

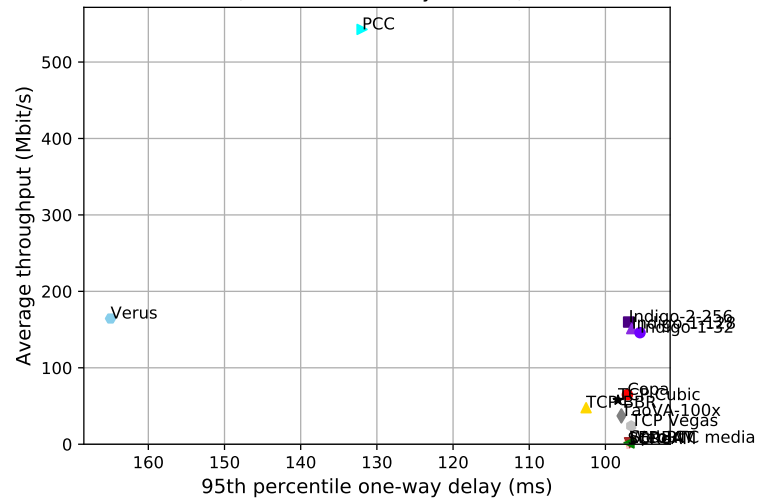
Pantheon Report

Generated at 2018-01-25 21:44:36 (UTC).
Data path: GCE London Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

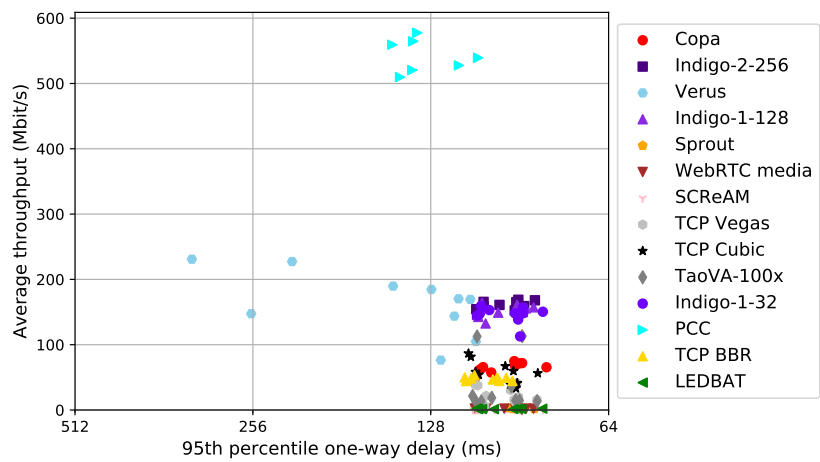
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
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 @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	47.81	102.54	0.32
TCP Cubic	10	57.72	98.34	0.25
LEDBAT	8	1.66	96.91	0.39
PCC	7	542.69	131.94	0.88
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.21	97.09	0.00
WebRTC media	10	1.95	96.83	0.00
Sprout	10	2.42	96.78	0.98
TaoVA-100x	10	37.08	97.91	0.18
TCP Vegas	10	23.91	96.61	0.57
Verus	10	164.47	164.96	1.42
Copa	10	64.76	97.12	0.00
Indigo-2-256	10	159.86	96.95	0.02
Indigo-1-32	10	145.93	95.46	0.03
Indigo-1-128	10	151.27	96.55	0.05

Run 1: Statistics of TCP BBR

Start at: 2018-01-25 18:28:26

End at: 2018-01-25 18:28:56

Below is generated by plot.py at 2018-01-25 21:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 97.996 ms

Loss rate: 1.18%

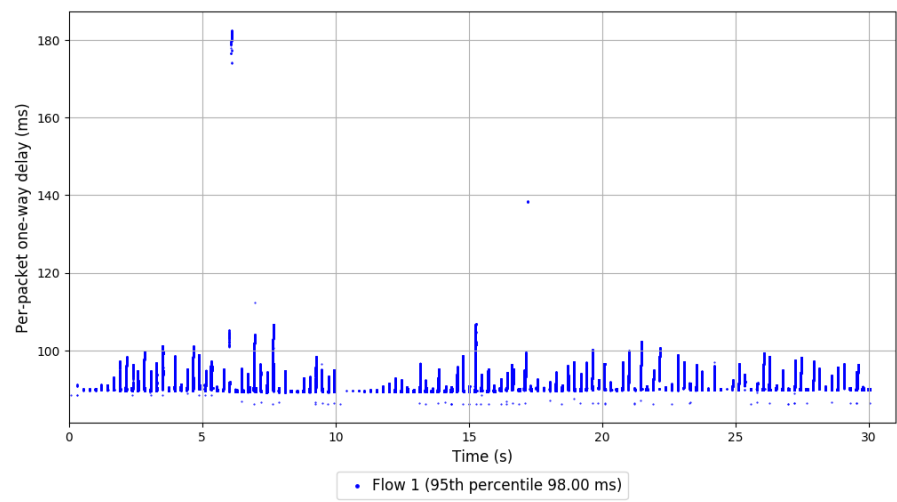
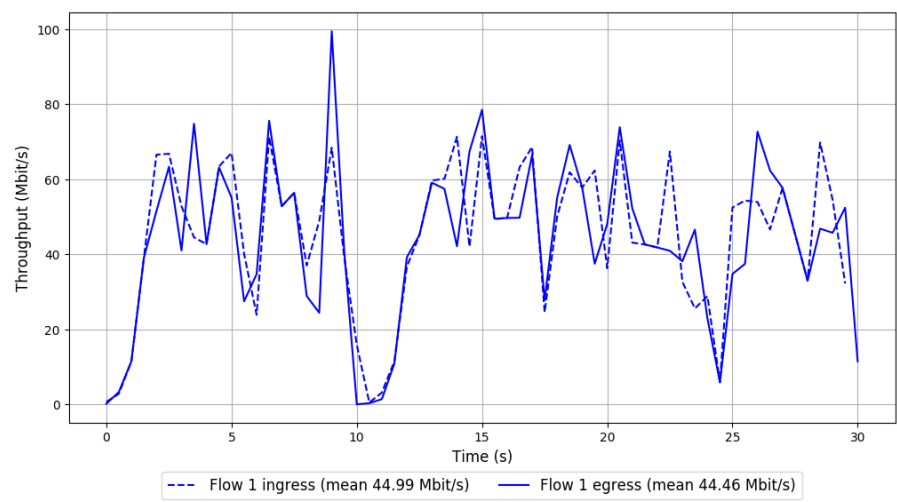
-- Flow 1:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 97.996 ms

Loss rate: 1.18%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-25 18:40:48

End at: 2018-01-25 18:41:18

Below is generated by plot.py at 2018-01-25 21:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.32 Mbit/s

95th percentile per-packet one-way delay: 98.543 ms

Loss rate: 0.00%

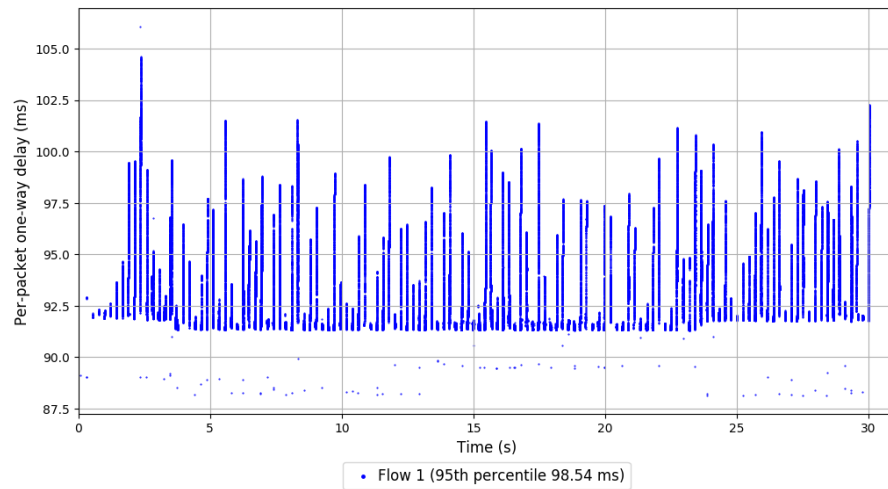
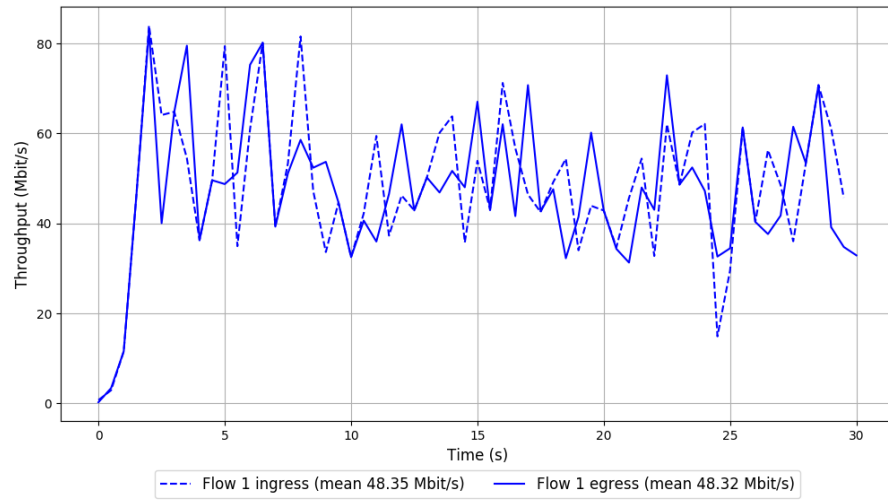
-- Flow 1:

Average throughput: 48.32 Mbit/s

95th percentile per-packet one-way delay: 98.543 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-25 18:53:34

End at: 2018-01-25 18:54:04

Below is generated by plot.py at 2018-01-25 21:13:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.41 Mbit/s

95th percentile per-packet one-way delay: 95.356 ms

Loss rate: 0.02%

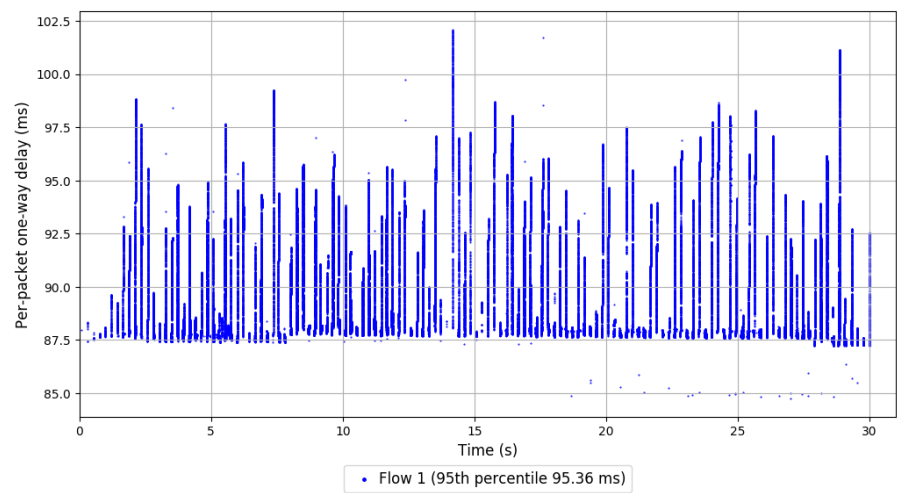
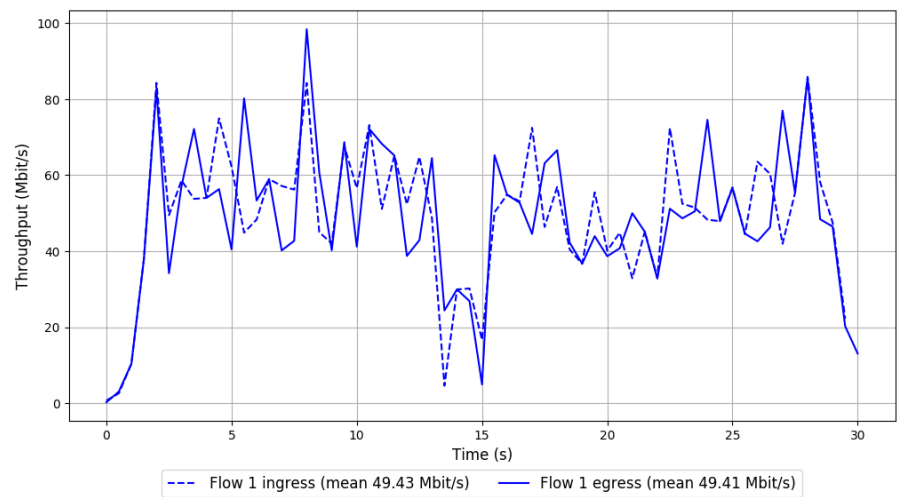
-- Flow 1:

Average throughput: 49.41 Mbit/s

95th percentile per-packet one-way delay: 95.356 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-25 19:06:20

End at: 2018-01-25 19:06:50

Below is generated by plot.py at 2018-01-25 21:13:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 93.094 ms

Loss rate: 1.79%

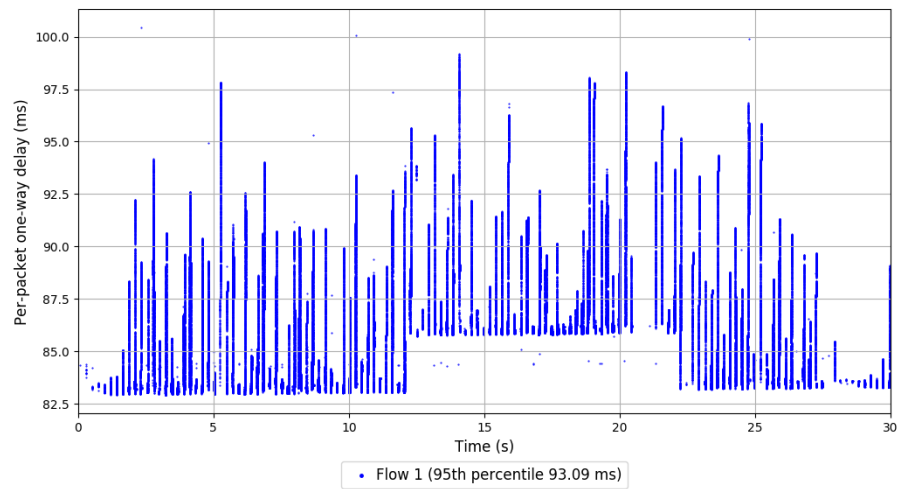
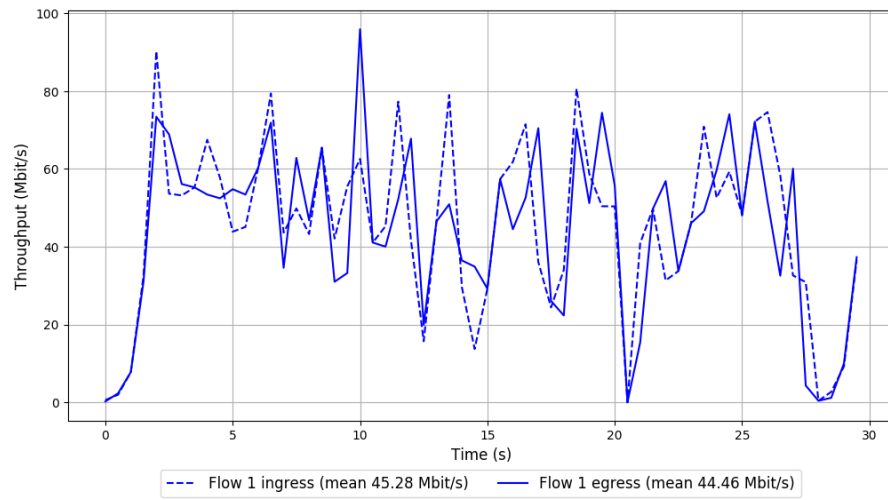
-- Flow 1:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 93.094 ms

Loss rate: 1.79%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-25 19:19:12

End at: 2018-01-25 19:19:42

Below is generated by plot.py at 2018-01-25 21:13:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 98.953 ms

Loss rate: 0.00%

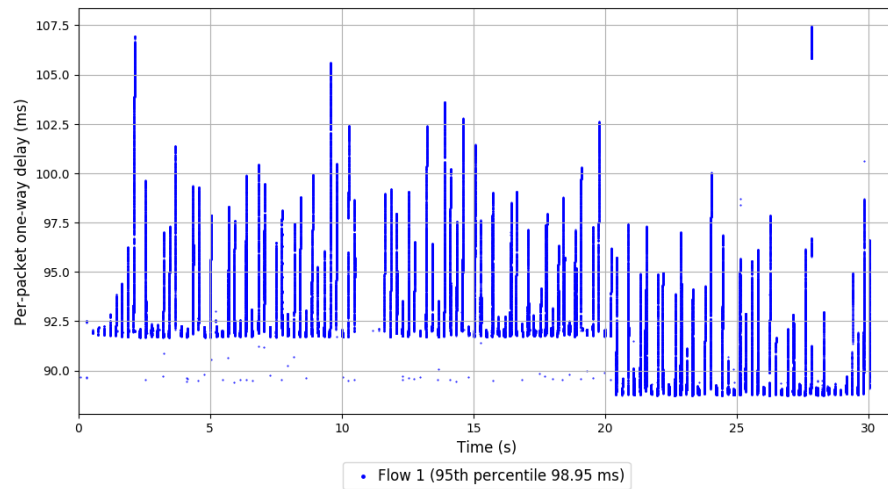
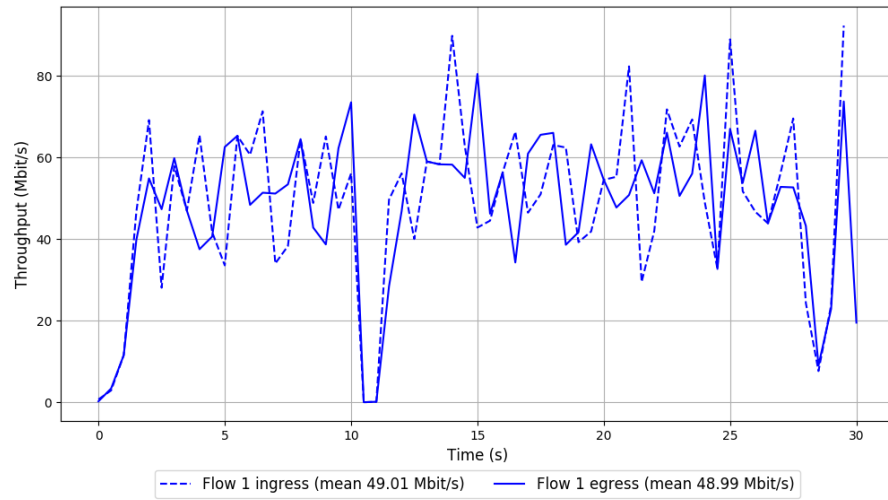
-- Flow 1:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 98.953 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-25 19:31:57

End at: 2018-01-25 19:32:27

Below is generated by plot.py at 2018-01-25 21:13:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.79 Mbit/s

95th percentile per-packet one-way delay: 100.485 ms

Loss rate: 0.01%

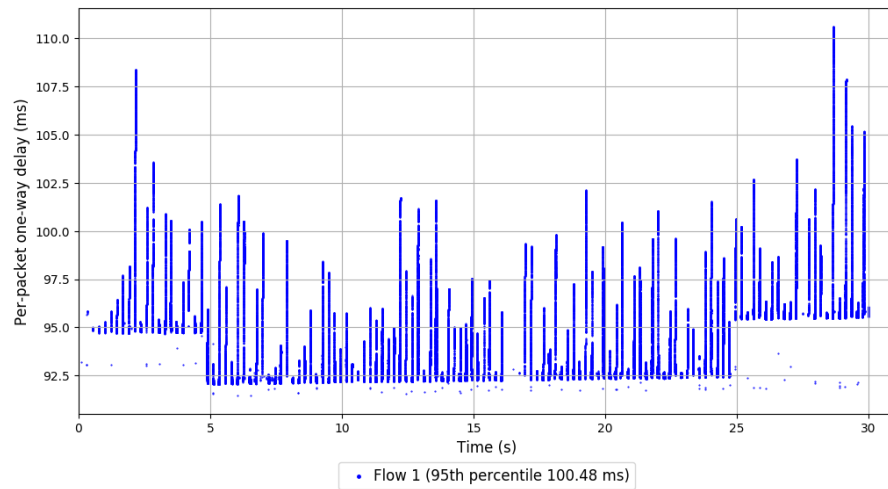
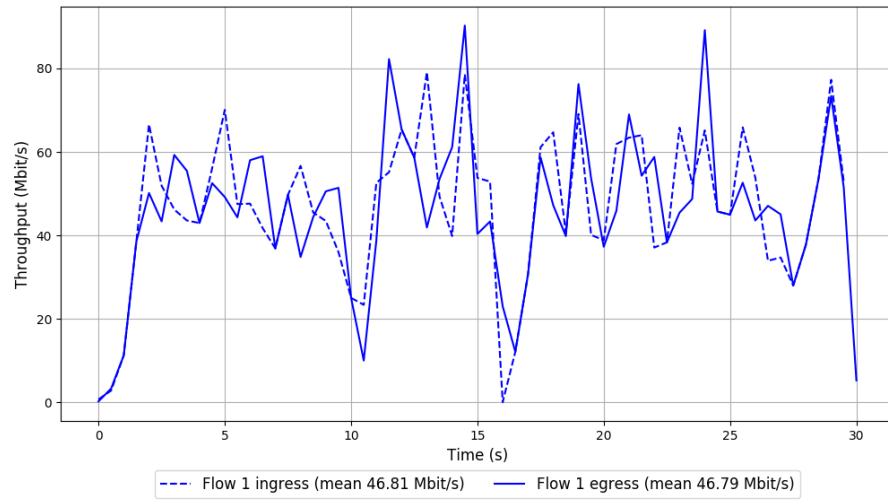
-- Flow 1:

Average throughput: 46.79 Mbit/s

95th percentile per-packet one-way delay: 100.485 ms

Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-25 19:44:20

End at: 2018-01-25 19:44:50

Below is generated by plot.py at 2018-01-25 21:13:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.31 Mbit/s

95th percentile per-packet one-way delay: 107.932 ms

Loss rate: 0.01%

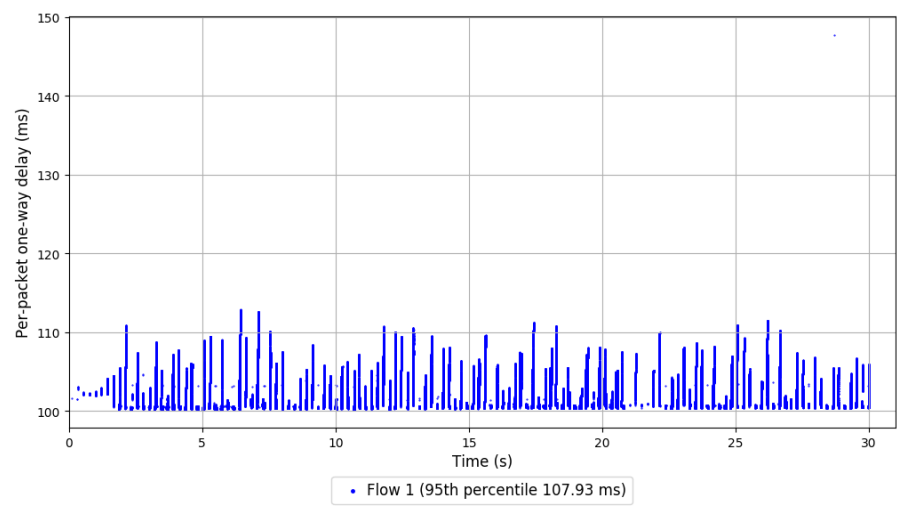
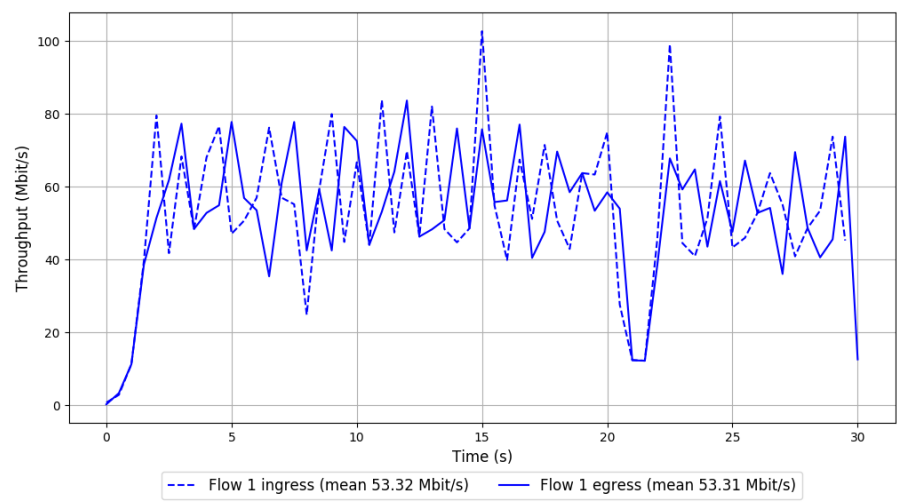
-- Flow 1:

Average throughput: 53.31 Mbit/s

95th percentile per-packet one-way delay: 107.932 ms

Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-25 19:56:58

End at: 2018-01-25 19:57:28

Below is generated by plot.py at 2018-01-25 21:13:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 109.384 ms

Loss rate: 0.18%

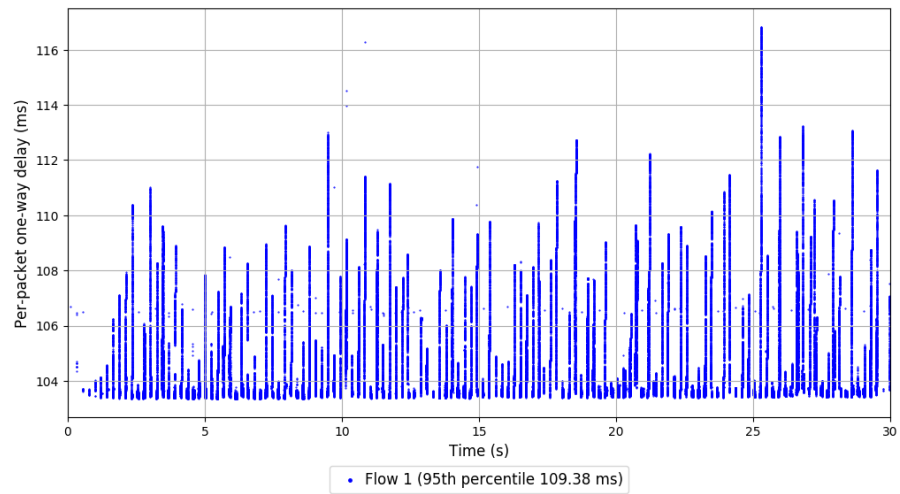
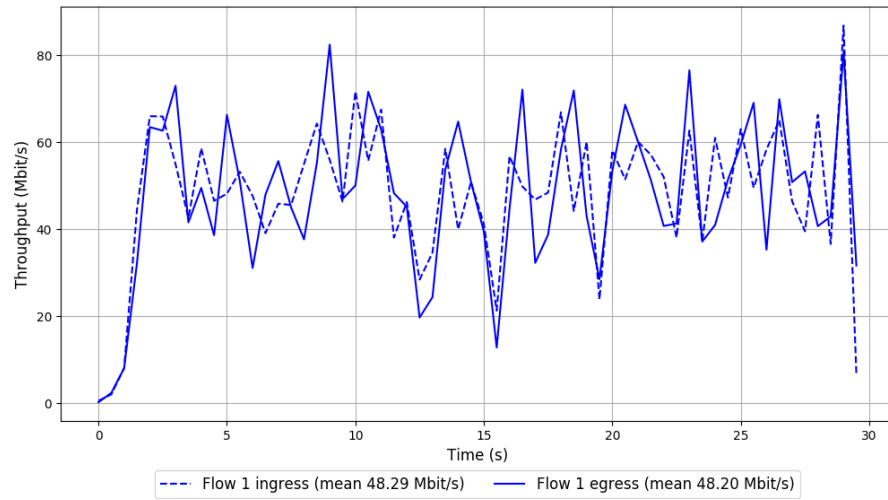
-- Flow 1:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 109.384 ms

Loss rate: 0.18%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-25 20:09:50

End at: 2018-01-25 20:10:20

Below is generated by plot.py at 2018-01-25 21:14:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 112.117 ms

Loss rate: 0.01%

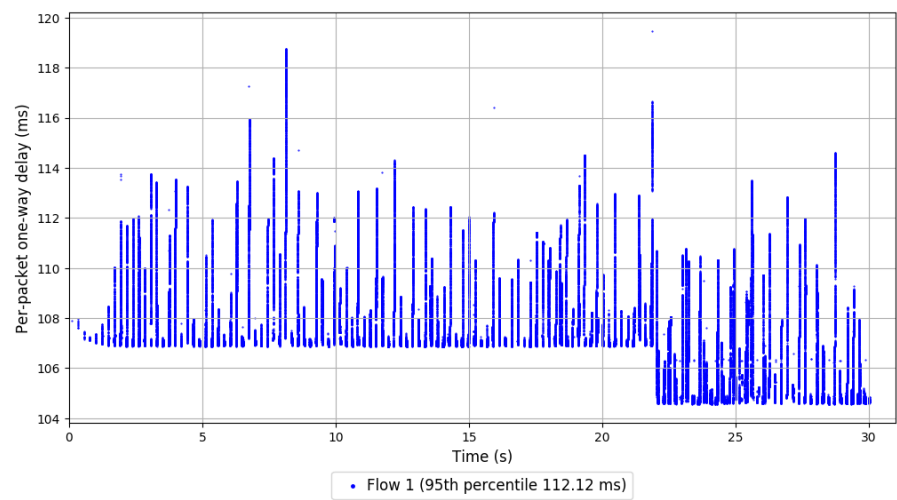
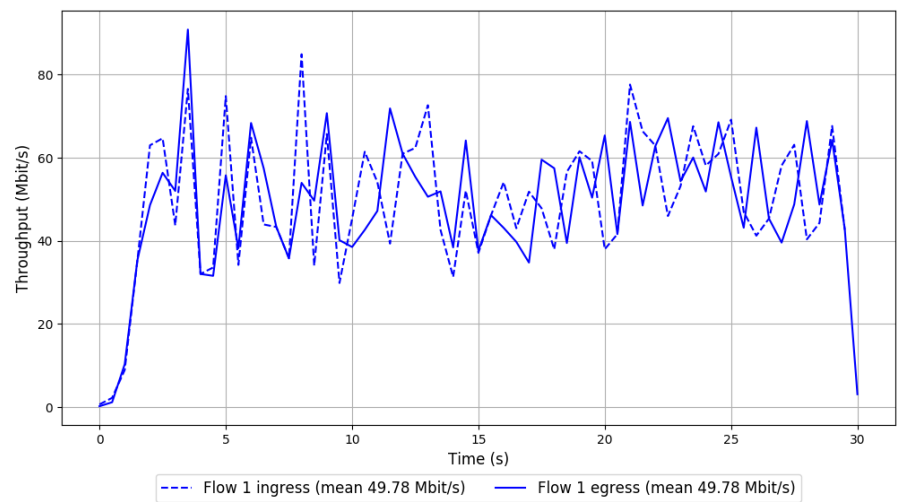
-- Flow 1:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 112.117 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-25 20:22:24

End at: 2018-01-25 20:22:54

Below is generated by plot.py at 2018-01-25 21:14:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 111.516 ms

Loss rate: 0.01%

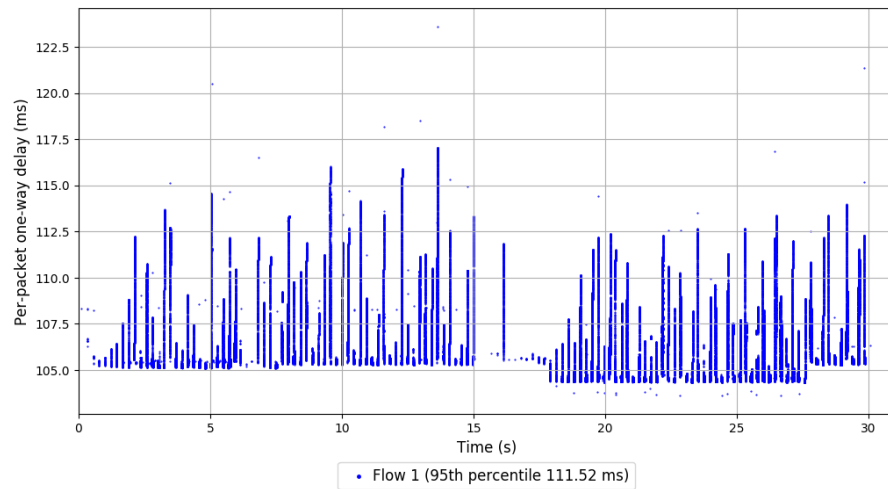
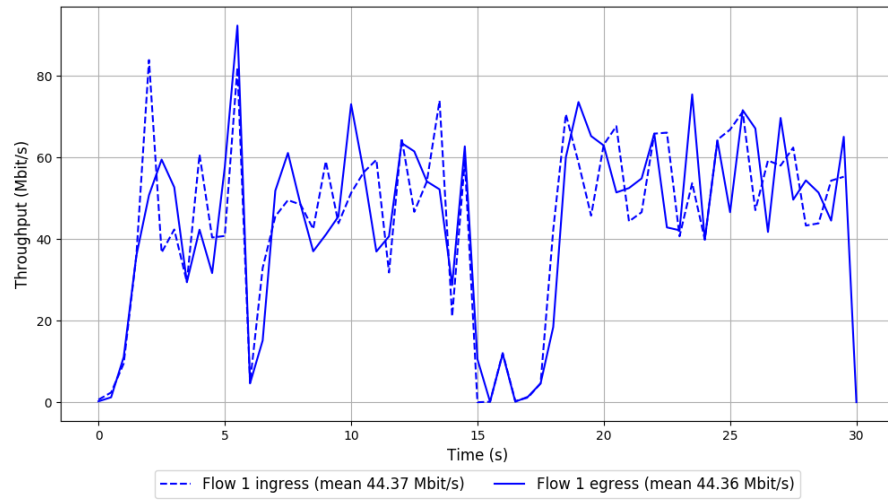
-- Flow 1:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 111.516 ms

Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 18:25:37

End at: 2018-01-25 18:26:07

Below is generated by plot.py at 2018-01-25 21:14:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.16 Mbit/s

95th percentile per-packet one-way delay: 91.370 ms

Loss rate: 0.46%

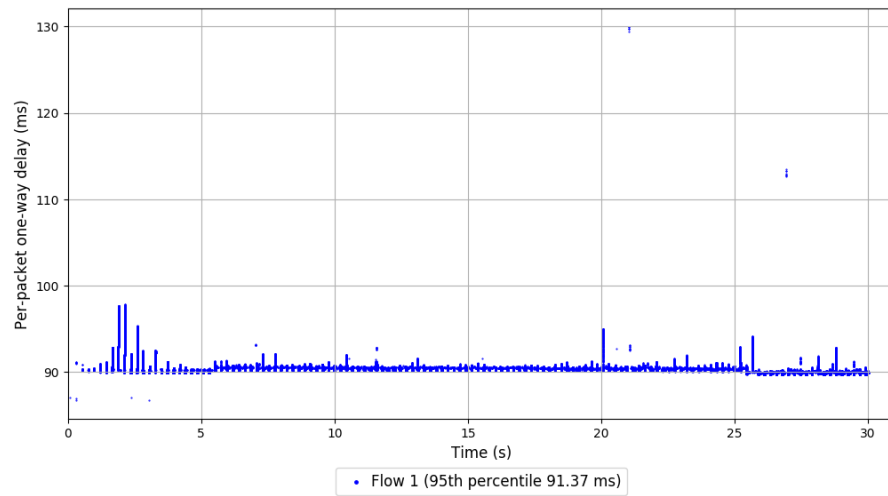
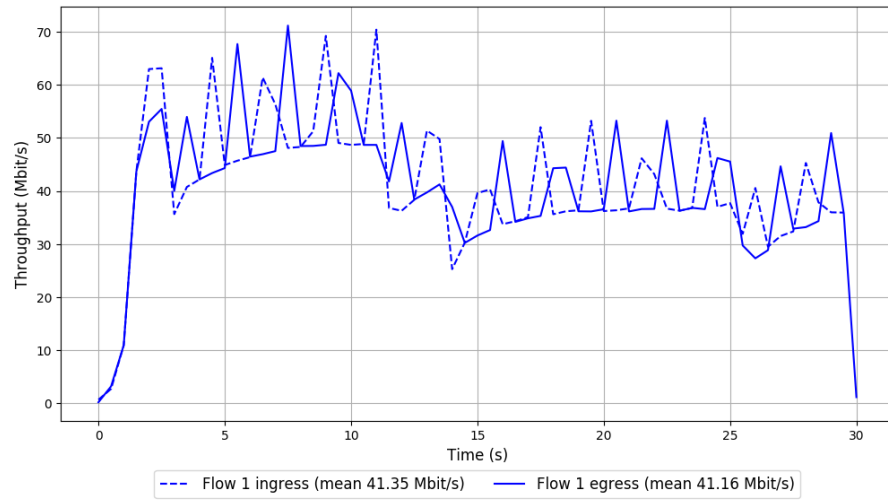
-- Flow 1:

Average throughput: 41.16 Mbit/s

95th percentile per-packet one-way delay: 91.370 ms

Loss rate: 0.46%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-25 18:38:00

End at: 2018-01-25 18:38:30

Below is generated by plot.py at 2018-01-25 21:14:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.87 Mbit/s

95th percentile per-packet one-way delay: 93.797 ms

Loss rate: 0.10%

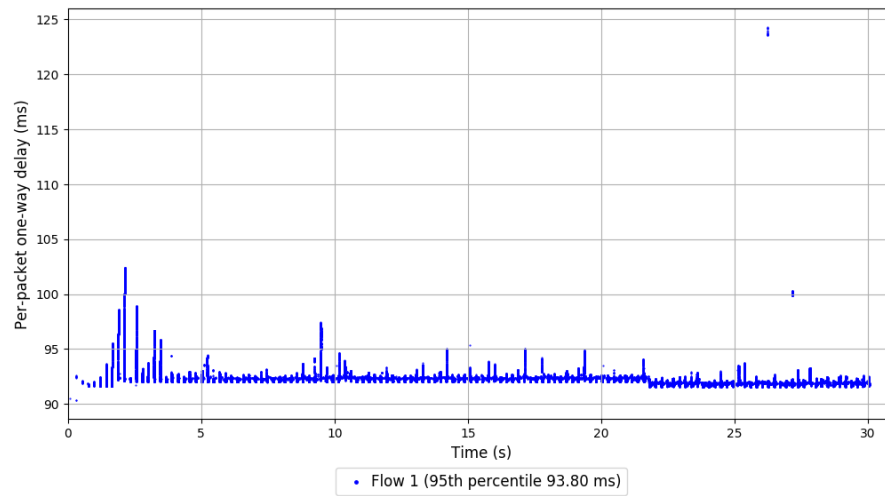
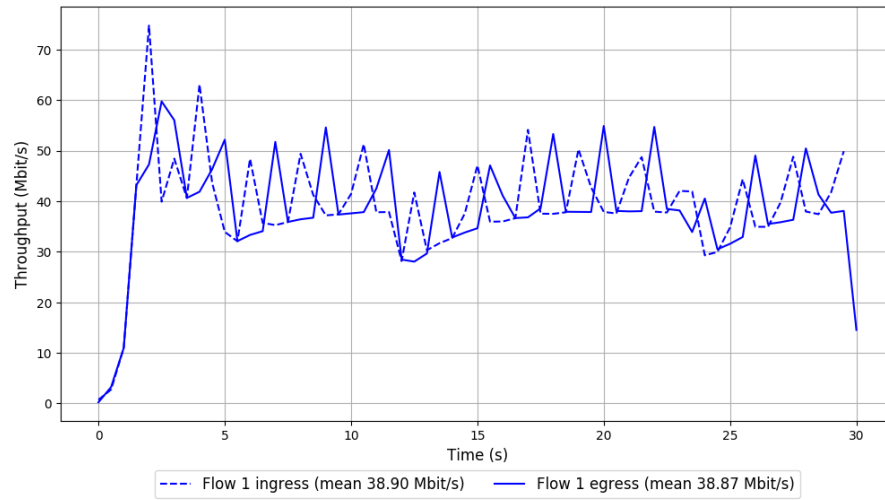
-- Flow 1:

Average throughput: 38.87 Mbit/s

95th percentile per-packet one-way delay: 93.797 ms

Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-25 18:50:46

End at: 2018-01-25 18:51:16

Below is generated by plot.py at 2018-01-25 21:14:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 91.851 ms

Loss rate: 1.20%

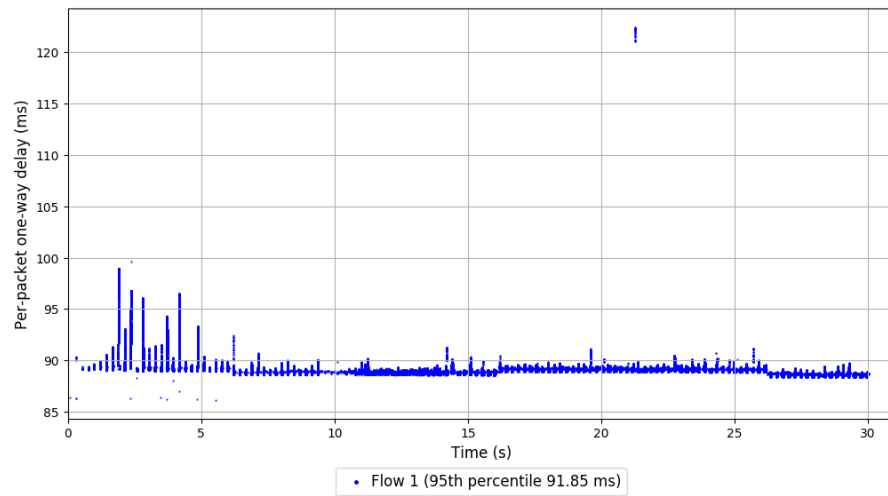
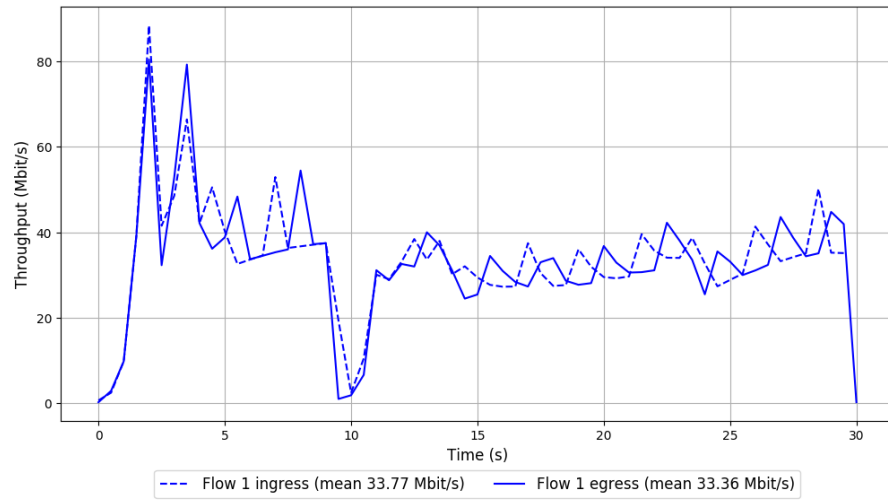
-- Flow 1:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 91.851 ms

Loss rate: 1.20%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-25 19:03:31

End at: 2018-01-25 19:04:01

Below is generated by plot.py at 2018-01-25 21:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 84.341 ms

Loss rate: 0.46%

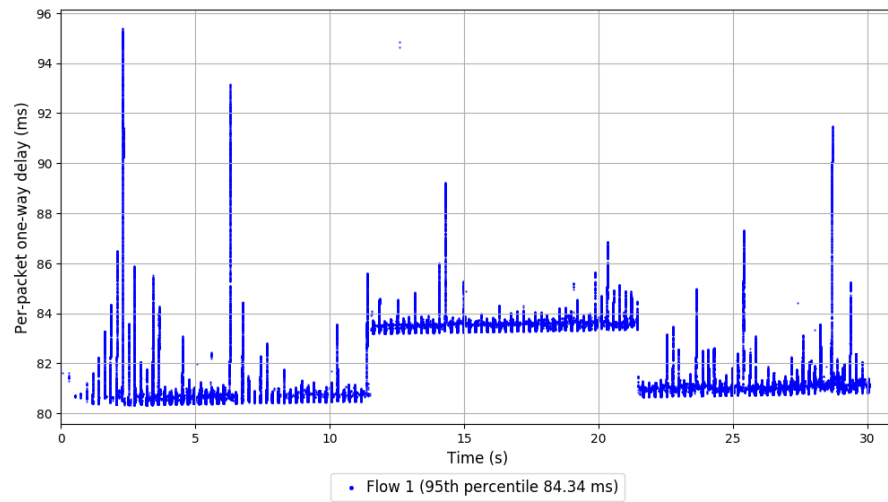
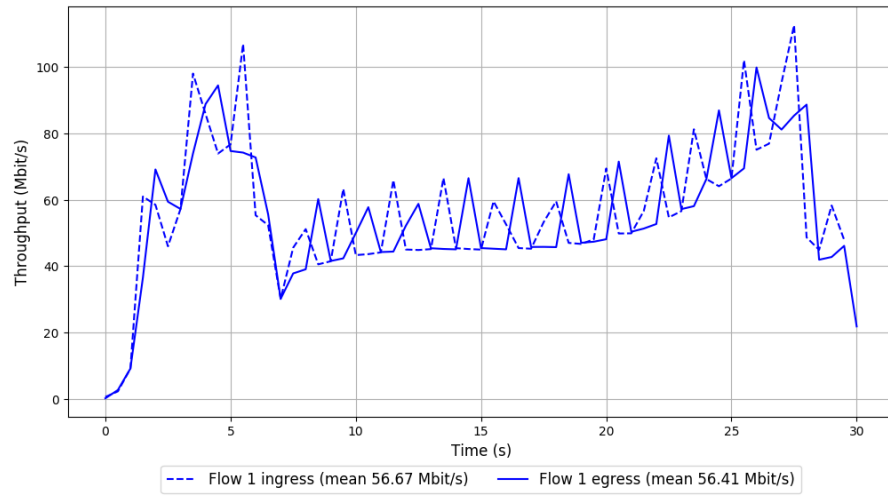
-- Flow 1:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 84.341 ms

Loss rate: 0.46%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-25 19:16:23

End at: 2018-01-25 19:16:53

Below is generated by plot.py at 2018-01-25 21:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.73 Mbit/s

95th percentile per-packet one-way delay: 92.736 ms

Loss rate: 0.08%

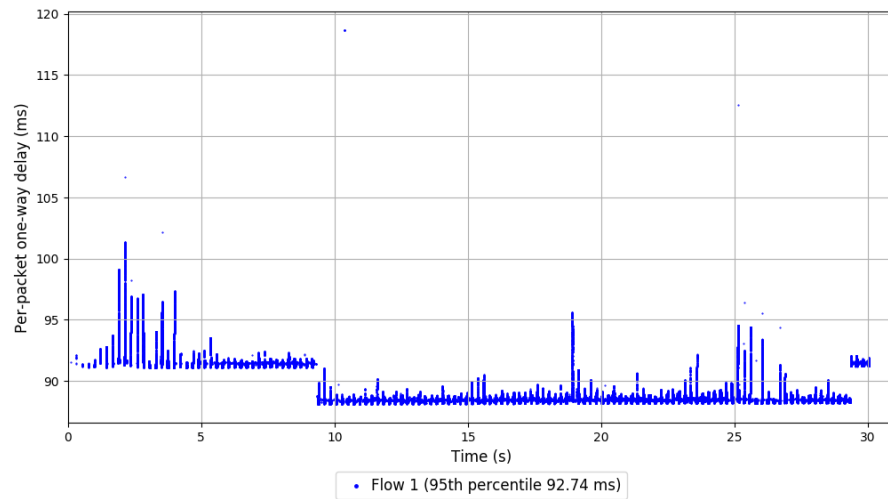
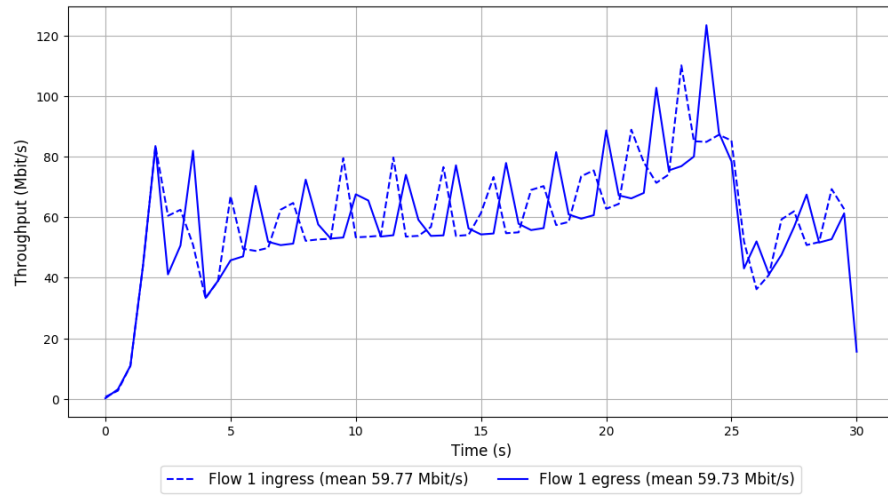
-- Flow 1:

Average throughput: 59.73 Mbit/s

95th percentile per-packet one-way delay: 92.736 ms

Loss rate: 0.08%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-25 19:29:06

End at: 2018-01-25 19:29:36

Below is generated by plot.py at 2018-01-25 21:14:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.19 Mbit/s

95th percentile per-packet one-way delay: 95.714 ms

Loss rate: 0.06%

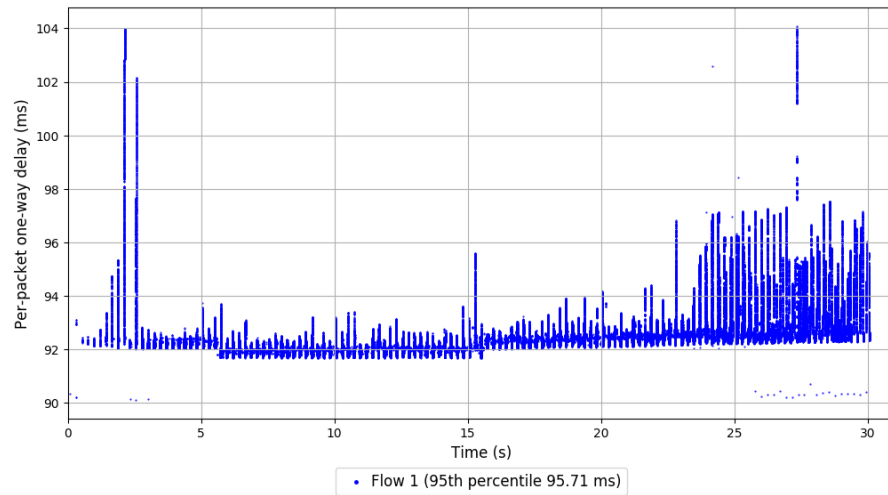
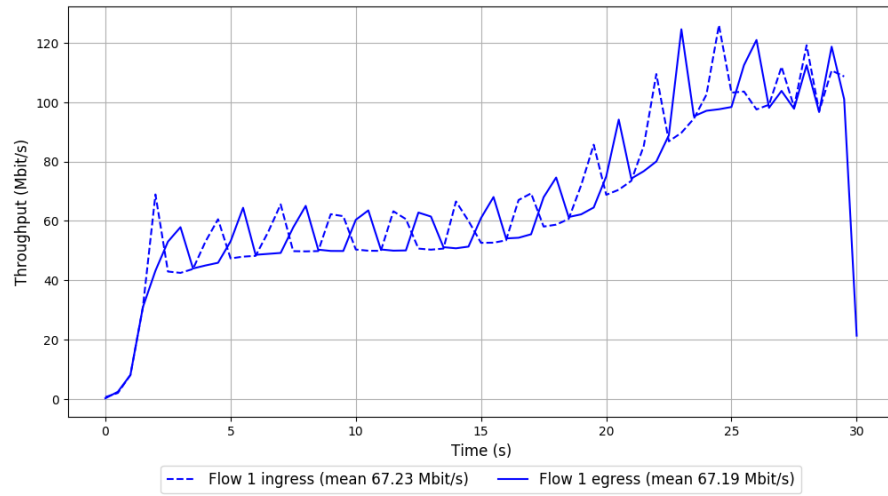
-- Flow 1:

Average throughput: 67.19 Mbit/s

95th percentile per-packet one-way delay: 95.714 ms

Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-25 19:41:29

End at: 2018-01-25 19:41:59

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 110.494 ms

Loss rate: 0.18%

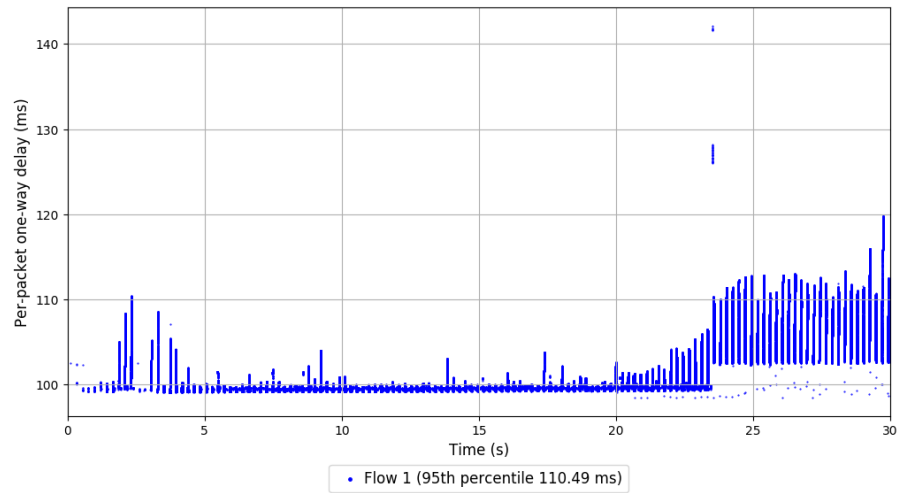
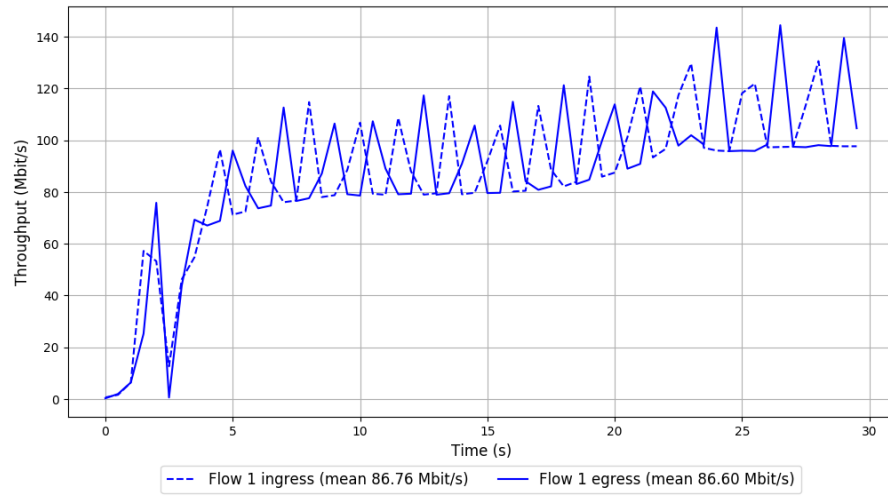
-- Flow 1:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 110.494 ms

Loss rate: 0.18%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-25 19:54:09

End at: 2018-01-25 19:54:39

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: 107.479 ms

Loss rate: 0.00%

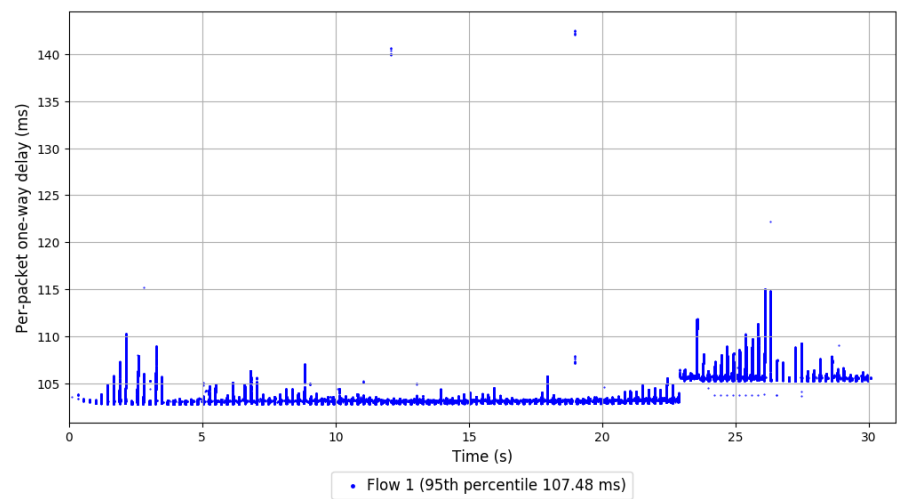
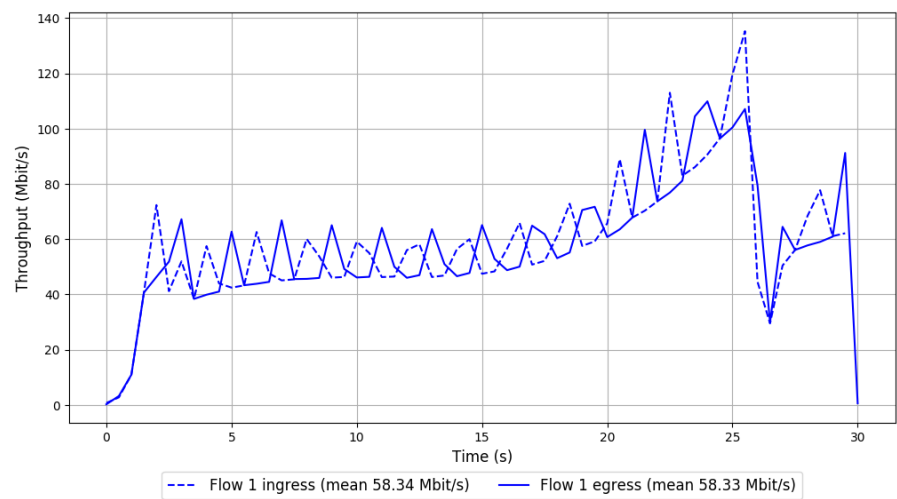
-- Flow 1:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: 107.479 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-25 20:06:57

End at: 2018-01-25 20:07:27

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.54 Mbit/s

95th percentile per-packet one-way delay: 109.481 ms

Loss rate: 0.00%

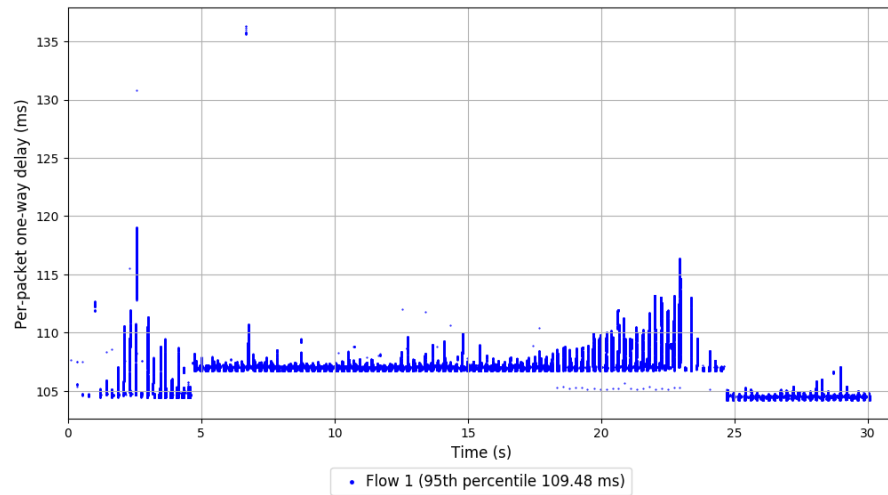
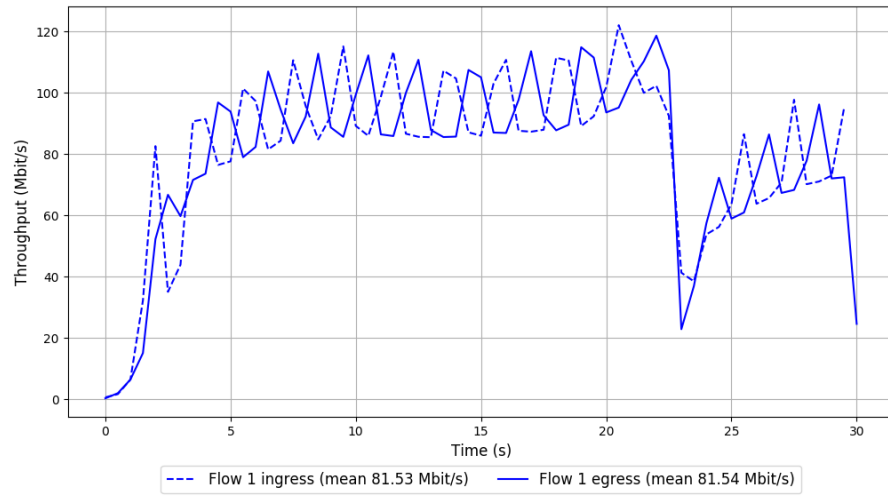
-- Flow 1:

Average throughput: 81.54 Mbit/s

95th percentile per-packet one-way delay: 109.481 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-25 20:19:33

End at: 2018-01-25 20:20:03

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 106.183 ms

Loss rate: 0.01%

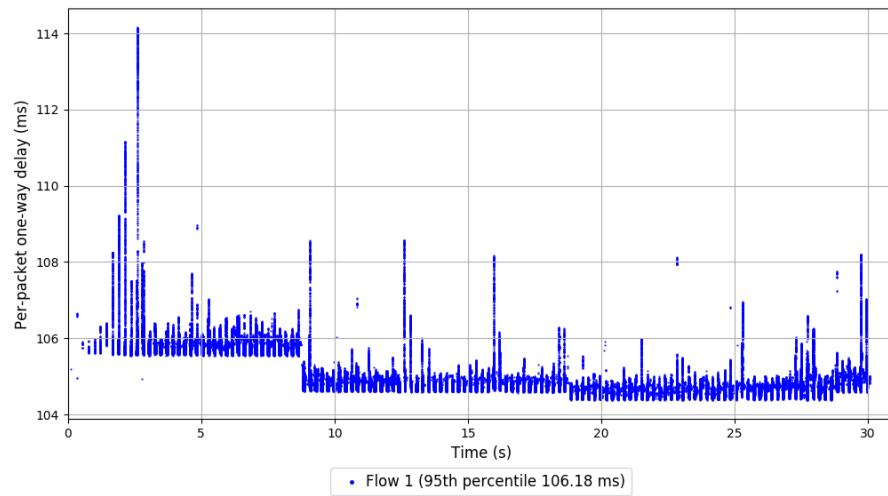
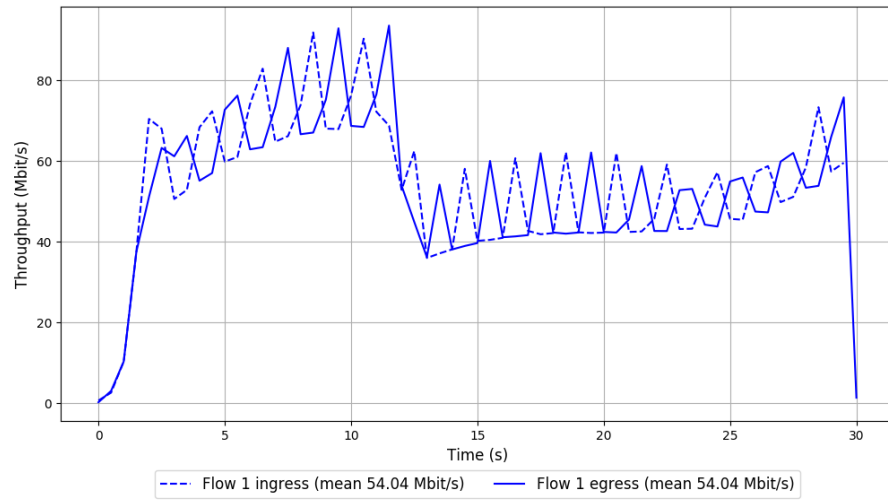
-- Flow 1:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 106.183 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

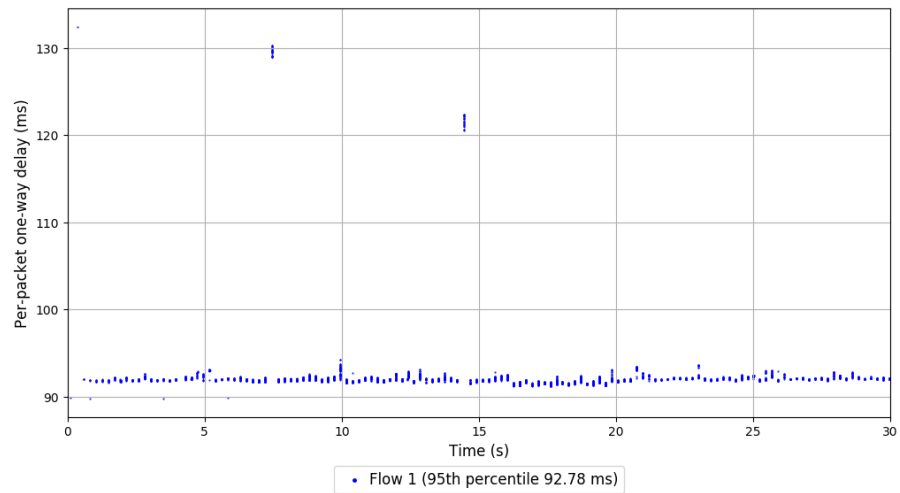
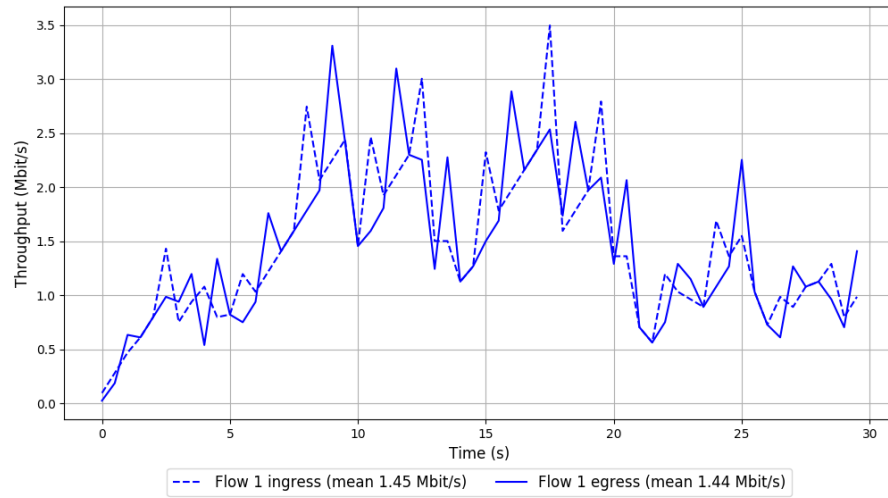


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-25 18:33:32
End at: 2018-01-25 18:34:02

# Below is generated by plot.py at 2018-01-25 21:15:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 92.785 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 92.785 ms
Loss rate: 0.38%
```


Run 1: Report of LEDBAT — Data Link

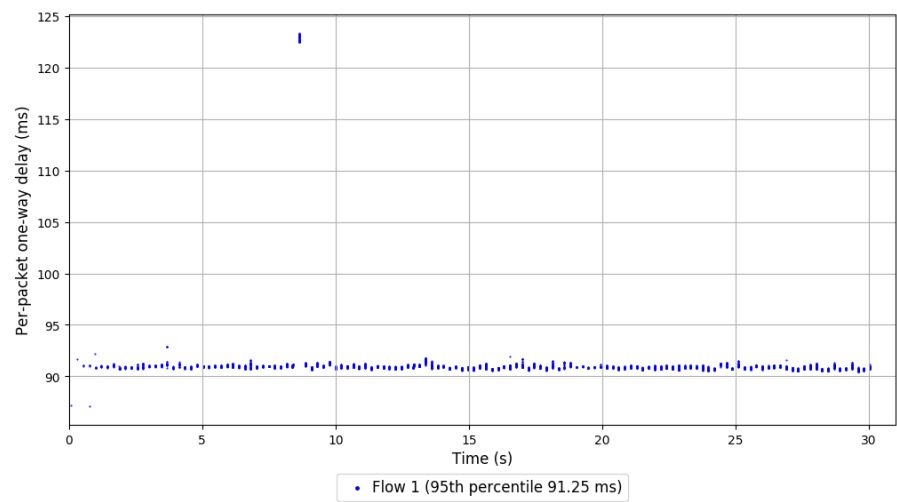
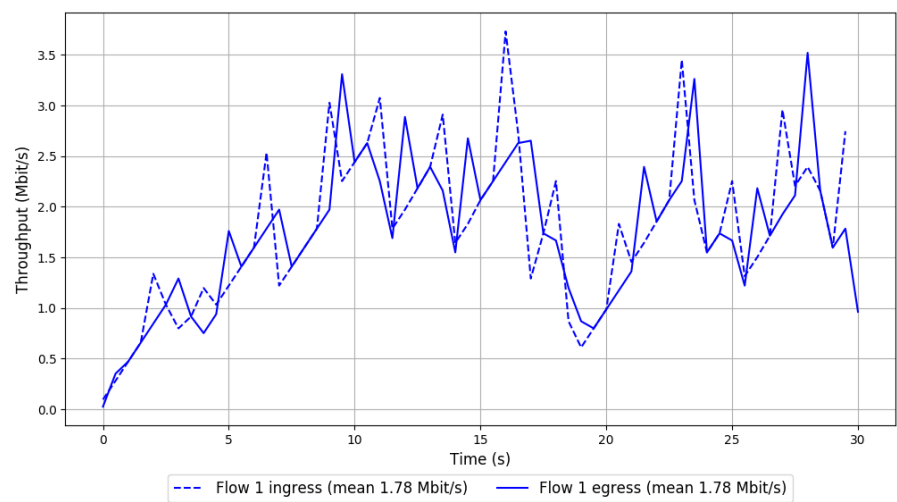


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-25 18:46:18
End at: 2018-01-25 18:46:48

# Below is generated by plot.py at 2018-01-25 21:15:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 91.248 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 91.248 ms
Loss rate: 0.02%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-25 18:59:01

End at: 2018-01-25 18:59:31

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 82.889 ms

Loss rate: 0.31%

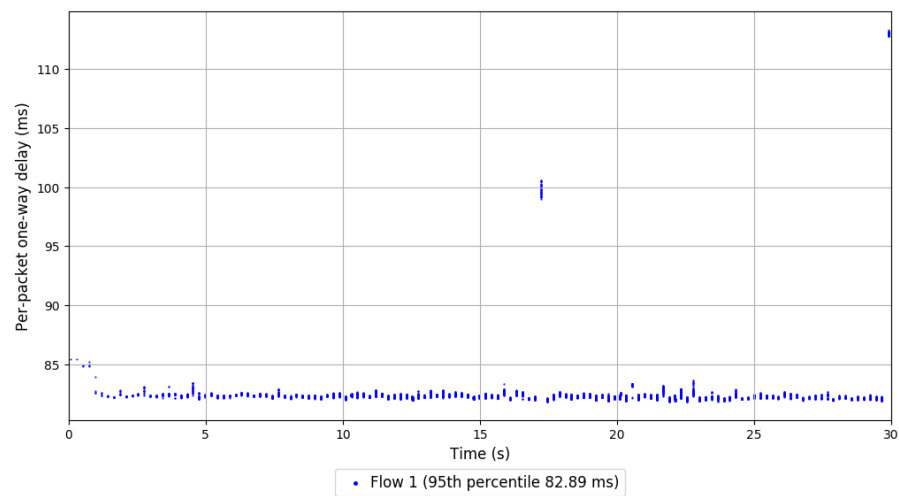
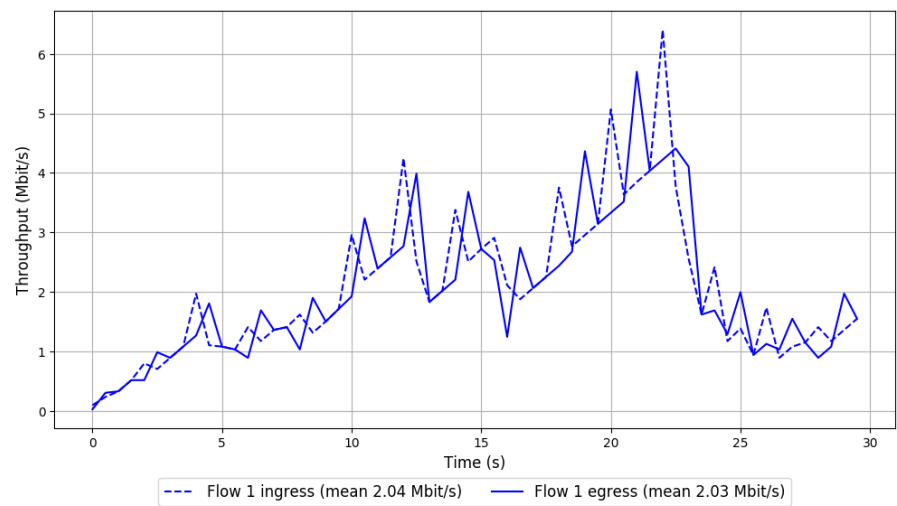
-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 82.889 ms

Loss rate: 0.31%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-25 19:11:45

End at: 2018-01-25 19:12:15

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 89.934 ms

Loss rate: 1.89%

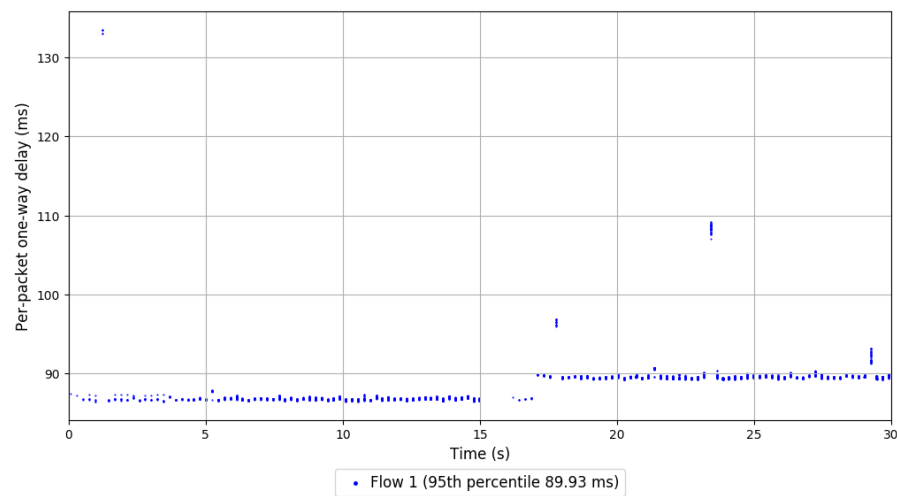
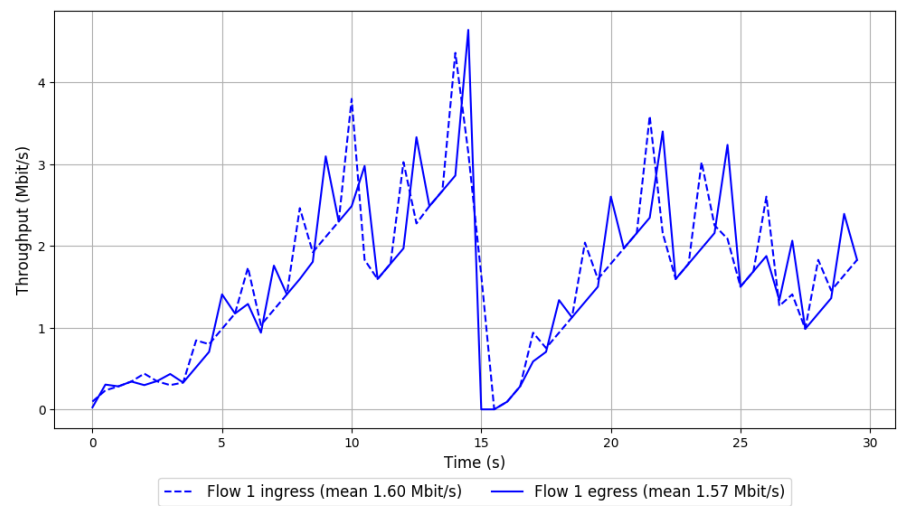
-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 89.934 ms

Loss rate: 1.89%

Run 4: Report of LEDBAT — Data Link

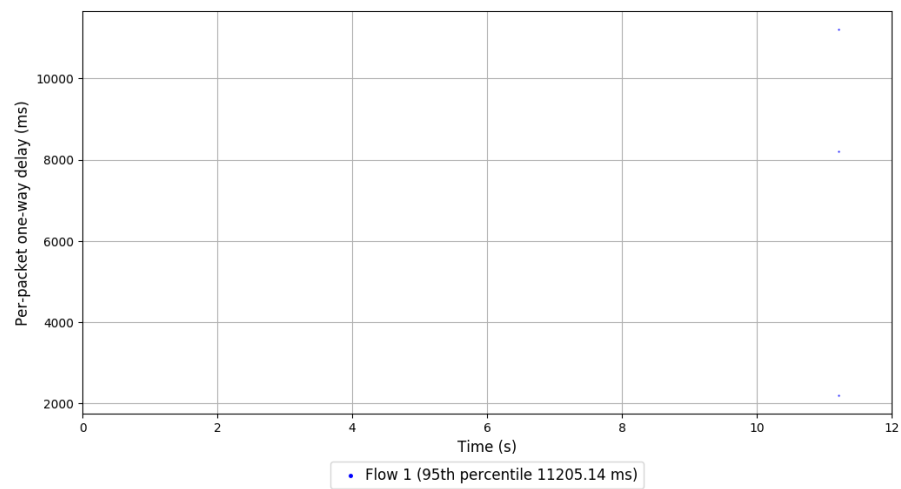
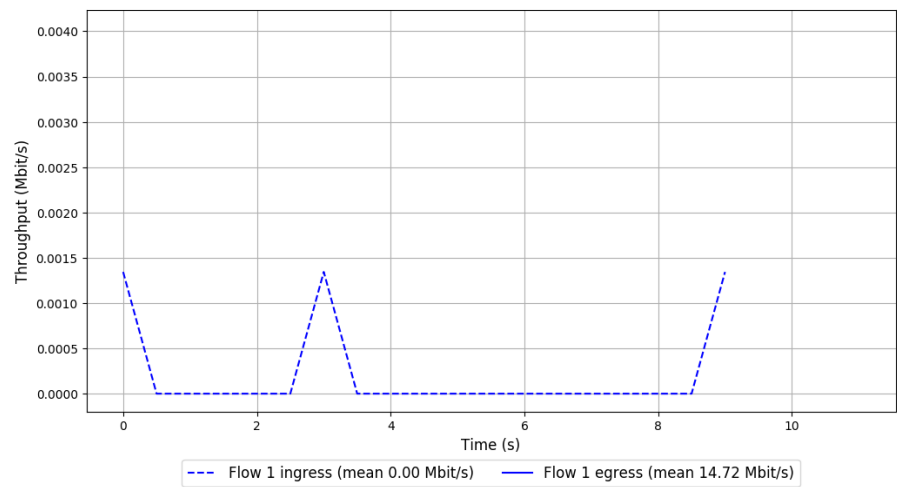


Run 5: Statistics of LEDBAT

Start at: 2018-01-25 19:24:39

End at: 2018-01-25 19:25:09

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-25 19:37:02

End at: 2018-01-25 19:37:32

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 100.110 ms

Loss rate: 0.03%

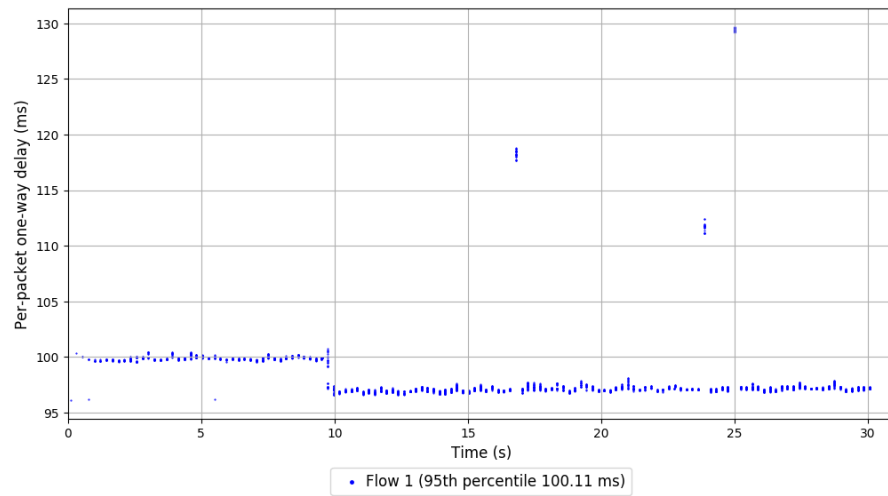
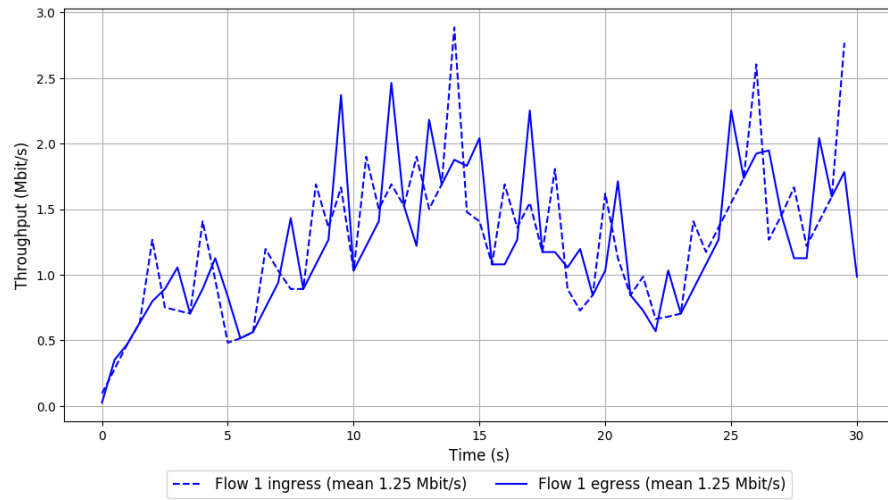
-- Flow 1:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 100.110 ms

Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-25 19:49:41

End at: 2018-01-25 19:50:11

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 104.833 ms

Loss rate: 0.20%

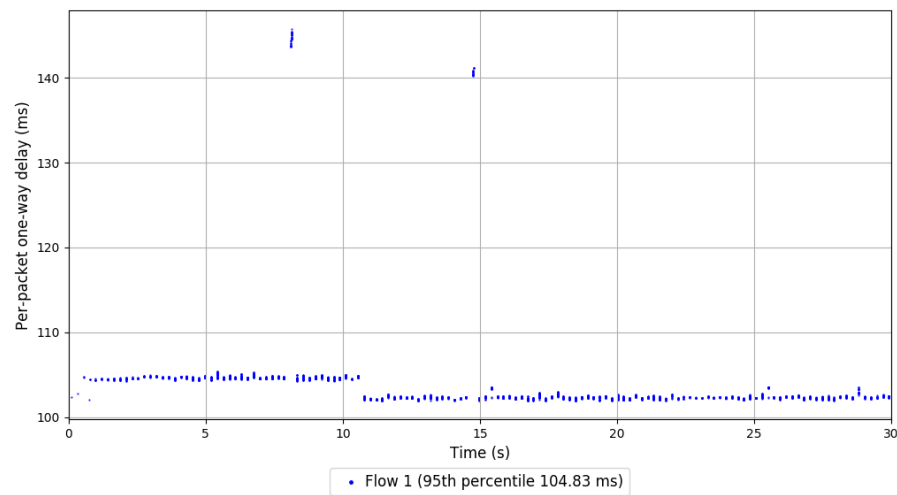
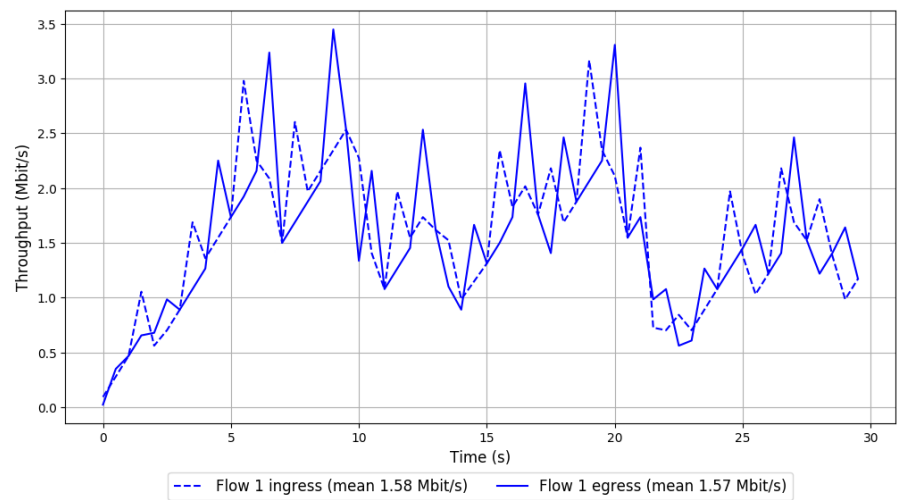
-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 104.833 ms

Loss rate: 0.20%

Run 7: Report of LEDBAT — Data Link

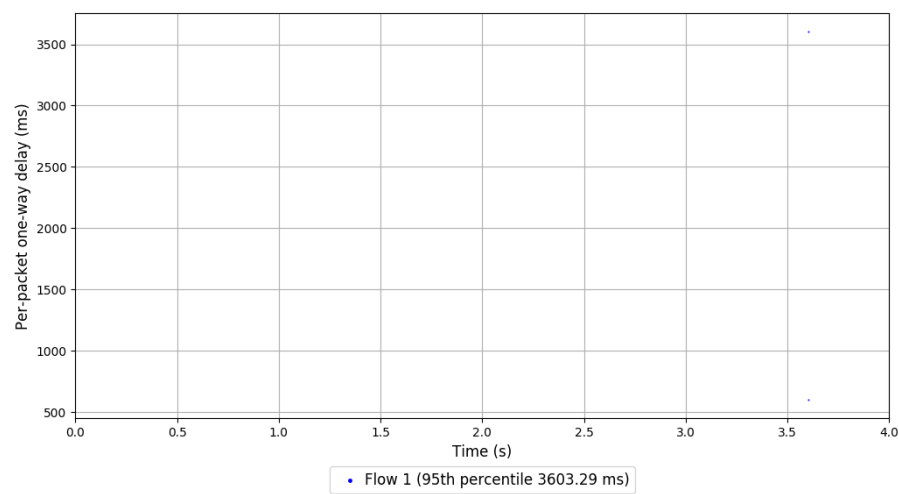
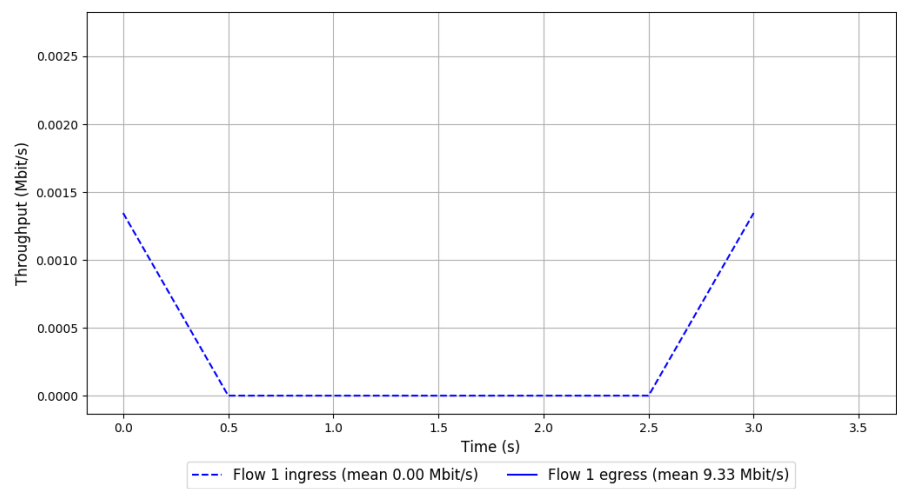


Run 8: Statistics of LEDBAT

Start at: 2018-01-25 20:02:32

End at: 2018-01-25 20:03:02

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-25 20:14:58

End at: 2018-01-25 20:15:28

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 106.428 ms

Loss rate: 0.00%

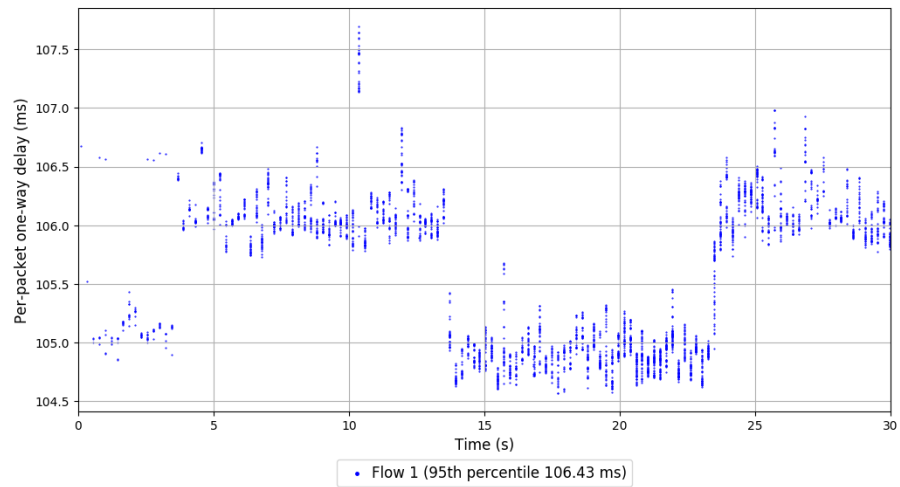
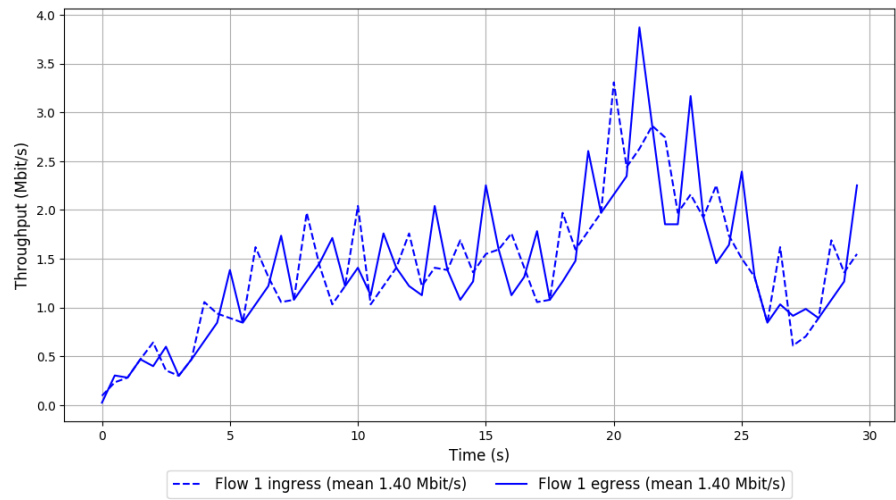
-- Flow 1:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 106.428 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-25 20:27:44

End at: 2018-01-25 20:28:14

Below is generated by plot.py at 2018-01-25 21:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 107.063 ms

Loss rate: 0.26%

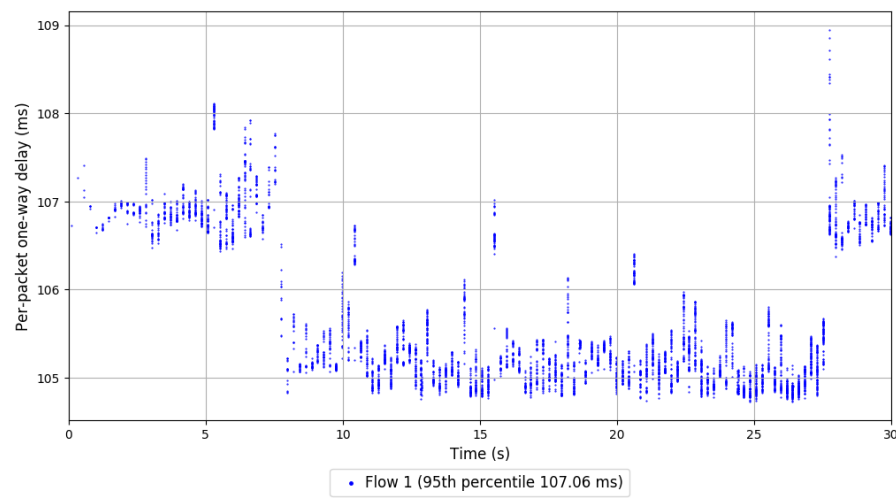
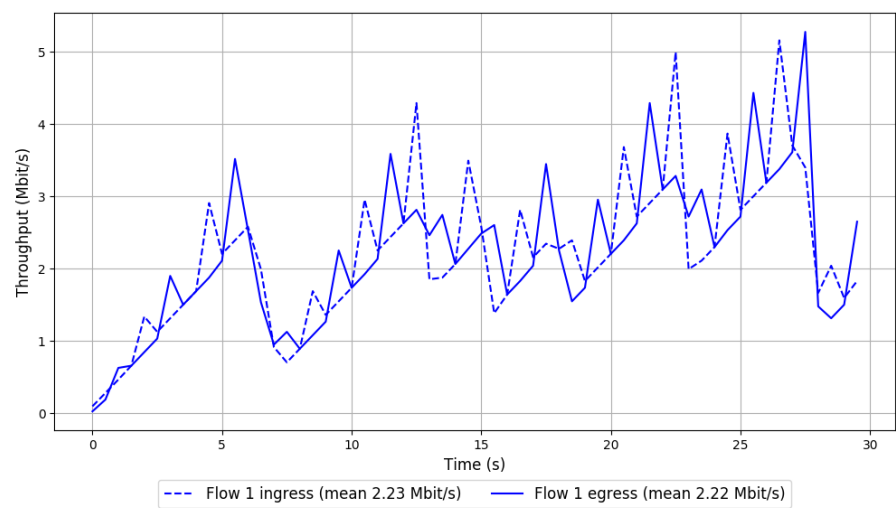
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 107.063 ms

Loss rate: 0.26%

Run 10: Report of LEDBAT — Data Link

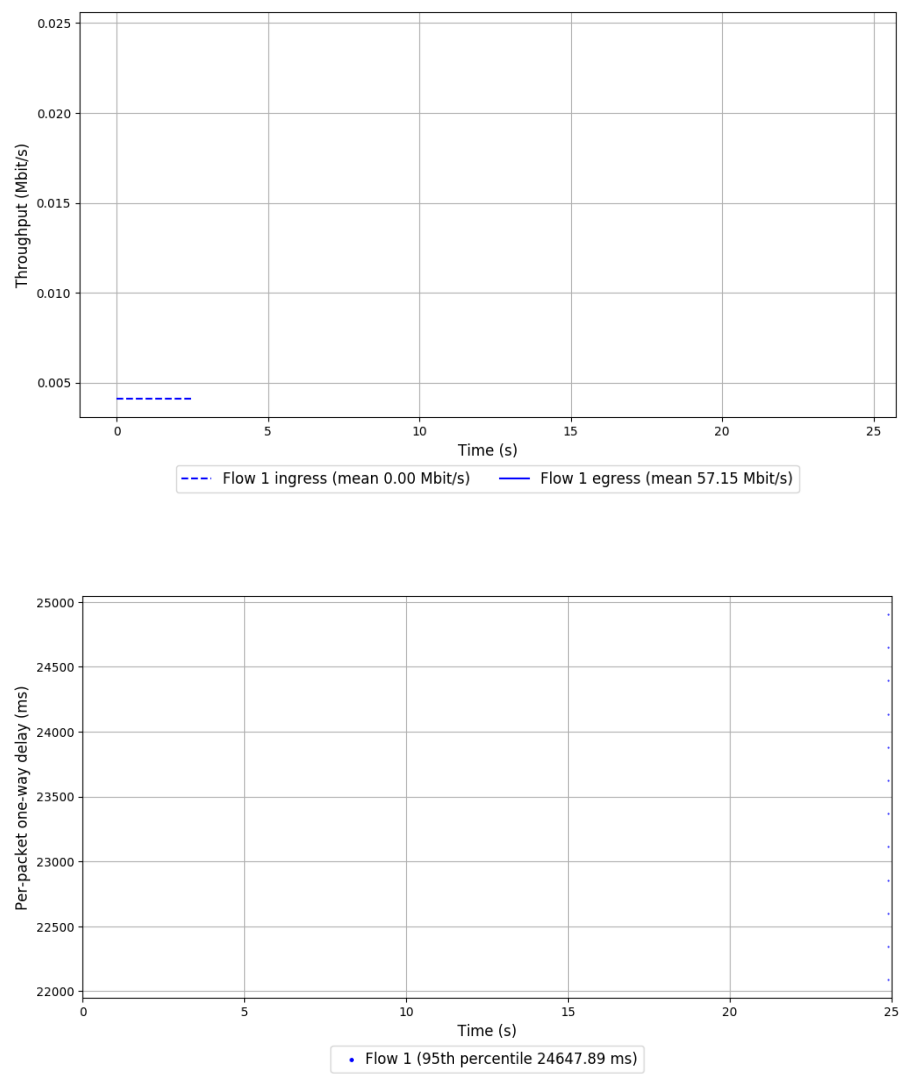


Run 1: Statistics of PCC

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

End at: 2018-01-25 18:31:33

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-25 18:43:23

End at: 2018-01-25 18:43:53

Below is generated by plot.py at 2018-01-25 21:25:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 577.60 Mbit/s

95th percentile per-packet one-way delay: 134.873 ms

Loss rate: 0.90%

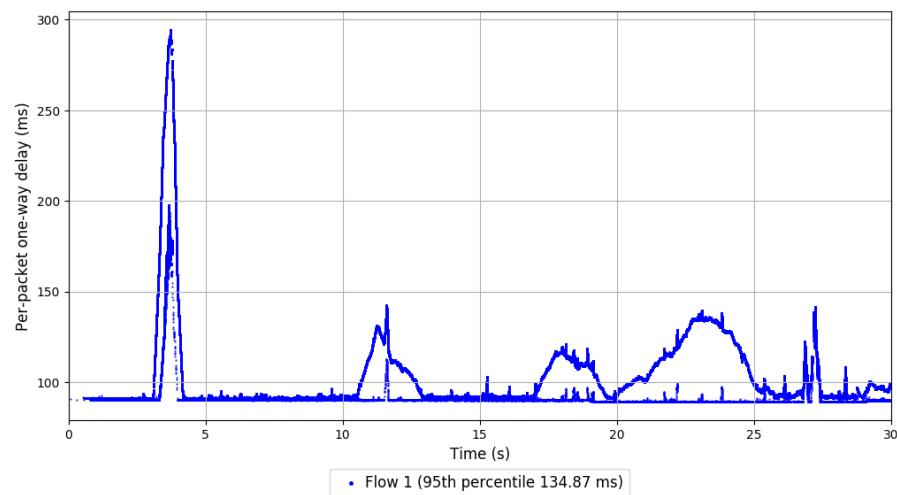
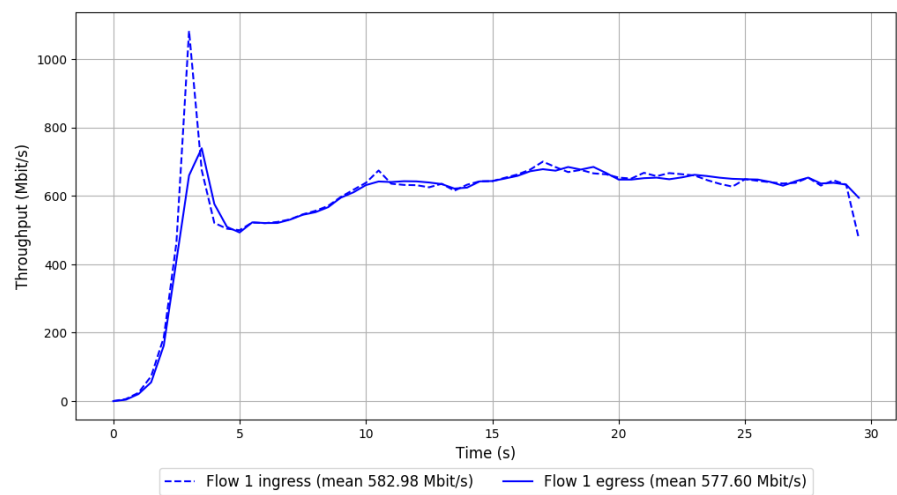
-- Flow 1:

Average throughput: 577.60 Mbit/s

95th percentile per-packet one-way delay: 134.873 ms

Loss rate: 0.90%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-25 18:56:07

End at: 2018-01-25 18:56:37

Below is generated by plot.py at 2018-01-25 21:25:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 564.62 Mbit/s

95th percentile per-packet one-way delay: 137.031 ms

Loss rate: 0.85%

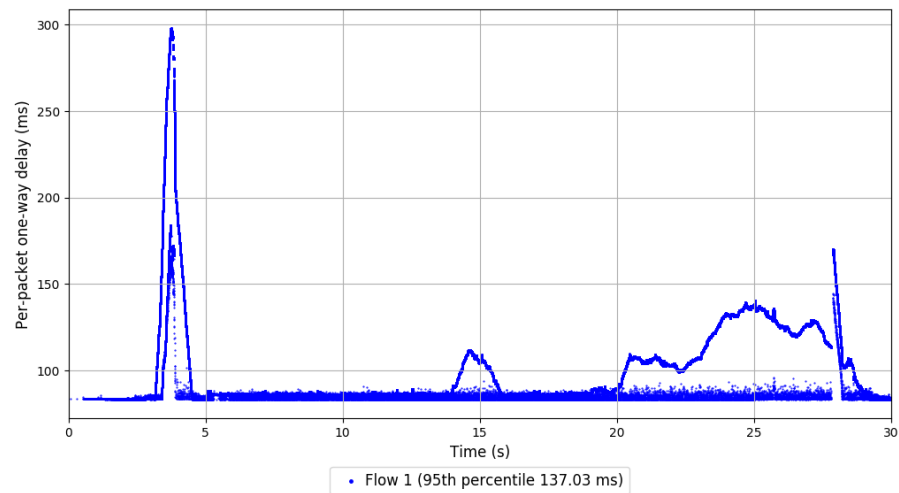
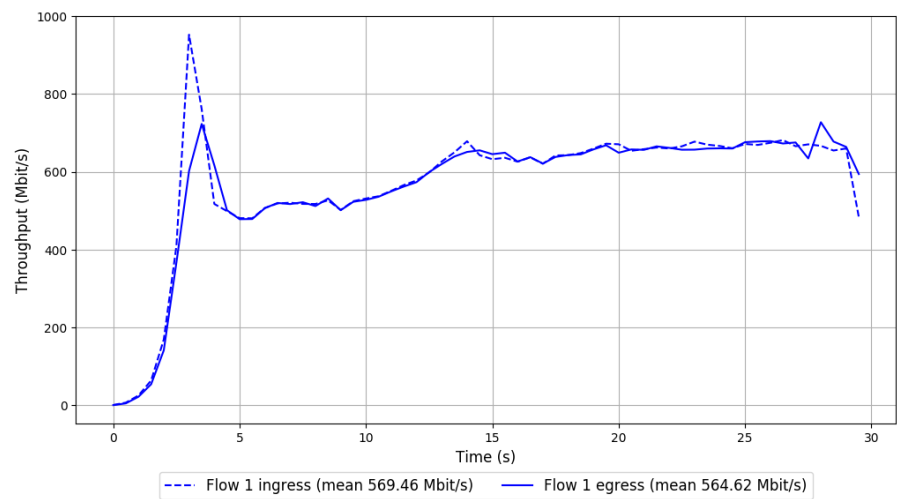
-- Flow 1:

Average throughput: 564.62 Mbit/s

95th percentile per-packet one-way delay: 137.031 ms

Loss rate: 0.85%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-25 19:08:52

End at: 2018-01-25 19:09:22

Below is generated by plot.py at 2018-01-25 21:25:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.39 Mbit/s

95th percentile per-packet one-way delay: 106.428 ms

Loss rate: 1.04%

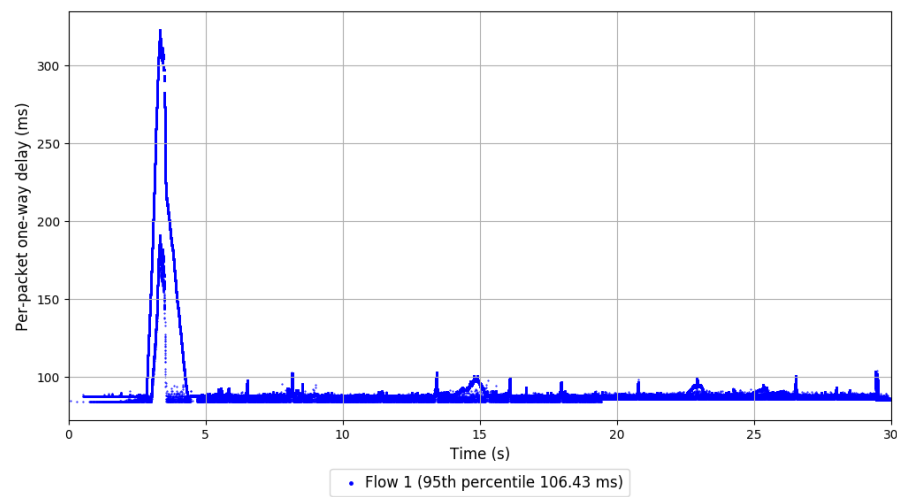
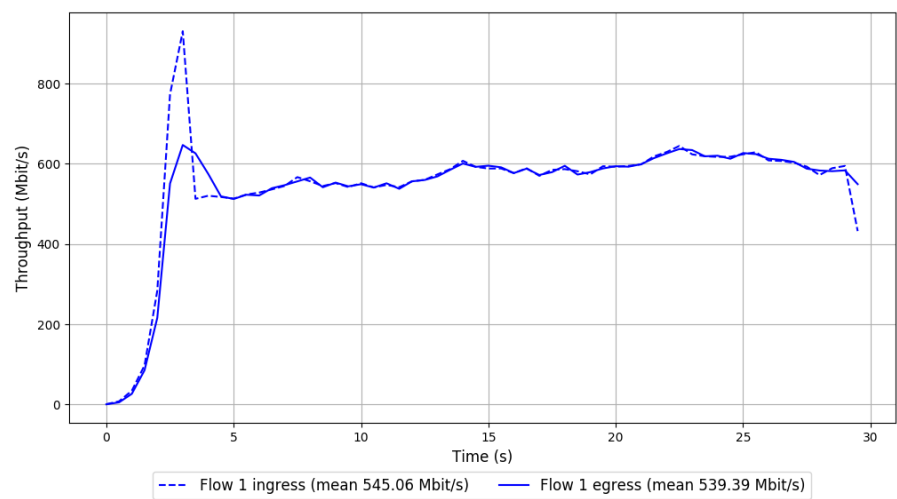
-- Flow 1:

Average throughput: 539.39 Mbit/s

95th percentile per-packet one-way delay: 106.428 ms

Loss rate: 1.04%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-25 19:21:47

End at: 2018-01-25 19:22:17

Below is generated by plot.py at 2018-01-25 21:25:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.77 Mbit/s

95th percentile per-packet one-way delay: 144.266 ms

Loss rate: 1.00%

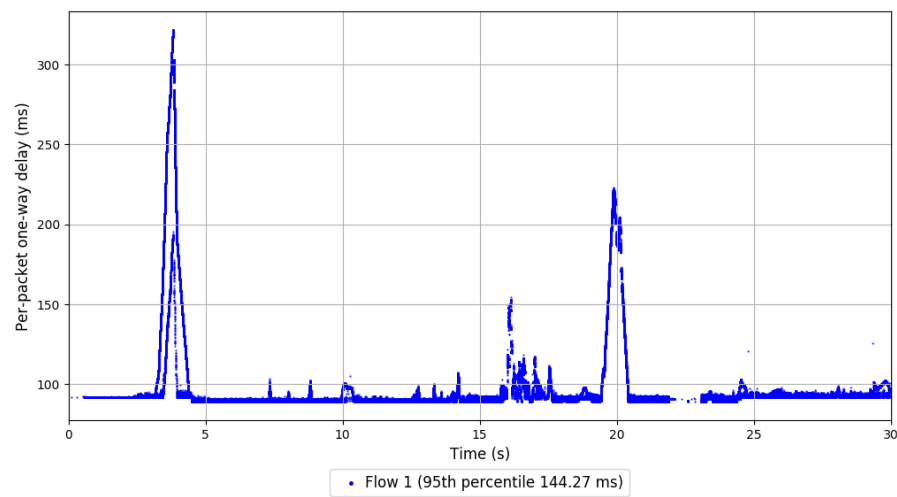
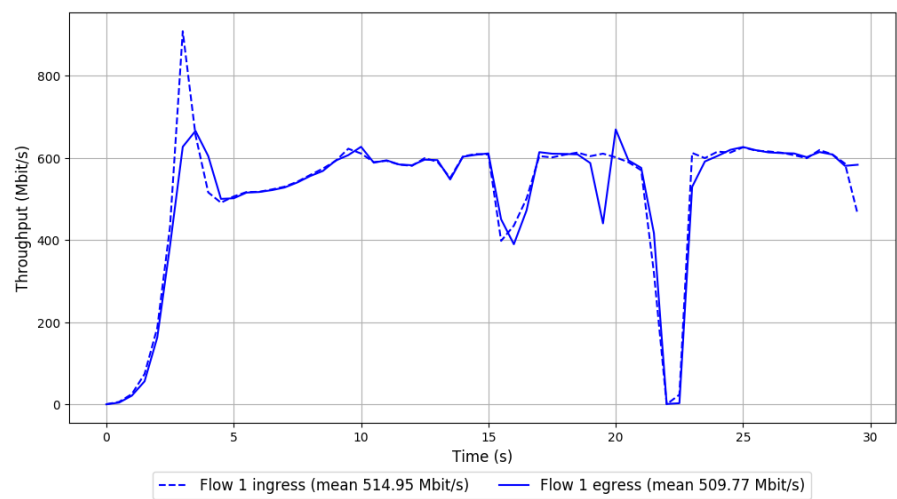
-- Flow 1:

Average throughput: 509.77 Mbit/s

95th percentile per-packet one-way delay: 144.266 ms

Loss rate: 1.00%

Run 5: Report of PCC — Data Link

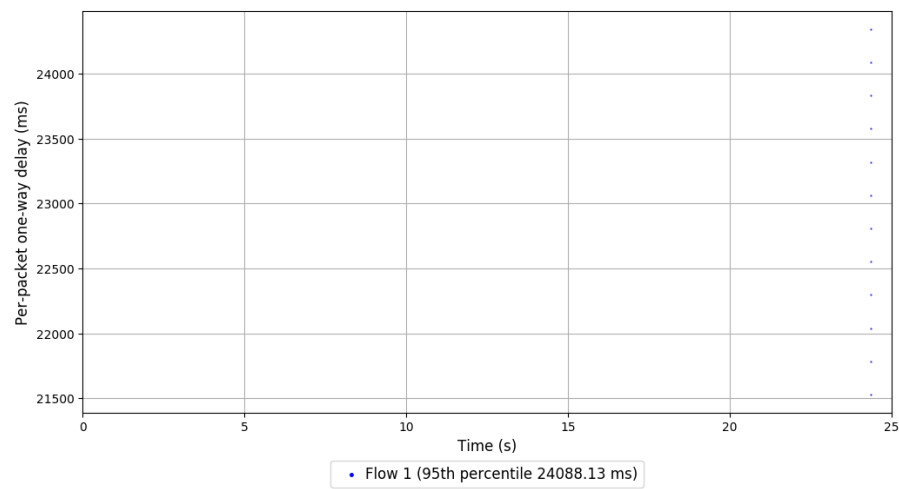
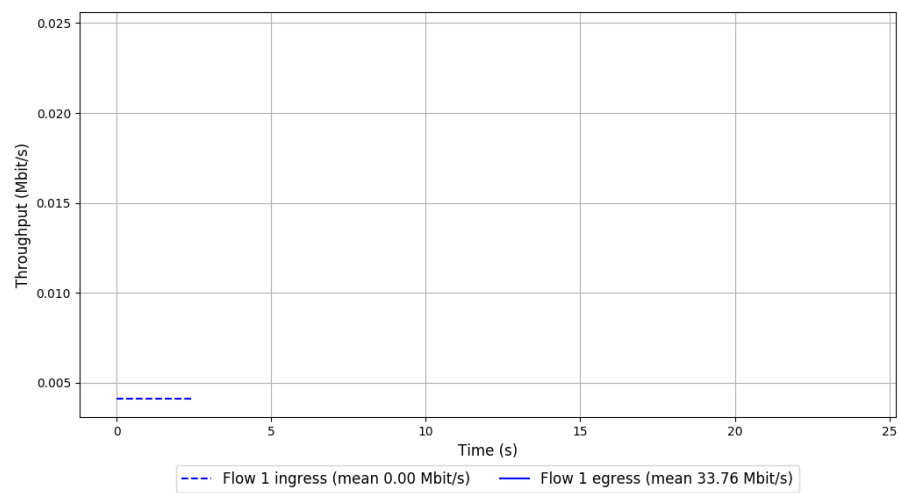


Run 6: Statistics of PCC

Start at: 2018-01-25 19:34:35

End at: 2018-01-25 19:35:05

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-25 19:46:50

End at: 2018-01-25 19:47:20

Below is generated by plot.py at 2018-01-25 21:25:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.70 Mbit/s

95th percentile per-packet one-way delay: 114.697 ms

Loss rate: 0.80%

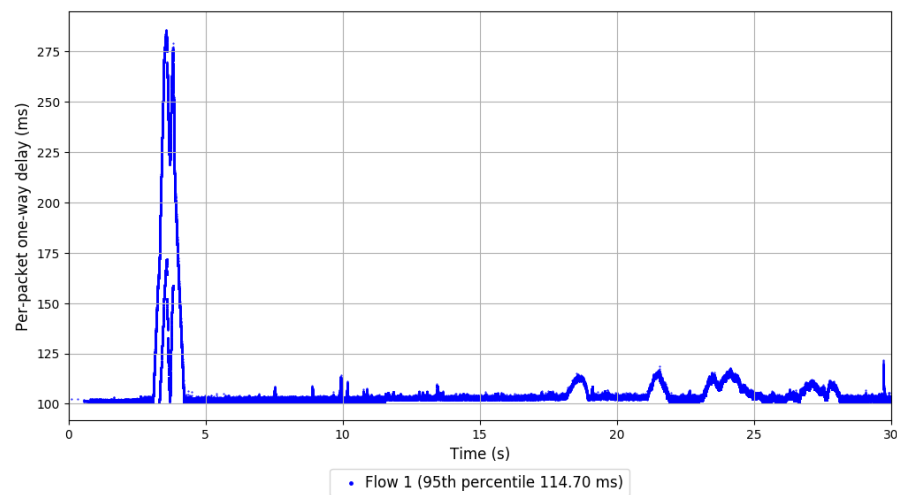
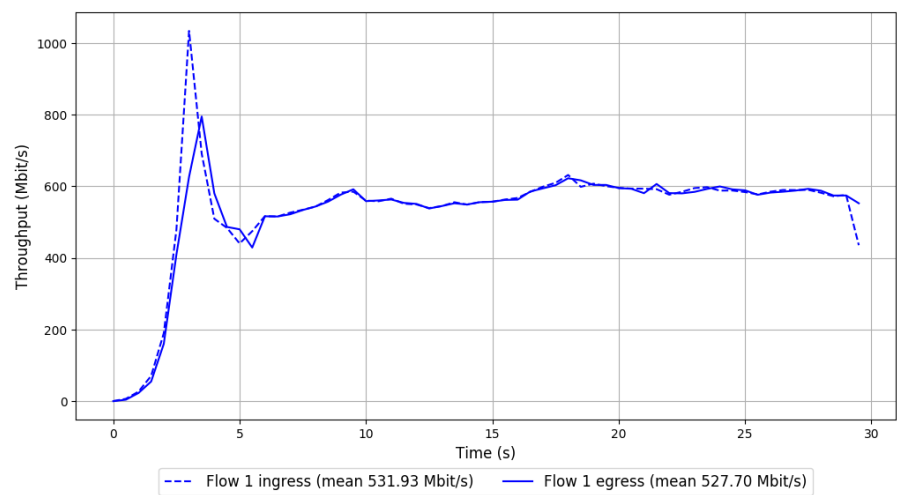
-- Flow 1:

Average throughput: 527.70 Mbit/s

95th percentile per-packet one-way delay: 114.697 ms

Loss rate: 0.80%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-25 19:59:37

End at: 2018-01-25 20:00:07

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 559.30 Mbit/s

95th percentile per-packet one-way delay: 148.706 ms

Loss rate: 1.04%

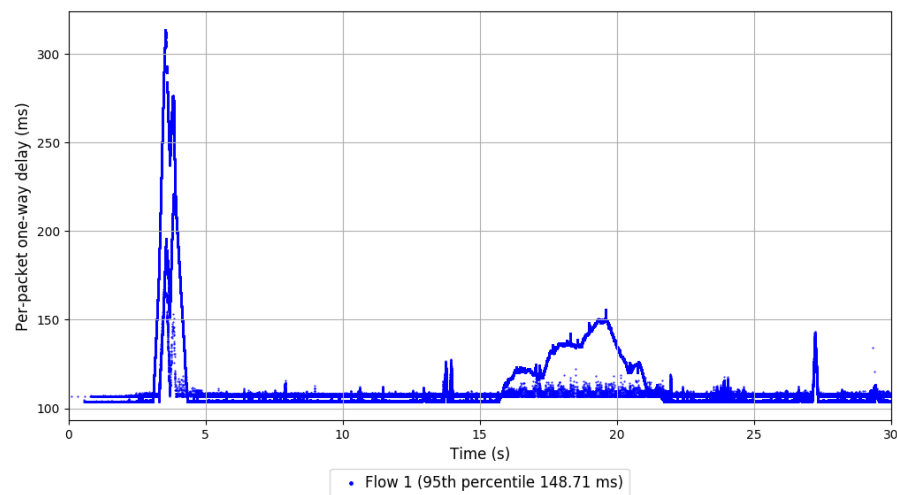
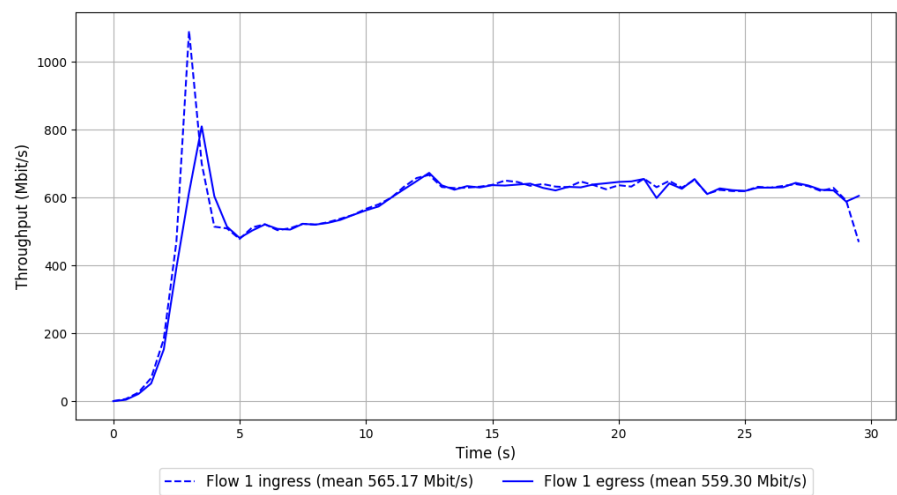
-- Flow 1:

Average throughput: 559.30 Mbit/s

95th percentile per-packet one-way delay: 148.706 ms

Loss rate: 1.04%

Run 8: Report of PCC — Data Link

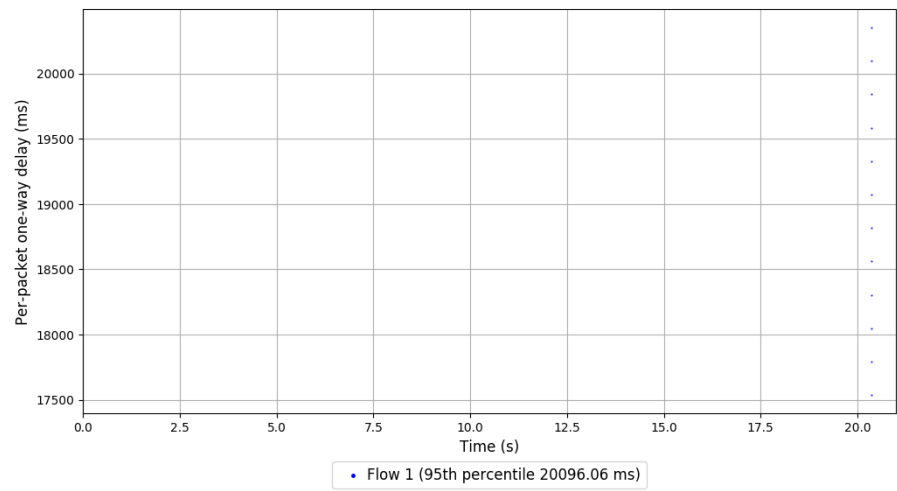
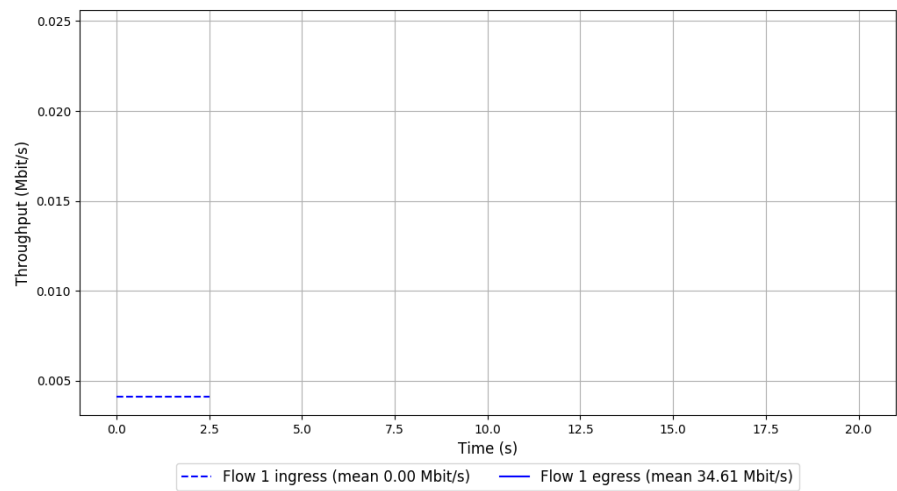


Run 9: Statistics of PCC

Start at: 2018-01-25 20:12:30

End at: 2018-01-25 20:13:00

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-25 20:24:53

End at: 2018-01-25 20:25:23

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.45 Mbit/s

95th percentile per-packet one-way delay: 137.581 ms

Loss rate: 0.53%

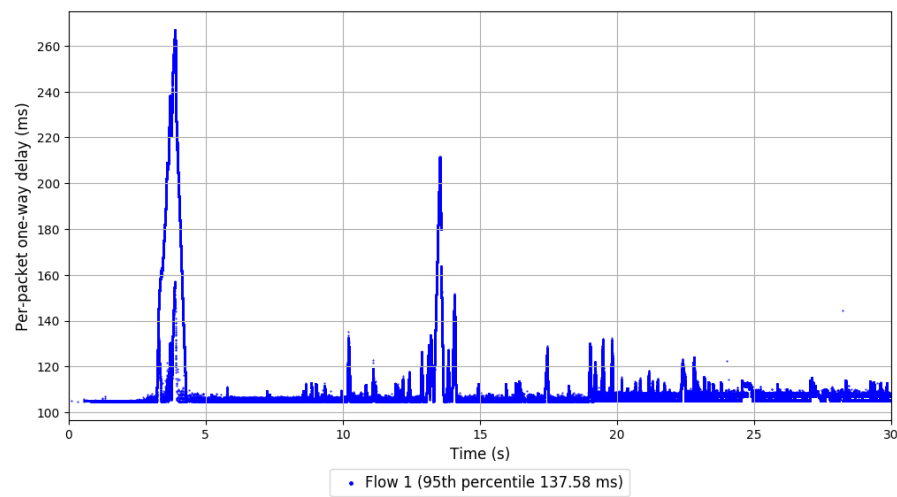
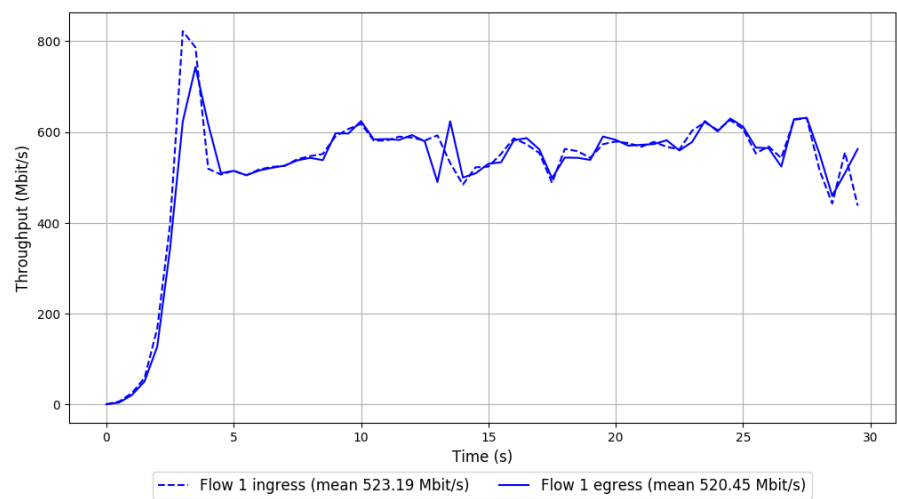
-- Flow 1:

Average throughput: 520.45 Mbit/s

95th percentile per-packet one-way delay: 137.581 ms

Loss rate: 0.53%

Run 10: Report of PCC — Data Link

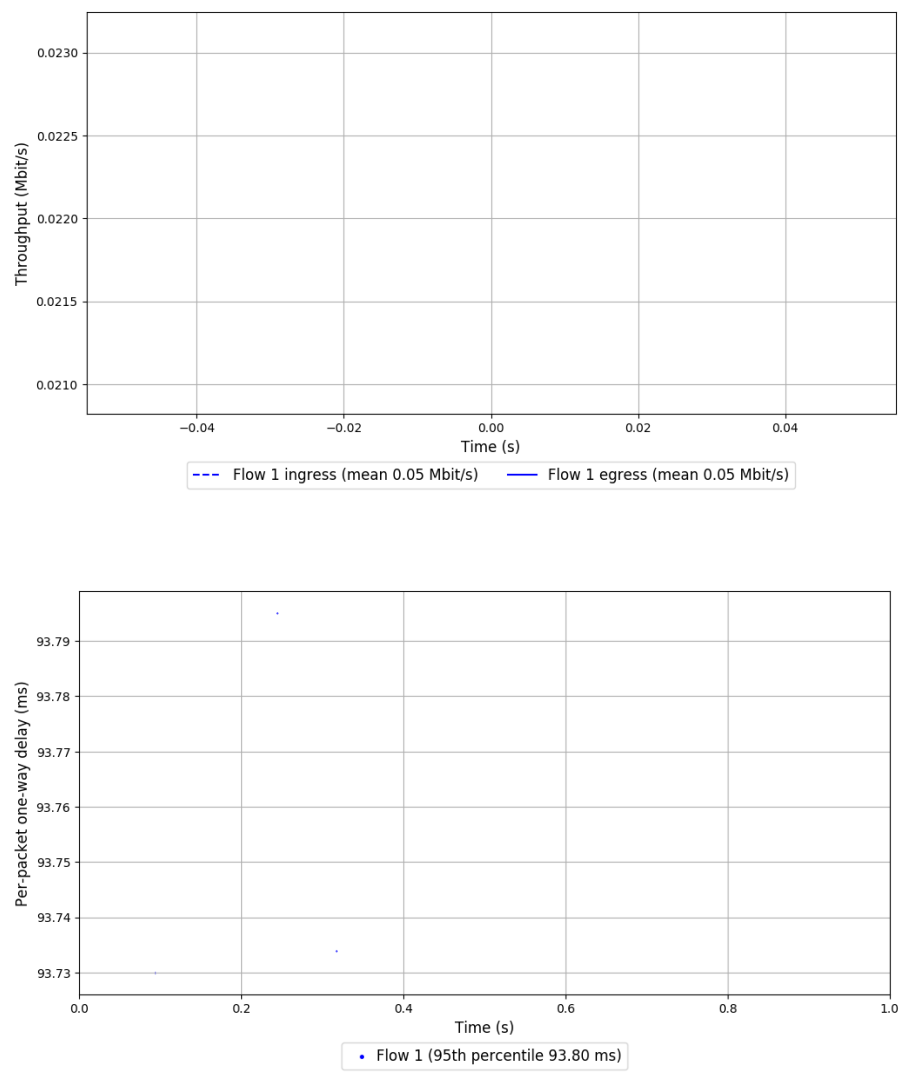


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-25 18:35:38

End at: 2018-01-25 18:36:08

Run 1: Report of QUIC Cubic — Data Link

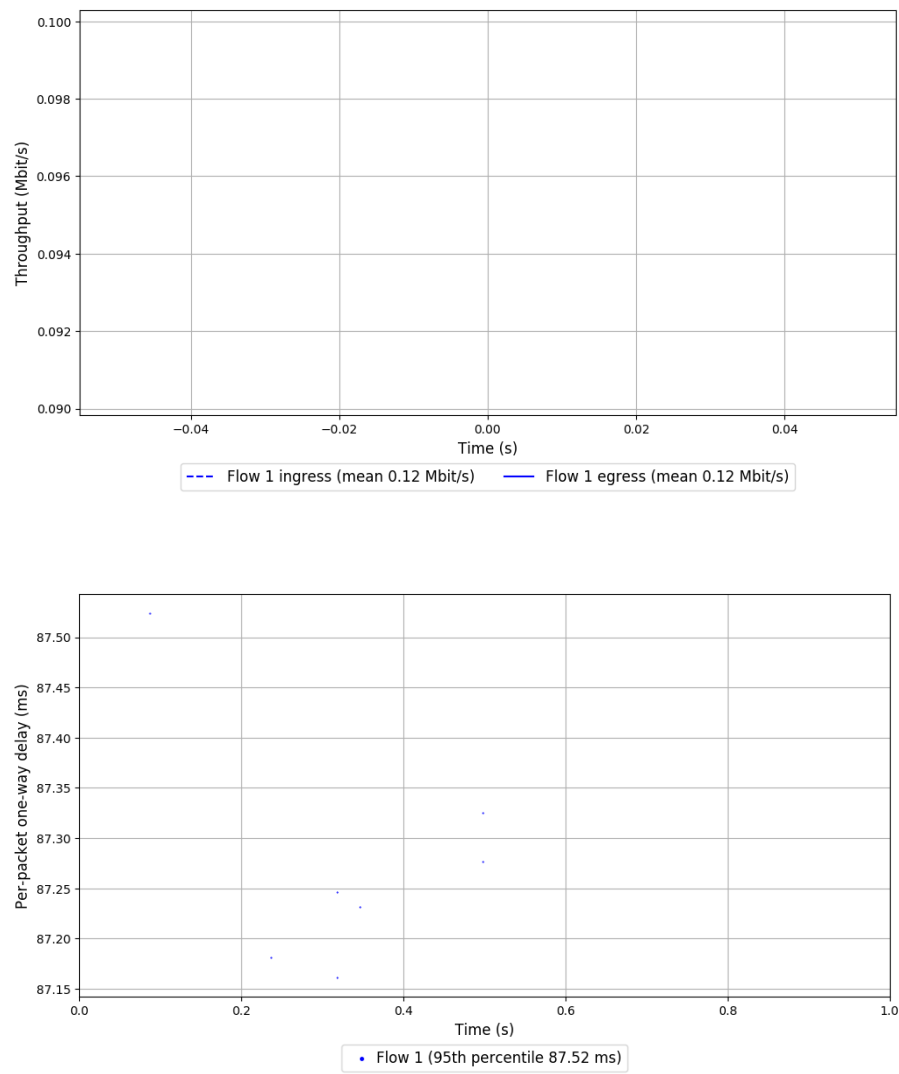


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-25 18:48:23

End at: 2018-01-25 18:48:53

Run 2: Report of QUIC Cubic — Data Link

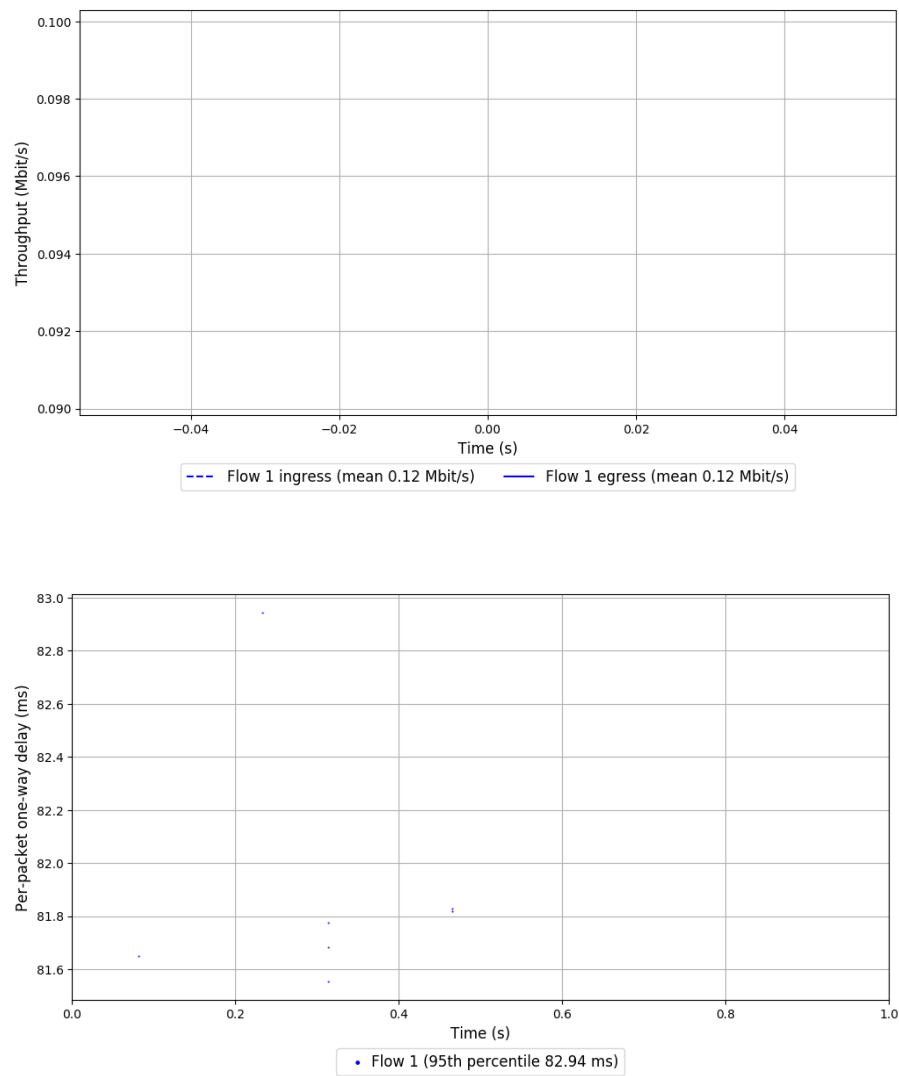


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-25 19:01:05

End at: 2018-01-25 19:01:35

Run 3: Report of QUIC Cubic — Data Link

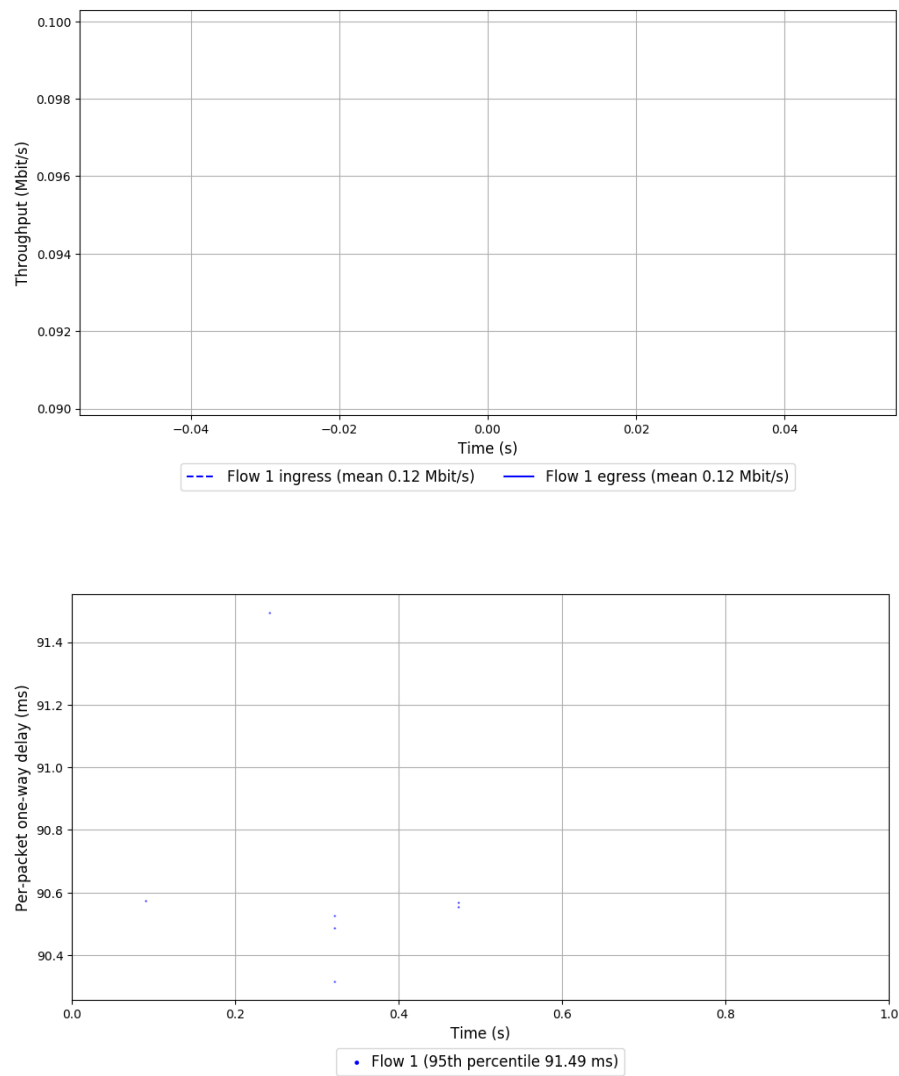


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-25 19:14:00

End at: 2018-01-25 19:14:30

Run 4: Report of QUIC Cubic — Data Link

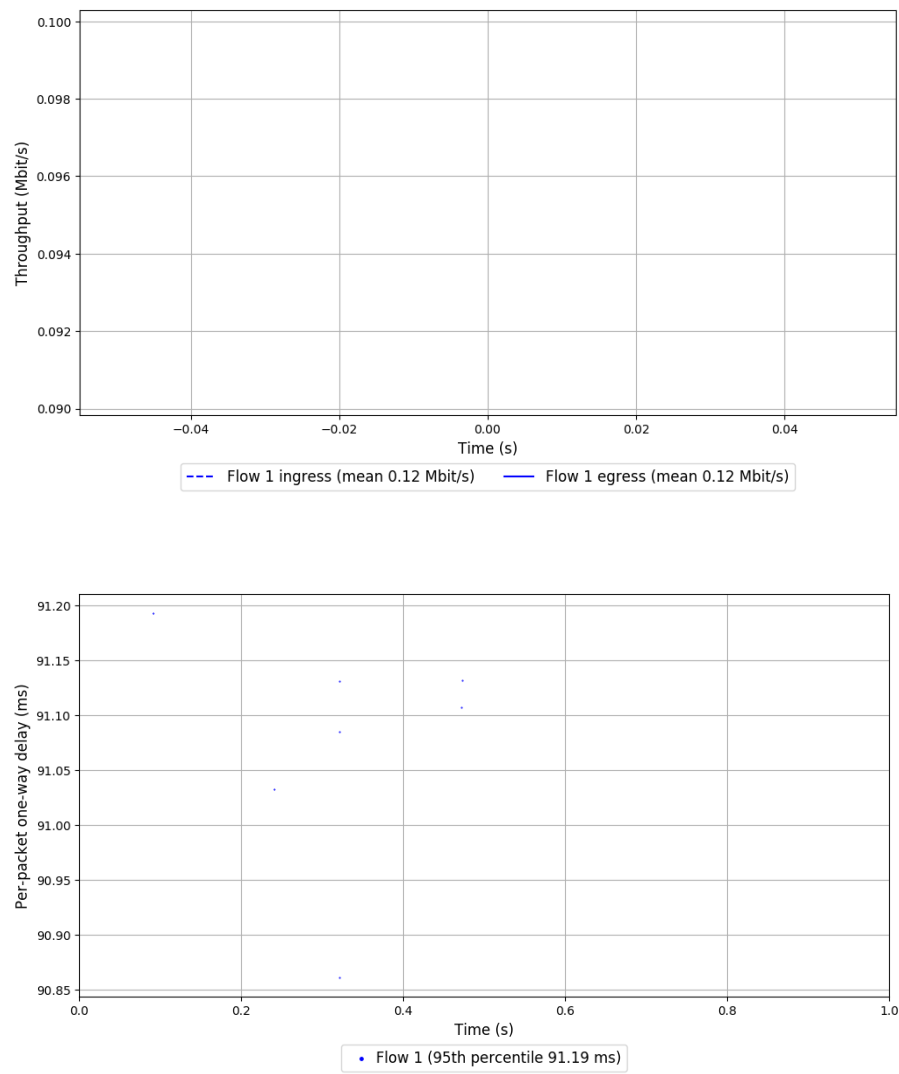


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-25 19:26:43

End at: 2018-01-25 19:27:13

Run 5: Report of QUIC Cubic — Data Link

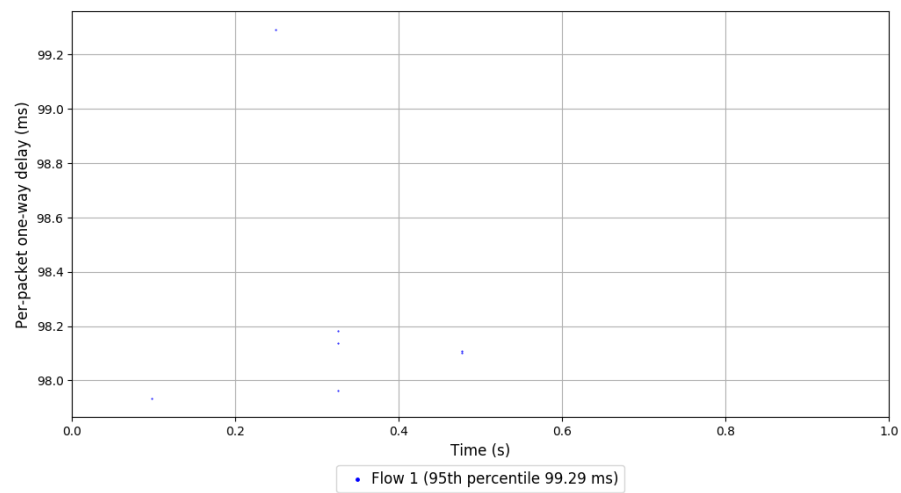
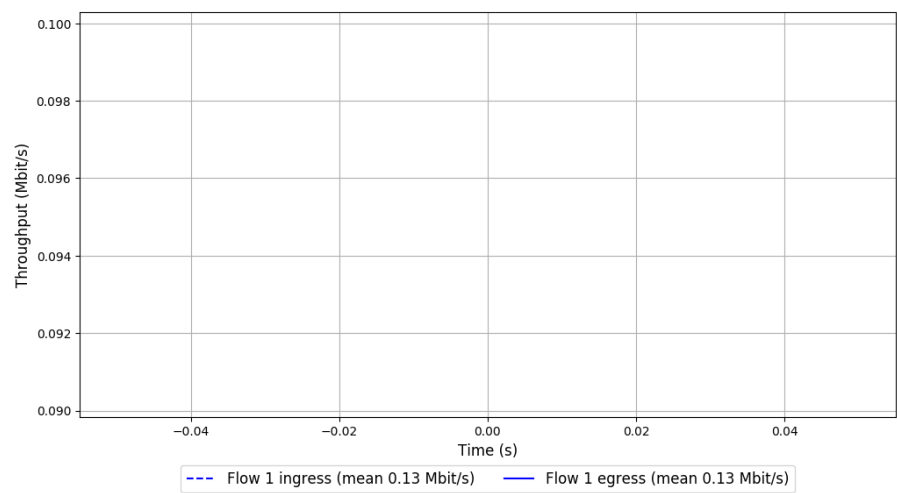


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-25 19:39:06

End at: 2018-01-25 19:39:36

Run 6: Report of QUIC Cubic — Data Link

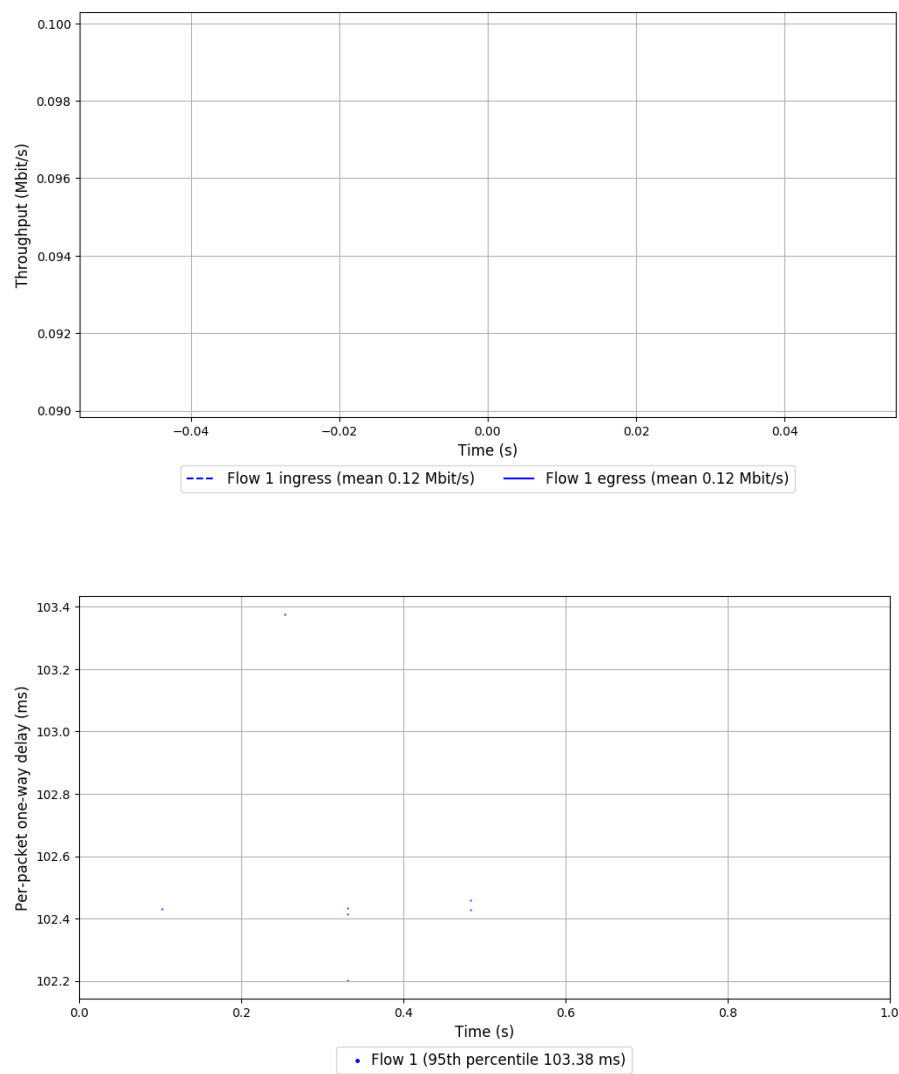


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-25 19:51:45

End at: 2018-01-25 19:52:15

Run 7: Report of QUIC Cubic — Data Link

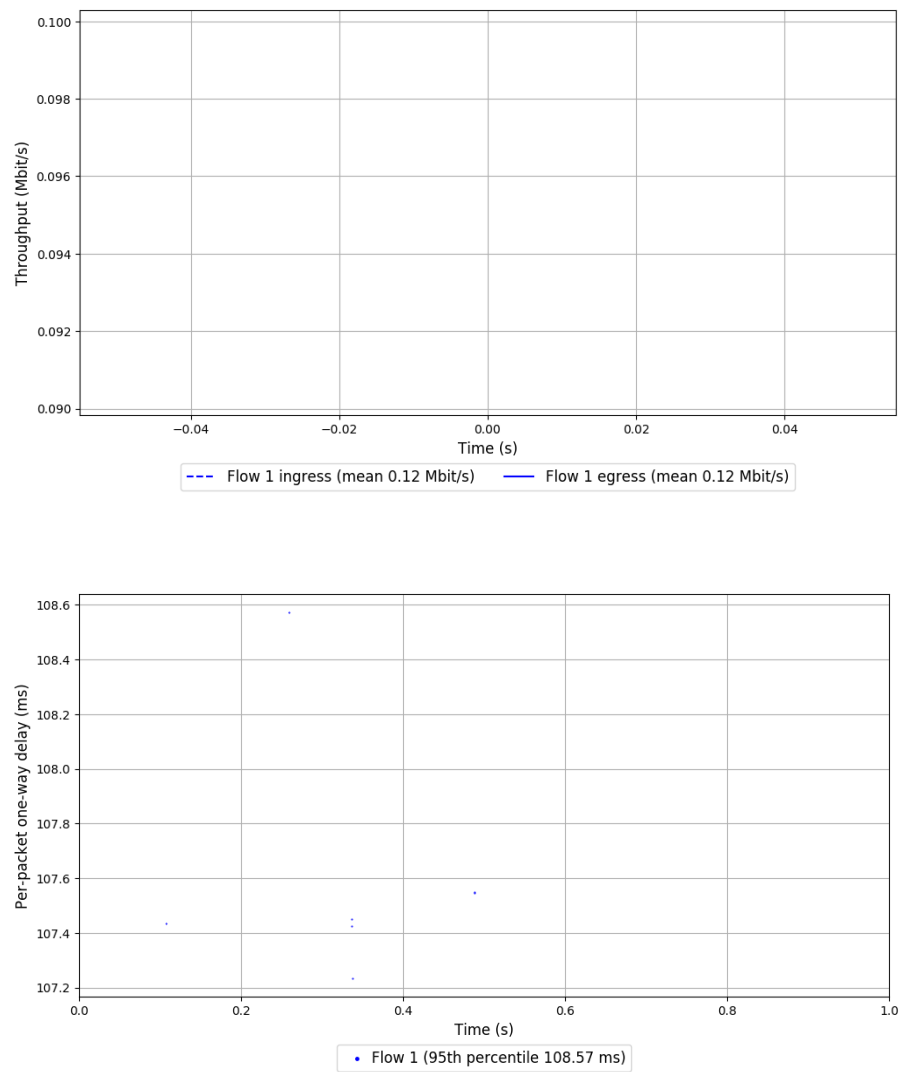


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-25 20:04:36

End at: 2018-01-25 20:05:06

Run 8: Report of QUIC Cubic — Data Link

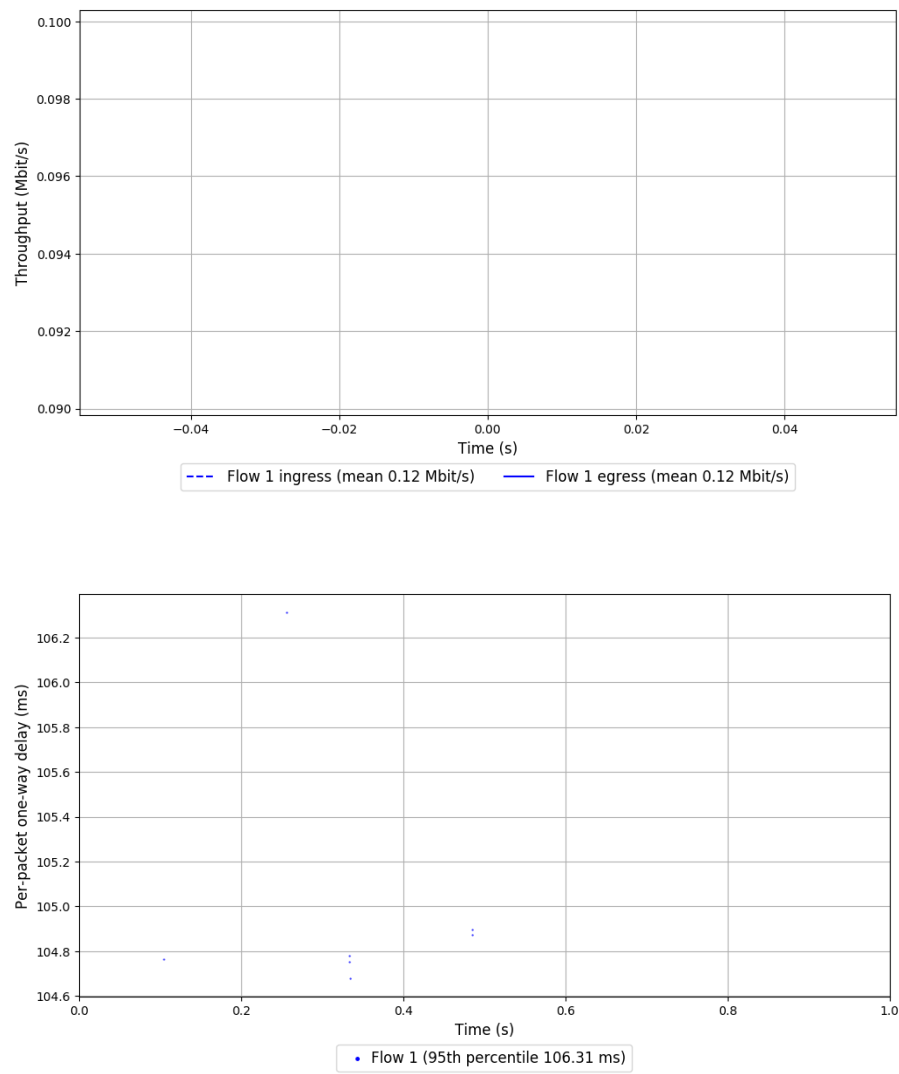


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-25 20:17:13

End at: 2018-01-25 20:17:43

Run 9: Report of QUIC Cubic — Data Link

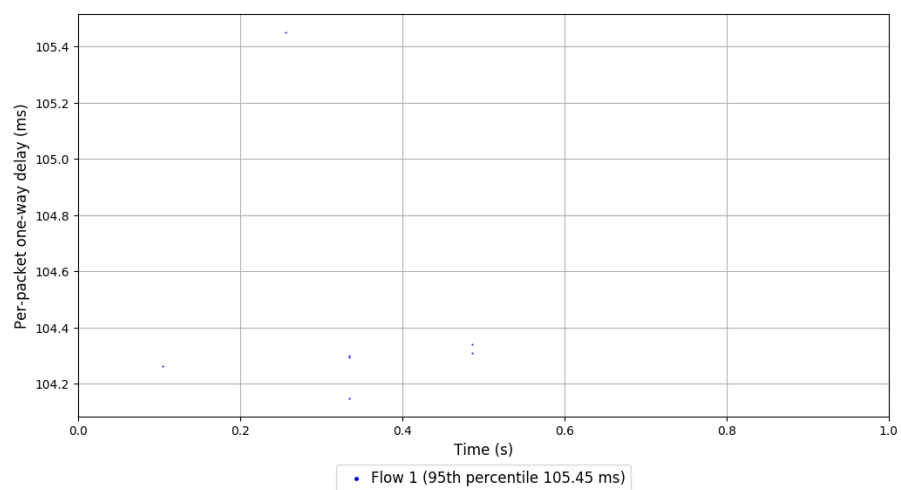
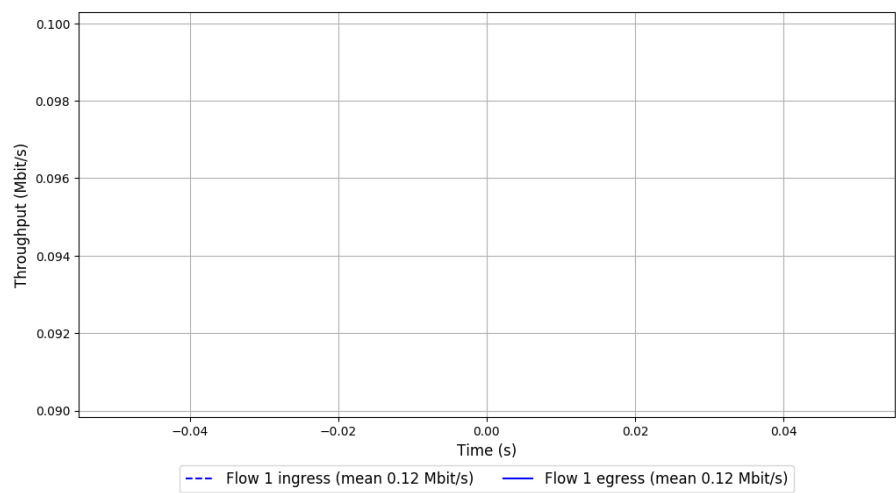


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-25 20:29:49

End at: 2018-01-25 20:30:19

Run 10: Report of QUIC Cubic — Data Link

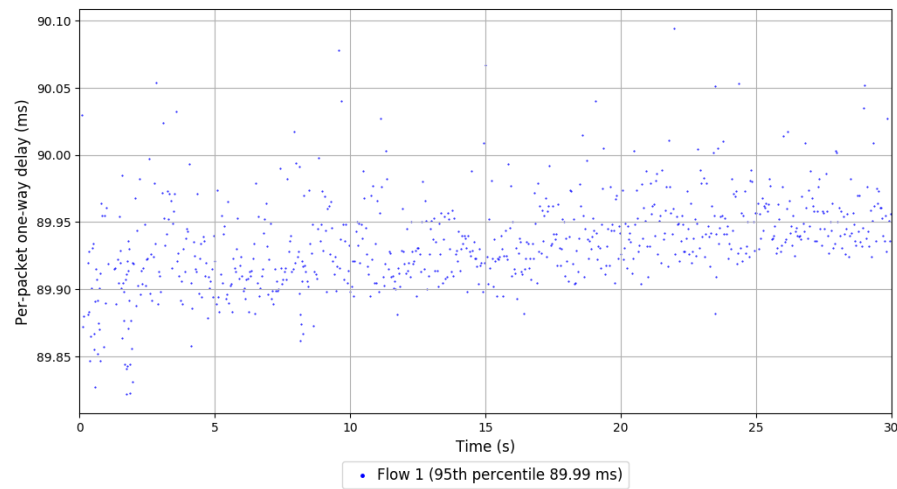
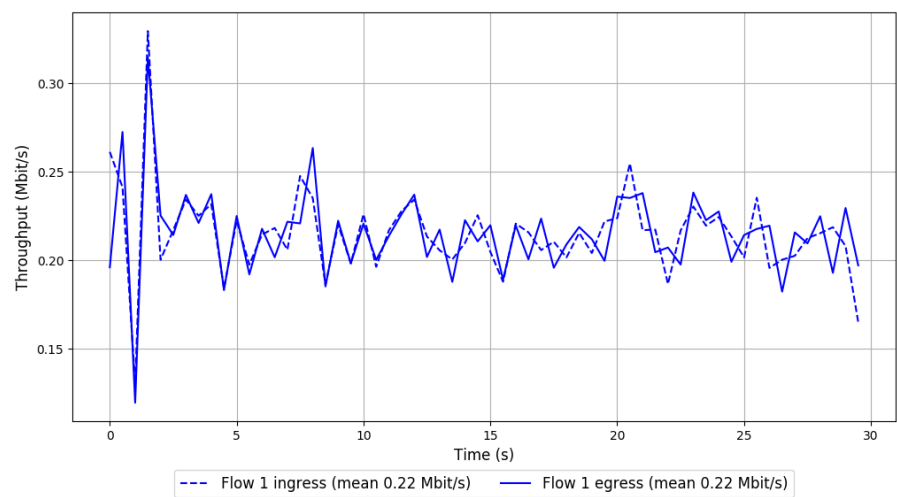


```
Run 1: Statistics of SCReAM

Start at: 2018-01-25 18:34:58
End at: 2018-01-25 18:35:28

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.992 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

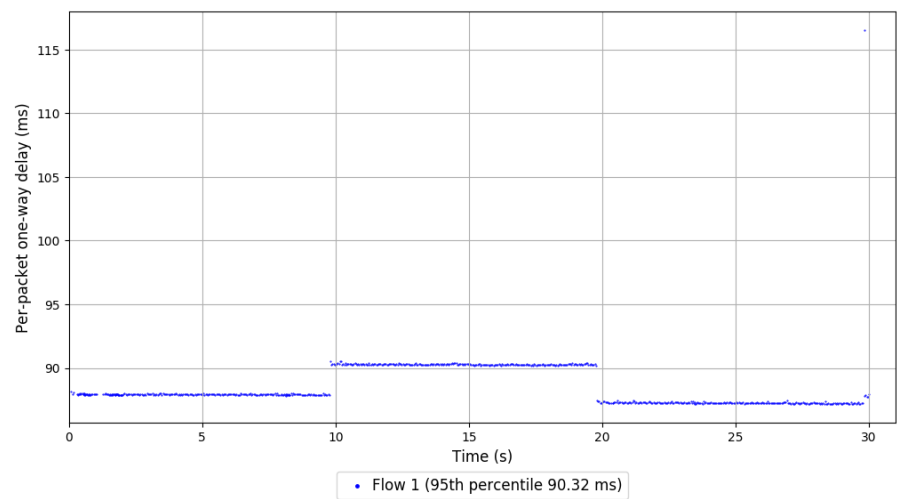
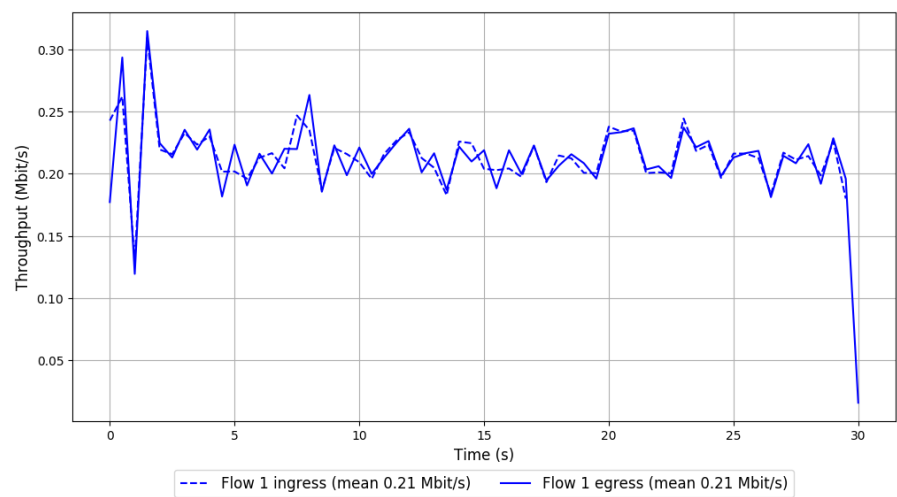


```
Run 2: Statistics of SCReAM

Start at: 2018-01-25 18:47:42
End at: 2018-01-25 18:48:12

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 90.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 90.322 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-25 19:00:25

End at: 2018-01-25 19:00:55

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.630 ms

Loss rate: 0.00%

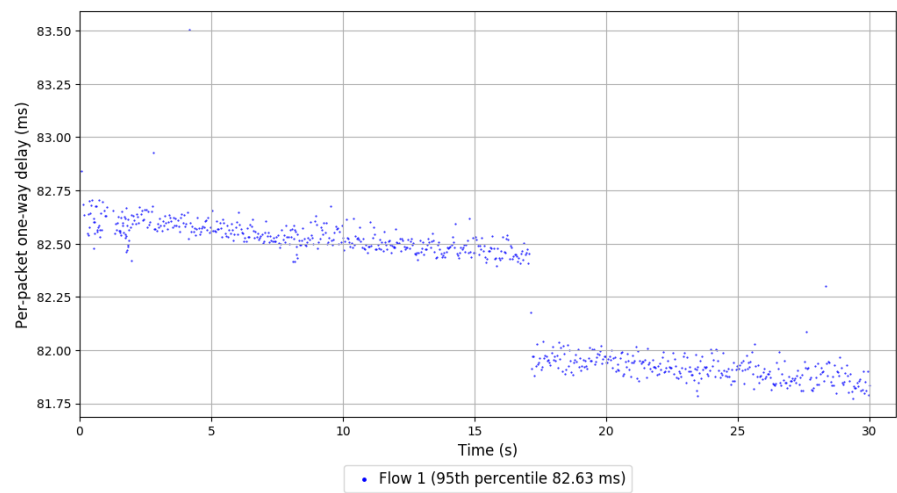
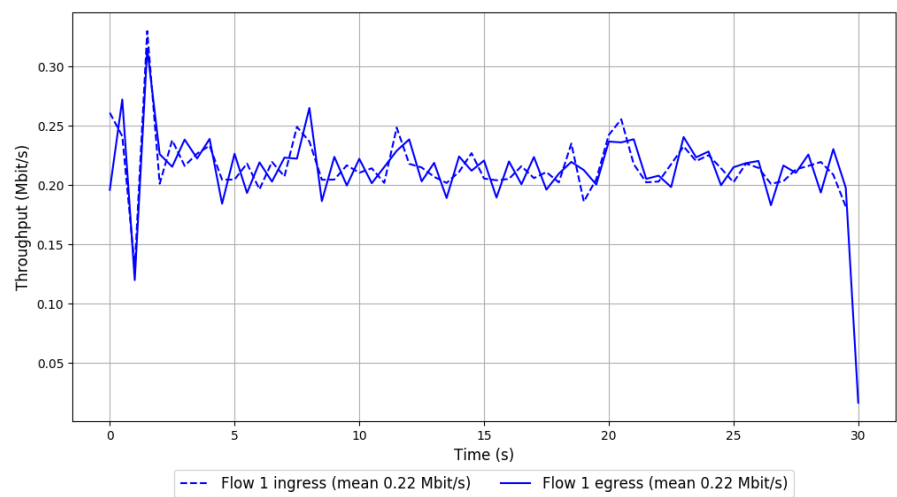
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.630 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

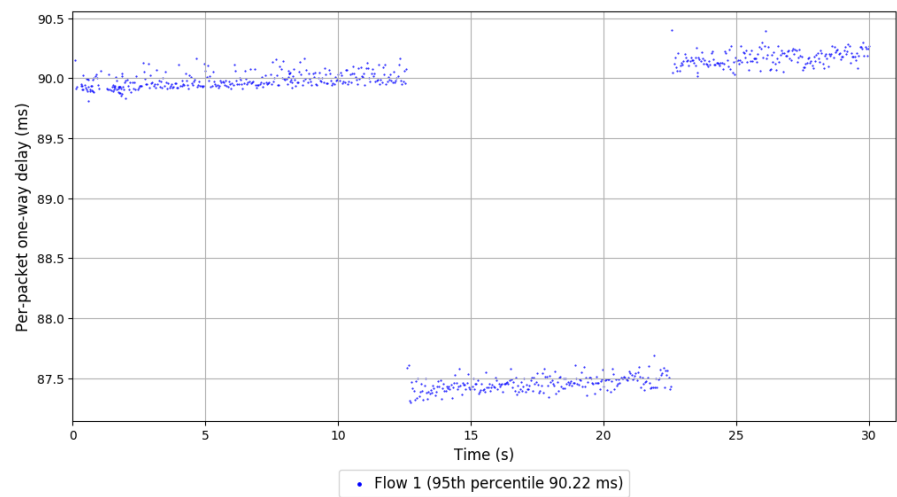
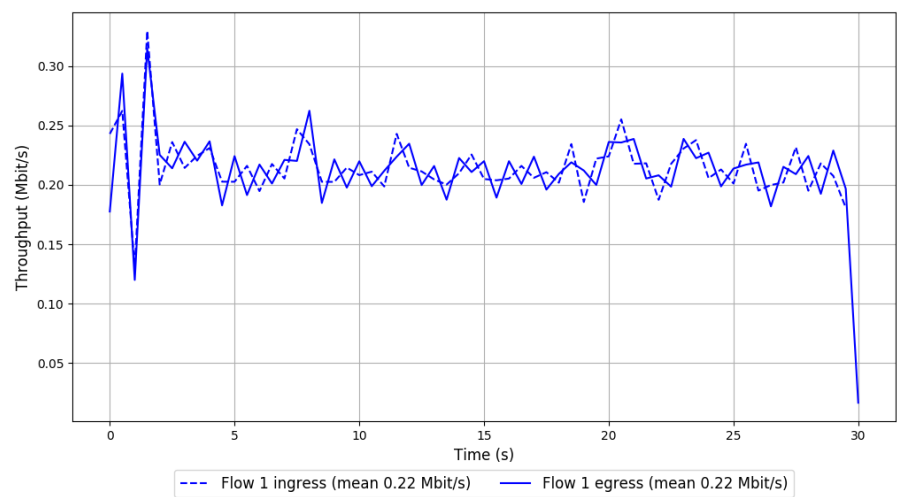


```
Run 4: Statistics of SCReAM

Start at: 2018-01-25 19:13:19
End at: 2018-01-25 19:13:49

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.224 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link

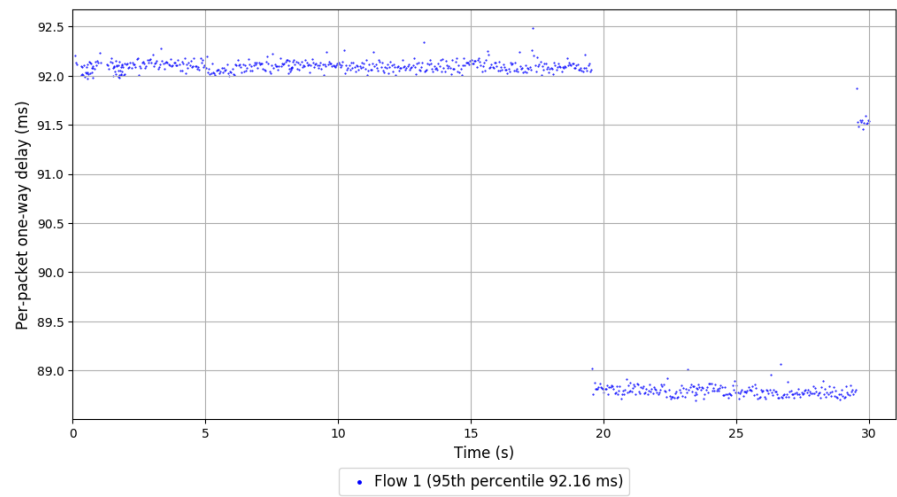
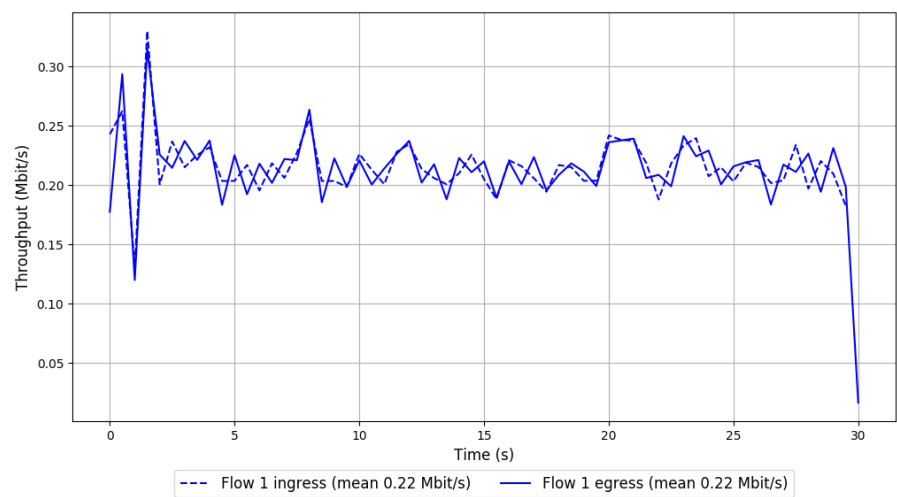


```
Run 5: Statistics of SCReAM

Start at: 2018-01-25 19:26:02
End at: 2018-01-25 19:26:32

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 92.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 92.162 ms
Loss rate: 0.00%
```

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-25 19:38:26

End at: 2018-01-25 19:38:56

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 99.832 ms

Loss rate: 0.00%

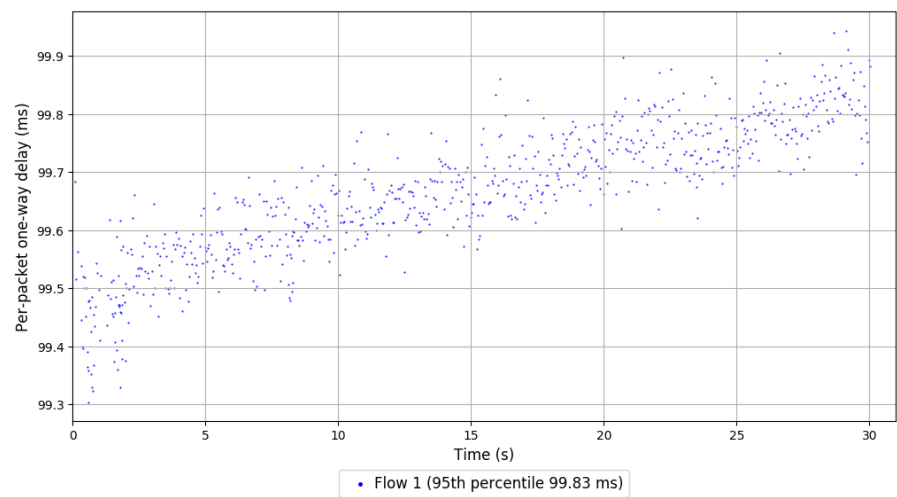
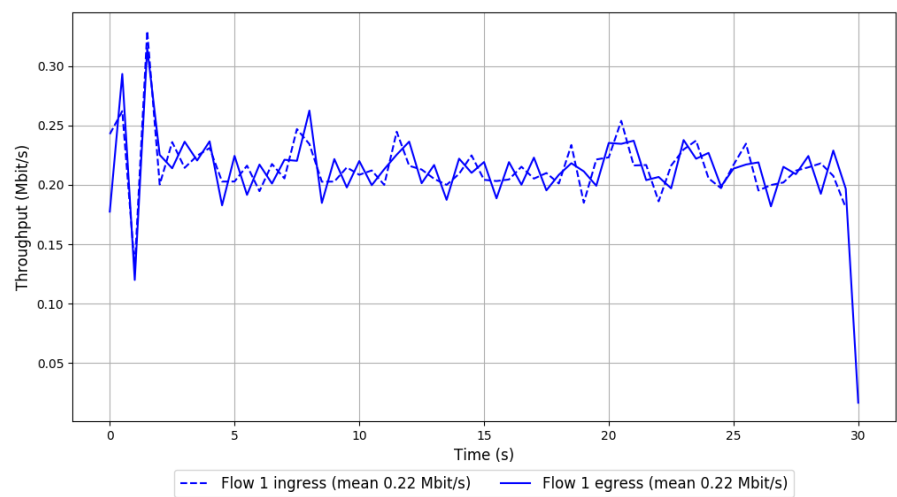
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 99.832 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-25 19:51:05

End at: 2018-01-25 19:51:35

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 103.826 ms

Loss rate: 0.00%

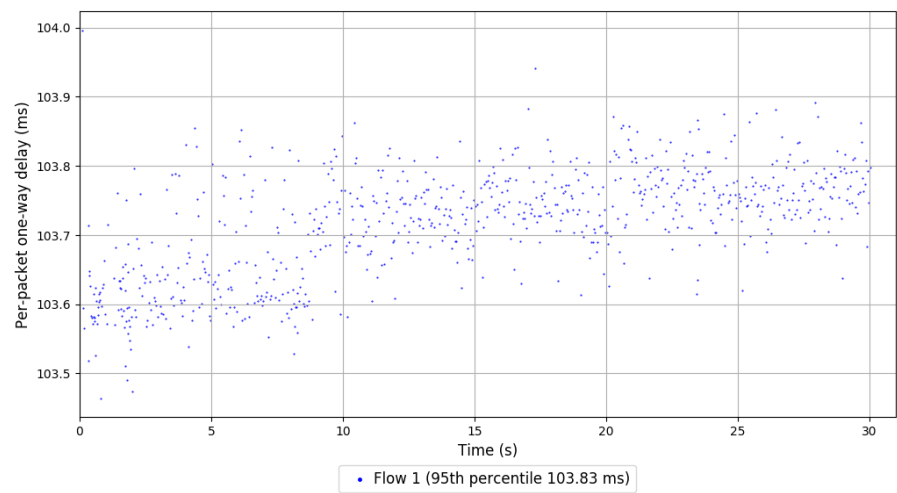
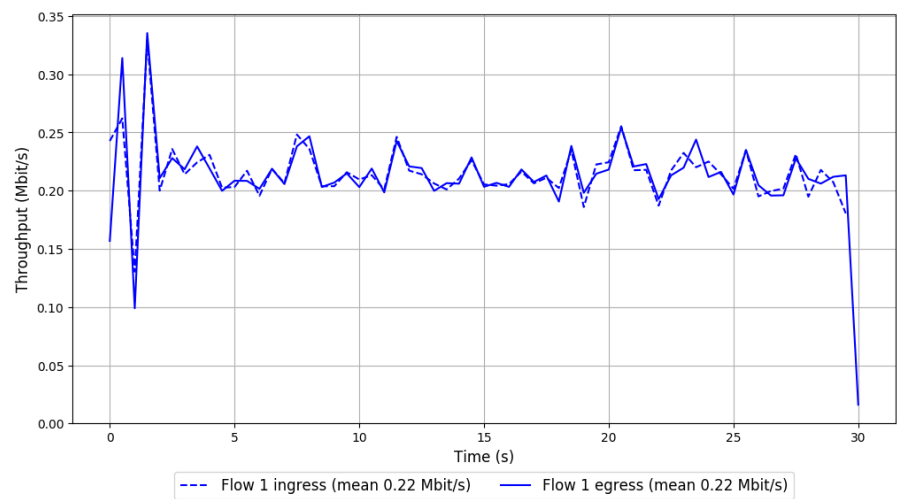
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 103.826 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-25 20:03:55

End at: 2018-01-25 20:04:25

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.346 ms

Loss rate: 0.00%

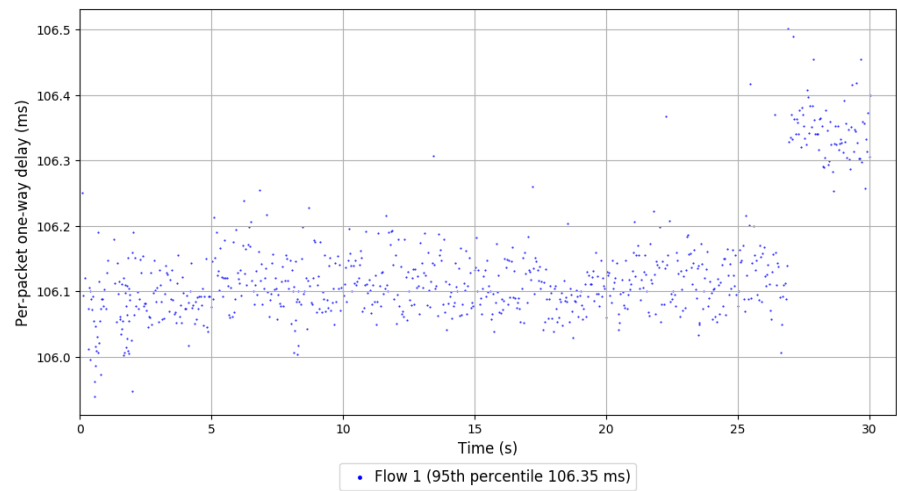
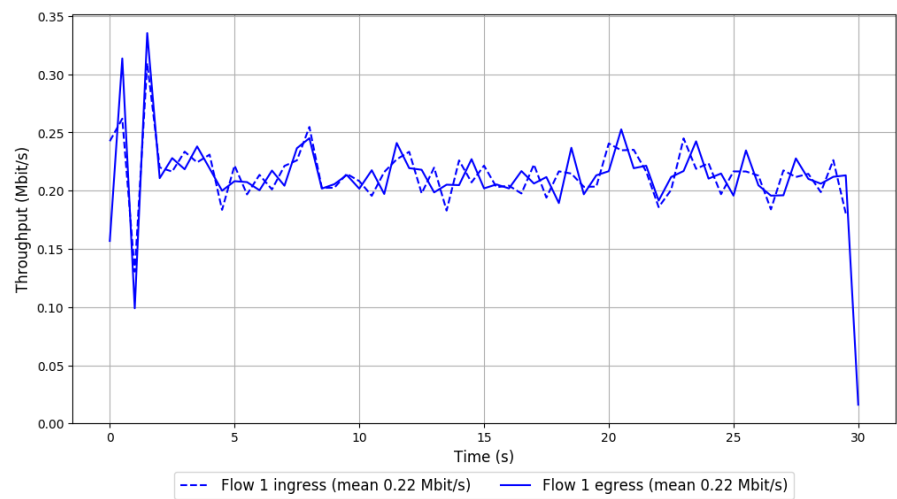
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.346 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-25 20:16:32

End at: 2018-01-25 20:17:02

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 107.133 ms

Loss rate: 0.00%

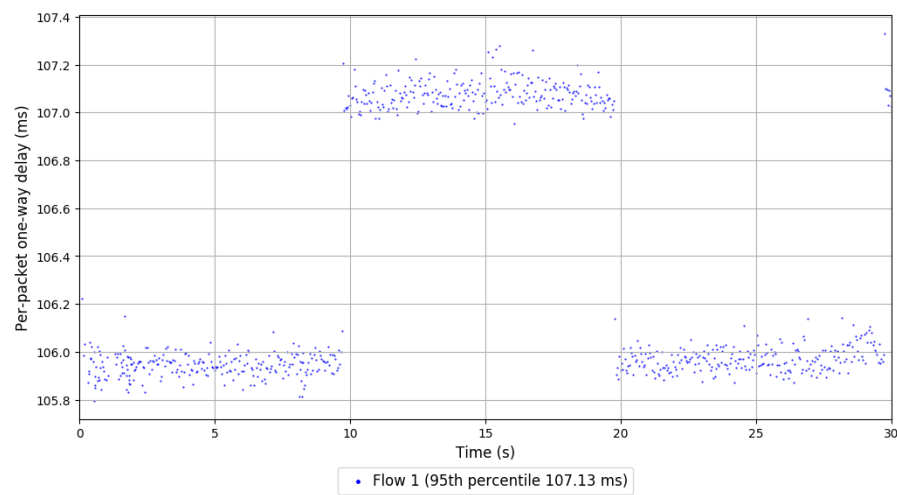
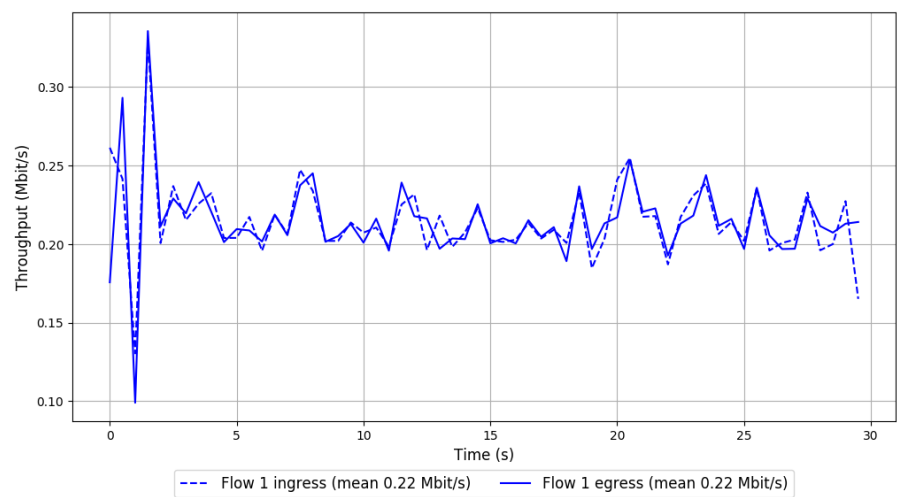
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 107.133 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

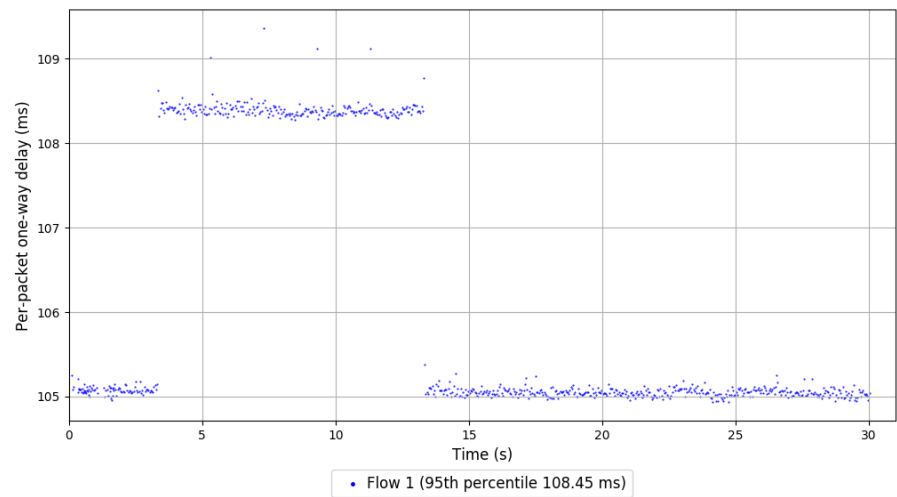
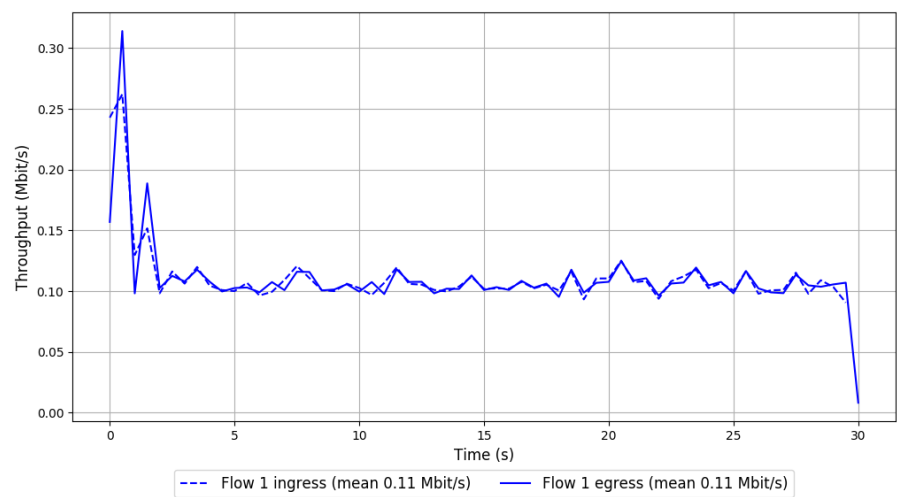


```
Run 10: Statistics of SReAM

Start at: 2018-01-25 20:29:09
End at: 2018-01-25 20:29:39

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 108.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 108.446 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

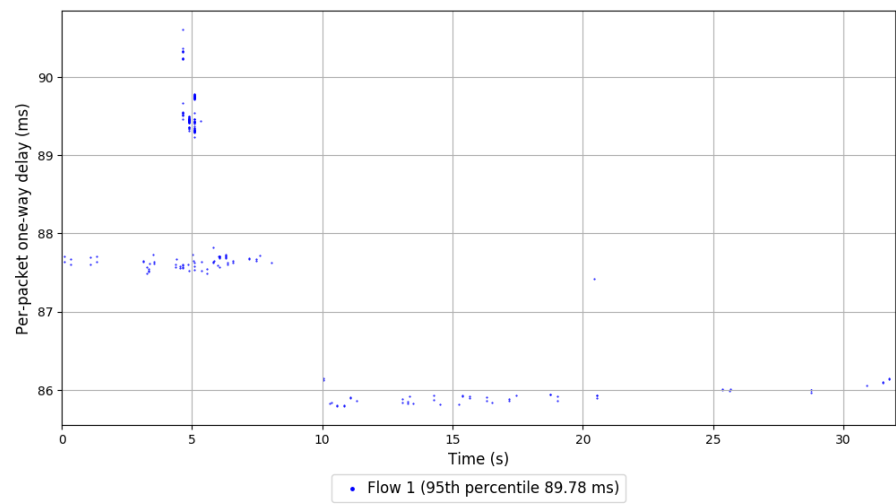
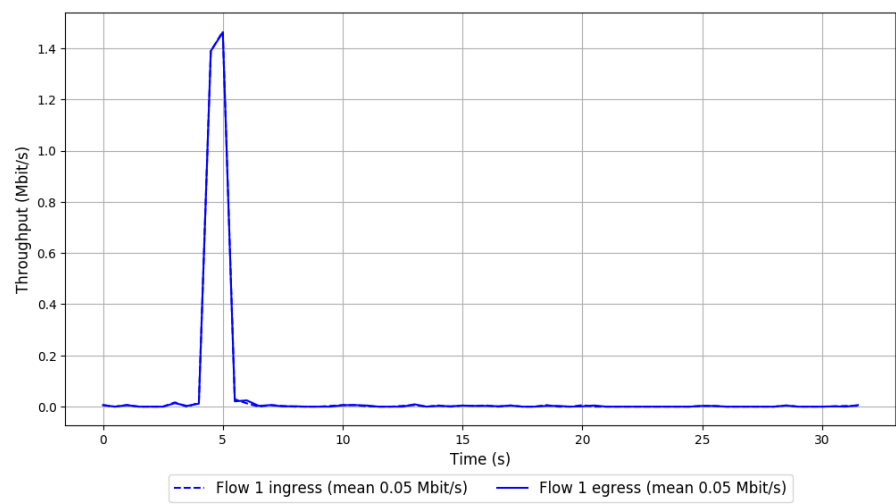


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-25 18:27:45
End at: 2018-01-25 18:28:15

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 89.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 89.777 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

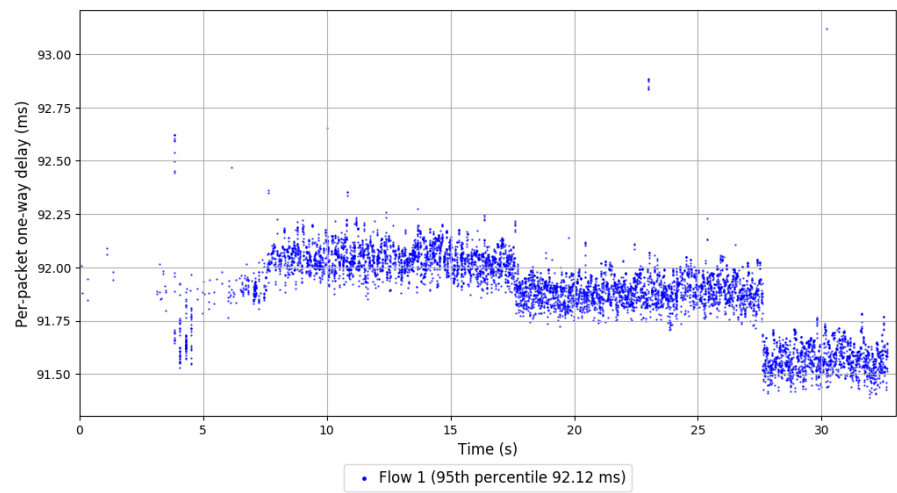
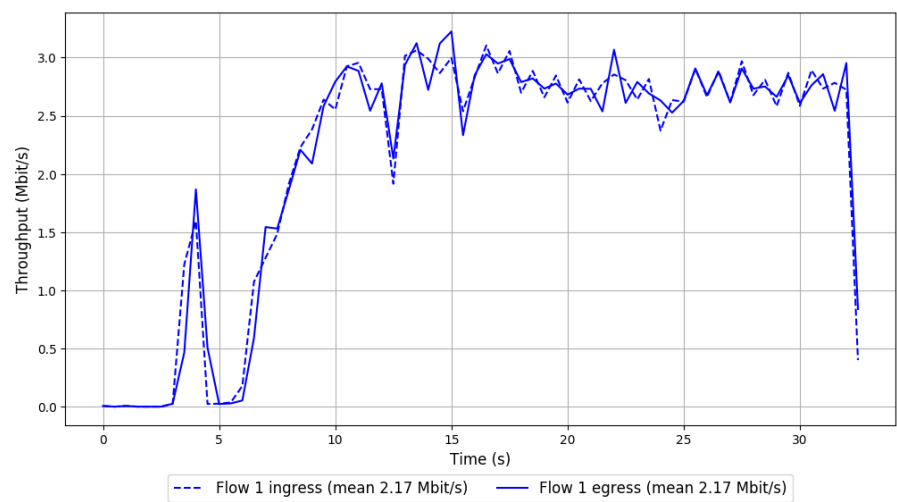


```
Run 2: Statistics of WebRTC media

Start at: 2018-01-25 18:40:07
End at: 2018-01-25 18:40:37

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 92.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 92.118 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-25 18:52:53

End at: 2018-01-25 18:53:23

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 88.303 ms

Loss rate: 0.00%

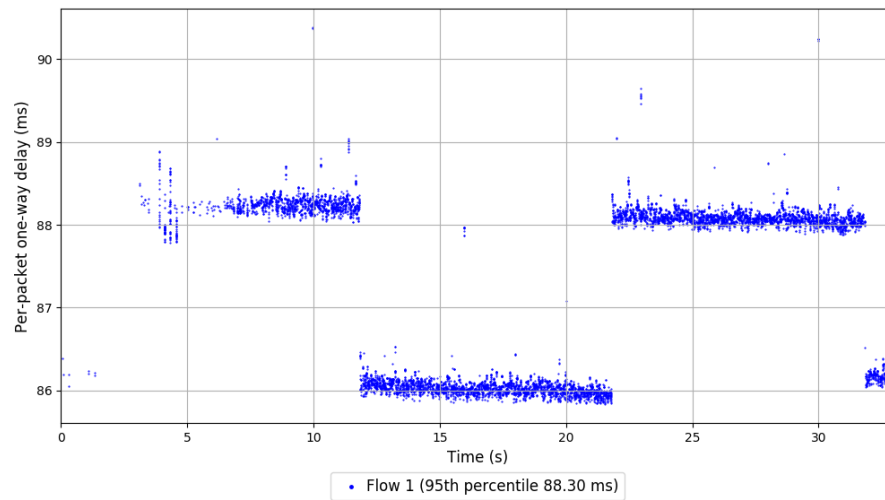
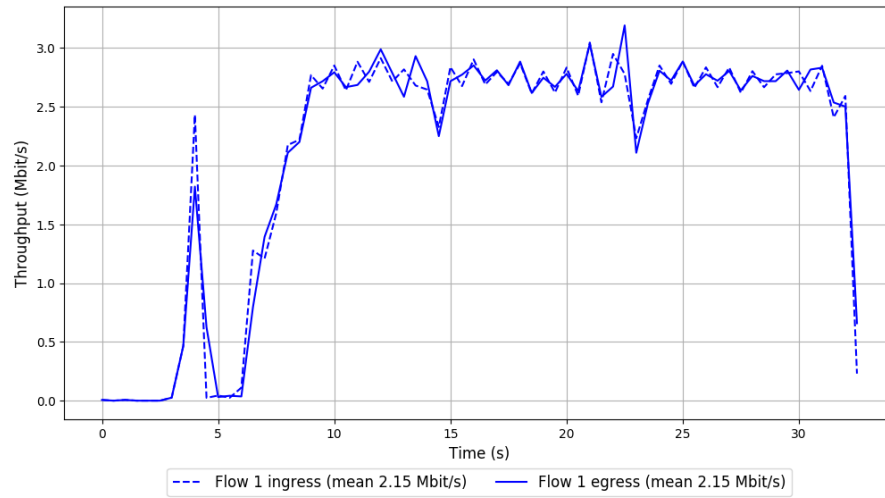
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 88.303 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-25 19:05:38

End at: 2018-01-25 19:06:08

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 85.744 ms

Loss rate: 0.00%

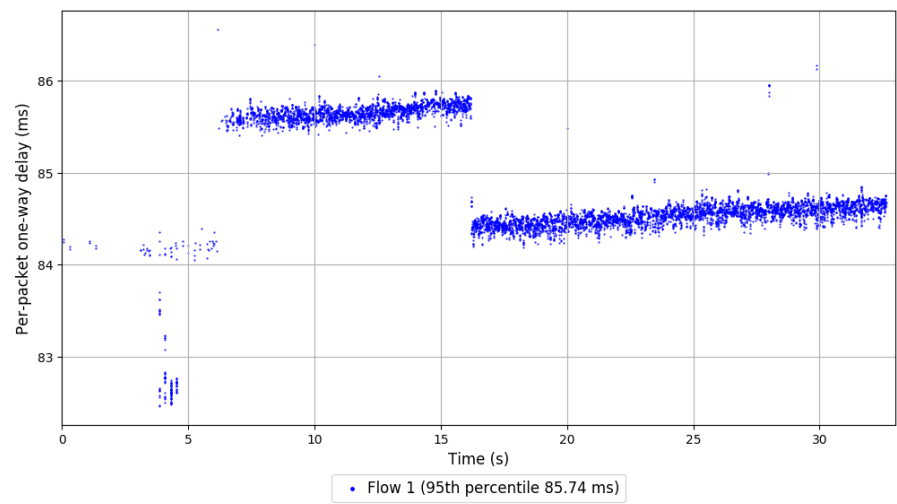
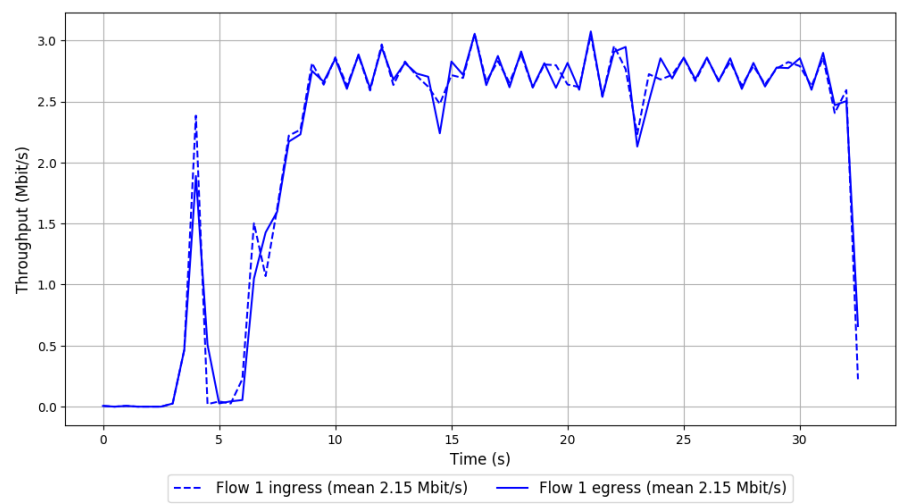
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 85.744 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-25 19:18:30

End at: 2018-01-25 19:19:00

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 91.527 ms

Loss rate: 0.00%

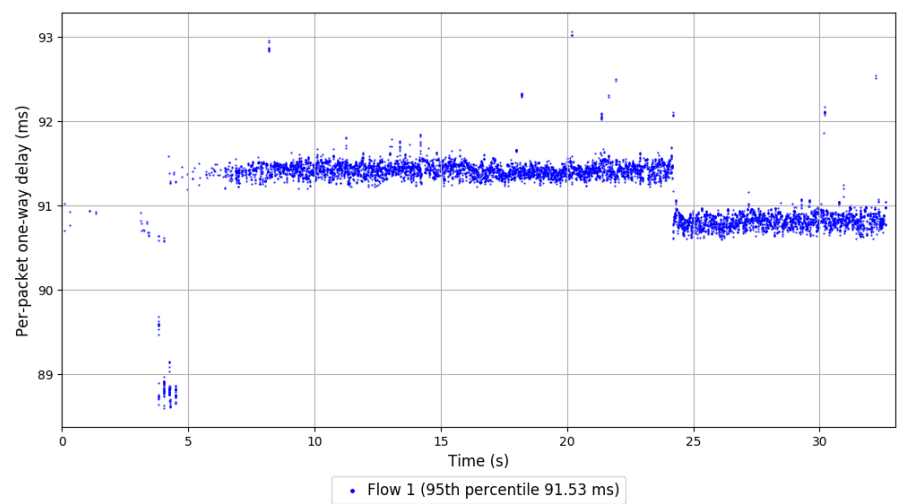
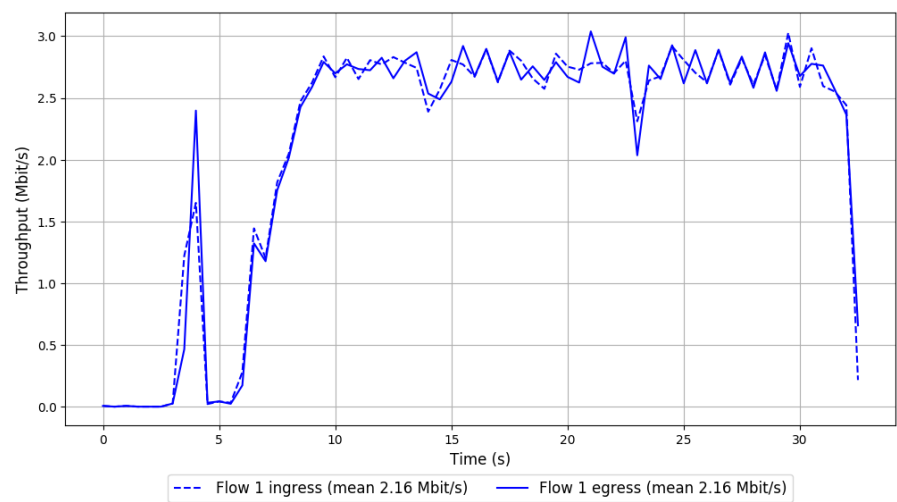
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 91.527 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-25 19:31:16

End at: 2018-01-25 19:31:46

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 96.095 ms

Loss rate: 0.00%

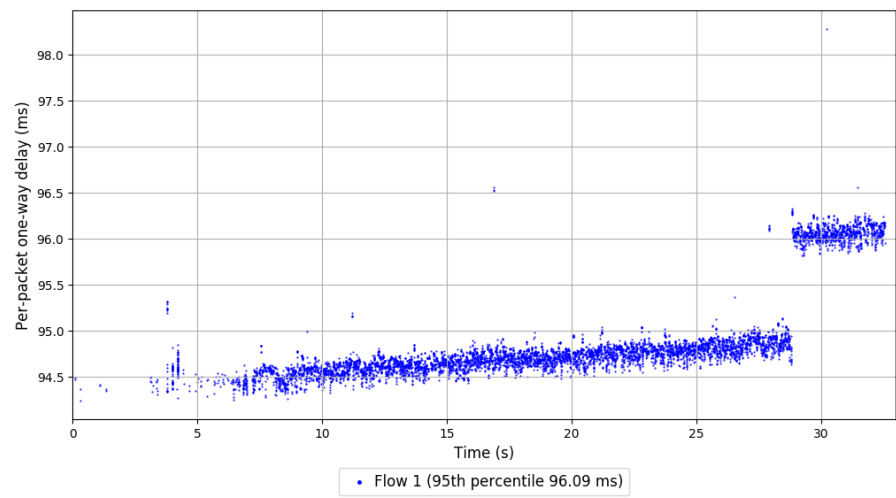
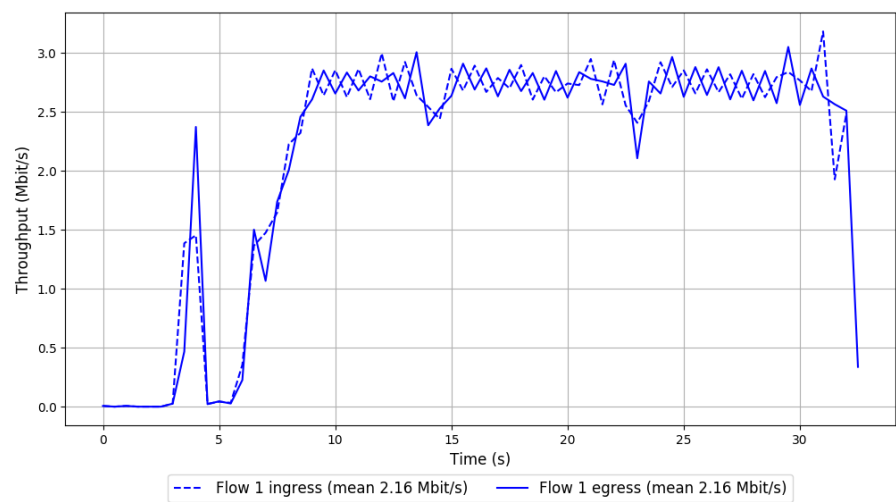
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 96.095 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-25 19:43:39

End at: 2018-01-25 19:44:09

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 103.161 ms

Loss rate: 0.01%

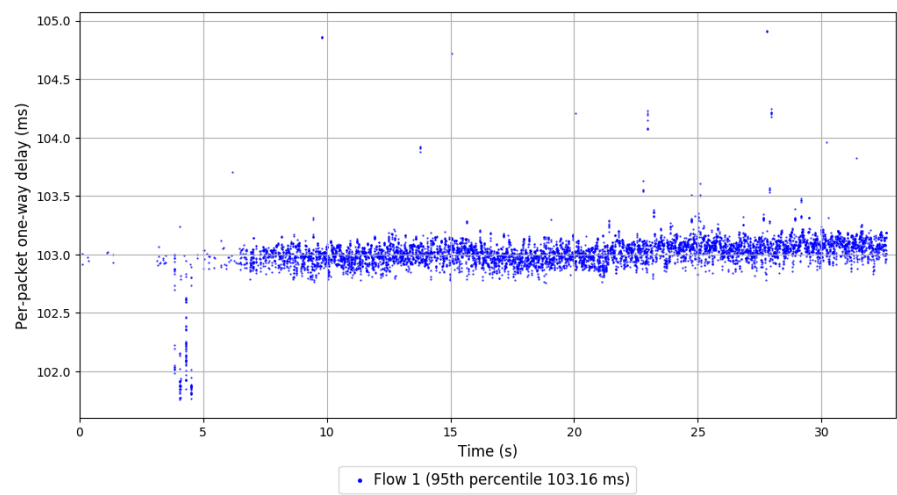
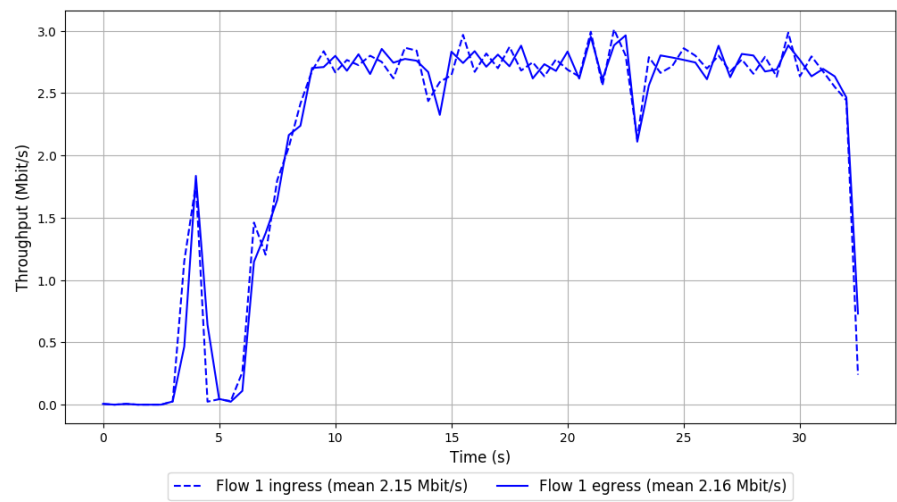
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 103.161 ms

Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-25 19:56:16

End at: 2018-01-25 19:56:46

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 106.533 ms

Loss rate: 0.00%

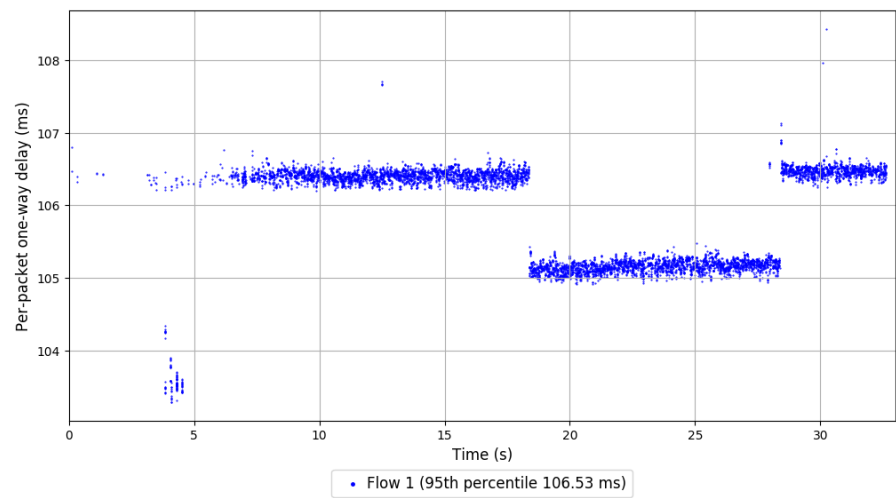
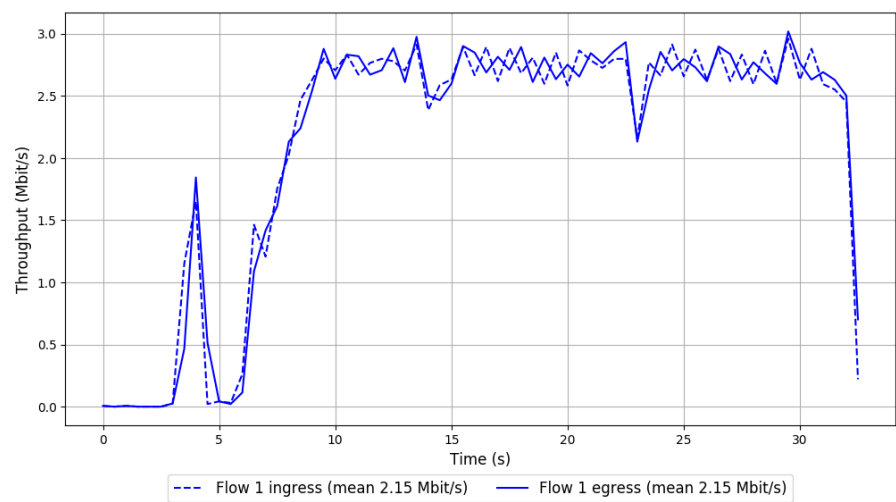
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 106.533 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-25 20:09:09

End at: 2018-01-25 20:09:39

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 107.800 ms

Loss rate: 0.00%

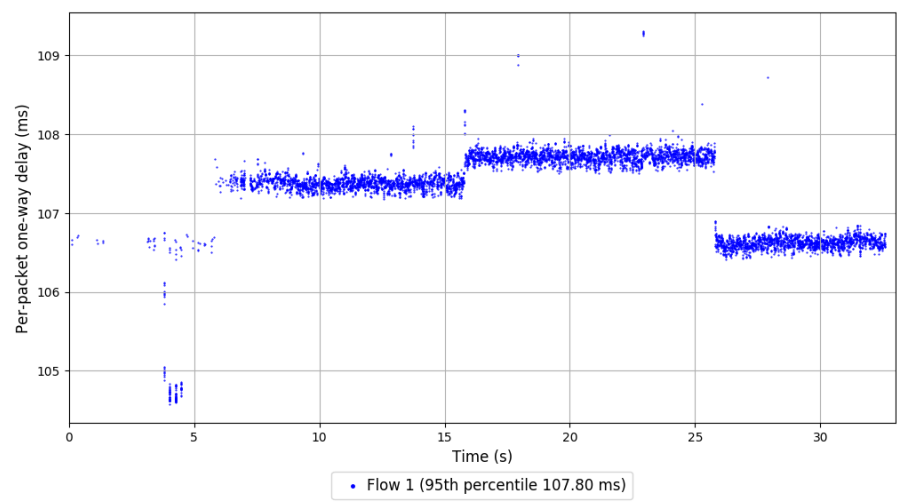
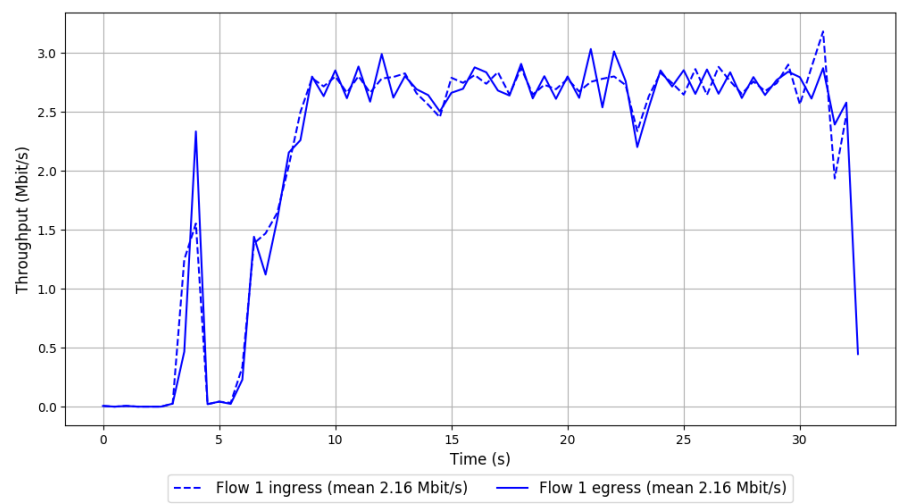
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 107.800 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-25 20:21:43

End at: 2018-01-25 20:22:13

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 107.291 ms

Loss rate: 0.00%

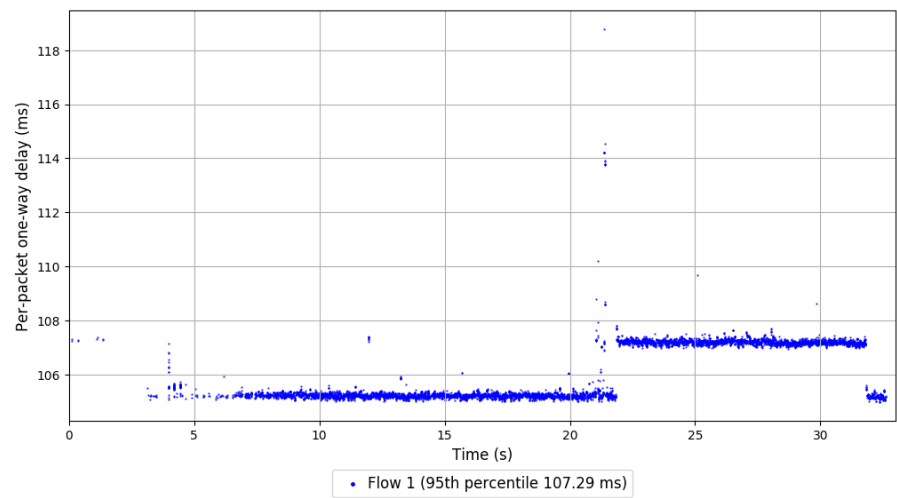
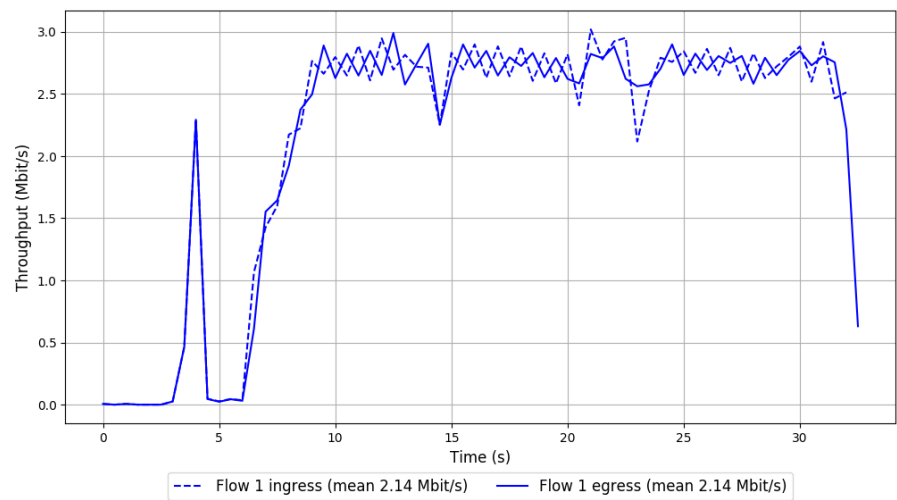
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 107.291 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-25 18:27:04

End at: 2018-01-25 18:27:34

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 90.433 ms

Loss rate: 0.24%

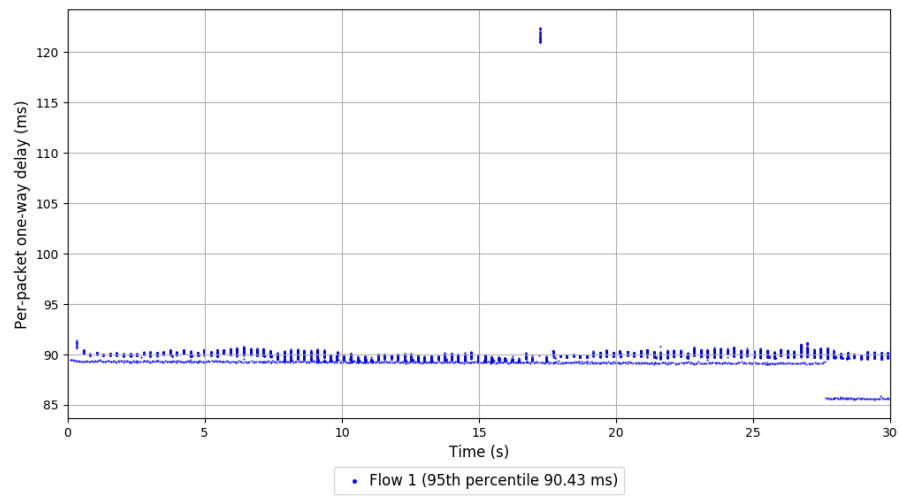
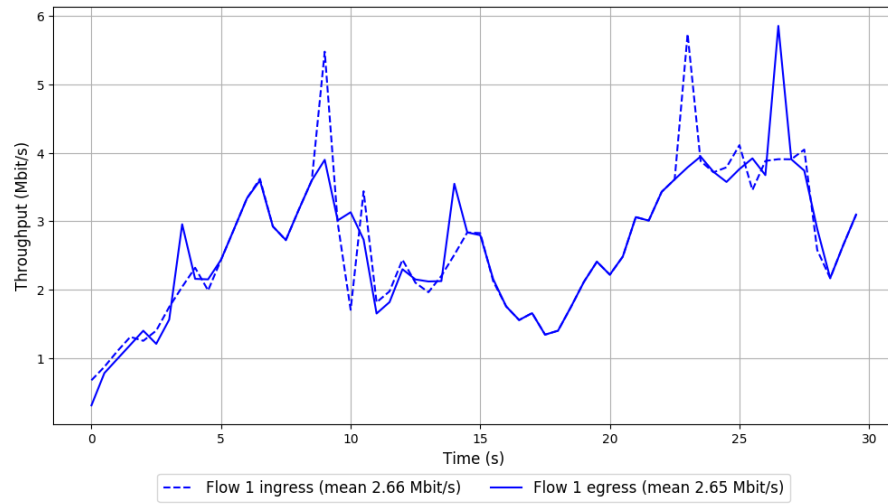
-- Flow 1:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 90.433 ms

Loss rate: 0.24%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-25 18:39:26

End at: 2018-01-25 18:39:56

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 92.813 ms

Loss rate: 3.24%

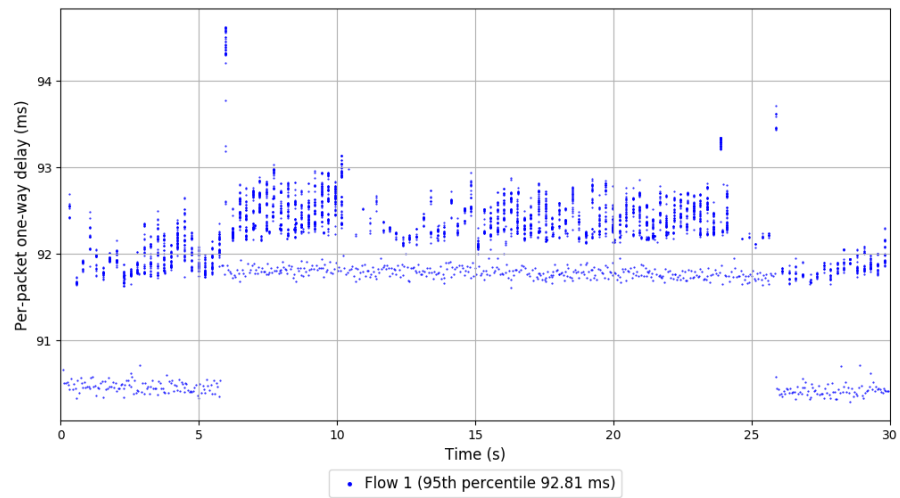
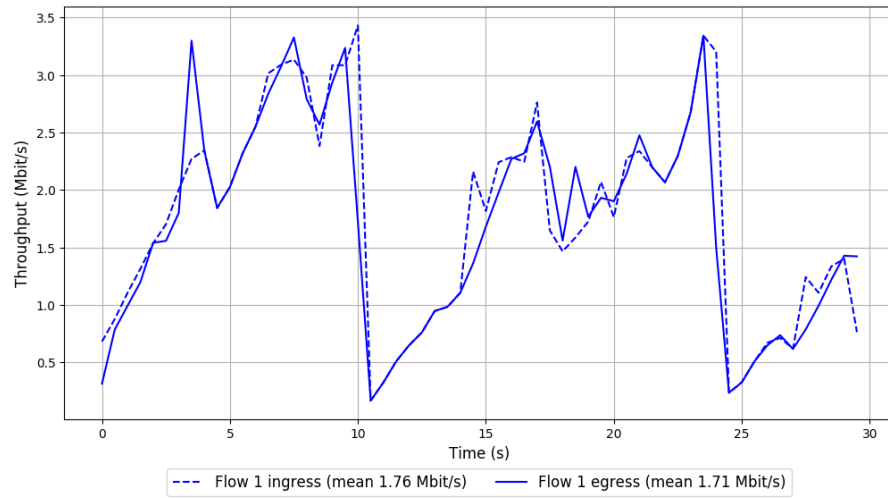
-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 92.813 ms

Loss rate: 3.24%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-25 18:52:12

End at: 2018-01-25 18:52:42

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 89.165 ms

Loss rate: 0.28%

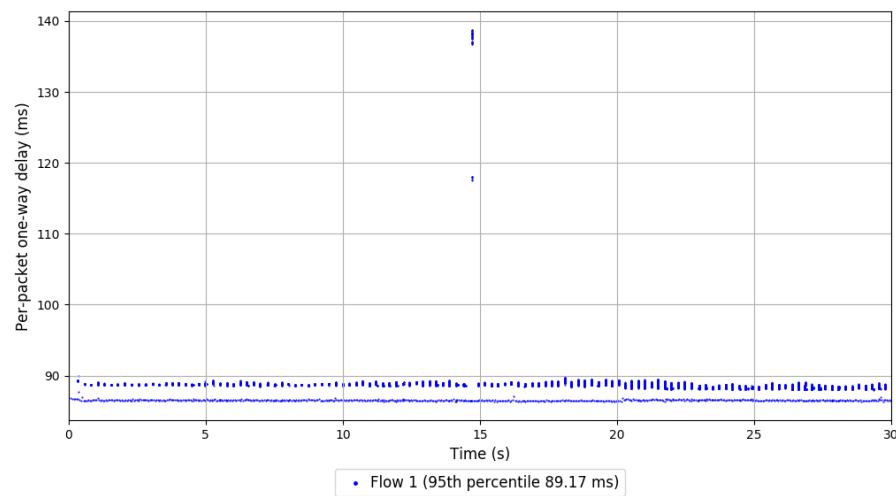
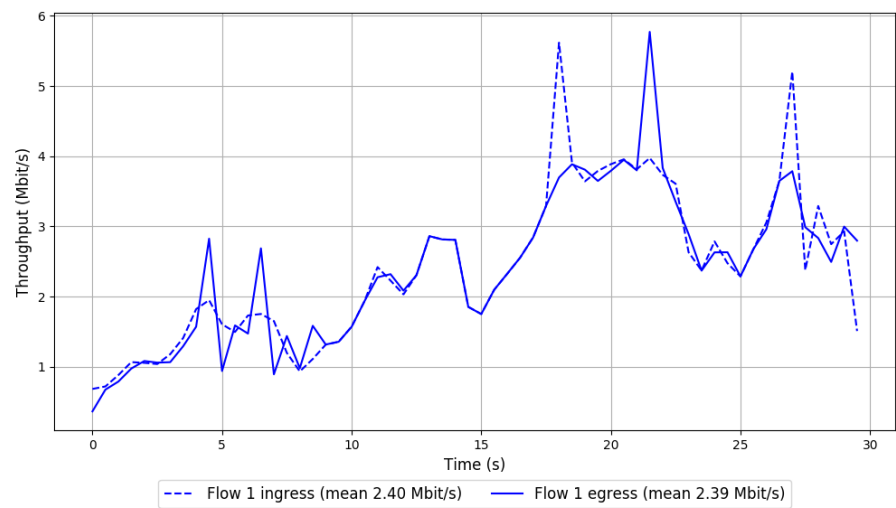
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 89.165 ms

Loss rate: 0.28%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-25 19:04:57

End at: 2018-01-25 19:05:28

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 85.525 ms

Loss rate: 1.71%

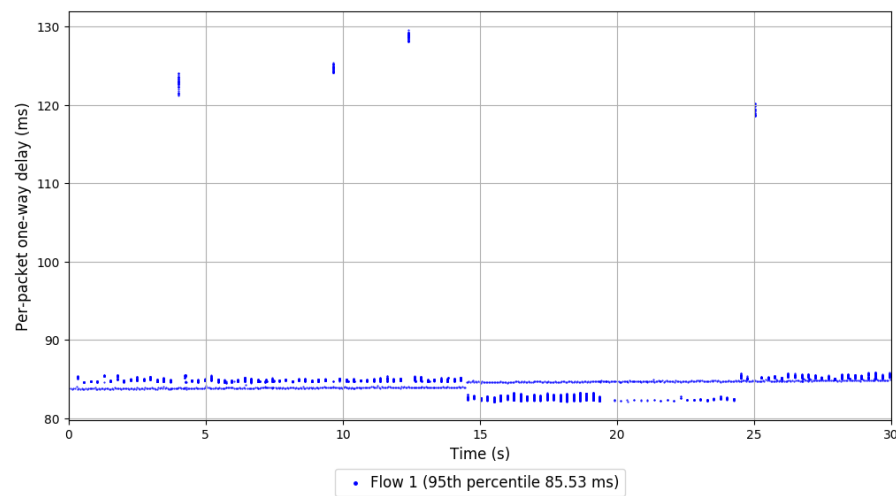
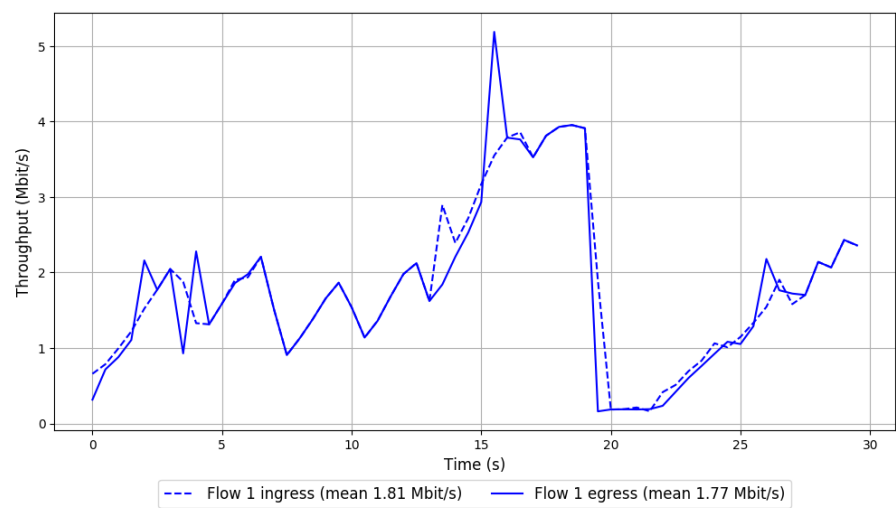
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 85.525 ms

Loss rate: 1.71%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-25 19:17:49

End at: 2018-01-25 19:18:19

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 92.356 ms

Loss rate: 0.48%

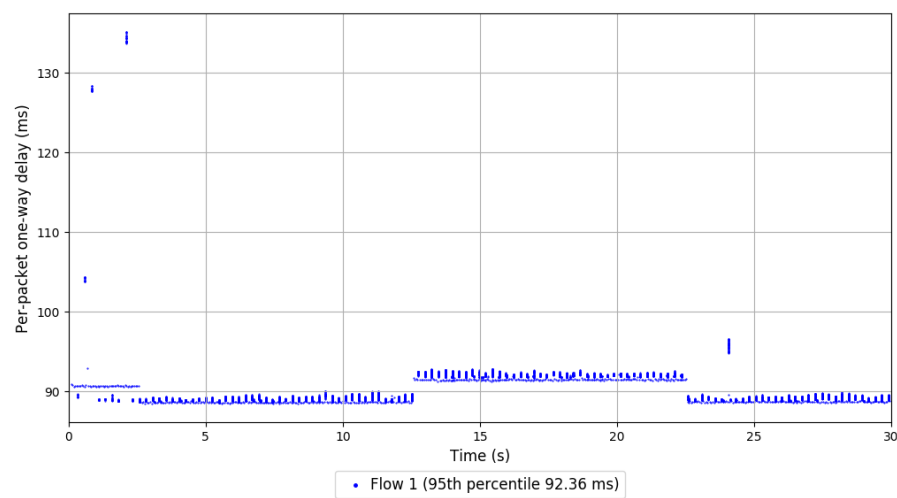
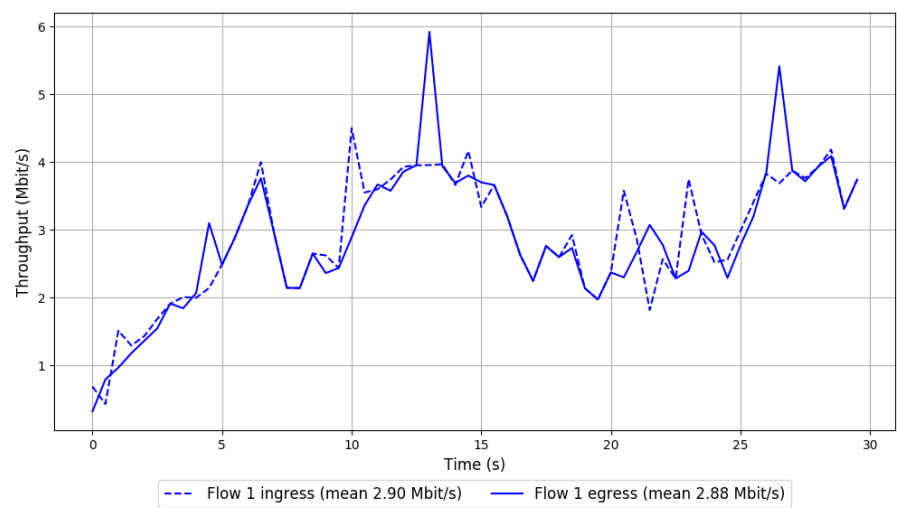
-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 92.356 ms

Loss rate: 0.48%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-25 19:30:35

End at: 2018-01-25 19:31:05

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 94.492 ms

Loss rate: 0.00%

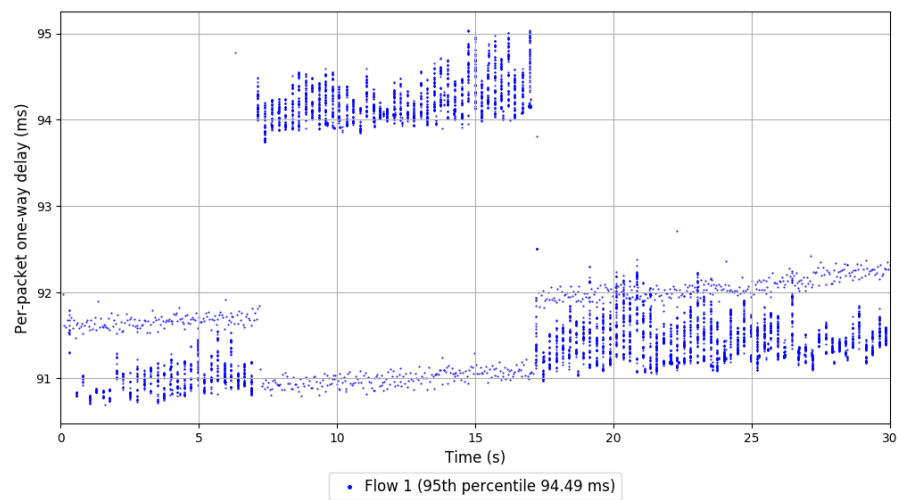
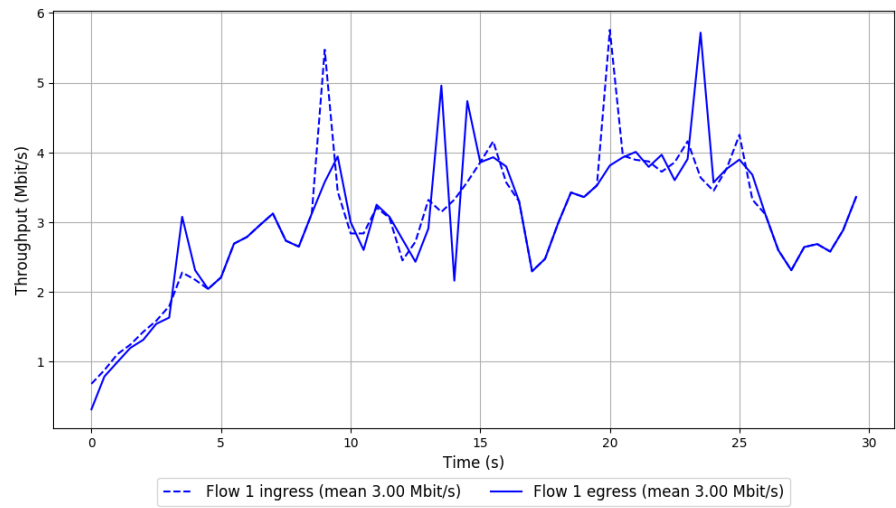
-- Flow 1:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 94.492 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-25 19:42:58

End at: 2018-01-25 19:43:28

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 103.830 ms

Loss rate: 0.00%

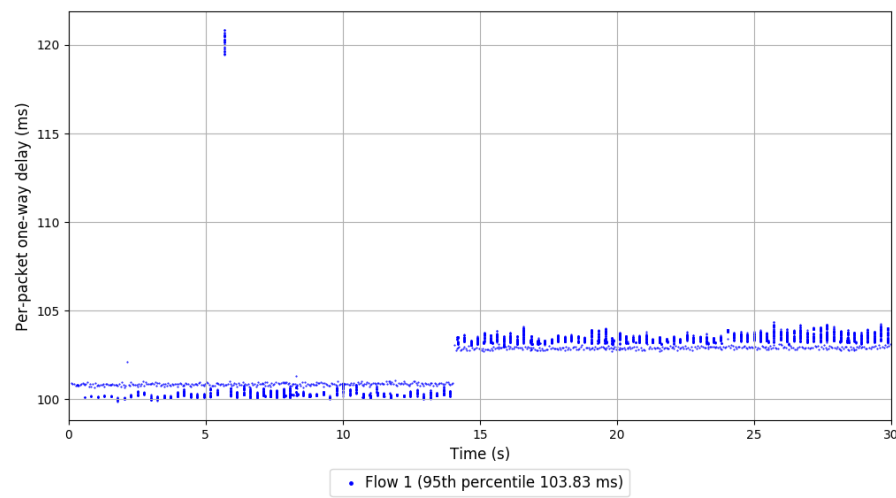
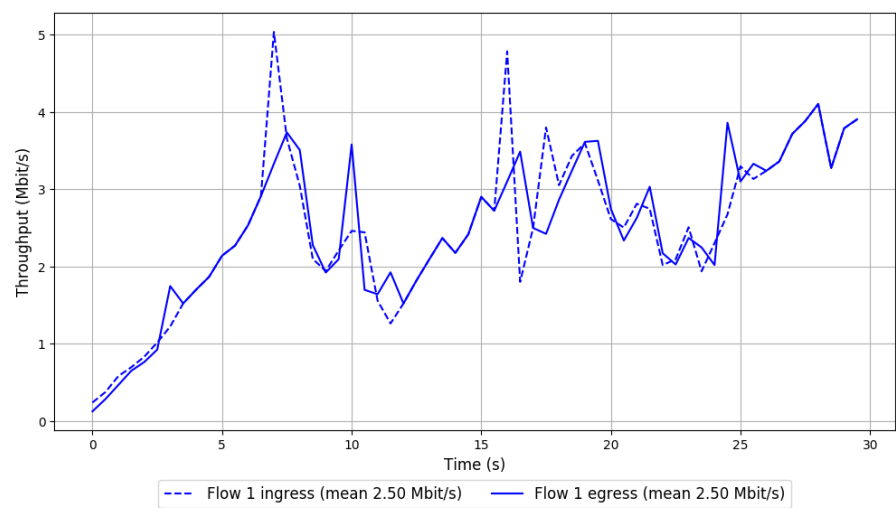
-- Flow 1:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 103.830 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-25 19:55:35

End at: 2018-01-25 19:56:05

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 104.261 ms

Loss rate: 1.72%

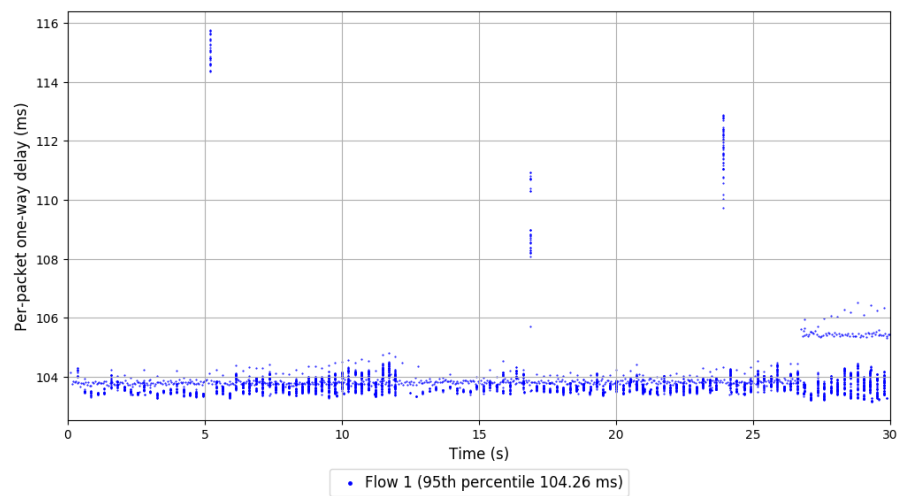
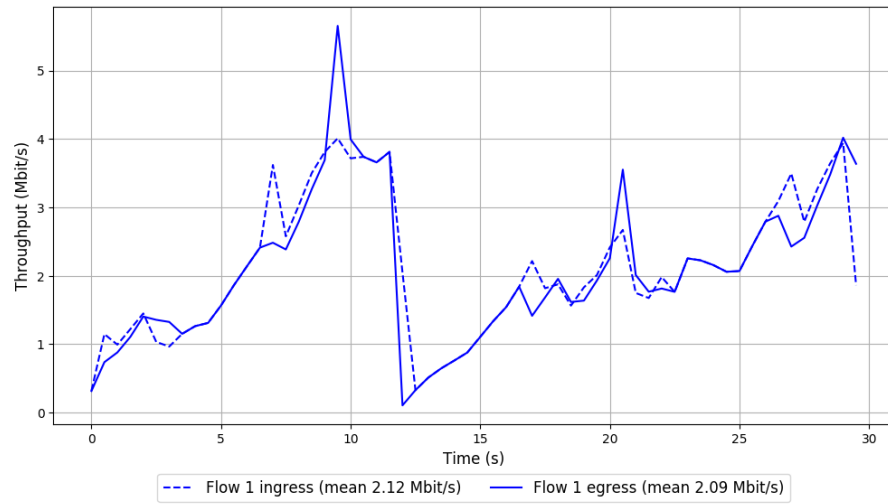
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 104.261 ms

Loss rate: 1.72%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-25 20:08:28

End at: 2018-01-25 20:08:58

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 107.531 ms

Loss rate: 1.43%

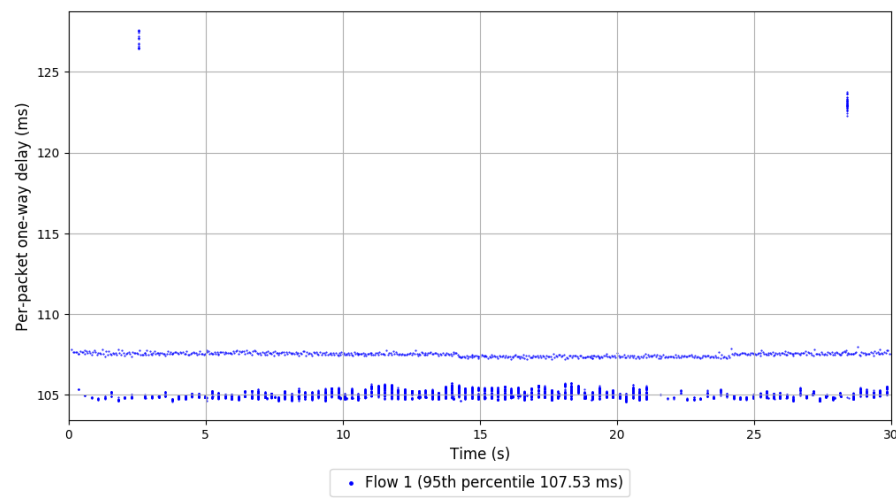
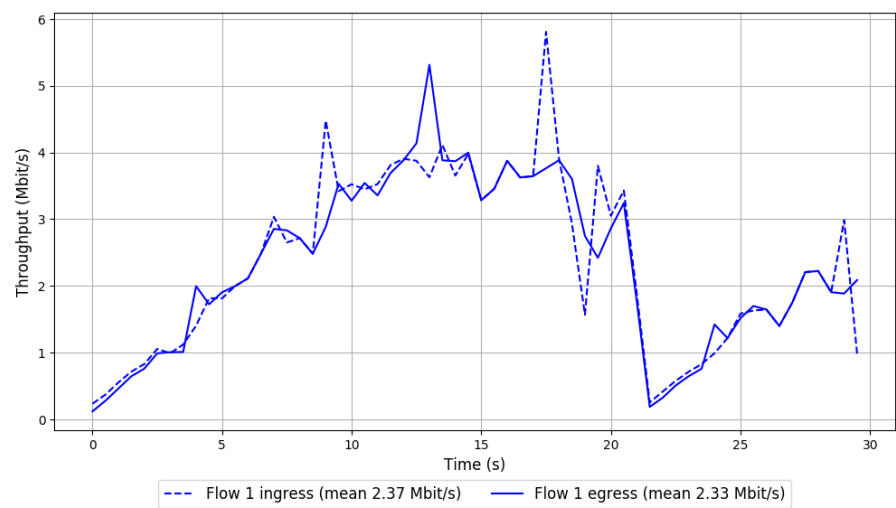
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 107.531 ms

Loss rate: 1.43%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-25 20:21:02

End at: 2018-01-25 20:21:32

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 107.384 ms

Loss rate: 0.72%

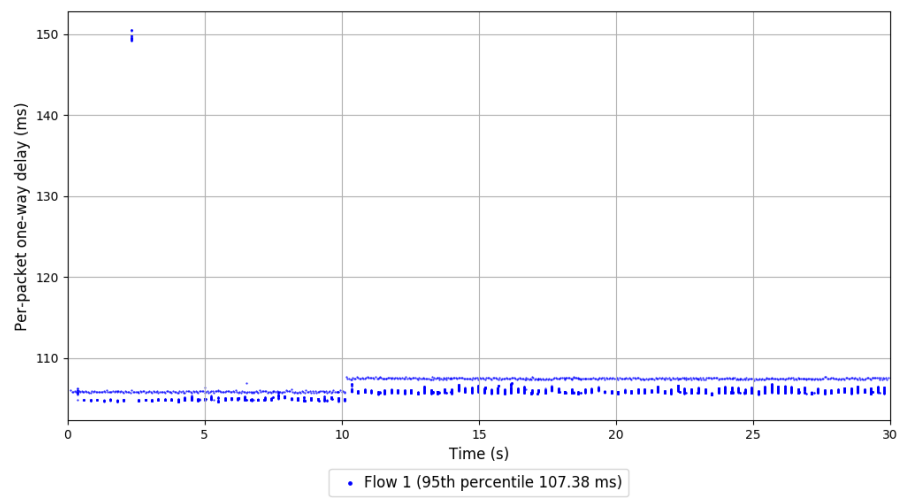
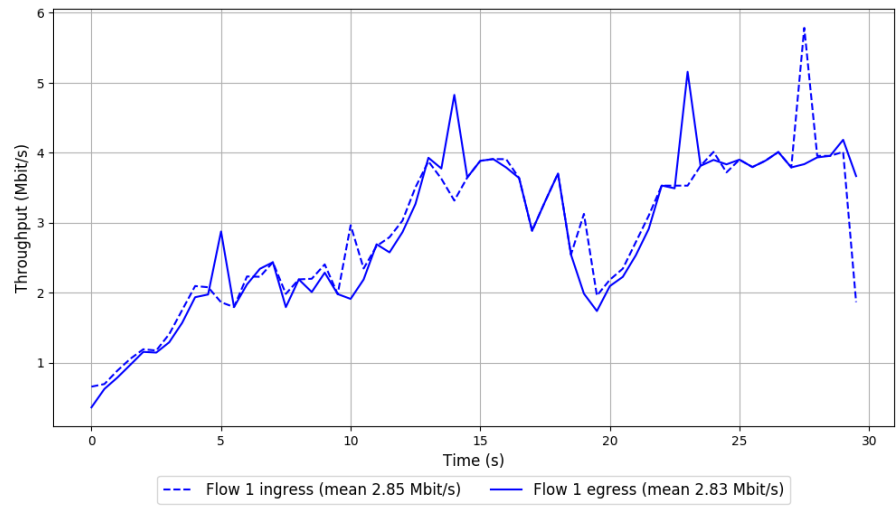
-- Flow 1:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 107.384 ms

Loss rate: 0.72%

Run 10: Report of Sprout — Data Link

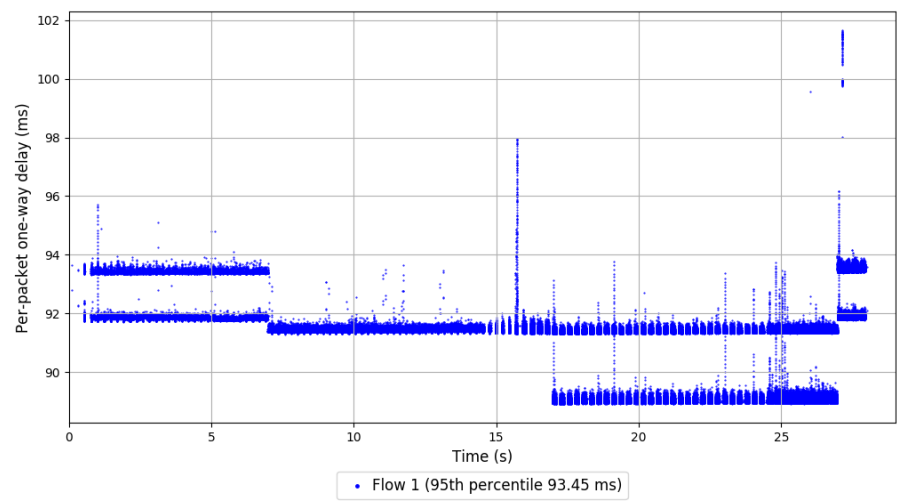
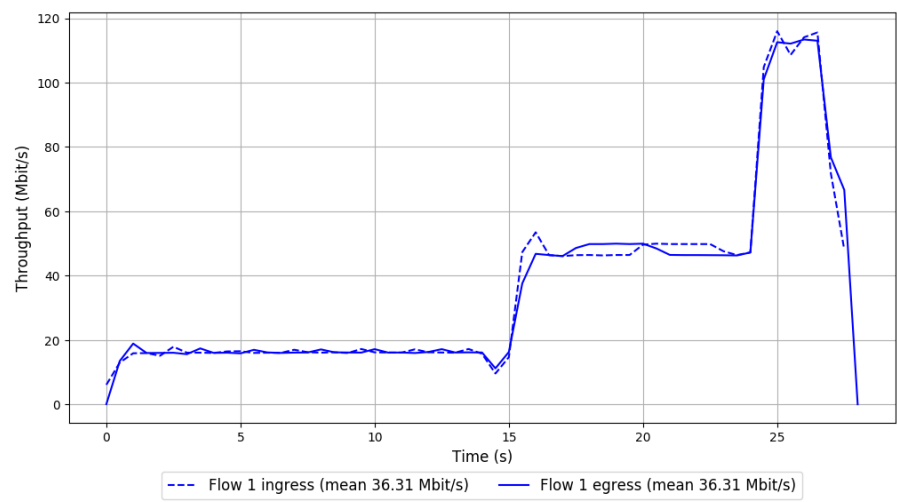


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-25 18:34:13
End at: 2018-01-25 18:34:43

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 93.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 93.449 ms
Loss rate: 0.00%
```


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

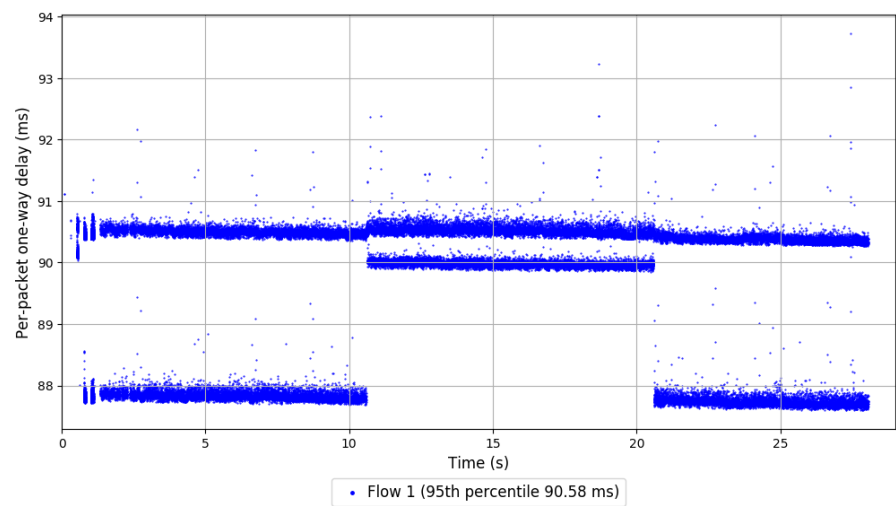
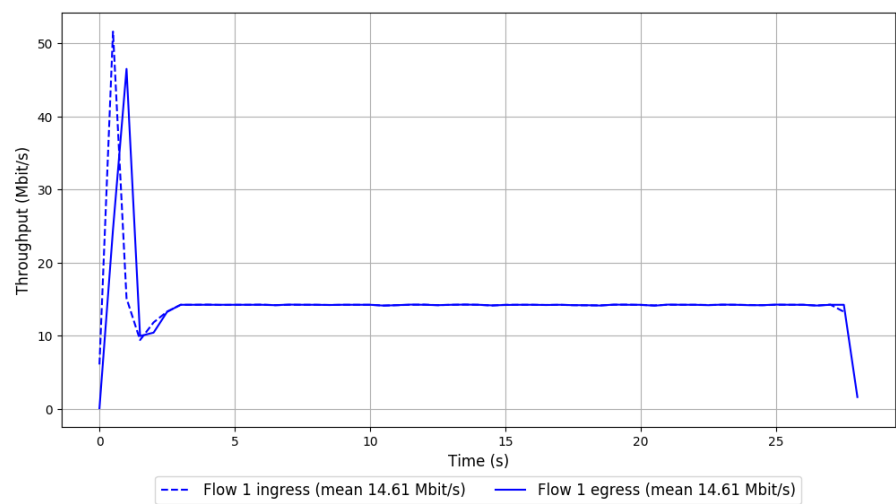


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-25 18:46:59
End at: 2018-01-25 18:47:29

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 90.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 90.575 ms
Loss rate: 0.00%
```

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

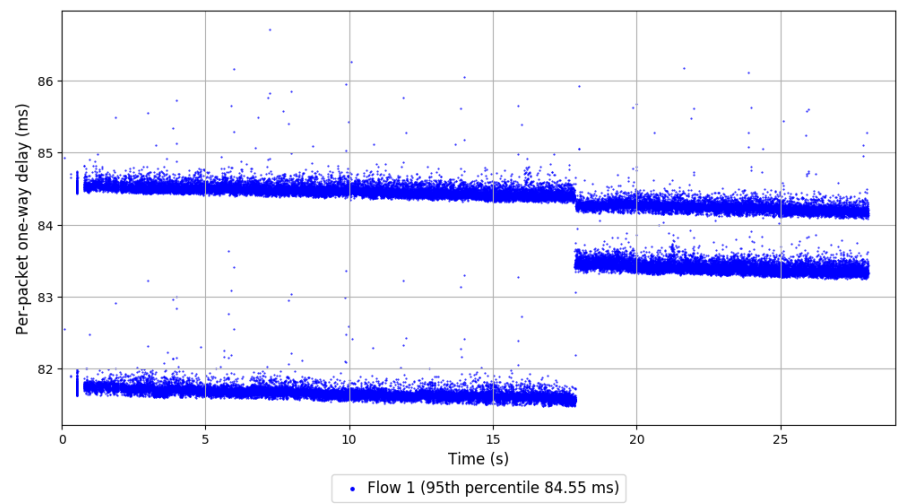
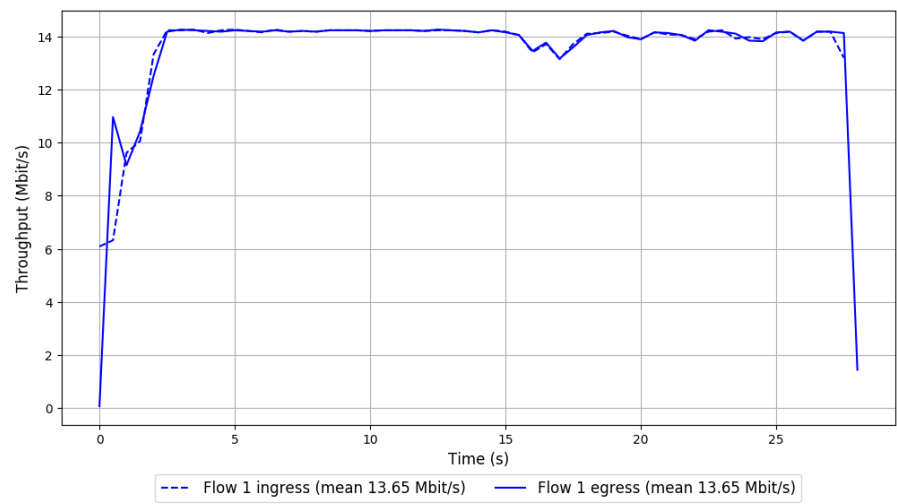


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-25 18:59:42
End at: 2018-01-25 19:00:12

# Below is generated by plot.py at 2018-01-25 21:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 84.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 84.546 ms
Loss rate: 0.00%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-25 19:12:26

End at: 2018-01-25 19:12:56

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.06 Mbit/s

95th percentile per-packet one-way delay: 89.602 ms

Loss rate: 0.93%

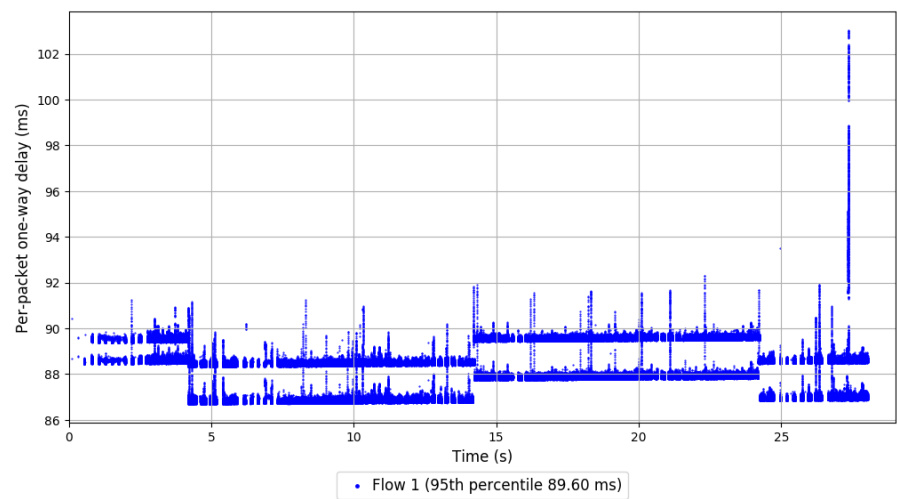
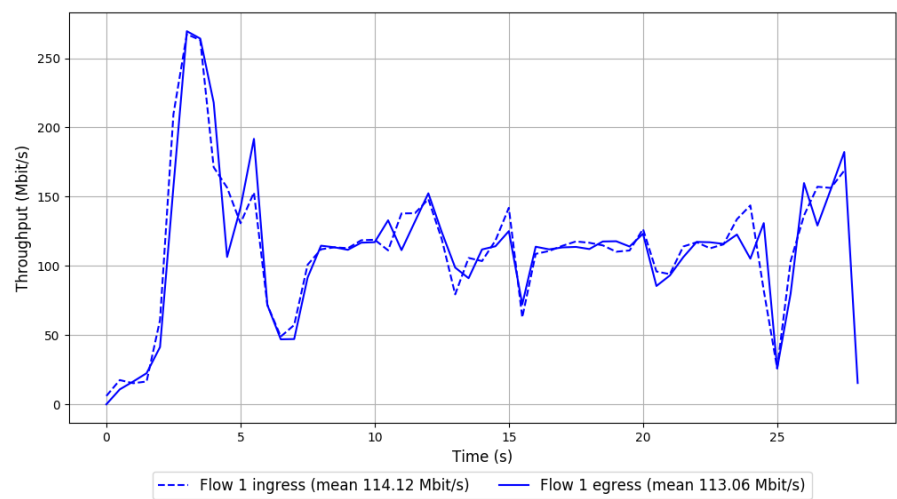
-- Flow 1:

Average throughput: 113.06 Mbit/s

95th percentile per-packet one-way delay: 89.602 ms

Loss rate: 0.93%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-25 19:25:20

End at: 2018-01-25 19:25:50

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 91.961 ms

Loss rate: 0.00%

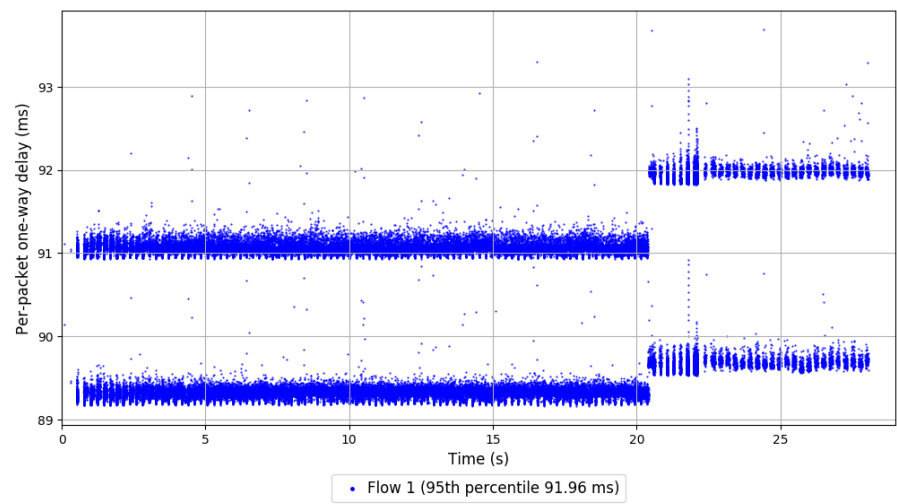
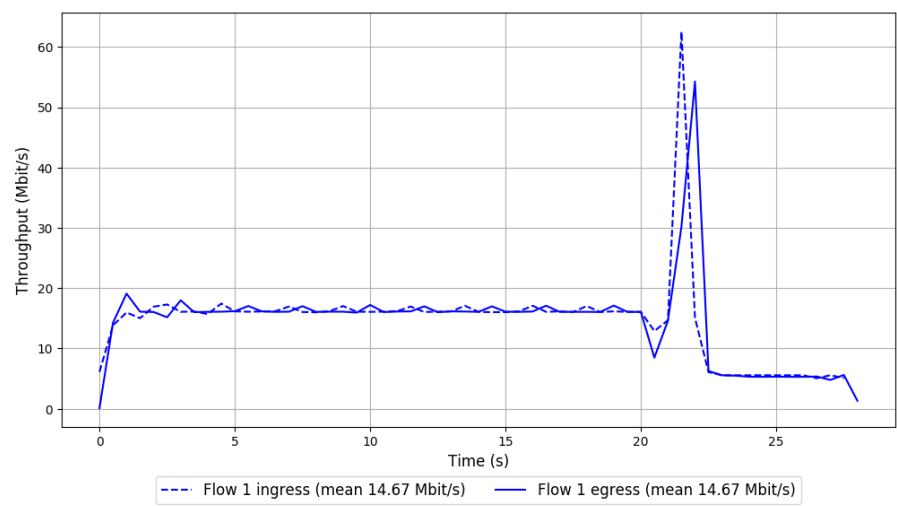
-- Flow 1:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 91.961 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-25 19:37:43

End at: 2018-01-25 19:38:13

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.65 Mbit/s

95th percentile per-packet one-way delay: 100.905 ms

Loss rate: 0.74%

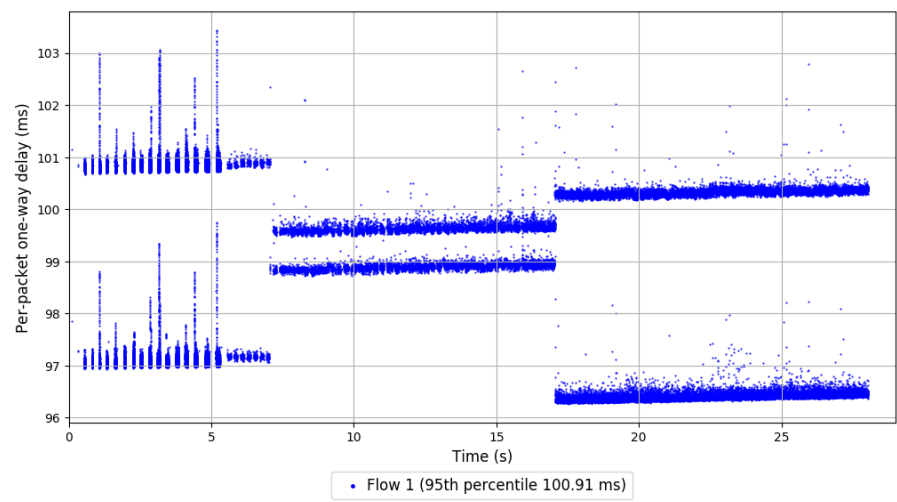
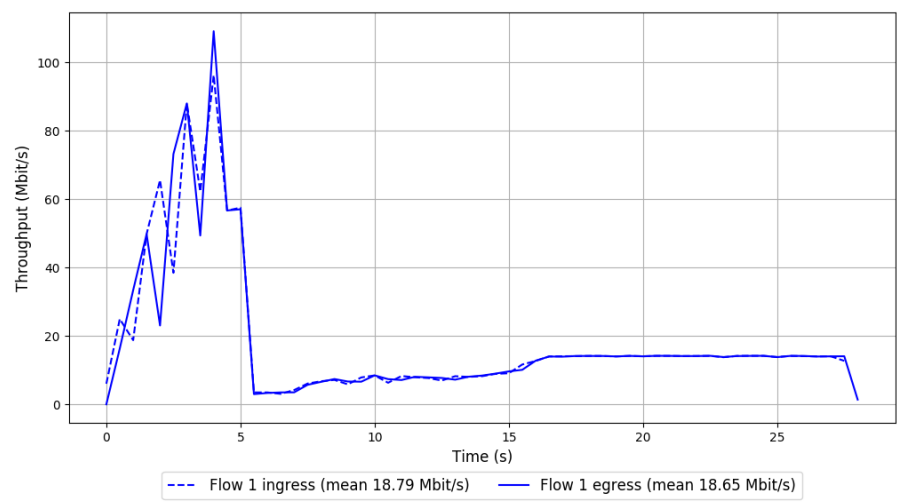
-- Flow 1:

Average throughput: 18.65 Mbit/s

95th percentile per-packet one-way delay: 100.905 ms

Loss rate: 0.74%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-25 19:50:22

End at: 2018-01-25 19:50:52

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 105.119 ms

Loss rate: 0.01%

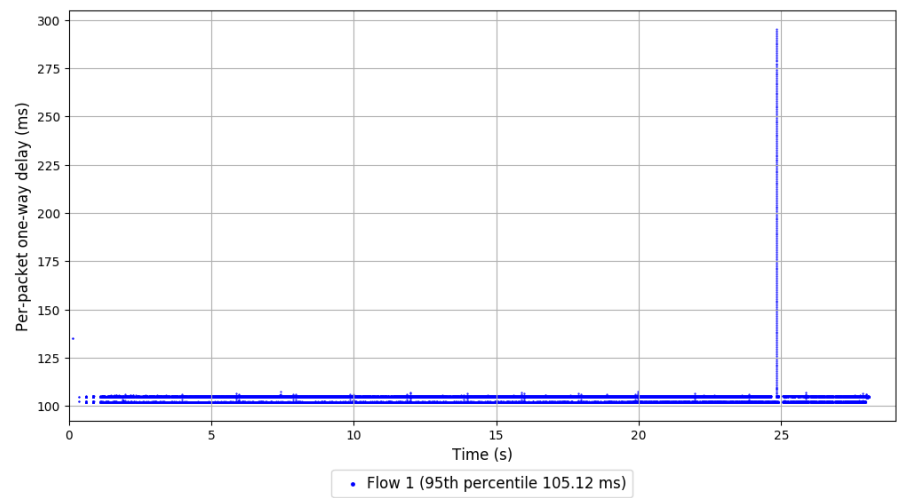
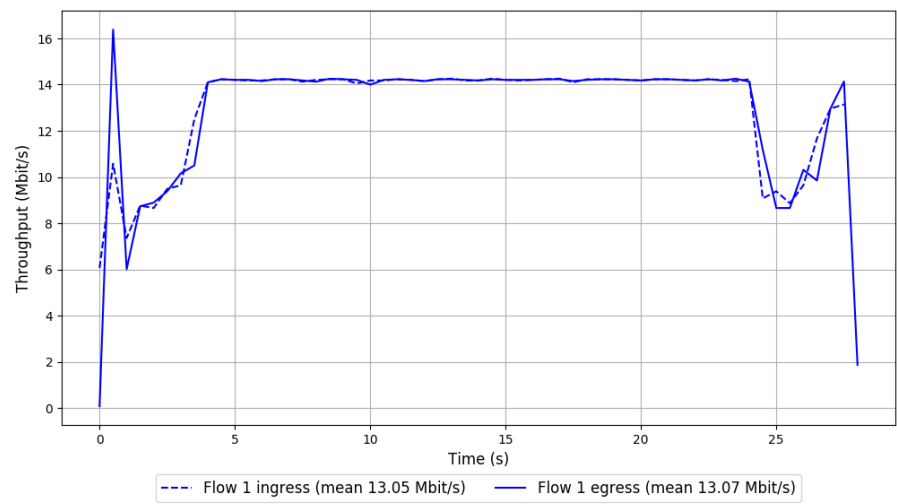
-- Flow 1:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 105.119 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-25 20:03:12

End at: 2018-01-25 20:03:42

Below is generated by plot.py at 2018-01-25 21:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.71 Mbit/s

95th percentile per-packet one-way delay: 107.310 ms

Loss rate: 0.01%

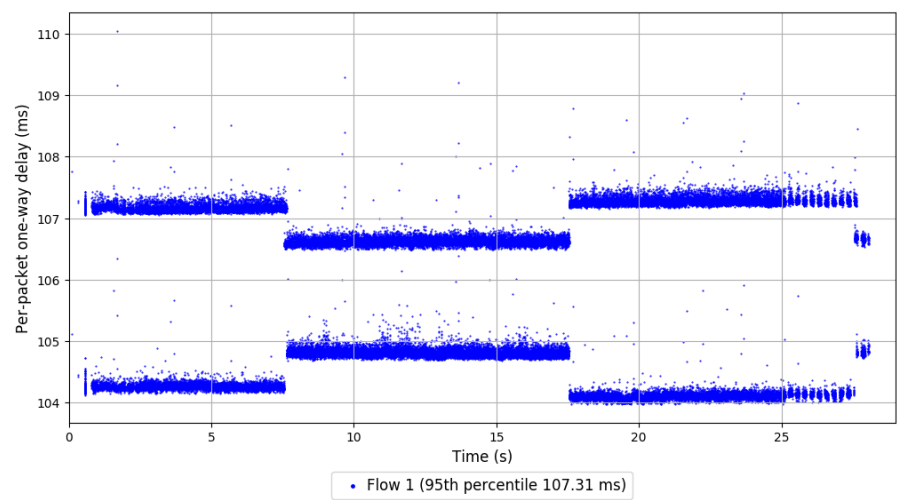
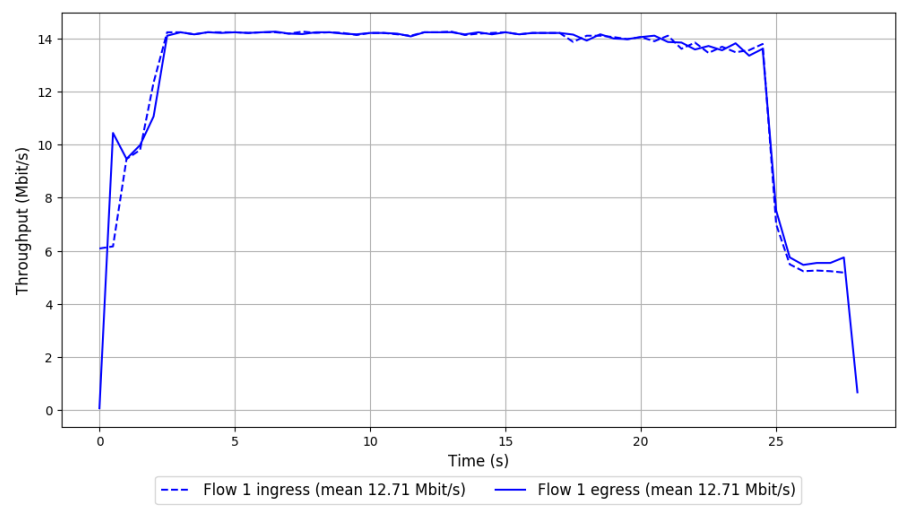
-- Flow 1:

Average throughput: 12.71 Mbit/s

95th percentile per-packet one-way delay: 107.310 ms

Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-25 20:15:39

End at: 2018-01-25 20:16:09

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.62 Mbit/s

95th percentile per-packet one-way delay: 106.844 ms

Loss rate: 0.01%

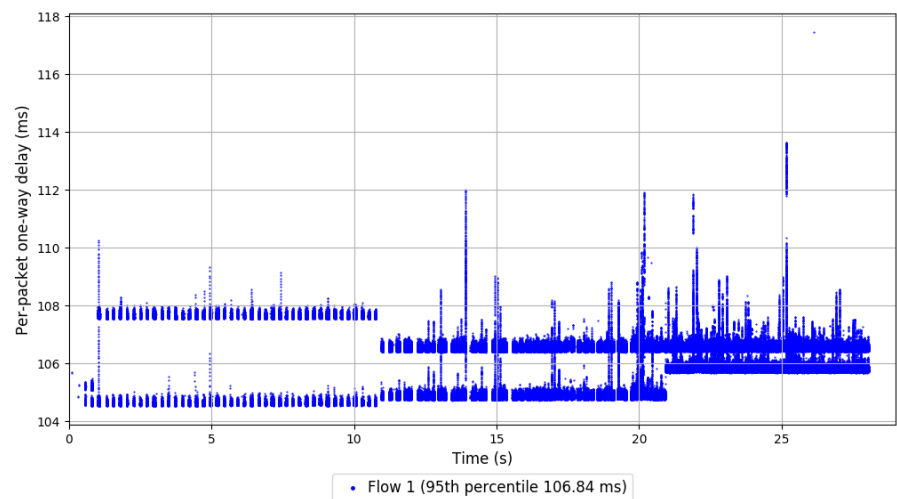
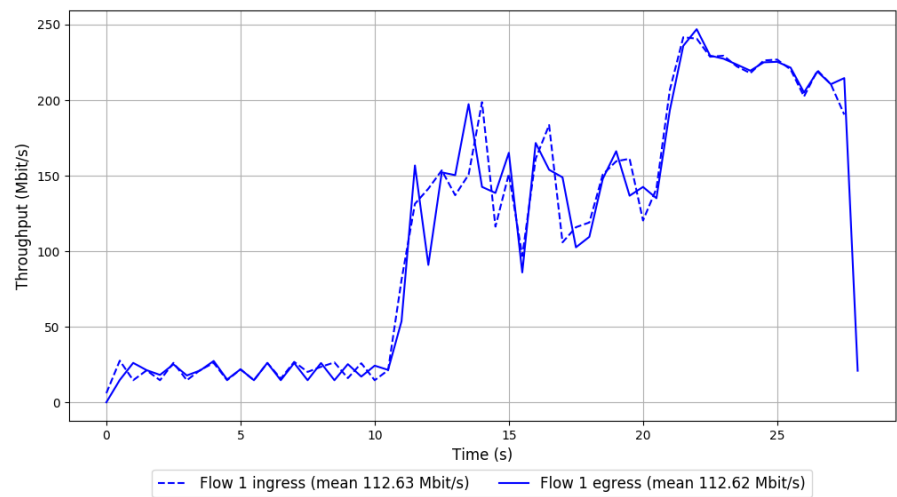
-- Flow 1:

Average throughput: 112.62 Mbit/s

95th percentile per-packet one-way delay: 106.844 ms

Loss rate: 0.01%

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

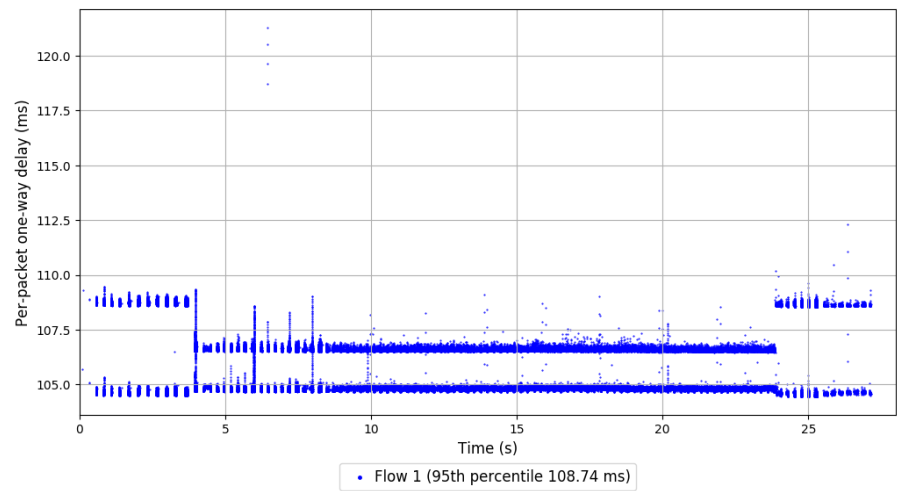
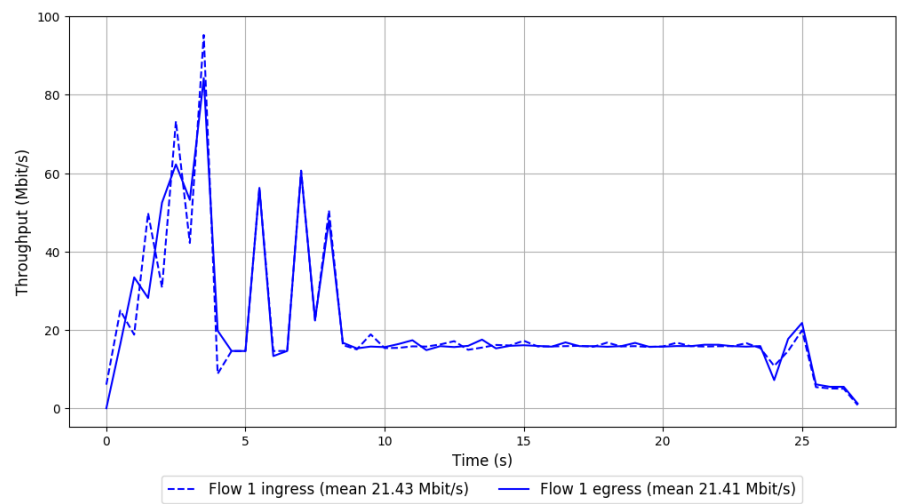


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-25 20:28:25
End at: 2018-01-25 20:28:55

# Below is generated by plot.py at 2018-01-25 21:29:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 108.740 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 108.740 ms
Loss rate: 0.11%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 18:26:21

End at: 2018-01-25 18:26:51

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.30 Mbit/s

95th percentile per-packet one-way delay: 91.516 ms

Loss rate: 0.00%

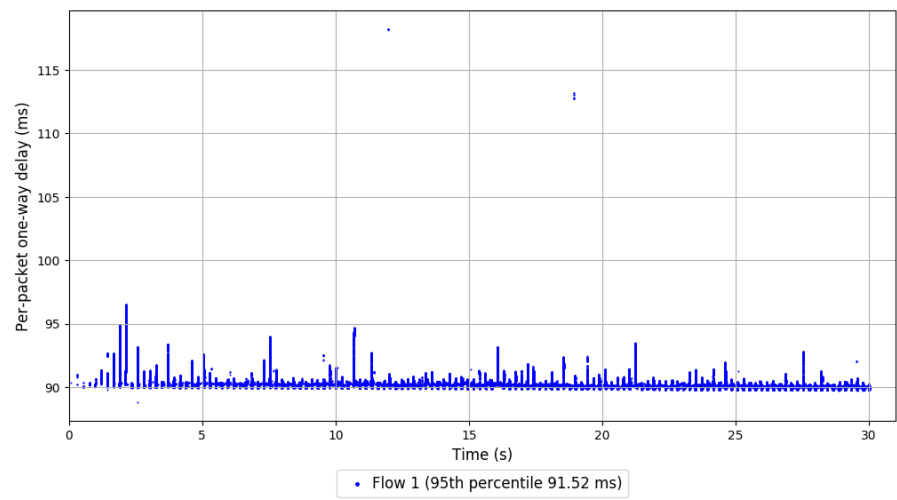
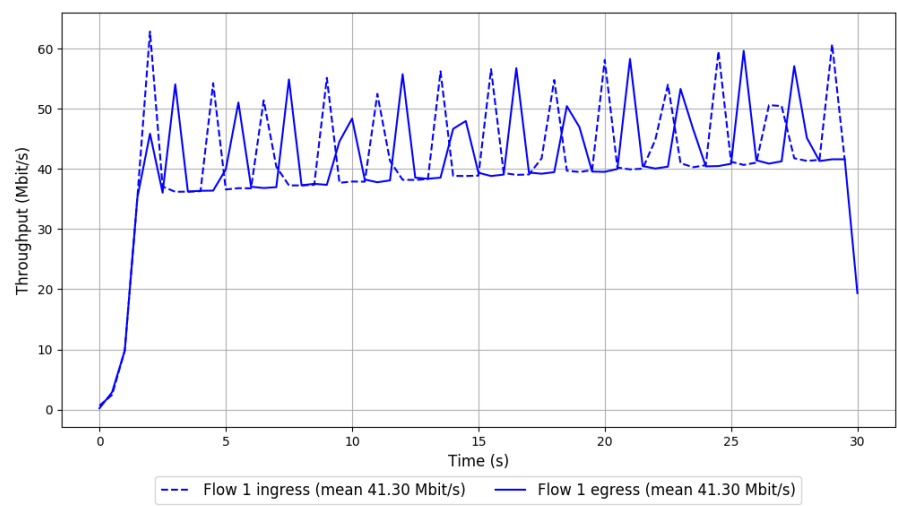
-- Flow 1:

Average throughput: 41.30 Mbit/s

95th percentile per-packet one-way delay: 91.516 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-25 18:38:44

End at: 2018-01-25 18:39:14

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 92.490 ms

Loss rate: 1.39%

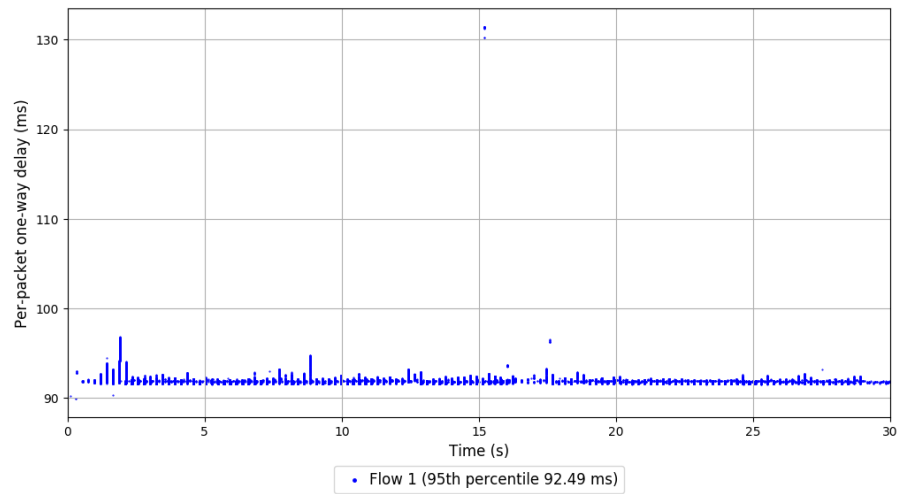
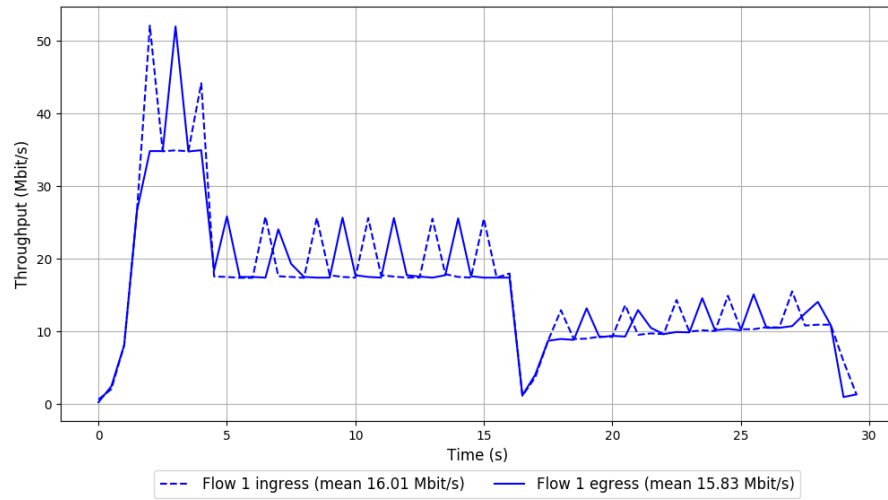
-- Flow 1:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 92.490 ms

Loss rate: 1.39%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-25 18:51:29

End at: 2018-01-25 18:51:59

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.92 Mbit/s

95th percentile per-packet one-way delay: 90.936 ms

Loss rate: 0.84%

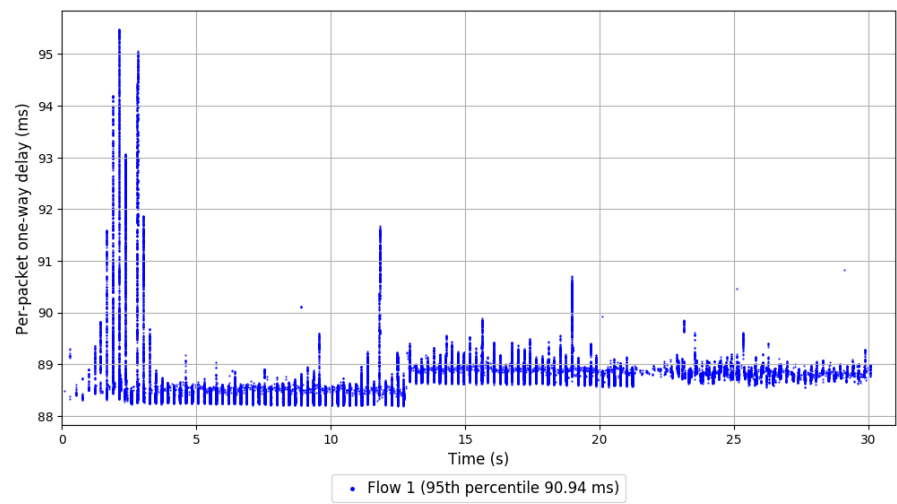
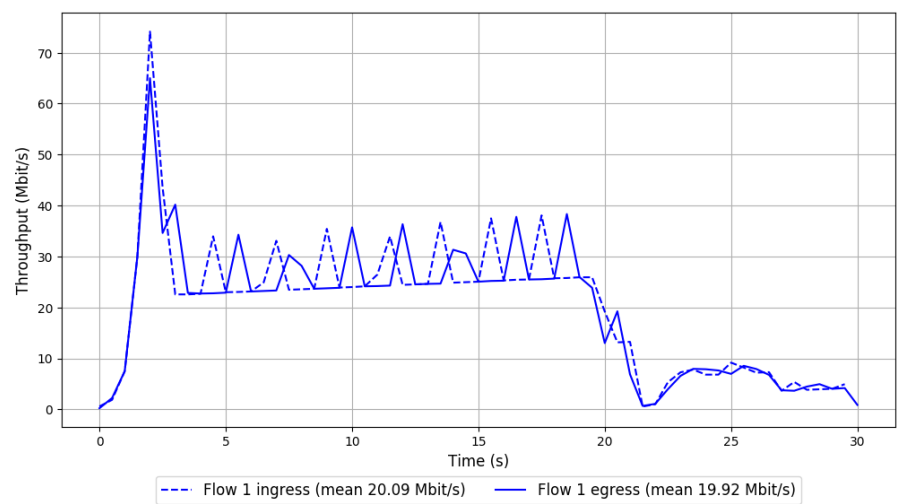
-- Flow 1:

Average throughput: 19.92 Mbit/s

95th percentile per-packet one-way delay: 90.936 ms

Loss rate: 0.84%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-25 19:04:15

End at: 2018-01-25 19:04:45

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.74 Mbit/s

95th percentile per-packet one-way delay: 84.636 ms

Loss rate: 0.80%

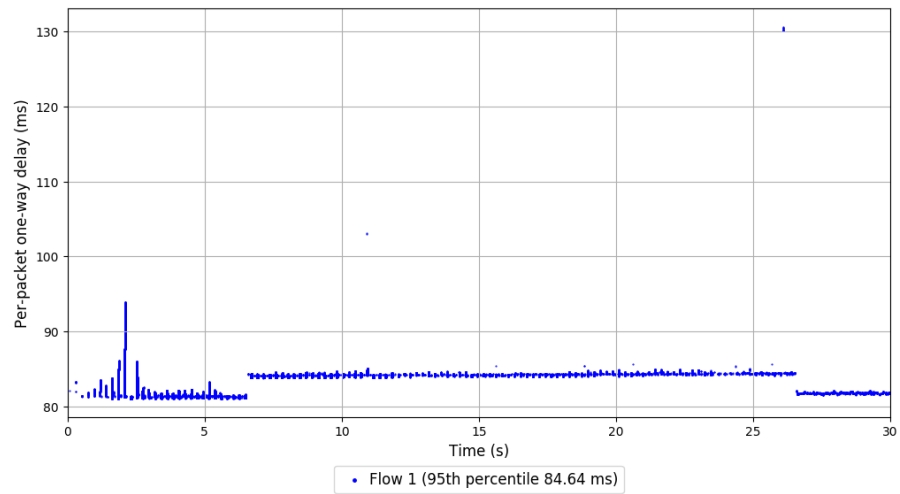
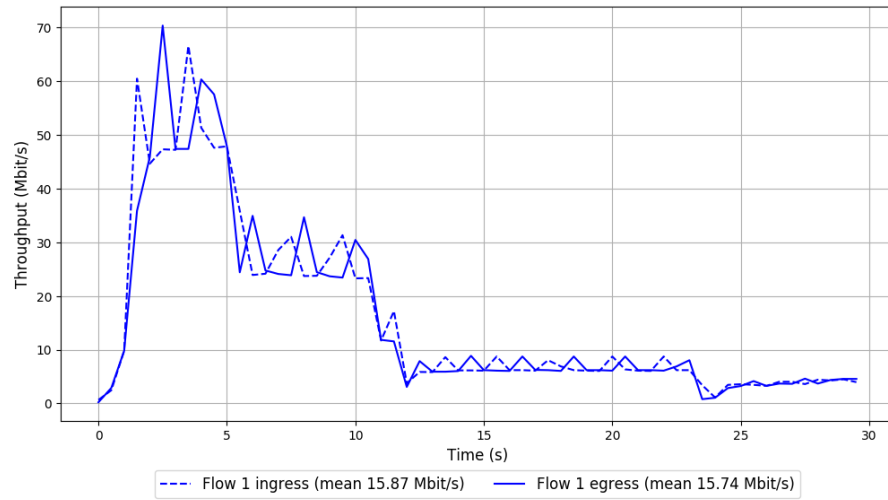
-- Flow 1:

Average throughput: 15.74 Mbit/s

95th percentile per-packet one-way delay: 84.636 ms

Loss rate: 0.80%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-25 19:17:07

End at: 2018-01-25 19:17:37

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 91.878 ms

Loss rate: 1.62%

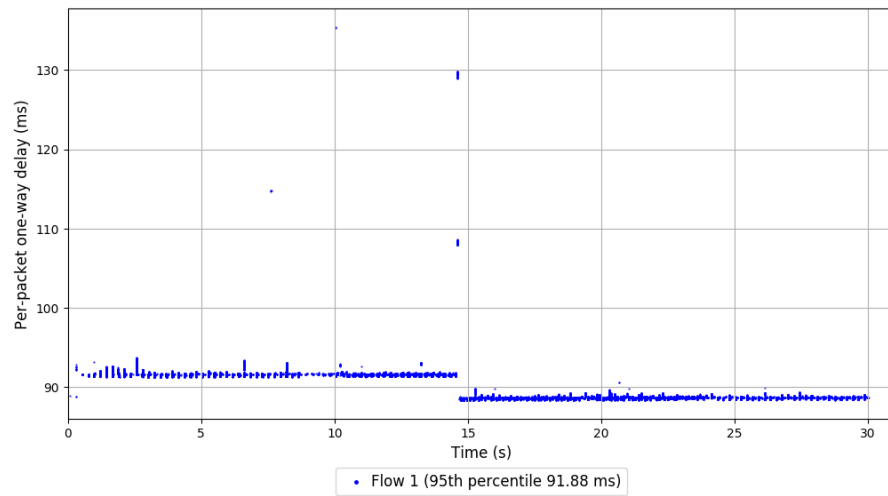
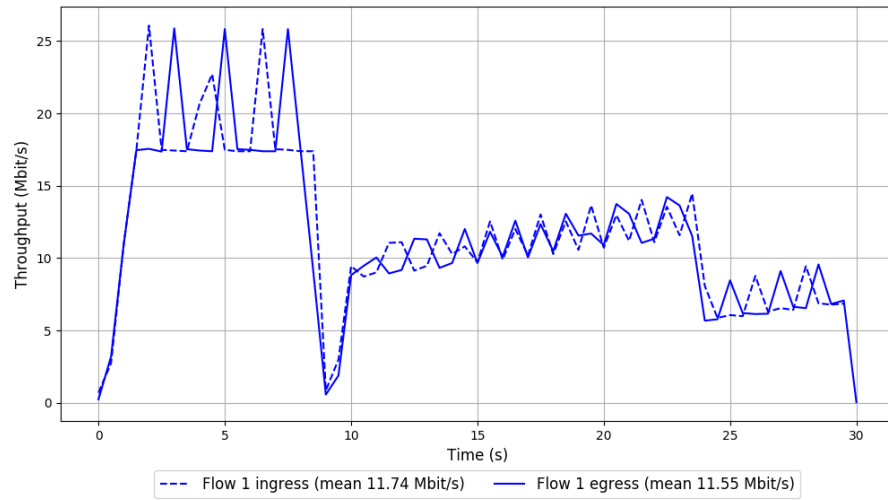
-- Flow 1:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 91.878 ms

Loss rate: 1.62%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-25 19:29:52

End at: 2018-01-25 19:30:22

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 93.756 ms

Loss rate: 0.00%

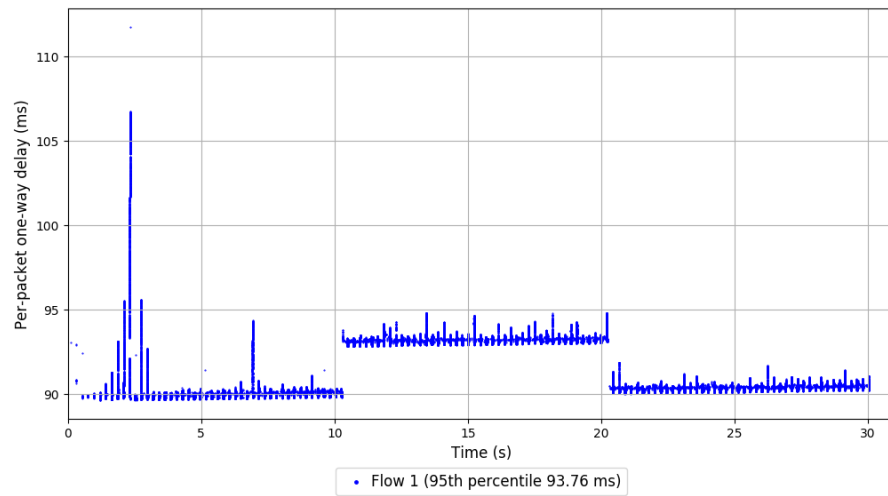
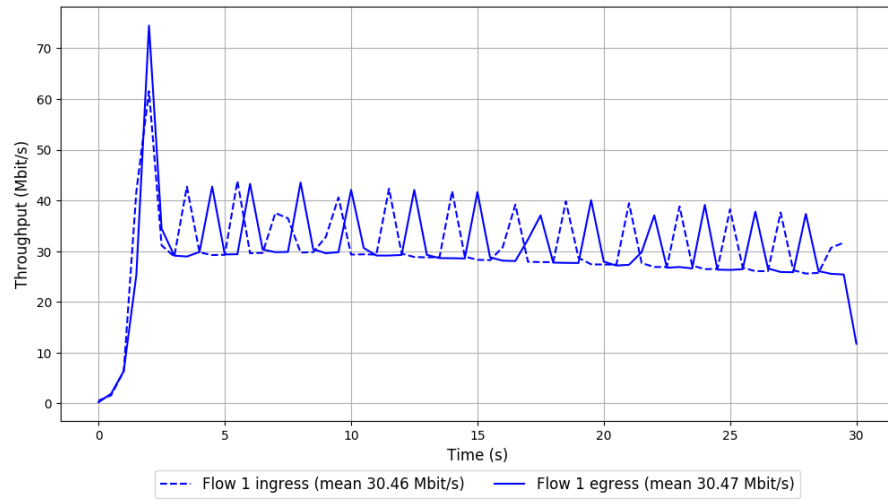
-- Flow 1:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 93.756 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-25 19:42:15

End at: 2018-01-25 19:42:45

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 103.173 ms

Loss rate: 0.00%

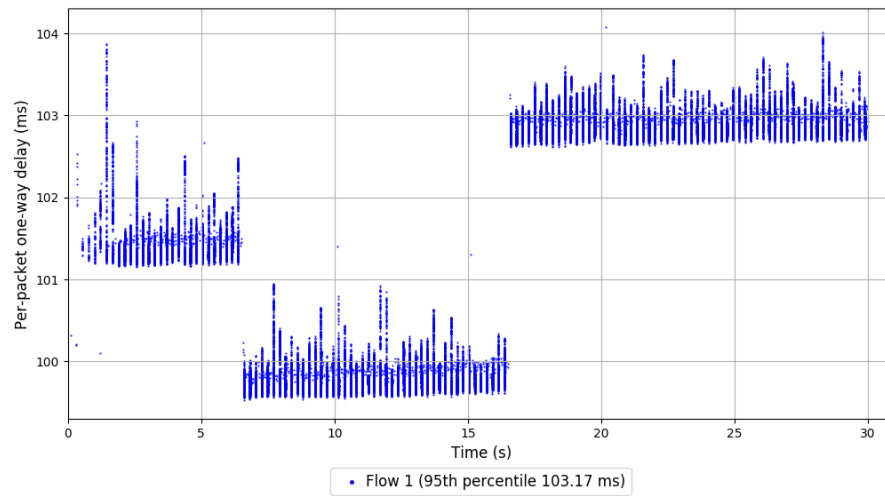
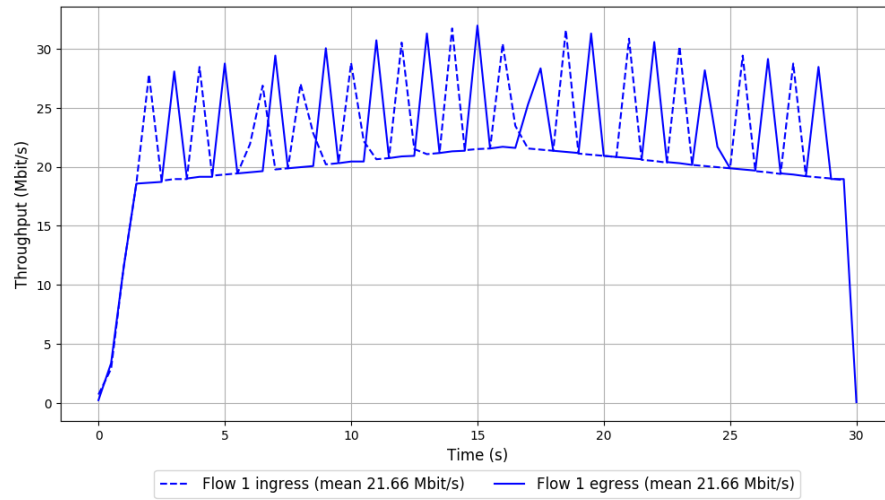
-- Flow 1:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 103.173 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-25 19:54:54

End at: 2018-01-25 19:55:24

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 103.746 ms

Loss rate: 0.64%

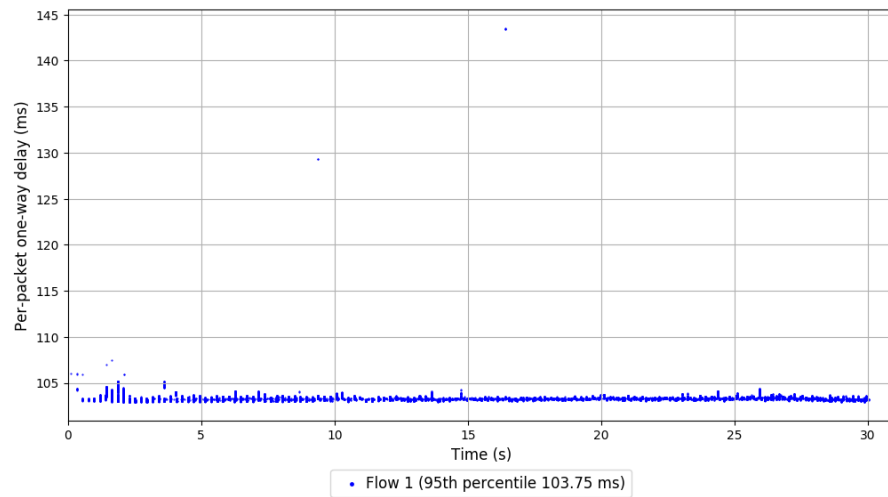
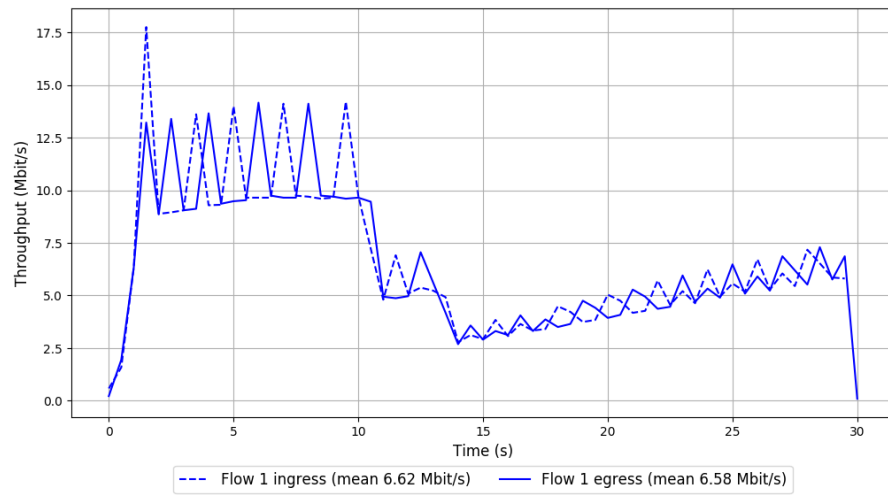
-- Flow 1:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 103.746 ms

Loss rate: 0.64%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-25 20:07:44

End at: 2018-01-25 20:08:14

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.37 Mbit/s

95th percentile per-packet one-way delay: 107.455 ms

Loss rate: 0.10%

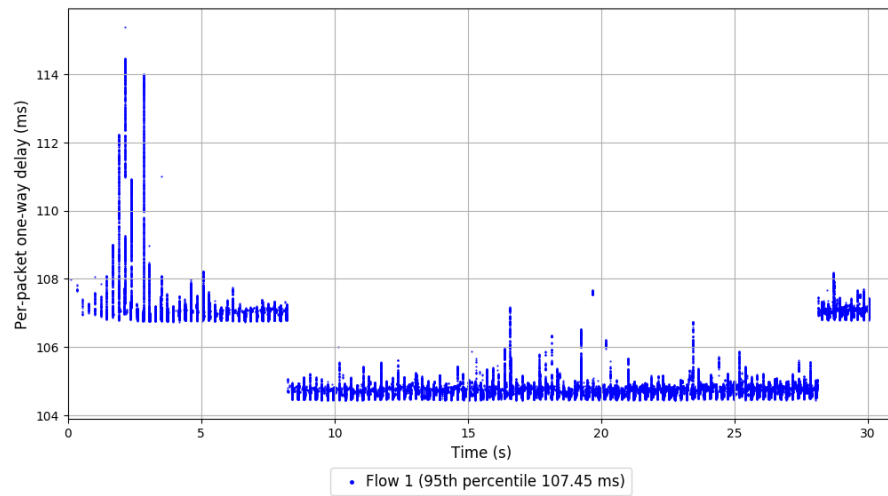
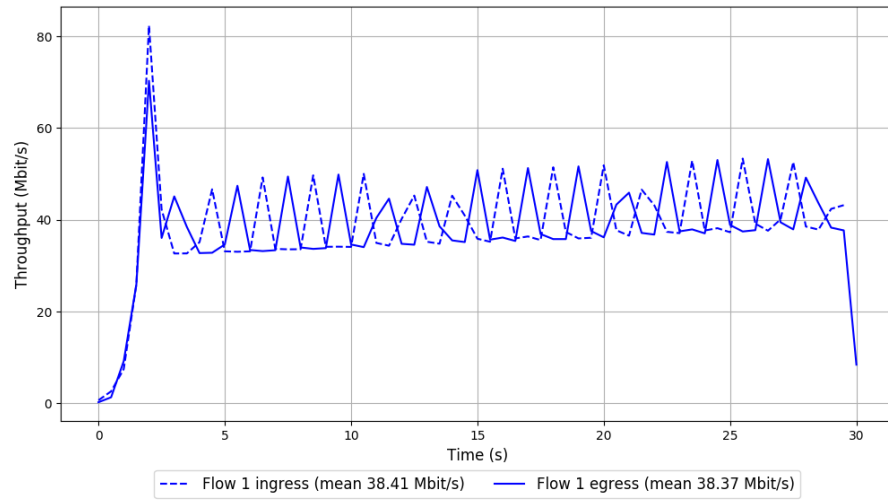
-- Flow 1:

Average throughput: 38.37 Mbit/s

95th percentile per-packet one-way delay: 107.455 ms

Loss rate: 0.10%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-25 20:20:18

End at: 2018-01-25 20:20:48

Below is generated by plot.py at 2018-01-25 21:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.69 Mbit/s

95th percentile per-packet one-way delay: 106.560 ms

Loss rate: 0.26%

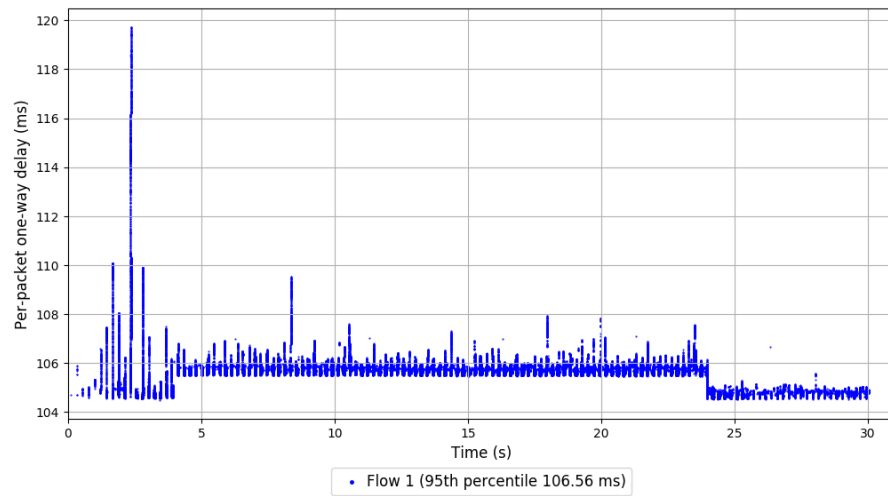
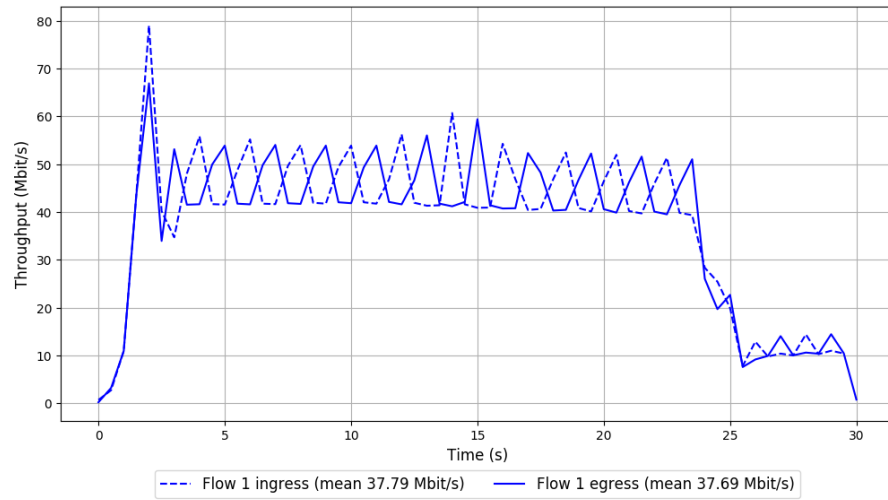
-- Flow 1:

Average throughput: 37.69 Mbit/s

95th percentile per-packet one-way delay: 106.560 ms

Loss rate: 0.26%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-25 18:30:06

End at: 2018-01-25 18:30:36

Below is generated by plot.py at 2018-01-25 21:29:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.31 Mbit/s

95th percentile per-packet one-way delay: 114.854 ms

Loss rate: 0.31%

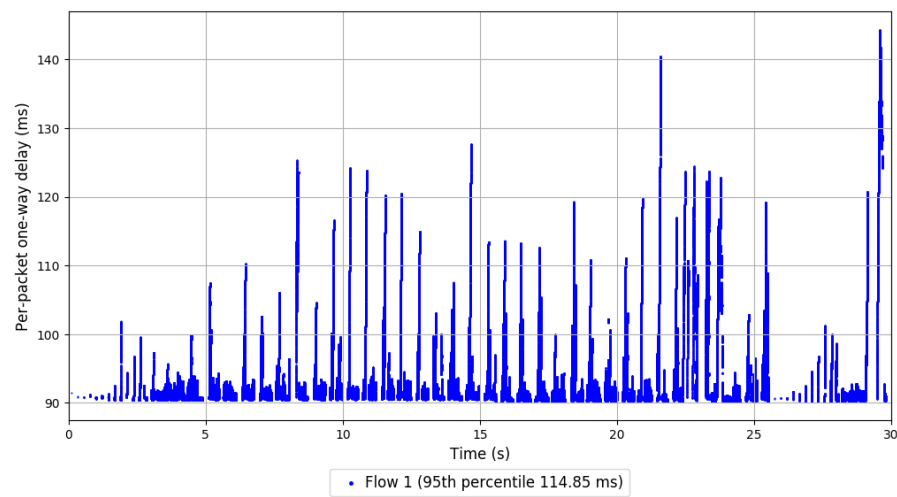
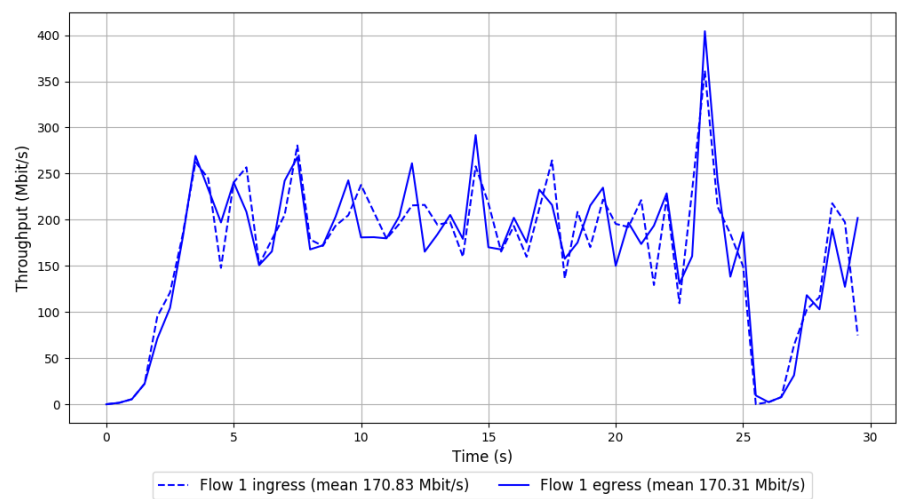
-- Flow 1:

Average throughput: 170.31 Mbit/s

95th percentile per-packet one-way delay: 114.854 ms

Loss rate: 0.31%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-25 18:42:28

End at: 2018-01-25 18:42:58

Below is generated by plot.py at 2018-01-25 21:29:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.32 Mbit/s

95th percentile per-packet one-way delay: 109.708 ms

Loss rate: 0.09%

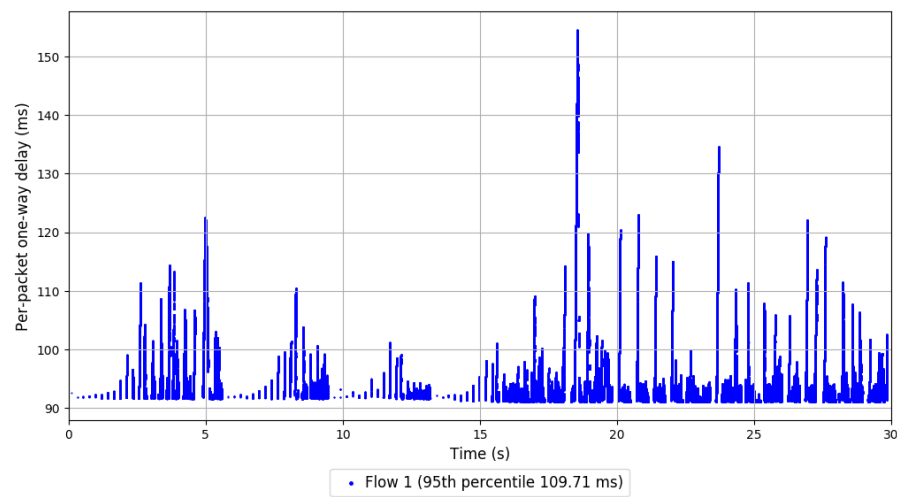
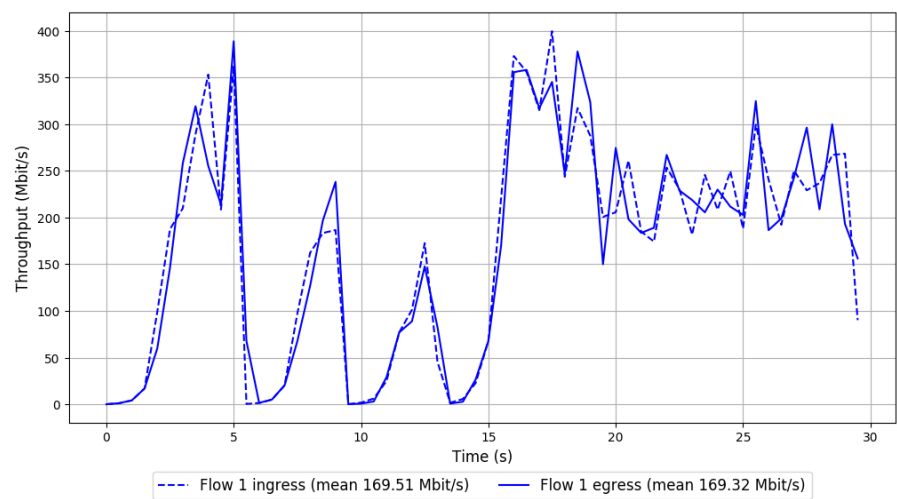
-- Flow 1:

Average throughput: 169.32 Mbit/s

95th percentile per-packet one-way delay: 109.708 ms

Loss rate: 0.09%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-25 18:55:14

End at: 2018-01-25 18:55:44

Below is generated by plot.py at 2018-01-25 21:29:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.73 Mbit/s

95th percentile per-packet one-way delay: 116.765 ms

Loss rate: 0.79%

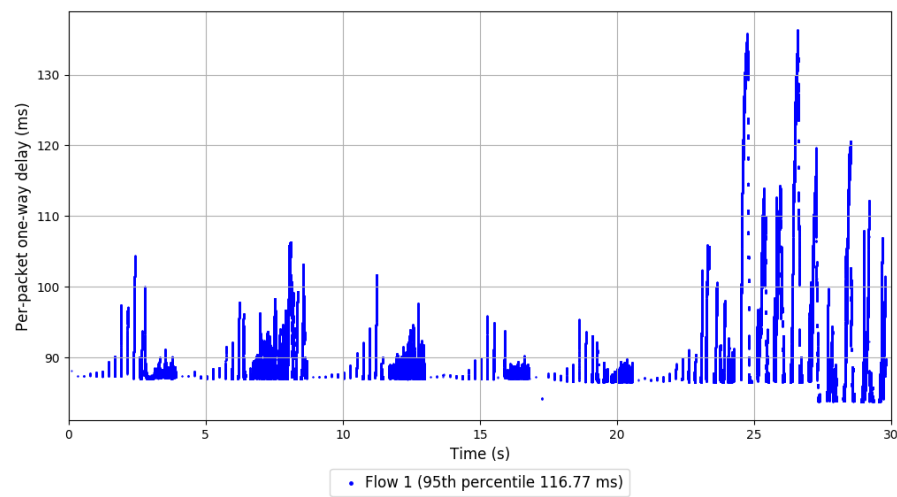
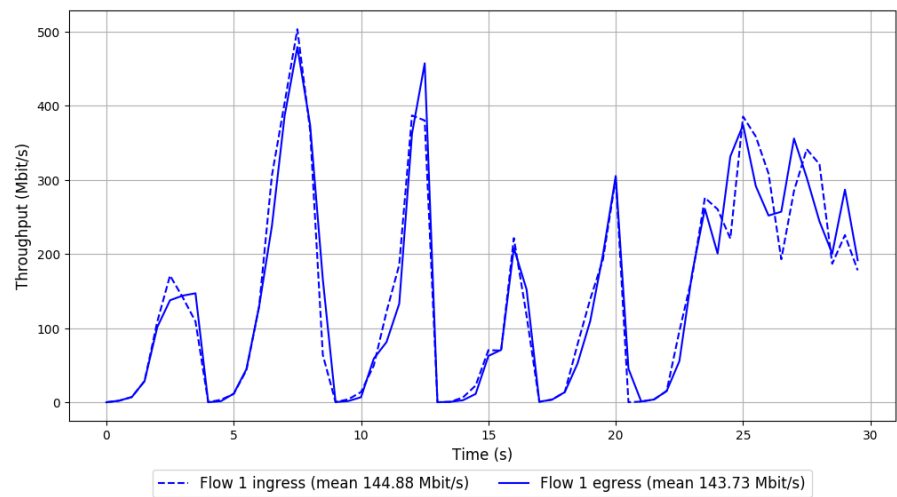
-- Flow 1:

Average throughput: 143.73 Mbit/s

95th percentile per-packet one-way delay: 116.765 ms

Loss rate: 0.79%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-25 19:08:00

End at: 2018-01-25 19:08:30

Below is generated by plot.py at 2018-01-25 21:29:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.45 Mbit/s

95th percentile per-packet one-way delay: 257.614 ms

Loss rate: 3.65%

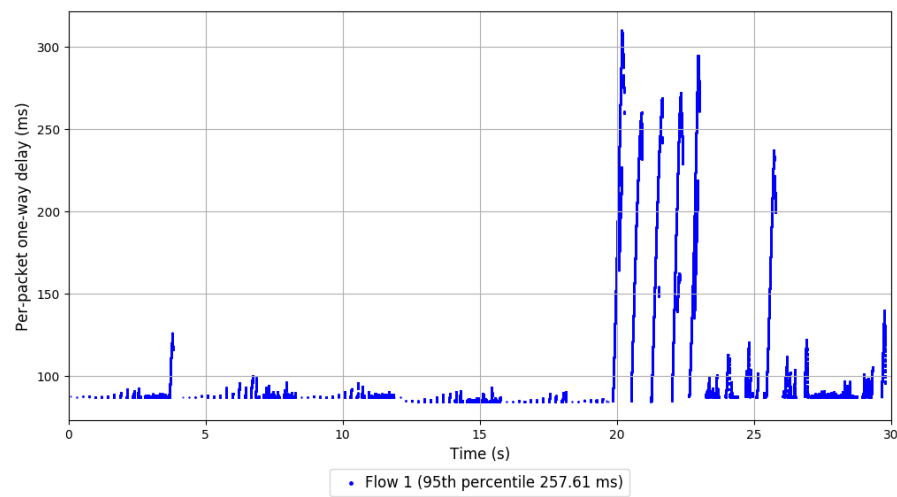
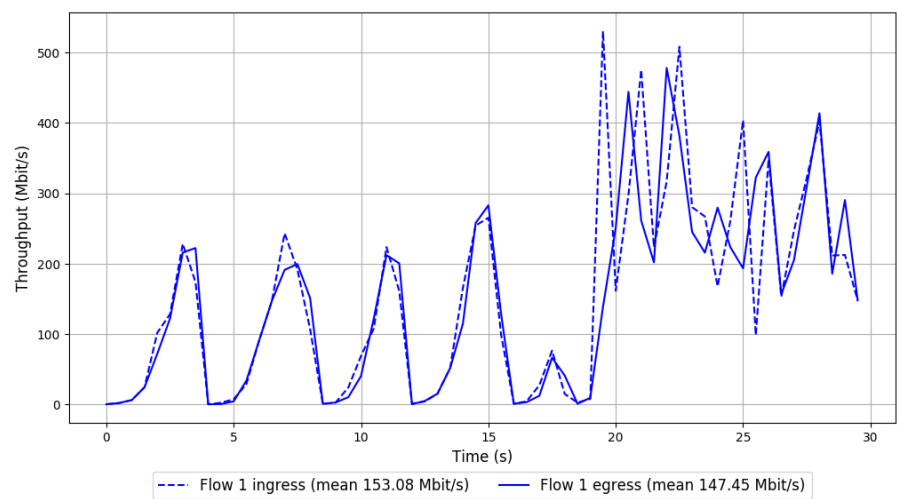
-- Flow 1:

Average throughput: 147.45 Mbit/s

95th percentile per-packet one-way delay: 257.614 ms

Loss rate: 3.65%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-25 19:20:51

End at: 2018-01-25 19:21:21

Below is generated by plot.py at 2018-01-25 21:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.70 Mbit/s

95th percentile per-packet one-way delay: 148.203 ms

Loss rate: 0.05%

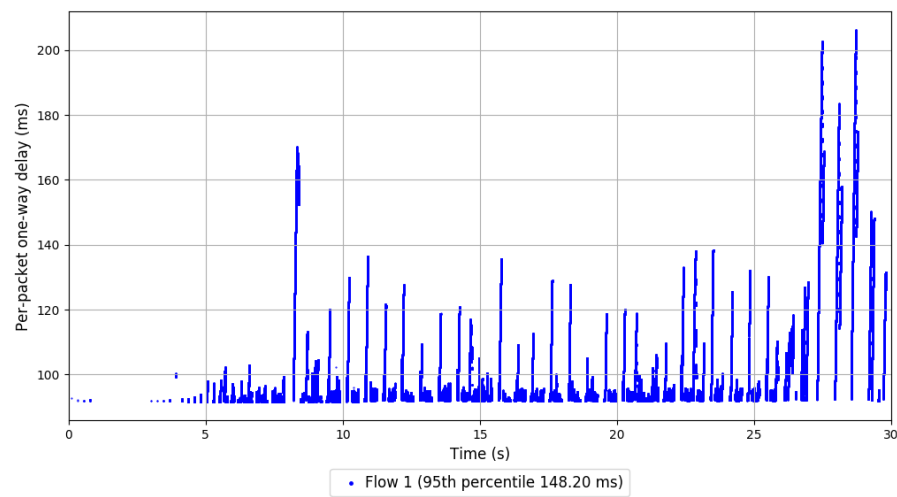
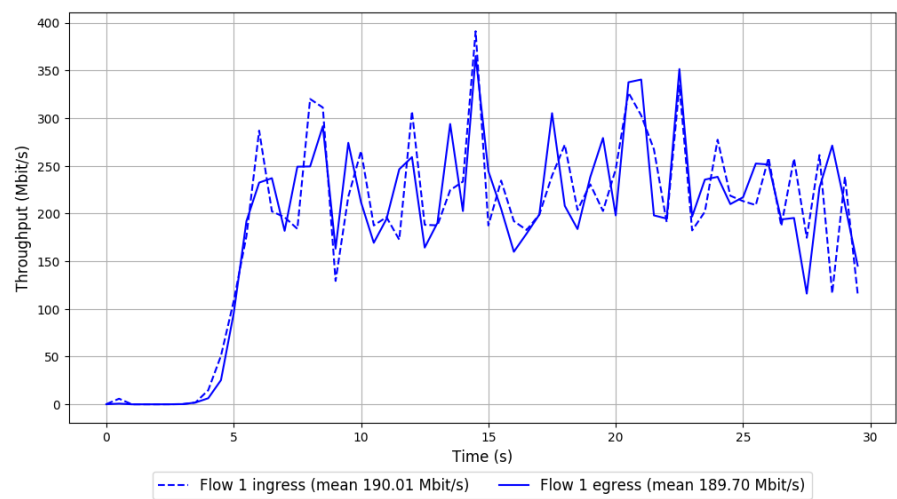
-- Flow 1:

Average throughput: 189.70 Mbit/s

95th percentile per-packet one-way delay: 148.203 ms

Loss rate: 0.05%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-25 19:33:37

End at: 2018-01-25 19:34:07

Below is generated by plot.py at 2018-01-25 21:30:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.57 Mbit/s

95th percentile per-packet one-way delay: 127.659 ms

Loss rate: 0.10%

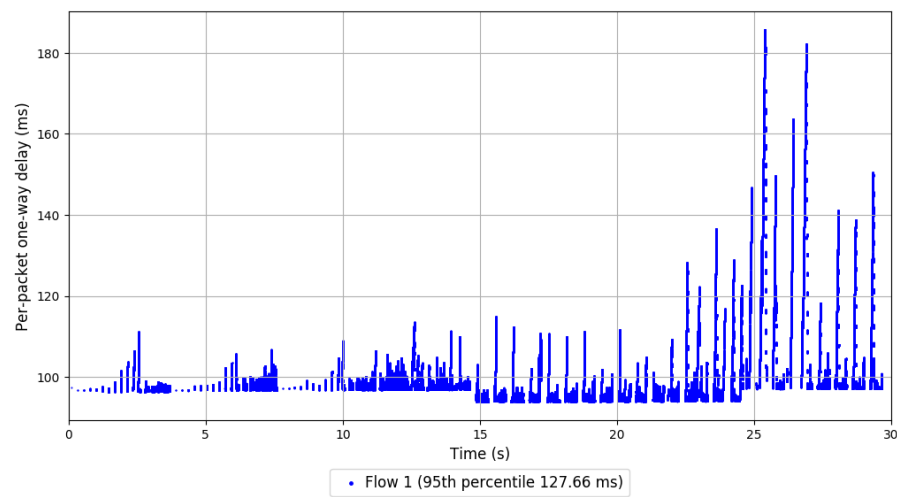
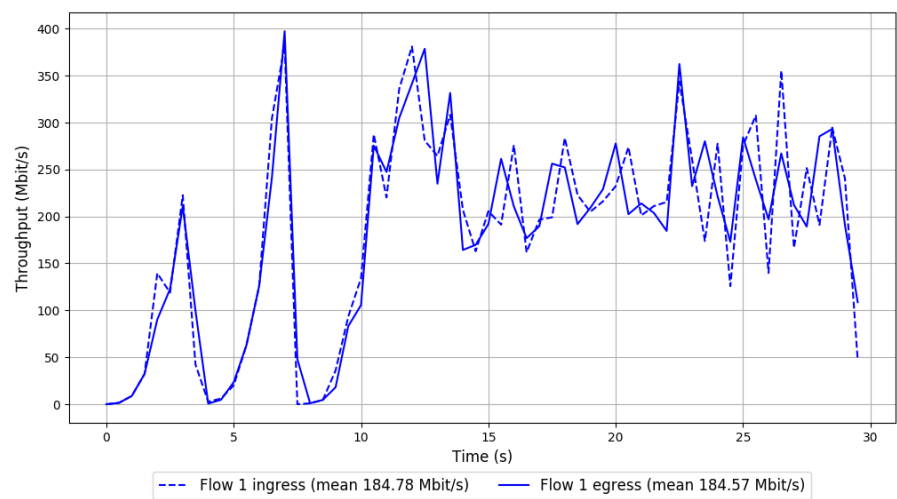
-- Flow 1:

Average throughput: 184.57 Mbit/s

95th percentile per-packet one-way delay: 127.659 ms

Loss rate: 0.10%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-25 19:46:01

End at: 2018-01-25 19:46:31

Below is generated by plot.py at 2018-01-25 21:30:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.86 Mbit/s

95th percentile per-packet one-way delay: 107.361 ms

Loss rate: 0.00%

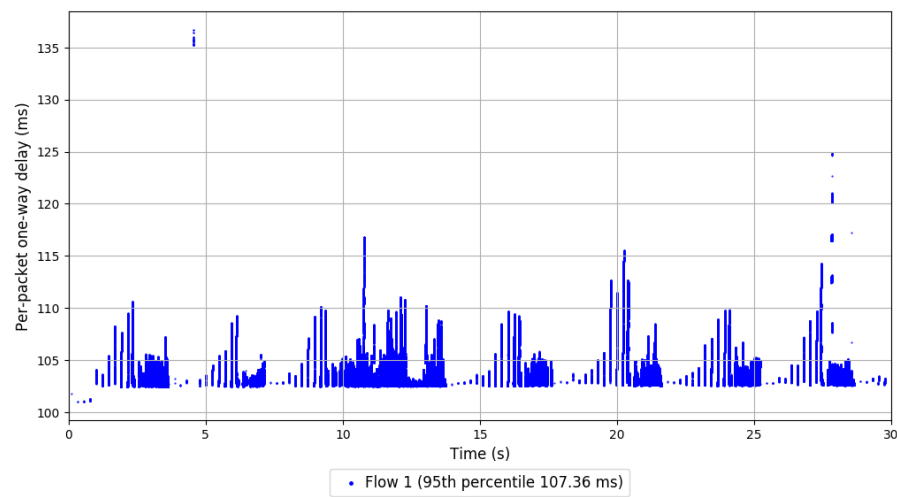
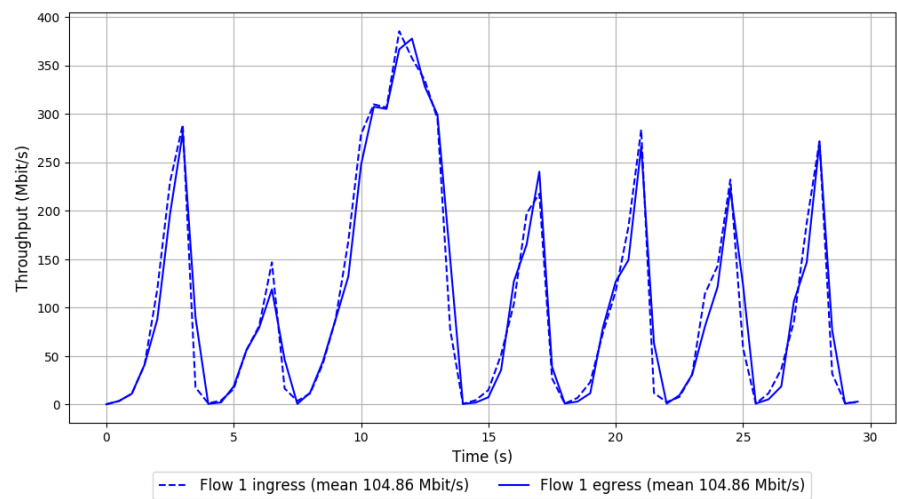
-- Flow 1:

Average throughput: 104.86 Mbit/s

95th percentile per-packet one-way delay: 107.361 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-25 19:58:37

End at: 2018-01-25 19:59:07

Below is generated by plot.py at 2018-01-25 21:33:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.96 Mbit/s

95th percentile per-packet one-way delay: 324.673 ms

Loss rate: 9.13%

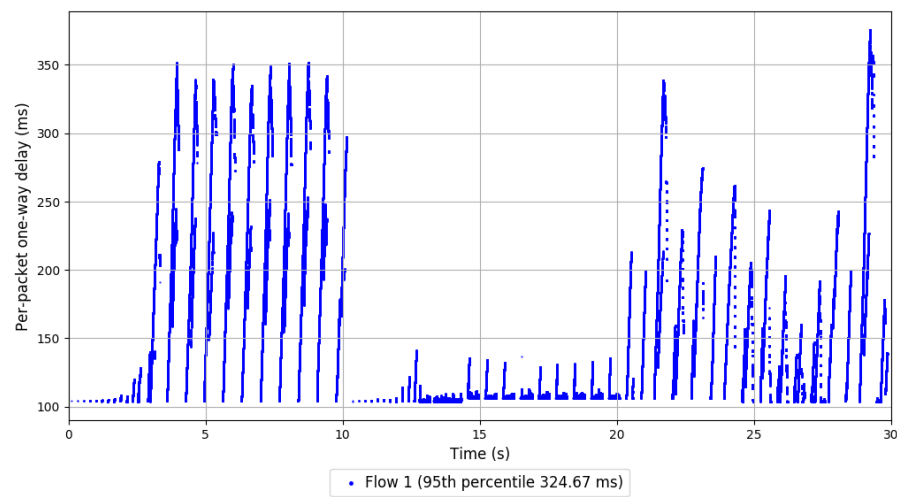
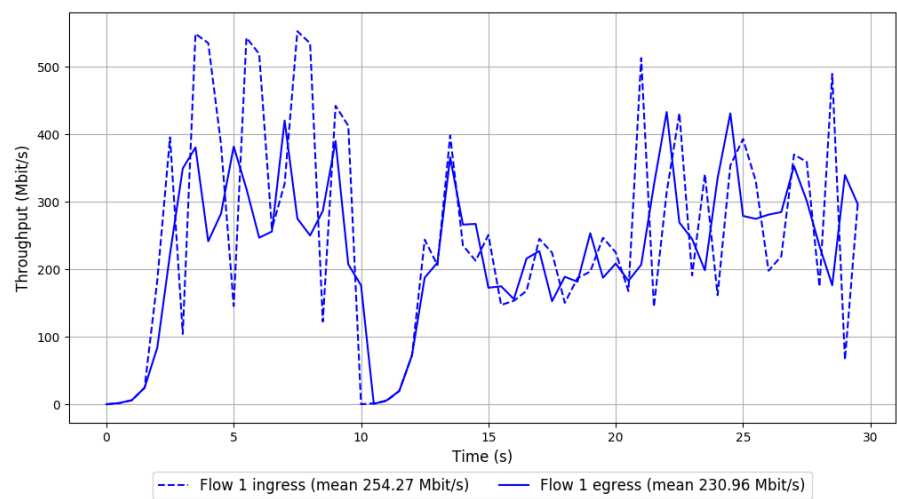
-- Flow 1:

Average throughput: 230.96 Mbit/s

95th percentile per-packet one-way delay: 324.673 ms

Loss rate: 9.13%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-25 20:11:30

End at: 2018-01-25 20:12:00

Below is generated by plot.py at 2018-01-25 21:33:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.35 Mbit/s

95th percentile per-packet one-way delay: 219.706 ms

Loss rate: 0.04%

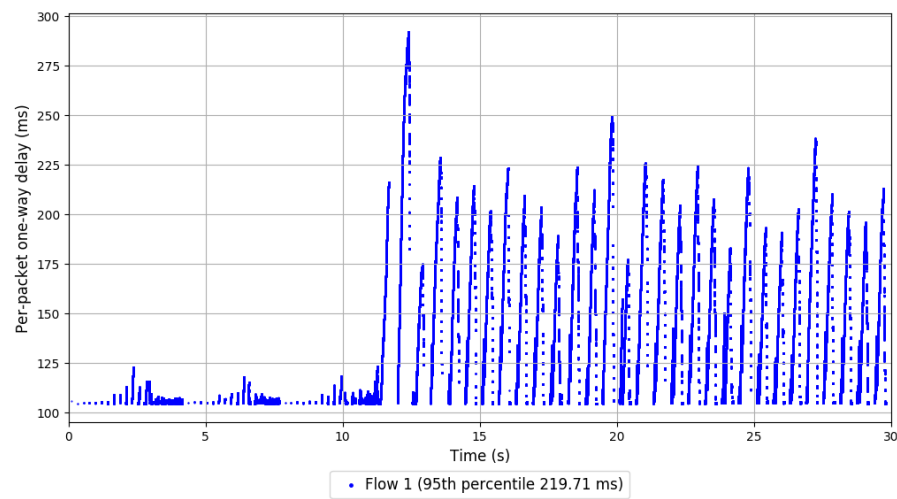
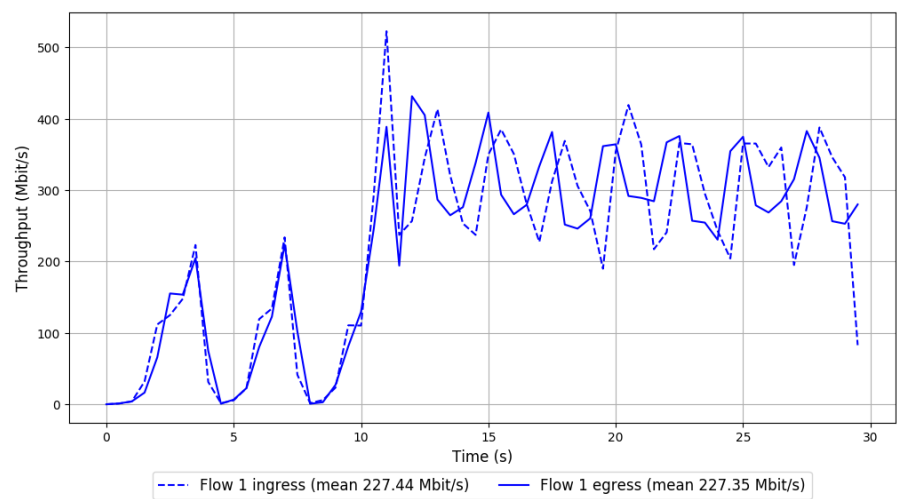
-- Flow 1:

Average throughput: 227.35 Mbit/s

95th percentile per-packet one-way delay: 219.706 ms

Loss rate: 0.04%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-25 20:24:05

End at: 2018-01-25 20:24:35

Below is generated by plot.py at 2018-01-25 21:33:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 123.093 ms

Loss rate: 0.03%

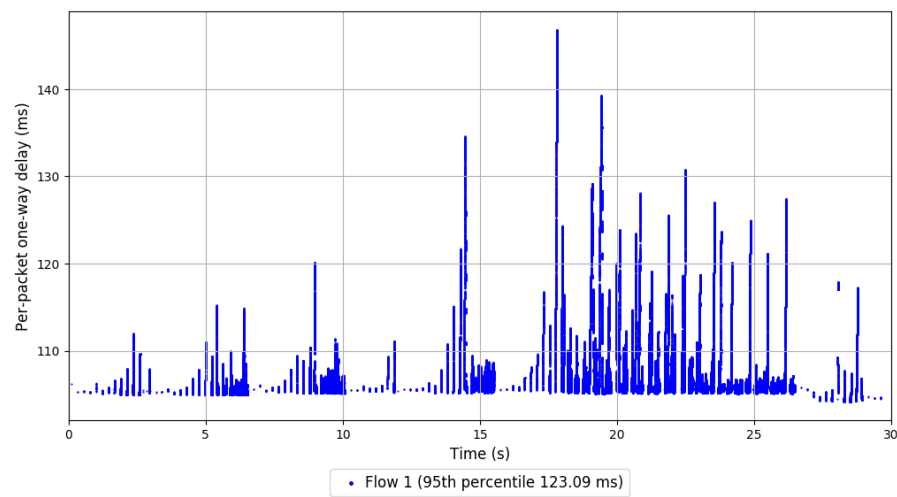
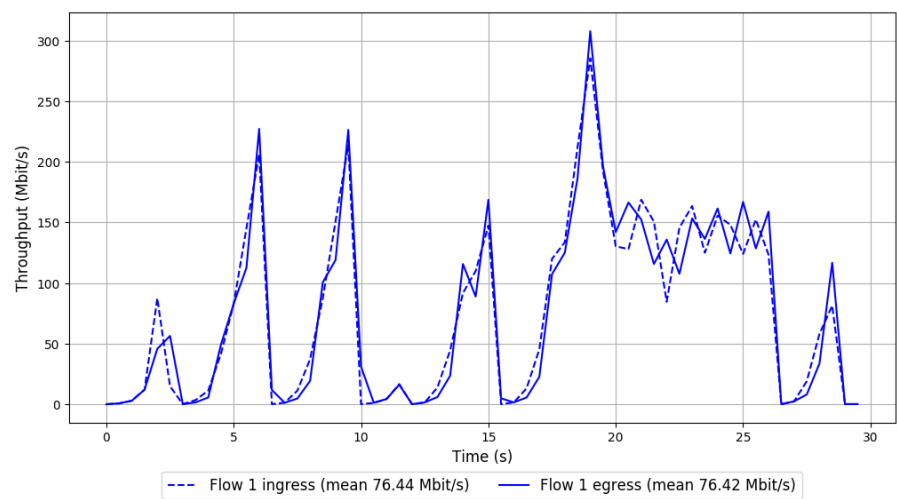
-- Flow 1:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 123.093 ms

Loss rate: 0.03%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-25 18:36:18

End at: 2018-01-25 18:36:48

Below is generated by plot.py at 2018-01-25 21:33:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.67 Mbit/s

95th percentile per-packet one-way delay: 92.180 ms

Loss rate: 0.00%

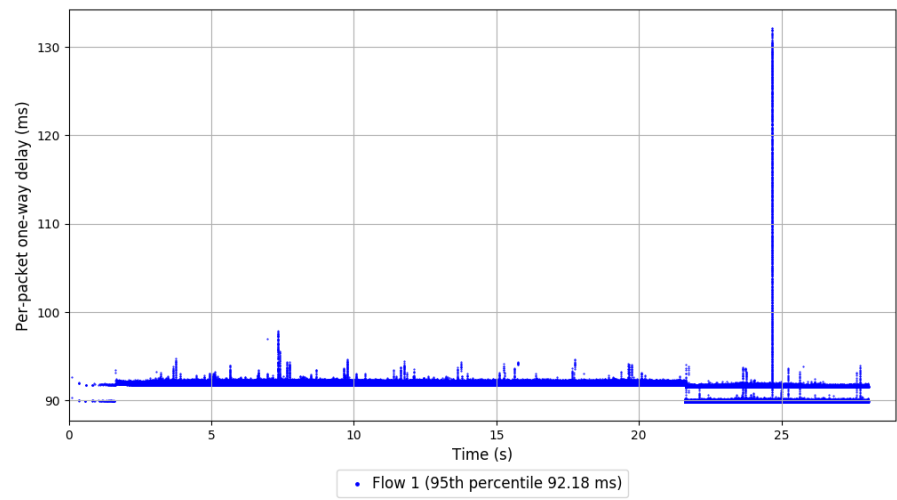
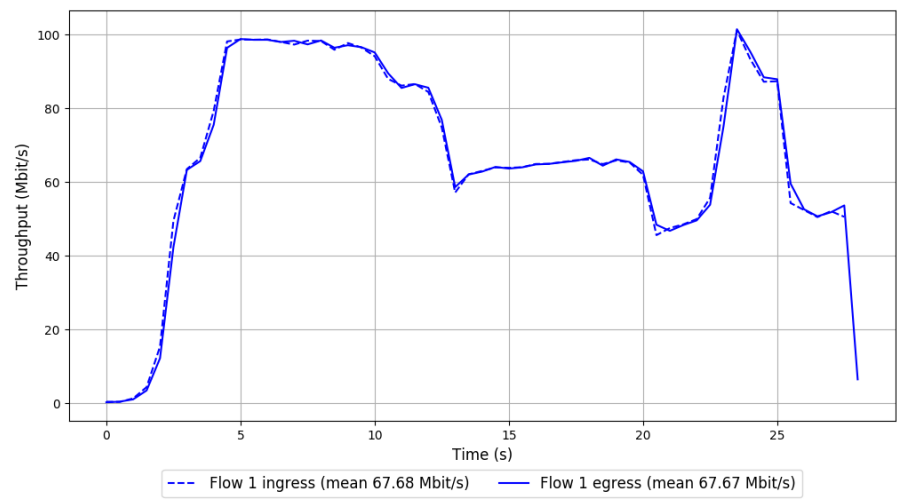
-- Flow 1:

Average throughput: 67.67 Mbit/s

95th percentile per-packet one-way delay: 92.180 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-25 18:49:03

End at: 2018-01-25 18:49:33

Below is generated by plot.py at 2018-01-25 21:33:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.84 Mbit/s

95th percentile per-packet one-way delay: 89.663 ms

Loss rate: 0.00%

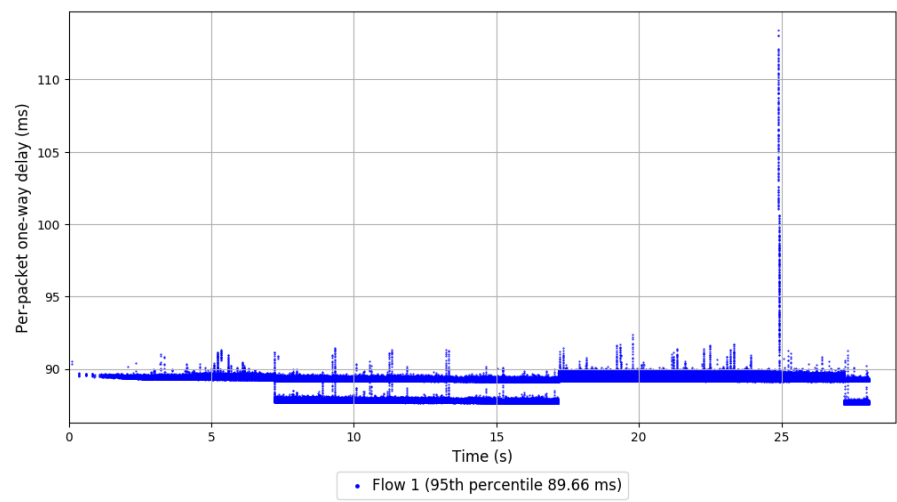
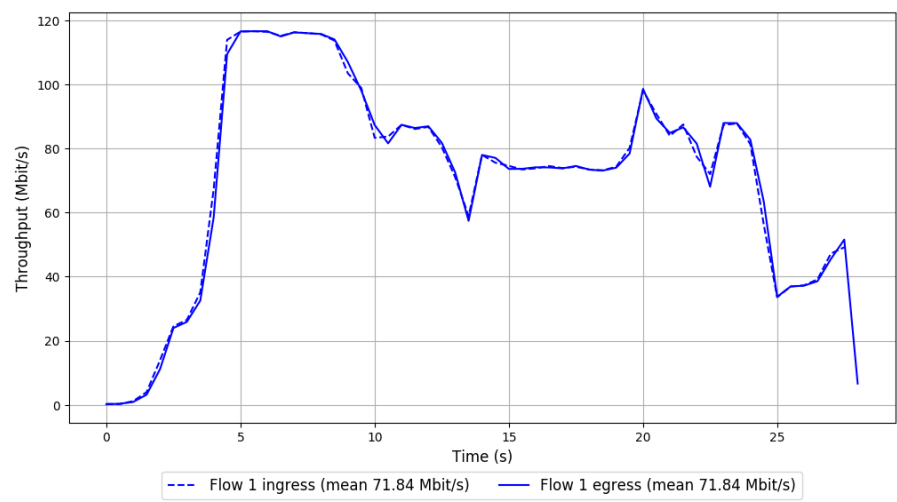
-- Flow 1:

Average throughput: 71.84 Mbit/s

95th percentile per-packet one-way delay: 89.663 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-25 19:01:45

End at: 2018-01-25 19:02:15

Below is generated by plot.py at 2018-01-25 21:33:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.43 Mbit/s

95th percentile per-packet one-way delay: 81.536 ms

Loss rate: 0.00%

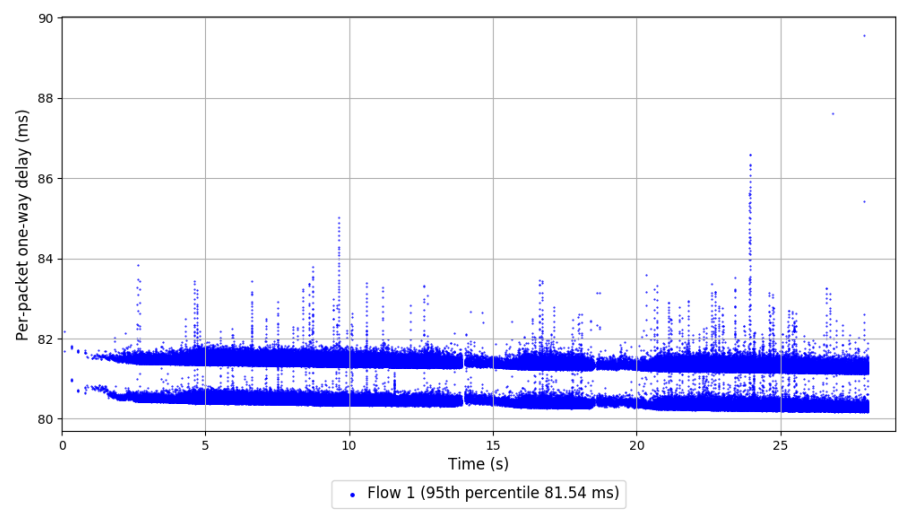
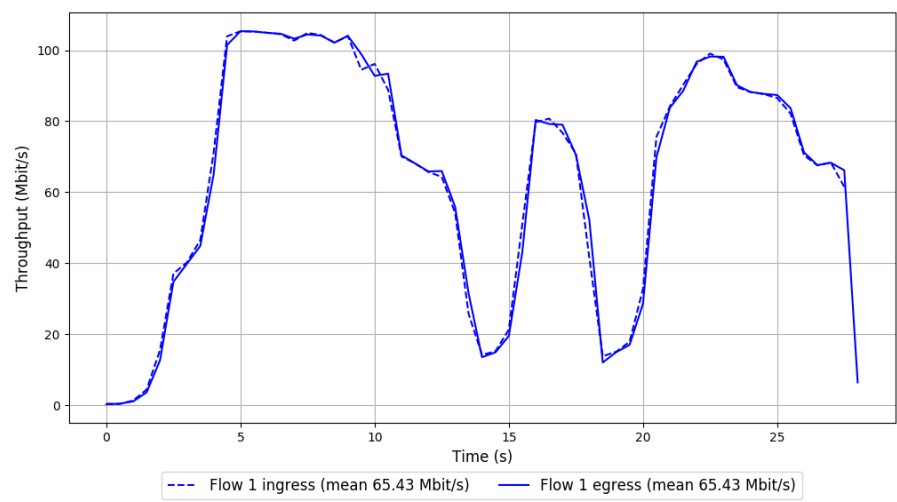
-- Flow 1:

Average throughput: 65.43 Mbit/s

95th percentile per-packet one-way delay: 81.536 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-25 19:14:40

End at: 2018-01-25 19:15:10

Below is generated by plot.py at 2018-01-25 21:33:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.30 Mbit/s

95th percentile per-packet one-way delay: 90.772 ms

Loss rate: 0.00%

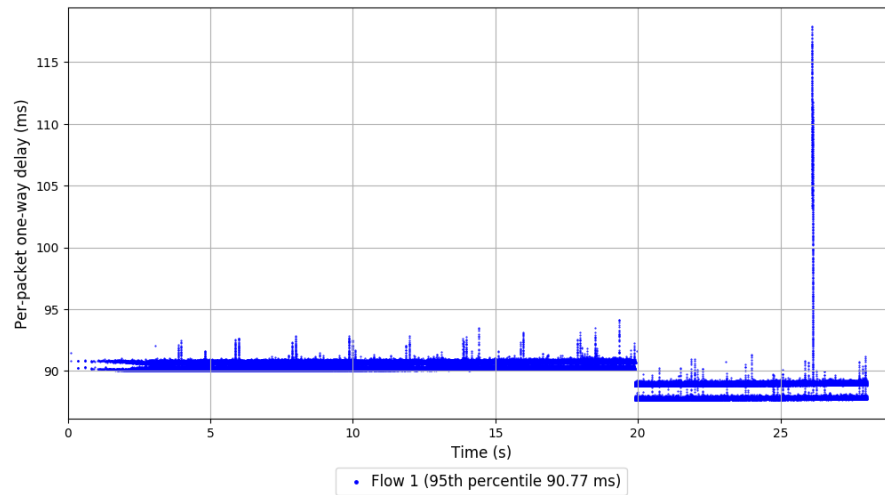
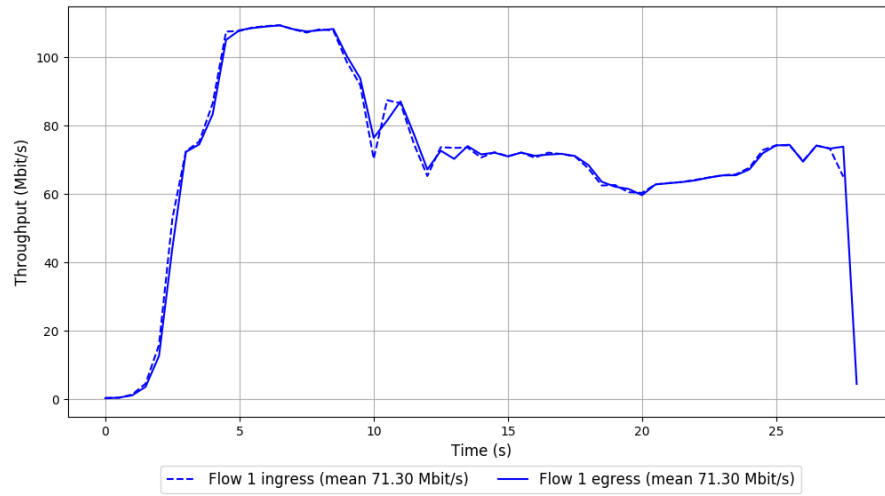
-- Flow 1:

Average throughput: 71.30 Mbit/s

95th percentile per-packet one-way delay: 90.772 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-25 19:27:23

End at: 2018-01-25 19:27:53

Below is generated by plot.py at 2018-01-25 21:33:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 92.445 ms

Loss rate: 0.01%

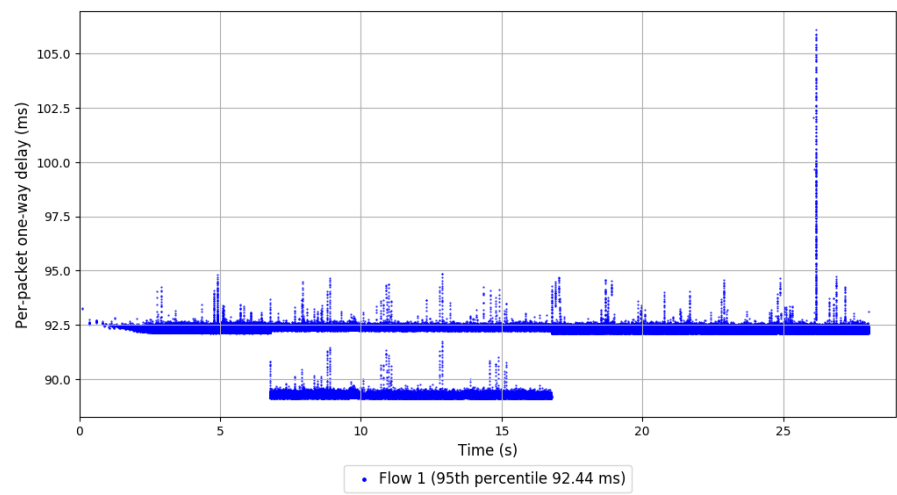
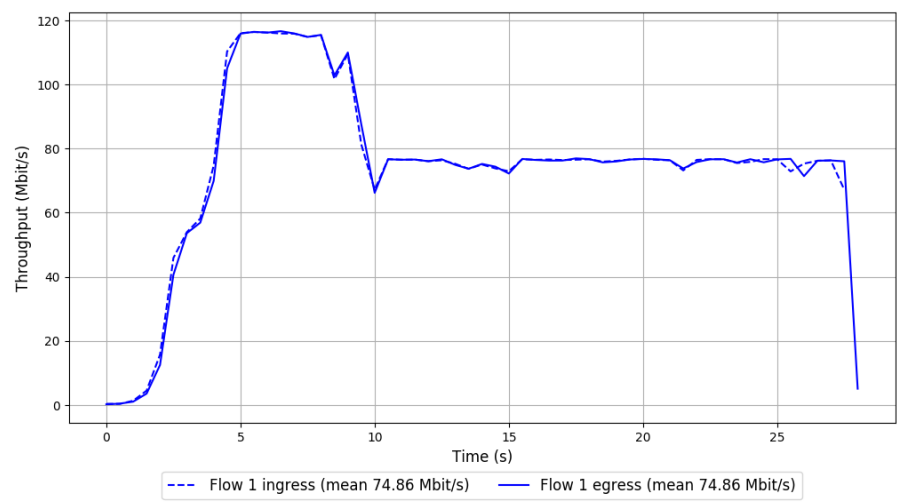
-- Flow 1:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 92.445 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-25 19:39:47

End at: 2018-01-25 19:40:17

Below is generated by plot.py at 2018-01-25 21:33:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 101.112 ms

Loss rate: 0.00%

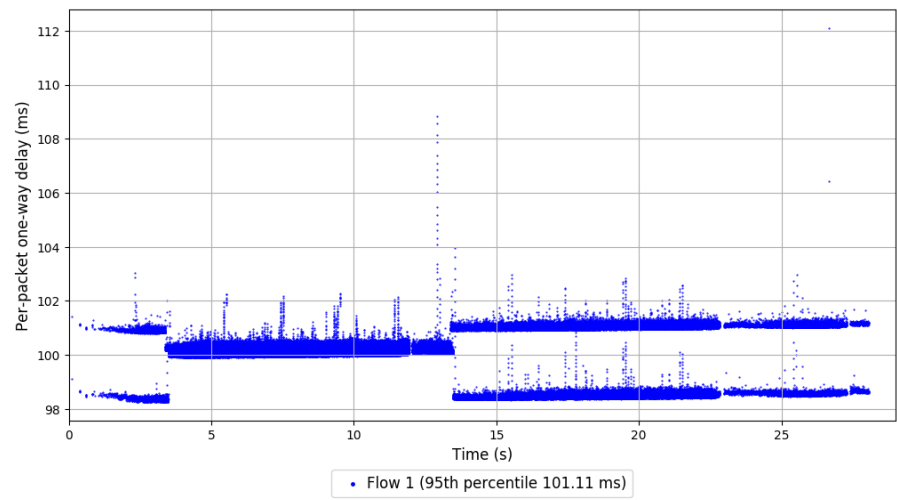
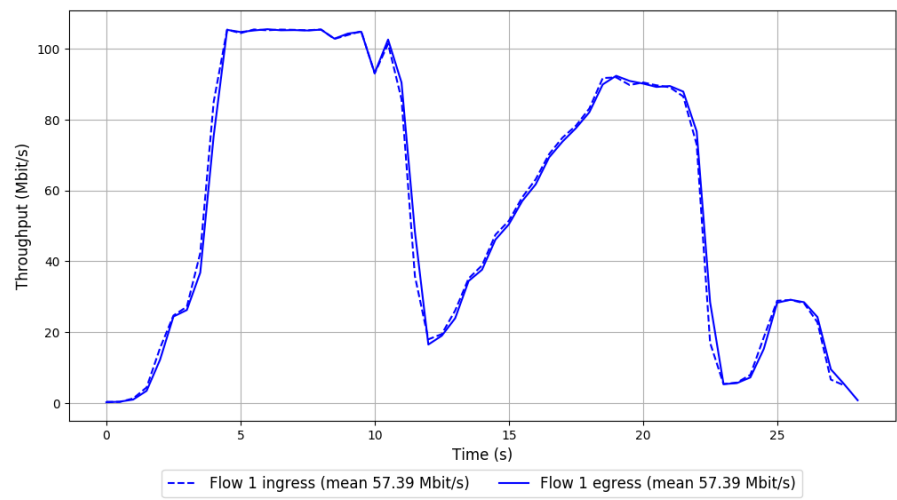
-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 101.112 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-25 19:52:25

End at: 2018-01-25 19:52:55

Below is generated by plot.py at 2018-01-25 21:34:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 104.383 ms

Loss rate: 0.00%

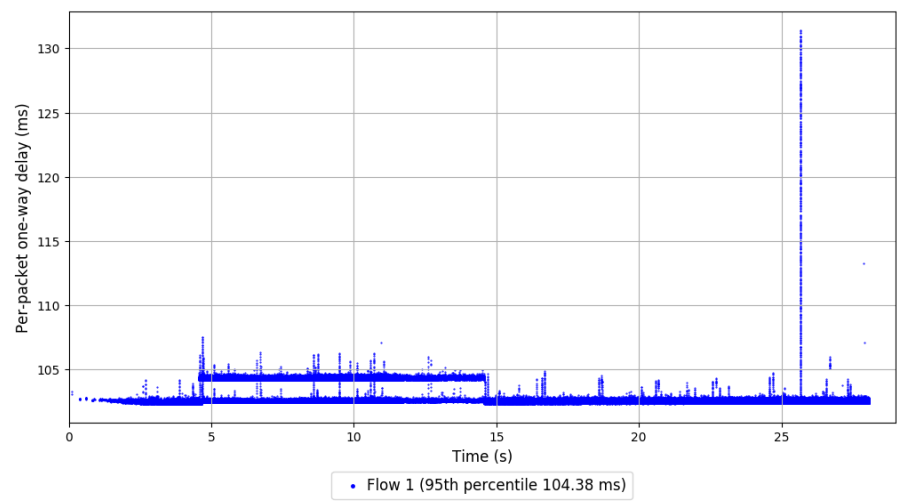
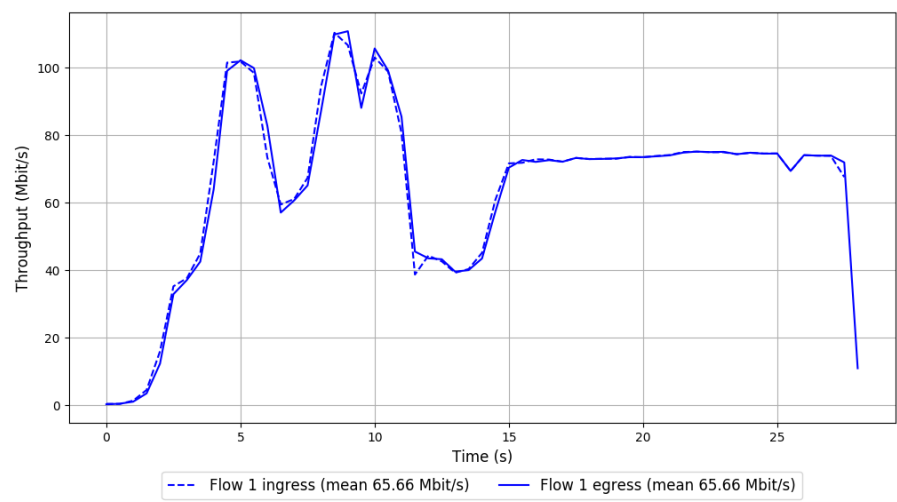
-- Flow 1:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 104.383 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-25 20:05:16

End at: 2018-01-25 20:05:46

Below is generated by plot.py at 2018-01-25 21:34:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.50 Mbit/s

95th percentile per-packet one-way delay: 105.446 ms

Loss rate: 0.01%

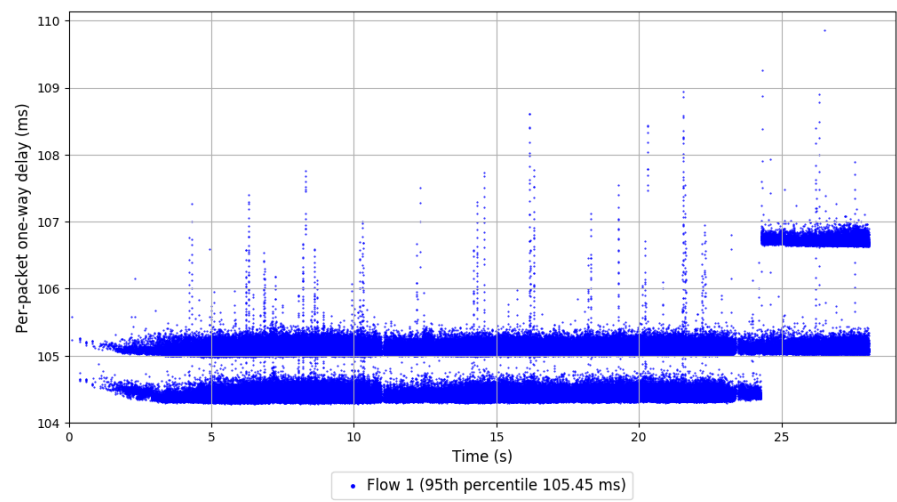
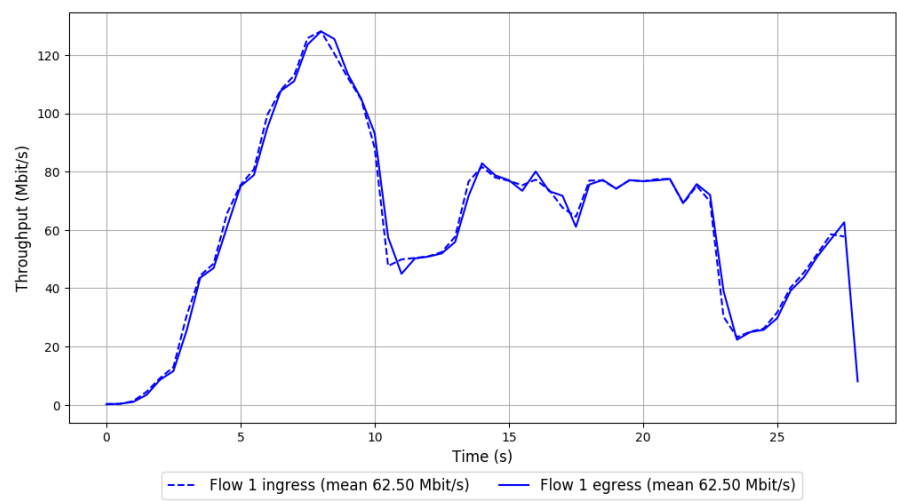
-- Flow 1:

Average throughput: 62.50 Mbit/s

95th percentile per-packet one-way delay: 105.446 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-25 20:17:53

End at: 2018-01-25 20:18:23

Below is generated by plot.py at 2018-01-25 21:34:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.51 Mbit/s

95th percentile per-packet one-way delay: 107.485 ms

Loss rate: 0.00%

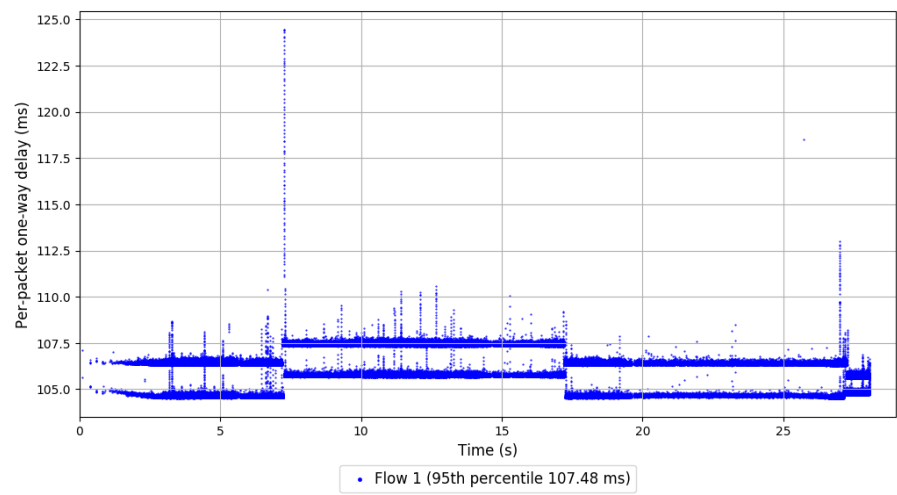
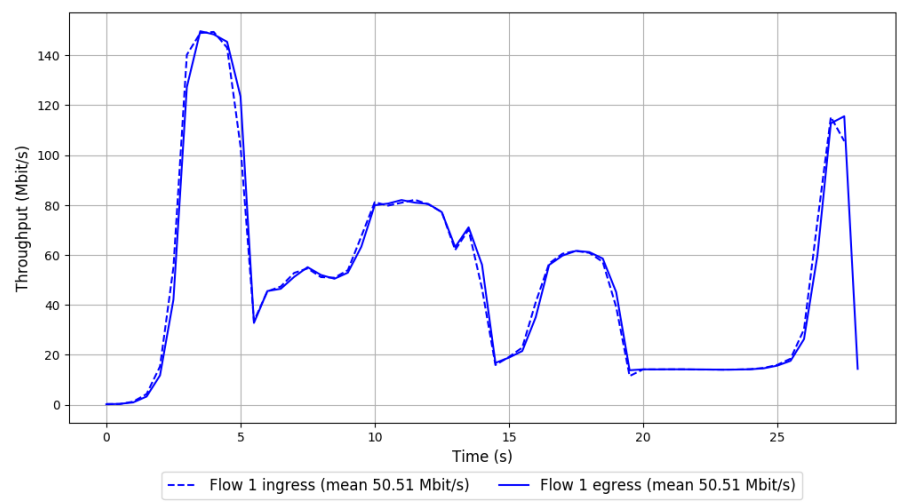
-- Flow 1:

Average throughput: 50.51 Mbit/s

95th percentile per-packet one-way delay: 107.485 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-25 20:30:29

End at: 2018-01-25 20:30:59

Below is generated by plot.py at 2018-01-25 21:34:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.47 Mbit/s

95th percentile per-packet one-way delay: 106.131 ms

Loss rate: 0.00%

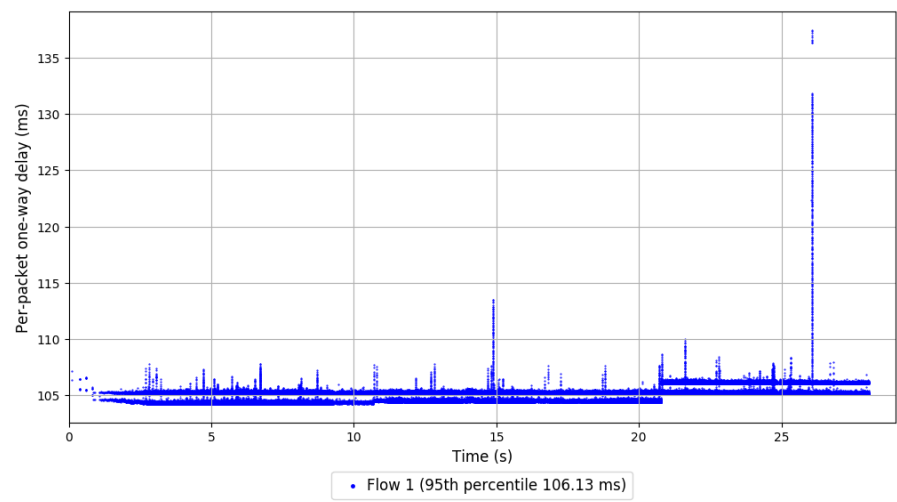
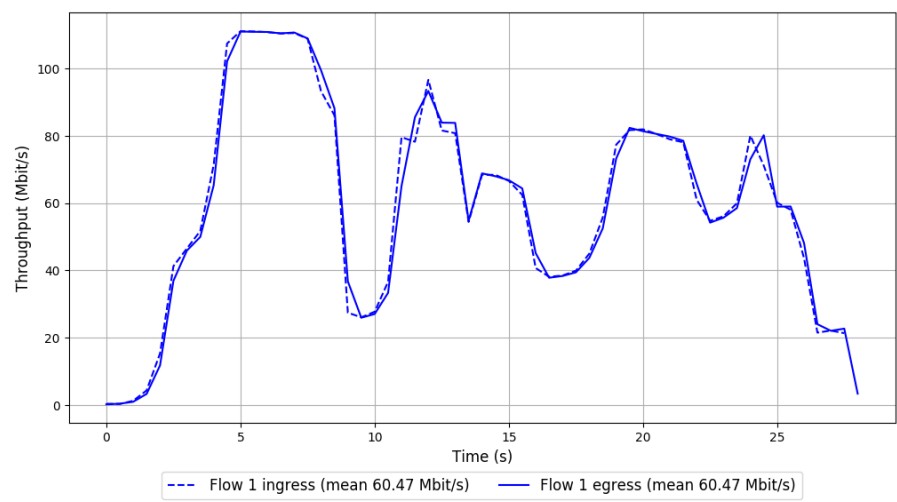
-- Flow 1:

Average throughput: 60.47 Mbit/s

95th percentile per-packet one-way delay: 106.131 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

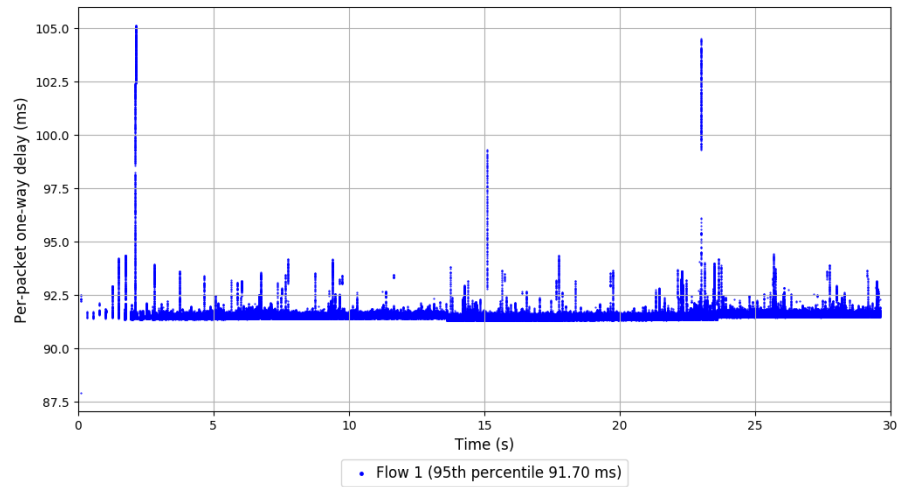
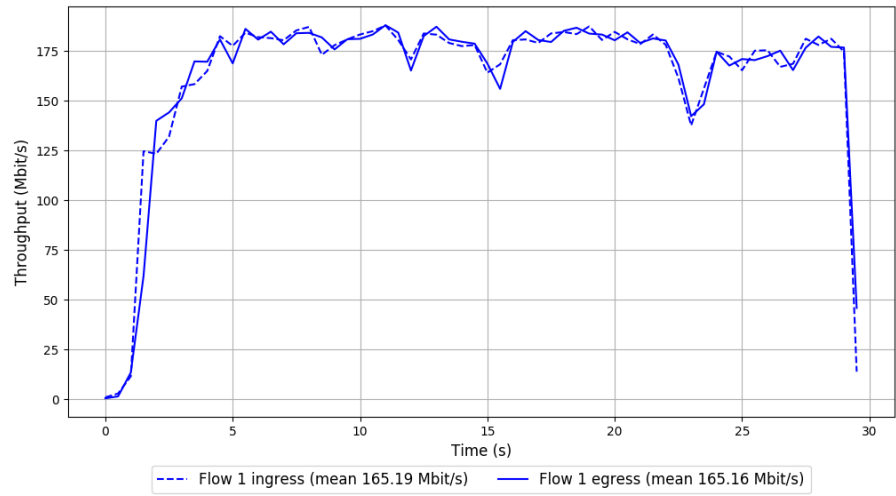


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-25 18:32:38
End at: 2018-01-25 18:33:08

# Below is generated by plot.py at 2018-01-25 21:36:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 165.16 Mbit/s
95th percentile per-packet one-way delay: 91.704 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 165.16 Mbit/s
95th percentile per-packet one-way delay: 91.704 ms
Loss rate: 0.01%
```


Run 1: Report of Indigo-2-256 — Data Link

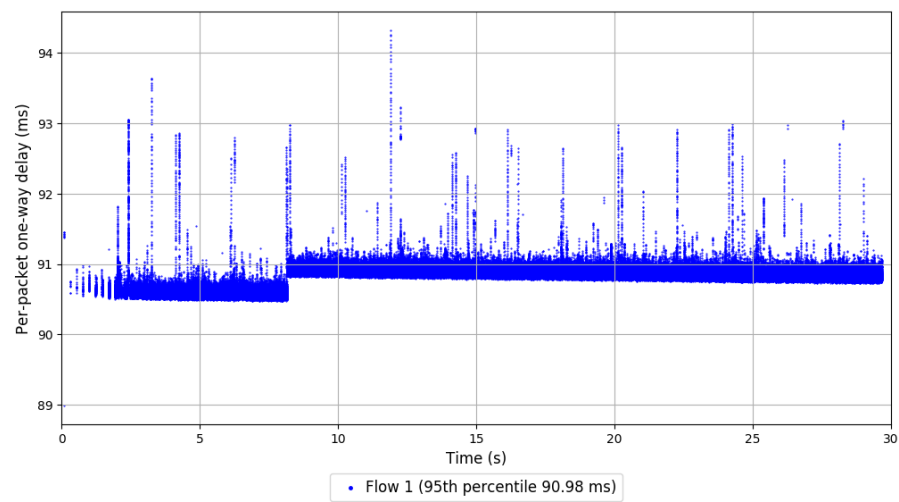
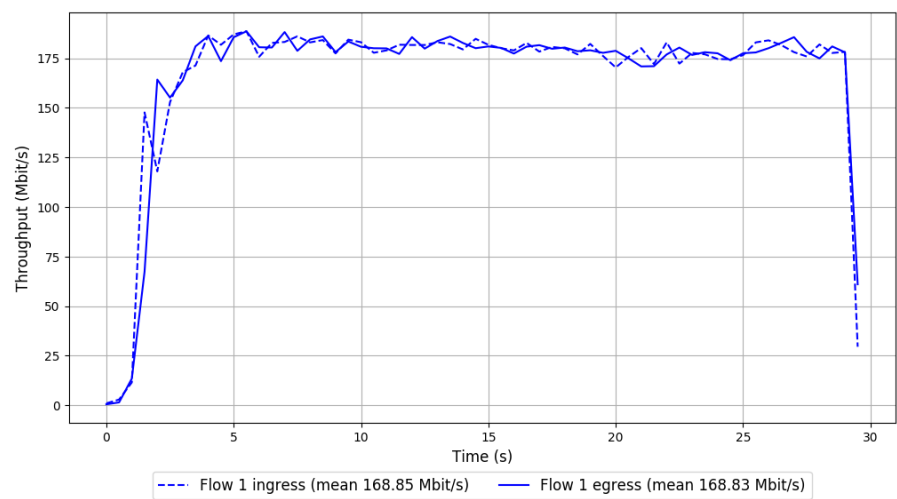


```
Run 2: Statistics of Indigo-2-256

Start at: 2018-01-25 18:45:23
End at: 2018-01-25 18:45:54

# Below is generated by plot.py at 2018-01-25 21:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.83 Mbit/s
95th percentile per-packet one-way delay: 90.983 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 168.83 Mbit/s
95th percentile per-packet one-way delay: 90.983 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-2-256 — Data Link



Run 3: Statistics of Indigo-2-256

Start at: 2018-01-25 18:58:07

End at: 2018-01-25 18:58:37

Below is generated by plot.py at 2018-01-25 21:36:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.00 Mbit/s

95th percentile per-packet one-way delay: 85.298 ms

Loss rate: 0.00%

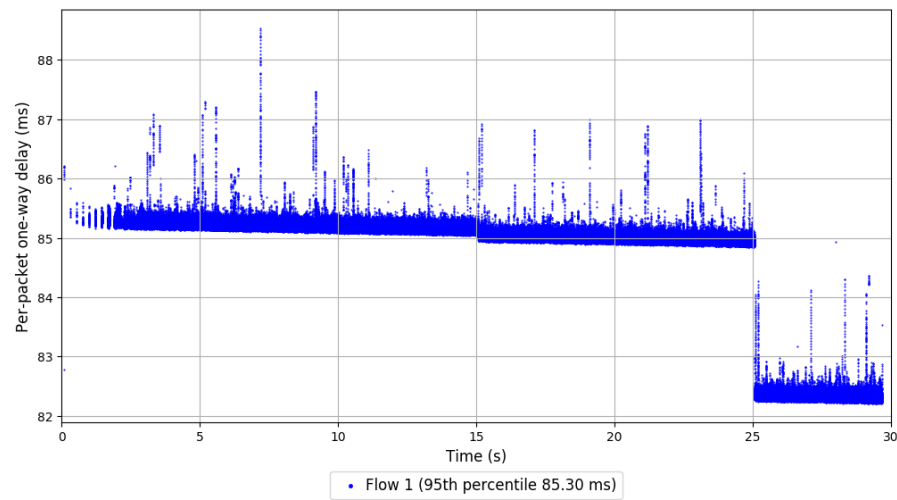
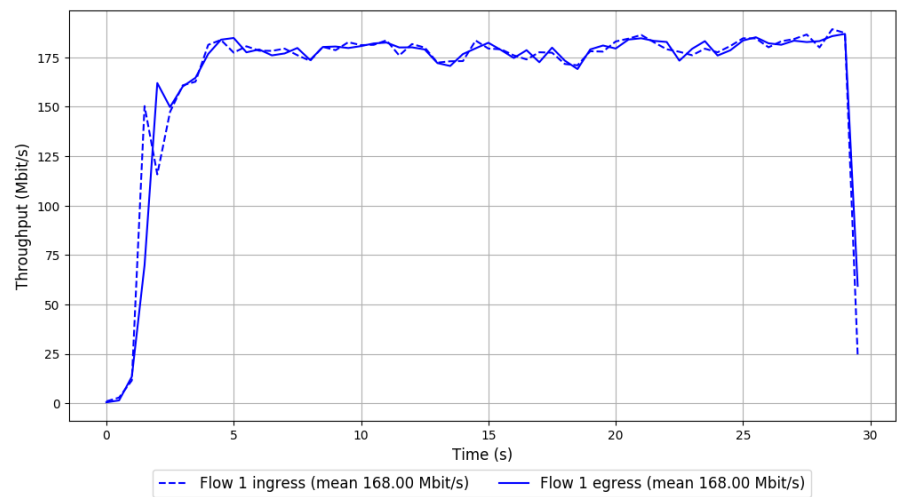
-- Flow 1:

Average throughput: 168.00 Mbit/s

95th percentile per-packet one-way delay: 85.298 ms

Loss rate: 0.00%

Run 3: Report of Indigo-2-256 — Data Link



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-25 19:10:51

End at: 2018-01-25 19:11:21

Below is generated by plot.py at 2018-01-25 21:36:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.10 Mbit/s

95th percentile per-packet one-way delay: 88.919 ms

Loss rate: 0.04%

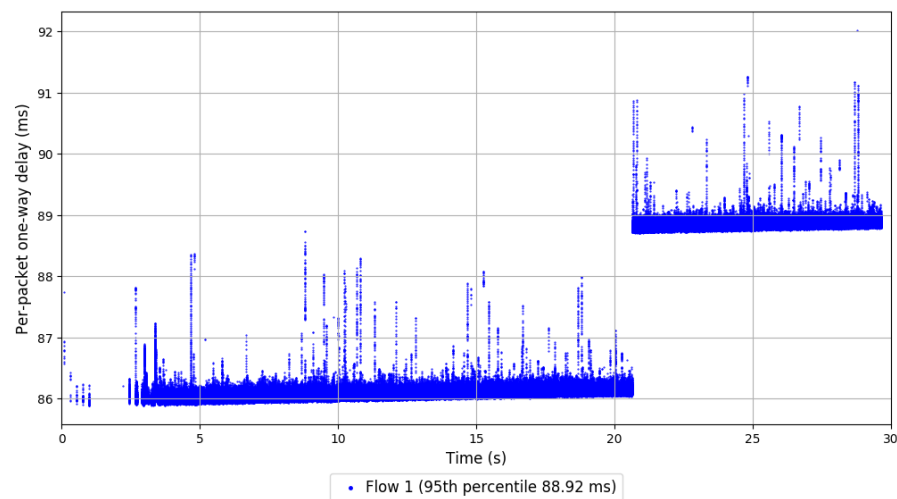
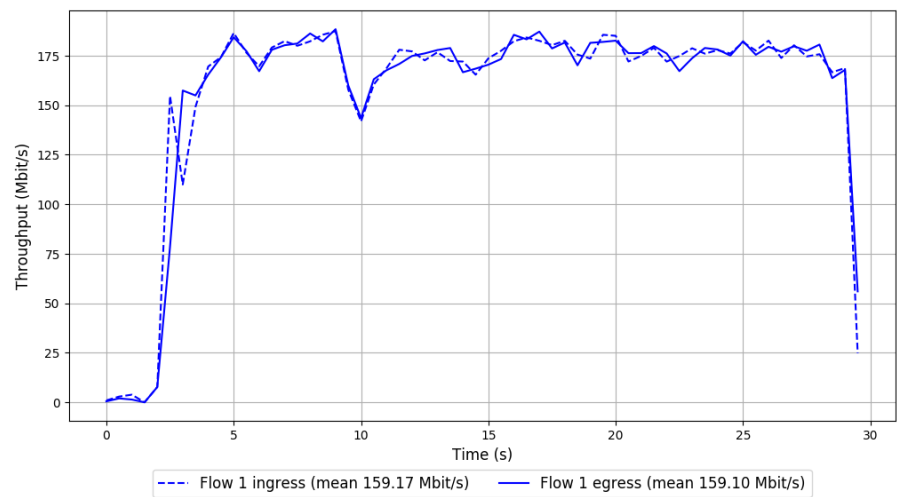
-- Flow 1:

Average throughput: 159.10 Mbit/s

95th percentile per-packet one-way delay: 88.919 ms

Loss rate: 0.04%

Run 4: Report of Indigo-2-256 — Data Link



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-25 19:23:45

End at: 2018-01-25 19:24:15

Below is generated by plot.py at 2018-01-25 21:36:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.47 Mbit/s

95th percentile per-packet one-way delay: 92.276 ms

Loss rate: 0.00%

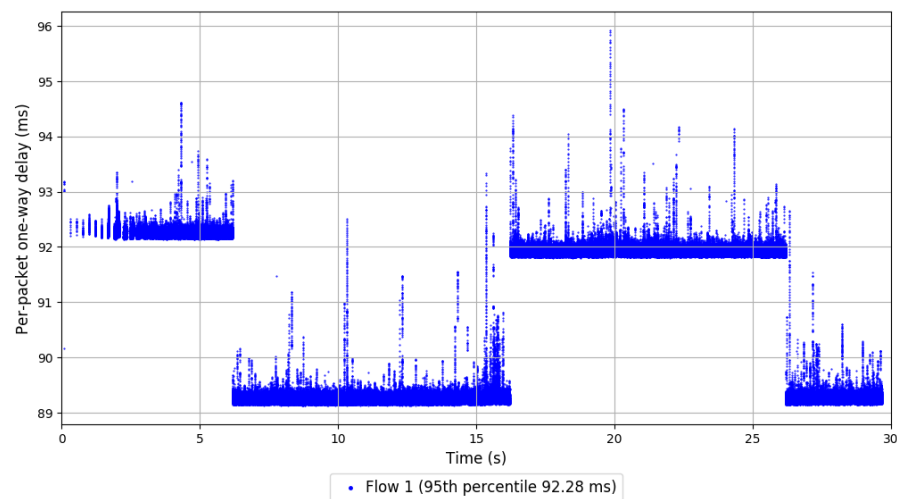
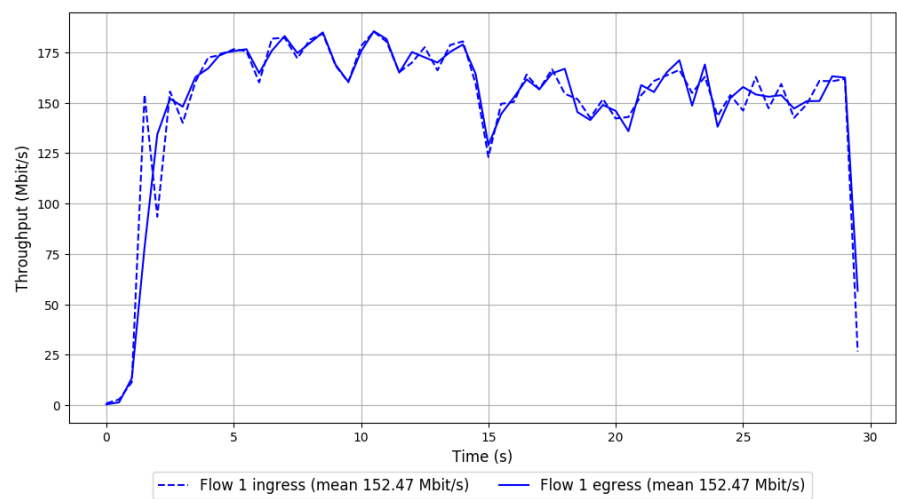
-- Flow 1:

Average throughput: 152.47 Mbit/s

95th percentile per-packet one-way delay: 92.276 ms

Loss rate: 0.00%

Run 5: Report of Indigo-2-256 — Data Link



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-25 19:36:08

End at: 2018-01-25 19:36:38

Below is generated by plot.py at 2018-01-25 21:37:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.92 Mbit/s

95th percentile per-packet one-way delay: 97.914 ms

Loss rate: 0.00%

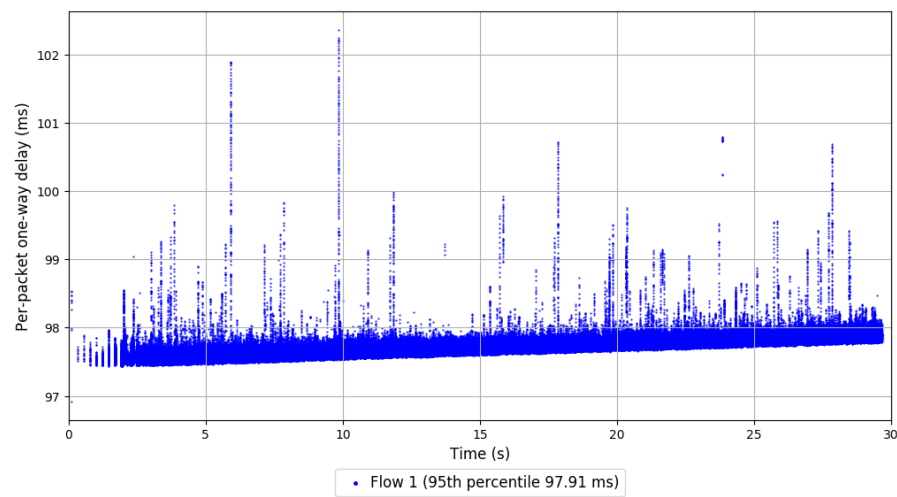
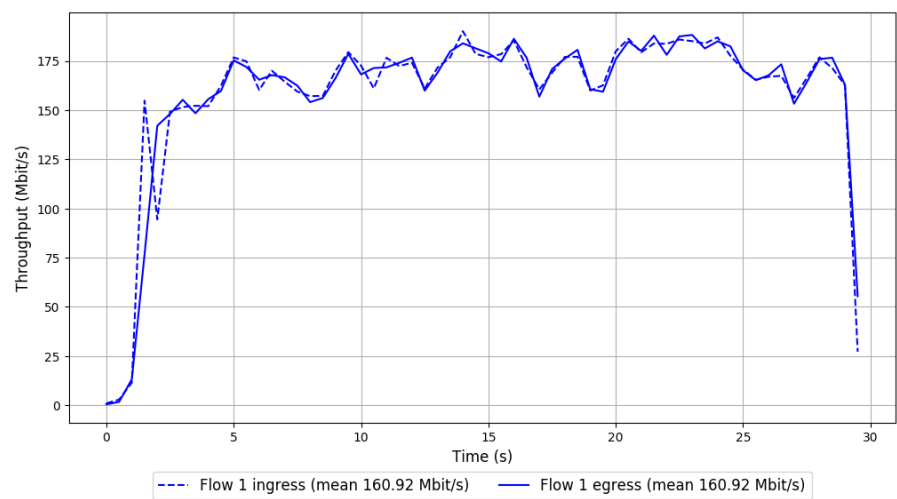
-- Flow 1:

Average throughput: 160.92 Mbit/s

95th percentile per-packet one-way delay: 97.914 ms

Loss rate: 0.00%

Run 6: Report of Indigo-2-256 — Data Link



Run 7: Statistics of Indigo-2-256

Start at: 2018-01-25 19:48:48

End at: 2018-01-25 19:49:18

Below is generated by plot.py at 2018-01-25 21:37:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.50 Mbit/s

95th percentile per-packet one-way delay: 104.204 ms

Loss rate: 0.01%

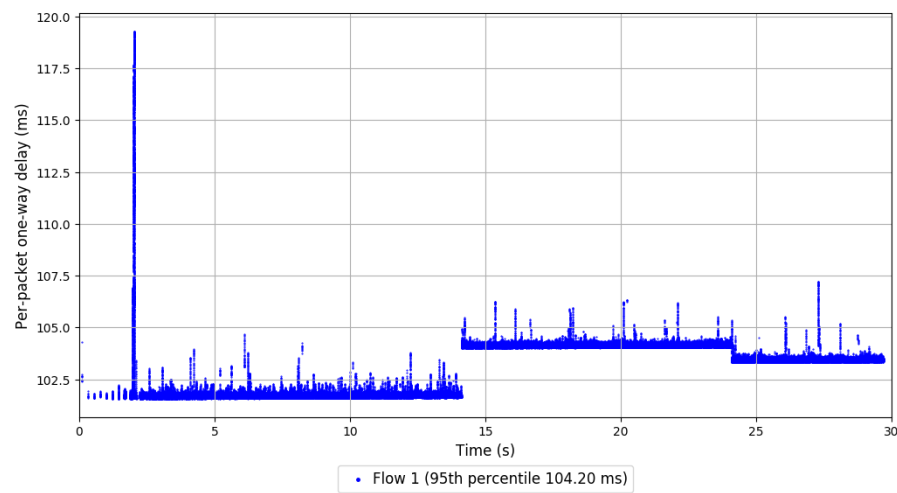
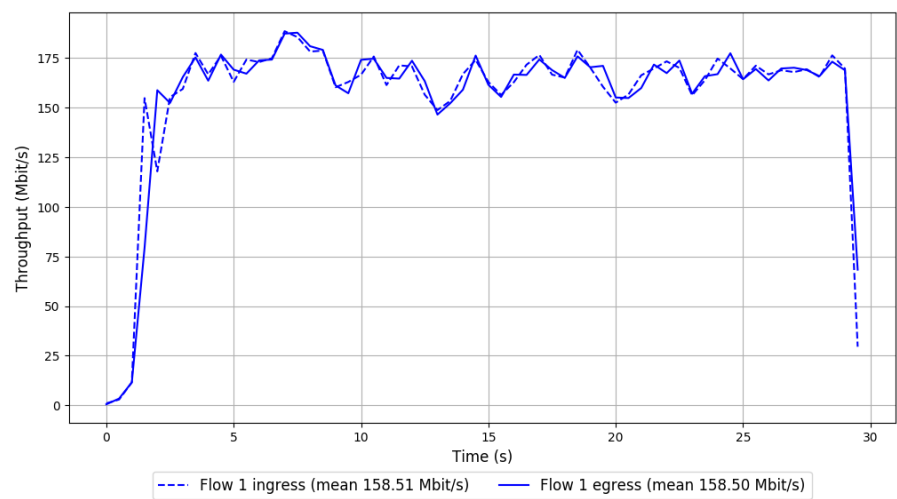
-- Flow 1:

Average throughput: 158.50 Mbit/s

95th percentile per-packet one-way delay: 104.204 ms

Loss rate: 0.01%

Run 7: Report of Indigo-2-256 — Data Link



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-25 20:01:37

End at: 2018-01-25 20:02:07

Below is generated by plot.py at 2018-01-25 21:38:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.58 Mbit/s

95th percentile per-packet one-way delay: 104.189 ms

Loss rate: 0.00%

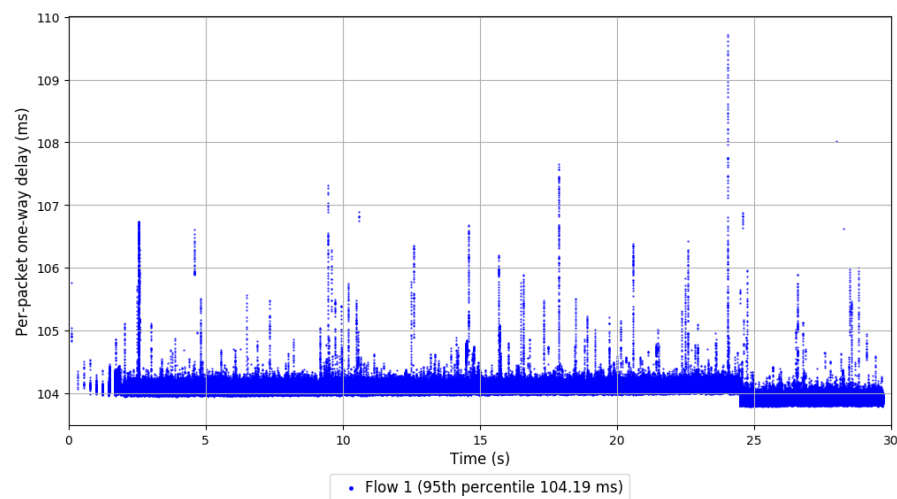
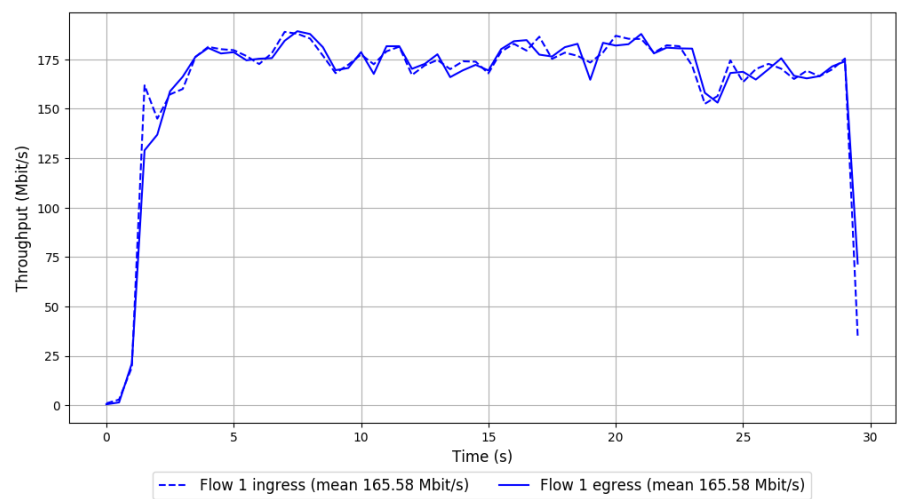
-- Flow 1:

Average throughput: 165.58 Mbit/s

95th percentile per-packet one-way delay: 104.189 ms

Loss rate: 0.00%

Run 8: Report of Indigo-2-256 — Data Link



Run 9: Statistics of Indigo-2-256

Start at: 2018-01-25 20:14:05

End at: 2018-01-25 20:14:35

Below is generated by plot.py at 2018-01-25 21:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.37 Mbit/s

95th percentile per-packet one-way delay: 107.186 ms

Loss rate: 0.09%

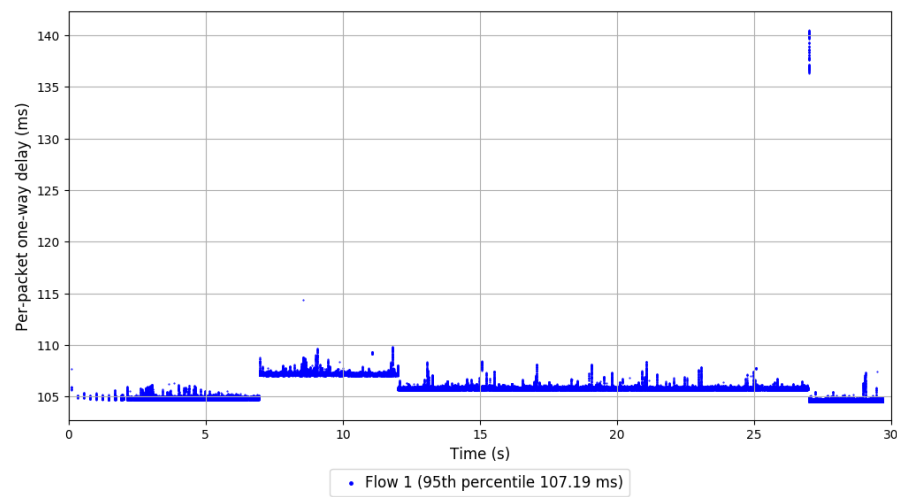
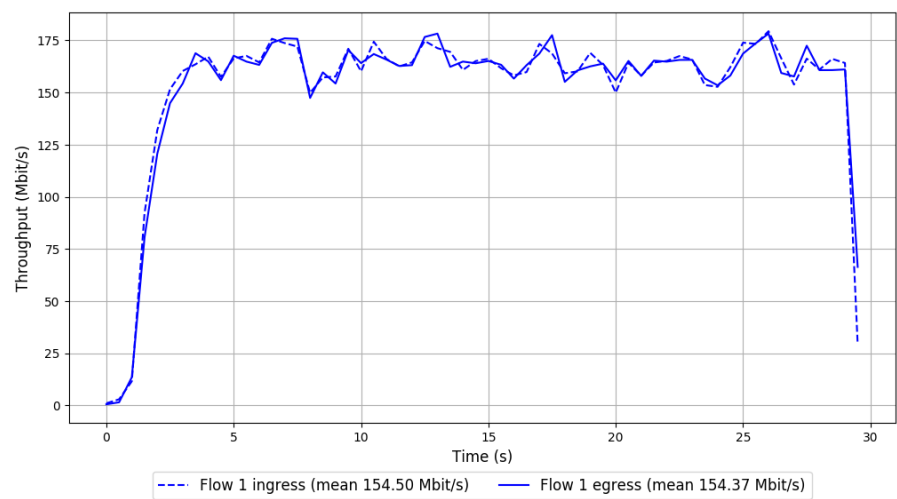
-- Flow 1:

Average throughput: 154.37 Mbit/s

95th percentile per-packet one-way delay: 107.186 ms

Loss rate: 0.09%

Run 9: Report of Indigo-2-256 — Data Link



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-25 20:26:51

End at: 2018-01-25 20:27:21

Below is generated by plot.py at 2018-01-25 21:39:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.65 Mbit/s

95th percentile per-packet one-way delay: 106.858 ms

Loss rate: 0.00%

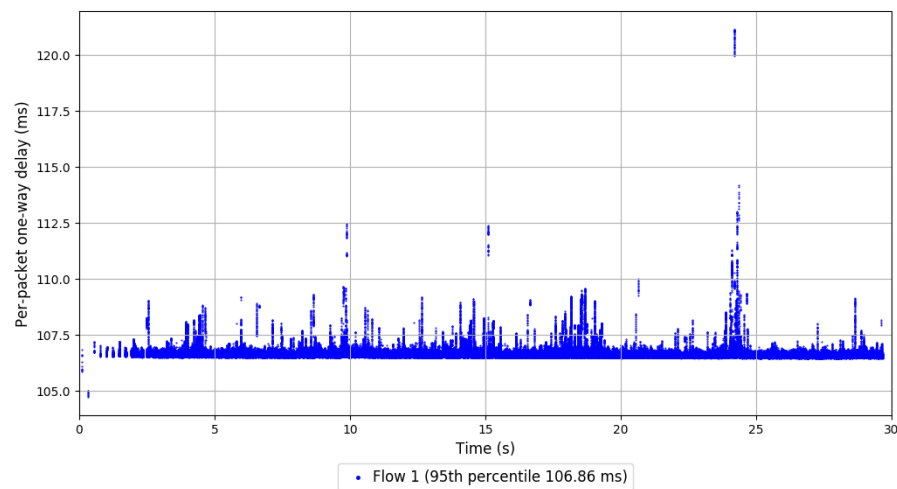
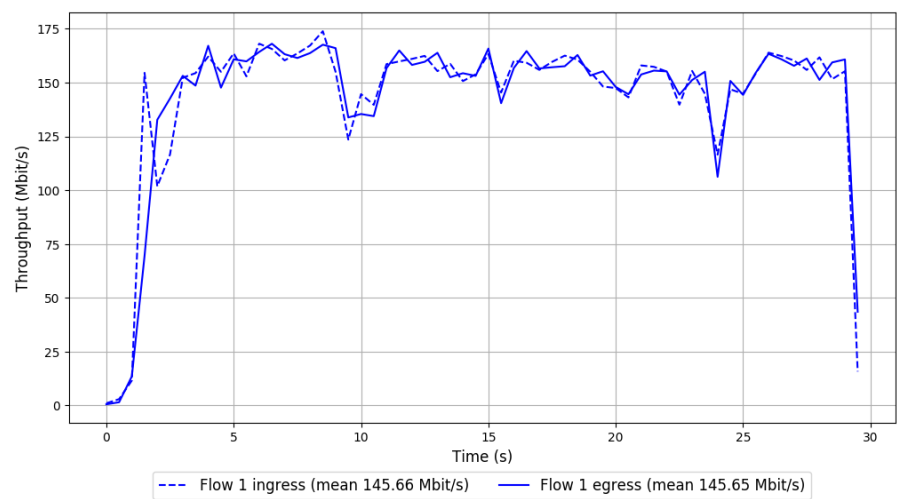
-- Flow 1:

Average throughput: 145.65 Mbit/s

95th percentile per-packet one-way delay: 106.858 ms

Loss rate: 0.00%

Run 10: Report of Indigo-2-256 — Data Link

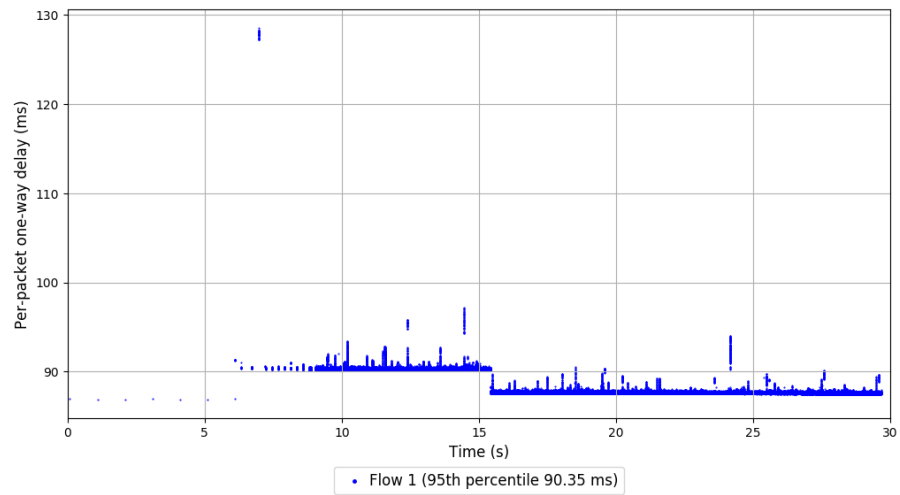
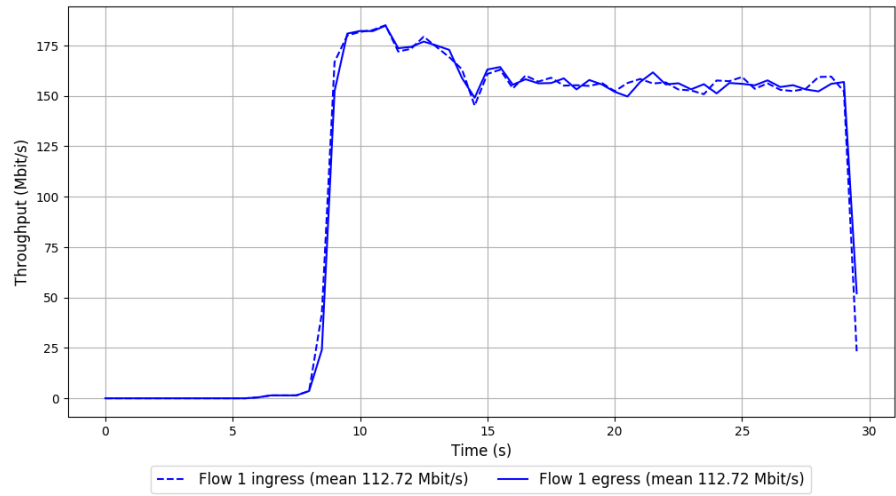


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-25 18:24:46
End at: 2018-01-25 18:25:16

# Below is generated by plot.py at 2018-01-25 21:39:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.72 Mbit/s
95th percentile per-packet one-way delay: 90.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.72 Mbit/s
95th percentile per-packet one-way delay: 90.346 ms
Loss rate: 0.00%
```

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

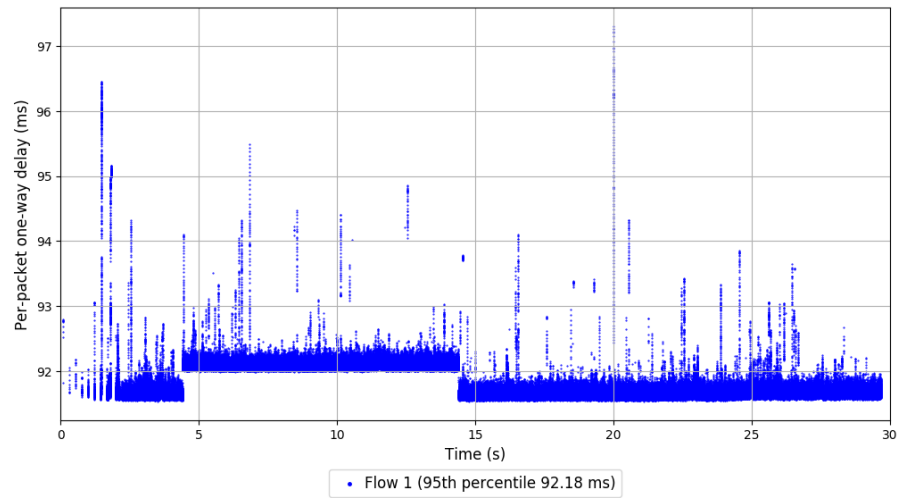
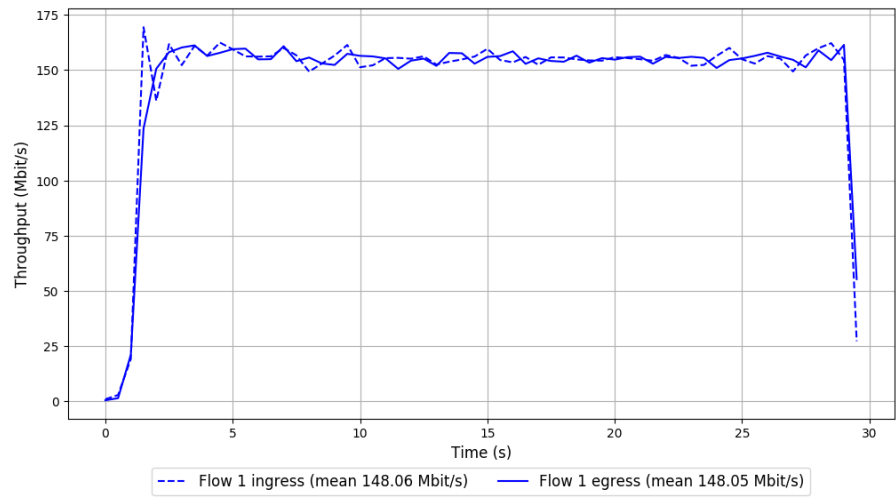


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-25 18:37:07
End at: 2018-01-25 18:37:37

# Below is generated by plot.py at 2018-01-25 21:39:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.05 Mbit/s
95th percentile per-packet one-way delay: 92.176 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 148.05 Mbit/s
95th percentile per-packet one-way delay: 92.176 ms
Loss rate: 0.01%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-25 18:49:52

End at: 2018-01-25 18:50:22

Below is generated by plot.py at 2018-01-25 21:39:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.56 Mbit/s

95th percentile per-packet one-way delay: 89.439 ms

Loss rate: 0.00%

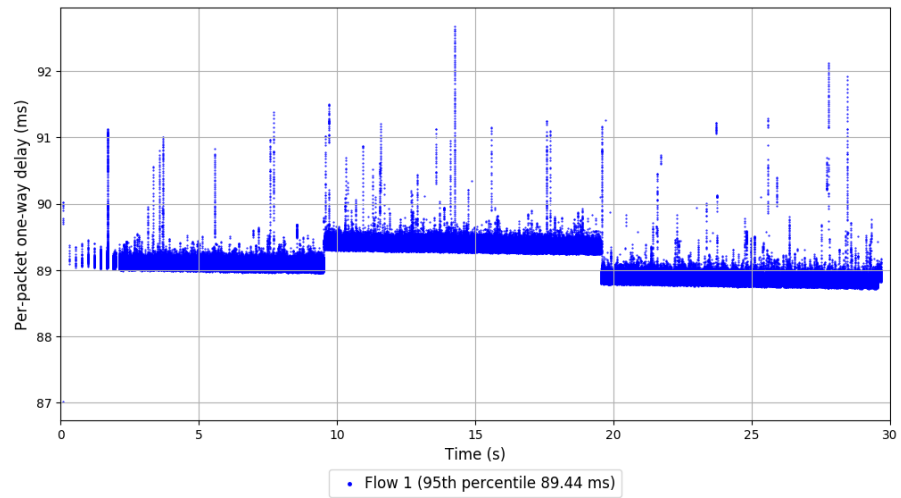
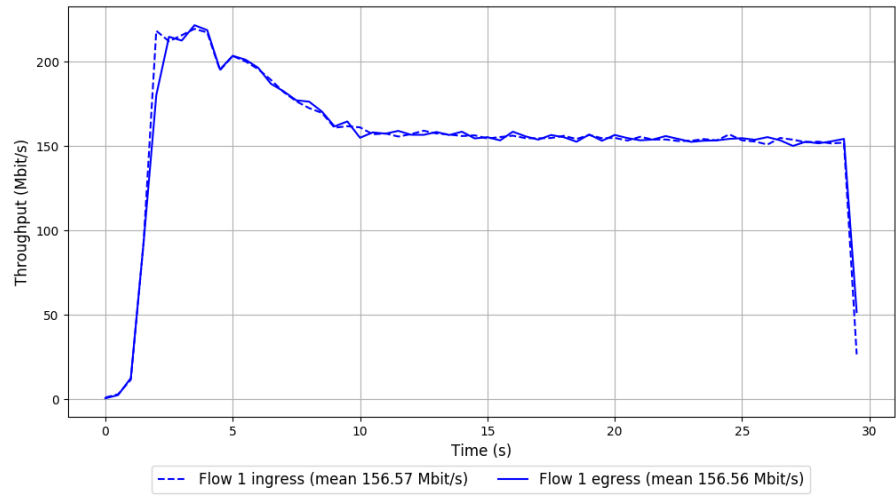
-- Flow 1:

Average throughput: 156.56 Mbit/s

95th percentile per-packet one-way delay: 89.439 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-25 19:02:38

End at: 2018-01-25 19:03:08

Below is generated by plot.py at 2018-01-25 21:39:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.47 Mbit/s

95th percentile per-packet one-way delay: 82.688 ms

Loss rate: 0.00%

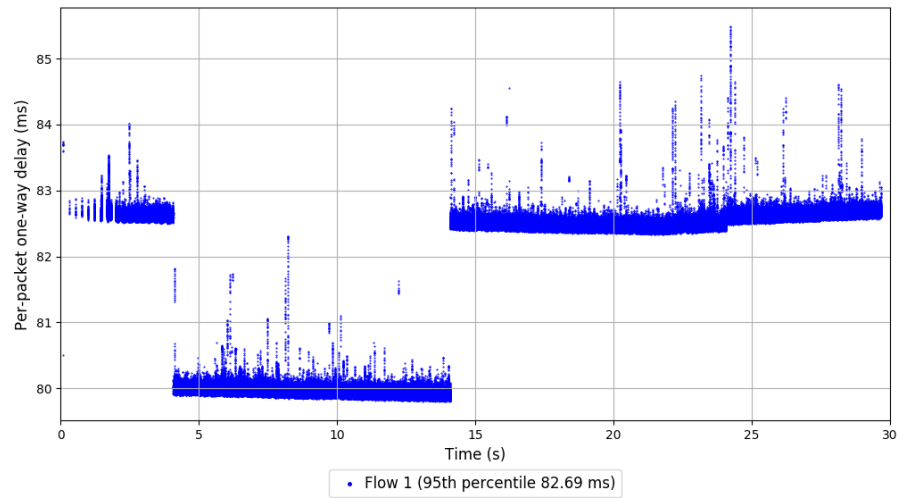
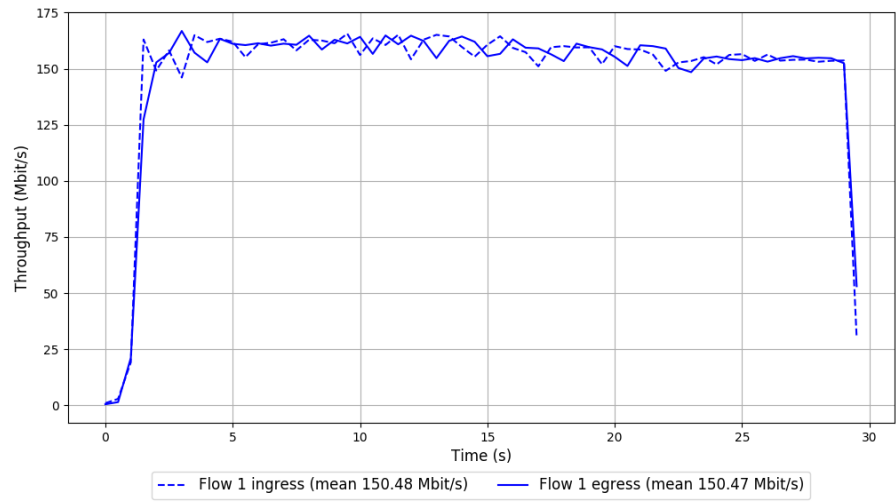
-- Flow 1:

Average throughput: 150.47 Mbit/s

95th percentile per-packet one-way delay: 82.688 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-25 19:15:30

End at: 2018-01-25 19:16:00

Below is generated by plot.py at 2018-01-25 21:39:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.57 Mbit/s

95th percentile per-packet one-way delay: 91.058 ms

Loss rate: 0.29%

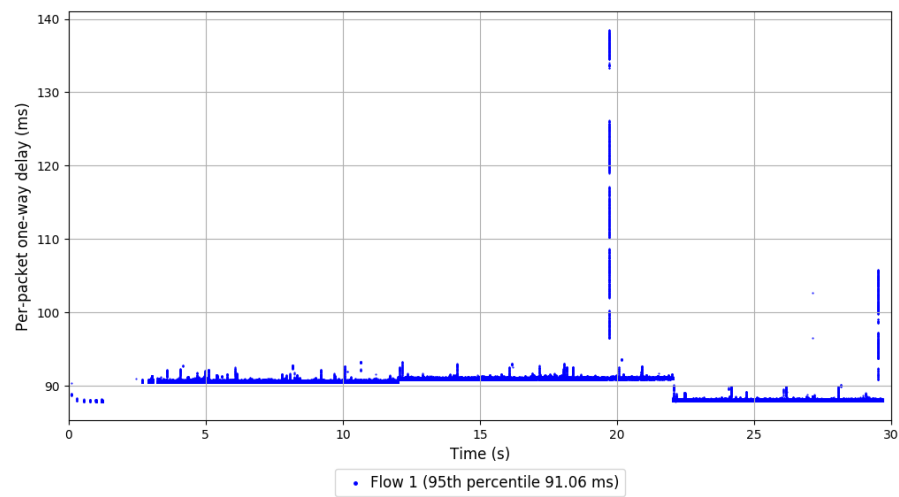
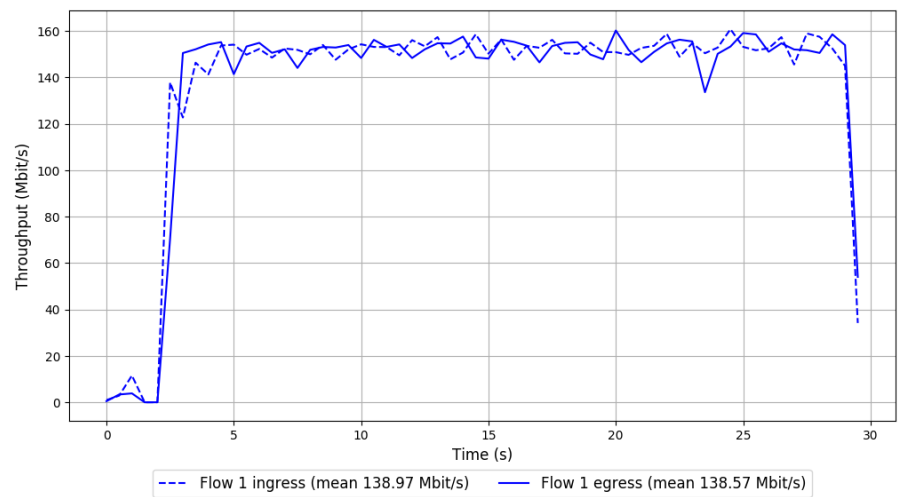
-- Flow 1:

Average throughput: 138.57 Mbit/s

95th percentile per-packet one-way delay: 91.058 ms

Loss rate: 0.29%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-25 19:28:13

End at: 2018-01-25 19:28:43

Below is generated by plot.py at 2018-01-25 21:41:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.26 Mbit/s

95th percentile per-packet one-way delay: 89.274 ms

Loss rate: 0.00%

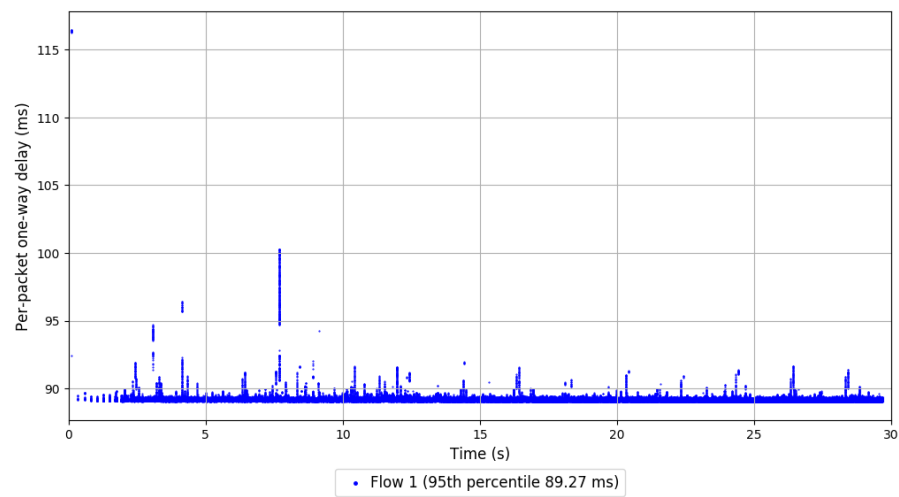
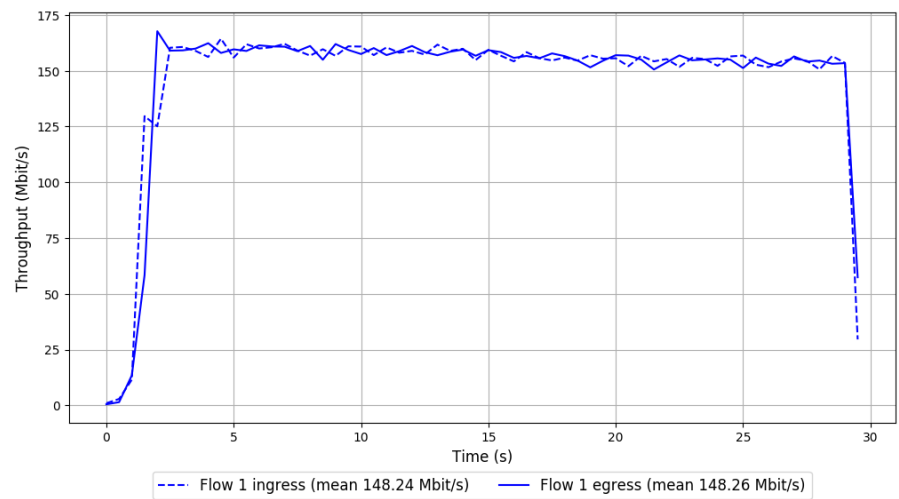
-- Flow 1:

Average throughput: 148.26 Mbit/s

95th percentile per-packet one-way delay: 89.274 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-25 19:40:35

End at: 2018-01-25 19:41:05

Below is generated by plot.py at 2018-01-25 21:41:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.05 Mbit/s

95th percentile per-packet one-way delay: 101.899 ms

Loss rate: 0.00%

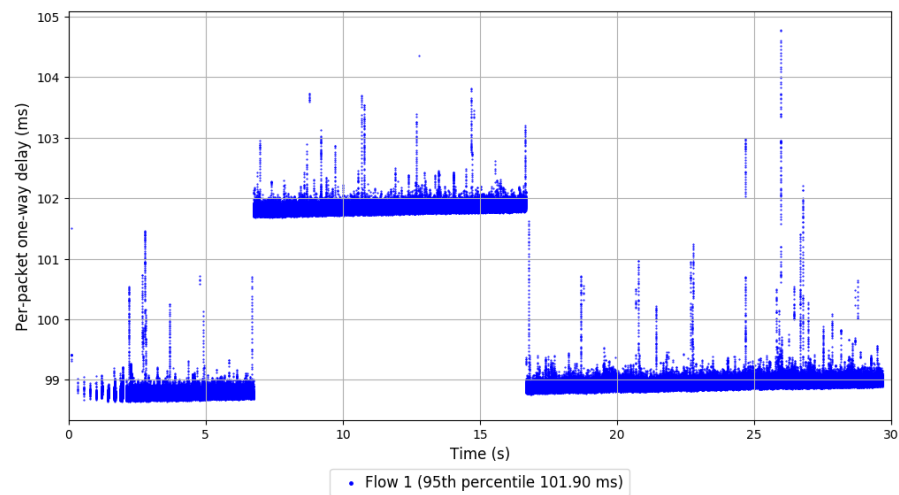
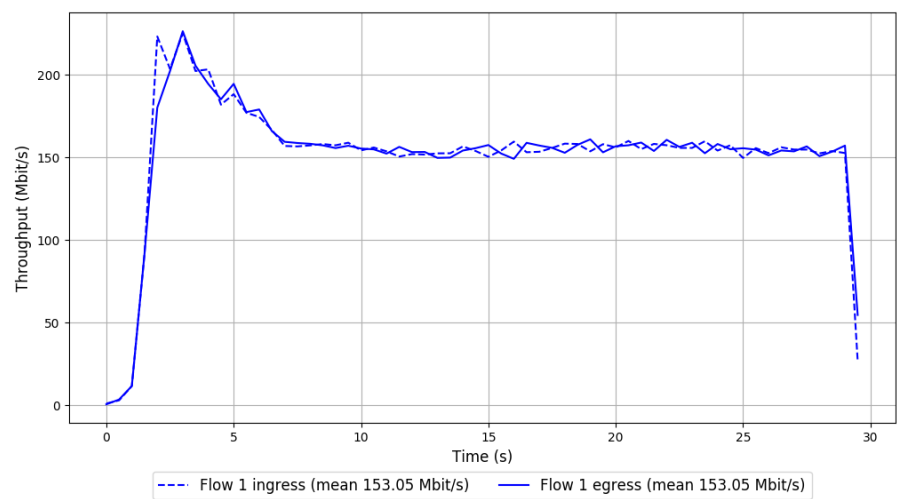
-- Flow 1:

Average throughput: 153.05 Mbit/s

95th percentile per-packet one-way delay: 101.899 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-25 19:53:15

End at: 2018-01-25 19:53:45

Below is generated by plot.py at 2018-01-25 21:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.49 Mbit/s

95th percentile per-packet one-way delay: 105.193 ms

Loss rate: 0.00%

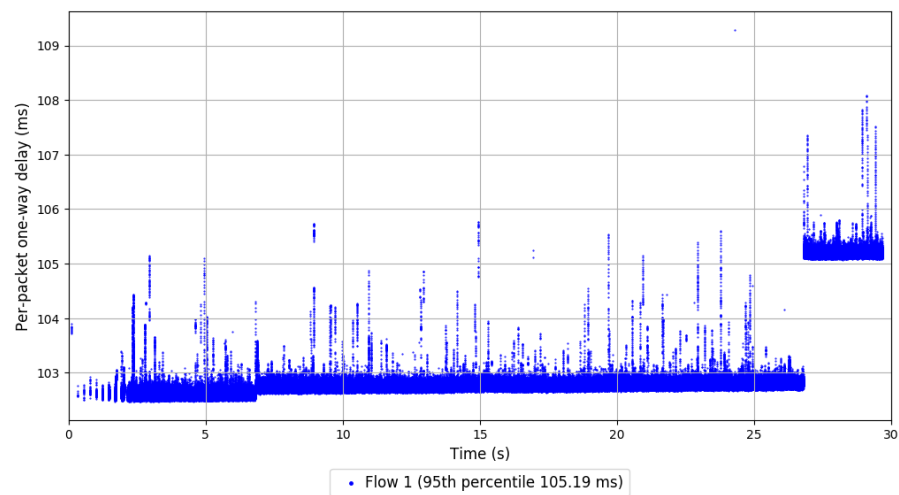
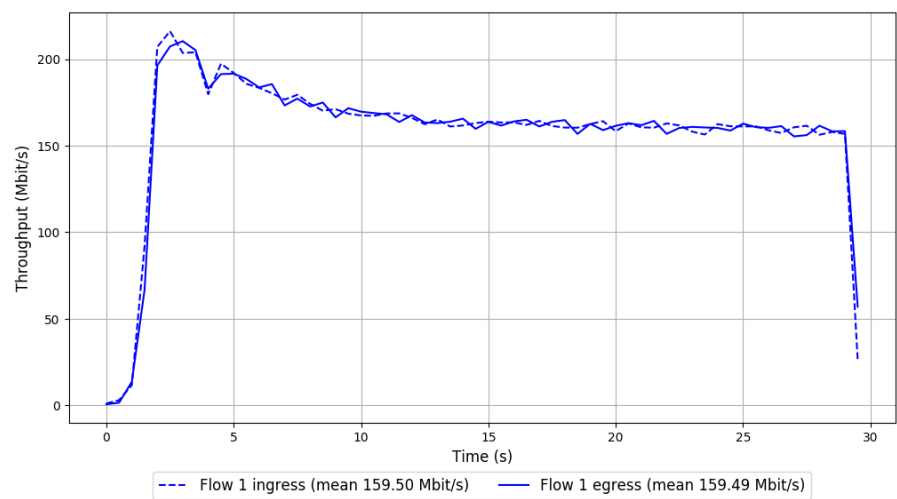
-- Flow 1:

Average throughput: 159.49 Mbit/s

95th percentile per-packet one-way delay: 105.193 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-25 20:06:05

End at: 2018-01-25 20:06:35

Below is generated by plot.py at 2018-01-25 21:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.77 Mbit/s

95th percentile per-packet one-way delay: 106.774 ms

Loss rate: 0.01%

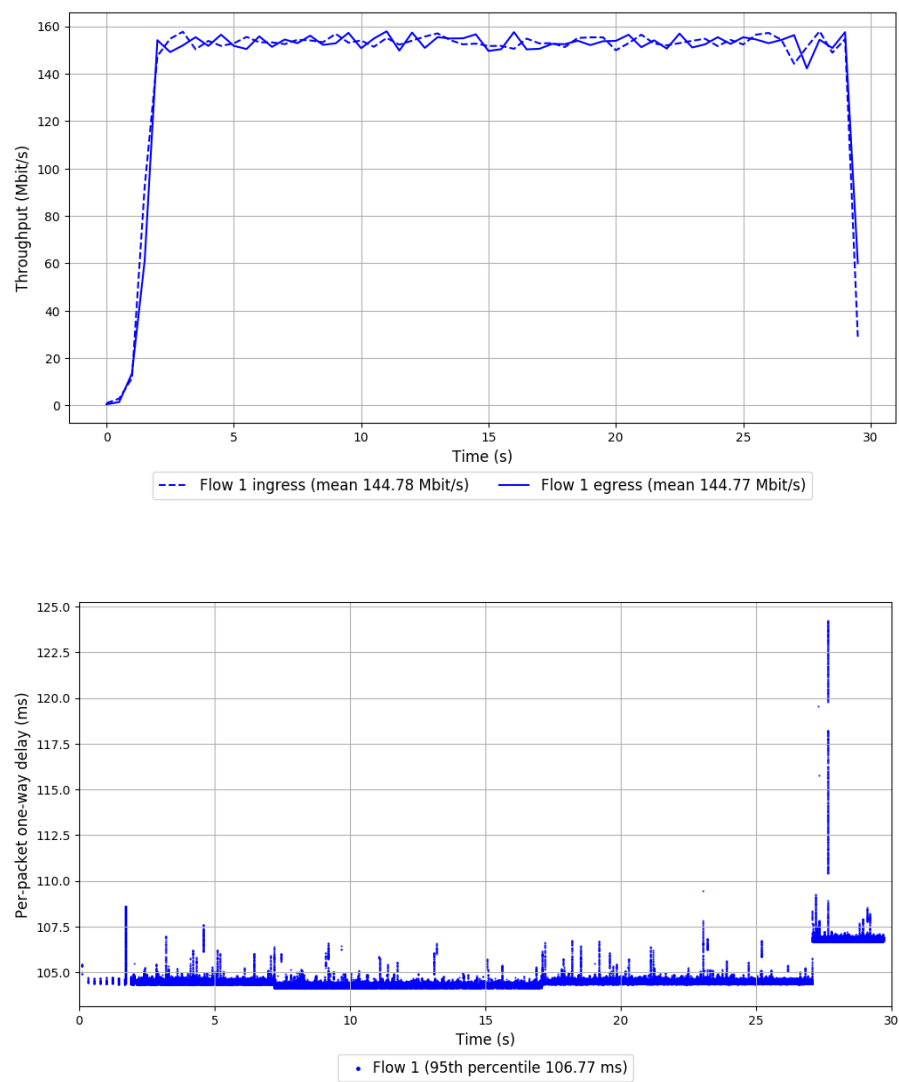
-- Flow 1:

Average throughput: 144.77 Mbit/s

95th percentile per-packet one-way delay: 106.774 ms

Loss rate: 0.01%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-25 20:18:40

End at: 2018-01-25 20:19:10

Below is generated by plot.py at 2018-01-25 21:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.35 Mbit/s

95th percentile per-packet one-way delay: 105.758 ms

Loss rate: 0.00%

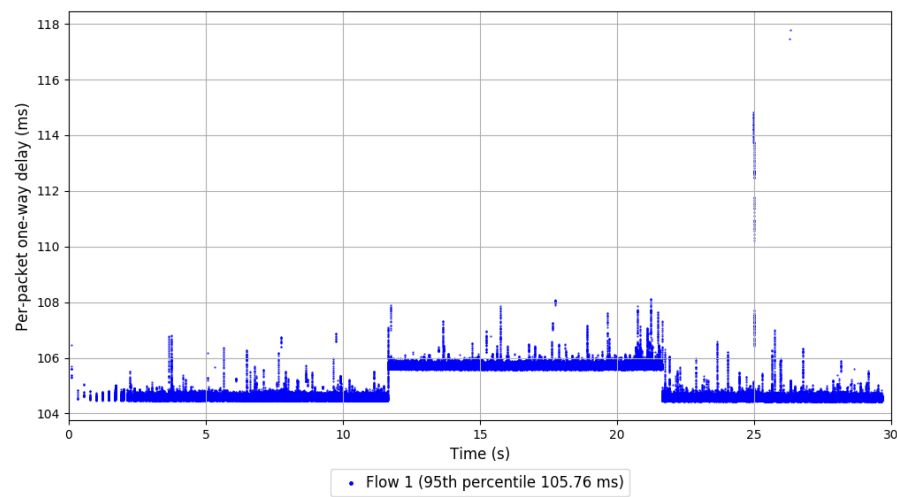
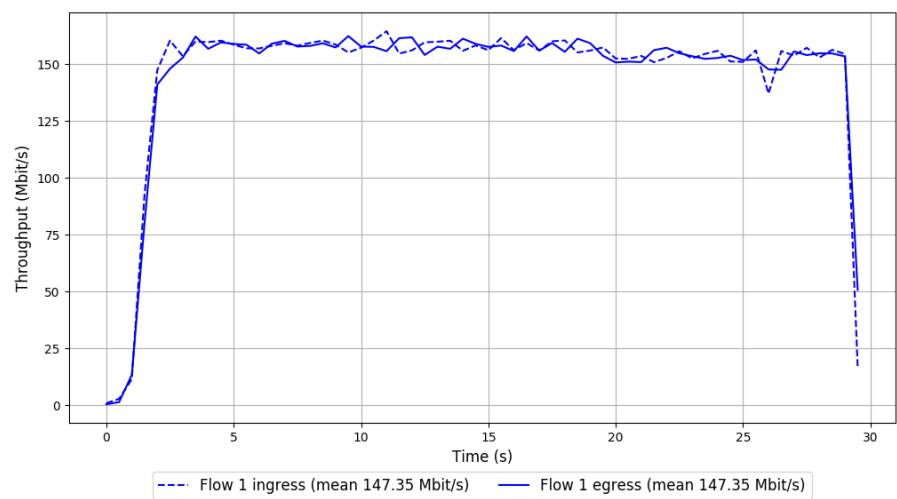
-- Flow 1:

Average throughput: 147.35 Mbit/s

95th percentile per-packet one-way delay: 105.758 ms

Loss rate: 0.00%

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

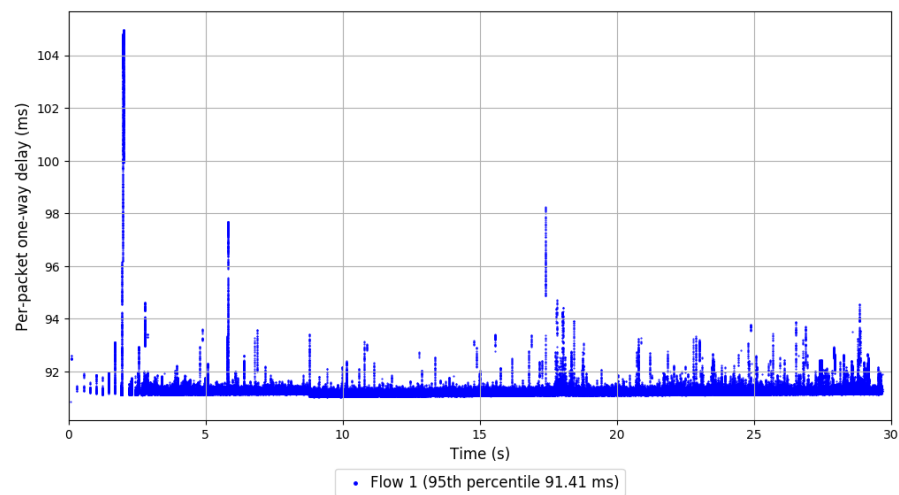
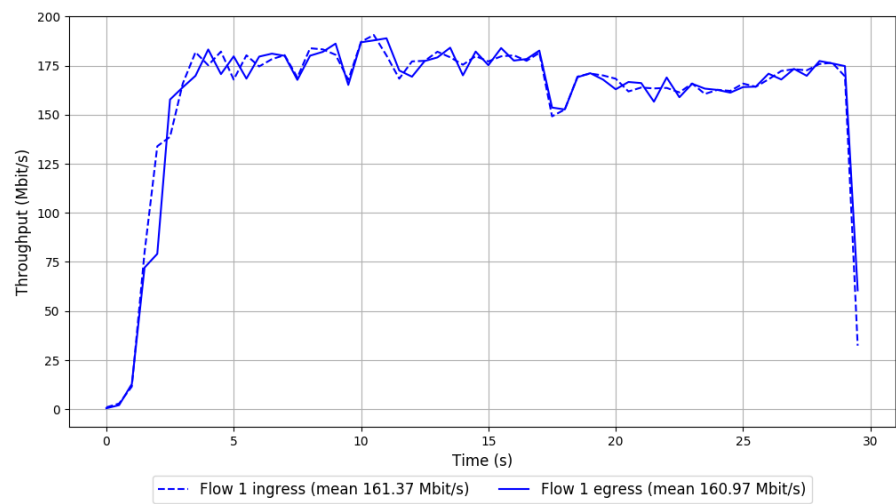


```
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-25 18:31:43
End at: 2018-01-25 18:32:13

# Below is generated by plot.py at 2018-01-25 21:42:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.97 Mbit/s
95th percentile per-packet one-way delay: 91.410 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 160.97 Mbit/s
95th percentile per-packet one-way delay: 91.410 ms
Loss rate: 0.25%
```


Run 1: Report of Indigo-1-128 — Data Link

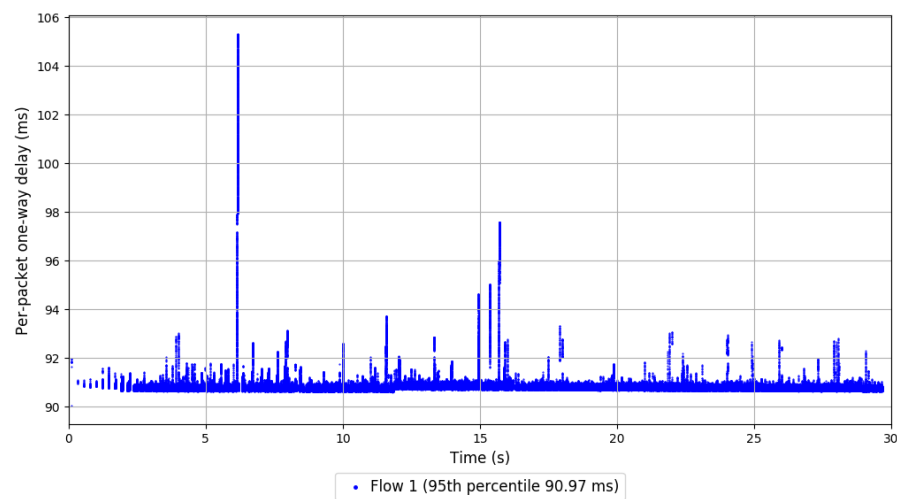
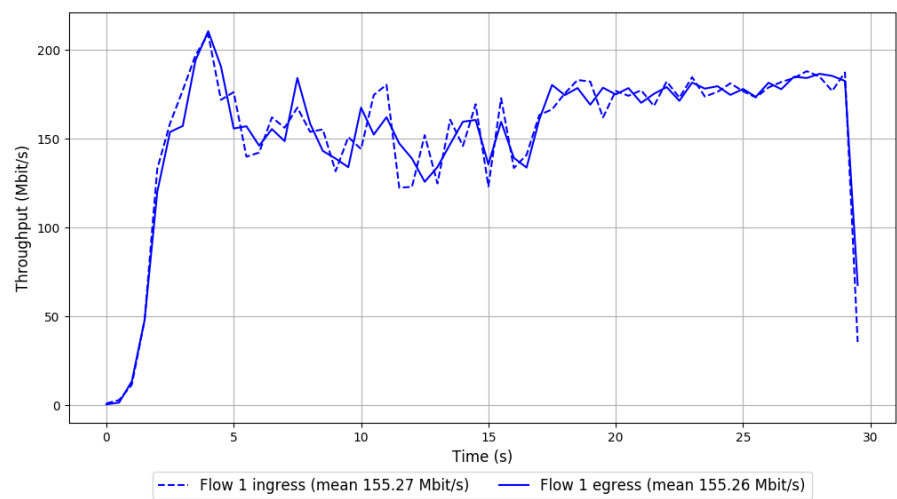


```
Run 2: Statistics of Indigo-1-128

Start at: 2018-01-25 18:44:30
End at: 2018-01-25 18:45:00

# Below is generated by plot.py at 2018-01-25 21:42:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.26 Mbit/s
95th percentile per-packet one-way delay: 90.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.26 Mbit/s
95th percentile per-packet one-way delay: 90.971 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-1-128 — Data Link



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-25 18:57:13

End at: 2018-01-25 18:57:43

Below is generated by plot.py at 2018-01-25 21:42:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.18 Mbit/s

95th percentile per-packet one-way delay: 85.728 ms

Loss rate: 0.11%

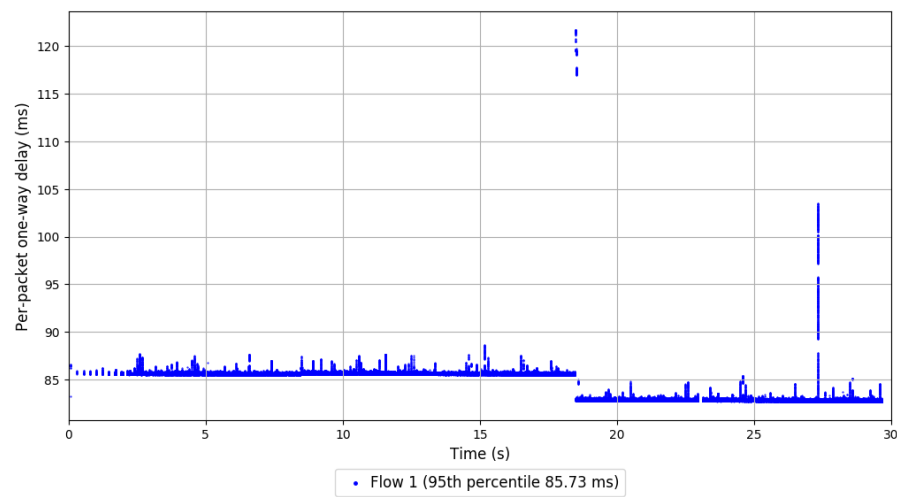
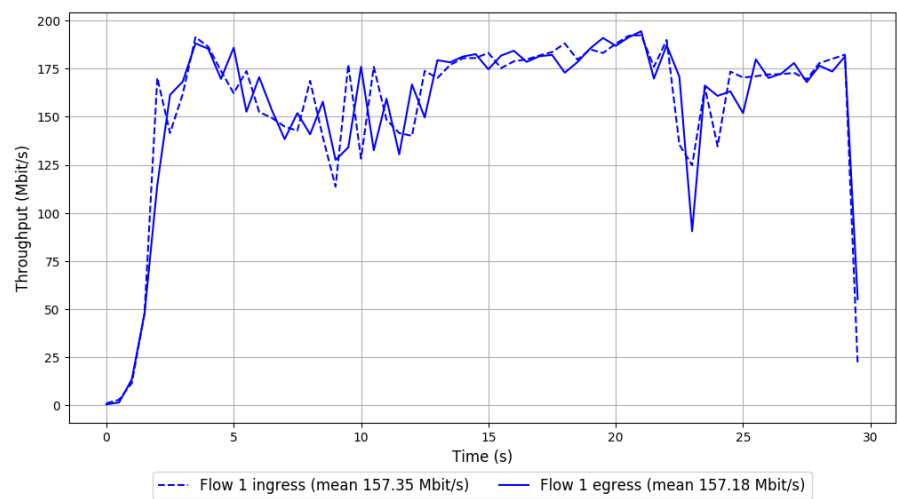
-- Flow 1:

Average throughput: 157.18 Mbit/s

95th percentile per-packet one-way delay: 85.728 ms

Loss rate: 0.11%

Run 3: Report of Indigo-1-128 — Data Link



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-25 19:09:57

End at: 2018-01-25 19:10:27

Below is generated by plot.py at 2018-01-25 21:44:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.68 Mbit/s

95th percentile per-packet one-way delay: 88.301 ms

Loss rate: 0.00%

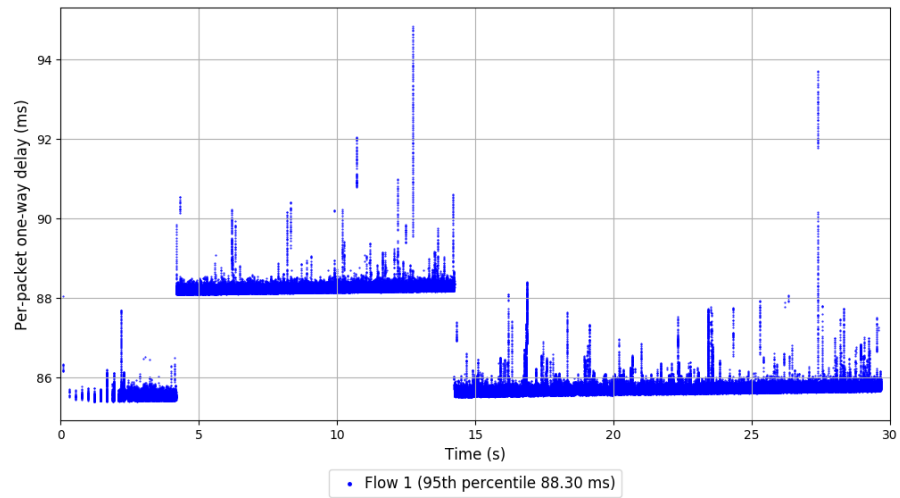
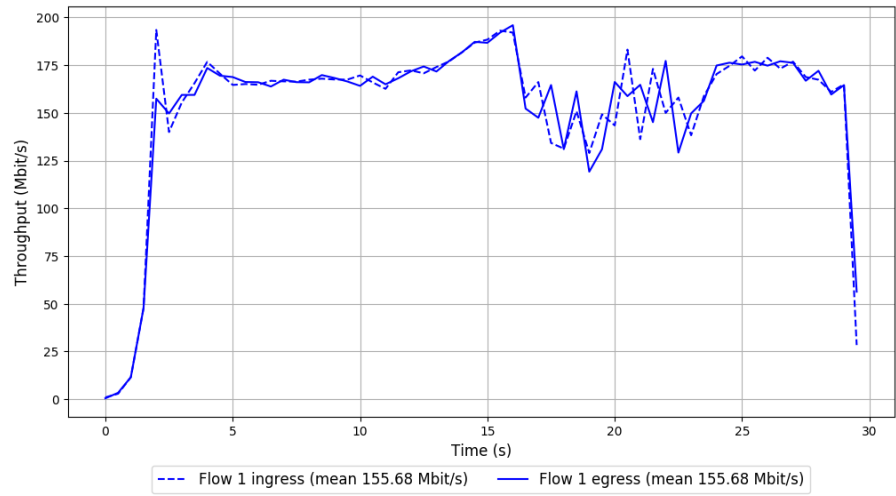
-- Flow 1:

Average throughput: 155.68 Mbit/s

95th percentile per-packet one-way delay: 88.301 ms

Loss rate: 0.00%

Run 4: Report of Indigo-1-128 — Data Link



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-25 19:22:52

End at: 2018-01-25 19:23:22

Below is generated by plot.py at 2018-01-25 21:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.87 Mbit/s

95th percentile per-packet one-way delay: 89.365 ms

Loss rate: 0.15%

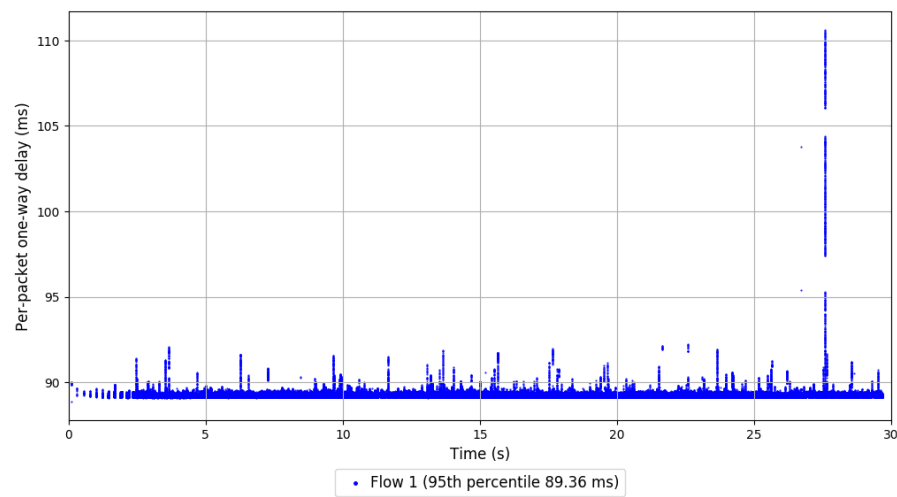
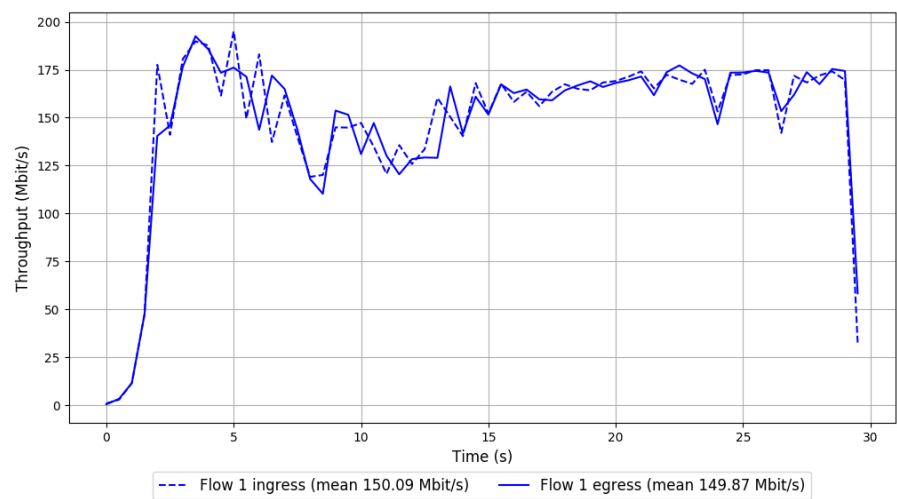
-- Flow 1:

Average throughput: 149.87 Mbit/s

95th percentile per-packet one-way delay: 89.365 ms

Loss rate: 0.15%

Run 5: Report of Indigo-1-128 — Data Link



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-25 19:35:15

End at: 2018-01-25 19:35:45

Below is generated by plot.py at 2018-01-25 21:44:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.07 Mbit/s

95th percentile per-packet one-way delay: 98.401 ms

Loss rate: 0.00%

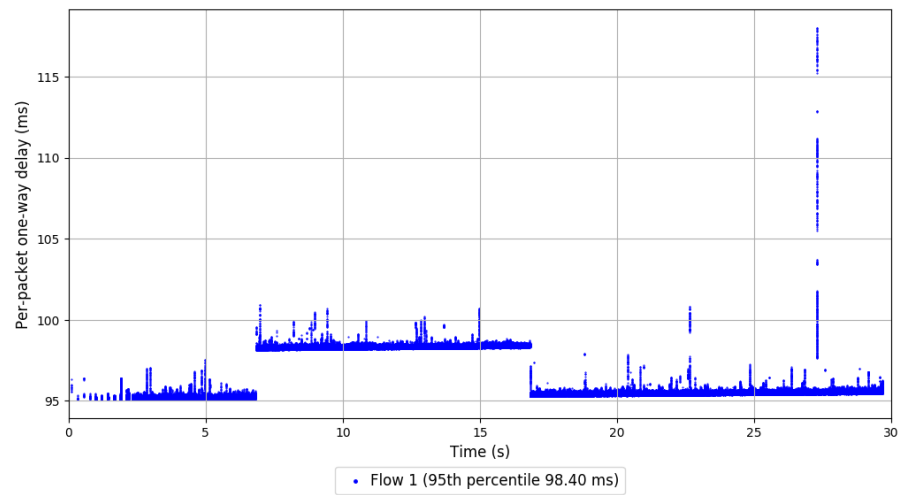
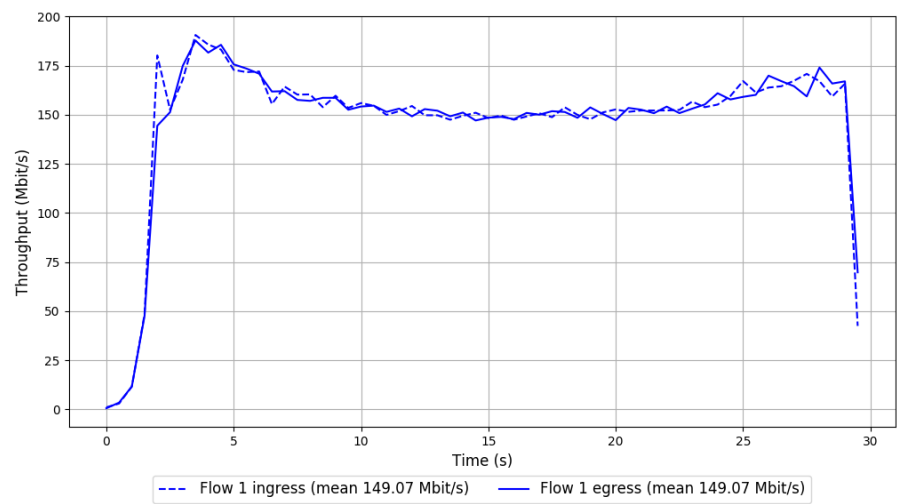
-- Flow 1:

Average throughput: 149.07 Mbit/s

95th percentile per-packet one-way delay: 98.401 ms

Loss rate: 0.00%

Run 6: Report of Indigo-1-128 — Data Link



Run 7: Statistics of Indigo-1-128

Start at: 2018-01-25 19:47:56

End at: 2018-01-25 19:48:26

Below is generated by plot.py at 2018-01-25 21:44:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.50 Mbit/s

95th percentile per-packet one-way delay: 103.362 ms

Loss rate: 0.00%

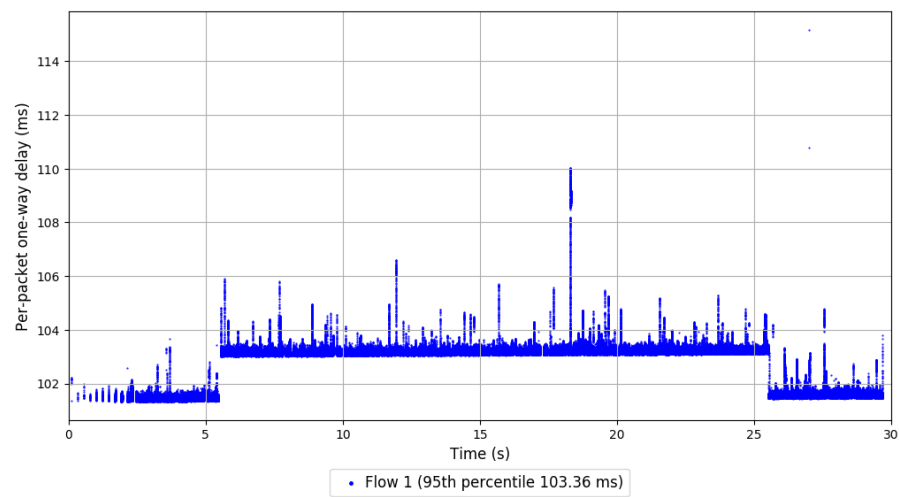
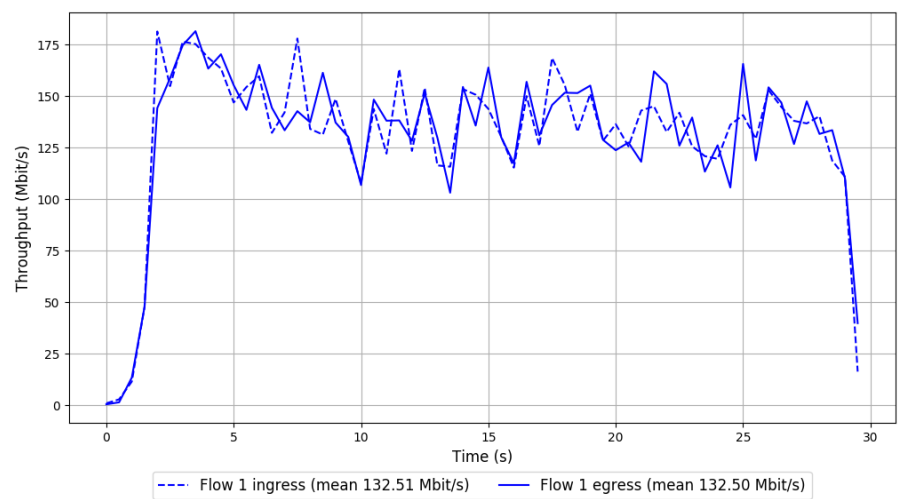
-- Flow 1:

Average throughput: 132.50 Mbit/s

95th percentile per-packet one-way delay: 103.362 ms

Loss rate: 0.00%

Run 7: Report of Indigo-1-128 — Data Link



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-25 20:00:44

End at: 2018-01-25 20:01:14

Below is generated by plot.py at 2018-01-25 21:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.54 Mbit/s

95th percentile per-packet one-way delay: 106.345 ms

Loss rate: 0.00%

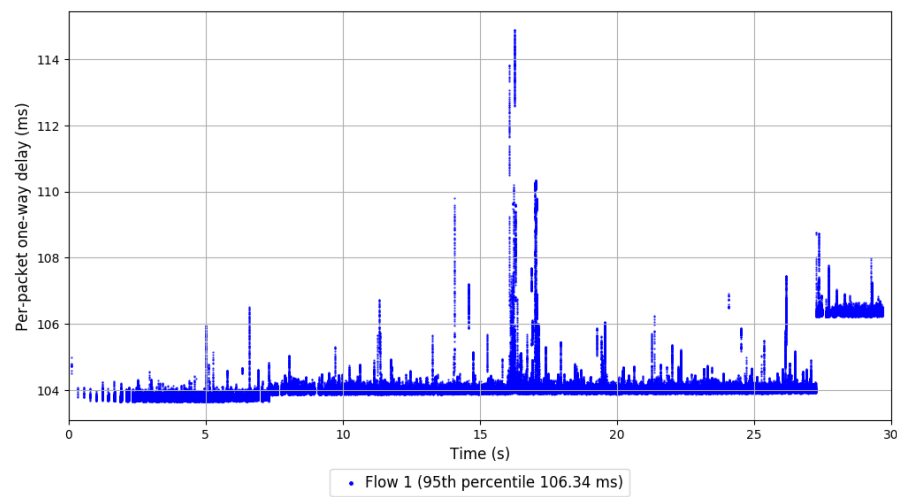
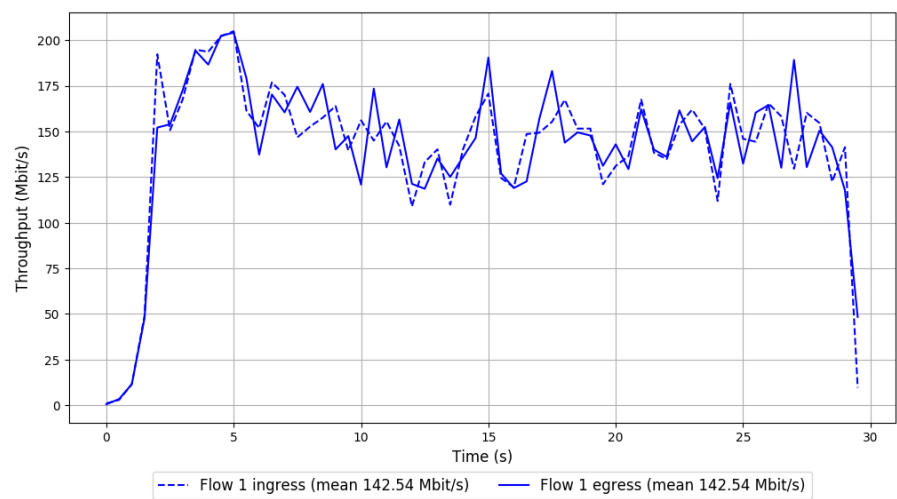
-- Flow 1:

Average throughput: 142.54 Mbit/s

95th percentile per-packet one-way delay: 106.345 ms

Loss rate: 0.00%

Run 8: Report of Indigo-1-128 — Data Link



Run 9: Statistics of Indigo-1-128

Start at: 2018-01-25 20:13:10

End at: 2018-01-25 20:13:40

Below is generated by plot.py at 2018-01-25 21:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.94 Mbit/s

95th percentile per-packet one-way delay: 104.857 ms

Loss rate: 0.00%

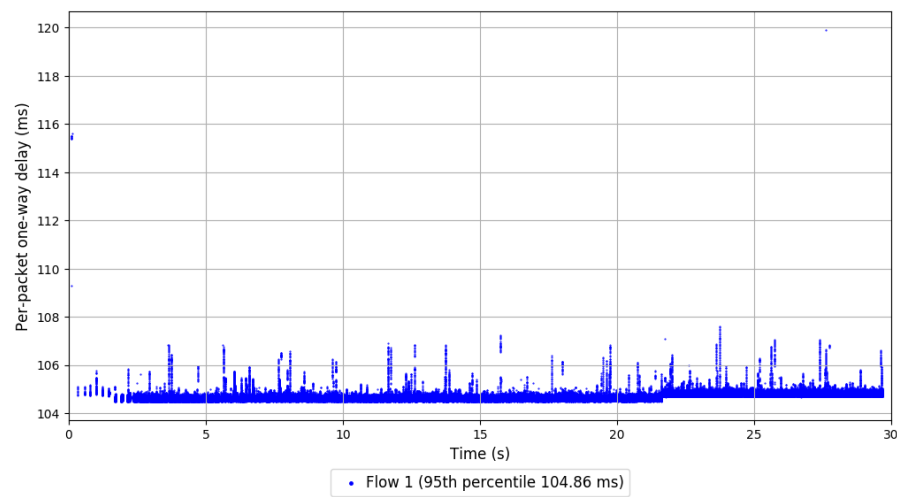
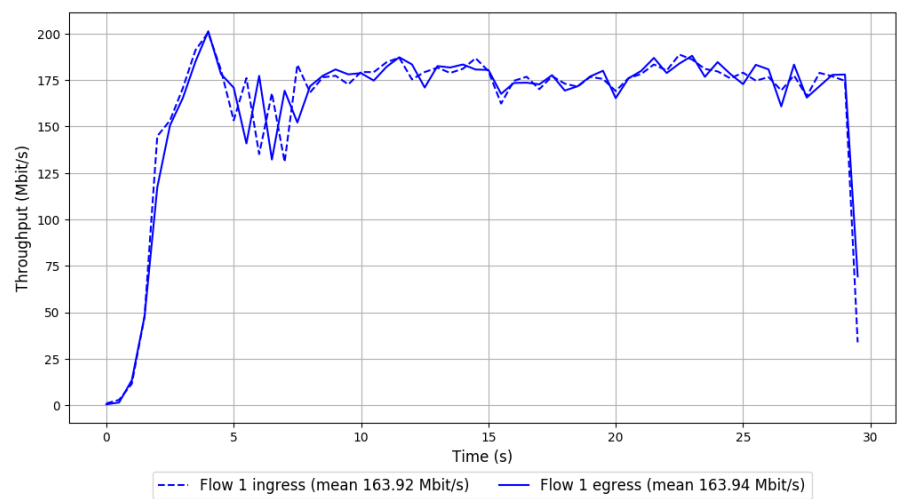
-- Flow 1:

Average throughput: 163.94 Mbit/s

95th percentile per-packet one-way delay: 104.857 ms

Loss rate: 0.00%

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-25 20:25:58

End at: 2018-01-25 20:26:28

Below is generated by plot.py at 2018-01-25 21:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.70 Mbit/s

95th percentile per-packet one-way delay: 106.774 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 145.70 Mbit/s

95th percentile per-packet one-way delay: 106.774 ms

Loss rate: 0.00%

Run 10: Report of Indigo-1-128 — Data Link

