

Pantheon Report

Generated at 2018-01-26 09:01:56 (UTC).

Data path: GCE Iowa 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.

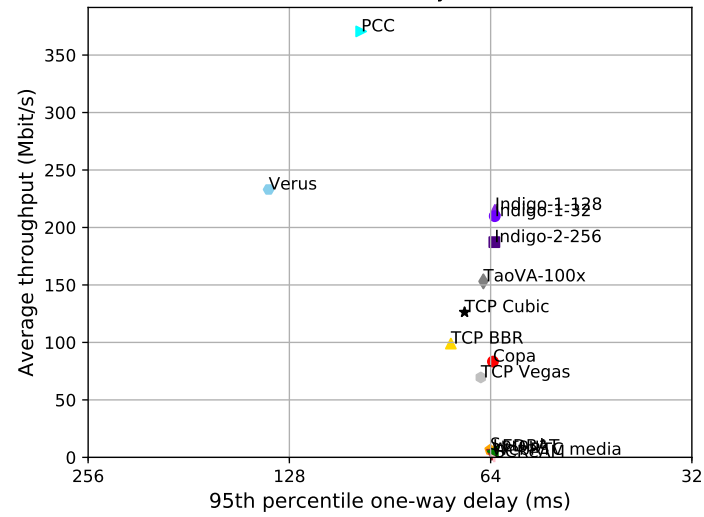
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

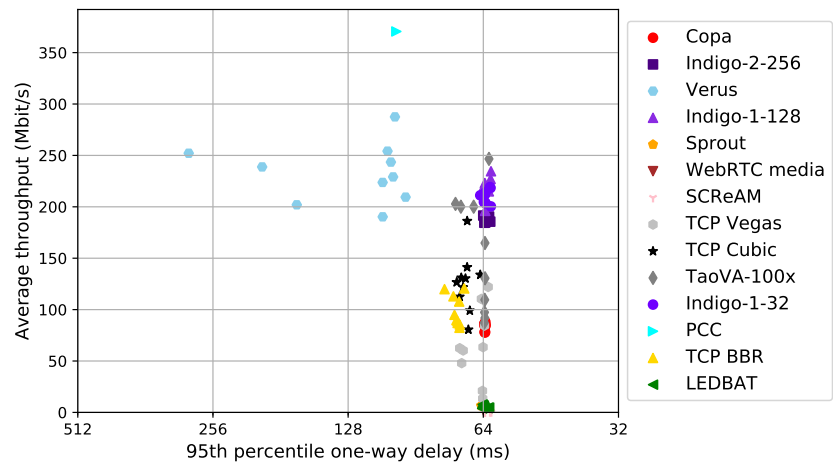
Git summary:

```
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 @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE Iowa 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	98.98	73.40	0.31
TCP Cubic	10	126.30	70.01	0.18
LEDBAT	10	5.15	63.53	0.70
PCC	1	370.58	99.95	0.04
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.22	63.22	0.00
WebRTC media	10	2.24	63.70	0.00
Sprout	10	6.53	64.13	0.31
TaoVA-100x	10	153.10	65.62	0.00
TCP Vegas	10	69.50	66.21	0.16
Verus	10	233.05	137.48	0.81
Copa	10	83.31	63.49	0.00
Indigo-2-256	10	187.23	63.18	0.05
Indigo-1-32	10	209.84	63.10	0.00
Indigo-1-128	10	215.34	63.06	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-01-26 05:41:09

End at: 2018-01-26 05:41:39

Below is generated by plot.py at 2018-01-26 08:24:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 74.190 ms

Loss rate: 0.61%

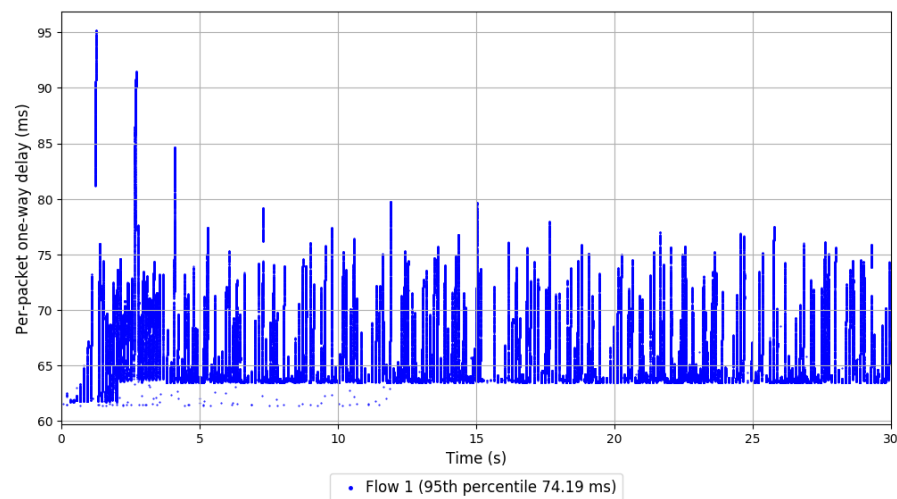
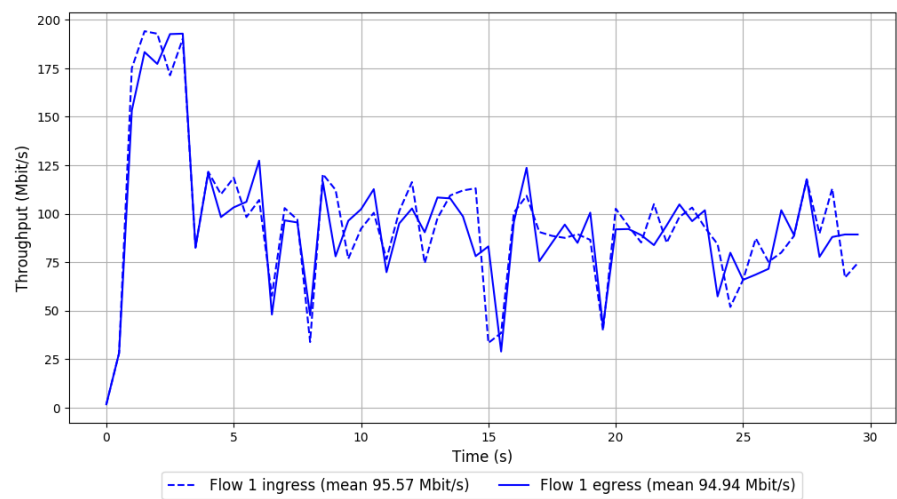
-- Flow 1:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 74.190 ms

Loss rate: 0.61%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-26 05:53:08

End at: 2018-01-26 05:53:38

Below is generated by plot.py at 2018-01-26 08:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.89 Mbit/s

95th percentile per-packet one-way delay: 78.085 ms

Loss rate: 0.00%

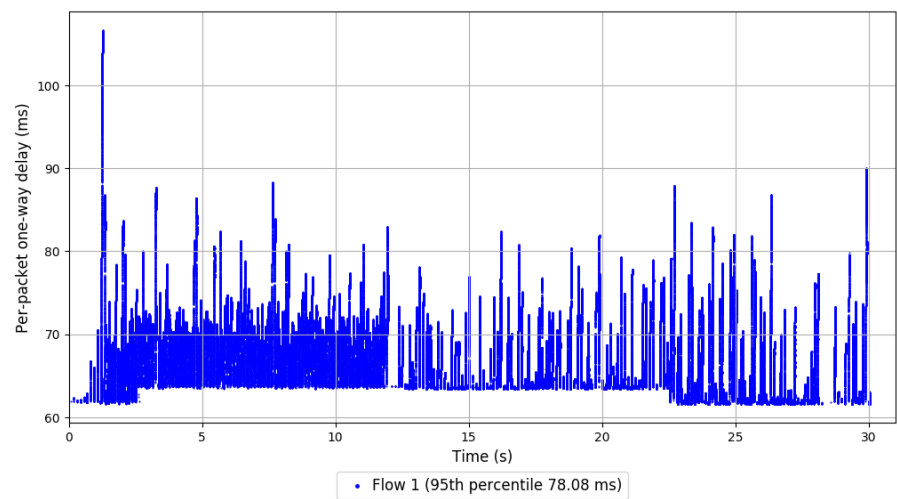
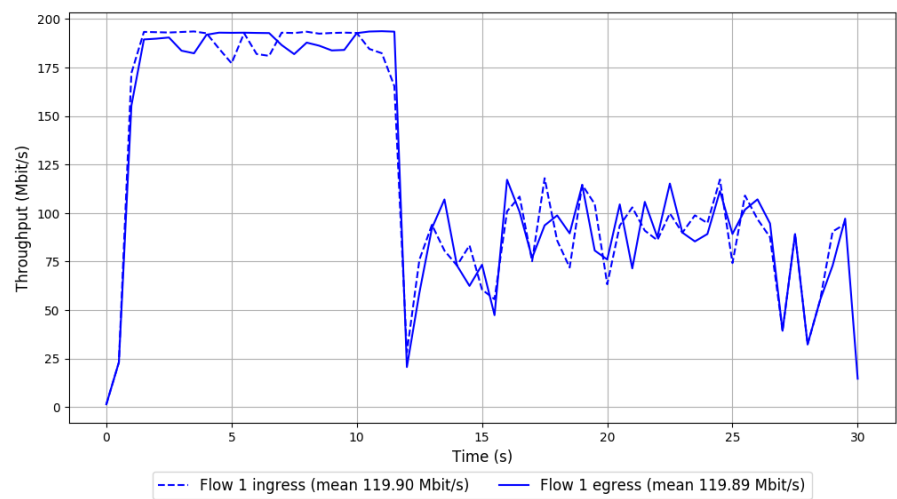
-- Flow 1:

Average throughput: 119.89 Mbit/s

95th percentile per-packet one-way delay: 78.085 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-26 06:05:12

End at: 2018-01-26 06:05:42

Below is generated by plot.py at 2018-01-26 08:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.85 Mbit/s

95th percentile per-packet one-way delay: 72.425 ms

Loss rate: 0.36%

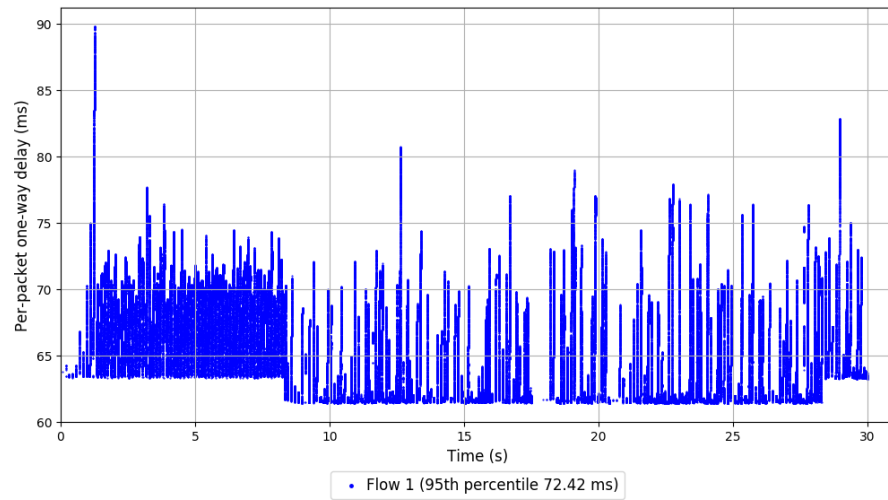
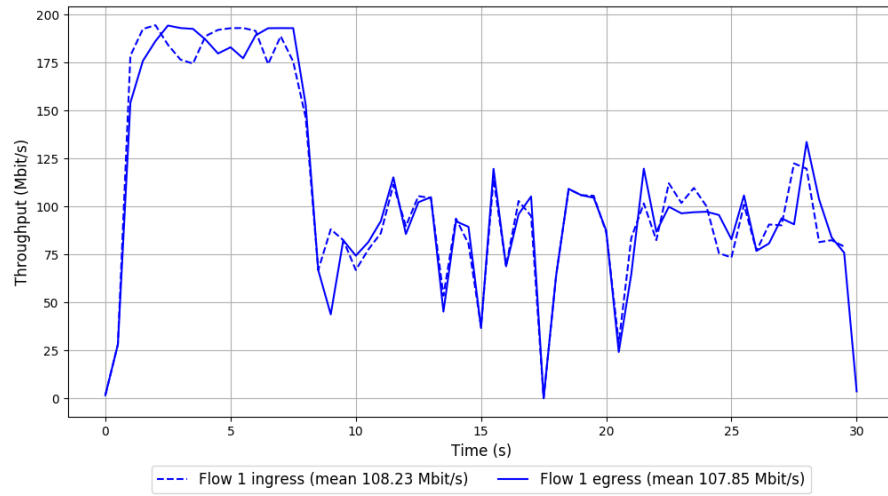
-- Flow 1:

Average throughput: 107.85 Mbit/s

95th percentile per-packet one-way delay: 72.425 ms

Loss rate: 0.36%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-26 06:17:04

End at: 2018-01-26 06:17:34

Below is generated by plot.py at 2018-01-26 08:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 73.065 ms

Loss rate: 0.56%

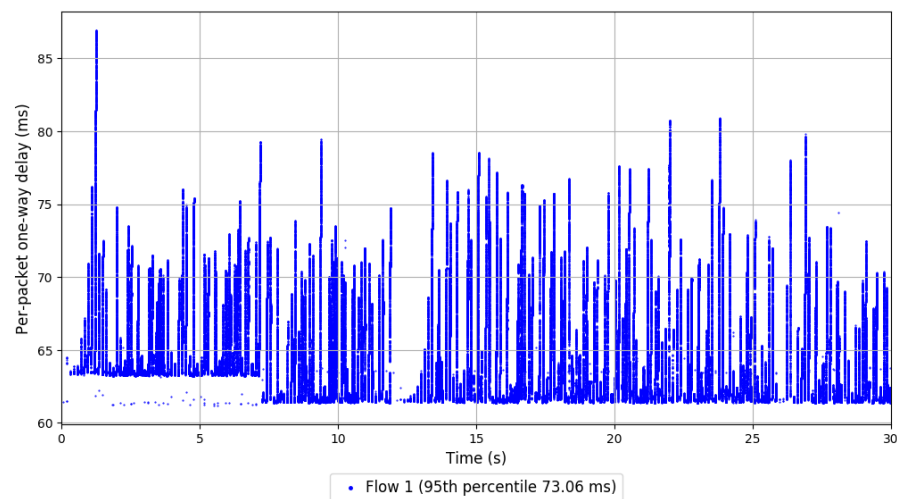
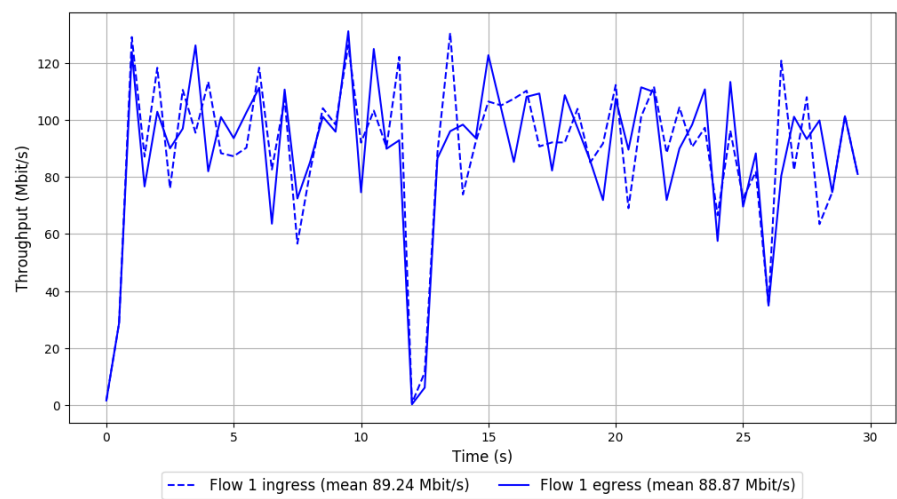
-- Flow 1:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 73.065 ms

Loss rate: 0.56%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-26 06:28:58

End at: 2018-01-26 06:29:28

Below is generated by plot.py at 2018-01-26 08:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 73.018 ms

Loss rate: 0.01%

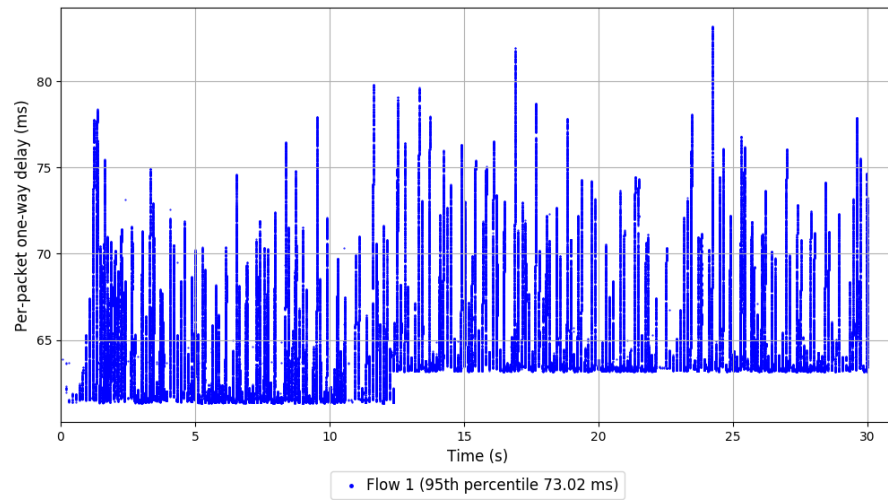
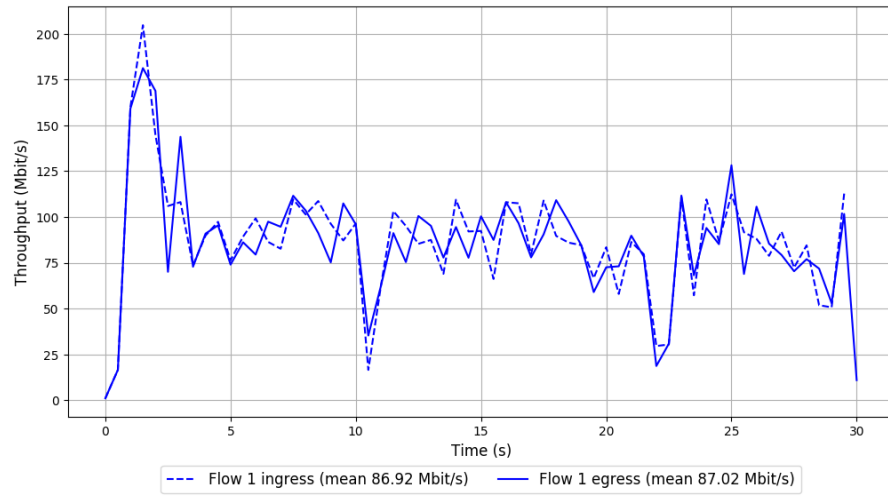
-- Flow 1:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 73.018 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-26 06:40:50

End at: 2018-01-26 06:41:20

Below is generated by plot.py at 2018-01-26 08:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.81 Mbit/s

95th percentile per-packet one-way delay: 73.466 ms

Loss rate: 0.00%

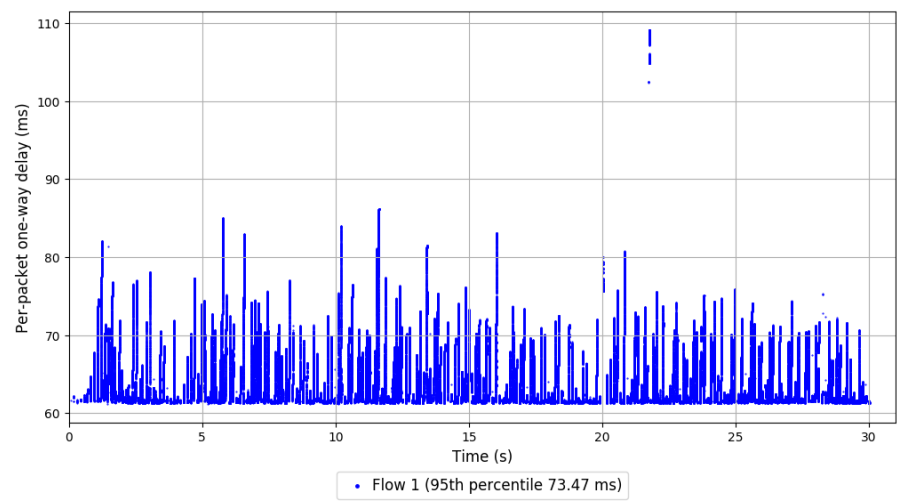
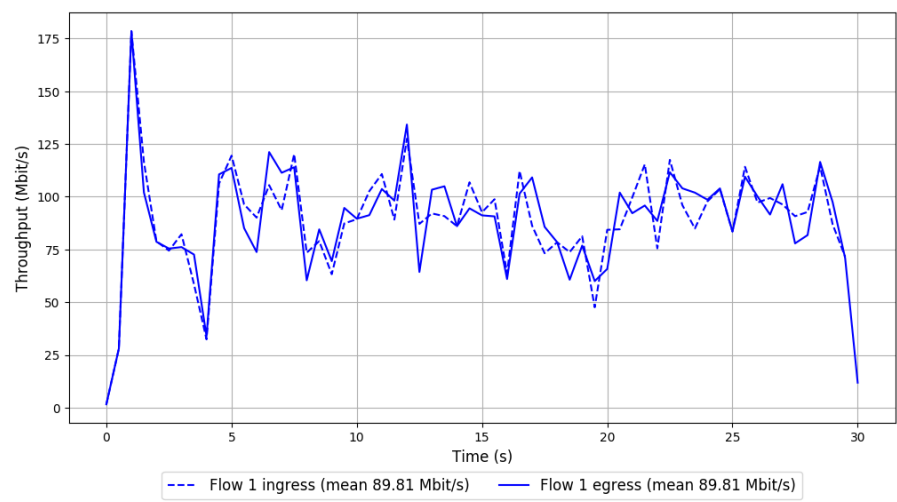
-- Flow 1:

Average throughput: 89.81 Mbit/s

95th percentile per-packet one-way delay: 73.466 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-26 06:52:40

End at: 2018-01-26 06:53:10

Below is generated by plot.py at 2018-01-26 08:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.93 Mbit/s

95th percentile per-packet one-way delay: 74.597 ms

Loss rate: 0.30%

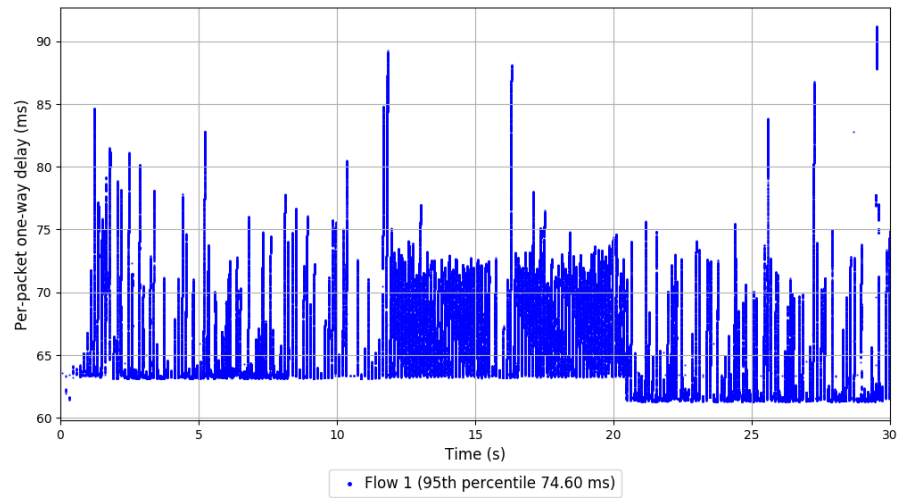
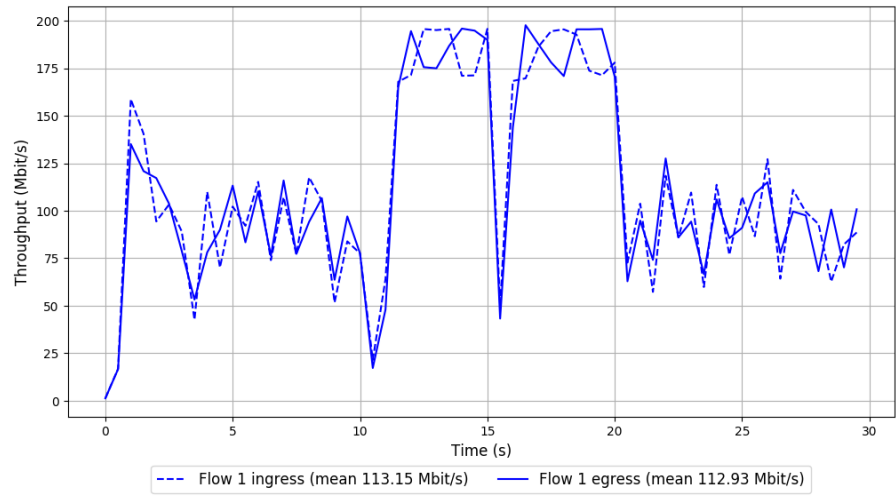
-- Flow 1:

Average throughput: 112.93 Mbit/s

95th percentile per-packet one-way delay: 74.597 ms

Loss rate: 0.30%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-26 07:04:54

End at: 2018-01-26 07:05:24

Below is generated by plot.py at 2018-01-26 08:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.33 Mbit/s

95th percentile per-packet one-way delay: 72.322 ms

Loss rate: 0.84%

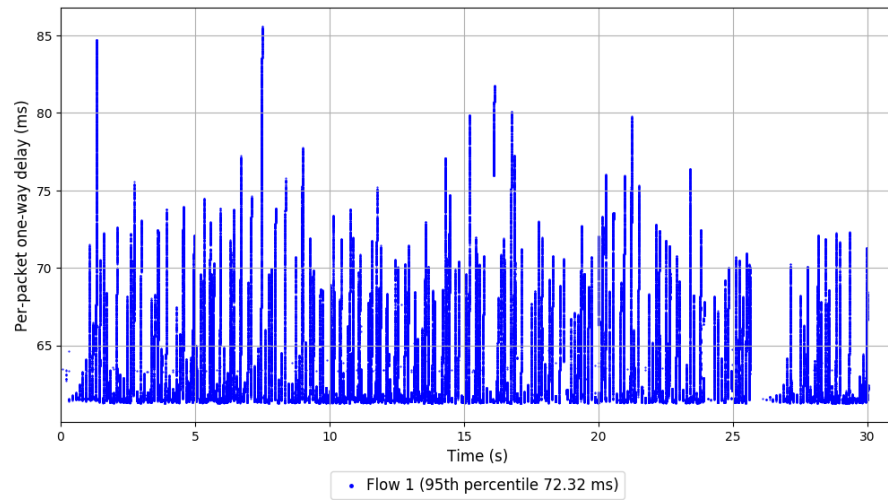
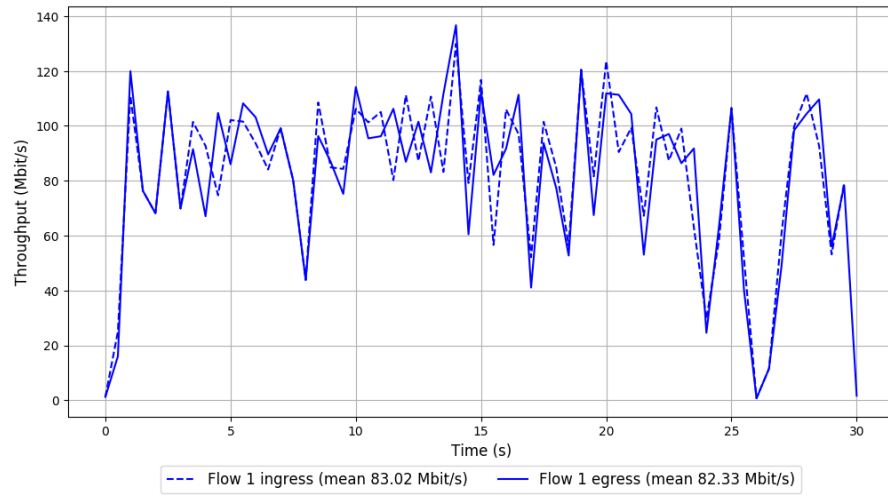
-- Flow 1:

Average throughput: 82.33 Mbit/s

95th percentile per-packet one-way delay: 72.322 ms

Loss rate: 0.84%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-26 07:16:49

End at: 2018-01-26 07:17:19

Below is generated by plot.py at 2018-01-26 08:25:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 72.230 ms

Loss rate: 0.21%

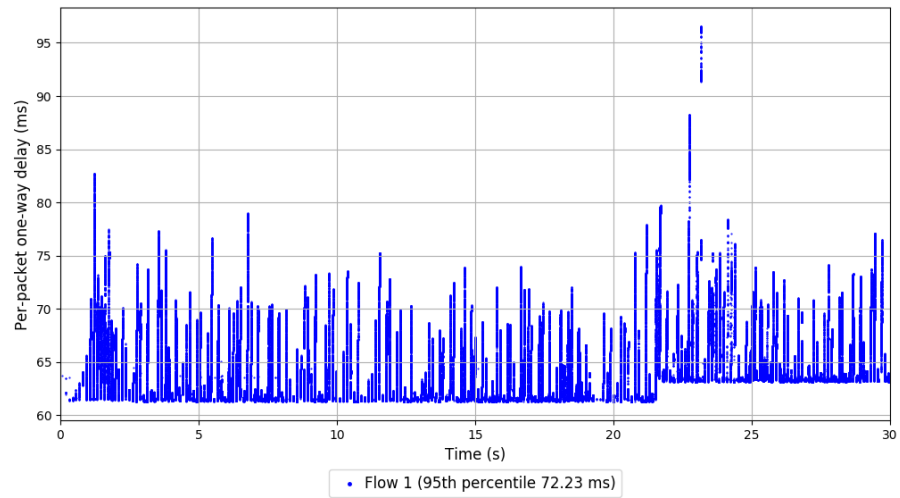
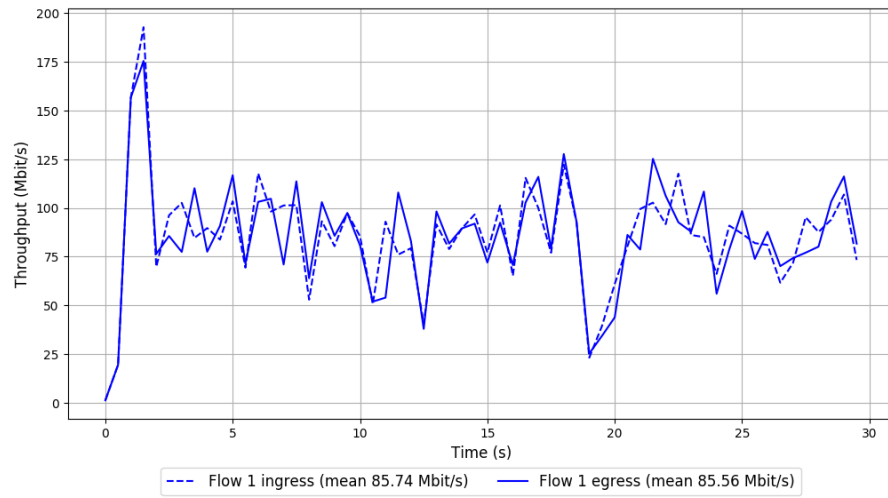
-- Flow 1:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 72.230 ms

Loss rate: 0.21%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-26 07:28:41

End at: 2018-01-26 07:29:11

Below is generated by plot.py at 2018-01-26 08:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.59 Mbit/s

95th percentile per-packet one-way delay: 70.568 ms

Loss rate: 0.23%

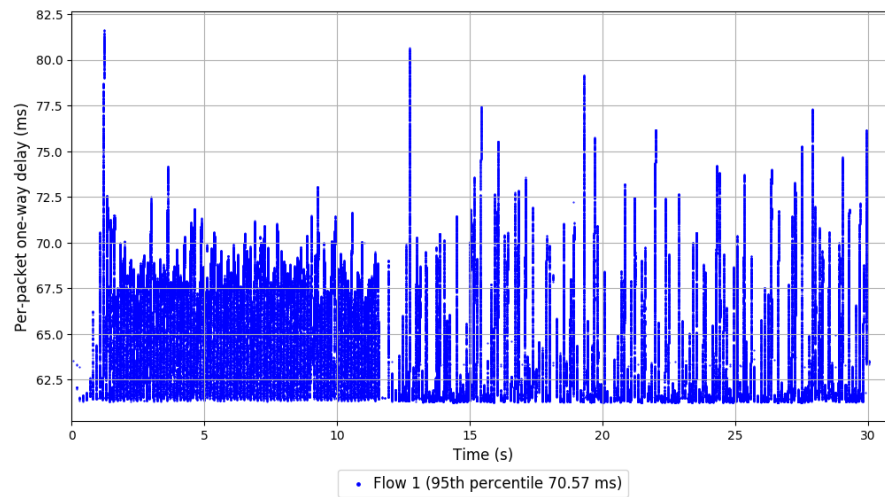
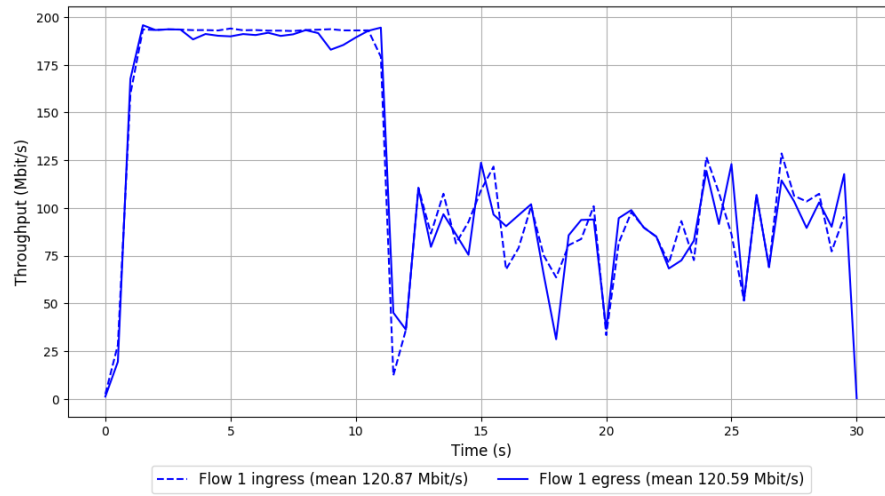
-- Flow 1:

Average throughput: 120.59 Mbit/s

95th percentile per-packet one-way delay: 70.568 ms

Loss rate: 0.23%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 05:34:30

End at: 2018-01-26 05:35:00

Below is generated by plot.py at 2018-01-26 08:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.60 Mbit/s

95th percentile per-packet one-way delay: 73.370 ms

Loss rate: 0.00%

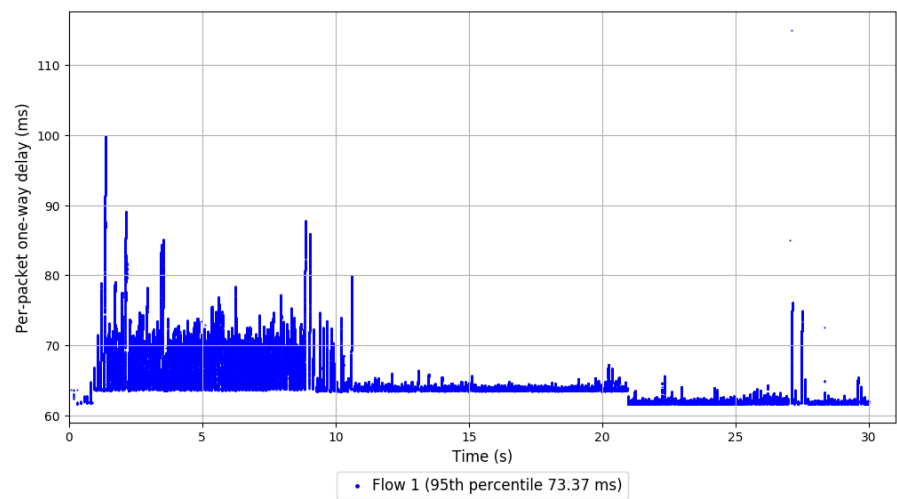
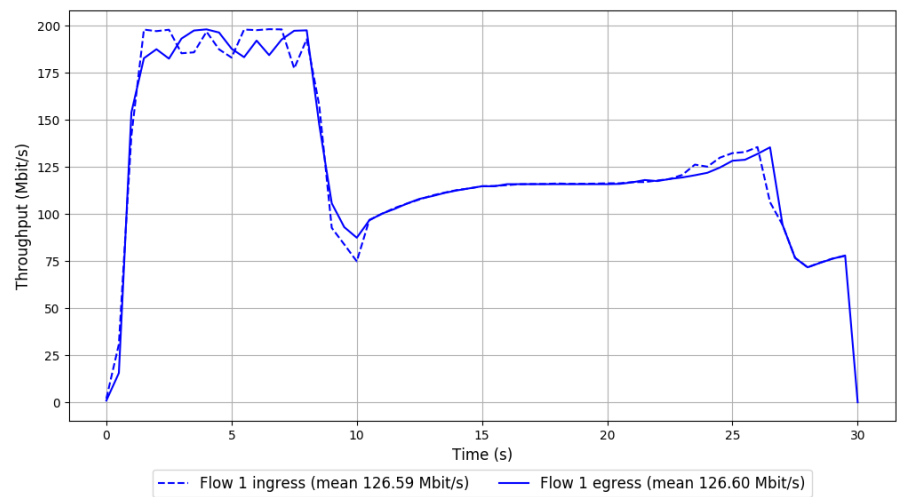
-- Flow 1:

Average throughput: 126.60 Mbit/s

95th percentile per-packet one-way delay: 73.370 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 05:46:30

End at: 2018-01-26 05:47:00

Below is generated by plot.py at 2018-01-26 08:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.51 Mbit/s

95th percentile per-packet one-way delay: 72.248 ms

Loss rate: 0.00%

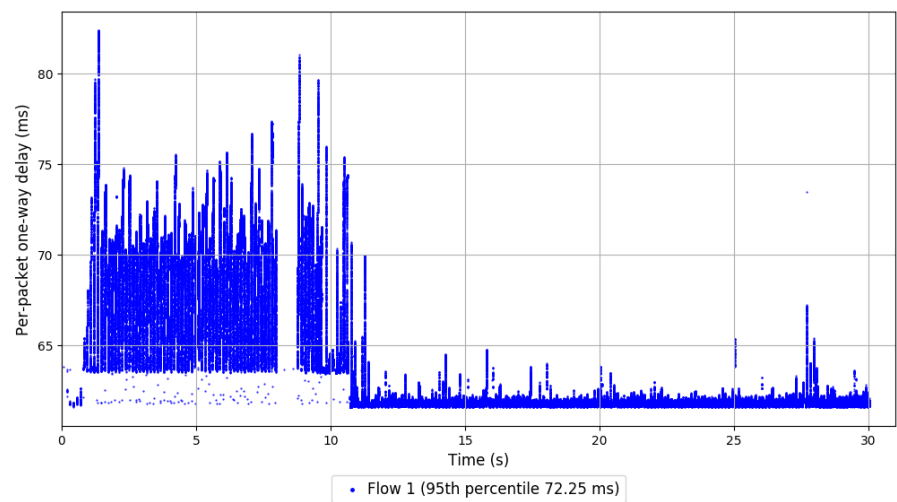
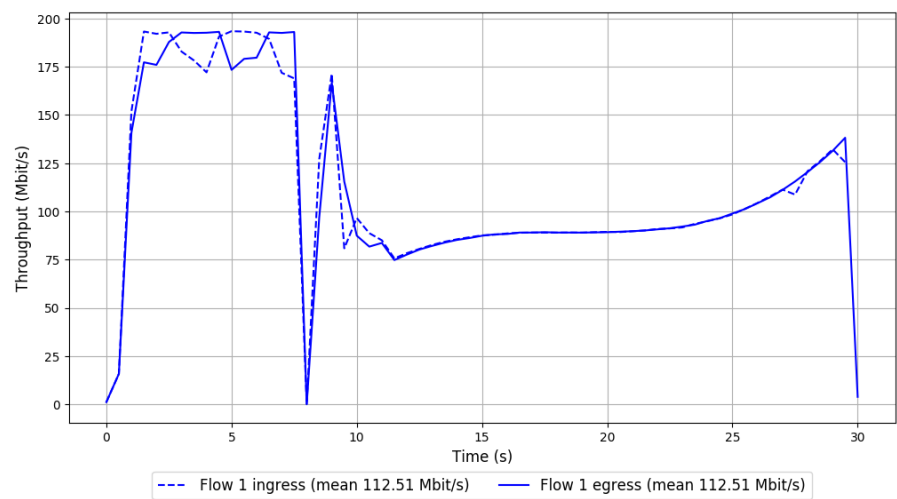
-- Flow 1:

Average throughput: 112.51 Mbit/s

95th percentile per-packet one-way delay: 72.248 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 05:58:33

End at: 2018-01-26 05:59:03

Below is generated by plot.py at 2018-01-26 08:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.04 Mbit/s

95th percentile per-packet one-way delay: 71.651 ms

Loss rate: 0.00%

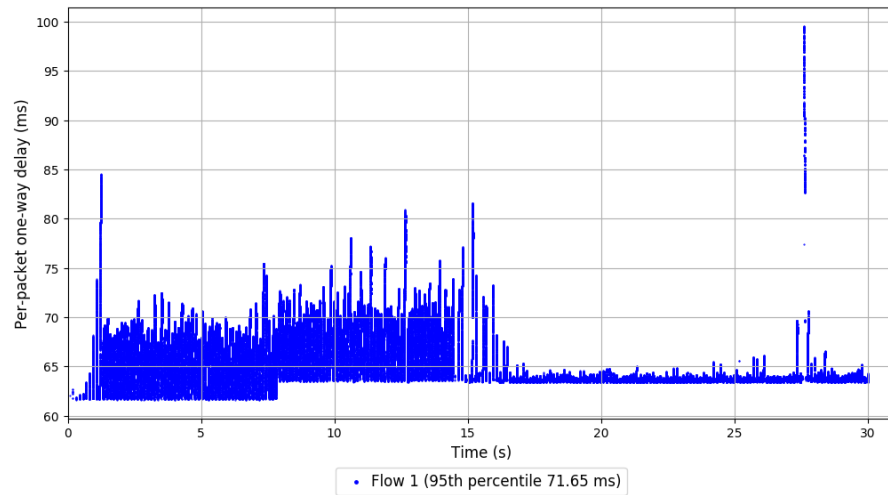
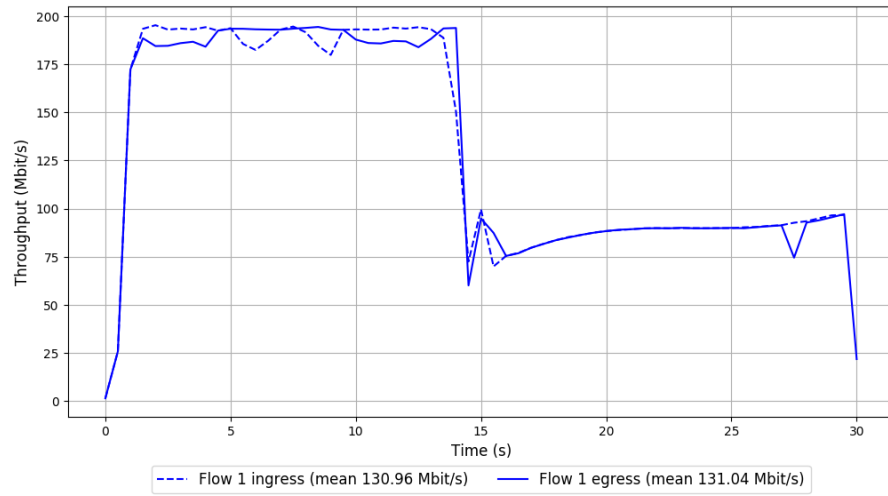
-- Flow 1:

Average throughput: 131.04 Mbit/s

95th percentile per-packet one-way delay: 71.651 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 06:10:36

End at: 2018-01-26 06:11:06

Below is generated by plot.py at 2018-01-26 08:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.22 Mbit/s

95th percentile per-packet one-way delay: 69.515 ms

Loss rate: 0.00%

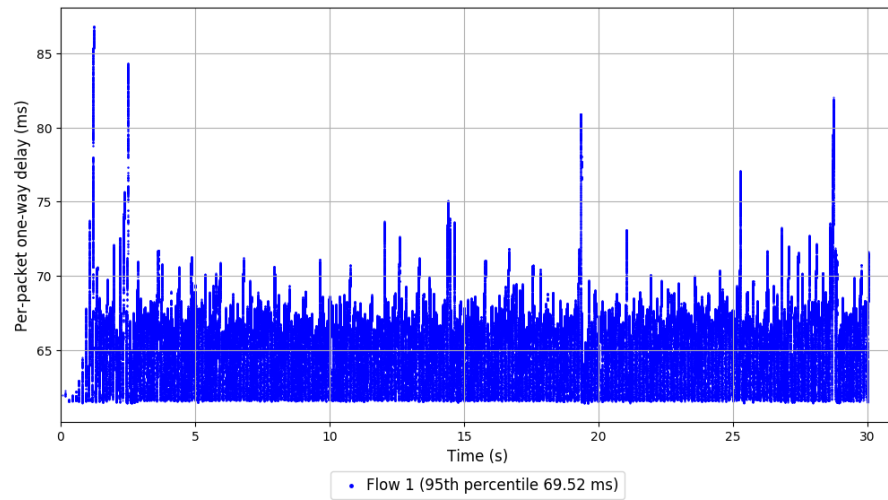
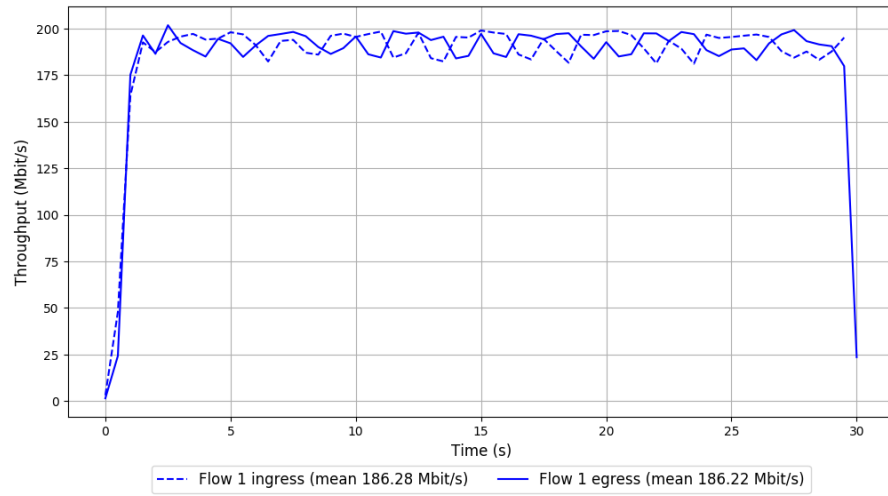
-- Flow 1:

Average throughput: 186.22 Mbit/s

95th percentile per-packet one-way delay: 69.515 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 06:22:26

End at: 2018-01-26 06:22:56

Below is generated by plot.py at 2018-01-26 08:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.66 Mbit/s

95th percentile per-packet one-way delay: 71.008 ms

Loss rate: 0.00%

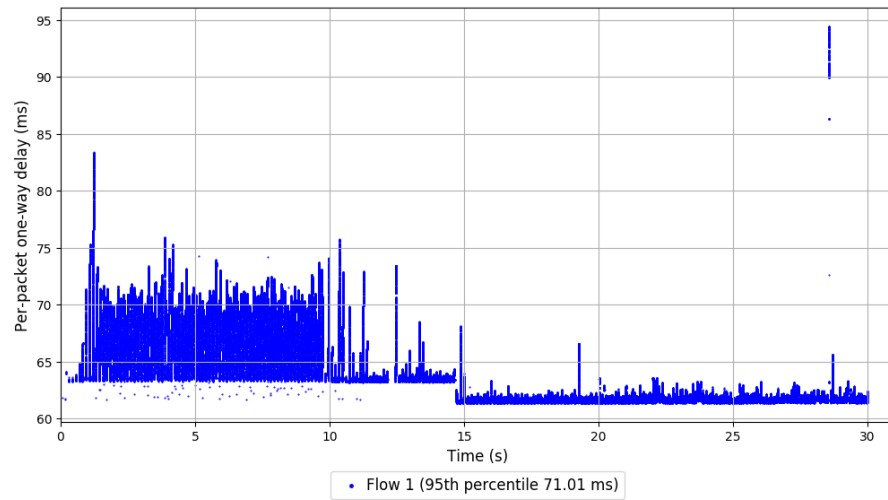
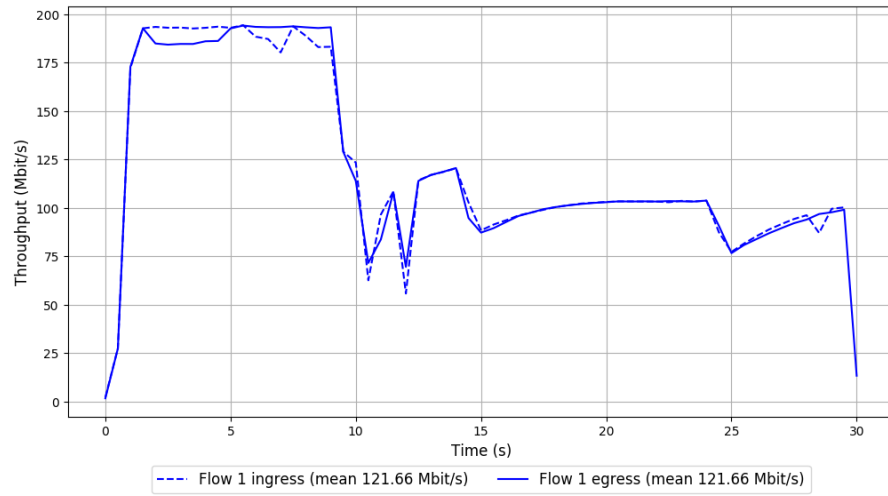
-- Flow 1:

Average throughput: 121.66 Mbit/s

95th percentile per-packet one-way delay: 71.008 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 06:34:18

End at: 2018-01-26 06:34:48

Below is generated by plot.py at 2018-01-26 08:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.04 Mbit/s

95th percentile per-packet one-way delay: 68.584 ms

Loss rate: 0.32%

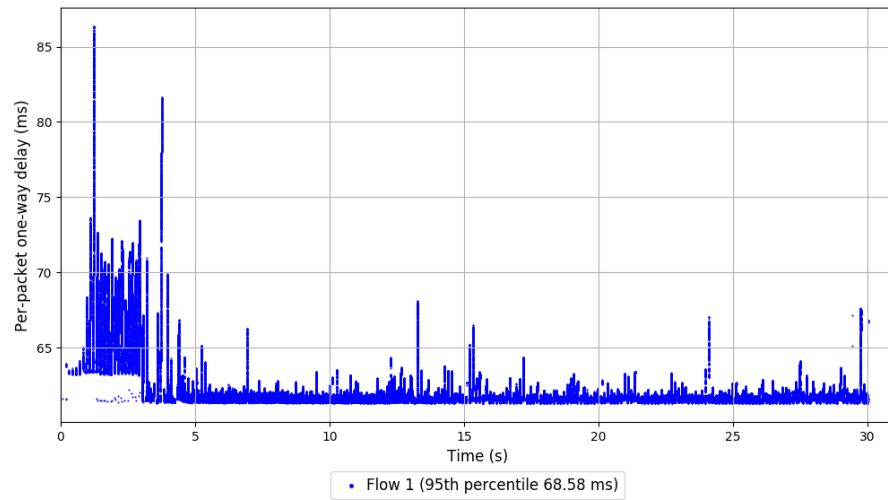
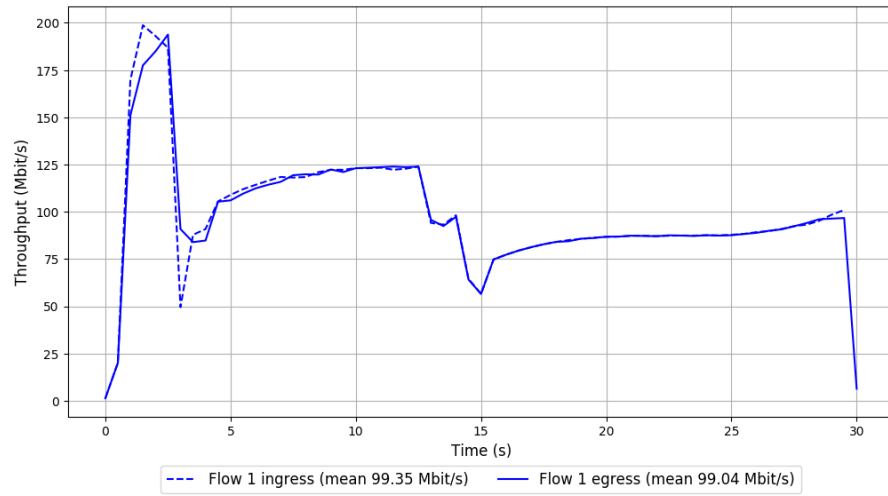
-- Flow 1:

Average throughput: 99.04 Mbit/s

95th percentile per-packet one-way delay: 68.584 ms

Loss rate: 0.32%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 06:46:10

End at: 2018-01-26 06:46:40

Below is generated by plot.py at 2018-01-26 08:28:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.28 Mbit/s

95th percentile per-packet one-way delay: 70.125 ms

Loss rate: 0.31%

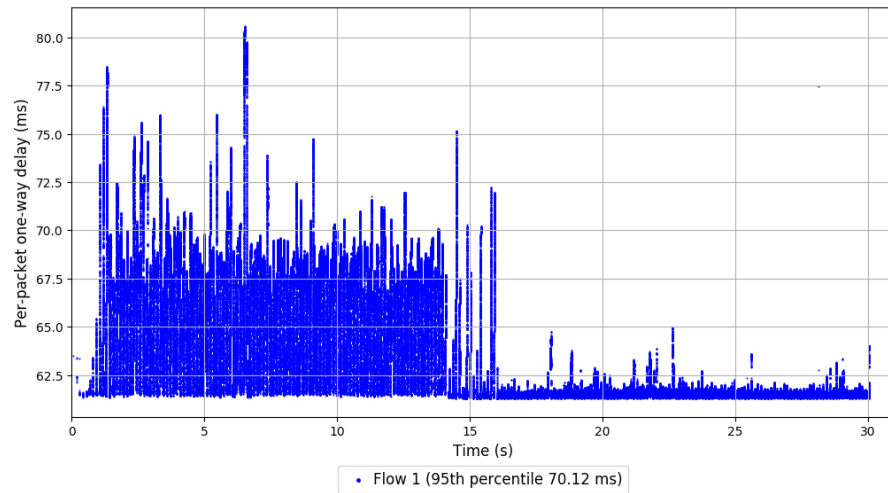
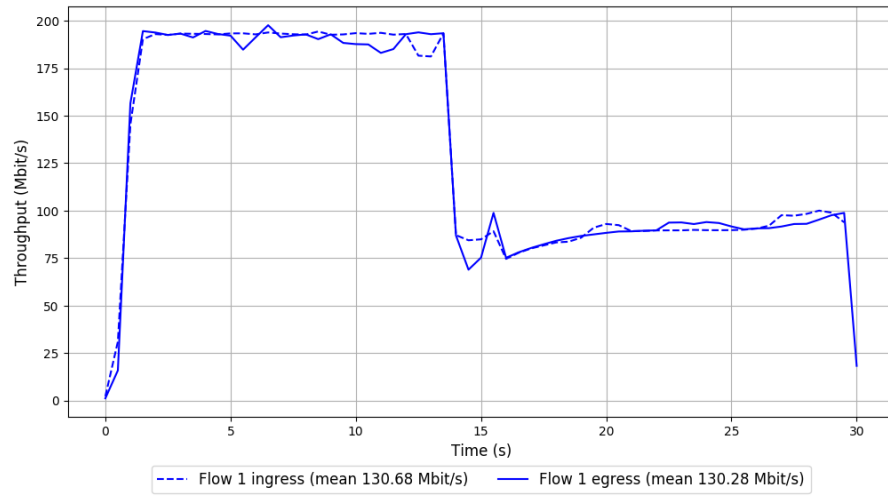
-- Flow 1:

Average throughput: 130.28 Mbit/s

95th percentile per-packet one-way delay: 70.125 ms

Loss rate: 0.31%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 06:58:06

End at: 2018-01-26 06:58:36

Below is generated by plot.py at 2018-01-26 08:28:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.90 Mbit/s

95th percentile per-packet one-way delay: 65.002 ms

Loss rate: 0.04%

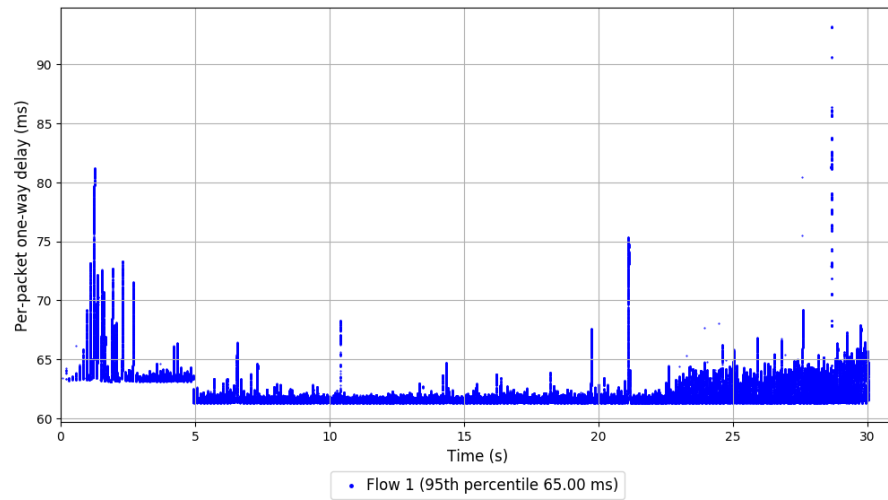
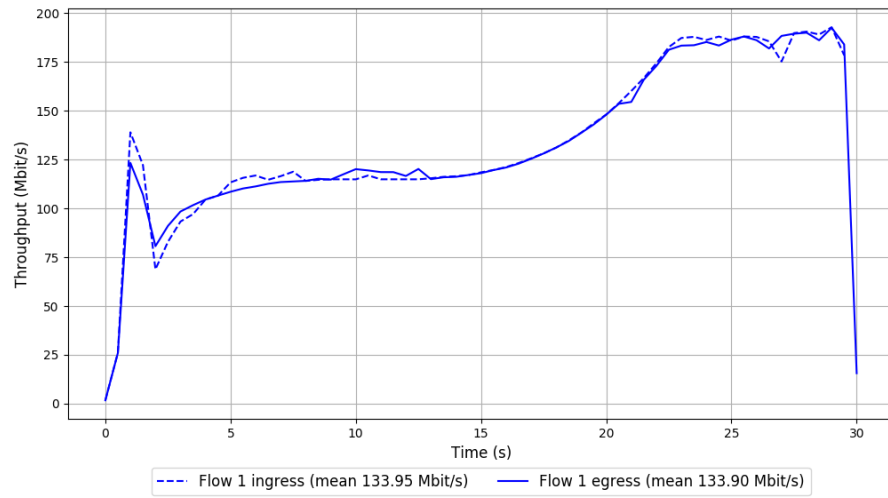
-- Flow 1:

Average throughput: 133.90 Mbit/s

95th percentile per-packet one-way delay: 65.002 ms

Loss rate: 0.04%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 07:10:16

End at: 2018-01-26 07:10:46

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.25 Mbit/s

95th percentile per-packet one-way delay: 69.536 ms

Loss rate: 0.00%

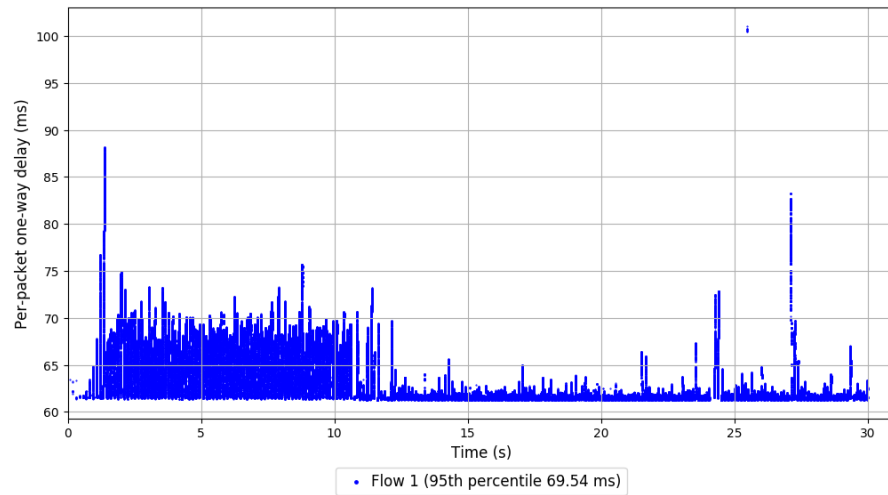
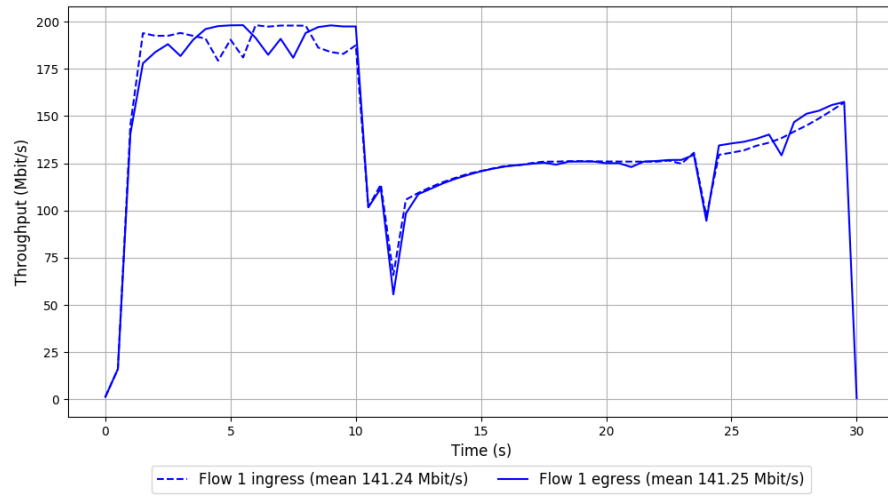
-- Flow 1:

Average throughput: 141.25 Mbit/s

95th percentile per-packet one-way delay: 69.536 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 07:22:13

End at: 2018-01-26 07:22:43

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.50 Mbit/s

95th percentile per-packet one-way delay: 69.090 ms

Loss rate: 1.12%

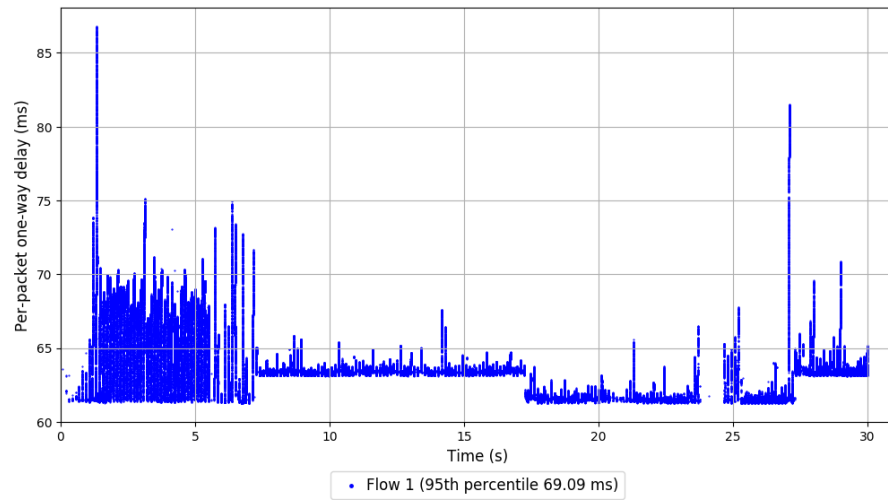
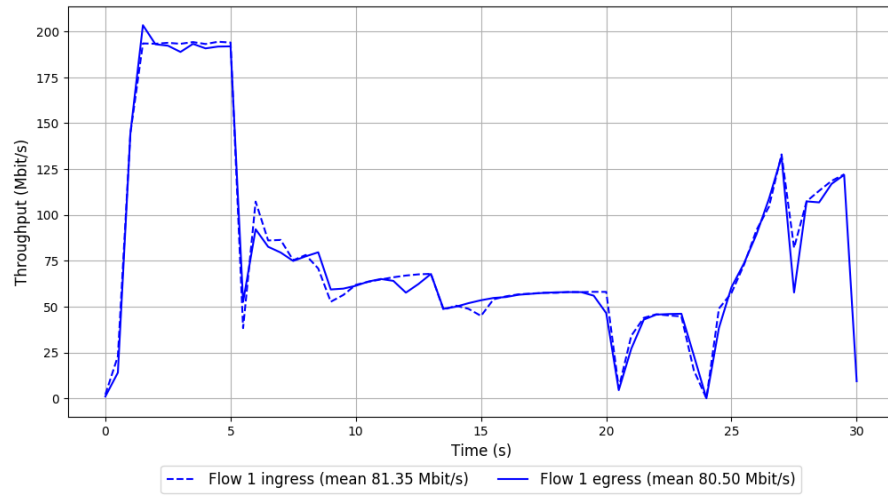
-- Flow 1:

Average throughput: 80.50 Mbit/s

95th percentile per-packet one-way delay: 69.090 ms

Loss rate: 1.12%

Run 10: Report of TCP Cubic — Data Link

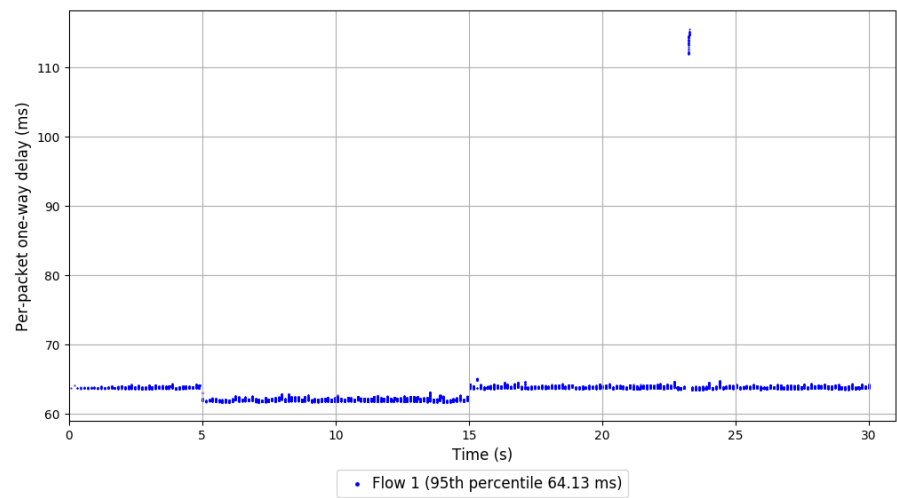
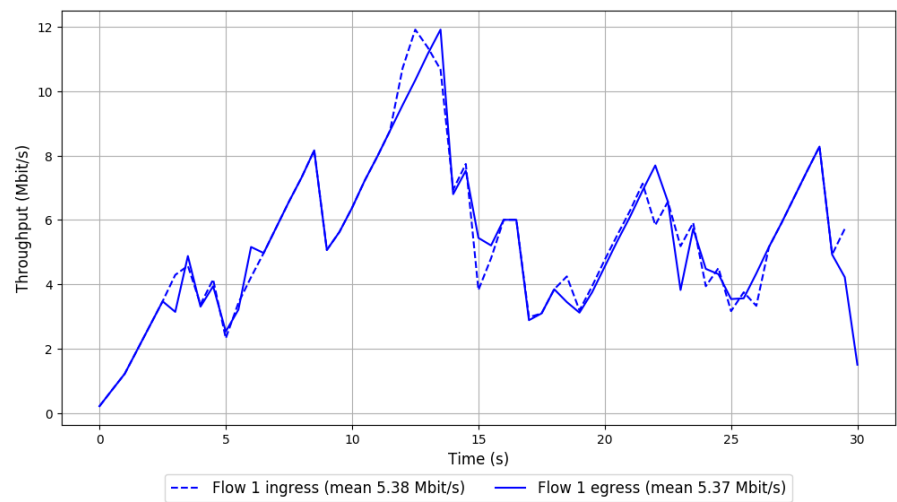


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-26 05:38:56
End at: 2018-01-26 05:39:26

# Below is generated by plot.py at 2018-01-26 08:28:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 64.134 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 64.134 ms
Loss rate: 0.09%
```


Run 1: Report of LEDBAT — Data Link

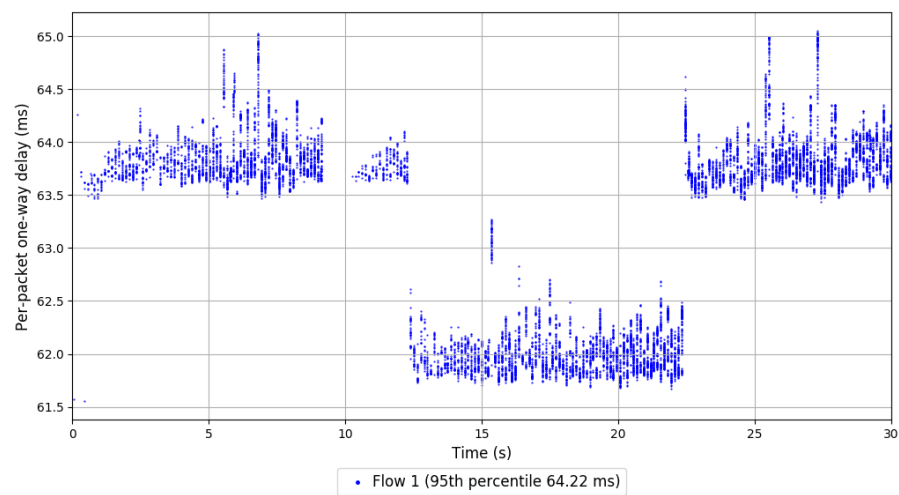
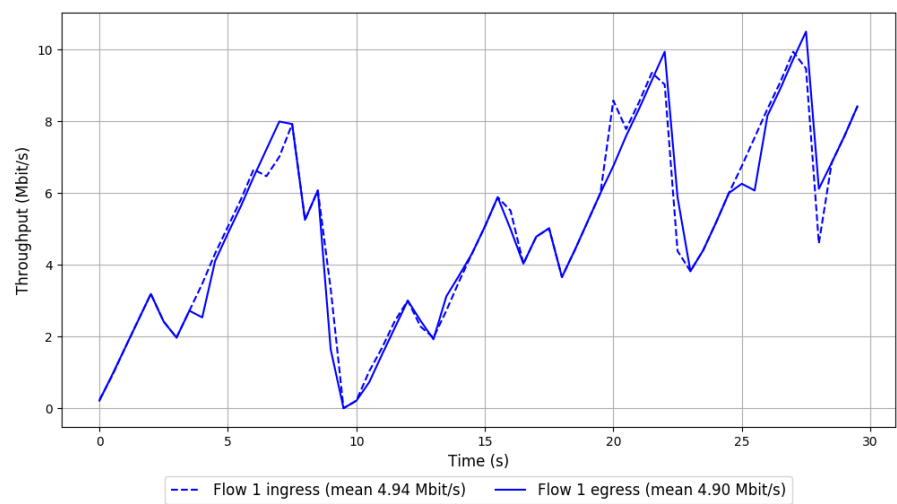


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-26 05:50:58
End at: 2018-01-26 05:51:28

# Below is generated by plot.py at 2018-01-26 08:28:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 64.221 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 64.221 ms
Loss rate: 0.75%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-26 06:03:01

End at: 2018-01-26 06:03:31

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 62.412 ms

Loss rate: 1.66%

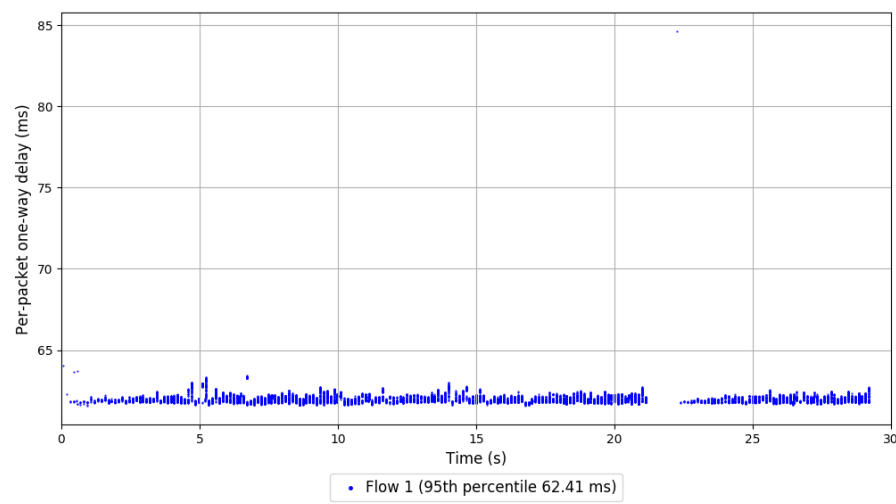
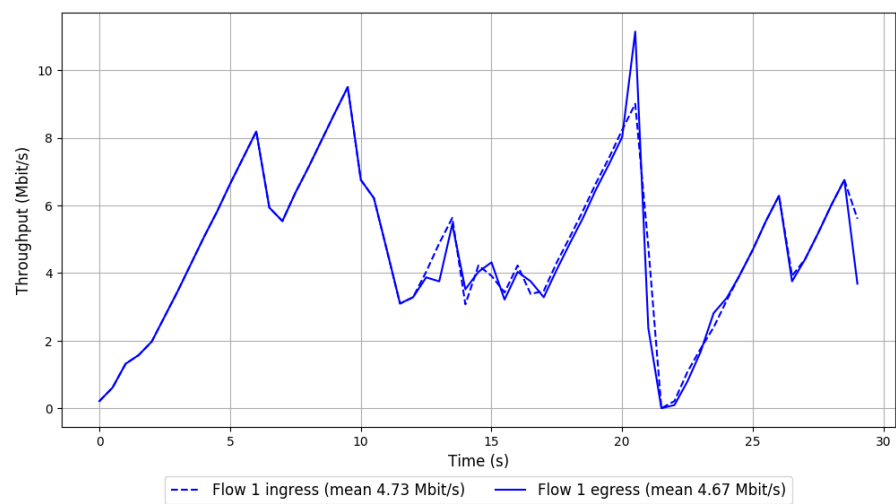
-- Flow 1:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 62.412 ms

Loss rate: 1.66%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-26 06:15:03

End at: 2018-01-26 06:15:33

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 63.845 ms

Loss rate: 0.55%

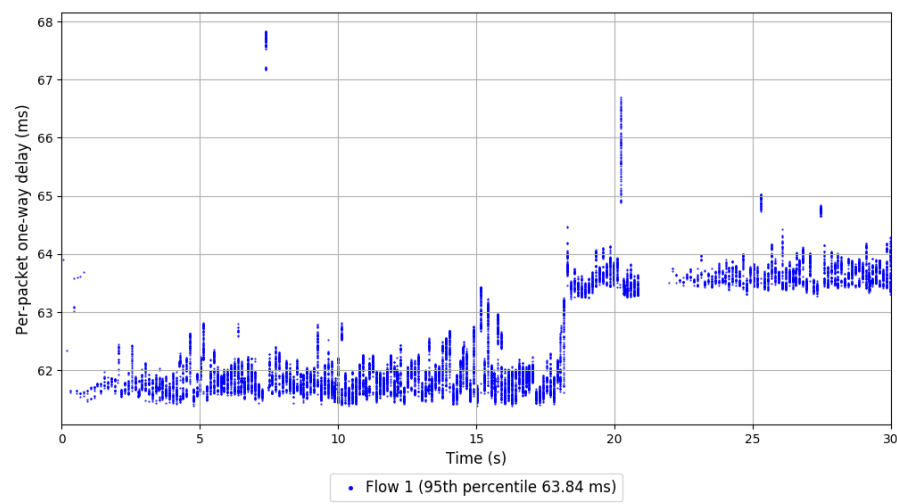
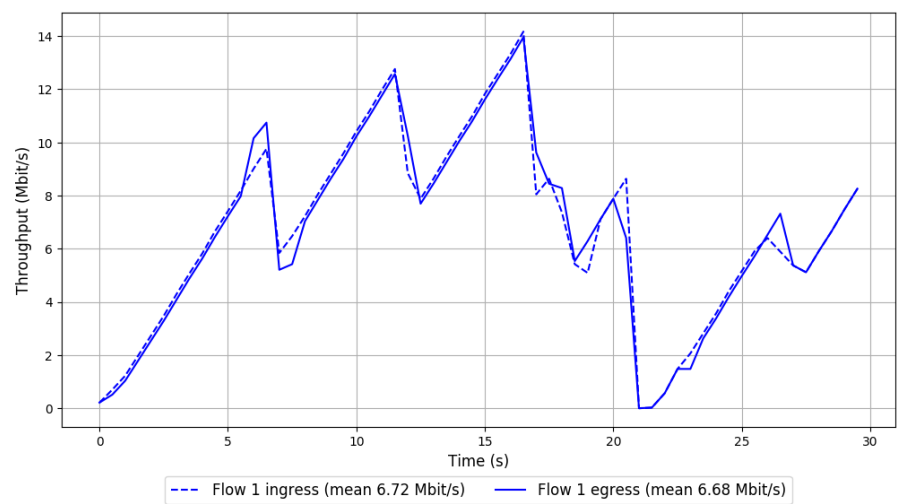
-- Flow 1:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 63.845 ms

Loss rate: 0.55%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-26 06:26:50

End at: 2018-01-26 06:27:20

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 64.238 ms

Loss rate: 0.00%

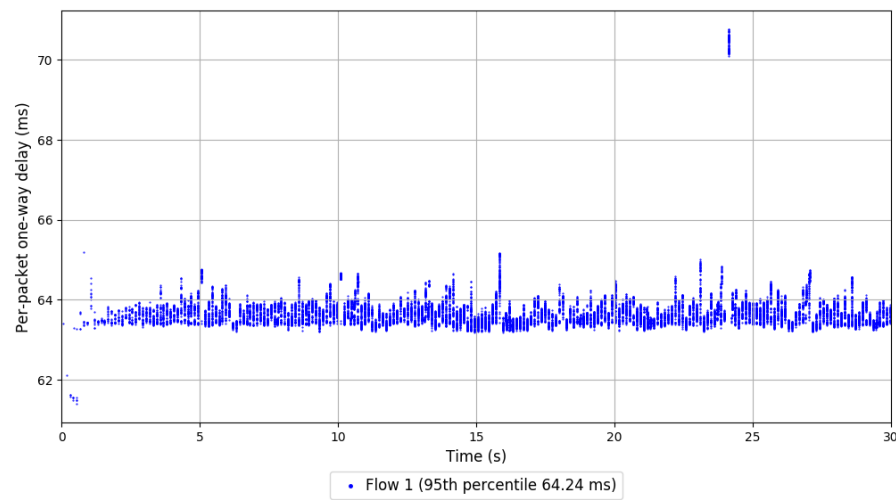
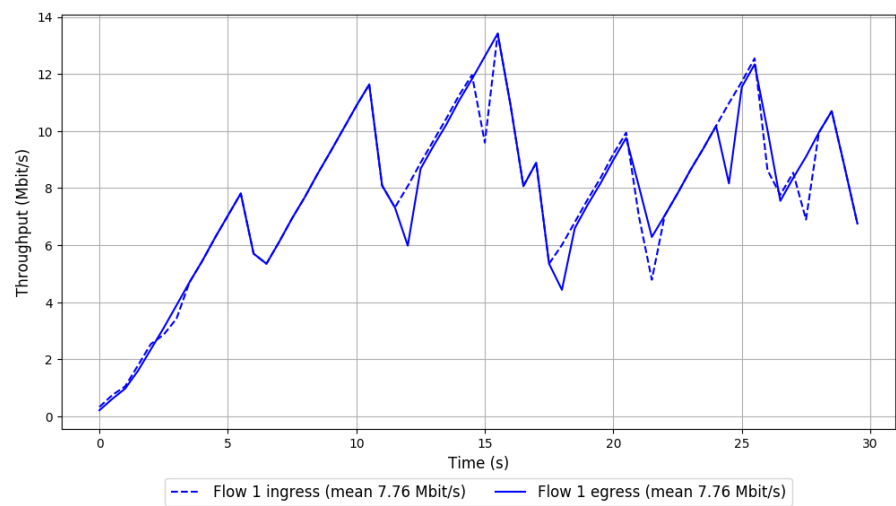
-- Flow 1:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 64.238 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-26 06:38:41

End at: 2018-01-26 06:39:11

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 63.634 ms

Loss rate: 1.12%

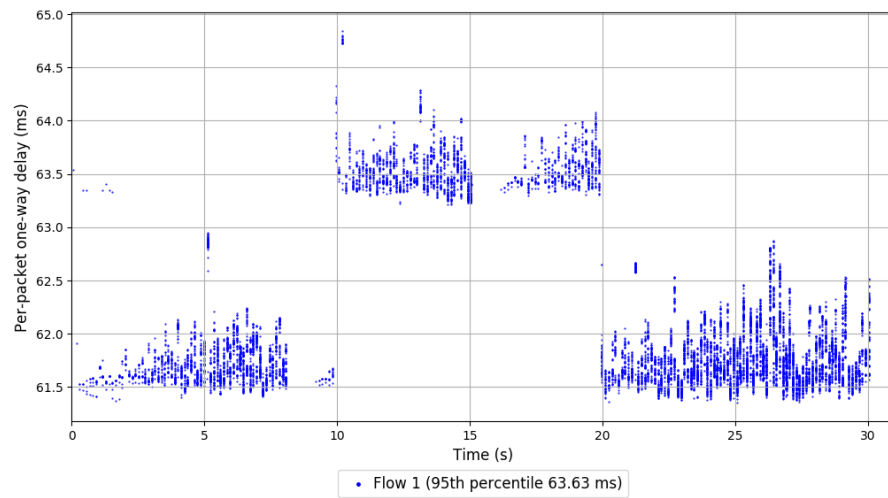
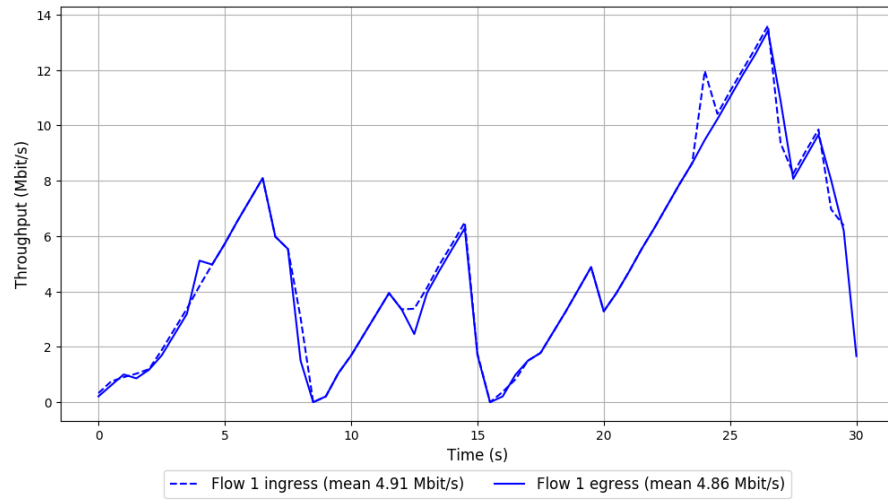
-- Flow 1:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 63.634 ms

Loss rate: 1.12%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-26 06:50:31

End at: 2018-01-26 06:51:01

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 62.108 ms

Loss rate: 0.09%

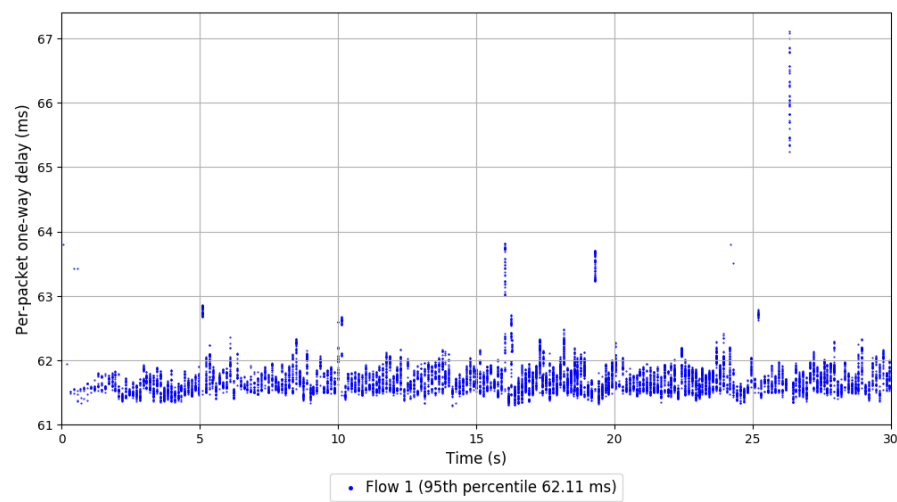
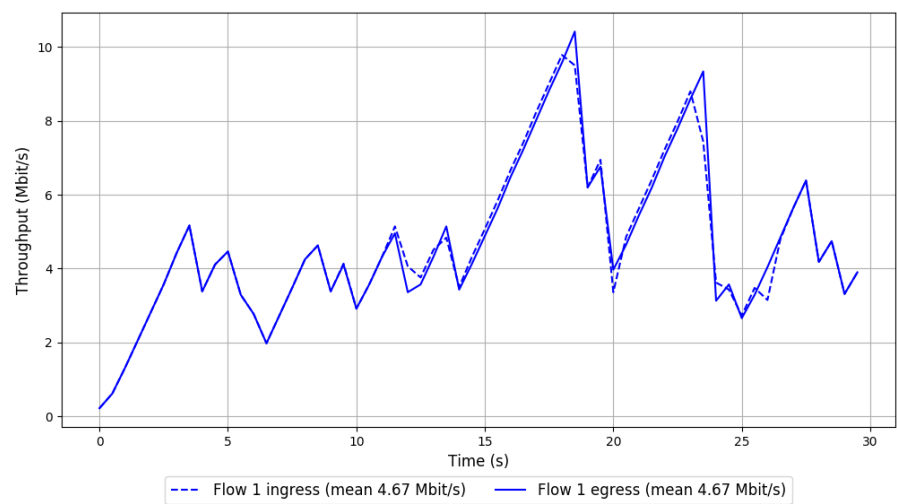
-- Flow 1:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 62.108 ms

Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-26 07:02:41

End at: 2018-01-26 07:03:11

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 63.746 ms

Loss rate: 0.62%

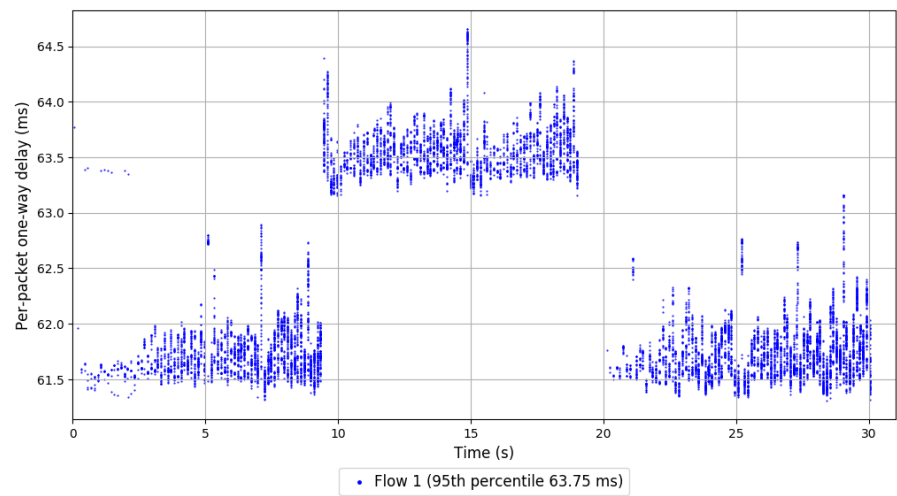
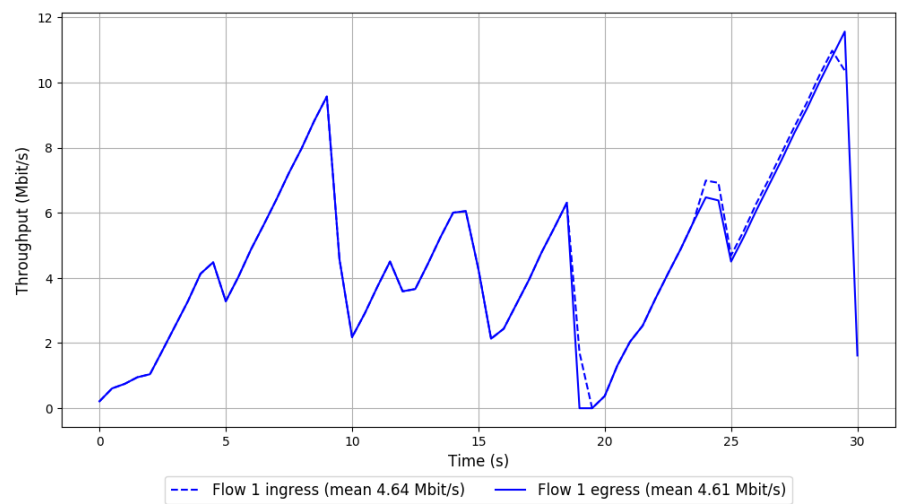
-- Flow 1:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 63.746 ms

Loss rate: 0.62%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-26 07:14:39

End at: 2018-01-26 07:15:09

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 64.399 ms

Loss rate: 1.80%

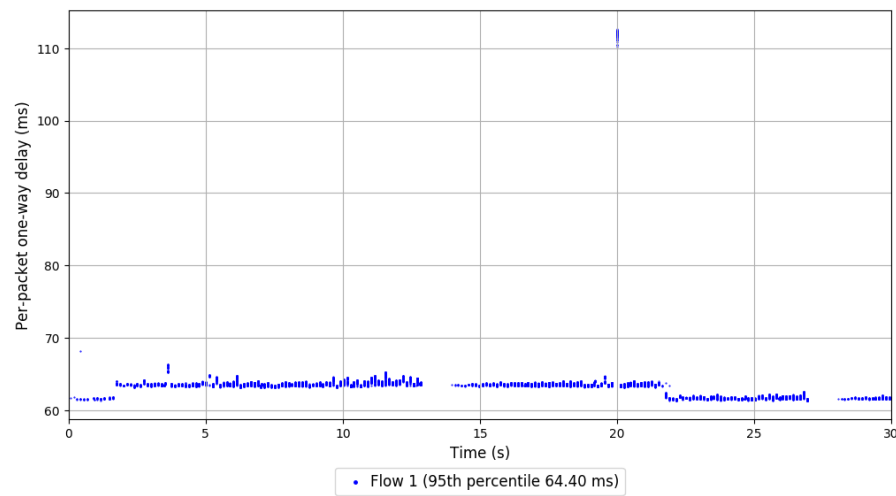
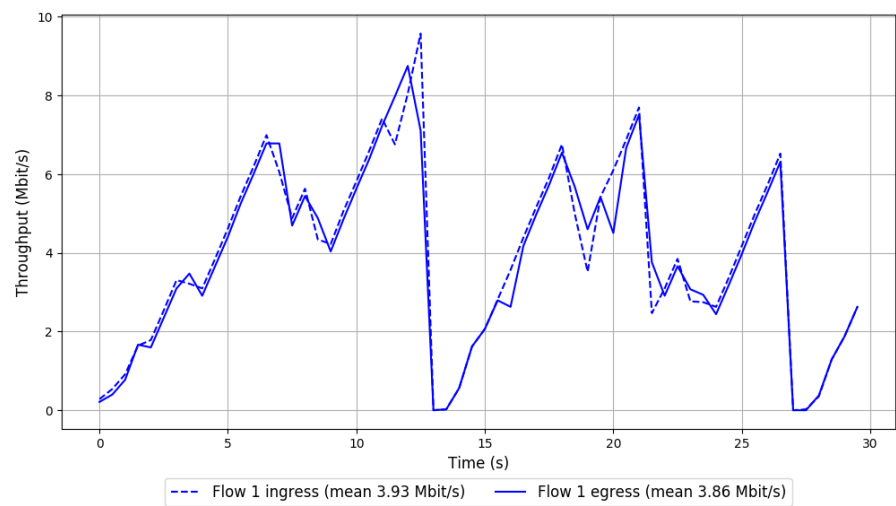
-- Flow 1:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 64.399 ms

Loss rate: 1.80%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-26 07:26:33

End at: 2018-01-26 07:27:03

Below is generated by plot.py at 2018-01-26 08:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 62.556 ms

Loss rate: 0.33%

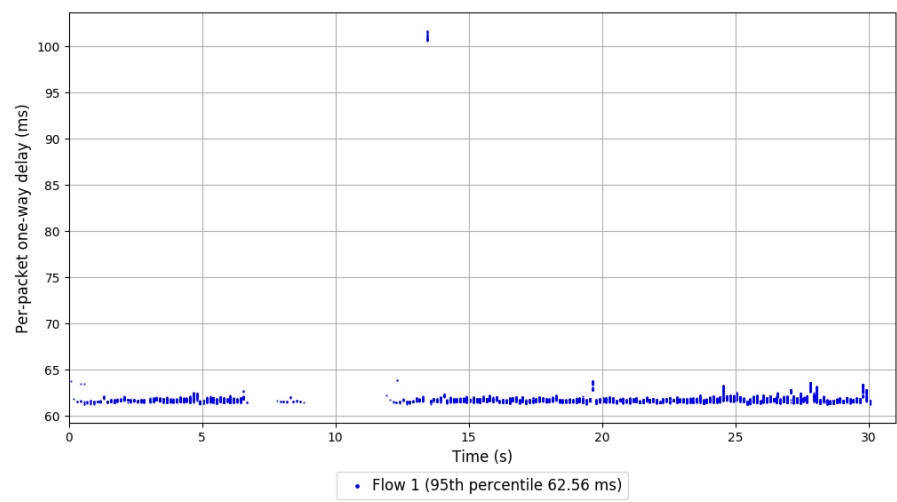
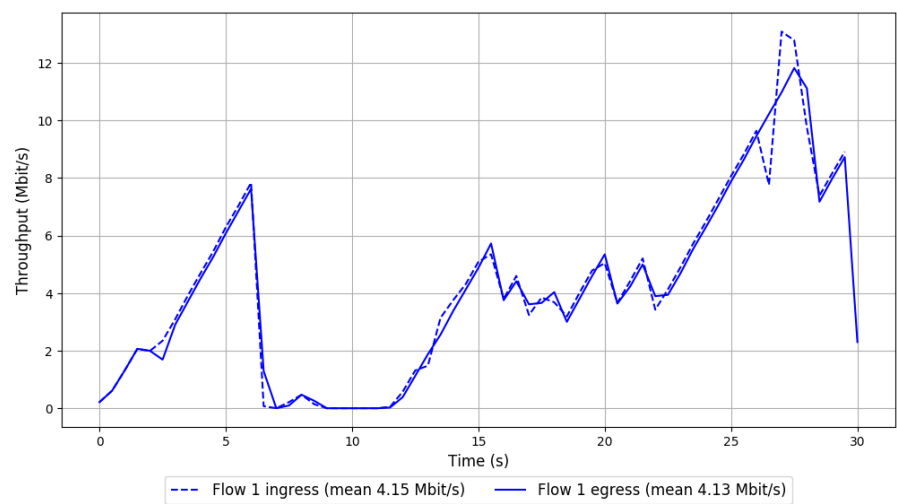
-- Flow 1:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 62.556 ms

Loss rate: 0.33%

Run 10: Report of LEDBAT — Data Link

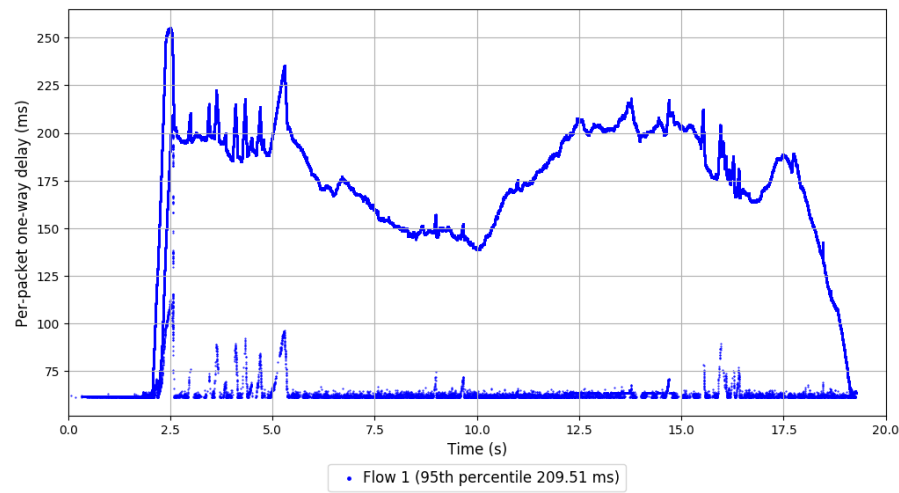
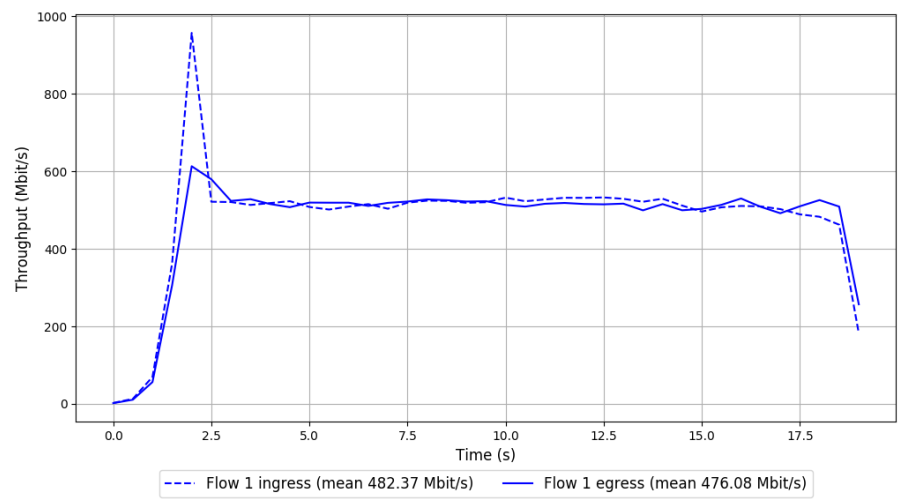


Run 1: Statistics of PCC

Start at: 2018-01-26 05:40:19

End at: 2018-01-26 05:40:49

Run 1: Report of PCC — Data Link

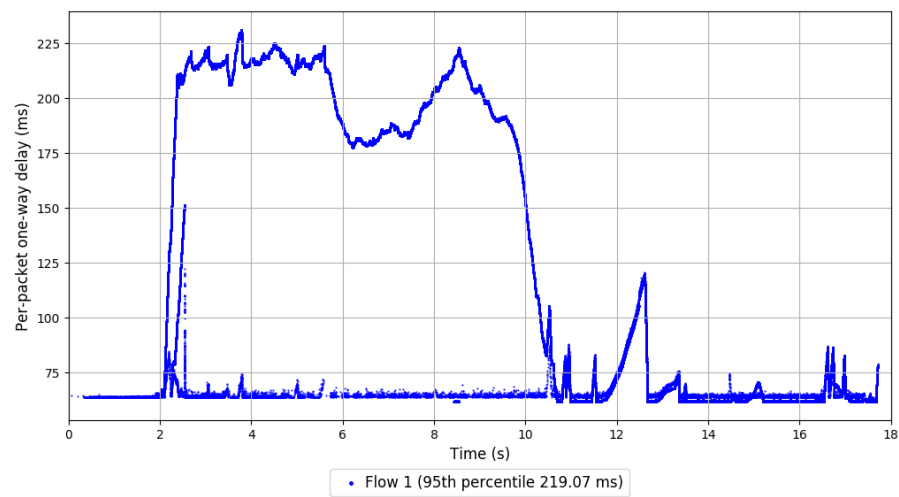
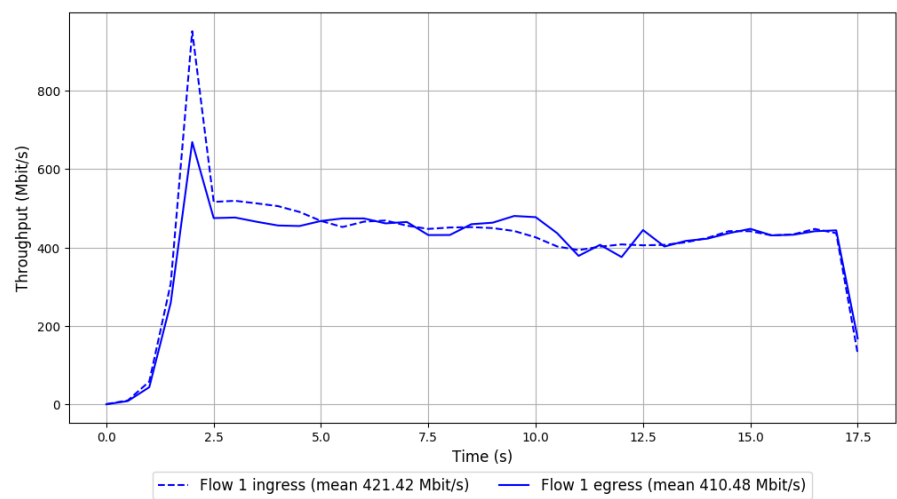


Run 2: Statistics of PCC

Start at: 2018-01-26 05:52:21

End at: 2018-01-26 05:52:51

Run 2: Report of PCC — Data Link

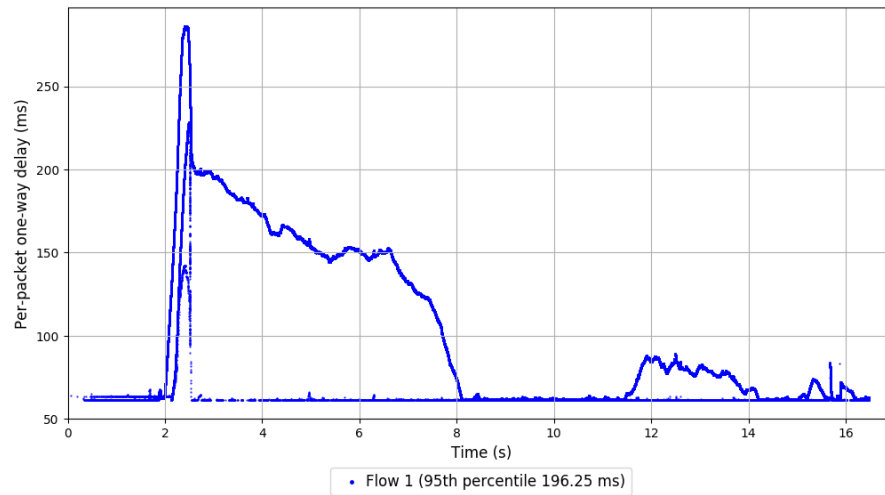
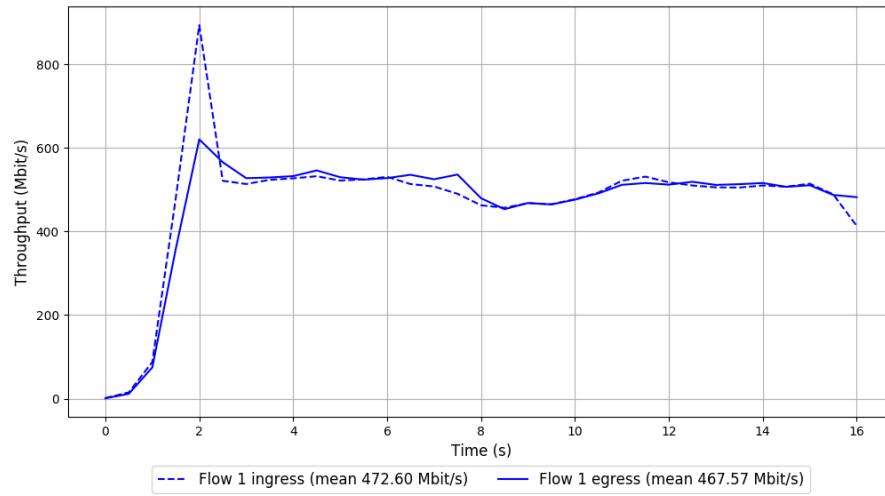


Run 3: Statistics of PCC

Start at: 2018-01-26 06:04:25

End at: 2018-01-26 06:04:55

Run 3: Report of PCC — Data Link

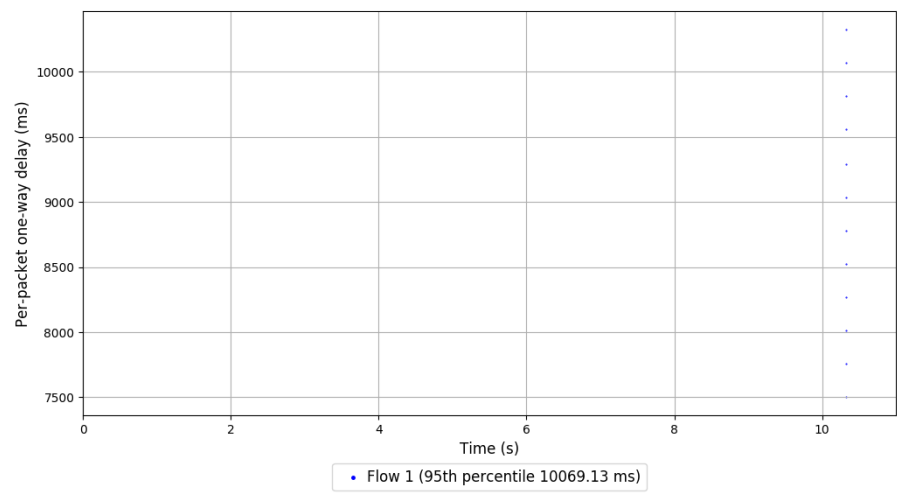
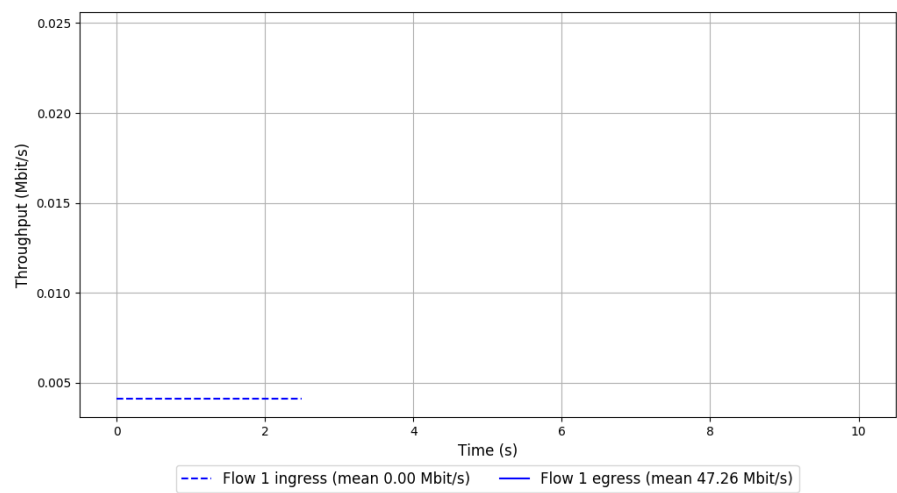


Run 4: Statistics of PCC

Start at: 2018-01-26 06:16:26

End at: 2018-01-26 06:16:56

Run 4: Report of PCC — Data Link

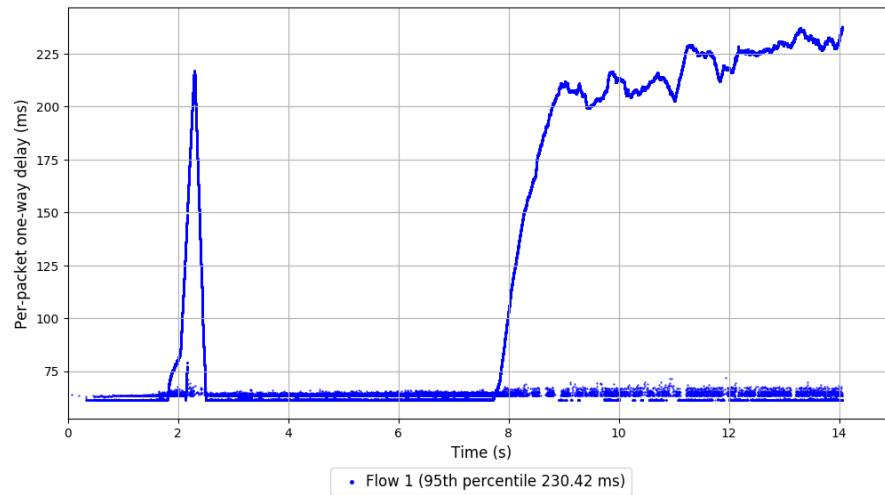
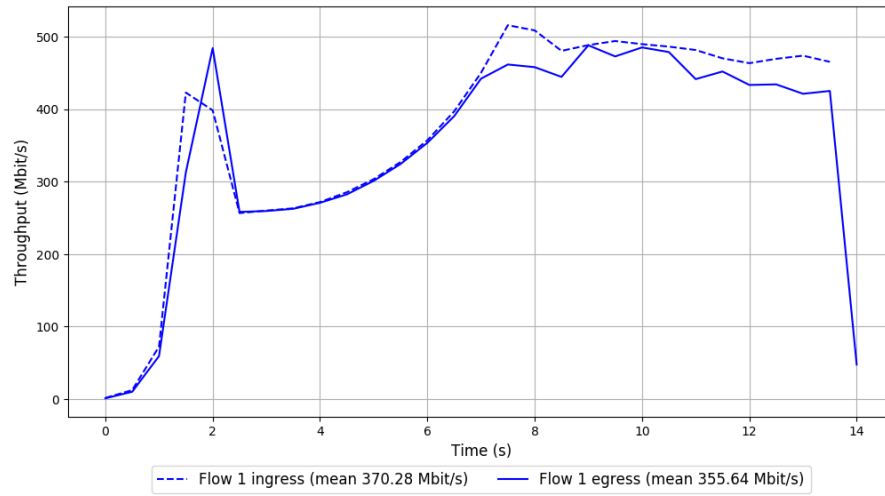


Run 5: Statistics of PCC

Start at: 2018-01-26 06:28:14

End at: 2018-01-26 06:28:44

Run 5: Report of PCC — Data Link

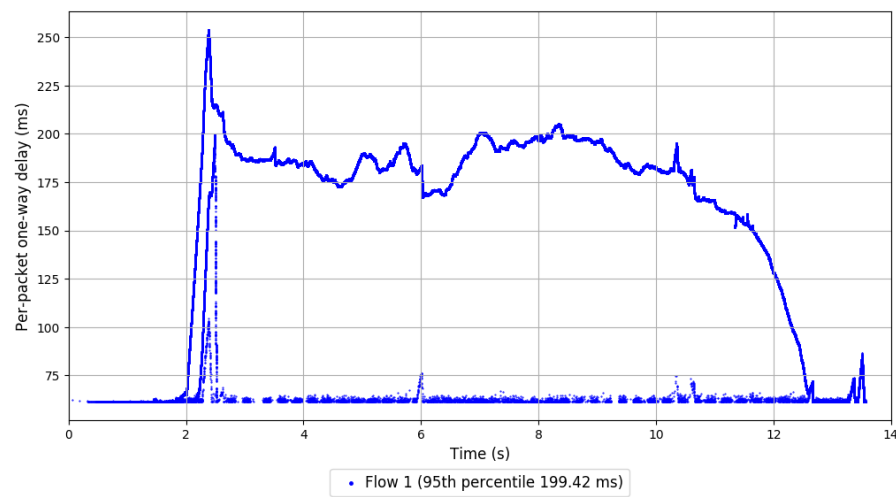
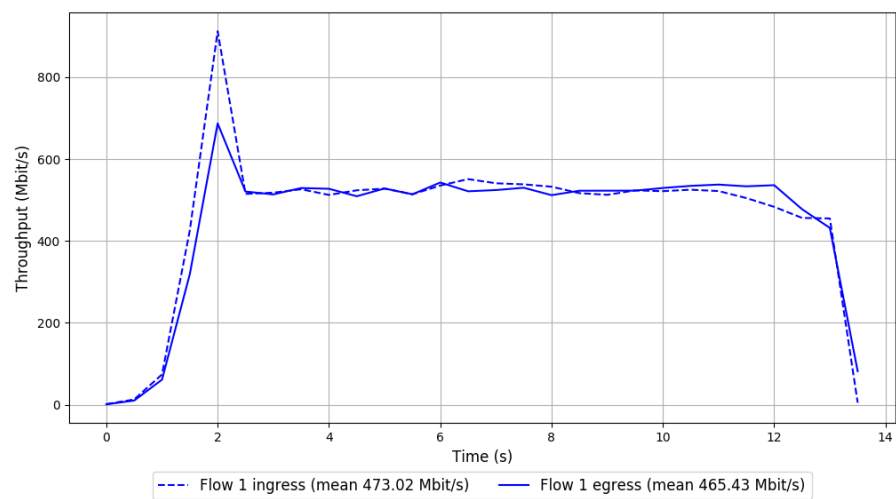


Run 6: Statistics of PCC

Start at: 2018-01-26 06:40:04

End at: 2018-01-26 06:40:34

Run 6: Report of PCC — Data Link

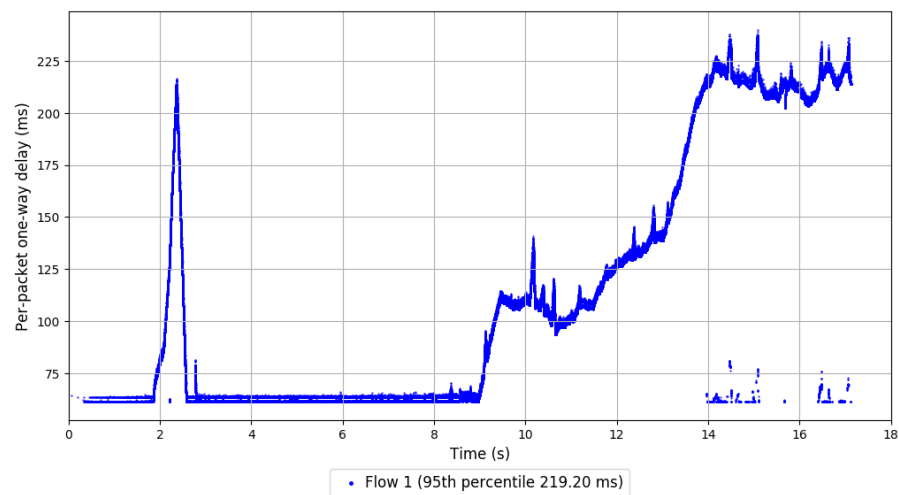
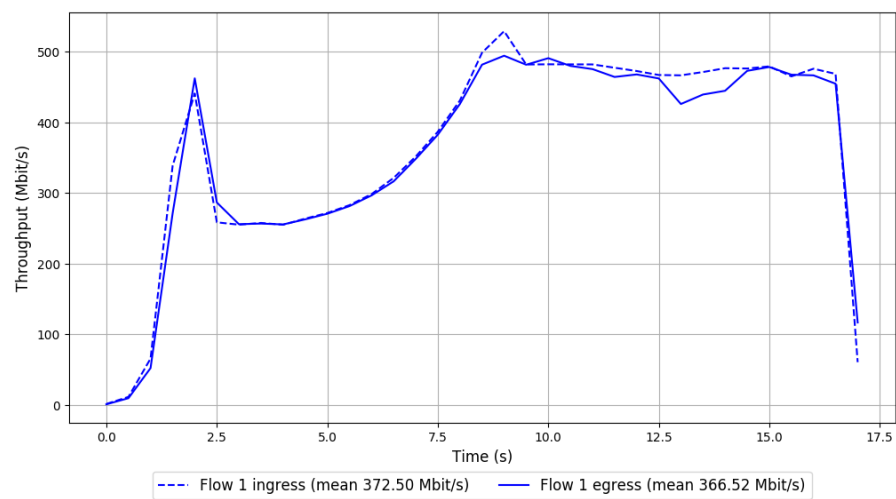


Run 7: Statistics of PCC

Start at: 2018-01-26 06:51:54

End at: 2018-01-26 06:52:24

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-26 07:04:04

End at: 2018-01-26 07:04:34

Below is generated by plot.py at 2018-01-26 08:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.58 Mbit/s

95th percentile per-packet one-way delay: 99.954 ms

Loss rate: 0.04%

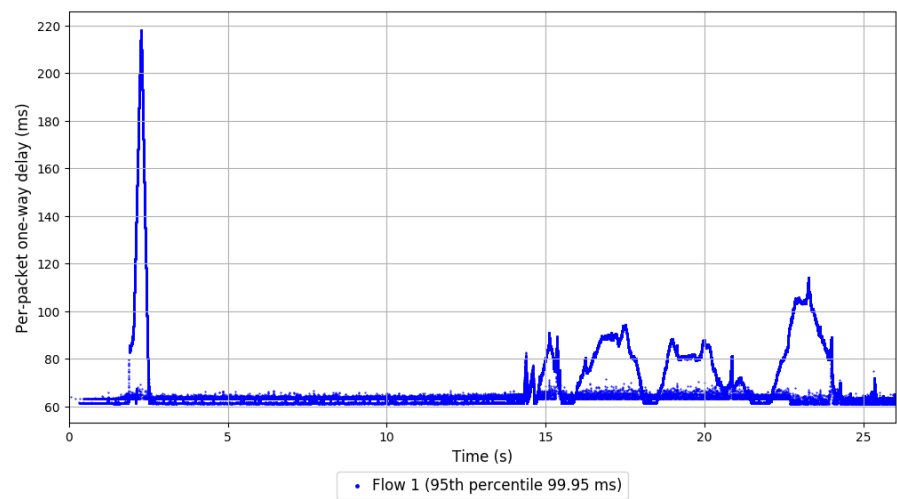
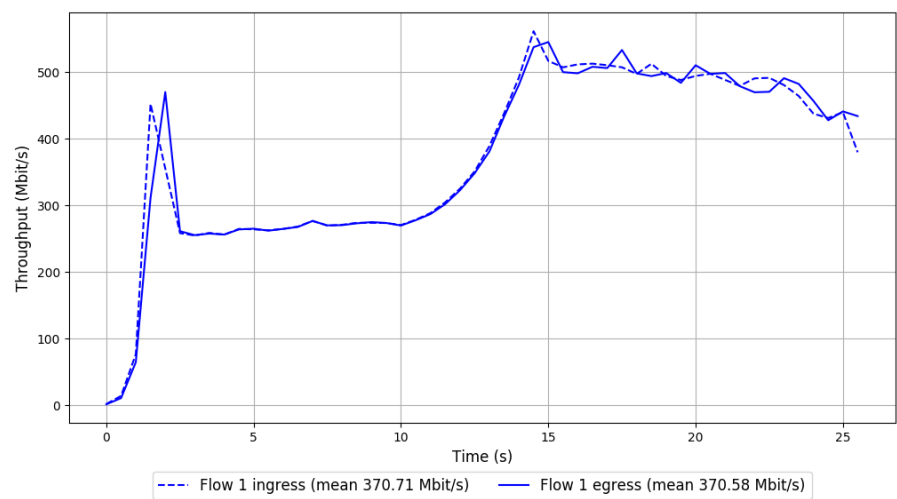
-- Flow 1:

Average throughput: 370.58 Mbit/s

95th percentile per-packet one-way delay: 99.954 ms

Loss rate: 0.04%

Run 8: Report of PCC — Data Link

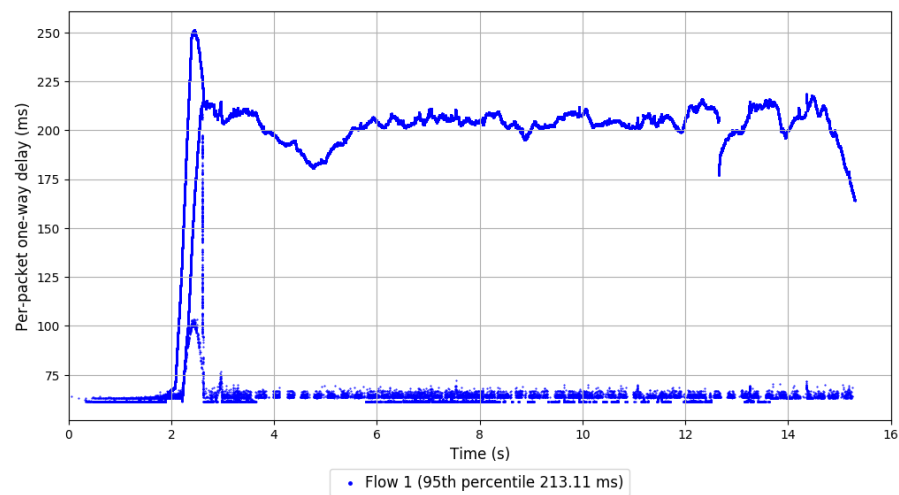
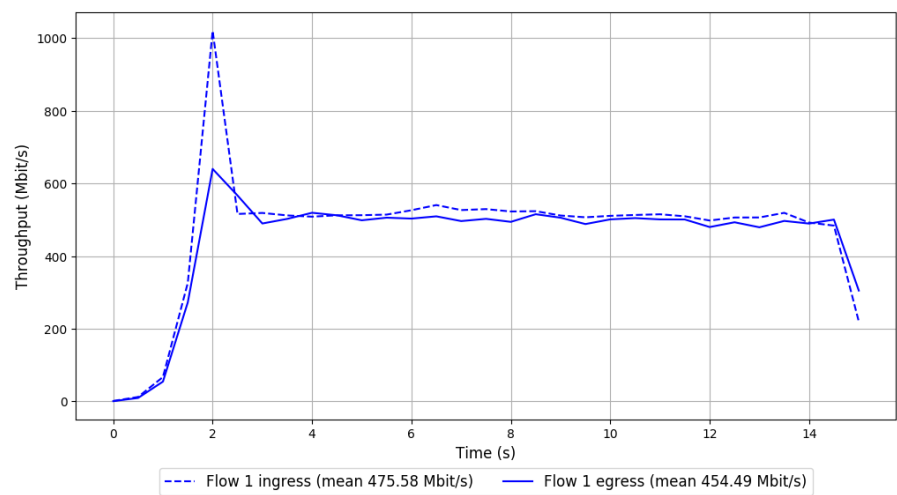


Run 9: Statistics of PCC

Start at: 2018-01-26 07:16:02

End at: 2018-01-26 07:16:32

Run 9: Report of PCC — Data Link

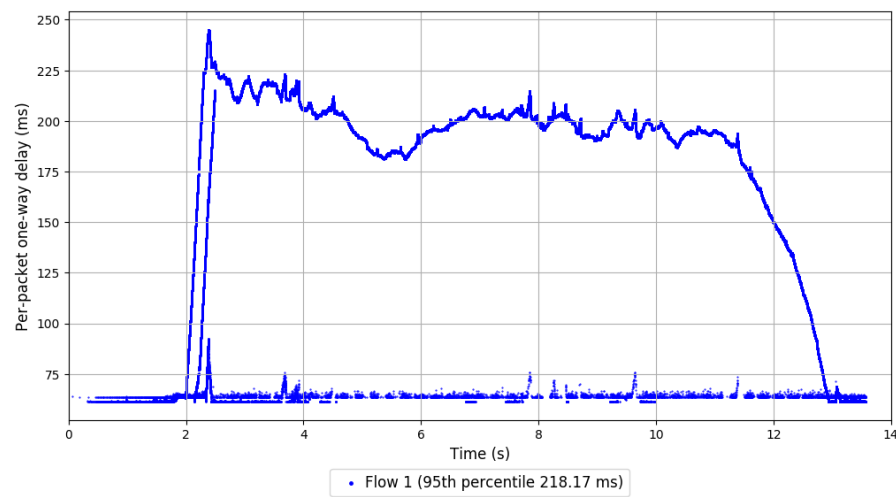
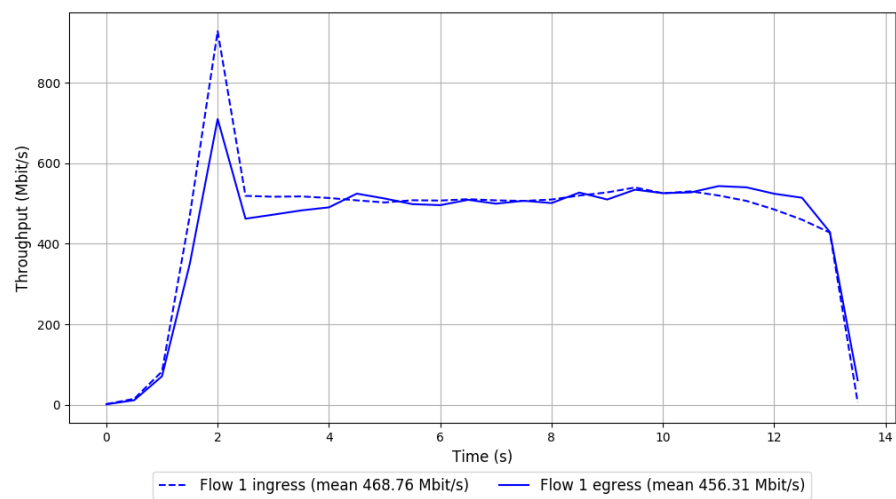


Run 10: Statistics of PCC

Start at: 2018-01-26 07:27:55

End at: 2018-01-26 07:28:25

Run 10: Report of PCC — Data Link

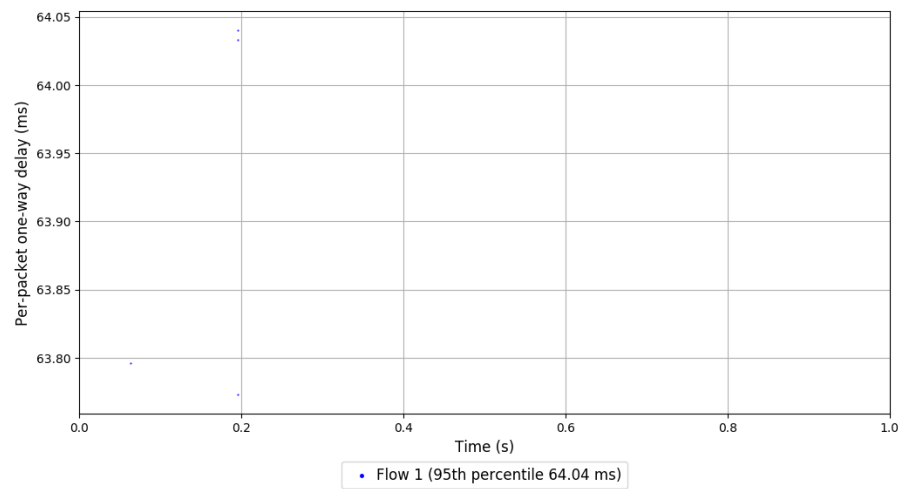
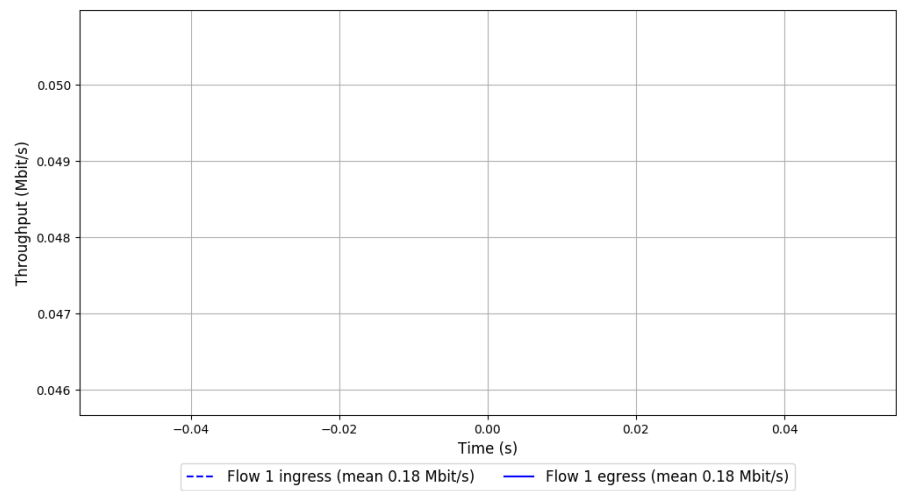


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-26 05:37:24

End at: 2018-01-26 05:37:54

Run 1: Report of QUIC Cubic — Data Link

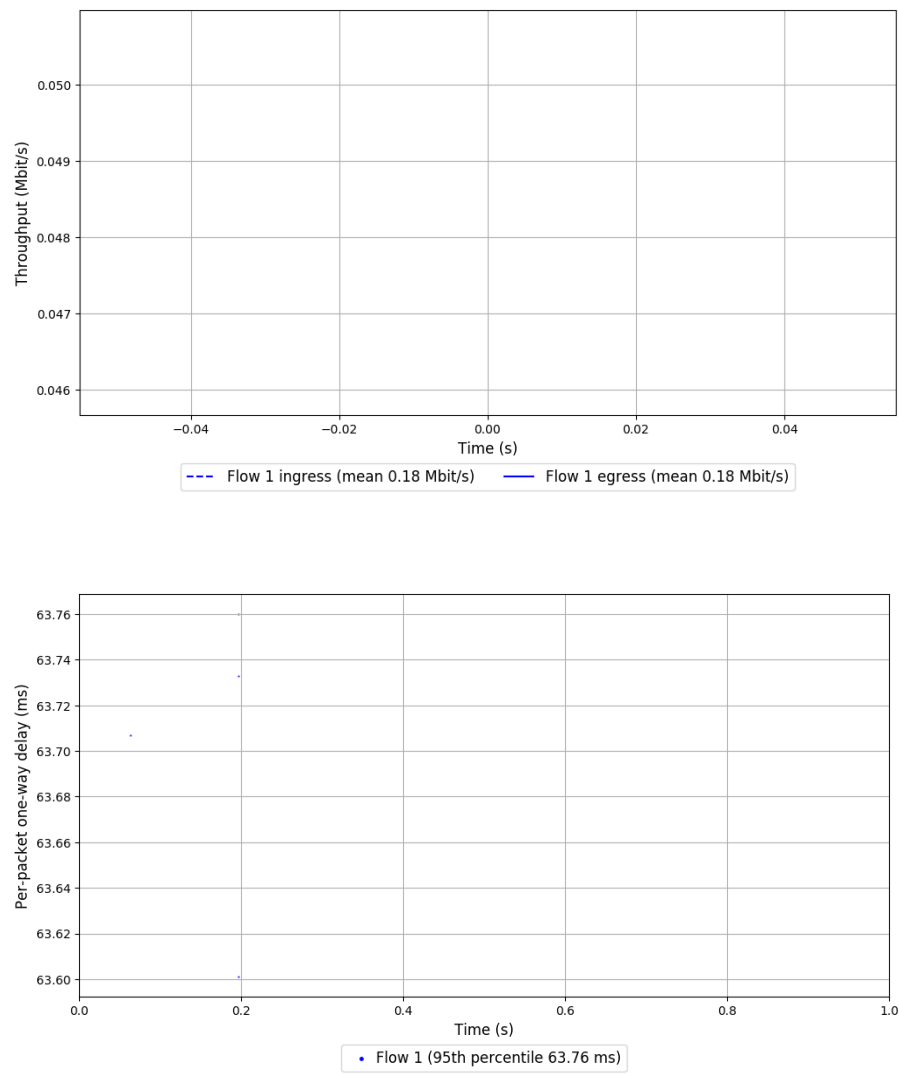


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-26 05:49:27

End at: 2018-01-26 05:49:57

Run 2: Report of QUIC Cubic — Data Link

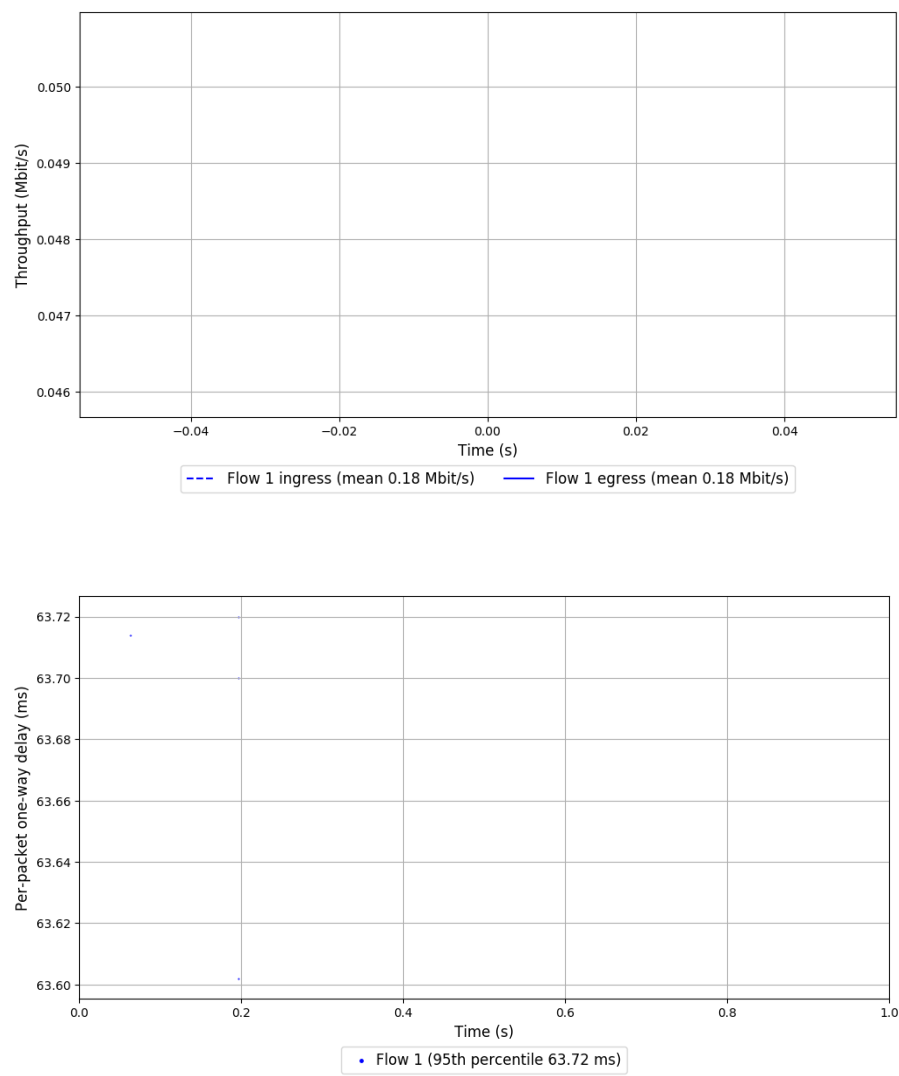


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-26 06:01:29

End at: 2018-01-26 06:01:59

Run 3: Report of QUIC Cubic — Data Link

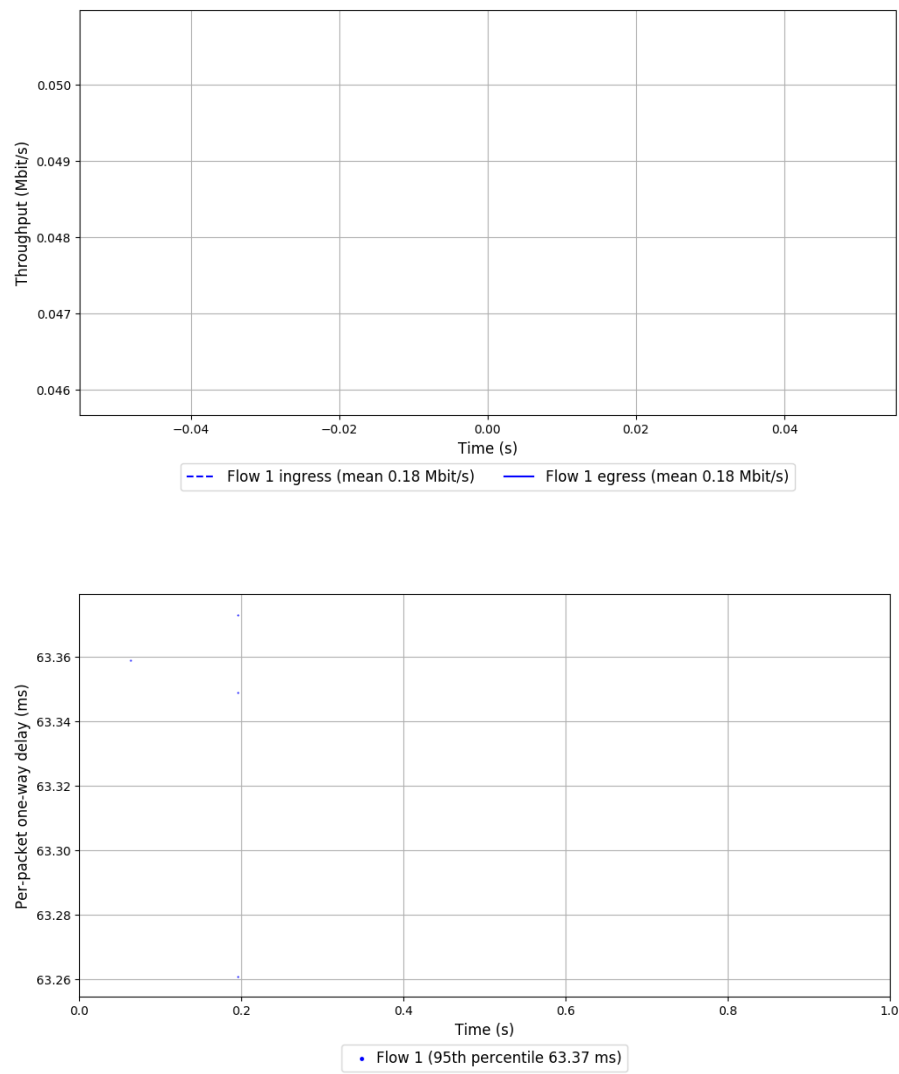


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-26 06:13:40

End at: 2018-01-26 06:14:10

Run 4: Report of QUIC Cubic — Data Link

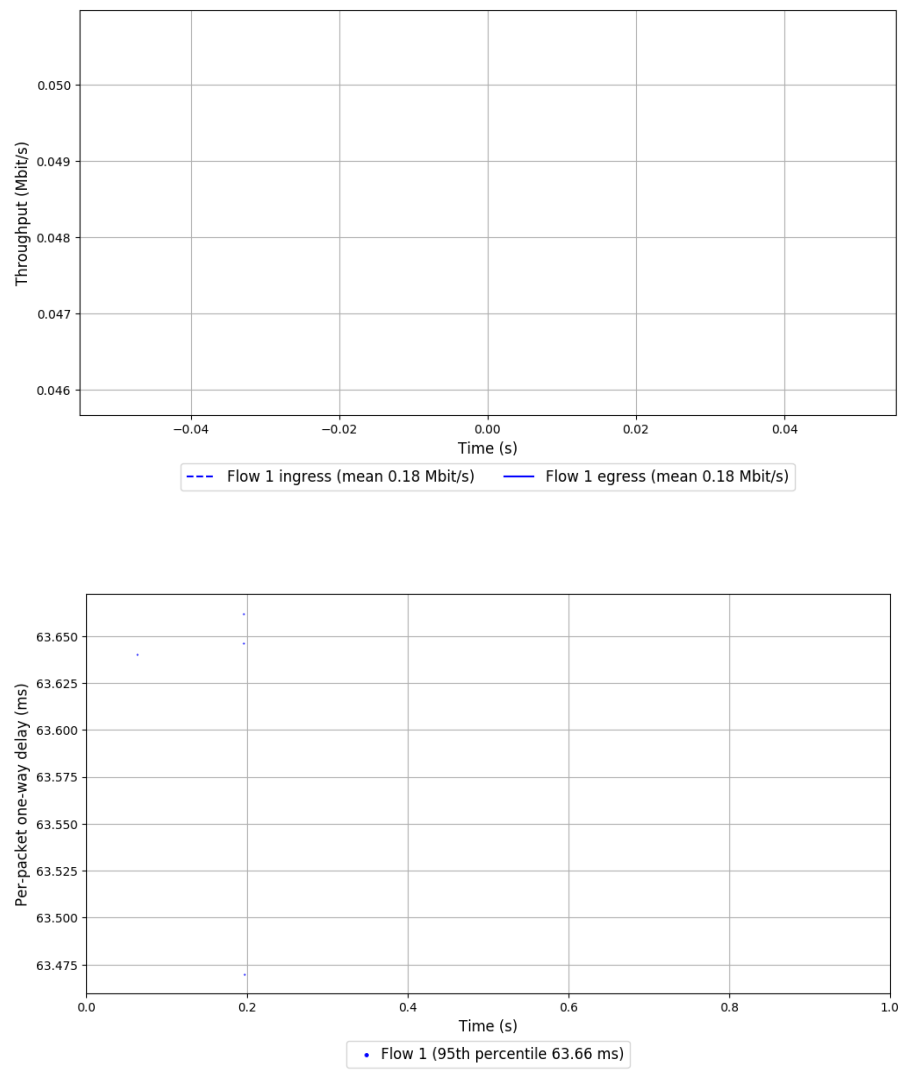


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-26 06:25:27

End at: 2018-01-26 06:25:57

Run 5: Report of QUIC Cubic — Data Link

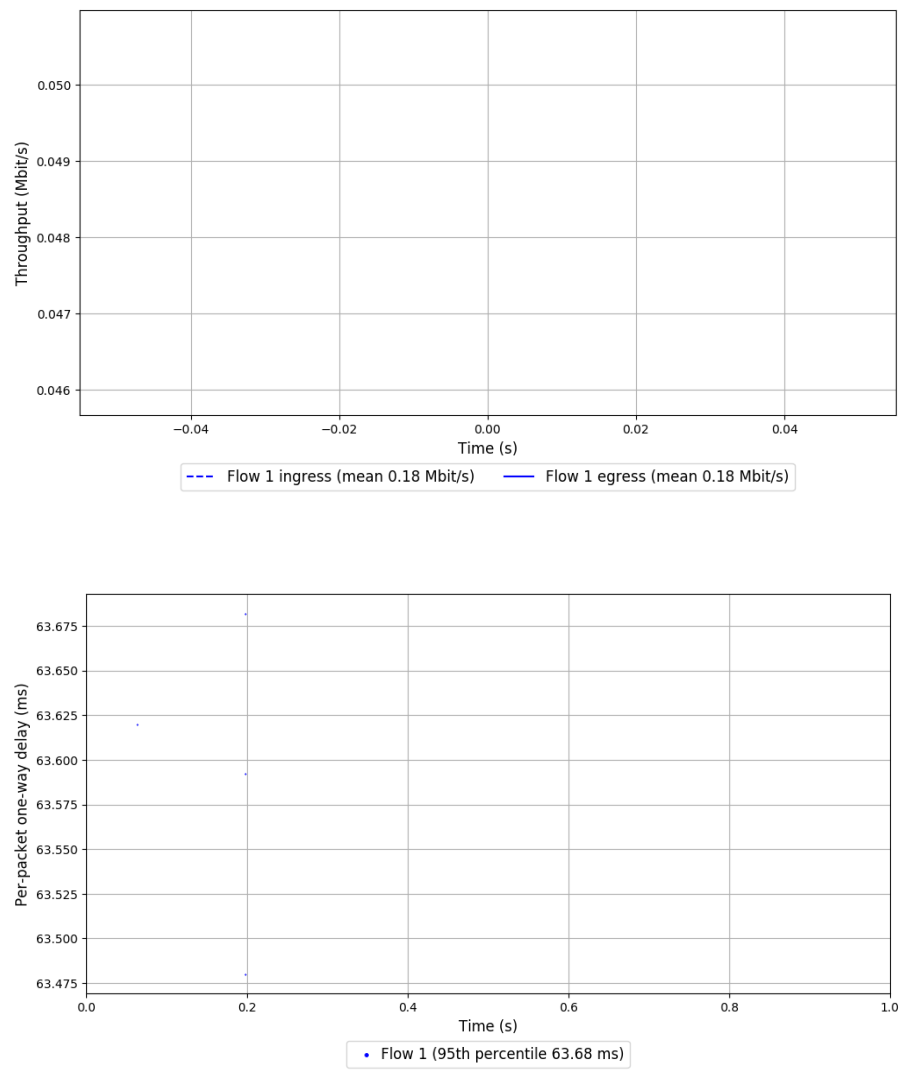


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-26 06:37:16

End at: 2018-01-26 06:37:46

Run 6: Report of QUIC Cubic — Data Link

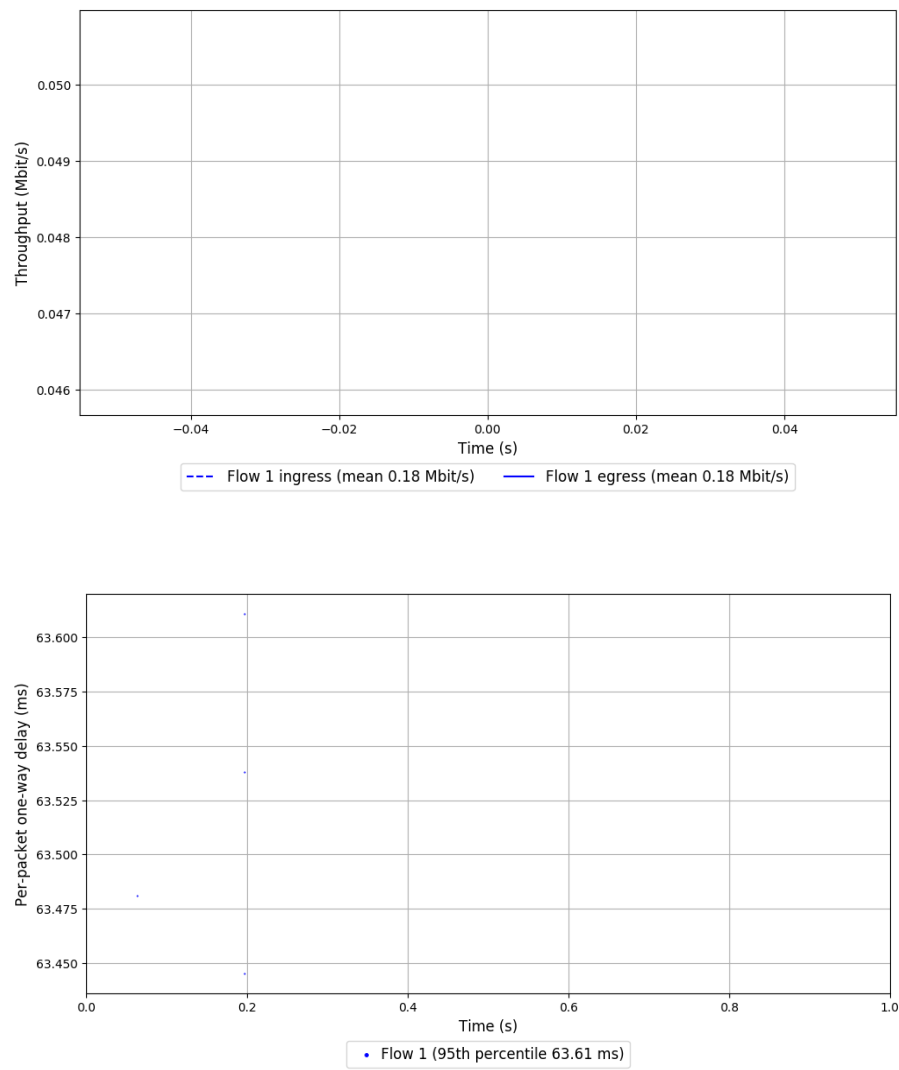


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-26 06:49:04

End at: 2018-01-26 06:49:34

Run 7: Report of QUIC Cubic — Data Link

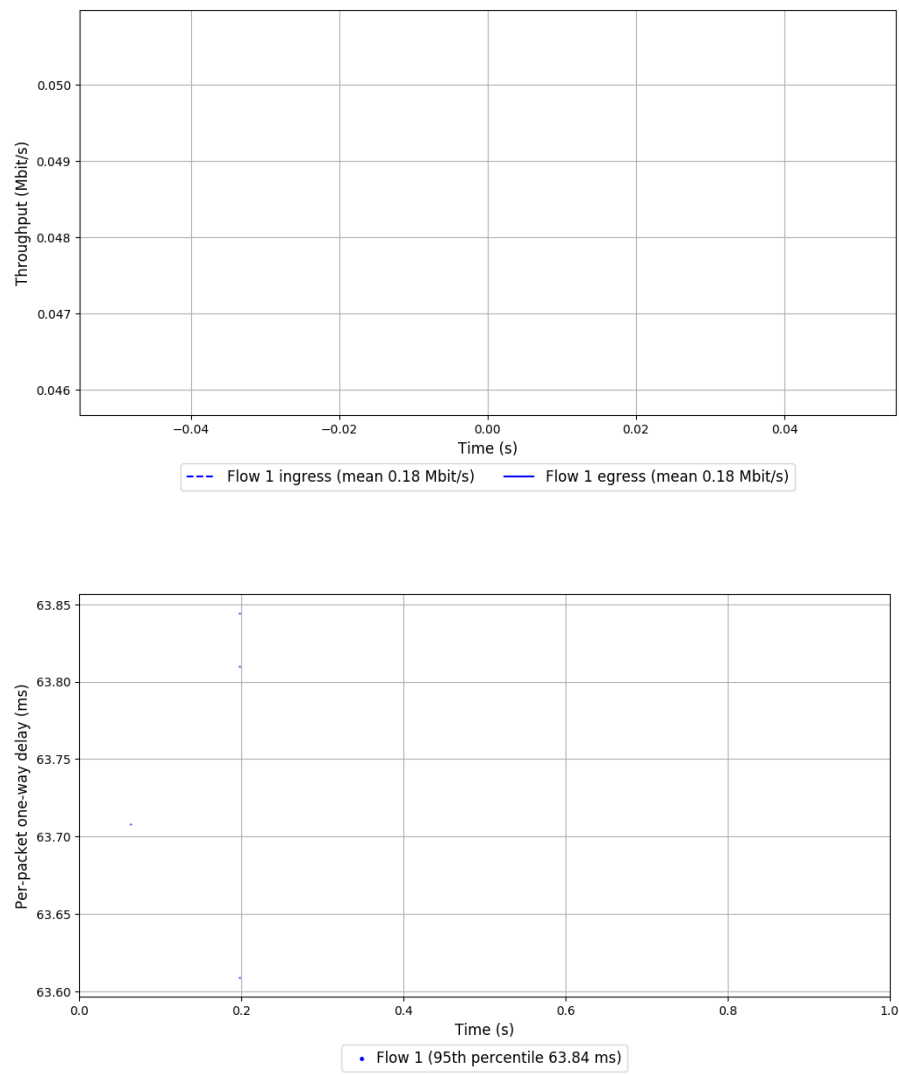


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-26 07:01:05

End at: 2018-01-26 07:01:35

Run 8: Report of QUIC Cubic — Data Link

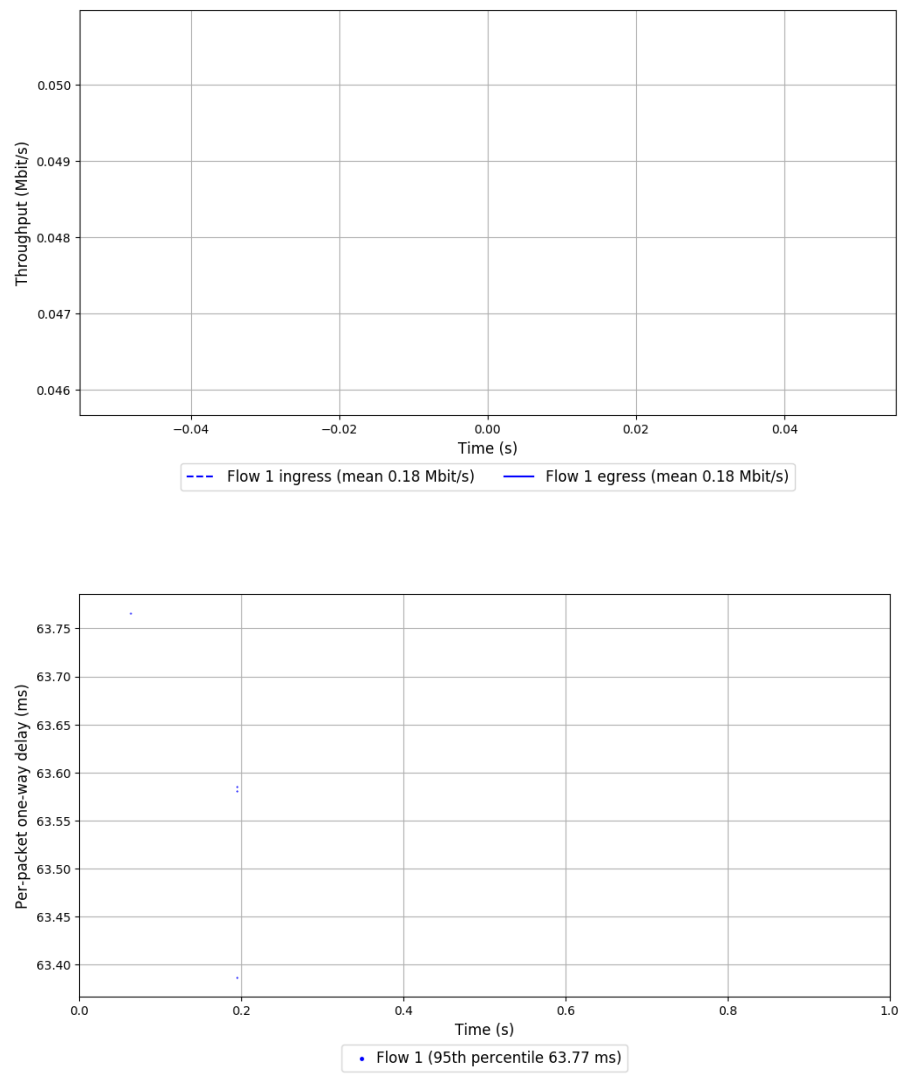


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-26 07:13:11

End at: 2018-01-26 07:13:41

Run 9: Report of QUIC Cubic — Data Link

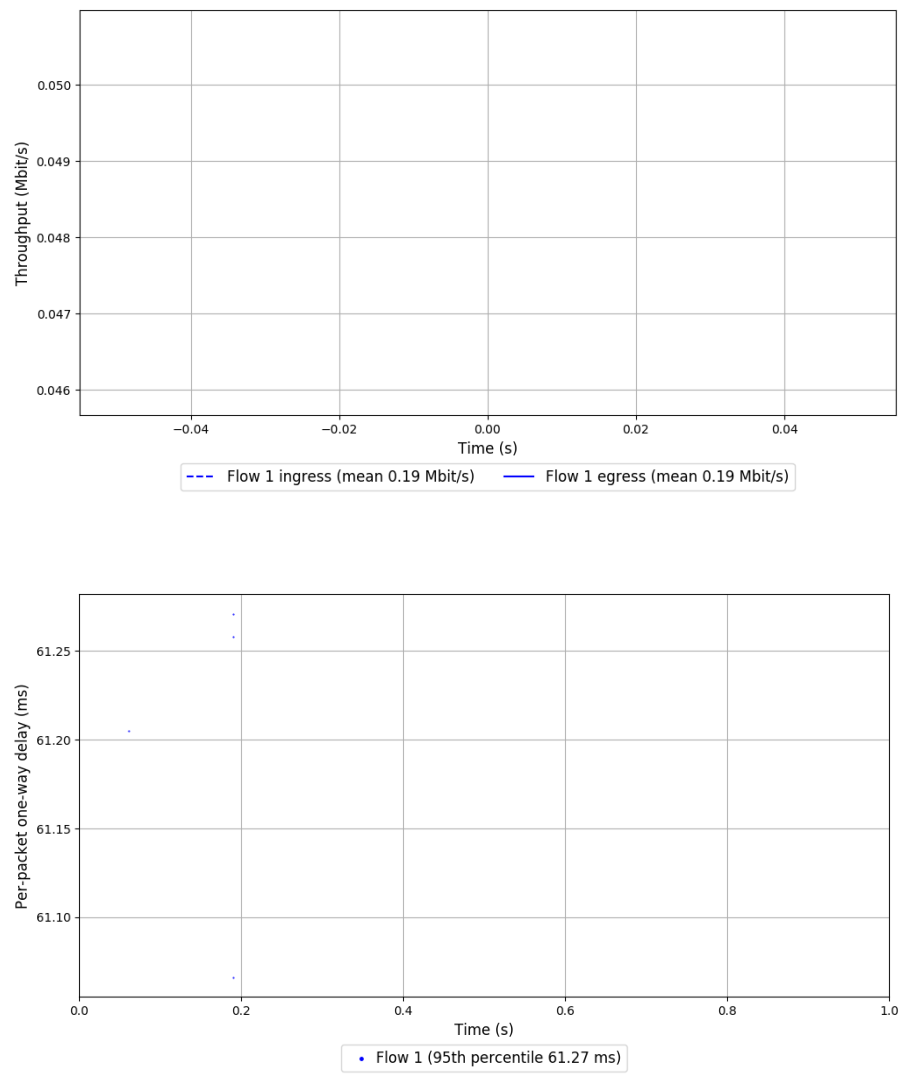


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-26 07:25:09

End at: 2018-01-26 07:25:39

Run 10: Report of QUIC Cubic — Data Link

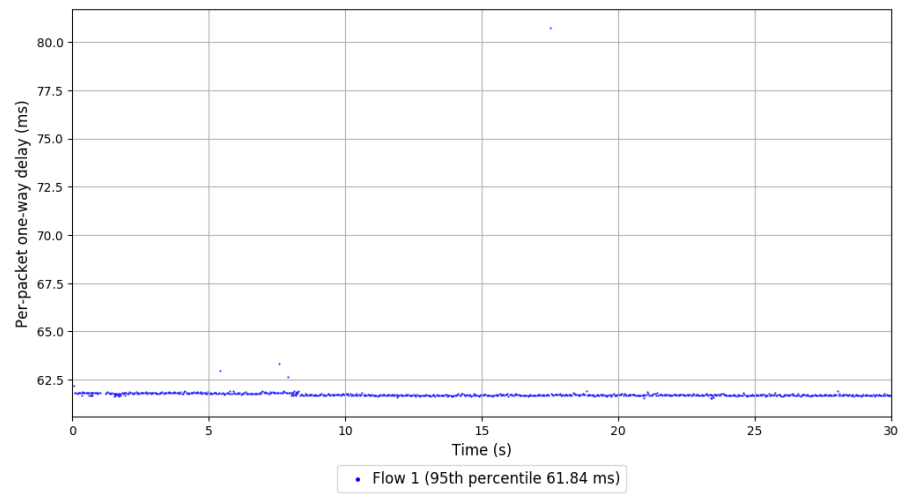
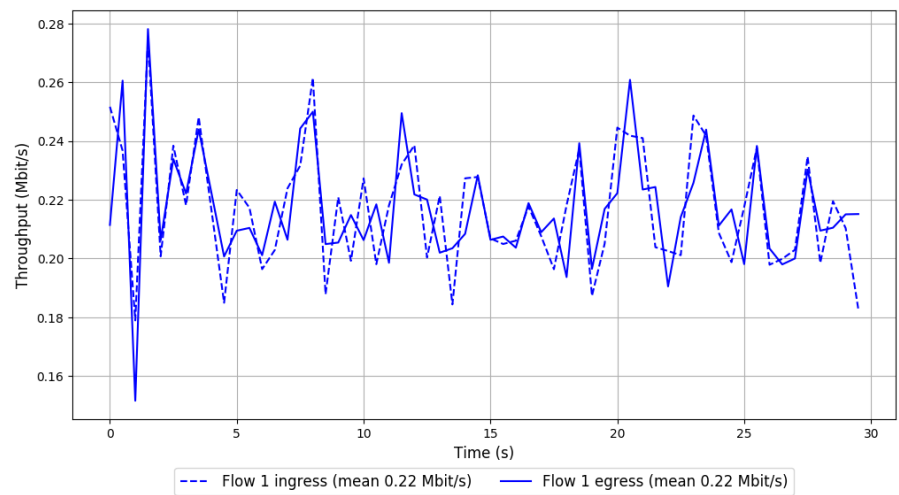


```
Run 1: Statistics of SCReAM

Start at: 2018-01-26 05:41:52
End at: 2018-01-26 05:42:22

# Below is generated by plot.py at 2018-01-26 08:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.839 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

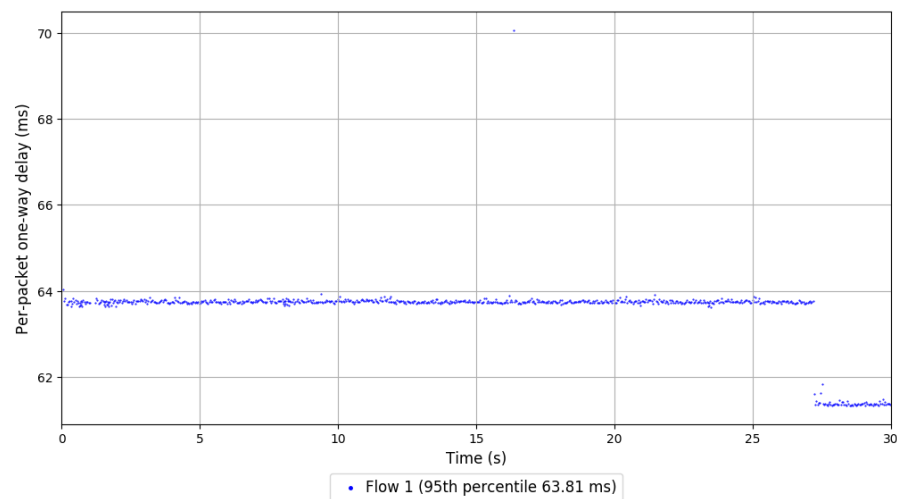
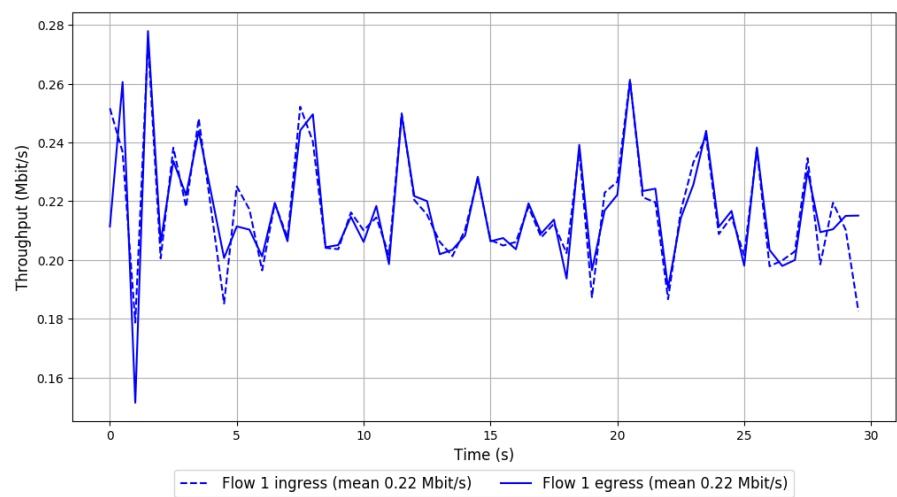


```
Run 2: Statistics of SCReAM

Start at: 2018-01-26 05:53:54
End at: 2018-01-26 05:54:24

# Below is generated by plot.py at 2018-01-26 08:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.810 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-26 06:05:57

End at: 2018-01-26 06:06:27

Below is generated by plot.py at 2018-01-26 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.774 ms

Loss rate: 0.00%

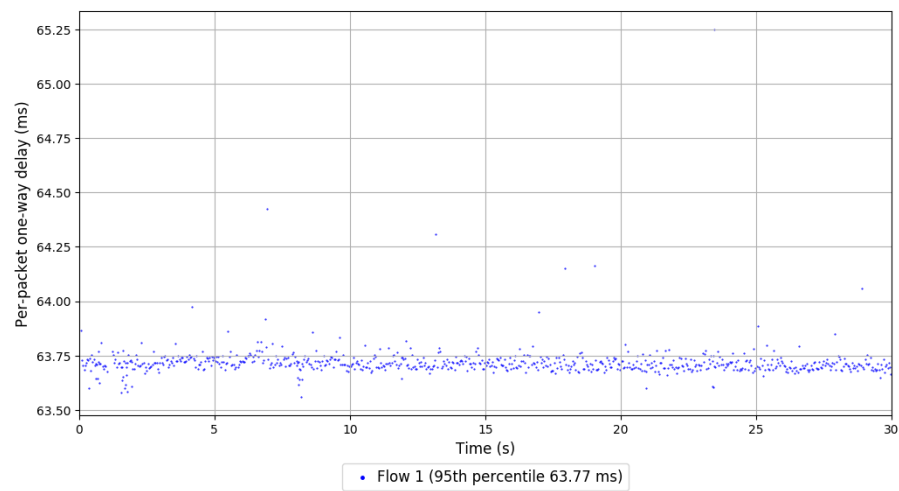
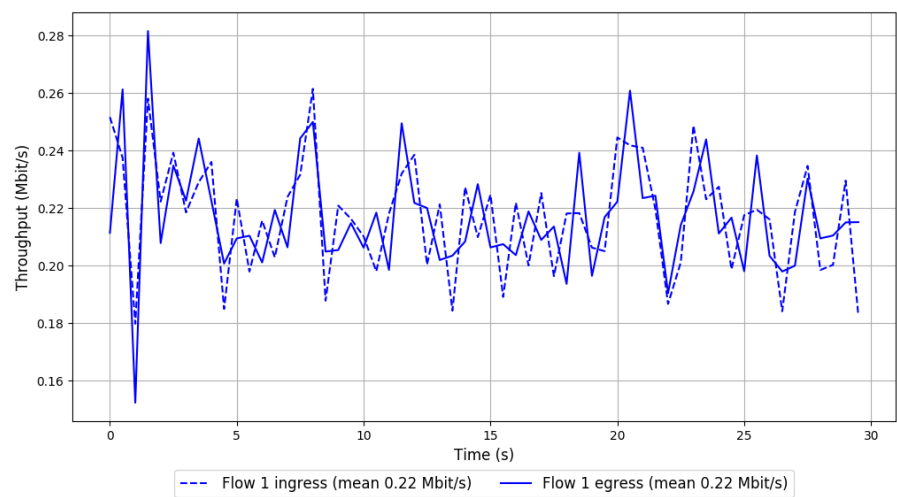
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.774 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-26 06:17:47

End at: 2018-01-26 06:18:17

Below is generated by plot.py at 2018-01-26 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.641 ms

Loss rate: 0.00%

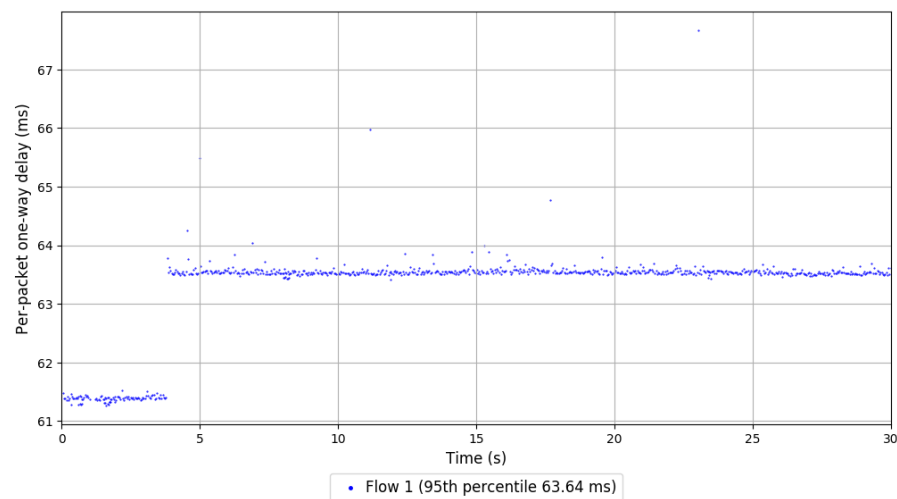
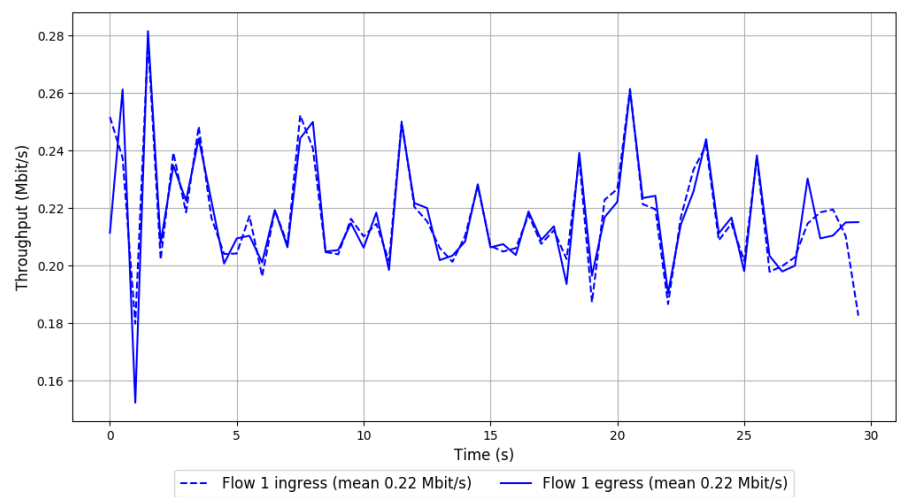
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.641 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-26 06:29:42

End at: 2018-01-26 06:30:12

Below is generated by plot.py at 2018-01-26 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.619 ms

Loss rate: 0.00%

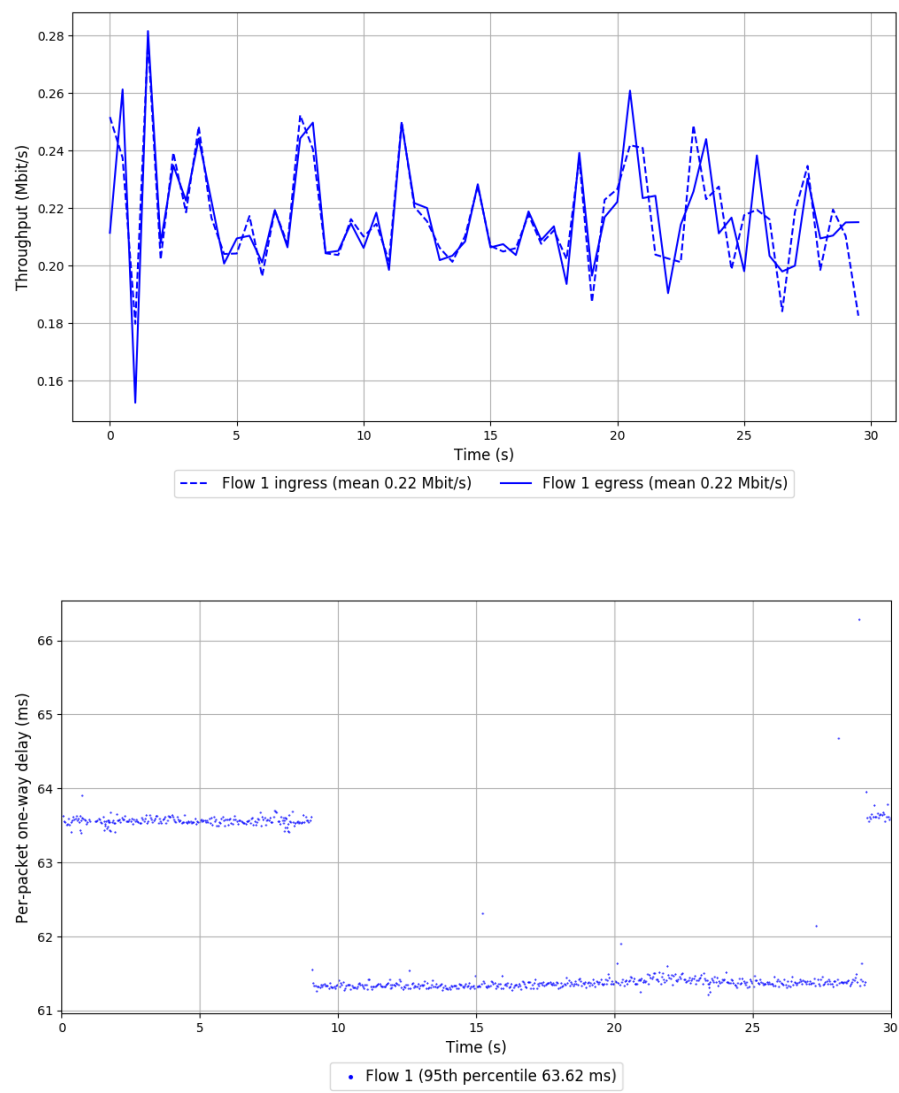
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.619 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-26 06:41:33

End at: 2018-01-26 06:42:03

Below is generated by plot.py at 2018-01-26 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.466 ms

Loss rate: 0.00%

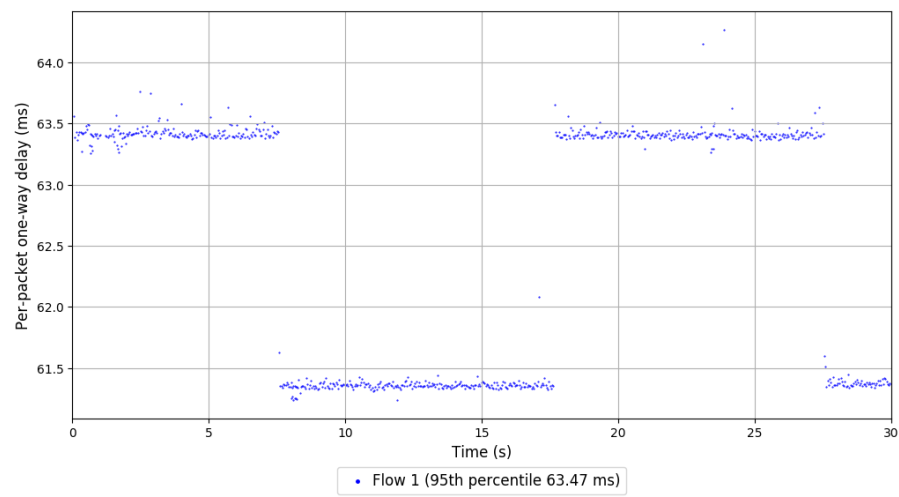
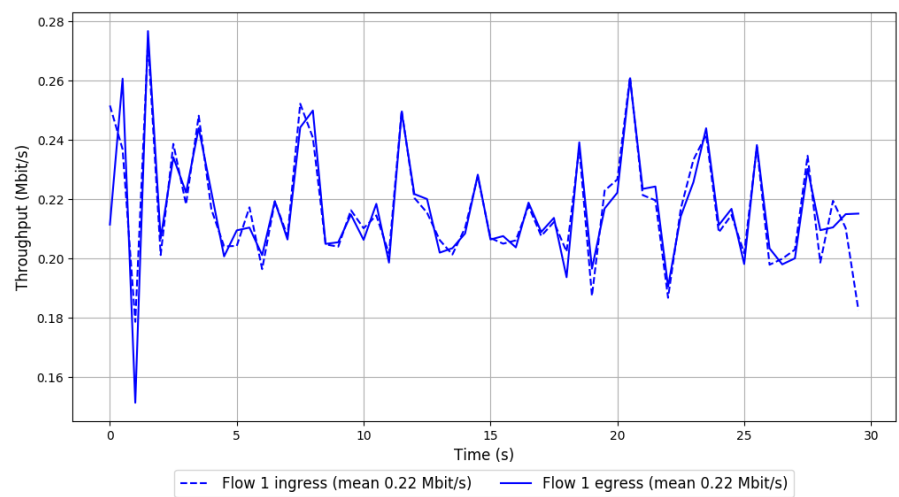
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.466 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-26 06:53:25

End at: 2018-01-26 06:53:55

Below is generated by plot.py at 2018-01-26 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.427 ms

Loss rate: 0.00%

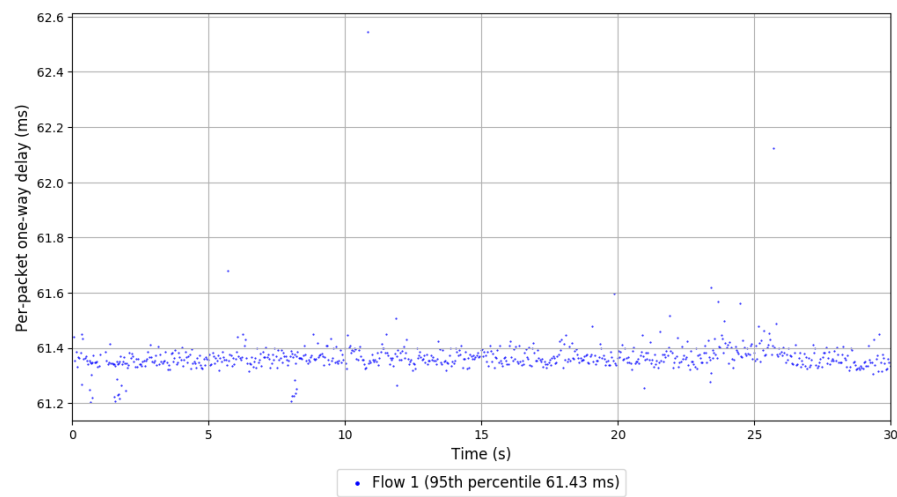
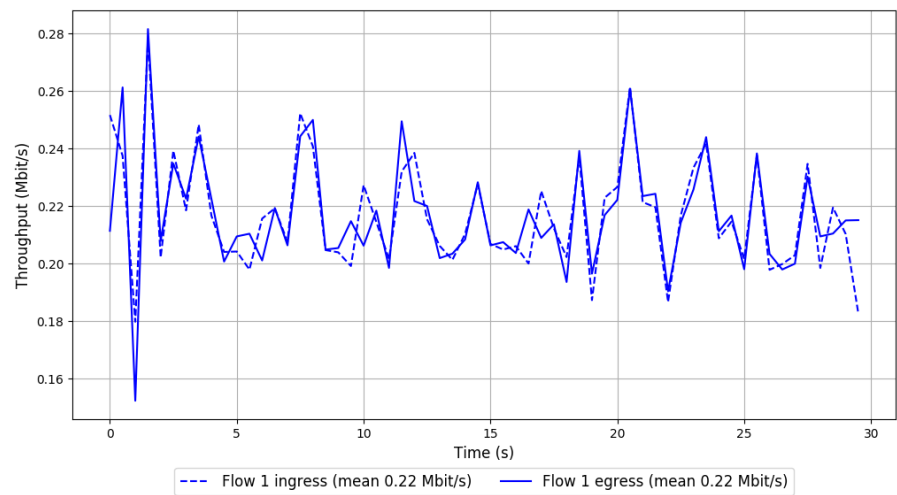
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.427 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-26 07:05:37

End at: 2018-01-26 07:06:07

Below is generated by plot.py at 2018-01-26 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 63.566 ms

Loss rate: 0.00%

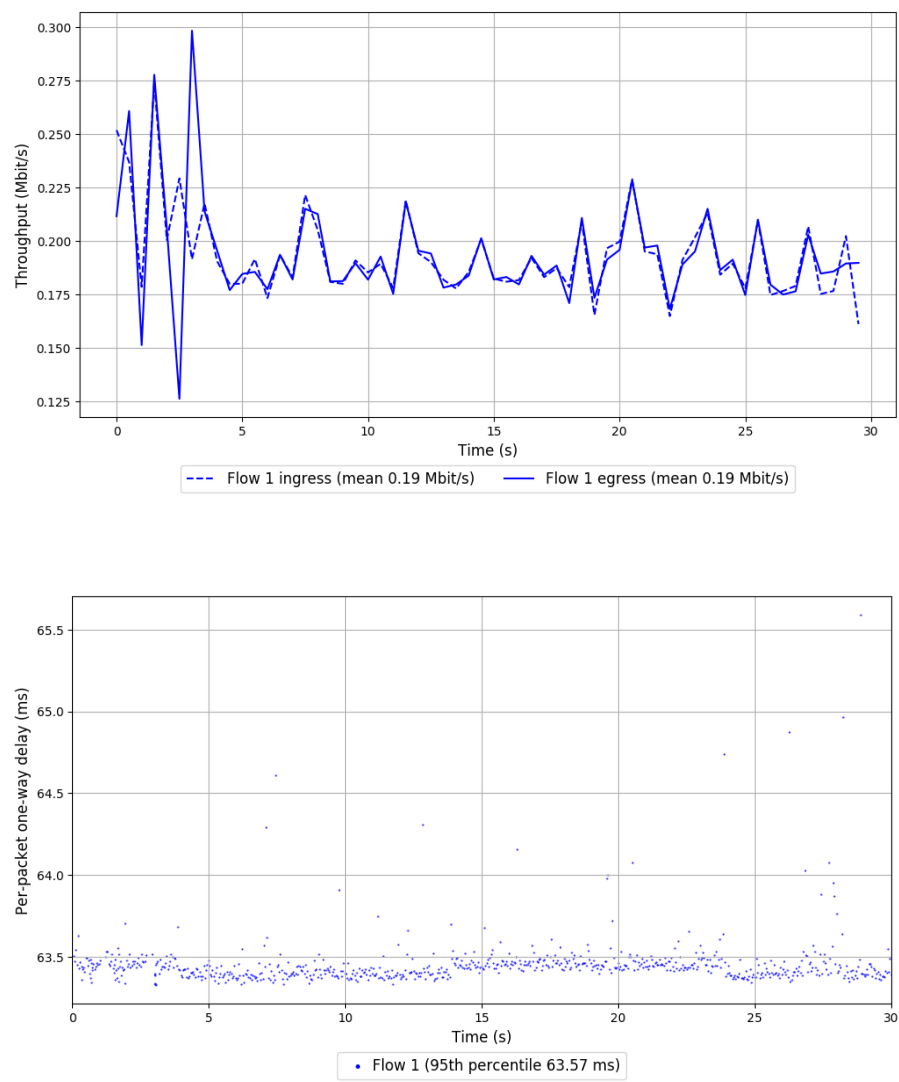
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 63.566 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-26 07:17:32

End at: 2018-01-26 07:18:02

Below is generated by plot.py at 2018-01-26 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.558 ms

Loss rate: 0.00%

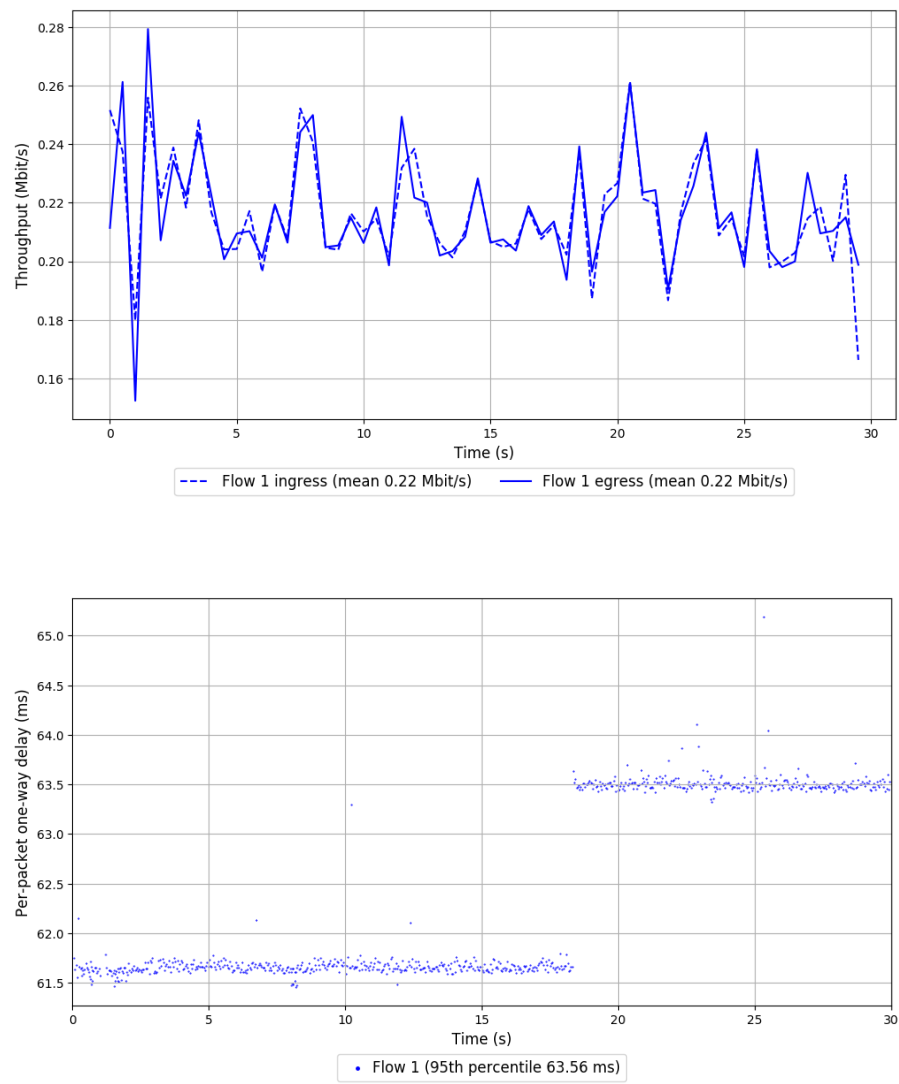
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.558 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-26 07:29:26

End at: 2018-01-26 07:29:56

Below is generated by plot.py at 2018-01-26 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.452 ms

Loss rate: 0.00%

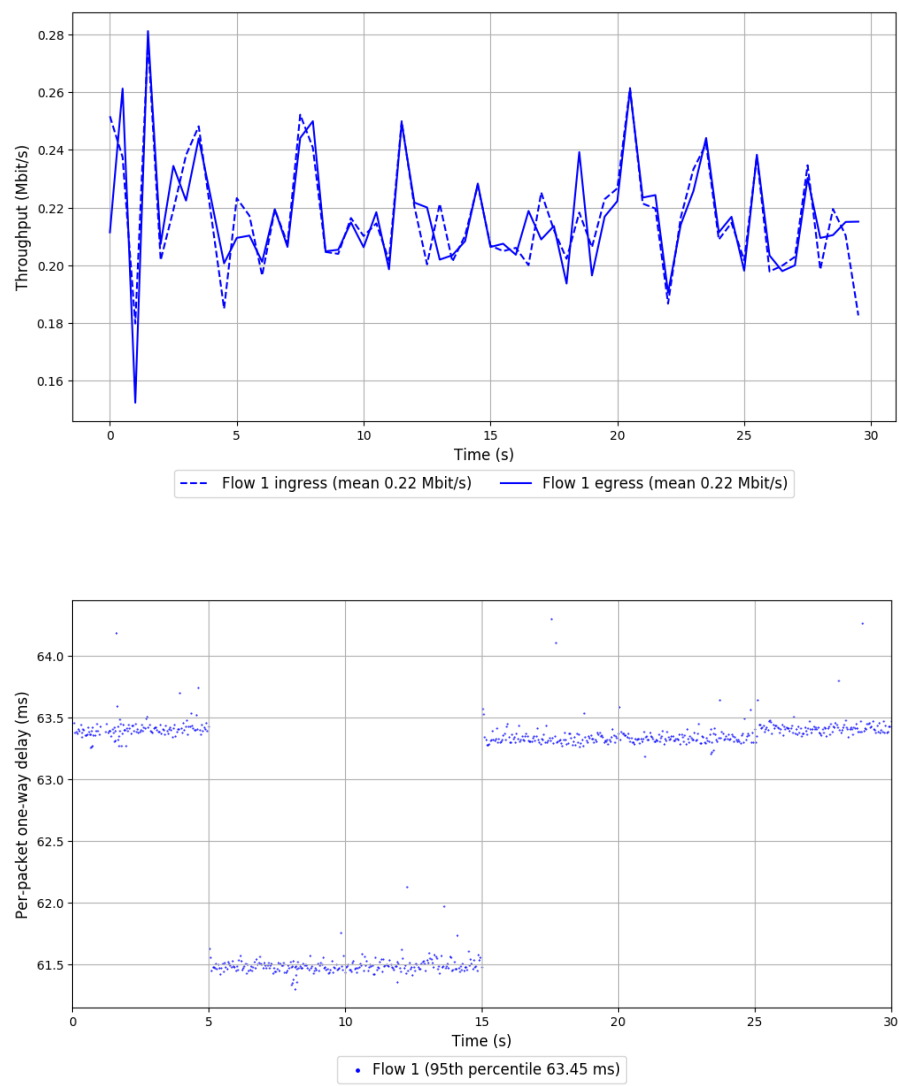
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.452 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

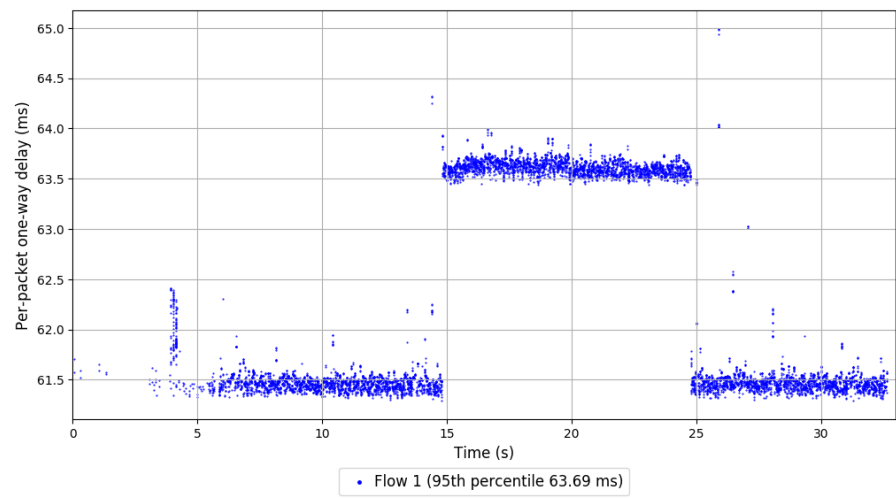
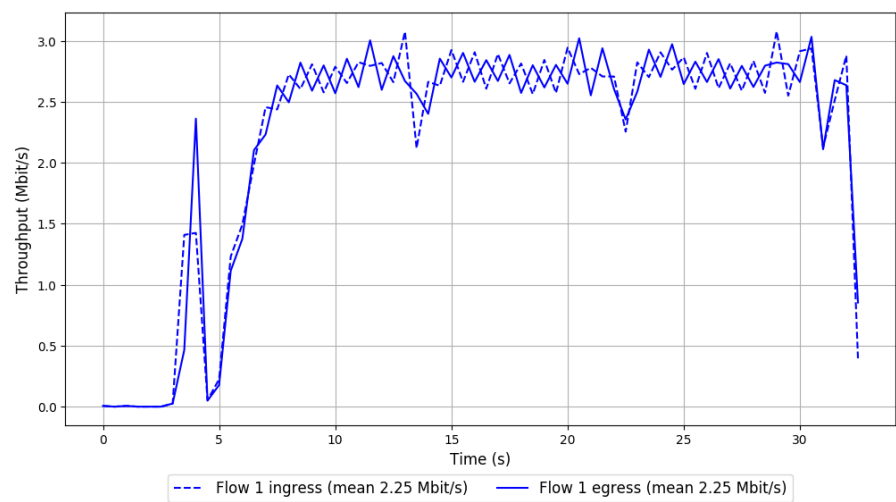


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-26 05:43:19
End at: 2018-01-26 05:43:49

# Below is generated by plot.py at 2018-01-26 08:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 63.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 63.692 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-26 05:55:20

End at: 2018-01-26 05:55:50

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.894 ms

Loss rate: 0.00%

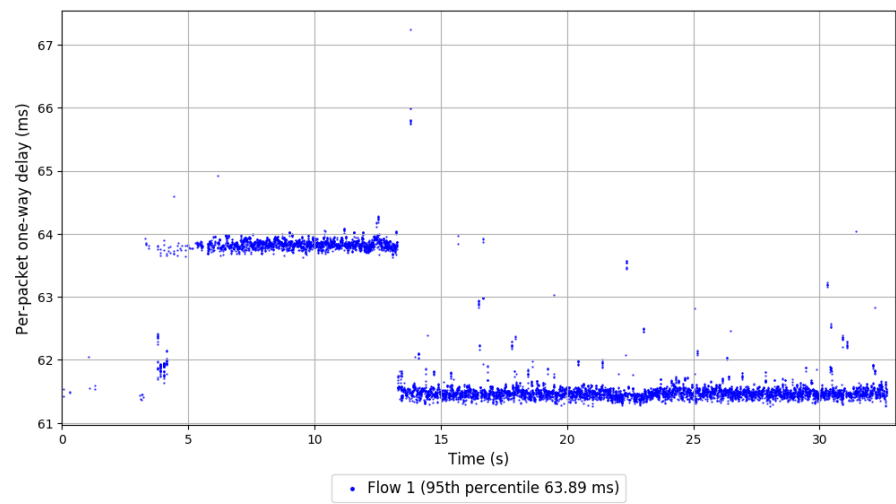
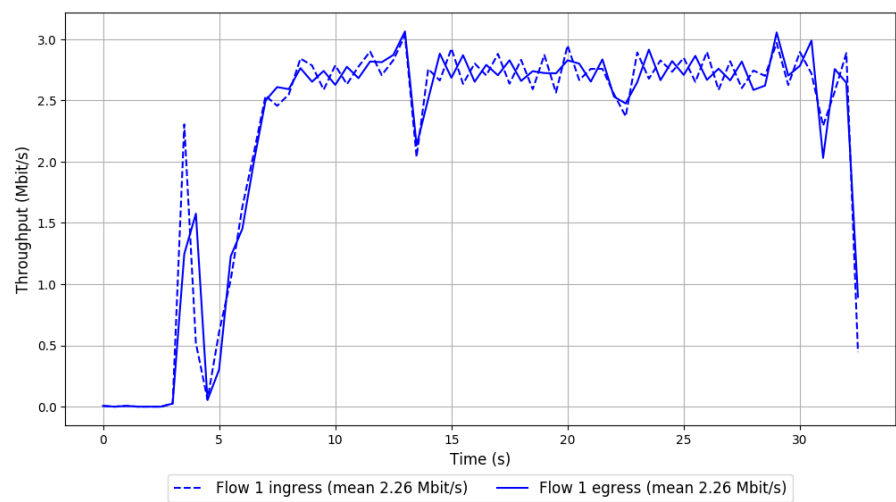
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.894 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-26 06:07:23

End at: 2018-01-26 06:07:53

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.872 ms

Loss rate: 0.00%

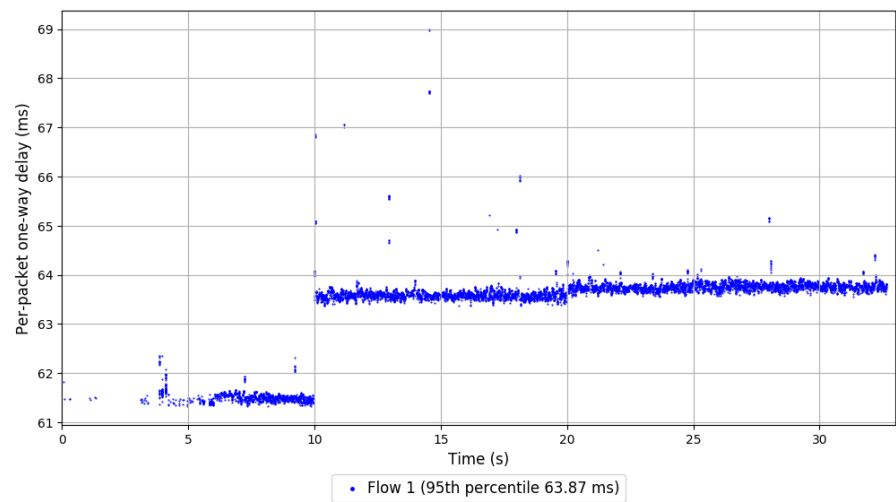
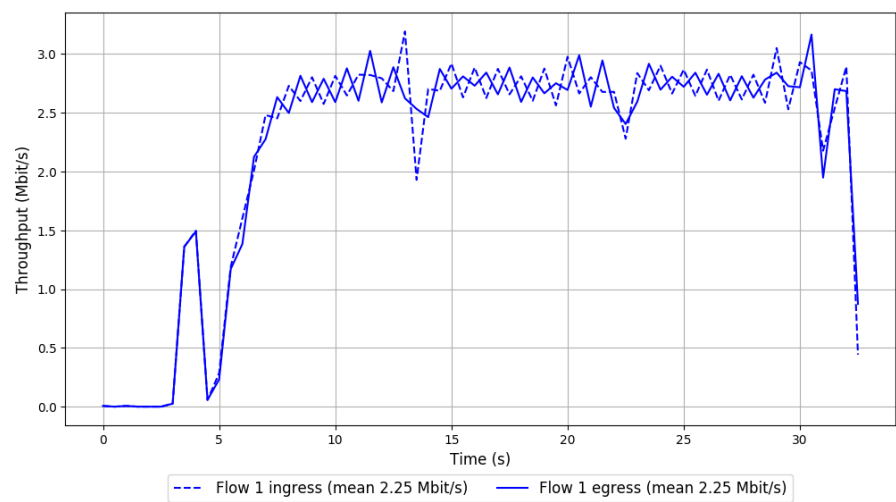
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.872 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-26 06:19:14

End at: 2018-01-26 06:19:44

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.736 ms

Loss rate: 0.00%

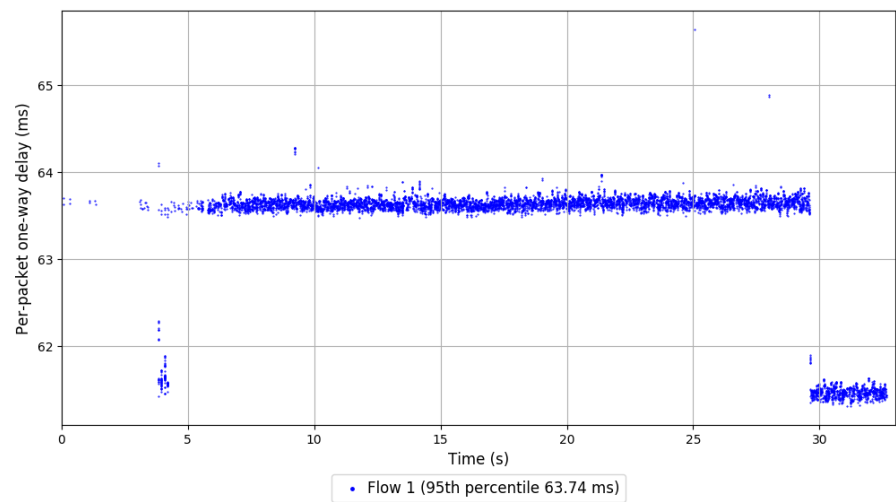
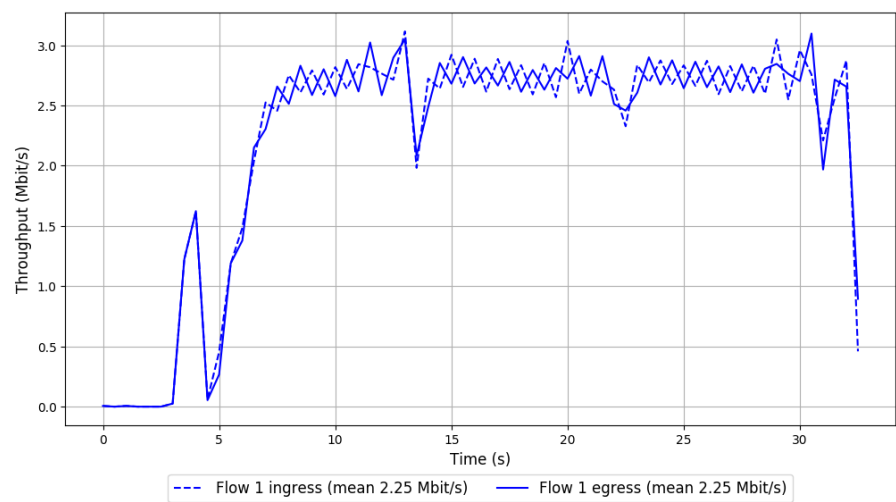
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.736 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-26 06:31:08

End at: 2018-01-26 06:31:38

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

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

Loss rate: 0.00%

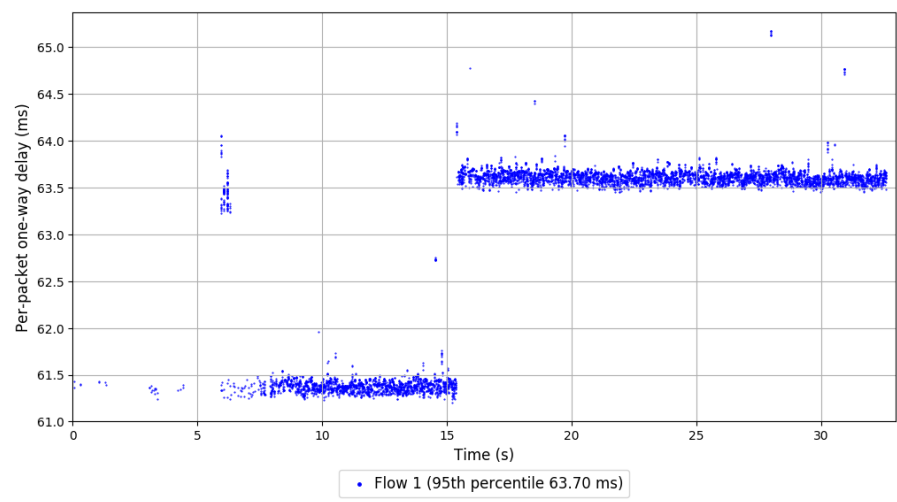
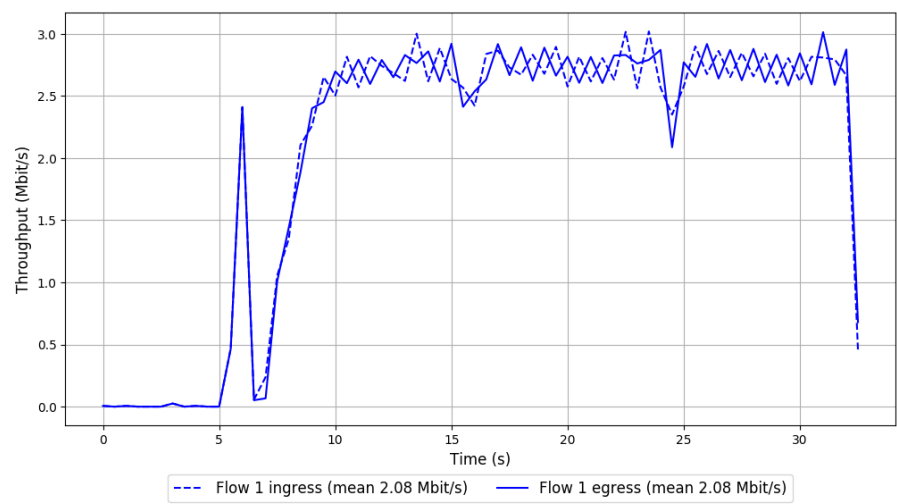
-- Flow 1:

Average throughput: 2.08 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-26 06:43:00

End at: 2018-01-26 06:43:30

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

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

Loss rate: 0.00%

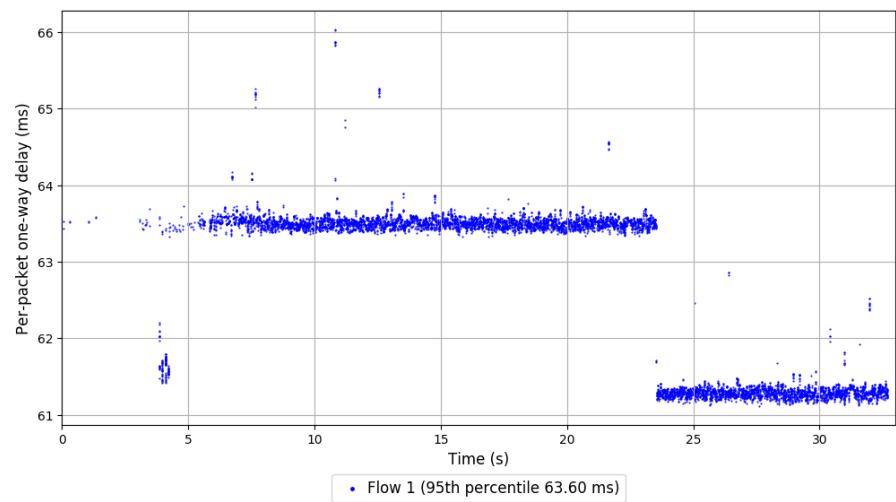
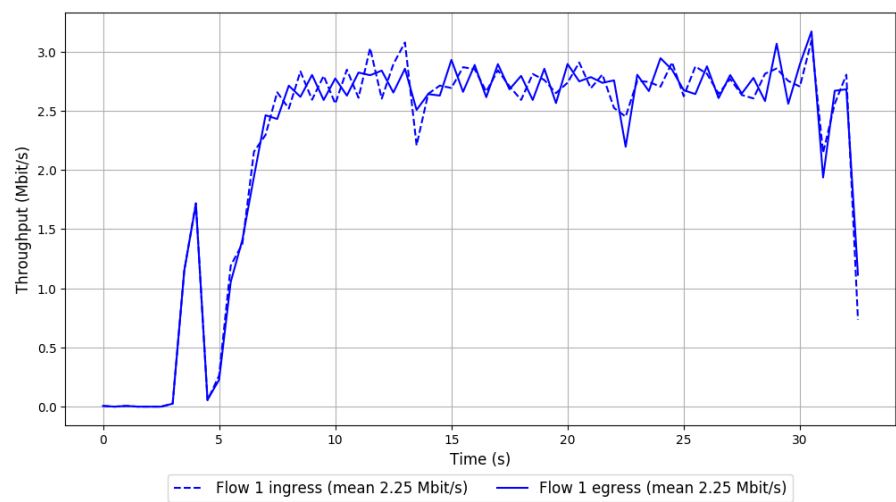
-- Flow 1:

Average throughput: 2.25 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-26 06:54:53

End at: 2018-01-26 06:55:23

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.699 ms

Loss rate: 0.00%

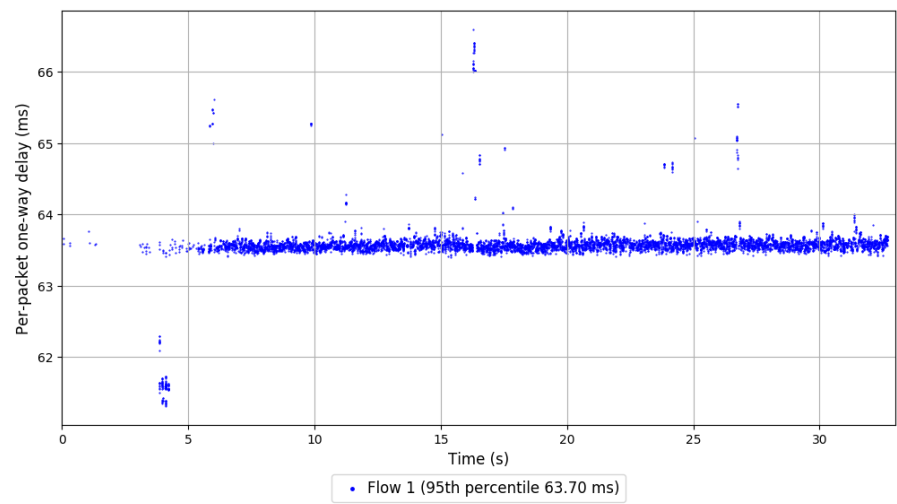
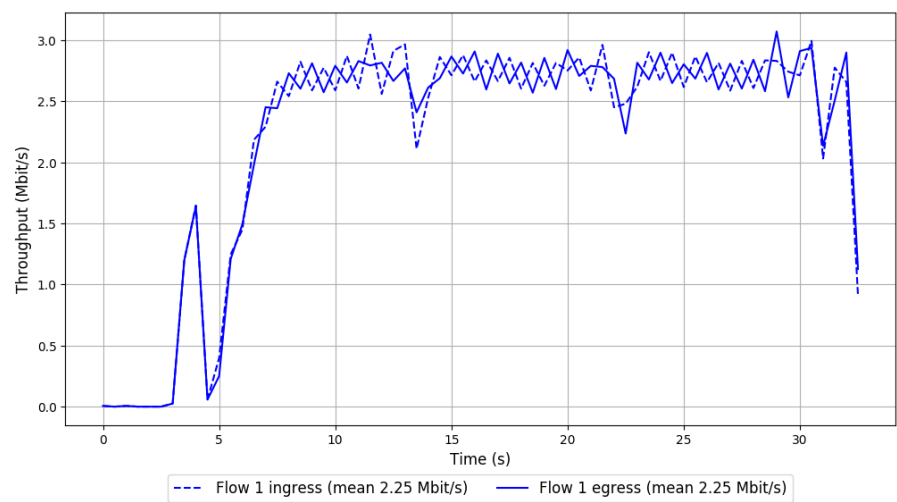
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.699 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-26 07:07:03

End at: 2018-01-26 07:07:33

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.581 ms

Loss rate: 0.00%

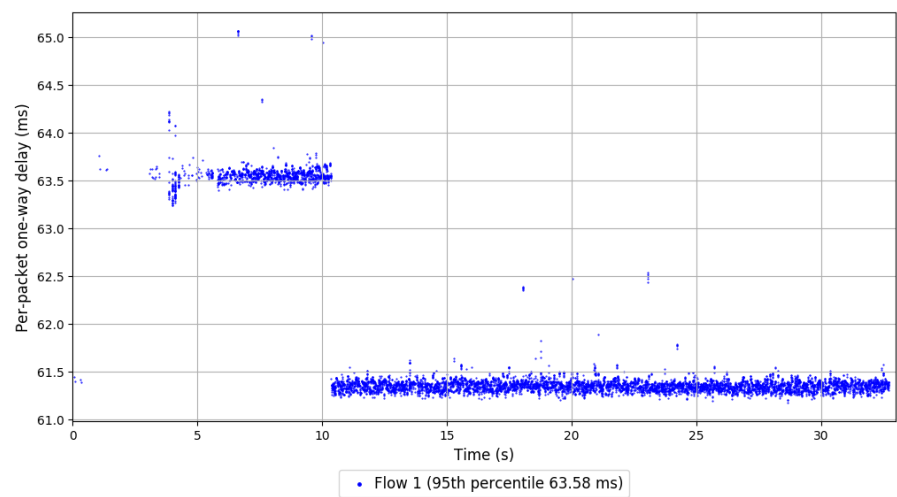
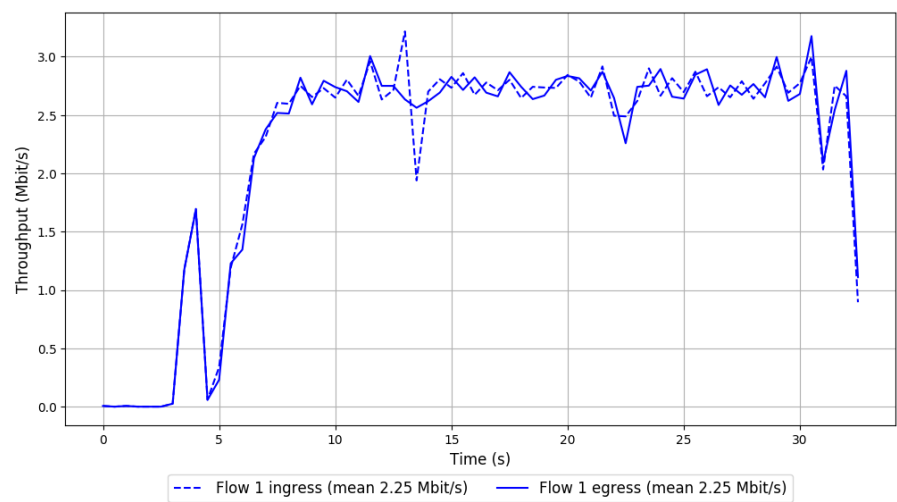
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.581 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-26 07:18:59

End at: 2018-01-26 07:19:29

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.627 ms

Loss rate: 0.00%

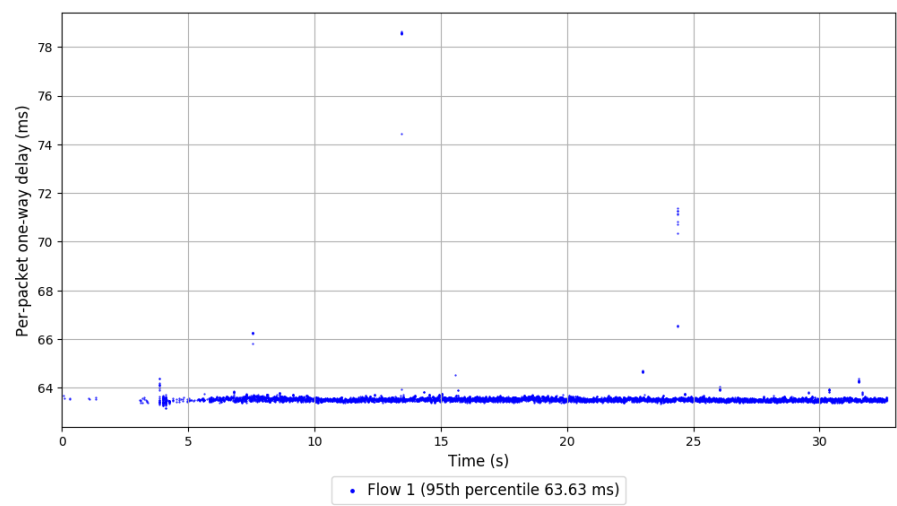
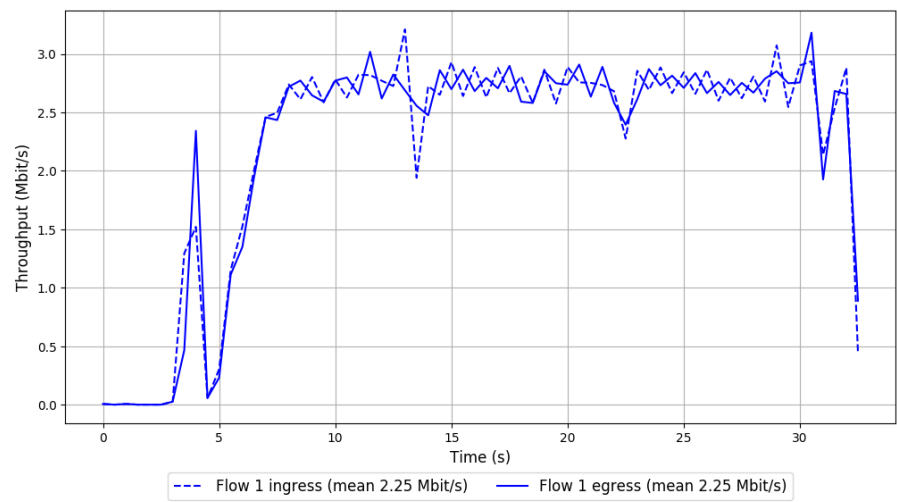
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 63.627 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-26 07:30:53

End at: 2018-01-26 07:31:23

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.549 ms

Loss rate: 0.00%

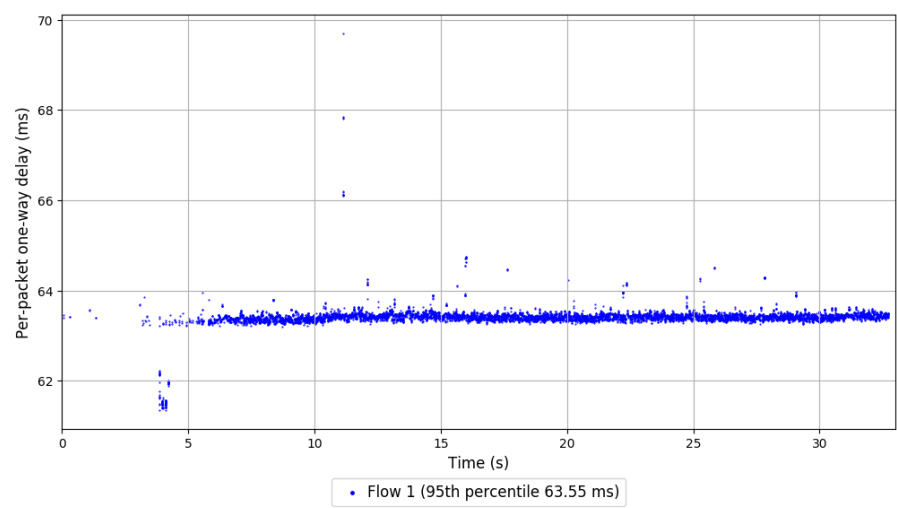
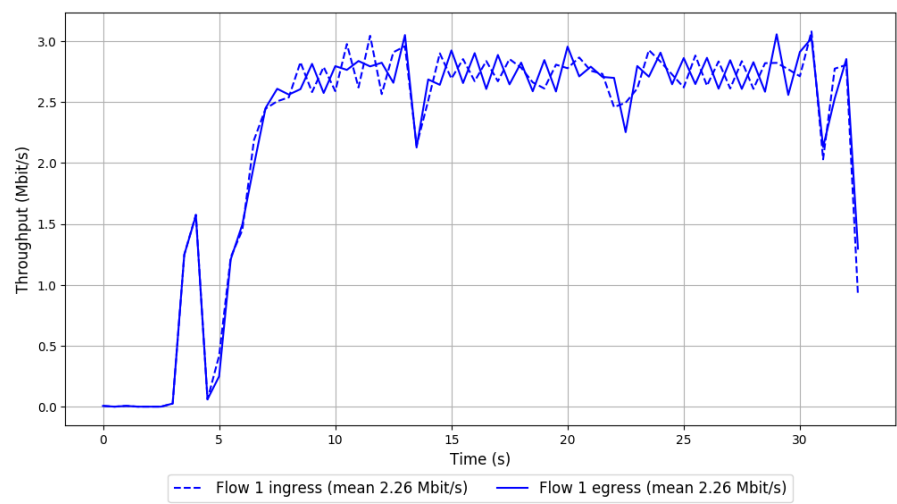
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 63.549 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-26 05:36:07

End at: 2018-01-26 05:36:37

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 64.677 ms

Loss rate: 0.03%

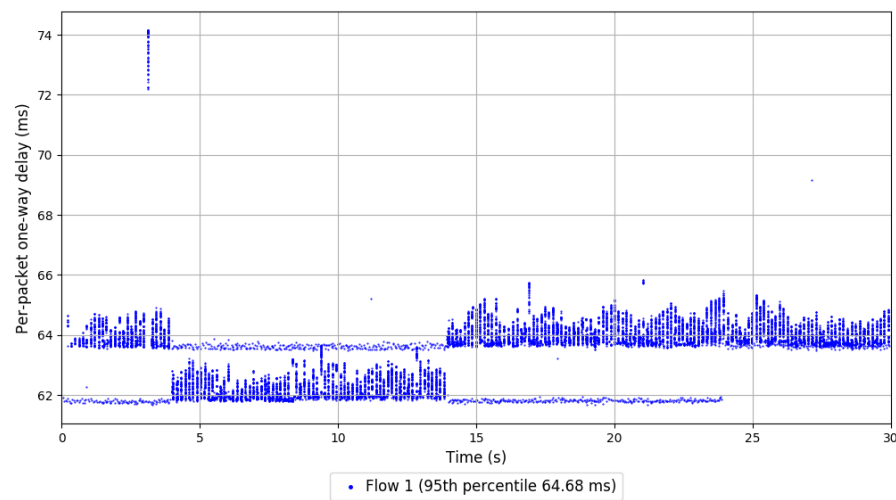
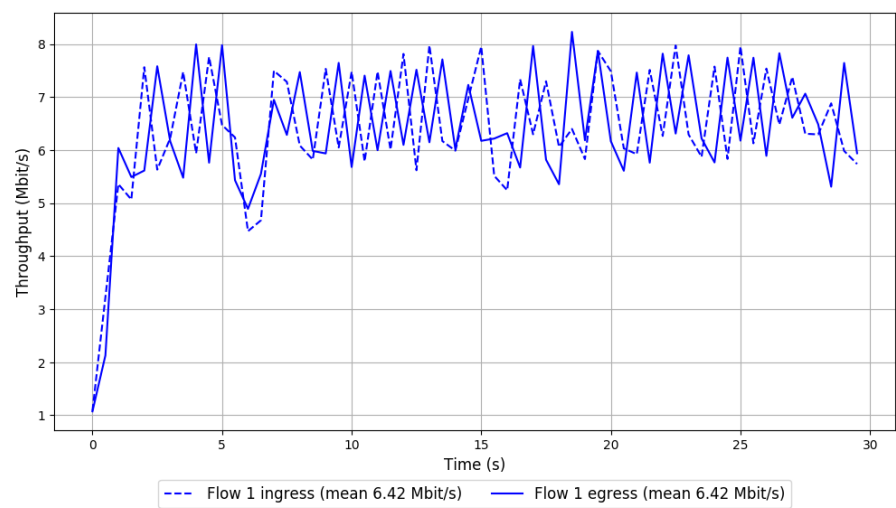
-- Flow 1:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 64.677 ms

Loss rate: 0.03%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-26 05:48:08

End at: 2018-01-26 05:48:38

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 64.612 ms

Loss rate: 0.00%

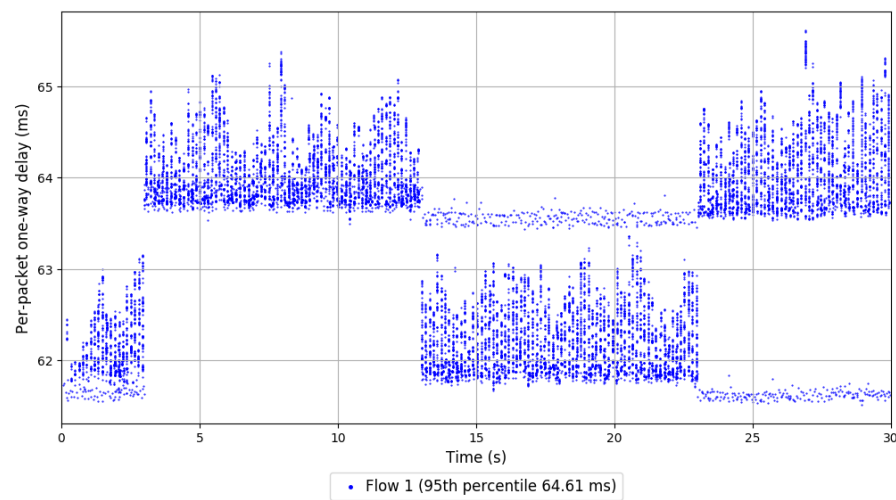
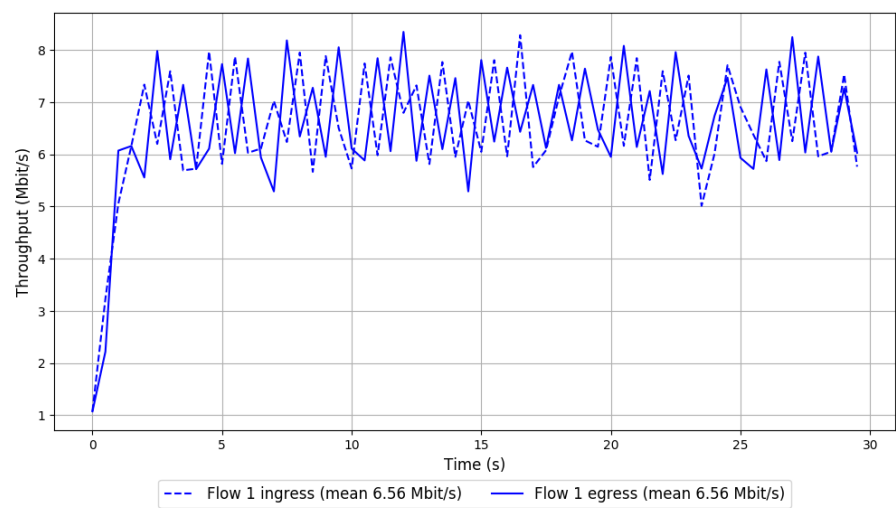
-- Flow 1:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 64.612 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-26 06:00:13

End at: 2018-01-26 06:00:43

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 64.632 ms

Loss rate: 0.14%

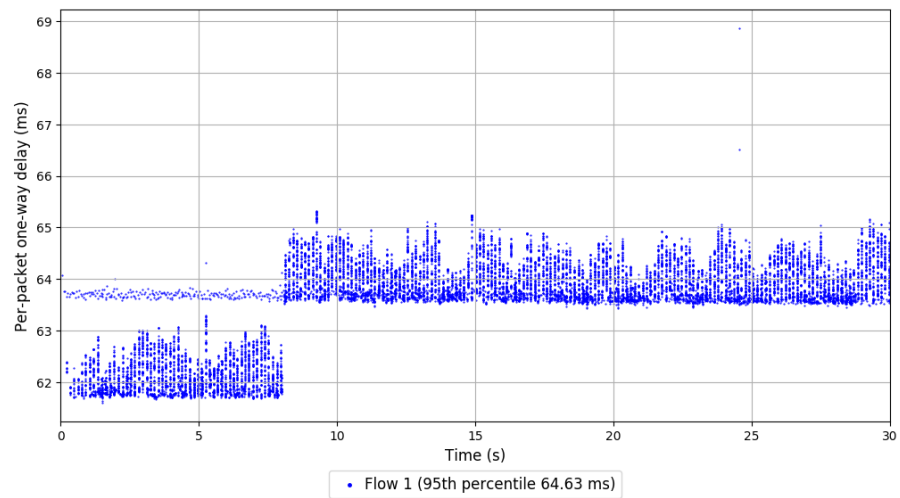
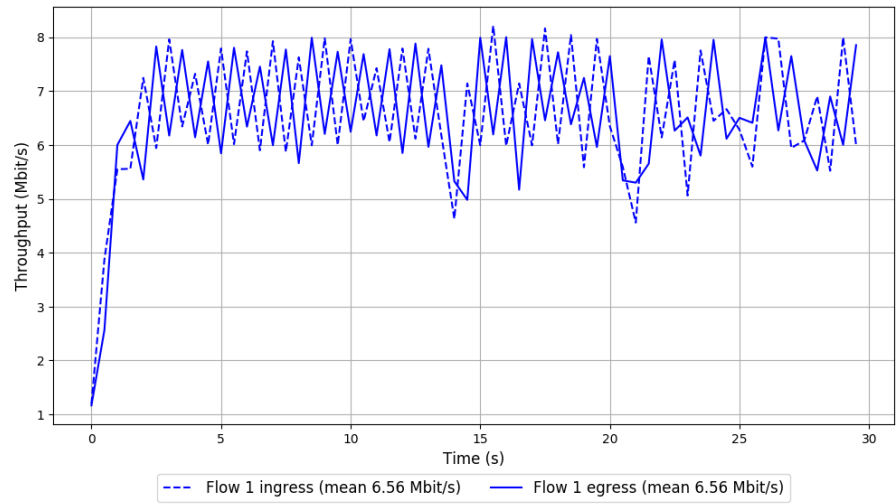
-- Flow 1:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 64.632 ms

Loss rate: 0.14%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-26 06:12:21

End at: 2018-01-26 06:12:51

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 64.459 ms

Loss rate: 0.00%

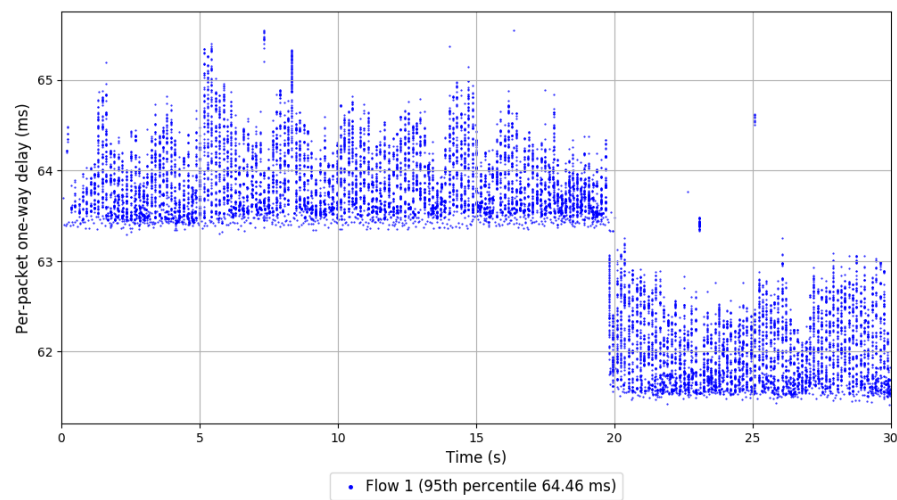
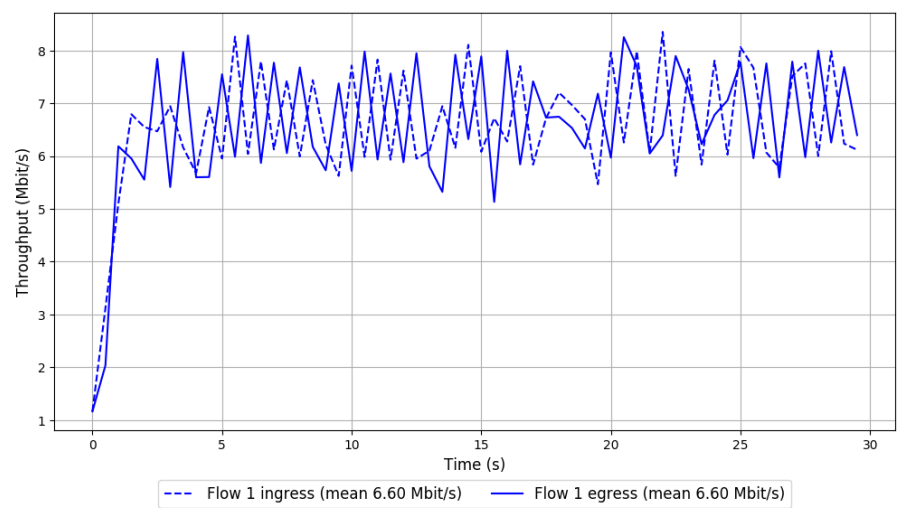
-- Flow 1:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 64.459 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-26 06:24:04

End at: 2018-01-26 06:24:34

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 63.722 ms

Loss rate: 0.01%

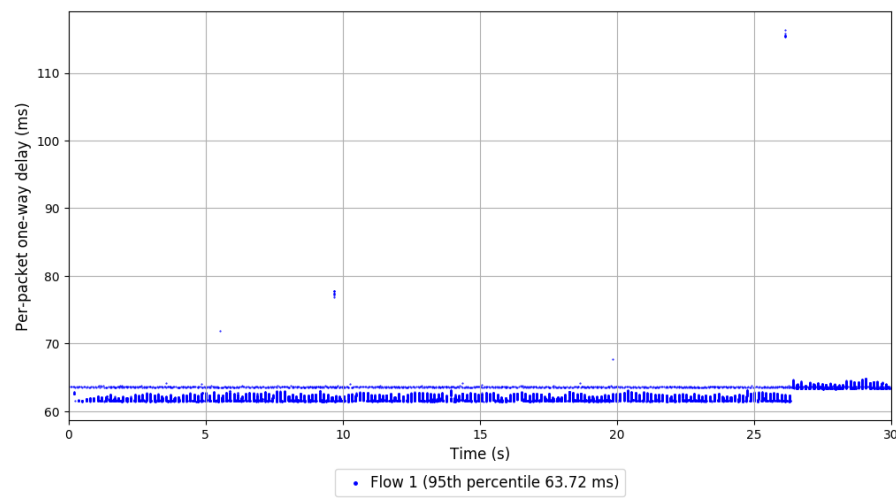
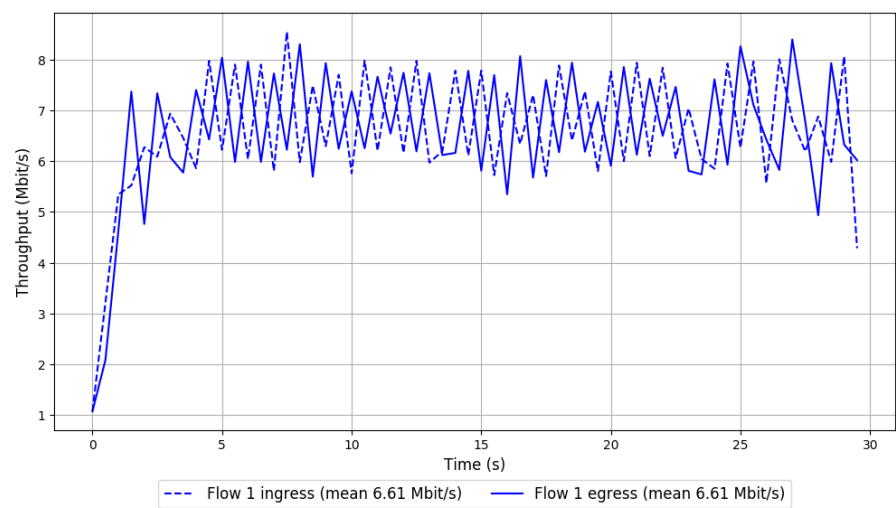
-- Flow 1:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 63.722 ms

Loss rate: 0.01%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-26 06:35:56

End at: 2018-01-26 06:36:26

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 64.214 ms

Loss rate: 0.47%

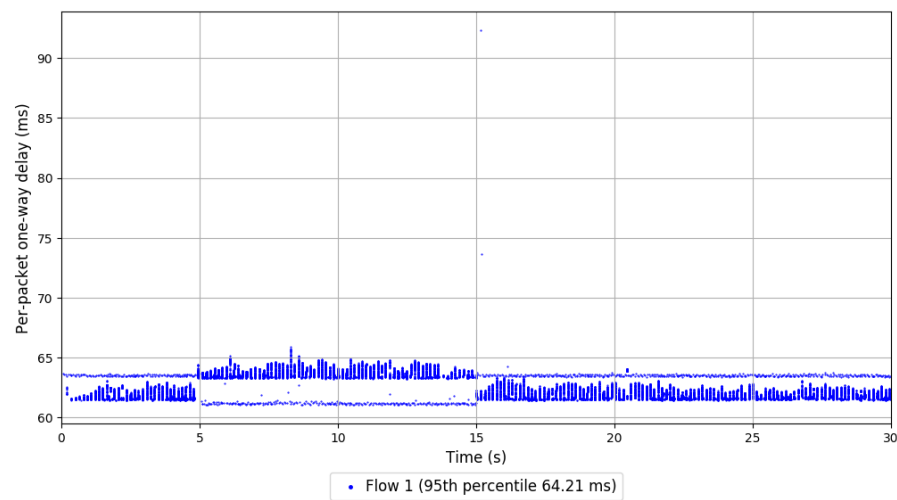
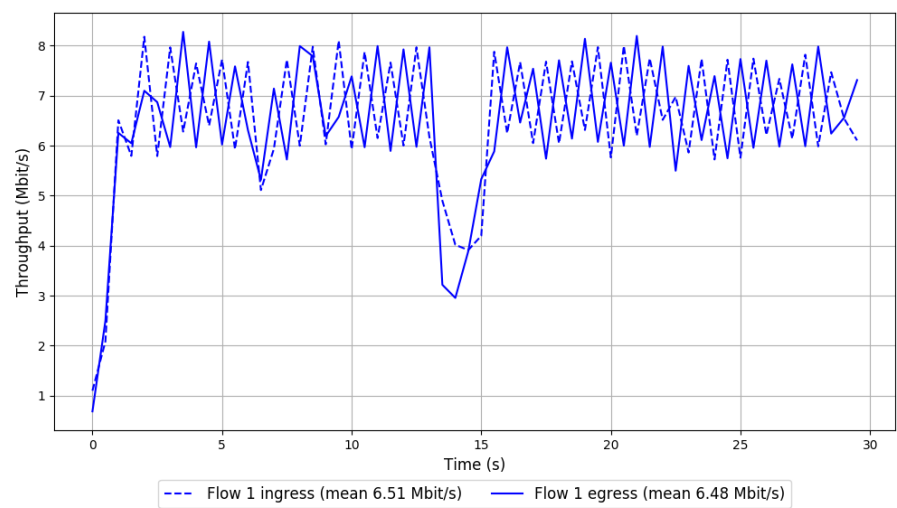
-- Flow 1:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 64.214 ms

Loss rate: 0.47%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-26 06:47:46

End at: 2018-01-26 06:48:16

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 64.337 ms

Loss rate: 0.52%

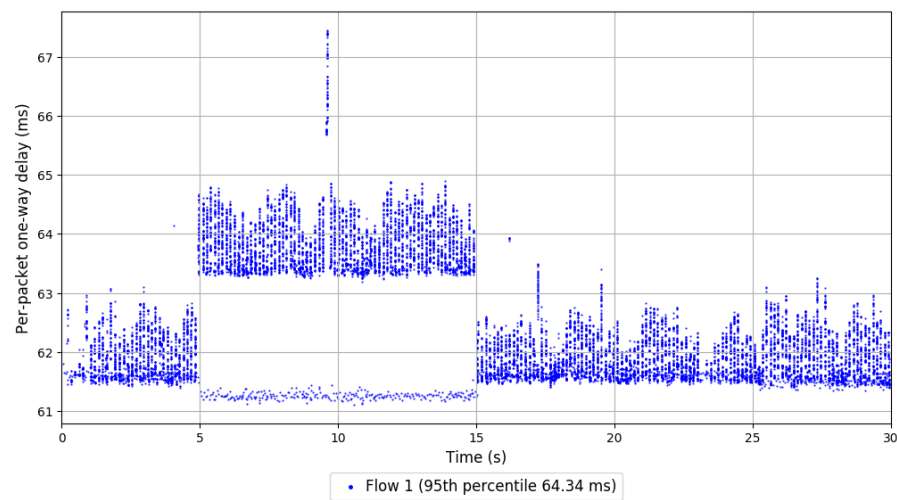
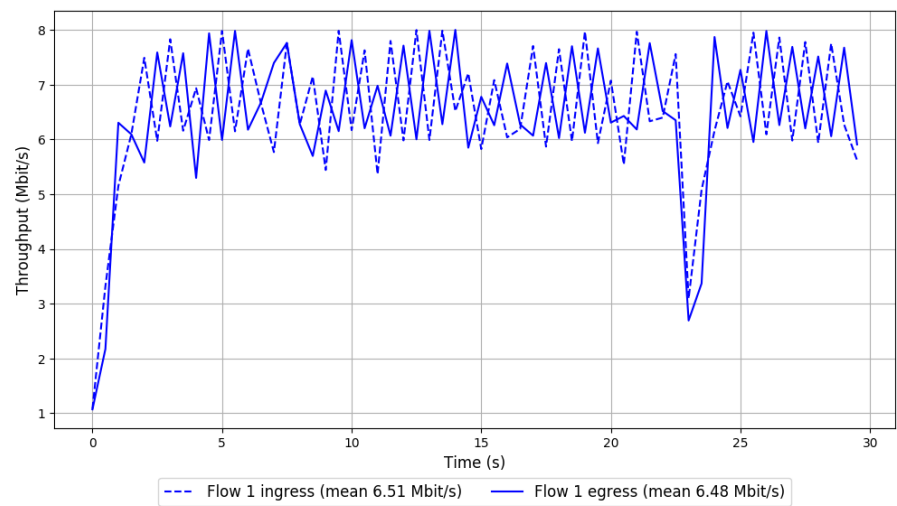
-- Flow 1:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 64.337 ms

Loss rate: 0.52%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-26 06:59:44

End at: 2018-01-26 07:00:14

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 63.728 ms

Loss rate: 0.00%

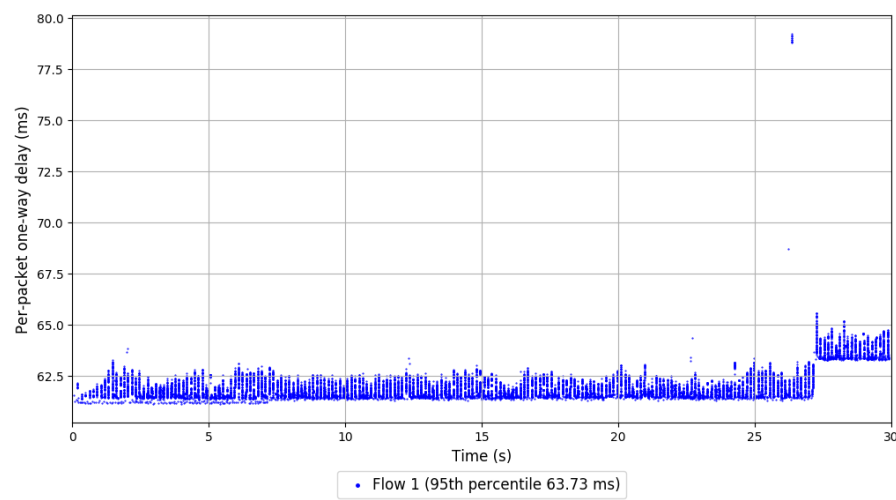
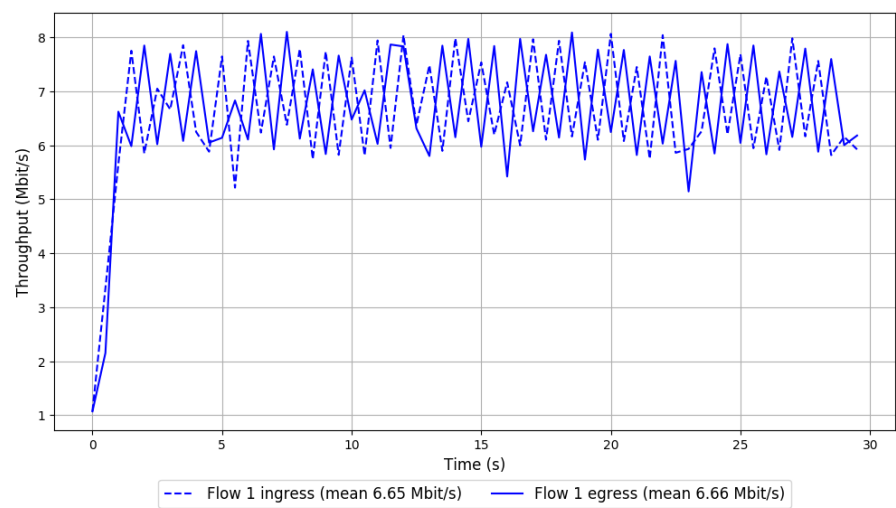
-- Flow 1:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 63.728 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-26 07:11:52

End at: 2018-01-26 07:12:22

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 63.494 ms

Loss rate: 0.93%

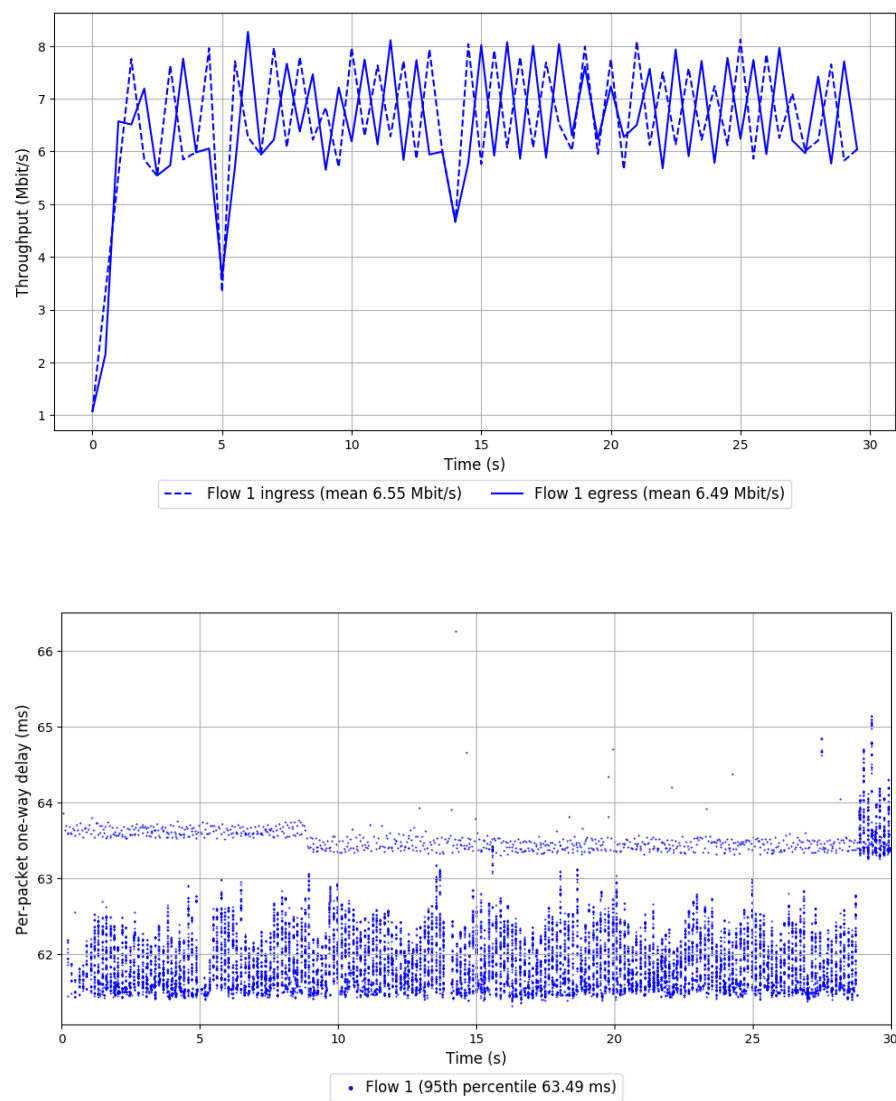
-- Flow 1:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 63.494 ms

Loss rate: 0.93%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-26 07:23:48

End at: 2018-01-26 07:24:18

Below is generated by plot.py at 2018-01-26 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 63.456 ms

Loss rate: 0.96%

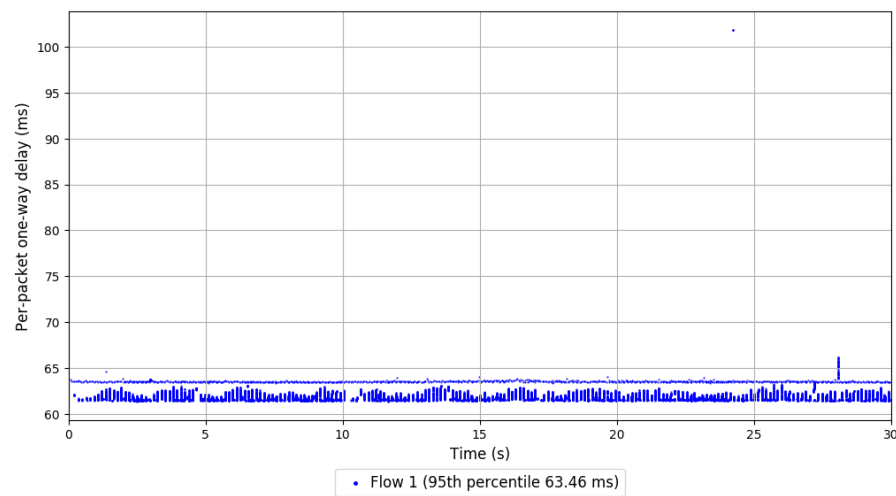
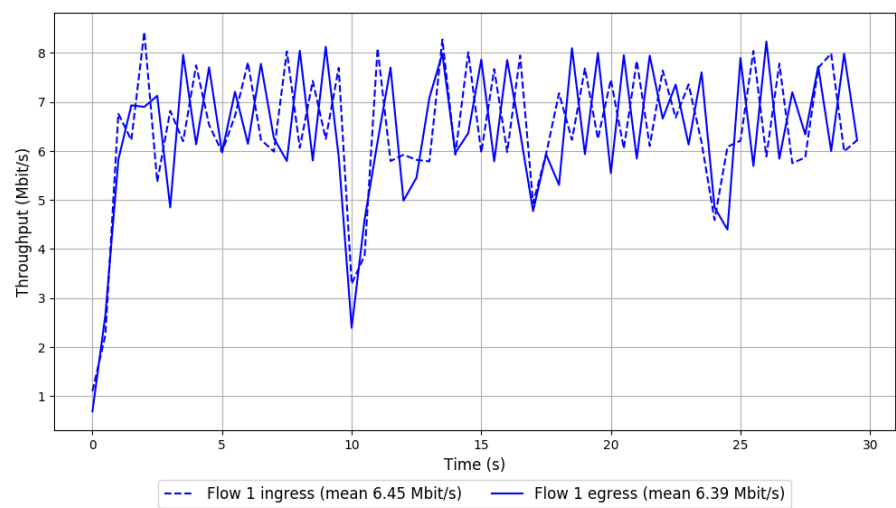
-- Flow 1:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 63.456 ms

Loss rate: 0.96%

Run 10: Report of Sprout — Data Link

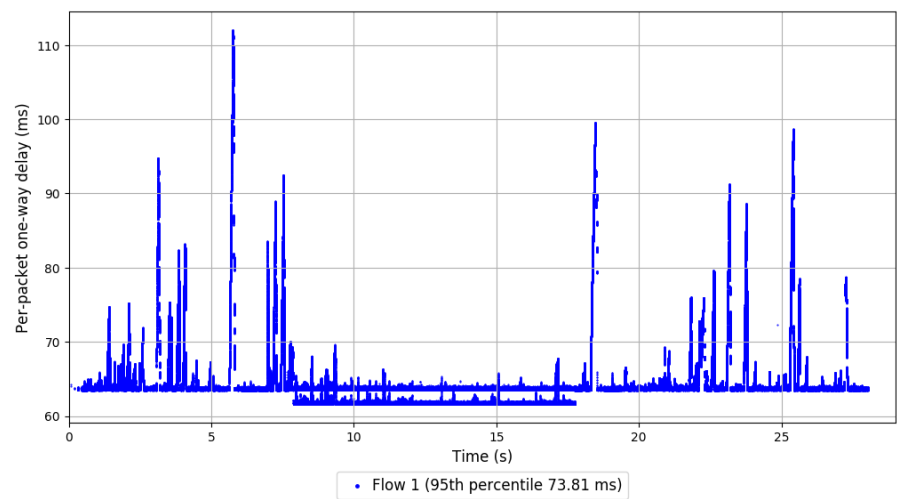
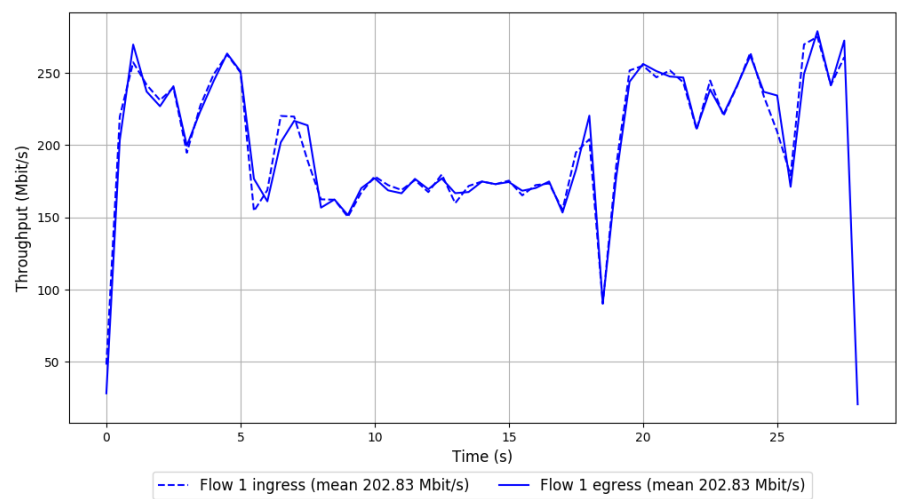


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 05:38:01
End at: 2018-01-26 05:38:31

# Below is generated by plot.py at 2018-01-26 08:38:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.83 Mbit/s
95th percentile per-packet one-way delay: 73.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.83 Mbit/s
95th percentile per-packet one-way delay: 73.809 ms
Loss rate: 0.00%
```


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

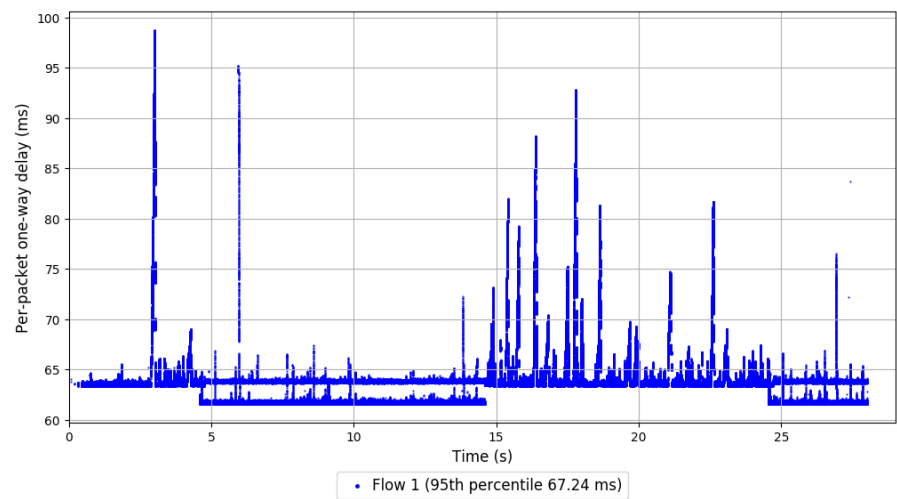
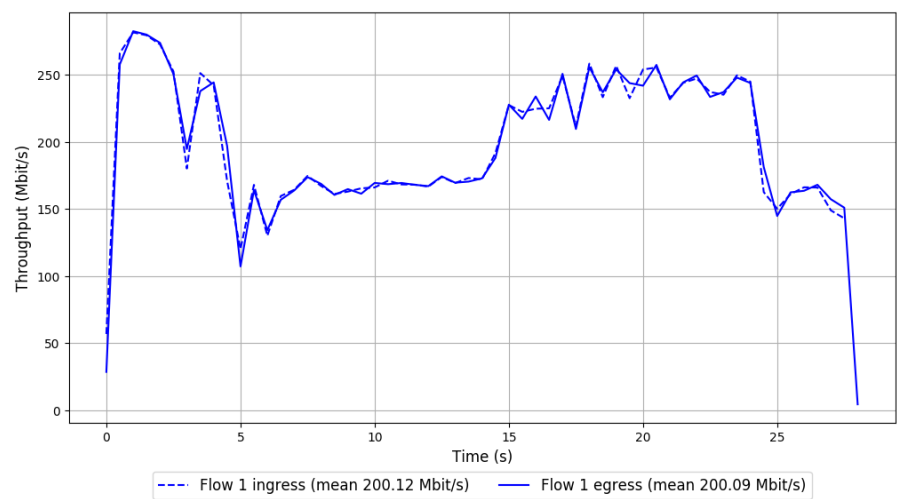


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 05:50:04
End at: 2018-01-26 05:50:34

# Below is generated by plot.py at 2018-01-26 08:38:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.09 Mbit/s
95th percentile per-packet one-way delay: 67.242 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.09 Mbit/s
95th percentile per-packet one-way delay: 67.242 ms
Loss rate: 0.01%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 06:02:06

End at: 2018-01-26 06:02:36

Below is generated by plot.py at 2018-01-26 08:38:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.12 Mbit/s

95th percentile per-packet one-way delay: 71.804 ms

Loss rate: 0.01%

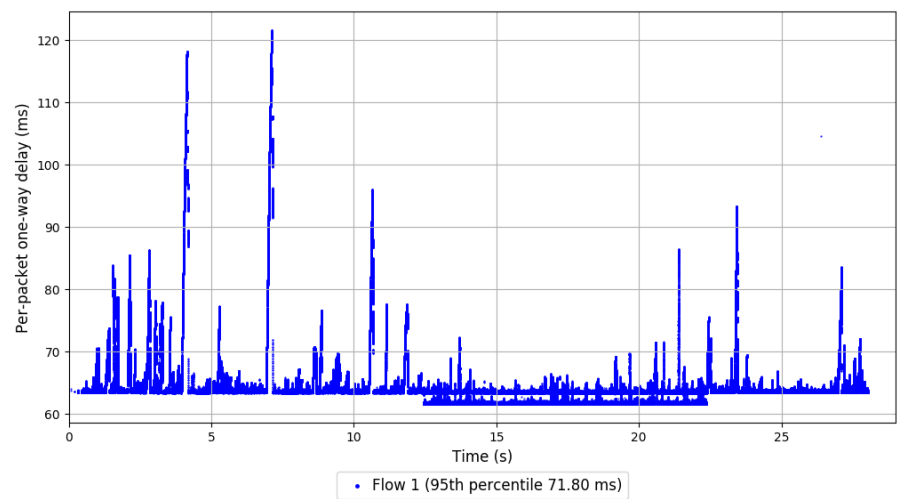
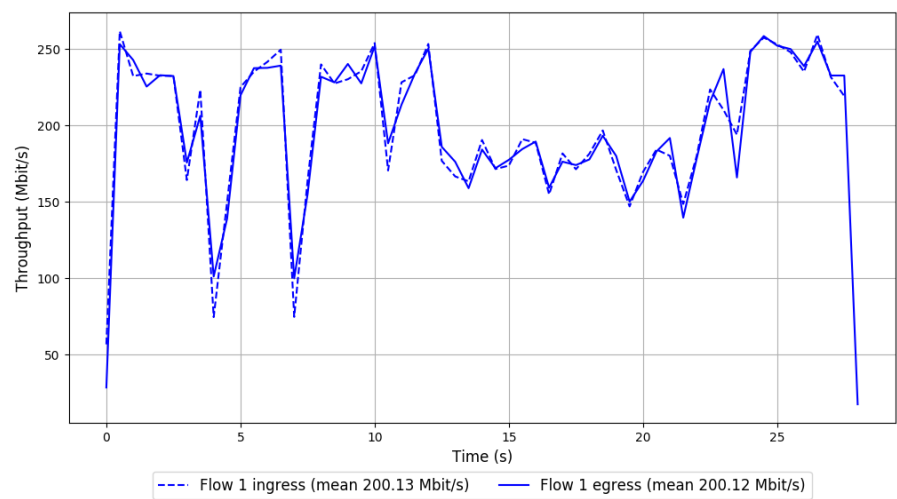
-- Flow 1:

Average throughput: 200.12 Mbit/s

95th percentile per-packet one-way delay: 71.804 ms

Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-26 06:14:17

End at: 2018-01-26 06:14:47

Below is generated by plot.py at 2018-01-26 08:38:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.37 Mbit/s

95th percentile per-packet one-way delay: 63.678 ms

Loss rate: 0.00%

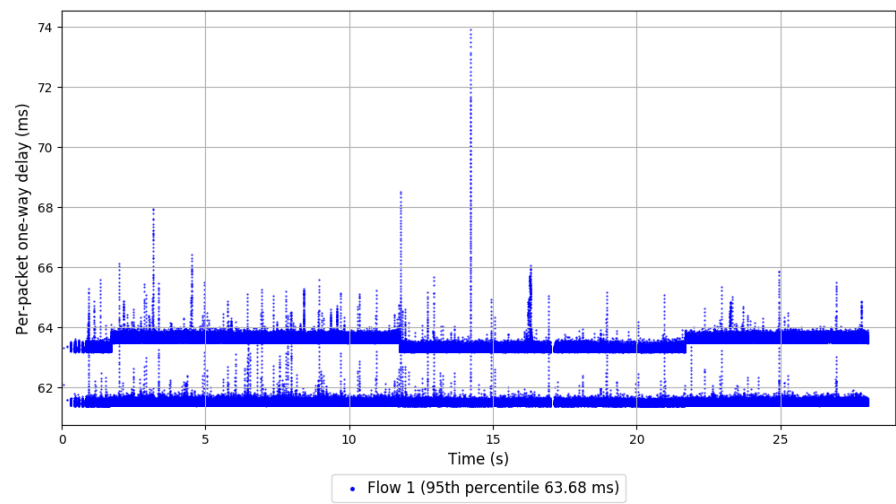
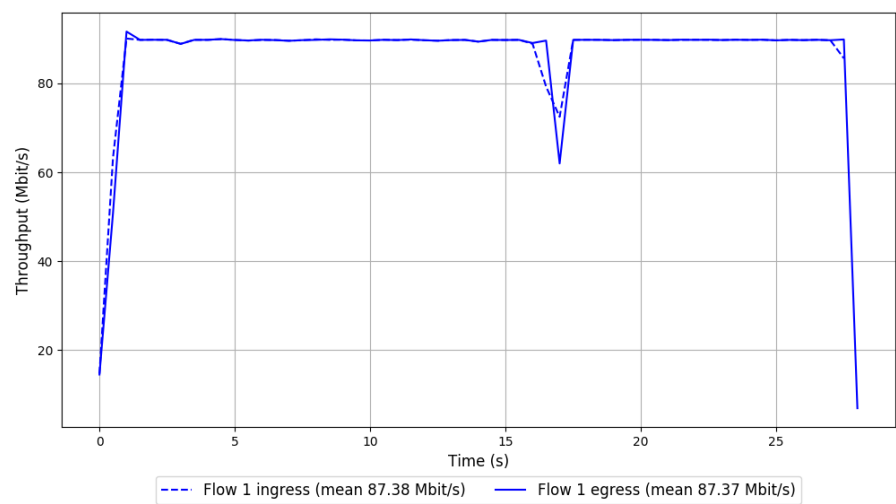
-- Flow 1:

Average throughput: 87.37 Mbit/s

95th percentile per-packet one-way delay: 63.678 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 06:26:04

End at: 2018-01-26 06:26:34

Below is generated by plot.py at 2018-01-26 08:38:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.35 Mbit/s

95th percentile per-packet one-way delay: 63.603 ms

Loss rate: 0.00%

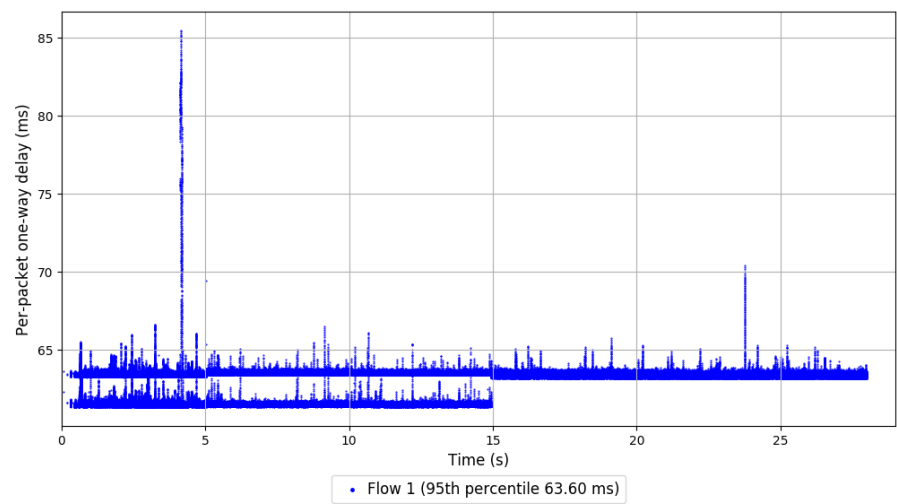
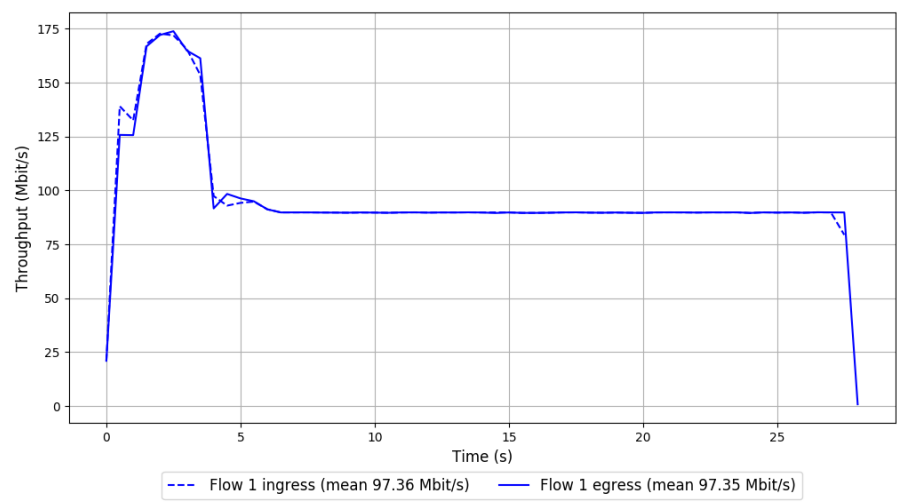
-- Flow 1:

Average throughput: 97.35 Mbit/s

95th percentile per-packet one-way delay: 63.603 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 06:37:53

End at: 2018-01-26 06:38:23

Below is generated by plot.py at 2018-01-26 08:38:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.54 Mbit/s

95th percentile per-packet one-way delay: 63.530 ms

Loss rate: 0.00%

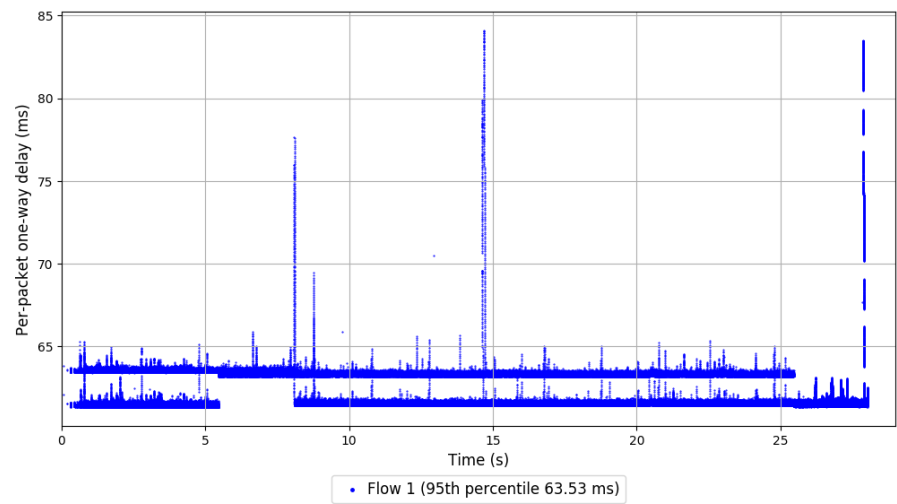
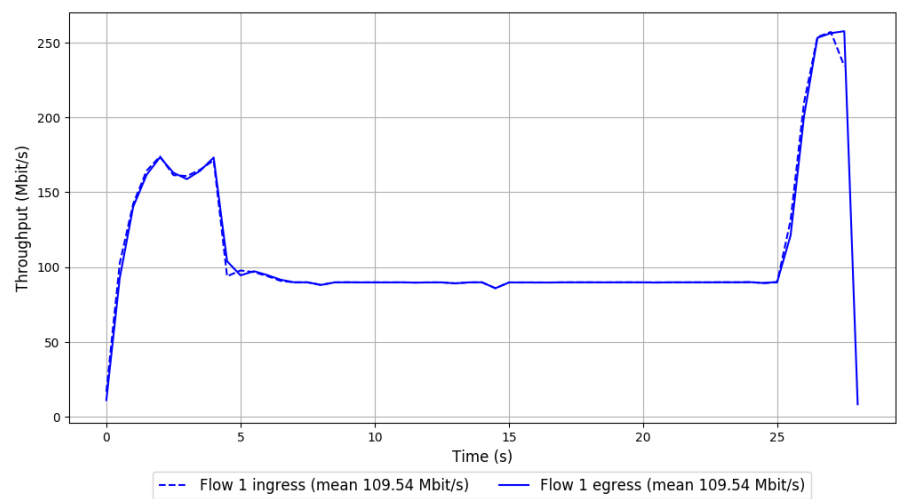
-- Flow 1:

Average throughput: 109.54 Mbit/s

95th percentile per-packet one-way delay: 63.530 ms

Loss rate: 0.00%

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

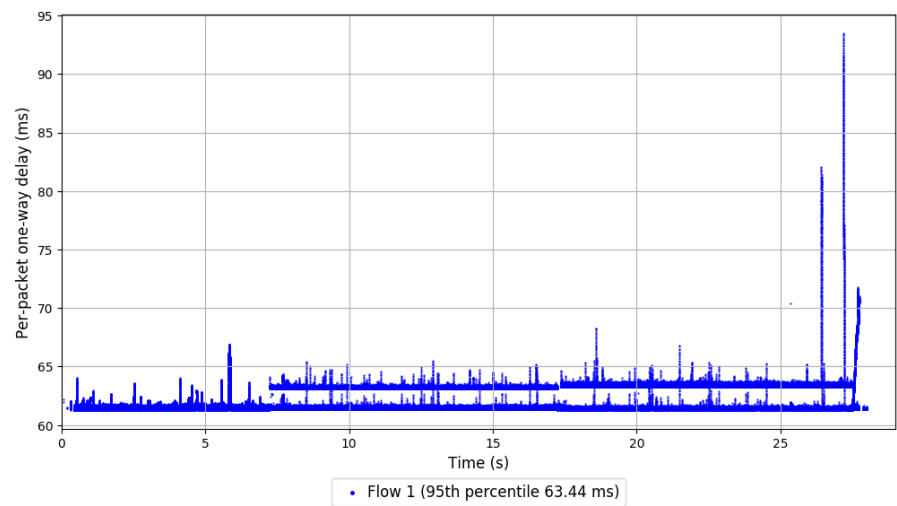
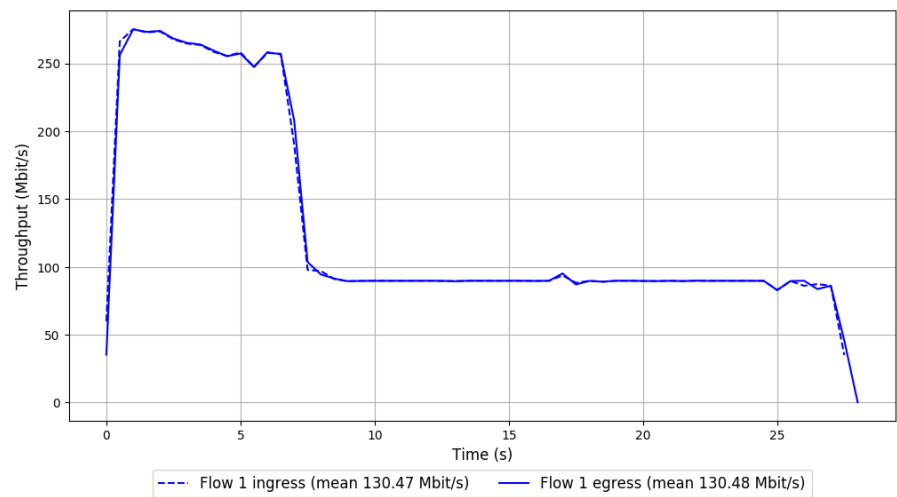


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 06:49:41
End at: 2018-01-26 06:50:11

# Below is generated by plot.py at 2018-01-26 08:39:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.48 Mbit/s
95th percentile per-packet one-way delay: 63.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.48 Mbit/s
95th percentile per-packet one-way delay: 63.439 ms
Loss rate: 0.00%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 07:01:42

End at: 2018-01-26 07:02:12

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.62 Mbit/s

95th percentile per-packet one-way delay: 62.171 ms

Loss rate: 0.00%

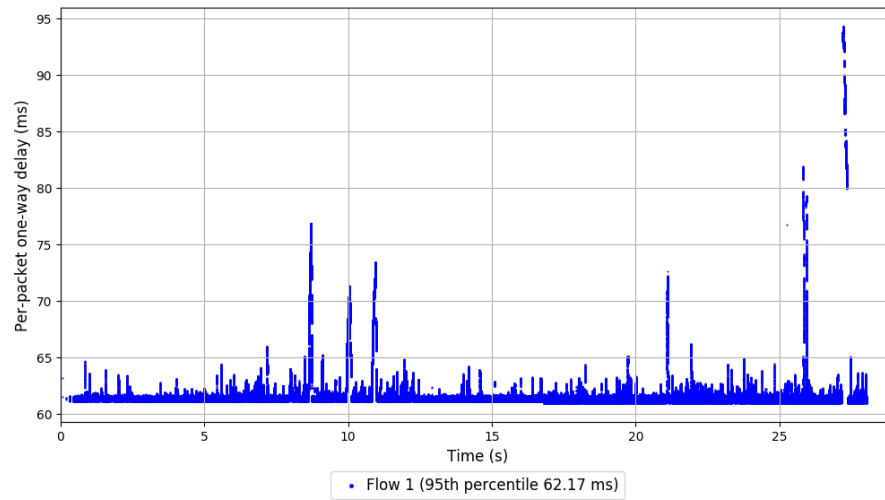
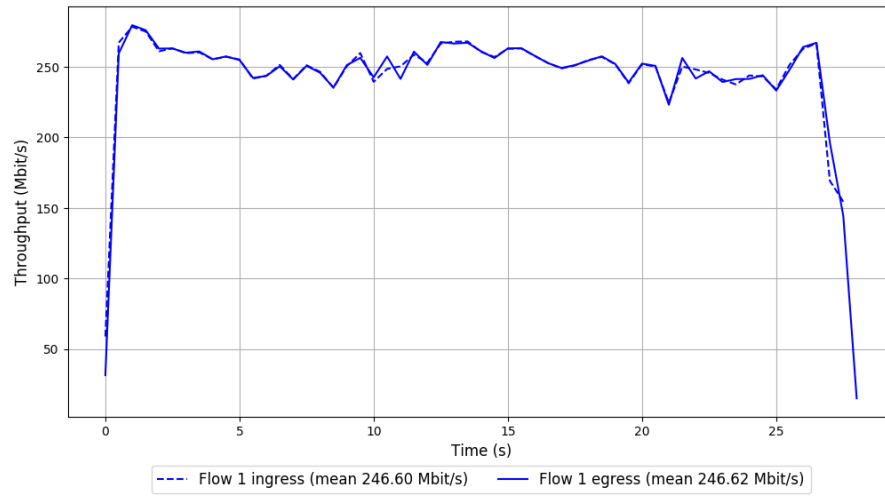
-- Flow 1:

Average throughput: 246.62 Mbit/s

95th percentile per-packet one-way delay: 62.171 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-26 07:13:48

End at: 2018-01-26 07:14:18

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.79 Mbit/s

95th percentile per-packet one-way delay: 63.459 ms

Loss rate: 0.00%

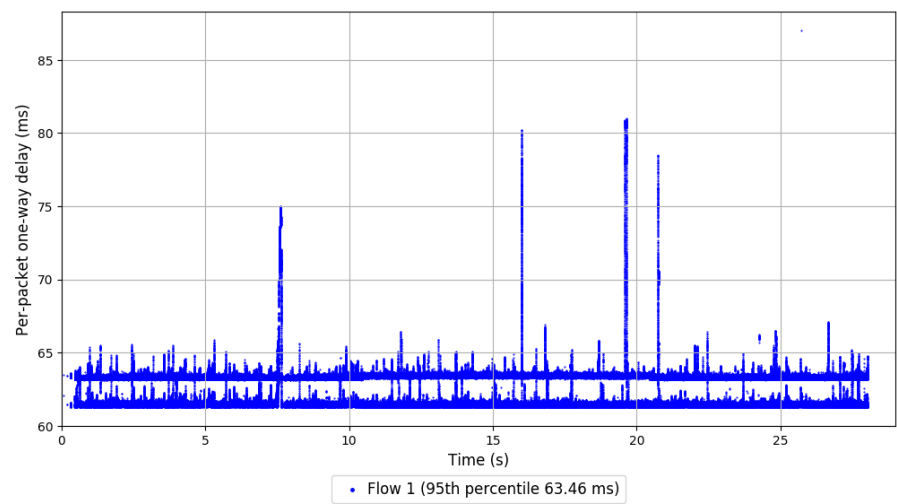
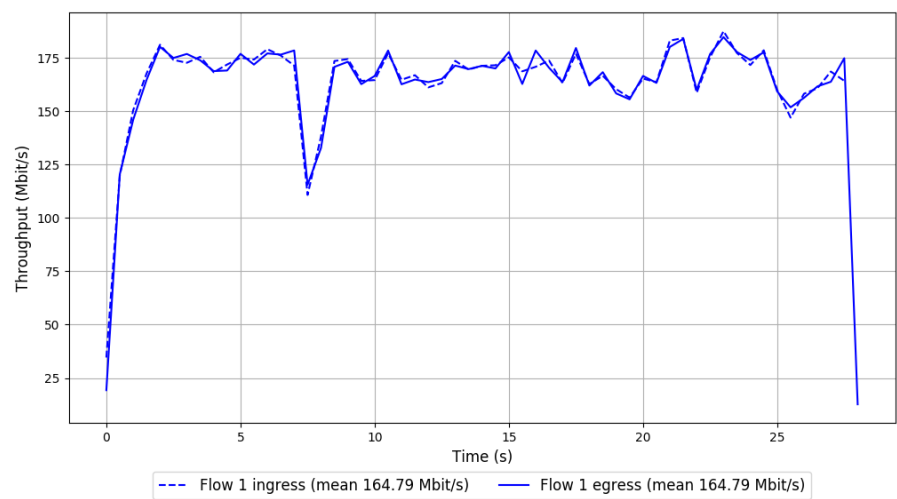
-- Flow 1:

Average throughput: 164.79 Mbit/s

95th percentile per-packet one-way delay: 63.459 ms

Loss rate: 0.00%

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

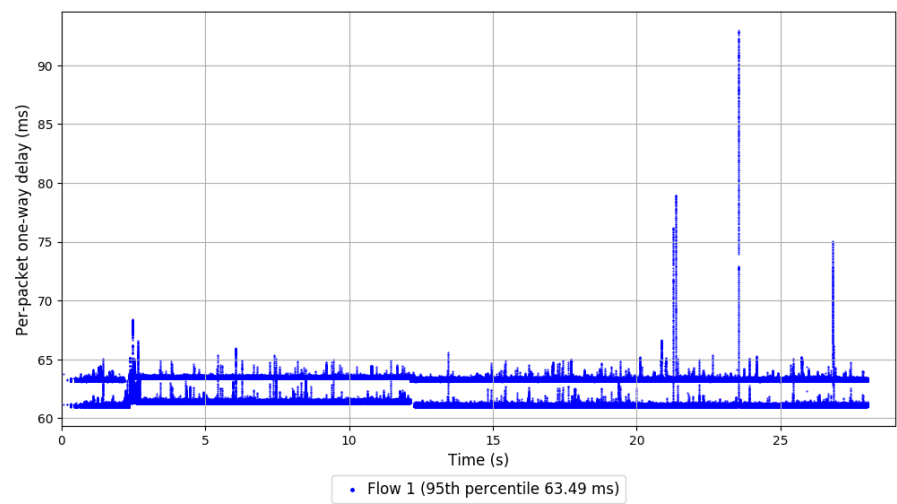
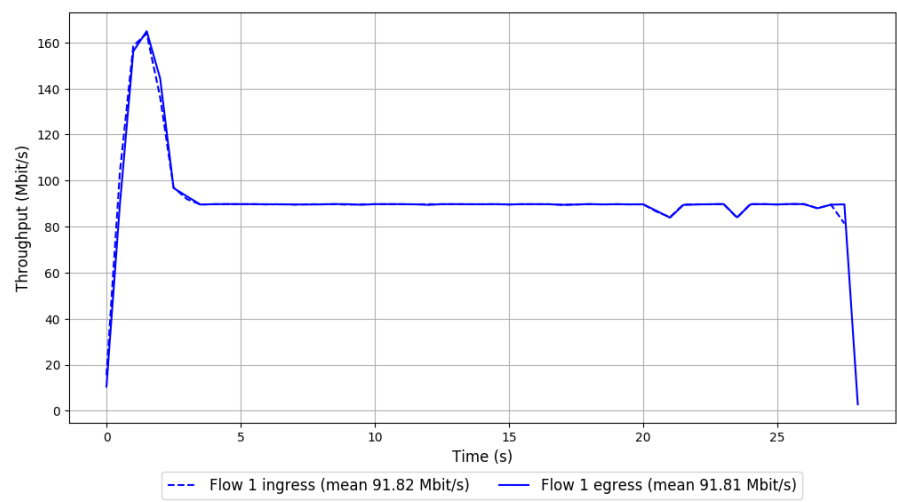


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 07:25:47
End at: 2018-01-26 07:26:17

# Below is generated by plot.py at 2018-01-26 08:43:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 63.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 63.490 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 05:36:45

End at: 2018-01-26 05:37:15

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.97 Mbit/s

95th percentile per-packet one-way delay: 64.285 ms

Loss rate: 0.00%

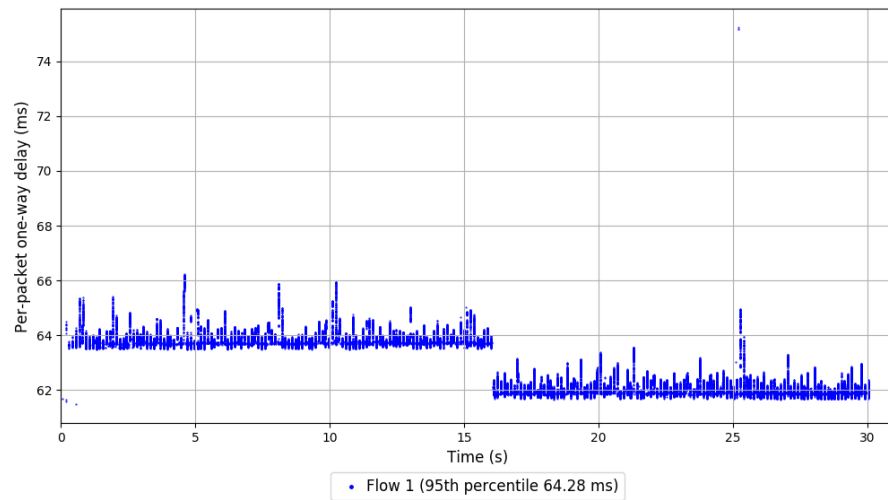
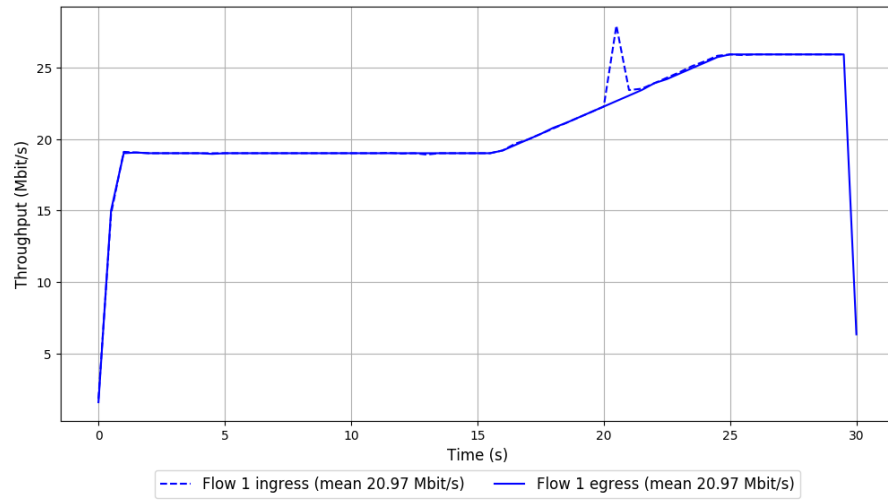
-- Flow 1:

Average throughput: 20.97 Mbit/s

95th percentile per-packet one-way delay: 64.285 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 05:48:46

End at: 2018-01-26 05:49:16

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 72.232 ms

Loss rate: 0.50%

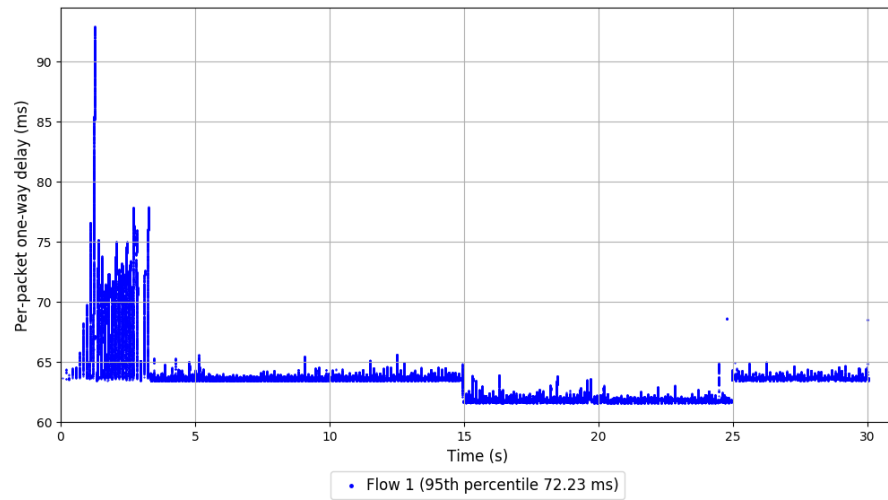
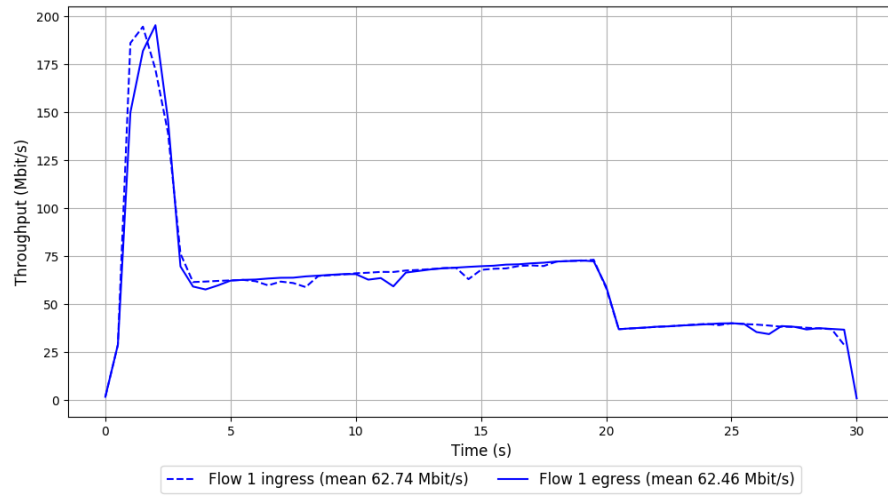
-- Flow 1:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 72.232 ms

Loss rate: 0.50%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 06:00:51

End at: 2018-01-26 06:01:21

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 64.205 ms

Loss rate: 0.00%

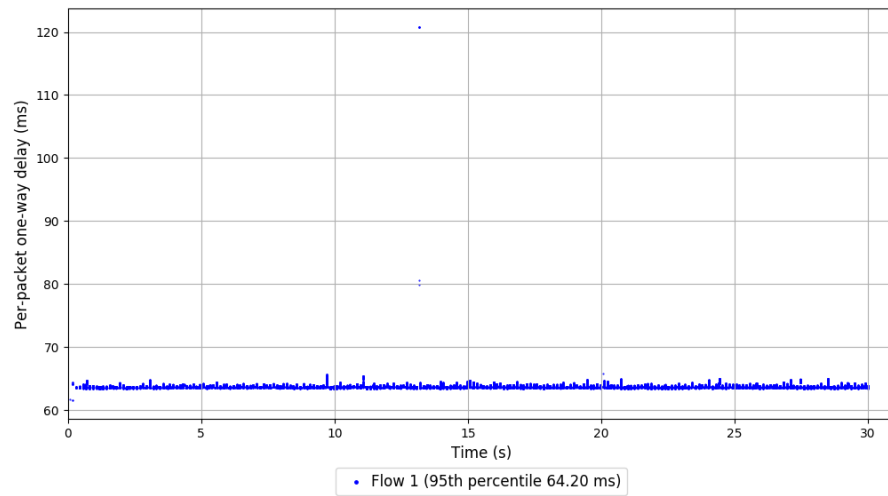
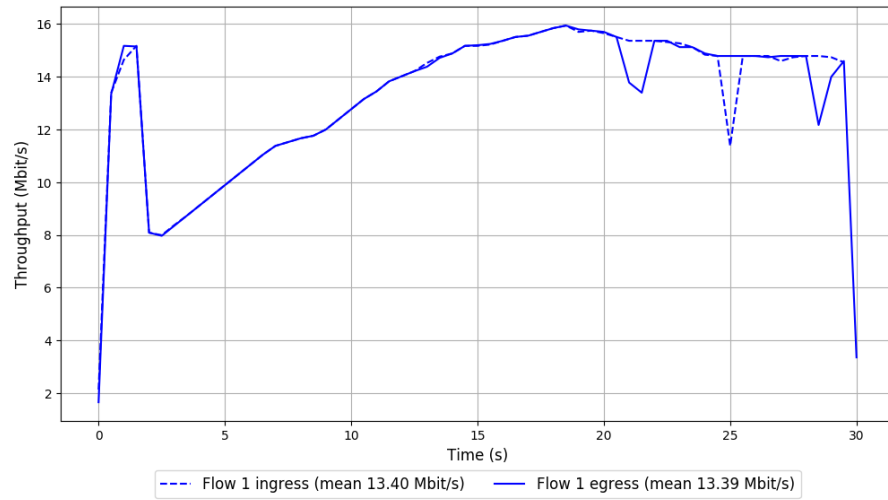
-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 64.205 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 06:12:59

End at: 2018-01-26 06:13:29

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.44 Mbit/s

95th percentile per-packet one-way delay: 64.090 ms

Loss rate: 0.01%

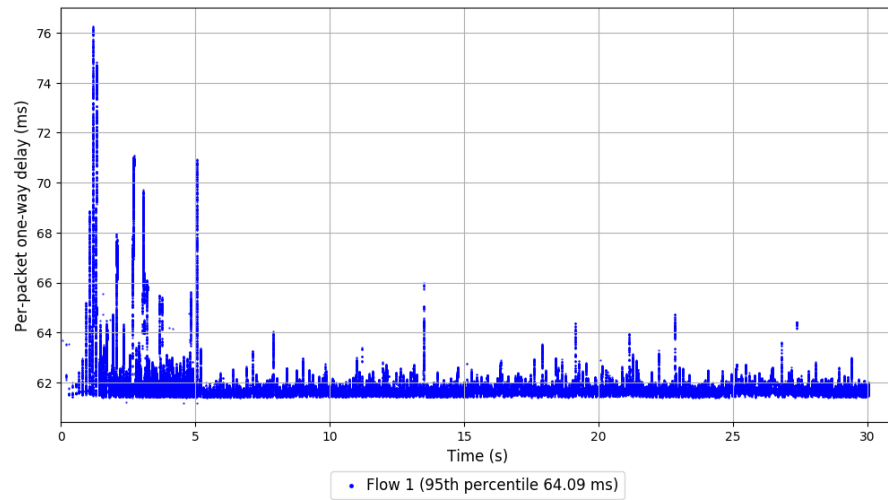
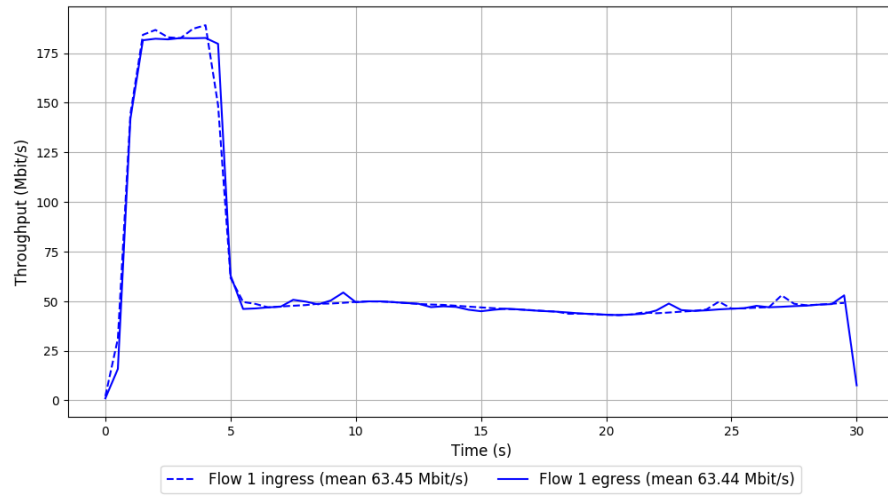
-- Flow 1:

Average throughput: 63.44 Mbit/s

95th percentile per-packet one-way delay: 64.090 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 06:24:42

End at: 2018-01-26 06:25:12

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.03 Mbit/s

95th percentile per-packet one-way delay: 62.428 ms

Loss rate: 0.00%

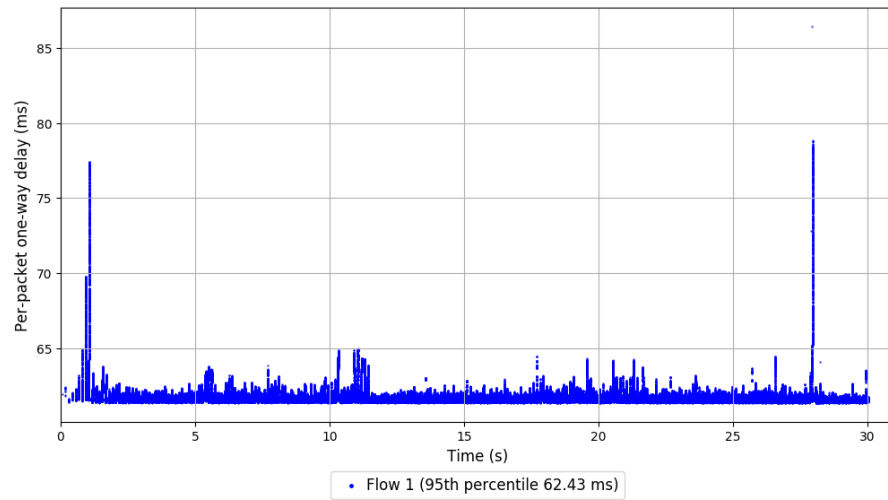
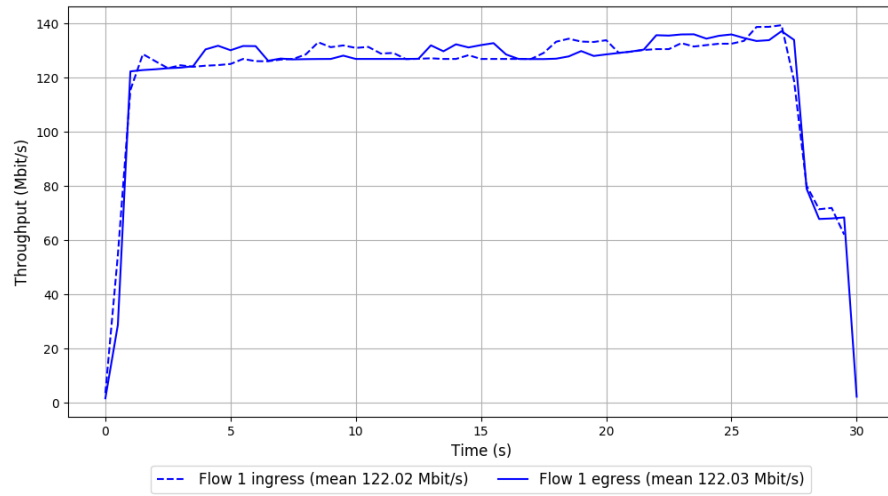
-- Flow 1:

Average throughput: 122.03 Mbit/s

95th percentile per-packet one-way delay: 62.428 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 06:36:34

End at: 2018-01-26 06:37:04

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 63.616 ms

Loss rate: 0.00%

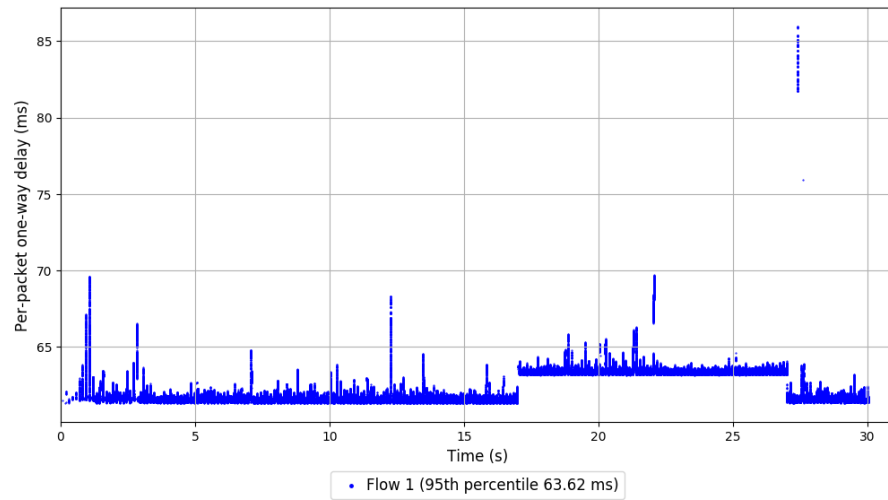
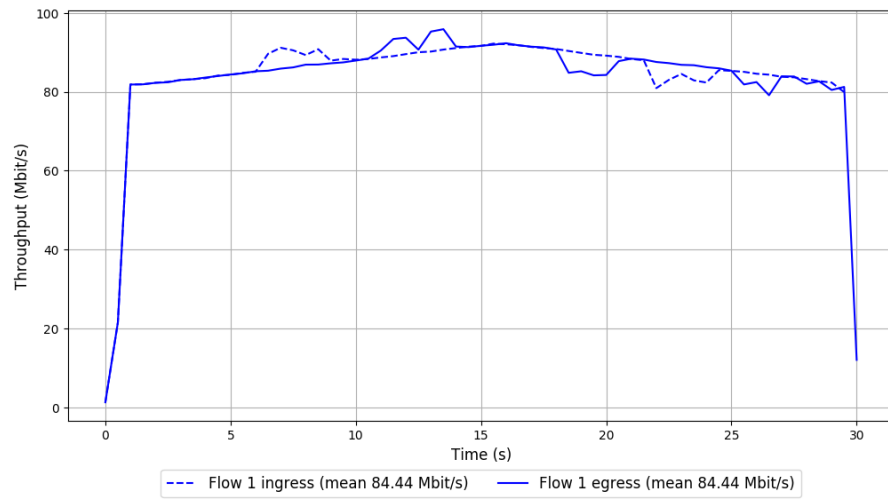
-- Flow 1:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 63.616 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 06:48:24

End at: 2018-01-26 06:48:54

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.91 Mbit/s

95th percentile per-packet one-way delay: 71.511 ms

Loss rate: 0.47%

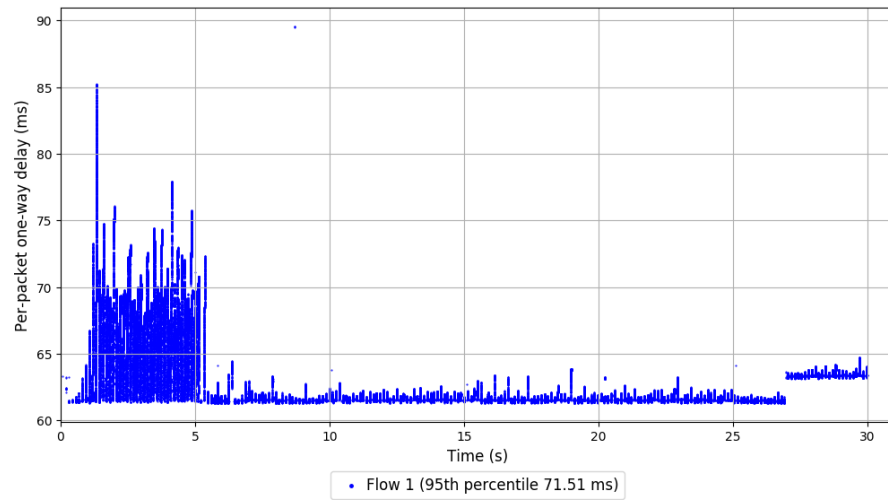
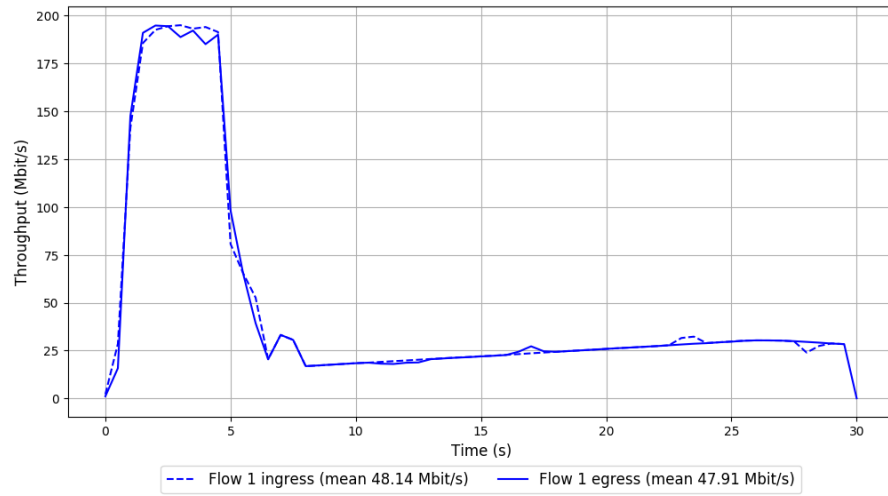
-- Flow 1:

Average throughput: 47.91 Mbit/s

95th percentile per-packet one-way delay: 71.511 ms

Loss rate: 0.47%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 07:00:21

End at: 2018-01-26 07:00:51

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.42 Mbit/s

95th percentile per-packet one-way delay: 64.630 ms

Loss rate: 0.00%

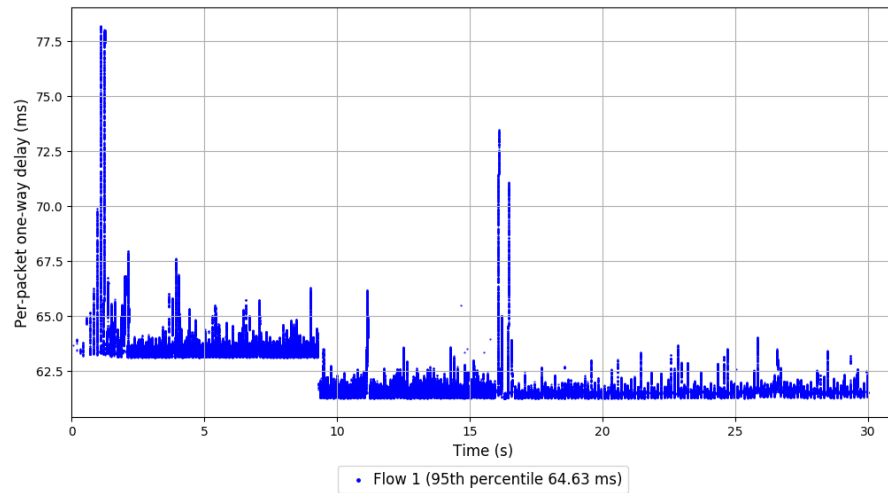
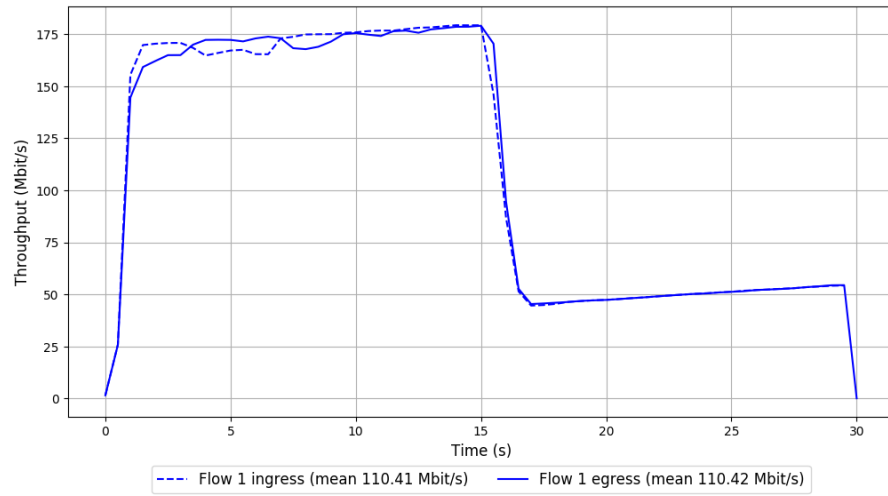
-- Flow 1:

Average throughput: 110.42 Mbit/s

95th percentile per-packet one-way delay: 64.630 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 07:12:30

End at: 2018-01-26 07:13:00

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.22 Mbit/s

95th percentile per-packet one-way delay: 70.962 ms

Loss rate: 0.64%

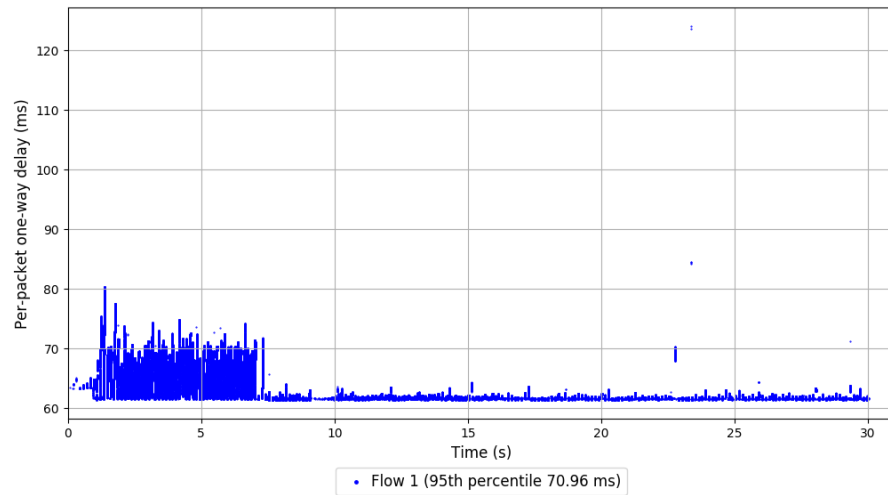
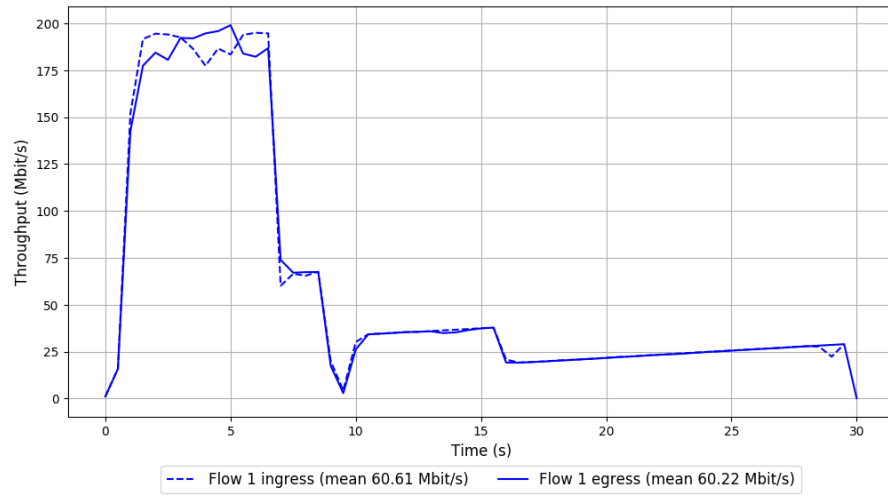
-- Flow 1:

Average throughput: 60.22 Mbit/s

95th percentile per-packet one-way delay: 70.962 ms

Loss rate: 0.64%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 07:24:26

End at: 2018-01-26 07:24:56

Below is generated by plot.py at 2018-01-26 08:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.76 Mbit/s

95th percentile per-packet one-way delay: 64.098 ms

Loss rate: 0.00%

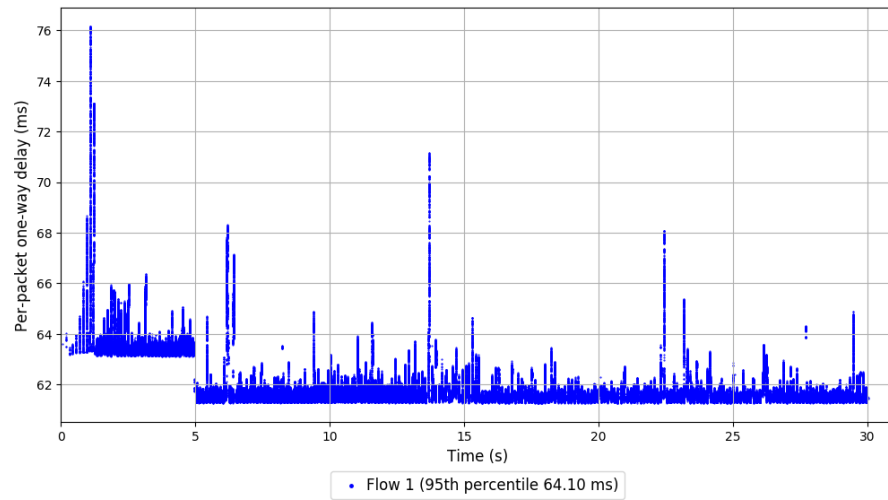
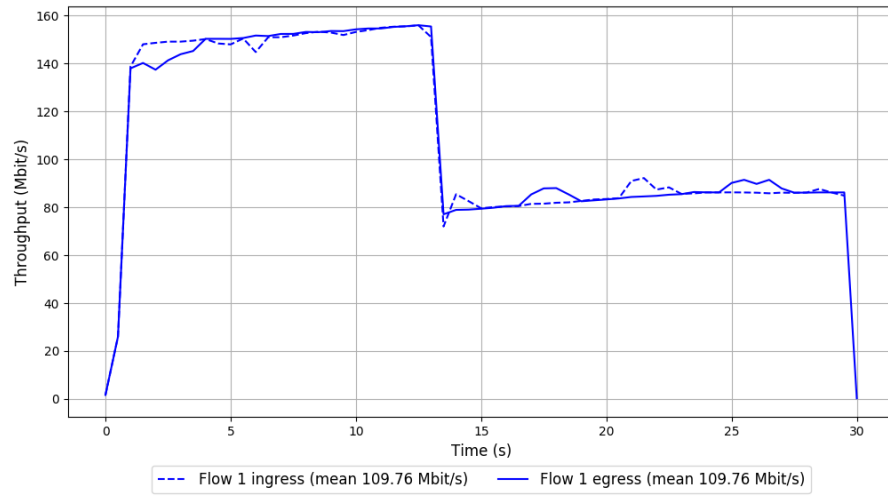
-- Flow 1:

Average throughput: 109.76 Mbit/s

95th percentile per-packet one-way delay: 64.098 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-26 05:35:14

End at: 2018-01-26 05:35:44

Below is generated by plot.py at 2018-01-26 08:43:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.72 Mbit/s

95th percentile per-packet one-way delay: 107.243 ms

Loss rate: 0.12%

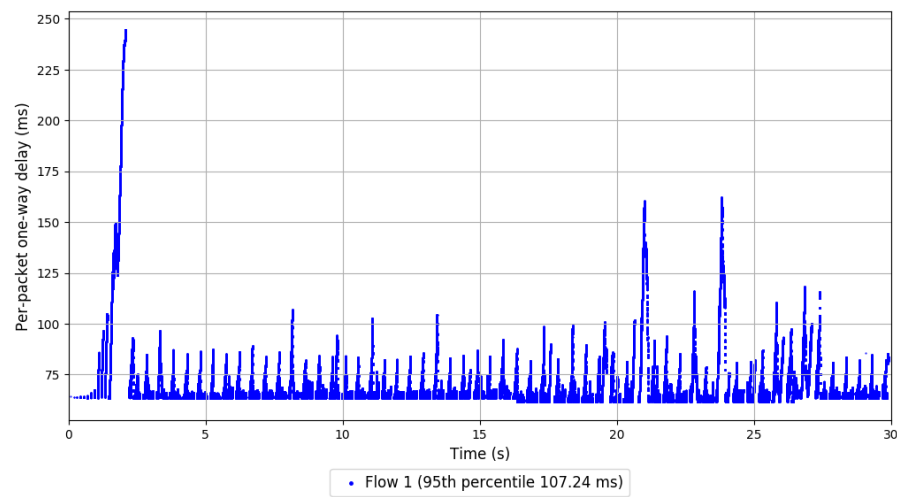
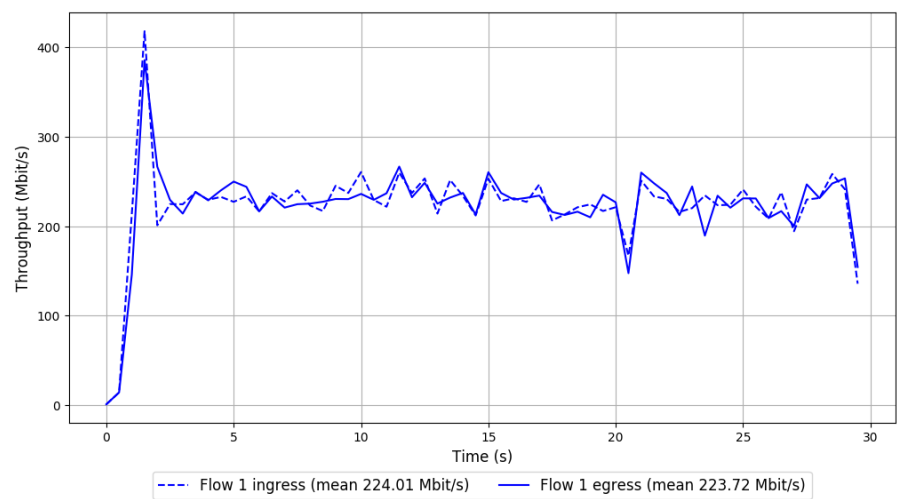
-- Flow 1:

Average throughput: 223.72 Mbit/s

95th percentile per-packet one-way delay: 107.243 ms

Loss rate: 0.12%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-26 05:47:14

End at: 2018-01-26 05:47:44

Below is generated by plot.py at 2018-01-26 08:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.50 Mbit/s

95th percentile per-packet one-way delay: 102.790 ms

Loss rate: 0.81%

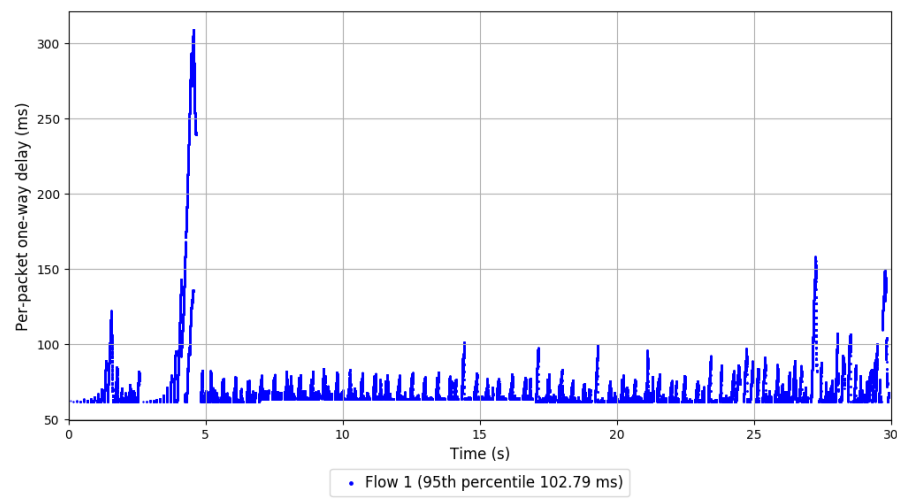
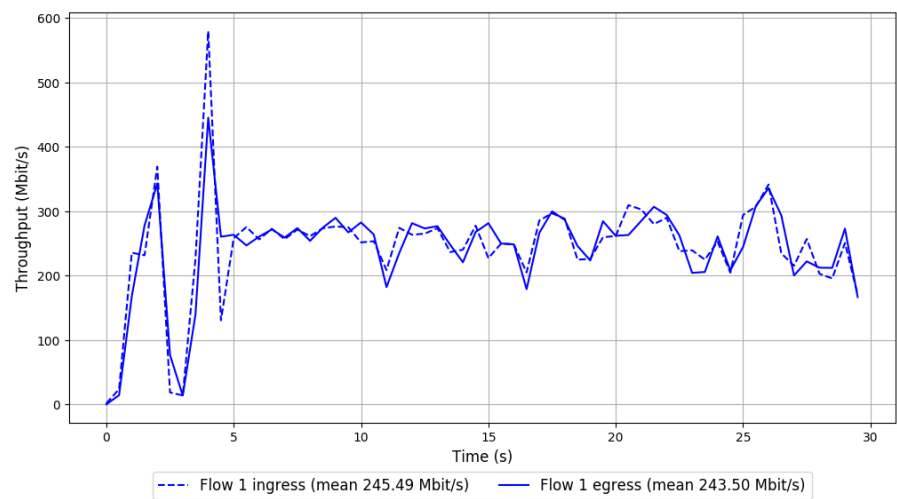
-- Flow 1:

Average throughput: 243.50 Mbit/s

95th percentile per-packet one-way delay: 102.790 ms

Loss rate: 0.81%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-26 05:59:18

End at: 2018-01-26 05:59:48

Below is generated by plot.py at 2018-01-26 08:44:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.12 Mbit/s

95th percentile per-packet one-way delay: 289.868 ms

Loss rate: 4.47%

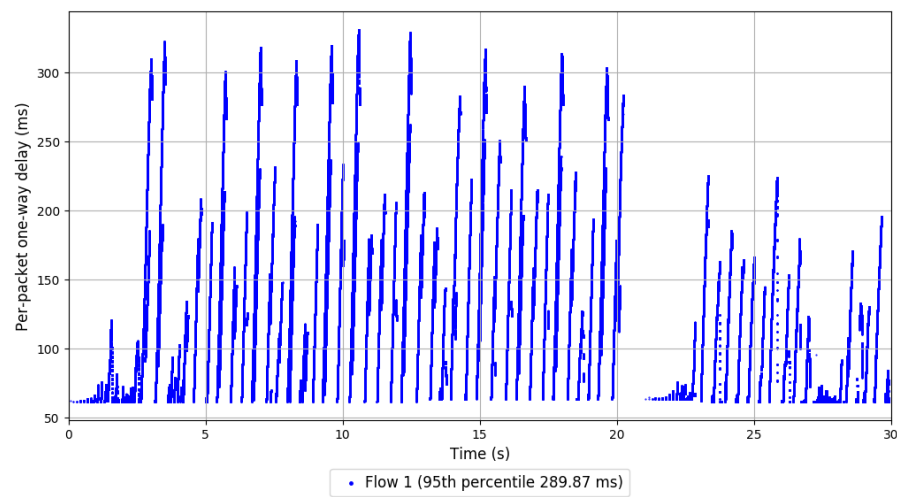
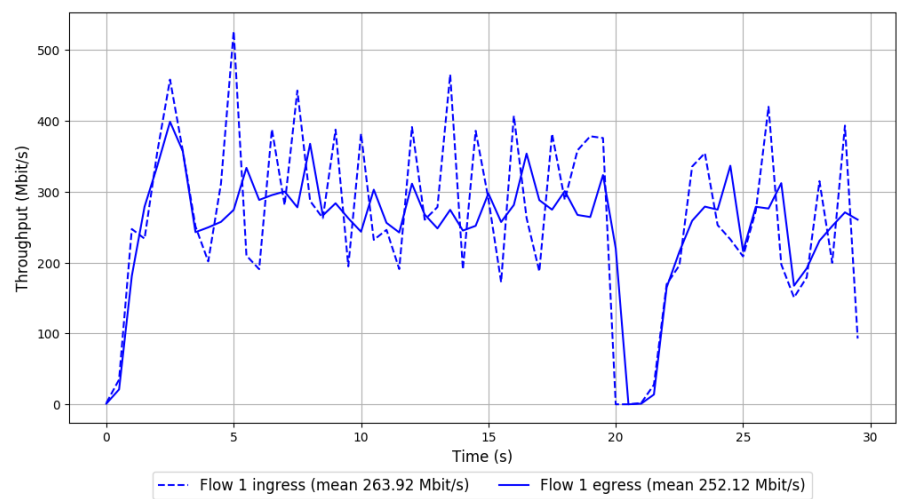
-- Flow 1:

Average throughput: 252.12 Mbit/s

95th percentile per-packet one-way delay: 289.868 ms

Loss rate: 4.47%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-26 06:11:23

End at: 2018-01-26 06:11:53

Below is generated by plot.py at 2018-01-26 08:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.50 Mbit/s

95th percentile per-packet one-way delay: 100.685 ms

Loss rate: 0.04%

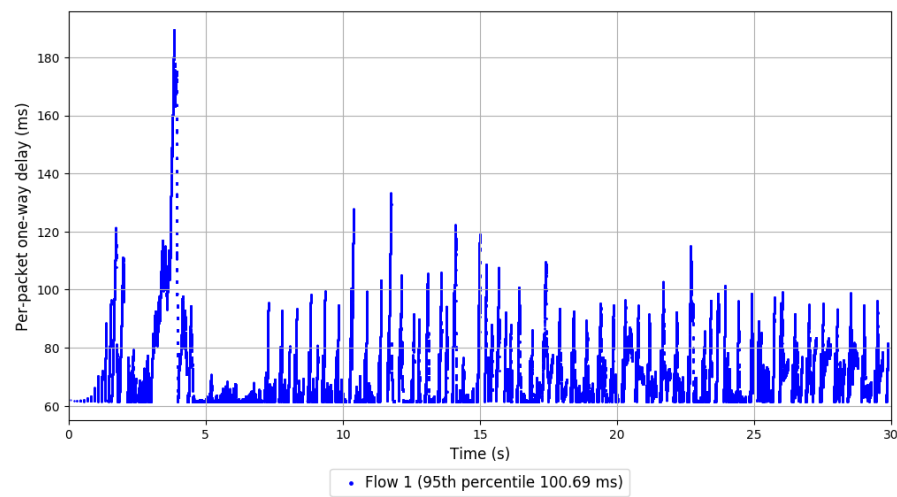
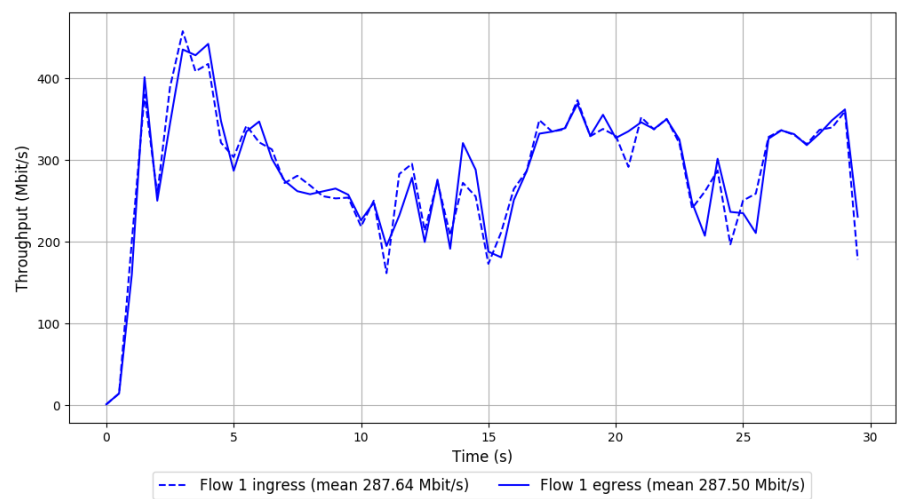
-- Flow 1:

Average throughput: 287.50 Mbit/s

95th percentile per-packet one-way delay: 100.685 ms

Loss rate: 0.04%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-26 06:23:10

End at: 2018-01-26 06:23:40

Below is generated by plot.py at 2018-01-26 08:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.81 Mbit/s

95th percentile per-packet one-way delay: 198.927 ms

Loss rate: 0.61%

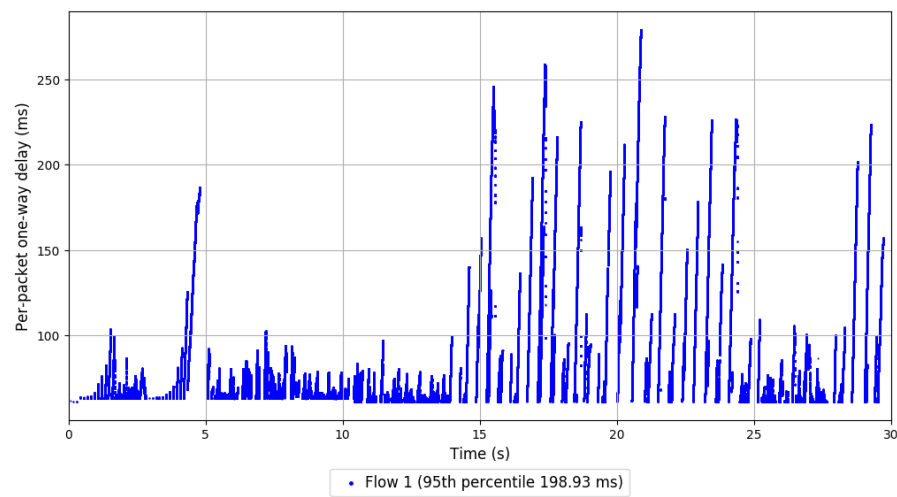
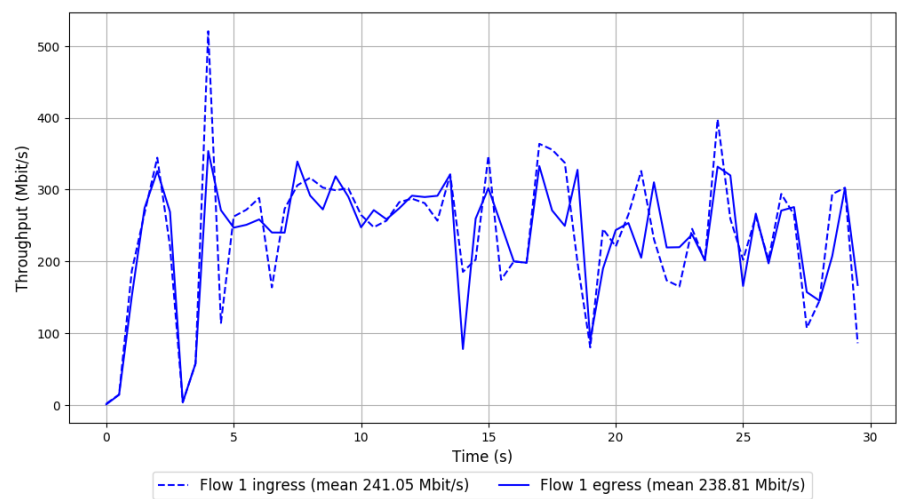
-- Flow 1:

Average throughput: 238.81 Mbit/s

95th percentile per-packet one-way delay: 198.927 ms

Loss rate: 0.61%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-26 06:35:01

End at: 2018-01-26 06:35:31

Below is generated by plot.py at 2018-01-26 08:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.15 Mbit/s

95th percentile per-packet one-way delay: 104.592 ms

Loss rate: 0.78%

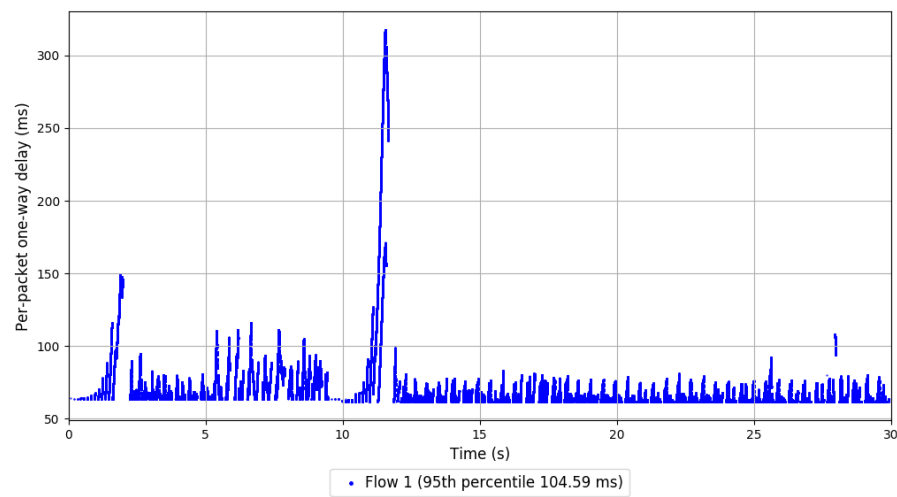
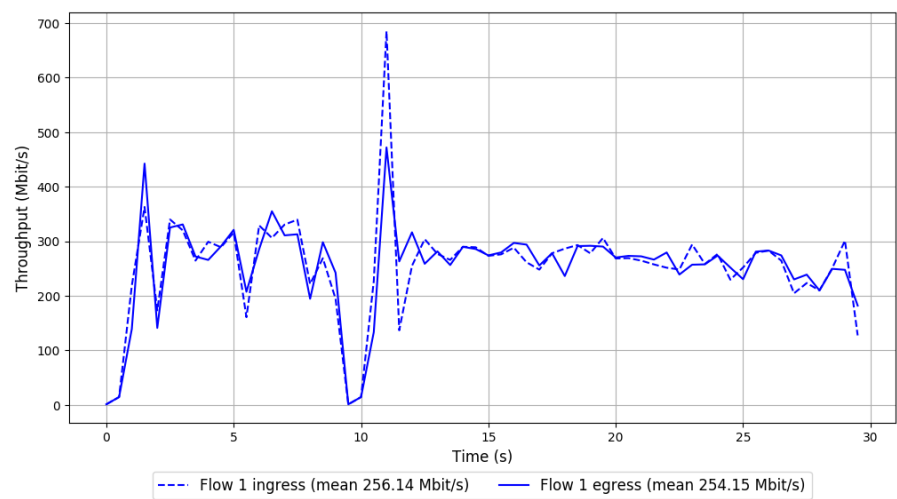
-- Flow 1:

Average throughput: 254.15 Mbit/s

95th percentile per-packet one-way delay: 104.592 ms

Loss rate: 0.78%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-26 06:46:54

End at: 2018-01-26 06:47:24

Below is generated by plot.py at 2018-01-26 08:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.97 Mbit/s

95th percentile per-packet one-way delay: 166.561 ms

Loss rate: 0.75%

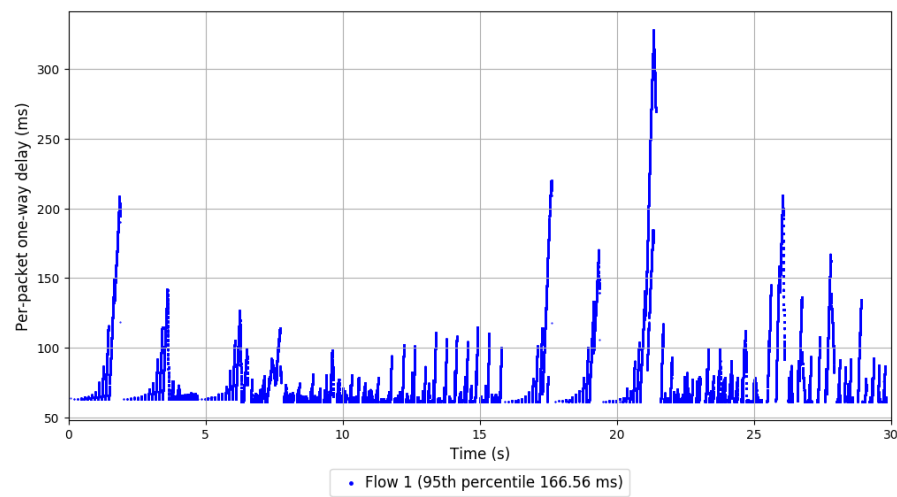
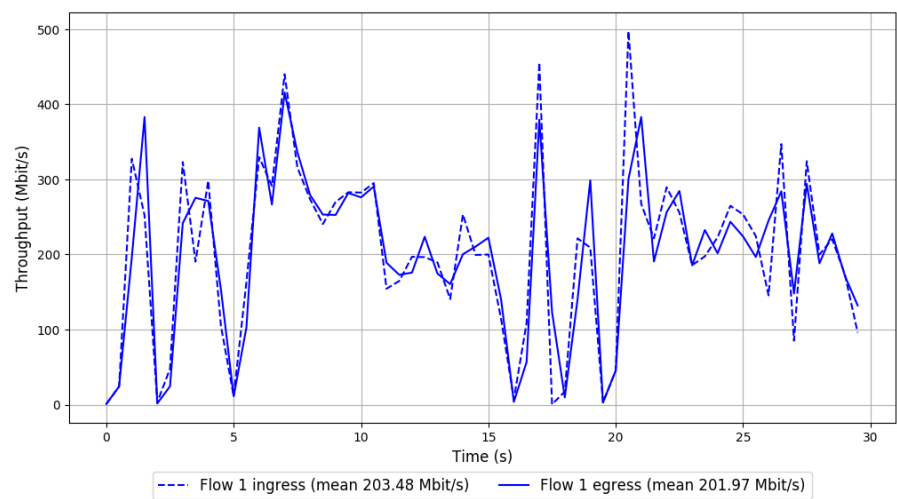
-- Flow 1:

Average throughput: 201.97 Mbit/s

95th percentile per-packet one-way delay: 166.561 ms

Loss rate: 0.75%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-26 06:58:50

End at: 2018-01-26 06:59:20

Below is generated by plot.py at 2018-01-26 08:47:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.09 Mbit/s

95th percentile per-packet one-way delay: 101.632 ms

Loss rate: 0.48%

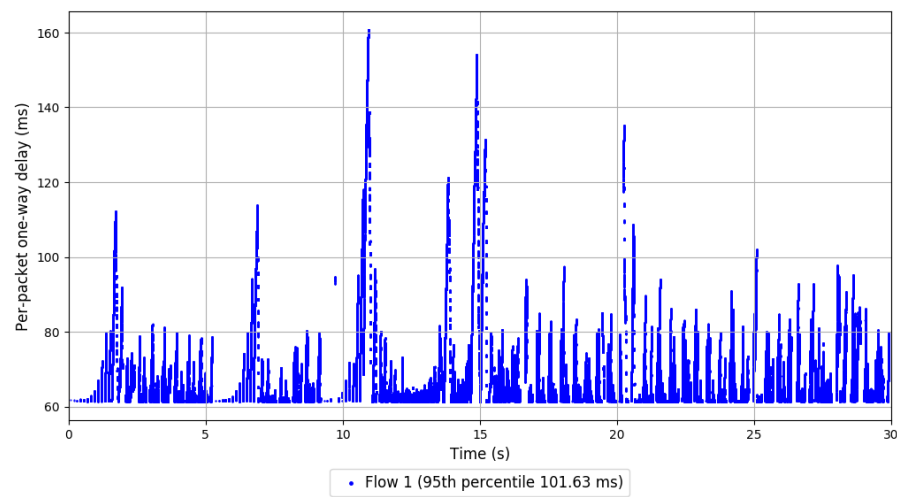
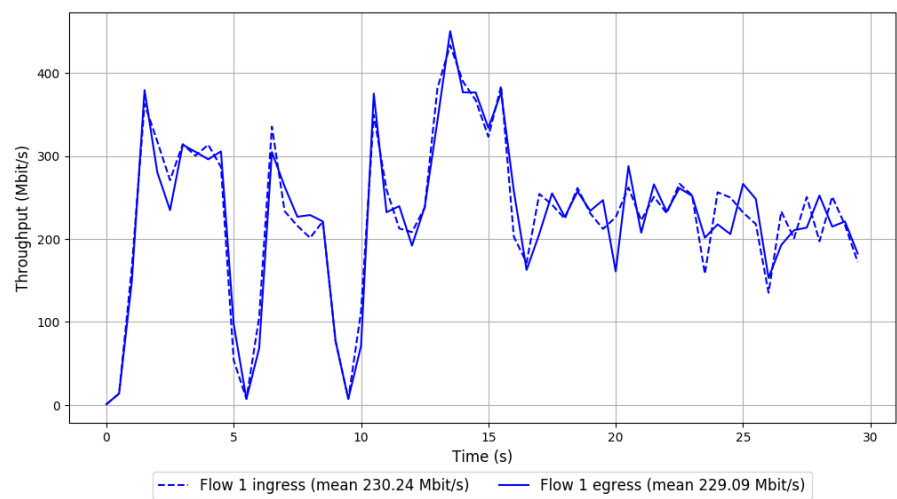
-- Flow 1:

Average throughput: 229.09 Mbit/s

95th percentile per-packet one-way delay: 101.632 ms

Loss rate: 0.48%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-26 07:11:01

End at: 2018-01-26 07:11:31

Below is generated by plot.py at 2018-01-26 08:47:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.26 Mbit/s

95th percentile per-packet one-way delay: 107.206 ms

Loss rate: 0.00%

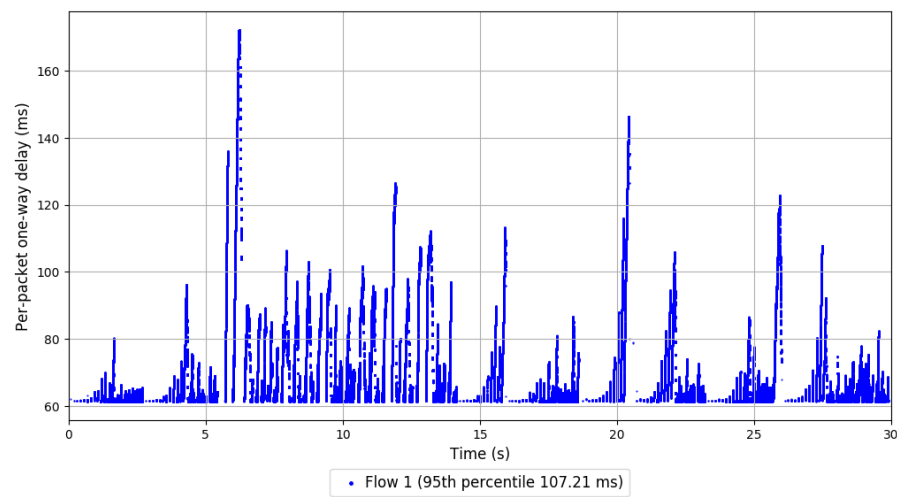
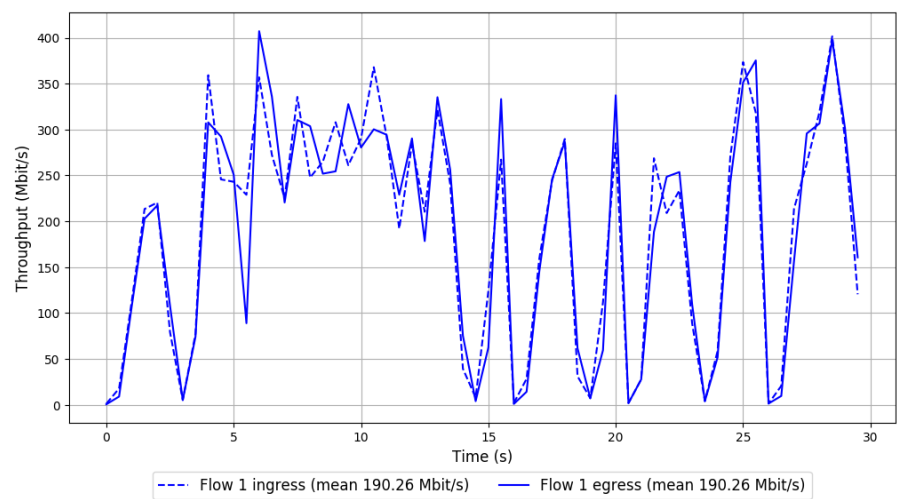
-- Flow 1:

Average throughput: 190.26 Mbit/s

95th percentile per-packet one-way delay: 107.206 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-26 07:22:56

End at: 2018-01-26 07:23:26

Below is generated by plot.py at 2018-01-26 08:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.43 Mbit/s

95th percentile per-packet one-way delay: 95.322 ms

Loss rate: 0.09%

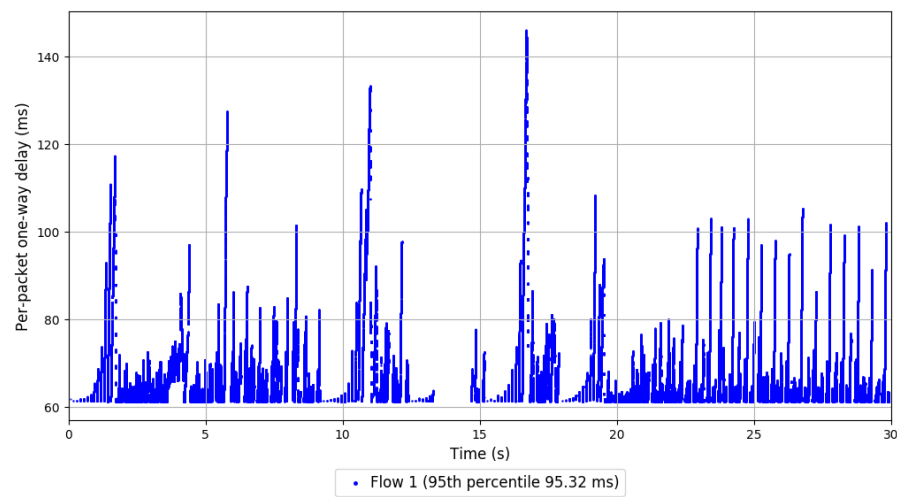
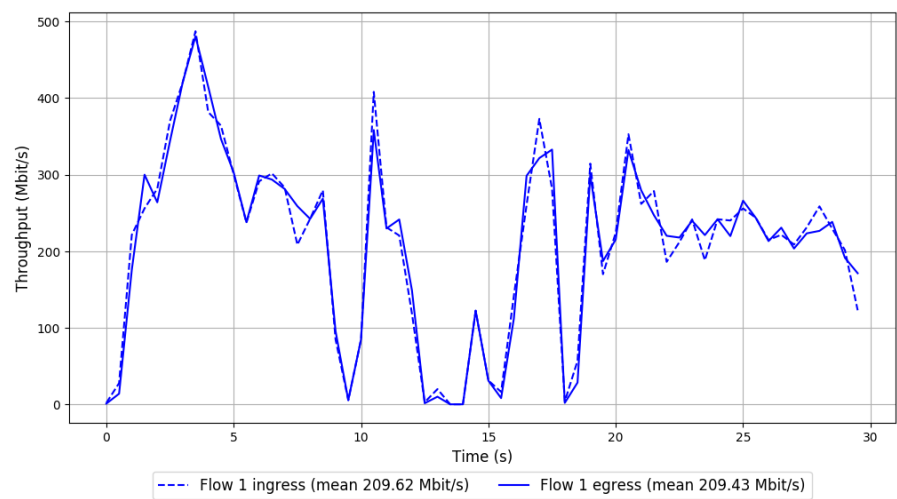
-- Flow 1:

Average throughput: 209.43 Mbit/s

95th percentile per-packet one-way delay: 95.322 ms

Loss rate: 0.09%

Run 10: Report of Verus — Data Link

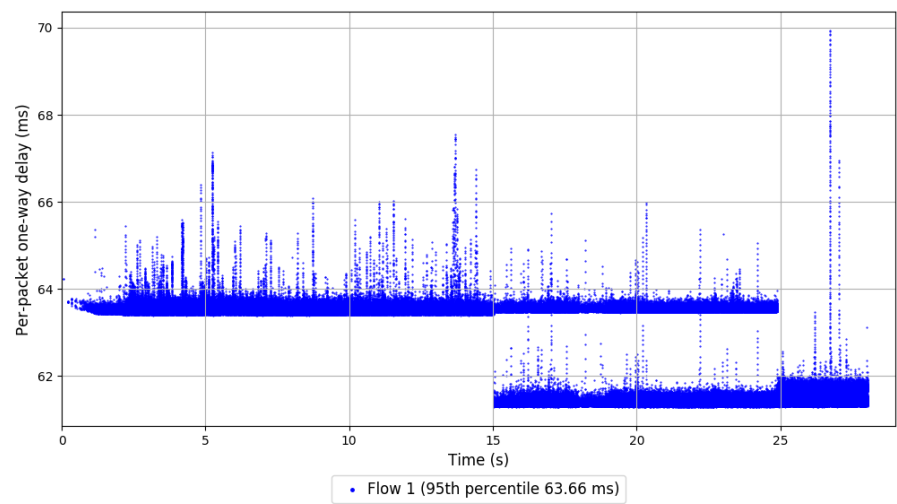
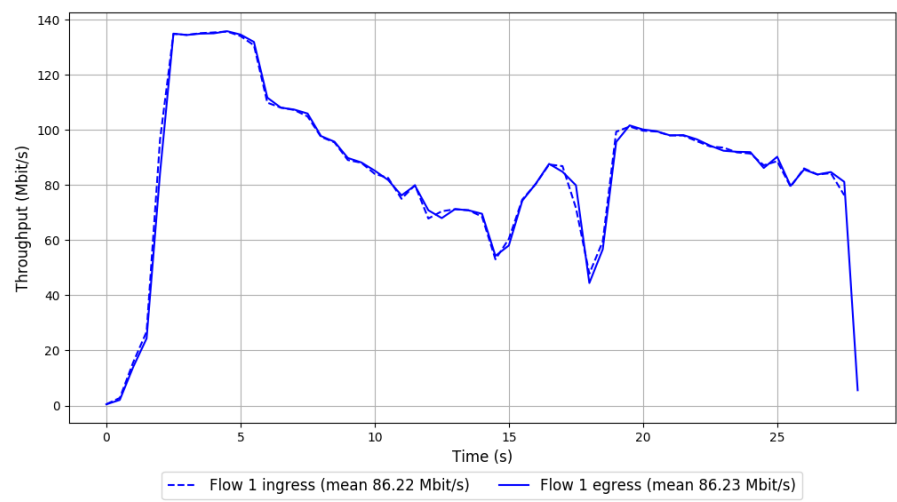


```
Run 1: Statistics of Copa

Start at: 2018-01-26 05:39:34
End at: 2018-01-26 05:40:04

# Below is generated by plot.py at 2018-01-26 08:48:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 63.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 63.661 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-26 05:51:36

End at: 2018-01-26 05:52:06

Below is generated by plot.py at 2018-01-26 08:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.97 Mbit/s

95th percentile per-packet one-way delay: 63.584 ms

Loss rate: 0.00%

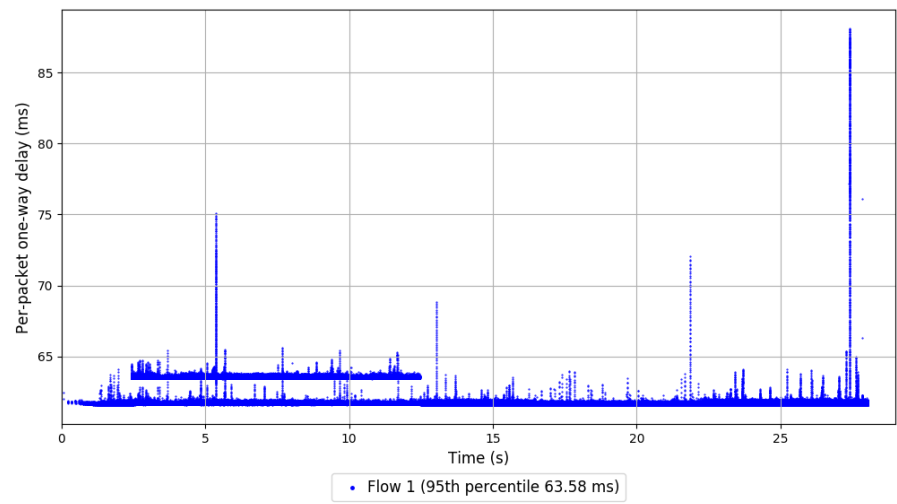
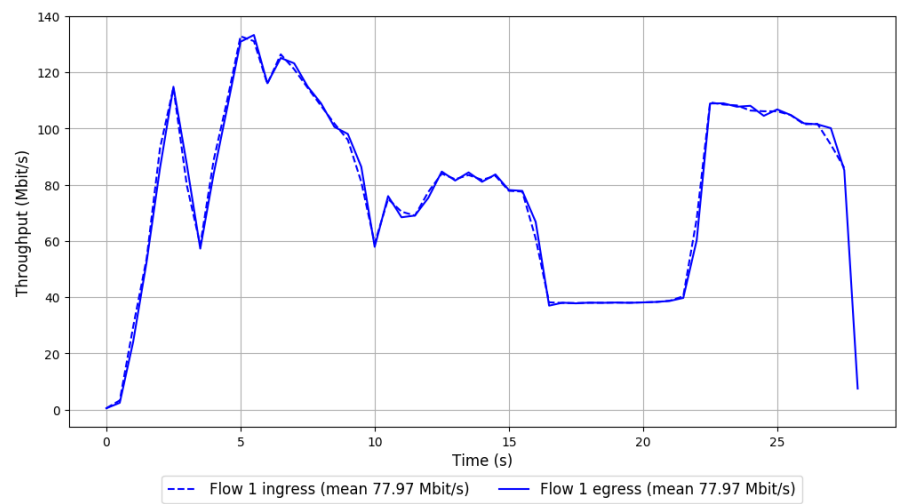
-- Flow 1:

Average throughput: 77.97 Mbit/s

95th percentile per-packet one-way delay: 63.584 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-26 06:03:39

End at: 2018-01-26 06:04:09

Below is generated by plot.py at 2018-01-26 08:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.90 Mbit/s

95th percentile per-packet one-way delay: 63.685 ms

Loss rate: 0.00%

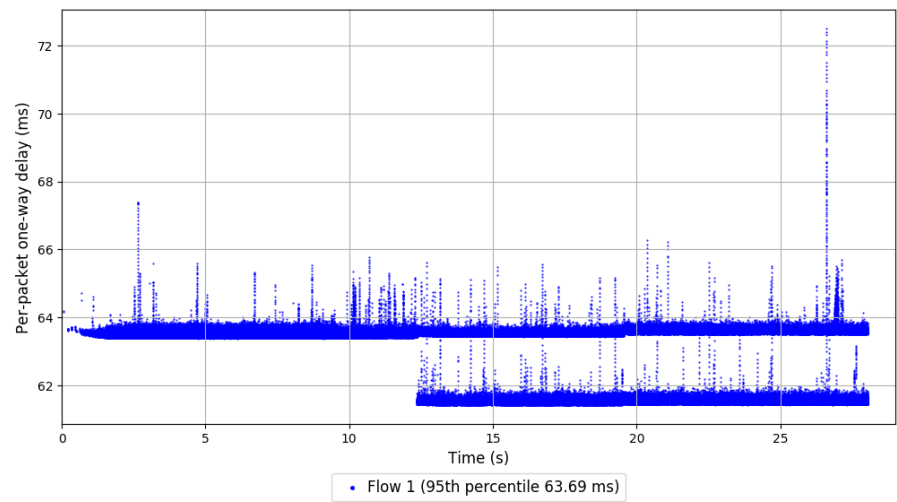
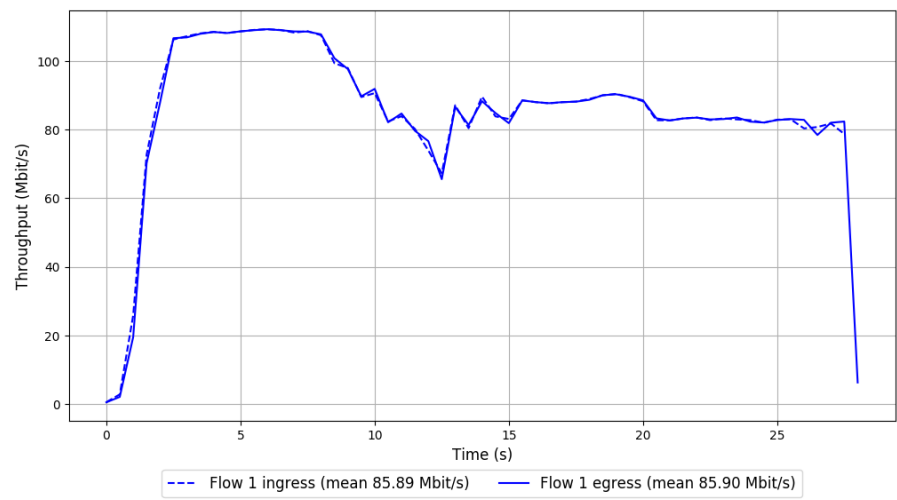
-- Flow 1:

Average throughput: 85.90 Mbit/s

95th percentile per-packet one-way delay: 63.685 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-26 06:15:41

End at: 2018-01-26 06:16:11

Below is generated by plot.py at 2018-01-26 08:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 63.348 ms

Loss rate: 0.00%

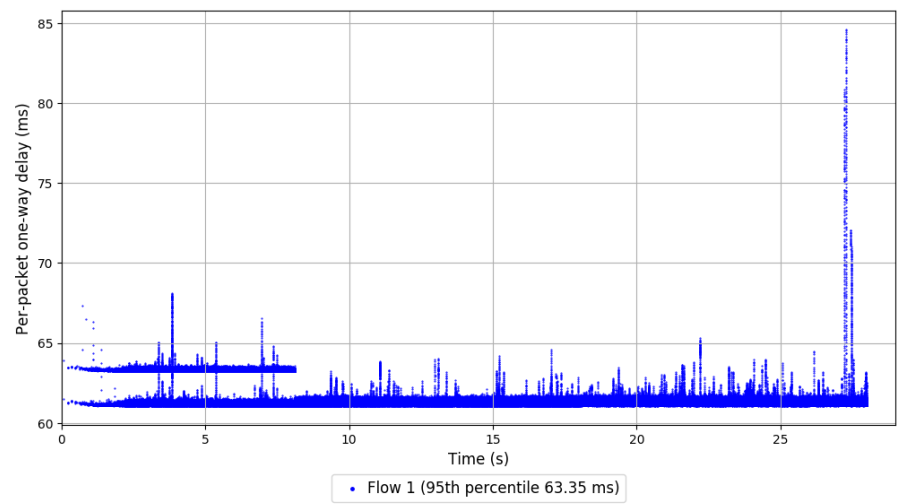
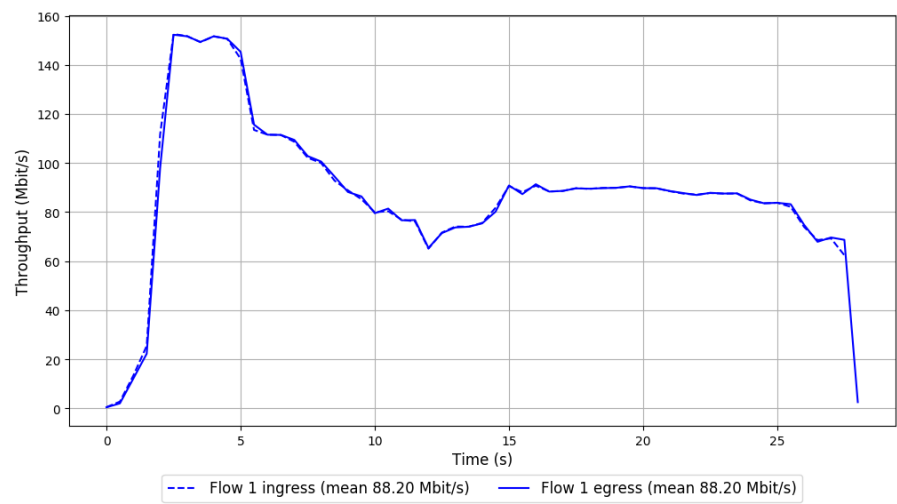
-- Flow 1:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 63.348 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-26 06:27:28

End at: 2018-01-26 06:27:58

Below is generated by plot.py at 2018-01-26 08:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.53 Mbit/s

95th percentile per-packet one-way delay: 63.485 ms

Loss rate: 0.00%

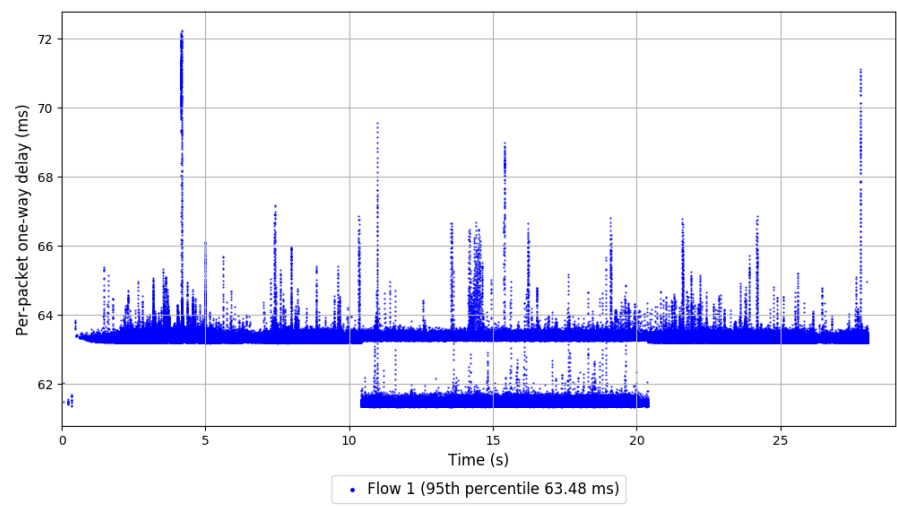
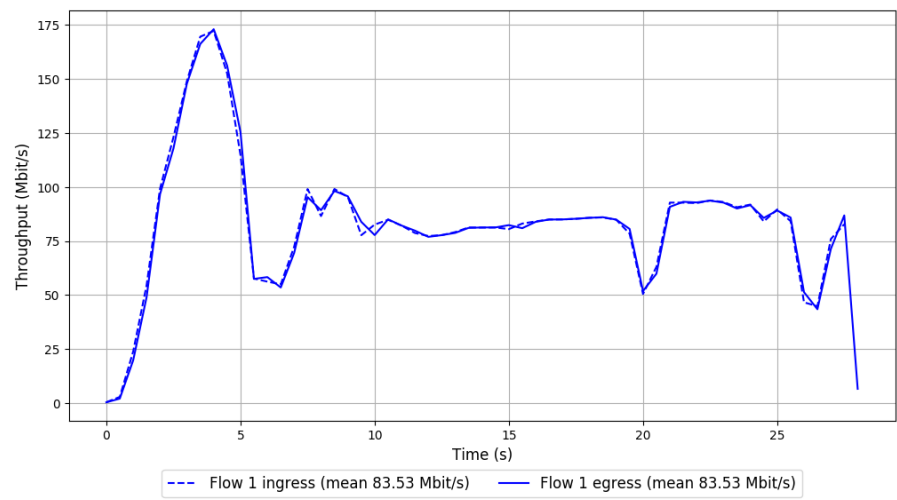
-- Flow 1:

Average throughput: 83.53 Mbit/s

95th percentile per-packet one-way delay: 63.485 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-26 06:39:19

End at: 2018-01-26 06:39:49

Below is generated by plot.py at 2018-01-26 08:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.15 Mbit/s

95th percentile per-packet one-way delay: 63.311 ms

Loss rate: 0.00%

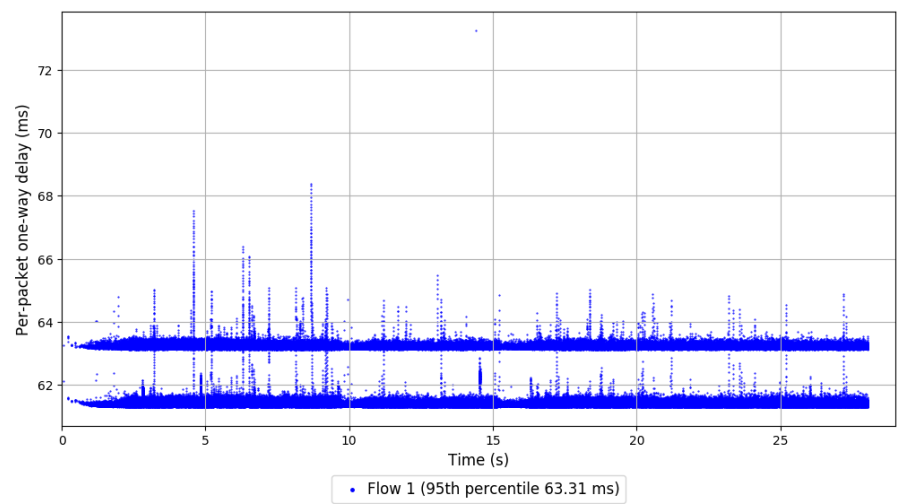
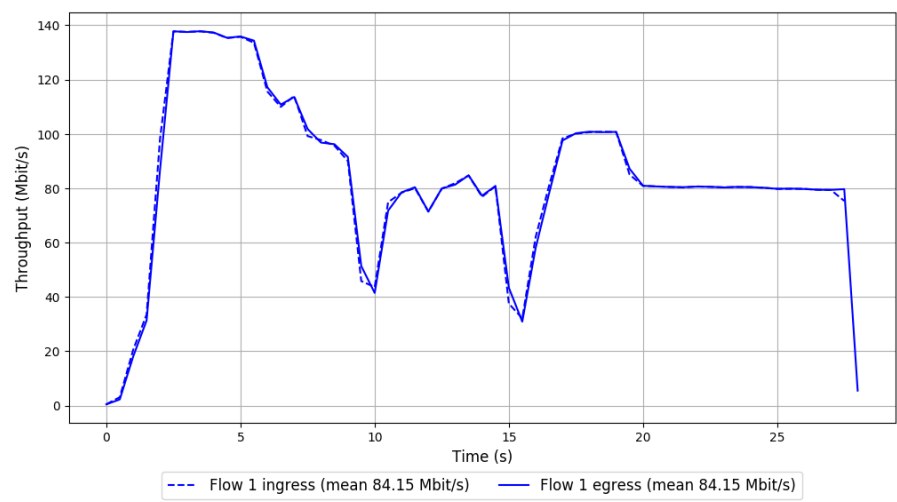
-- Flow 1:

Average throughput: 84.15 Mbit/s

95th percentile per-packet one-way delay: 63.311 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-26 06:51:09

End at: 2018-01-26 06:51:39

Below is generated by plot.py at 2018-01-26 08:49:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 63.684 ms

Loss rate: 0.00%

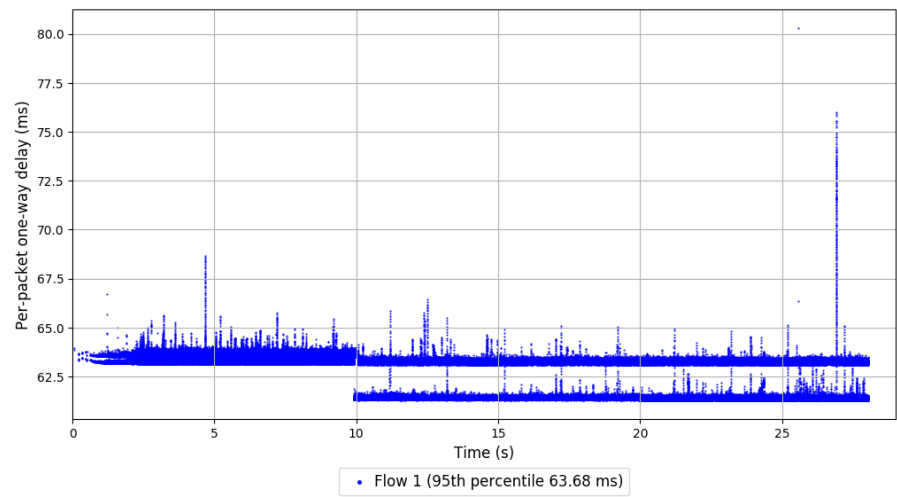
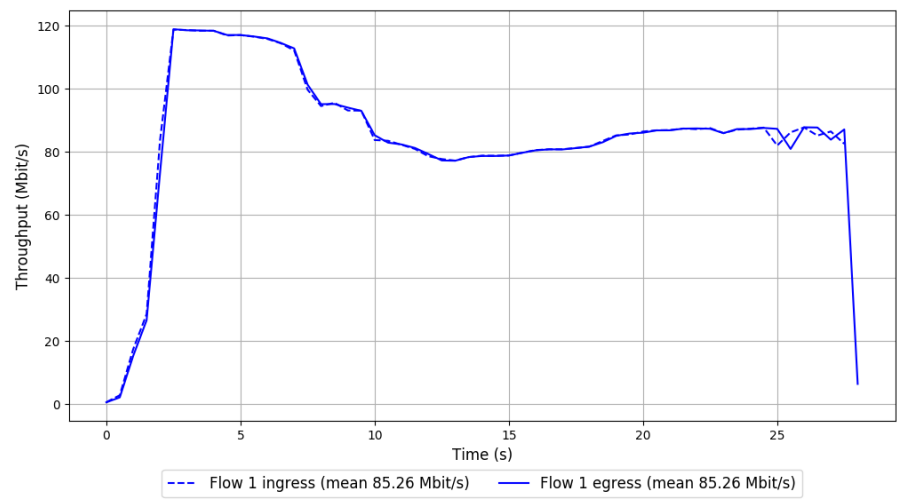
-- Flow 1:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 63.684 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-26 07:03:19

End at: 2018-01-26 07:03:49

Below is generated by plot.py at 2018-01-26 08:49:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 63.463 ms

Loss rate: 0.00%

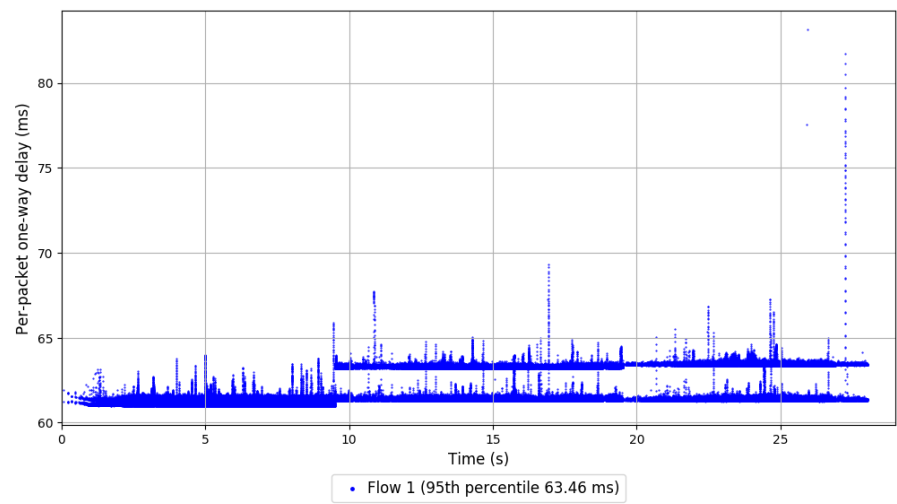
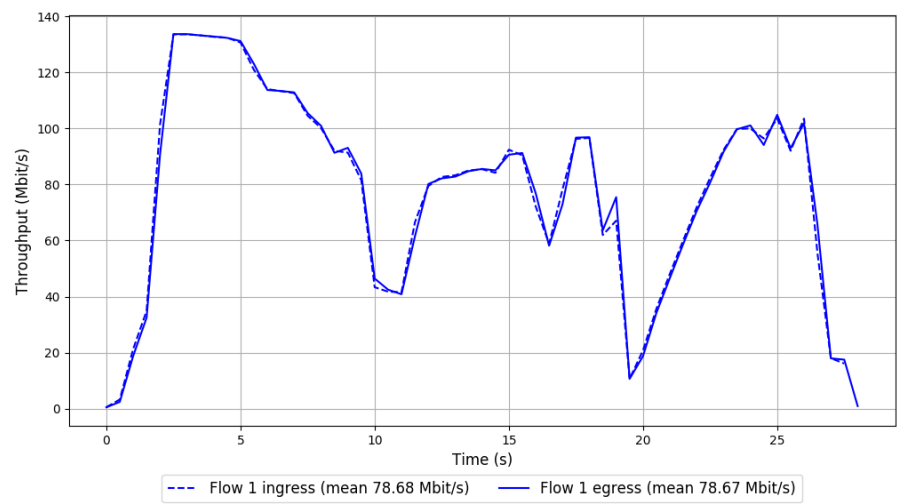
-- Flow 1:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 63.463 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-26 07:15:17

End at: 2018-01-26 07:15:47

Below is generated by plot.py at 2018-01-26 08:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.45 Mbit/s

95th percentile per-packet one-way delay: 63.259 ms

Loss rate: 0.00%

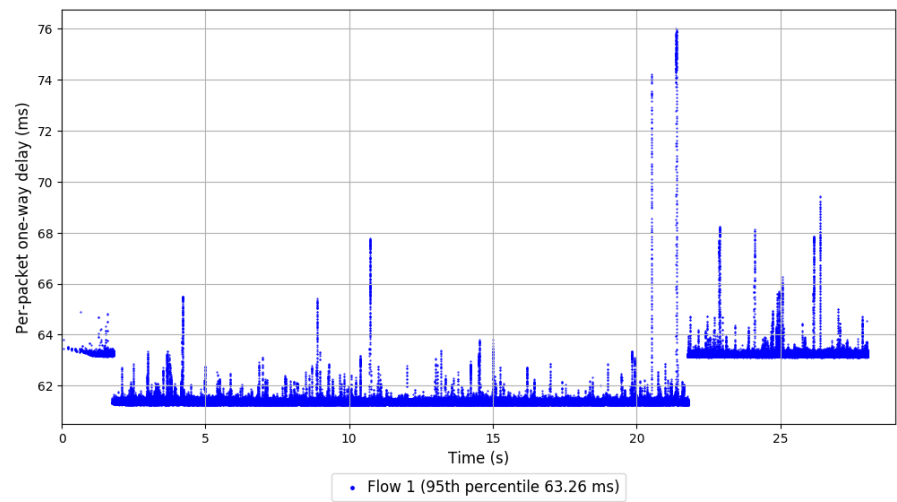
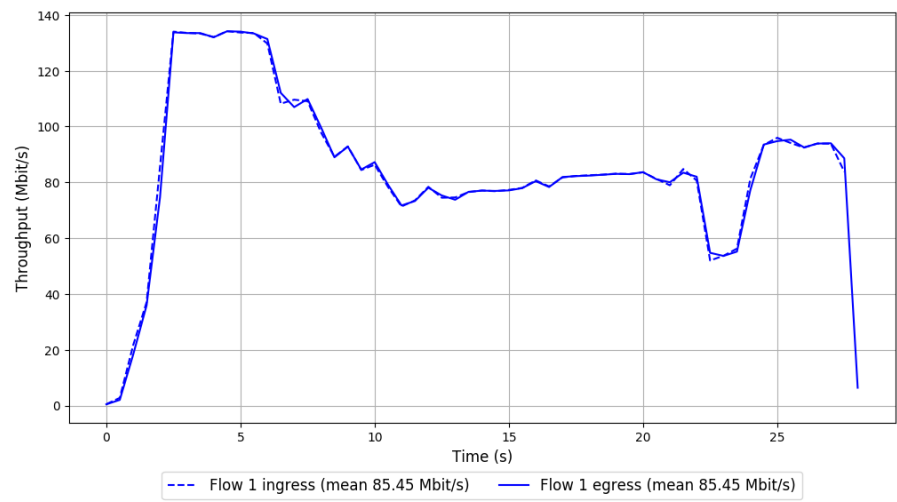
-- Flow 1:

Average throughput: 85.45 Mbit/s

95th percentile per-packet one-way delay: 63.259 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-26 07:27:11

End at: 2018-01-26 07:27:41

Below is generated by plot.py at 2018-01-26 08:50:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 63.426 ms

Loss rate: 0.00%

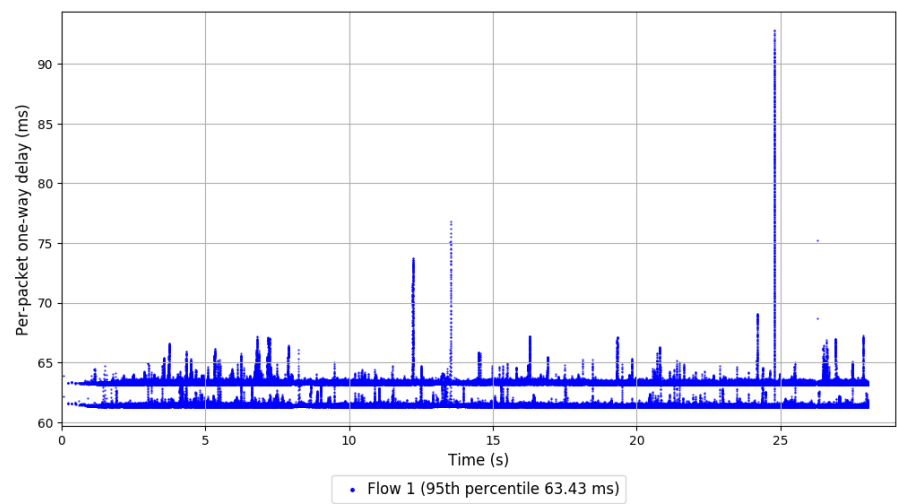
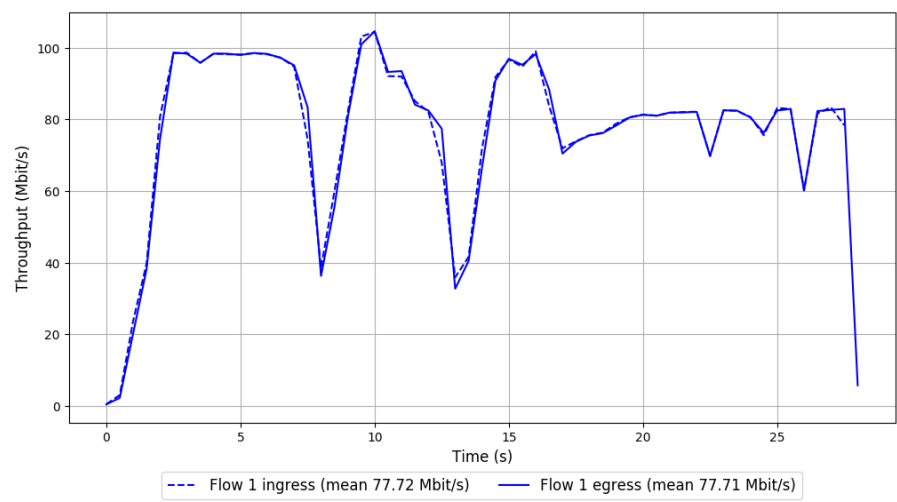
-- Flow 1:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 63.426 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

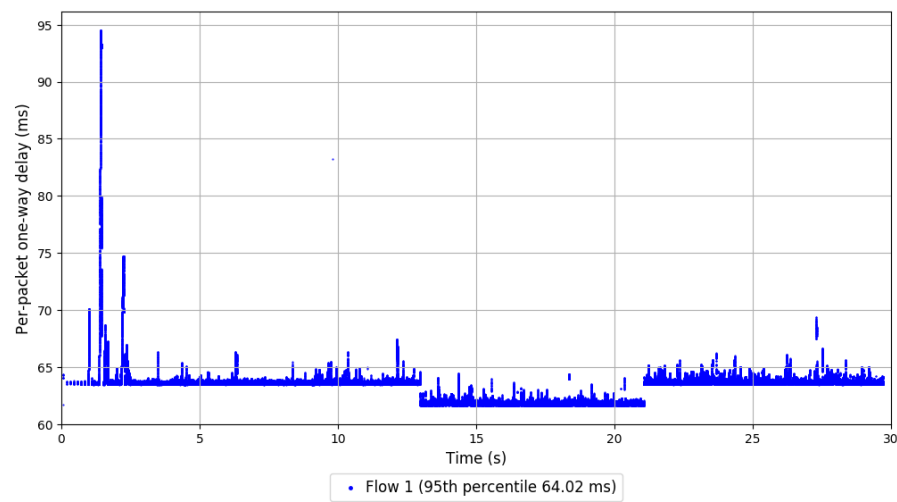
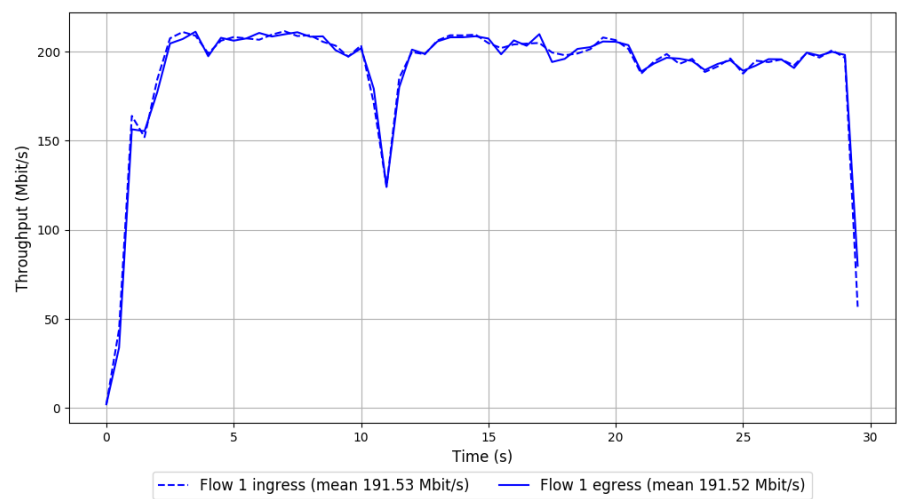


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 05:33:39
End at: 2018-01-26 05:34:09

# Below is generated by plot.py at 2018-01-26 08:51:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.52 Mbit/s
95th percentile per-packet one-way delay: 64.023 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.52 Mbit/s
95th percentile per-packet one-way delay: 64.023 ms
Loss rate: 0.01%
```


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

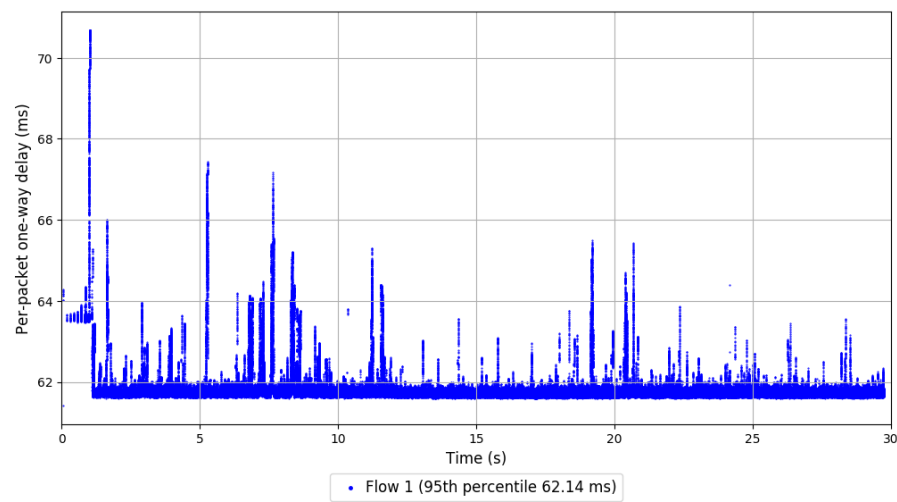
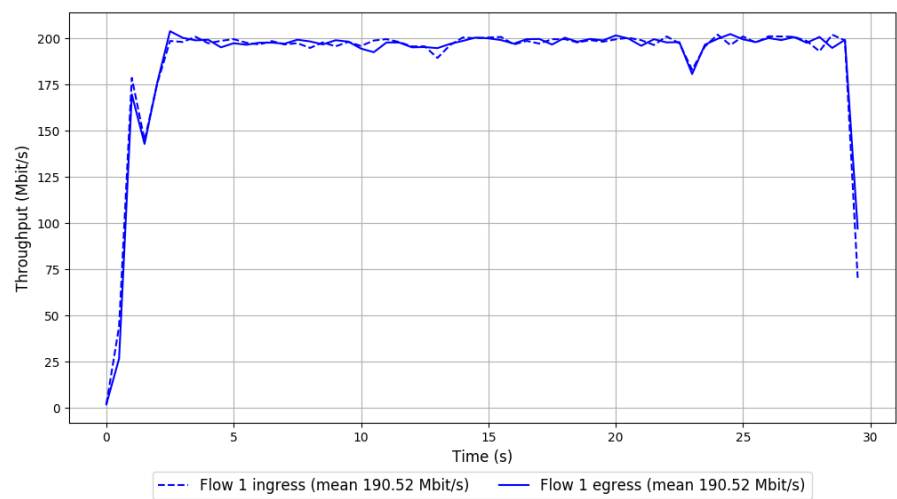


```
Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 05:45:39
End at: 2018-01-26 05:46:09

# Below is generated by plot.py at 2018-01-26 08:51:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.52 Mbit/s
95th percentile per-packet one-way delay: 62.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.52 Mbit/s
95th percentile per-packet one-way delay: 62.140 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 05:57:43

End at: 2018-01-26 05:58:13

Below is generated by plot.py at 2018-01-26 08:51:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.49 Mbit/s

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

Loss rate: 0.00%

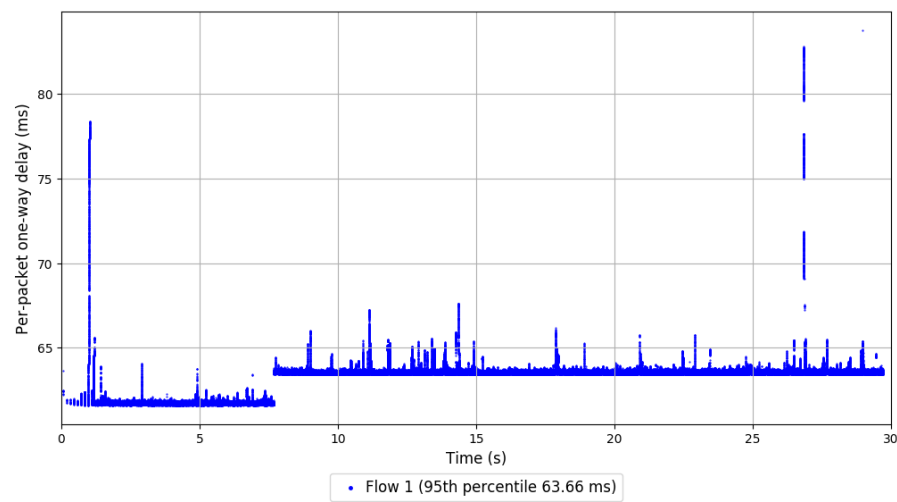
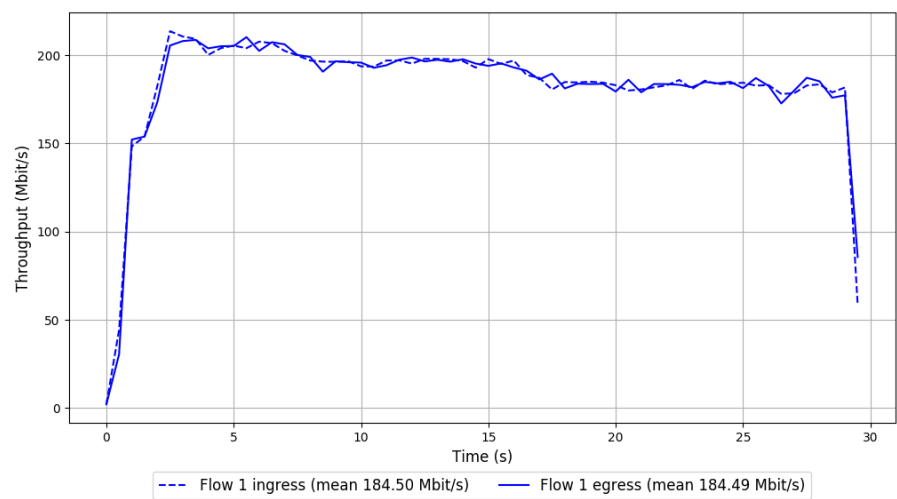
-- Flow 1:

Average throughput: 184.49 Mbit/s

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

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 06:09:46

End at: 2018-01-26 06:10:16

Below is generated by plot.py at 2018-01-26 08:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.58 Mbit/s

95th percentile per-packet one-way delay: 61.766 ms

Loss rate: 0.00%

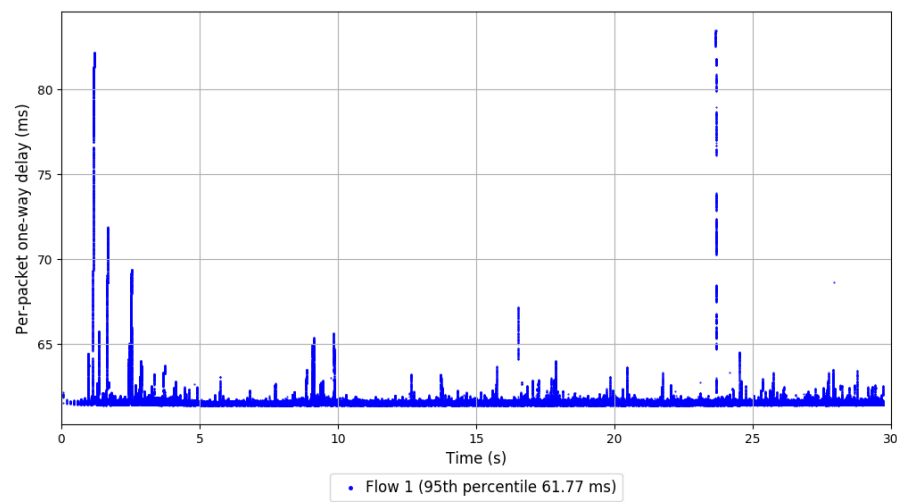
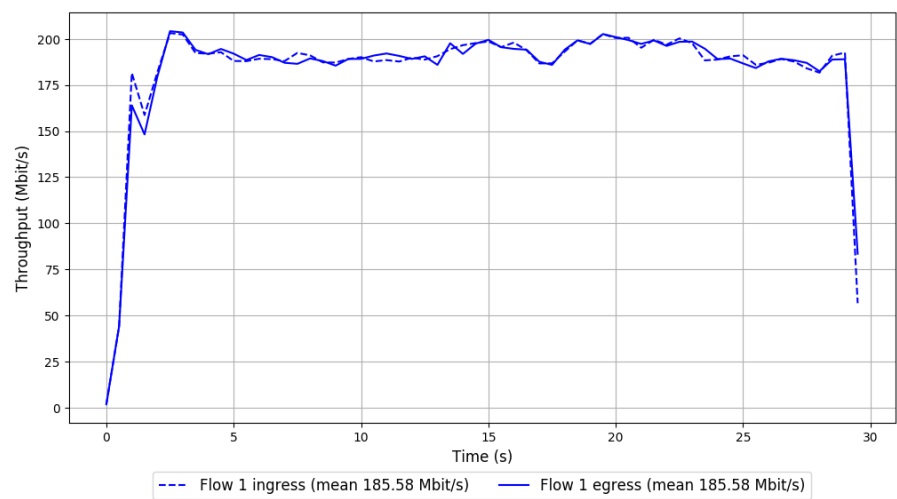
-- Flow 1:

Average throughput: 185.58 Mbit/s

95th percentile per-packet one-way delay: 61.766 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 06:21:35

End at: 2018-01-26 06:22:05

Below is generated by plot.py at 2018-01-26 08:52:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.92 Mbit/s

95th percentile per-packet one-way delay: 63.387 ms

Loss rate: 0.00%

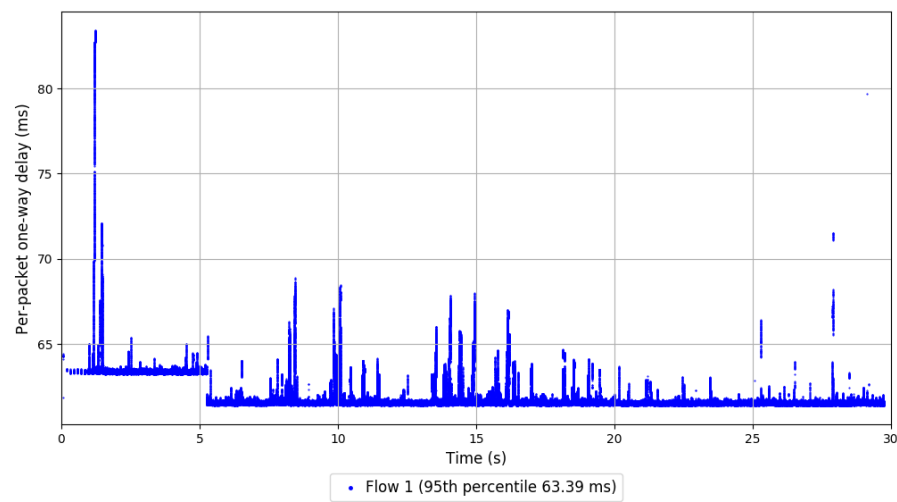
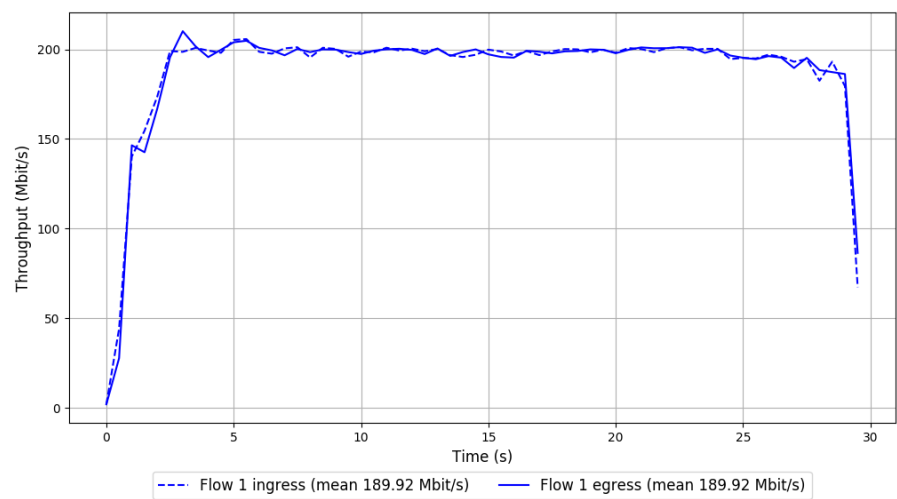
-- Flow 1:

Average throughput: 189.92 Mbit/s

95th percentile per-packet one-way delay: 63.387 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 06:33:27

End at: 2018-01-26 06:33:57

Below is generated by plot.py at 2018-01-26 08:52:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.53 Mbit/s

95th percentile per-packet one-way delay: 63.353 ms

Loss rate: 0.15%

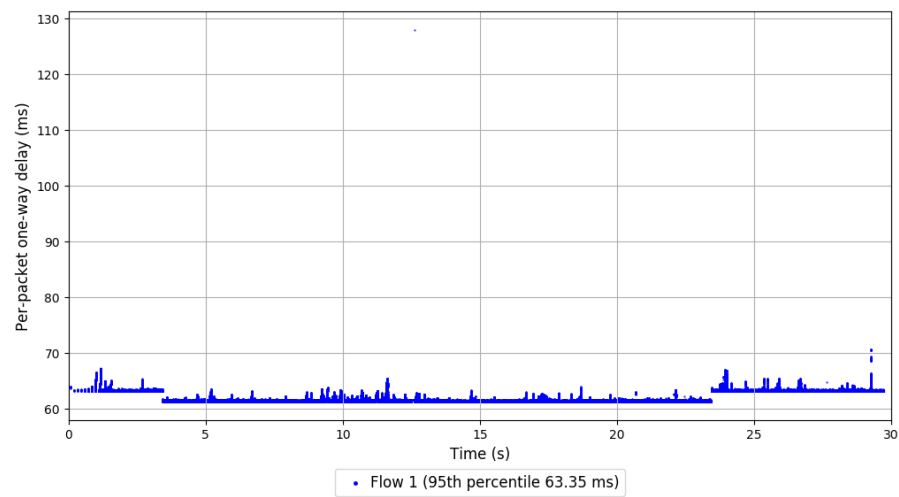
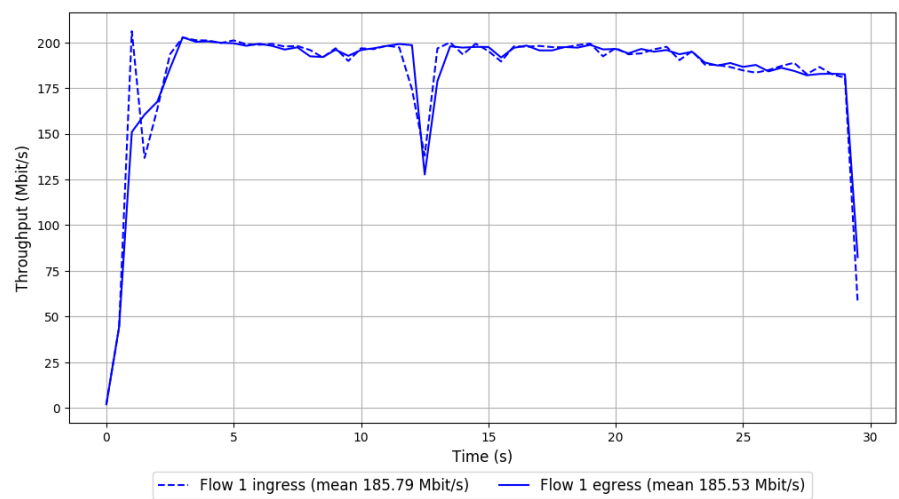
-- Flow 1:

Average throughput: 185.53 Mbit/s

95th percentile per-packet one-way delay: 63.353 ms

Loss rate: 0.15%

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



Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 06:45:20

End at: 2018-01-26 06:45:50

Below is generated by plot.py at 2018-01-26 08:52:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.83 Mbit/s

95th percentile per-packet one-way delay: 63.464 ms

Loss rate: 0.19%

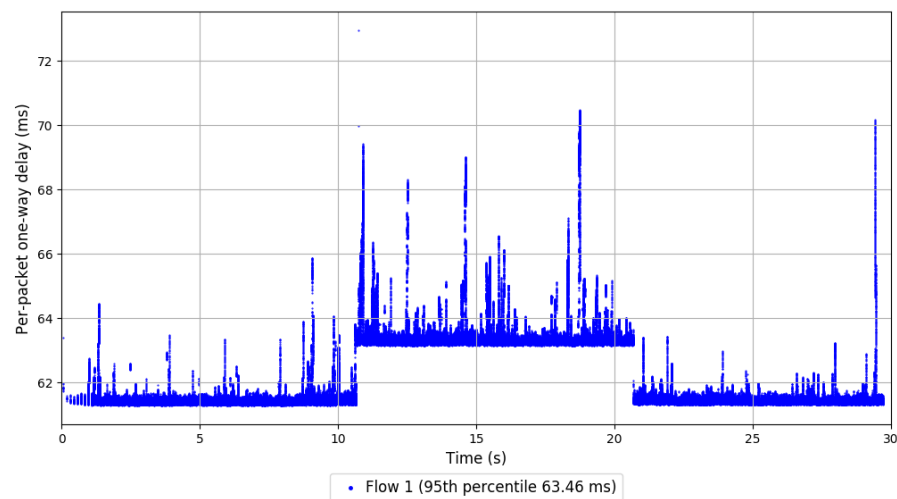
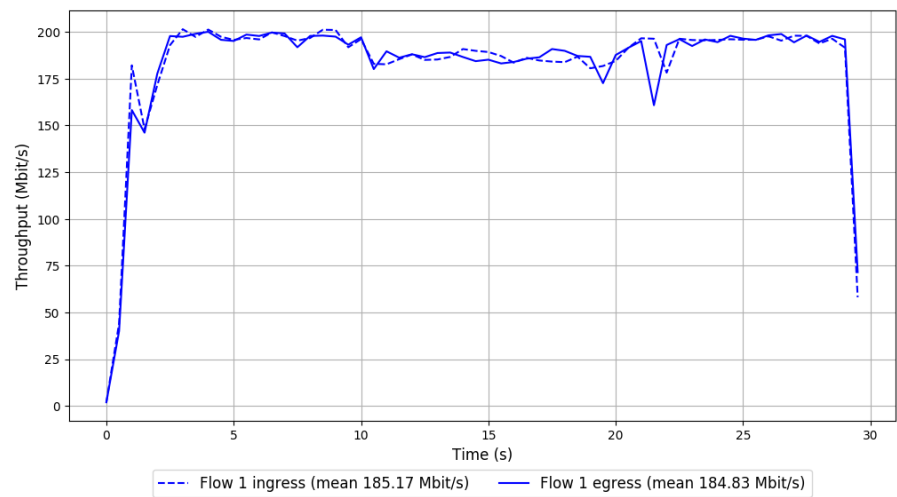
-- Flow 1:

Average throughput: 184.83 Mbit/s

95th percentile per-packet one-way delay: 63.464 ms

Loss rate: 0.19%

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



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 06:57:16

End at: 2018-01-26 06:57:46

Below is generated by plot.py at 2018-01-26 08:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.90 Mbit/s

95th percentile per-packet one-way delay: 63.344 ms

Loss rate: 0.00%

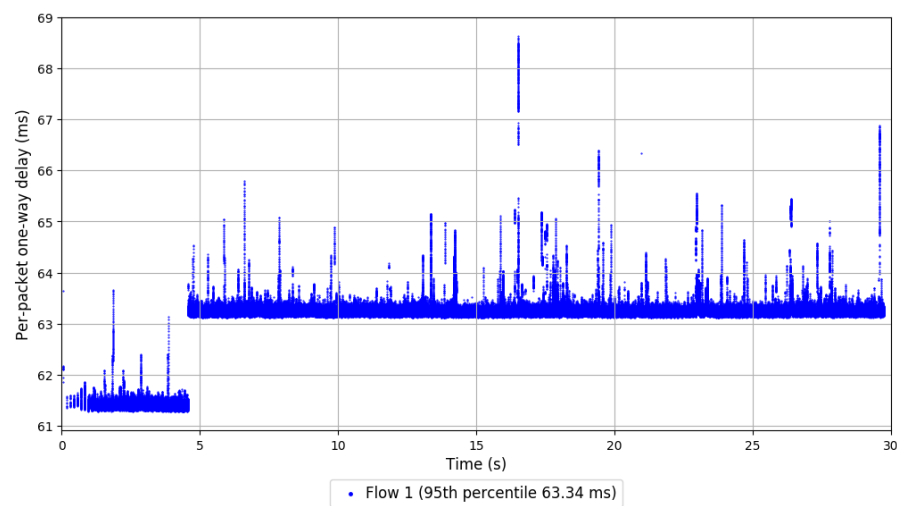
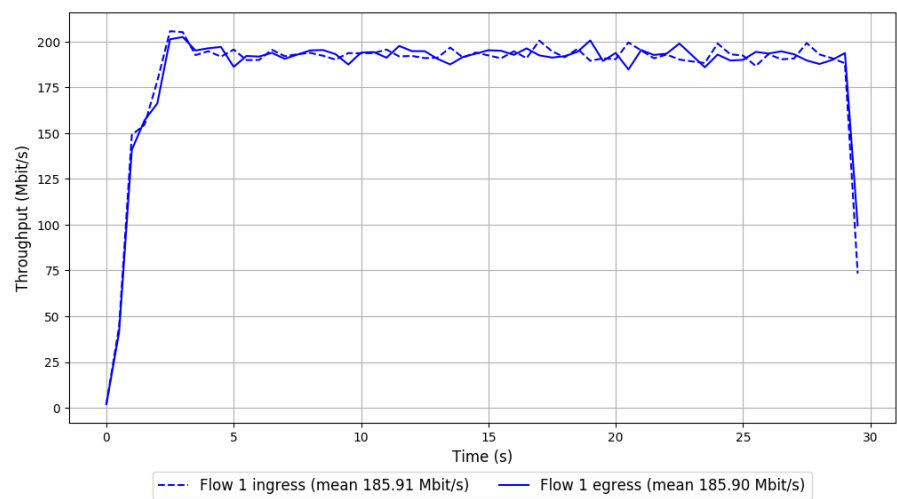
-- Flow 1:

Average throughput: 185.90 Mbit/s

95th percentile per-packet one-way delay: 63.344 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 07:09:26

End at: 2018-01-26 07:09:56

Below is generated by plot.py at 2018-01-26 08:54:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.87 Mbit/s

95th percentile per-packet one-way delay: 63.331 ms

Loss rate: 0.16%

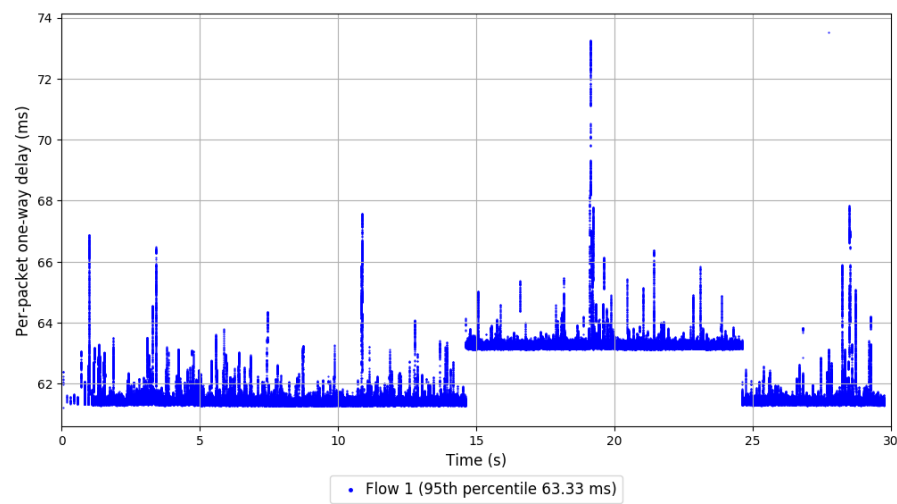
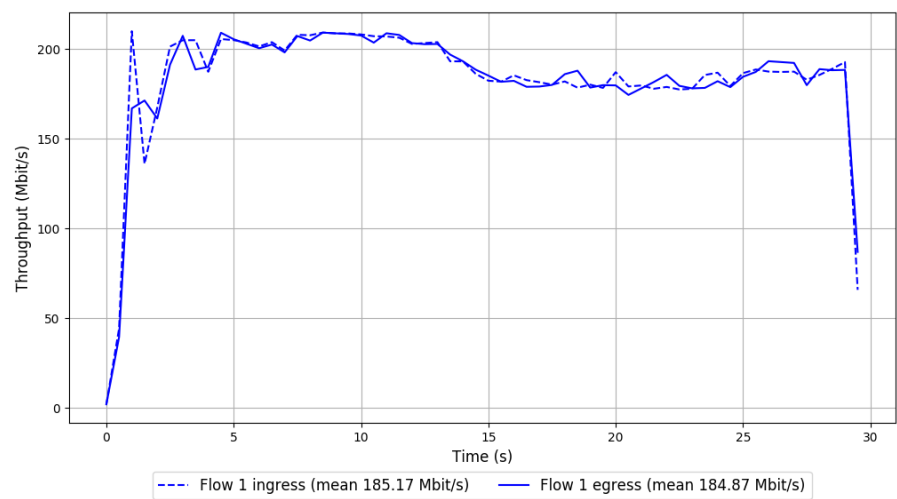
-- Flow 1:

Average throughput: 184.87 Mbit/s

95th percentile per-packet one-way delay: 63.331 ms

Loss rate: 0.16%

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



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 07:21:23

End at: 2018-01-26 07:21:53

Below is generated by plot.py at 2018-01-26 08:54:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.17 Mbit/s

95th percentile per-packet one-way delay: 63.363 ms

Loss rate: 0.01%

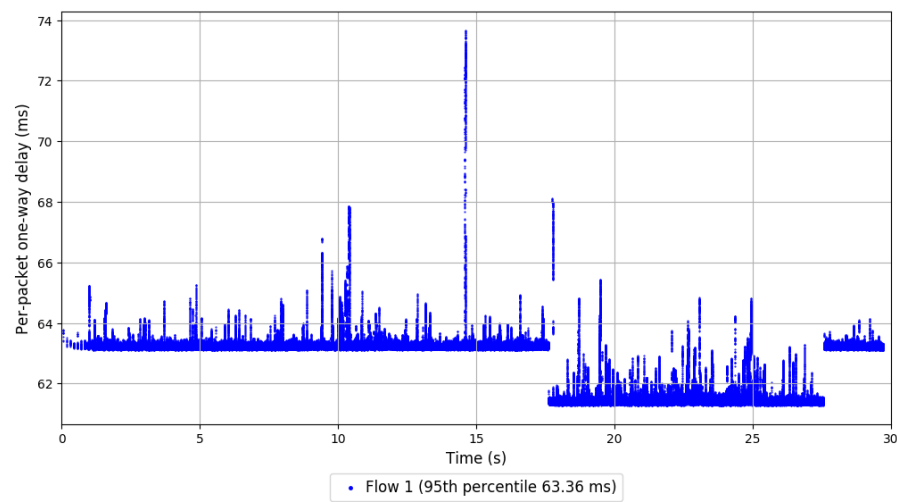
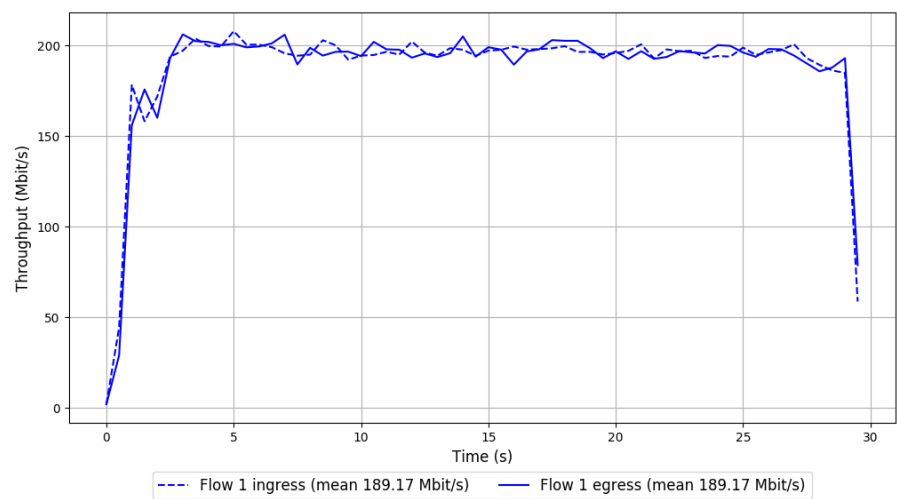
-- Flow 1:

Average throughput: 189.17 Mbit/s

95th percentile per-packet one-way delay: 63.363 ms

Loss rate: 0.01%

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

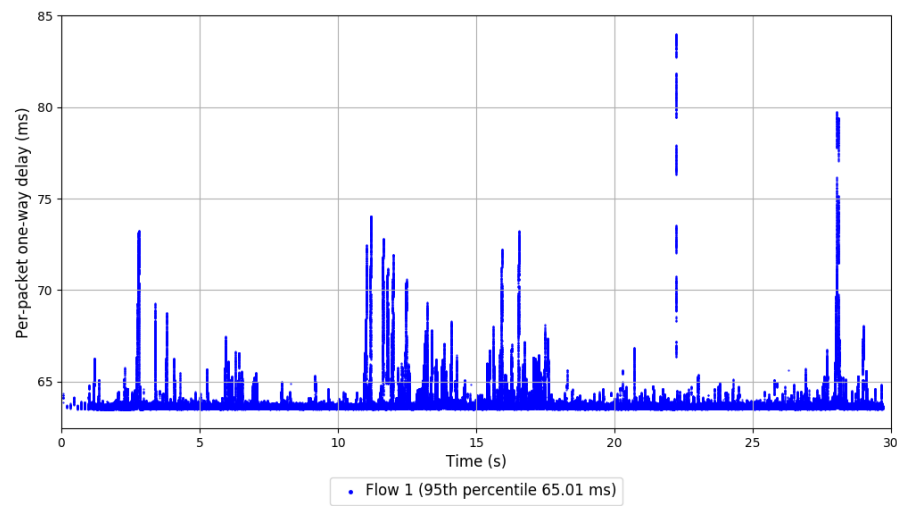
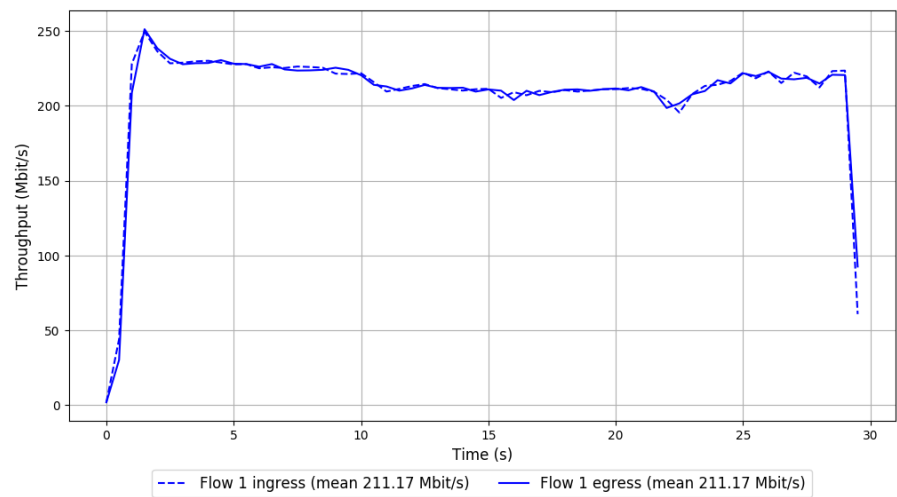


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-26 05:32:47
End at: 2018-01-26 05:33:17

# Below is generated by plot.py at 2018-01-26 08:55:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.17 Mbit/s
95th percentile per-packet one-way delay: 65.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.17 Mbit/s
95th percentile per-packet one-way delay: 65.014 ms
Loss rate: 0.00%
```

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

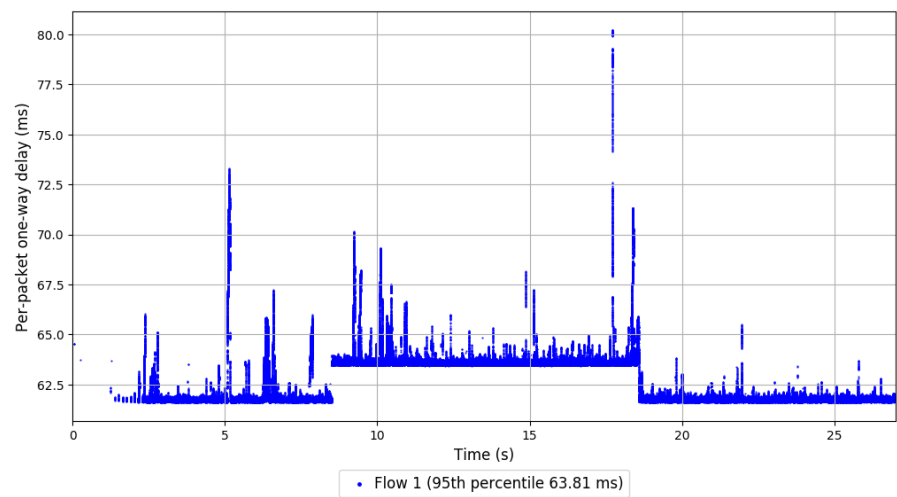
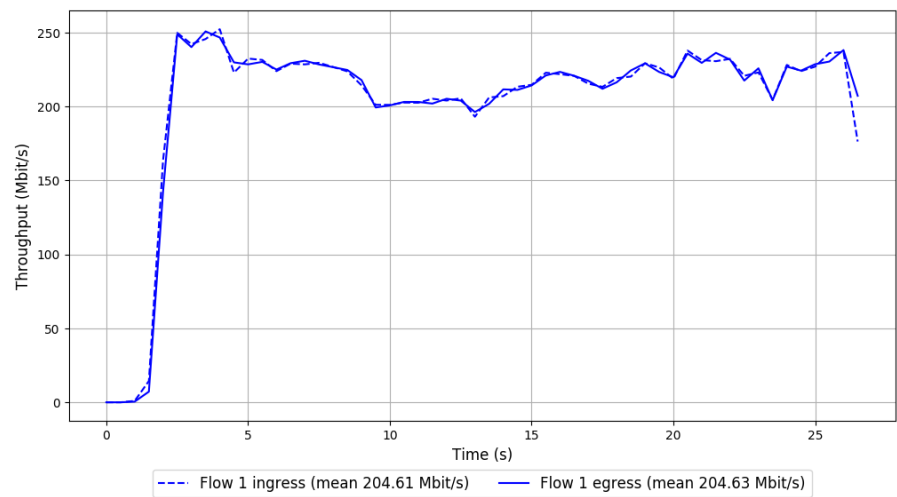


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 05:44:49
End at: 2018-01-26 05:45:19

# Below is generated by plot.py at 2018-01-26 08:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.63 Mbit/s
95th percentile per-packet one-way delay: 63.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.63 Mbit/s
95th percentile per-packet one-way delay: 63.810 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 05:56:50

End at: 2018-01-26 05:57:20

Below is generated by plot.py at 2018-01-26 08:56:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.23 Mbit/s

95th percentile per-packet one-way delay: 61.859 ms

Loss rate: 0.00%

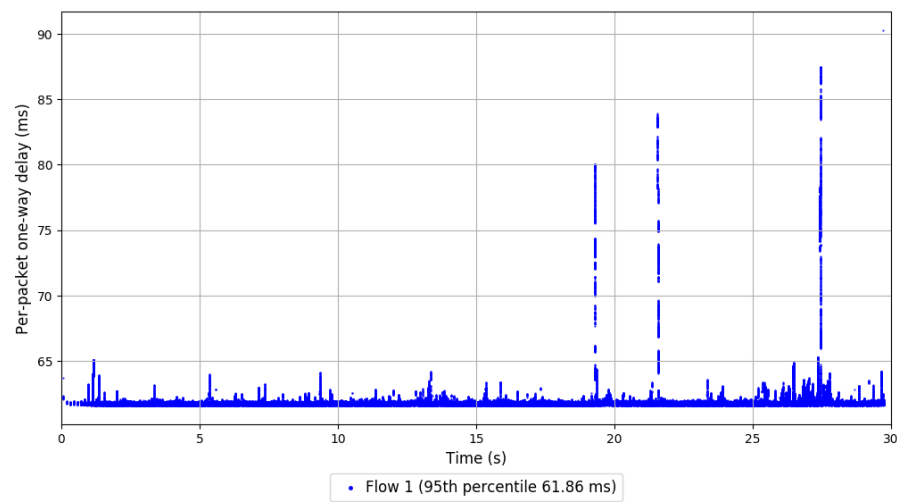
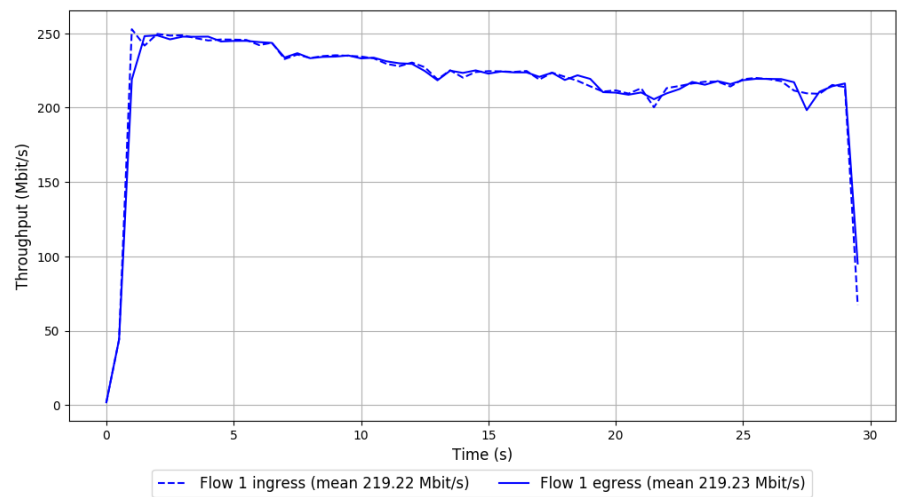
-- Flow 1:

Average throughput: 219.23 Mbit/s

95th percentile per-packet one-way delay: 61.859 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 06:08:54

End at: 2018-01-26 06:09:24

Below is generated by plot.py at 2018-01-26 08:56:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.55 Mbit/s

95th percentile per-packet one-way delay: 63.547 ms

Loss rate: 0.01%

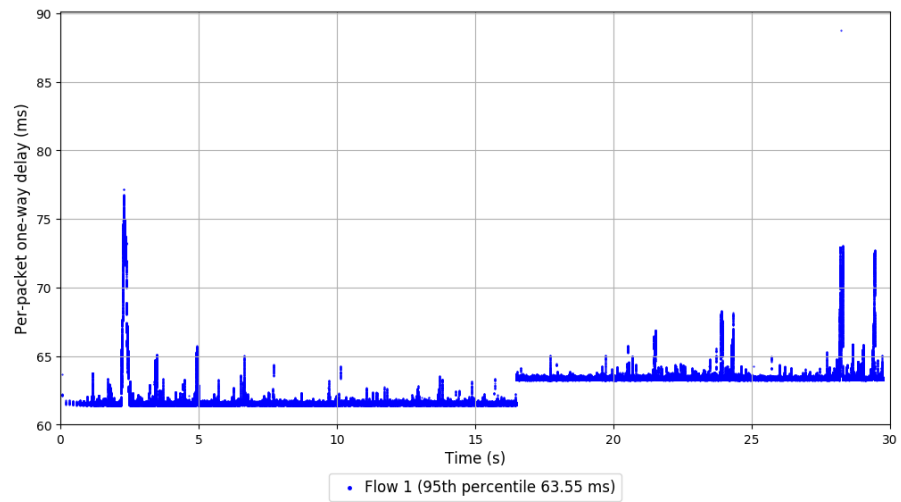
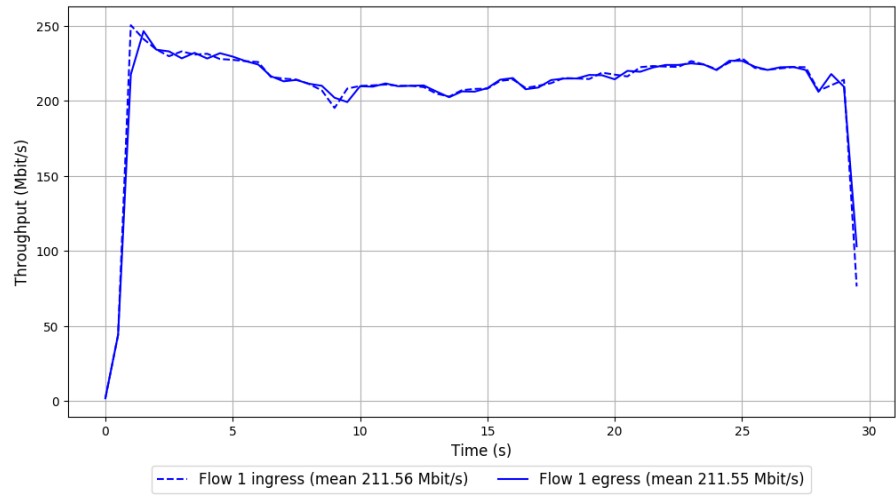
-- Flow 1:

Average throughput: 211.55 Mbit/s

95th percentile per-packet one-way delay: 63.547 ms

Loss rate: 0.01%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 06:20:43

End at: 2018-01-26 06:21:13

Below is generated by plot.py at 2018-01-26 08:56:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.75 Mbit/s

95th percentile per-packet one-way delay: 63.580 ms

Loss rate: 0.00%

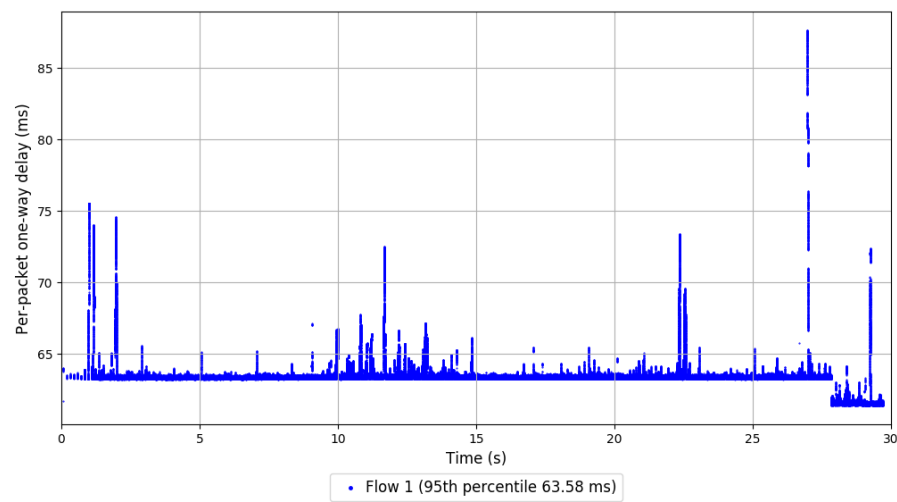
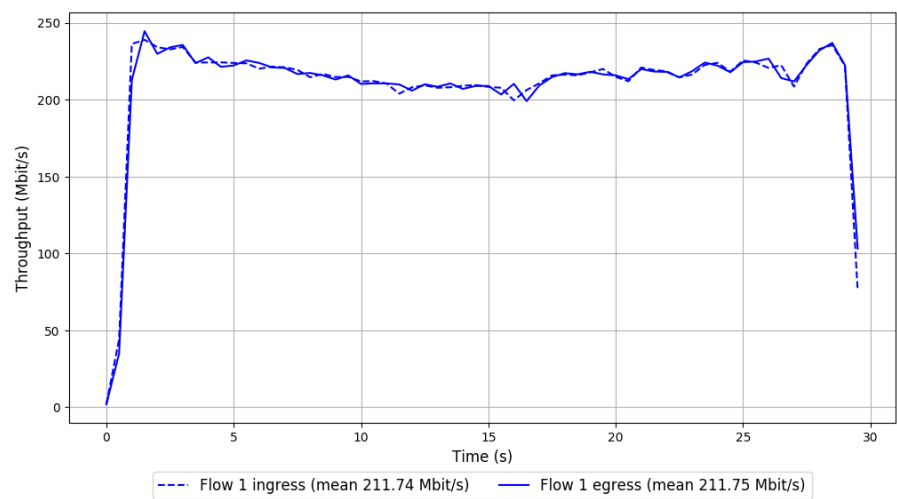
-- Flow 1:

Average throughput: 211.75 Mbit/s

95th percentile per-packet one-way delay: 63.580 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 06:32:37

End at: 2018-01-26 06:33:07

Below is generated by plot.py at 2018-01-26 08:56:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.40 Mbit/s

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

Loss rate: 0.00%

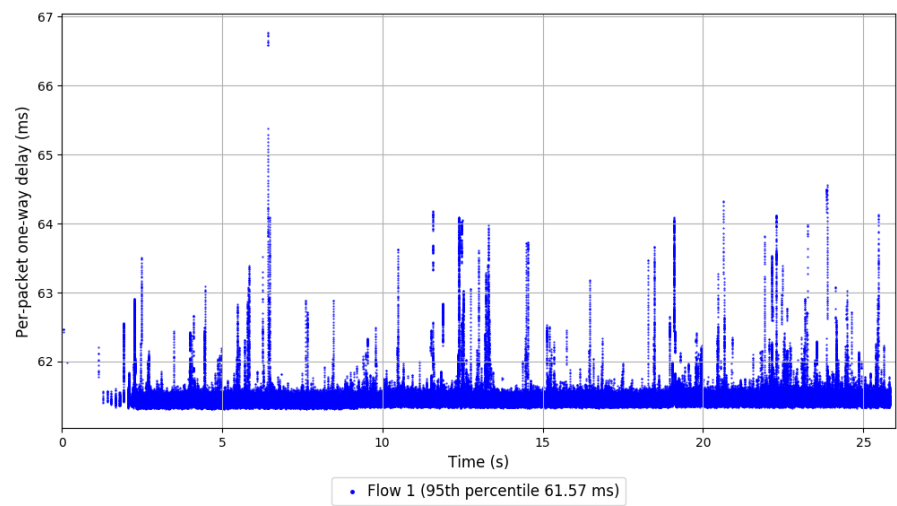
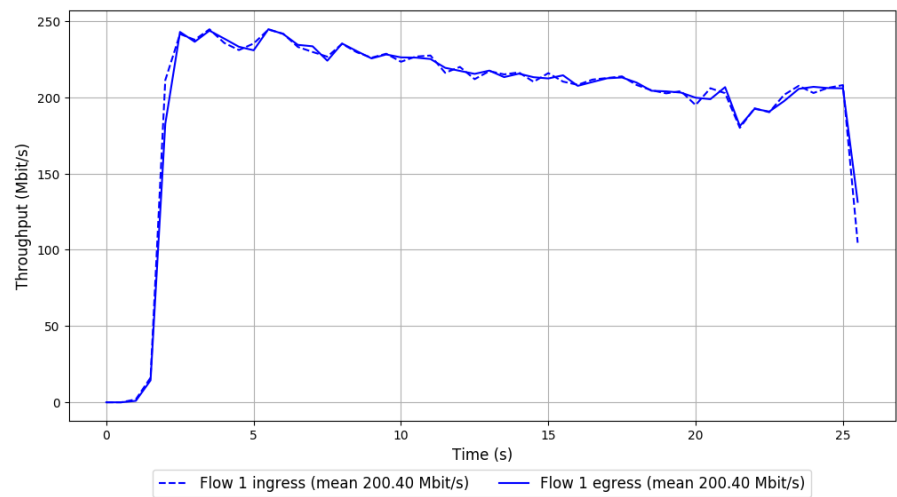
-- Flow 1:

Average throughput: 200.40 Mbit/s

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

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 06:44:30

End at: 2018-01-26 06:45:00

Below is generated by plot.py at 2018-01-26 08:57:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.56 Mbit/s

95th percentile per-packet one-way delay: 63.322 ms

Loss rate: 0.00%

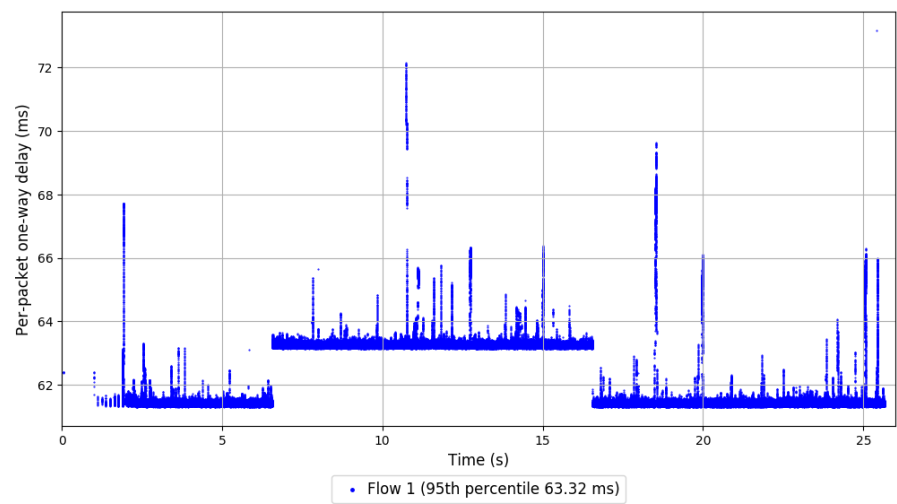
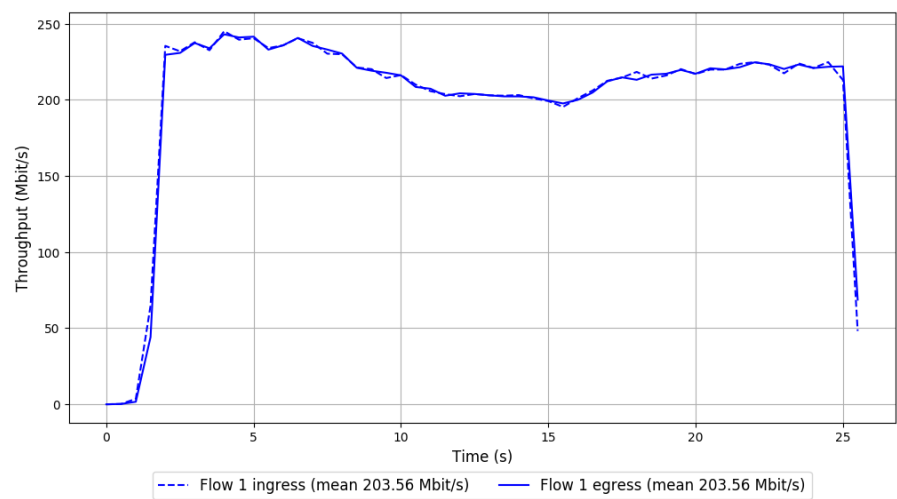
-- Flow 1:

Average throughput: 203.56 Mbit/s

95th percentile per-packet one-way delay: 63.322 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 06:56:25

End at: 2018-01-26 06:56:55

Below is generated by plot.py at 2018-01-26 08:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.80 Mbit/s

95th percentile per-packet one-way delay: 63.289 ms

Loss rate: 0.00%

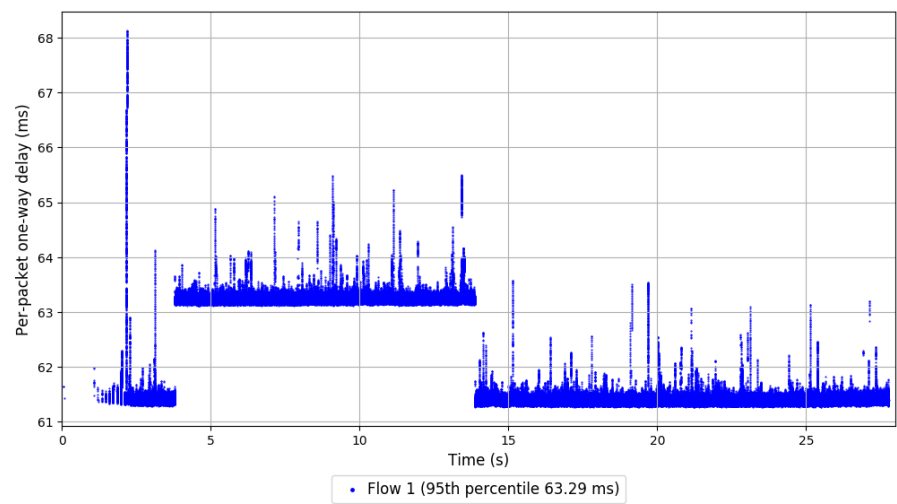
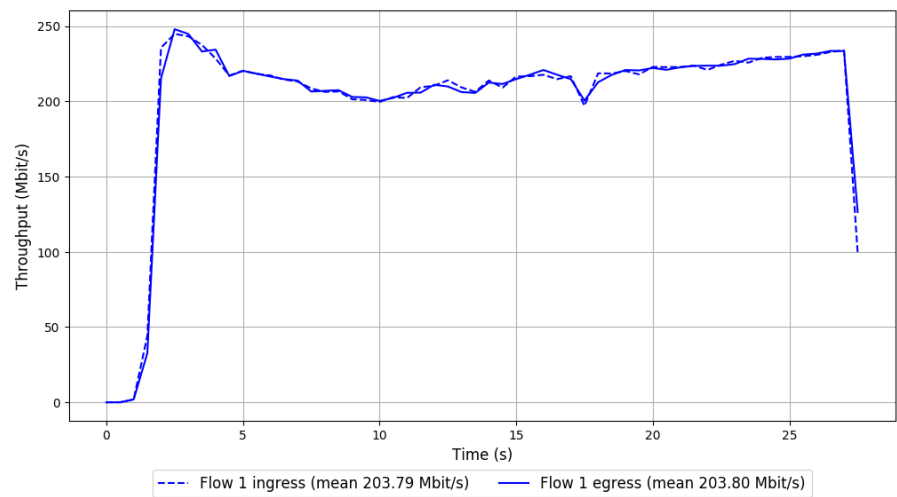
-- Flow 1:

Average throughput: 203.80 Mbit/s

95th percentile per-packet one-way delay: 63.289 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 07:08:34

End at: 2018-01-26 07:09:04

Below is generated by plot.py at 2018-01-26 08:59:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.33 Mbit/s

95th percentile per-packet one-way delay: 61.682 ms

Loss rate: 0.00%

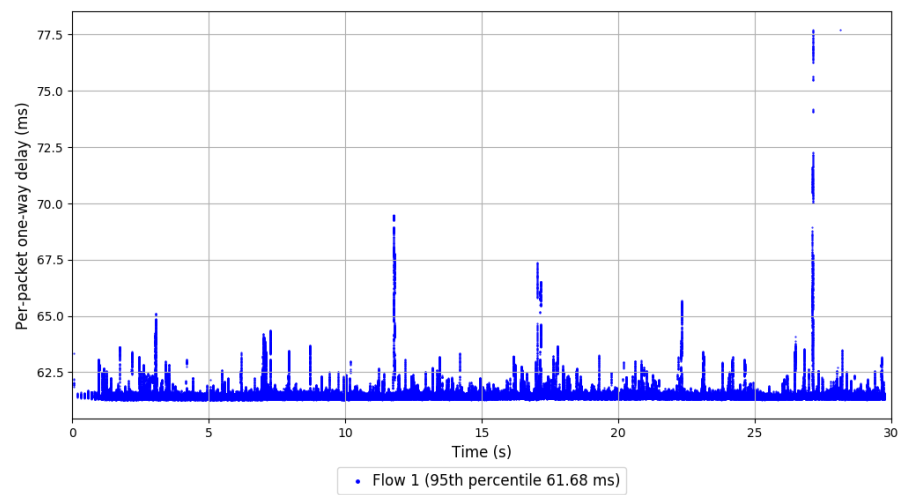
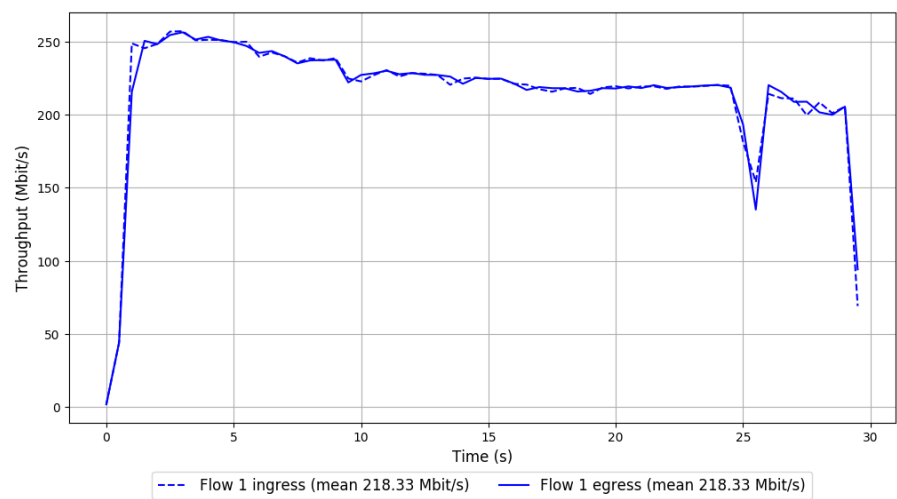
-- Flow 1:

Average throughput: 218.33 Mbit/s

95th percentile per-packet one-way delay: 61.682 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 07:20:31

End at: 2018-01-26 07:21:01

Below is generated by plot.py at 2018-01-26 08:59:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.95 Mbit/s

95th percentile per-packet one-way delay: 63.311 ms

Loss rate: 0.00%

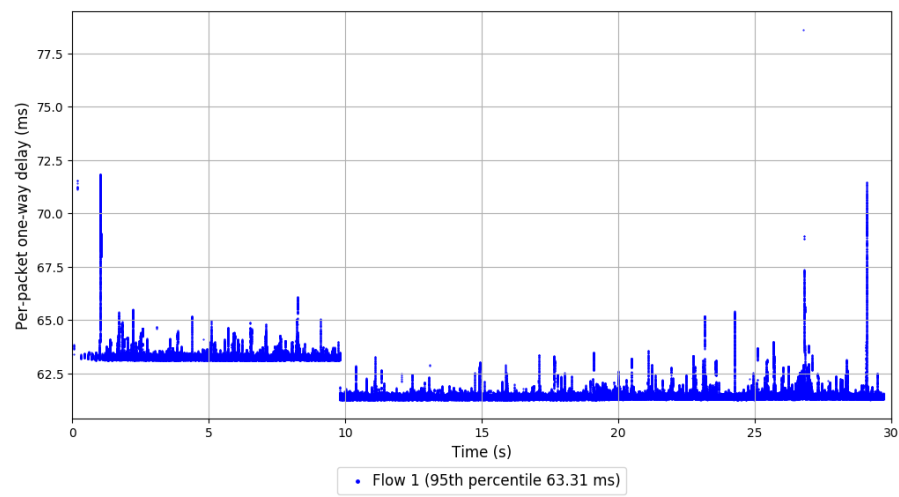
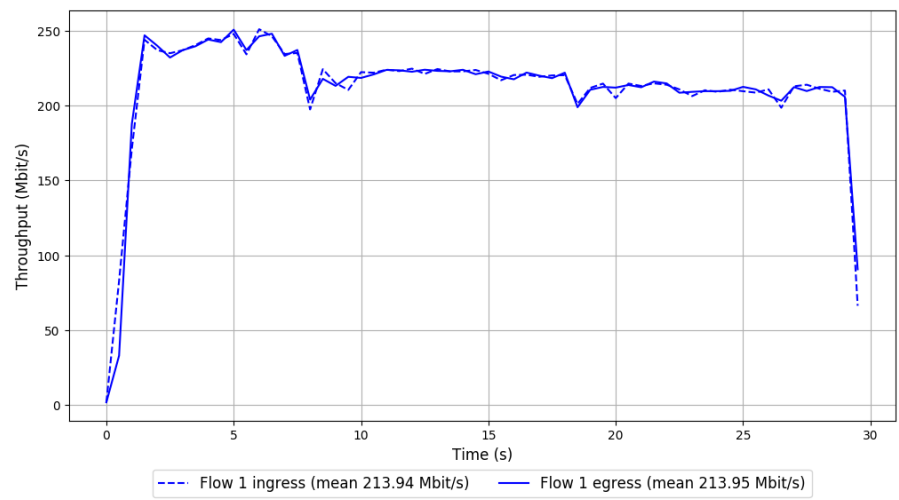
-- Flow 1:

Average throughput: 213.95 Mbit/s

95th percentile per-packet one-way delay: 63.311 ms

Loss rate: 0.00%

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

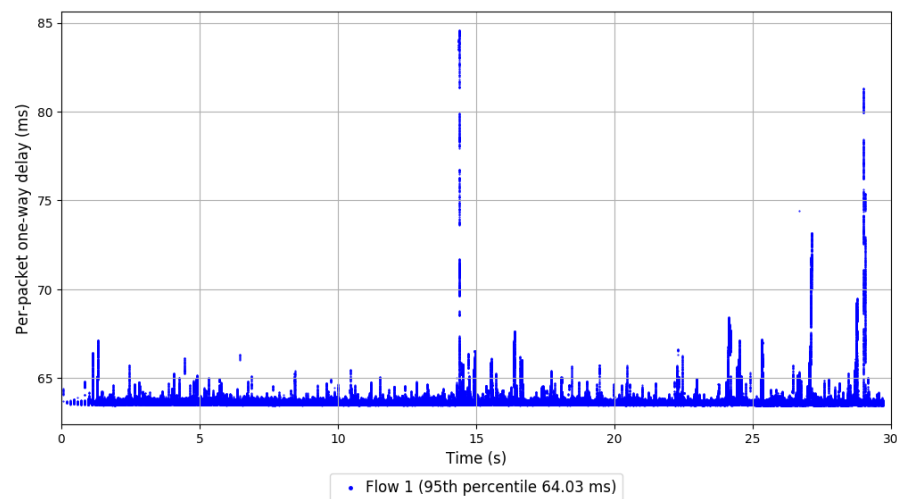
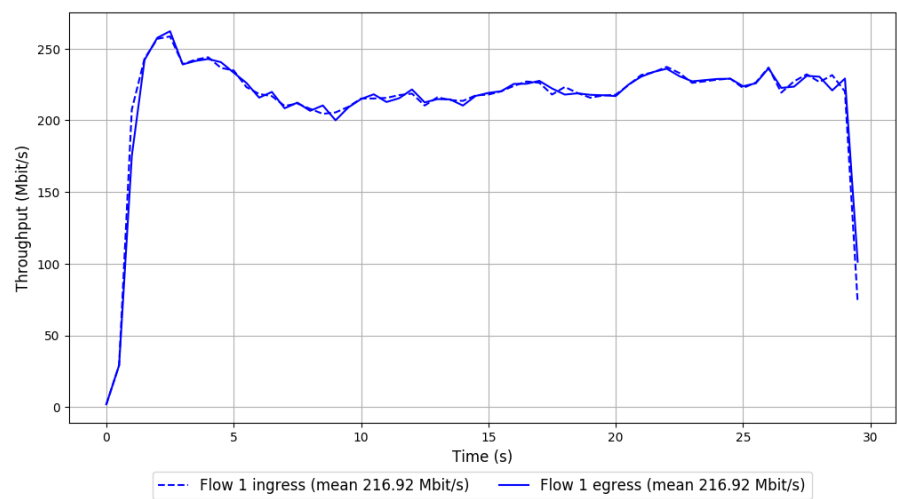


```
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 05:31:55
End at: 2018-01-26 05:32:25

# Below is generated by plot.py at 2018-01-26 08:59:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.92 Mbit/s
95th percentile per-packet one-way delay: 64.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.92 Mbit/s
95th percentile per-packet one-way delay: 64.032 ms
Loss rate: 0.00%
```


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

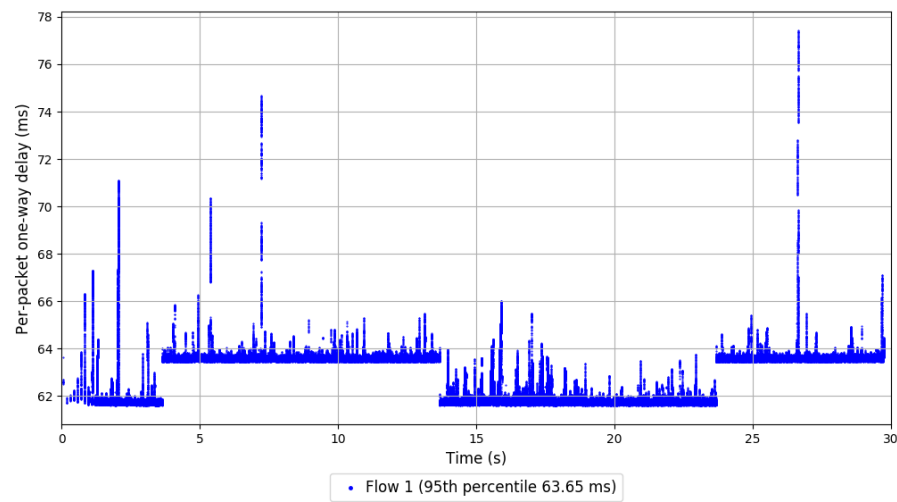
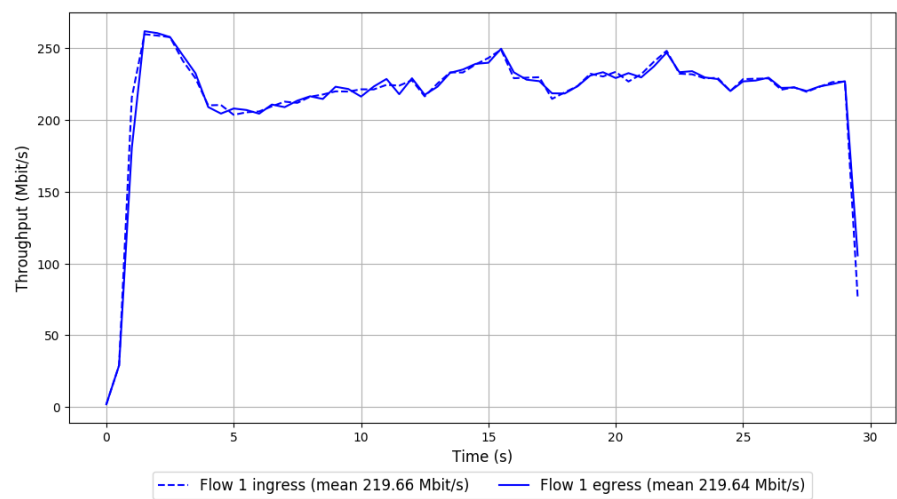


```
Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 05:43:57
End at: 2018-01-26 05:44:27

# Below is generated by plot.py at 2018-01-26 09:00:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.64 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.64 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 05:55:58

End at: 2018-01-26 05:56:28

Below is generated by plot.py at 2018-01-26 09:00:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.15 Mbit/s

95th percentile per-packet one-way delay: 63.922 ms

Loss rate: 0.00%

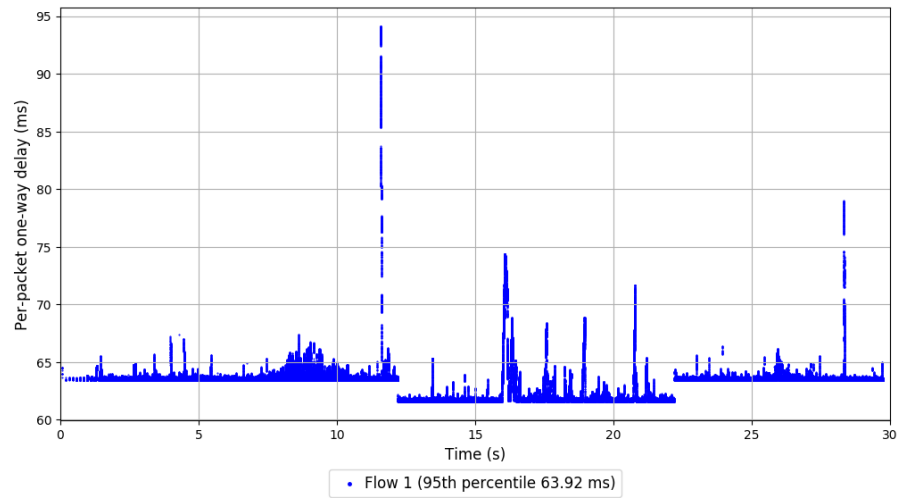
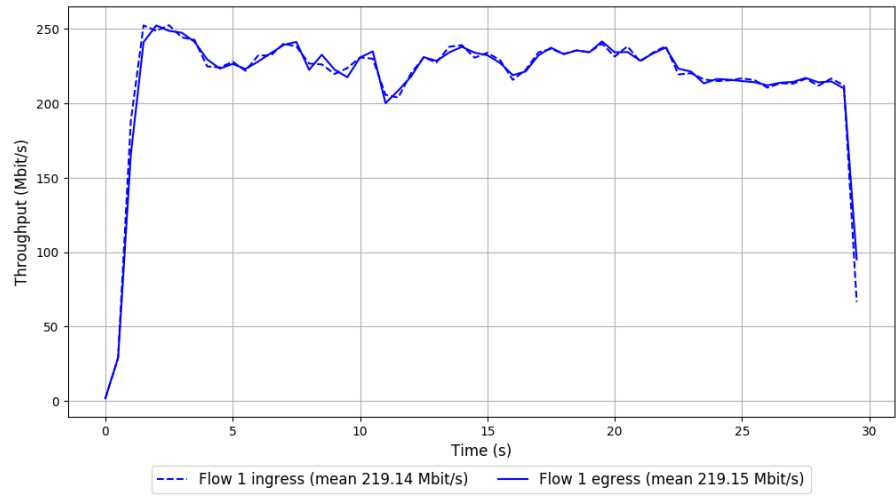
-- Flow 1:

Average throughput: 219.15 Mbit/s

95th percentile per-packet one-way delay: 63.922 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 06:08:01

End at: 2018-01-26 06:08:31

Below is generated by plot.py at 2018-01-26 09:00:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.12 Mbit/s

95th percentile per-packet one-way delay: 63.503 ms

Loss rate: 0.00%

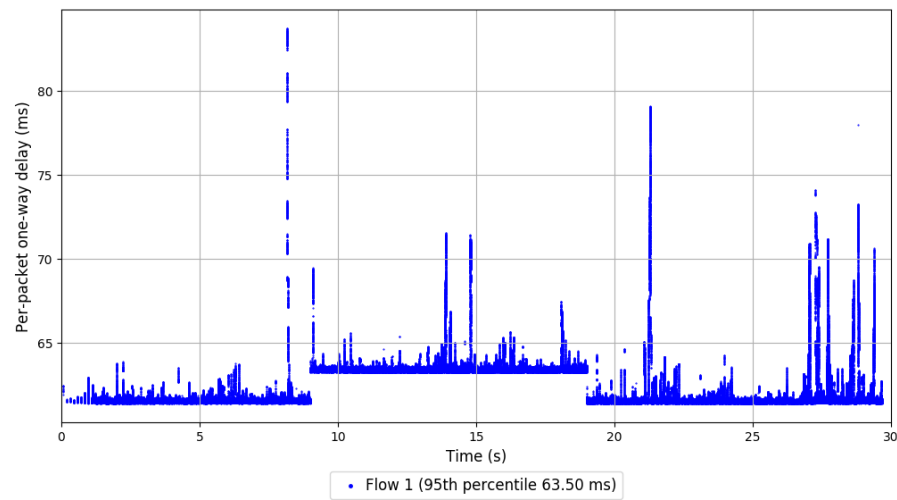
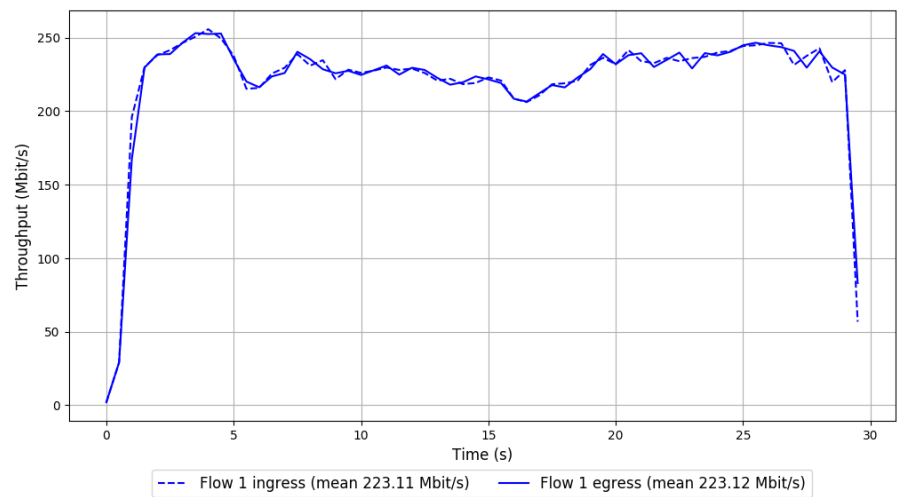
-- Flow 1:

Average throughput: 223.12 Mbit/s

95th percentile per-packet one-way delay: 63.503 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-26 06:19:52

End at: 2018-01-26 06:20:22

Below is generated by plot.py at 2018-01-26 09:00:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.04 Mbit/s

95th percentile per-packet one-way delay: 63.425 ms

Loss rate: 0.02%

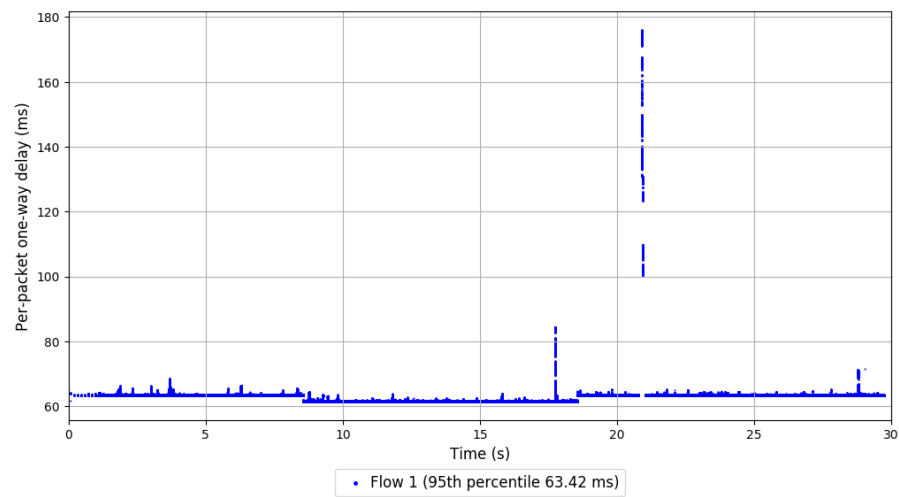
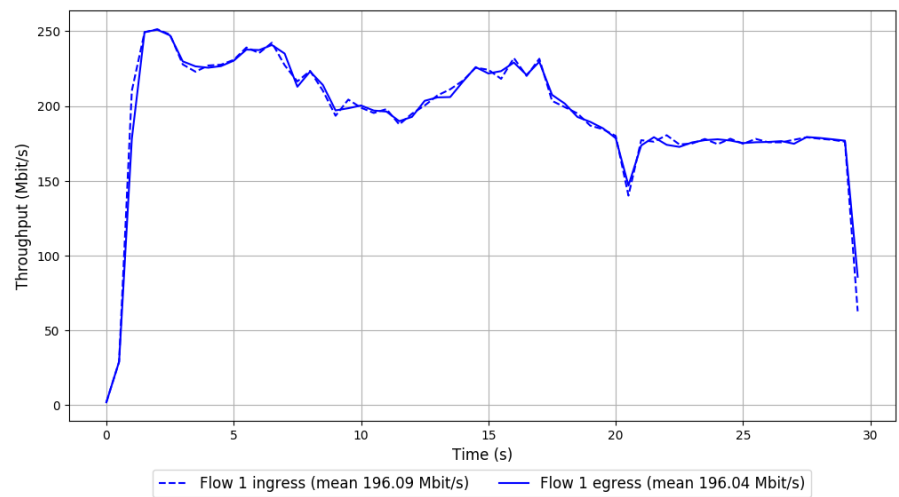
-- Flow 1:

Average throughput: 196.04 Mbit/s

95th percentile per-packet one-way delay: 63.425 ms

Loss rate: 0.02%

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



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 06:31:46

End at: 2018-01-26 06:32:16

Below is generated by plot.py at 2018-01-26 09:00:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.22 Mbit/s

95th percentile per-packet one-way delay: 63.378 ms

Loss rate: 0.01%

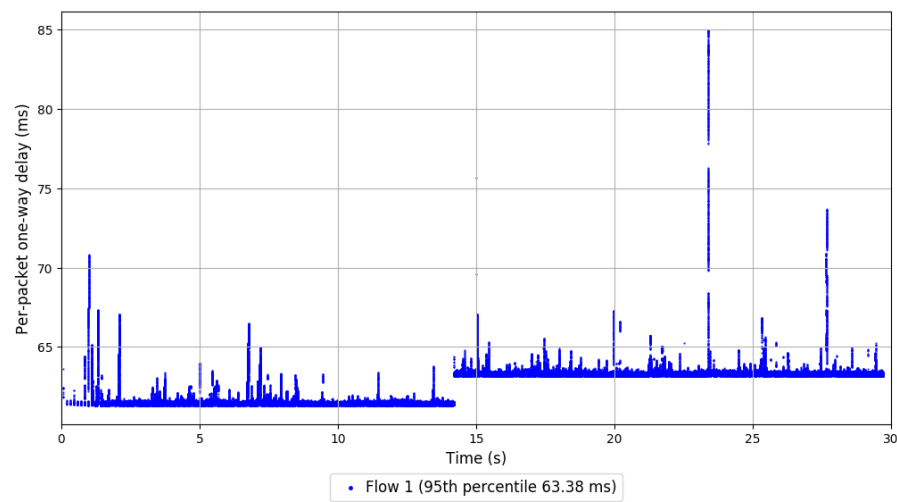
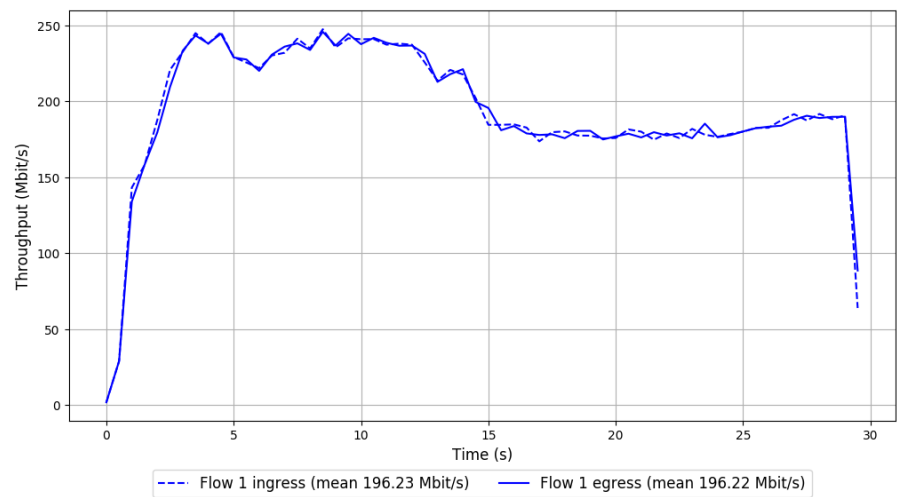
-- Flow 1:

Average throughput: 196.22 Mbit/s

95th percentile per-packet one-way delay: 63.378 ms

Loss rate: 0.01%

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



Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 06:43:38

End at: 2018-01-26 06:44:08

Below is generated by plot.py at 2018-01-26 09:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.58 Mbit/s

95th percentile per-packet one-way delay: 63.312 ms

Loss rate: 0.00%

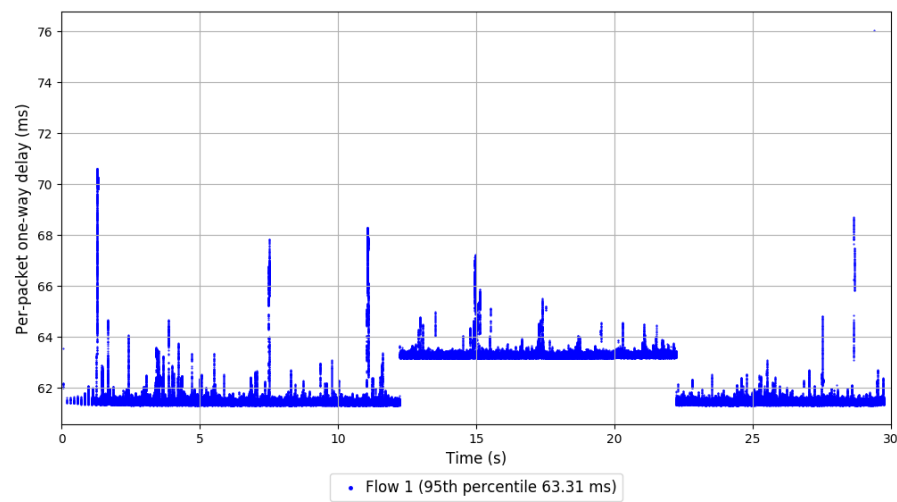
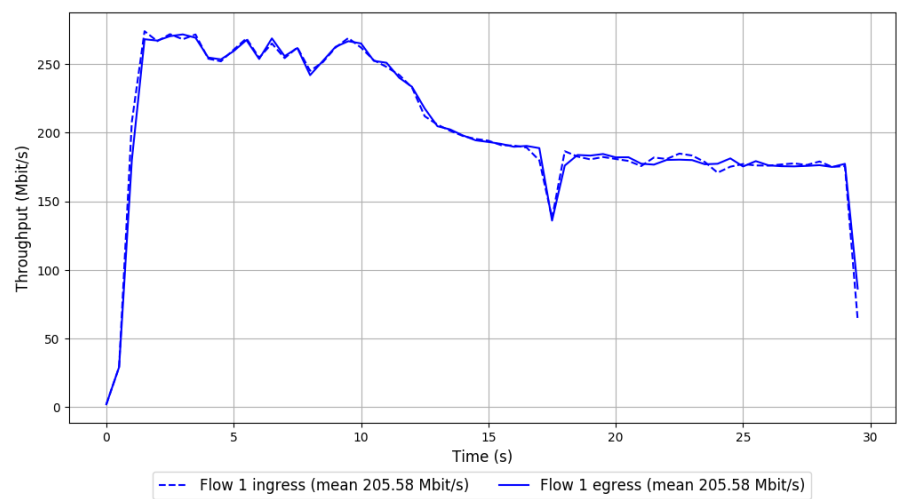
-- Flow 1:

Average throughput: 205.58 Mbit/s

95th percentile per-packet one-way delay: 63.312 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 06:55:31

End at: 2018-01-26 06:56:01

Below is generated by plot.py at 2018-01-26 09:01:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.61 Mbit/s

95th percentile per-packet one-way delay: 61.530 ms

Loss rate: 0.00%

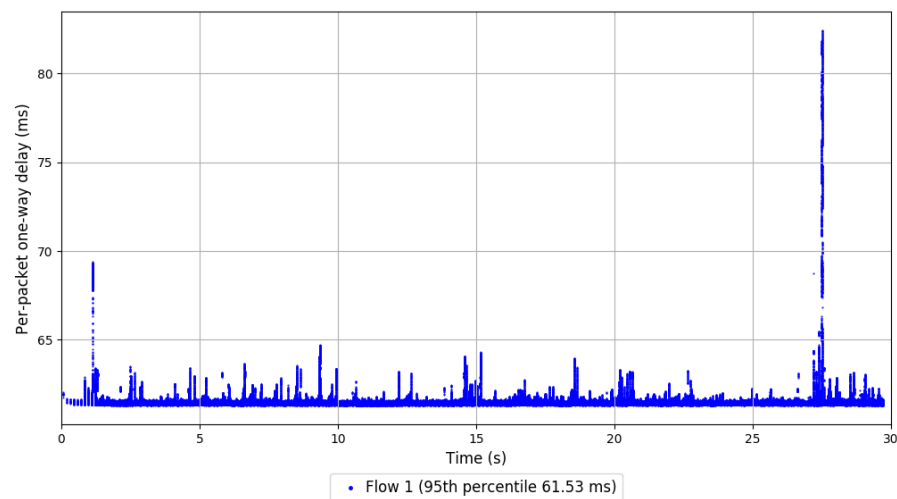
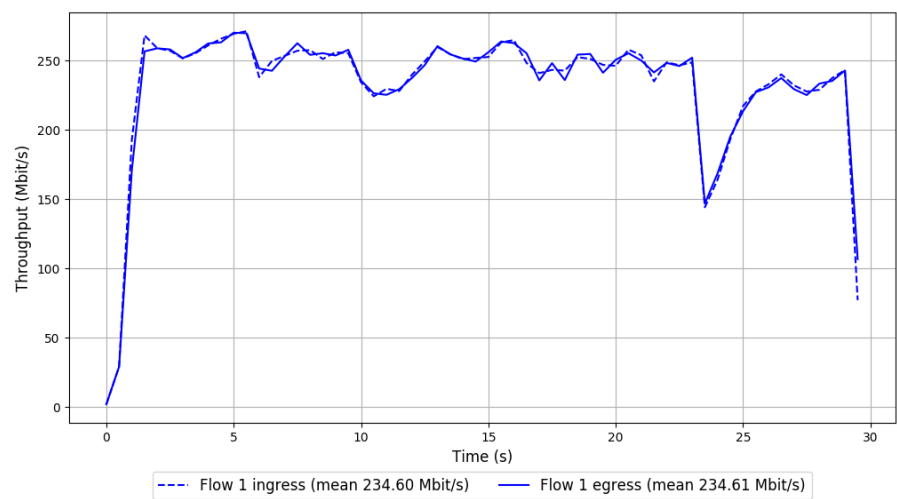
-- Flow 1:

Average throughput: 234.61 Mbit/s

95th percentile per-packet one-way delay: 61.530 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 07:07:41

End at: 2018-01-26 07:08:11

Below is generated by plot.py at 2018-01-26 09:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.02 Mbit/s

95th percentile per-packet one-way delay: 62.202 ms

Loss rate: 0.00%

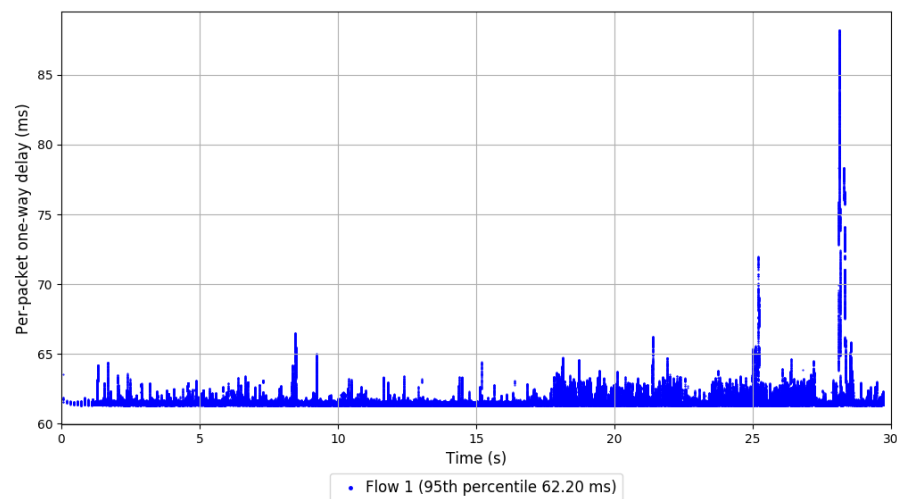
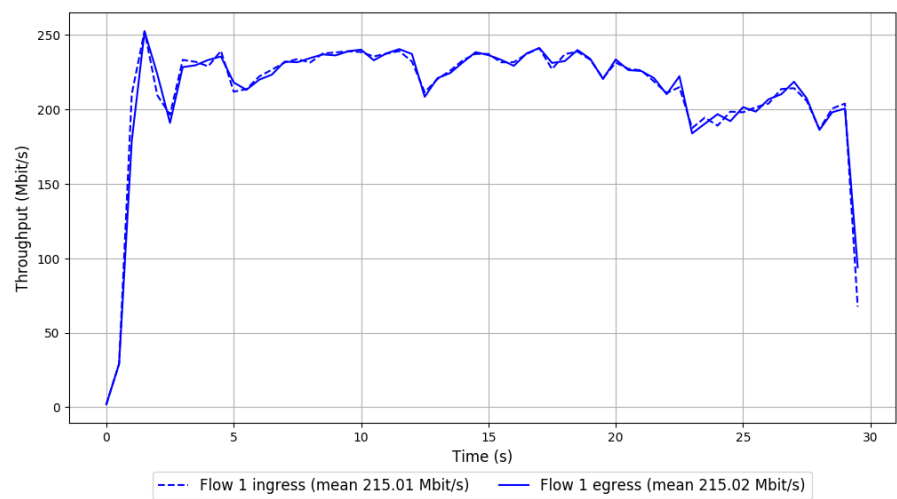
-- Flow 1:

Average throughput: 215.02 Mbit/s

95th percentile per-packet one-way delay: 62.202 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 07:19:37

End at: 2018-01-26 07:20:07

Below is generated by plot.py at 2018-01-26 09:01:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.09 Mbit/s

95th percentile per-packet one-way delay: 61.646 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 227.09 Mbit/s

95th percentile per-packet one-way delay: 61.646 ms

Loss rate: 0.00%

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

