

## Pantheon Report

Generated at 2018-01-31 19:47:40 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

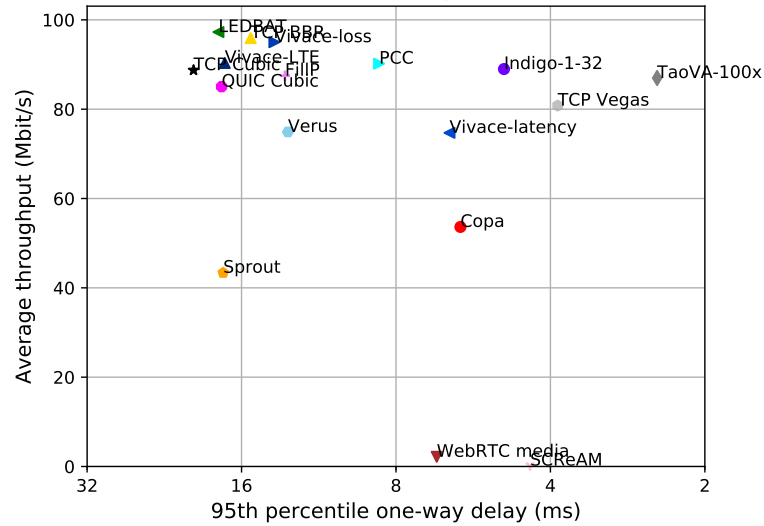
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

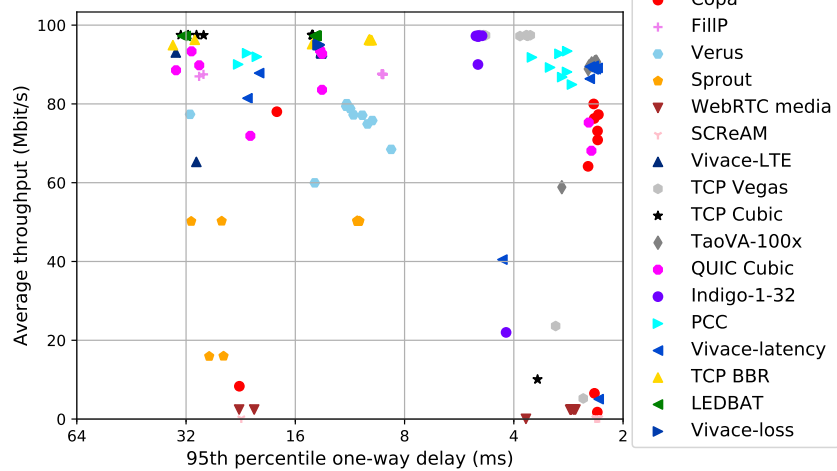
Git summary:

```
branch: master @ 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 Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.92	15.35	0.05
TCP Cubic	10	88.74	19.85	0.08
LEDBAT	10	97.27	17.75	0.06
PCC	10	90.19	8.63	0.02
QUIC Cubic	10	85.04	17.50	0.05
SCReAM	10	0.21	4.38	0.04
WebRTC media	10	2.16	6.66	0.01
Sprout	10	43.37	17.37	0.06
TaoVA-100x	10	86.98	2.48	0.02
TCP Vegas	10	80.79	3.87	0.02
Verus	10	74.91	12.99	0.05
Copa	10	53.64	5.99	0.02
FillP	10	87.49	13.17	0.02
Indigo-1-32	10	88.99	4.93	0.02
Vivace-latency	10	74.70	6.29	0.02
Vivace-loss	10	95.00	13.80	0.07
Vivace-LTE	10	90.36	17.25	0.02

Run 1: Statistics of TCP BBR

Start at: 2018-01-31 12:40:19

End at: 2018-01-31 12:40:49

Local clock offset: -0.35 ms

Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2018-01-31 19:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 9.857 ms

Loss rate: 0.05%

-- Flow 1:

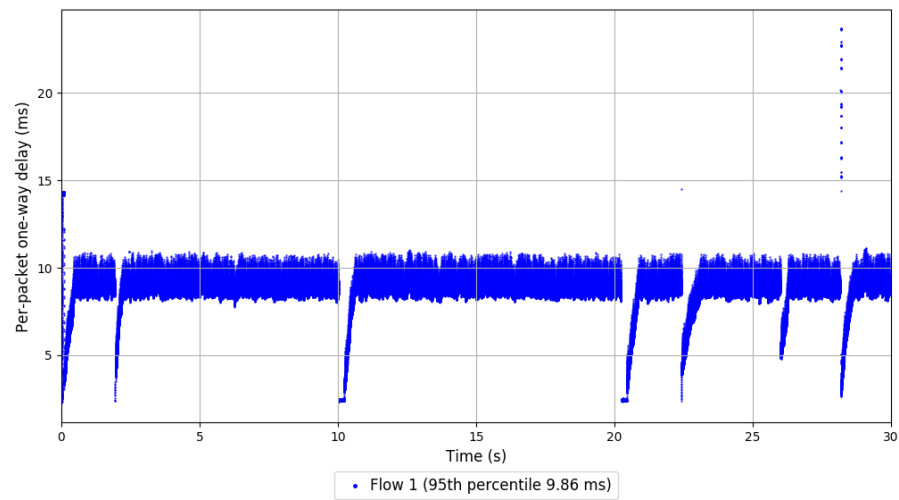
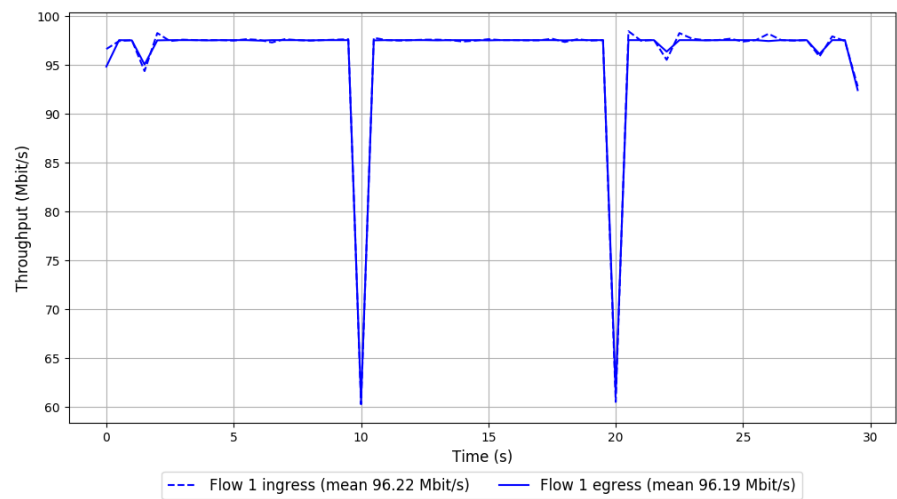
Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 9.857 ms

Loss rate: 0.05%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-31 13:00:40

End at: 2018-01-31 13:01:10

Local clock offset: -0.348 ms

Remote clock offset: 0.312 ms

# Below is generated by plot.py at 2018-01-31 19:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 14.273 ms

Loss rate: 0.06%

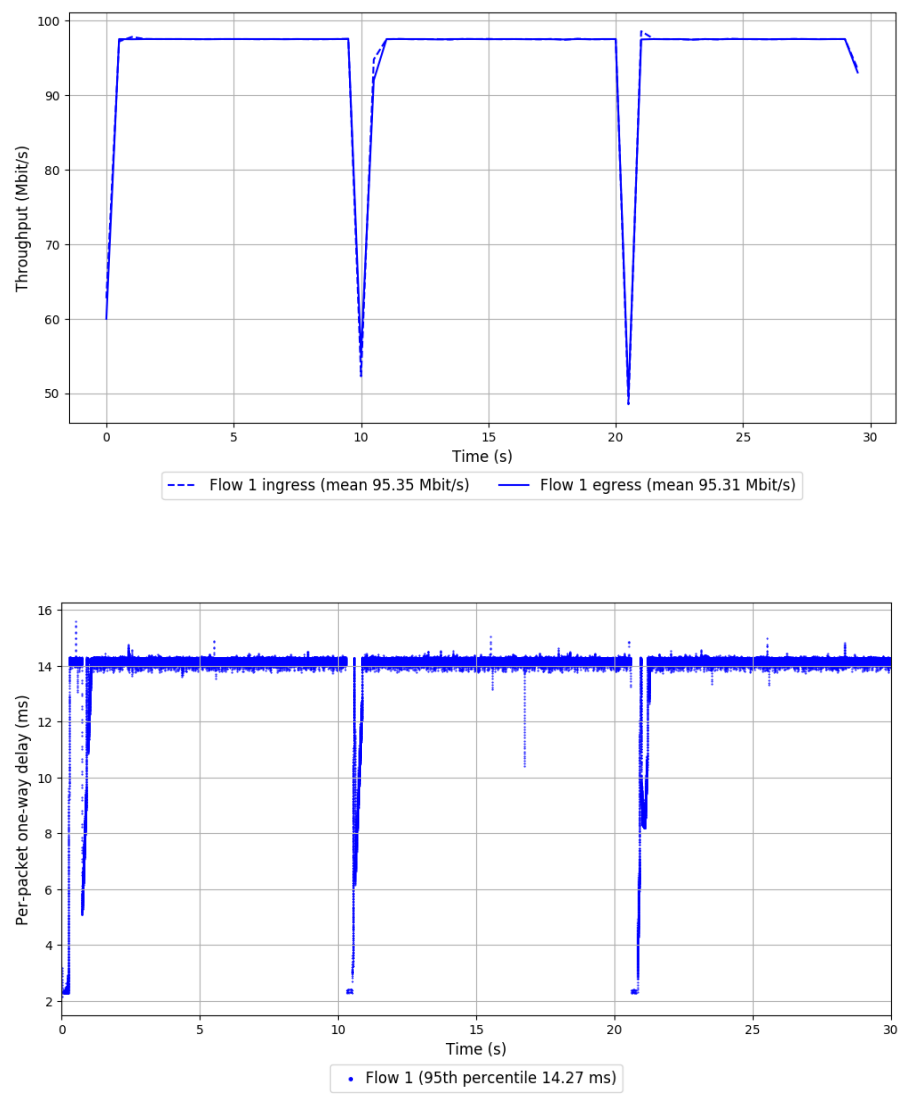
-- Flow 1:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 14.273 ms

Loss rate: 0.06%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-31 13:20:55

End at: 2018-01-31 13:21:25

Local clock offset: -0.1 ms

Remote clock offset: 0.453 ms

# Below is generated by plot.py at 2018-01-31 19:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 14.384 ms

Loss rate: 0.06%

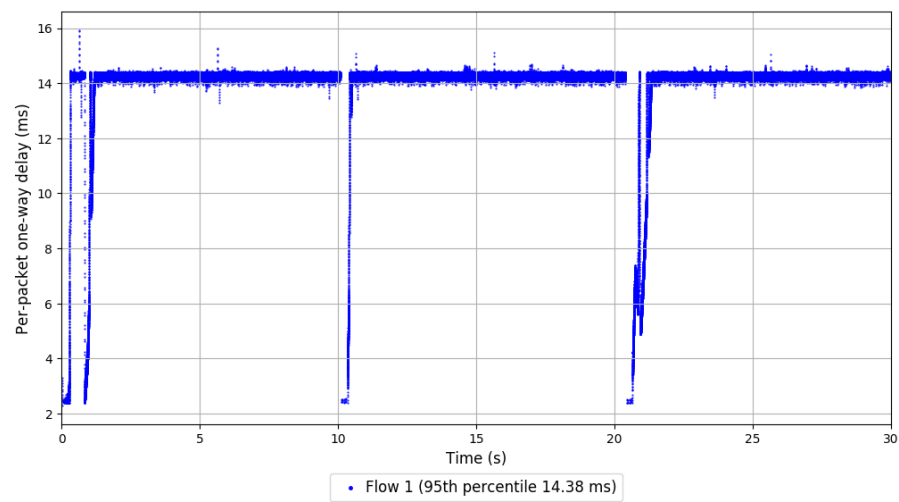
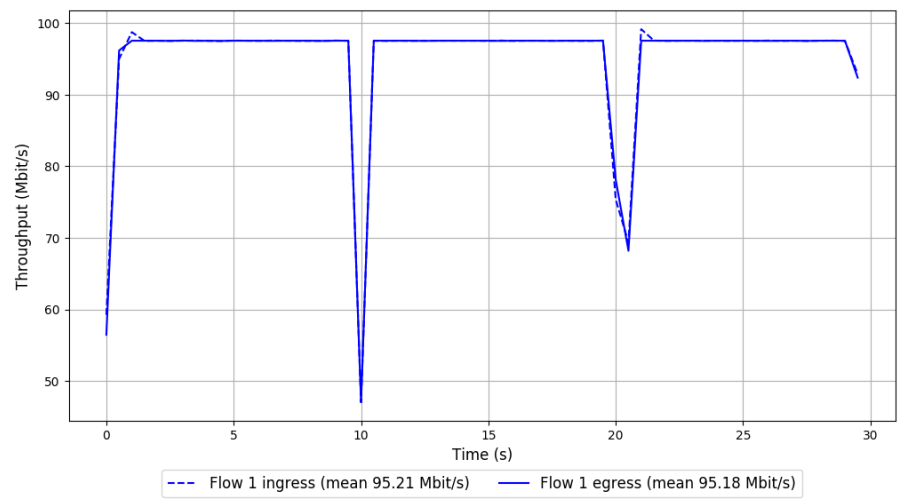
-- Flow 1:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 14.384 ms

Loss rate: 0.06%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-31 13:41:11

End at: 2018-01-31 13:41:41

Local clock offset: 0.002 ms

Remote clock offset: 0.573 ms

# Below is generated by plot.py at 2018-01-31 19:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 10.028 ms

Loss rate: 0.04%

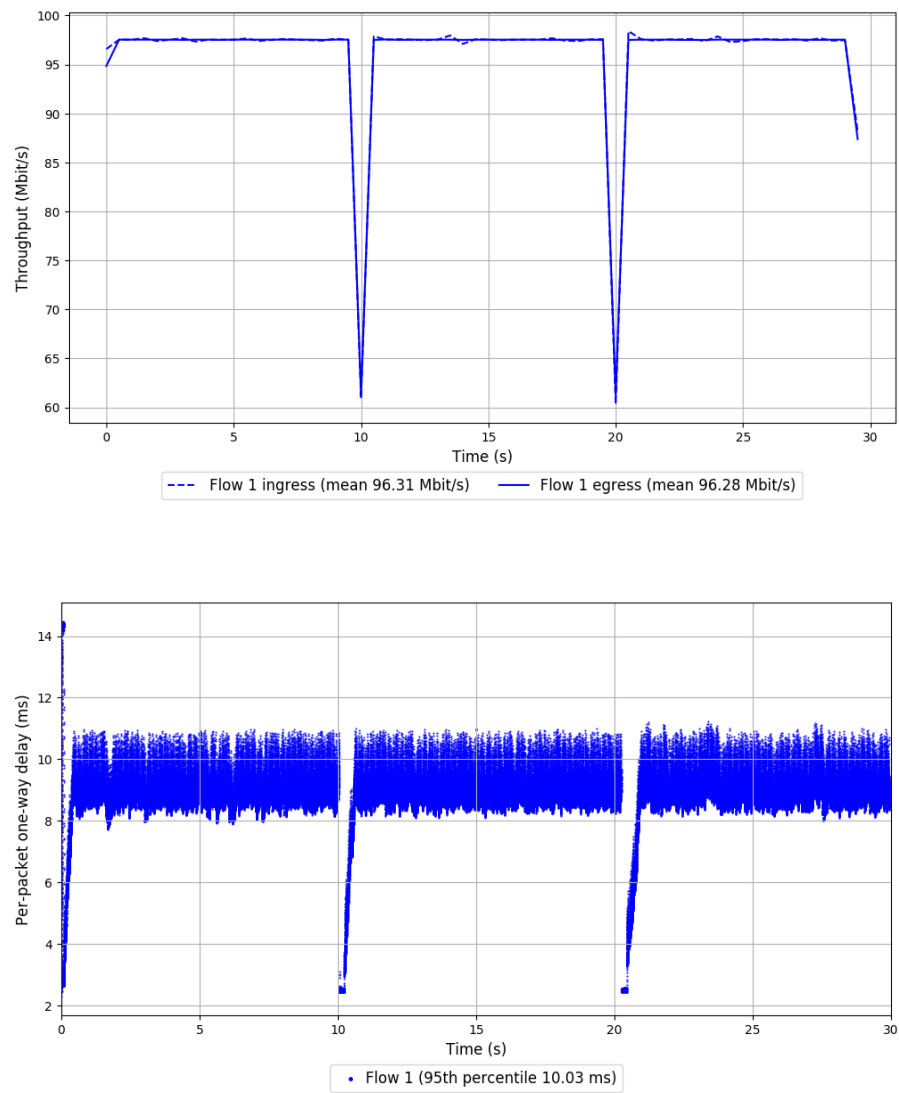
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 10.028 ms

Loss rate: 0.04%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-31 14:01:30

End at: 2018-01-31 14:02:00

Local clock offset: 0.045 ms

Remote clock offset: 0.839 ms

# Below is generated by plot.py at 2018-01-31 19:22:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 9.993 ms

Loss rate: 0.04%

-- Flow 1:

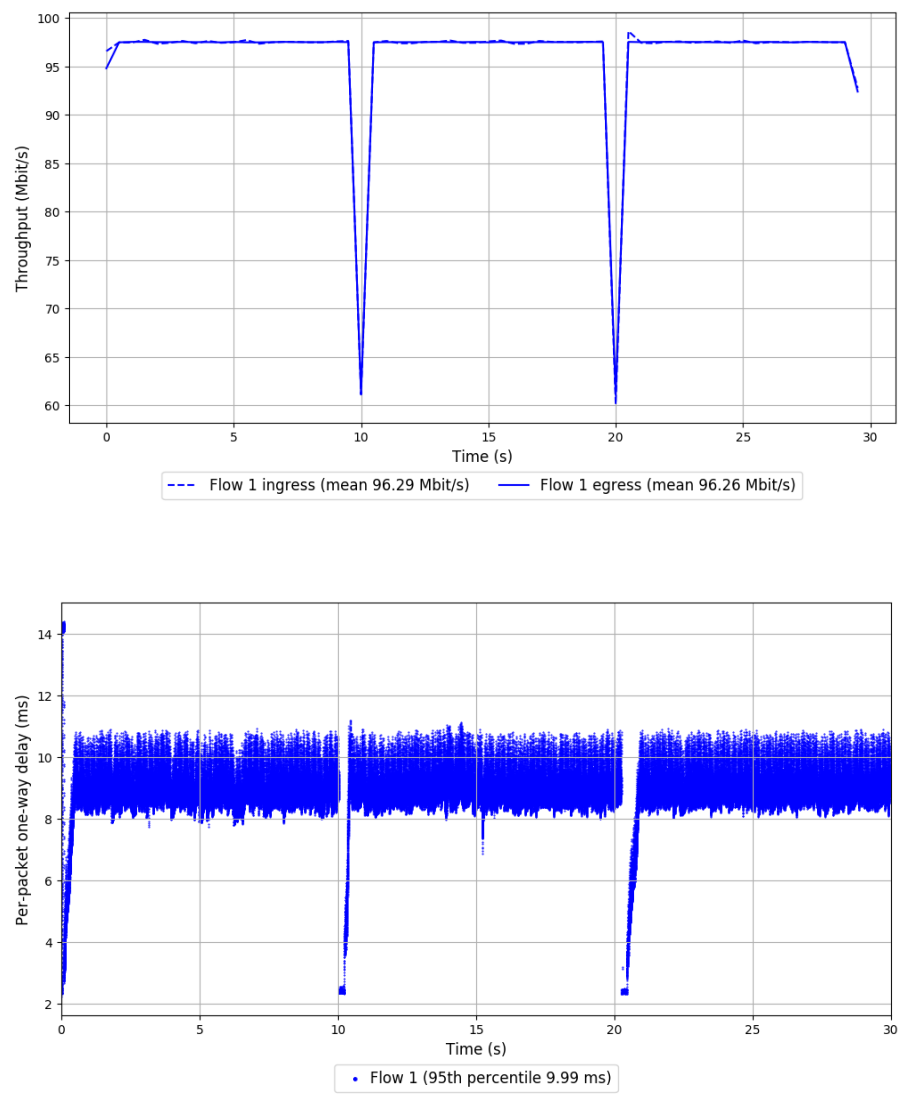
Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 9.993 ms

Loss rate: 0.04%



Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-31 14:21:53

End at: 2018-01-31 14:22:23

Local clock offset: 0.047 ms

Remote clock offset: 0.636 ms

# Below is generated by plot.py at 2018-01-31 19:22:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 9.975 ms

Loss rate: 0.05%

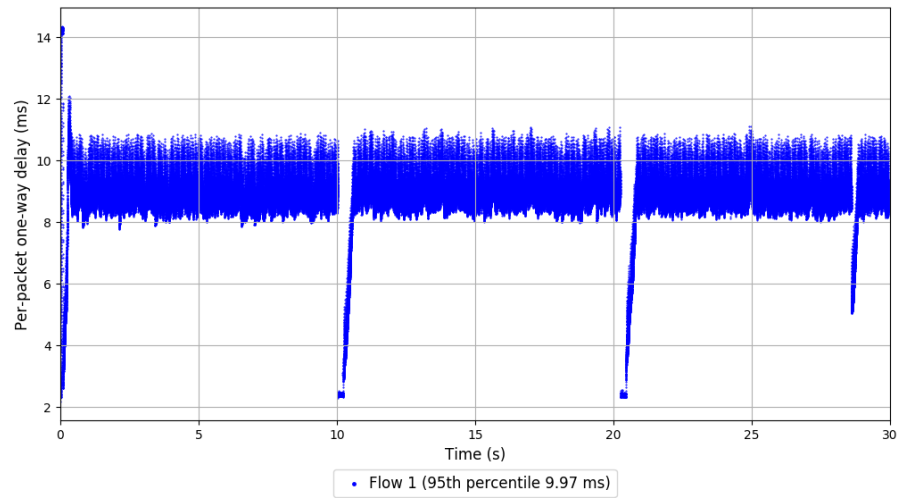
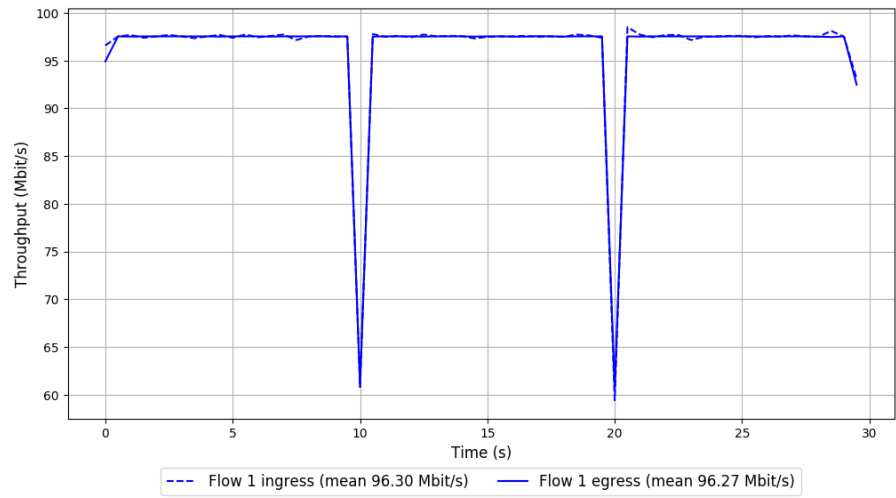
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 9.975 ms

Loss rate: 0.05%

## Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-31 14:42:16

End at: 2018-01-31 14:42:46

Local clock offset: 0.091 ms

Remote clock offset: 0.424 ms

# Below is generated by plot.py at 2018-01-31 19:22:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 9.974 ms

Loss rate: 0.04%

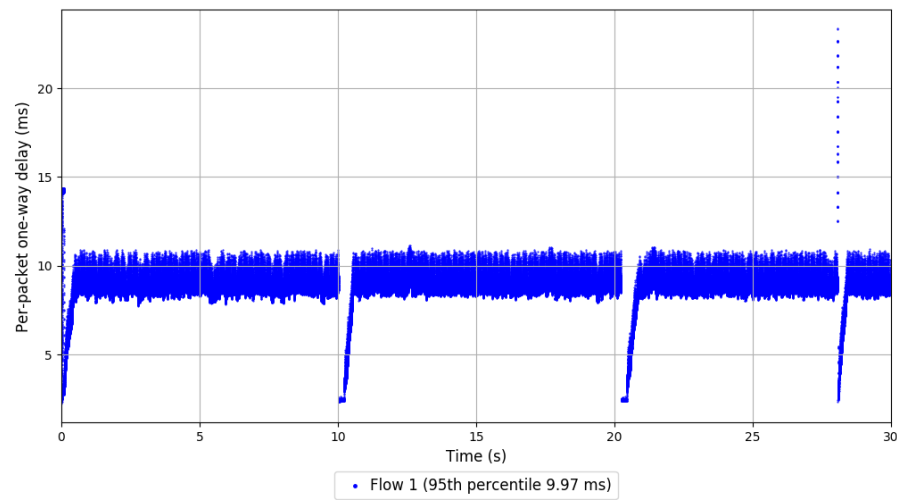
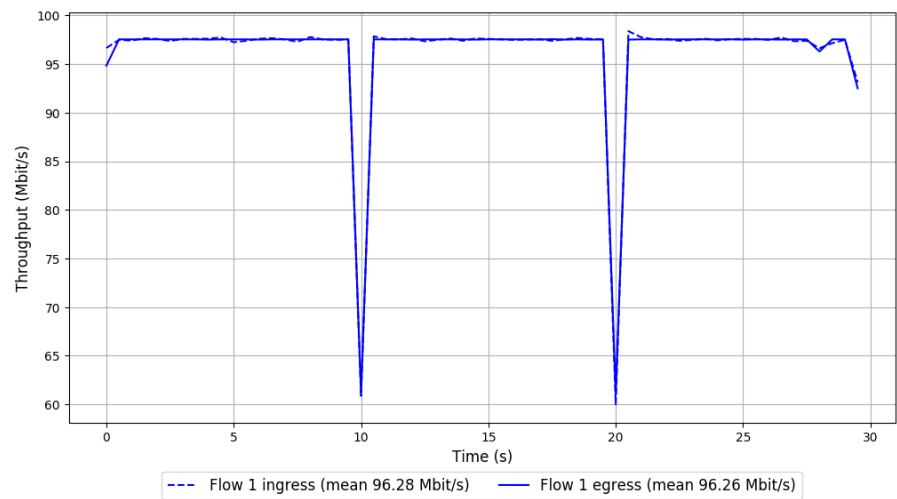
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 9.974 ms

Loss rate: 0.04%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-31 15:02:43

End at: 2018-01-31 15:03:13

Local clock offset: 0.108 ms

Remote clock offset: 0.256 ms

# Below is generated by plot.py at 2018-01-31 19:22:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.974 ms

Loss rate: 0.04%

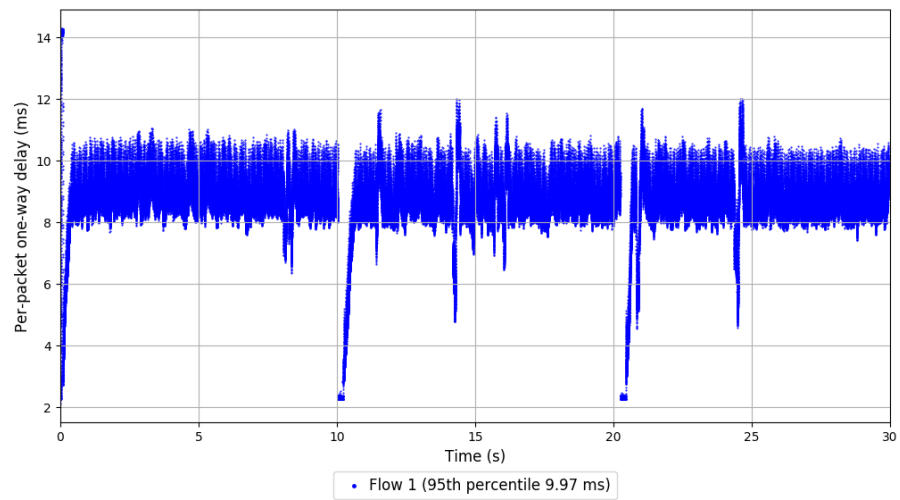
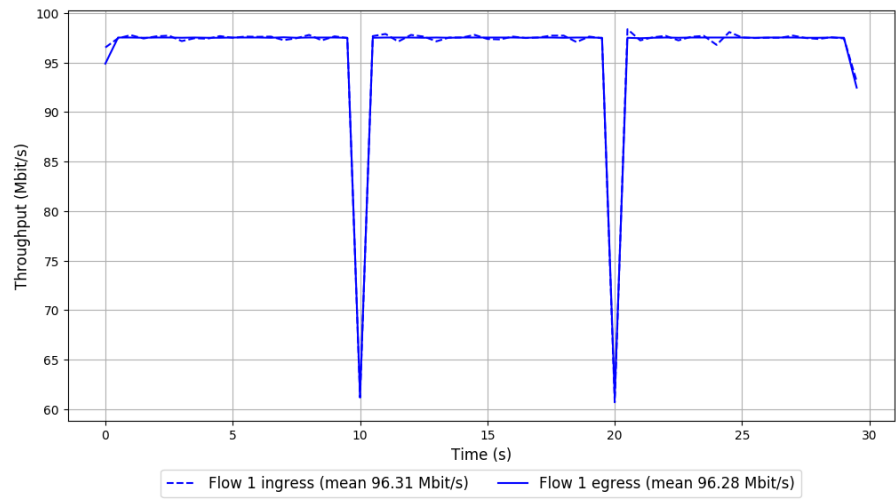
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.974 ms

Loss rate: 0.04%

### Run 8: Report of TCP BBR — Data Link



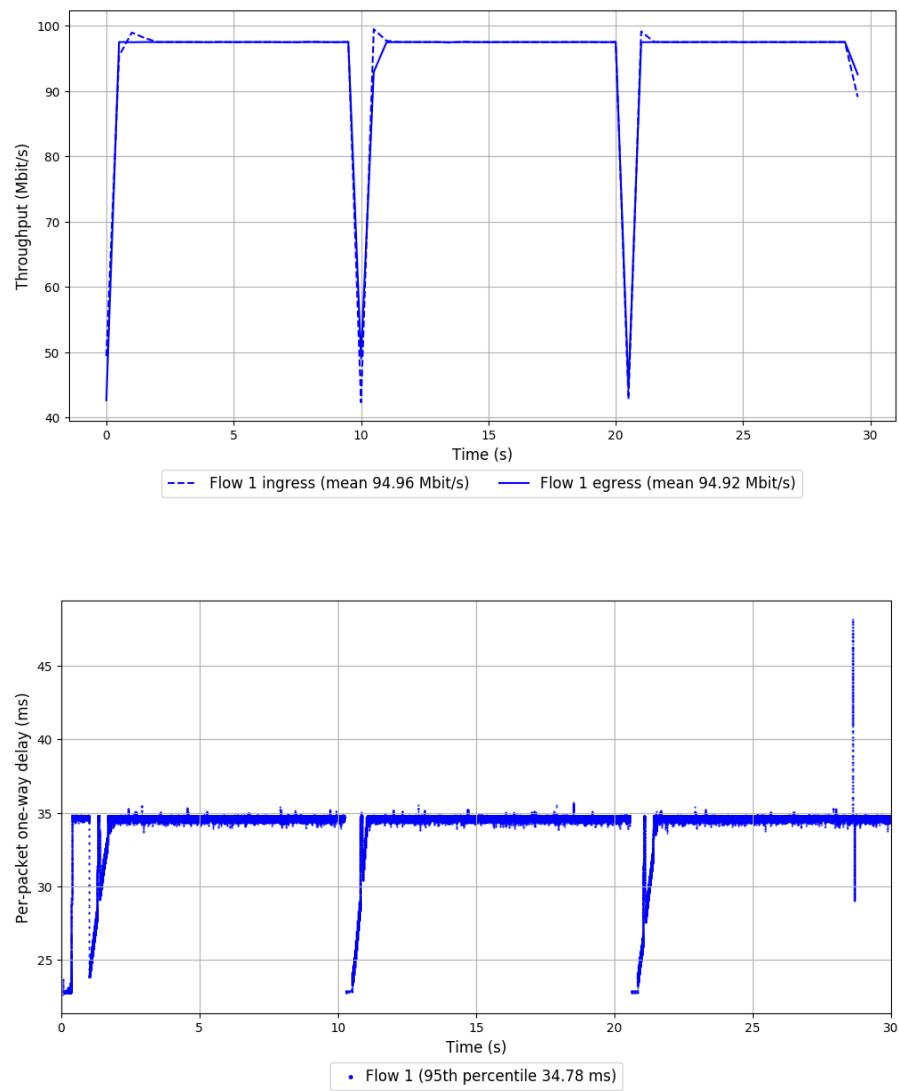
Run 9: Statistics of TCP BBR

Start at: 2018-01-31 15:22:55  
End at: 2018-01-31 15:23:25  
Local clock offset: 0.185 ms  
Remote clock offset: -20.397 ms

# Below is generated by plot.py at 2018-01-31 19:23:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.92 Mbit/s  
95th percentile per-packet one-way delay: 34.784 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 94.92 Mbit/s  
95th percentile per-packet one-way delay: 34.784 ms  
Loss rate: 0.06%



Run 9: Report of TCP BBR — Data Link

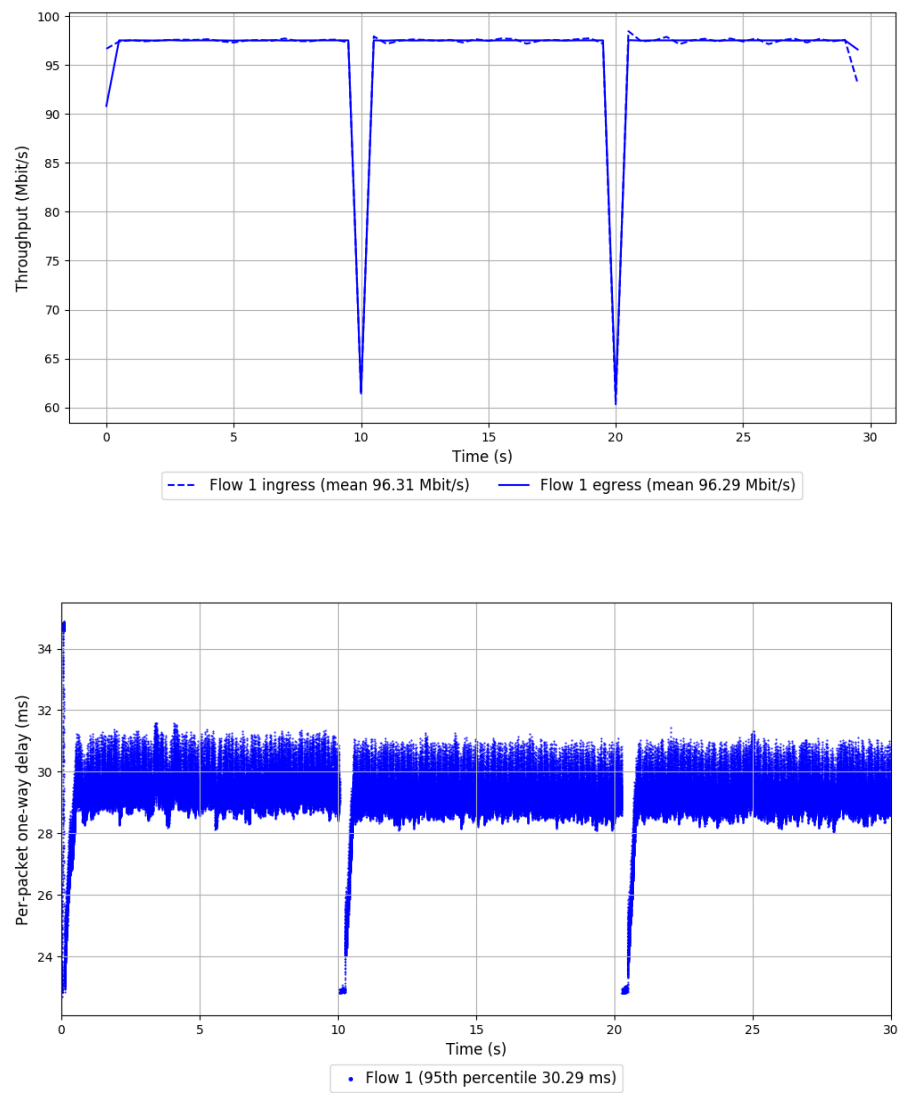


Run 10: Statistics of TCP BBR

Start at: 2018-01-31 15:43:13  
End at: 2018-01-31 15:43:43  
Local clock offset: 0.165 ms  
Remote clock offset: -20.509 ms

# Below is generated by plot.py at 2018-01-31 19:23:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.29 Mbit/s  
95th percentile per-packet one-way delay: 30.286 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 96.29 Mbit/s  
95th percentile per-packet one-way delay: 30.286 ms  
Loss rate: 0.04%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-31 12:33:31

End at: 2018-01-31 12:34:01

Local clock offset: -0.326 ms

Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-01-31 19:23:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.404 ms

Loss rate: 0.06%

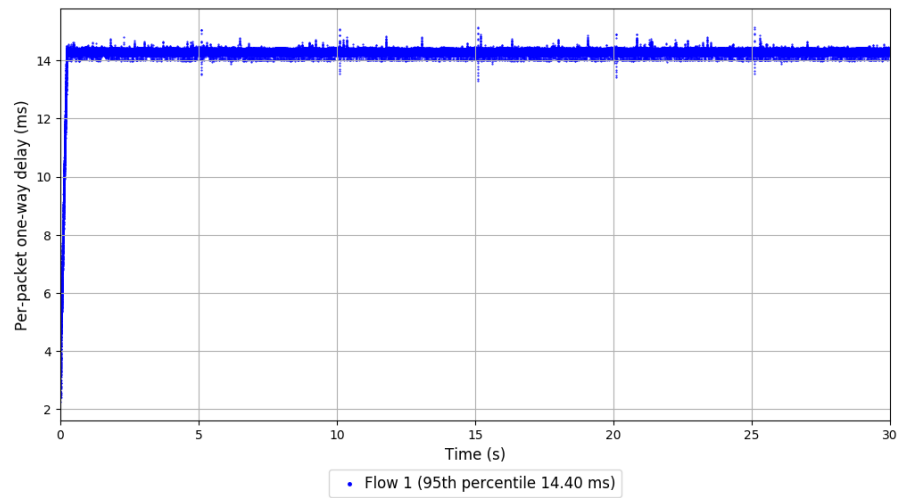
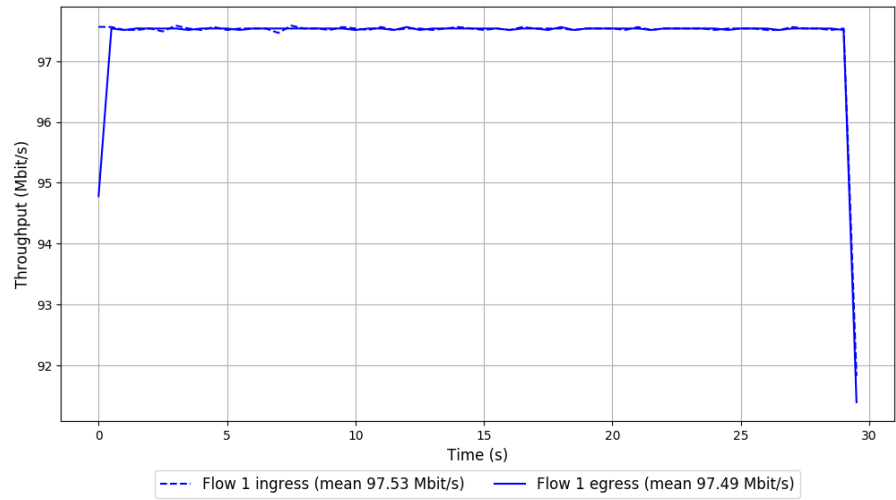
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.404 ms

Loss rate: 0.06%

### Run 1: Report of TCP Cubic — Data Link

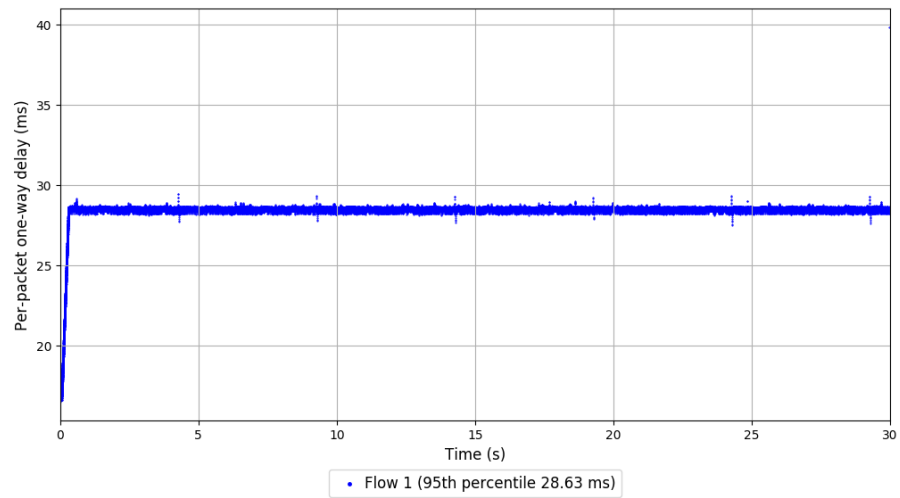
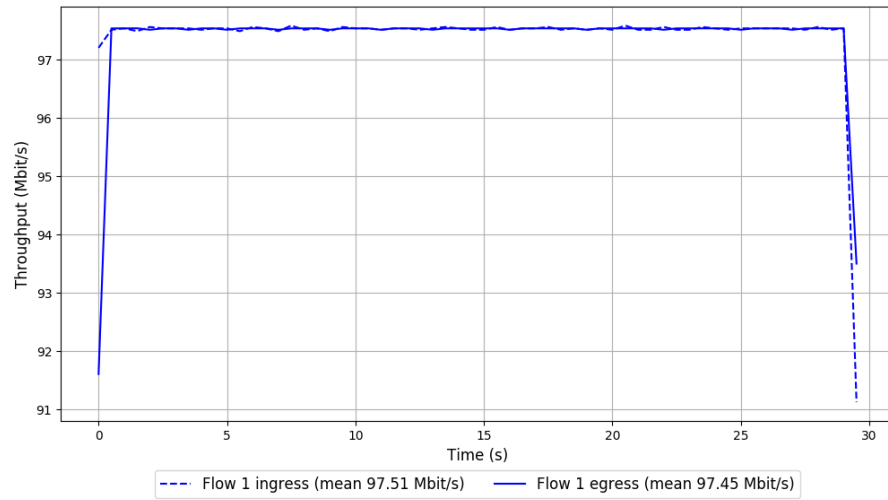


Run 2: Statistics of TCP Cubic

Start at: 2018-01-31 12:53:52  
End at: 2018-01-31 12:54:22  
Local clock offset: -0.454 ms  
Remote clock offset: -14.133 ms

# Below is generated by plot.py at 2018-01-31 19:23:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.45 Mbit/s  
95th percentile per-packet one-way delay: 28.631 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.45 Mbit/s  
95th percentile per-packet one-way delay: 28.631 ms  
Loss rate: 0.05%

## Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-31 13:14:16

End at: 2018-01-31 13:14:46

Local clock offset: -0.189 ms

Remote clock offset: 0.411 ms

# Below is generated by plot.py at 2018-01-31 19:23:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.330 ms

Loss rate: 0.06%

-- Flow 1:

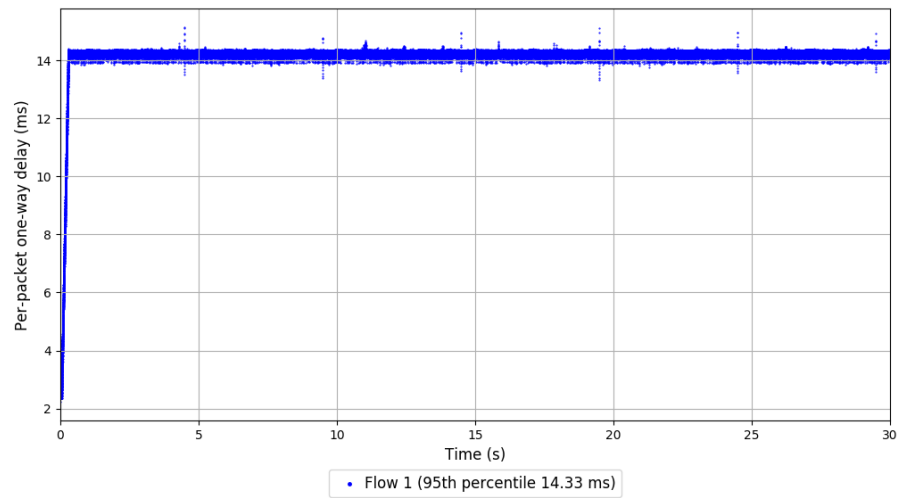
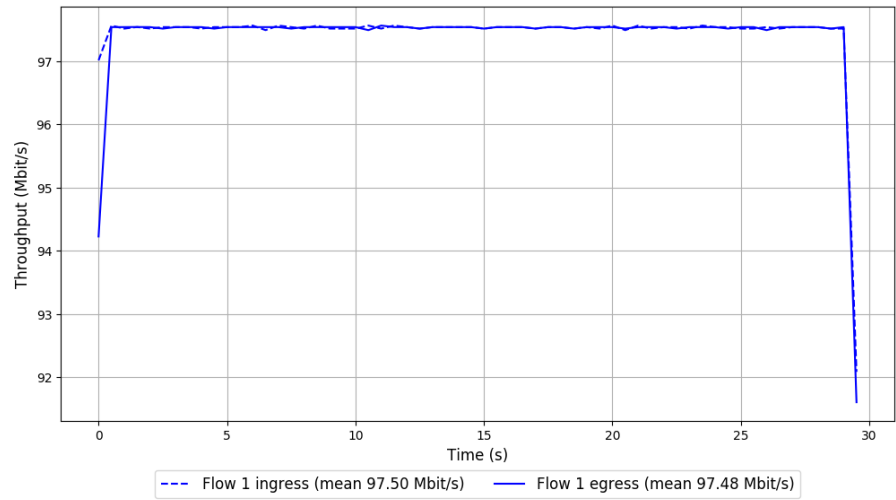
Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.330 ms

Loss rate: 0.06%



### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-31 13:34:22

End at: 2018-01-31 13:34:52

Local clock offset: -0.052 ms

Remote clock offset: 0.599 ms

# Below is generated by plot.py at 2018-01-31 19:23:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.326 ms

Loss rate: 0.06%

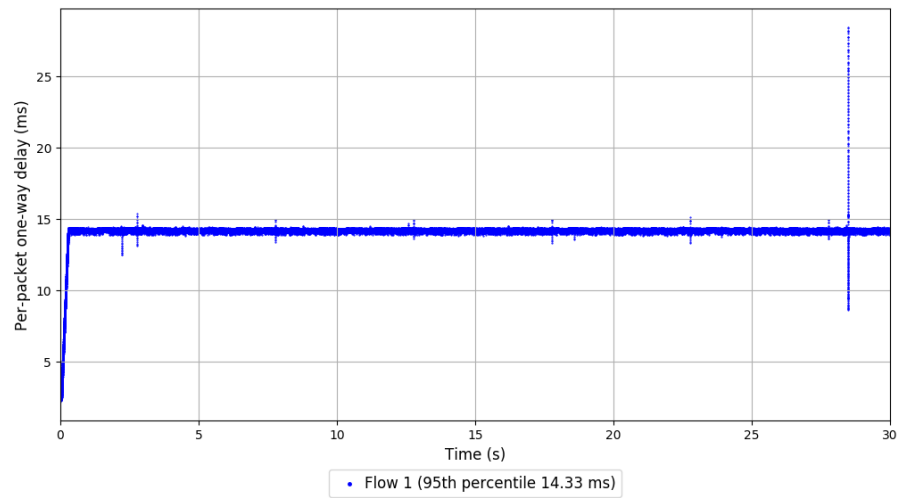
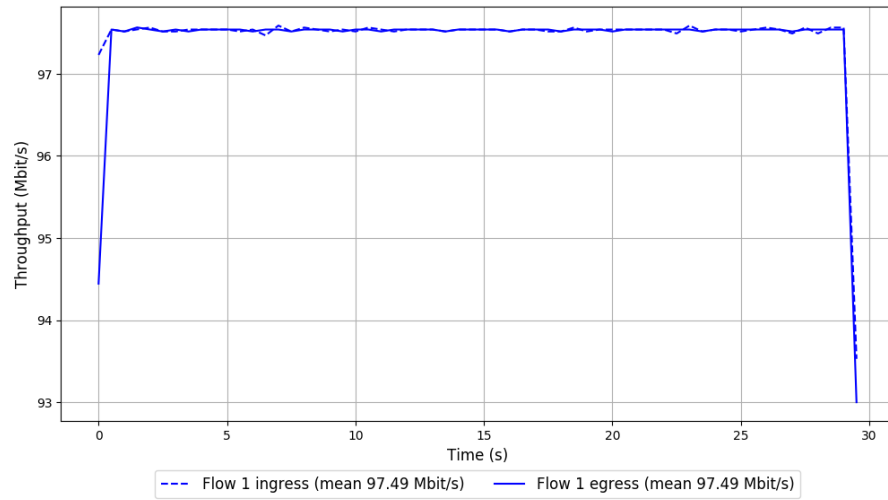
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.326 ms

Loss rate: 0.06%

#### Run 4: Report of TCP Cubic — Data Link

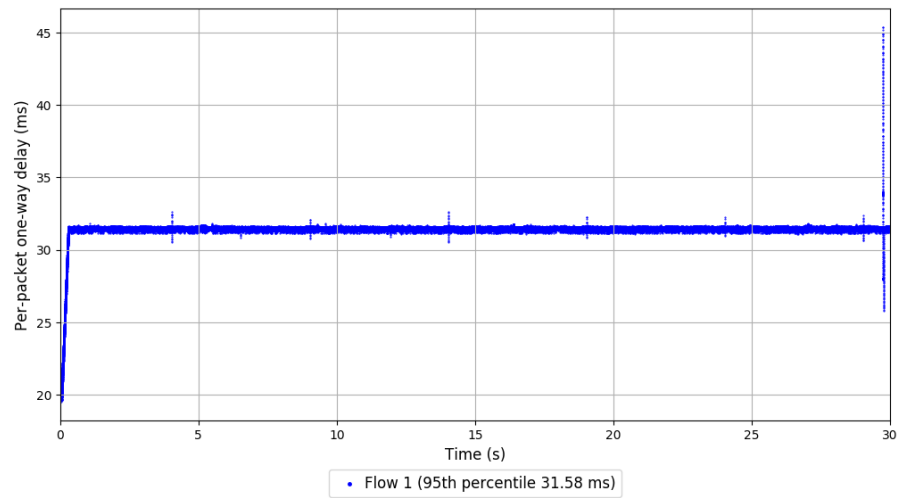
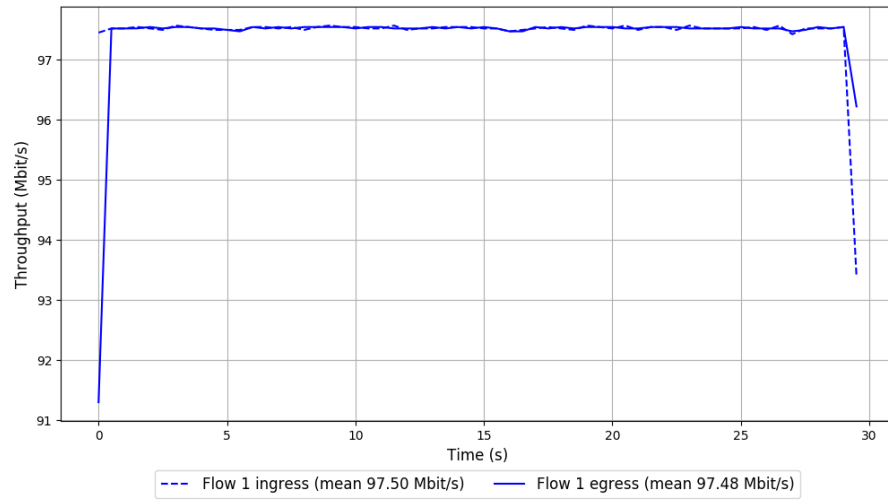


Run 5: Statistics of TCP Cubic

Start at: 2018-01-31 13:54:42  
End at: 2018-01-31 13:55:12  
Local clock offset: 0.048 ms  
Remote clock offset: -16.49 ms

# Below is generated by plot.py at 2018-01-31 19:23:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 31.584 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 31.584 ms  
Loss rate: 0.06%

### Run 5: Report of TCP Cubic — Data Link

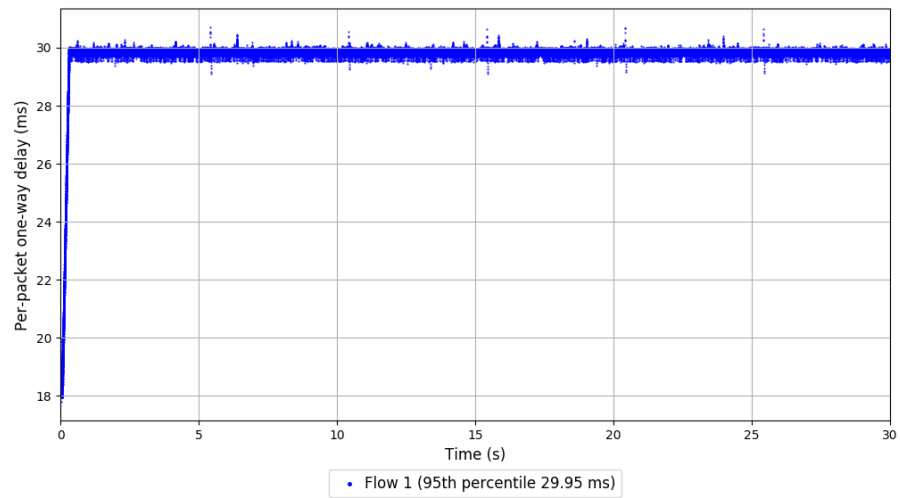
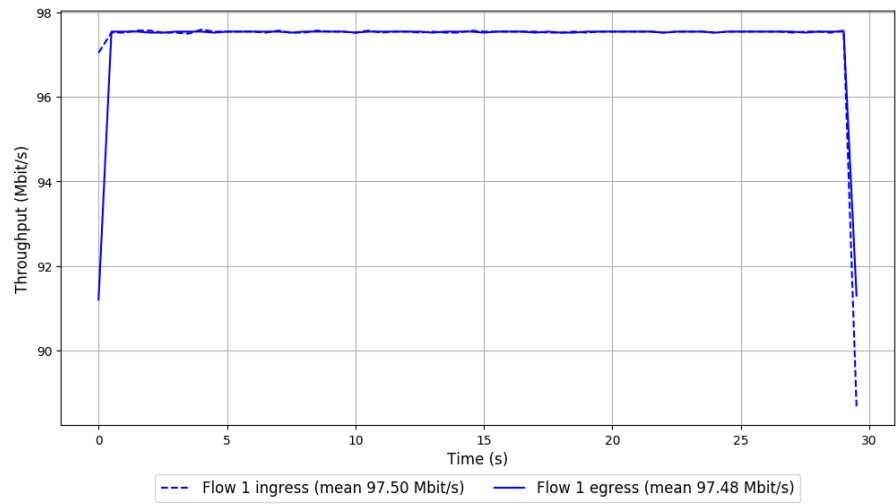


Run 6: Statistics of TCP Cubic

Start at: 2018-01-31 14:14:59  
End at: 2018-01-31 14:15:29  
Local clock offset: 0.038 ms  
Remote clock offset: -14.926 ms

# Below is generated by plot.py at 2018-01-31 19:23:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 29.947 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 29.947 ms  
Loss rate: 0.06%

## Run 6: Report of TCP Cubic — Data Link



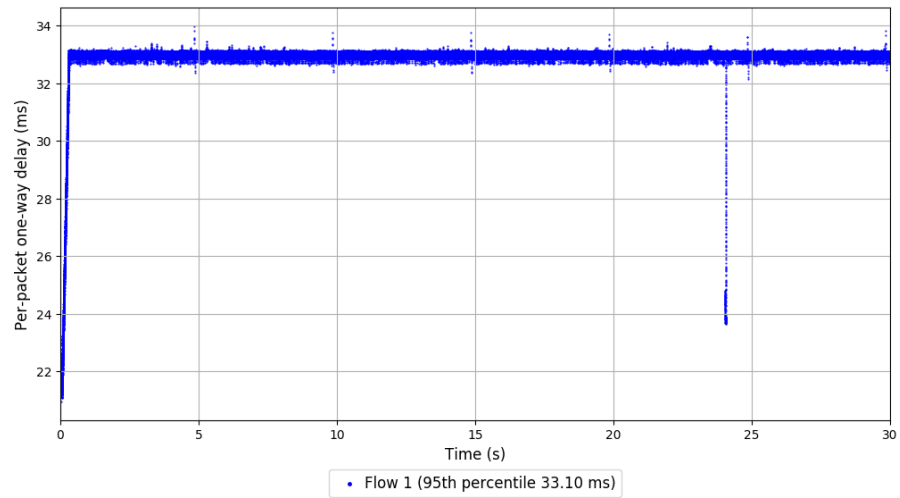
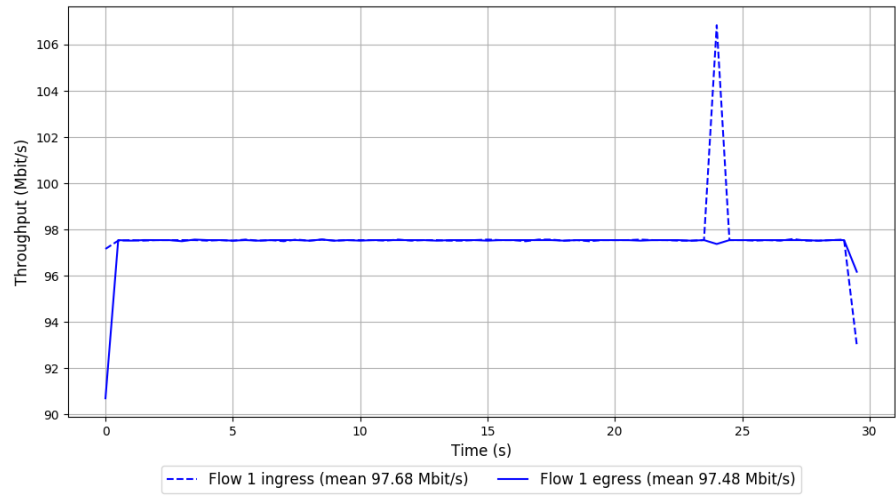
Run 7: Statistics of TCP Cubic

Start at: 2018-01-31 14:35:28  
End at: 2018-01-31 14:35:58  
Local clock offset: 0.063 ms  
Remote clock offset: -18.293 ms

# Below is generated by plot.py at 2018-01-31 19:25:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 33.101 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 33.101 ms  
Loss rate: 0.22%



## Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

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

End at: 2018-01-31 14:56:25

Local clock offset: 0.126 ms

Remote clock offset: 0.301 ms

# Below is generated by plot.py at 2018-01-31 19:25:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.310 ms

Loss rate: 0.06%

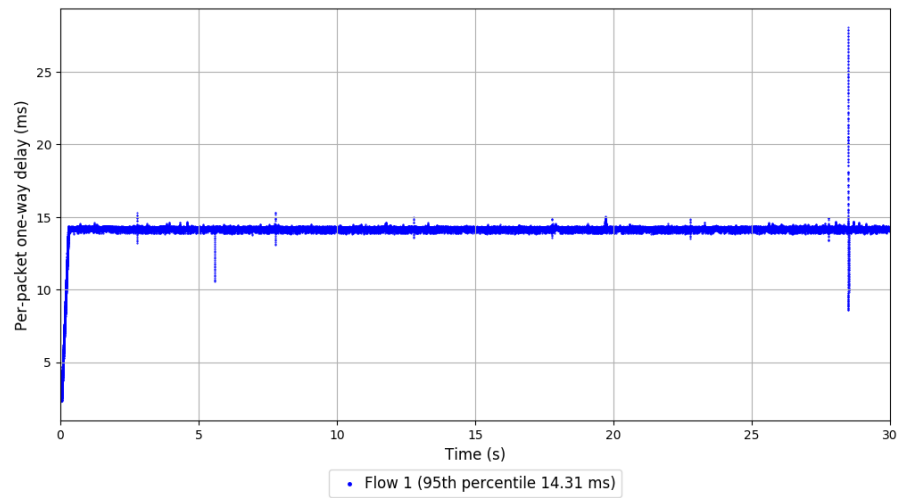
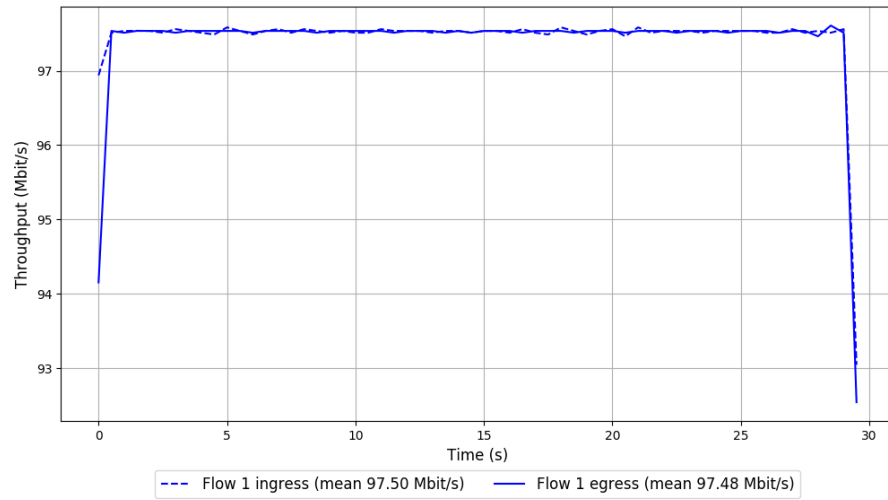
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.310 ms

Loss rate: 0.06%

### Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-31 15:16:18

End at: 2018-01-31 15:16:48

Local clock offset: 0.206 ms

Remote clock offset: 0.115 ms

# Below is generated by plot.py at 2018-01-31 19:25:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 3.441 ms

Loss rate: 0.15%

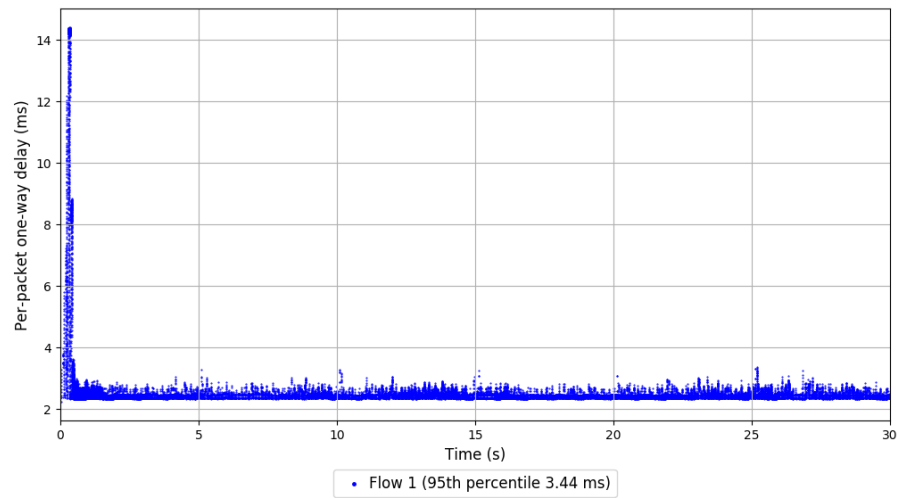
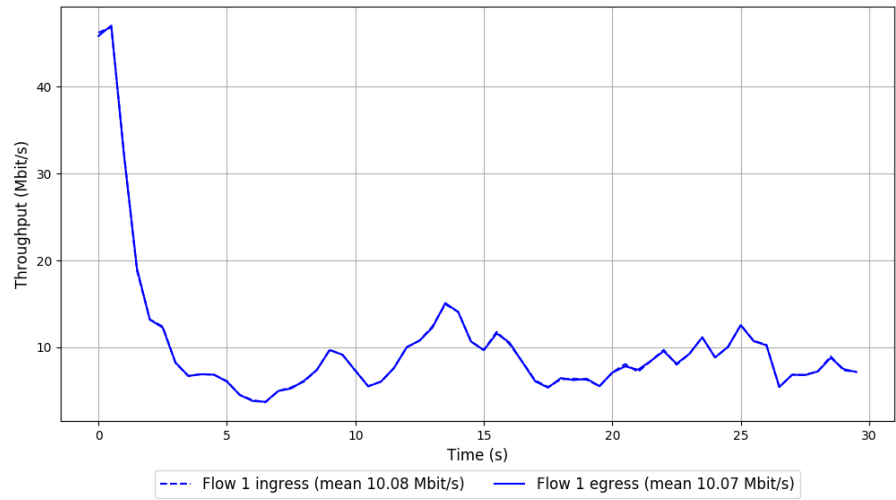
-- Flow 1:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 3.441 ms

Loss rate: 0.15%

### Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-31 15:36:30

End at: 2018-01-31 15:37:00

Local clock offset: 0.196 ms

Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-01-31 19:25:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.397 ms

Loss rate: 0.06%

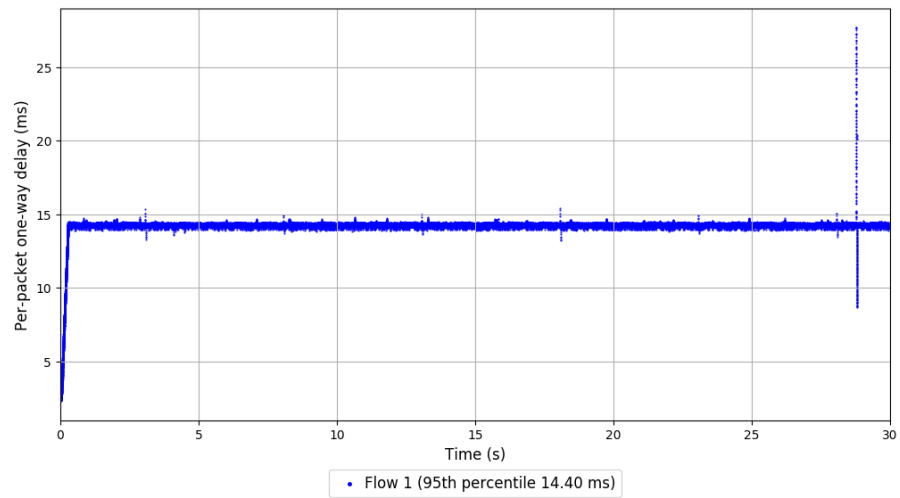
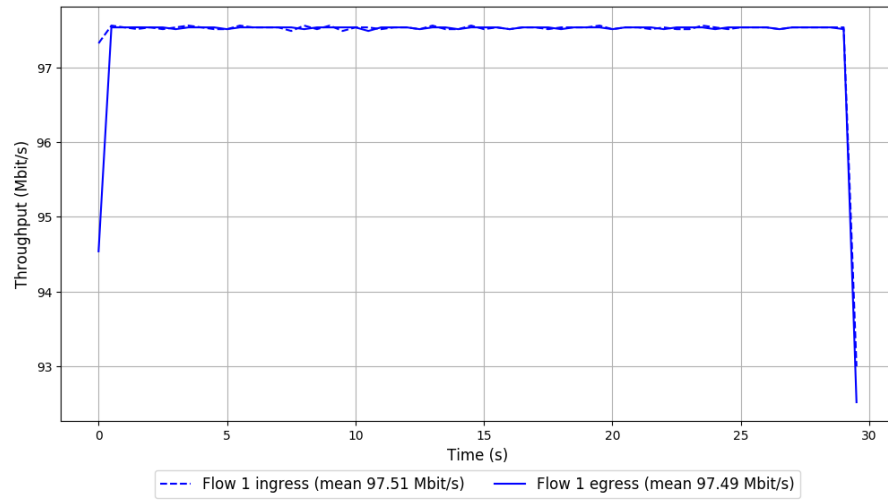
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.397 ms

Loss rate: 0.06%

### Run 10: Report of TCP Cubic — Data Link



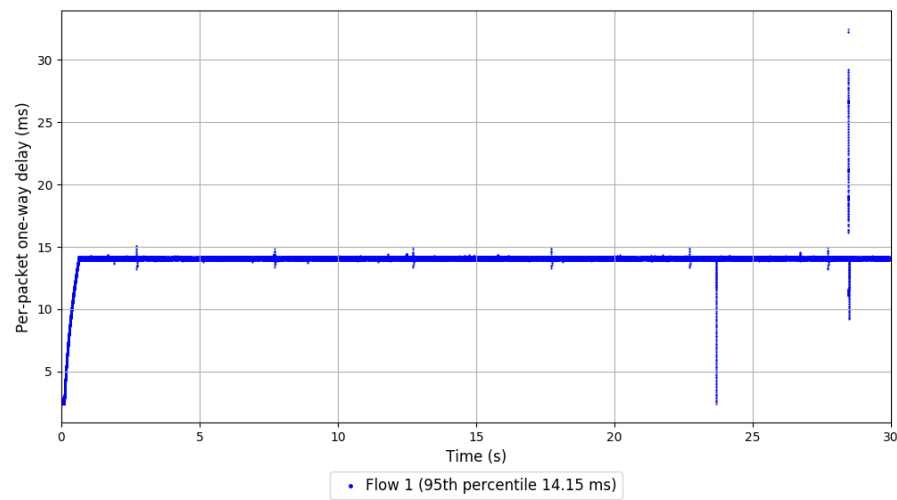
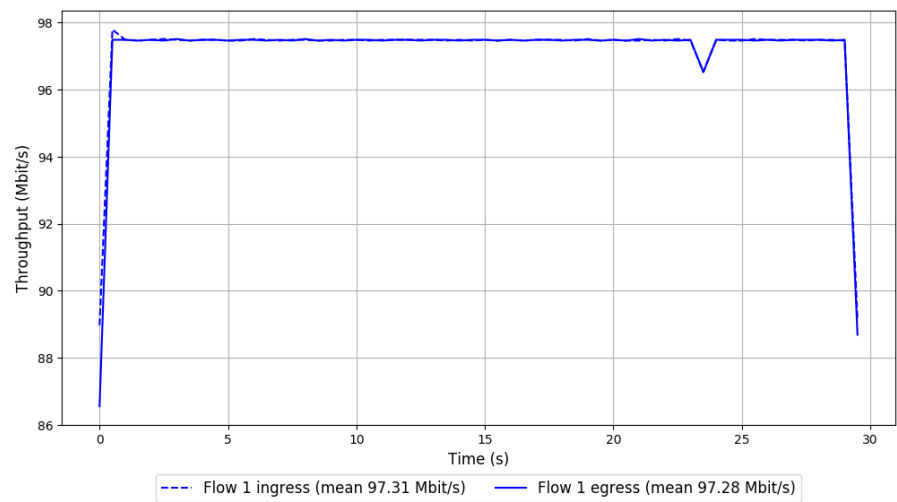
```
Run 1: Statistics of LEDBAT

Start at: 2018-01-31 12:46:58
End at: 2018-01-31 12:47:28
Local clock offset: -0.356 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2018-01-31 19:25:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.152 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.152 ms
Loss rate: 0.05%
```



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-01-31 13:07:22

End at: 2018-01-31 13:07:52

Local clock offset: -0.255 ms

Remote clock offset: 0.401 ms

# Below is generated by plot.py at 2018-01-31 19:25:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 13.981 ms

Loss rate: 0.06%

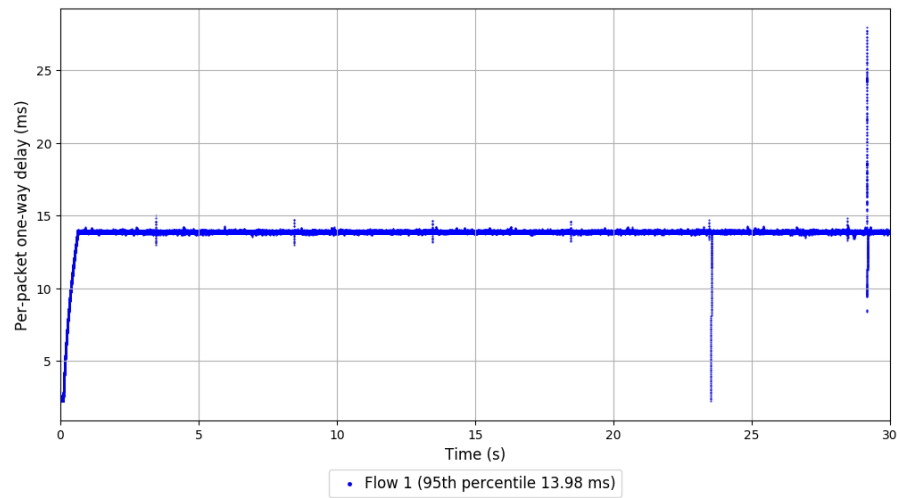
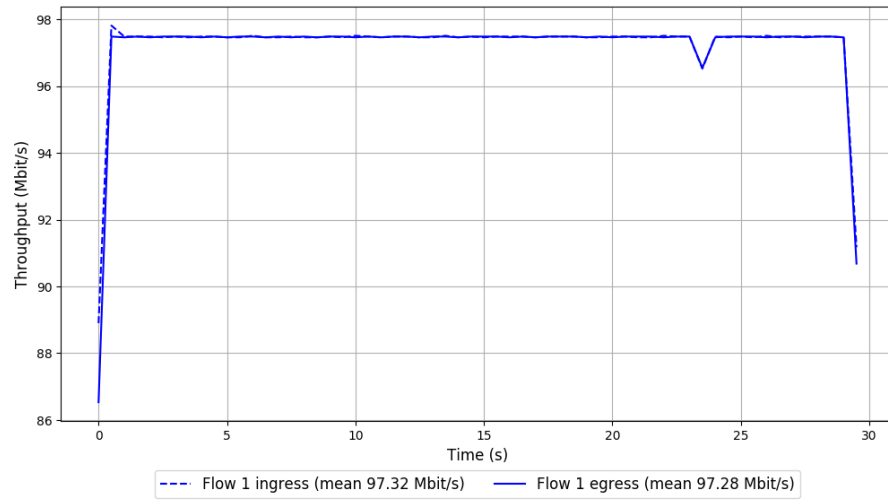
-- Flow 1:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 13.981 ms

Loss rate: 0.06%

## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-31 13:27:29

End at: 2018-01-31 13:27:59

Local clock offset: -0.055 ms

Remote clock offset: 0.568 ms

# Below is generated by plot.py at 2018-01-31 19:25:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 14.088 ms

Loss rate: 0.06%

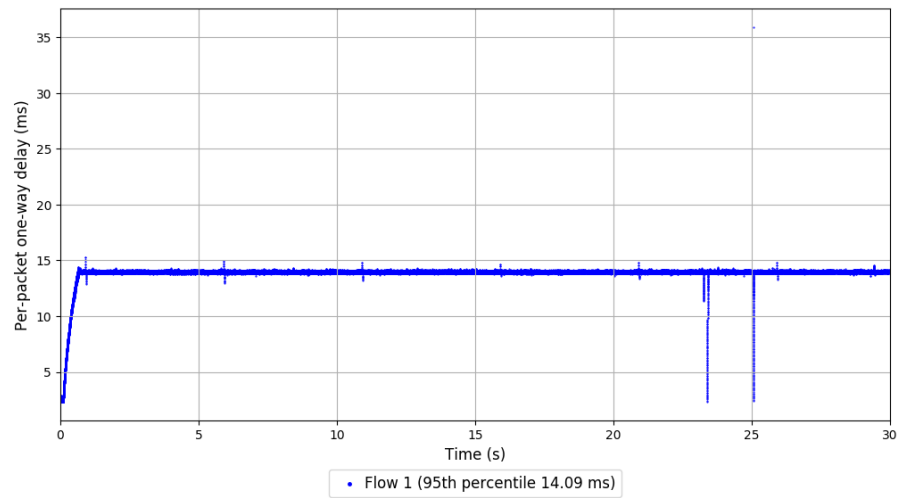
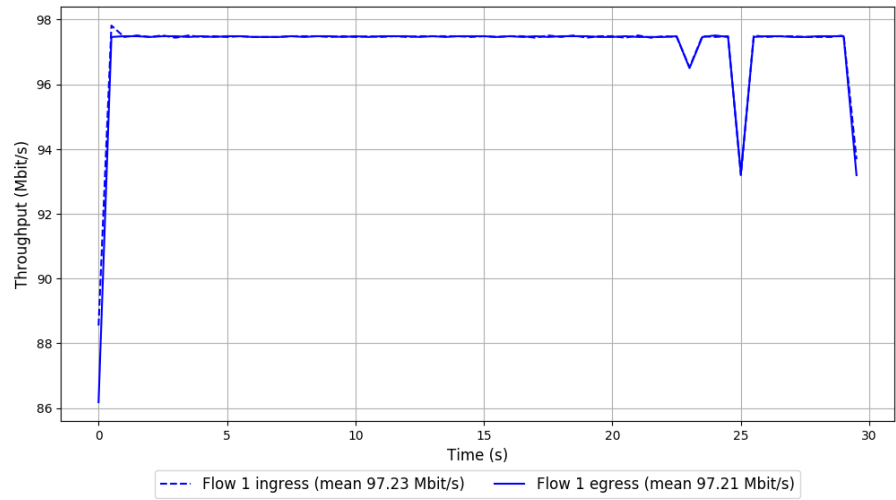
-- Flow 1:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 14.088 ms

Loss rate: 0.06%

### Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-31 13:47:52

End at: 2018-01-31 13:48:22

Local clock offset: -0.059 ms

Remote clock offset: 0.689 ms

# Below is generated by plot.py at 2018-01-31 19:25:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.020 ms

Loss rate: 0.05%

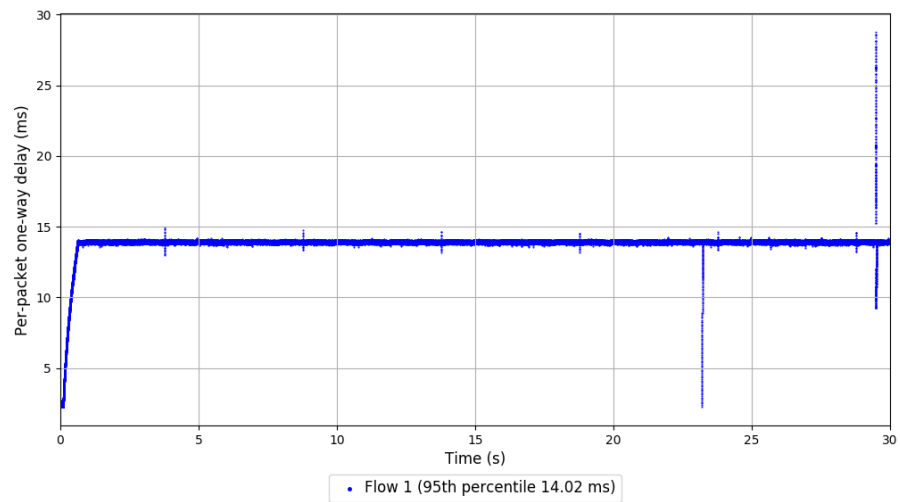
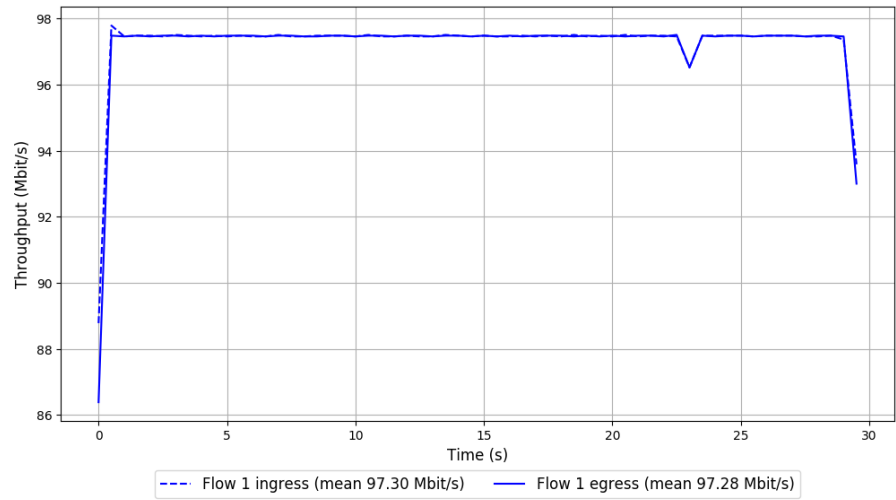
-- Flow 1:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.020 ms

Loss rate: 0.05%

#### Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-31 14:08:08

End at: 2018-01-31 14:08:38

Local clock offset: 0.039 ms

Remote clock offset: 0.816 ms

# Below is generated by plot.py at 2018-01-31 19:25:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.043 ms

Loss rate: 0.06%

-- Flow 1:

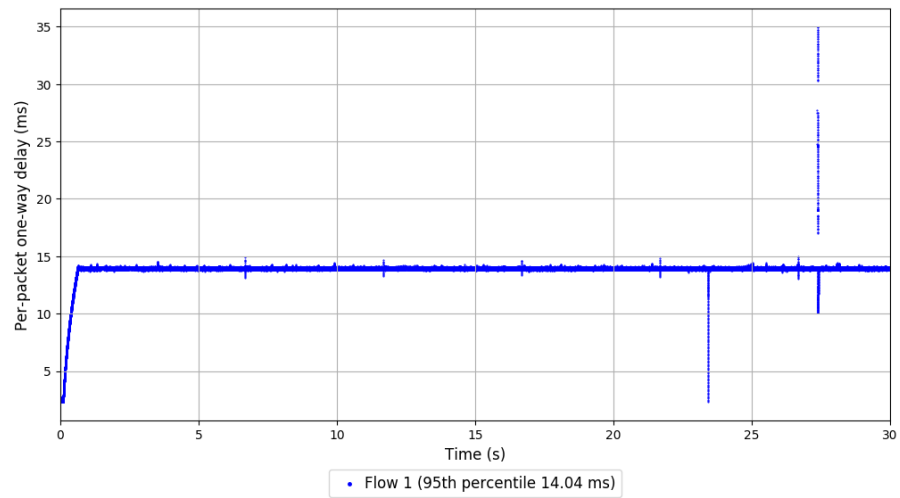
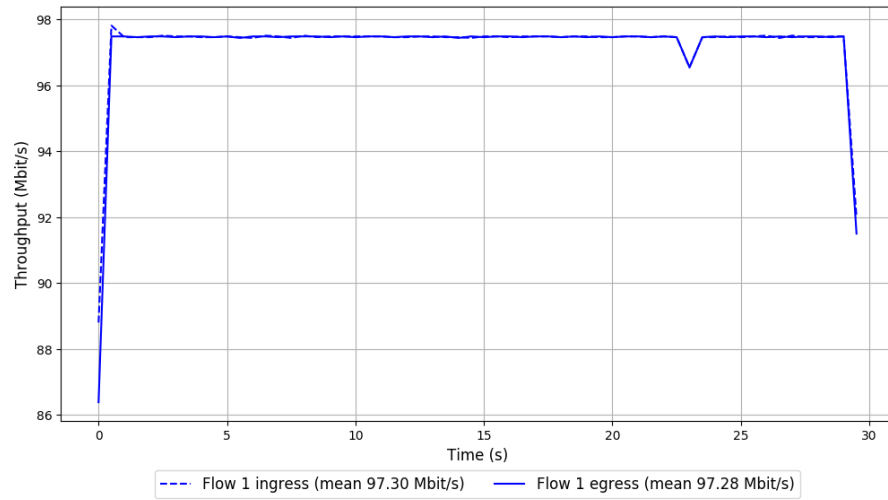
Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.043 ms

Loss rate: 0.06%



### Run 5: Report of LEDBAT — Data Link

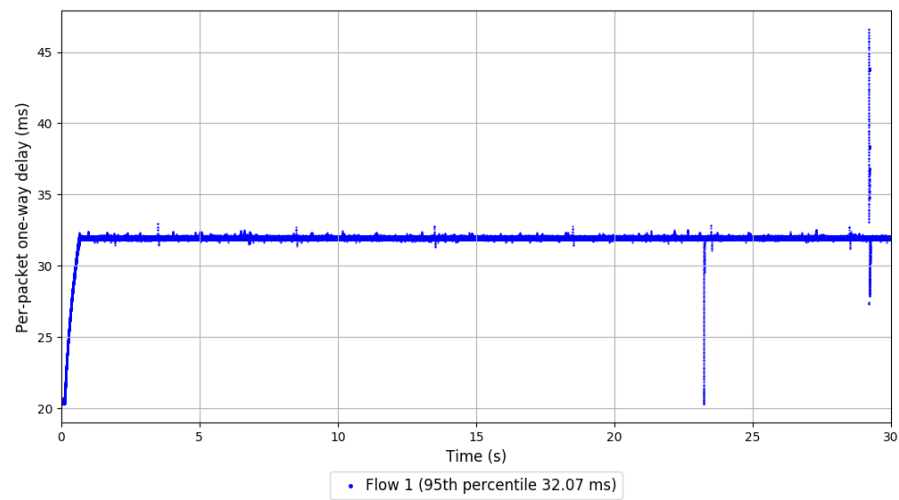
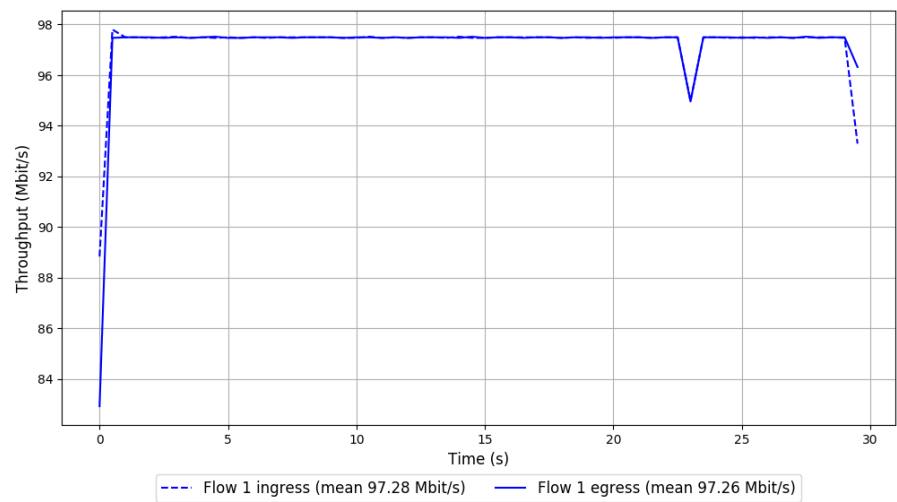


Run 6: Statistics of LEDBAT

Start at: 2018-01-31 14:28:34  
End at: 2018-01-31 14:29:04  
Local clock offset: 0.055 ms  
Remote clock offset: -17.442 ms

# Below is generated by plot.py at 2018-01-31 19:26:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.26 Mbit/s  
95th percentile per-packet one-way delay: 32.070 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.26 Mbit/s  
95th percentile per-packet one-way delay: 32.070 ms  
Loss rate: 0.05%

Run 6: Report of LEDBAT — Data Link

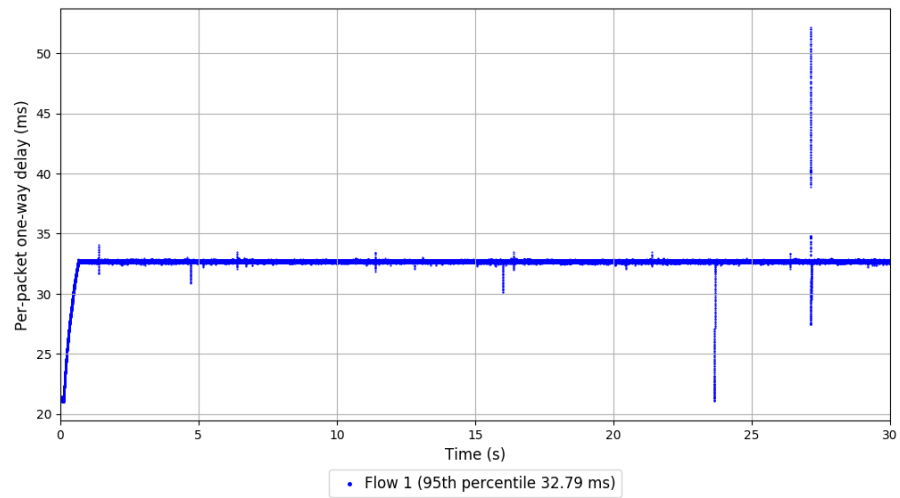
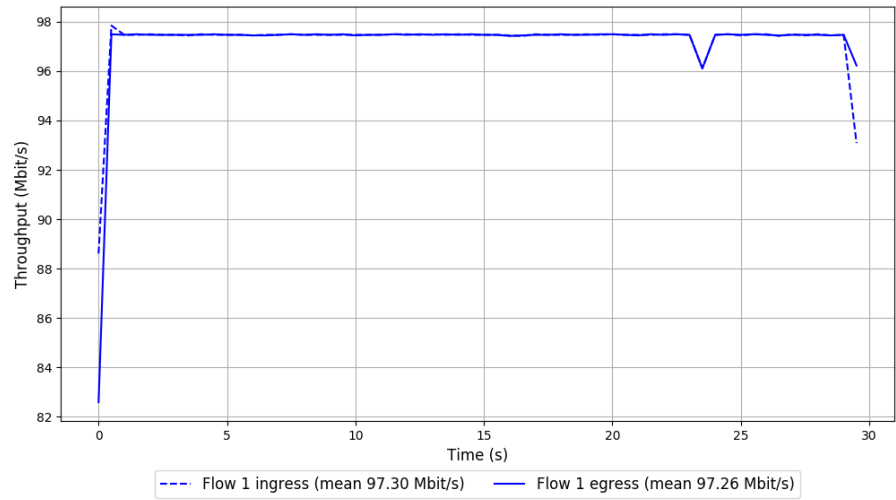


Run 7: Statistics of LEDBAT

Start at: 2018-01-31 14:49:01  
End at: 2018-01-31 14:49:31  
Local clock offset: 0.121 ms  
Remote clock offset: -18.357 ms

# Below is generated by plot.py at 2018-01-31 19:26:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.26 Mbit/s  
95th percentile per-packet one-way delay: 32.788 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 97.26 Mbit/s  
95th percentile per-packet one-way delay: 32.788 ms  
Loss rate: 0.06%

### Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-31 15:09:25

End at: 2018-01-31 15:09:55

Local clock offset: 0.198 ms

Remote clock offset: 0.103 ms

# Below is generated by plot.py at 2018-01-31 19:26:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.150 ms

Loss rate: 0.06%

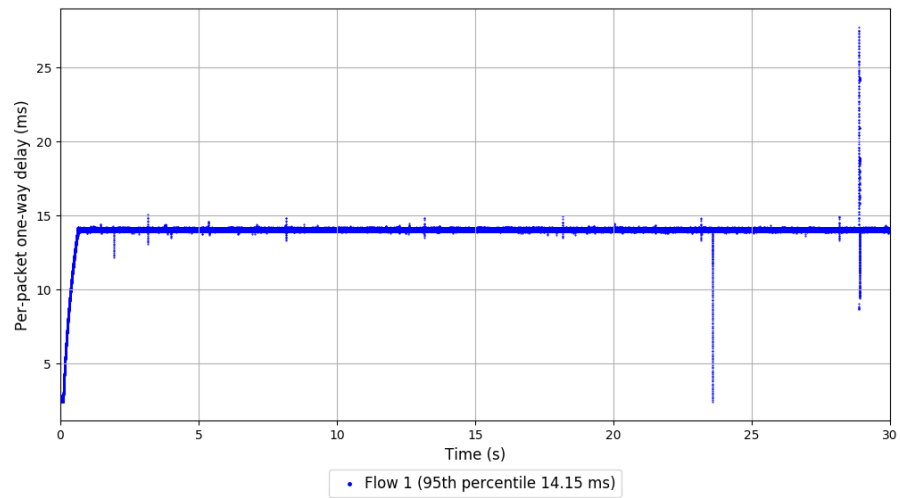
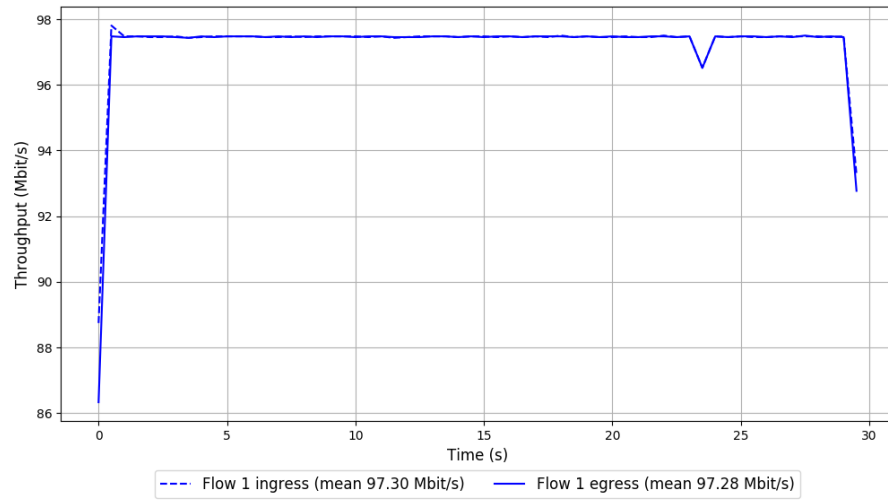
-- Flow 1:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.150 ms

Loss rate: 0.06%

## Run 8: Report of LEDBAT — Data Link



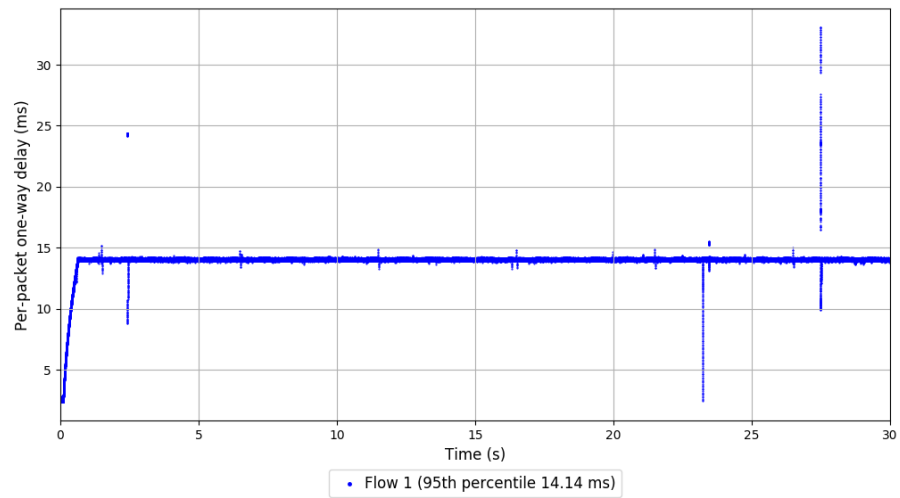
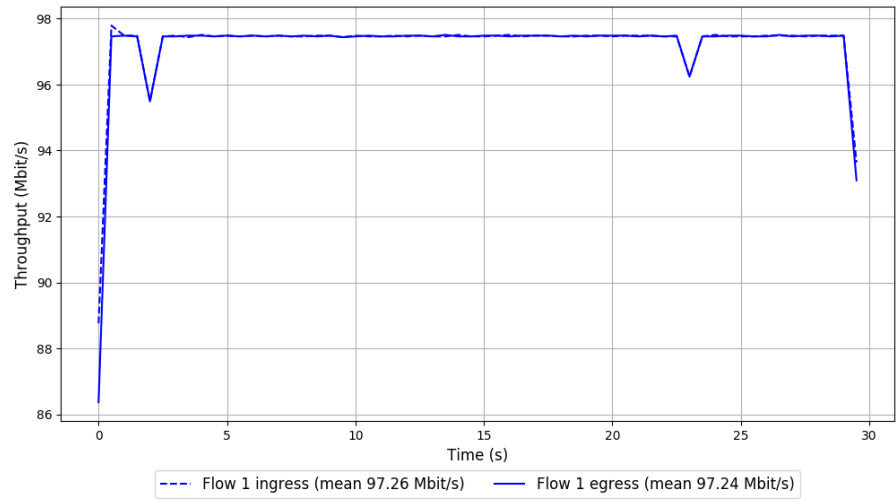
Run 9: Statistics of LEDBAT

Start at: 2018-01-31 15:29:36  
End at: 2018-01-31 15:30:06  
Local clock offset: 0.196 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-01-31 19:26:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.24 Mbit/s  
95th percentile per-packet one-way delay: 14.140 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 97.24 Mbit/s  
95th percentile per-packet one-way delay: 14.140 ms  
Loss rate: 0.06%



### Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-31 15:49:54

End at: 2018-01-31 15:50:24

Local clock offset: 0.183 ms

Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-01-31 19:26:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.080 ms

Loss rate: 0.06%

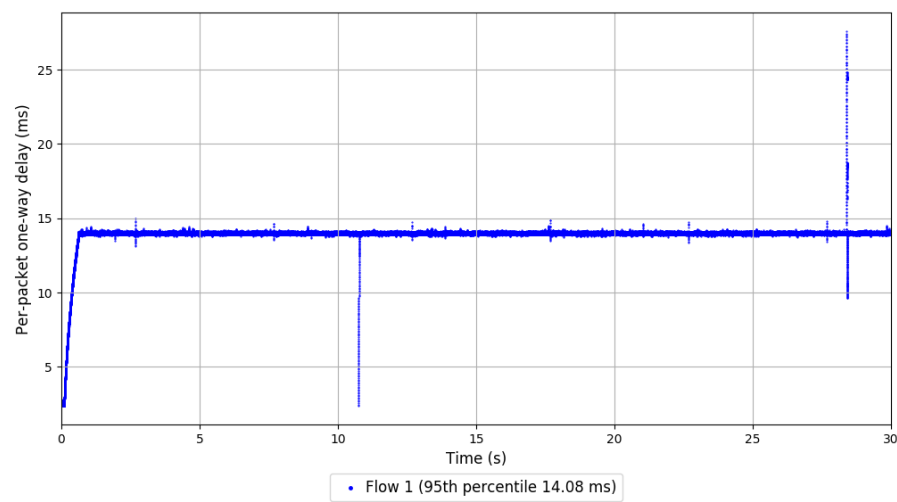
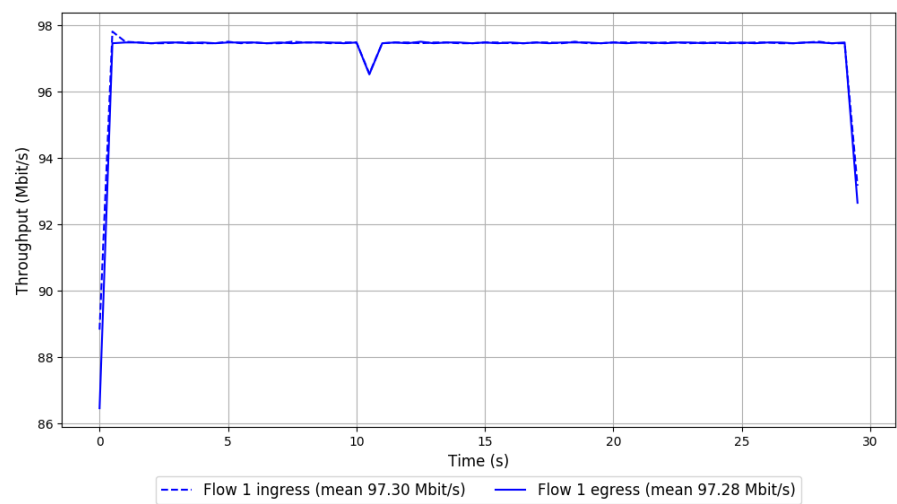
-- Flow 1:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.080 ms

Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-01-31 12:36:53

End at: 2018-01-31 12:37:23

Local clock offset: -0.347 ms

Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2018-01-31 19:26:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 2.766 ms

Loss rate: 0.02%

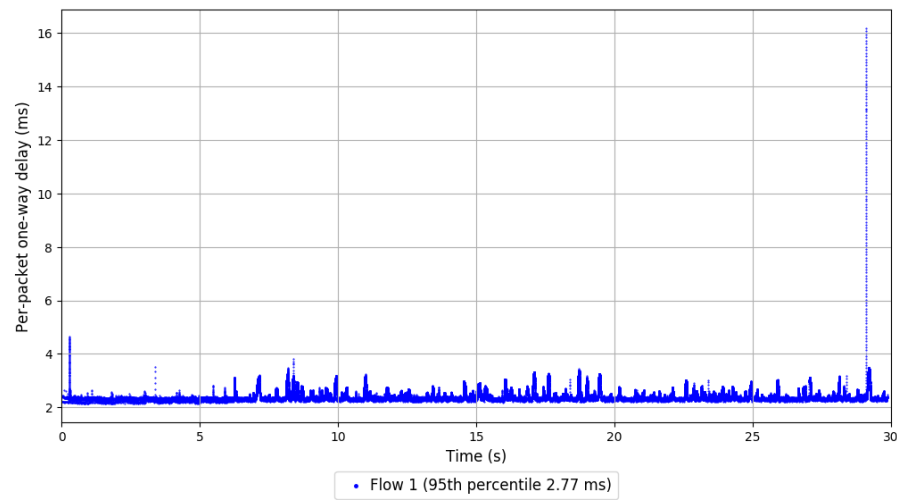
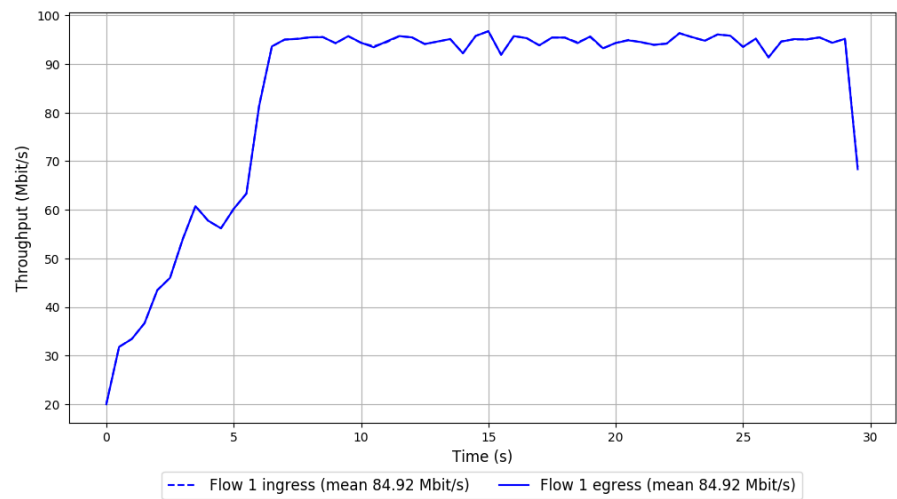
-- Flow 1:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 2.766 ms

Loss rate: 0.02%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-31 12:57:13

End at: 2018-01-31 12:57:44

Local clock offset: -0.332 ms

Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-01-31 19:26:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 2.943 ms

Loss rate: 0.02%

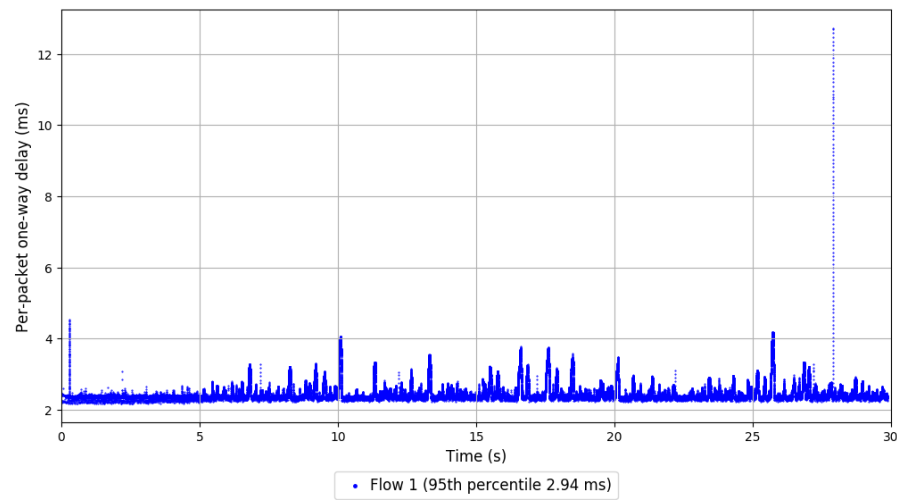
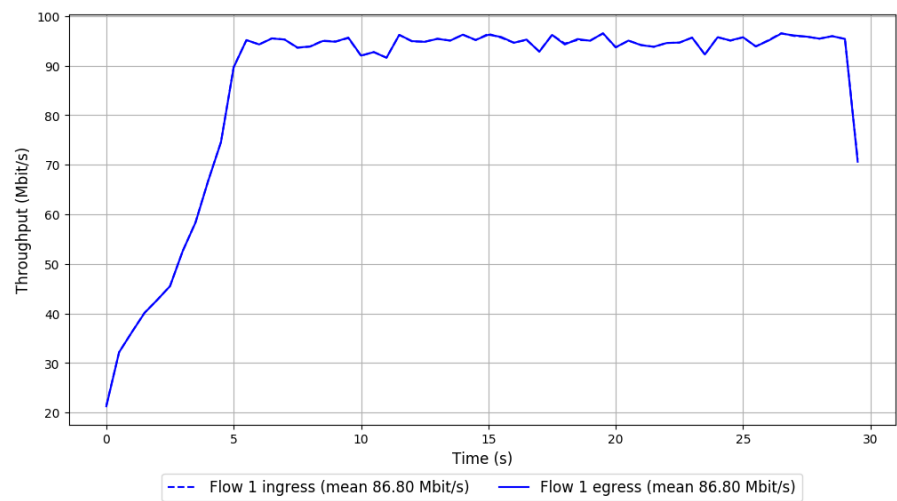
-- Flow 1:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 2.943 ms

Loss rate: 0.02%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-31 13:17:32

End at: 2018-01-31 13:18:02

Local clock offset: -0.106 ms

Remote clock offset: 0.495 ms

# Below is generated by plot.py at 2018-01-31 19:26:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 2.994 ms

Loss rate: 0.01%

-- Flow 1:

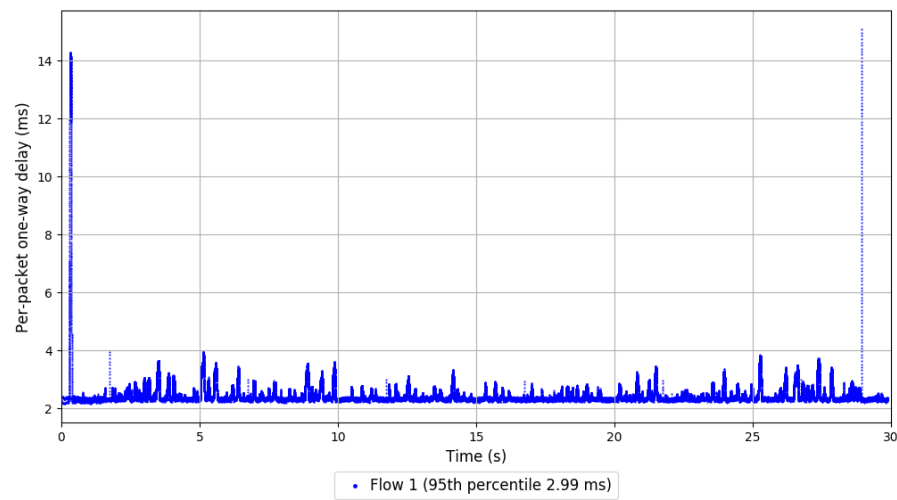
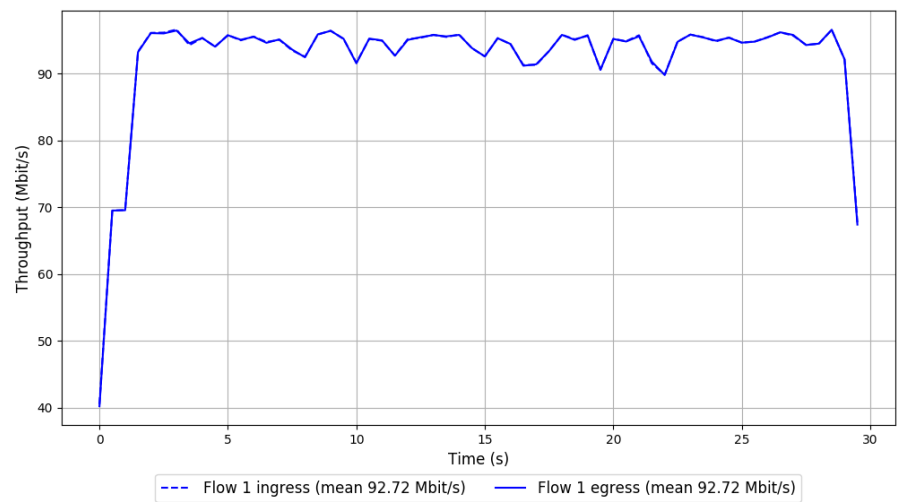
Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 2.994 ms

Loss rate: 0.01%



Run 3: Report of PCC — Data Link

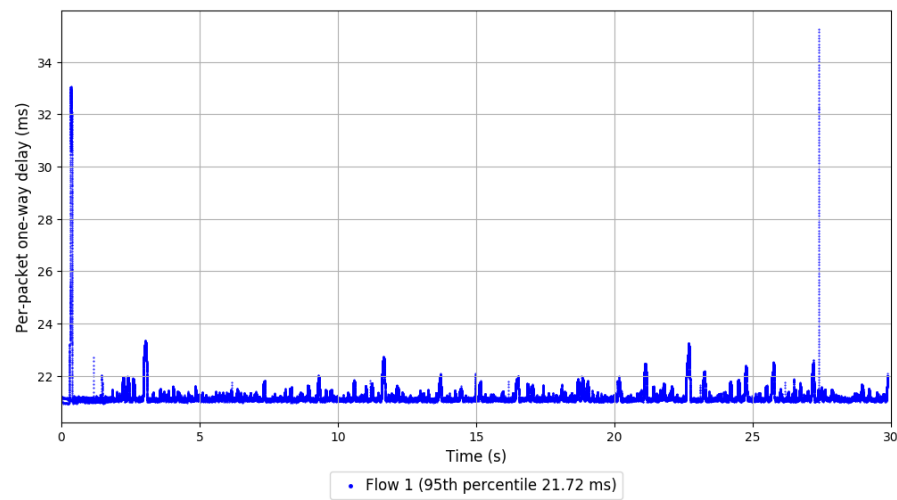
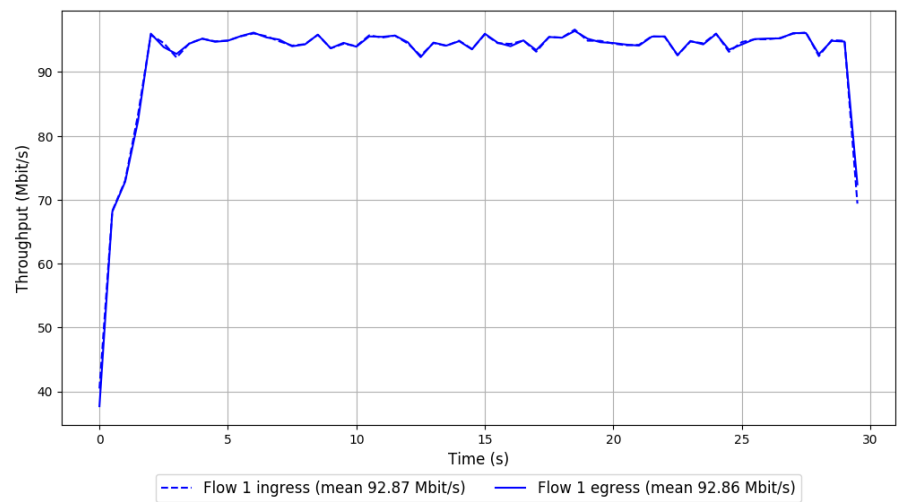


Run 4: Statistics of PCC

Start at: 2018-01-31 13:37:44  
End at: 2018-01-31 13:38:14  
Local clock offset: -0.016 ms  
Remote clock offset: -18.154 ms

# Below is generated by plot.py at 2018-01-31 19:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.86 Mbit/s  
95th percentile per-packet one-way delay: 21.721 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 92.86 Mbit/s  
95th percentile per-packet one-way delay: 21.721 ms  
Loss rate: 0.02%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

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

End at: 2018-01-31 13:58:33

Local clock offset: 0.014 ms

Remote clock offset: 0.768 ms

# Below is generated by plot.py at 2018-01-31 19:27:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 2.850 ms

Loss rate: 0.01%

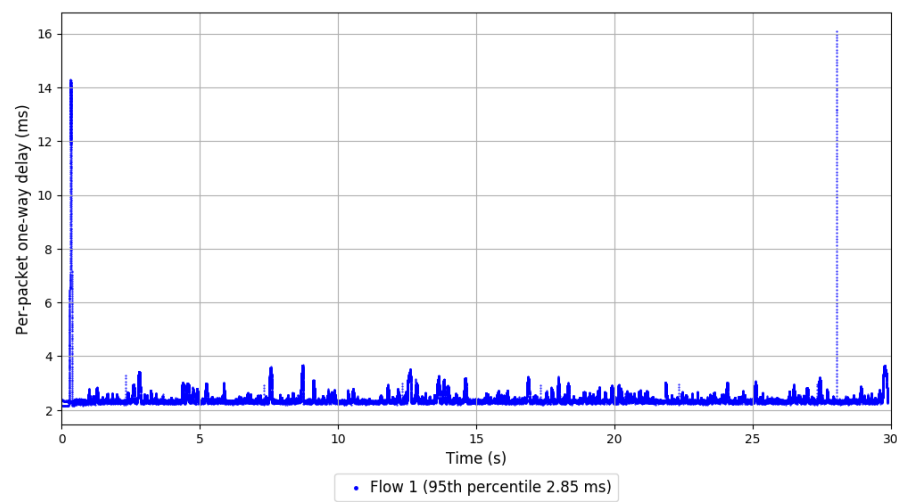
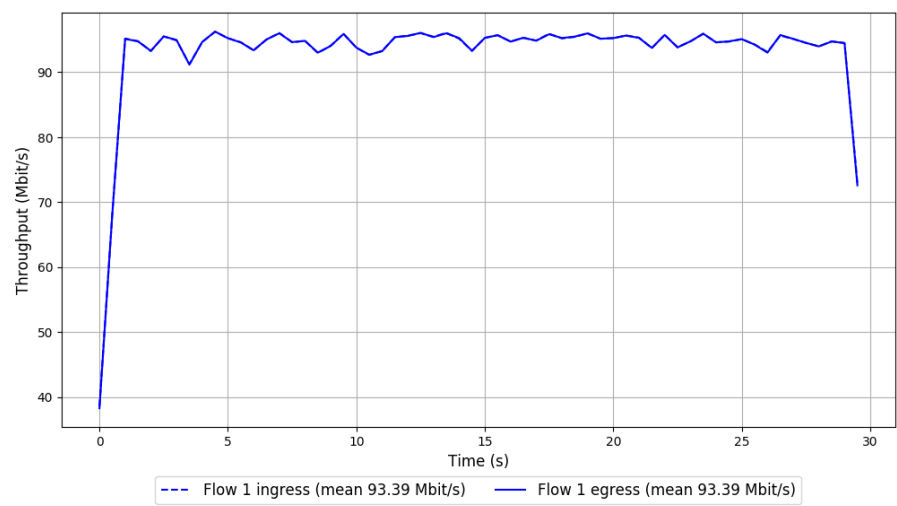
-- Flow 1:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 2.850 ms

Loss rate: 0.01%

Run 5: Report of PCC — Data Link

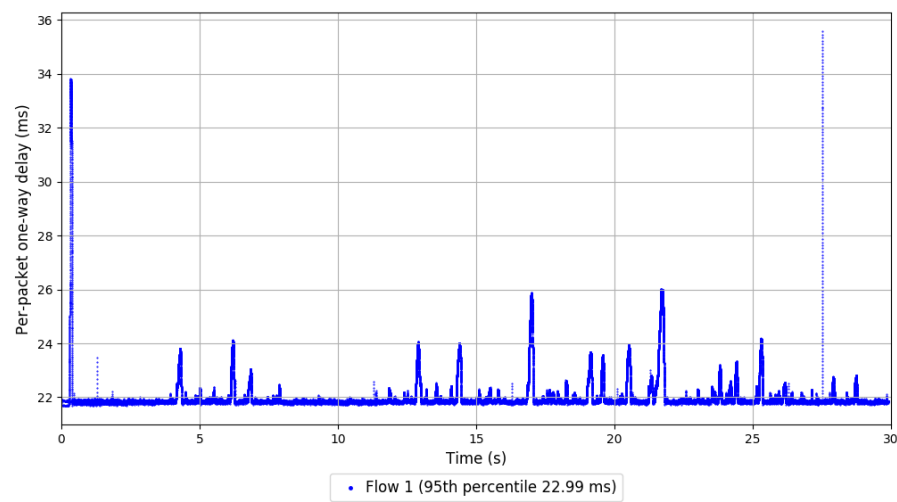
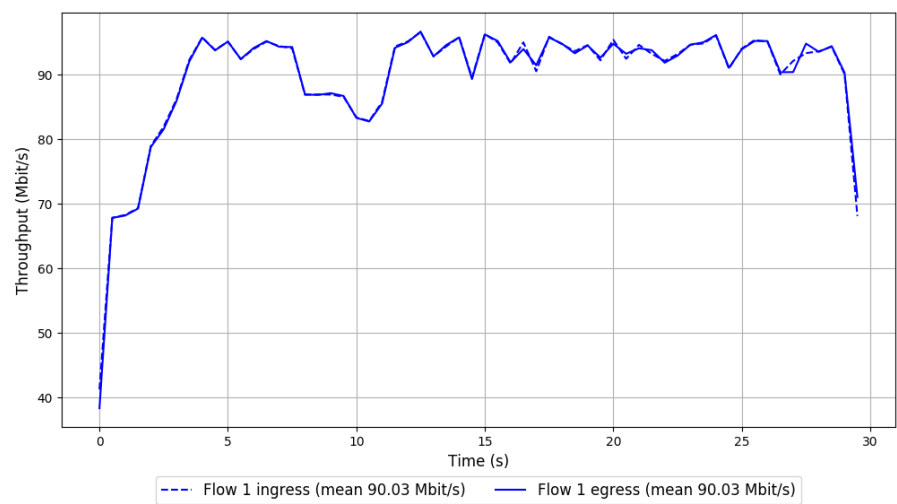


Run 6: Statistics of PCC

Start at: 2018-01-31 14:18:26  
End at: 2018-01-31 14:18:56  
Local clock offset: -0.025 ms  
Remote clock offset: -18.944 ms

# Below is generated by plot.py at 2018-01-31 19:27:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.03 Mbit/s  
95th percentile per-packet one-way delay: 22.988 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 90.03 Mbit/s  
95th percentile per-packet one-way delay: 22.988 ms  
Loss rate: 0.02%

Run 6: Report of PCC — Data Link



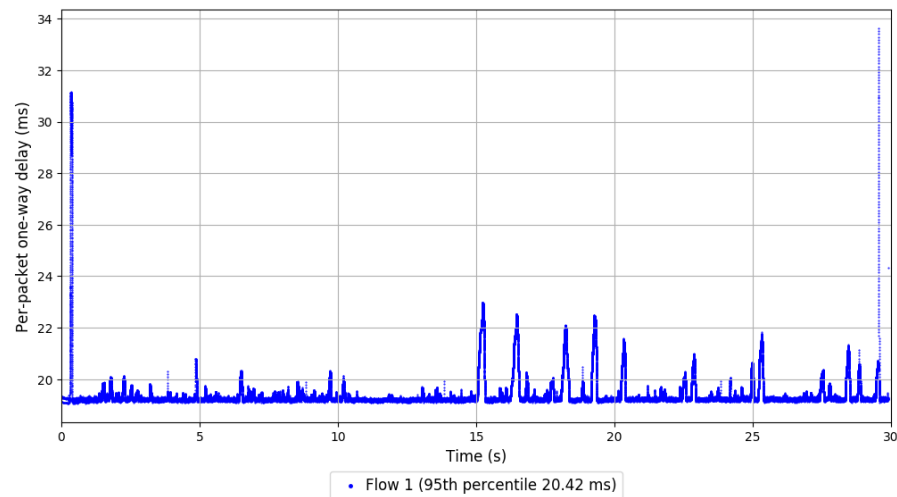
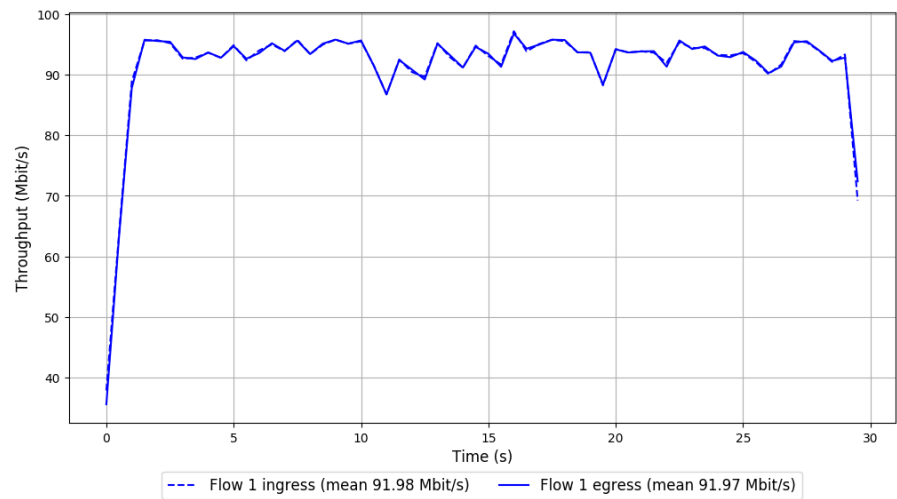
Run 7: Statistics of PCC

Start at: 2018-01-31 14:38:49  
End at: 2018-01-31 14:39:19  
Local clock offset: 0.09 ms  
Remote clock offset: -16.419 ms

# Below is generated by plot.py at 2018-01-31 19:27:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.97 Mbit/s  
95th percentile per-packet one-way delay: 20.421 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 91.97 Mbit/s  
95th percentile per-packet one-way delay: 20.421 ms  
Loss rate: 0.02%



Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-31 14:59:16

End at: 2018-01-31 14:59:46

Local clock offset: 0.144 ms

Remote clock offset: 0.258 ms

# Below is generated by plot.py at 2018-01-31 19:27:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 3.565 ms

Loss rate: 0.02%

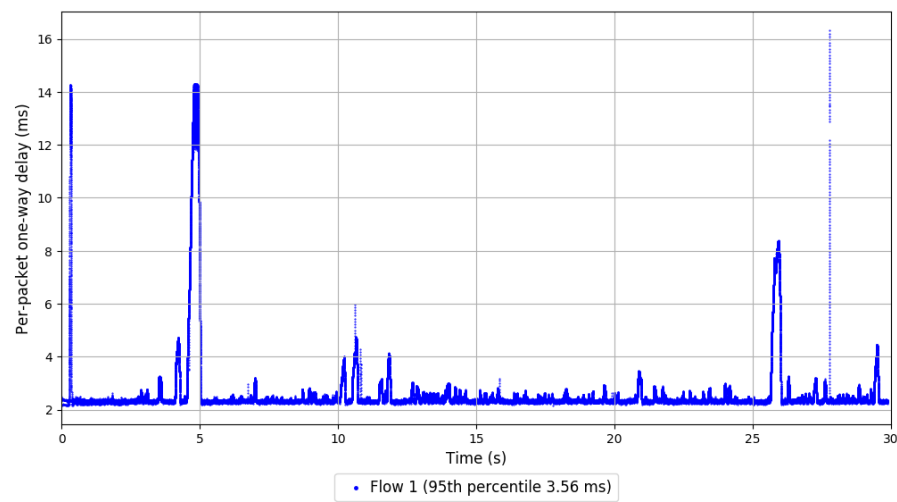
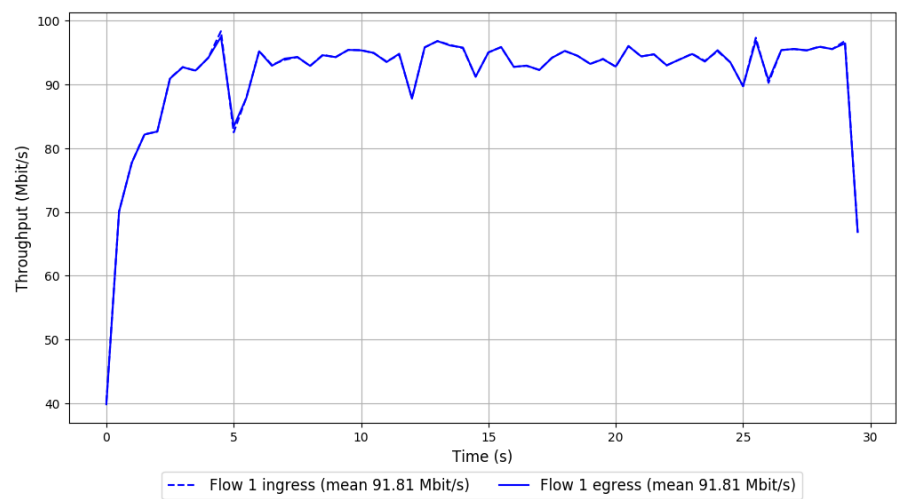
-- Flow 1:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 3.565 ms

Loss rate: 0.02%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-31 15:19:30

End at: 2018-01-31 15:20:01

Local clock offset: 0.189 ms

Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-01-31 19:27:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 2.854 ms

Loss rate: 0.02%

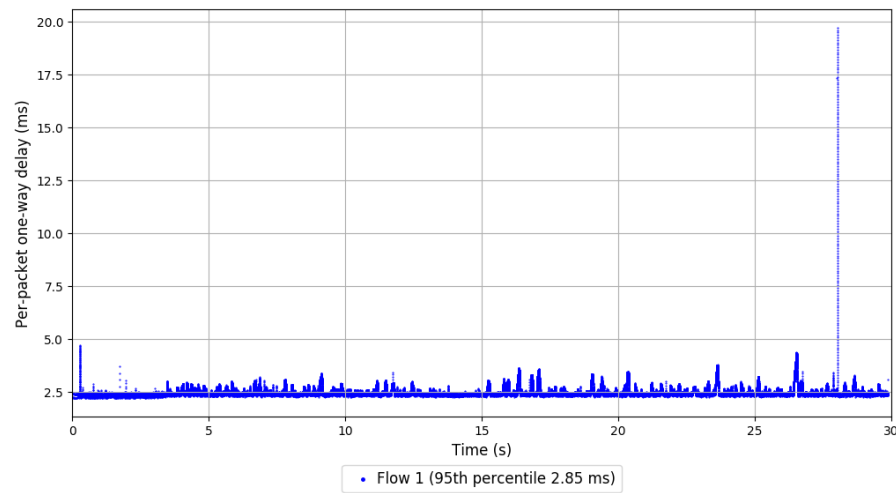
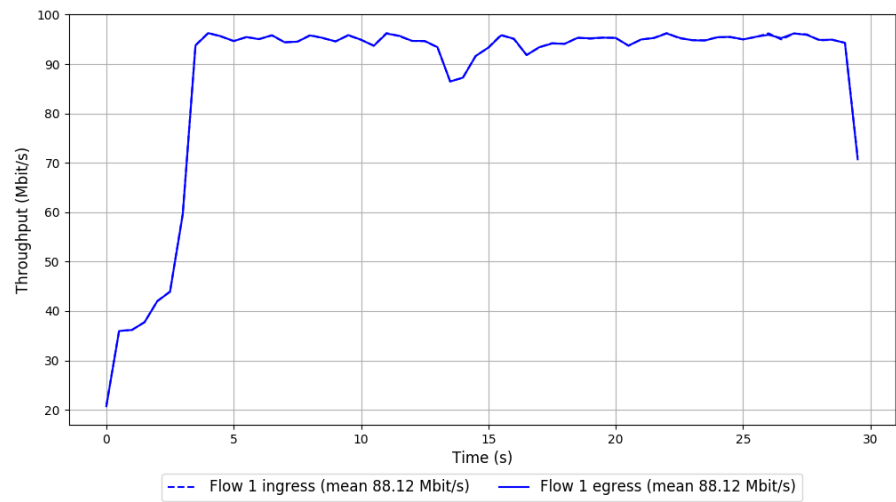
-- Flow 1:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 2.854 ms

Loss rate: 0.02%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-31 15:39:46

End at: 2018-01-31 15:40:16

Local clock offset: 0.181 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-01-31 19:27:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 3.178 ms

Loss rate: 0.02%

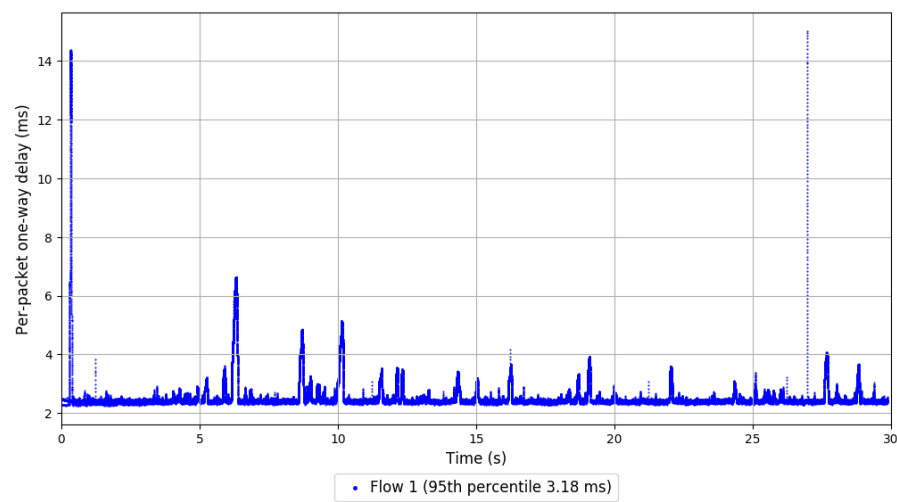
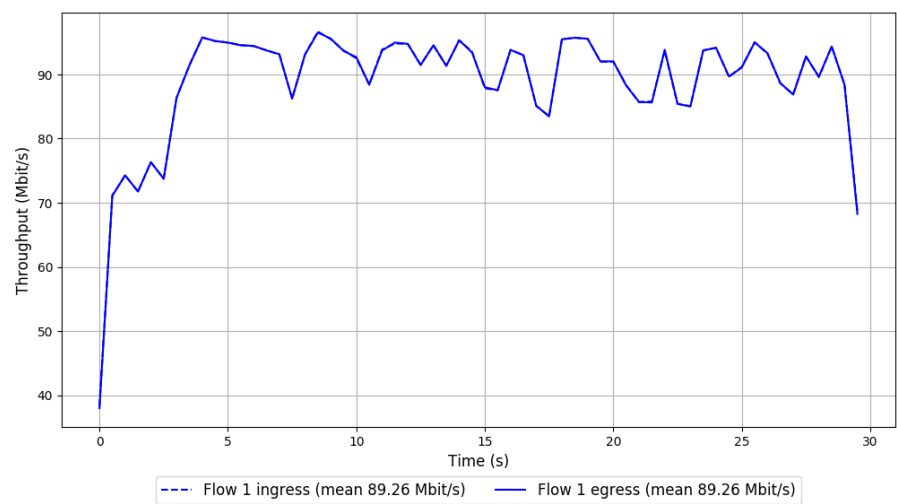
-- Flow 1:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 3.178 ms

Loss rate: 0.02%

Run 10: Report of PCC — Data Link



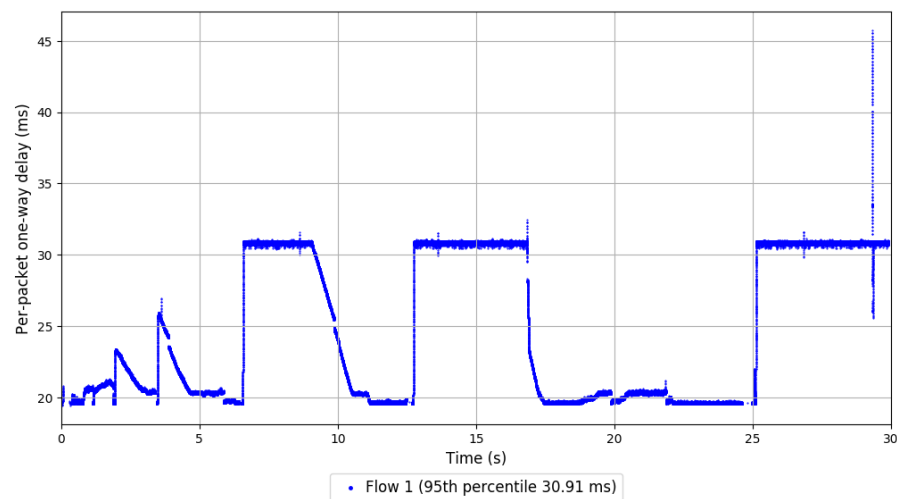
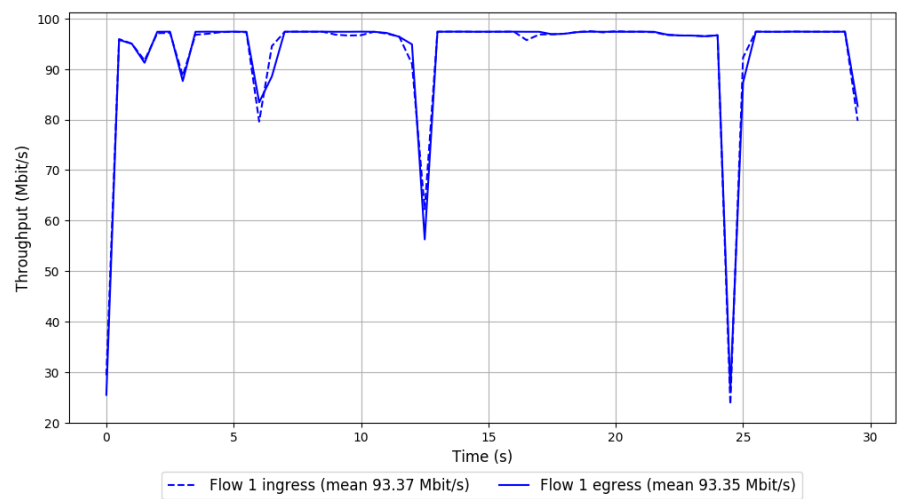
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-31 12:51:34  
End at: 2018-01-31 12:52:04  
Local clock offset: -0.351 ms  
Remote clock offset: -17.014 ms

# Below is generated by plot.py at 2018-01-31 19:28:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.35 Mbit/s  
95th percentile per-packet one-way delay: 30.911 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 93.35 Mbit/s  
95th percentile per-packet one-way delay: 30.911 ms  
Loss rate: 0.06%



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-31 13:11:59

End at: 2018-01-31 13:12:29

Local clock offset: -0.15 ms

Remote clock offset: 0.438 ms

# Below is generated by plot.py at 2018-01-31 19:29:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 13.675 ms

Loss rate: 0.06%

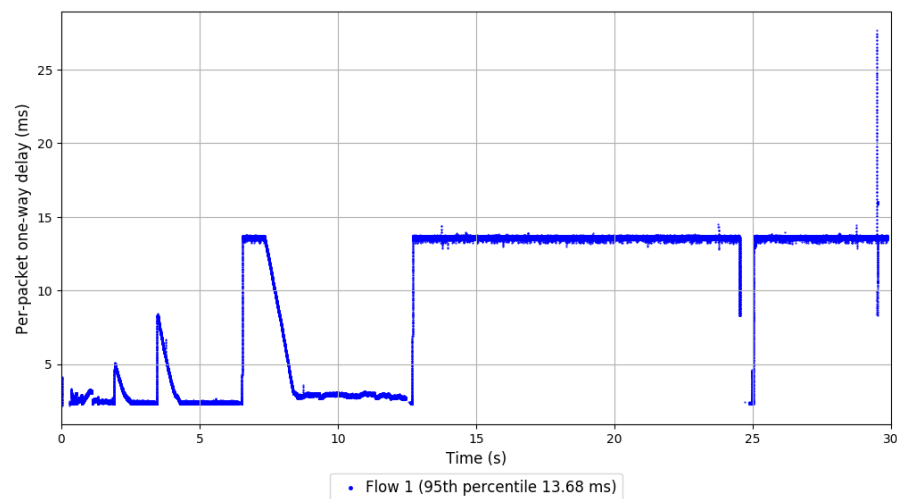
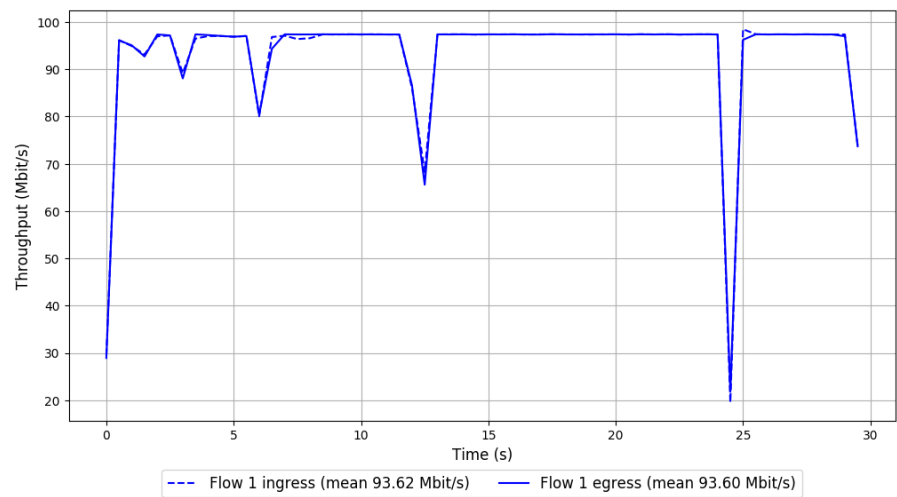
-- Flow 1:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 13.675 ms

Loss rate: 0.06%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-31 13:32:05

End at: 2018-01-31 13:32:35

Local clock offset: -0.043 ms

Remote clock offset: 0.594 ms

# Below is generated by plot.py at 2018-01-31 19:29:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 2.487 ms

Loss rate: 0.02%

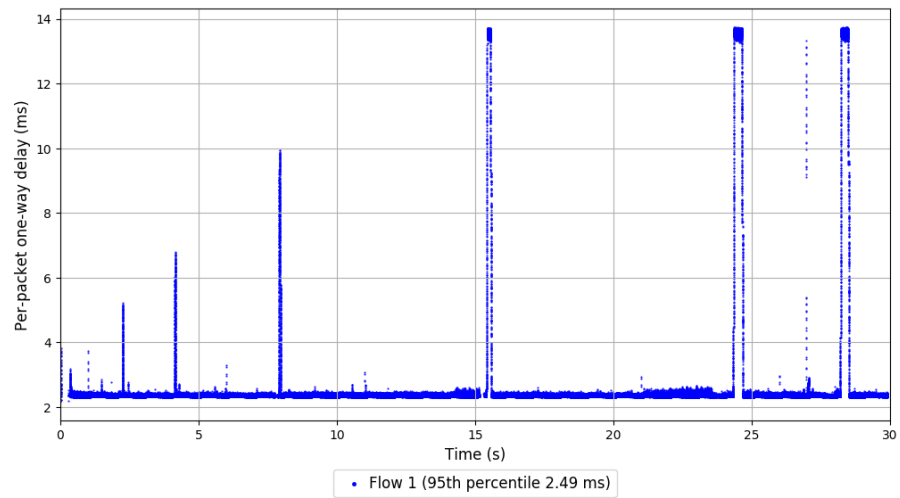
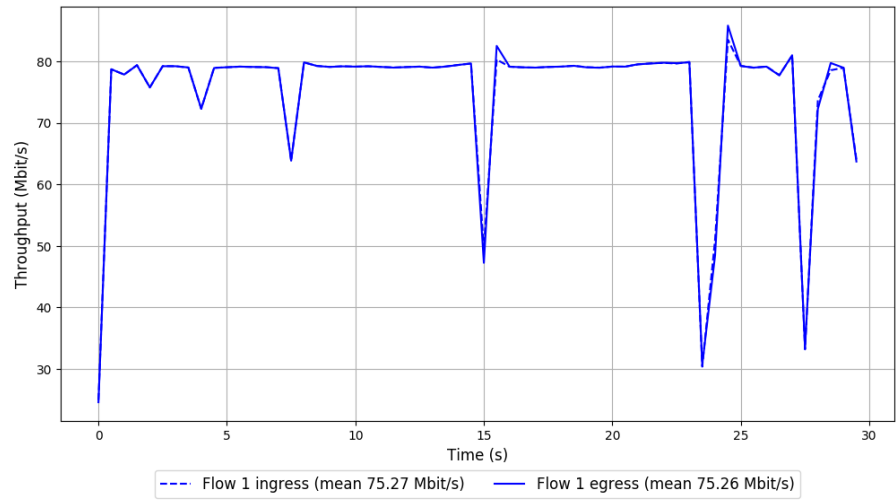
-- Flow 1:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 2.487 ms

Loss rate: 0.02%

### Run 3: Report of QUIC Cubic — Data Link

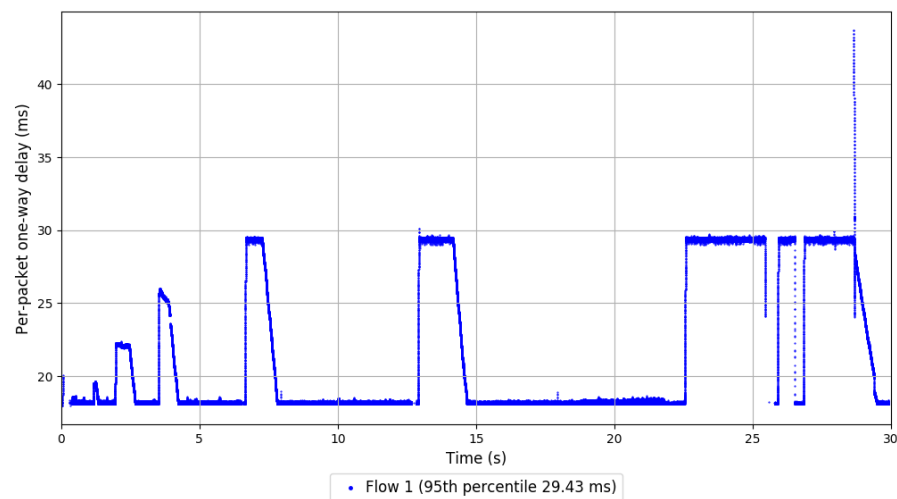
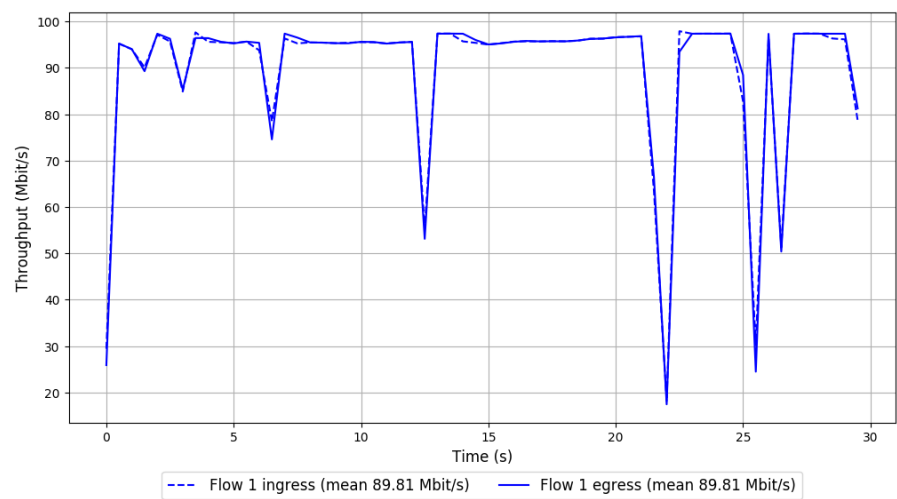


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-31 13:52:24  
End at: 2018-01-31 13:52:54  
Local clock offset: -0.008 ms  
Remote clock offset: -15.089 ms

# Below is generated by plot.py at 2018-01-31 19:29:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.81 Mbit/s  
95th percentile per-packet one-way delay: 29.434 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 89.81 Mbit/s  
95th percentile per-packet one-way delay: 29.434 ms  
Loss rate: 0.02%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-31 14:12:43

End at: 2018-01-31 14:13:13

Local clock offset: 0.01 ms

Remote clock offset: 0.755 ms

# Below is generated by plot.py at 2018-01-31 19:29:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.11 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.01%

-- Flow 1:

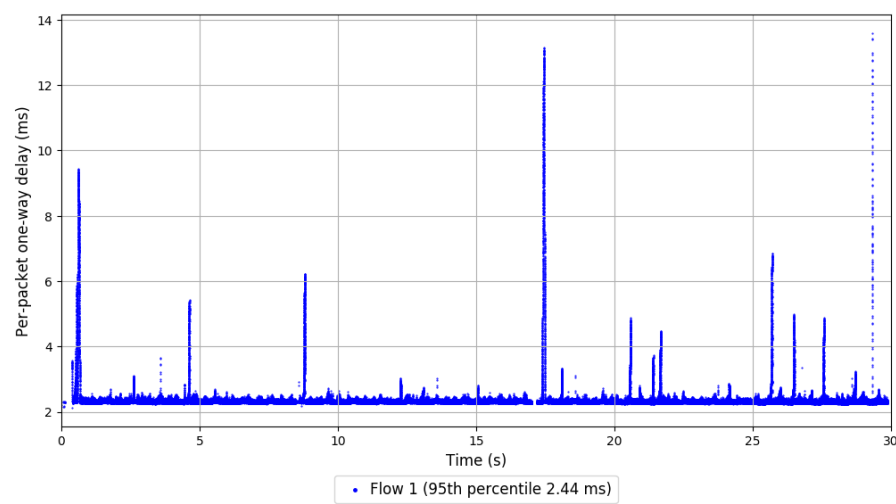
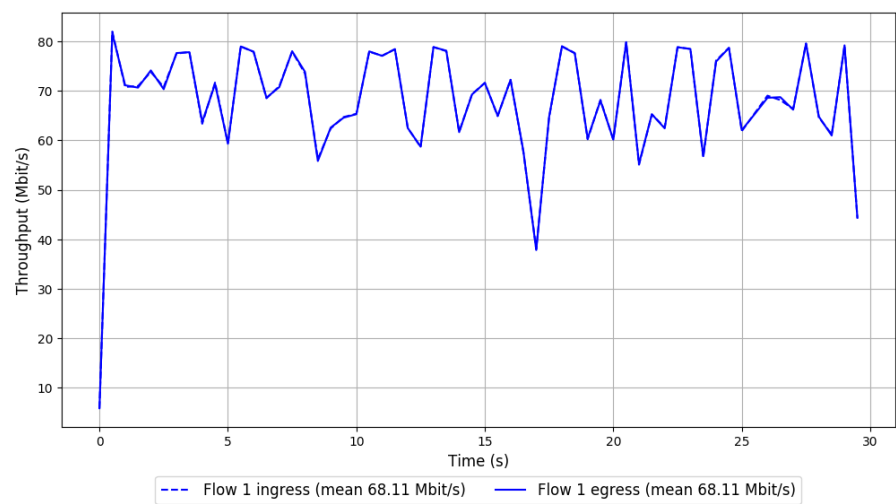
Average throughput: 68.11 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.01%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-31 14:33:11

End at: 2018-01-31 14:33:41

Local clock offset: 0.022 ms

Remote clock offset: 0.448 ms

# Below is generated by plot.py at 2018-01-31 19:29:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 13.657 ms

Loss rate: 0.06%

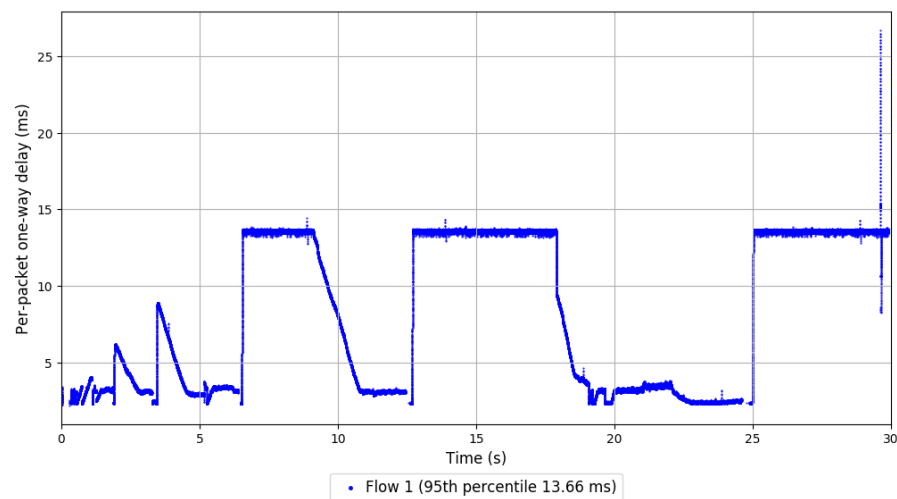
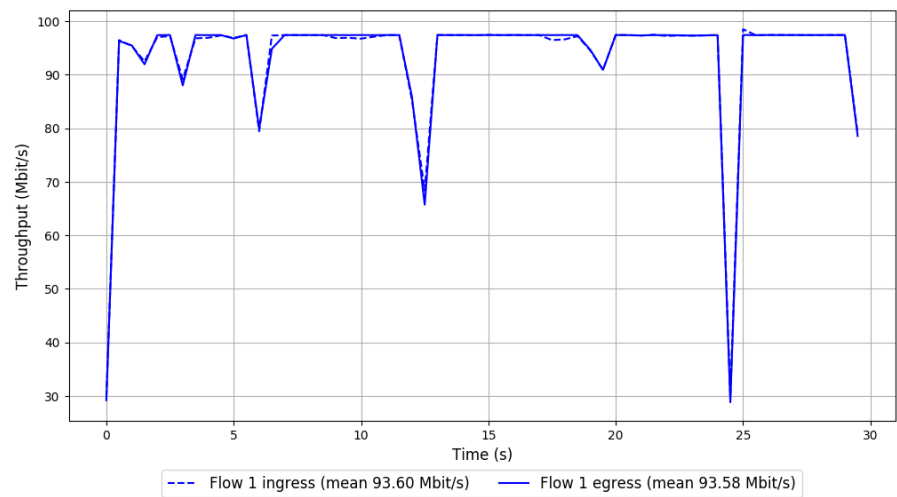
-- Flow 1:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 13.657 ms

Loss rate: 0.06%

Run 6: Report of QUIC Cubic — Data Link

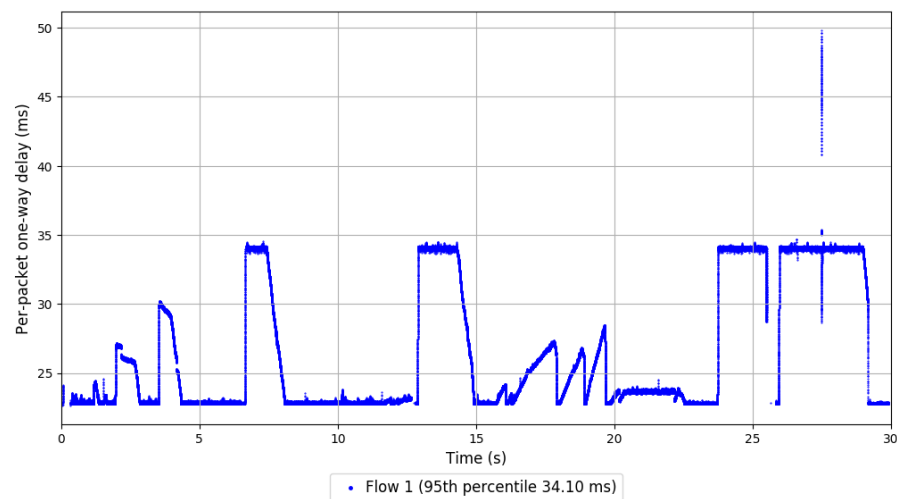
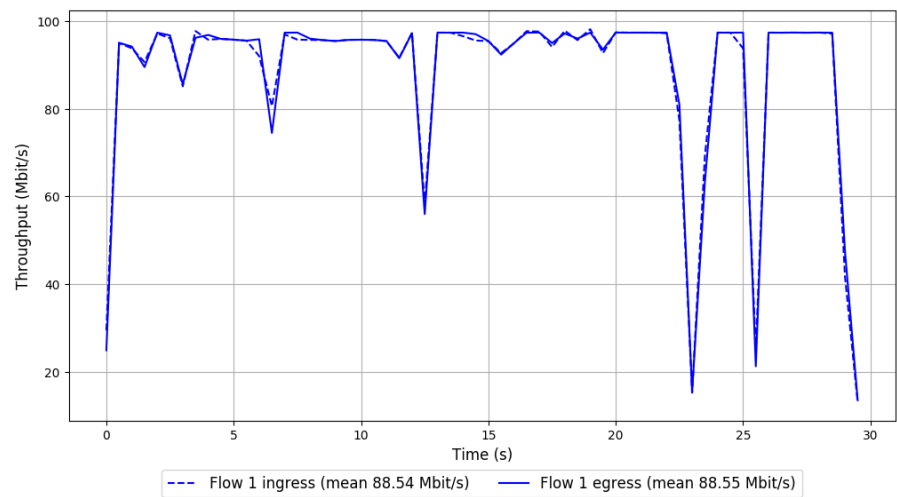


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-31 14:53:38  
End at: 2018-01-31 14:54:08  
Local clock offset: 0.141 ms  
Remote clock offset: -20.149 ms

# Below is generated by plot.py at 2018-01-31 19:29:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.55 Mbit/s  
95th percentile per-packet one-way delay: 34.101 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 88.55 Mbit/s  
95th percentile per-packet one-way delay: 34.101 ms  
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

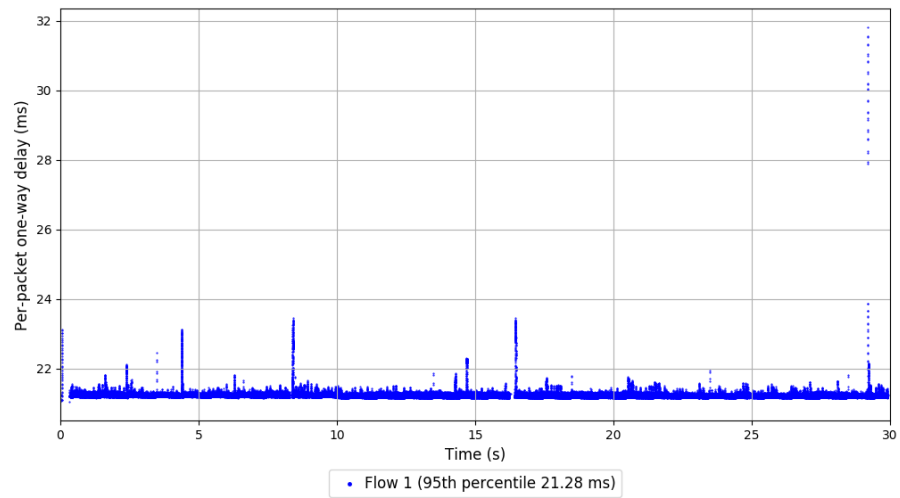
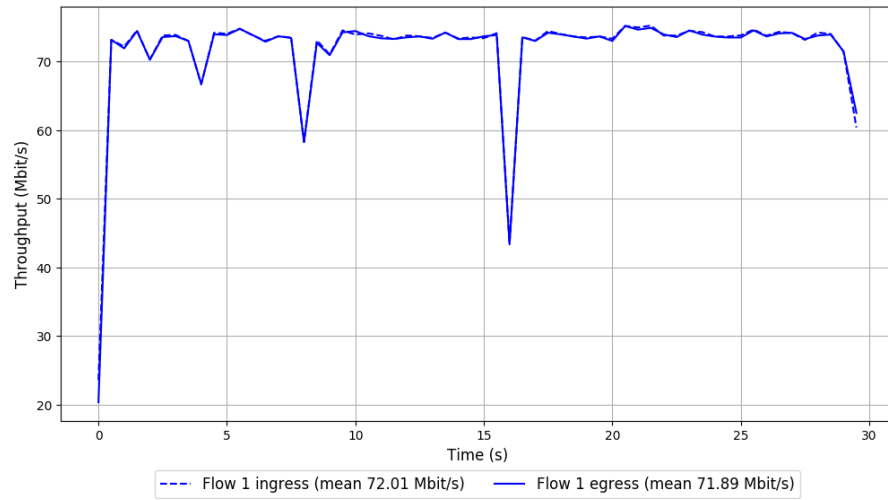


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-31 15:14:01  
End at: 2018-01-31 15:14:31  
Local clock offset: 0.17 ms  
Remote clock offset: -18.742 ms

# Below is generated by plot.py at 2018-01-31 19:29:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.89 Mbit/s  
95th percentile per-packet one-way delay: 21.283 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 71.89 Mbit/s  
95th percentile per-packet one-way delay: 21.283 ms  
Loss rate: 0.17%

## Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-31 15:34:13

End at: 2018-01-31 15:34:43

Local clock offset: 0.189 ms

Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-01-31 19:29:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 13.506 ms

Loss rate: 0.06%

-- Flow 1:

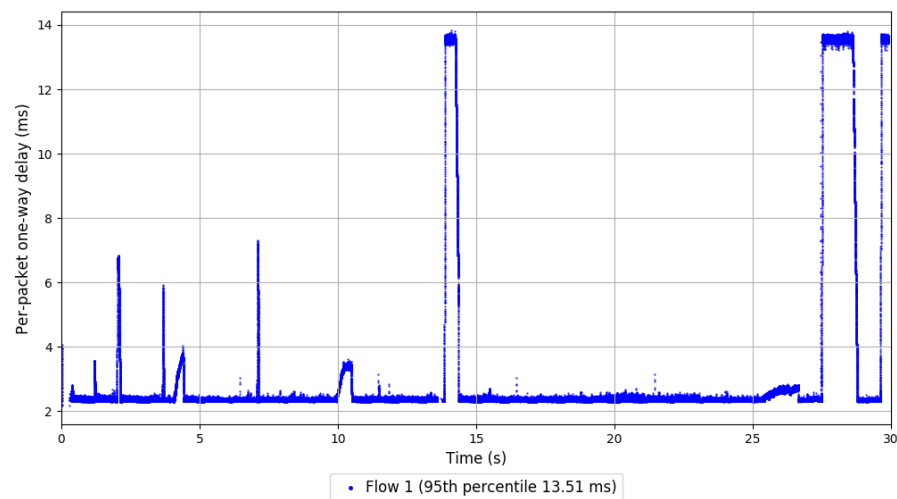
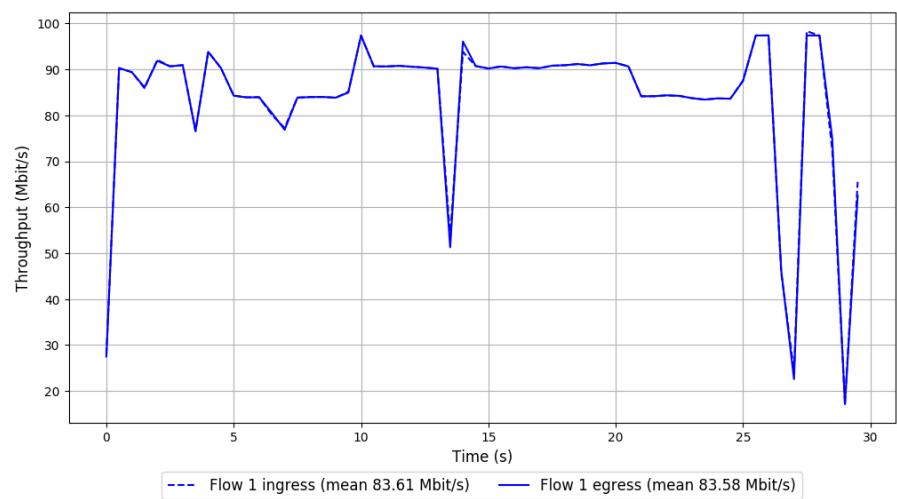
Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 13.506 ms

Loss rate: 0.06%



Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-31 15:54:31

End at: 2018-01-31 15:55:01

Local clock offset: 0.161 ms

Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 13.498 ms

Loss rate: 0.02%

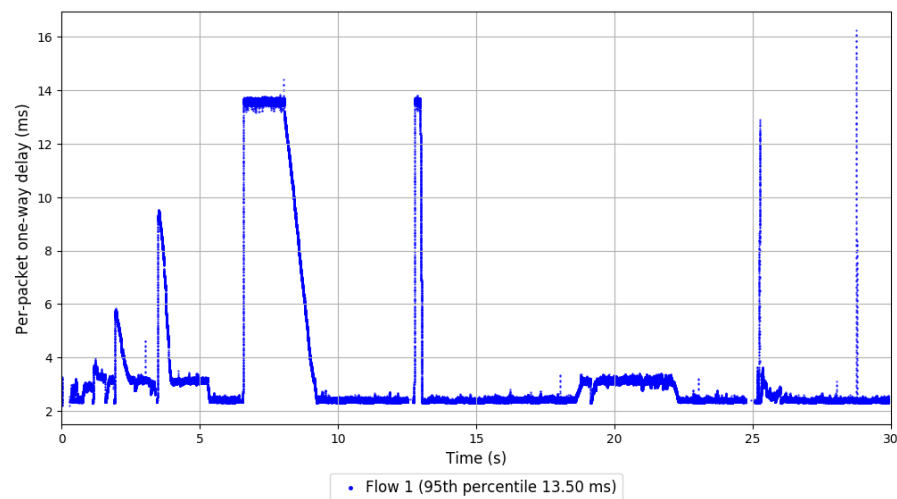
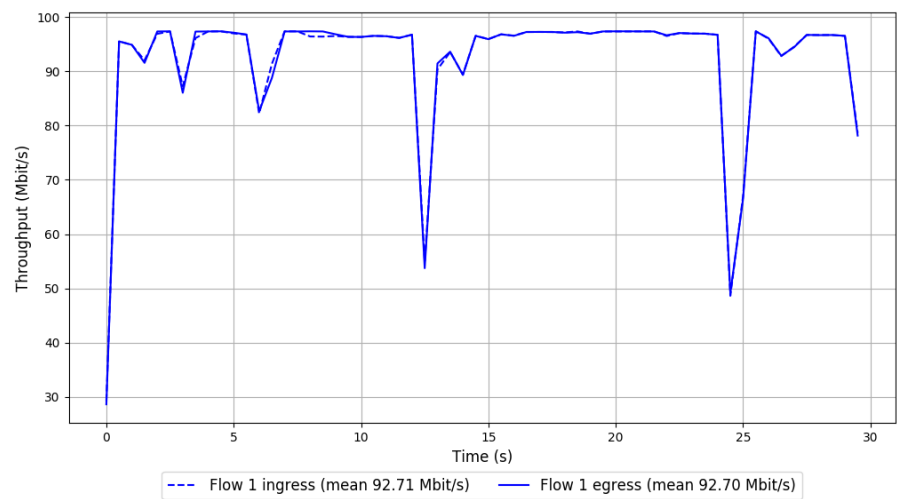
-- Flow 1:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 13.498 ms

Loss rate: 0.02%

Run 10: Report of QUIC Cubic — Data Link

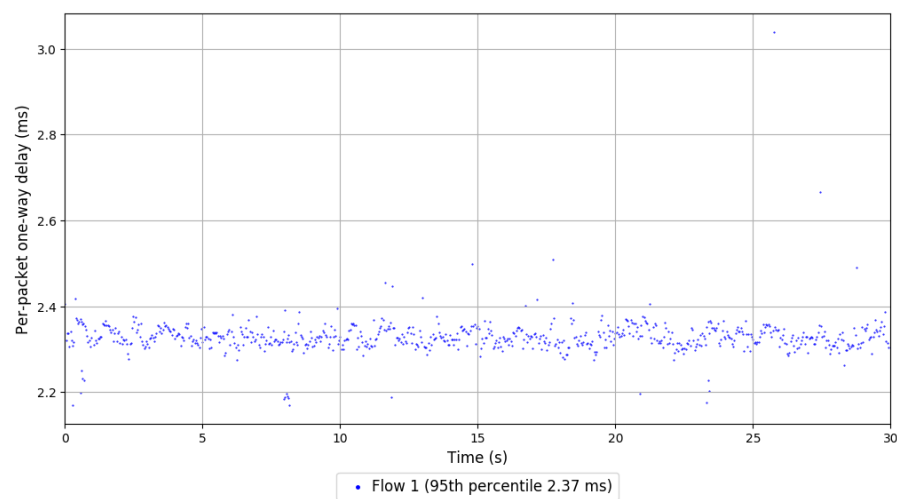
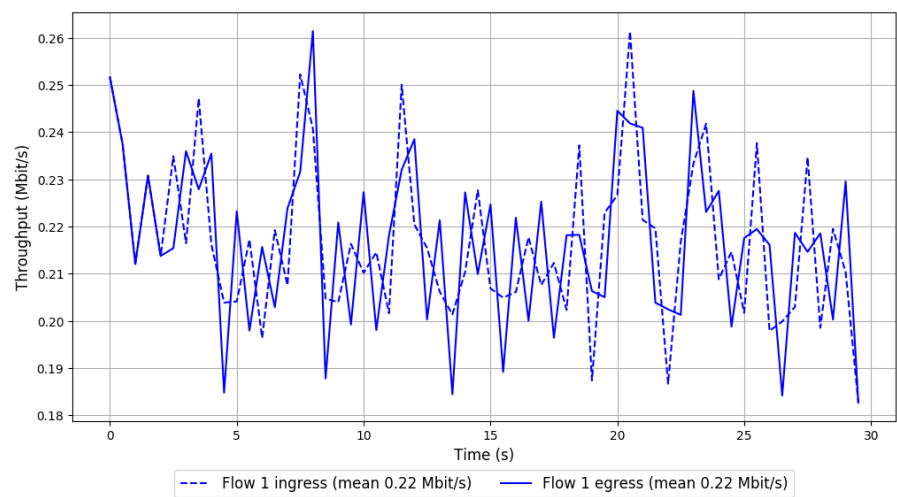


```
Run 1: Statistics of SCReAM

Start at: 2018-01-31 12:42:35
End at: 2018-01-31 12:43:05
Local clock offset: -0.354 ms
Remote clock offset: 0.141 ms

# Below is generated by plot.py at 2018-01-31 19:30:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-01-31 13:02:56

End at: 2018-01-31 13:03:26

Local clock offset: -0.289 ms

Remote clock offset: 0.337 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.347 ms

Loss rate: 0.00%

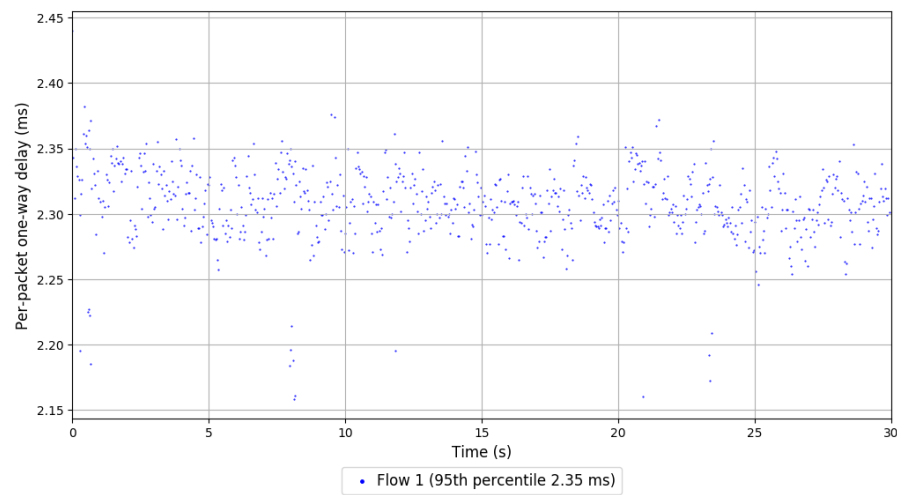
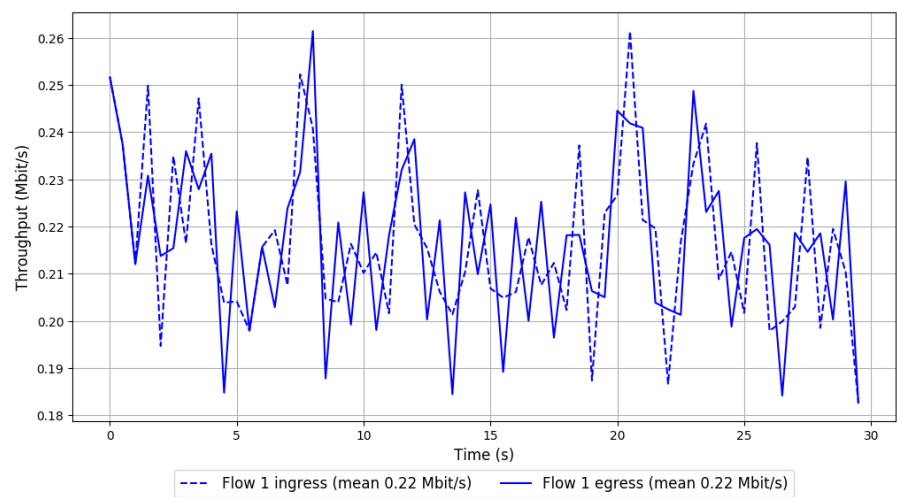
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.347 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-31 13:23:07

End at: 2018-01-31 13:23:37

Local clock offset: -0.081 ms

Remote clock offset: 0.544 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.370 ms

Loss rate: 0.13%

-- Flow 1:

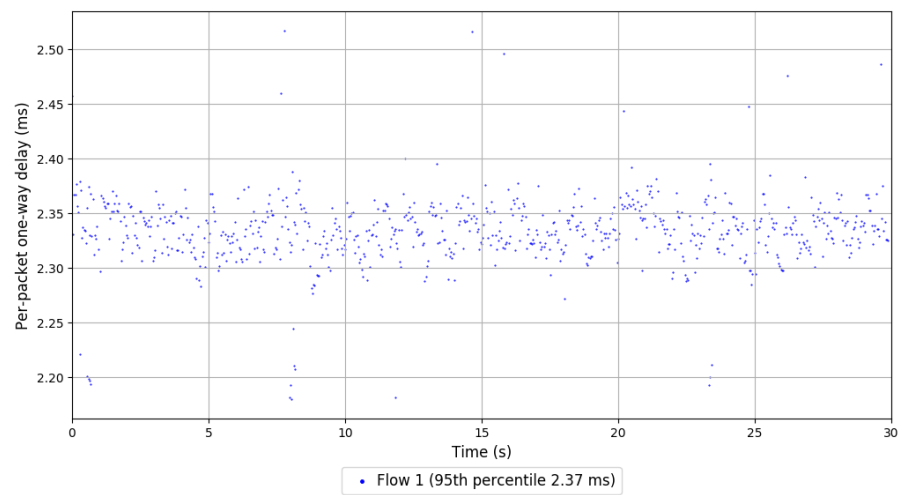
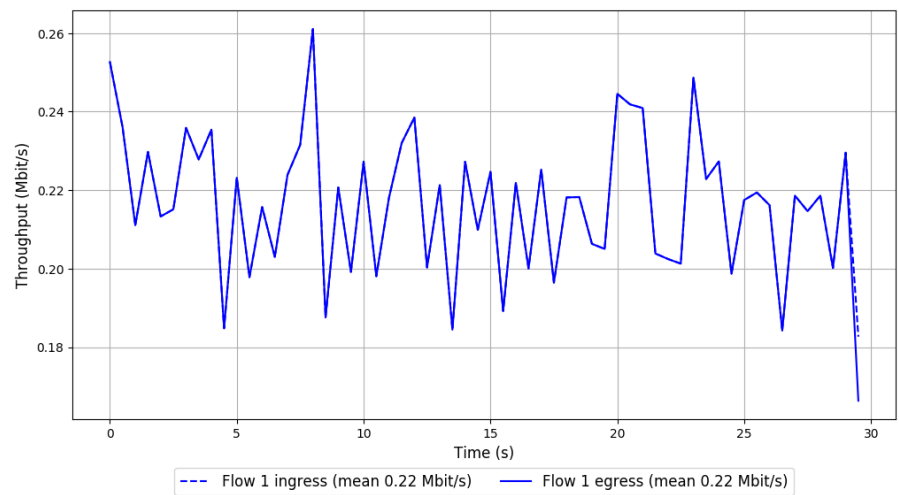
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.370 ms

Loss rate: 0.13%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-31 13:43:26

End at: 2018-01-31 13:43:56

Local clock offset: -0.003 ms

Remote clock offset: 0.662 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.00%

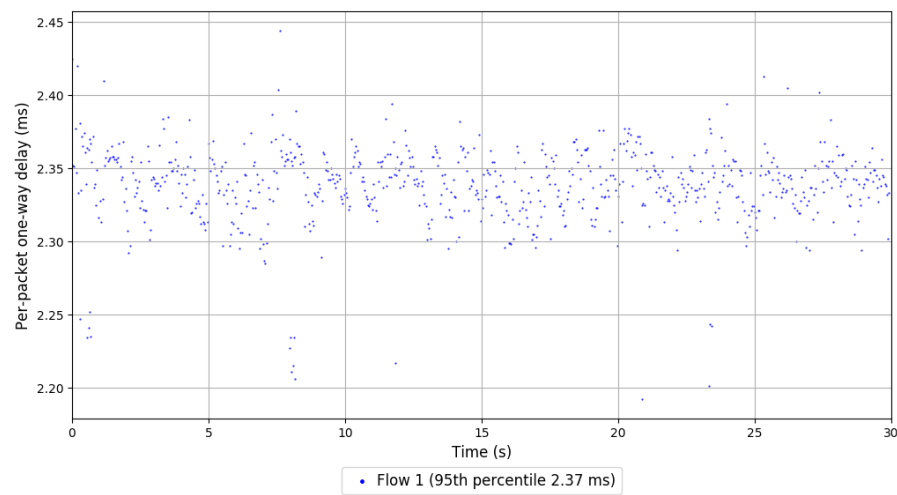
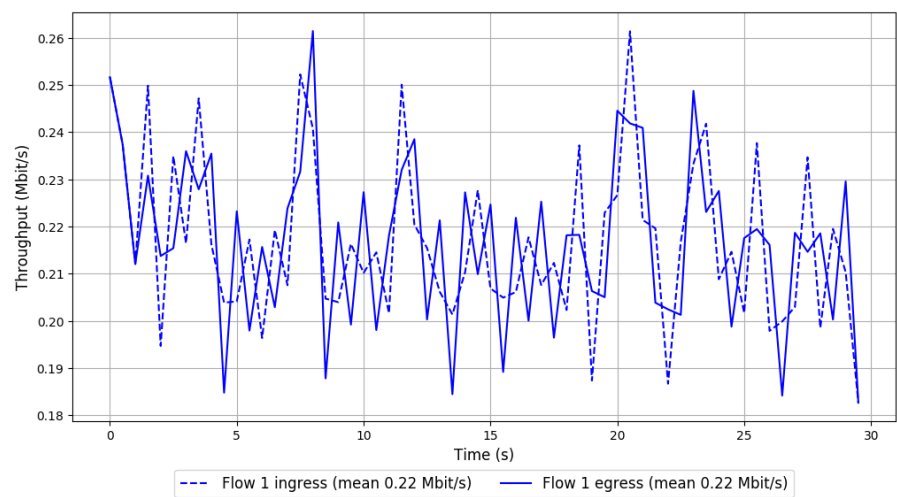
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-31 14:03:42

End at: 2018-01-31 14:04:12

Local clock offset: -0.023 ms

Remote clock offset: 0.833 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.328 ms

Loss rate: 0.00%

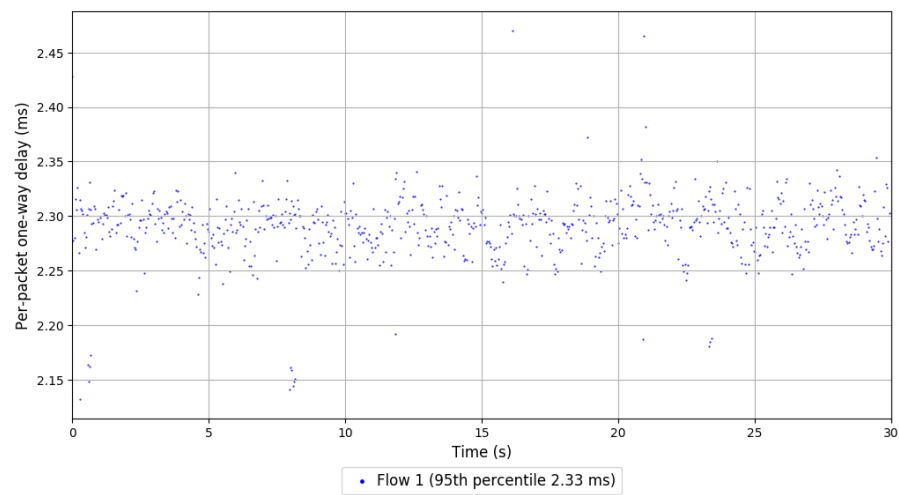
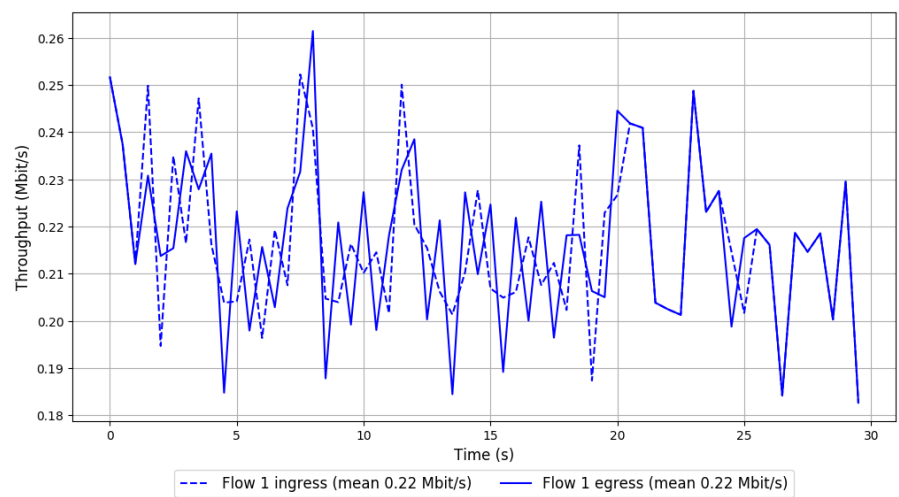
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.328 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-31 14:24:08

End at: 2018-01-31 14:24:38

Local clock offset: 0.038 ms

Remote clock offset: 0.604 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.364 ms

Loss rate: 0.00%

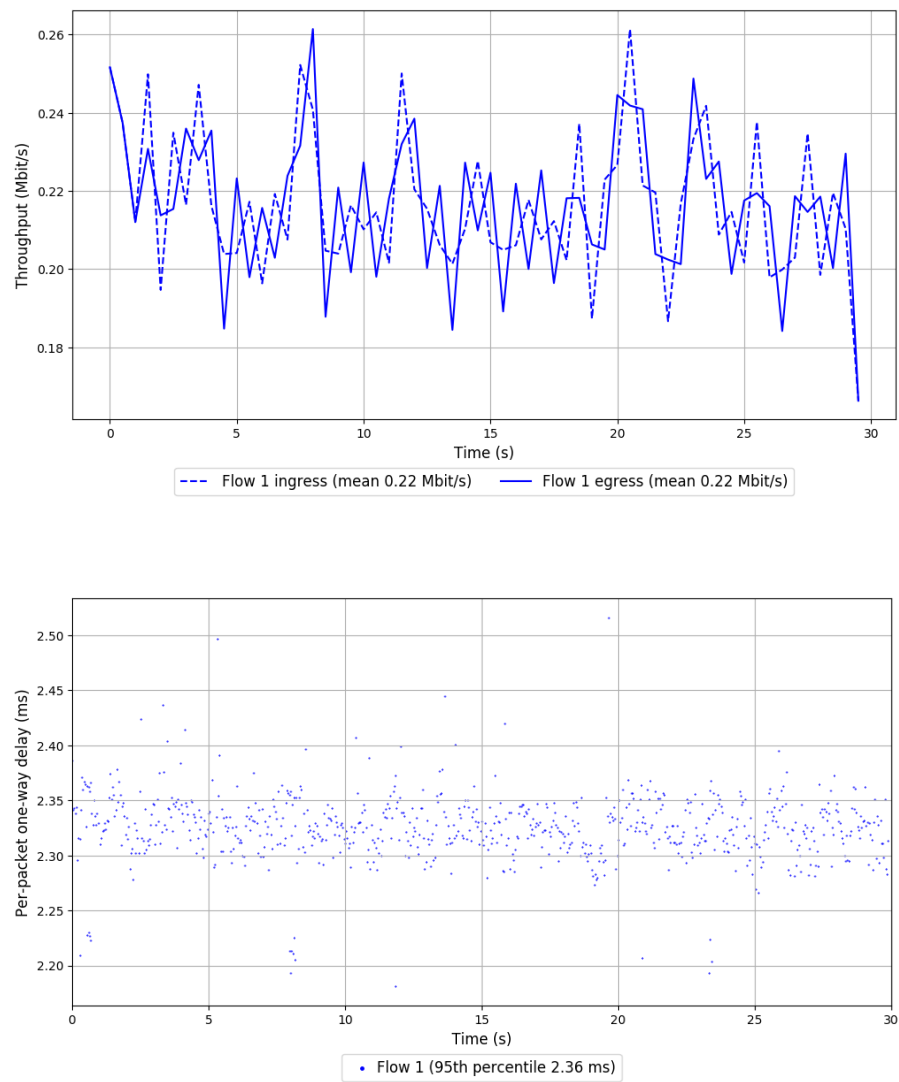
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.364 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

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

End at: 2018-01-31 14:45:01

Local clock offset: 0.102 ms

Remote clock offset: 0.408 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.377 ms

Loss rate: 0.00%

-- Flow 1:

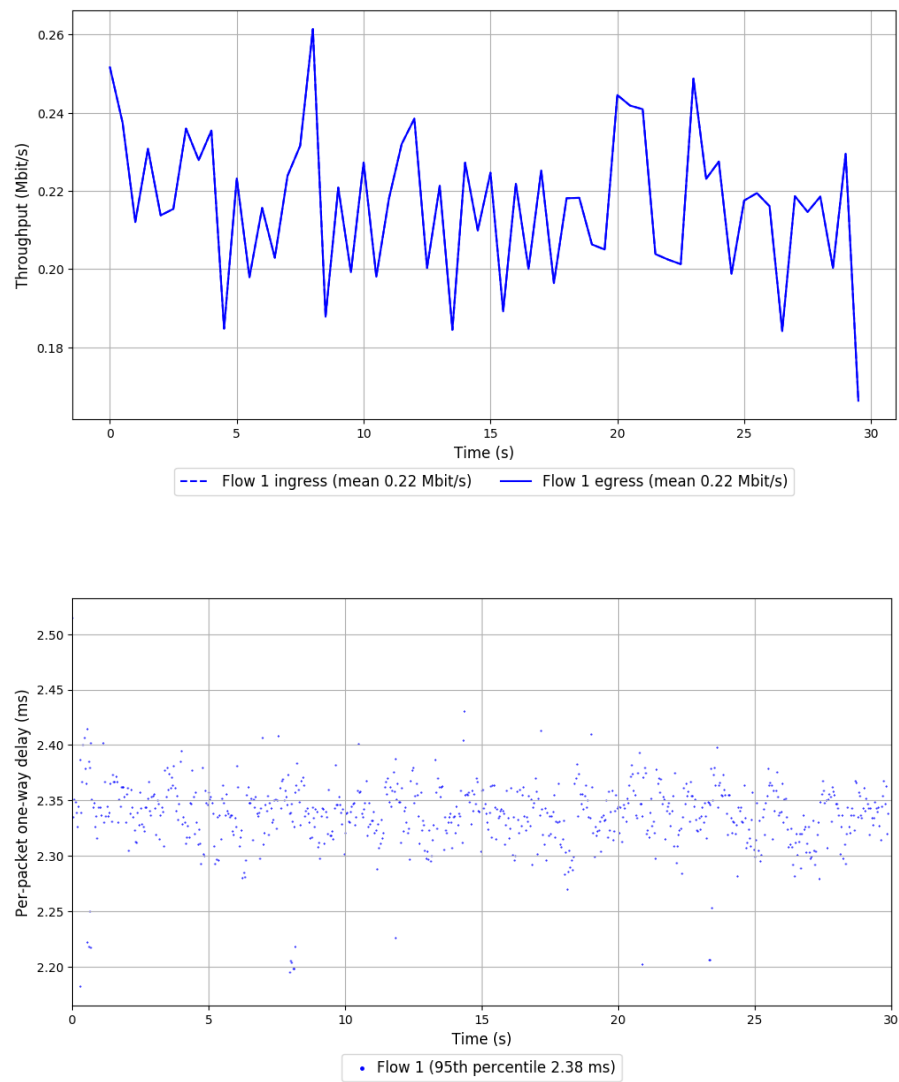
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.377 ms

Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

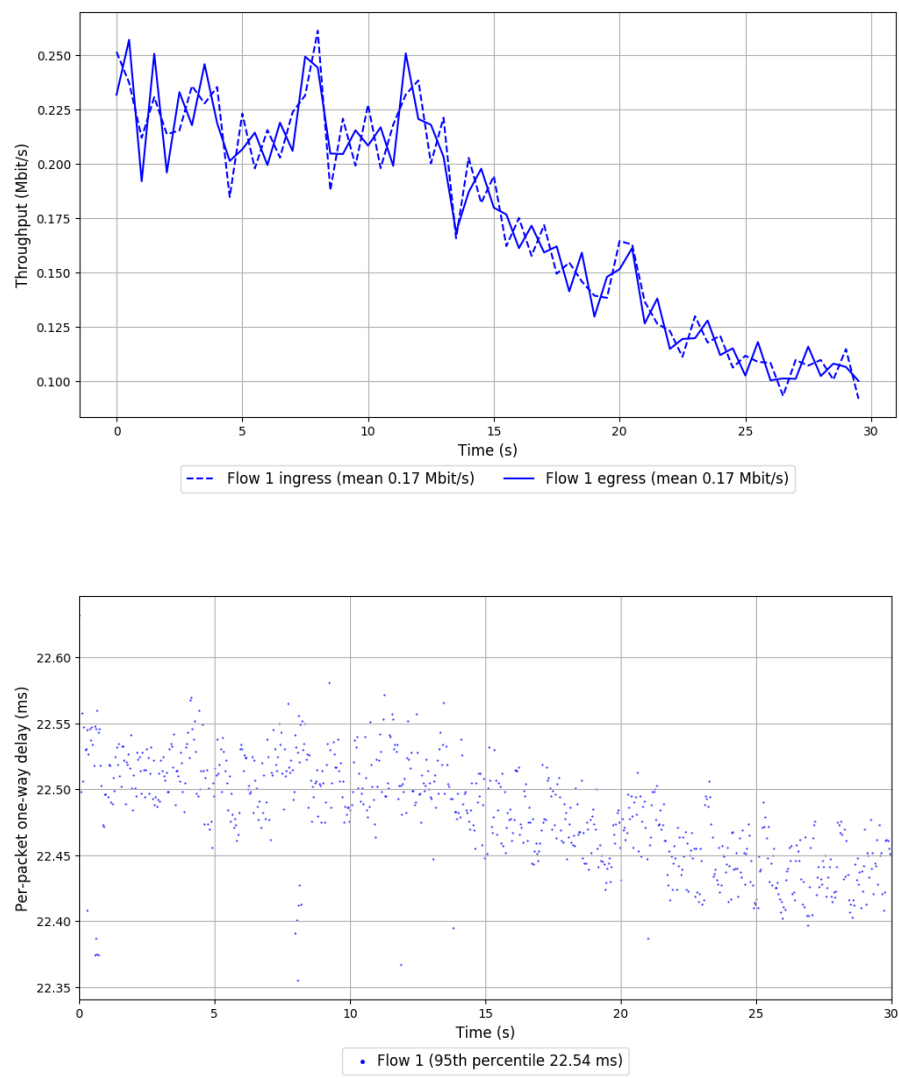


Run 8: Statistics of SCReAM

Start at: 2018-01-31 15:04:59  
End at: 2018-01-31 15:05:29  
Local clock offset: 0.172 ms  
Remote clock offset: -19.955 ms

# Below is generated by plot.py at 2018-01-31 19:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 22.541 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 22.541 ms  
Loss rate: 0.27%

Run 8: Report of SCRaM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-31 15:25:10

End at: 2018-01-31 15:25:41

Local clock offset: 0.207 ms

Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.382 ms

Loss rate: 0.00%

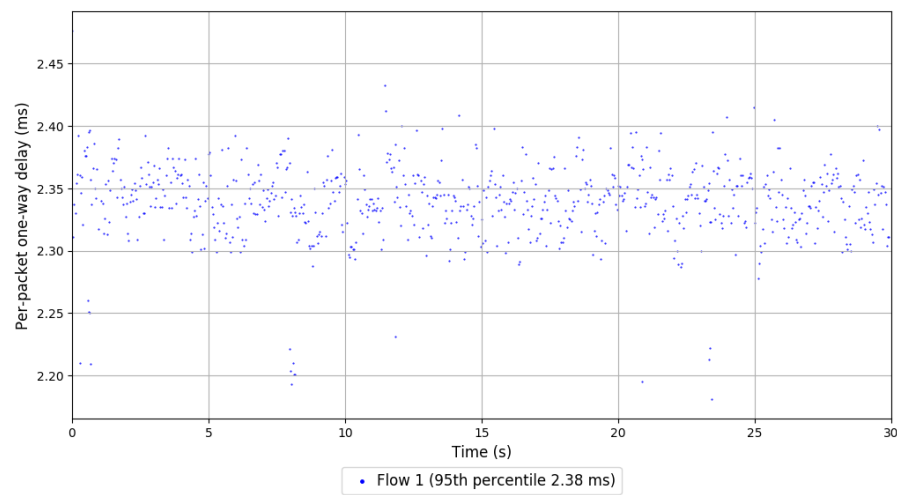
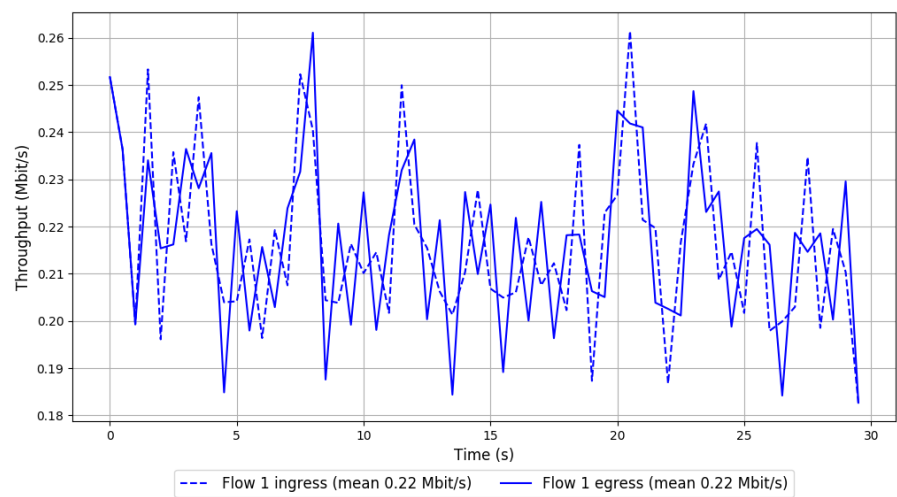
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.382 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-01-31 15:45:28

End at: 2018-01-31 15:45:58

Local clock offset: 0.157 ms

Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.381 ms

Loss rate: 0.00%

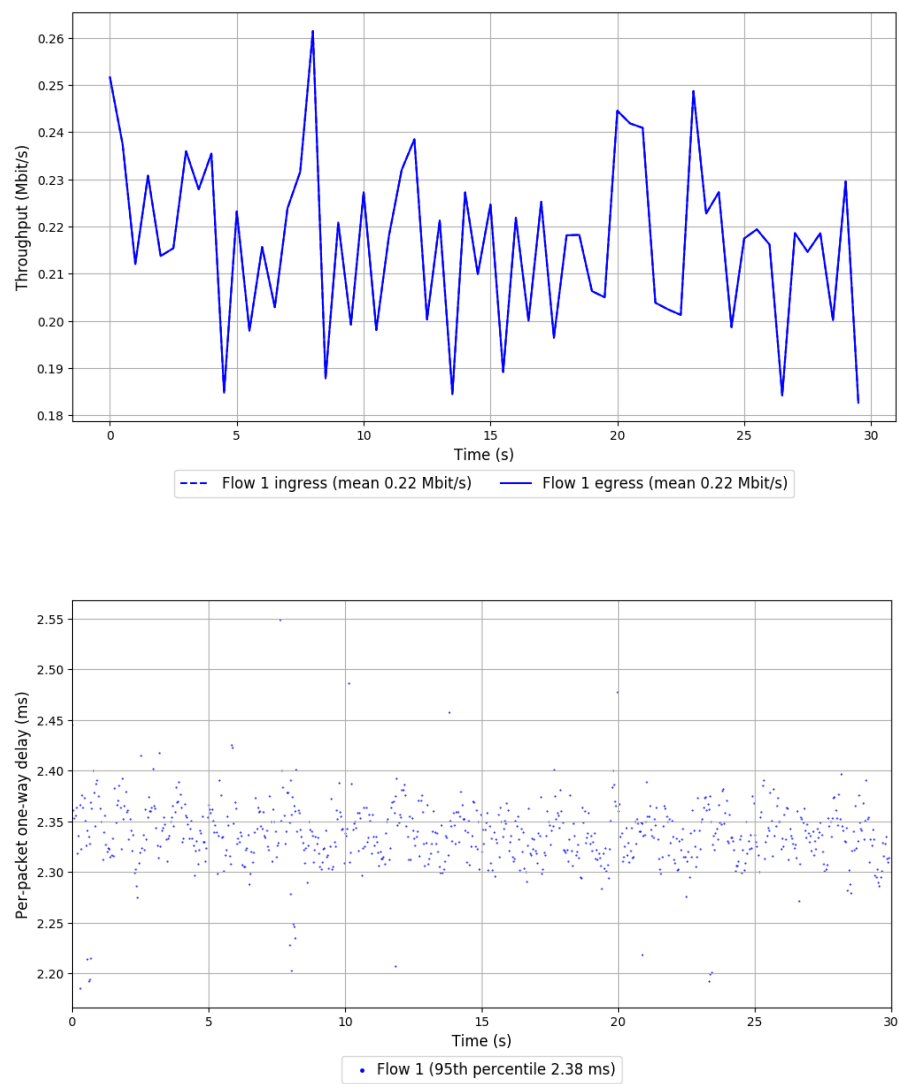
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.381 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-01-31 12:34:39

End at: 2018-01-31 12:35:09

Local clock offset: -0.396 ms

Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.704 ms

Loss rate: 0.00%

-- Flow 1:

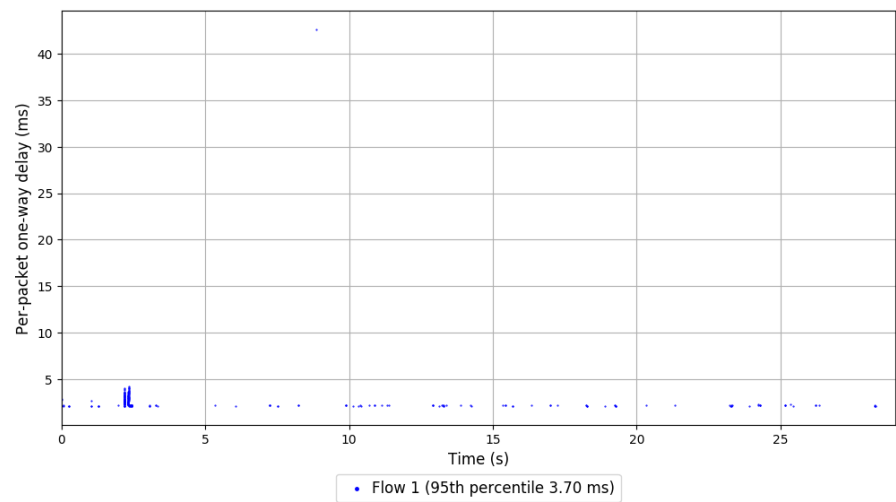
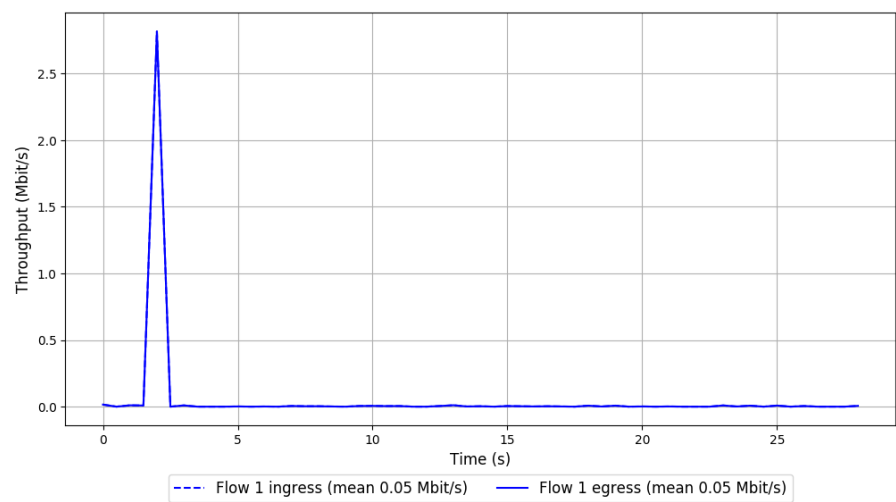
Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.704 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-31 12:55:00

End at: 2018-01-31 12:55:30

Local clock offset: -0.369 ms

Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 2.798 ms

Loss rate: 0.00%

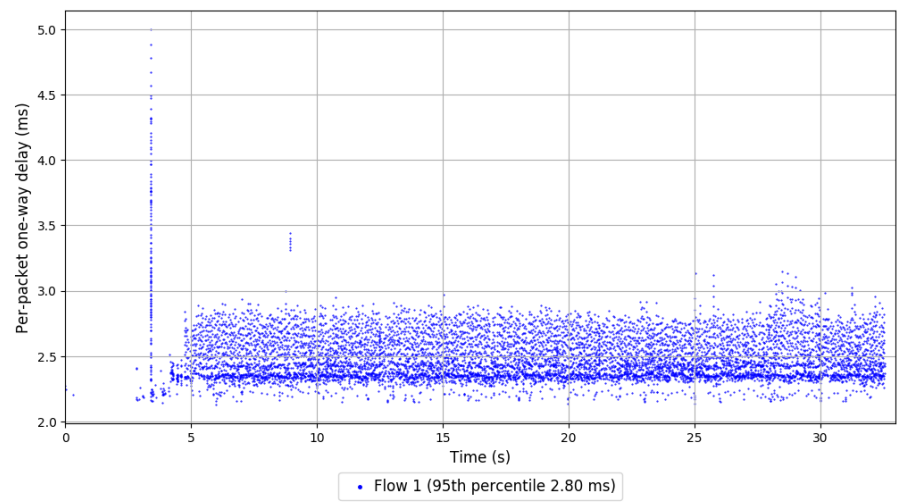
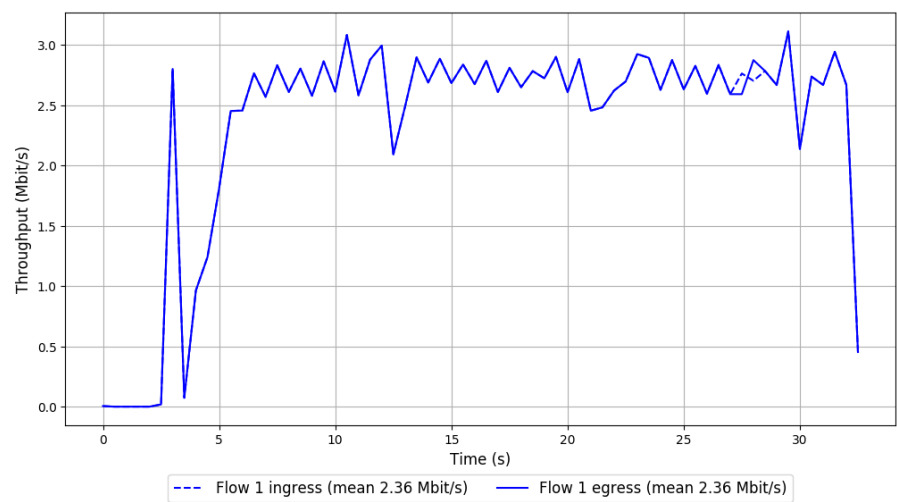
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 2.798 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-31 13:15:24

End at: 2018-01-31 13:15:54

Local clock offset: -0.123 ms

Remote clock offset: 0.481 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 2.784 ms

Loss rate: 0.10%

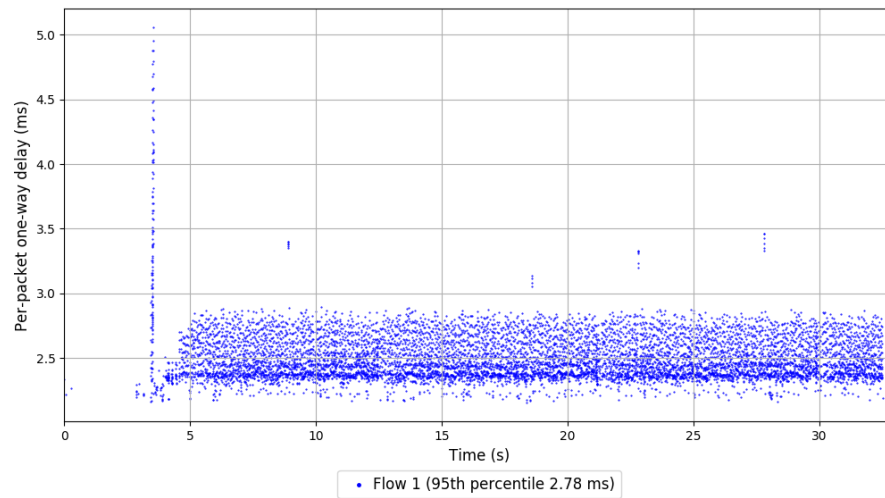
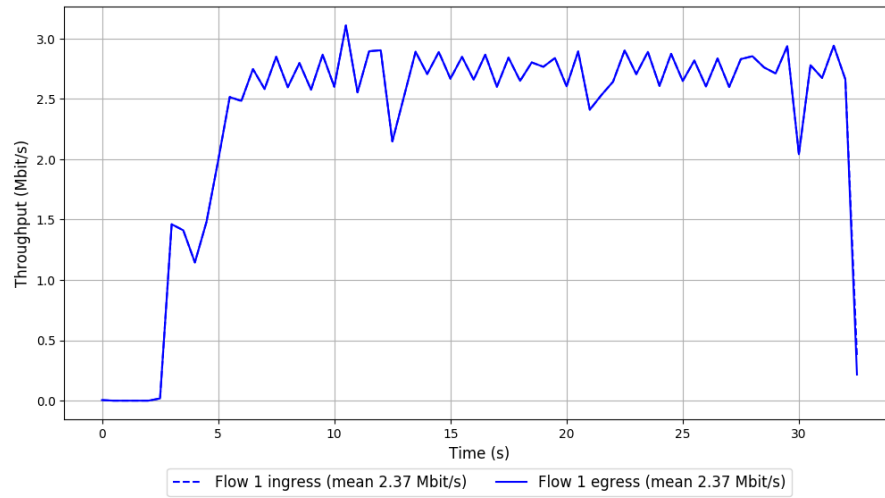
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 2.784 ms

Loss rate: 0.10%

### Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-31 13:35:30

End at: 2018-01-31 13:36:00

Local clock offset: -0.049 ms

Remote clock offset: 0.608 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.00%

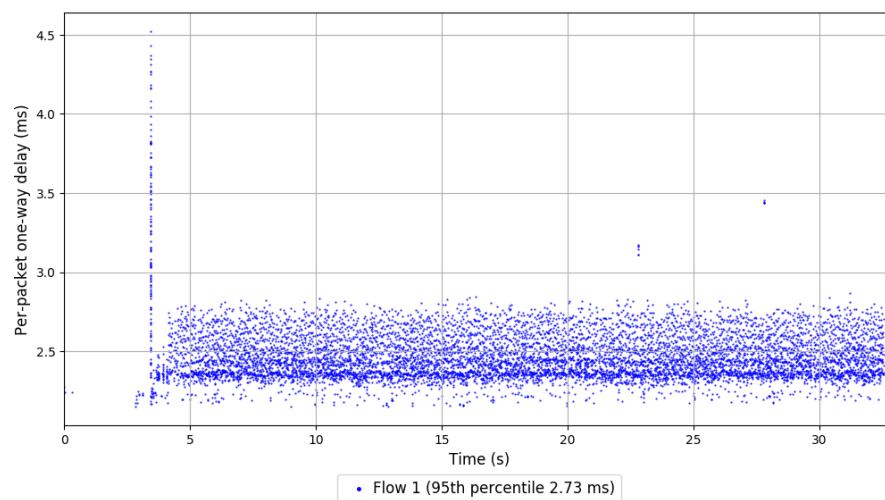
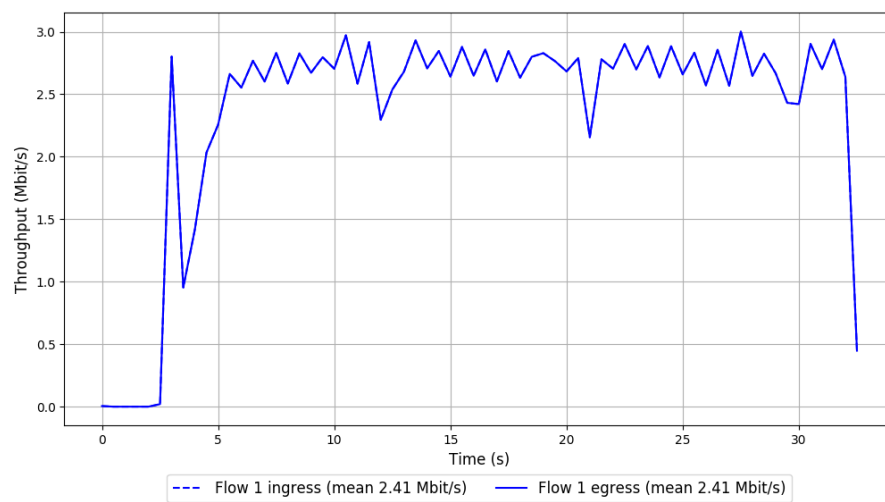
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.00%

#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-31 13:55:50

End at: 2018-01-31 13:56:20

Local clock offset: -0.03 ms

Remote clock offset: 0.755 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 2.743 ms

Loss rate: 0.00%

-- Flow 1:

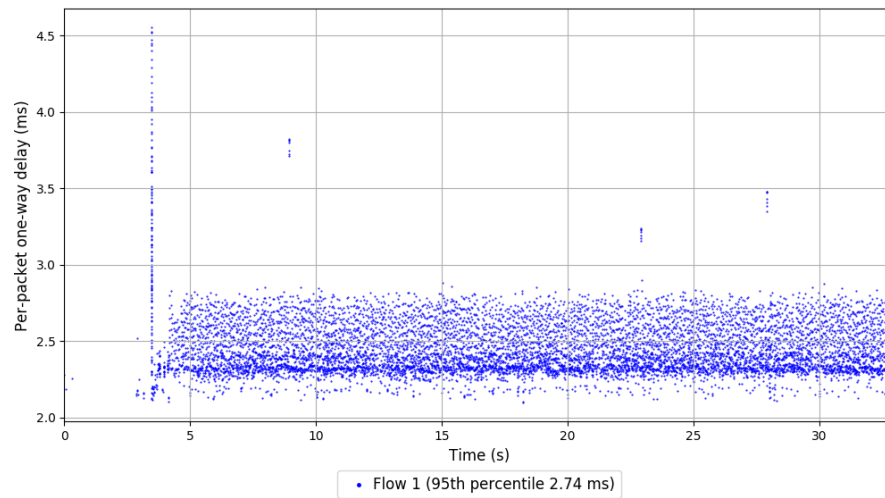
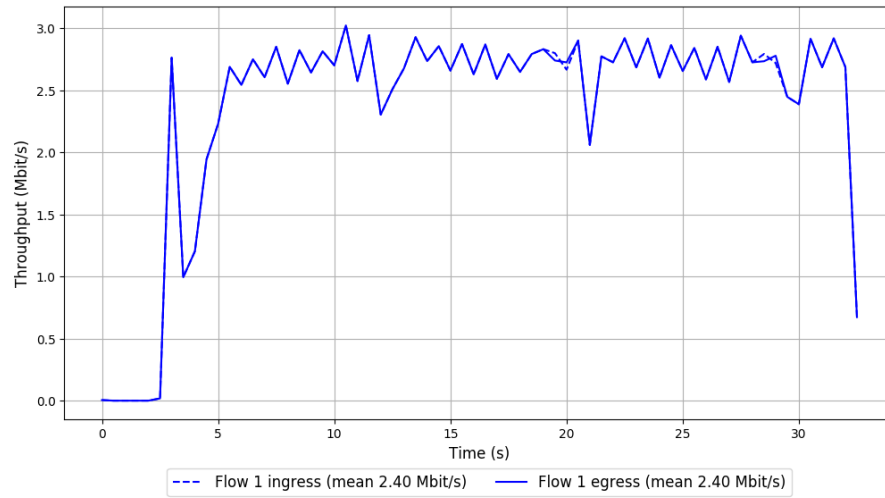
Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 2.743 ms

Loss rate: 0.00%



### Run 5: Report of WebRTC media — Data Link

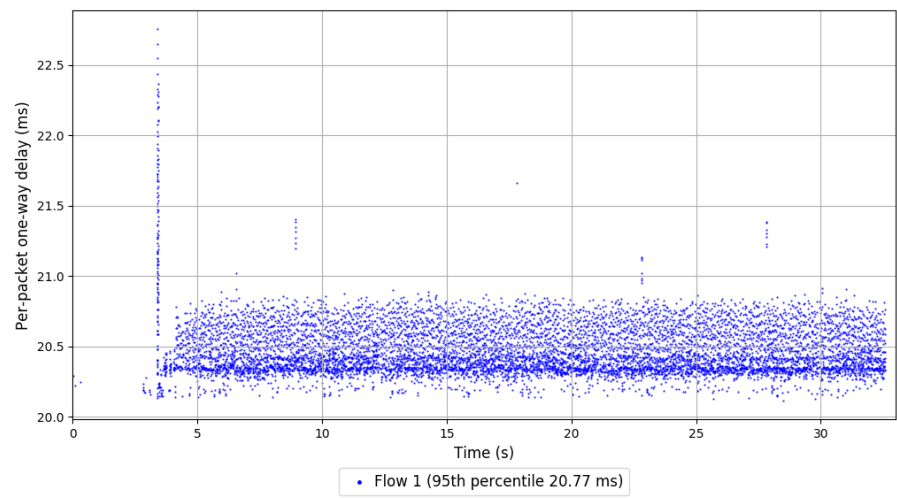
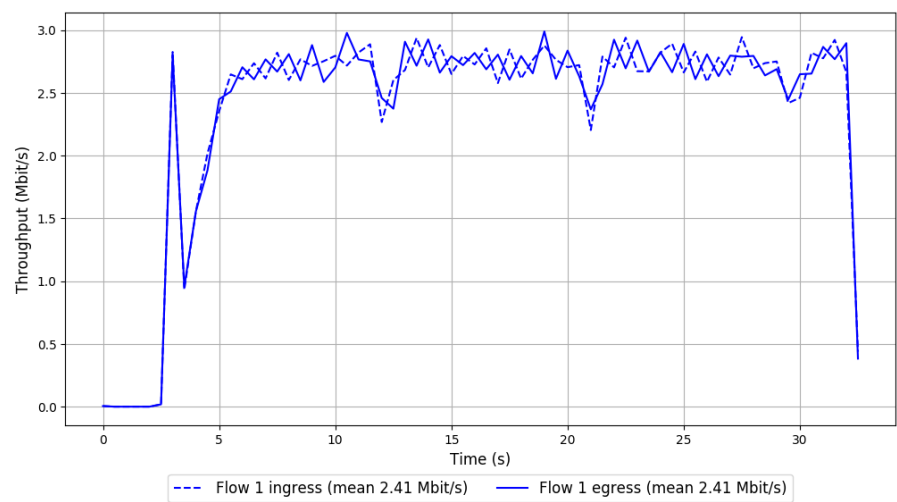


Run 6: Statistics of WebRTC media

Start at: 2018-01-31 14:16:12  
End at: 2018-01-31 14:16:42  
Local clock offset: 0.061 ms  
Remote clock offset: -17.269 ms

# Below is generated by plot.py at 2018-01-31 19:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 20.769 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 20.769 ms  
Loss rate: 0.04%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-31 14:36:36

End at: 2018-01-31 14:37:06

Local clock offset: 0.079 ms

Remote clock offset: 0.474 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.778 ms

Loss rate: 0.00%

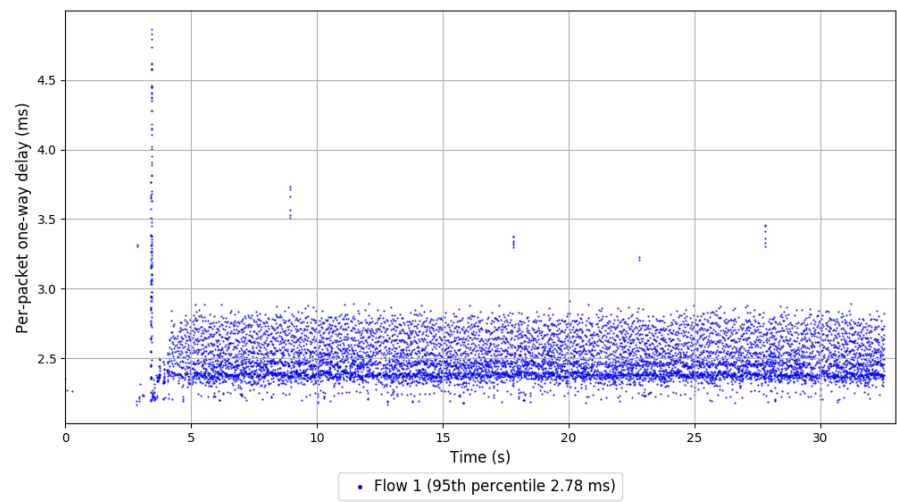
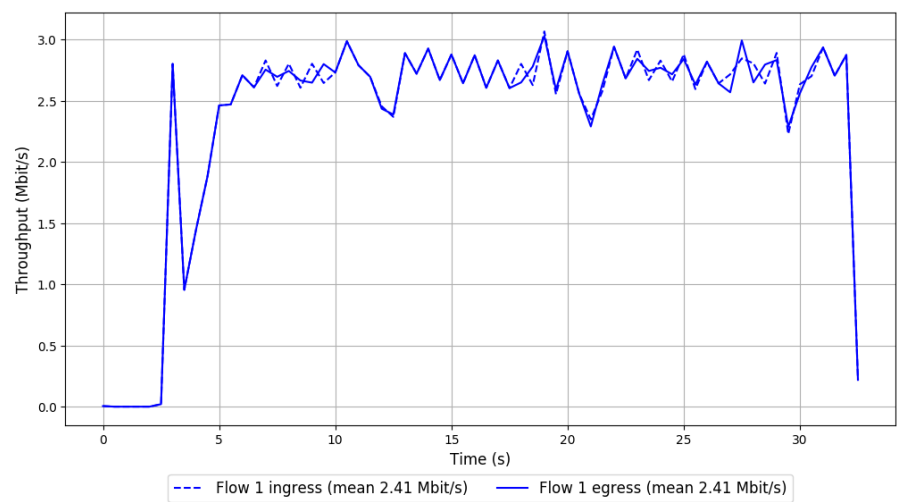
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.778 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-31 14:57:03

End at: 2018-01-31 14:57:33

Local clock offset: 0.104 ms

Remote clock offset: 0.307 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.705 ms

Loss rate: 0.00%

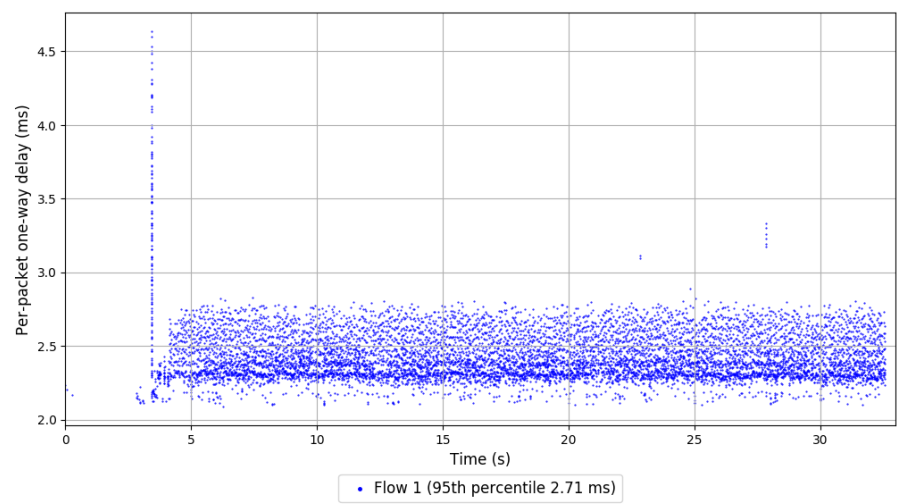
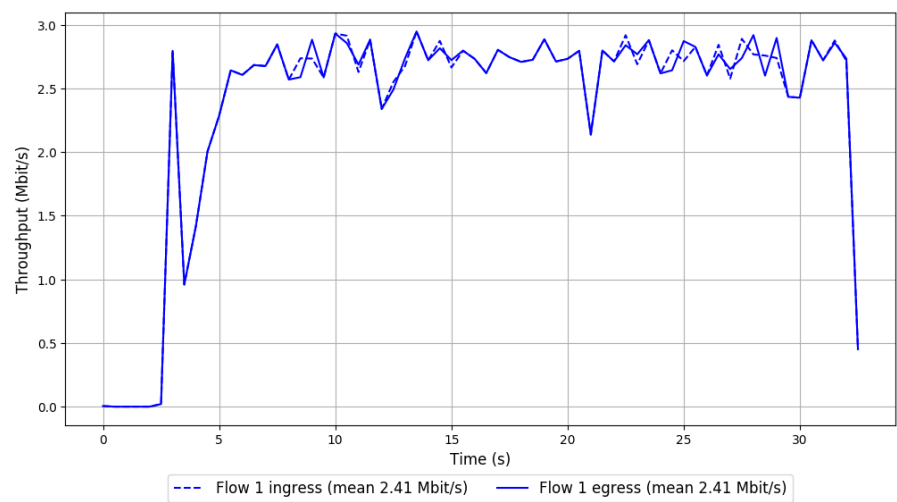
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.705 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



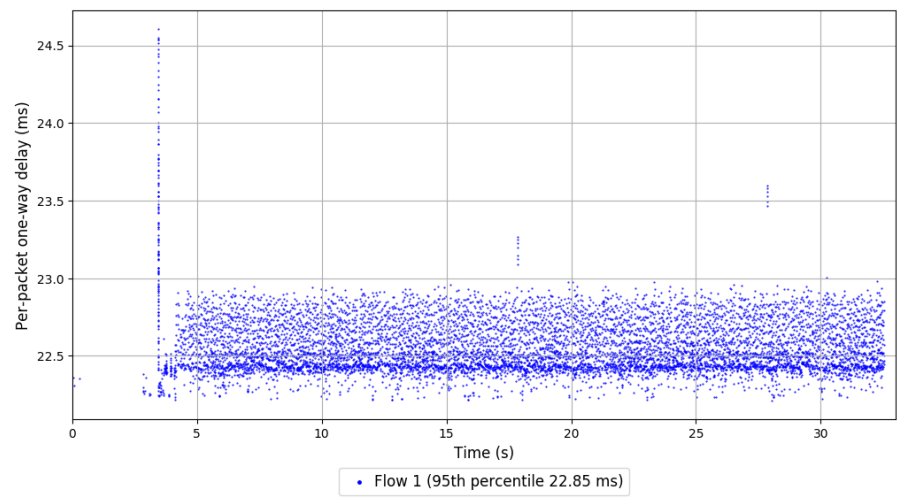
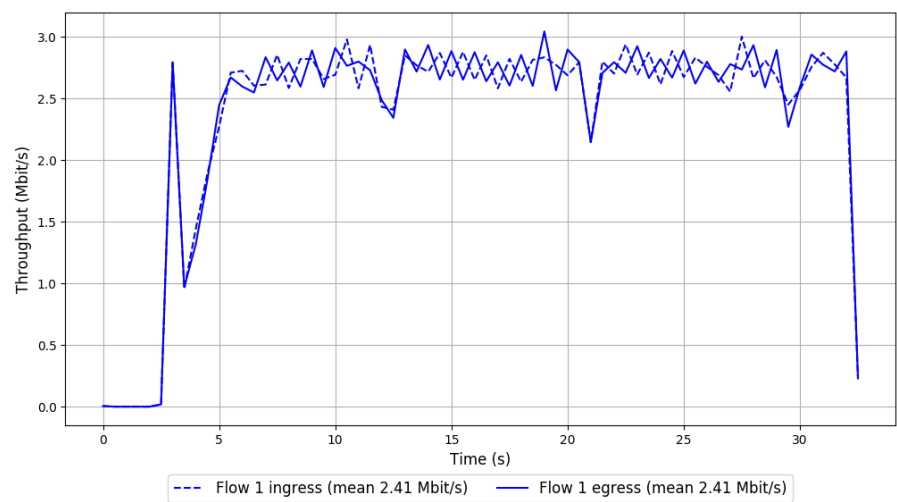
Run 9: Statistics of WebRTC media

Start at: 2018-01-31 15:17:22  
End at: 2018-01-31 15:17:52  
Local clock offset: 0.212 ms  
Remote clock offset: -19.933 ms

# Below is generated by plot.py at 2018-01-31 19:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 22.851 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 22.851 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-31 15:37:38

End at: 2018-01-31 15:38:08

Local clock offset: 0.192 ms

Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.784 ms

Loss rate: 0.00%

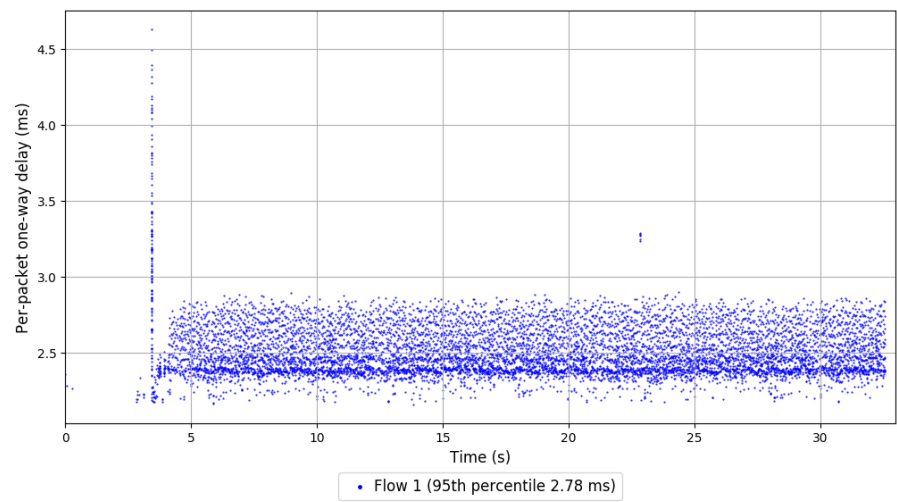
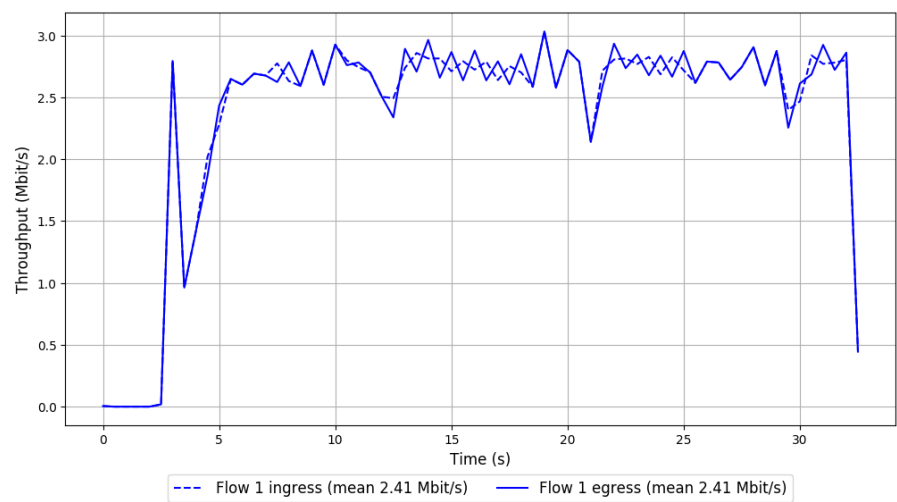
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.784 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

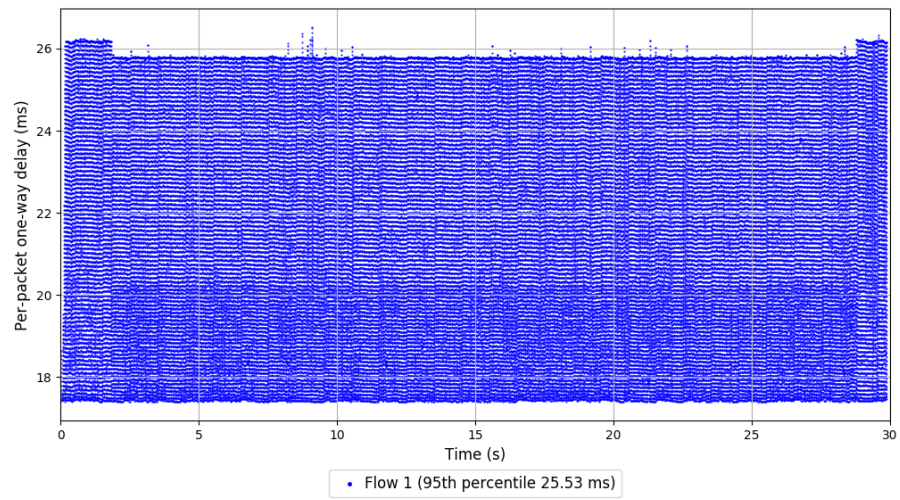
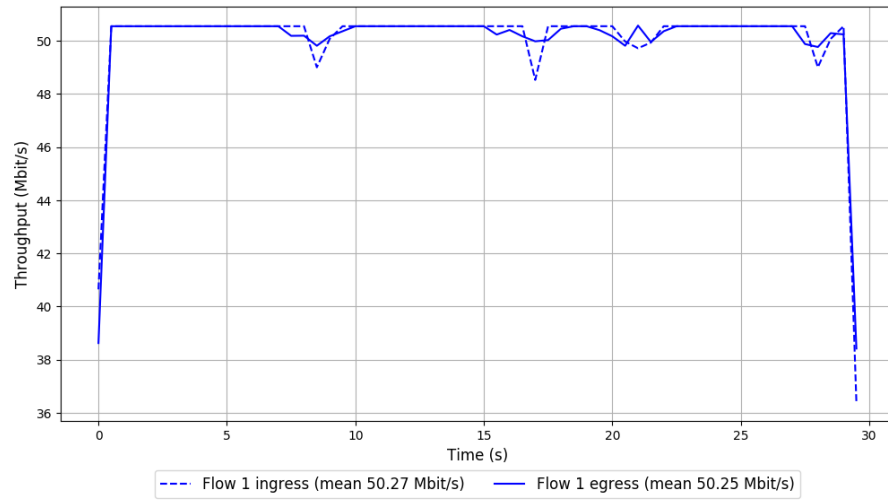


Run 1: Statistics of Sprout

Start at: 2018-01-31 12:43:39  
End at: 2018-01-31 12:44:09  
Local clock offset: -0.436 ms  
Remote clock offset: -14.999 ms

# Below is generated by plot.py at 2018-01-31 19:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.25 Mbit/s  
95th percentile per-packet one-way delay: 25.529 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.25 Mbit/s  
95th percentile per-packet one-way delay: 25.529 ms  
Loss rate: 0.00%

### Run 1: Report of Sprout — Data Link

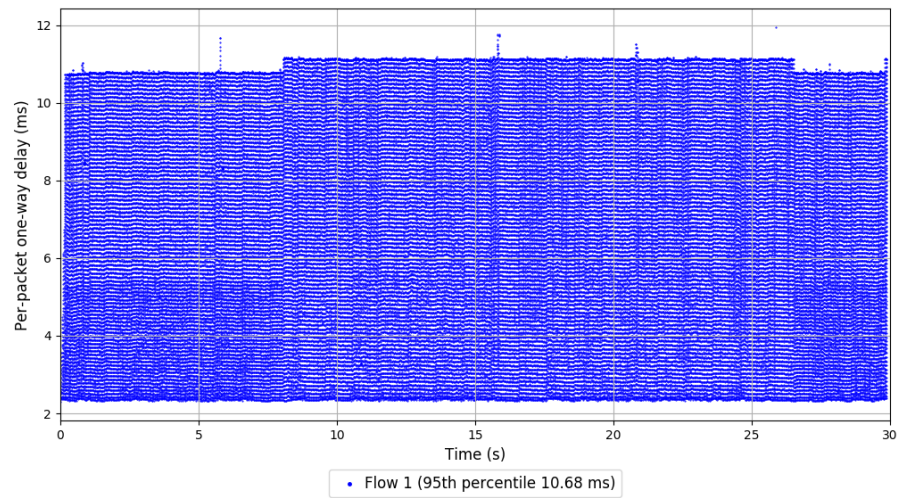
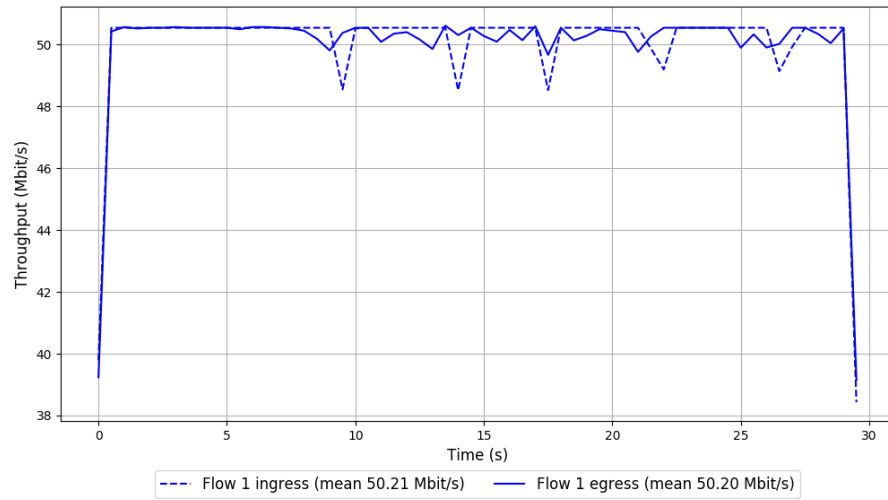


Run 2: Statistics of Sprout

Start at: 2018-01-31 13:04:00  
End at: 2018-01-31 13:04:30  
Local clock offset: -0.267 ms  
Remote clock offset: 0.352 ms

# Below is generated by plot.py at 2018-01-31 19:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.20 Mbit/s  
95th percentile per-packet one-way delay: 10.683 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.20 Mbit/s  
95th percentile per-packet one-way delay: 10.683 ms  
Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link



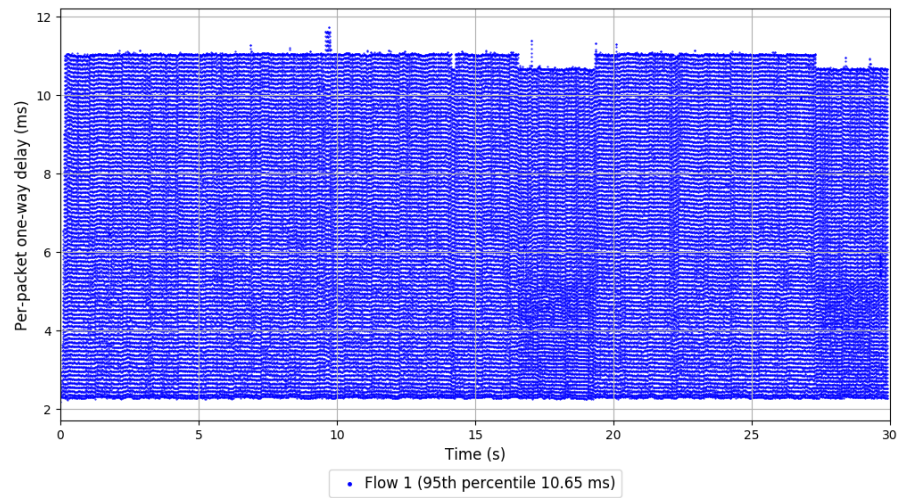
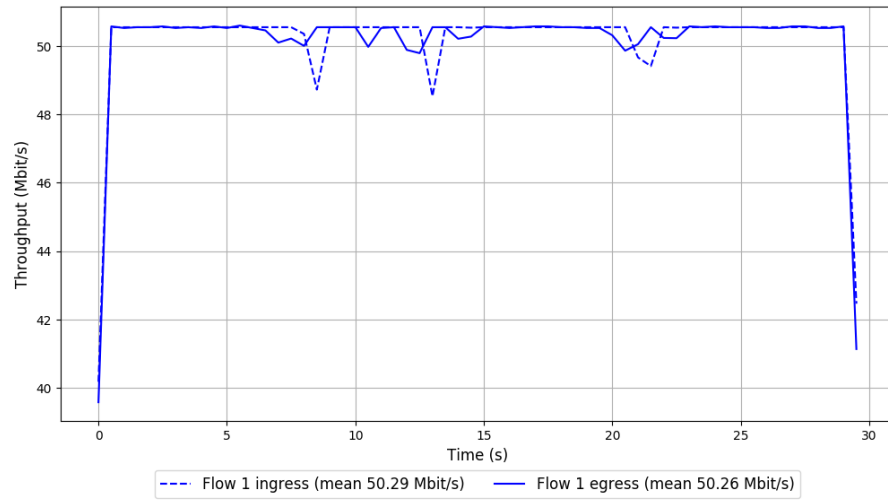
Run 3: Statistics of Sprout

Start at: 2018-01-31 13:24:11  
End at: 2018-01-31 13:24:41  
Local clock offset: -0.165 ms  
Remote clock offset: 0.539 ms

# Below is generated by plot.py at 2018-01-31 19:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.26 Mbit/s  
95th percentile per-packet one-way delay: 10.653 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 50.26 Mbit/s  
95th percentile per-packet one-way delay: 10.653 ms  
Loss rate: 0.06%



### Run 3: Report of Sprout — Data Link

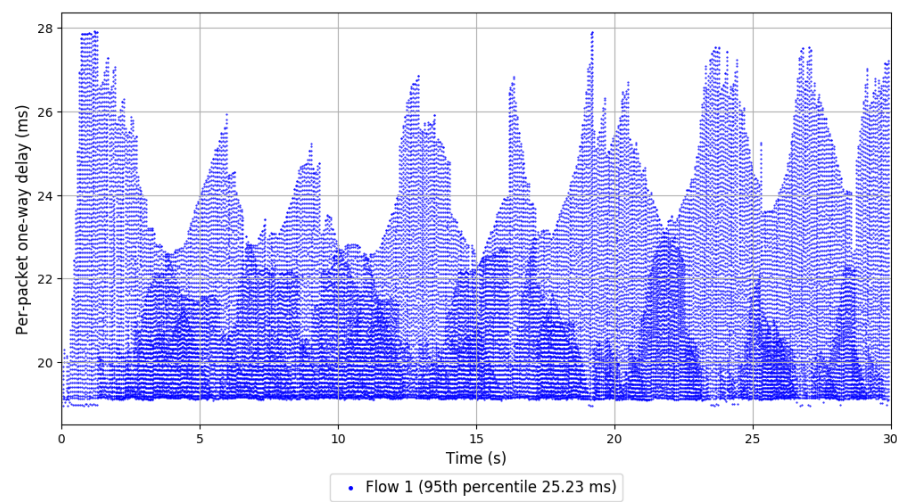
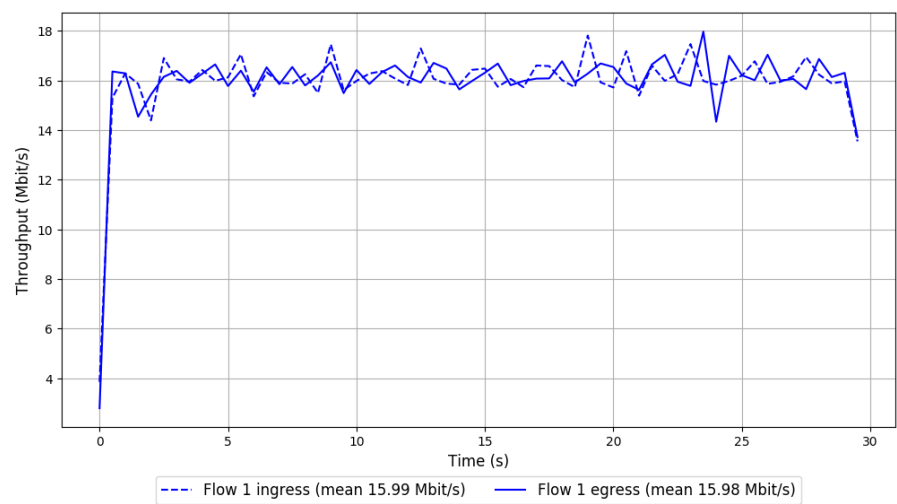


Run 4: Statistics of Sprout

Start at: 2018-01-31 13:44:30  
End at: 2018-01-31 13:45:00  
Local clock offset: -0.02 ms  
Remote clock offset: -16.116 ms

# Below is generated by plot.py at 2018-01-31 19:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.98 Mbit/s  
95th percentile per-packet one-way delay: 25.229 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 15.98 Mbit/s  
95th percentile per-packet one-way delay: 25.229 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-31 14:04:45

End at: 2018-01-31 14:05:15

Local clock offset: 0.026 ms

Remote clock offset: 0.845 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 10.805 ms

Loss rate: 0.05%

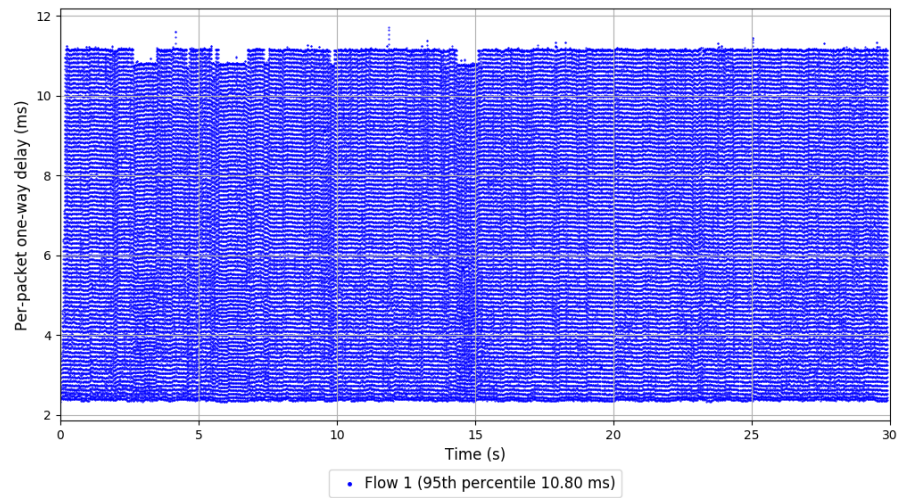
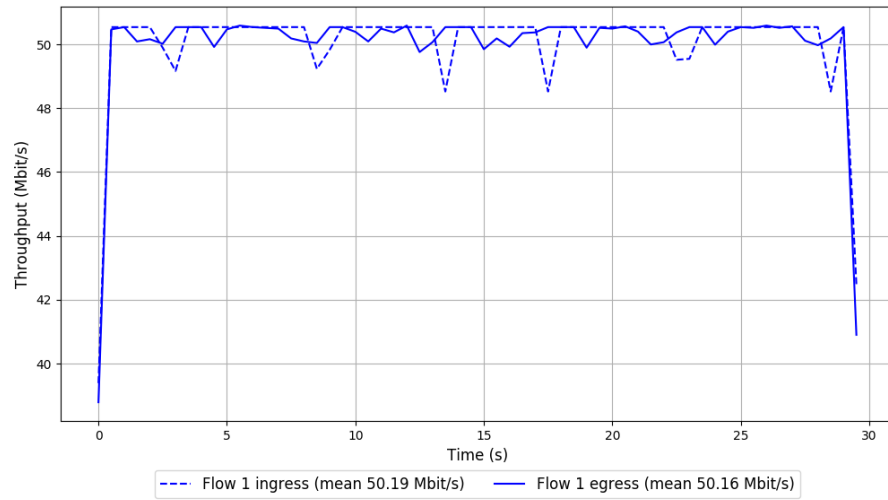
-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 10.805 ms

Loss rate: 0.05%

### Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-31 14:25:12

End at: 2018-01-31 14:25:42

Local clock offset: 0.032 ms

Remote clock offset: 0.604 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 10.797 ms

Loss rate: 0.07%

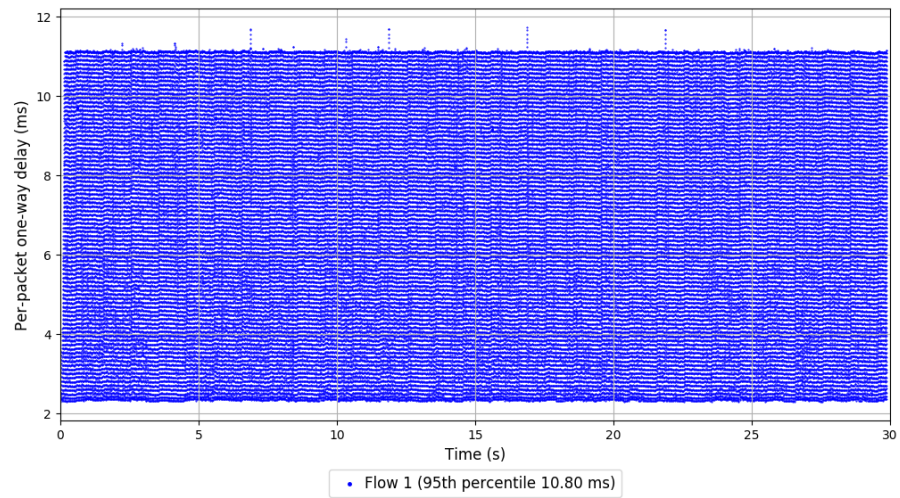
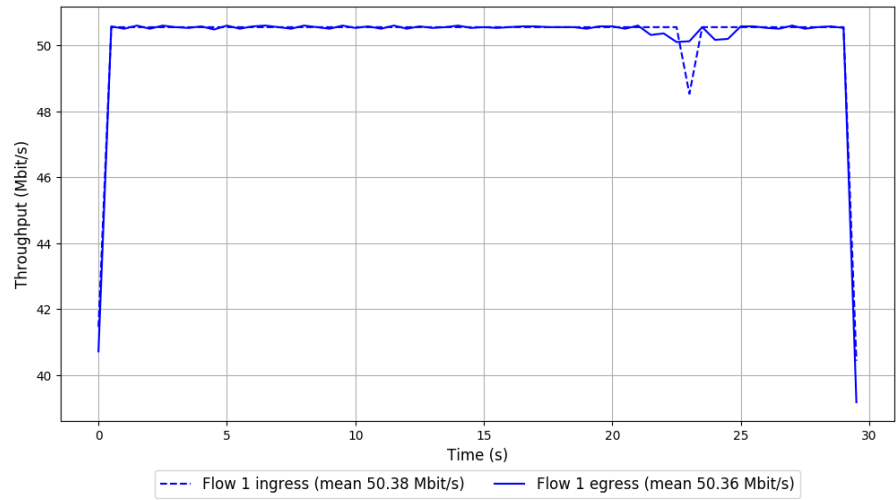
-- Flow 1:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 10.797 ms

Loss rate: 0.07%

## Run 6: Report of Sprout — Data Link



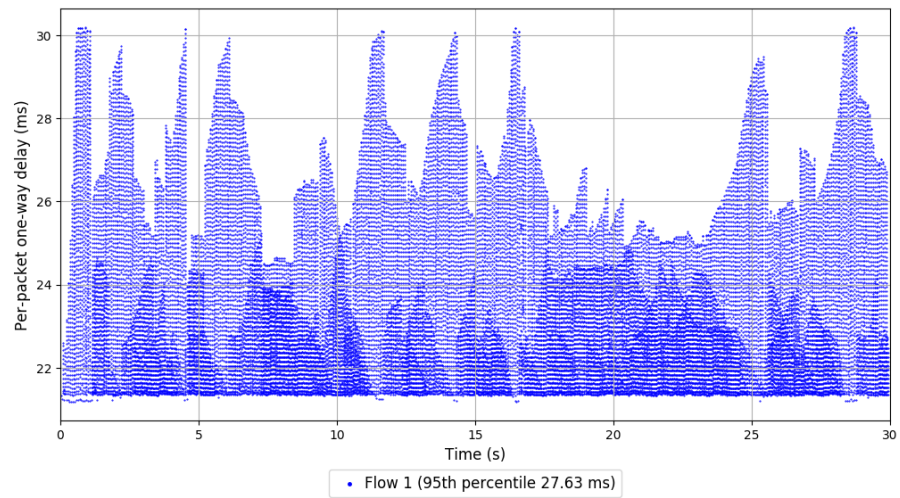
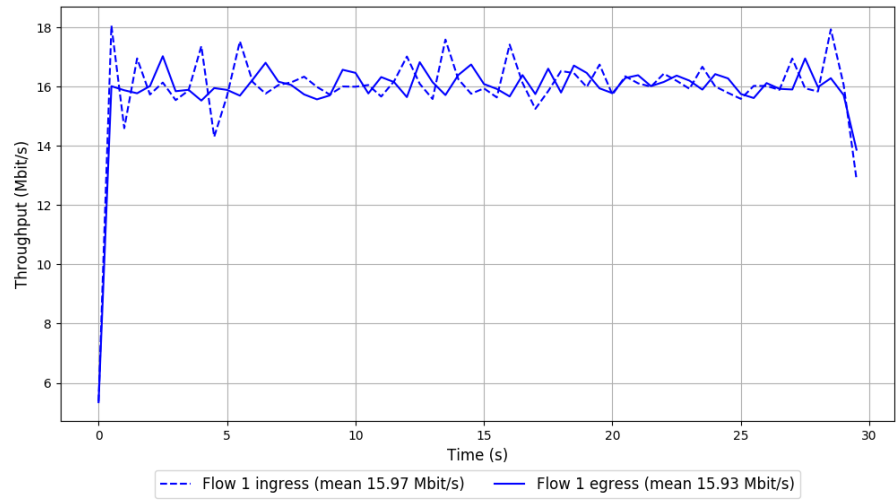
Run 7: Statistics of Sprout

Start at: 2018-01-31 14:45:35  
End at: 2018-01-31 14:46:05  
Local clock offset: 0.093 ms  
Remote clock offset: -18.616 ms

# Below is generated by plot.py at 2018-01-31 19:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.93 Mbit/s  
95th percentile per-packet one-way delay: 27.629 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 15.93 Mbit/s  
95th percentile per-packet one-way delay: 27.629 ms  
Loss rate: 0.28%



## Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-31 15:06:02

End at: 2018-01-31 15:06:33

Local clock offset: 0.17 ms

Remote clock offset: 0.215 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 10.719 ms

Loss rate: 0.05%

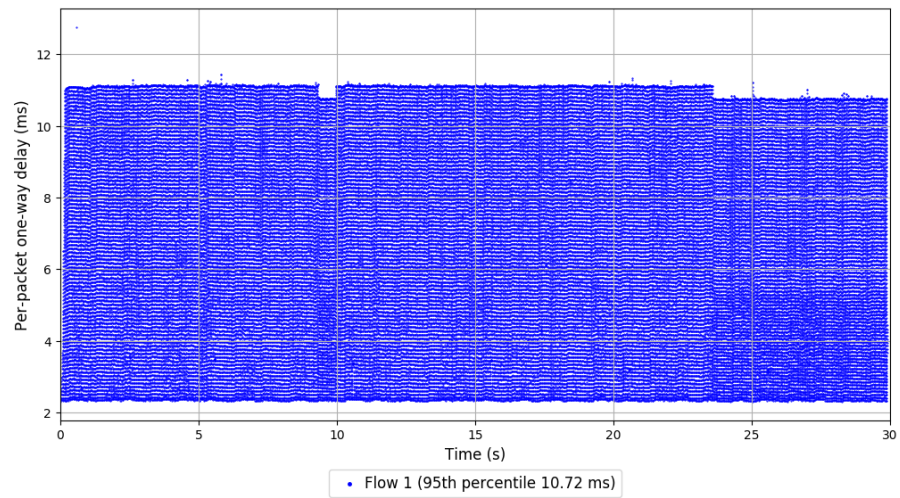
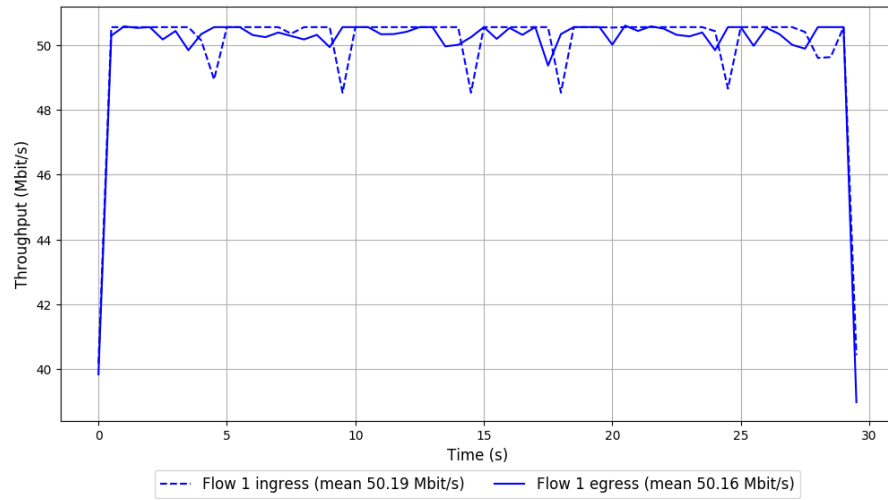
-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 10.719 ms

Loss rate: 0.05%

## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-31 15:26:14

End at: 2018-01-31 15:26:44

Local clock offset: 0.19 ms

Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2018-01-31 19:30:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 10.715 ms

Loss rate: 0.07%

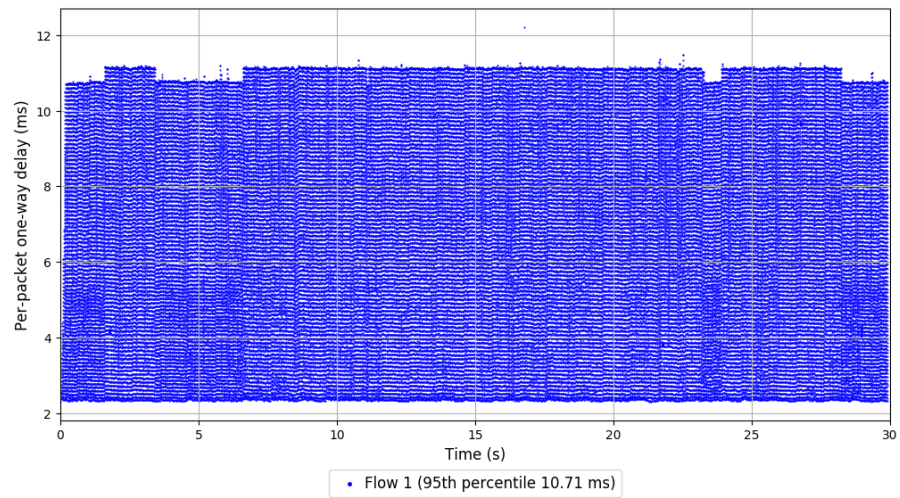
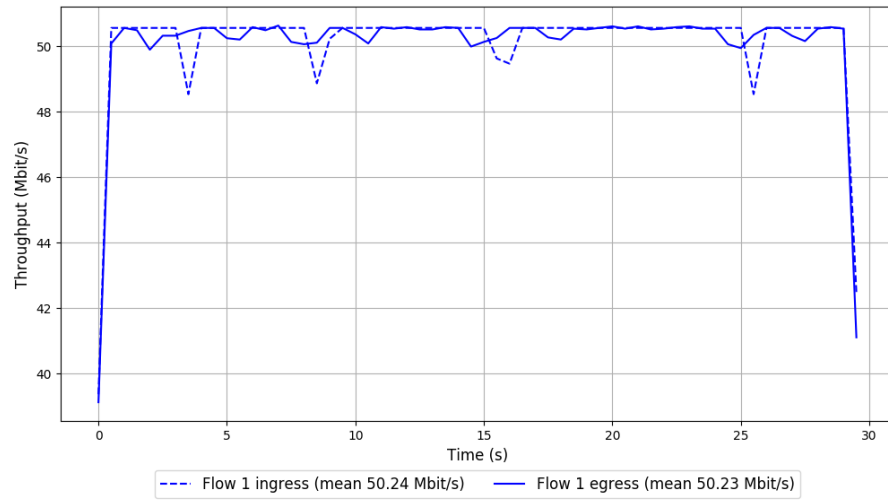
-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 10.715 ms

Loss rate: 0.07%

### Run 9: Report of Sprout — Data Link

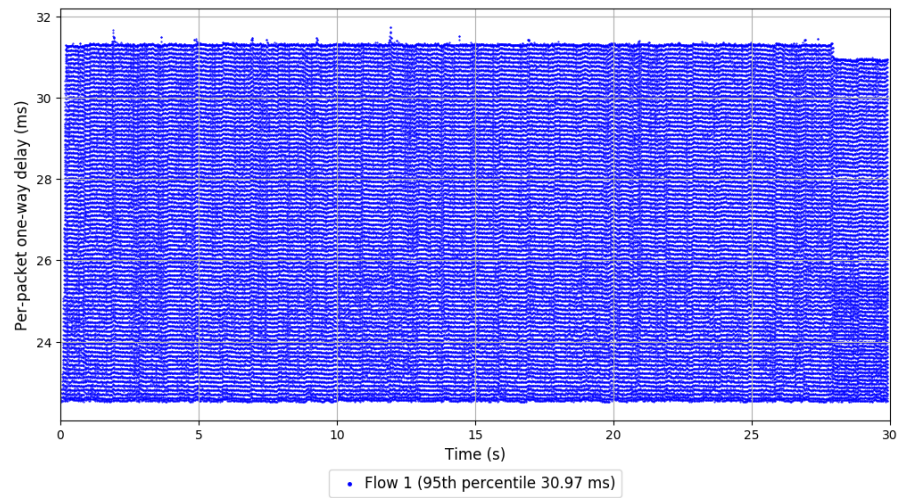
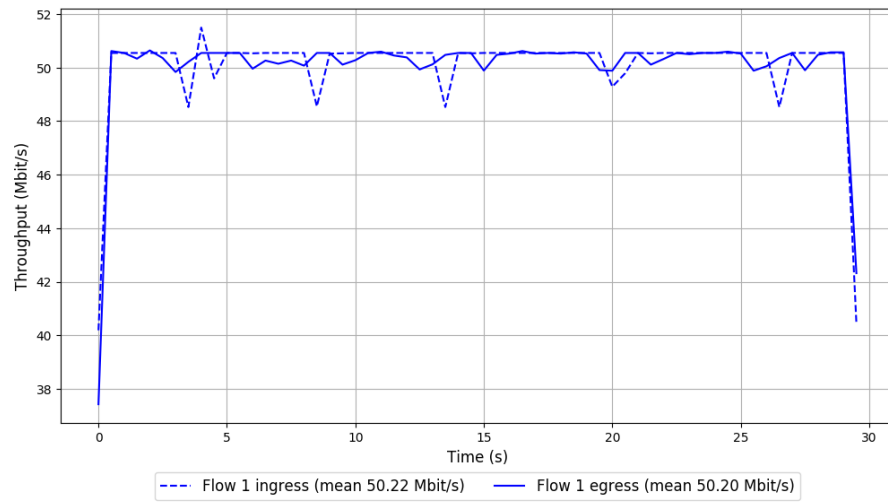


Run 10: Statistics of Sprout

Start at: 2018-01-31 15:46:32  
End at: 2018-01-31 15:47:02  
Local clock offset: 0.089 ms  
Remote clock offset: -20.291 ms

# Below is generated by plot.py at 2018-01-31 19:30:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.20 Mbit/s  
95th percentile per-packet one-way delay: 30.974 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 50.20 Mbit/s  
95th percentile per-packet one-way delay: 30.974 ms  
Loss rate: 0.03%

# Run 10: Report of Sprout — Data Link



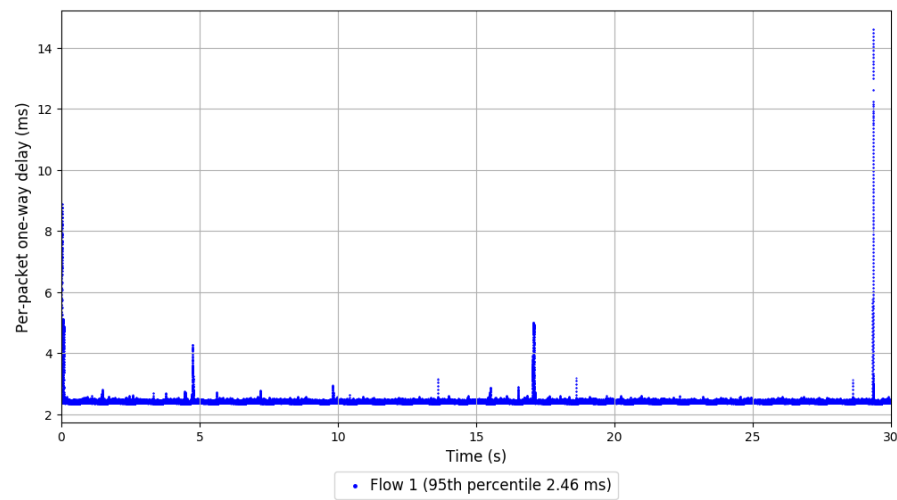
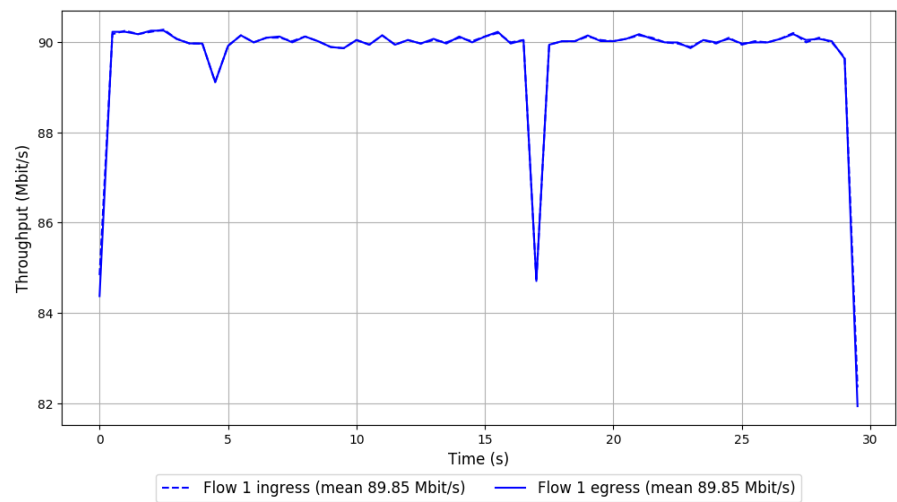
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-31 12:37:59
End at: 2018-01-31 12:38:29
Local clock offset: -0.332 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-01-31 19:32:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 2.456 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 2.456 ms
Loss rate: 0.02%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-31 12:58:20

End at: 2018-01-31 12:58:50

Local clock offset: -0.329 ms

Remote clock offset: 0.296 ms

# Below is generated by plot.py at 2018-01-31 19:32:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.71 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.02%

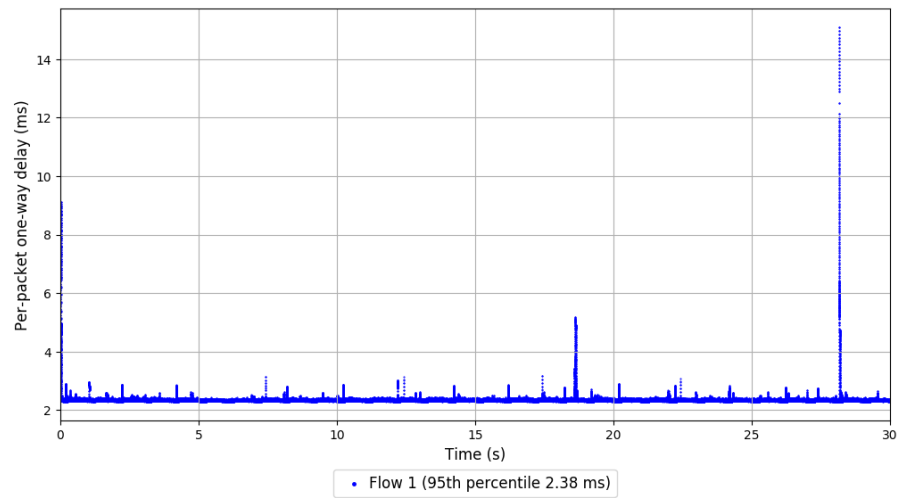
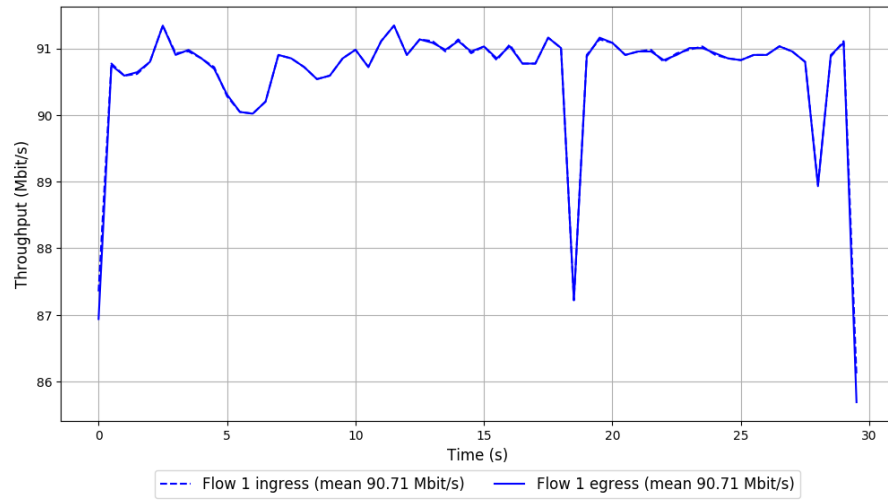
-- Flow 1:

Average throughput: 90.71 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.02%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-31 13:18:39

End at: 2018-01-31 13:19:09

Local clock offset: -0.188 ms

Remote clock offset: 0.437 ms

# Below is generated by plot.py at 2018-01-31 19:32:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 2.367 ms

Loss rate: 0.02%

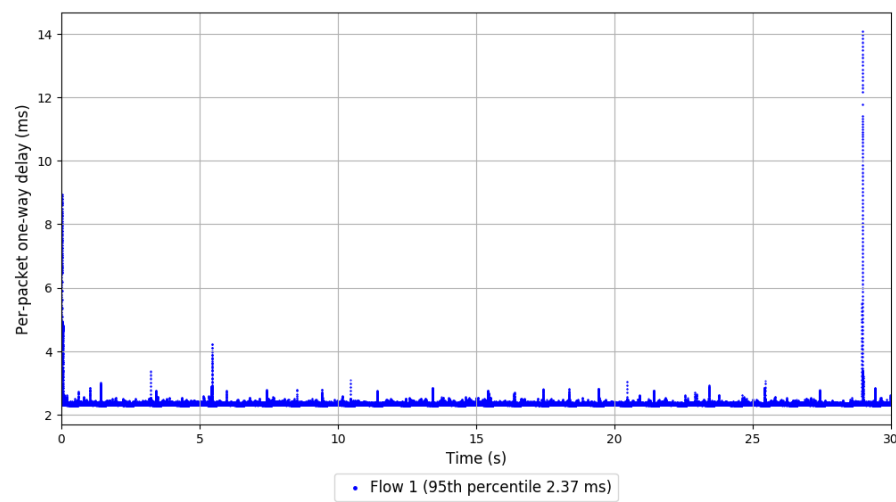
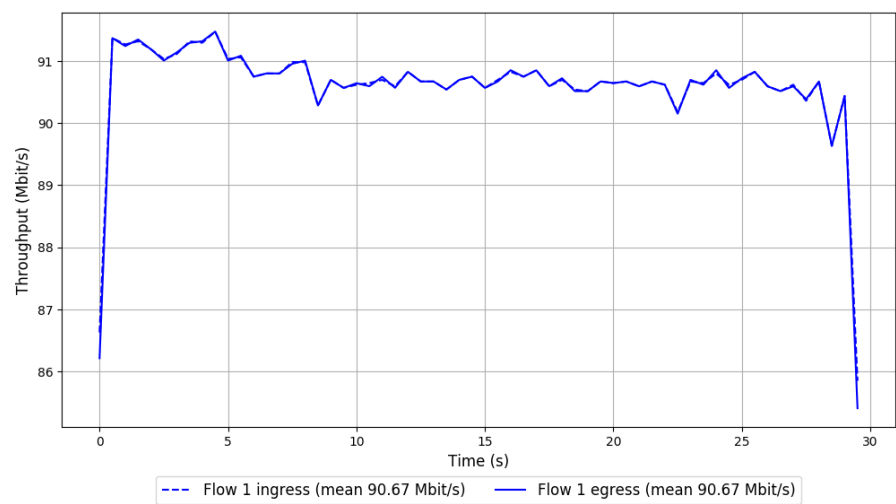
-- Flow 1:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 2.367 ms

Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-31 13:38:50

End at: 2018-01-31 13:39:20

Local clock offset: -0.016 ms

Remote clock offset: 0.621 ms

# Below is generated by plot.py at 2018-01-31 19:32:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 2.385 ms

Loss rate: 0.02%

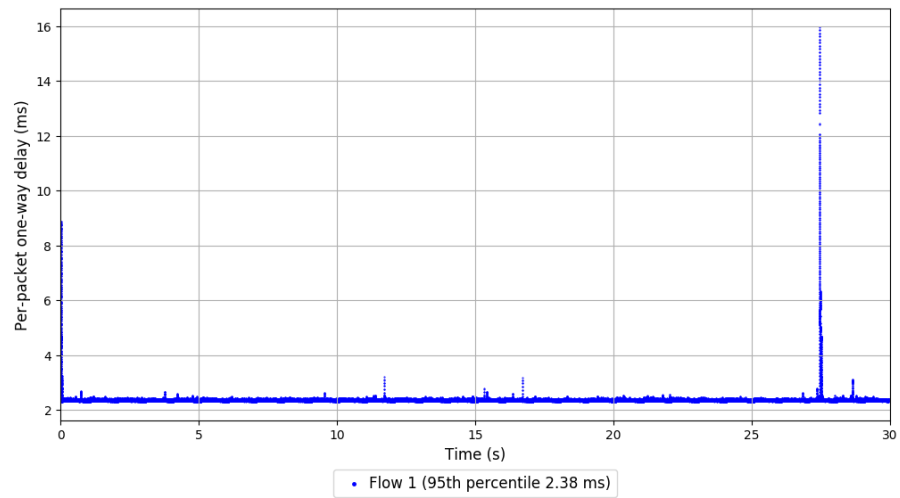
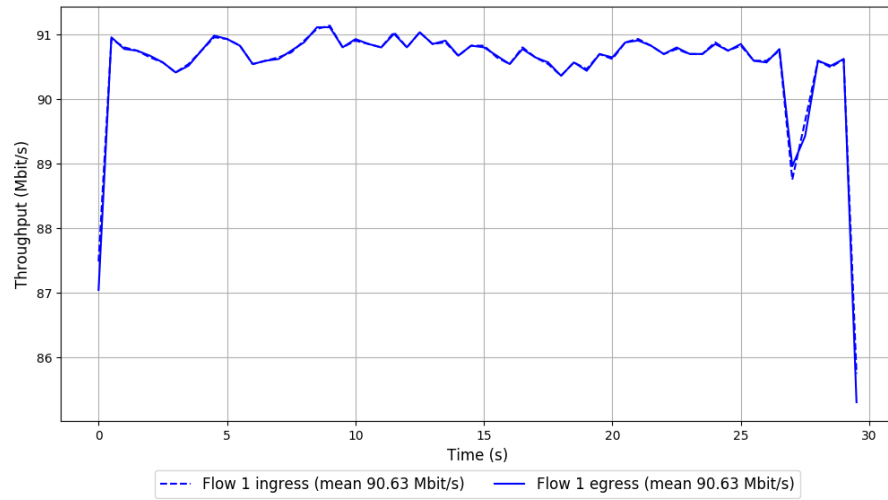
-- Flow 1:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 2.385 ms

Loss rate: 0.02%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-31 13:59:10

End at: 2018-01-31 13:59:40

Local clock offset: 0.034 ms

Remote clock offset: 0.777 ms

# Below is generated by plot.py at 2018-01-31 19:32:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.57 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.01%

-- Flow 1:

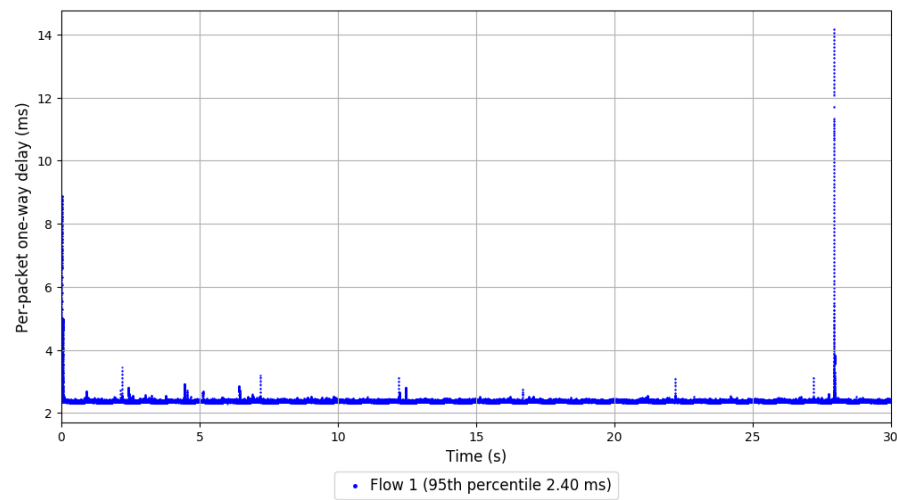
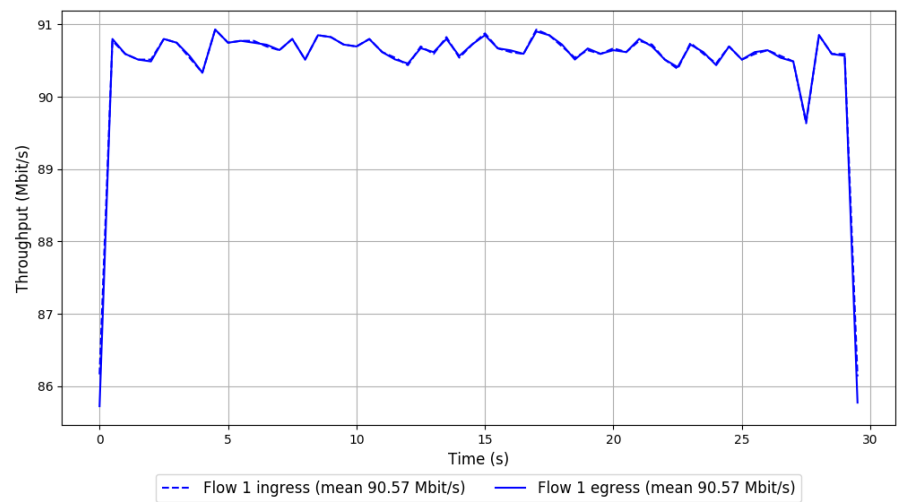
Average throughput: 90.57 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.01%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-31 14:19:33

End at: 2018-01-31 14:20:03

Local clock offset: 0.067 ms

Remote clock offset: 0.628 ms

# Below is generated by plot.py at 2018-01-31 19:32:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 2.435 ms

Loss rate: 0.02%

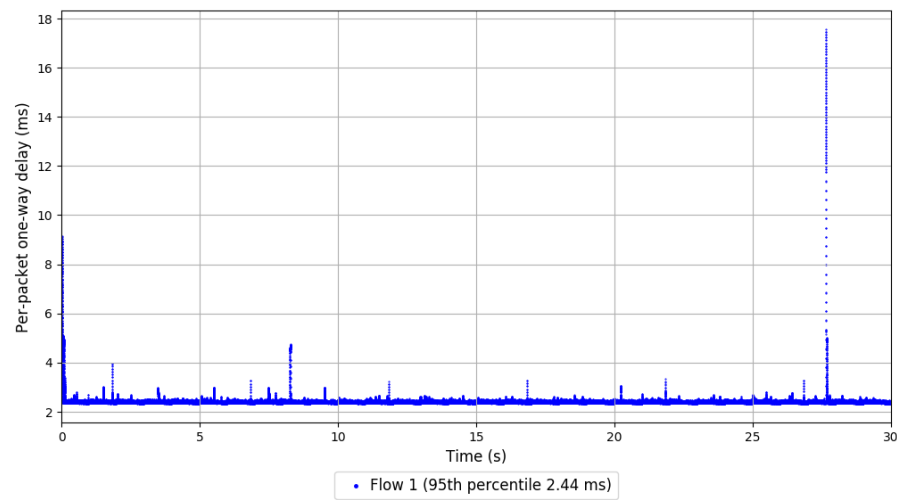
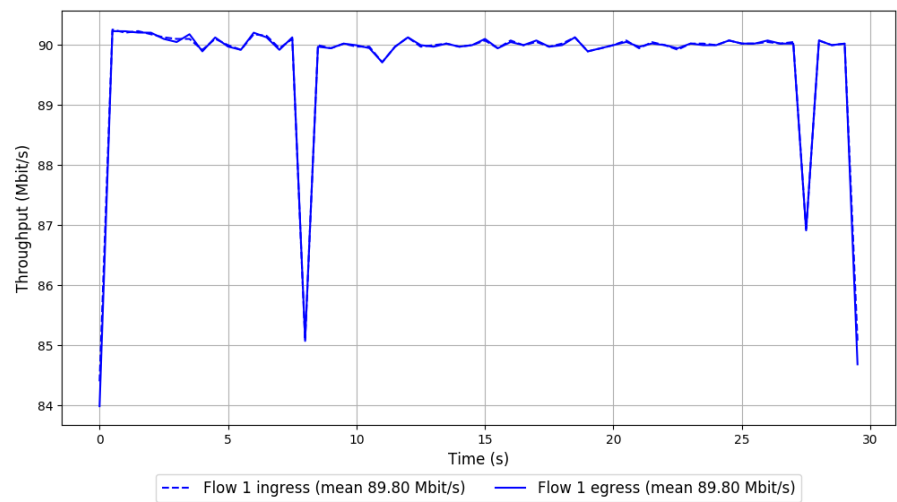
-- Flow 1:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 2.435 ms

Loss rate: 0.02%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-31 14:39:56

End at: 2018-01-31 14:40:26

Local clock offset: 0.094 ms

Remote clock offset: 0.388 ms

# Below is generated by plot.py at 2018-01-31 19:32:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 2.495 ms

Loss rate: 0.02%

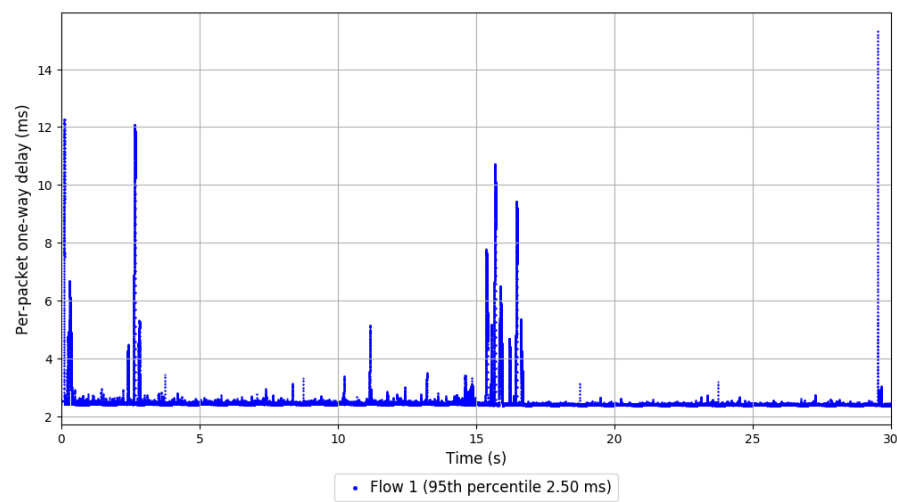
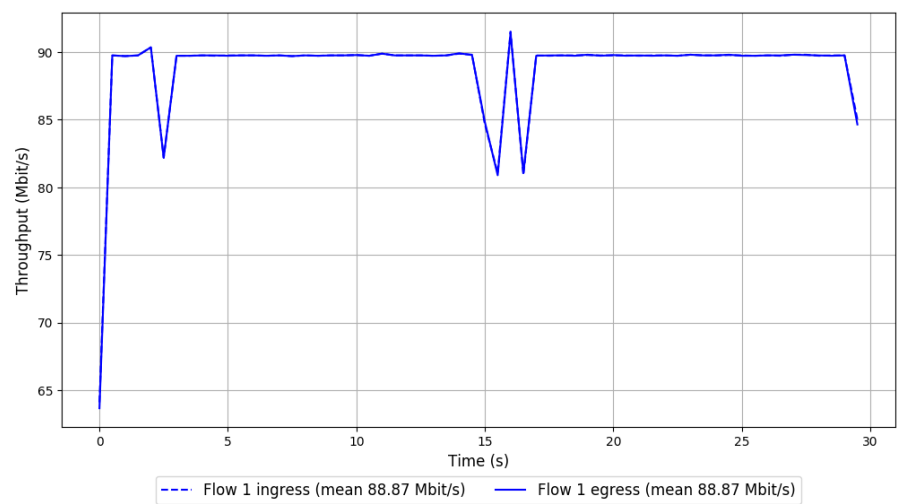
-- Flow 1:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 2.495 ms

Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-31 15:00:23

End at: 2018-01-31 15:00:53

Local clock offset: 0.179 ms

Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2018-01-31 19:33:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 2.482 ms

Loss rate: 0.02%

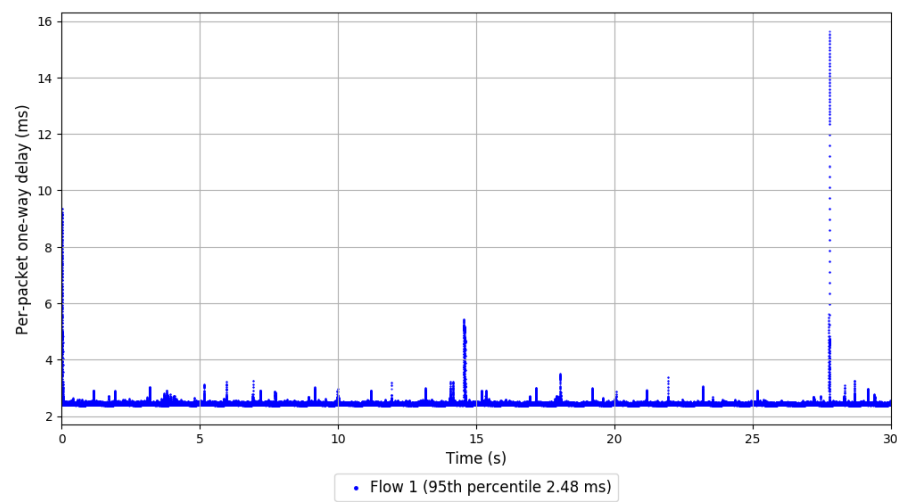
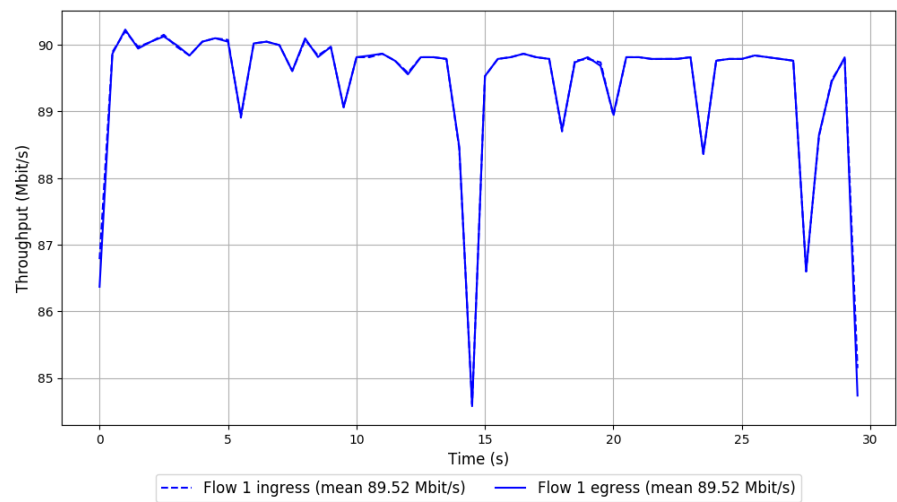
-- Flow 1:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 2.482 ms

Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-31 15:20:37

End at: 2018-01-31 15:21:07

Local clock offset: 0.192 ms

Remote clock offset: 0.091 ms

# Below is generated by plot.py at 2018-01-31 19:34:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 2.950 ms

Loss rate: 0.02%

-- Flow 1:

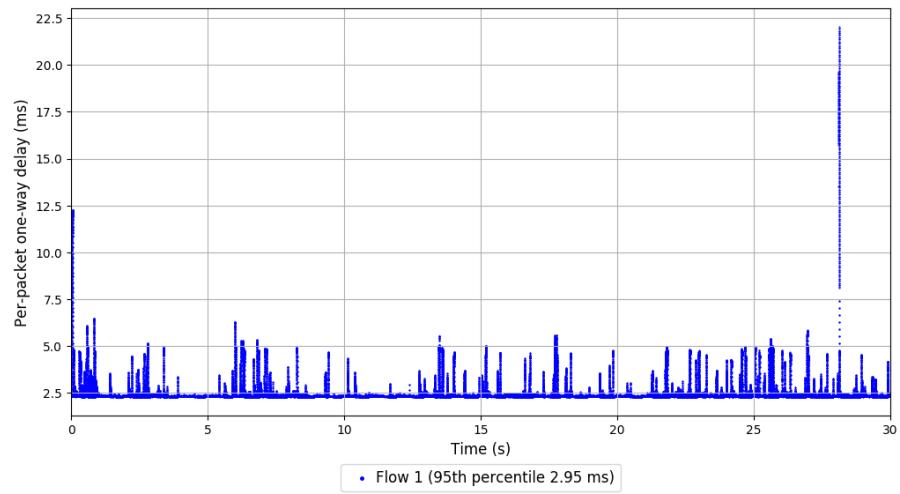
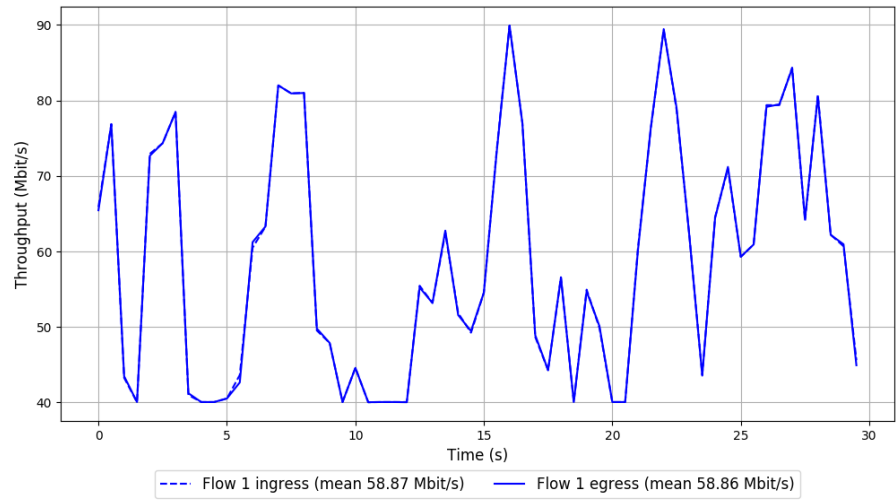
Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 2.950 ms

Loss rate: 0.02%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-31 15:40:53

End at: 2018-01-31 15:41:23

Local clock offset: 0.175 ms

Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 2.441 ms

Loss rate: 0.02%

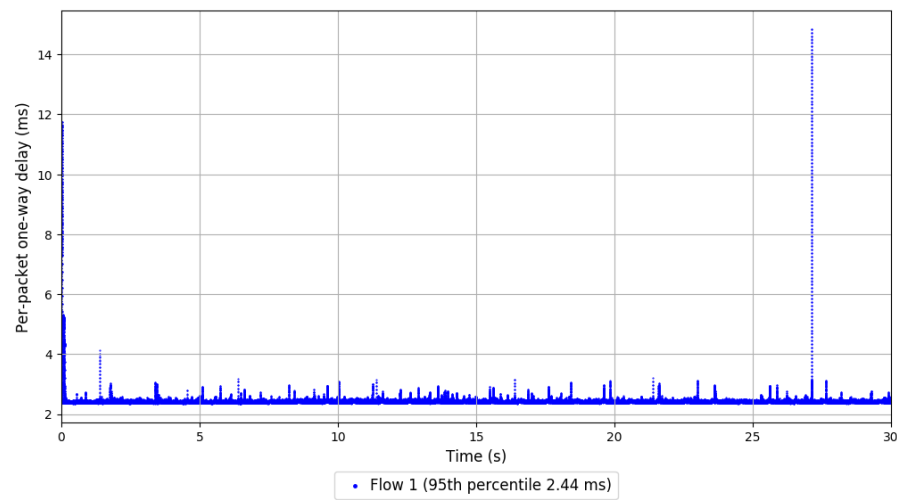
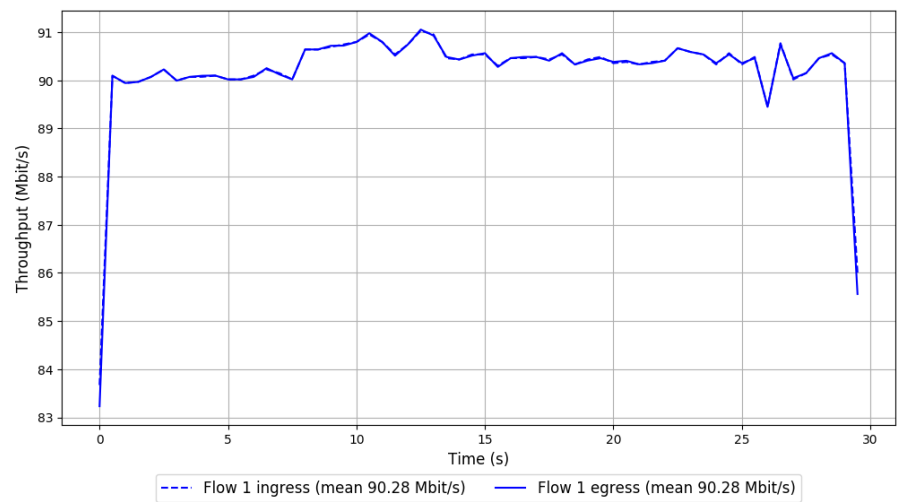
-- Flow 1:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 2.441 ms

Loss rate: 0.02%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-31 12:41:27

End at: 2018-01-31 12:41:57

Local clock offset: -0.328 ms

Remote clock offset: 0.11 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 3.847 ms

Loss rate: 0.02%

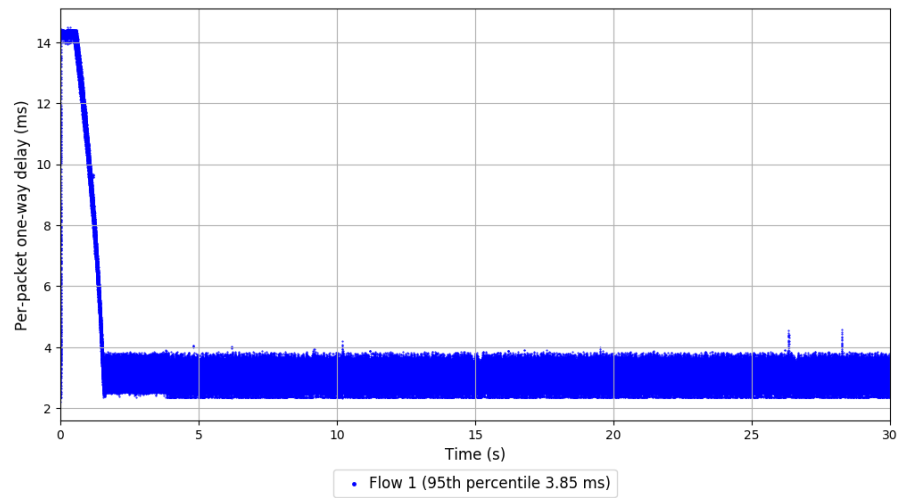
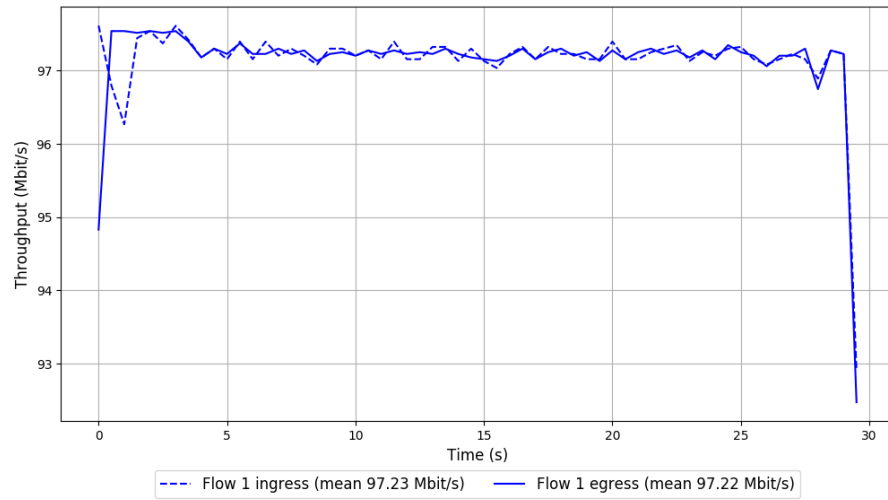
-- Flow 1:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 3.847 ms

Loss rate: 0.02%

### Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-31 13:01:48

End at: 2018-01-31 13:02:18

Local clock offset: -0.297 ms

Remote clock offset: 0.337 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 4.961 ms

Loss rate: 0.02%

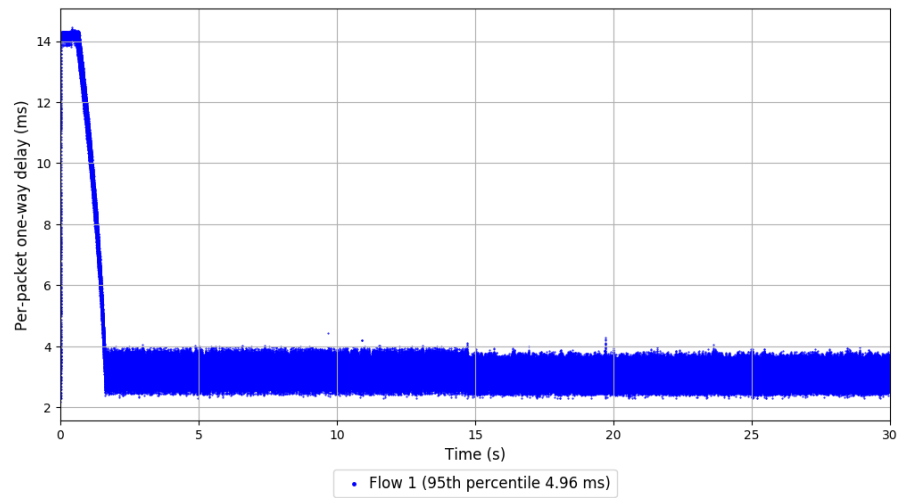
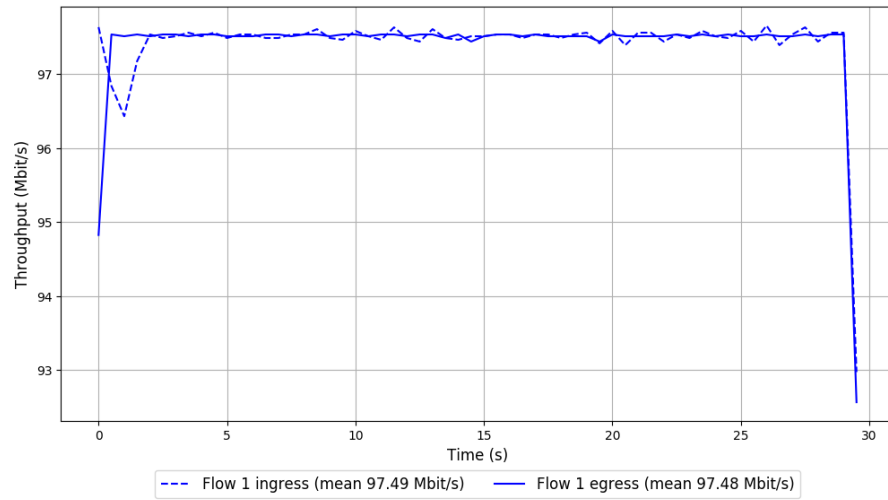
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 4.961 ms

Loss rate: 0.02%

## Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-31 13:22:03

End at: 2018-01-31 13:22:33

Local clock offset: -0.092 ms

Remote clock offset: 0.515 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 3.068 ms

Loss rate: 0.00%

-- Flow 1:

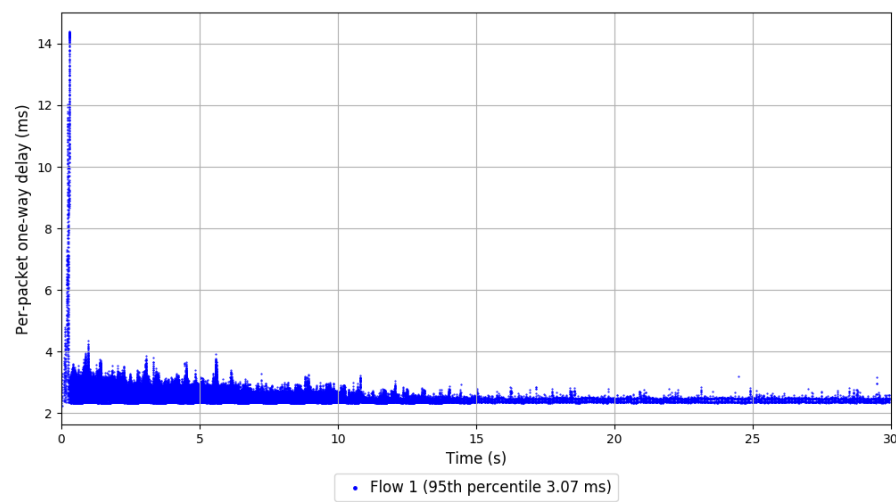
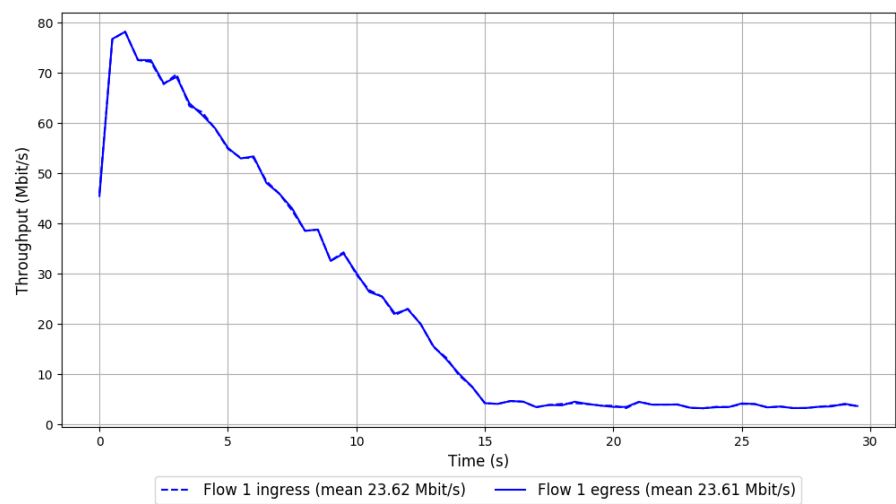
Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 3.068 ms

Loss rate: 0.00%



Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-31 13:42:18

End at: 2018-01-31 13:42:48

Local clock offset: -0.006 ms

Remote clock offset: 0.651 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 4.786 ms

Loss rate: 0.02%

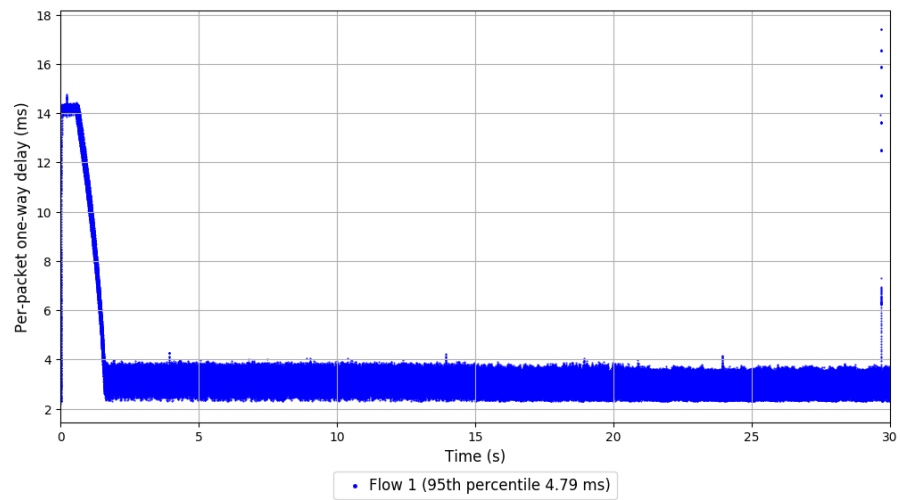
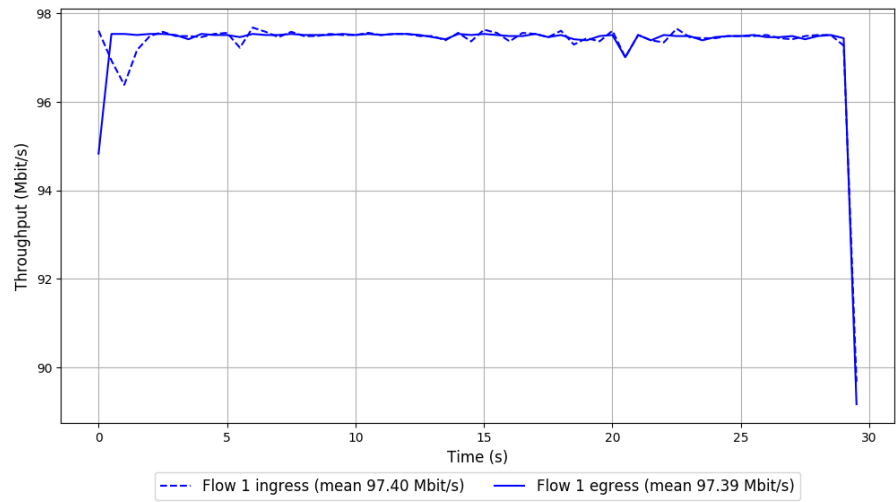
-- Flow 1:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 4.786 ms

Loss rate: 0.02%

#### Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-31 14:02:38

End at: 2018-01-31 14:03:08

Local clock offset: 0.04 ms

Remote clock offset: 0.861 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.24 Mbit/s

95th percentile per-packet one-way delay: 2.575 ms

Loss rate: 0.06%

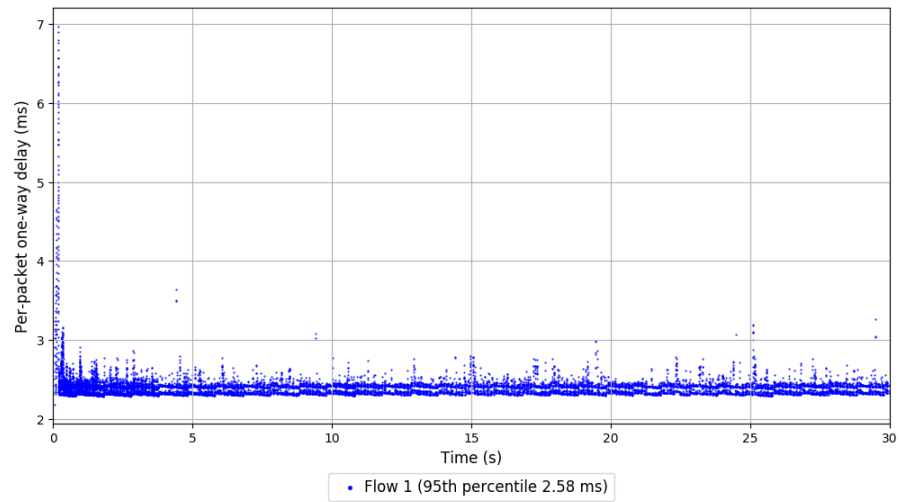
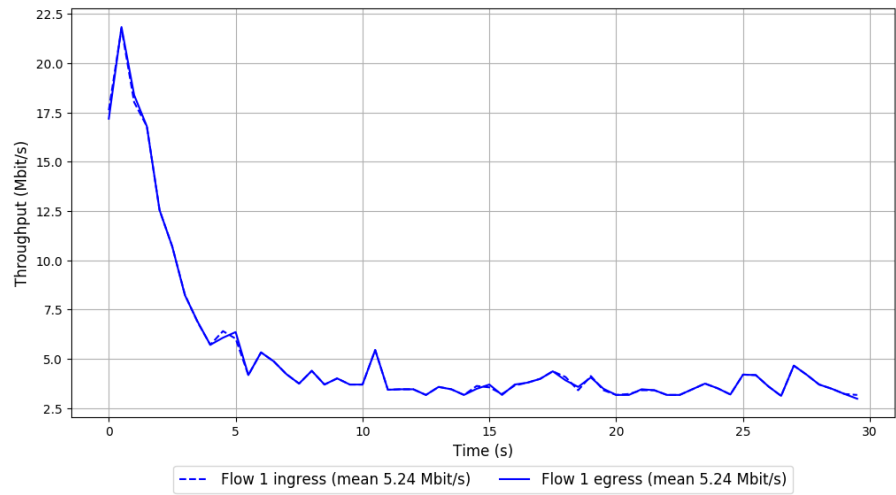
-- Flow 1:

Average throughput: 5.24 Mbit/s

95th percentile per-packet one-way delay: 2.575 ms

Loss rate: 0.06%

### Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-31 14:23:00

End at: 2018-01-31 14:23:30

Local clock offset: -0.005 ms

Remote clock offset: 0.553 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 4.841 ms

Loss rate: 0.02%

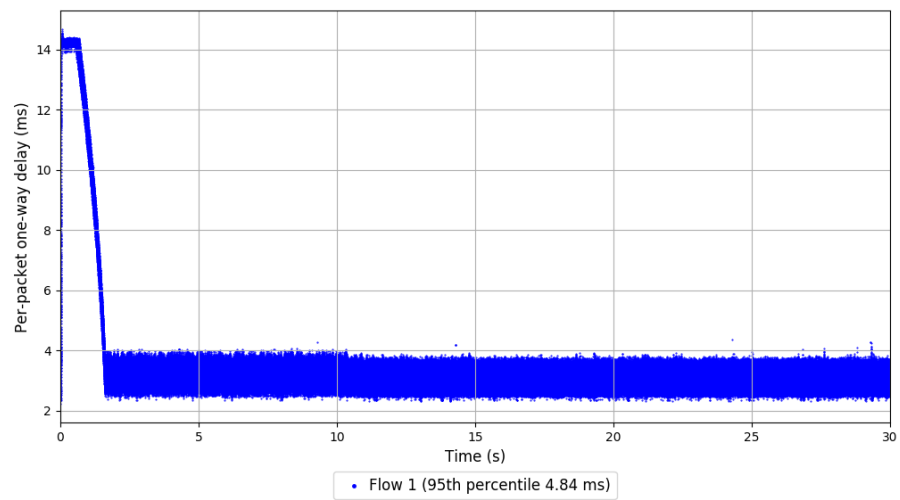
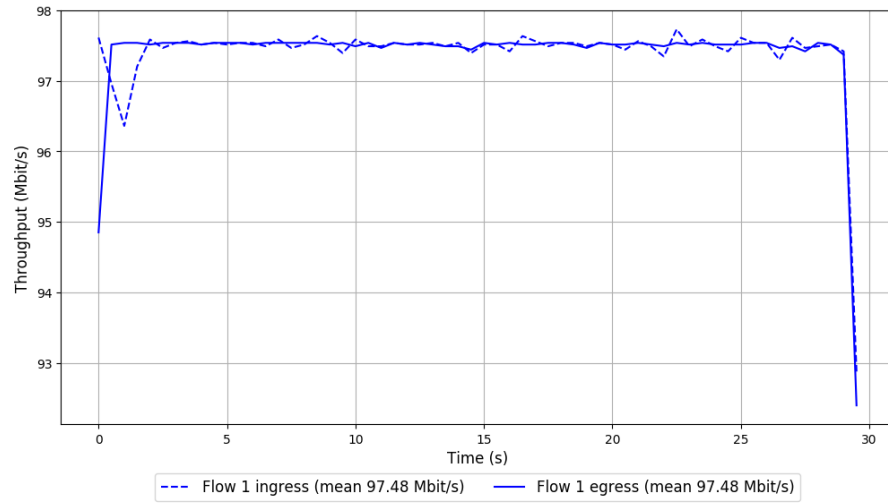
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 4.841 ms

Loss rate: 0.02%

### Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-31 14:43:23

End at: 2018-01-31 14:43:53

Local clock offset: 0.036 ms

Remote clock offset: 0.431 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 3.603 ms

Loss rate: 0.02%

-- Flow 1:

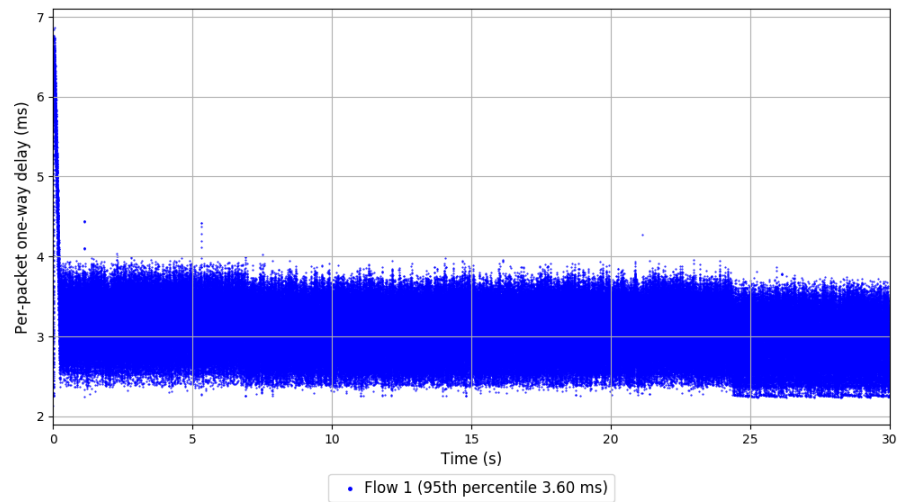
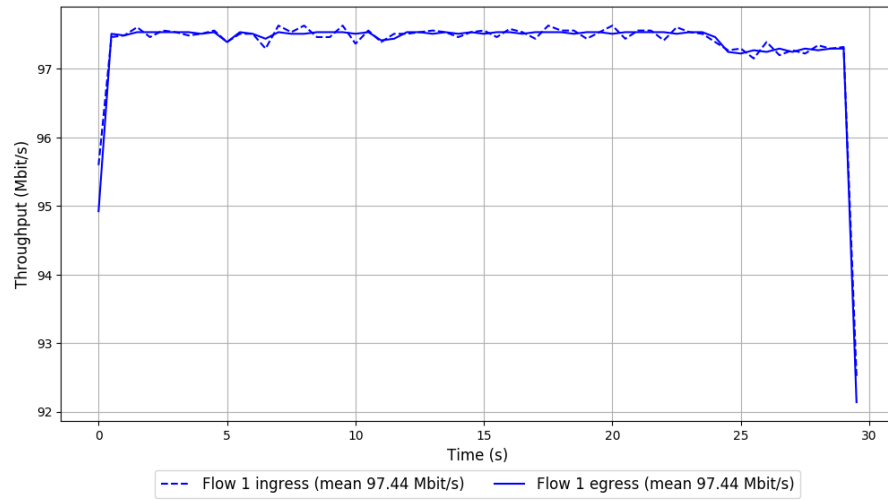
Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 3.603 ms

Loss rate: 0.02%



### Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-31 15:03:51

End at: 2018-01-31 15:04:21

Local clock offset: 0.17 ms

Remote clock offset: 0.251 ms

# Below is generated by plot.py at 2018-01-31 19:34:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 3.696 ms

Loss rate: 0.02%

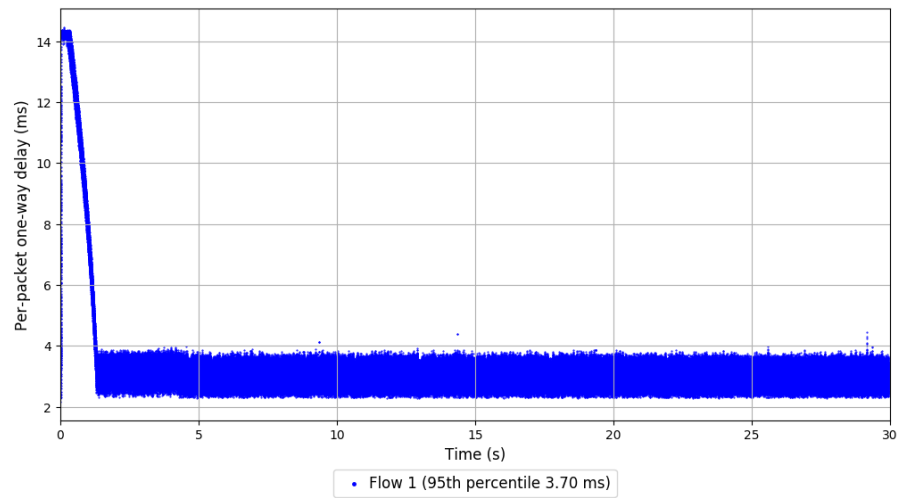
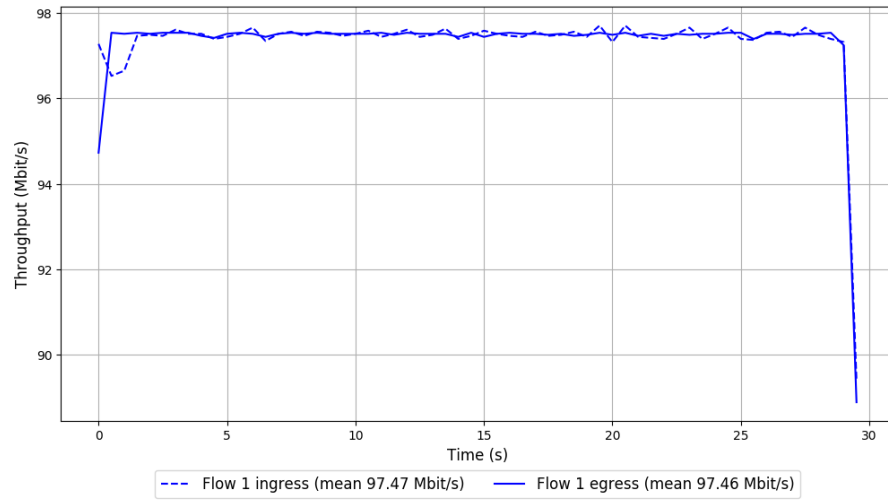
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 3.696 ms

Loss rate: 0.02%

### Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-31 15:24:03

End at: 2018-01-31 15:24:33

Local clock offset: 0.201 ms

Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2018-01-31 19:35:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 3.662 ms

Loss rate: 0.02%

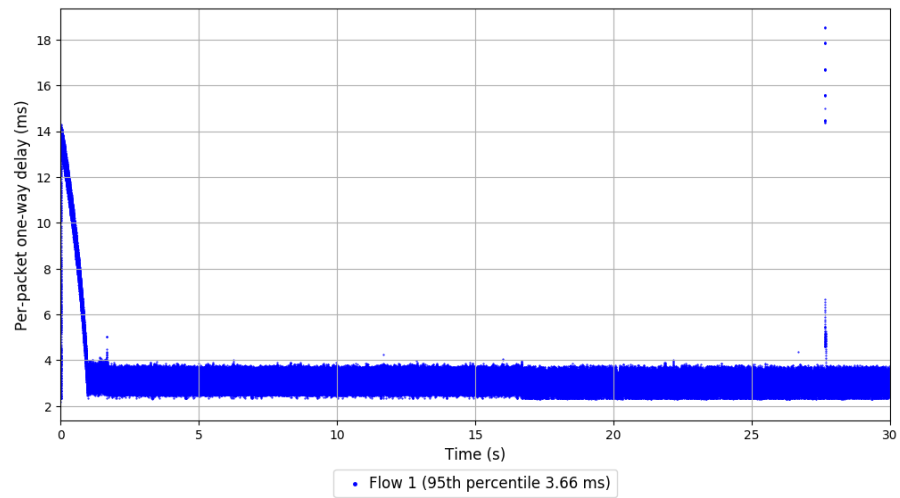
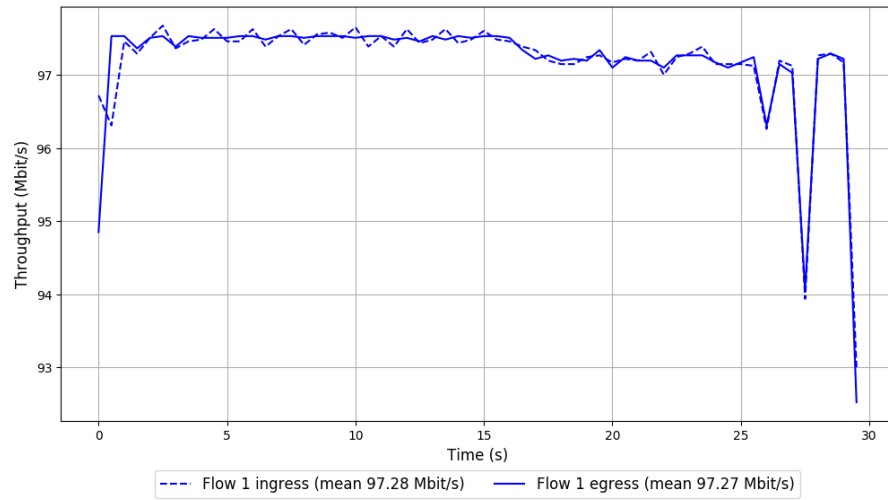
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 3.662 ms

Loss rate: 0.02%

### Run 9: Report of TCP Vegas — Data Link

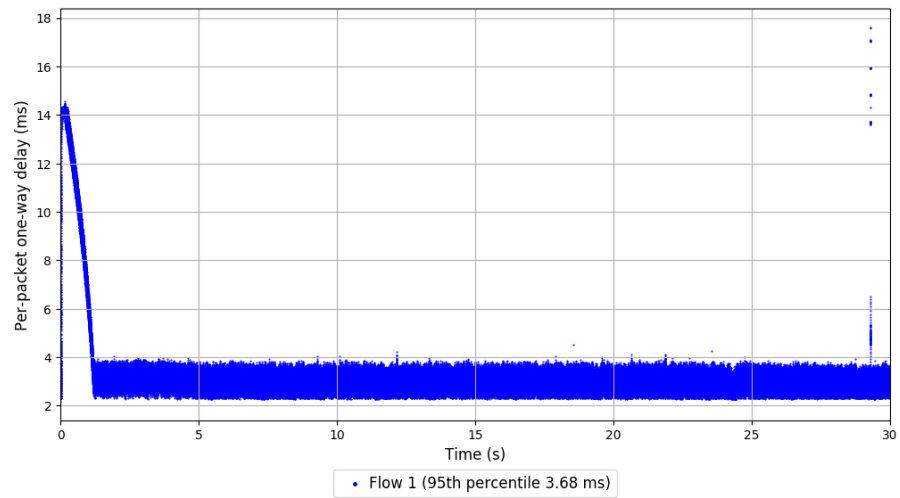
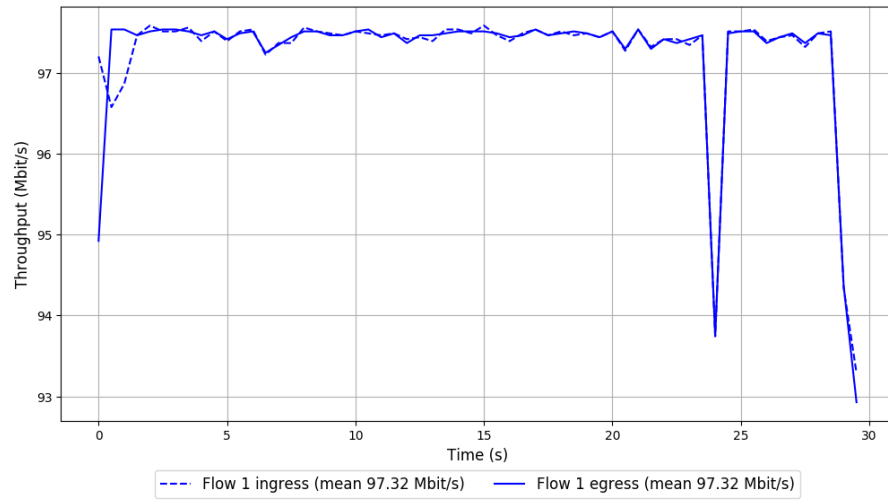


Run 10: Statistics of TCP Vegas

Start at: 2018-01-31 15:44:21  
End at: 2018-01-31 15:44:51  
Local clock offset: 0.13 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-01-31 19:35:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 3.680 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 3.680 ms  
Loss rate: 0.02%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-31 12:44:44

End at: 2018-01-31 12:45:14

Local clock offset: -0.373 ms

Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2018-01-31 19:35:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.21 Mbit/s

95th percentile per-packet one-way delay: 11.060 ms

Loss rate: 0.05%

-- Flow 1:

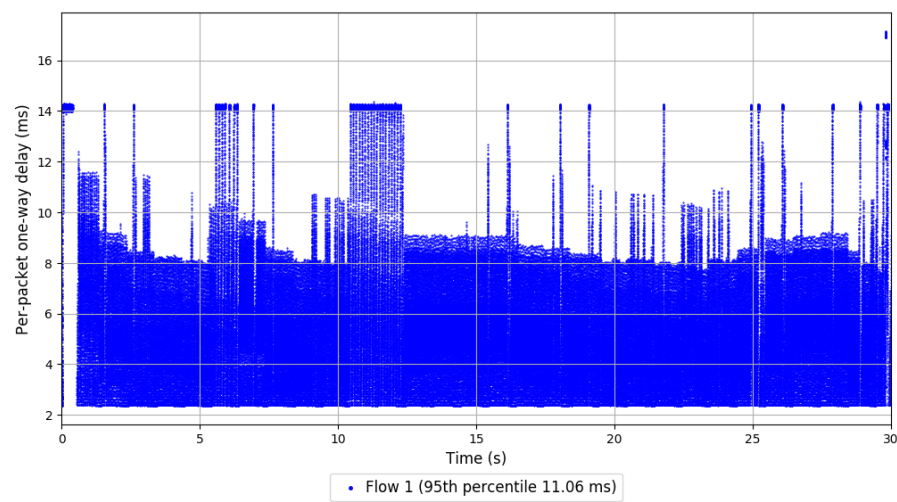
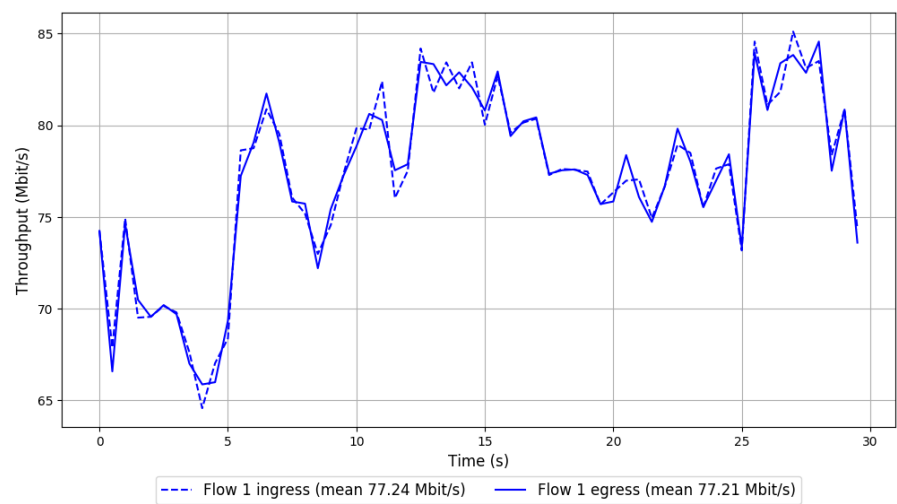
Average throughput: 77.21 Mbit/s

95th percentile per-packet one-way delay: 11.060 ms

Loss rate: 0.05%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

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

End at: 2018-01-31 13:05:35

Local clock offset: -0.237 ms

Remote clock offset: 0.366 ms

# Below is generated by plot.py at 2018-01-31 19:35:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.40 Mbit/s

95th percentile per-packet one-way delay: 11.587 ms

Loss rate: 0.04%

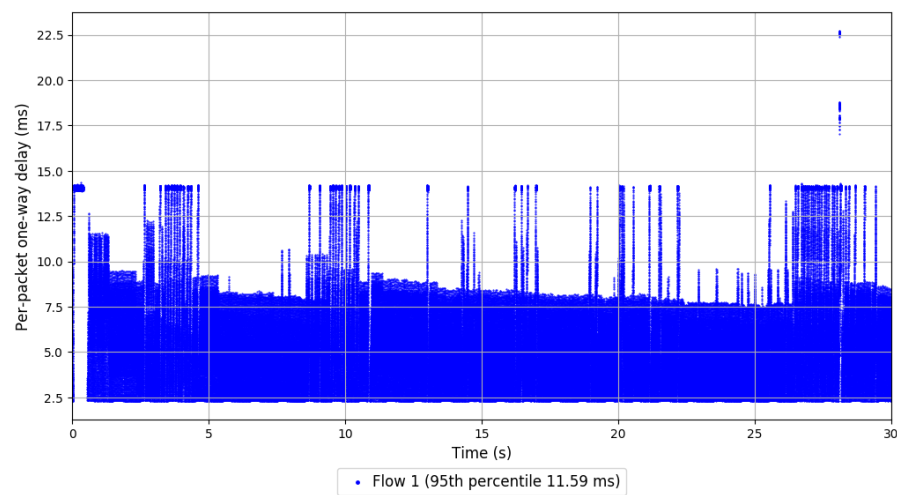
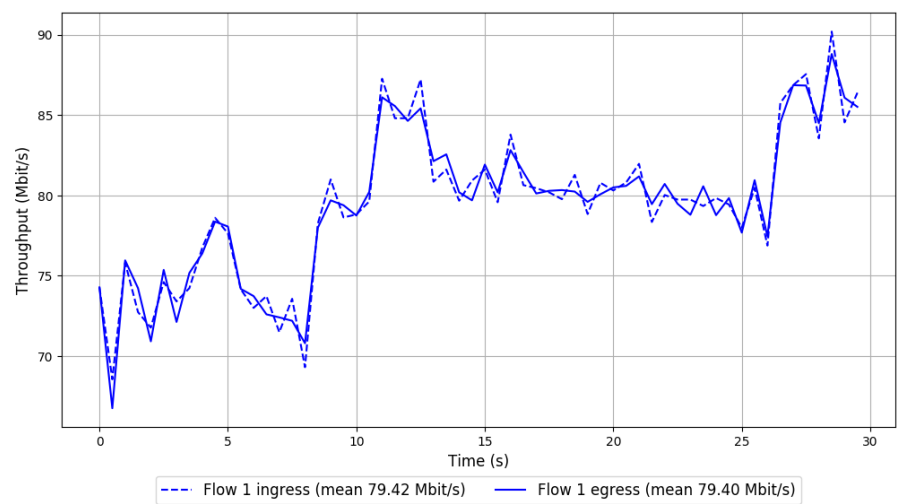
-- Flow 1:

Average throughput: 79.40 Mbit/s

95th percentile per-packet one-way delay: 11.587 ms

Loss rate: 0.04%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-31 13:25:16

End at: 2018-01-31 13:25:46

Local clock offset: -0.139 ms

Remote clock offset: 0.545 ms

# Below is generated by plot.py at 2018-01-31 19:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 11.294 ms

Loss rate: 0.02%

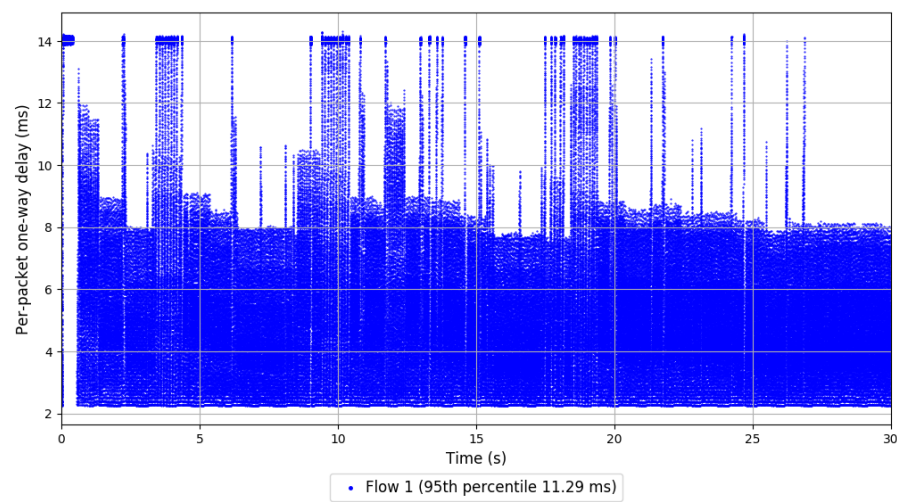
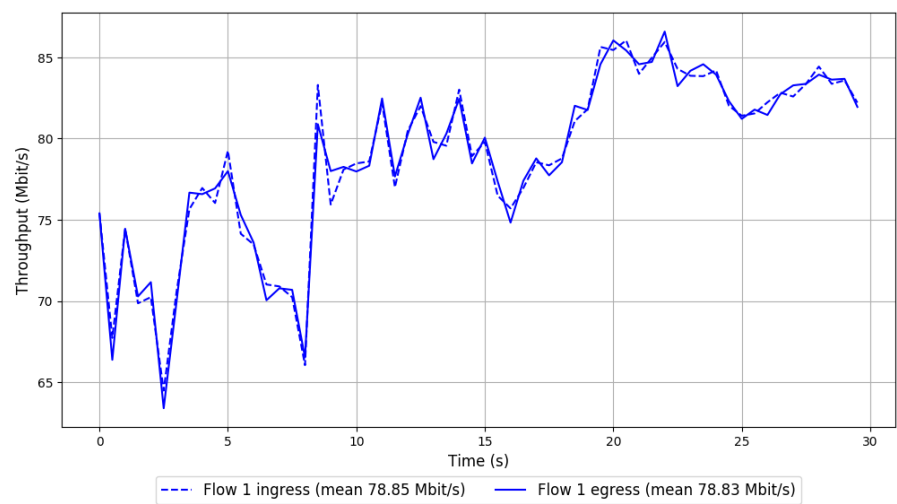
-- Flow 1:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 11.294 ms

Loss rate: 0.02%

Run 3: Report of Verus — Data Link

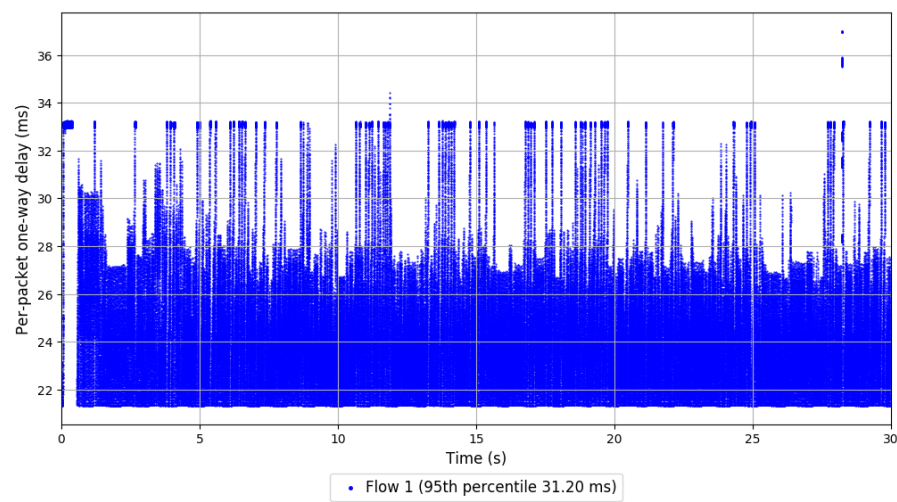
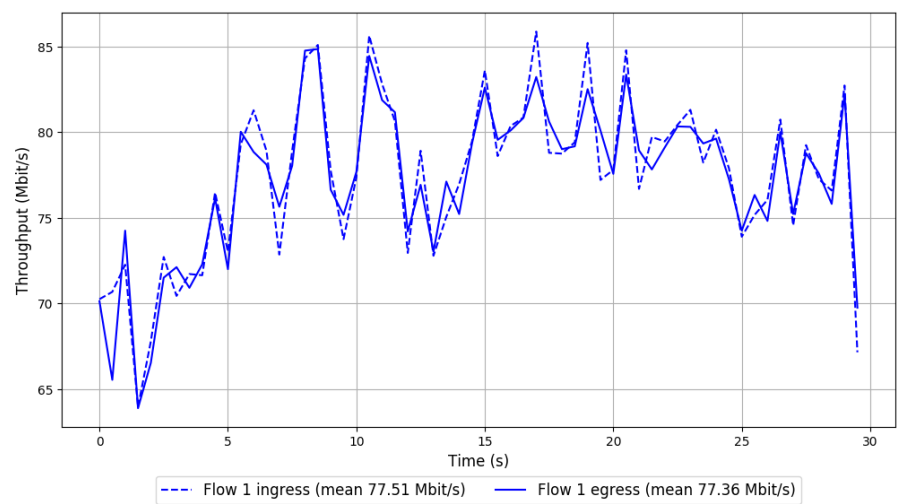


Run 4: Statistics of Verus

Start at: 2018-01-31 13:45:34  
End at: 2018-01-31 13:46:04  
Local clock offset: 0.01 ms  
Remote clock offset: -18.333 ms

# Below is generated by plot.py at 2018-01-31 19:35:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.36 Mbit/s  
95th percentile per-packet one-way delay: 31.202 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 77.36 Mbit/s  
95th percentile per-packet one-way delay: 31.202 ms  
Loss rate: 0.21%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-31 14:05:51

End at: 2018-01-31 14:06:21

Local clock offset: -0.007 ms

Remote clock offset: 0.845 ms

# Below is generated by plot.py at 2018-01-31 19:35:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 11.544 ms

Loss rate: 0.02%

-- Flow 1:

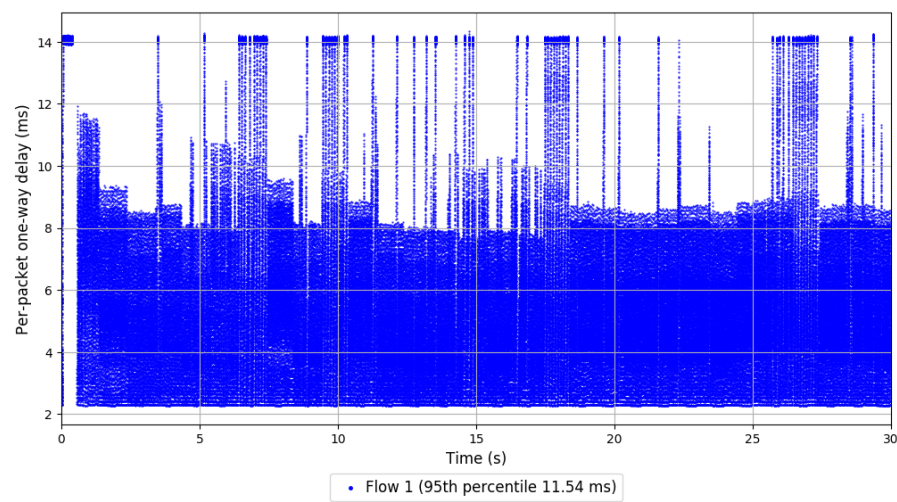
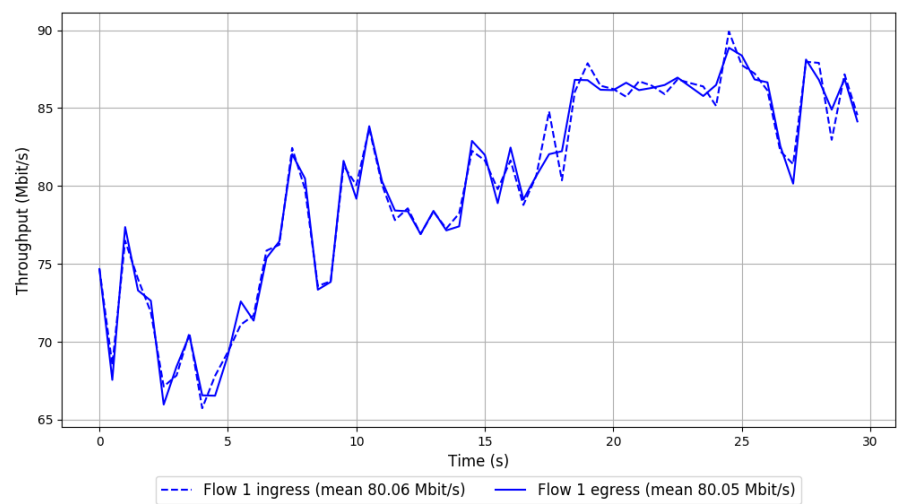
Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 11.544 ms

Loss rate: 0.02%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-31 14:26:17

End at: 2018-01-31 14:26:47

Local clock offset: 0.042 ms

Remote clock offset: 0.59 ms

# Below is generated by plot.py at 2018-01-31 19:36:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.90 Mbit/s

95th percentile per-packet one-way delay: 10.118 ms

Loss rate: 0.02%

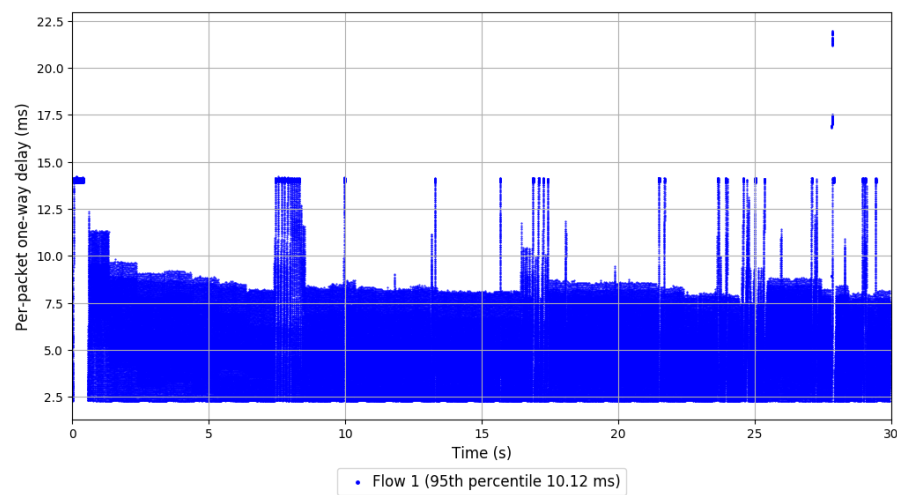
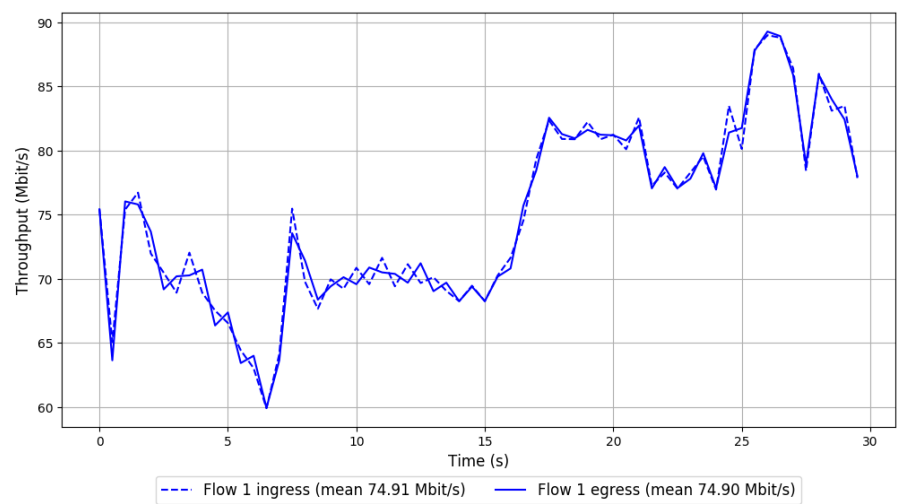
-- Flow 1:

Average throughput: 74.90 Mbit/s

95th percentile per-packet one-way delay: 10.118 ms

Loss rate: 0.02%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-31 14:46:39

End at: 2018-01-31 14:47:09

Local clock offset: 0.113 ms

Remote clock offset: 0.404 ms

# Below is generated by plot.py at 2018-01-31 19:36:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.12 Mbit/s

95th percentile per-packet one-way delay: 10.460 ms

Loss rate: 0.04%

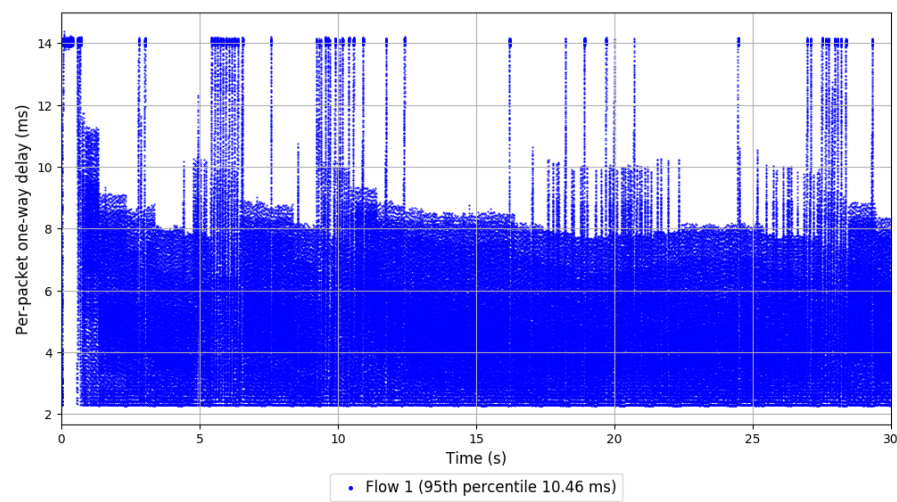
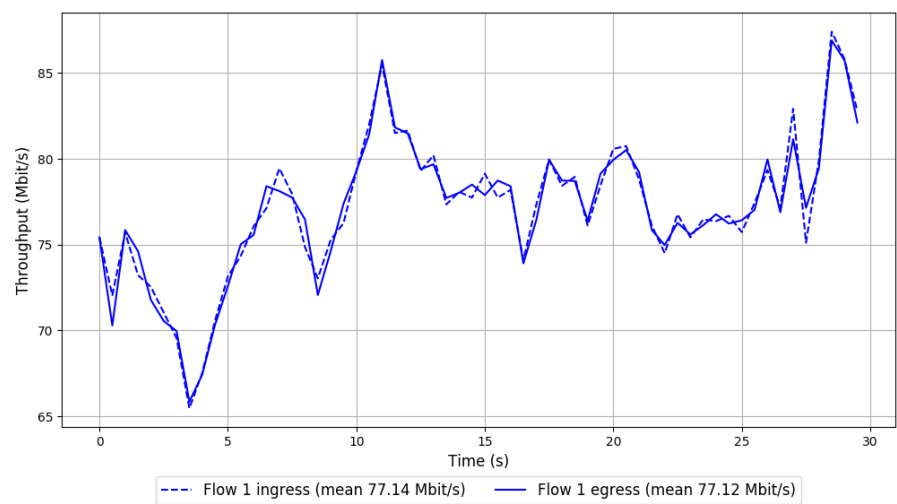
-- Flow 1:

Average throughput: 77.12 Mbit/s

95th percentile per-packet one-way delay: 10.460 ms

Loss rate: 0.04%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-31 15:07:08

End at: 2018-01-31 15:07:38

Local clock offset: 0.168 ms

Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2018-01-31 19:36:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 9.818 ms

Loss rate: 0.06%

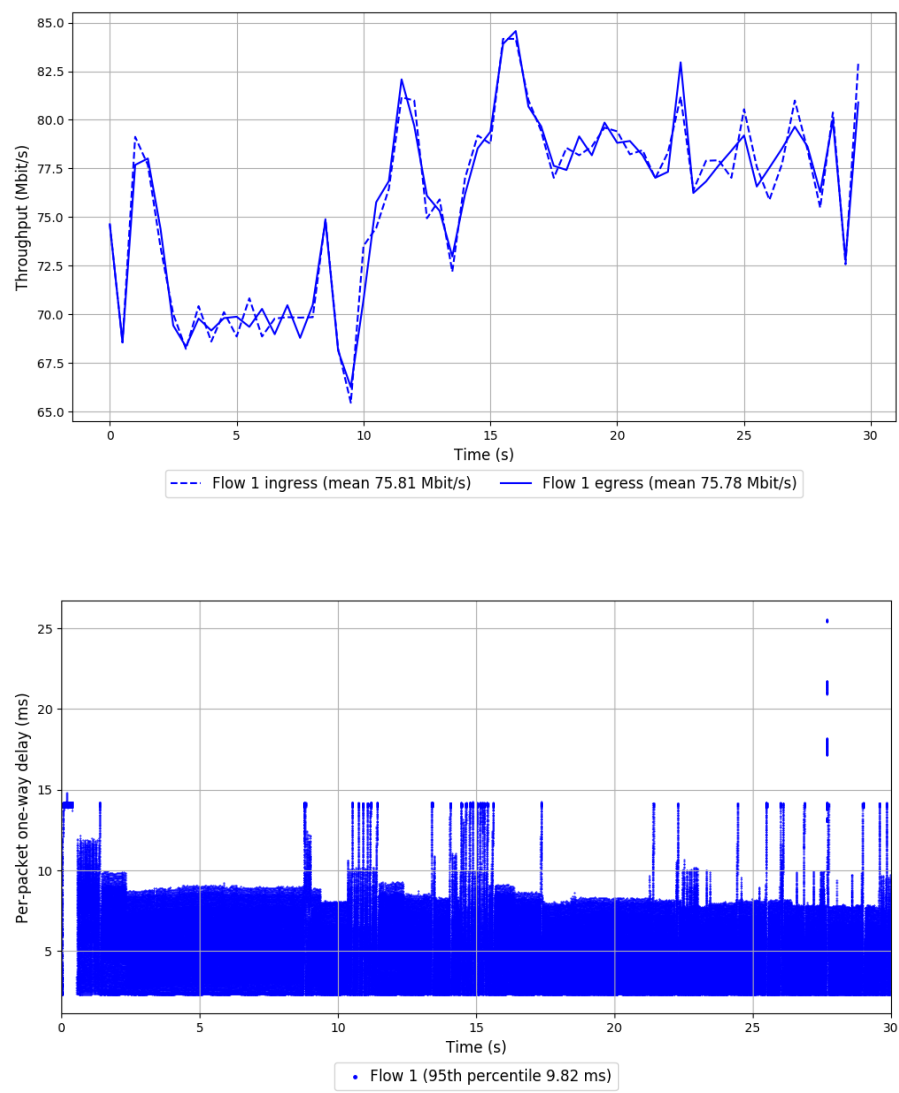
-- Flow 1:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 9.818 ms

Loss rate: 0.06%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-31 15:27:20

End at: 2018-01-31 15:27:50

Local clock offset: 0.197 ms

Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-01-31 19:36:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.96 Mbit/s

95th percentile per-packet one-way delay: 14.144 ms

Loss rate: 0.00%

-- Flow 1:

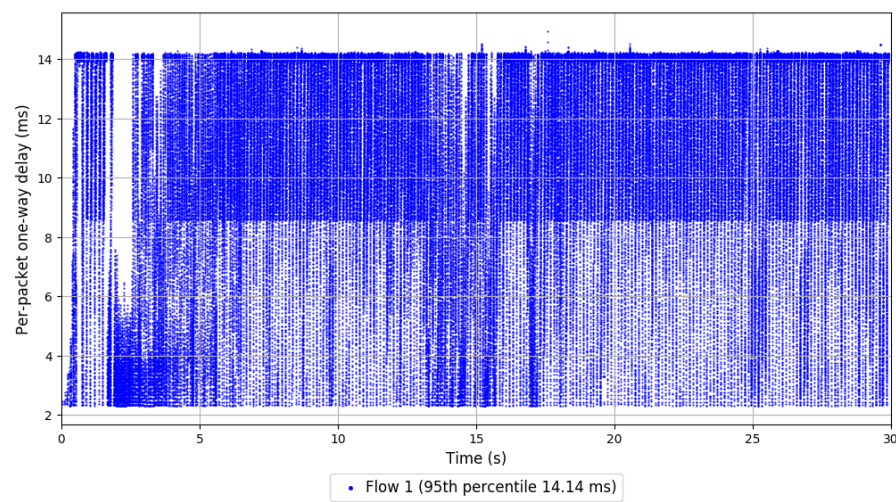
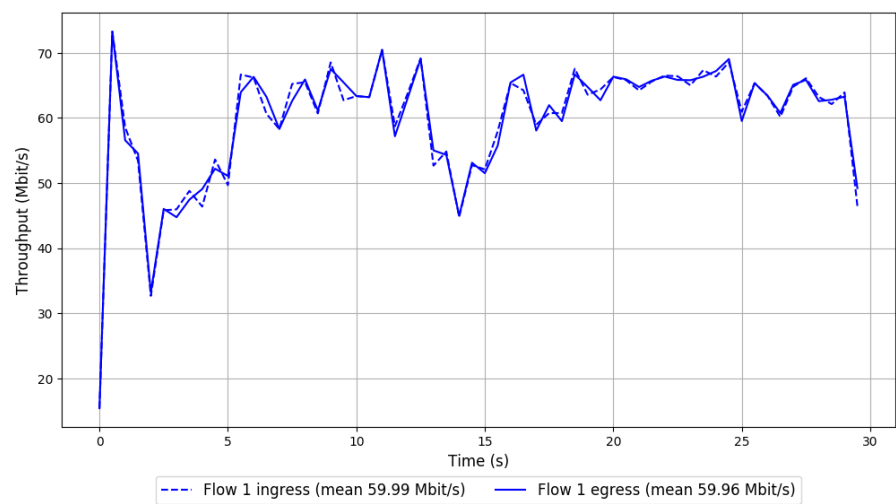
Average throughput: 59.96 Mbit/s

95th percentile per-packet one-way delay: 14.144 ms

Loss rate: 0.00%



Run 9: Report of Verus — Data Link

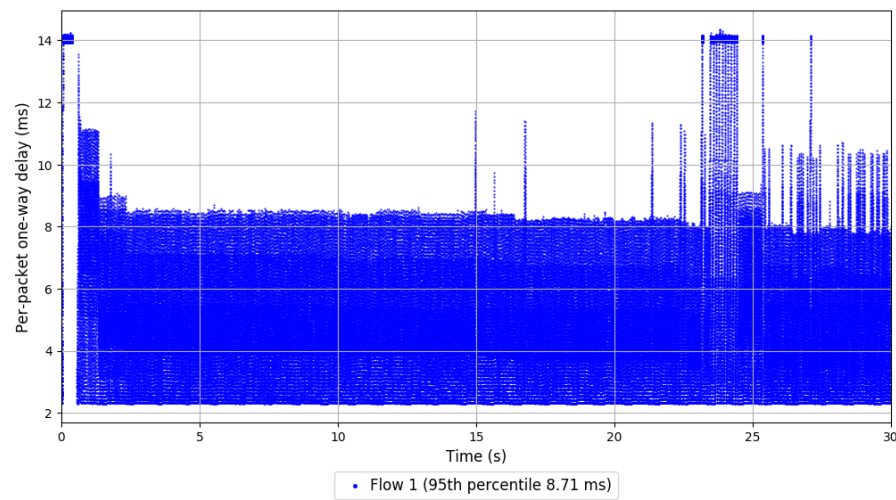
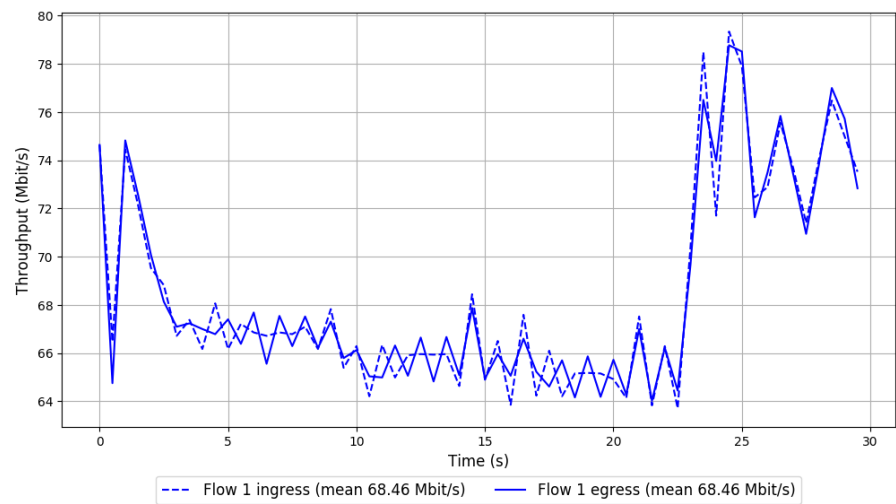


Run 10: Statistics of Verus

Start at: 2018-01-31 15:47:37  
End at: 2018-01-31 15:48:07  
Local clock offset: 0.084 ms  
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-01-31 19:36:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.46 Mbit/s  
95th percentile per-packet one-way delay: 8.709 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 68.46 Mbit/s  
95th percentile per-packet one-way delay: 8.709 ms  
Loss rate: 0.02%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-31 12:35:43

End at: 2018-01-31 12:36:13

Local clock offset: -0.354 ms

Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-01-31 19:37:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 2.410 ms

Loss rate: 0.02%

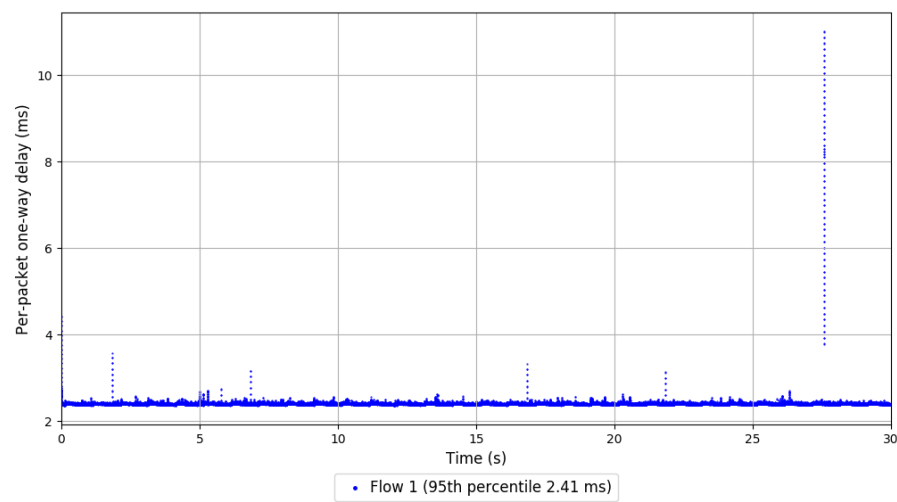
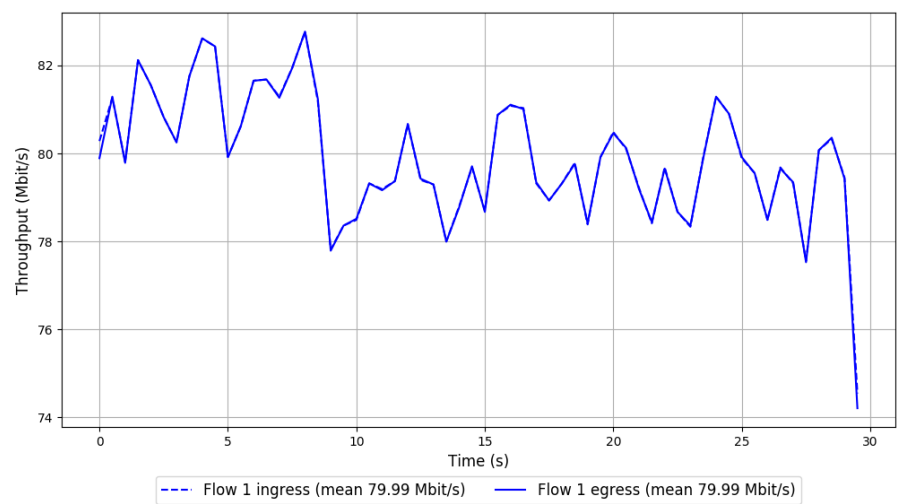
-- Flow 1:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 2.410 ms

Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-31 12:56:04

End at: 2018-01-31 12:56:34

Local clock offset: -0.366 ms

Remote clock offset: 0.276 ms

# Below is generated by plot.py at 2018-01-31 19:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.02%

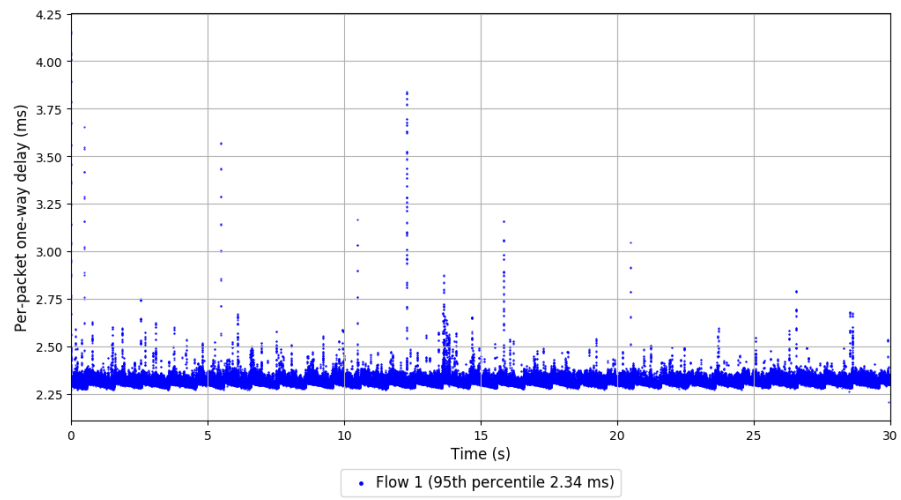
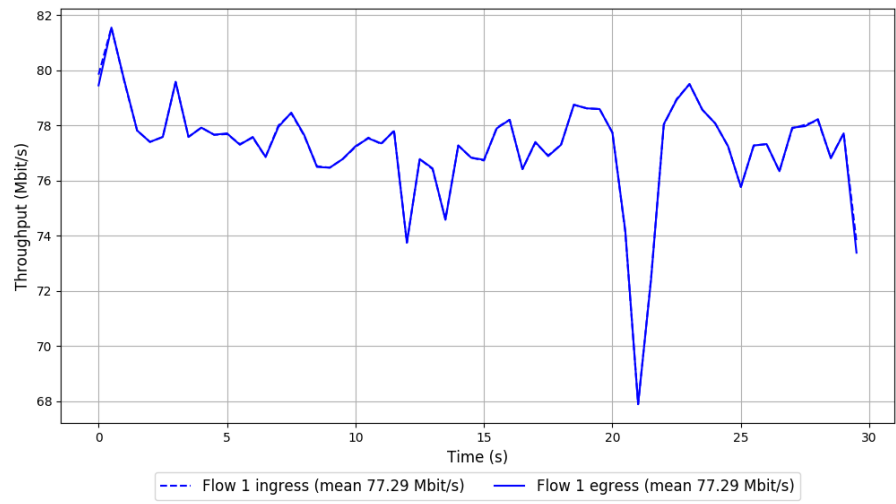
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.02%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-31 13:16:28

End at: 2018-01-31 13:16:58

Local clock offset: -0.158 ms

Remote clock offset: 0.5 ms

# Below is generated by plot.py at 2018-01-31 19:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 2.355 ms

Loss rate: 0.02%

-- Flow 1:

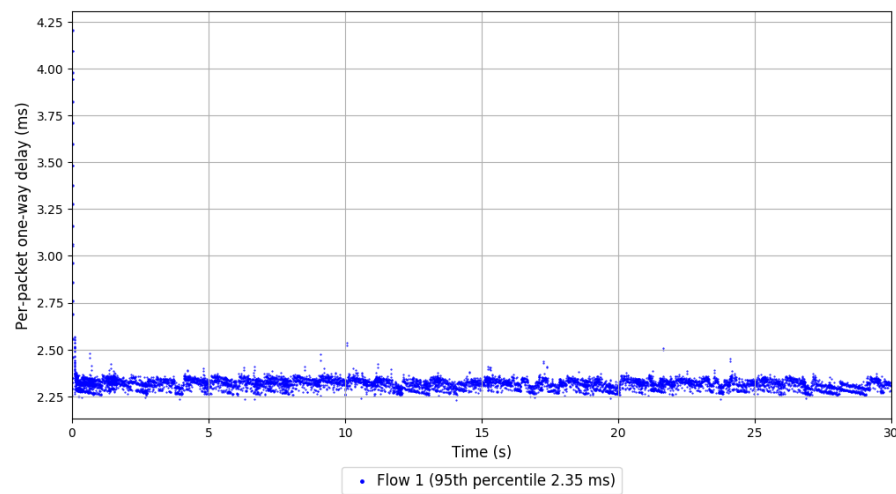
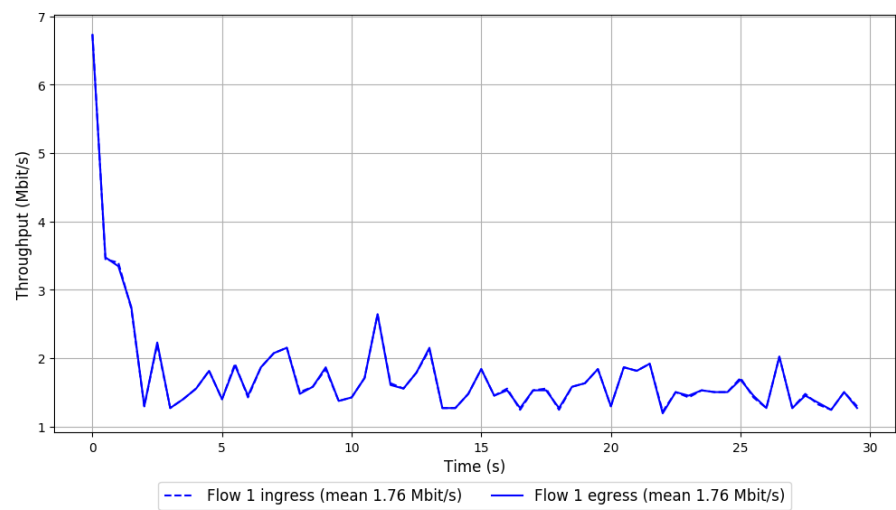
Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 2.355 ms

Loss rate: 0.02%



Run 3: Report of Copa — Data Link

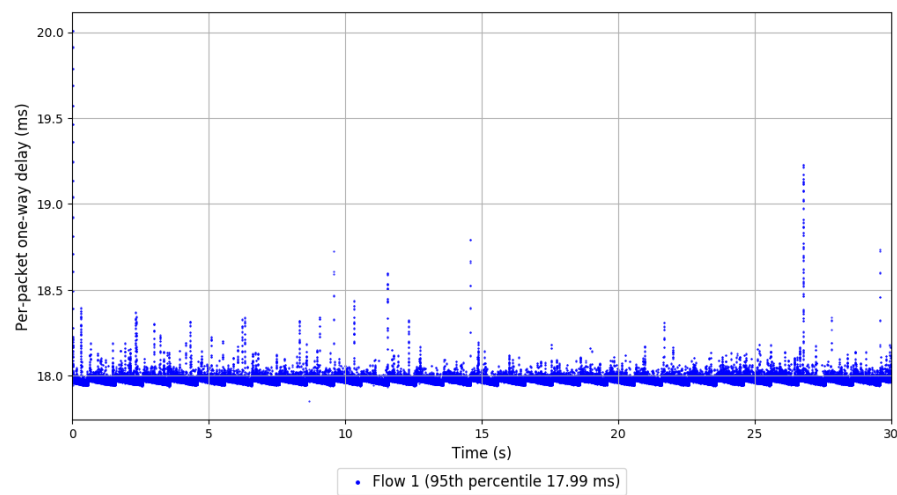
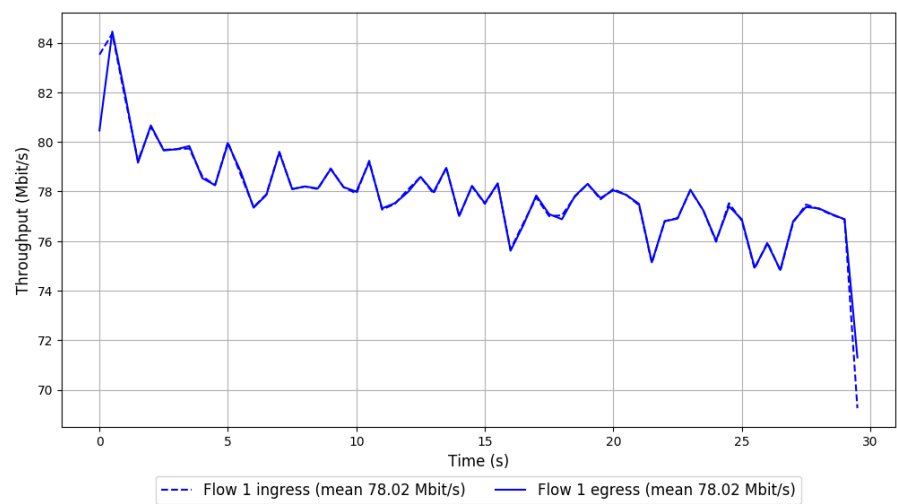


Run 4: Statistics of Copa

Start at: 2018-01-31 13:36:34  
End at: 2018-01-31 13:37:04  
Local clock offset: -0.048 ms  
Remote clock offset: -15.055 ms

# Below is generated by plot.py at 2018-01-31 19:38:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.02 Mbit/s  
95th percentile per-packet one-way delay: 17.990 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 78.02 Mbit/s  
95th percentile per-packet one-way delay: 17.990 ms  
Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-31 13:56:53

End at: 2018-01-31 13:57:23

Local clock offset: 0.014 ms

Remote clock offset: 0.759 ms

# Below is generated by plot.py at 2018-01-31 19:38:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 2.352 ms

Loss rate: 0.01%

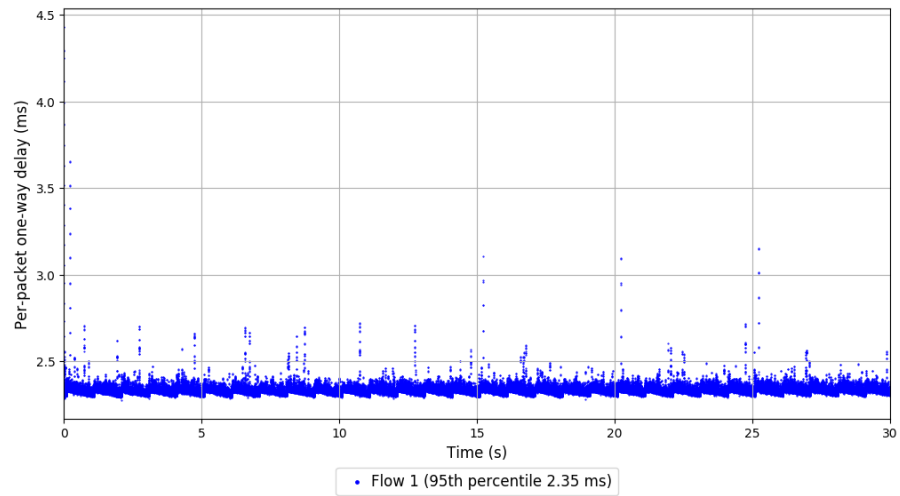
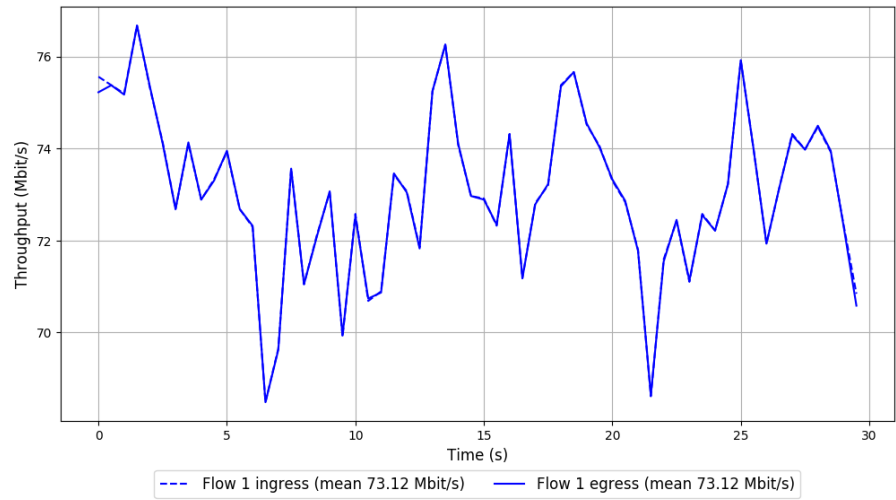
-- Flow 1:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 2.352 ms

Loss rate: 0.01%

### Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-31 14:17:16

End at: 2018-01-31 14:17:46

Local clock offset: 0.045 ms

Remote clock offset: 0.621 ms

# Below is generated by plot.py at 2018-01-31 19:38:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.30 Mbit/s

95th percentile per-packet one-way delay: 2.402 ms

Loss rate: 0.02%

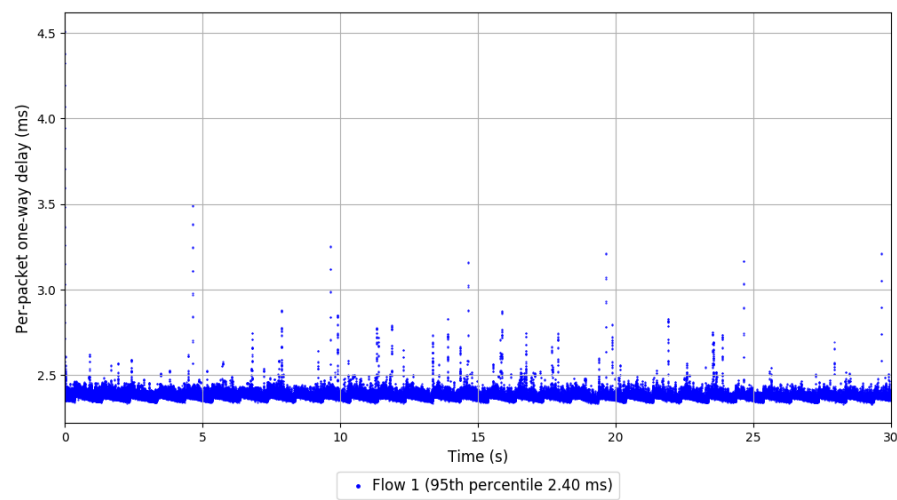
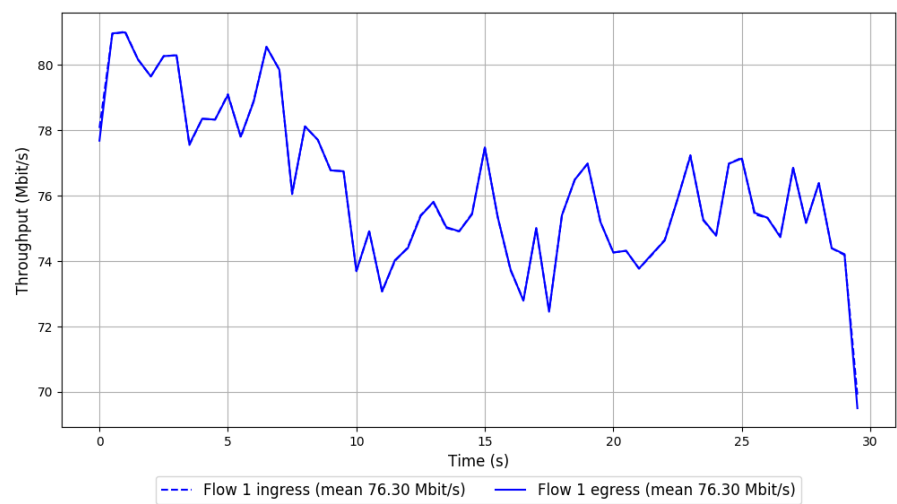
-- Flow 1:

Average throughput: 76.30 Mbit/s

95th percentile per-packet one-way delay: 2.402 ms

Loss rate: 0.02%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-31 14:37:40

End at: 2018-01-31 14:38:10

Local clock offset: 0.08 ms

Remote clock offset: 0.344 ms

# Below is generated by plot.py at 2018-01-31 19:38:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.15 Mbit/s

95th percentile per-packet one-way delay: 2.497 ms

Loss rate: 0.02%

-- Flow 1:

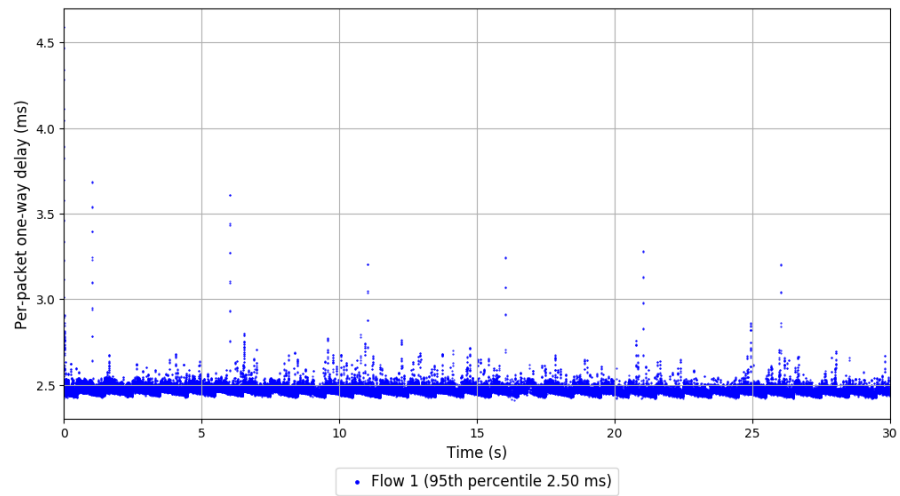
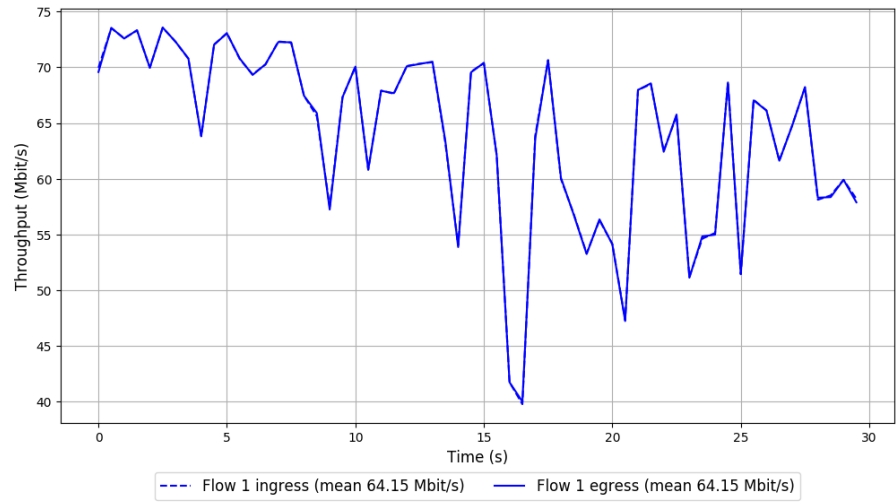
Average throughput: 64.15 Mbit/s

95th percentile per-packet one-way delay: 2.497 ms

Loss rate: 0.02%



### Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-31 14:58:07

End at: 2018-01-31 14:58:37

Local clock offset: 0.159 ms

Remote clock offset: 0.272 ms

# Below is generated by plot.py at 2018-01-31 19:38:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 2.350 ms

Loss rate: 0.02%

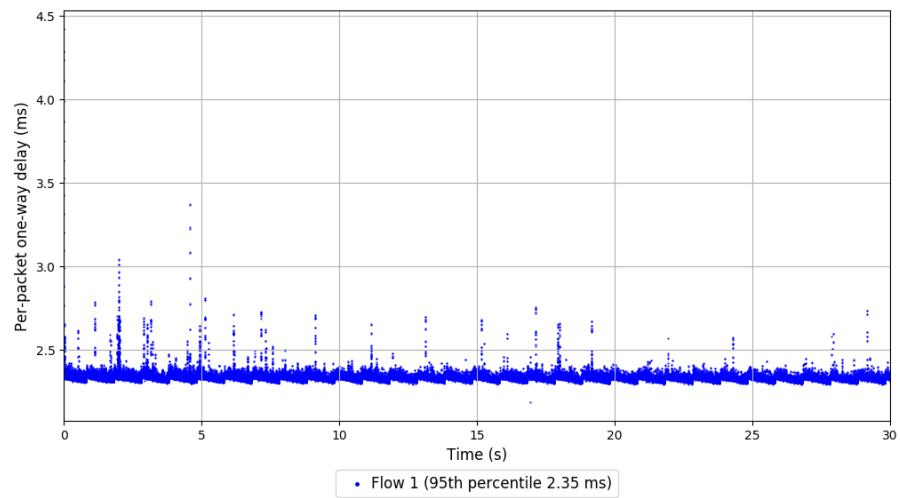
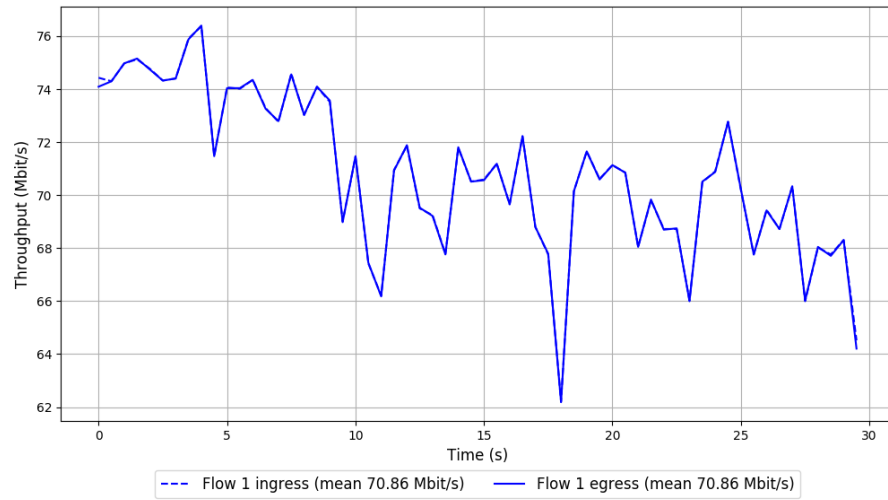
-- Flow 1:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 2.350 ms

Loss rate: 0.02%

## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-31 15:18:26

End at: 2018-01-31 15:18:56

Local clock offset: 0.218 ms

Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2018-01-31 19:38:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 2.398 ms

Loss rate: 0.01%

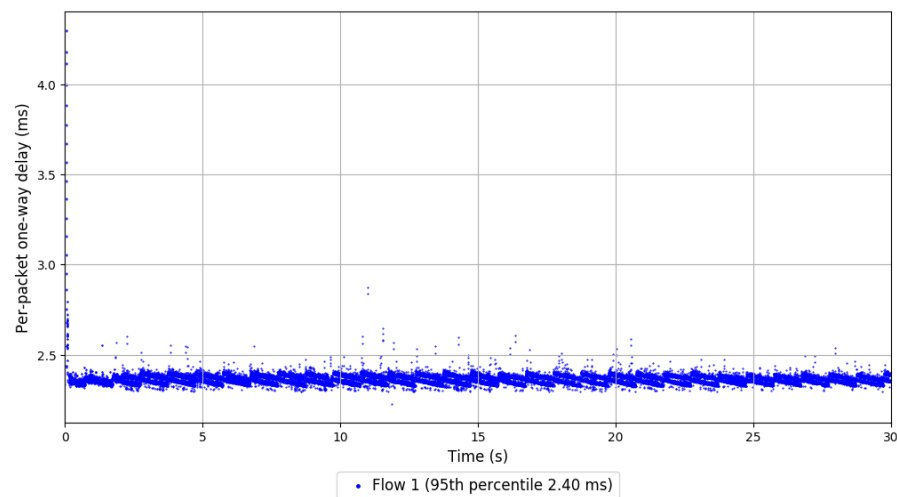
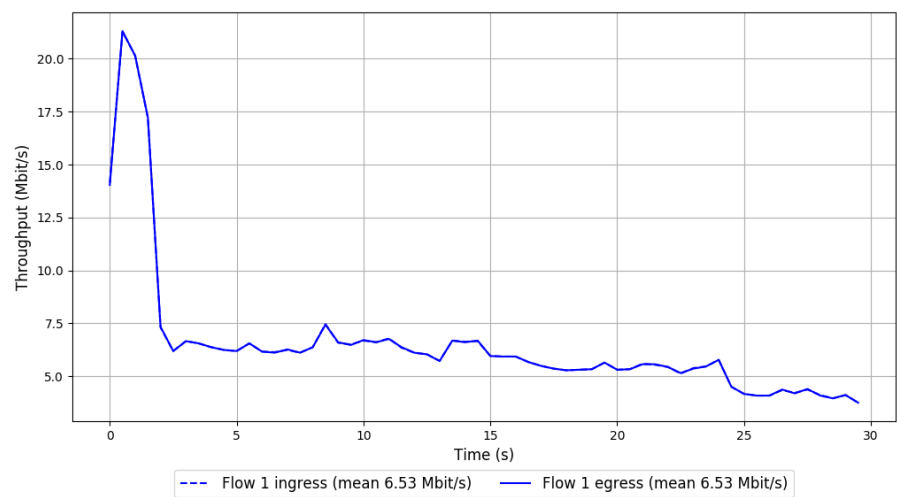
-- Flow 1:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 2.398 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link

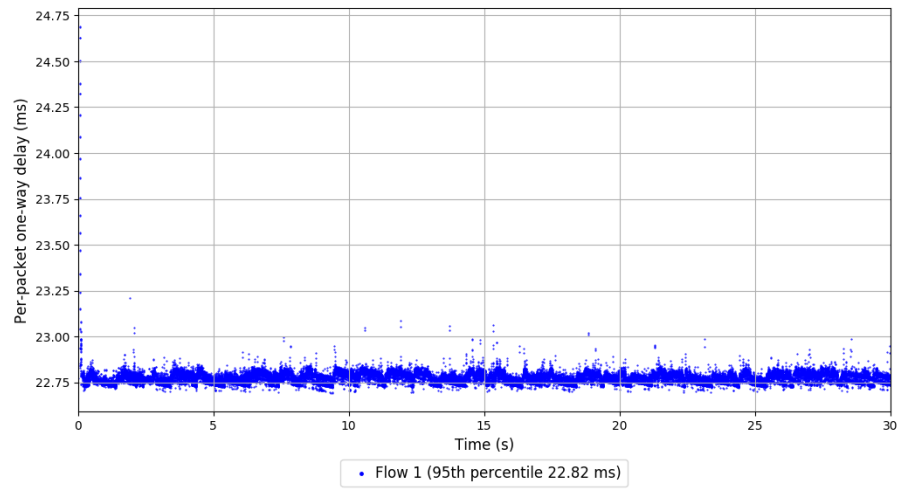
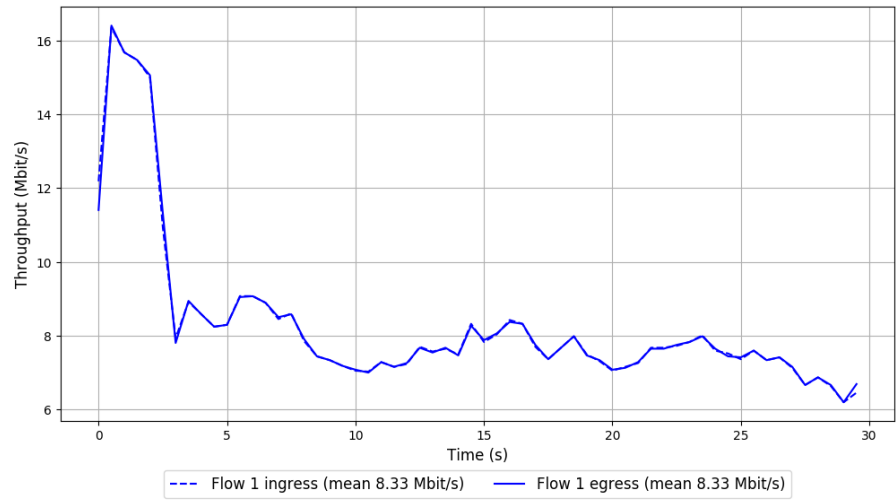


Run 10: Statistics of Copa

Start at: 2018-01-31 15:38:42  
End at: 2018-01-31 15:39:12  
Local clock offset: 0.161 ms  
Remote clock offset: -20.446 ms

# Below is generated by plot.py at 2018-01-31 19:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.33 Mbit/s  
95th percentile per-packet one-way delay: 22.818 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 8.33 Mbit/s  
95th percentile per-packet one-way delay: 22.818 ms  
Loss rate: 0.01%

# Run 10: Report of Copa — Data Link



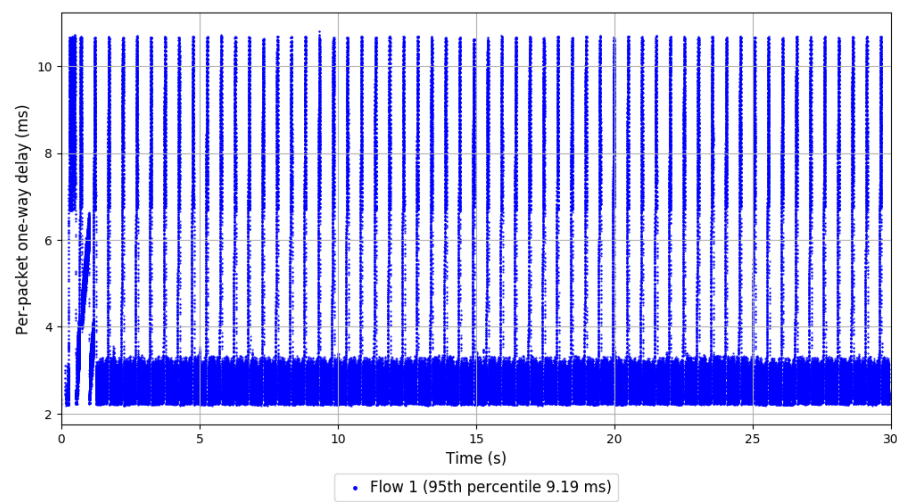
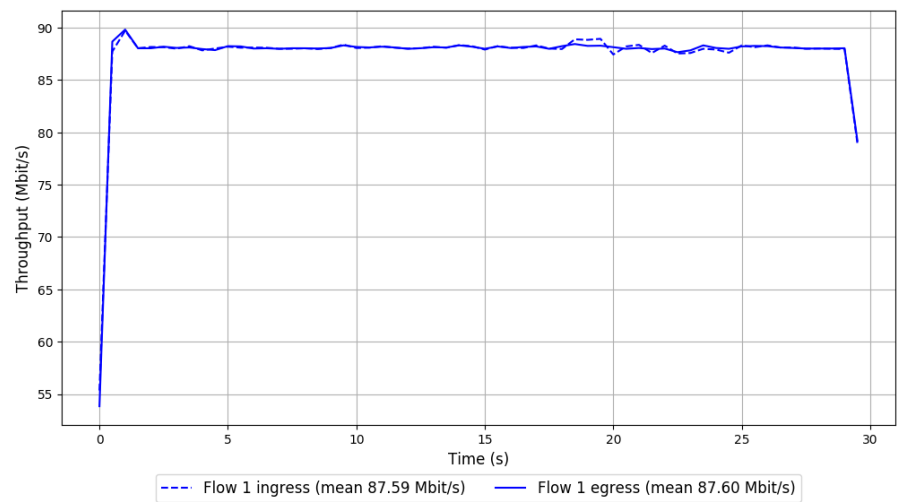
```
Run 1: Statistics of FillP

Start at: 2018-01-31 12:50:26
End at: 2018-01-31 12:50:56
Local clock offset: -0.36 ms
Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2018-01-31 19:39:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 9.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 9.190 ms
Loss rate: 0.00%
```



Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-31 13:10:50

End at: 2018-01-31 13:11:20

Local clock offset: -0.141 ms

Remote clock offset: 0.438 ms

# Below is generated by plot.py at 2018-01-31 19:40:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 9.192 ms

Loss rate: 0.04%

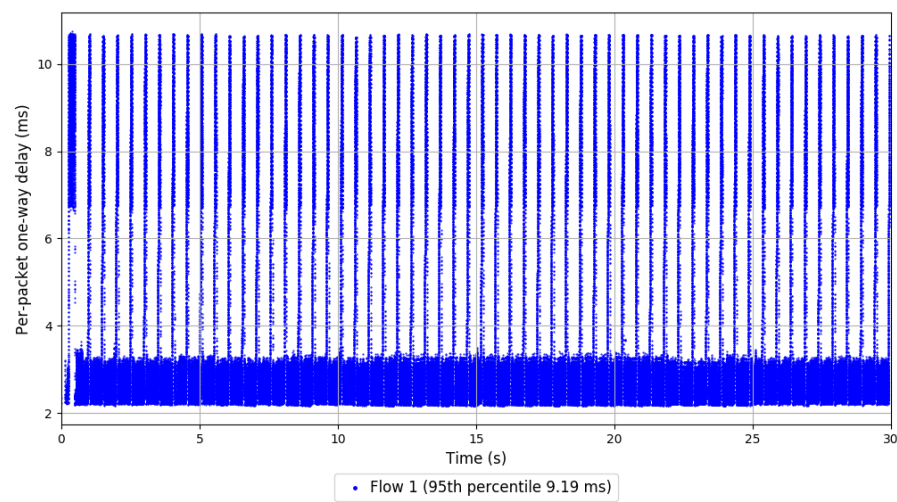
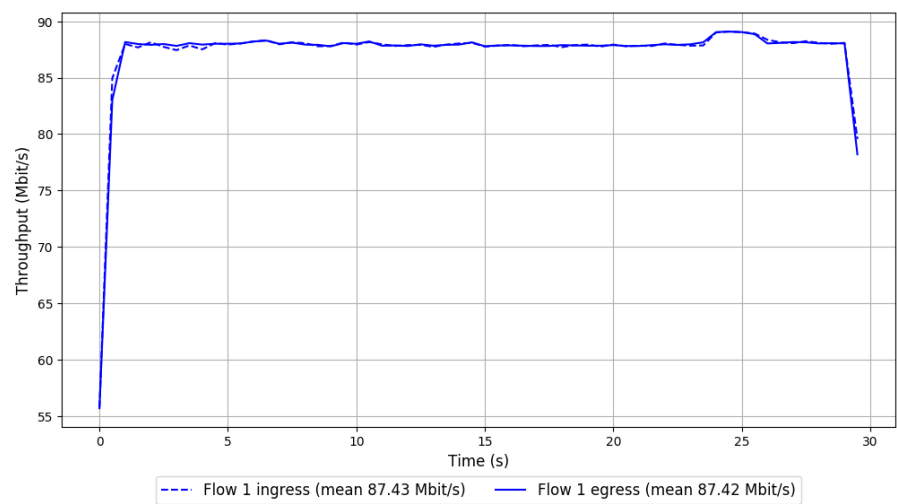
-- Flow 1:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 9.192 ms

Loss rate: 0.04%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-31 13:30:57

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

Local clock offset: -0.059 ms

Remote clock offset: 0.594 ms

# Below is generated by plot.py at 2018-01-31 19:40:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 9.178 ms

Loss rate: 0.00%

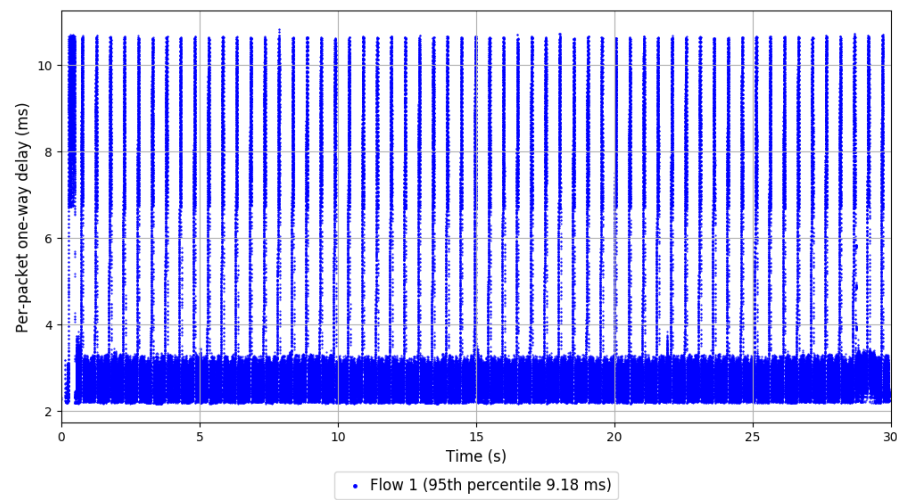
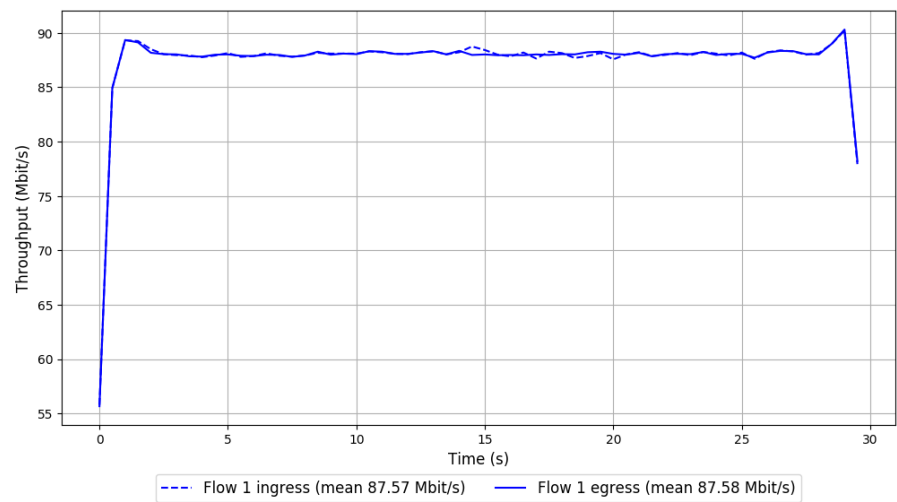
-- Flow 1:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 9.178 ms

Loss rate: 0.00%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-31 13:51:15

End at: 2018-01-31 13:51:46

Local clock offset: -0.056 ms

Remote clock offset: 0.636 ms

# Below is generated by plot.py at 2018-01-31 19:40:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 9.192 ms

Loss rate: 0.02%

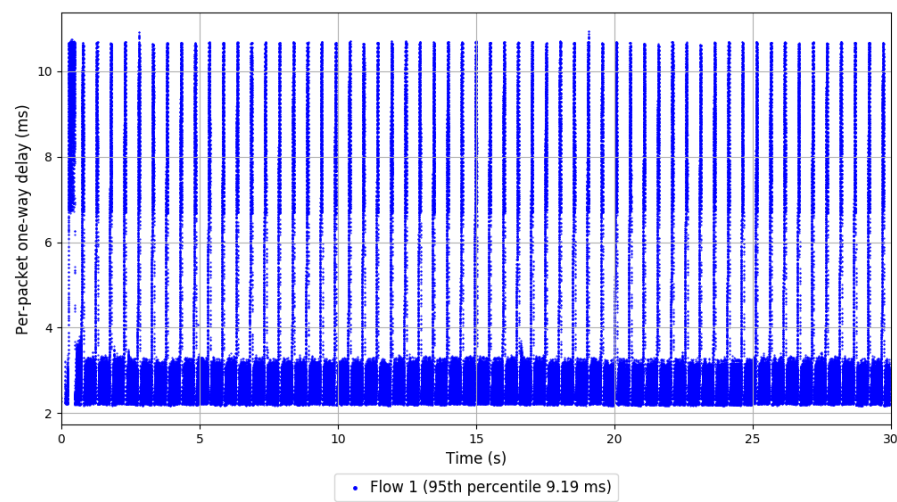
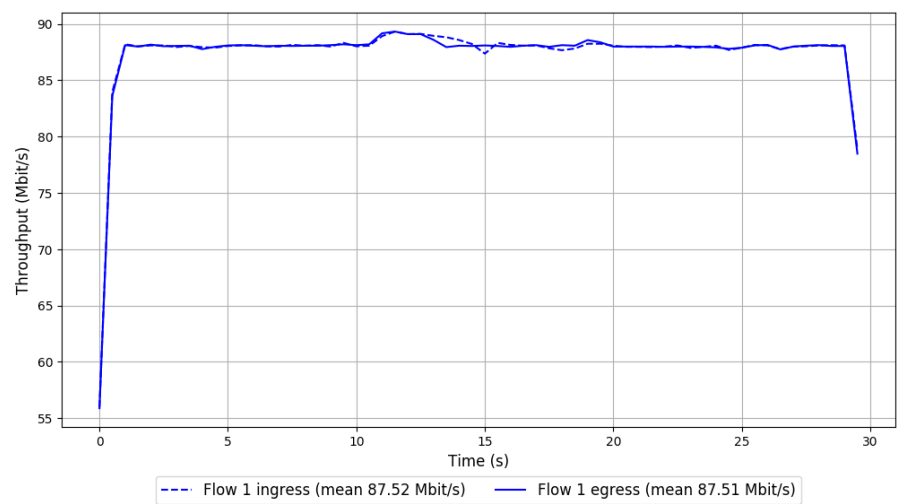
-- Flow 1:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 9.192 ms

Loss rate: 0.02%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-31 14:11:34

End at: 2018-01-31 14:12:04

Local clock offset: 0.042 ms

Remote clock offset: 0.761 ms

# Below is generated by plot.py at 2018-01-31 19:40:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 9.185 ms

Loss rate: 0.00%

-- Flow 1:

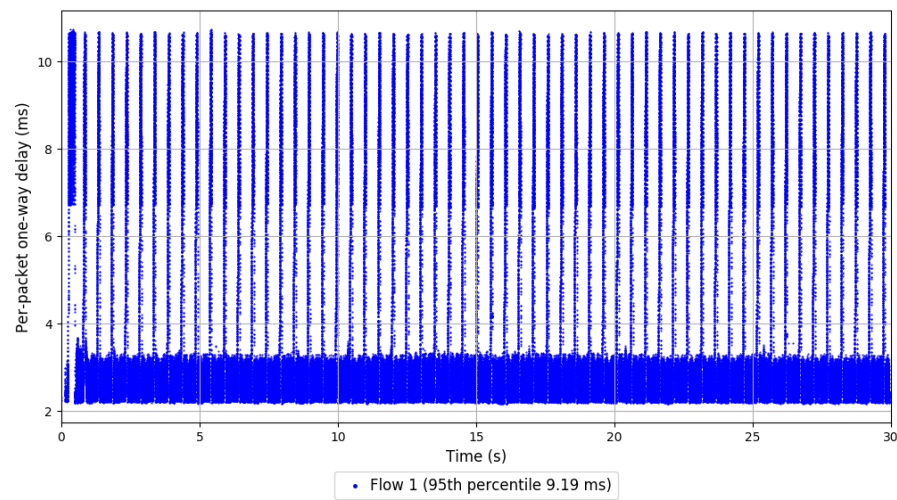
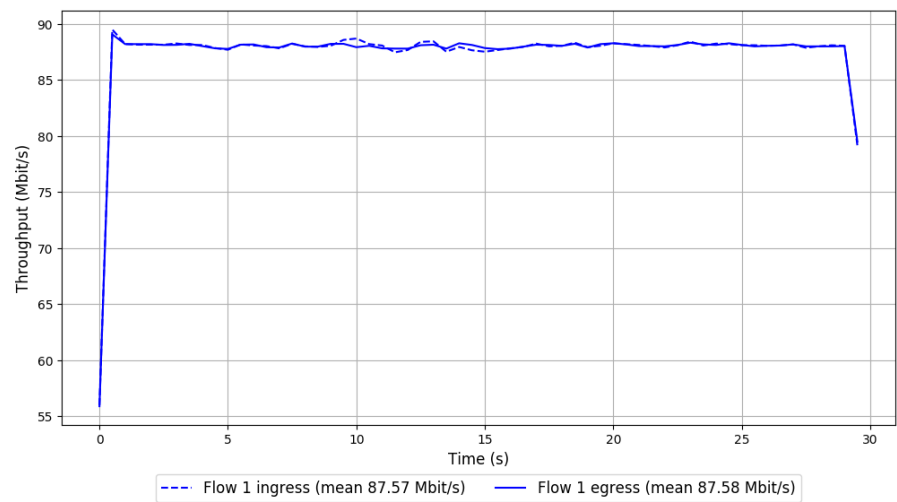
Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 9.185 ms

Loss rate: 0.00%



Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-31 14:32:02

End at: 2018-01-31 14:32:32

Local clock offset: 0.001 ms

Remote clock offset: 0.467 ms

# Below is generated by plot.py at 2018-01-31 19:40:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 9.156 ms

Loss rate: 0.02%

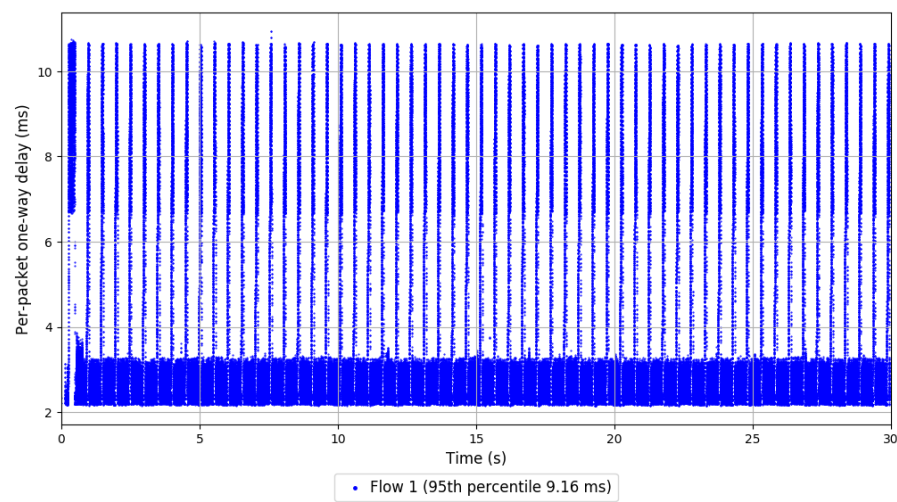
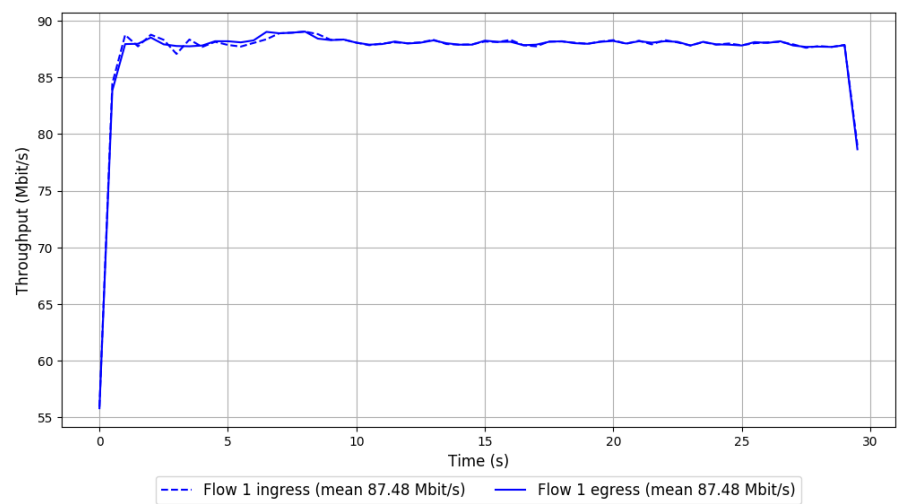
-- Flow 1:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 9.156 ms

Loss rate: 0.02%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-31 14:52:29

End at: 2018-01-31 14:52:59

Local clock offset: 0.121 ms

Remote clock offset: 0.338 ms

# Below is generated by plot.py at 2018-01-31 19:40:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 9.257 ms

Loss rate: 0.04%

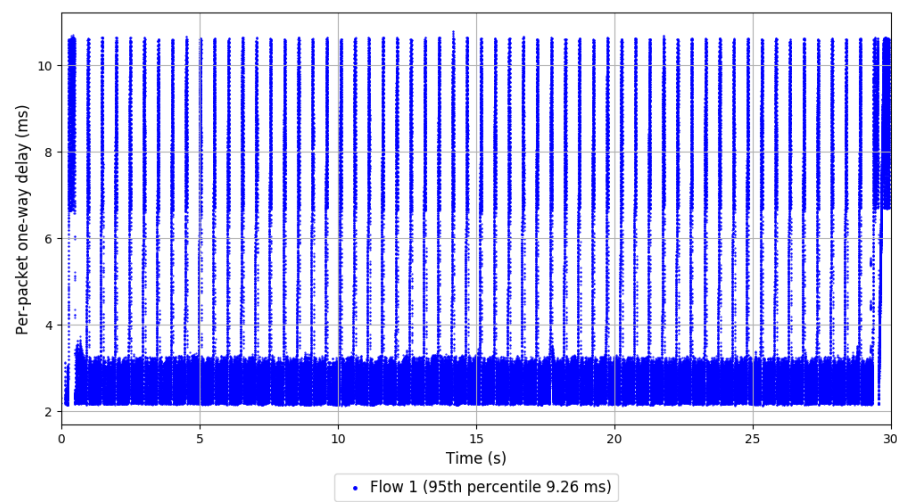
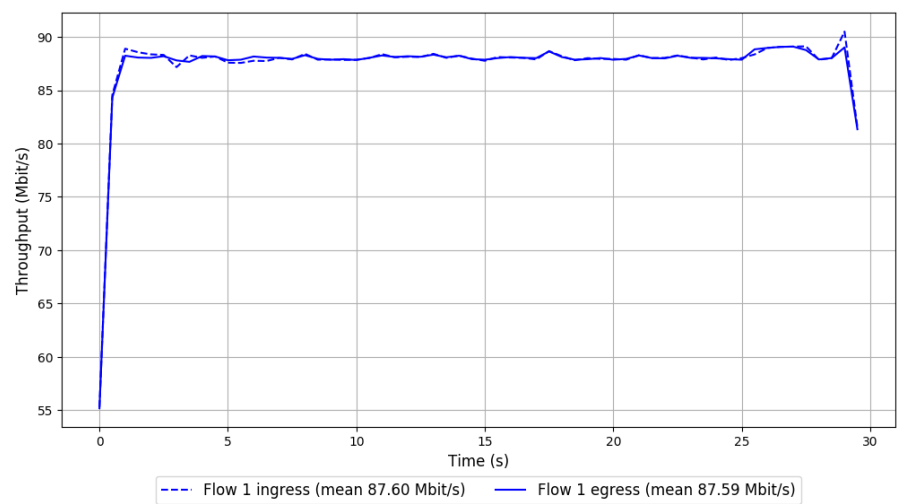
-- Flow 1:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 9.257 ms

Loss rate: 0.04%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-31 15:12:53

End at: 2018-01-31 15:13:23

Local clock offset: 0.205 ms

Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2018-01-31 19:40:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.65 Mbit/s

95th percentile per-packet one-way delay: 9.229 ms

Loss rate: 0.02%

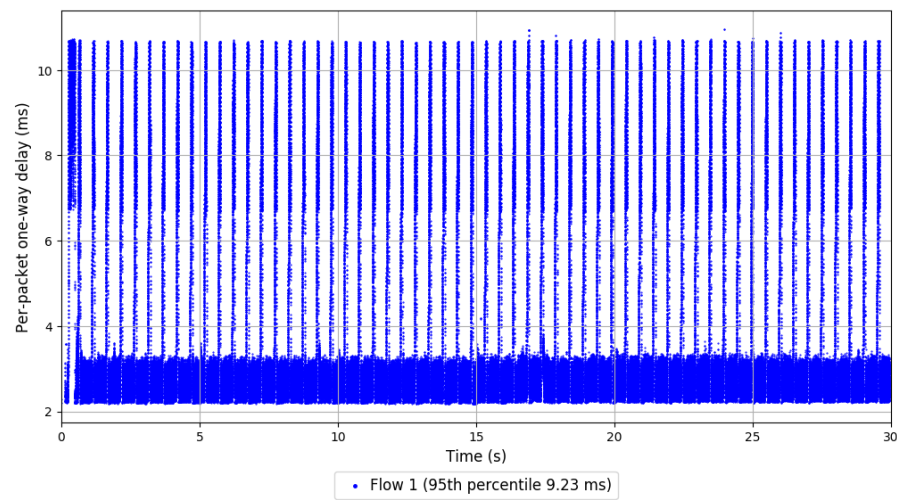
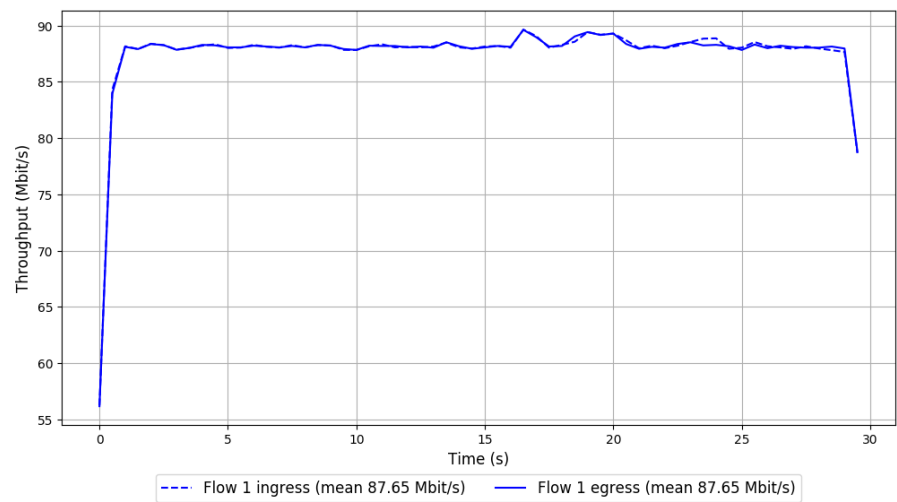
-- Flow 1:

Average throughput: 87.65 Mbit/s

95th percentile per-packet one-way delay: 9.229 ms

Loss rate: 0.02%

Run 8: Report of FillP — Data Link



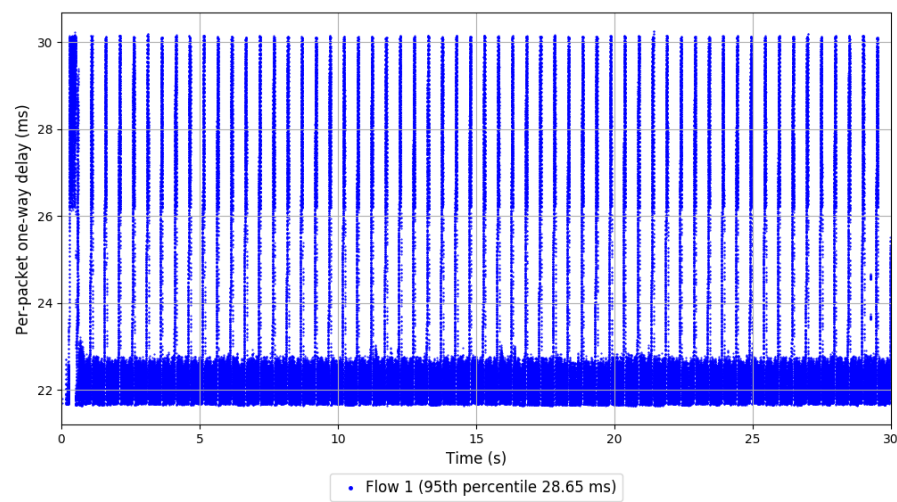
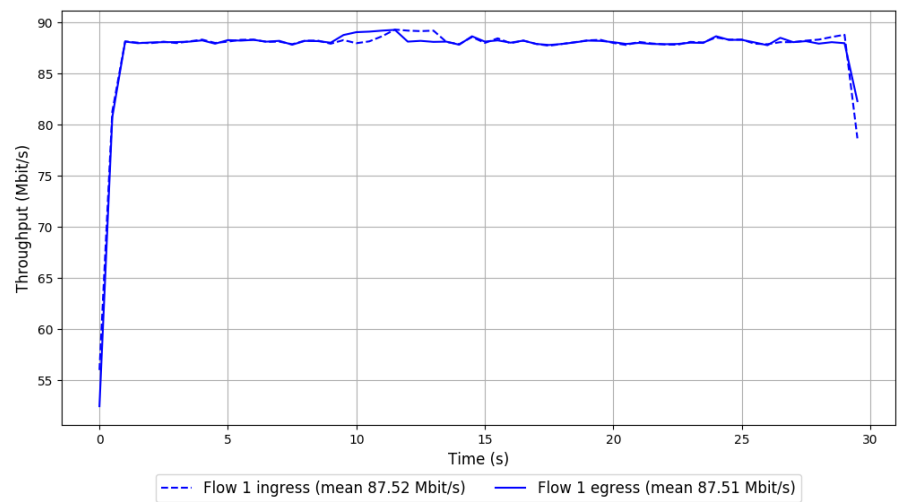
Run 9: Statistics of FillP

Start at: 2018-01-31 15:33:04  
End at: 2018-01-31 15:33:34  
Local clock offset: 0.13 ms  
Remote clock offset: -19.528 ms

# Below is generated by plot.py at 2018-01-31 19:41:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.51 Mbit/s  
95th percentile per-packet one-way delay: 28.652 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 87.51 Mbit/s  
95th percentile per-packet one-way delay: 28.652 ms  
Loss rate: 0.03%



Run 9: Report of FillP — Data Link

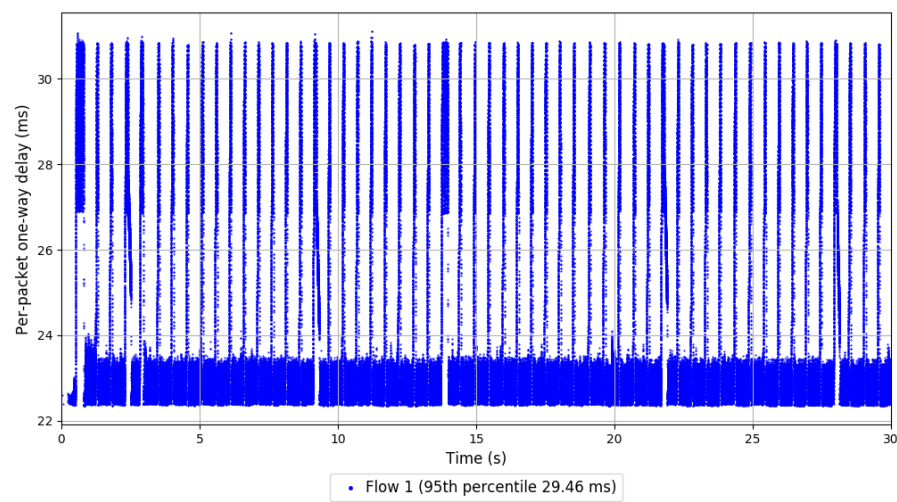
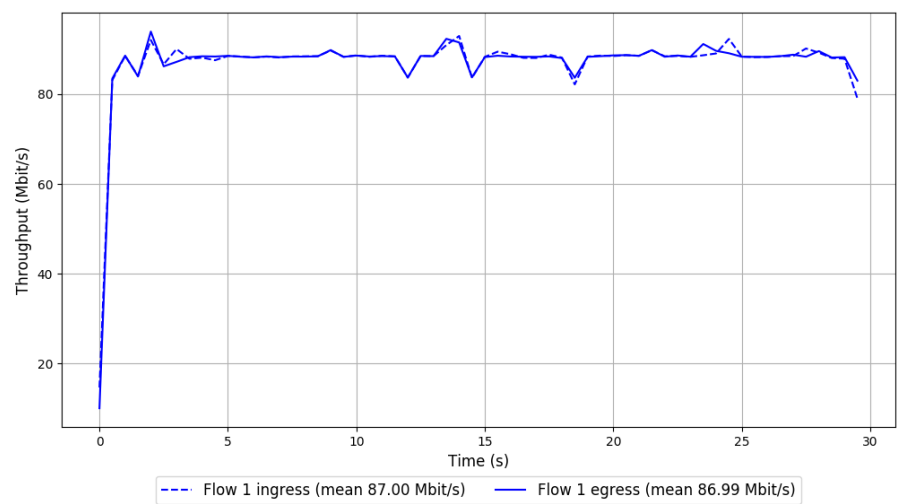


Run 10: Statistics of FillP

Start at: 2018-01-31 15:53:22  
End at: 2018-01-31 15:53:52  
Local clock offset: 0.169 ms  
Remote clock offset: -20.235 ms

# Below is generated by plot.py at 2018-01-31 19:42:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.99 Mbit/s  
95th percentile per-packet one-way delay: 29.458 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 86.99 Mbit/s  
95th percentile per-packet one-way delay: 29.458 ms  
Loss rate: 0.02%

Run 10: Report of FillP — Data Link

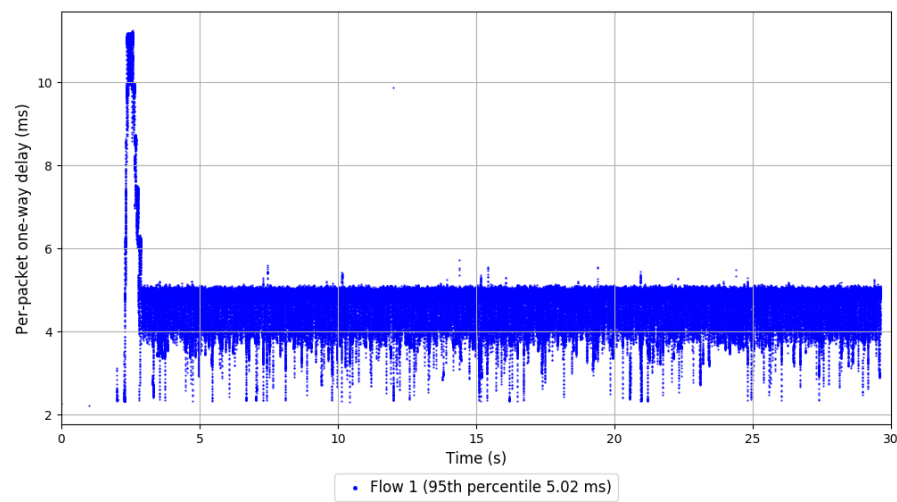
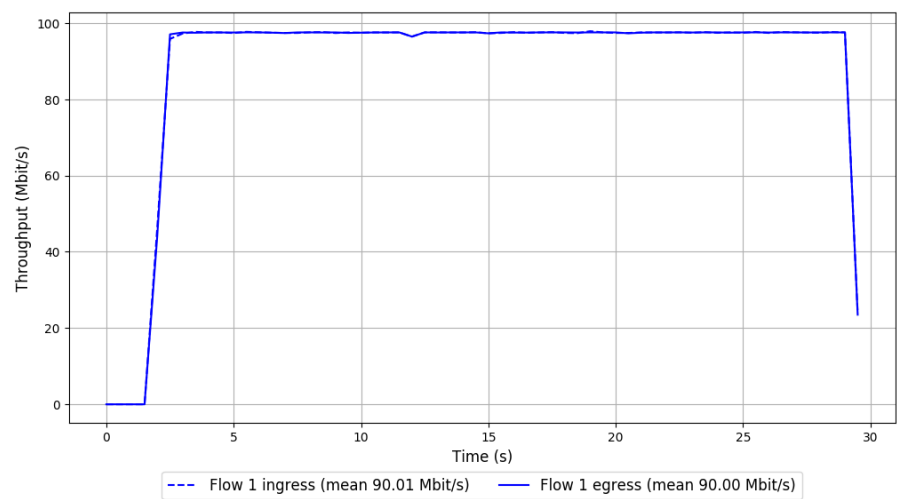


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-31 12:39:10
End at: 2018-01-31 12:39:40
Local clock offset: -0.416 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-01-31 19:42:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 5.022 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 5.022 ms
Loss rate: 0.03%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-31 12:59:31

End at: 2018-01-31 13:00:01

Local clock offset: -0.325 ms

Remote clock offset: 0.243 ms

# Below is generated by plot.py at 2018-01-31 19:42:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.23 Mbit/s

95th percentile per-packet one-way delay: 5.044 ms

Loss rate: 0.02%

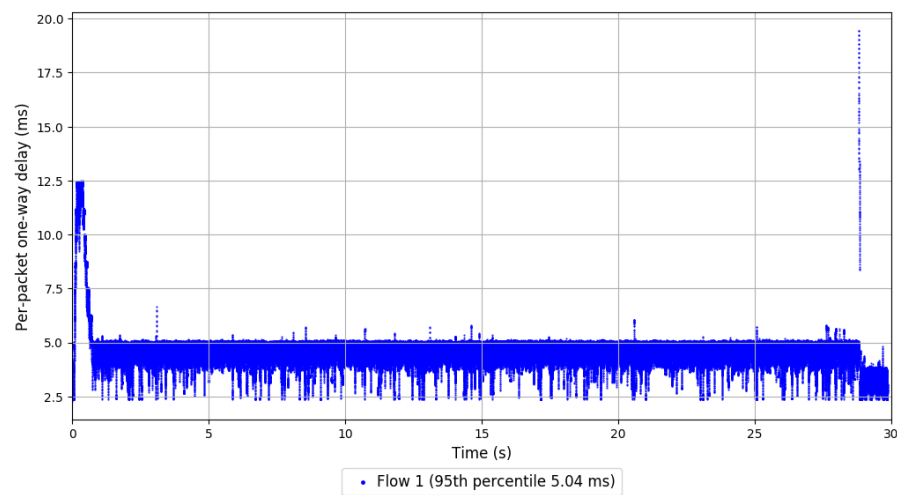
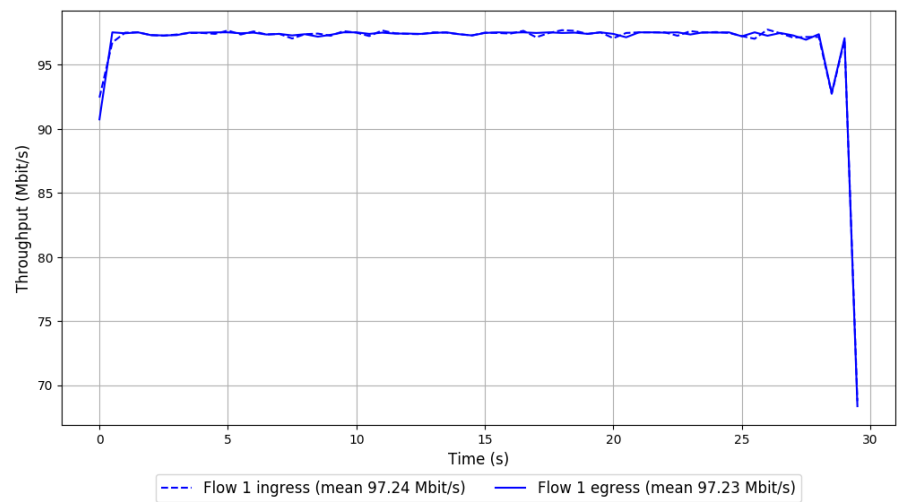
-- Flow 1:

Average throughput: 97.23 Mbit/s

95th percentile per-packet one-way delay: 5.044 ms

Loss rate: 0.02%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-31 13:19:50

End at: 2018-01-31 13:20:20

Local clock offset: -0.076 ms

Remote clock offset: 0.488 ms

# Below is generated by plot.py at 2018-01-31 19:42:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.99 Mbit/s

95th percentile per-packet one-way delay: 4.201 ms

Loss rate: 0.00%

-- Flow 1:

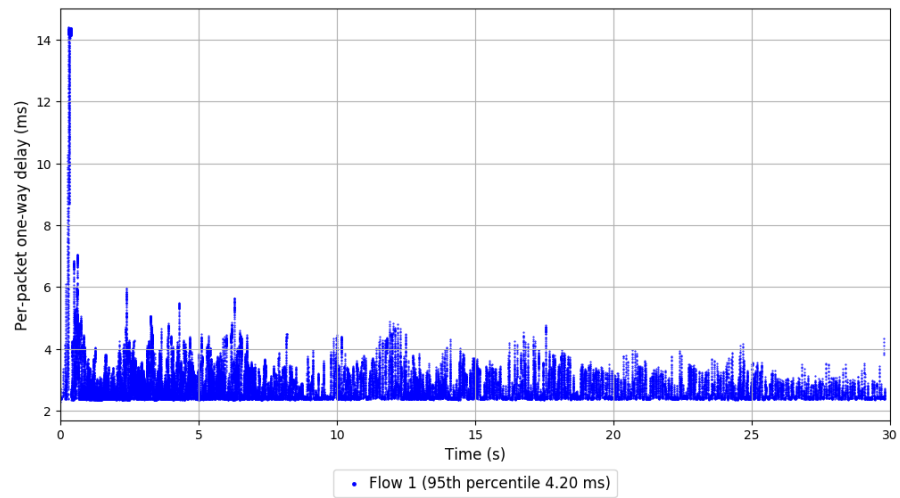
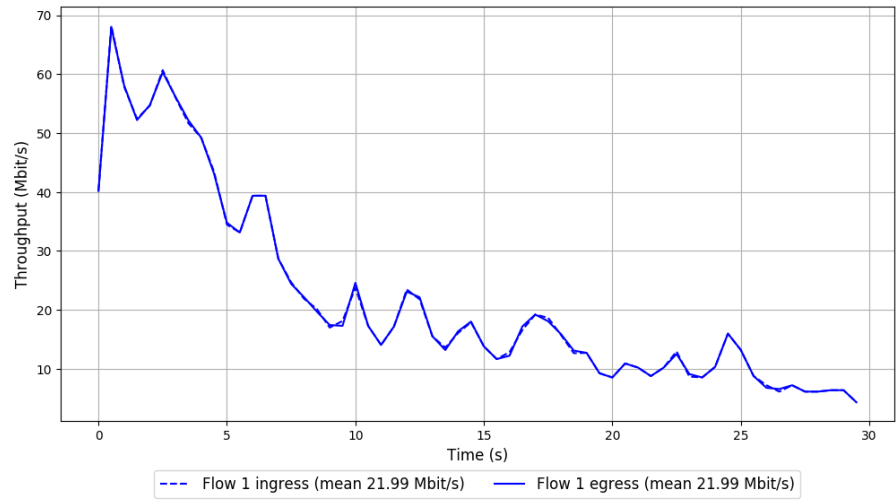
Average throughput: 21.99 Mbit/s

95th percentile per-packet one-way delay: 4.201 ms

Loss rate: 0.00%



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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-31 13:40:01

End at: 2018-01-31 13:40:31

Local clock offset: -0.026 ms

Remote clock offset: 0.634 ms

# Below is generated by plot.py at 2018-01-31 19:42:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 4.997 ms

Loss rate: 0.02%

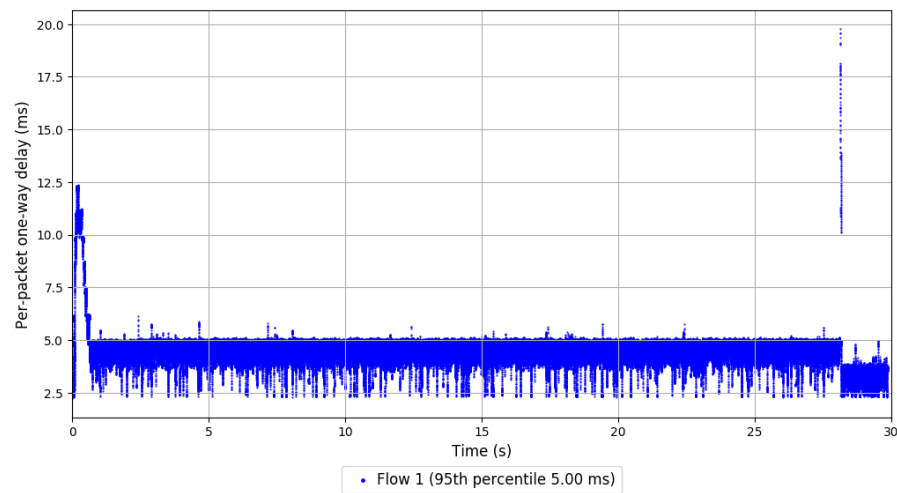
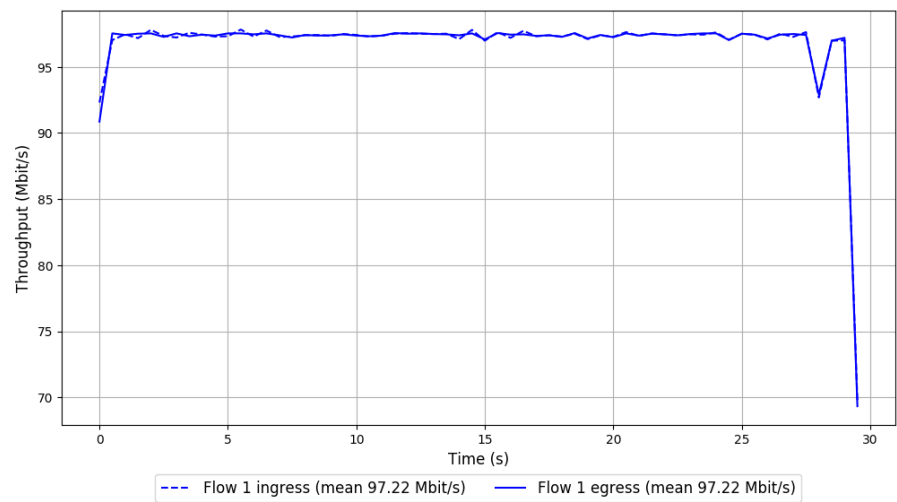
-- Flow 1:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 4.997 ms

Loss rate: 0.02%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-31 14:00:21

End at: 2018-01-31 14:00:51

Local clock offset: 0.012 ms

Remote clock offset: 0.804 ms

# Below is generated by plot.py at 2018-01-31 19:42:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 4.995 ms

Loss rate: 0.02%

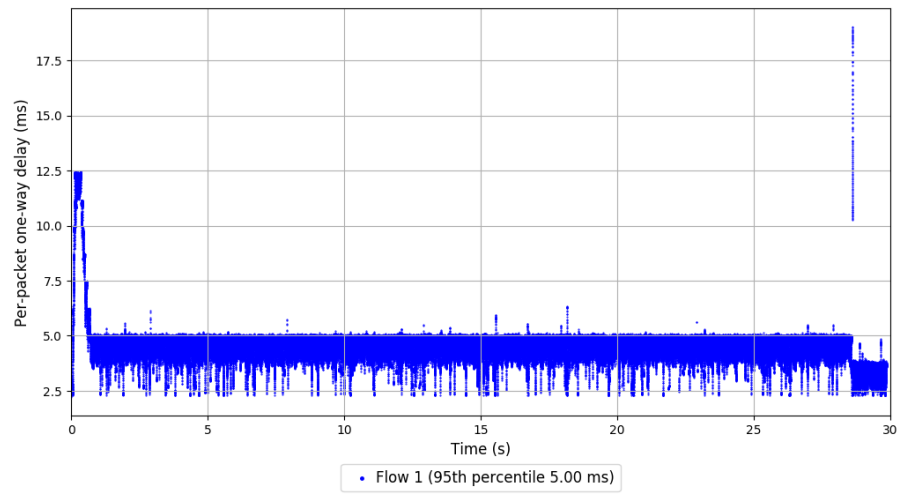
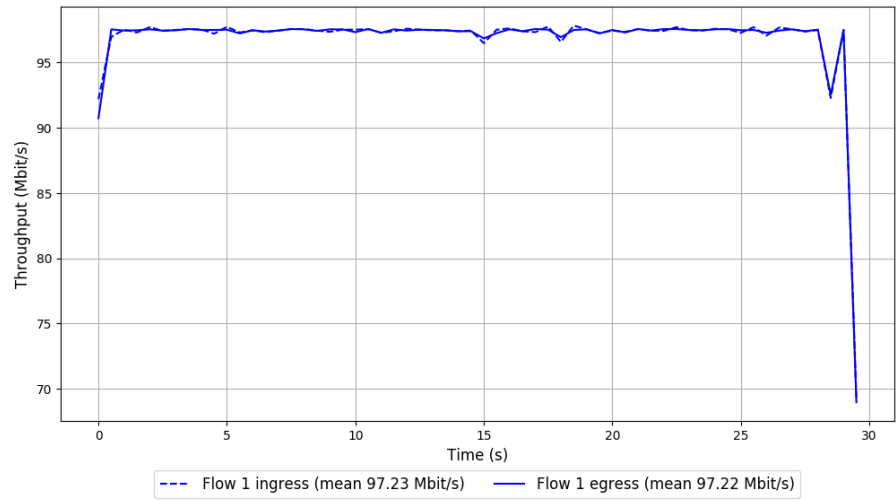
-- Flow 1:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 4.995 ms

Loss rate: 0.02%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-31 14:20:43

End at: 2018-01-31 14:21:13

Local clock offset: 0.059 ms

Remote clock offset: 0.567 ms

# Below is generated by plot.py at 2018-01-31 19:42:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 5.087 ms

Loss rate: 0.02%

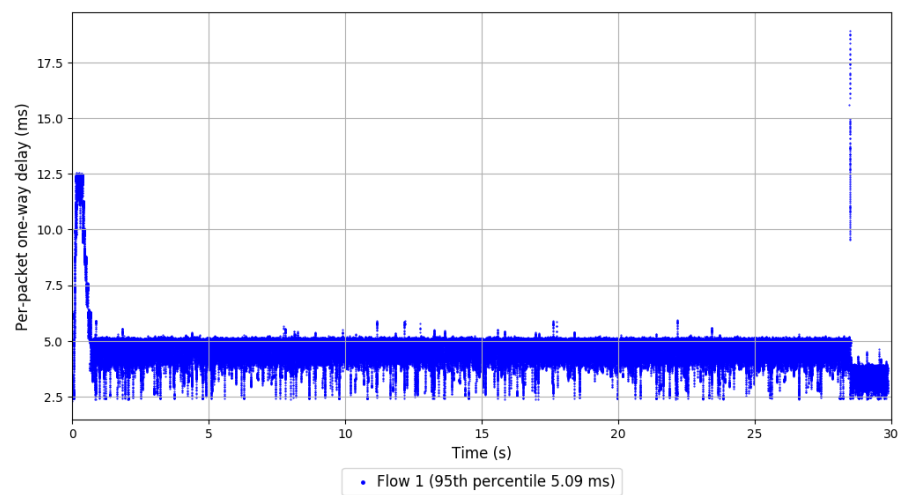
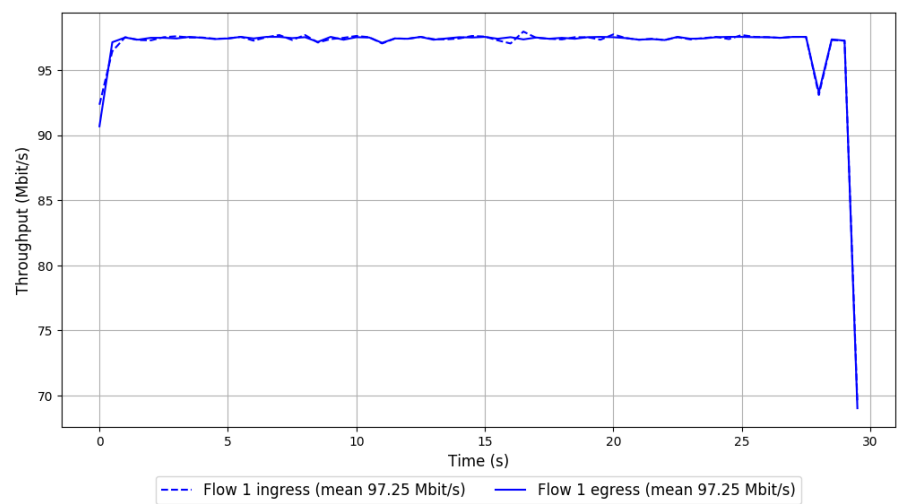
-- Flow 1:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 5.087 ms

Loss rate: 0.02%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-31 14:41:06

End at: 2018-01-31 14:41:36

Local clock offset: 0.015 ms

Remote clock offset: 0.463 ms

# Below is generated by plot.py at 2018-01-31 19:42:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 4.893 ms

Loss rate: 0.01%

-- Flow 1:

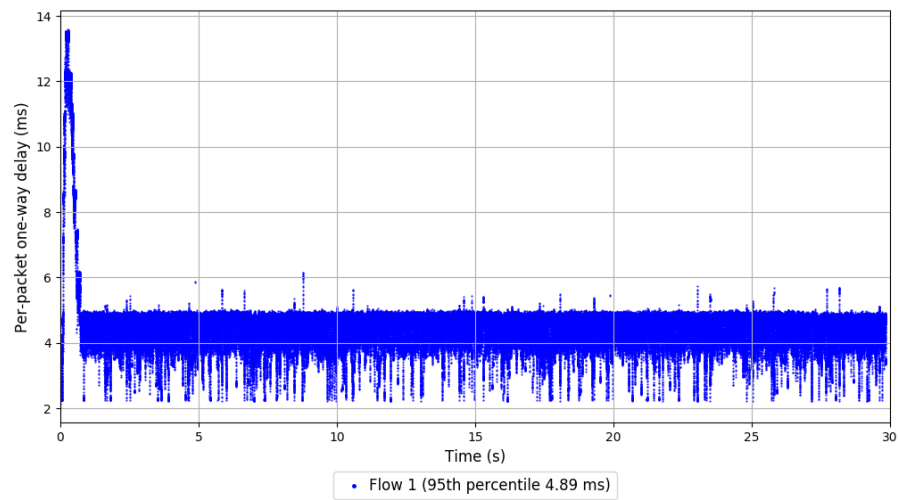
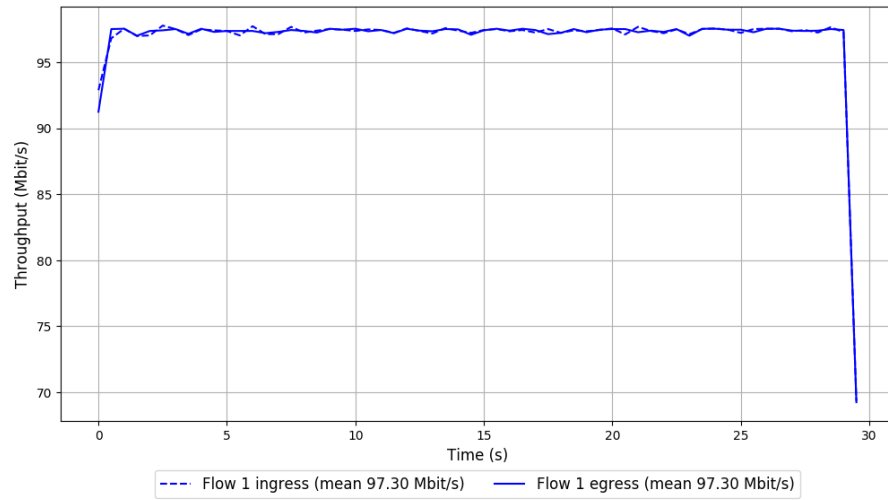
Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 4.893 ms

Loss rate: 0.01%



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



Run 8: Statistics of Indigo-1-32

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

End at: 2018-01-31 15:02:04

Local clock offset: 0.158 ms

Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2018-01-31 19:42:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 5.038 ms

Loss rate: 0.02%

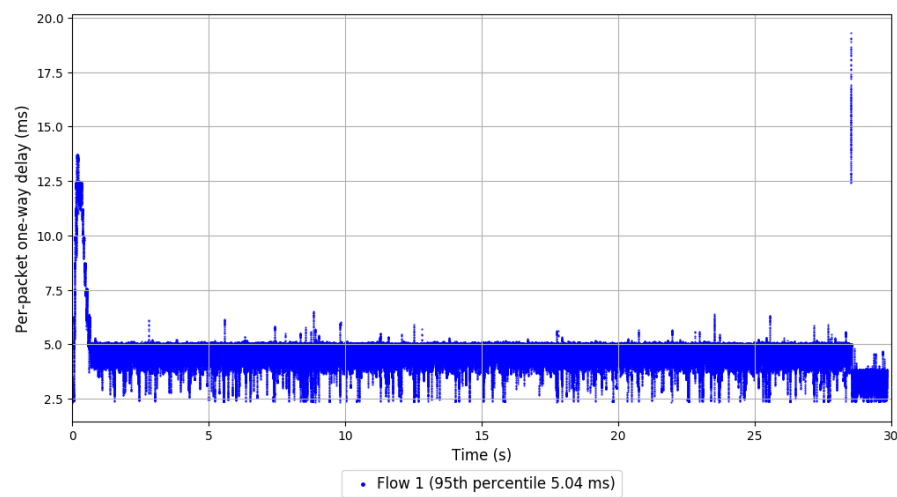
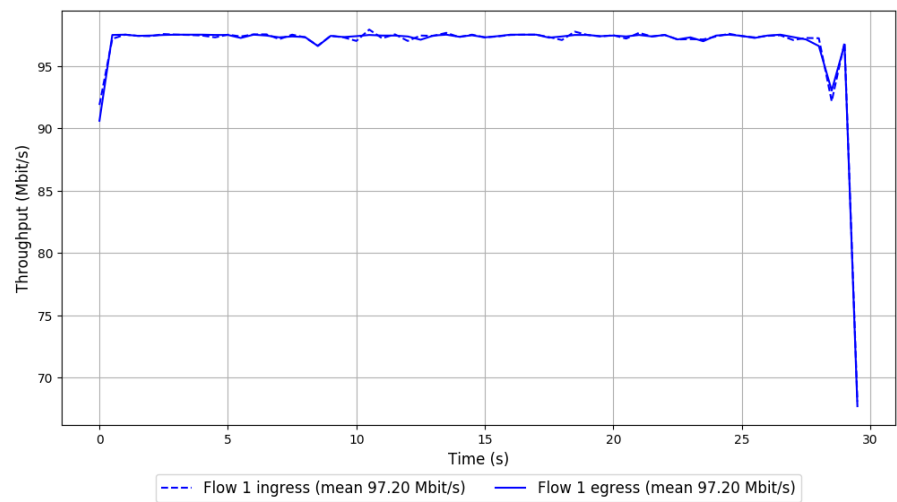
-- Flow 1:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 5.038 ms

Loss rate: 0.02%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-31 15:21:45

End at: 2018-01-31 15:22:15

Local clock offset: 0.195 ms

Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-01-31 19:43:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 4.993 ms

Loss rate: 0.02%

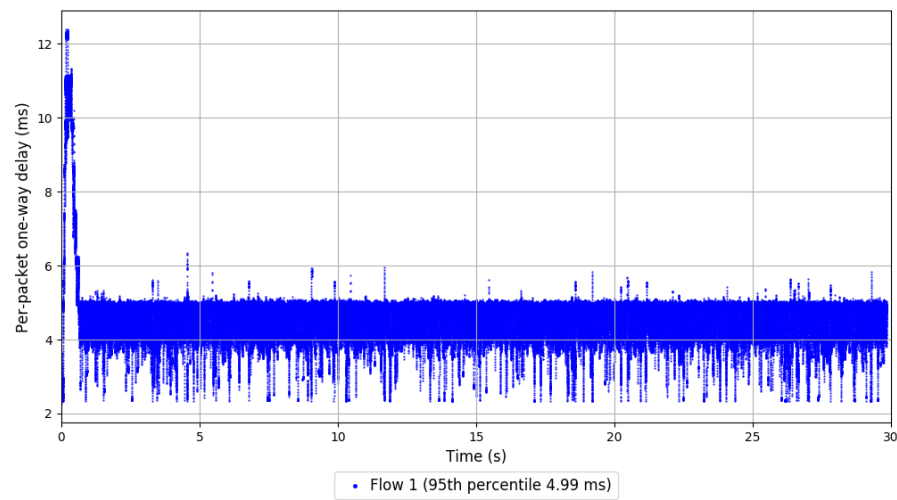
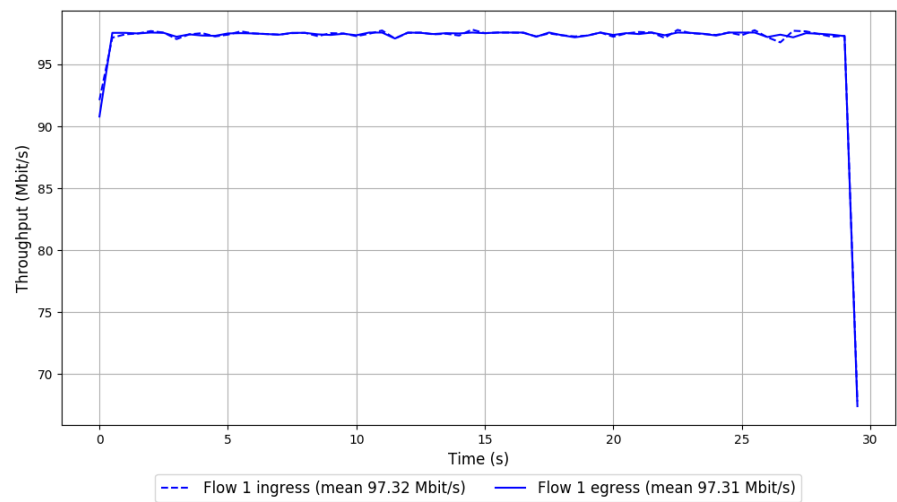
-- Flow 1:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 4.993 ms

Loss rate: 0.02%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-31 15:42:03

End at: 2018-01-31 15:42:33

Local clock offset: 0.188 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-01-31 19:43:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 5.002 ms

Loss rate: 0.02%

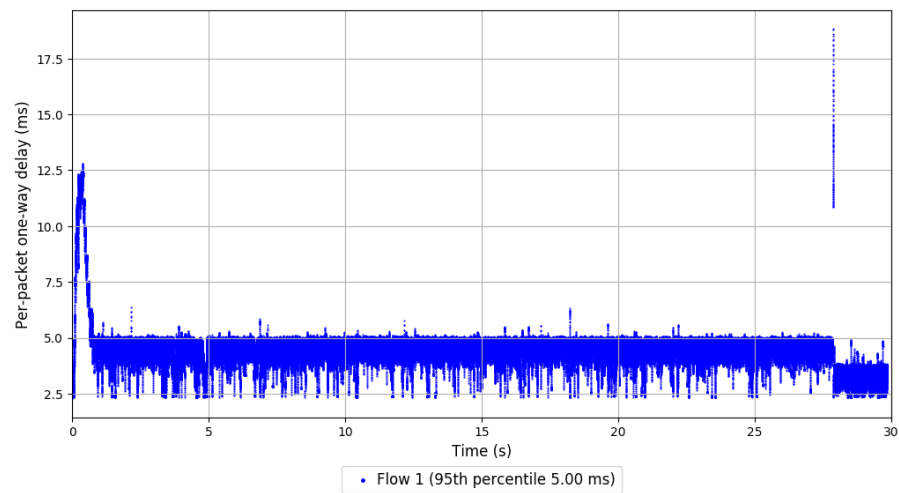
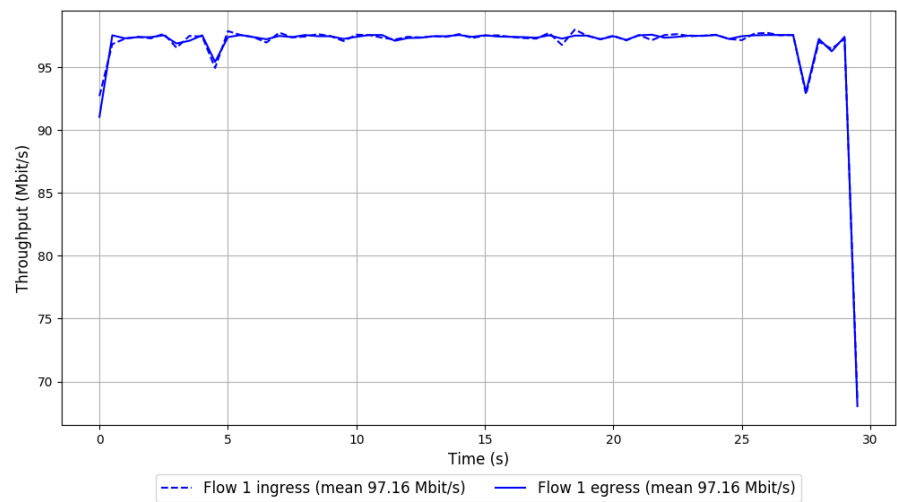
-- Flow 1:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 5.002 ms

Loss rate: 0.02%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-01-31 12:45:52

End at: 2018-01-31 12:46:22

Local clock offset: -0.368 ms

Remote clock offset: 0.158 ms

# Below is generated by plot.py at 2018-01-31 19:43:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.48 Mbit/s

95th percentile per-packet one-way delay: 4.301 ms

Loss rate: 0.00%

-- Flow 1:

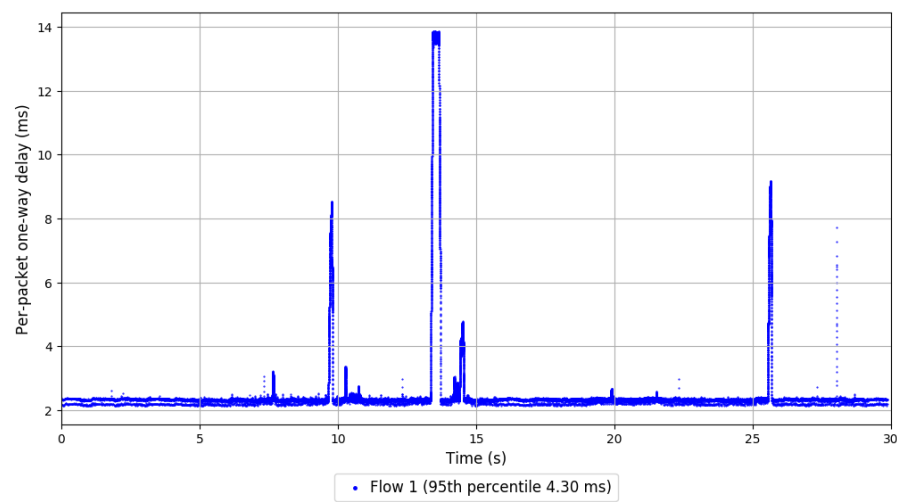
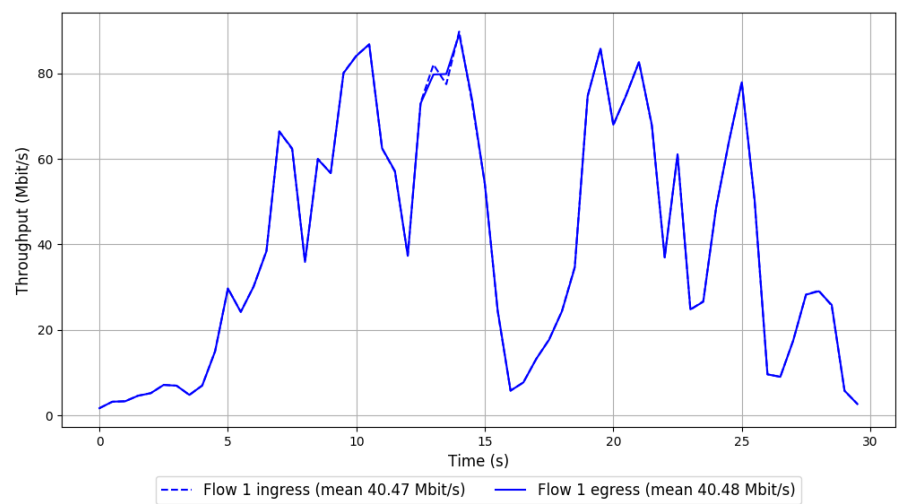
Average throughput: 40.48 Mbit/s

95th percentile per-packet one-way delay: 4.301 ms

Loss rate: 0.00%



Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-31 13:06:13

End at: 2018-01-31 13:06:43

Local clock offset: -0.2 ms

Remote clock offset: 0.38 ms

# Below is generated by plot.py at 2018-01-31 19:43:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 2.408 ms

Loss rate: 0.02%

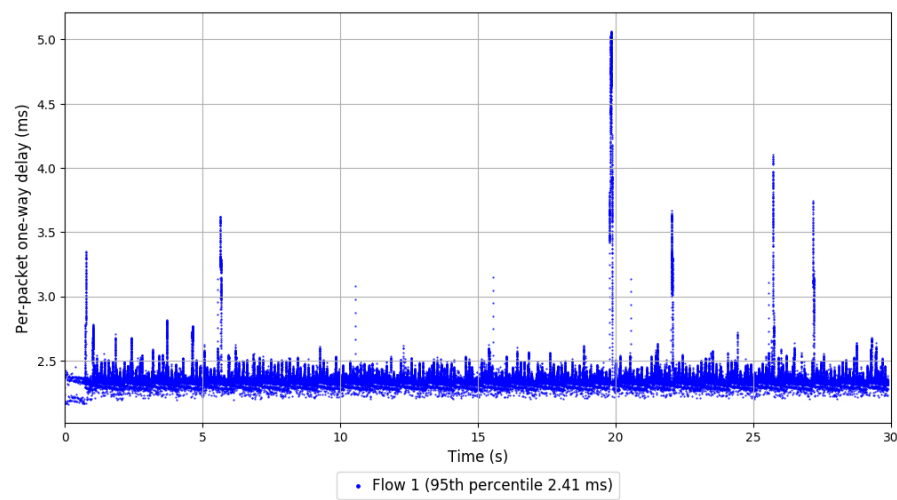
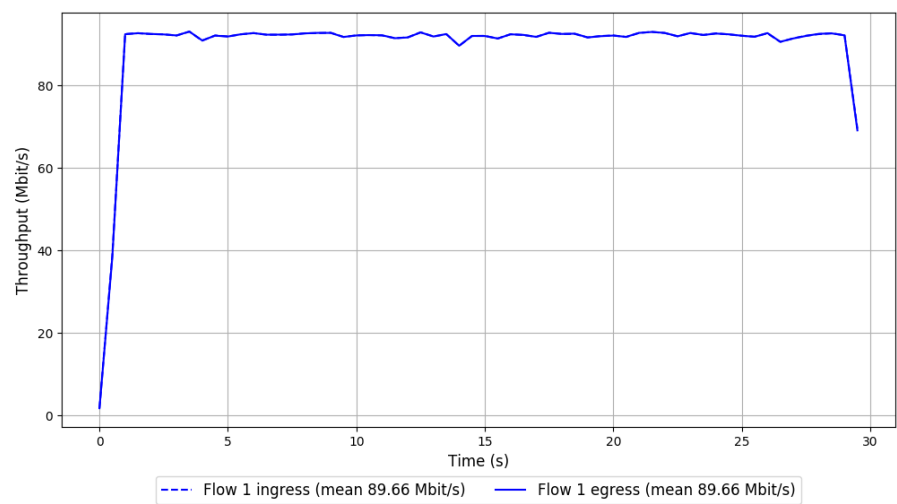
-- Flow 1:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 2.408 ms

Loss rate: 0.02%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-31 13:26:25

End at: 2018-01-31 13:26:55

Local clock offset: -0.119 ms

Remote clock offset: 0.546 ms

# Below is generated by plot.py at 2018-01-31 19:43:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.06 Mbit/s

95th percentile per-packet one-way delay: 2.335 ms

Loss rate: 0.02%

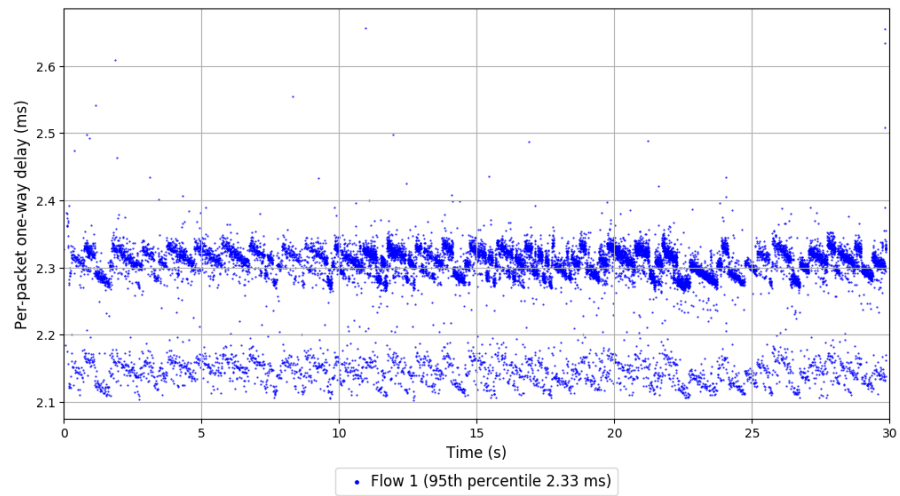
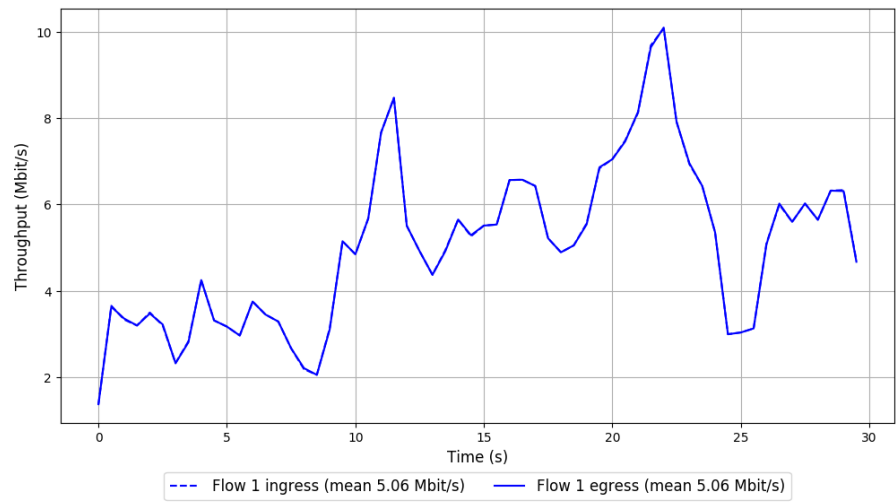
-- Flow 1:

Average throughput: 5.06 Mbit/s

95th percentile per-packet one-way delay: 2.335 ms

Loss rate: 0.02%

### Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-31 13:46:42

End at: 2018-01-31 13:47:12

Local clock offset: 0.004 ms

Remote clock offset: 0.609 ms

# Below is generated by plot.py at 2018-01-31 19:43:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 2.469 ms

Loss rate: 0.02%

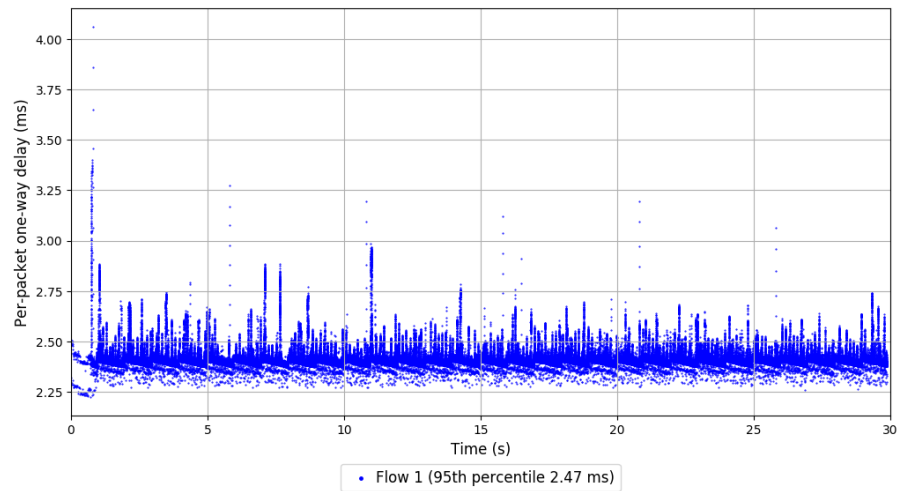
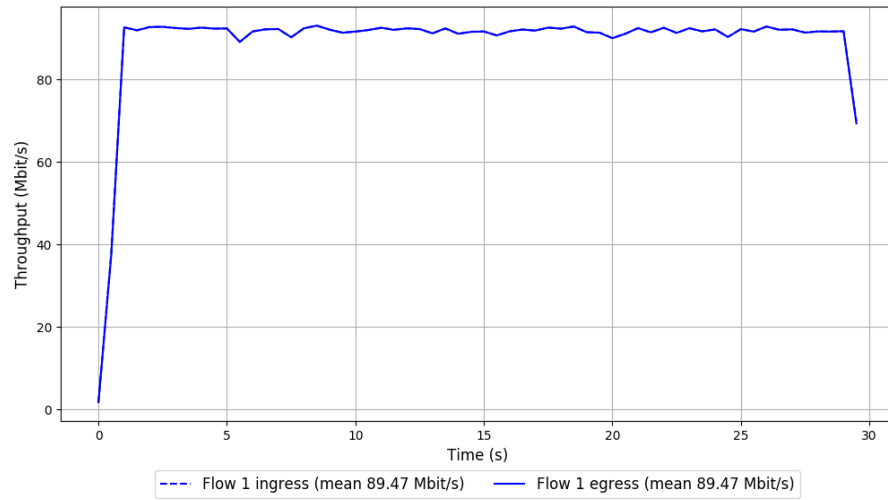
-- Flow 1:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 2.469 ms

Loss rate: 0.02%

#### Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-31 14:06:59

End at: 2018-01-31 14:07:29

Local clock offset: -0.042 ms

Remote clock offset: 0.834 ms

# Below is generated by plot.py at 2018-01-31 19:43:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 2.351 ms

Loss rate: 0.02%

-- Flow 1:

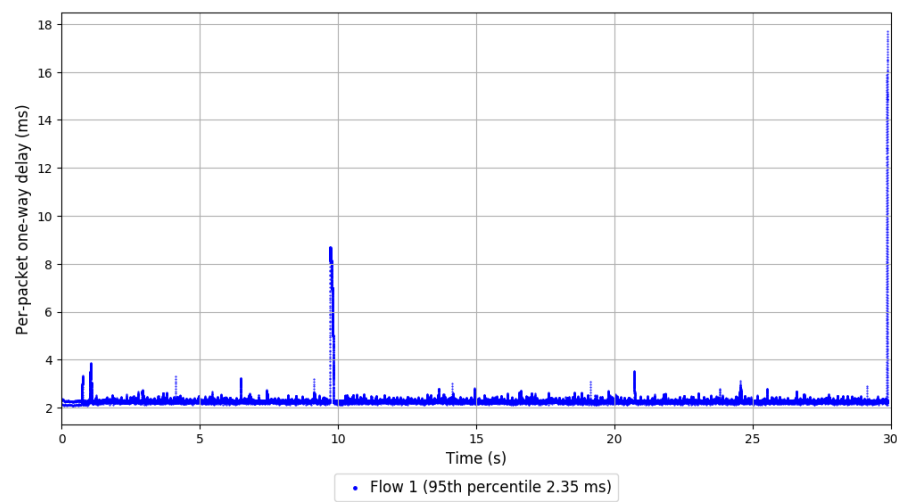
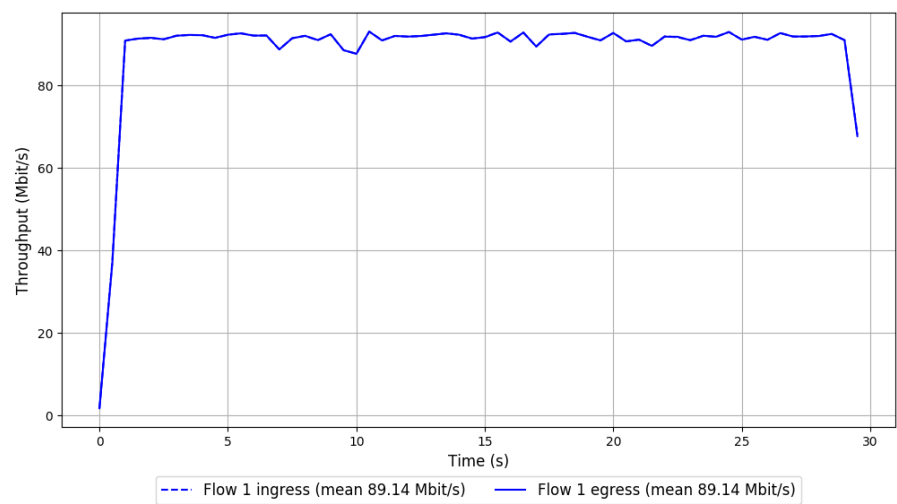
Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 2.351 ms

Loss rate: 0.02%



Run 5: Report of Vivace-latency — Data Link

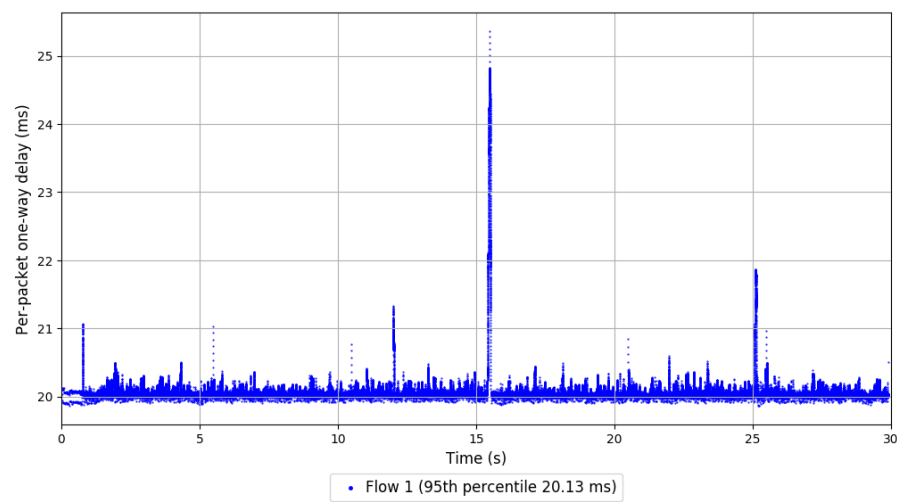
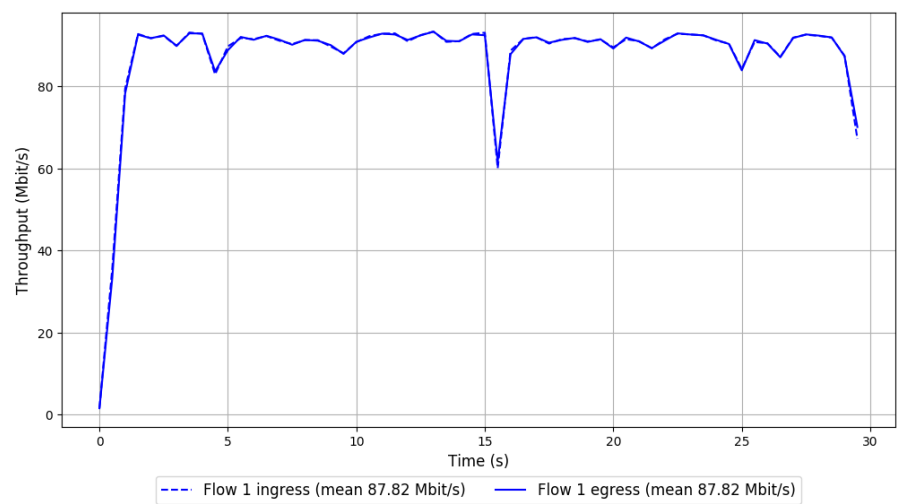


Run 6: Statistics of Vivace-latency

Start at: 2018-01-31 14:27:25  
End at: 2018-01-31 14:27:55  
Local clock offset: 0.048 ms  
Remote clock offset: -17.154 ms

# Below is generated by plot.py at 2018-01-31 19:43:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.82 Mbit/s  
95th percentile per-packet one-way delay: 20.127 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 87.82 Mbit/s  
95th percentile per-packet one-way delay: 20.127 ms  
Loss rate: 0.02%

Run 6: Report of Vivace-latency — Data Link

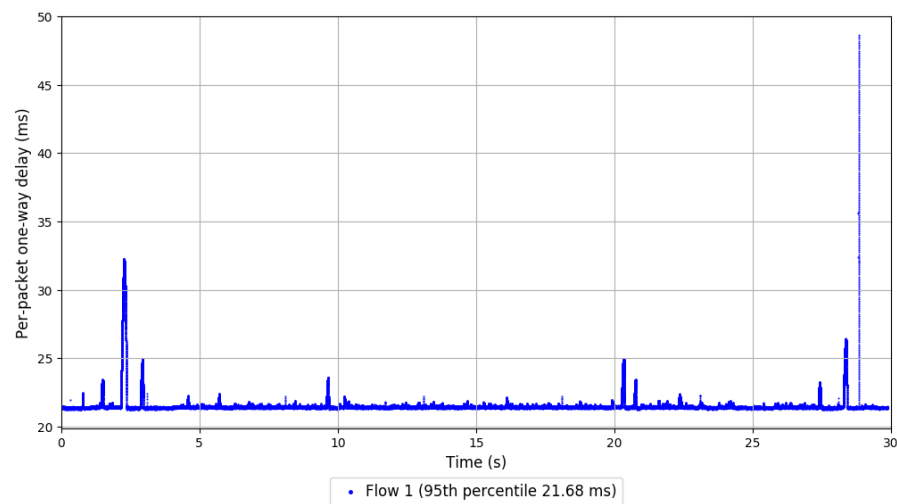
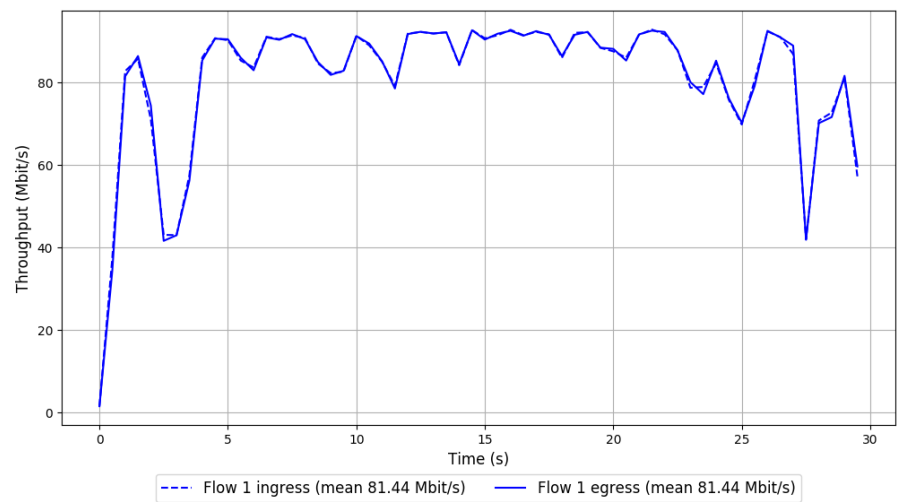


Run 7: Statistics of Vivace-latency

Start at: 2018-01-31 14:47:48  
End at: 2018-01-31 14:48:18  
Local clock offset: 0.123 ms  
Remote clock offset: -18.711 ms

# Below is generated by plot.py at 2018-01-31 19:43:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.44 Mbit/s  
95th percentile per-packet one-way delay: 21.679 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 81.44 Mbit/s  
95th percentile per-packet one-way delay: 21.679 ms  
Loss rate: 0.01%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-31 15:08:16

End at: 2018-01-31 15:08:46

Local clock offset: 0.182 ms

Remote clock offset: 0.121 ms

# Below is generated by plot.py at 2018-01-31 19:44:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 2.471 ms

Loss rate: 0.01%

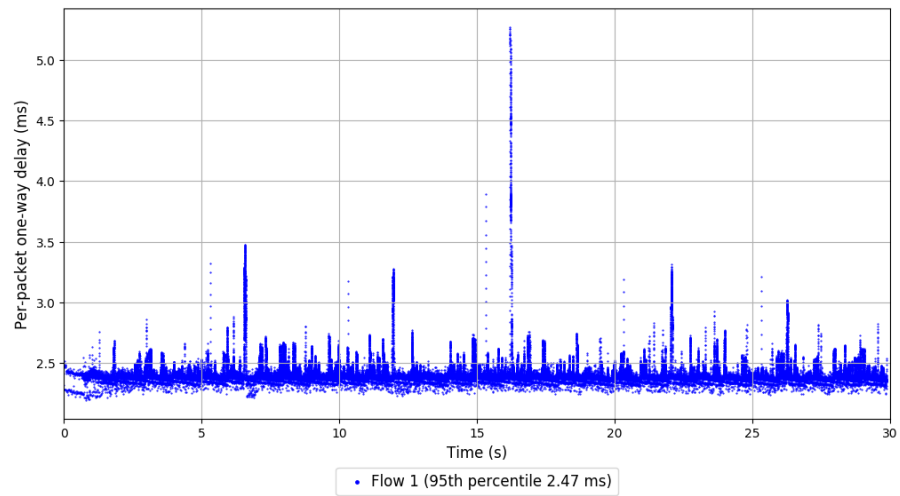
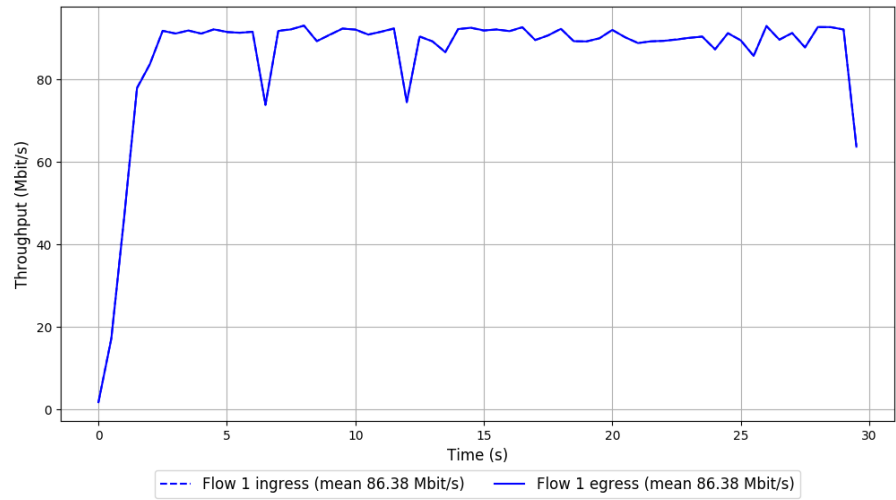
-- Flow 1:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 2.471 ms

Loss rate: 0.01%

### Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-31 15:28:27

End at: 2018-01-31 15:28:57

Local clock offset: 0.131 ms

Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-01-31 19:44:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.81 Mbit/s

95th percentile per-packet one-way delay: 2.378 ms

Loss rate: 0.02%

-- Flow 1:

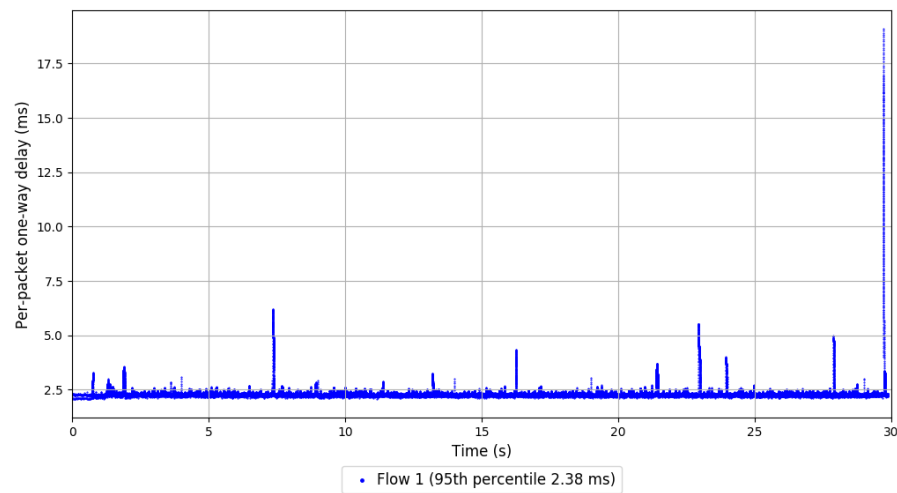
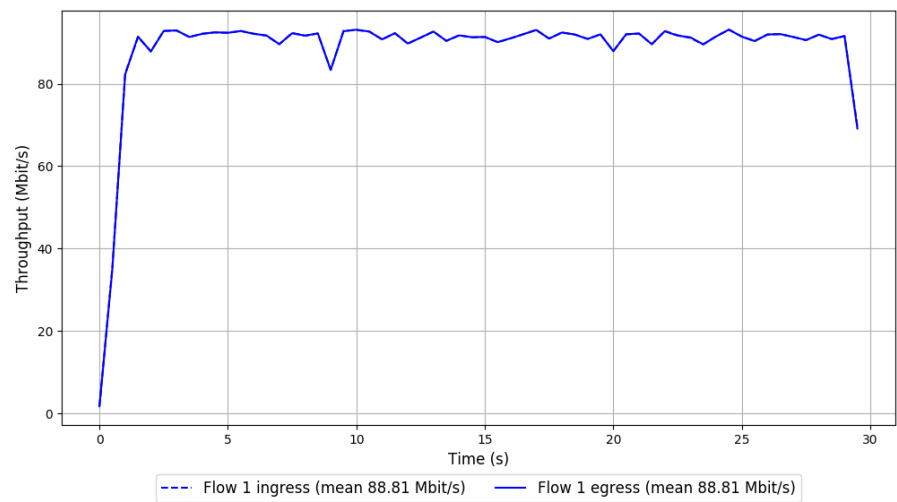
Average throughput: 88.81 Mbit/s

95th percentile per-packet one-way delay: 2.378 ms

Loss rate: 0.02%



Run 9: Report of Vivace-latency — Data Link

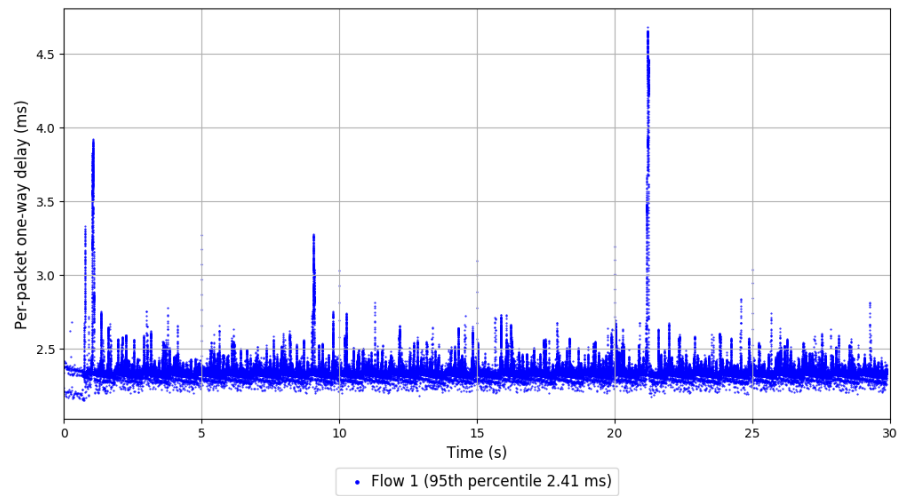
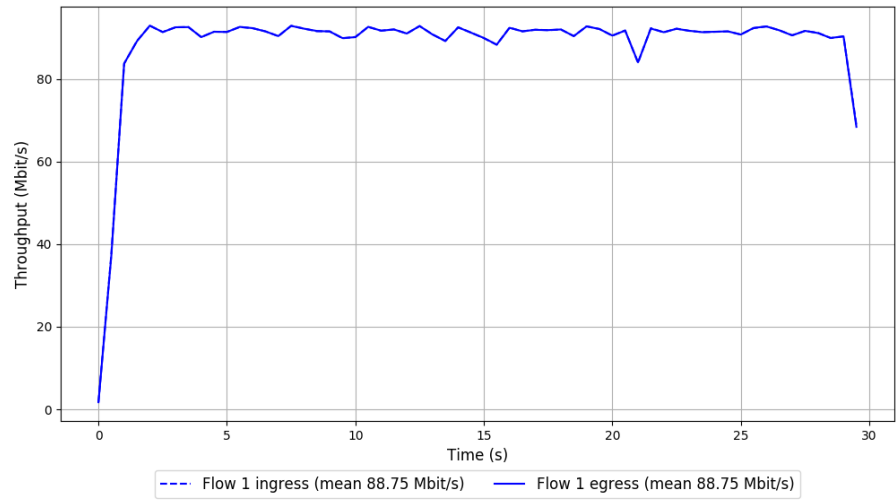


Run 10: Statistics of Vivace-latency

Start at: 2018-01-31 15:48:45  
End at: 2018-01-31 15:49:15  
Local clock offset: 0.169 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-01-31 19:44:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.75 Mbit/s  
95th percentile per-packet one-way delay: 2.410 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 88.75 Mbit/s  
95th percentile per-packet one-way delay: 2.410 ms  
Loss rate: 0.02%

Run 10: Report of Vivace-latency — Data Link

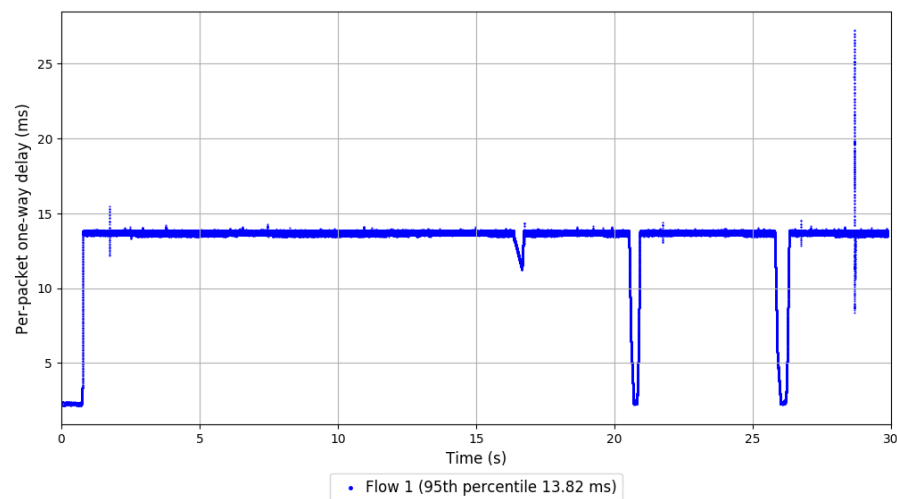
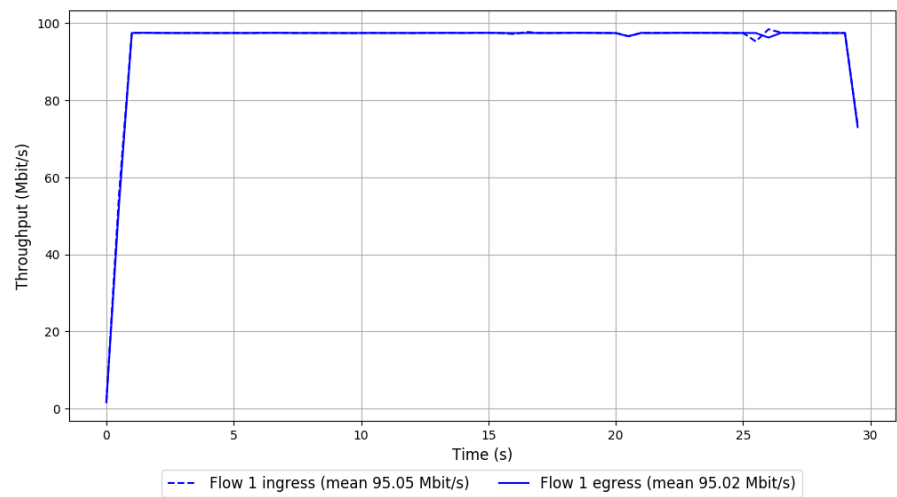


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-31 12:32:22
End at: 2018-01-31 12:32:52
Local clock offset: -0.406 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-01-31 19:45:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 13.816 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 13.816 ms
Loss rate: 0.06%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-31 12:52:42

End at: 2018-01-31 12:53:12

Local clock offset: -0.369 ms

Remote clock offset: 0.183 ms

# Below is generated by plot.py at 2018-01-31 19:45:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 13.849 ms

Loss rate: 0.06%

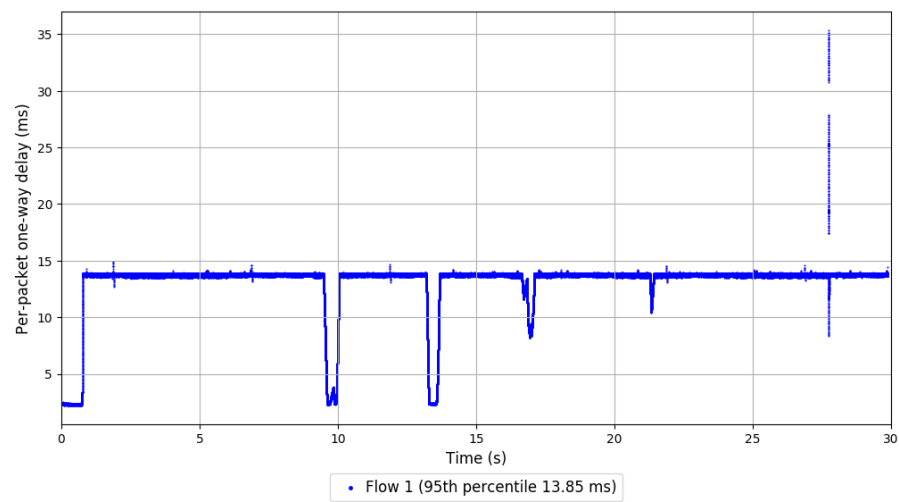
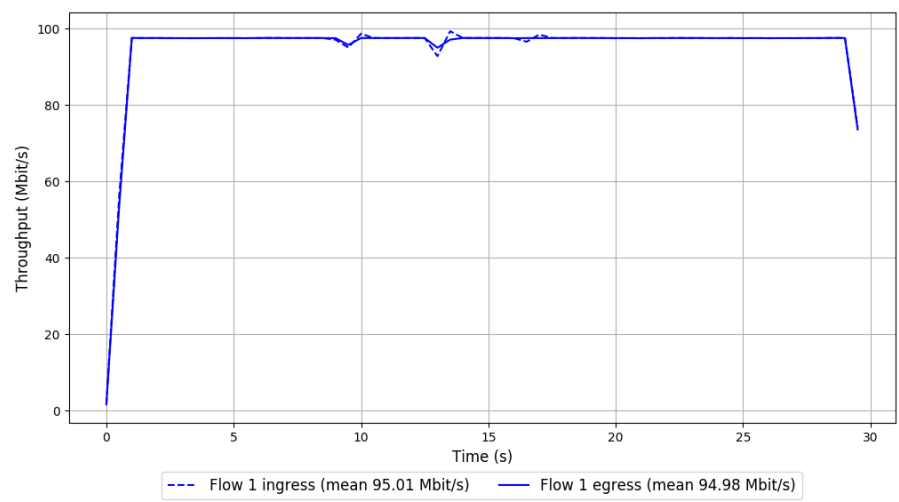
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 13.849 ms

Loss rate: 0.06%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-31 13:13:07

End at: 2018-01-31 13:13:37

Local clock offset: -0.14 ms

Remote clock offset: 0.471 ms

# Below is generated by plot.py at 2018-01-31 19:45:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 13.814 ms

Loss rate: 0.06%

-- Flow 1:

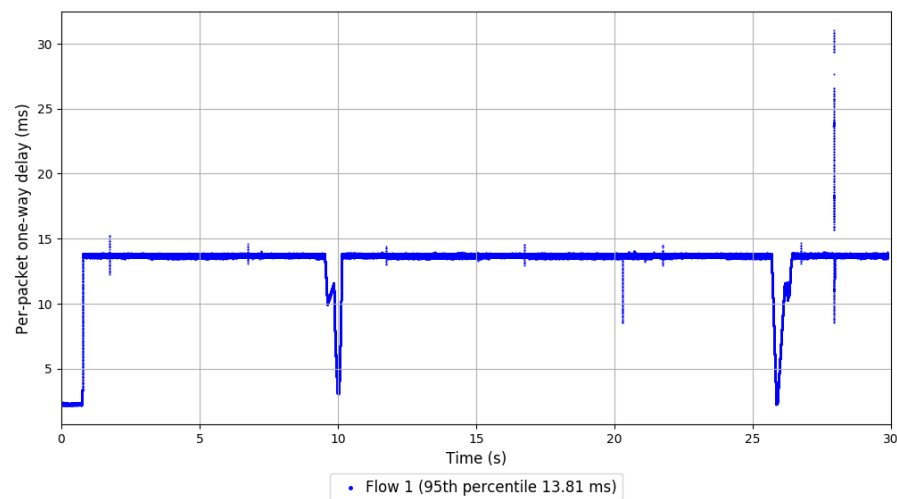
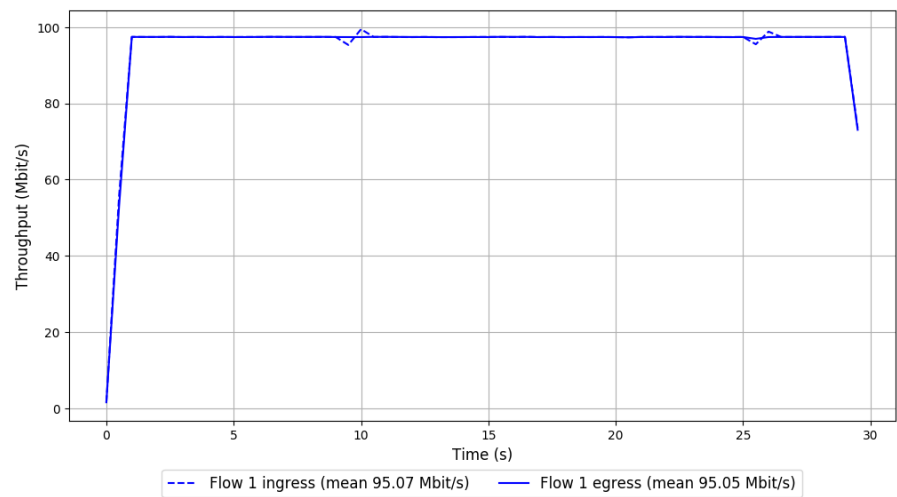
Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 13.814 ms

Loss rate: 0.06%



Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

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

End at: 2018-01-31 13:33:43

Local clock offset: -0.033 ms

Remote clock offset: 0.602 ms

# Below is generated by plot.py at 2018-01-31 19:45:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 13.827 ms

Loss rate: 0.06%

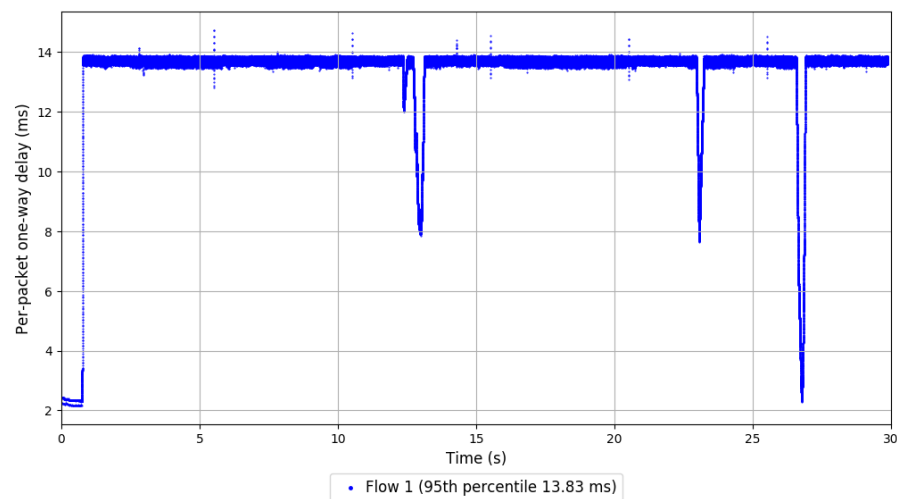
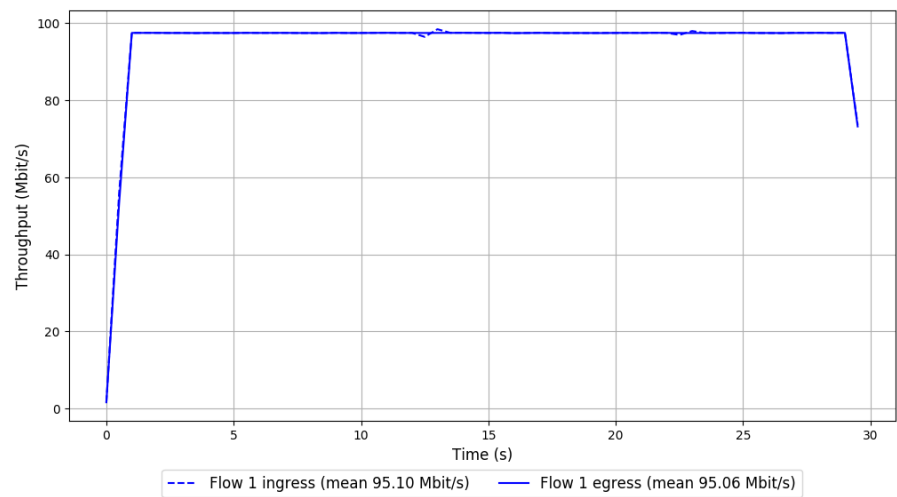
-- Flow 1:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 13.827 ms

Loss rate: 0.06%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-31 13:53:32

End at: 2018-01-31 13:54:02

Local clock offset: -0.049 ms

Remote clock offset: 0.753 ms

# Below is generated by plot.py at 2018-01-31 19:45:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 13.715 ms

Loss rate: 0.05%

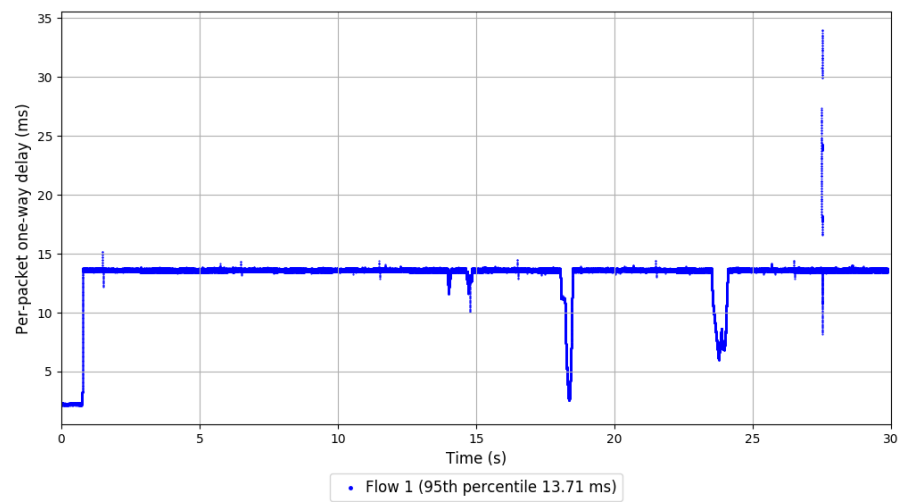
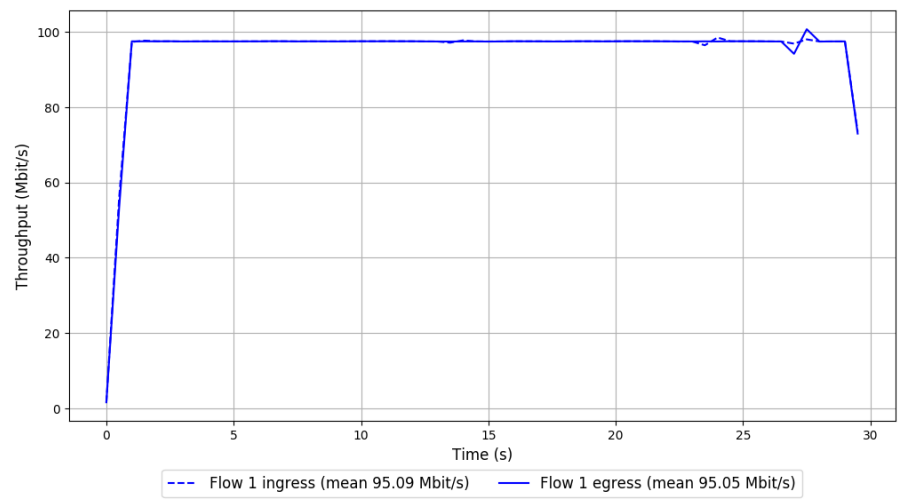
-- Flow 1:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 13.715 ms

Loss rate: 0.05%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-31 14:13:50

End at: 2018-01-31 14:14:20

Local clock offset: 0.006 ms

Remote clock offset: 0.74 ms

# Below is generated by plot.py at 2018-01-31 19:45:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 13.739 ms

Loss rate: 0.06%

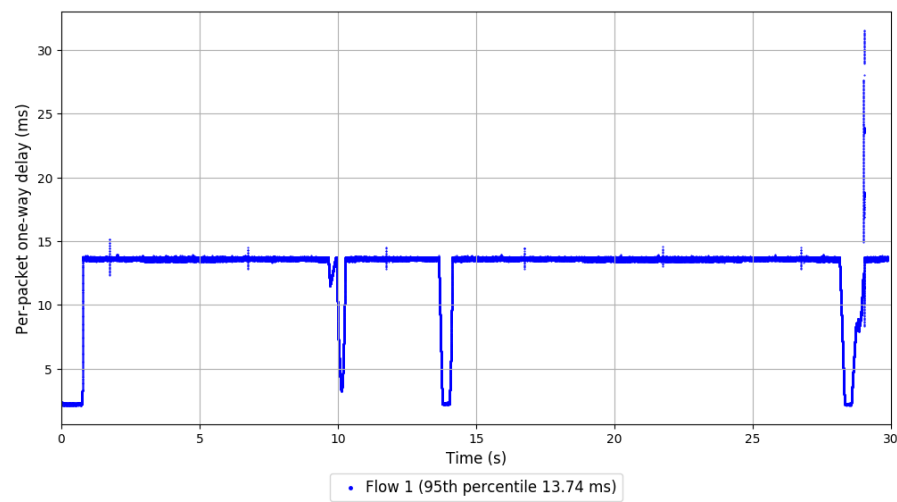
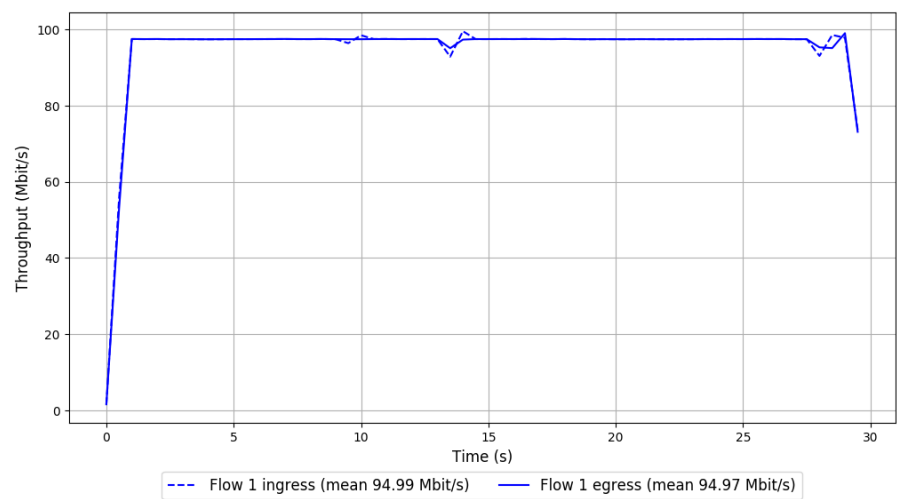
-- Flow 1:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 13.739 ms

Loss rate: 0.06%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-31 14:34:19

End at: 2018-01-31 14:34:49

Local clock offset: 0.083 ms

Remote clock offset: 0.492 ms

# Below is generated by plot.py at 2018-01-31 19:46:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 13.840 ms

Loss rate: 0.06%

-- Flow 1:

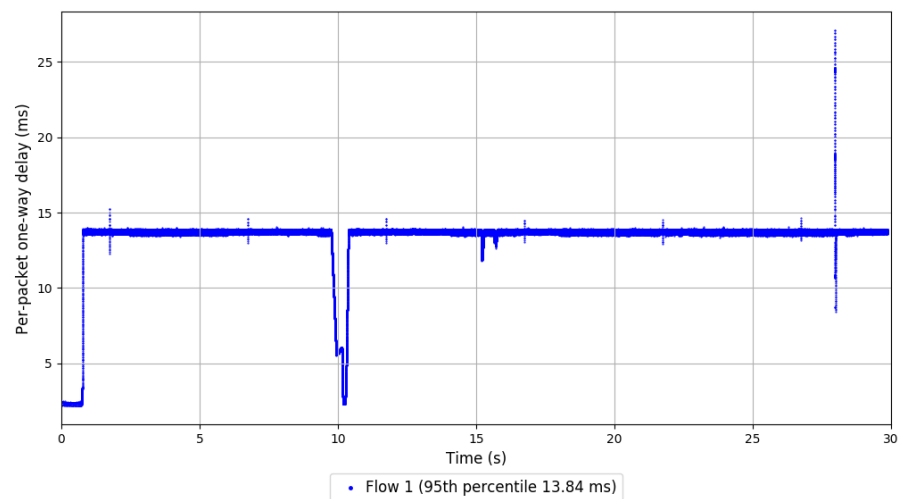
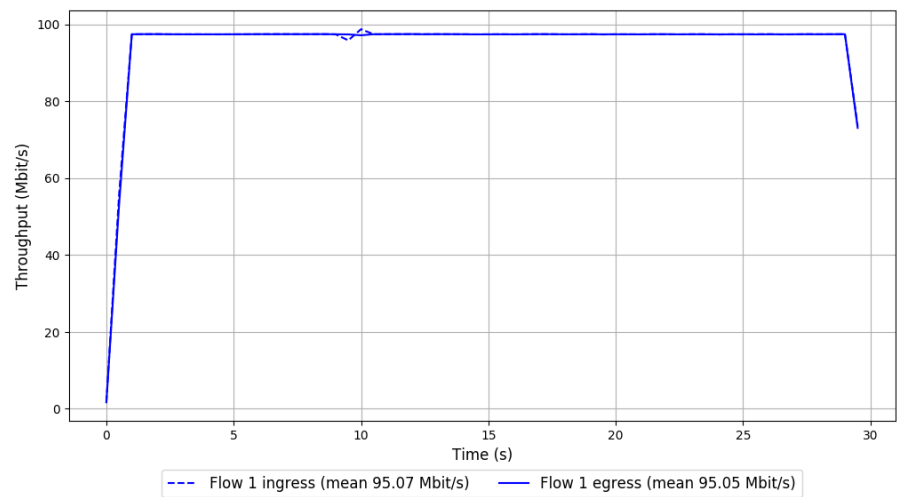
Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 13.840 ms

Loss rate: 0.06%



Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-31 14:54:46

End at: 2018-01-31 14:55:16

Local clock offset: 0.139 ms

Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2018-01-31 19:46:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 13.880 ms

Loss rate: 0.06%

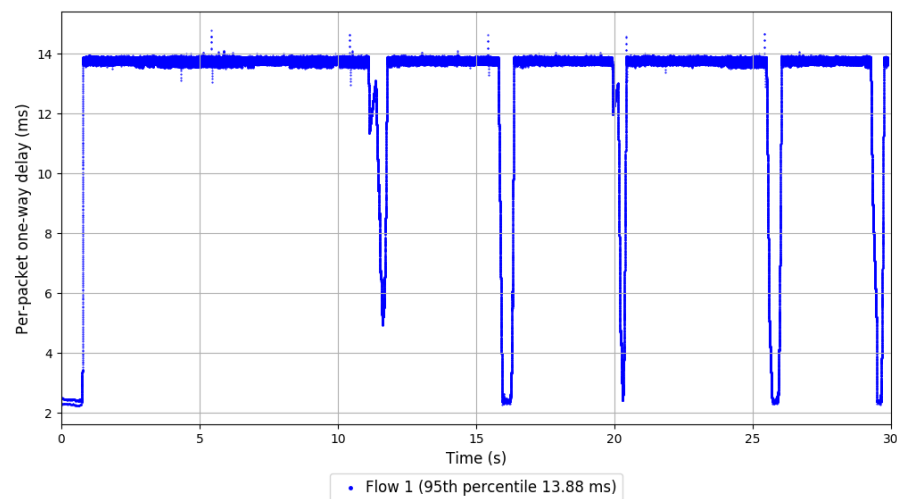
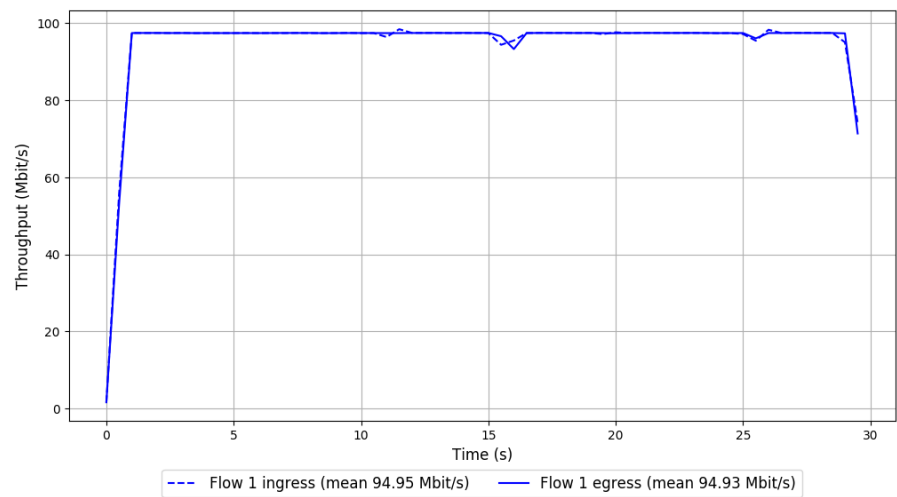
-- Flow 1:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 13.880 ms

Loss rate: 0.06%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-31 15:15:09

End at: 2018-01-31 15:15:39

Local clock offset: 0.192 ms

Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2018-01-31 19:46:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 13.823 ms

Loss rate: 0.05%

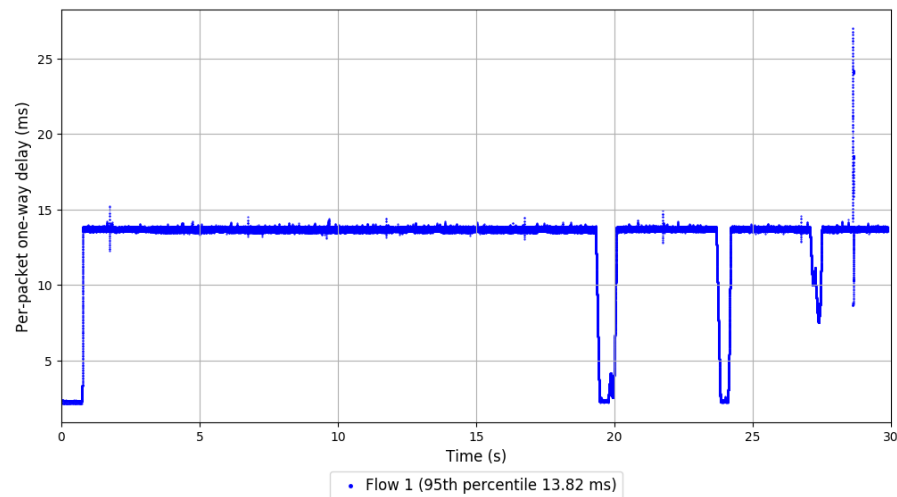
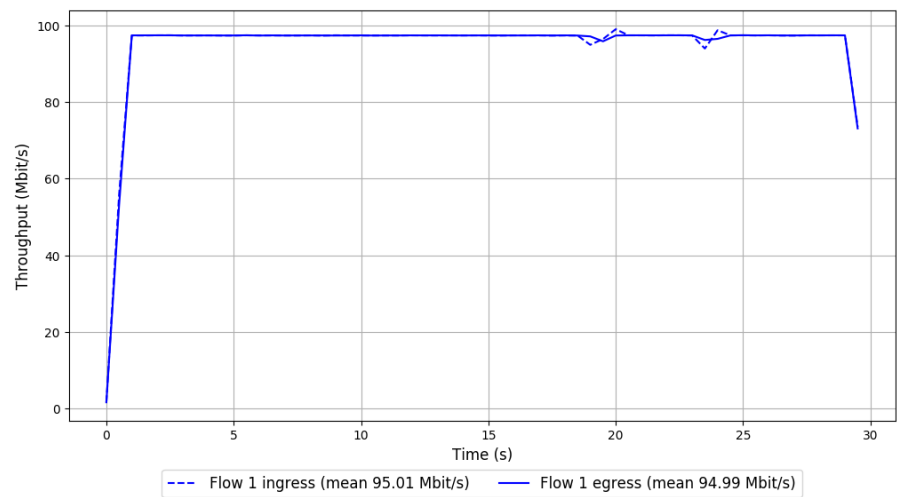
-- Flow 1:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 13.823 ms

Loss rate: 0.05%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-31 15:35:20

End at: 2018-01-31 15:35:50

Local clock offset: 0.107 ms

Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-01-31 19:46:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 13.736 ms

Loss rate: 0.19%

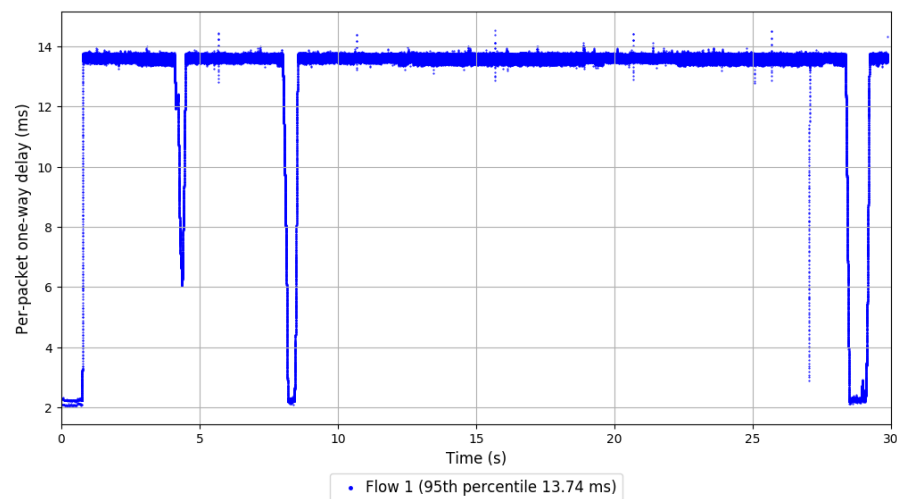
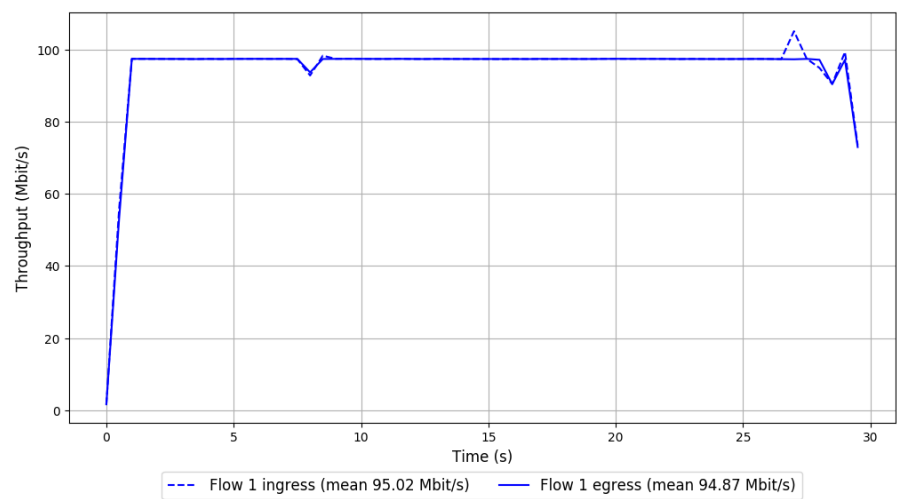
-- Flow 1:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 13.736 ms

Loss rate: 0.19%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-01-31 12:49:16

End at: 2018-01-31 12:49:46

Local clock offset: -0.36 ms

Remote clock offset: 0.189 ms

# Below is generated by plot.py at 2018-01-31 19:46:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 13.574 ms

Loss rate: 0.02%

-- Flow 1:

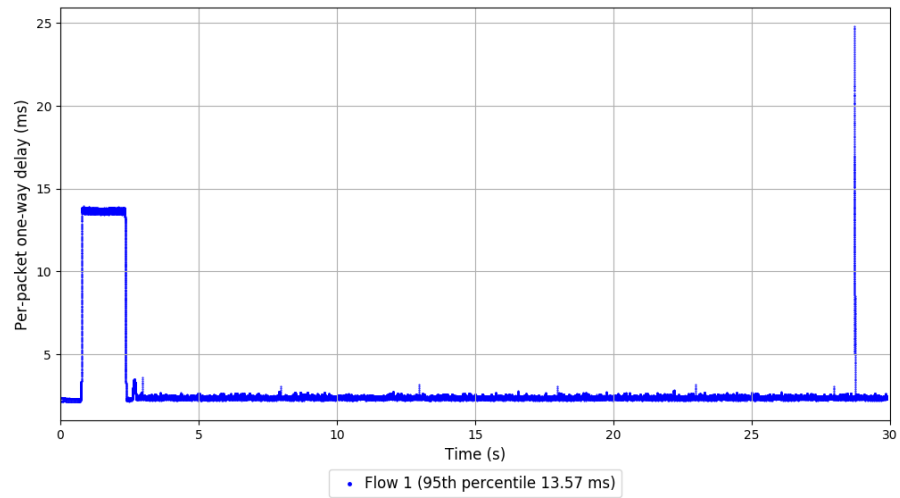
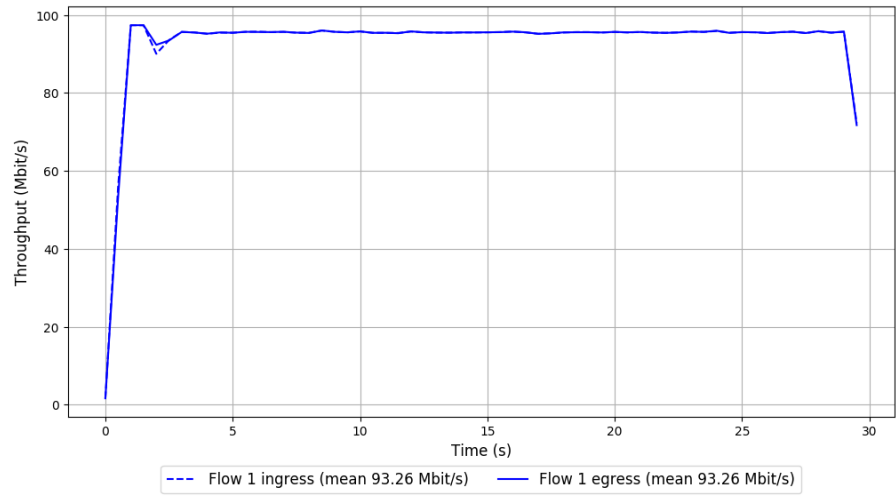
Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 13.574 ms

Loss rate: 0.02%



### Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-31 13:09:41

End at: 2018-01-31 13:10:11

Local clock offset: -0.172 ms

Remote clock offset: 0.42 ms

# Below is generated by plot.py at 2018-01-31 19:46:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 13.537 ms

Loss rate: 0.01%

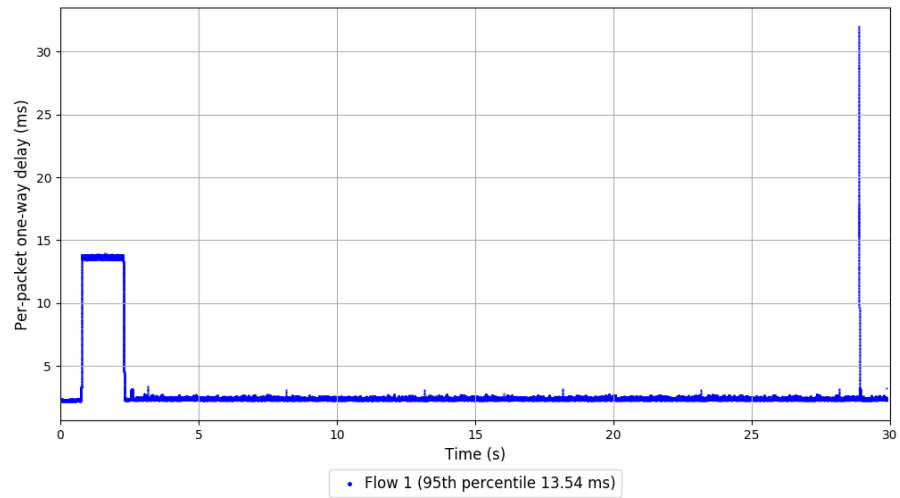
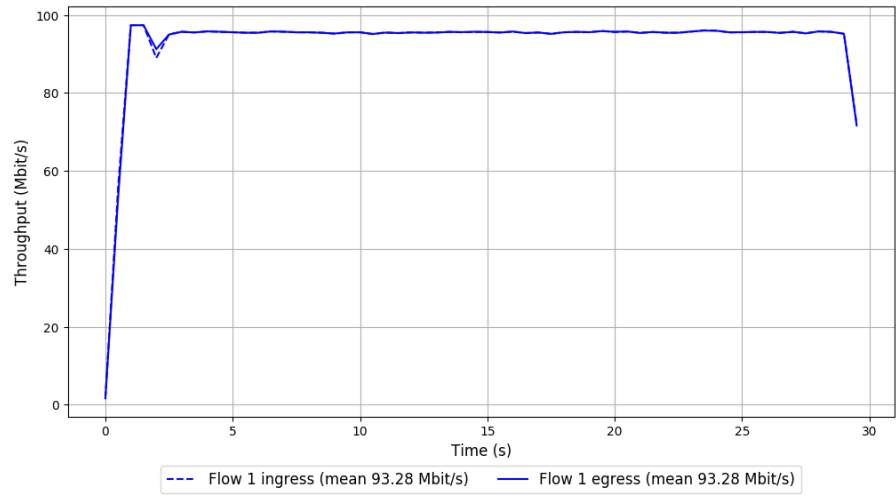
-- Flow 1:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 13.537 ms

Loss rate: 0.01%

## Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-31 13:29:47

End at: 2018-01-31 13:30:17

Local clock offset: -0.046 ms

Remote clock offset: 0.581 ms

# Below is generated by plot.py at 2018-01-31 19:46:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.16 Mbit/s

95th percentile per-packet one-way delay: 13.540 ms

Loss rate: 0.02%

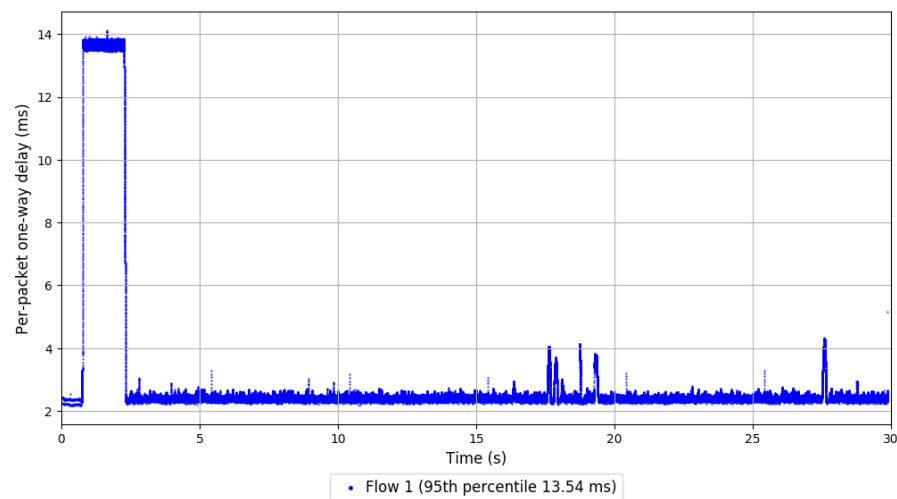
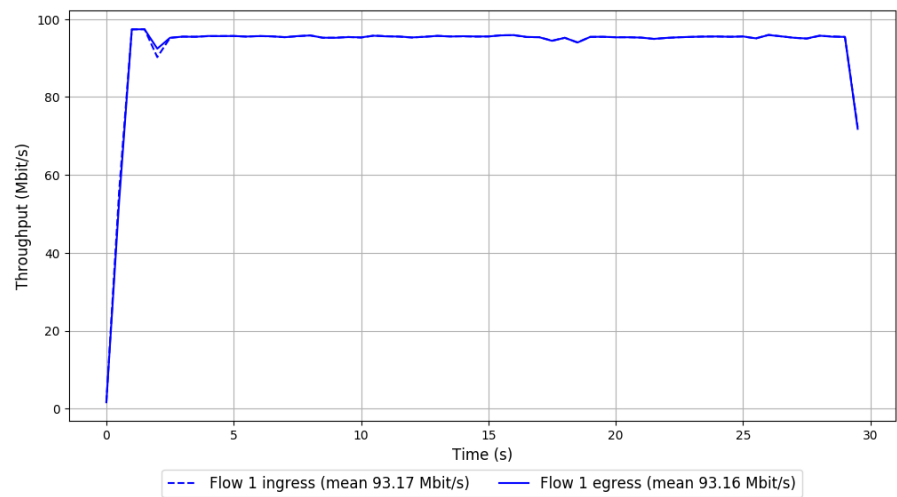
-- Flow 1:

Average throughput: 93.16 Mbit/s

95th percentile per-packet one-way delay: 13.540 ms

Loss rate: 0.02%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-31 13:50:06

End at: 2018-01-31 13:50:36

Local clock offset: -0.005 ms

Remote clock offset: 0.719 ms

# Below is generated by plot.py at 2018-01-31 19:47:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 13.546 ms

Loss rate: 0.02%

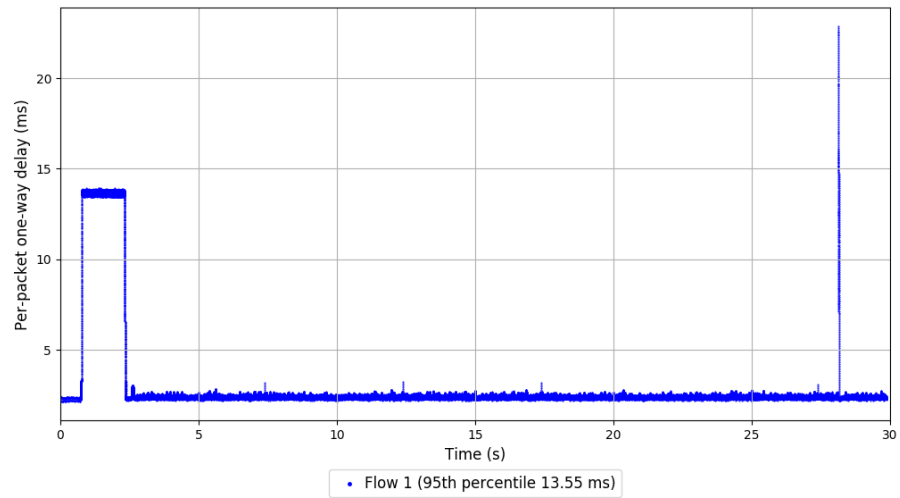
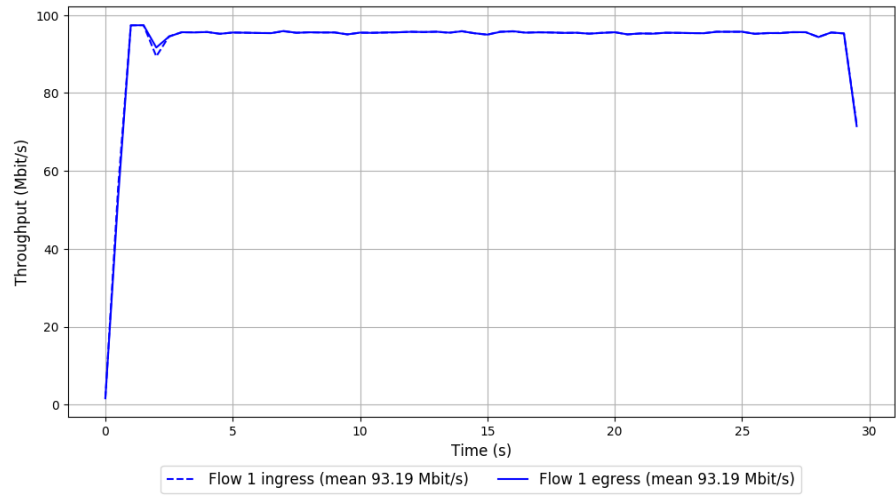
-- Flow 1:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 13.546 ms

Loss rate: 0.02%

#### Run 4: Report of Vivace-LTE — Data Link



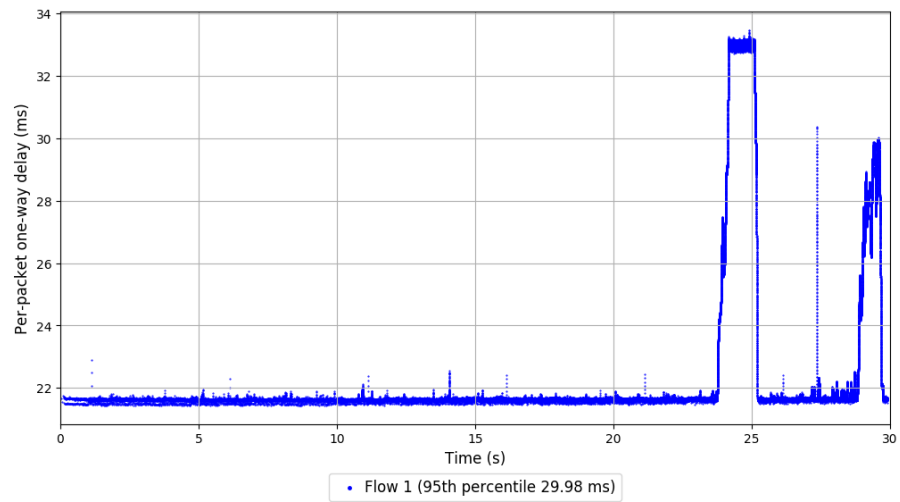
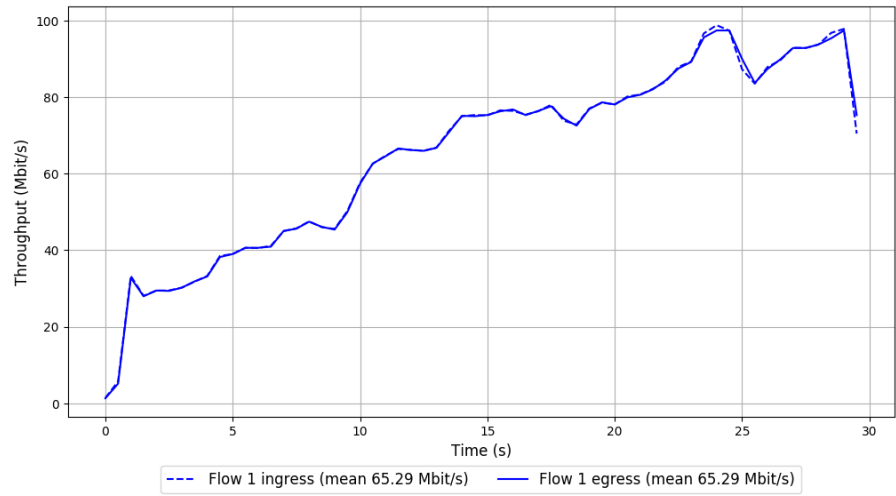
Run 5: Statistics of Vivace-LTE

Start at: 2018-01-31 14:10:27  
End at: 2018-01-31 14:10:57  
Local clock offset: 0.056 ms  
Remote clock offset: -18.508 ms

# Below is generated by plot.py at 2018-01-31 19:47:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.29 Mbit/s  
95th percentile per-packet one-way delay: 29.975 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 65.29 Mbit/s  
95th percentile per-packet one-way delay: 29.975 ms  
Loss rate: 0.02%



## Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-31 14:30:53

End at: 2018-01-31 14:31:23

Local clock offset: -0.004 ms

Remote clock offset: 0.507 ms

# Below is generated by plot.py at 2018-01-31 19:47:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 13.516 ms

Loss rate: 0.02%

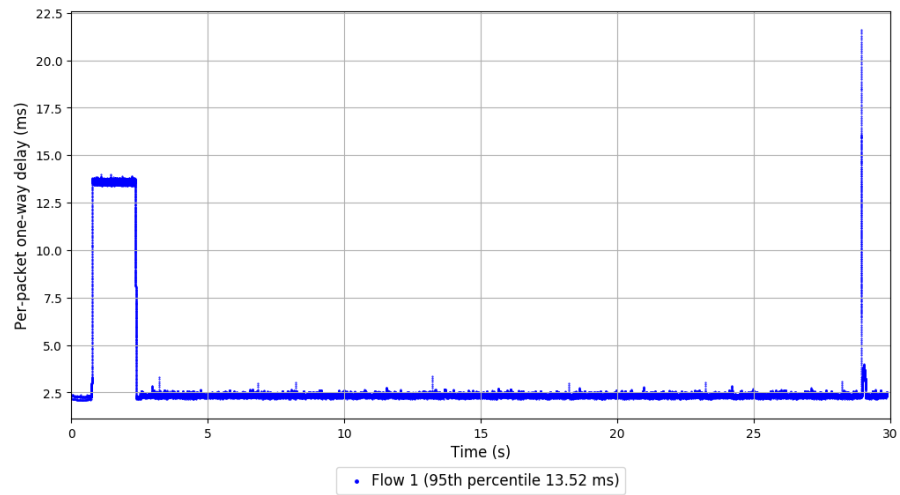
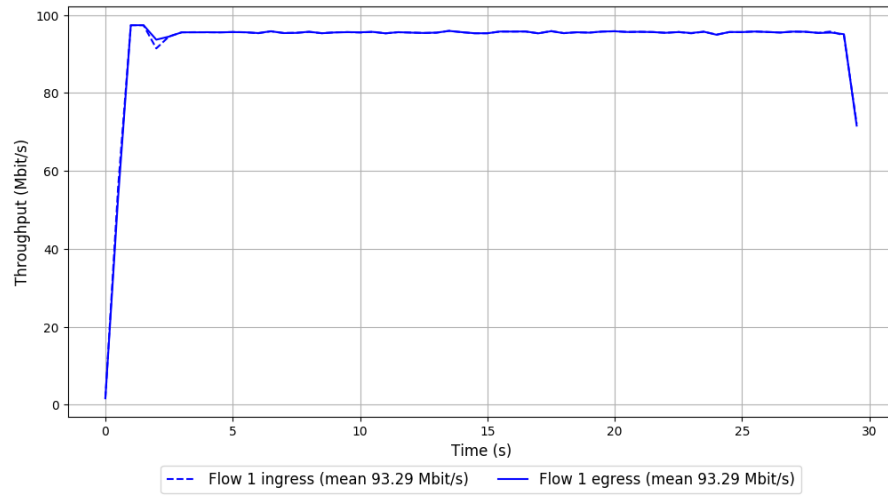
-- Flow 1:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 13.516 ms

Loss rate: 0.02%

## Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-31 14:51:20

End at: 2018-01-31 14:51:50

Local clock offset: 0.153 ms

Remote clock offset: 0.329 ms

# Below is generated by plot.py at 2018-01-31 19:47:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 13.604 ms

Loss rate: 0.02%

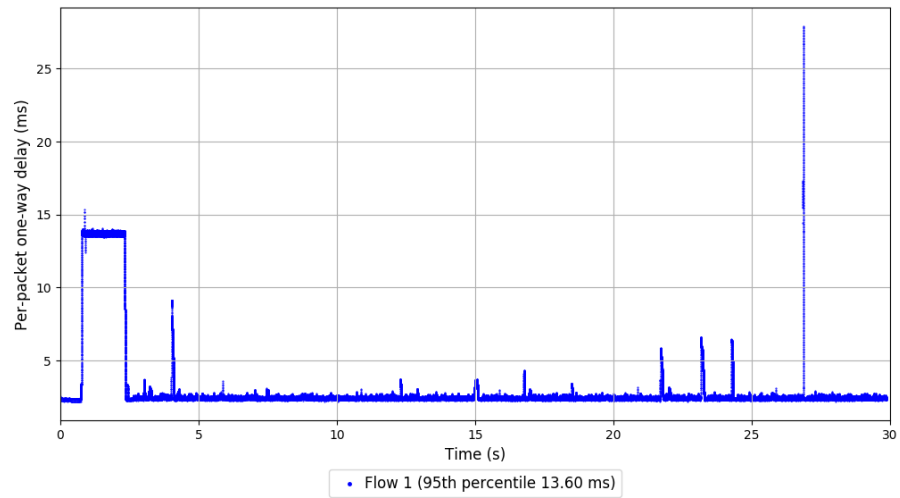
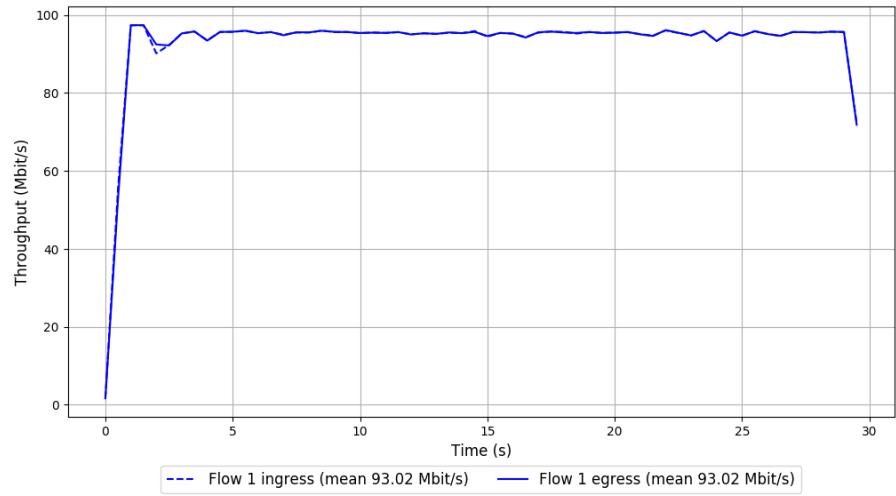
-- Flow 1:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 13.604 ms

Loss rate: 0.02%

### Run 7: Report of Vivace-LTE — Data Link

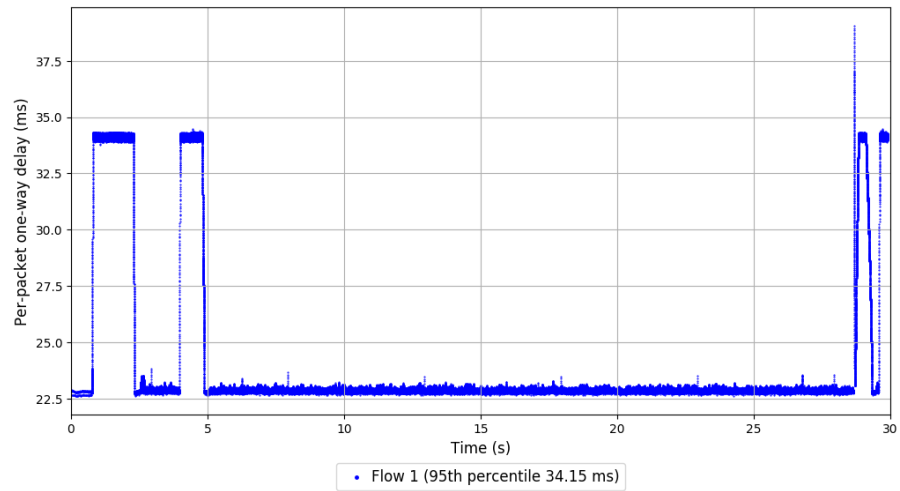
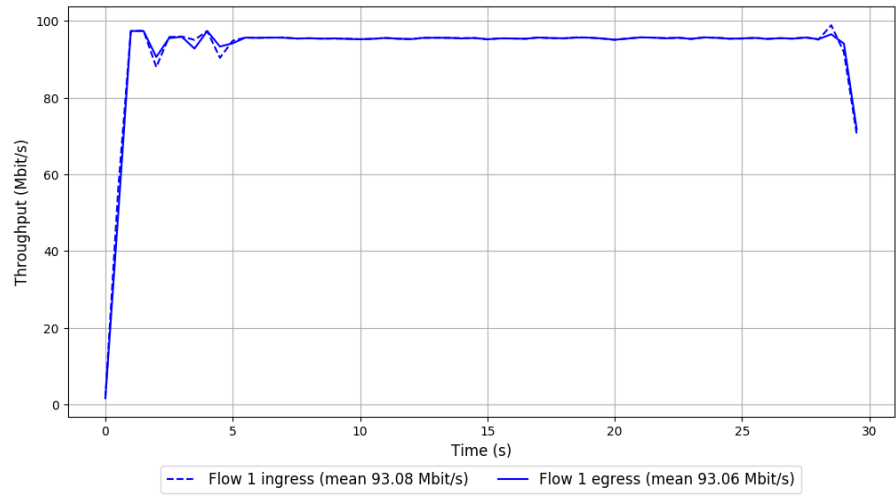


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-31 15:11:43  
End at: 2018-01-31 15:12:13  
Local clock offset: 0.184 ms  
Remote clock offset: -20.312 ms

# Below is generated by plot.py at 2018-01-31 19:47:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.06 Mbit/s  
95th percentile per-packet one-way delay: 34.146 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 93.06 Mbit/s  
95th percentile per-packet one-way delay: 34.146 ms  
Loss rate: 0.06%

## Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-31 15:31:55

End at: 2018-01-31 15:32:25

Local clock offset: 0.141 ms

Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-01-31 19:47:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 13.518 ms

Loss rate: 0.02%

-- Flow 1:

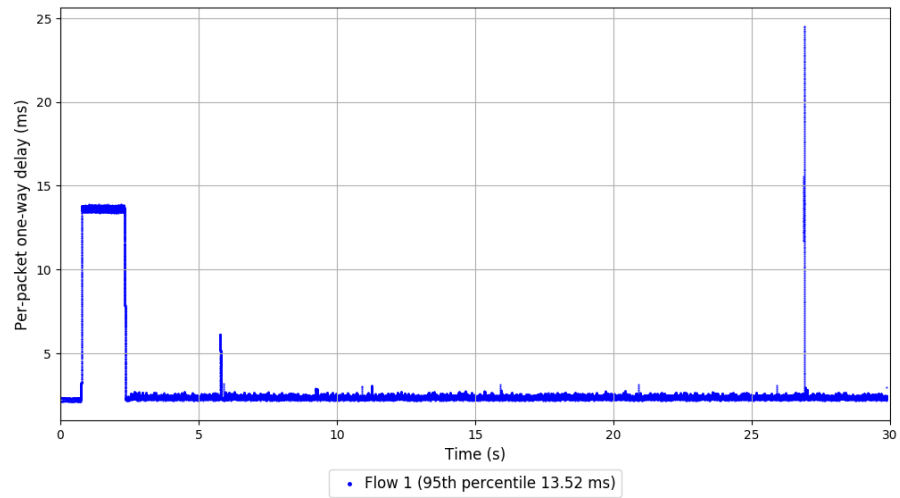
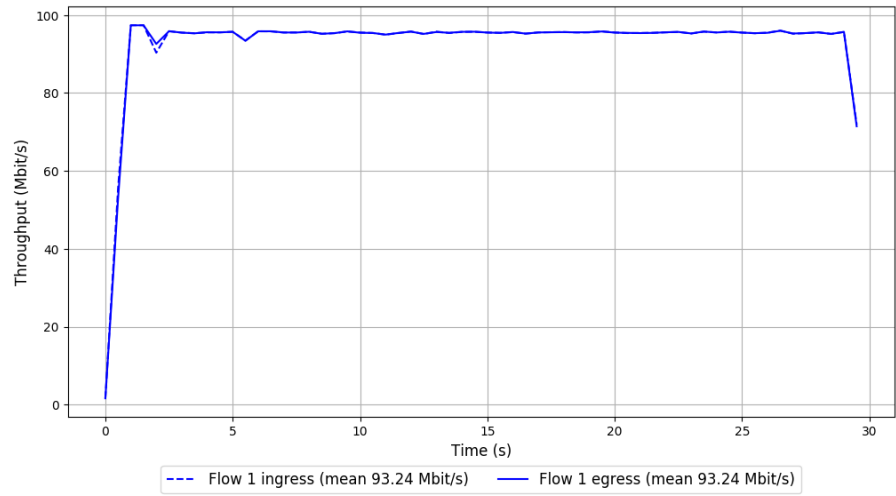
Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 13.518 ms

Loss rate: 0.02%



### Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-31 15:52:13  
End at: 2018-01-31 15:52:43  
Local clock offset: 0.15 ms  
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-01-31 19:47:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.82 Mbit/s  
95th percentile per-packet one-way delay: 13.579 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 92.82 Mbit/s  
95th percentile per-packet one-way delay: 13.579 ms  
Loss rate: 0.02%

Run 10: Report of Vivace-LTE — Data Link

