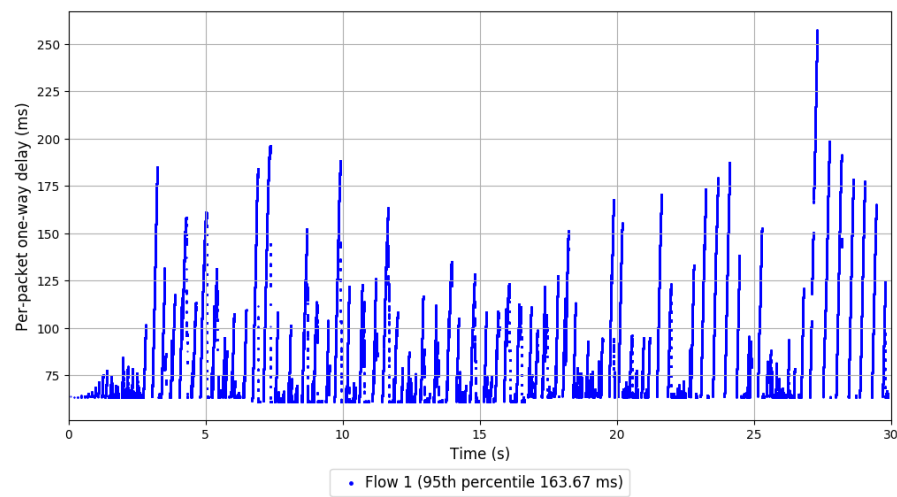
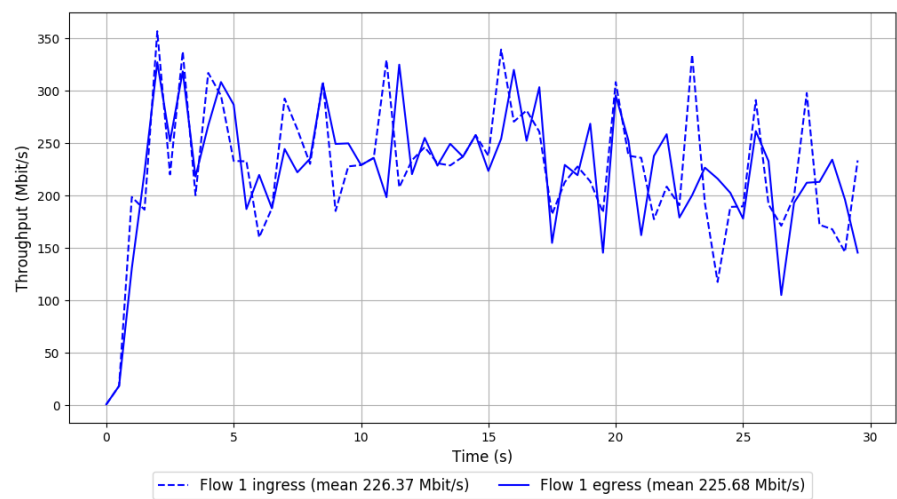
-- Flow 1:

Average throughput: 225.68 Mbit/s

95th percentile per-packet one-way delay: 163.668 ms

Loss rate: 0.66%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-31 01:43:44

End at: 2018-01-31 01:44:14

Below is generated by plot.py at 2018-01-31 05:52:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.91 Mbit/s

95th percentile per-packet one-way delay: 100.282 ms

Loss rate: 0.63%

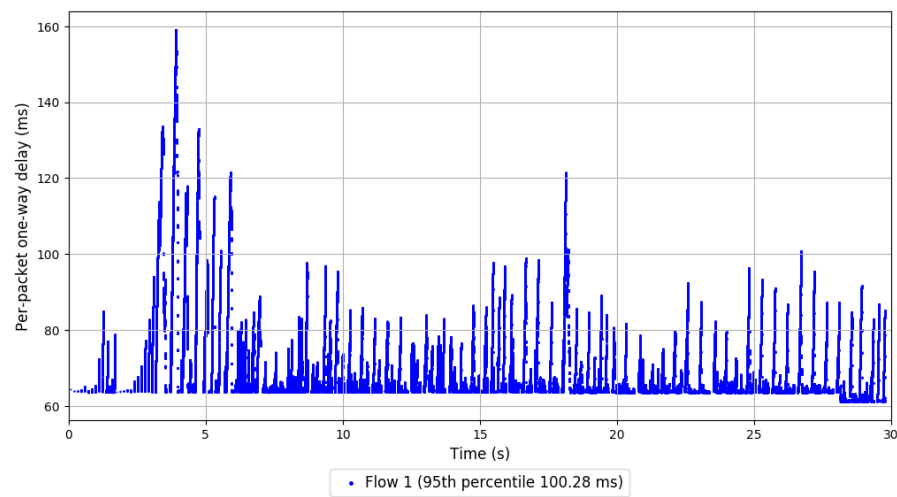
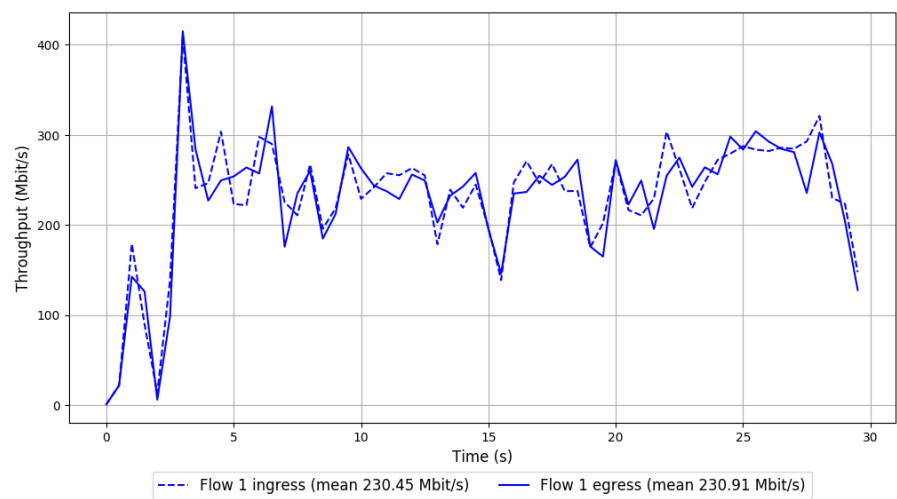
-- Flow 1:

Average throughput: 230.91 Mbit/s

95th percentile per-packet one-way delay: 100.282 ms

Loss rate: 0.63%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-31 01:57:14

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

Below is generated by plot.py at 2018-01-31 05:52:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.71 Mbit/s

95th percentile per-packet one-way delay: 101.569 ms

Loss rate: 0.83%

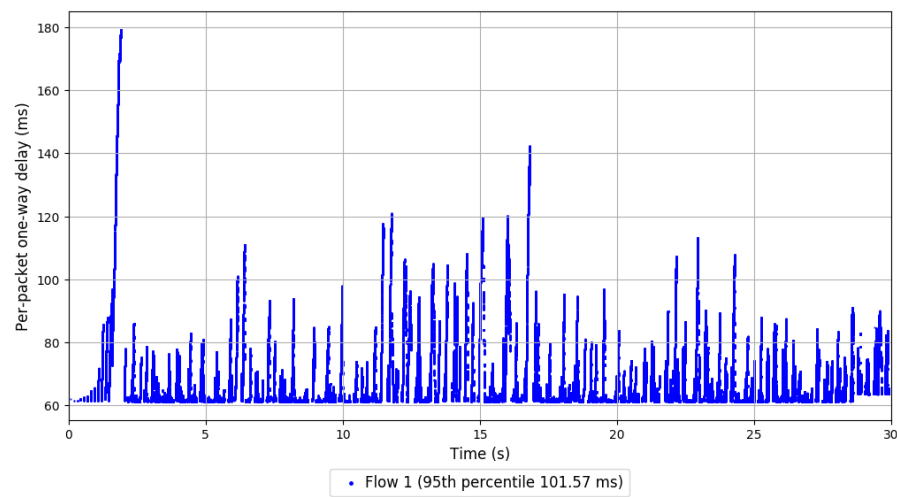
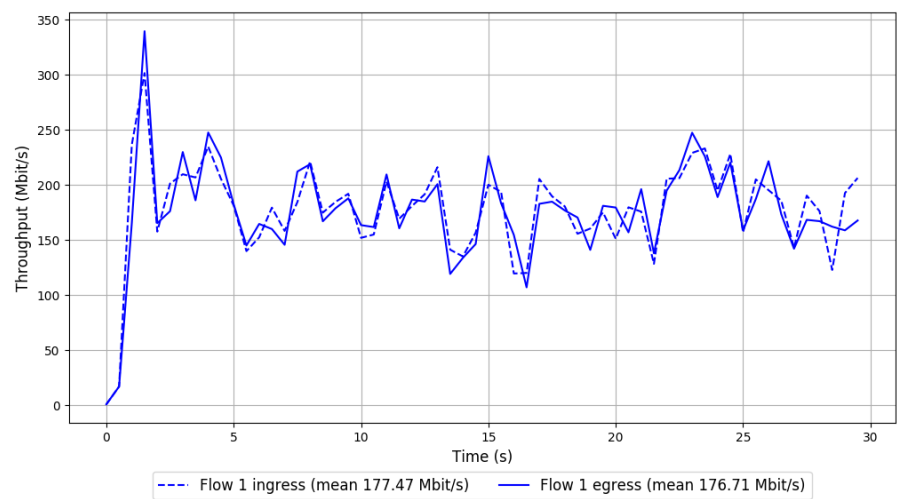
-- Flow 1:

Average throughput: 176.71 Mbit/s

95th percentile per-packet one-way delay: 101.569 ms

Loss rate: 0.83%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-31 02:10:25

End at: 2018-01-31 02:10:55

Below is generated by plot.py at 2018-01-31 05:52:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.83 Mbit/s

95th percentile per-packet one-way delay: 89.125 ms

Loss rate: 0.54%

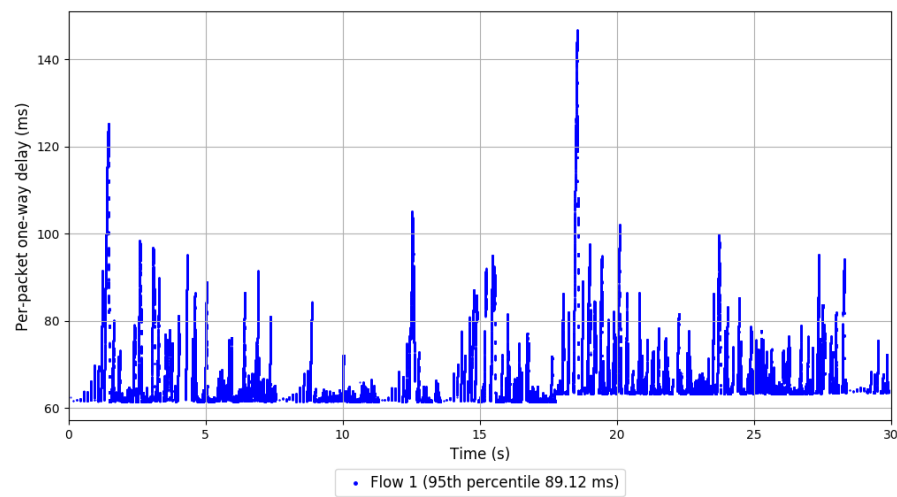
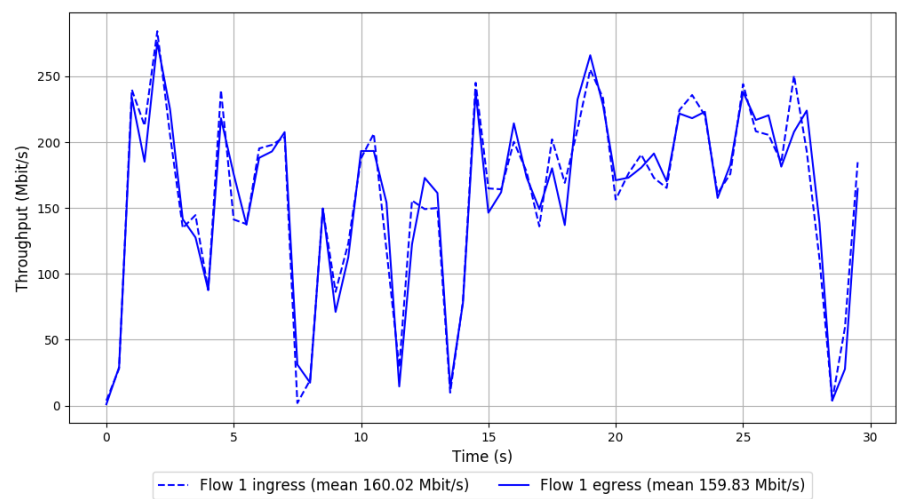
-- Flow 1:

Average throughput: 159.83 Mbit/s

95th percentile per-packet one-way delay: 89.125 ms

Loss rate: 0.54%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-31 02:23:38

End at: 2018-01-31 02:24:08

Below is generated by plot.py at 2018-01-31 05:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.47 Mbit/s

95th percentile per-packet one-way delay: 82.007 ms

Loss rate: 0.32%

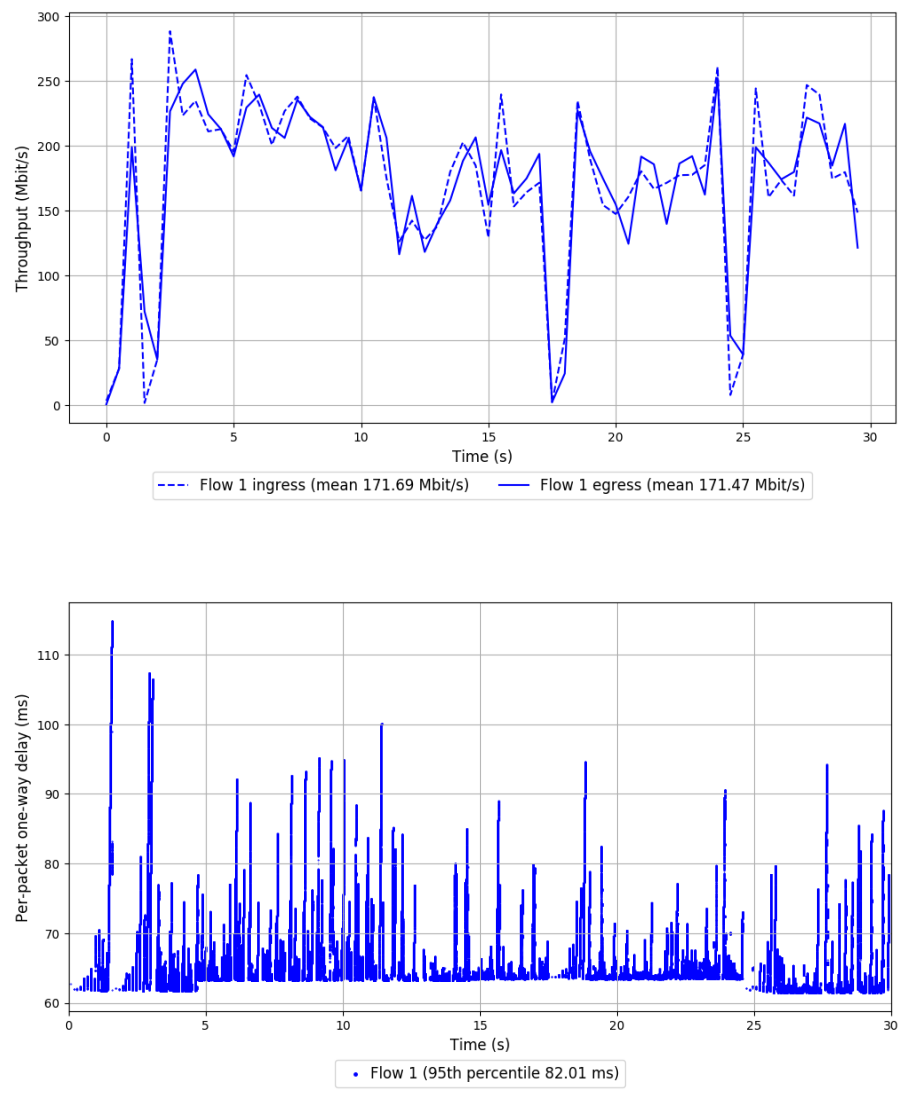
-- Flow 1:

Average throughput: 171.47 Mbit/s

95th percentile per-packet one-way delay: 82.007 ms

Loss rate: 0.32%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-31 02:37:03

End at: 2018-01-31 02:37:34

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.98 Mbit/s

95th percentile per-packet one-way delay: 127.589 ms

Loss rate: 0.71%

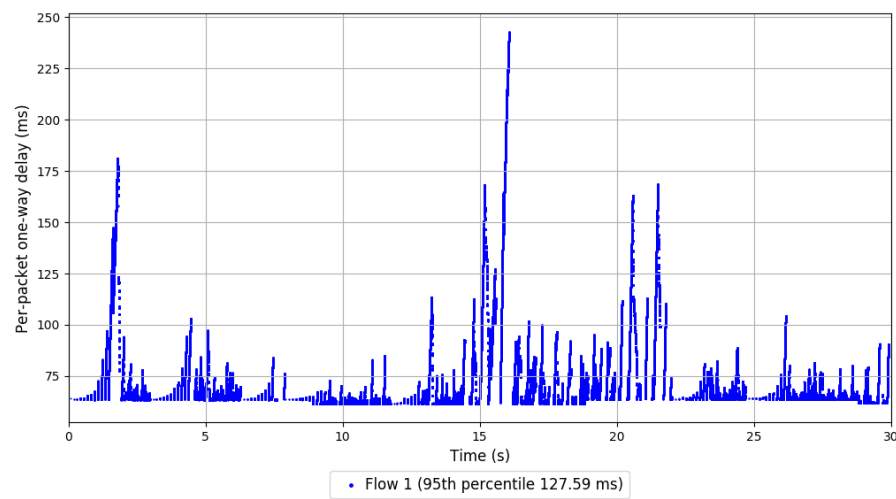
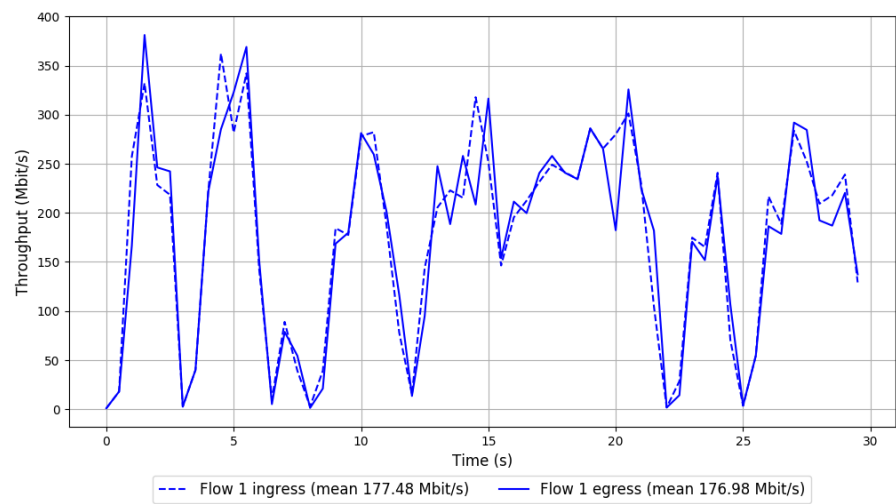
-- Flow 1:

Average throughput: 176.98 Mbit/s

95th percentile per-packet one-way delay: 127.589 ms

Loss rate: 0.71%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-31 02:50:52

End at: 2018-01-31 02:51:22

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.38 Mbit/s

95th percentile per-packet one-way delay: 82.735 ms

Loss rate: 0.83%

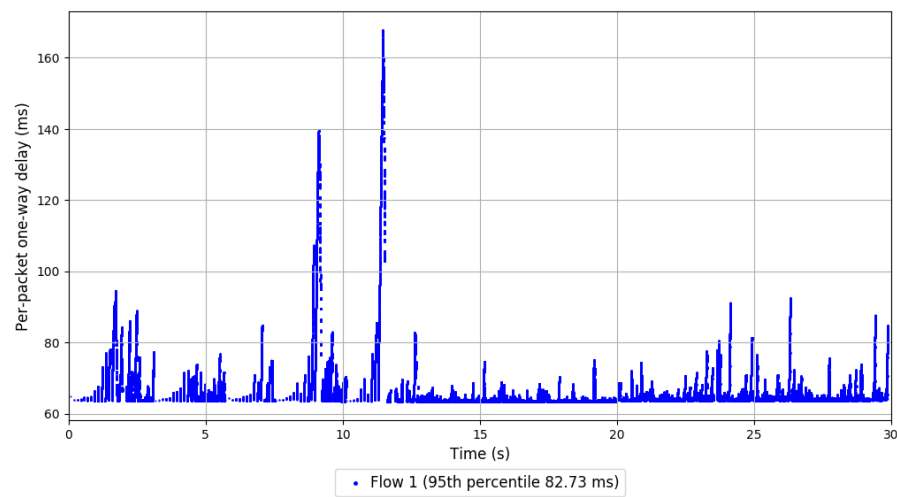
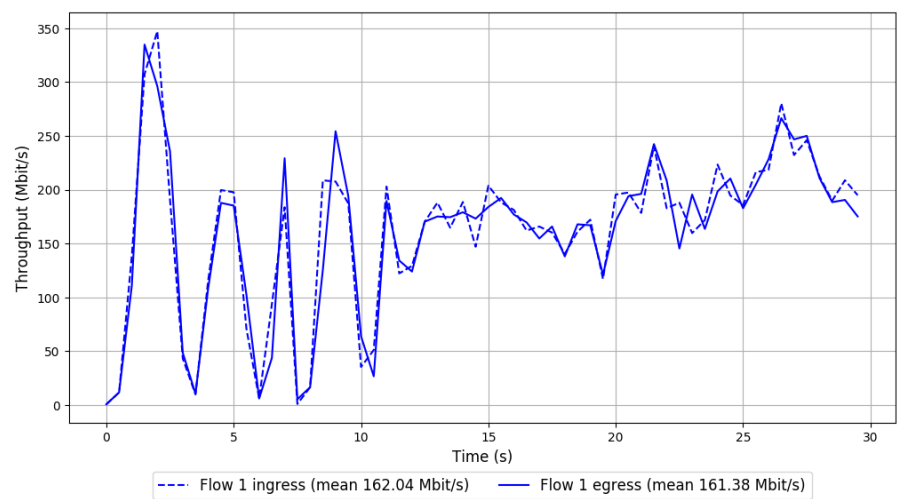
-- Flow 1:

Average throughput: 161.38 Mbit/s

95th percentile per-packet one-way delay: 82.735 ms

Loss rate: 0.83%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-31 00:52:36

End at: 2018-01-31 00:53:06

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 63.949 ms

Loss rate: 0.09%

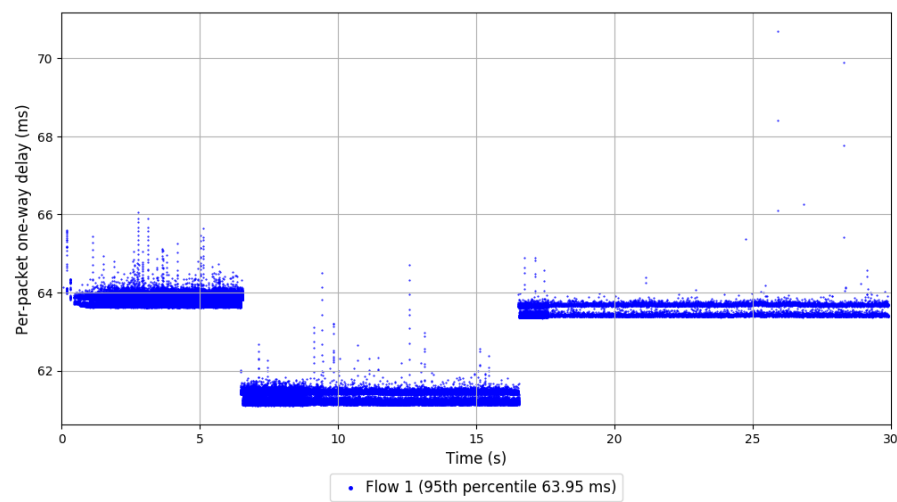
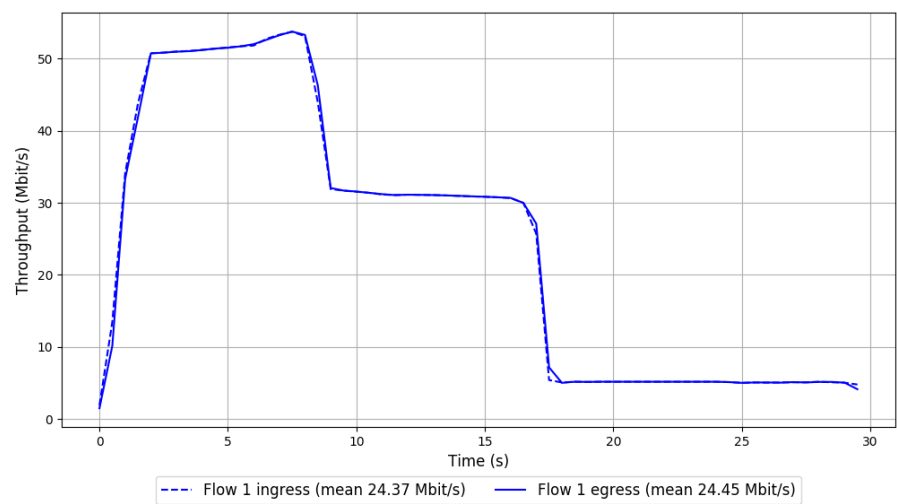
-- Flow 1:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 63.949 ms

Loss rate: 0.09%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

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

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

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.10 Mbit/s

95th percentile per-packet one-way delay: 63.719 ms

Loss rate: 0.60%

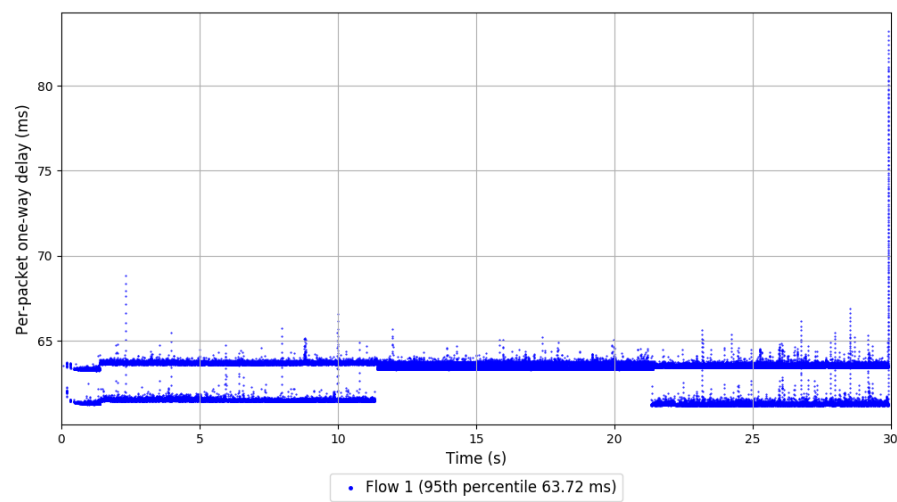
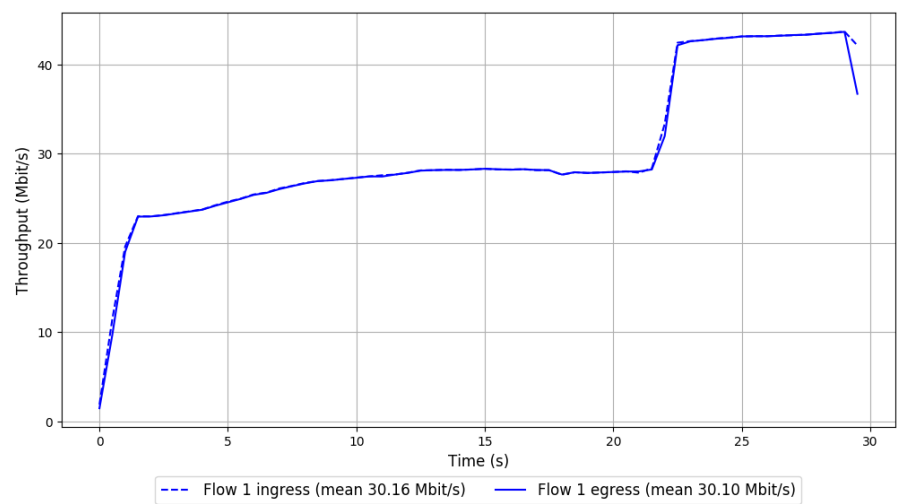
-- Flow 1:

Average throughput: 30.10 Mbit/s

95th percentile per-packet one-way delay: 63.719 ms

Loss rate: 0.60%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-31 01:20:06

End at: 2018-01-31 01:20:36

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 63.366 ms

Loss rate: 0.05%

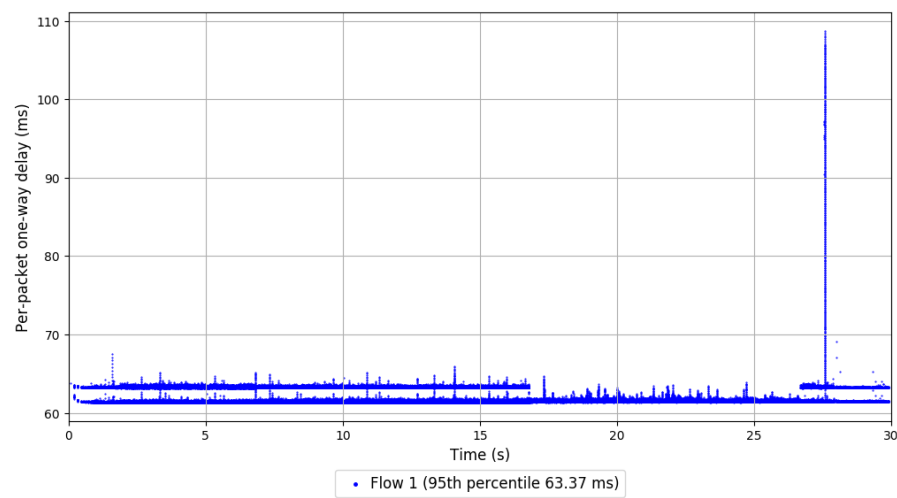
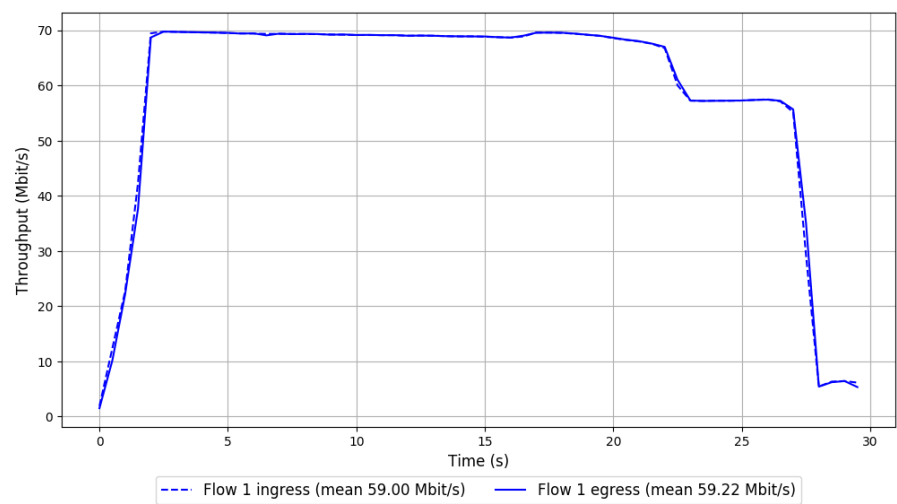
-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 63.366 ms

Loss rate: 0.05%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-31 01:33:47

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

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.77 Mbit/s

95th percentile per-packet one-way delay: 63.629 ms

Loss rate: 0.19%

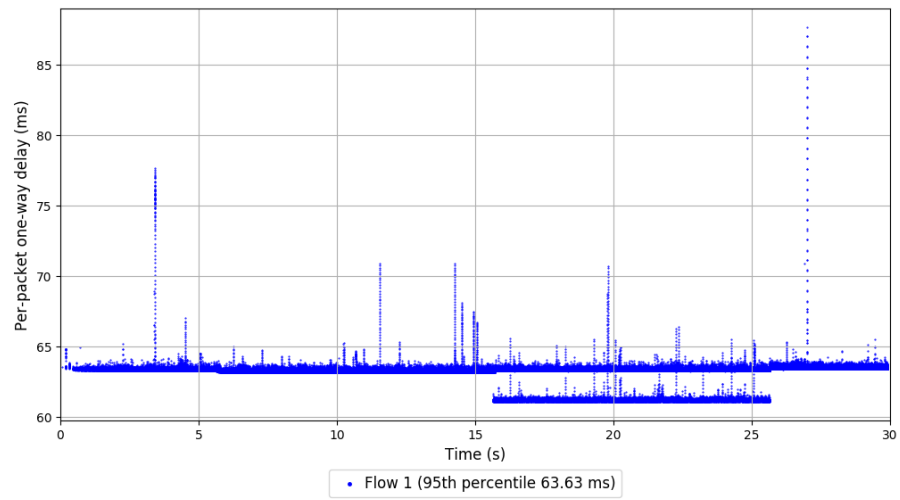
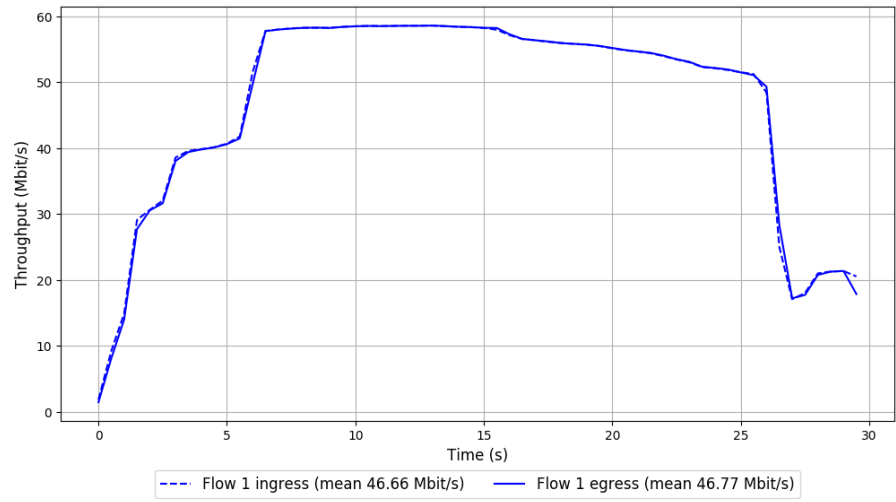
-- Flow 1:

Average throughput: 46.77 Mbit/s

95th percentile per-packet one-way delay: 63.629 ms

Loss rate: 0.19%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-31 01:47:21

End at: 2018-01-31 01:47:51

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.35 Mbit/s

95th percentile per-packet one-way delay: 63.912 ms

Loss rate: 1.21%

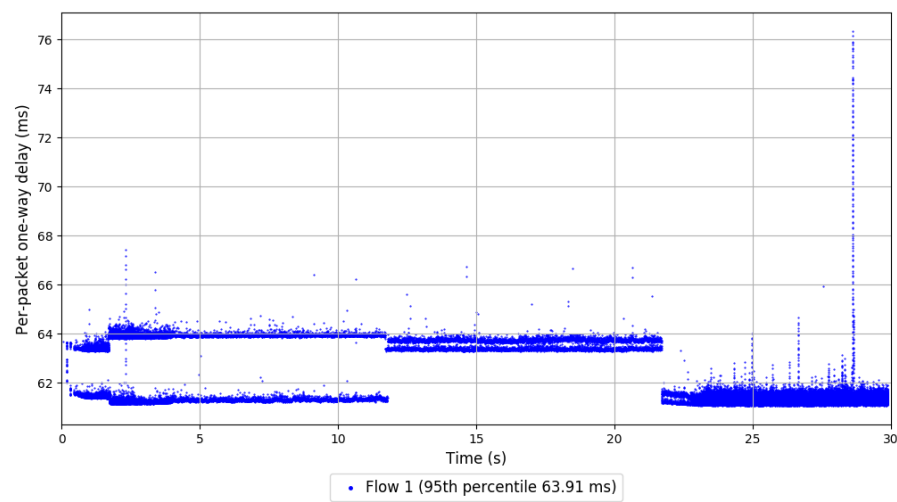
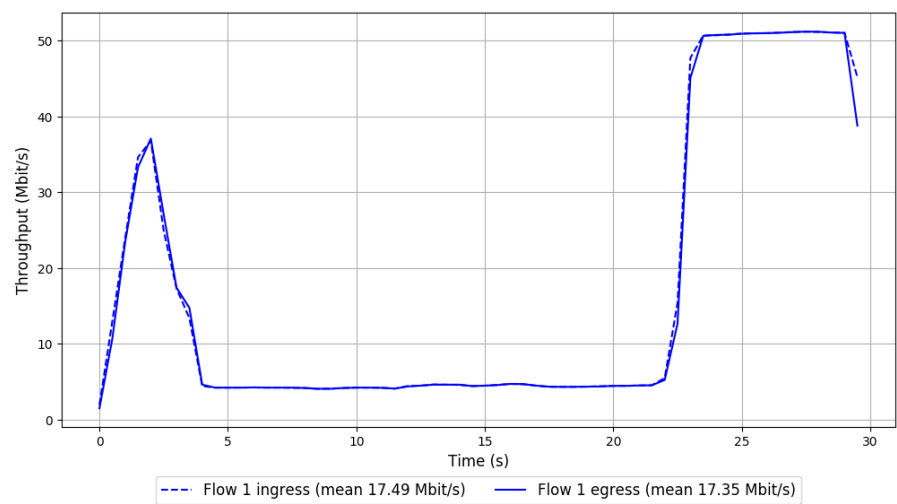
-- Flow 1:

Average throughput: 17.35 Mbit/s

95th percentile per-packet one-way delay: 63.912 ms

Loss rate: 1.21%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-31 02:00:48

End at: 2018-01-31 02:01:18

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.86 Mbit/s

95th percentile per-packet one-way delay: 63.838 ms

Loss rate: 0.05%

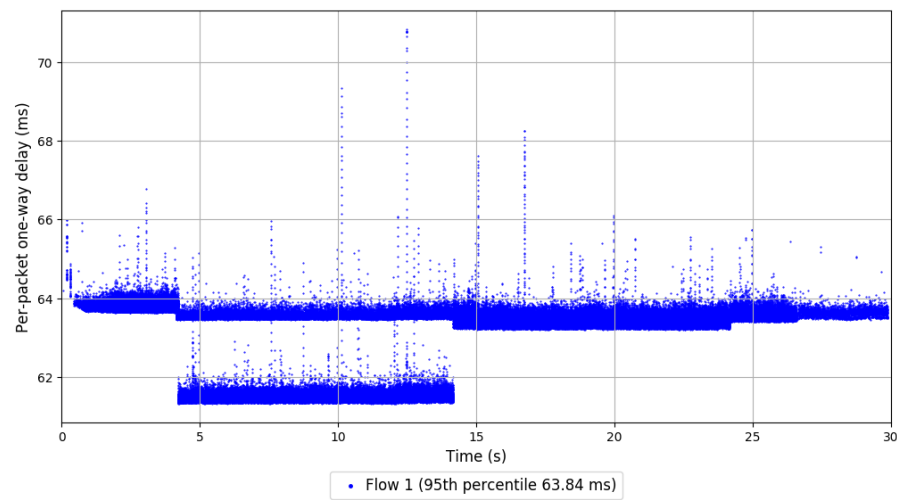
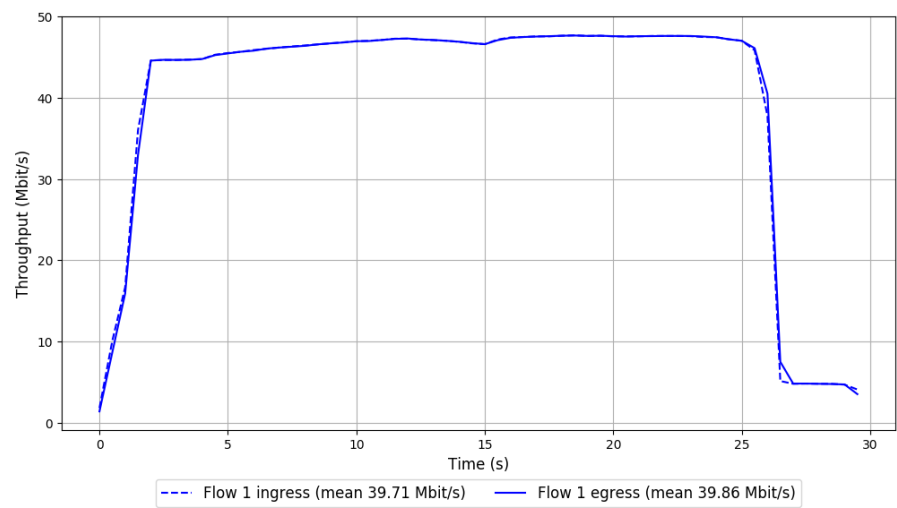
-- Flow 1:

Average throughput: 39.86 Mbit/s

95th percentile per-packet one-way delay: 63.838 ms

Loss rate: 0.05%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-31 02:13:59

End at: 2018-01-31 02:14:29

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 63.856 ms

Loss rate: 0.13%

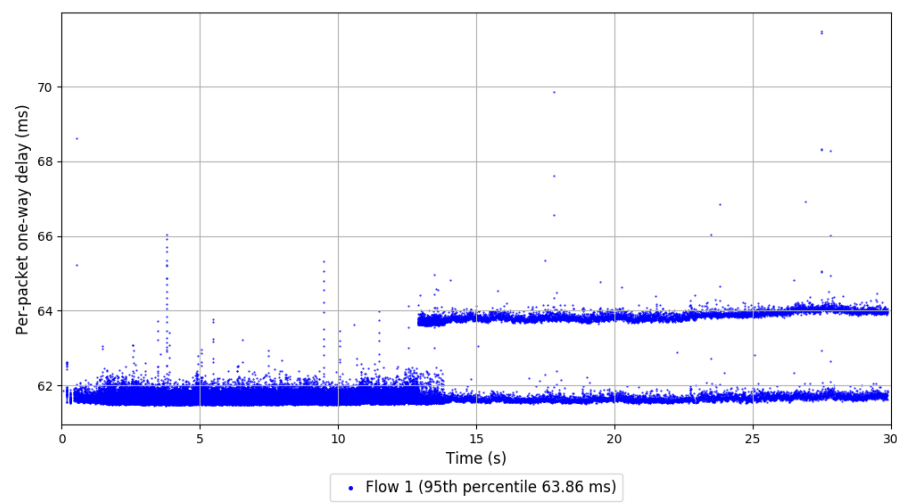
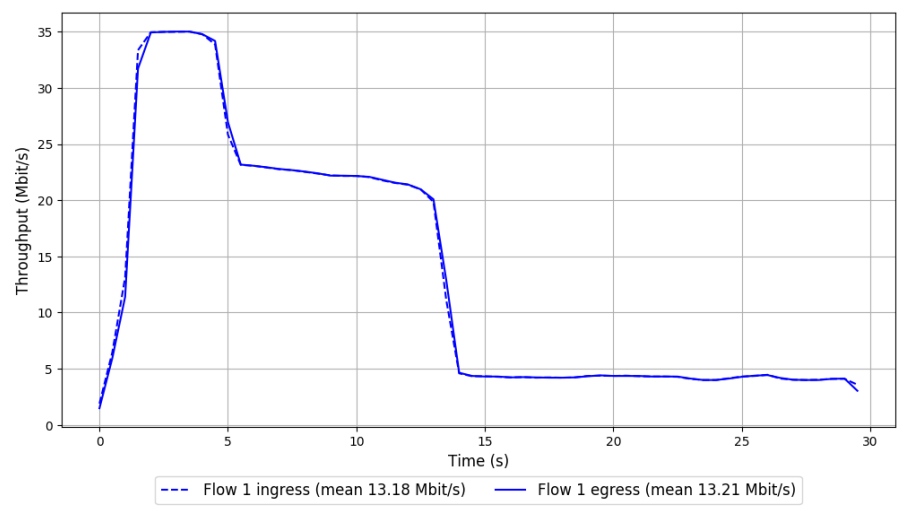
-- Flow 1:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 63.856 ms

Loss rate: 0.13%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-31 02:27:11

End at: 2018-01-31 02:27:41

Below is generated by plot.py at 2018-01-31 05:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.00 Mbit/s

95th percentile per-packet one-way delay: 63.543 ms

Loss rate: 0.08%

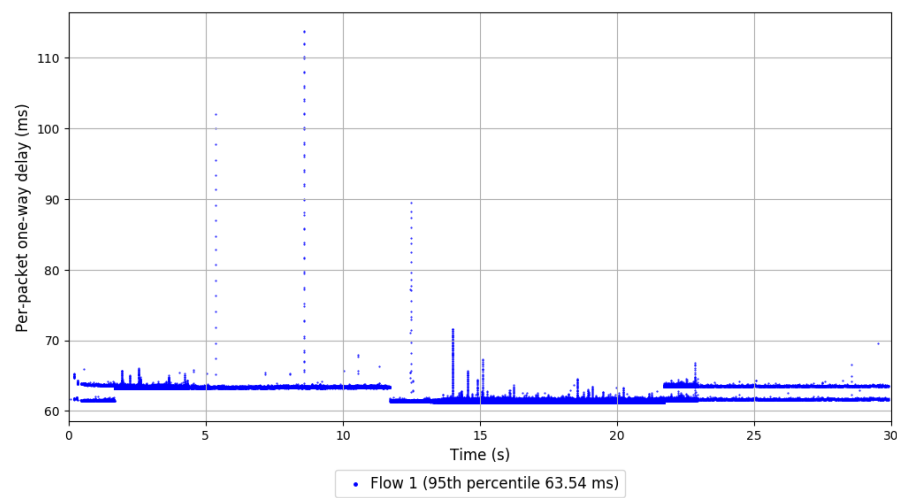
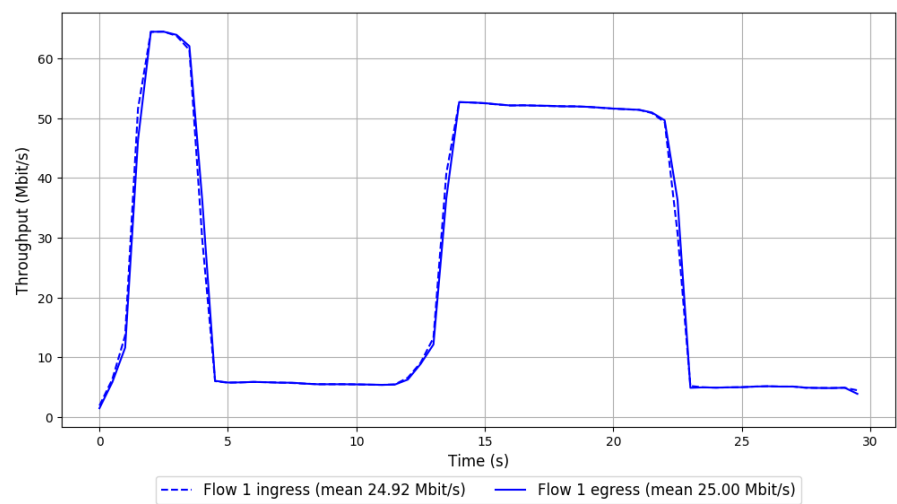
-- Flow 1:

Average throughput: 25.00 Mbit/s

95th percentile per-packet one-way delay: 63.543 ms

Loss rate: 0.08%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-31 02:40:37

End at: 2018-01-31 02:41:07

Below is generated by plot.py at 2018-01-31 05:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.01 Mbit/s

95th percentile per-packet one-way delay: 63.669 ms

Loss rate: 0.42%

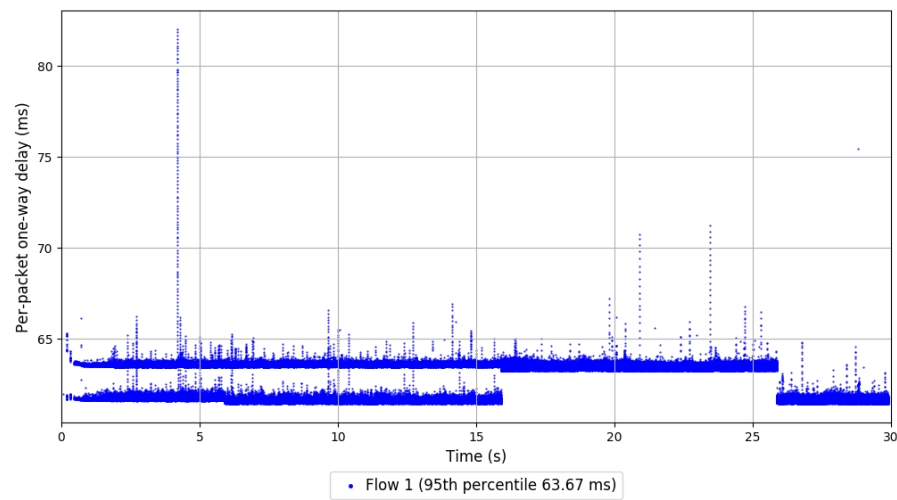
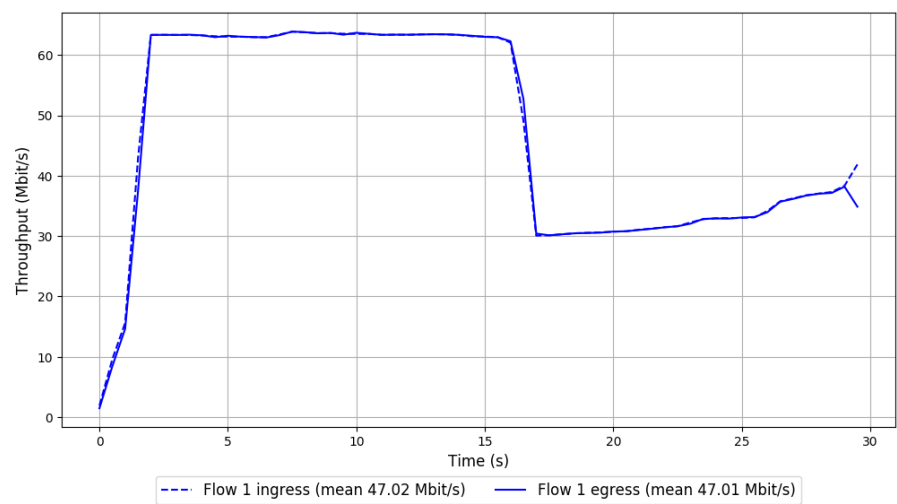
-- Flow 1:

Average throughput: 47.01 Mbit/s

95th percentile per-packet one-way delay: 63.669 ms

Loss rate: 0.42%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-31 02:54:25

End at: 2018-01-31 02:54:55

Below is generated by plot.py at 2018-01-31 05:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 63.984 ms

Loss rate: 1.45%

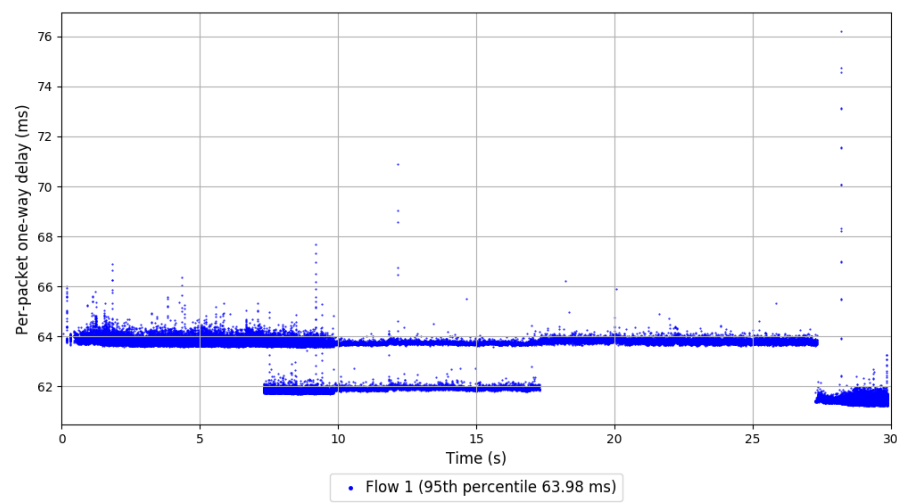
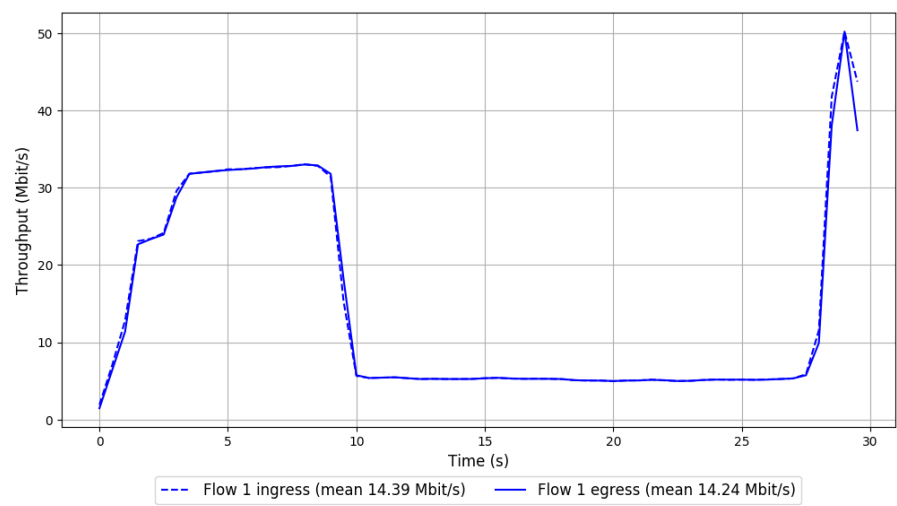
-- Flow 1:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 63.984 ms

Loss rate: 1.45%

Run 10: Report of Copa — Data Link

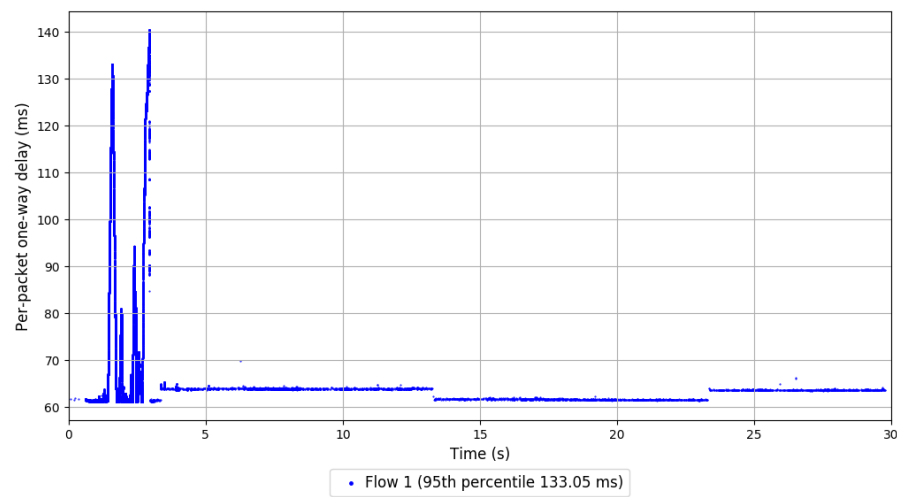
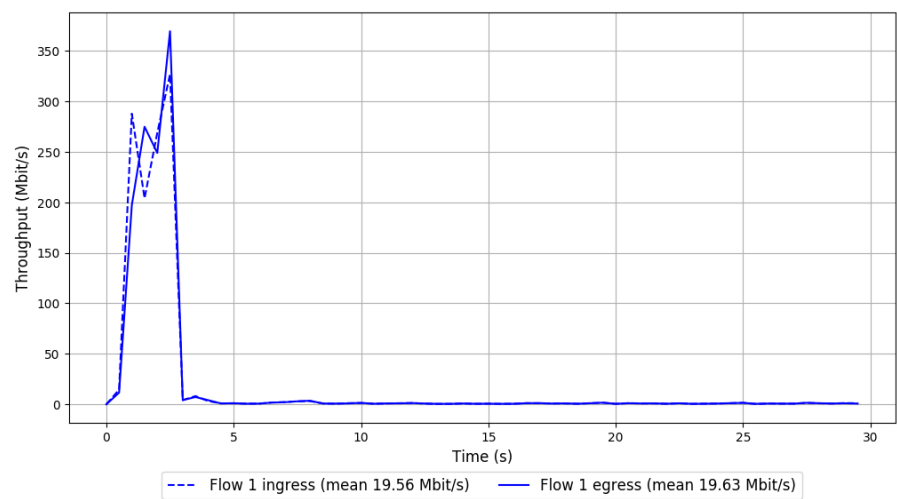


```
Run 1: Statistics of FillP

Start at: 2018-01-31 00:43:39
End at: 2018-01-31 00:44:09

# Below is generated by plot.py at 2018-01-31 05:54:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 133.046 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 133.046 ms
Loss rate: 0.05%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-31 00:57:16

End at: 2018-01-31 00:57:46

Below is generated by plot.py at 2018-01-31 05:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 305.384 ms

Loss rate: 16.16%

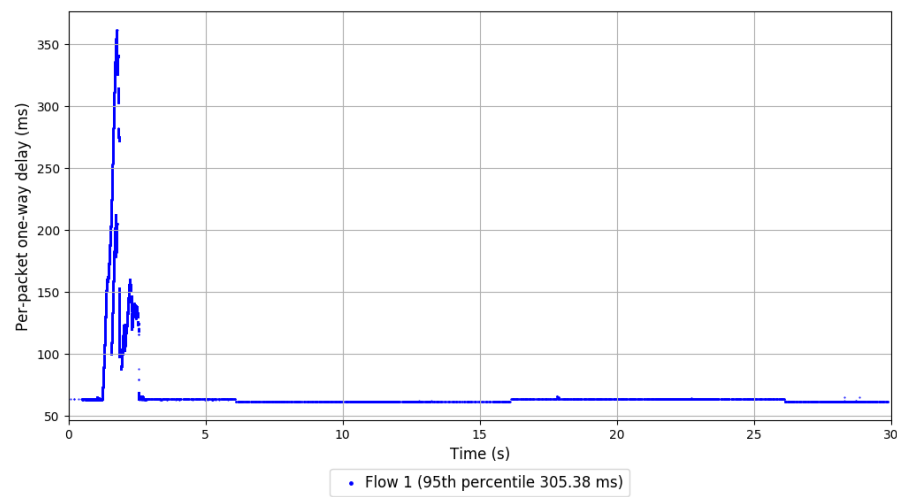
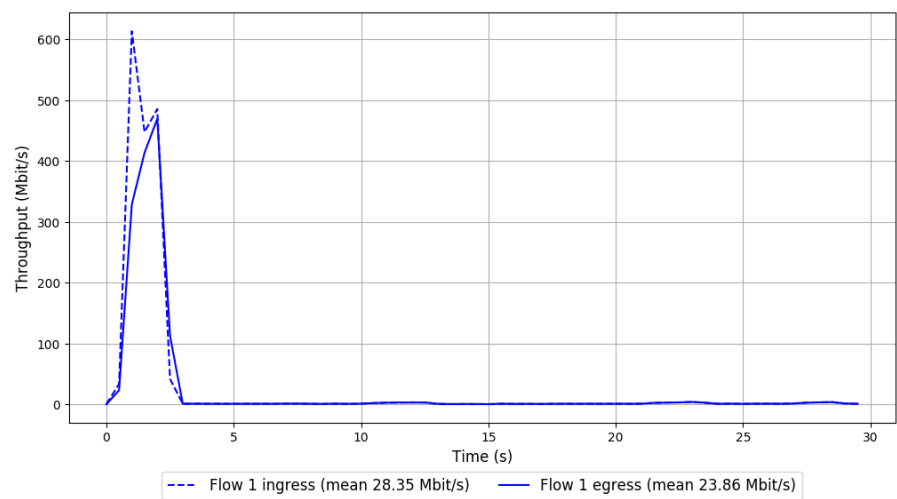
-- Flow 1:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 305.384 ms

Loss rate: 16.16%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

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

End at: 2018-01-31 01:11:42

Below is generated by plot.py at 2018-01-31 05:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 220.190 ms

Loss rate: 8.89%

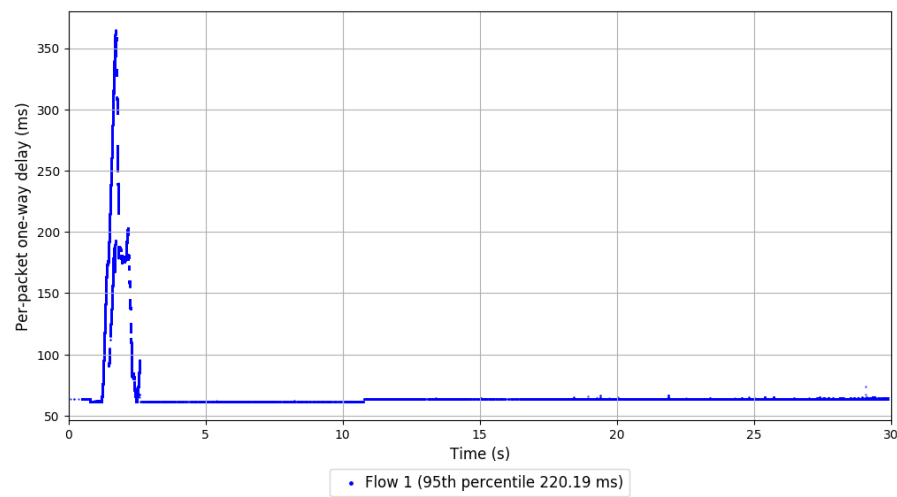
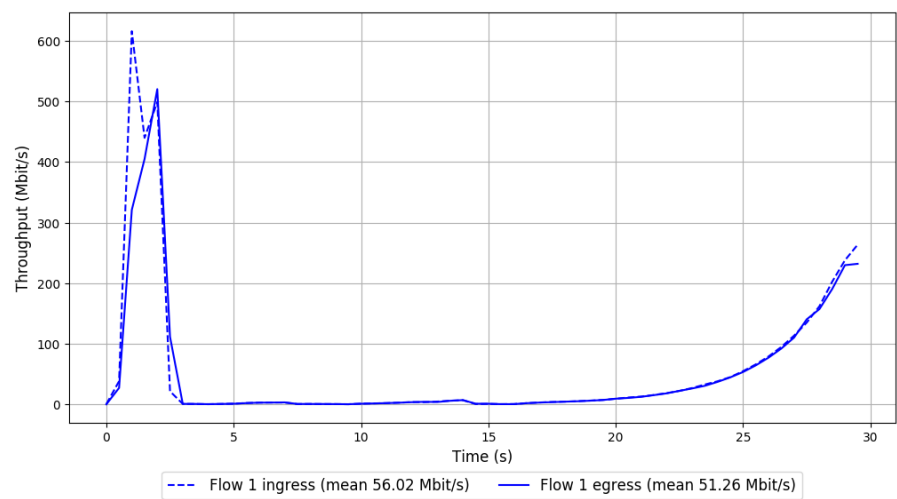
-- Flow 1:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 220.190 ms

Loss rate: 8.89%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

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

End at: 2018-01-31 01:25:30

Below is generated by plot.py at 2018-01-31 05:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: 293.914 ms

Loss rate: 15.74%

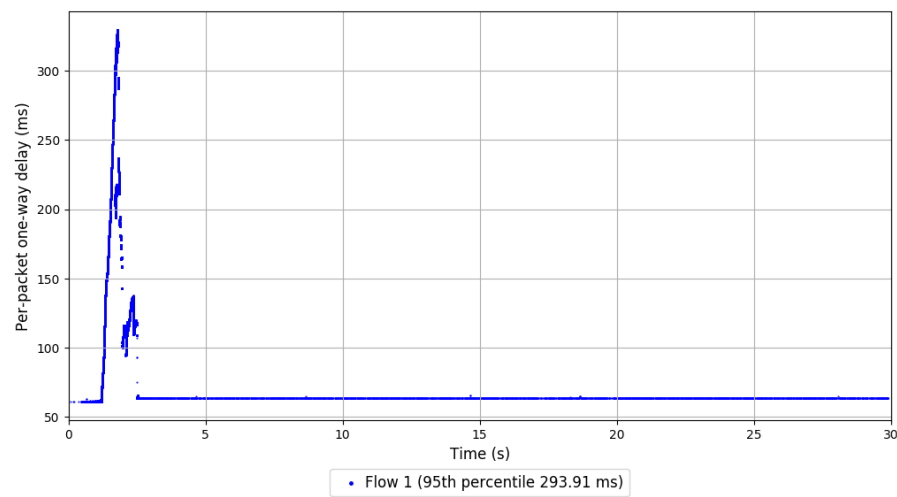
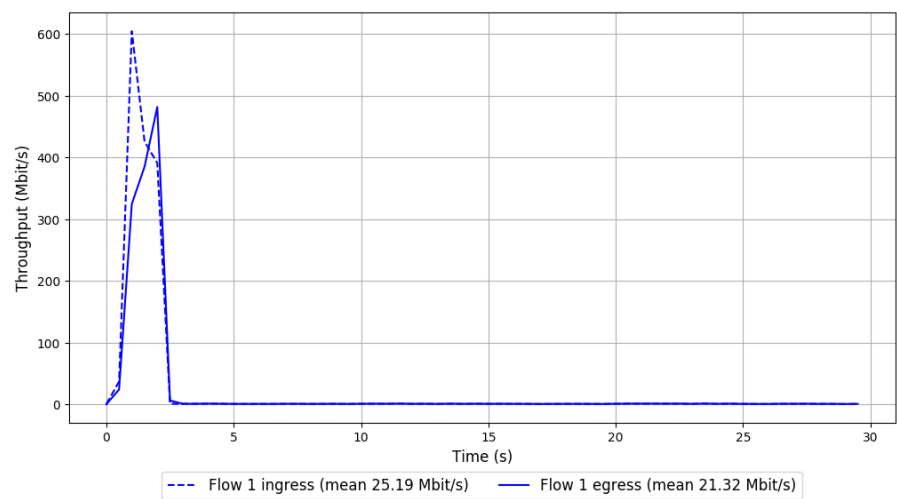
-- Flow 1:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: 293.914 ms

Loss rate: 15.74%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-31 01:38:30

End at: 2018-01-31 01:39:00

Below is generated by plot.py at 2018-01-31 05:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.59 Mbit/s

95th percentile per-packet one-way delay: 213.197 ms

Loss rate: 16.94%

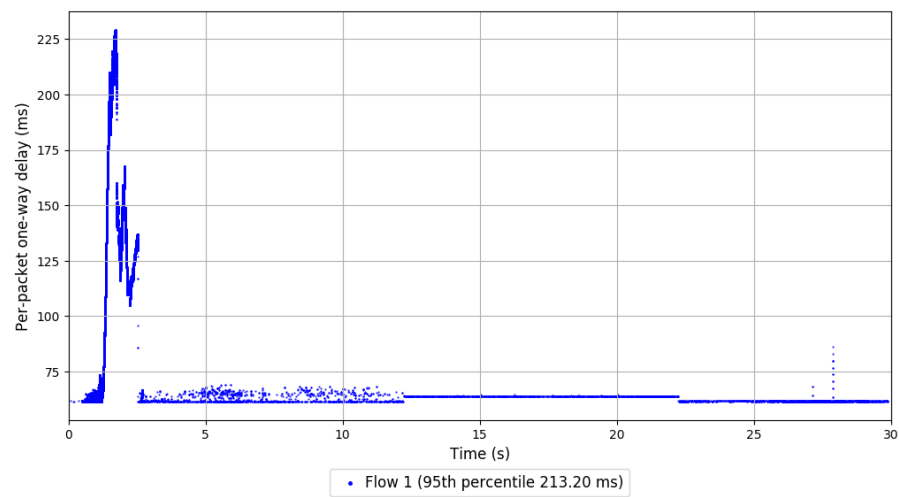
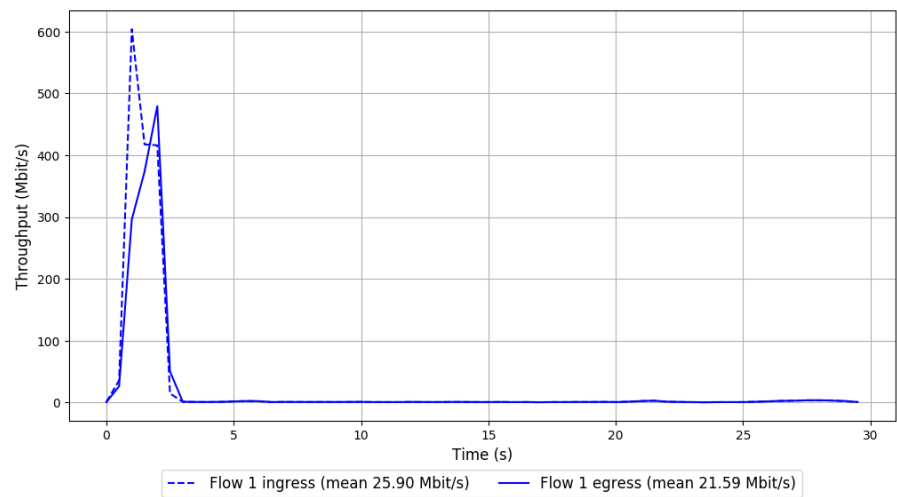
-- Flow 1:

Average throughput: 21.59 Mbit/s

95th percentile per-packet one-way delay: 213.197 ms

Loss rate: 16.94%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-31 01:51:56

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

Below is generated by plot.py at 2018-01-31 05:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 228.175 ms

Loss rate: 11.74%

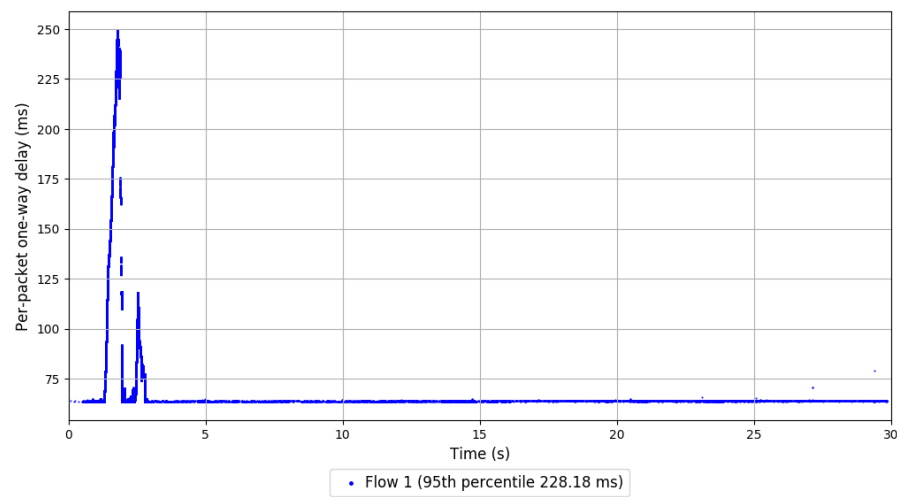
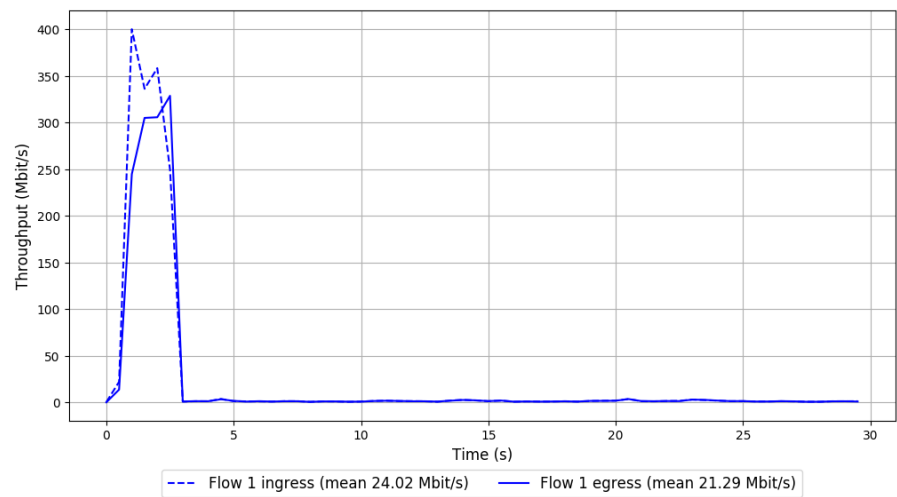
-- Flow 1:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 228.175 ms

Loss rate: 11.74%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-31 02:05:14

End at: 2018-01-31 02:05:44

Below is generated by plot.py at 2018-01-31 05:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.46 Mbit/s

95th percentile per-packet one-way delay: 212.681 ms

Loss rate: 10.85%

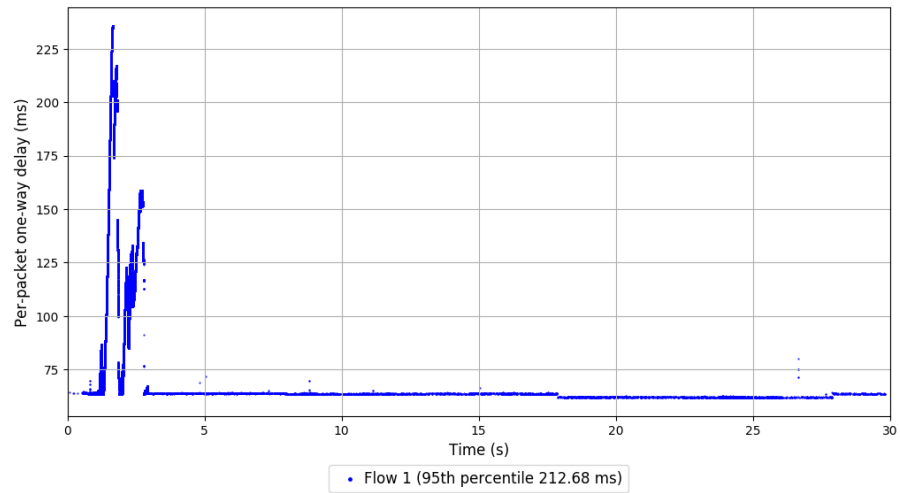
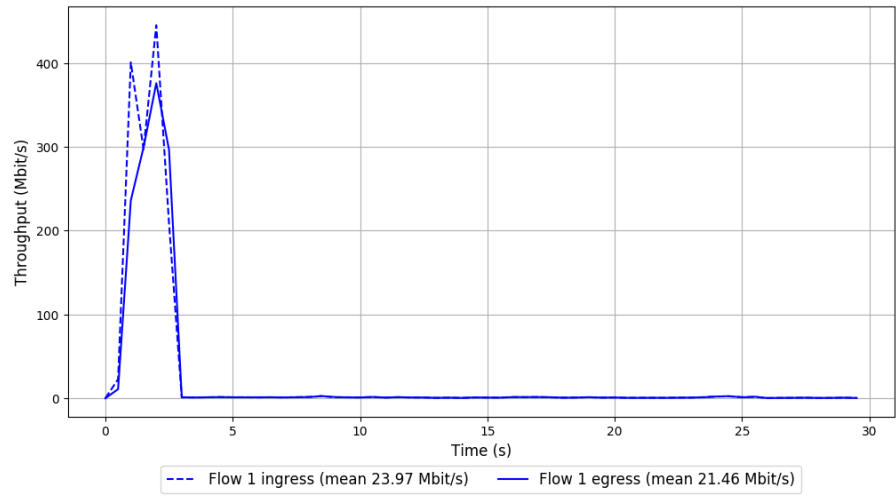
-- Flow 1:

Average throughput: 21.46 Mbit/s

95th percentile per-packet one-way delay: 212.681 ms

Loss rate: 10.85%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-31 02:18:28

End at: 2018-01-31 02:18:58

Below is generated by plot.py at 2018-01-31 05:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 202.210 ms

Loss rate: 4.99%

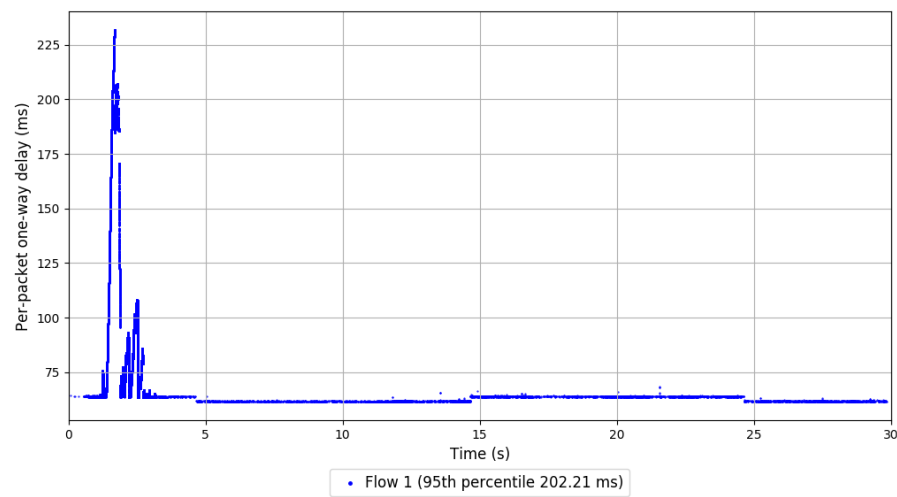
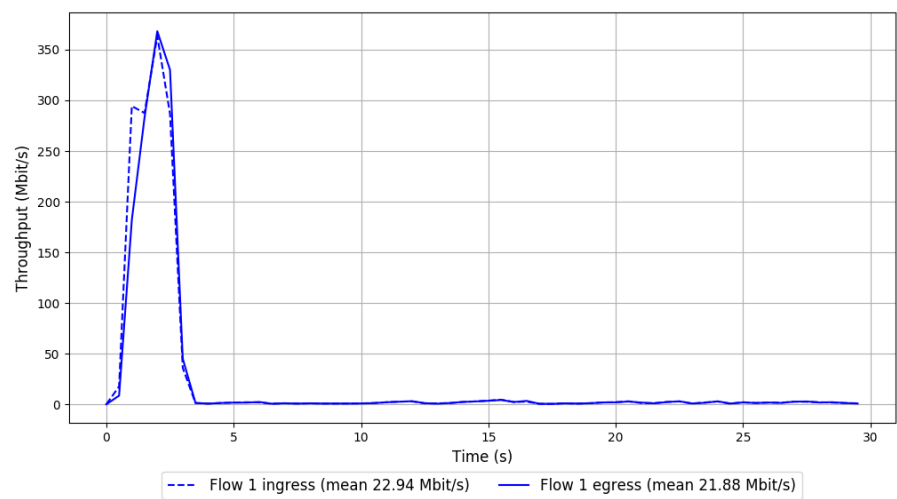
-- Flow 1:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 202.210 ms

Loss rate: 4.99%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-31 02:31:51

End at: 2018-01-31 02:32:21

Below is generated by plot.py at 2018-01-31 05:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.83 Mbit/s

95th percentile per-packet one-way delay: 247.683 ms

Loss rate: 8.50%

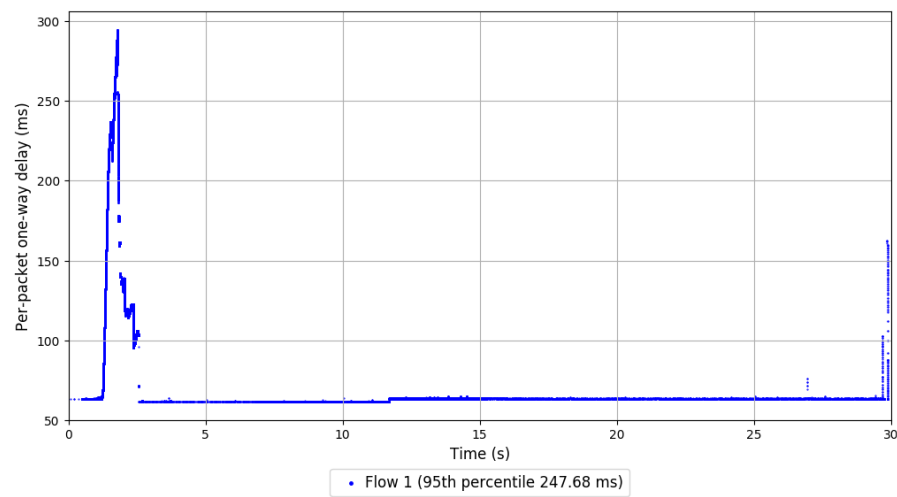
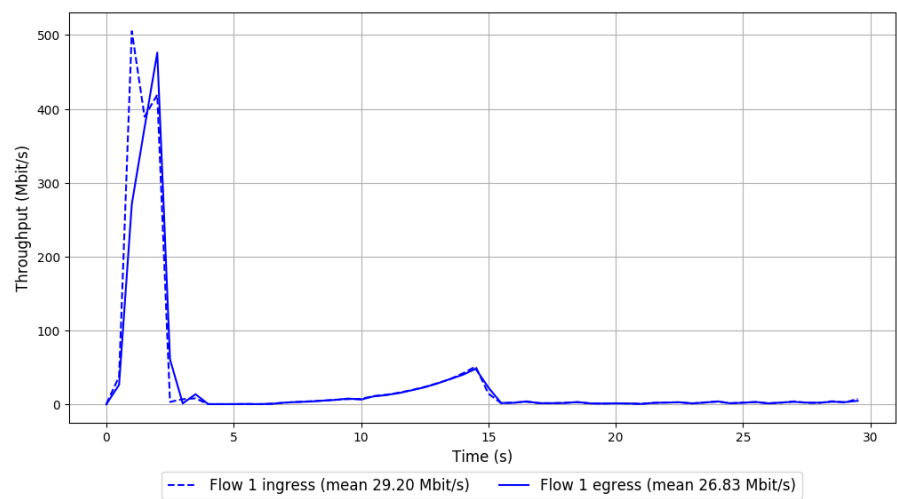
-- Flow 1:

Average throughput: 26.83 Mbit/s

95th percentile per-packet one-way delay: 247.683 ms

Loss rate: 8.50%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-31 02:45:36

End at: 2018-01-31 02:46:06

Below is generated by plot.py at 2018-01-31 05:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.12 Mbit/s

95th percentile per-packet one-way delay: 171.259 ms

Loss rate: 6.10%

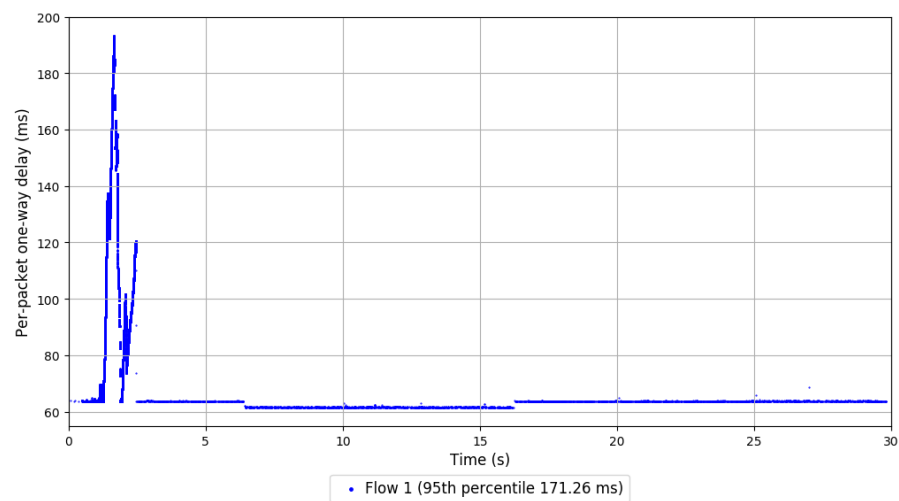
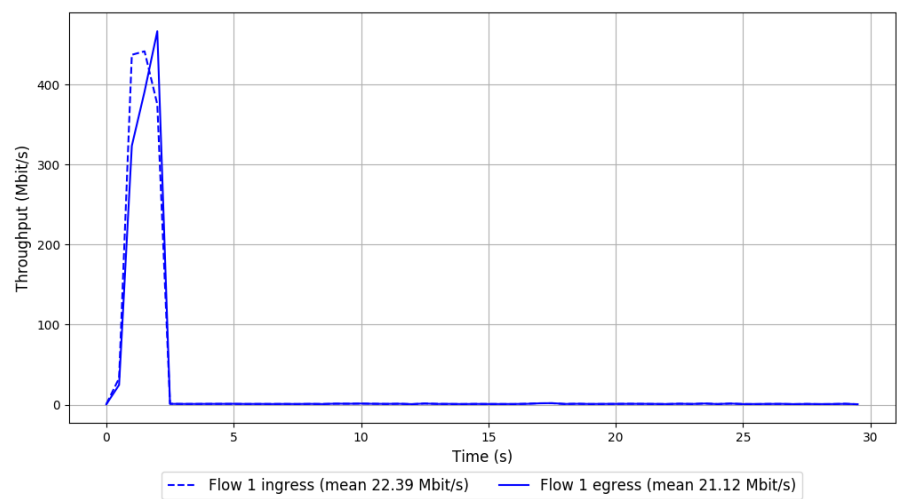
-- Flow 1:

Average throughput: 21.12 Mbit/s

95th percentile per-packet one-way delay: 171.259 ms

Loss rate: 6.10%

Run 10: Report of FillP — Data Link

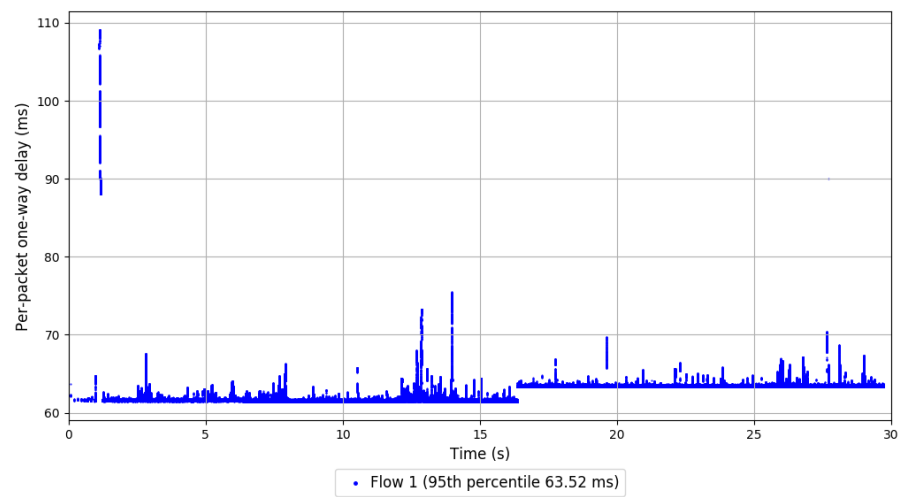
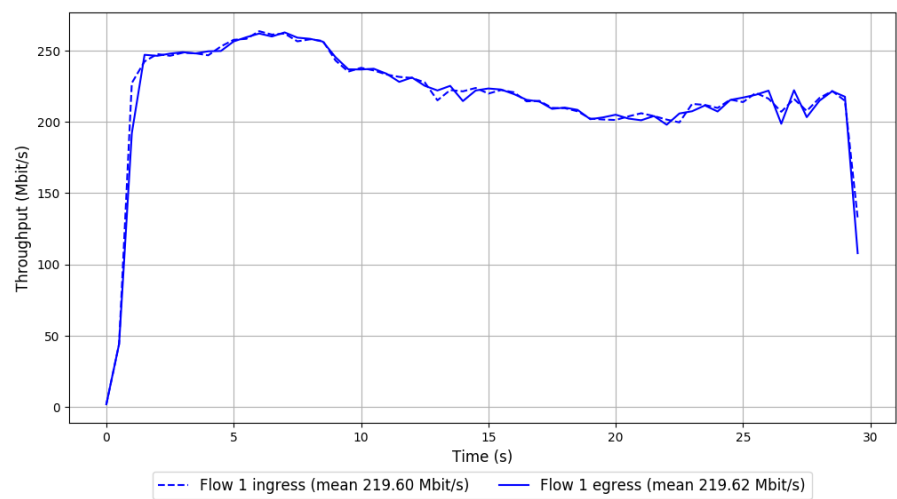


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-31 00:53:16
End at: 2018-01-31 00:53:46

# Below is generated by plot.py at 2018-01-31 05:58:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.62 Mbit/s
95th percentile per-packet one-way delay: 63.522 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 219.62 Mbit/s
95th percentile per-packet one-way delay: 63.522 ms
Loss rate: 0.43%
```

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

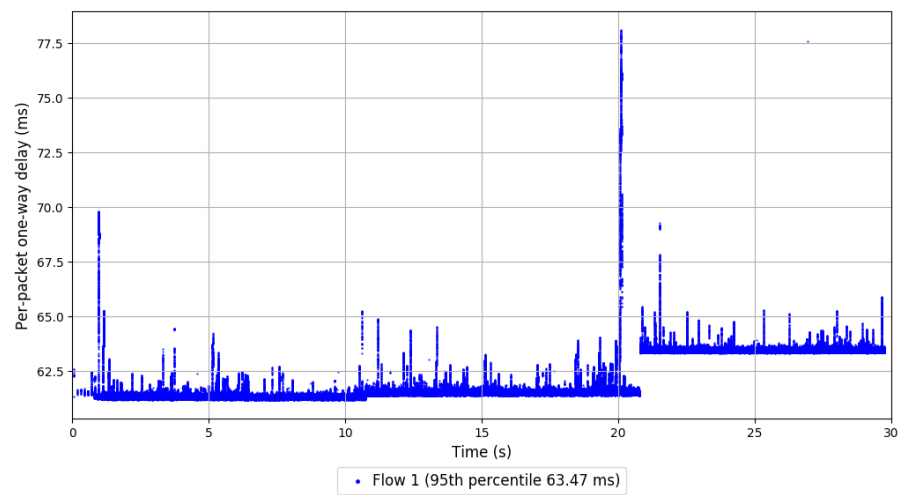
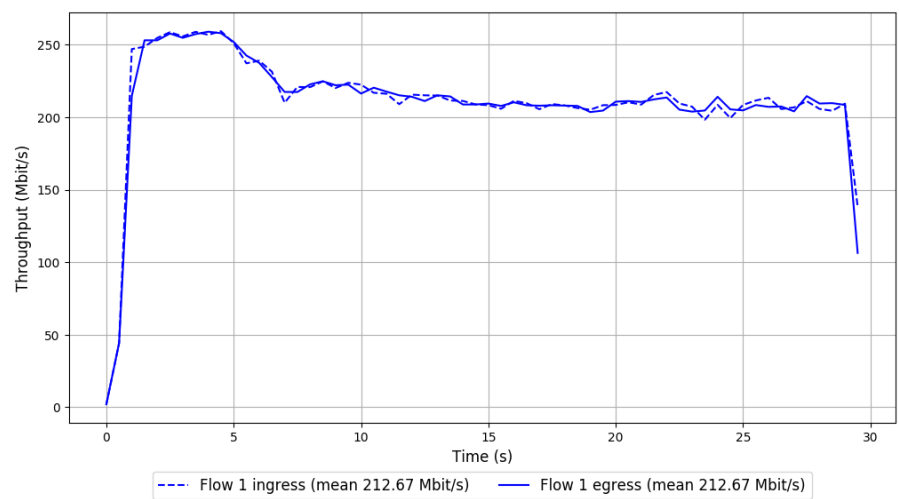


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-31 01:06:41
End at: 2018-01-31 01:07:11

# Below is generated by plot.py at 2018-01-31 05:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.67 Mbit/s
95th percentile per-packet one-way delay: 63.474 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 212.67 Mbit/s
95th percentile per-packet one-way delay: 63.474 ms
Loss rate: 0.41%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-31 01:20:49

End at: 2018-01-31 01:21:19

Below is generated by plot.py at 2018-01-31 05:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.02 Mbit/s

95th percentile per-packet one-way delay: 61.680 ms

Loss rate: 0.69%

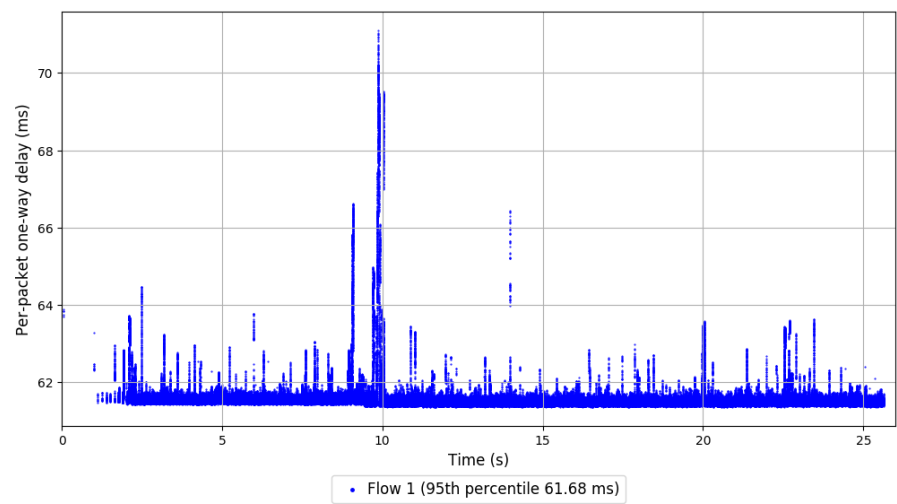
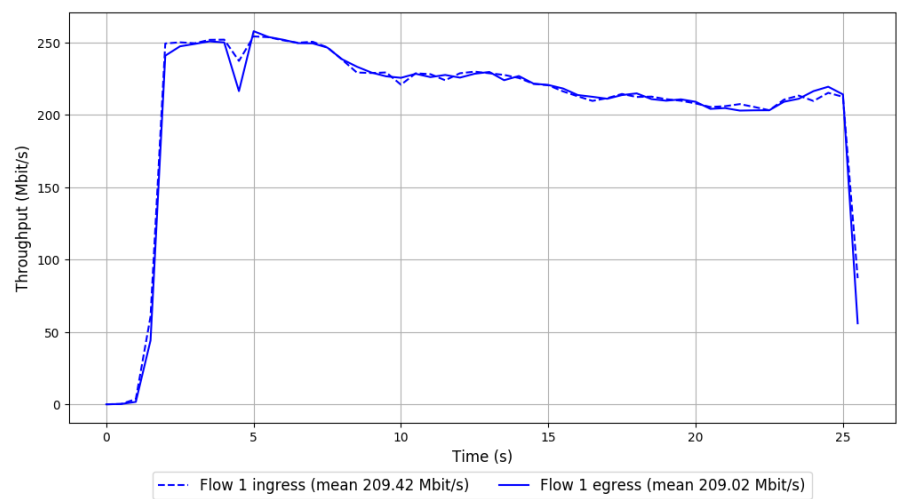
-- Flow 1:

Average throughput: 209.02 Mbit/s

95th percentile per-packet one-way delay: 61.680 ms

Loss rate: 0.69%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-31 01:34:29

End at: 2018-01-31 01:34:59

Below is generated by plot.py at 2018-01-31 05:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.23 Mbit/s

95th percentile per-packet one-way delay: 61.570 ms

Loss rate: 0.42%

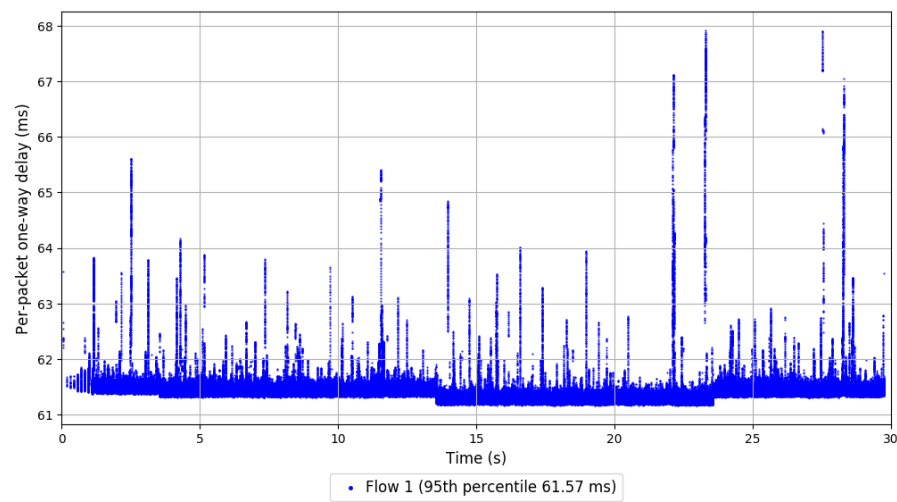
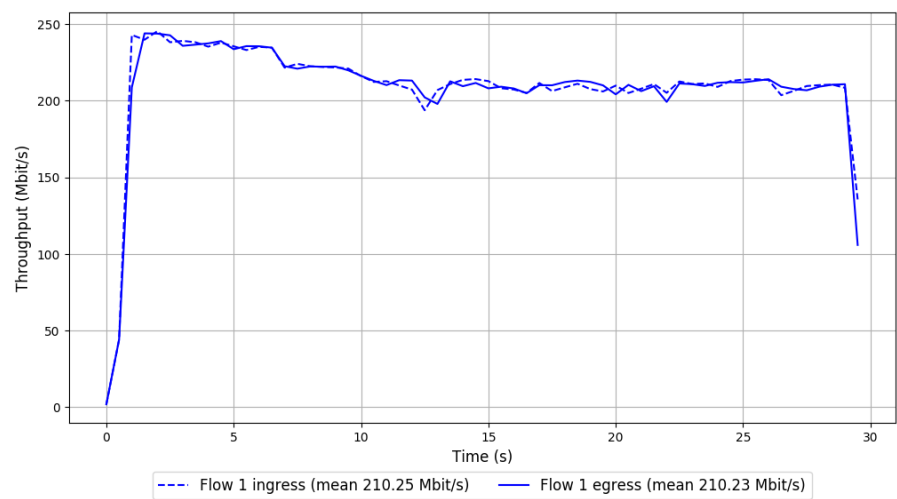
-- Flow 1:

Average throughput: 210.23 Mbit/s

95th percentile per-packet one-way delay: 61.570 ms

Loss rate: 0.42%

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

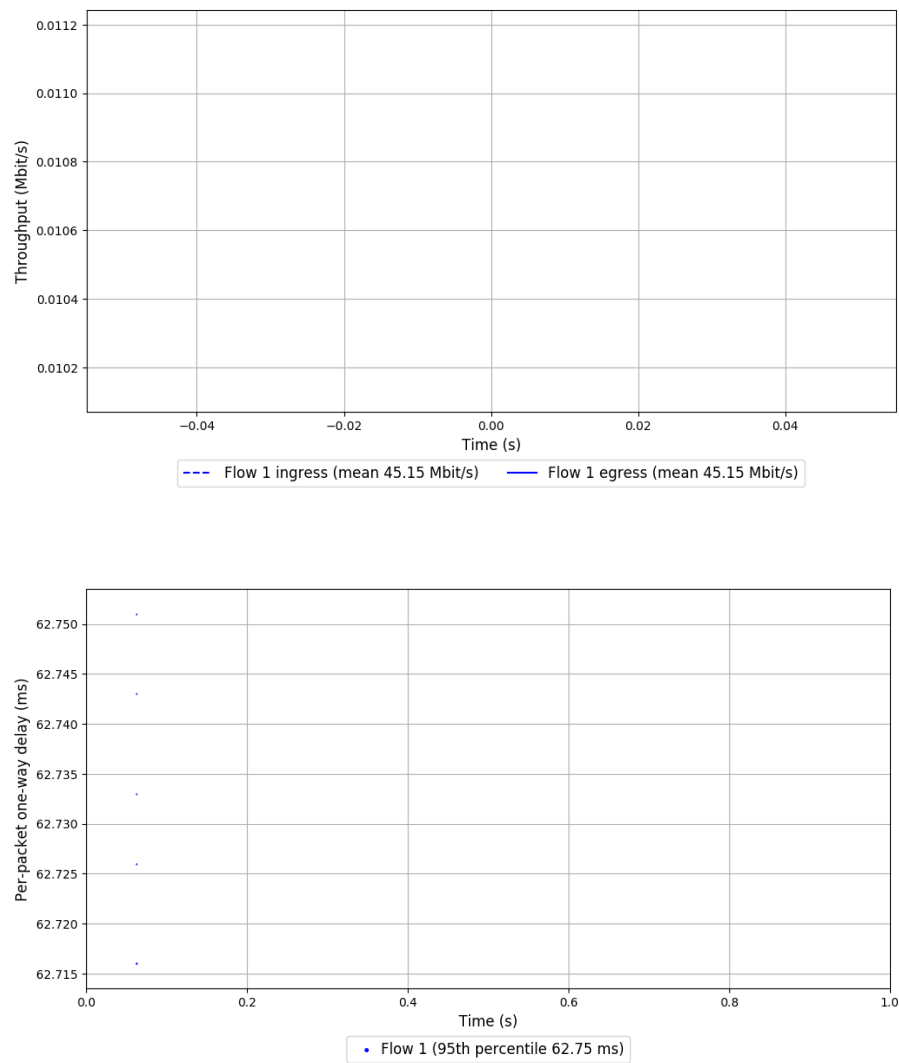


Run 5: Statistics of Indigo-1-32

Start at: 2018-01-31 01:48:00

End at: 2018-01-31 01:48:30

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

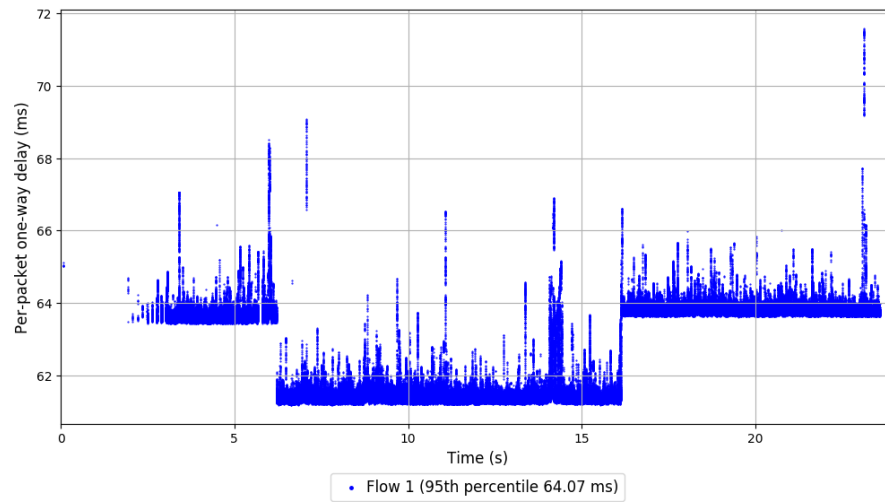
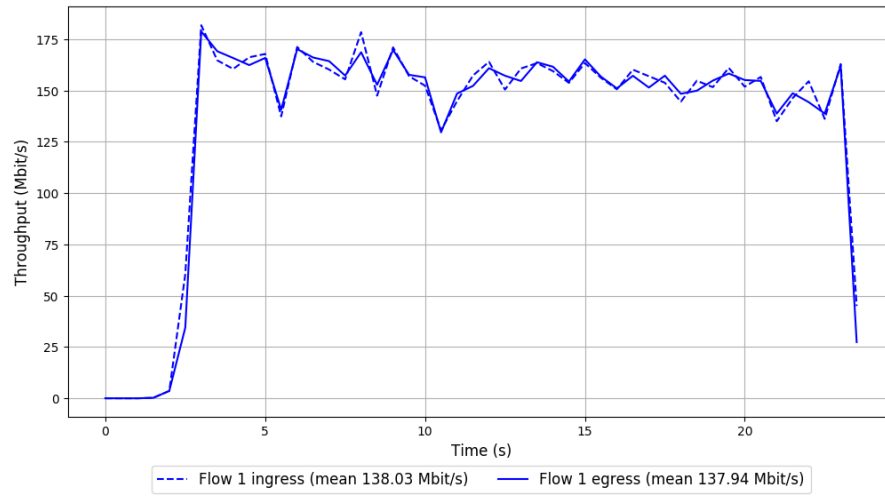


Run 6: Statistics of Indigo-1-32

Start at: 2018-01-31 02:01:30

End at: 2018-01-31 02:02:00

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-31 02:14:39

End at: 2018-01-31 02:15:09

Below is generated by plot.py at 2018-01-31 05:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.38 Mbit/s

95th percentile per-packet one-way delay: 63.980 ms

Loss rate: 0.44%

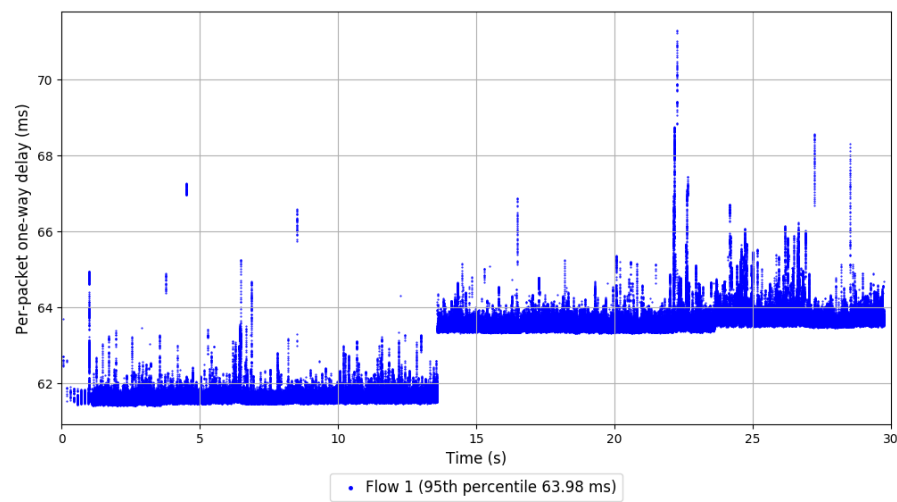
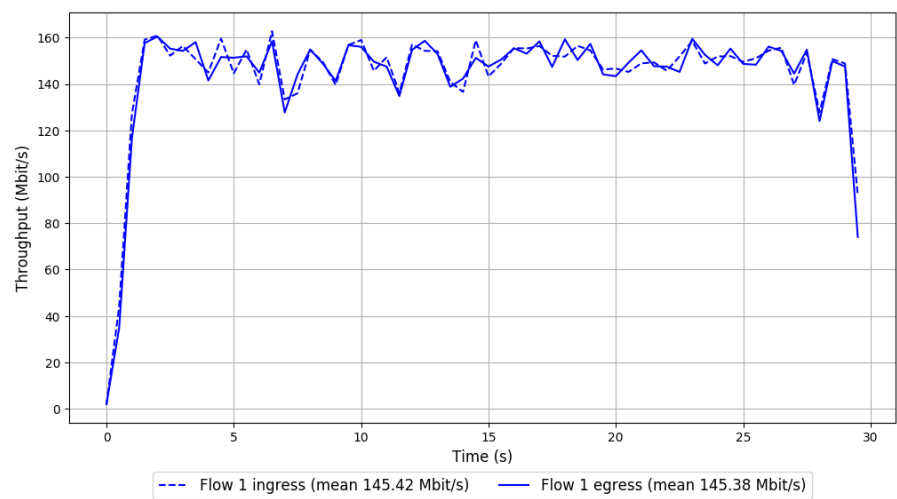
-- Flow 1:

Average throughput: 145.38 Mbit/s

95th percentile per-packet one-way delay: 63.980 ms

Loss rate: 0.44%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-31 02:27:51

End at: 2018-01-31 02:28:21

Below is generated by plot.py at 2018-01-31 05:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.04 Mbit/s

95th percentile per-packet one-way delay: 63.760 ms

Loss rate: 0.46%

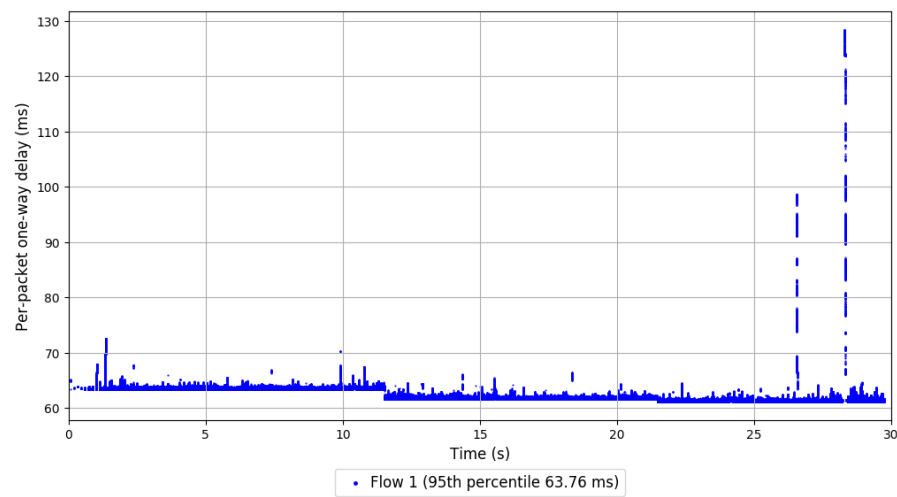
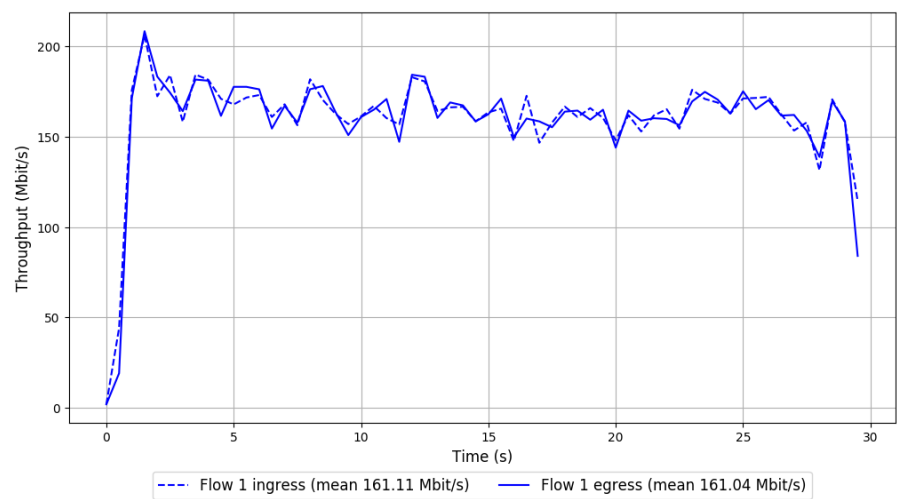
-- Flow 1:

Average throughput: 161.04 Mbit/s

95th percentile per-packet one-way delay: 63.760 ms

Loss rate: 0.46%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-31 02:41:19

End at: 2018-01-31 02:41:49

Below is generated by plot.py at 2018-01-31 05:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.35 Mbit/s

95th percentile per-packet one-way delay: 61.987 ms

Loss rate: 0.49%

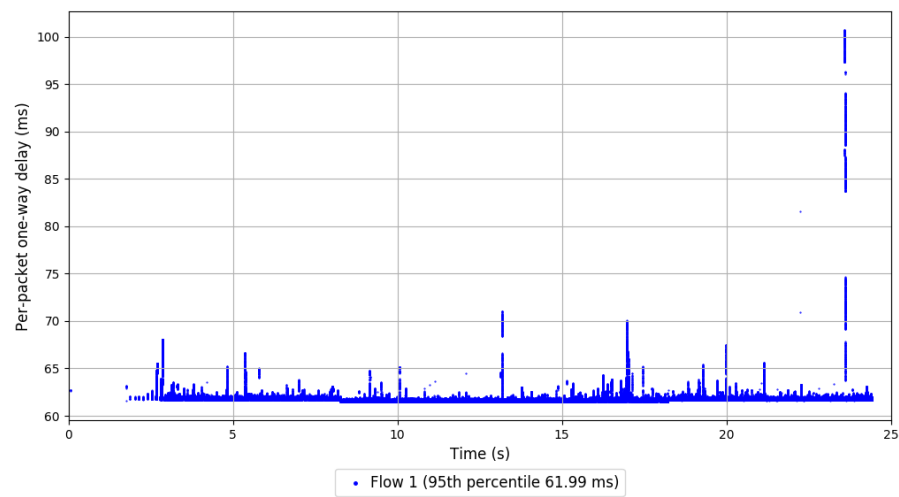
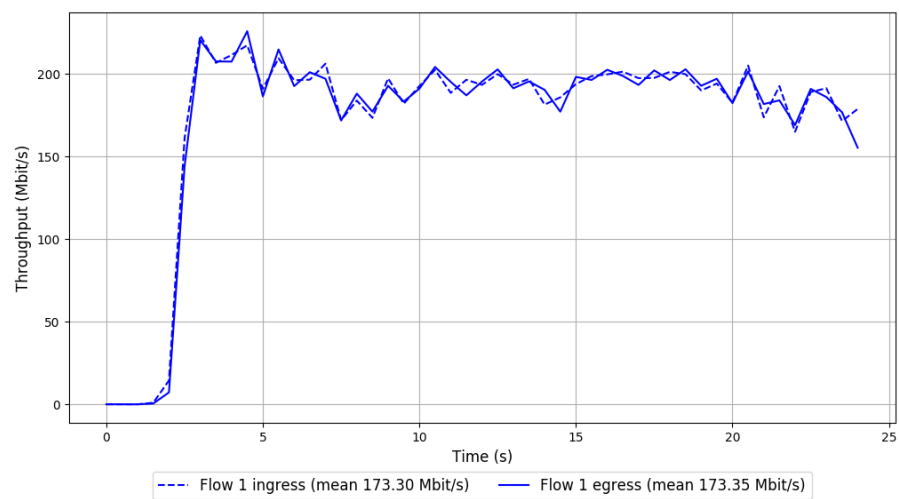
-- Flow 1:

Average throughput: 173.35 Mbit/s

95th percentile per-packet one-way delay: 61.987 ms

Loss rate: 0.49%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-31 02:55:04

End at: 2018-01-31 02:55:34

Below is generated by plot.py at 2018-01-31 06:00:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.36 Mbit/s

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

Loss rate: 0.42%

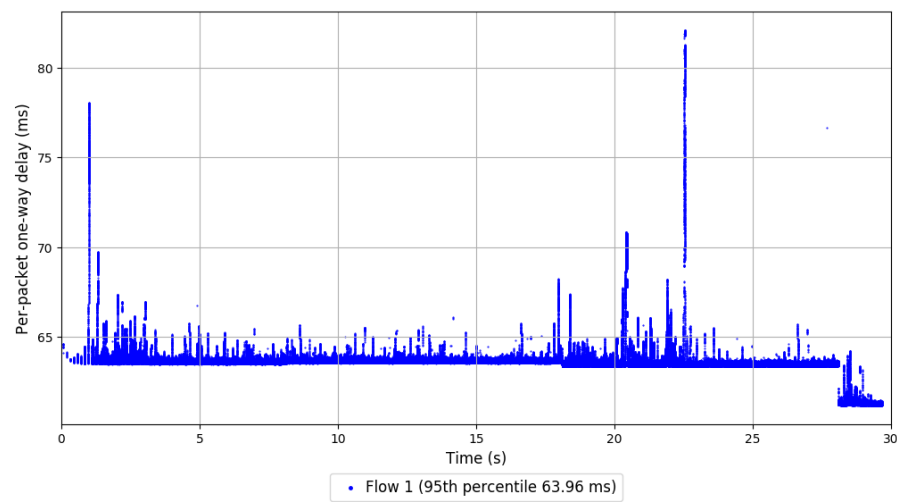
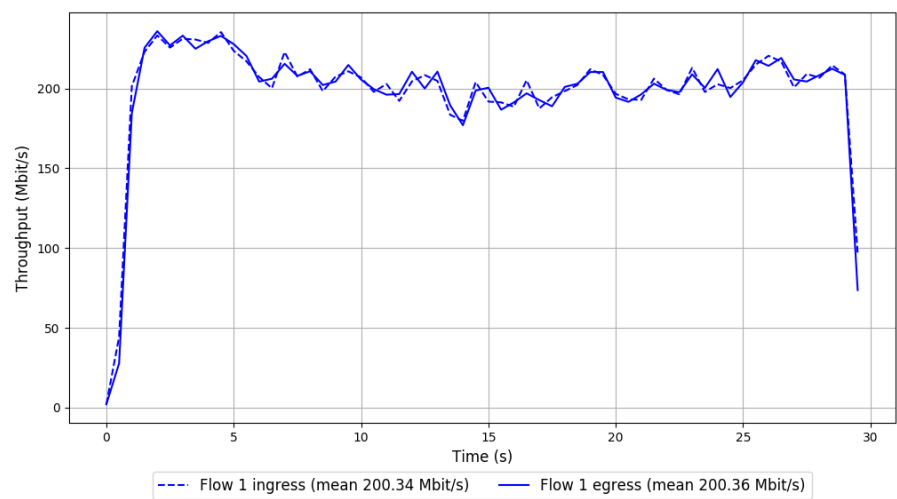
-- Flow 1:

Average throughput: 200.36 Mbit/s

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

Loss rate: 0.42%

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

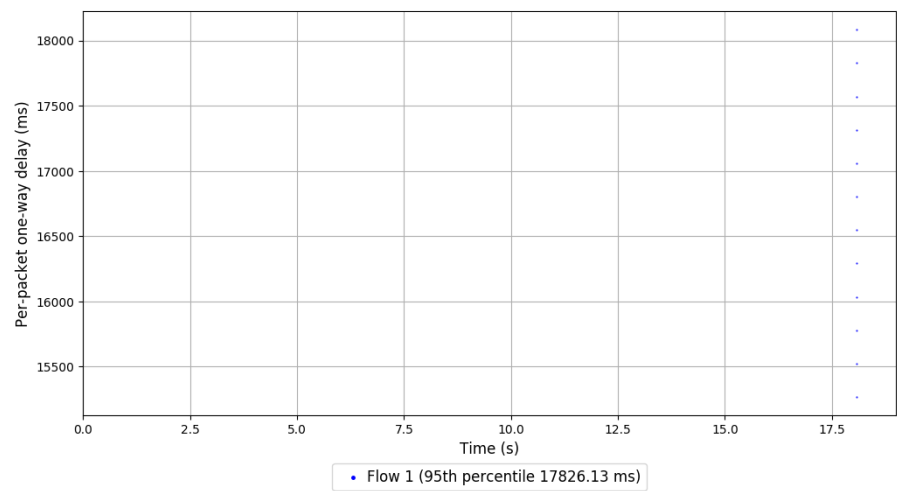
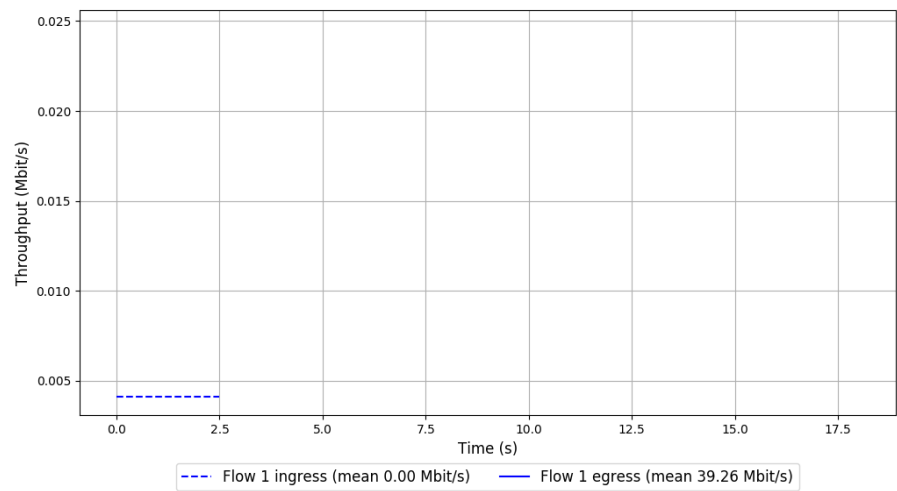


Run 1: Statistics of Vivace-latency

Start at: 2018-01-31 00:56:01

End at: 2018-01-31 00:56:31

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-31 01:09:34

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

Below is generated by plot.py at 2018-01-31 06:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.18 Mbit/s

95th percentile per-packet one-way delay: 92.694 ms

Loss rate: 0.69%

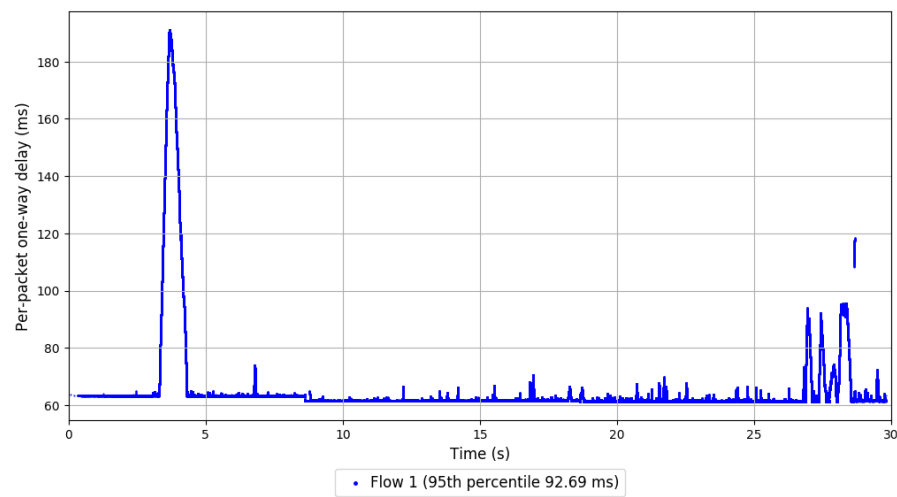
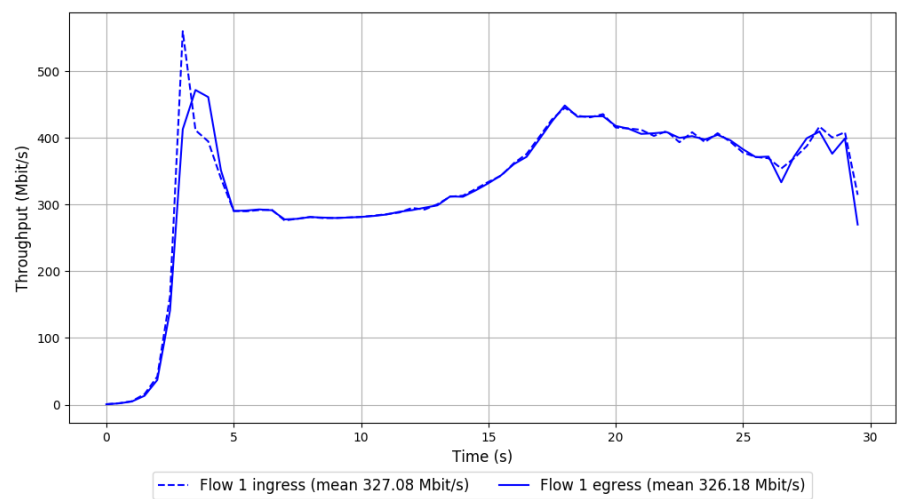
-- Flow 1:

Average throughput: 326.18 Mbit/s

95th percentile per-packet one-way delay: 92.694 ms

Loss rate: 0.69%

Run 2: Report of Vivace-latency — Data Link

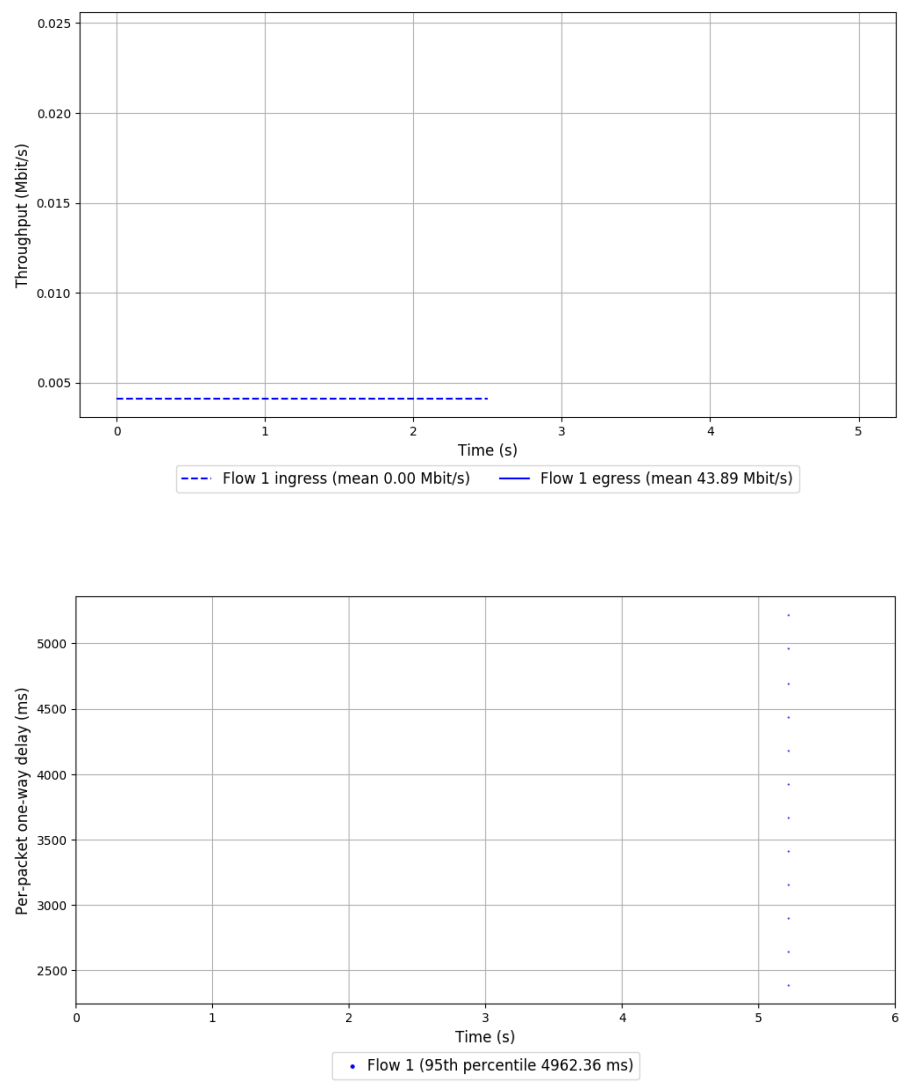


Run 3: Statistics of Vivace-latency

Start at: 2018-01-31 01:23:44

End at: 2018-01-31 01:24:14

Run 3: Report of Vivace-latency — Data Link

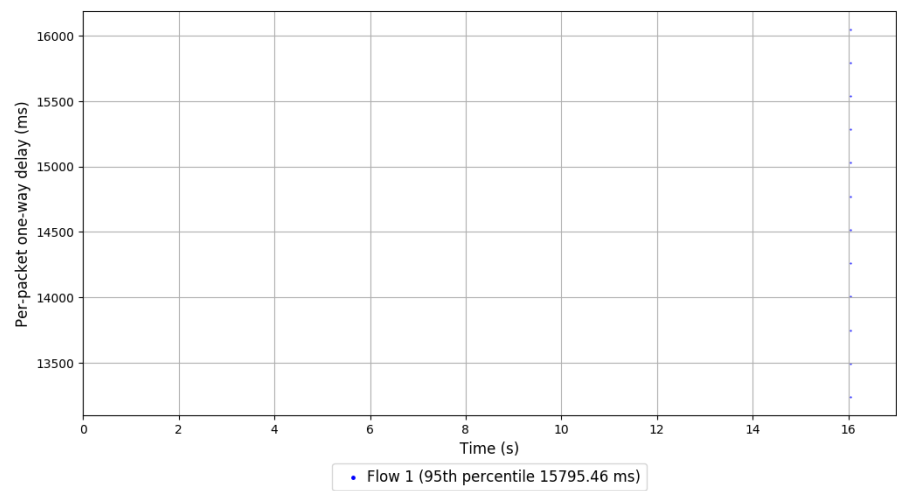
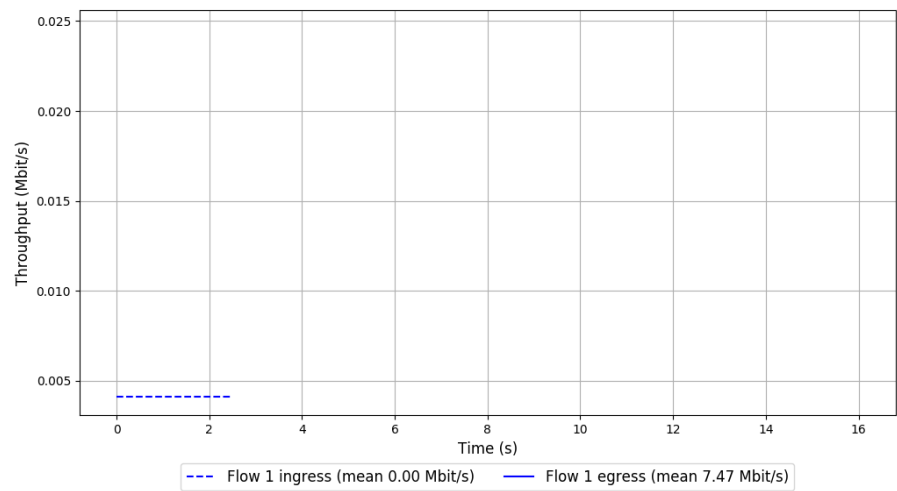


Run 4: Statistics of Vivace-latency

Start at: 2018-01-31 01:37:14

End at: 2018-01-31 01:37:45

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-31 01:50:27

End at: 2018-01-31 01:50:57

Below is generated by plot.py at 2018-01-31 06:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.65 Mbit/s

95th percentile per-packet one-way delay: 64.125 ms

Loss rate: 0.48%

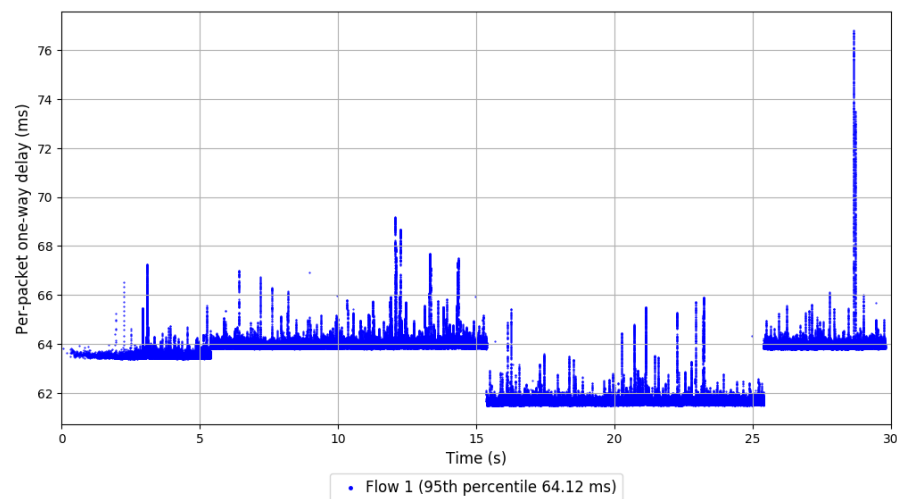
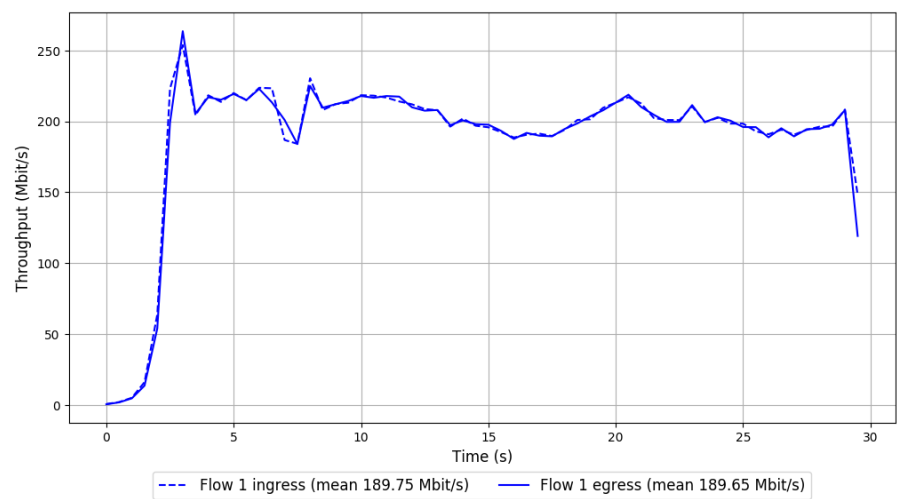
-- Flow 1:

Average throughput: 189.65 Mbit/s

95th percentile per-packet one-way delay: 64.125 ms

Loss rate: 0.48%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-31 02:03:59

End at: 2018-01-31 02:04:29

Run 6: Report of Vivace-latency — Data Link

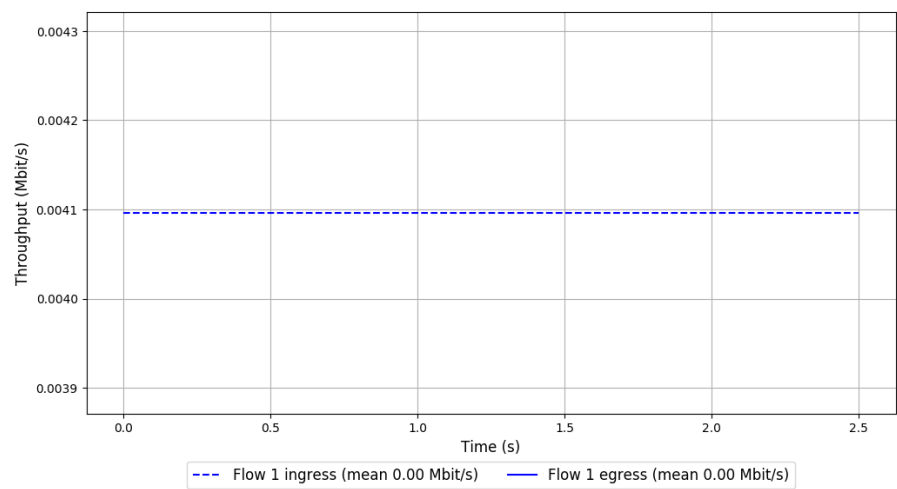


Figure is missing

Run 7: Statistics of Vivace-latency

Start at: 2018-01-31 02:17:12

End at: 2018-01-31 02:17:42

Run 7: Report of Vivace-latency — Data Link

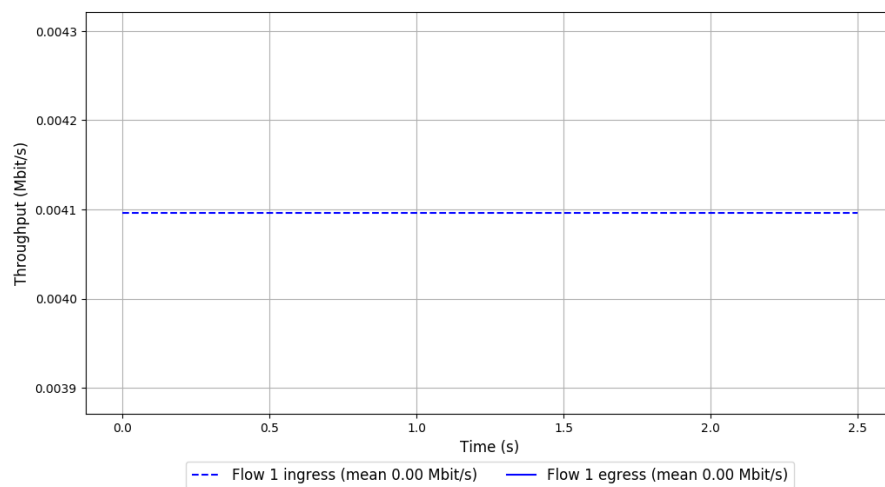


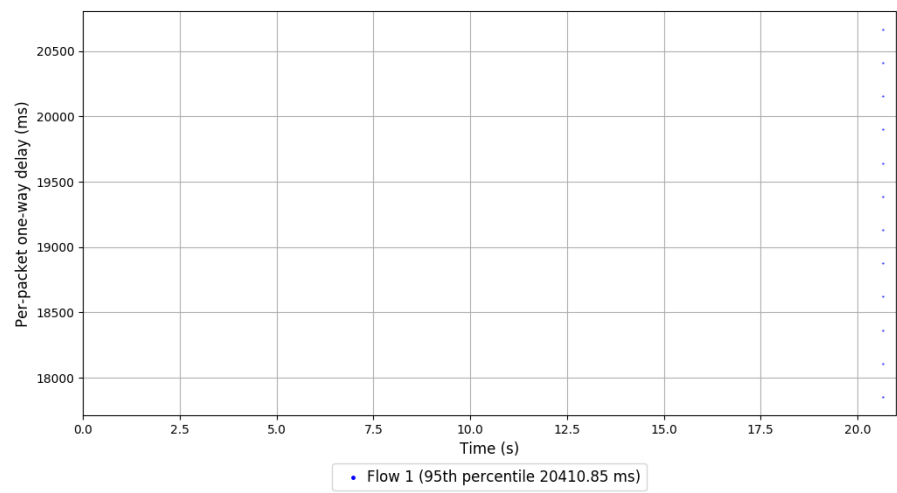
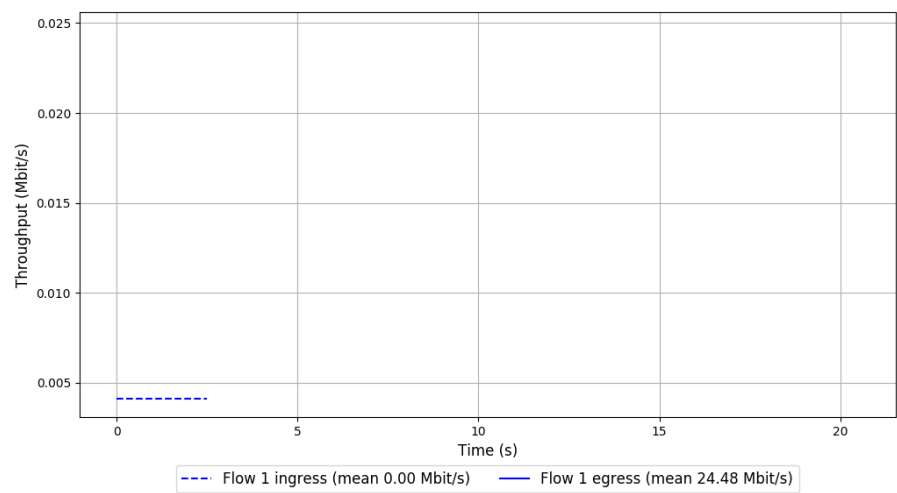
Figure is missing

Run 8: Statistics of Vivace-latency

Start at: 2018-01-31 02:30:35

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

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-31 02:44:03

End at: 2018-01-31 02:44:33

Below is generated by plot.py at 2018-01-31 06:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.27 Mbit/s

95th percentile per-packet one-way delay: 66.536 ms

Loss rate: 0.40%

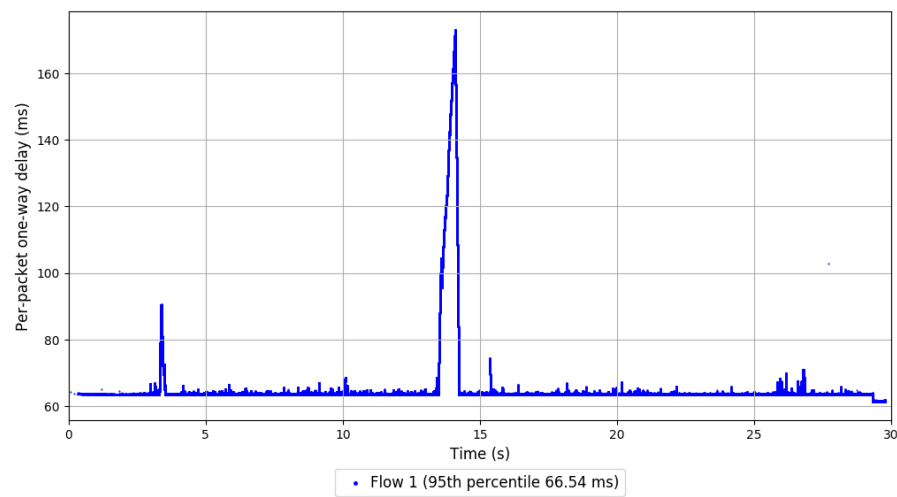
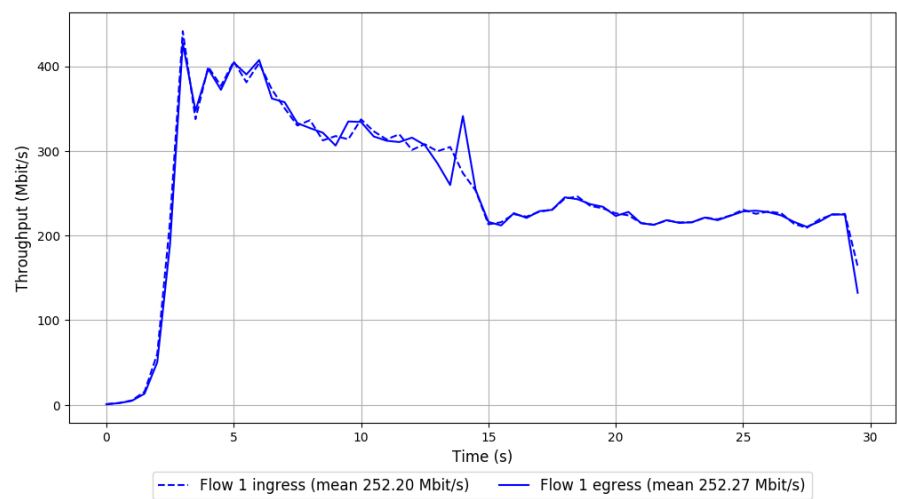
-- Flow 1:

Average throughput: 252.27 Mbit/s

95th percentile per-packet one-way delay: 66.536 ms

Loss rate: 0.40%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

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

End at: 2018-01-31 02:58:27

Below is generated by plot.py at 2018-01-31 06:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.97 Mbit/s

95th percentile per-packet one-way delay: 64.001 ms

Loss rate: 0.86%

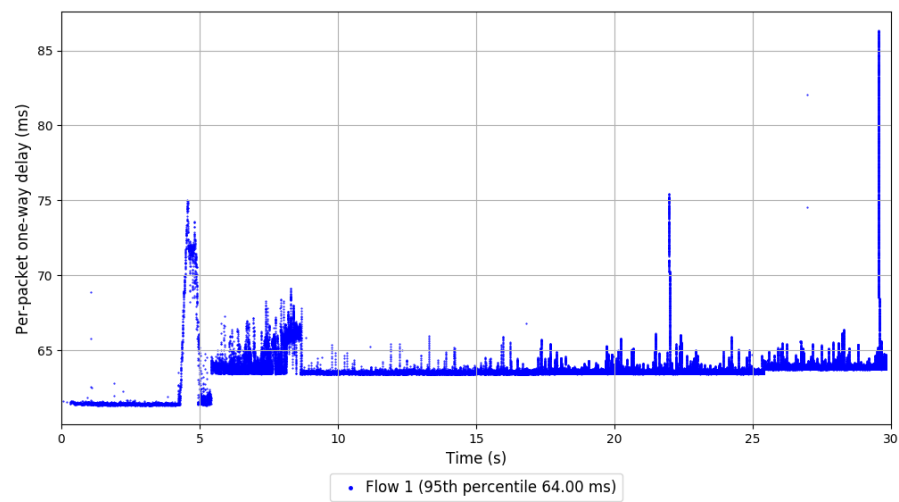
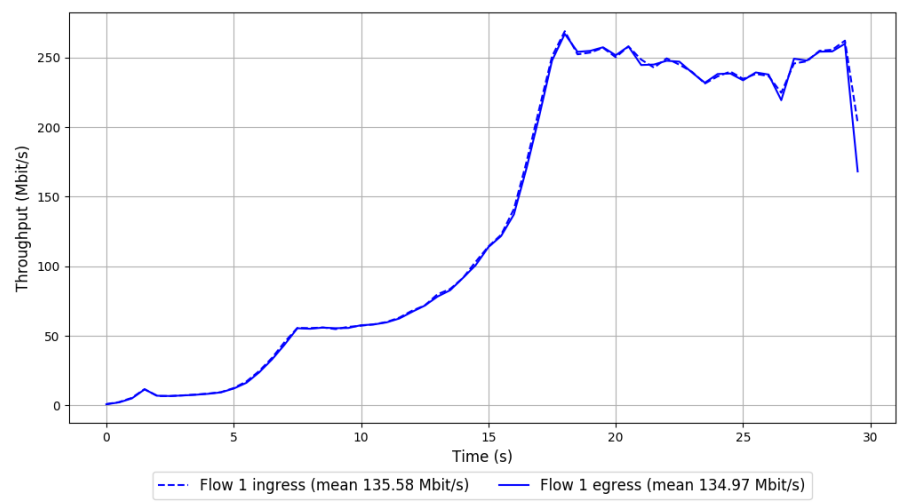
-- Flow 1:

Average throughput: 134.97 Mbit/s

95th percentile per-packet one-way delay: 64.001 ms

Loss rate: 0.86%

Run 10: Report of Vivace-latency — Data Link

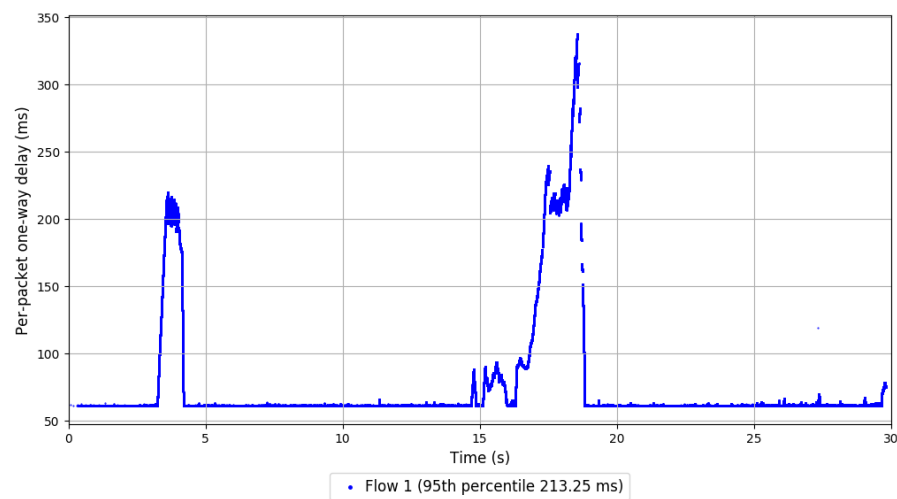
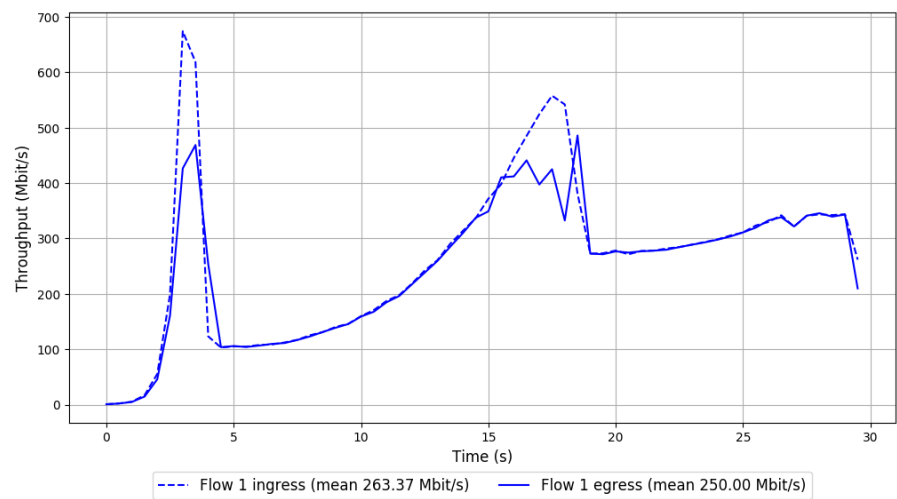


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-31 00:54:07
End at: 2018-01-31 00:54:38

# Below is generated by plot.py at 2018-01-31 06:04:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.00 Mbit/s
95th percentile per-packet one-way delay: 213.252 ms
Loss rate: 5.47%
-- Flow 1:
Average throughput: 250.00 Mbit/s
95th percentile per-packet one-way delay: 213.252 ms
Loss rate: 5.47%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-31 01:07:32

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

Below is generated by plot.py at 2018-01-31 06:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.77 Mbit/s

95th percentile per-packet one-way delay: 213.044 ms

Loss rate: 3.80%

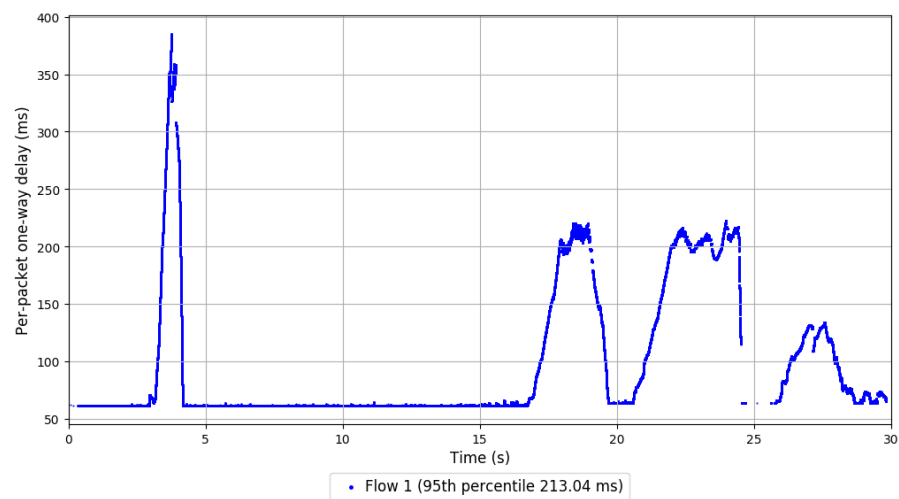
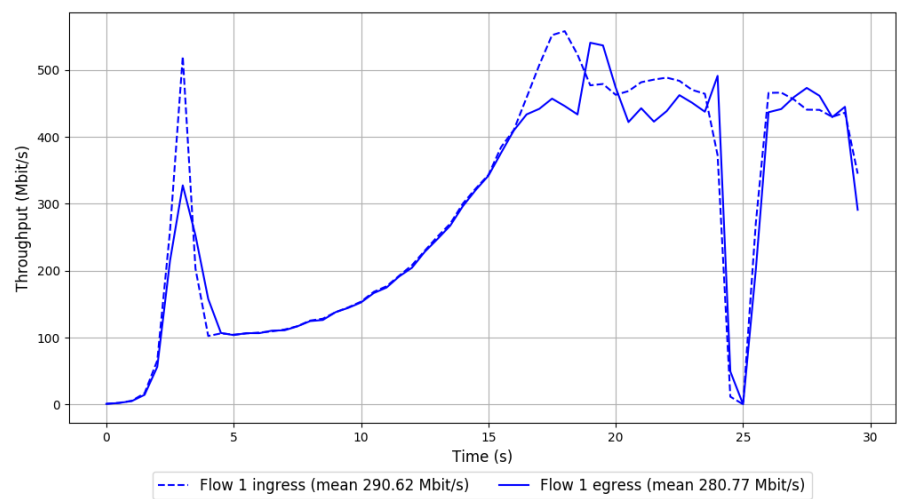
-- Flow 1:

Average throughput: 280.77 Mbit/s

95th percentile per-packet one-way delay: 213.044 ms

Loss rate: 3.80%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-31 01:21:38

End at: 2018-01-31 01:22:08

Below is generated by plot.py at 2018-01-31 06:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.88 Mbit/s

95th percentile per-packet one-way delay: 199.005 ms

Loss rate: 1.43%

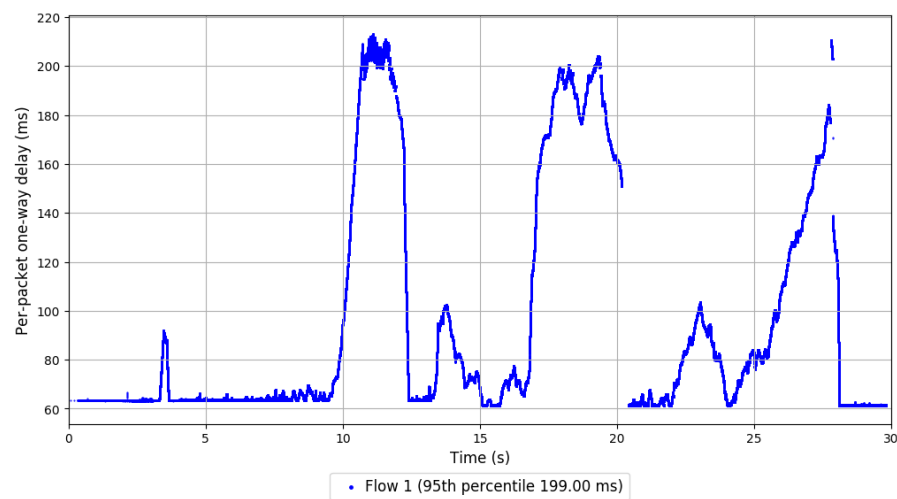
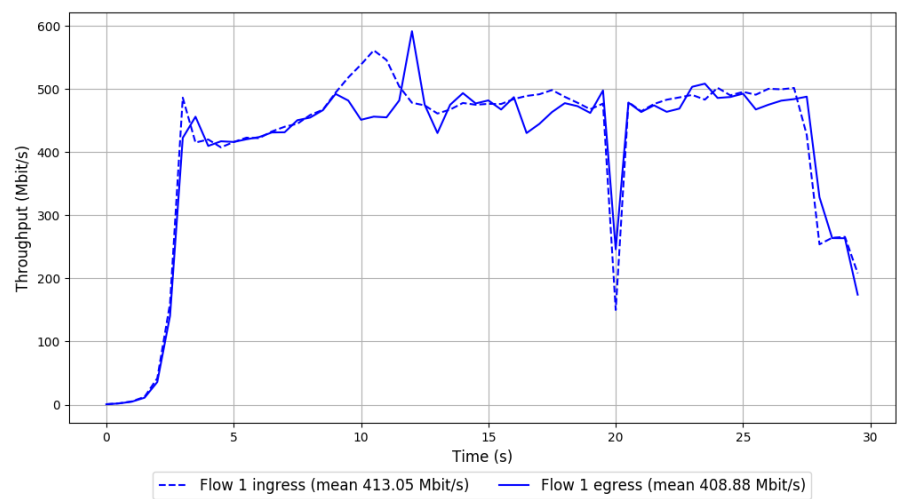
-- Flow 1:

Average throughput: 408.88 Mbit/s

95th percentile per-packet one-way delay: 199.005 ms

Loss rate: 1.43%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-31 01:35:20

End at: 2018-01-31 01:35:50

Below is generated by plot.py at 2018-01-31 06:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.17 Mbit/s

95th percentile per-packet one-way delay: 209.155 ms

Loss rate: 3.73%

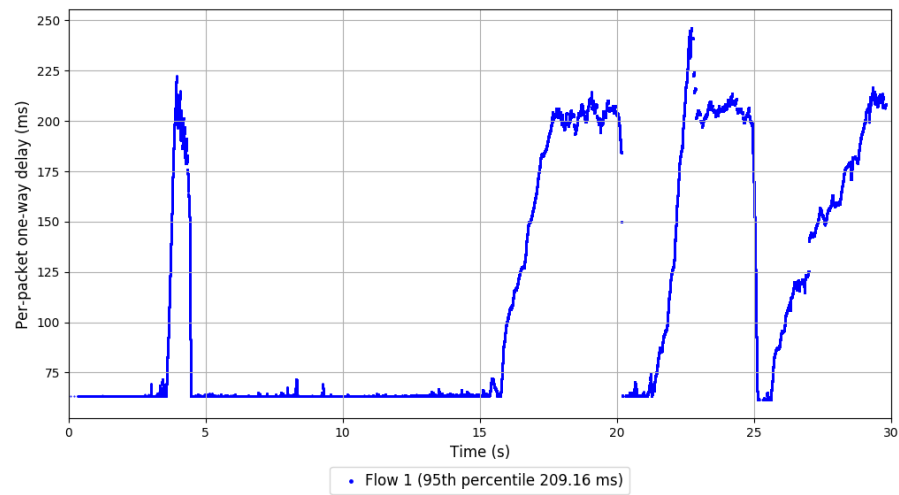
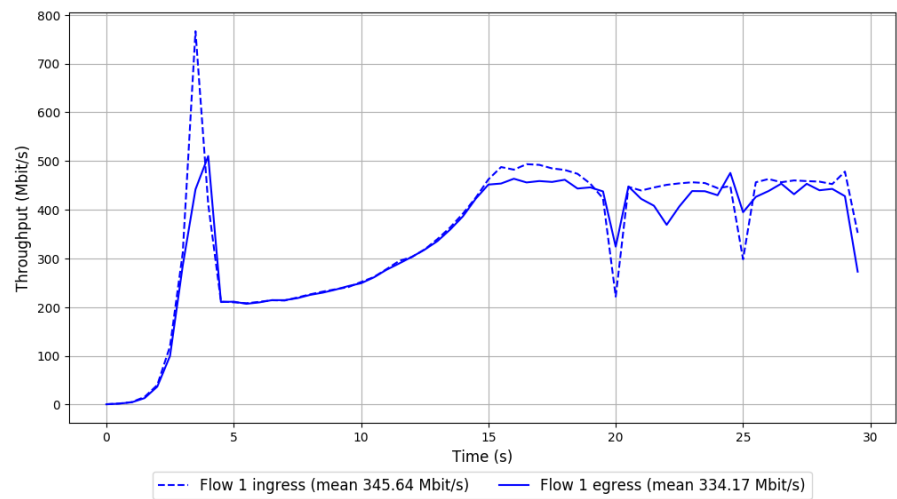
-- Flow 1:

Average throughput: 334.17 Mbit/s

95th percentile per-packet one-way delay: 209.155 ms

Loss rate: 3.73%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

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

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

Below is generated by plot.py at 2018-01-31 06:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.45 Mbit/s

95th percentile per-packet one-way delay: 72.760 ms

Loss rate: 0.36%

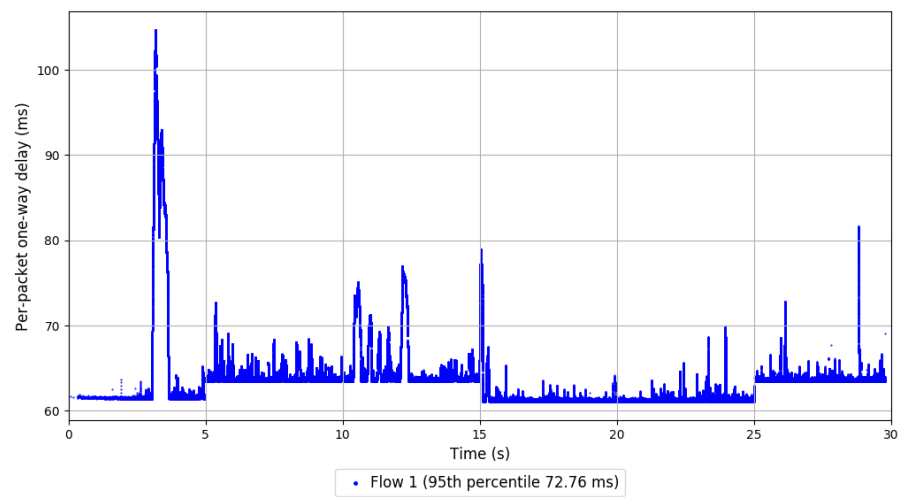
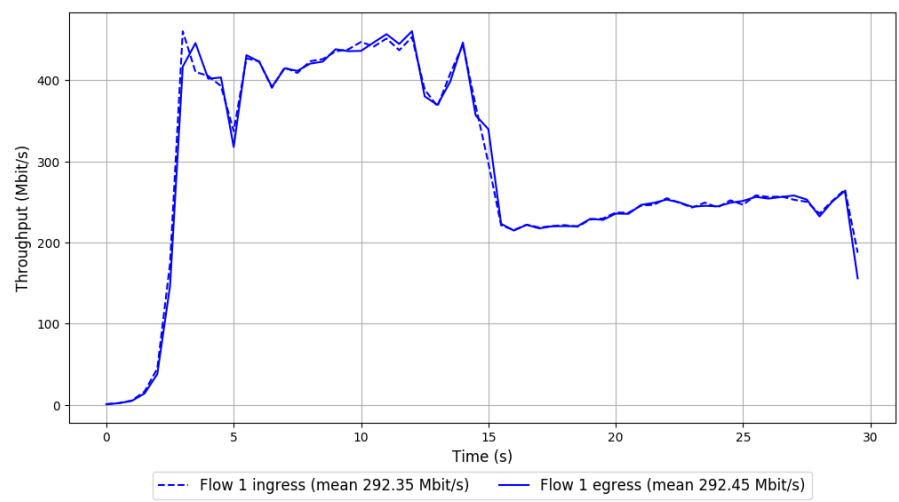
-- Flow 1:

Average throughput: 292.45 Mbit/s

95th percentile per-packet one-way delay: 72.760 ms

Loss rate: 0.36%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-31 02:02:16

End at: 2018-01-31 02:02:46

Below is generated by plot.py at 2018-01-31 06:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.64 Mbit/s

95th percentile per-packet one-way delay: 185.567 ms

Loss rate: 1.06%

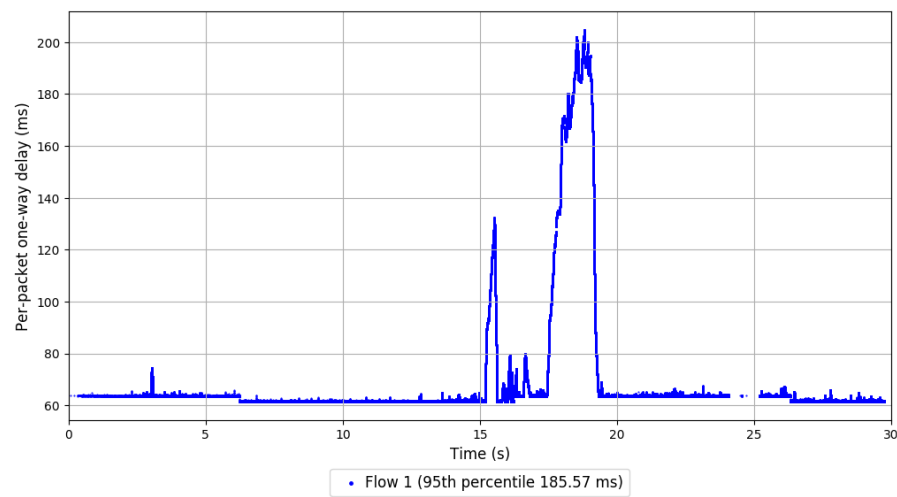
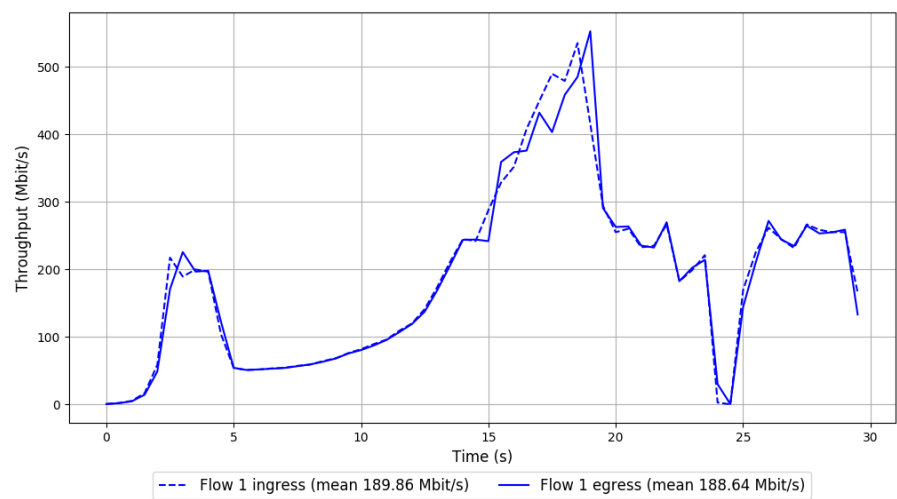
-- Flow 1:

Average throughput: 188.64 Mbit/s

95th percentile per-packet one-way delay: 185.567 ms

Loss rate: 1.06%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-31 02:15:26

End at: 2018-01-31 02:15:56

Below is generated by plot.py at 2018-01-31 06:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.34 Mbit/s

95th percentile per-packet one-way delay: 64.860 ms

Loss rate: 0.53%

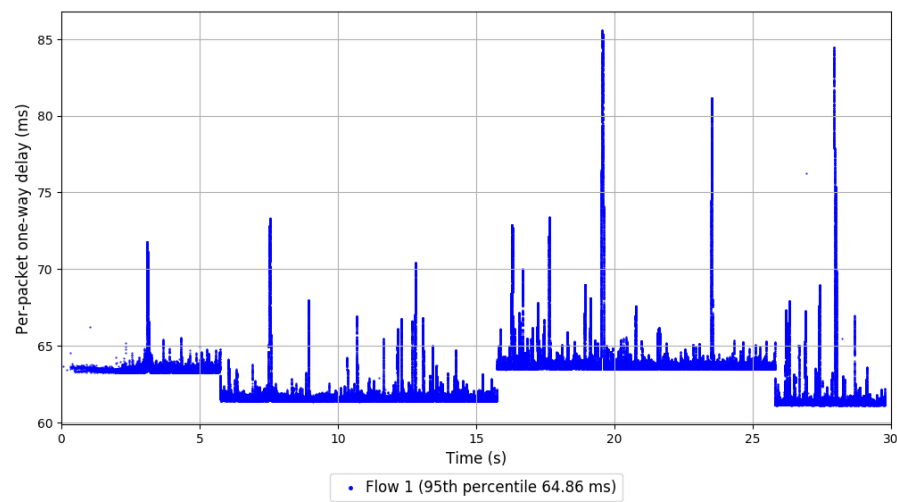
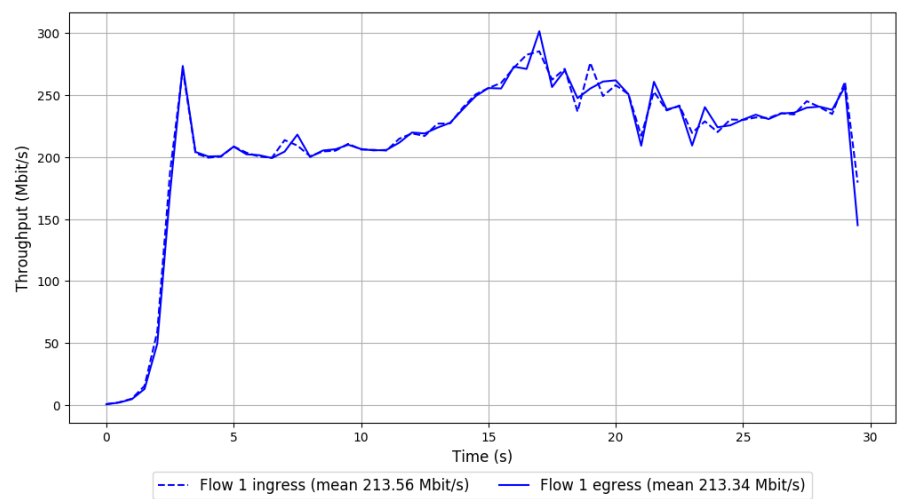
-- Flow 1:

Average throughput: 213.34 Mbit/s

95th percentile per-packet one-way delay: 64.860 ms

Loss rate: 0.53%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-31 02:28:39

End at: 2018-01-31 02:29:09

Below is generated by plot.py at 2018-01-31 06:07:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.16 Mbit/s

95th percentile per-packet one-way delay: 64.035 ms

Loss rate: 0.44%

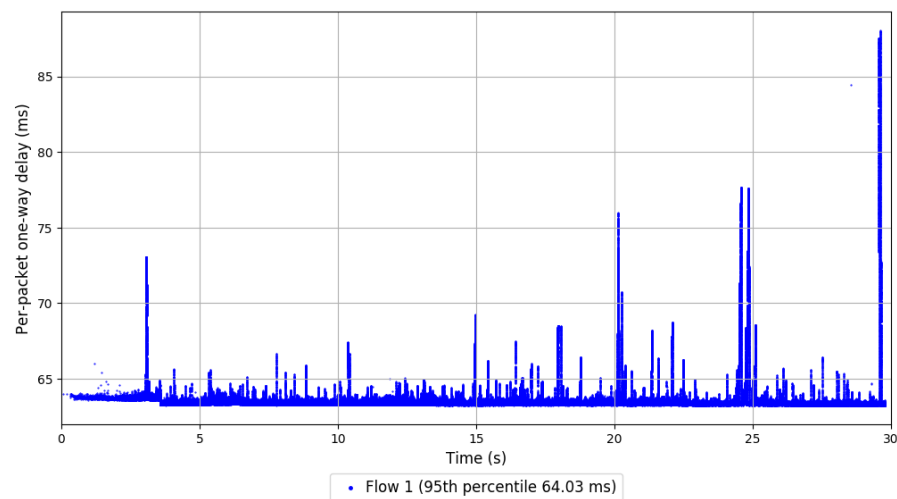
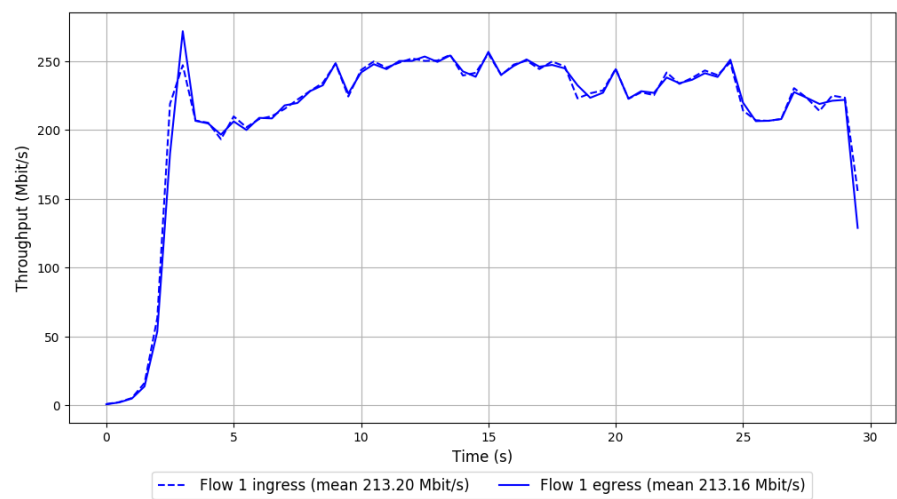
-- Flow 1:

Average throughput: 213.16 Mbit/s

95th percentile per-packet one-way delay: 64.035 ms

Loss rate: 0.44%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-31 02:42:05

End at: 2018-01-31 02:42:35

Below is generated by plot.py at 2018-01-31 06:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.16 Mbit/s

95th percentile per-packet one-way delay: 182.023 ms

Loss rate: 1.46%

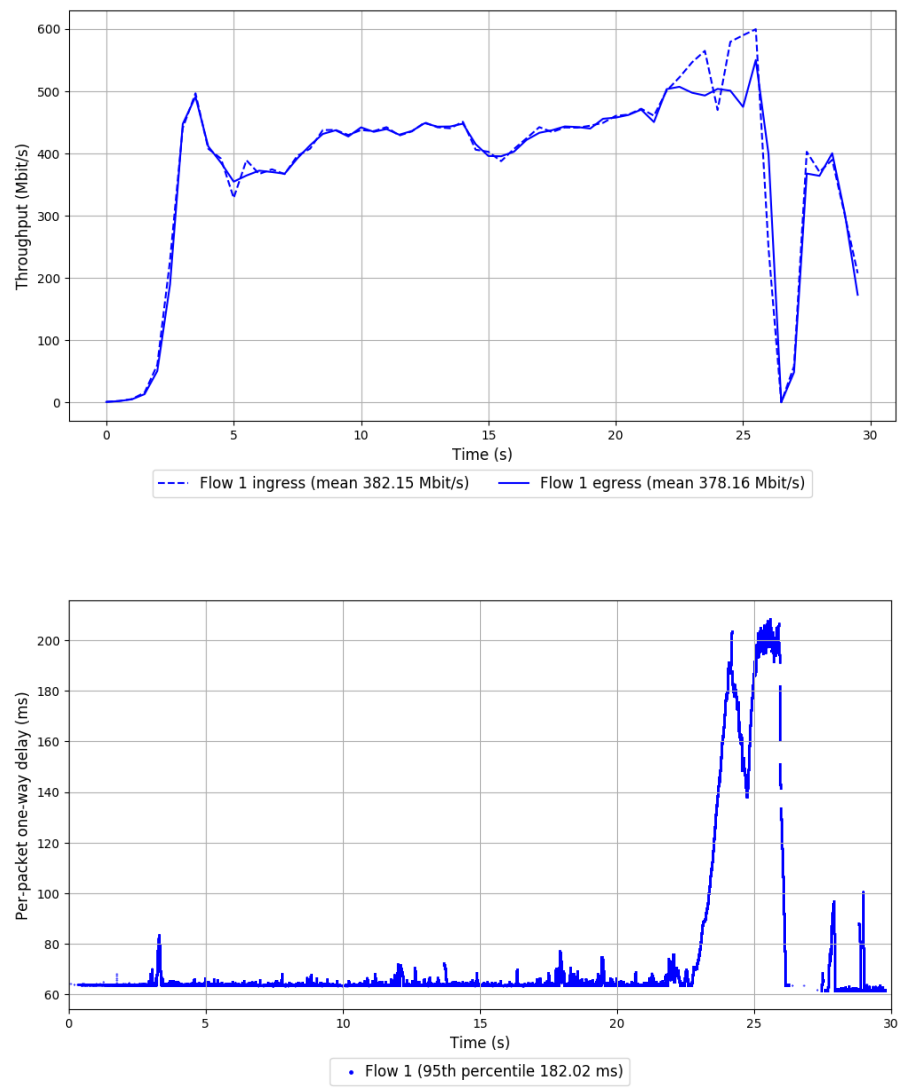
-- Flow 1:

Average throughput: 378.16 Mbit/s

95th percentile per-packet one-way delay: 182.023 ms

Loss rate: 1.46%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-31 02:55:54

End at: 2018-01-31 02:56:24

Below is generated by plot.py at 2018-01-31 06:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.25 Mbit/s

95th percentile per-packet one-way delay: 69.206 ms

Loss rate: 1.49%

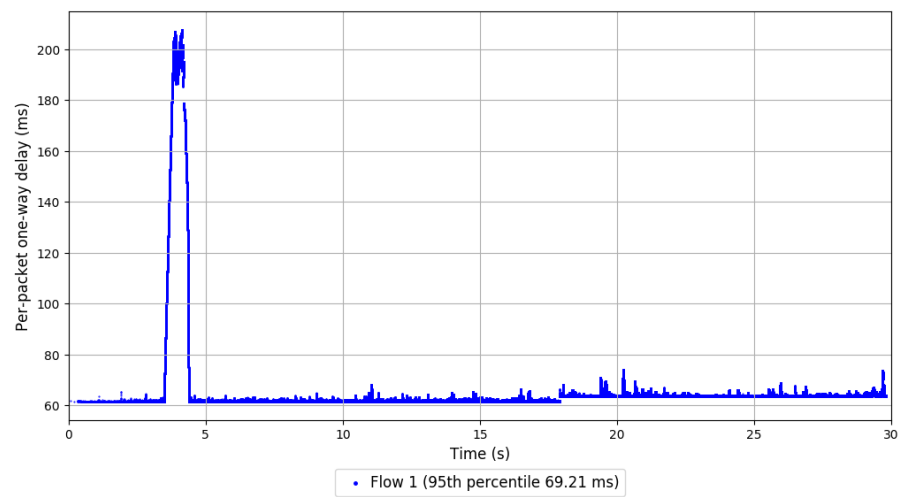
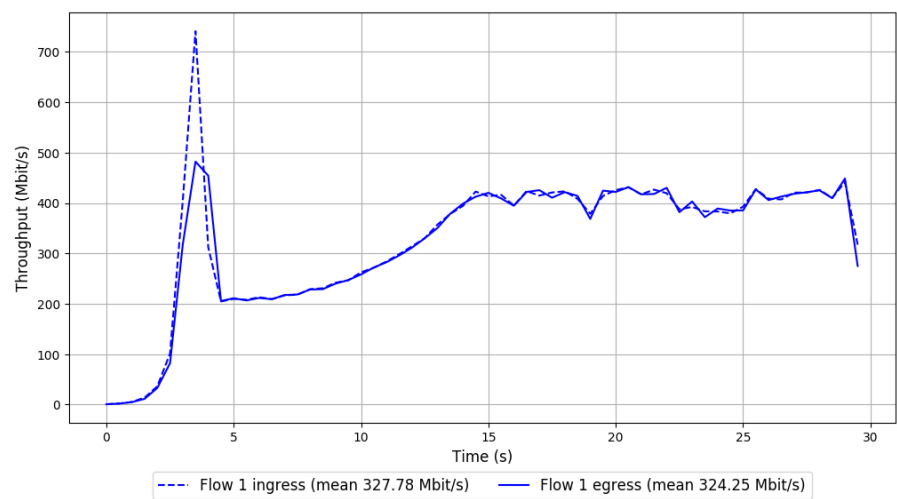
-- Flow 1:

Average throughput: 324.25 Mbit/s

95th percentile per-packet one-way delay: 69.206 ms

Loss rate: 1.49%

Run 10: Report of Vivace-loss — Data Link

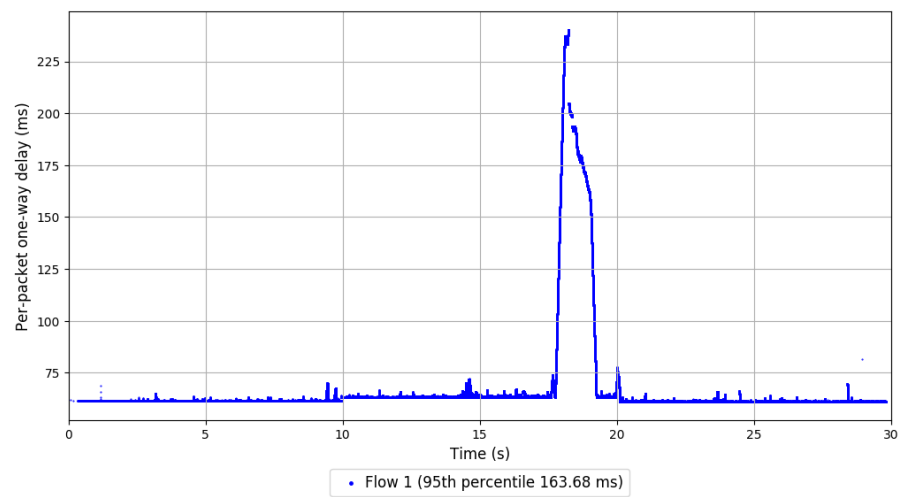
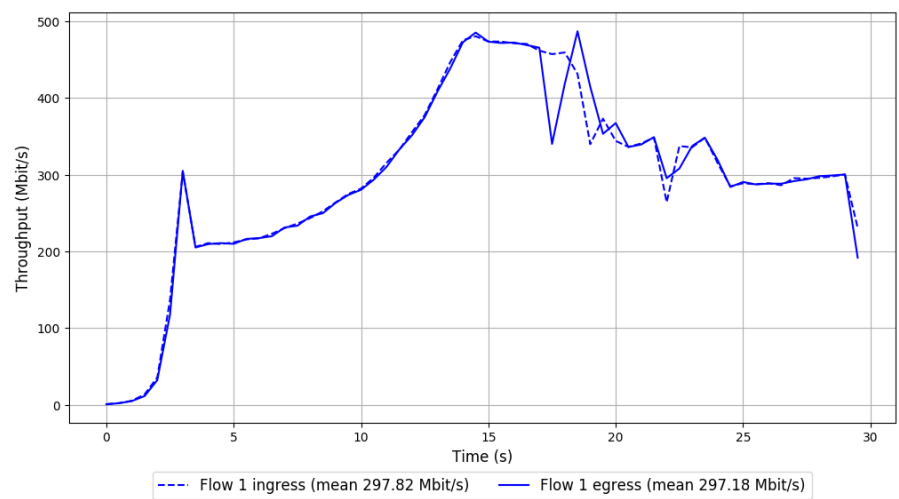


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-31 00:55:02
End at: 2018-01-31 00:55:32

# Below is generated by plot.py at 2018-01-31 06:12:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 297.18 Mbit/s
95th percentile per-packet one-way delay: 163.682 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 297.18 Mbit/s
95th percentile per-packet one-way delay: 163.682 ms
Loss rate: 0.63%
```


Run 1: Report of Vivace-LTE — Data Link

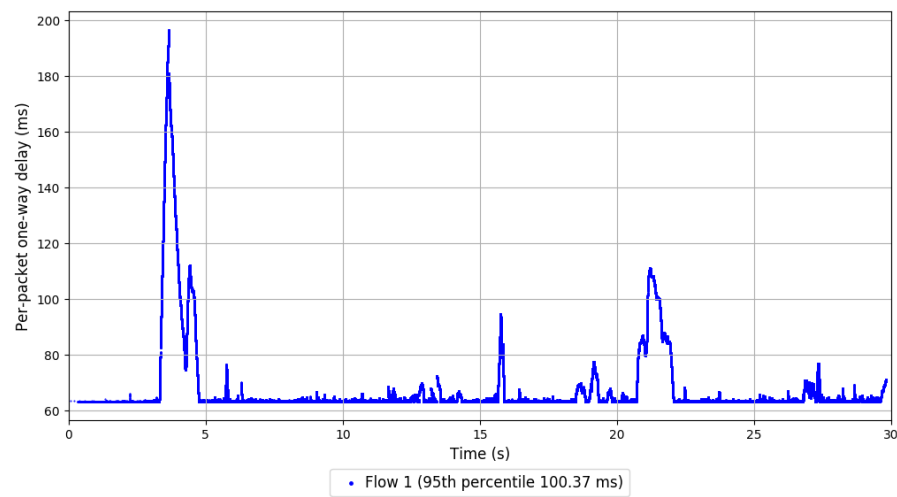
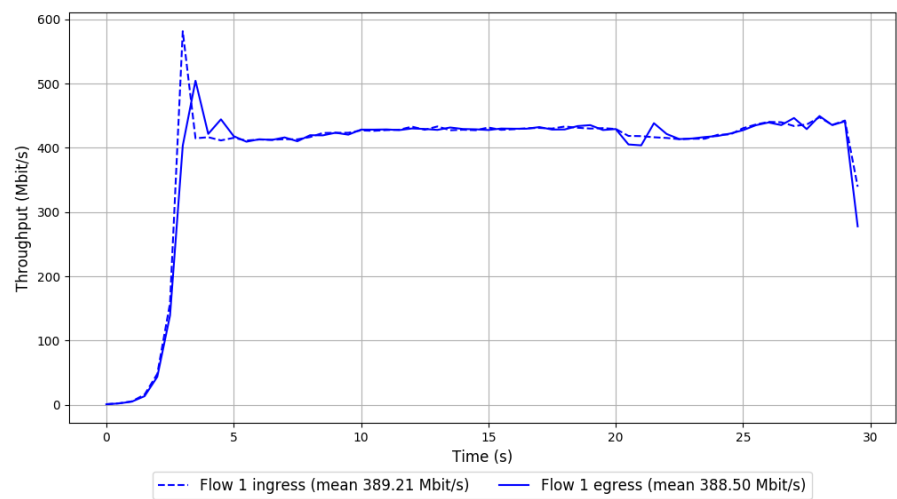


```
Run 2: Statistics of Vivace-LTE

Start at: 2018-01-31 01:08:29
End at: 2018-01-31 01:09:00

# Below is generated by plot.py at 2018-01-31 06:14:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.50 Mbit/s
95th percentile per-packet one-way delay: 100.371 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 388.50 Mbit/s
95th percentile per-packet one-way delay: 100.371 ms
Loss rate: 0.61%
```

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-31 01:22:43

End at: 2018-01-31 01:23:13

Below is generated by plot.py at 2018-01-31 06:14:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.84 Mbit/s

95th percentile per-packet one-way delay: 74.905 ms

Loss rate: 0.97%

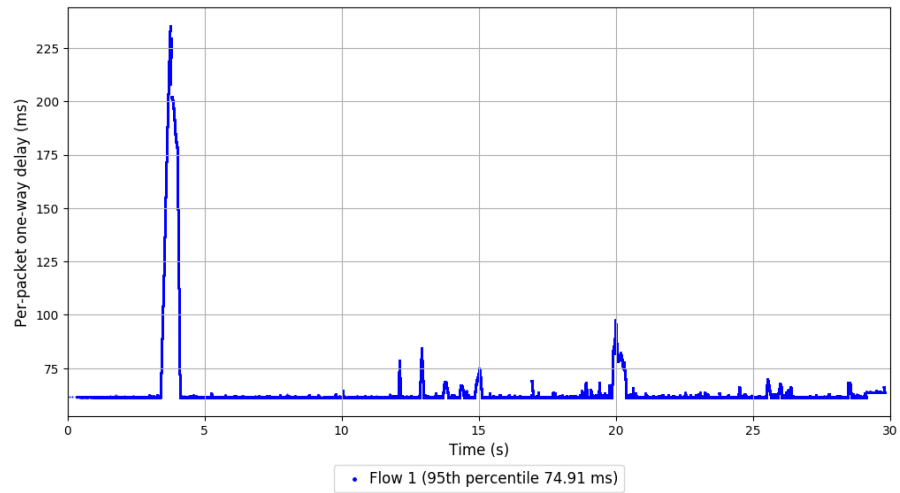
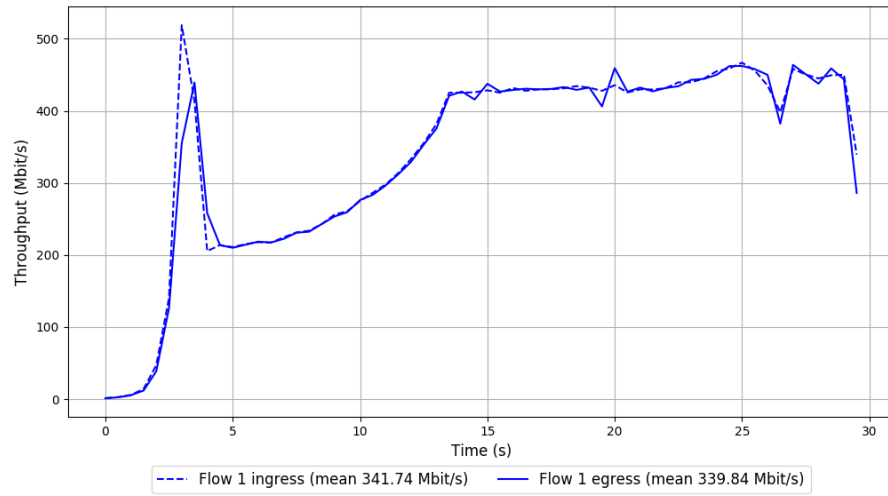
-- Flow 1:

Average throughput: 339.84 Mbit/s

95th percentile per-packet one-way delay: 74.905 ms

Loss rate: 0.97%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-31 01:36:20

End at: 2018-01-31 01:36:50

Below is generated by plot.py at 2018-01-31 06:14:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.14 Mbit/s

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

Loss rate: 0.50%

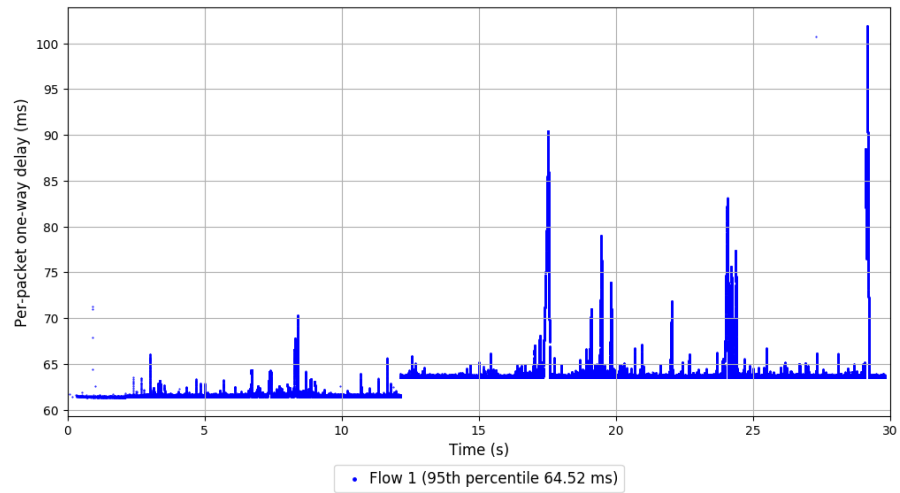
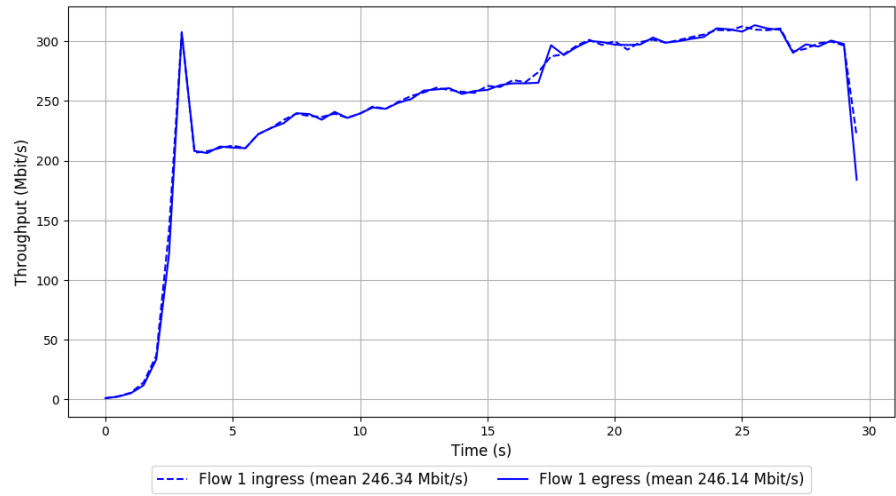
-- Flow 1:

Average throughput: 246.14 Mbit/s

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

Loss rate: 0.50%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-31 01:49:35

End at: 2018-01-31 01:50:05

Below is generated by plot.py at 2018-01-31 06:14:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.94 Mbit/s

95th percentile per-packet one-way delay: 64.275 ms

Loss rate: 0.51%

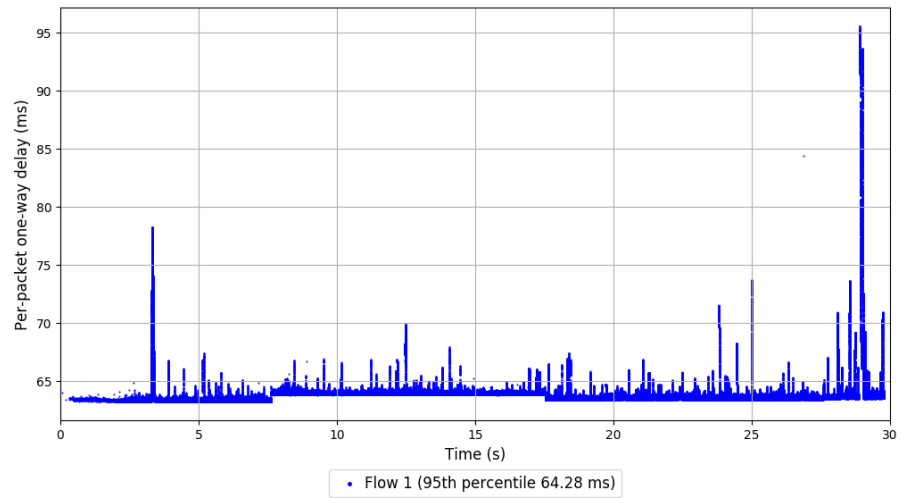
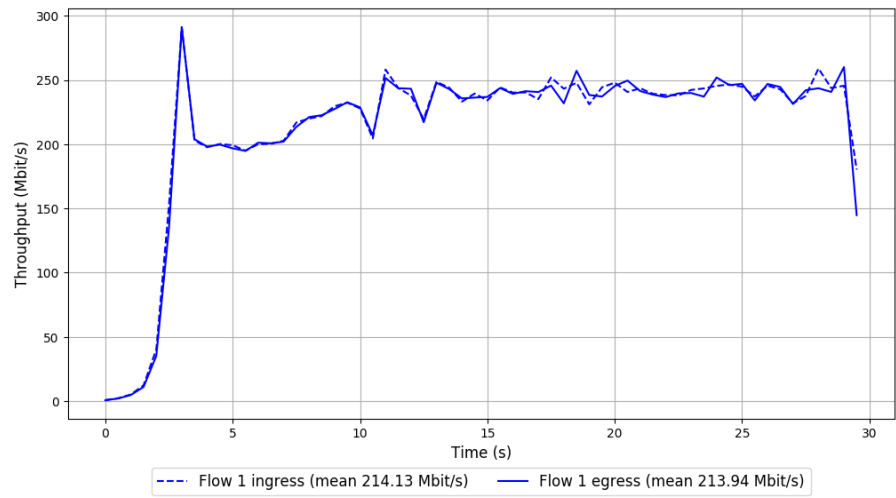
-- Flow 1:

Average throughput: 213.94 Mbit/s

95th percentile per-packet one-way delay: 64.275 ms

Loss rate: 0.51%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-31 02:03:07

End at: 2018-01-31 02:03:37

Below is generated by plot.py at 2018-01-31 06:14:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.20 Mbit/s

95th percentile per-packet one-way delay: 64.516 ms

Loss rate: 0.43%

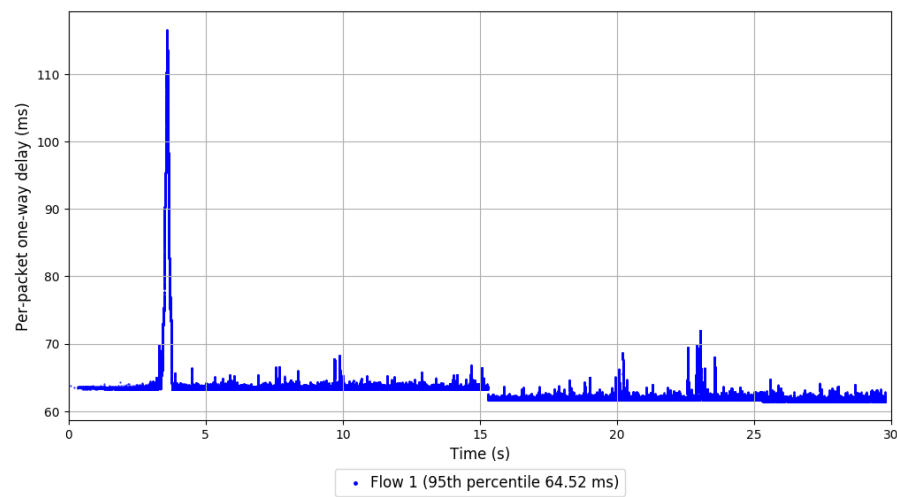
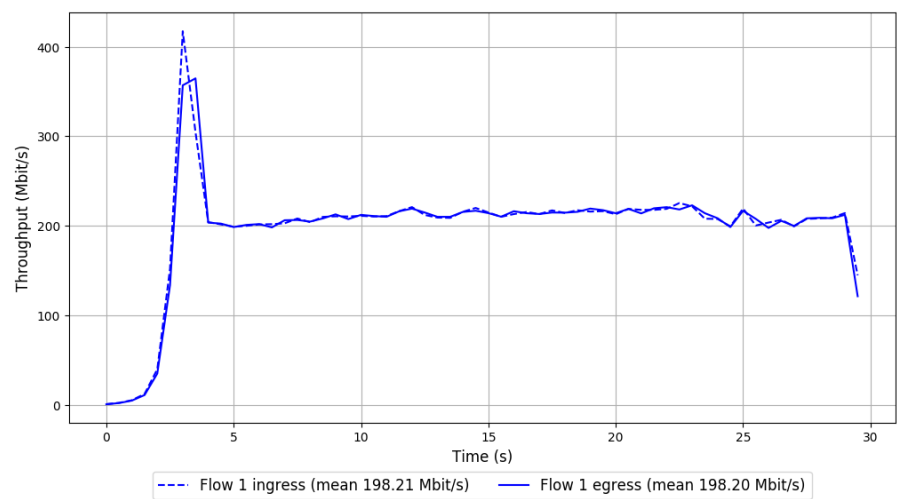
-- Flow 1:

Average throughput: 198.20 Mbit/s

95th percentile per-packet one-way delay: 64.516 ms

Loss rate: 0.43%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-31 02:16:20

End at: 2018-01-31 02:16:50

Below is generated by plot.py at 2018-01-31 06:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.60 Mbit/s

95th percentile per-packet one-way delay: 126.886 ms

Loss rate: 0.43%

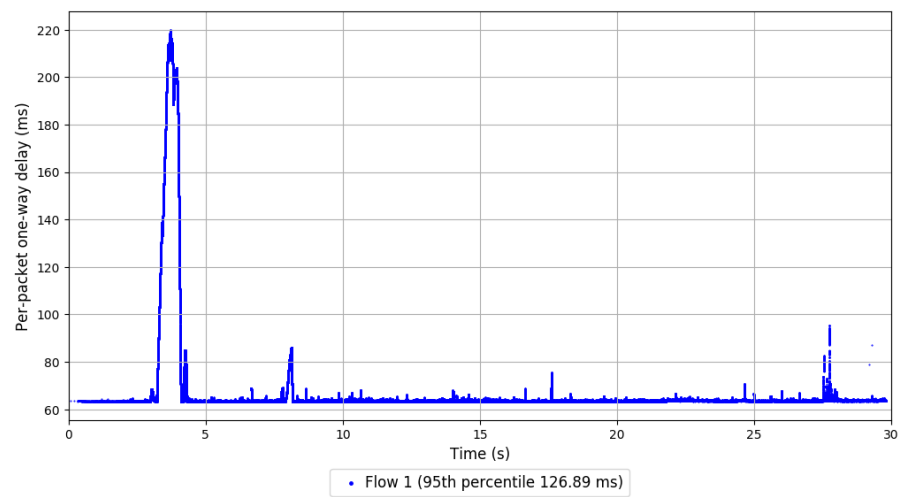
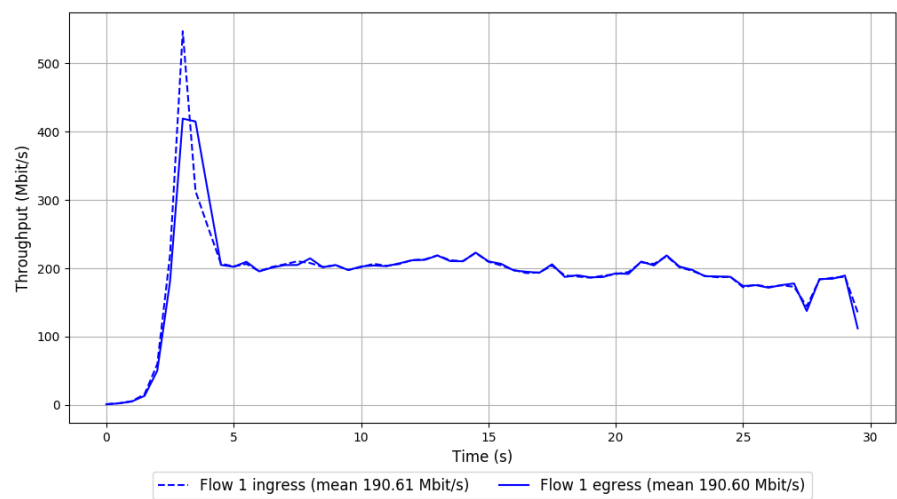
-- Flow 1:

Average throughput: 190.60 Mbit/s

95th percentile per-packet one-way delay: 126.886 ms

Loss rate: 0.43%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-31 02:29:31

End at: 2018-01-31 02:30:01

Below is generated by plot.py at 2018-01-31 06:15:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.80 Mbit/s

95th percentile per-packet one-way delay: 128.057 ms

Loss rate: 0.40%

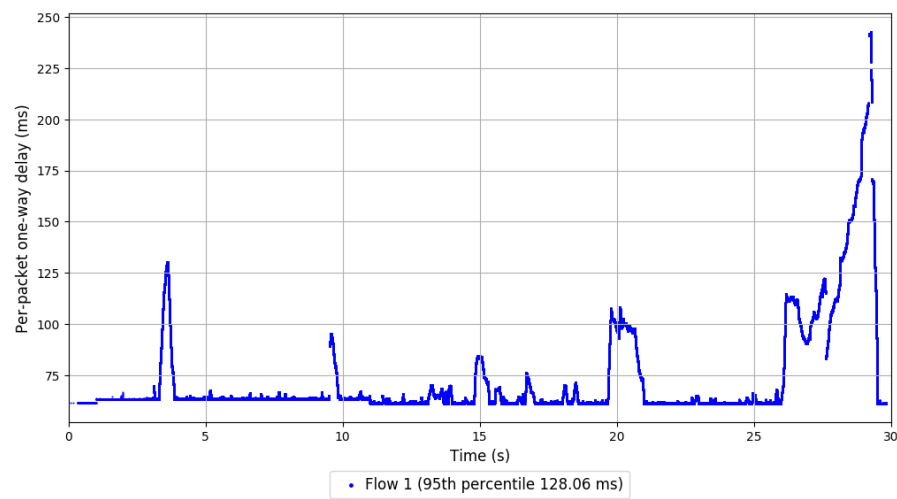
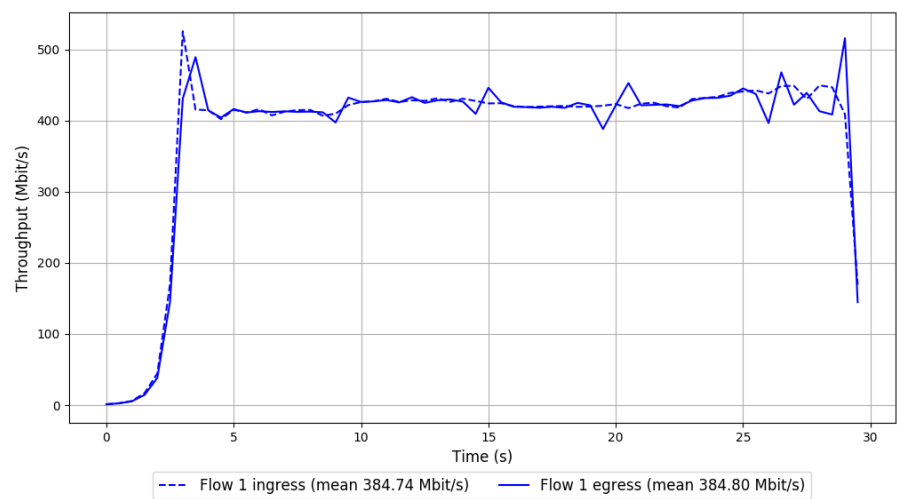
-- Flow 1:

Average throughput: 384.80 Mbit/s

95th percentile per-packet one-way delay: 128.057 ms

Loss rate: 0.40%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-31 02:43:09

End at: 2018-01-31 02:43:39

Below is generated by plot.py at 2018-01-31 06:15:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.19 Mbit/s

95th percentile per-packet one-way delay: 84.107 ms

Loss rate: 0.44%

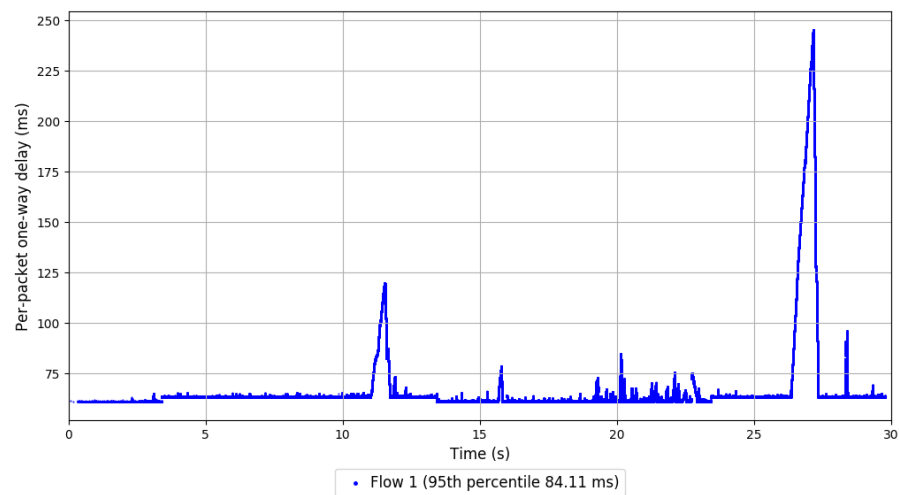
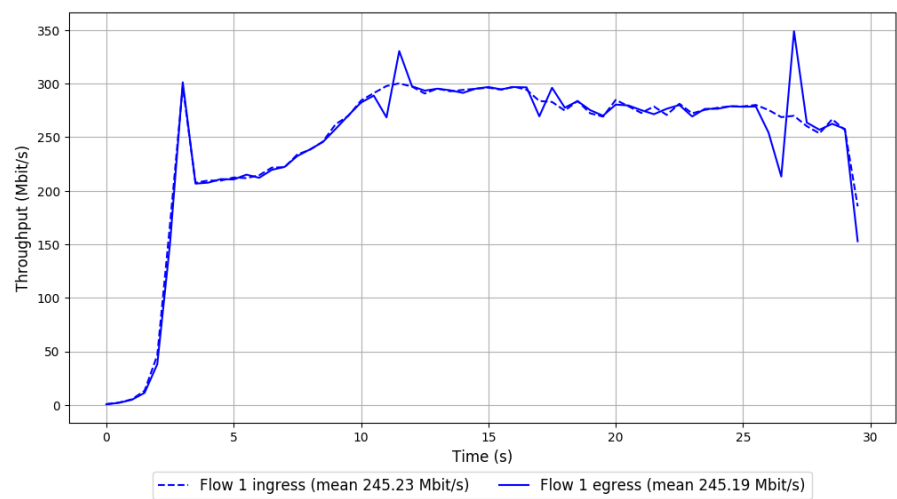
-- Flow 1:

Average throughput: 245.19 Mbit/s

95th percentile per-packet one-way delay: 84.107 ms

Loss rate: 0.44%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-01-31 02:56:54
End at: 2018-01-31 02:57:24

# Below is generated by plot.py at 2018-01-31 06:15:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.88 Mbit/s
95th percentile per-packet one-way delay: 98.575 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 367.88 Mbit/s
95th percentile per-packet one-way delay: 98.575 ms
Loss rate: 0.53%
```

Run 10: Report of Vivace-LTE — Data Link

