

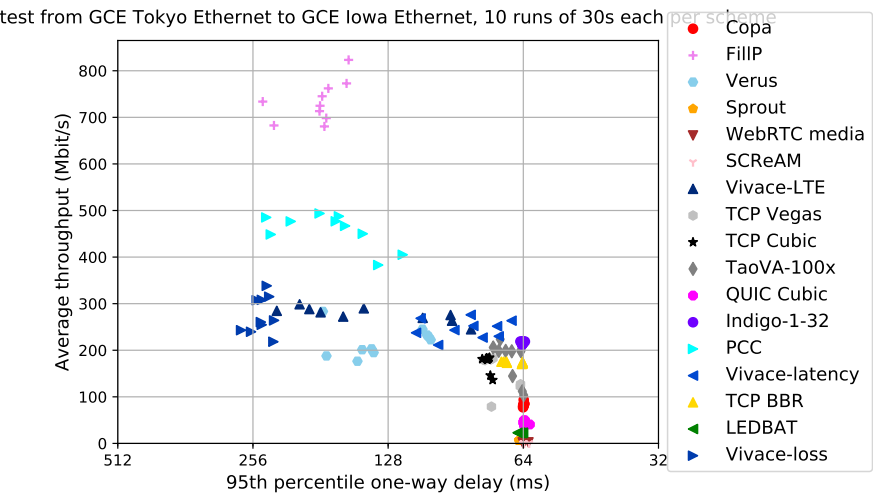
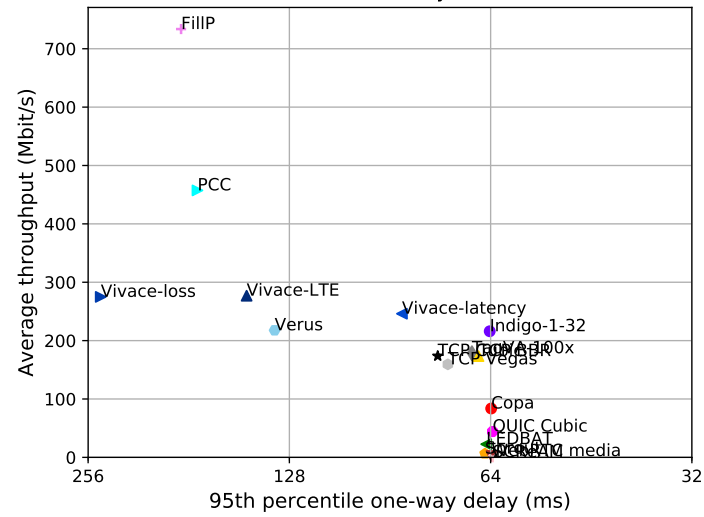
Pantheon Report

Generated at 2018-02-28 07:07:00 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE Iowa Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



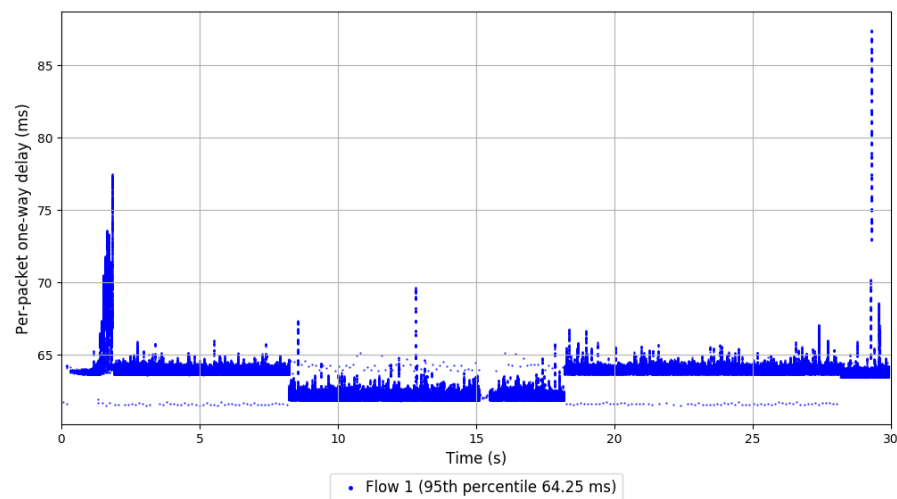
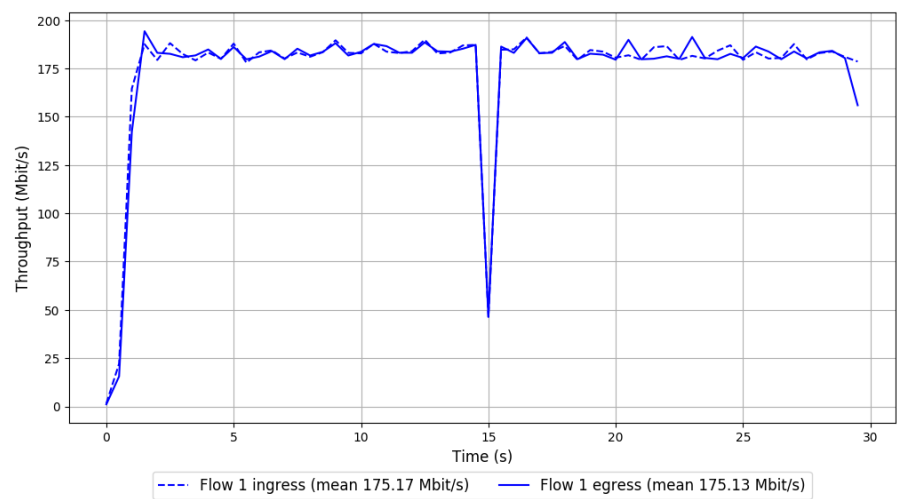
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	173.50	66.73	0.44
TCP Cubic	10	173.67	76.80	0.44
LEDBAT	10	22.55	64.99	0.83
PCC	10	457.34	175.64	1.45
QUIC Cubic	10	44.24	63.58	0.60
SCReAM	10	0.22	63.56	0.38
WebRTC media	10	2.21	63.82	0.52
Sprout	10	6.49	65.26	0.47
TaoVA-100x	10	178.35	68.26	0.32
TCP Vegas	10	159.33	74.16	0.40
Verus	10	217.67	134.68	2.55
Copa	10	83.71	63.88	0.38
FillP	10	733.71	185.87	14.55
Indigo-1-32	10	216.03	64.20	0.44
Vivace-latency	10	246.09	86.87	0.73
Vivace-loss	10	274.91	245.11	7.17
Vivace-LTE	10	276.93	148.31	1.09

```
Run 1: Statistics of TCP BBR

Start at: 2018-02-28 00:12:22
End at: 2018-02-28 00:12:52

# Below is generated by plot.py at 2018-02-28 05:08:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.13 Mbit/s
95th percentile per-packet one-way delay: 64.246 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 175.13 Mbit/s
95th percentile per-packet one-way delay: 64.246 ms
Loss rate: 0.44%
```


Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-28 00:27:16

End at: 2018-02-28 00:27:46

Below is generated by plot.py at 2018-02-28 05:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.44 Mbit/s

95th percentile per-packet one-way delay: 71.603 ms

Loss rate: 0.43%

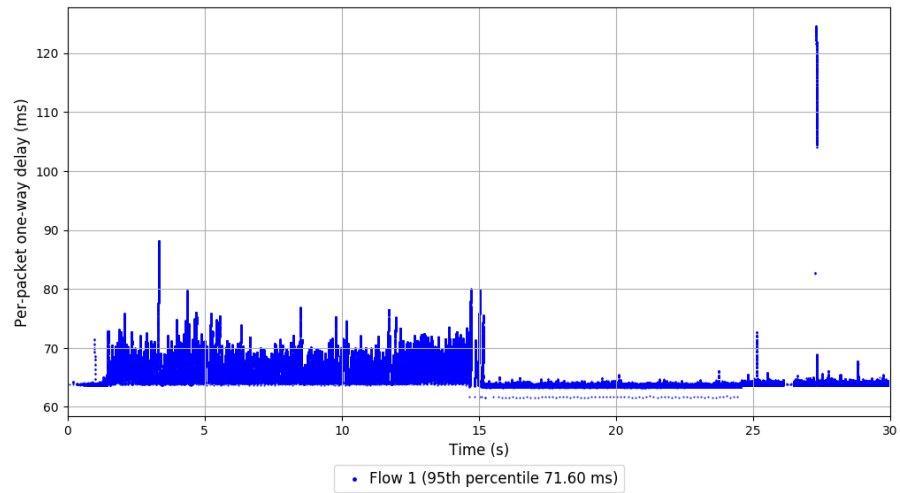
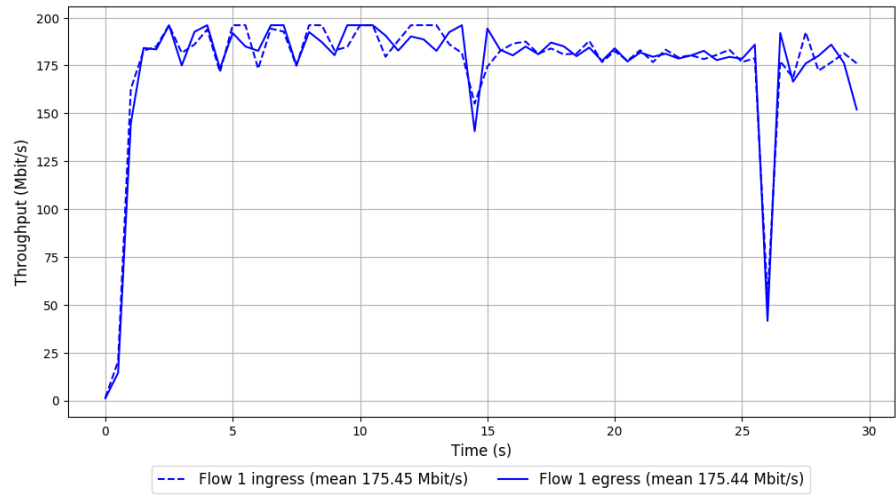
-- Flow 1:

Average throughput: 175.44 Mbit/s

95th percentile per-packet one-way delay: 71.603 ms

Loss rate: 0.43%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-28 00:42:01

End at: 2018-02-28 00:42:31

Below is generated by plot.py at 2018-02-28 05:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.55 Mbit/s

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

Loss rate: 0.44%

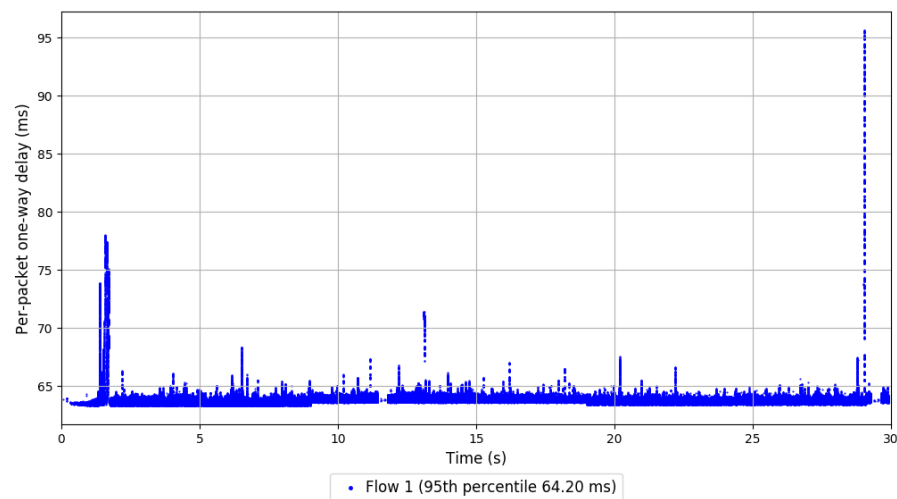
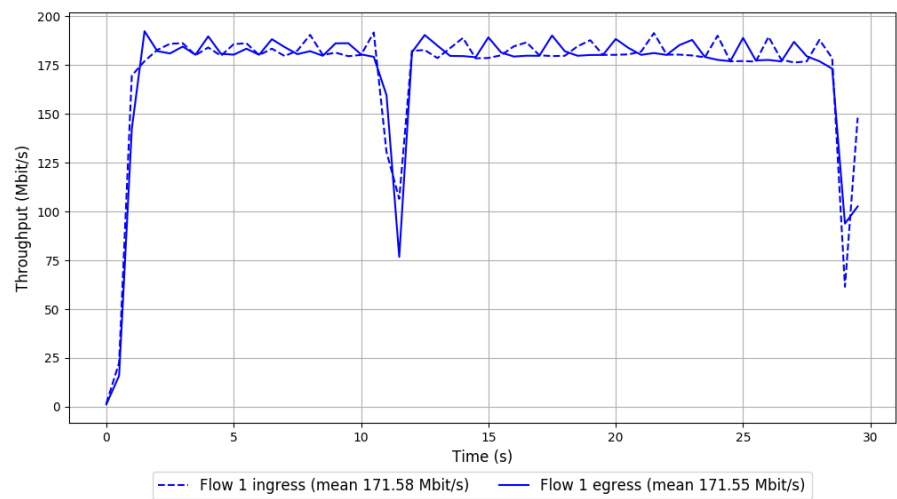
-- Flow 1:

Average throughput: 171.55 Mbit/s

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

Loss rate: 0.44%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-28 00:57:13

End at: 2018-02-28 00:57:43

Below is generated by plot.py at 2018-02-28 05:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.08 Mbit/s

95th percentile per-packet one-way delay: 69.623 ms

Loss rate: 0.50%

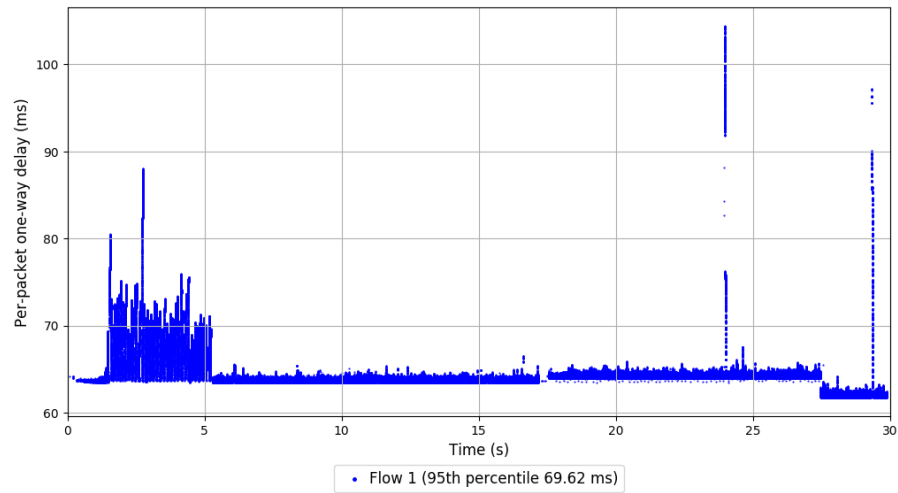
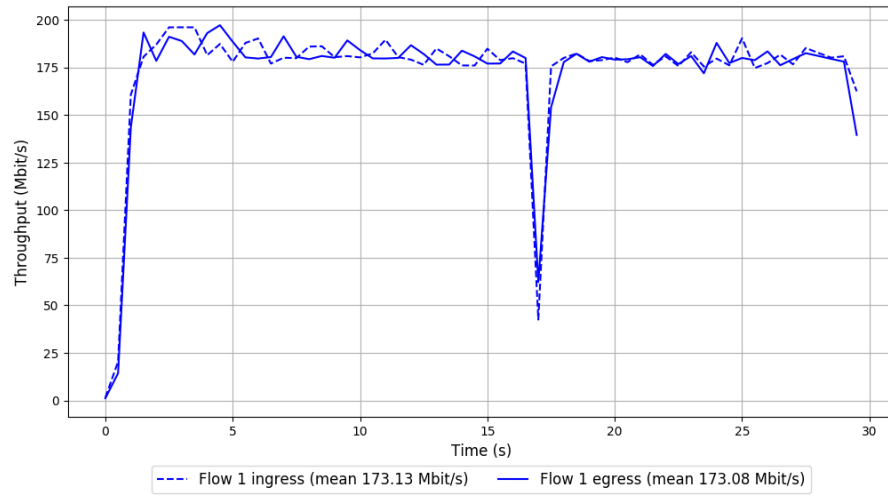
-- Flow 1:

Average throughput: 173.08 Mbit/s

95th percentile per-packet one-way delay: 69.623 ms

Loss rate: 0.50%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-28 01:12:14

End at: 2018-02-28 01:12:44

Below is generated by plot.py at 2018-02-28 05:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.64 Mbit/s

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

Loss rate: 0.45%

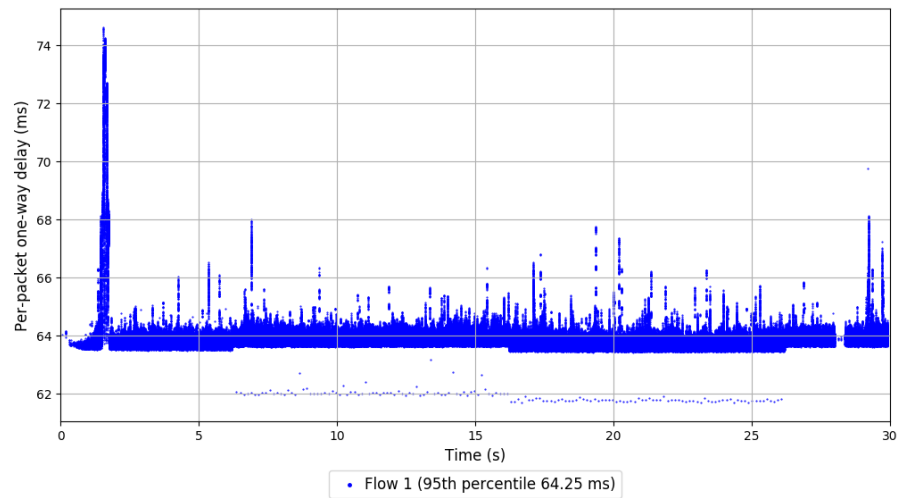
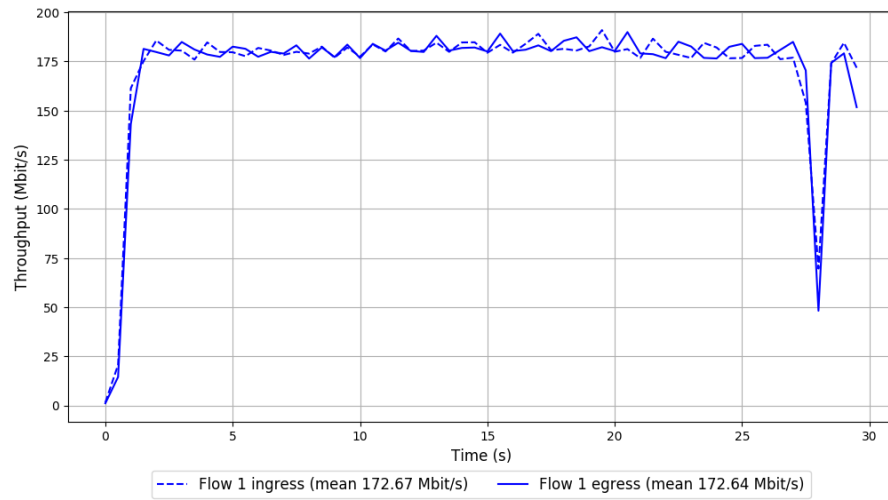
-- Flow 1:

Average throughput: 172.64 Mbit/s

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

Loss rate: 0.45%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-28 01:27:07

End at: 2018-02-28 01:27:37

Below is generated by plot.py at 2018-02-28 05:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.46 Mbit/s

95th percentile per-packet one-way delay: 70.791 ms

Loss rate: 0.43%

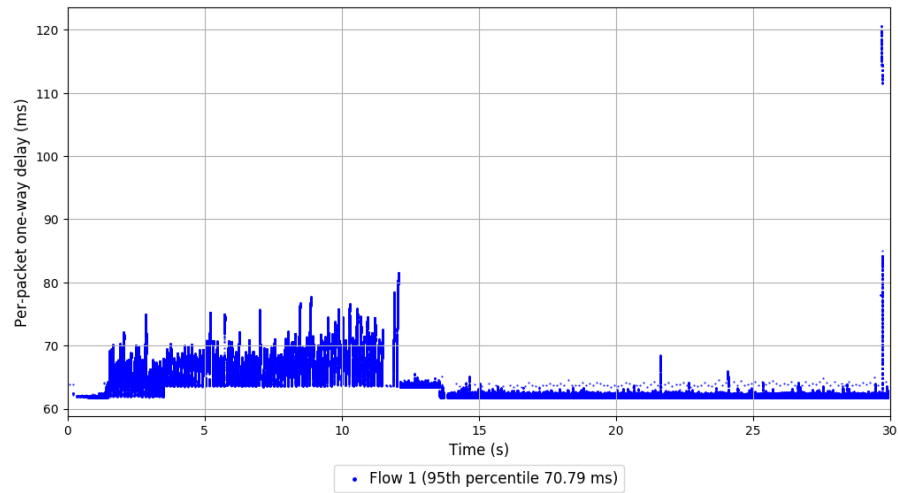
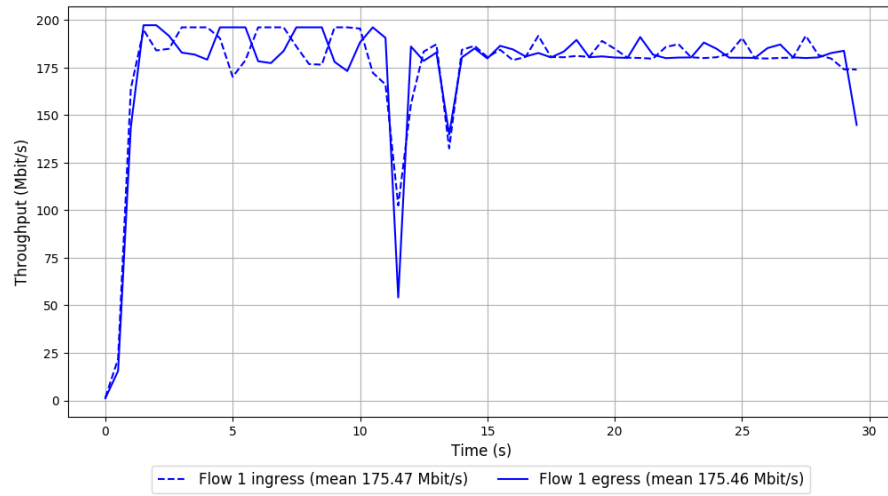
-- Flow 1:

Average throughput: 175.46 Mbit/s

95th percentile per-packet one-way delay: 70.791 ms

Loss rate: 0.43%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-28 01:41:57

End at: 2018-02-28 01:42:27

Below is generated by plot.py at 2018-02-28 05:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.43 Mbit/s

95th percentile per-packet one-way delay: 64.472 ms

Loss rate: 0.44%

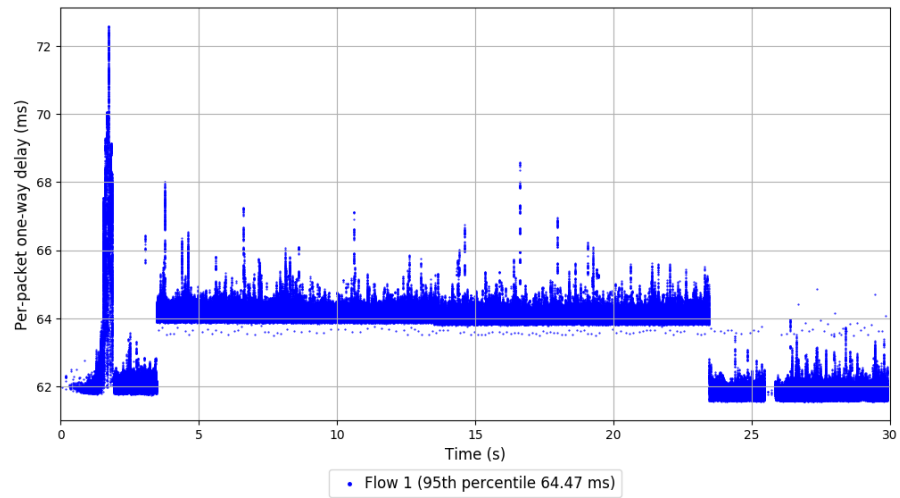
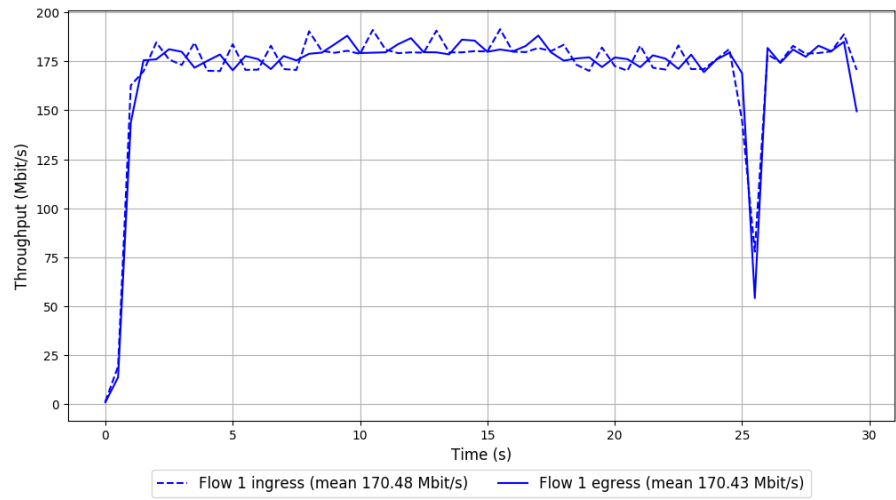
-- Flow 1:

Average throughput: 170.43 Mbit/s

95th percentile per-packet one-way delay: 64.472 ms

Loss rate: 0.44%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-28 01:56:40

End at: 2018-02-28 01:57:10

Below is generated by plot.py at 2018-02-28 05:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.35 Mbit/s

95th percentile per-packet one-way delay: 64.149 ms

Loss rate: 0.45%

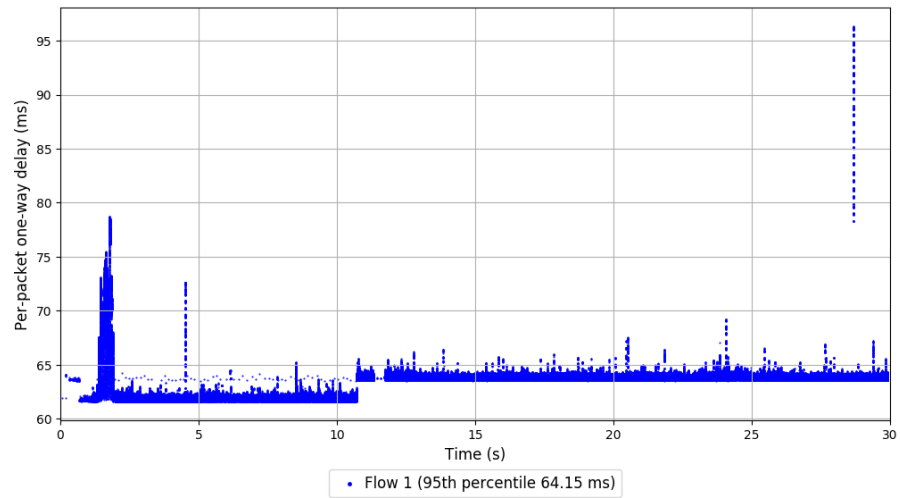
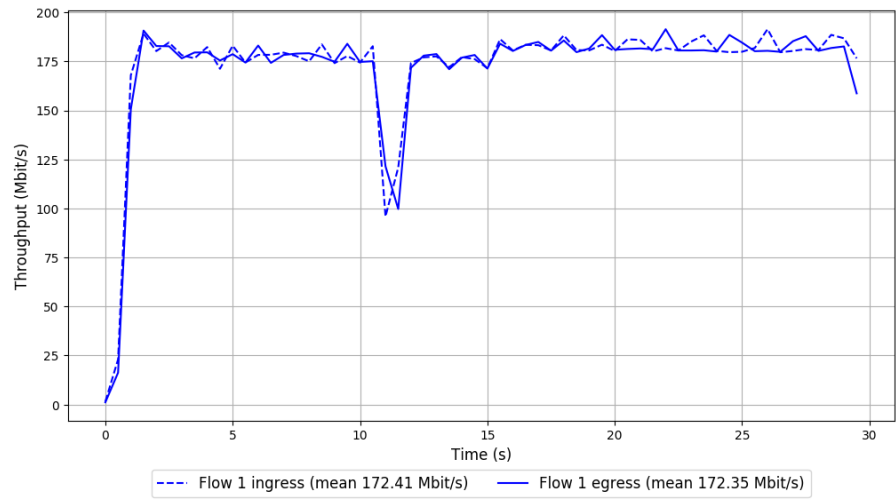
-- Flow 1:

Average throughput: 172.35 Mbit/s

95th percentile per-packet one-way delay: 64.149 ms

Loss rate: 0.45%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-28 02:11:33

End at: 2018-02-28 02:12:03

Below is generated by plot.py at 2018-02-28 05:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.21 Mbit/s

95th percentile per-packet one-way delay: 64.171 ms

Loss rate: 0.43%

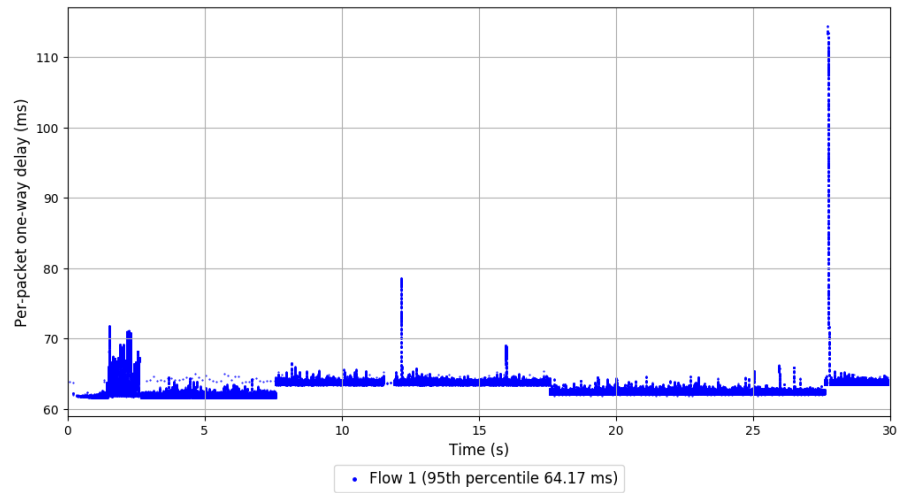
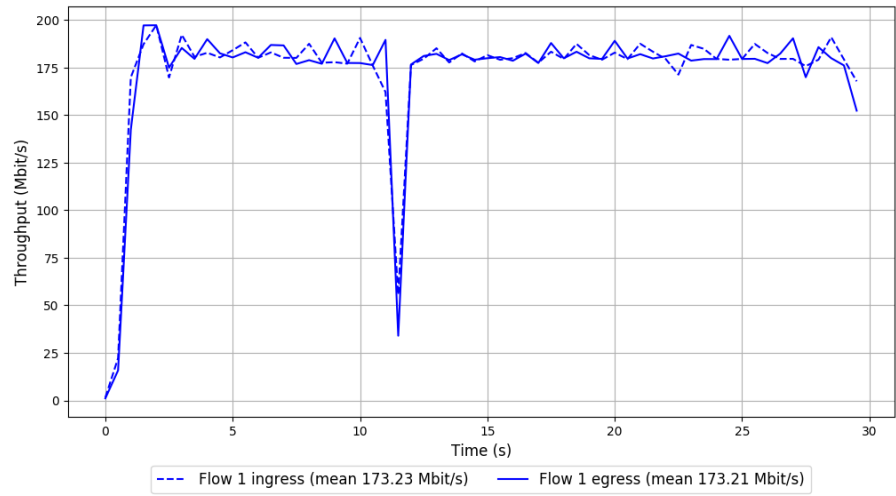
-- Flow 1:

Average throughput: 173.21 Mbit/s

95th percentile per-packet one-way delay: 64.171 ms

Loss rate: 0.43%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-28 02:26:11

End at: 2018-02-28 02:26:41

Below is generated by plot.py at 2018-02-28 05:13:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.70 Mbit/s

95th percentile per-packet one-way delay: 69.781 ms

Loss rate: 0.43%

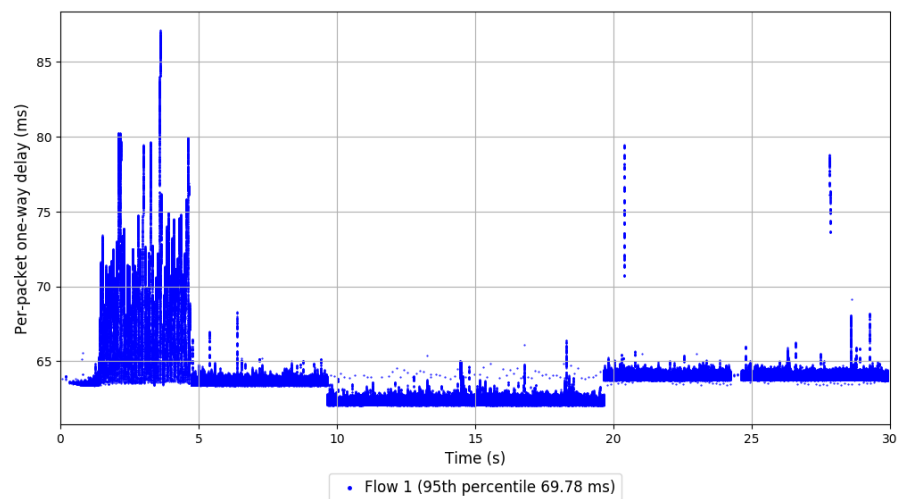
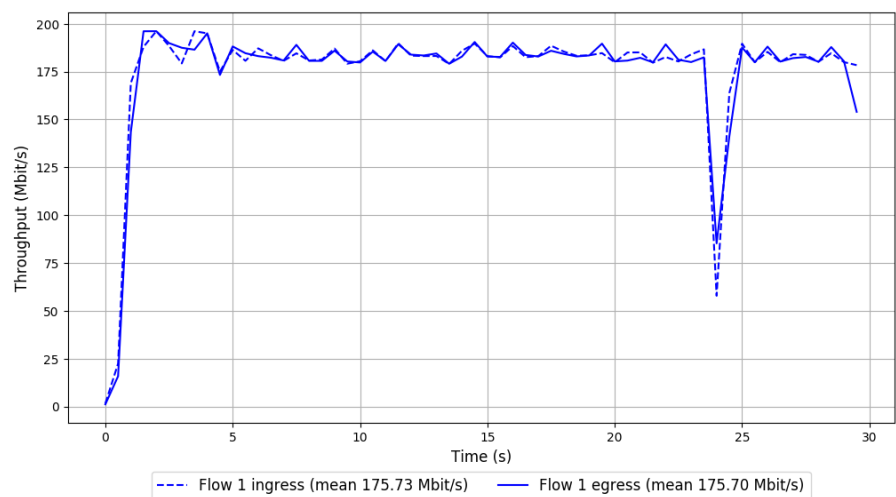
-- Flow 1:

Average throughput: 175.70 Mbit/s

95th percentile per-packet one-way delay: 69.781 ms

Loss rate: 0.43%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-28 00:07:29

End at: 2018-02-28 00:07:59

Below is generated by plot.py at 2018-02-28 05:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.28 Mbit/s

95th percentile per-packet one-way delay: 76.121 ms

Loss rate: 0.44%

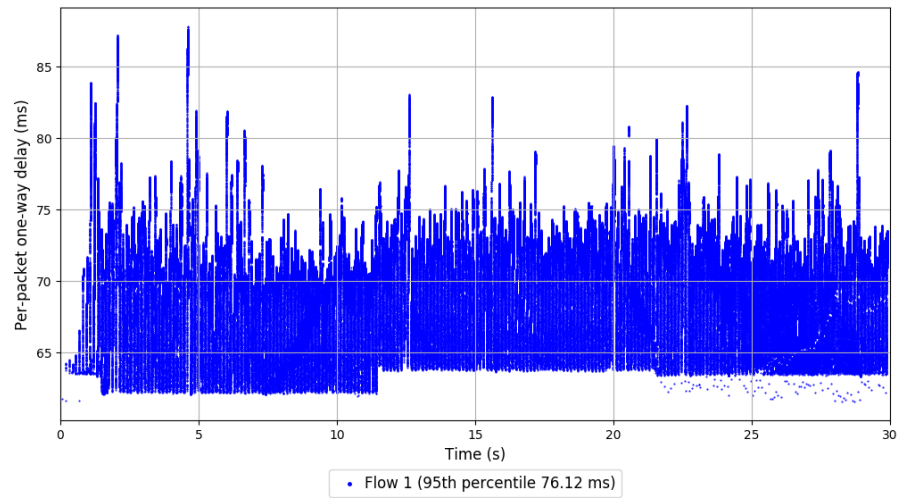
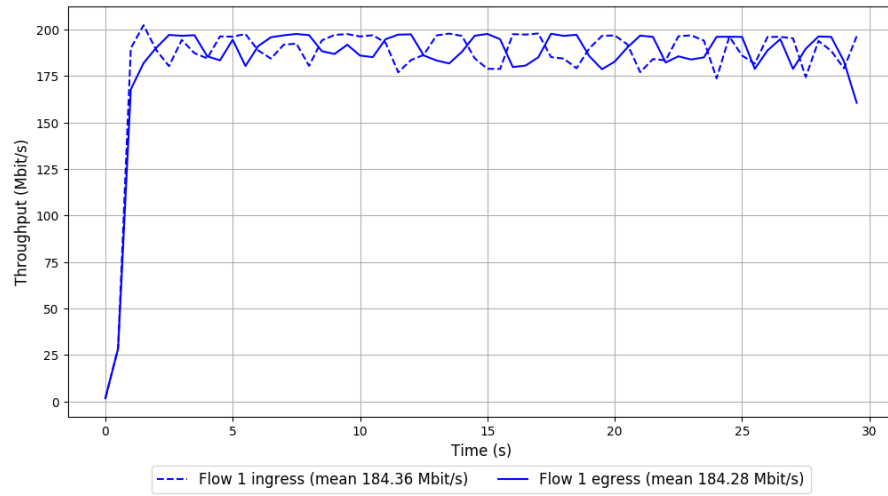
-- Flow 1:

Average throughput: 184.28 Mbit/s

95th percentile per-packet one-way delay: 76.121 ms

Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-28 00:22:16

End at: 2018-02-28 00:22:46

Below is generated by plot.py at 2018-02-28 05:13:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.01 Mbit/s

95th percentile per-packet one-way delay: 77.282 ms

Loss rate: 0.45%

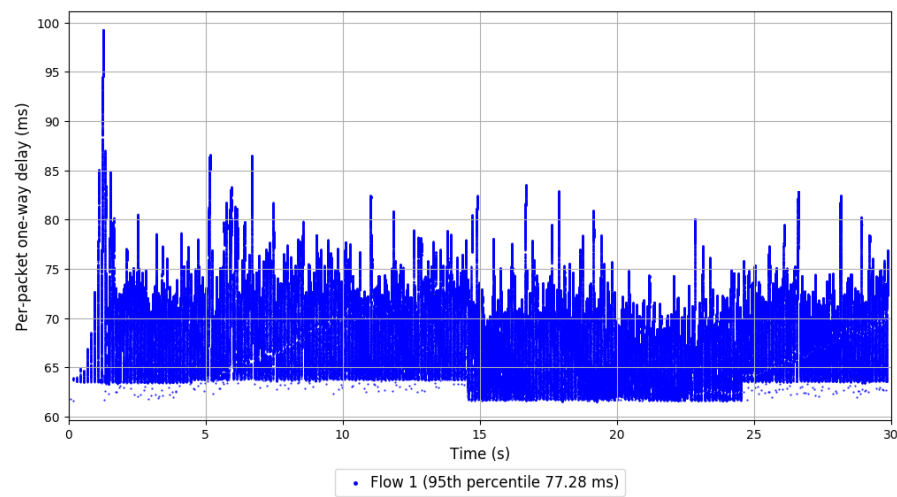
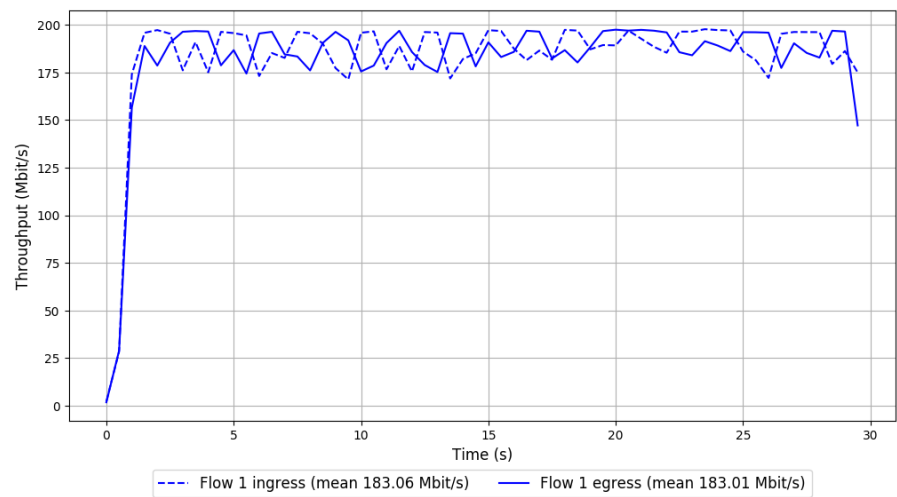
-- Flow 1:

Average throughput: 183.01 Mbit/s

95th percentile per-packet one-way delay: 77.282 ms

Loss rate: 0.45%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-28 00:37:14

End at: 2018-02-28 00:37:44

Below is generated by plot.py at 2018-02-28 05:13:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.50 Mbit/s

95th percentile per-packet one-way delay: 77.457 ms

Loss rate: 0.14%

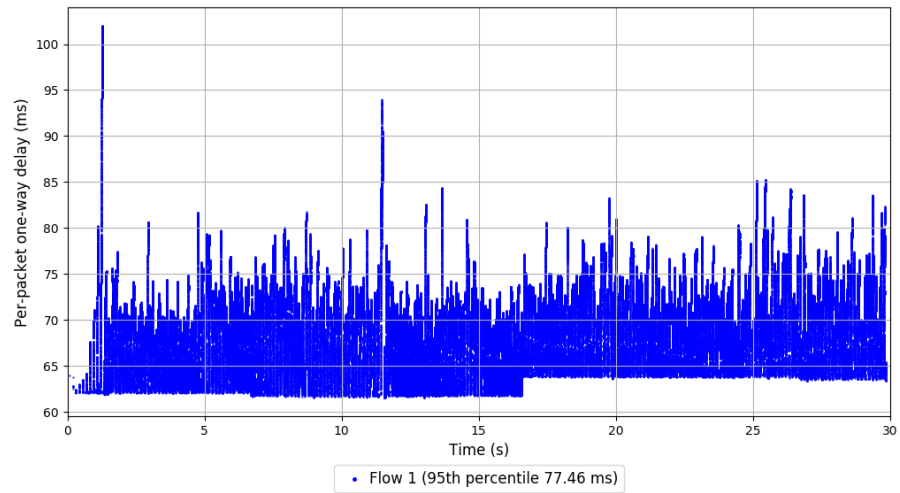
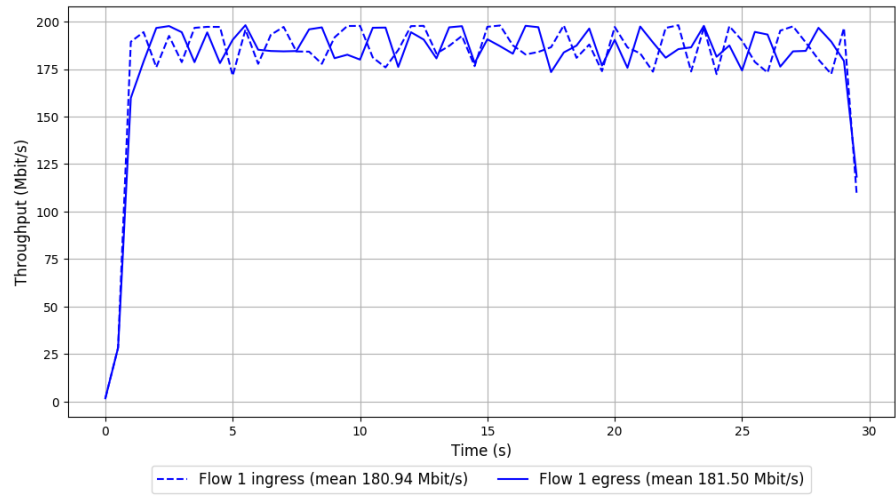
-- Flow 1:

Average throughput: 181.50 Mbit/s

95th percentile per-packet one-way delay: 77.457 ms

Loss rate: 0.14%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-28 00:51:46

End at: 2018-02-28 00:52:16

Below is generated by plot.py at 2018-02-28 05:13:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.05 Mbit/s

95th percentile per-packet one-way delay: 79.003 ms

Loss rate: 0.46%

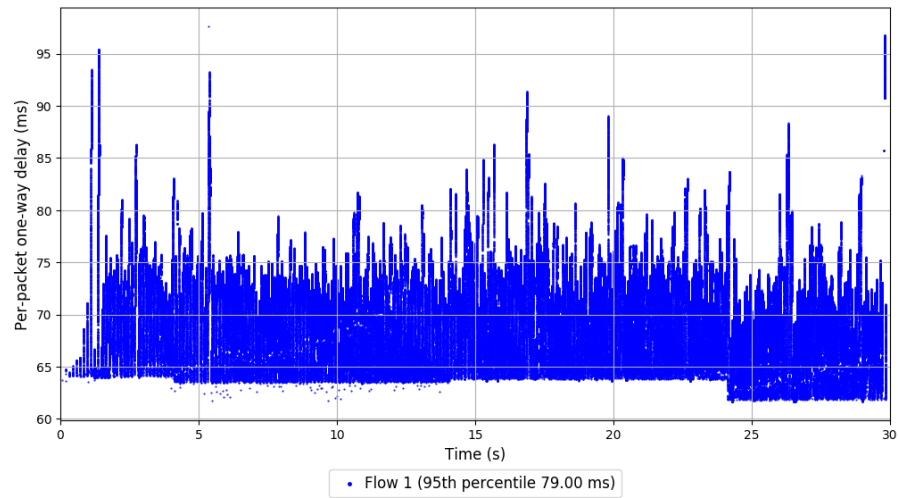
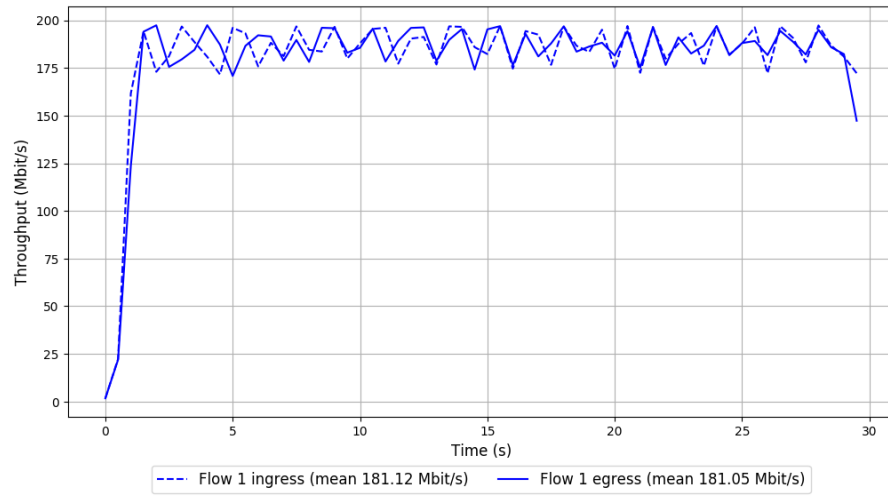
-- Flow 1:

Average throughput: 181.05 Mbit/s

95th percentile per-packet one-way delay: 79.003 ms

Loss rate: 0.46%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-28 01:07:15

End at: 2018-02-28 01:07:45

Below is generated by plot.py at 2018-02-28 05:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.67 Mbit/s

95th percentile per-packet one-way delay: 77.212 ms

Loss rate: 0.49%

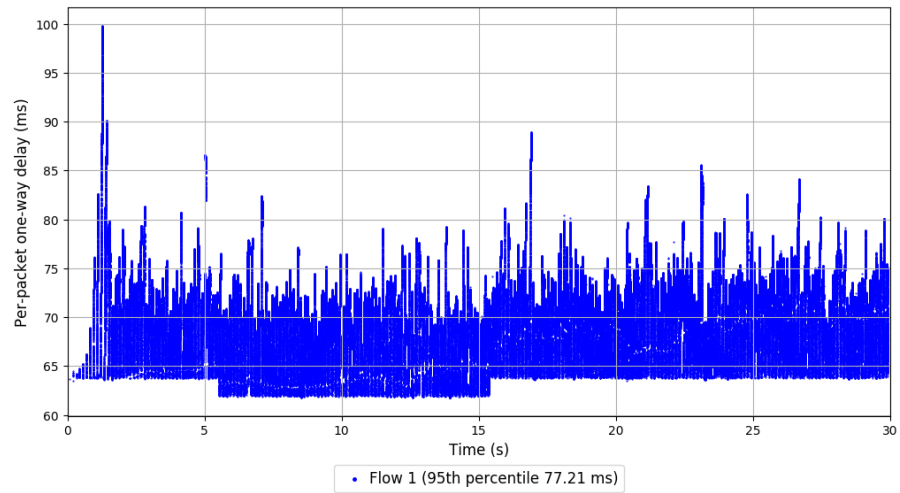
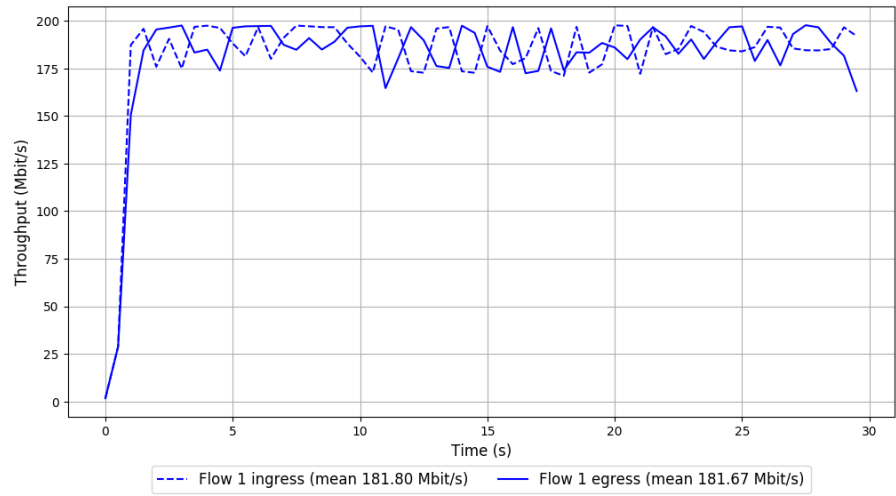
-- Flow 1:

Average throughput: 181.67 Mbit/s

95th percentile per-packet one-way delay: 77.212 ms

Loss rate: 0.49%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-28 01:22:12

End at: 2018-02-28 01:22:42

Below is generated by plot.py at 2018-02-28 05:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.54 Mbit/s

95th percentile per-packet one-way delay: 76.942 ms

Loss rate: 0.46%

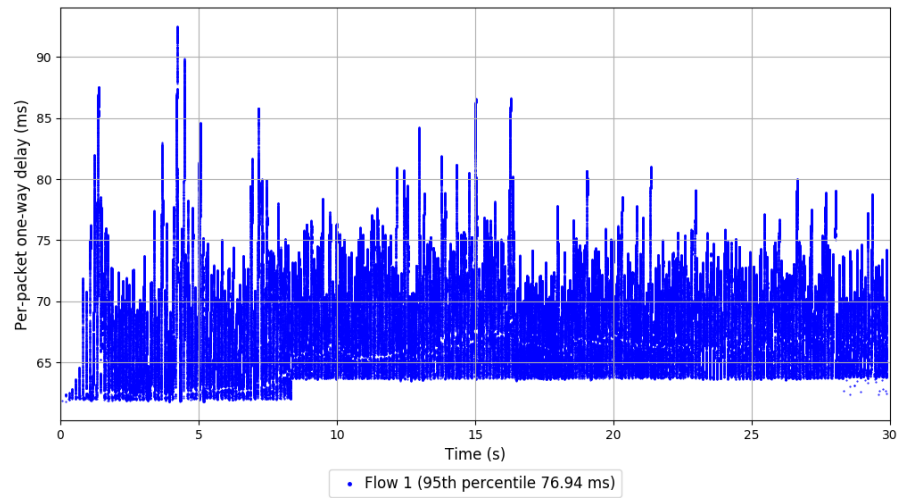
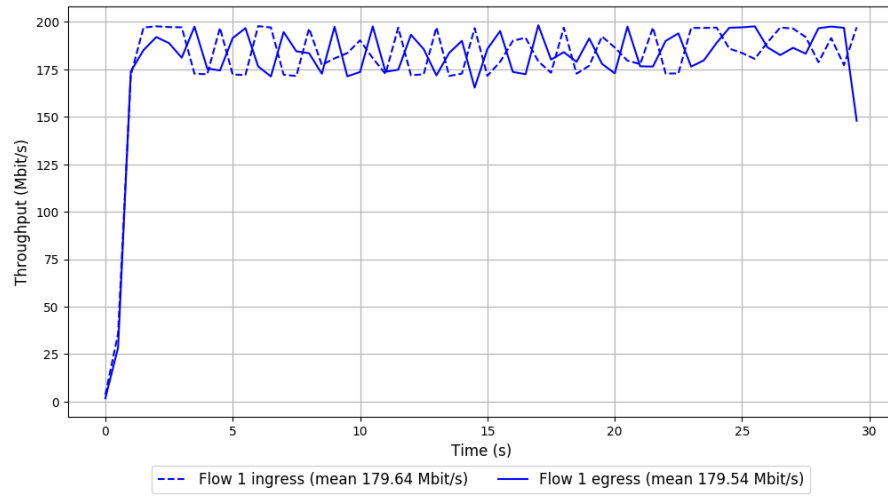
-- Flow 1:

Average throughput: 179.54 Mbit/s

95th percentile per-packet one-way delay: 76.942 ms

Loss rate: 0.46%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-28 01:36:59

End at: 2018-02-28 01:37:29

Below is generated by plot.py at 2018-02-28 05:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.62 Mbit/s

95th percentile per-packet one-way delay: 76.814 ms

Loss rate: 0.49%

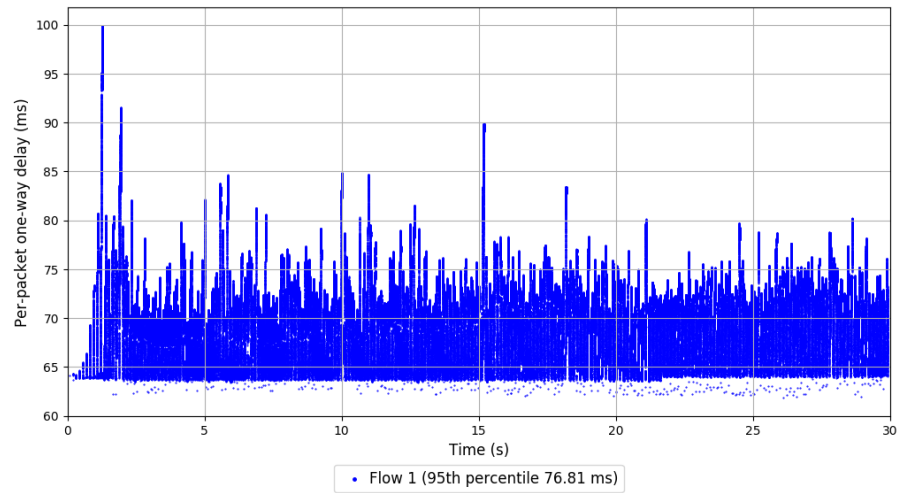
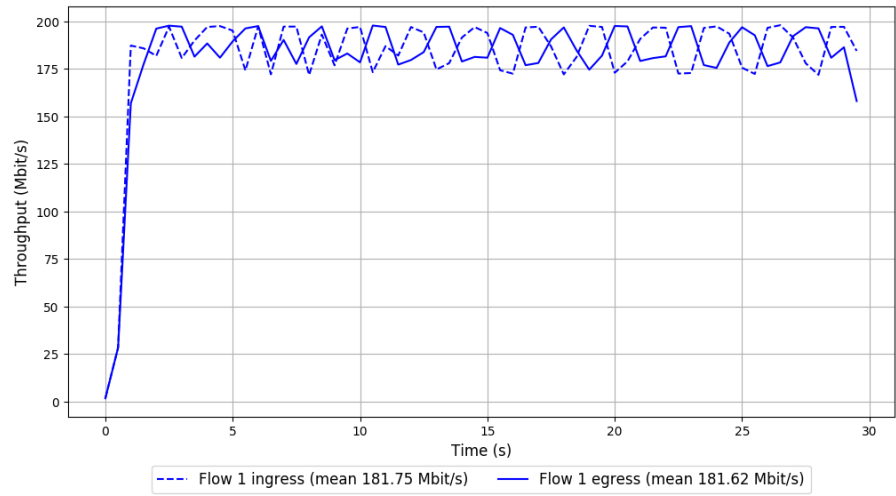
-- Flow 1:

Average throughput: 181.62 Mbit/s

95th percentile per-packet one-way delay: 76.814 ms

Loss rate: 0.49%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-28 01:51:48

End at: 2018-02-28 01:52:18

Below is generated by plot.py at 2018-02-28 05:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.13 Mbit/s

95th percentile per-packet one-way delay: 74.896 ms

Loss rate: 0.60%

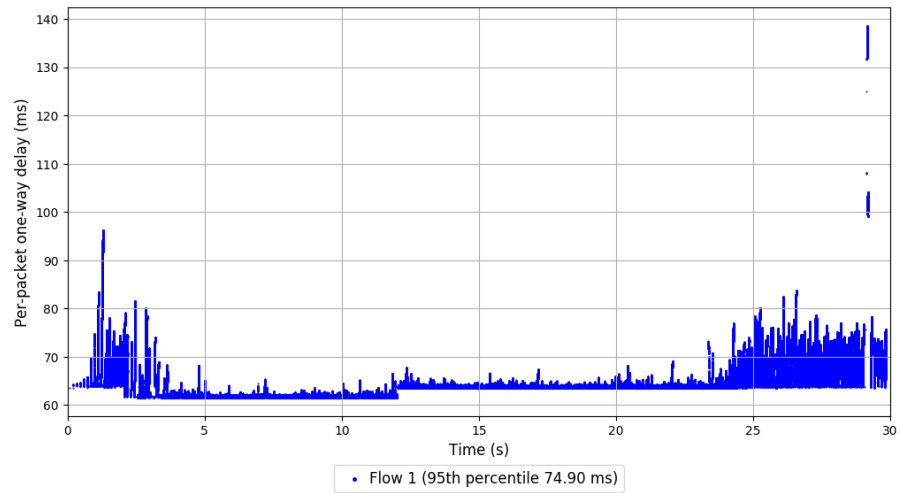
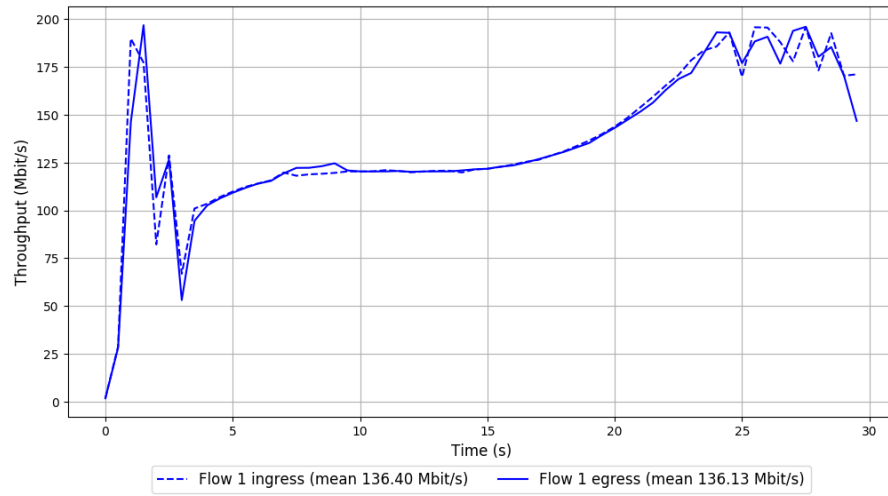
-- Flow 1:

Average throughput: 136.13 Mbit/s

95th percentile per-packet one-way delay: 74.896 ms

Loss rate: 0.60%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-28 02:06:37

End at: 2018-02-28 02:07:07

Below is generated by plot.py at 2018-02-28 05:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.90 Mbit/s

95th percentile per-packet one-way delay: 75.780 ms

Loss rate: 0.39%

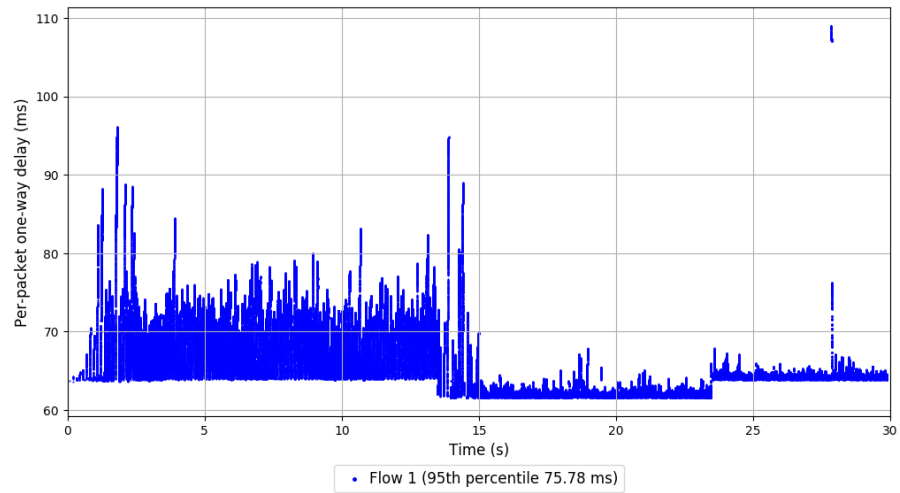
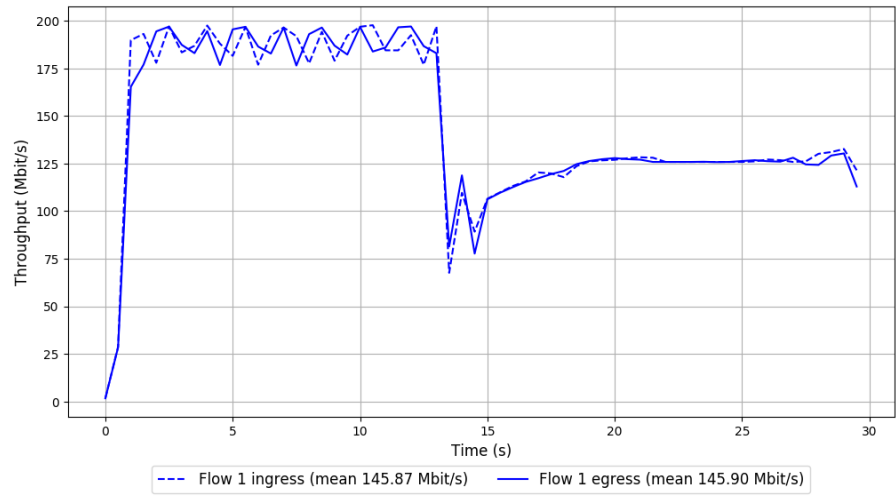
-- Flow 1:

Average throughput: 145.90 Mbit/s

95th percentile per-packet one-way delay: 75.780 ms

Loss rate: 0.39%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-28 02:21:16

End at: 2018-02-28 02:21:46

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.03 Mbit/s

95th percentile per-packet one-way delay: 76.472 ms

Loss rate: 0.45%

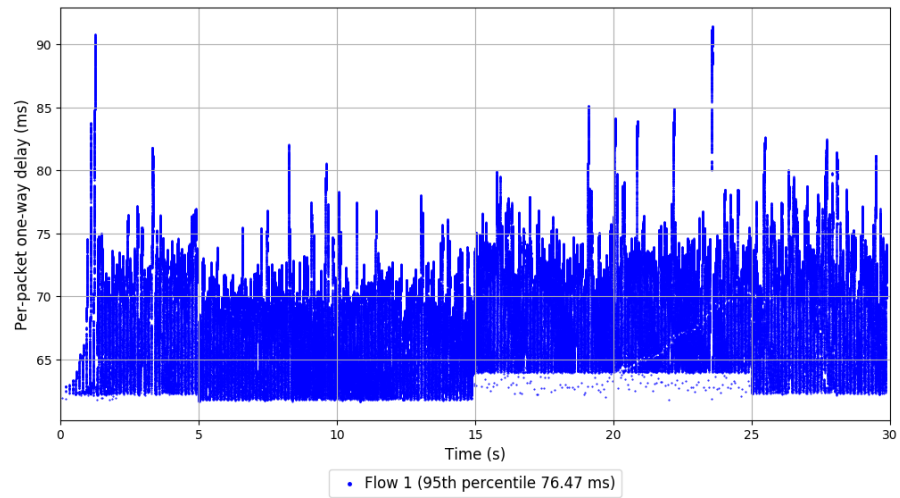
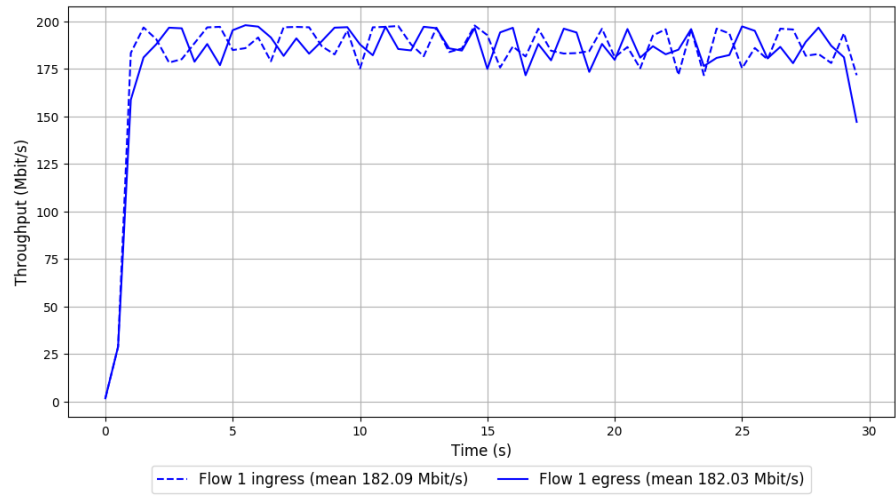
-- Flow 1:

Average throughput: 182.03 Mbit/s

95th percentile per-packet one-way delay: 76.472 ms

Loss rate: 0.45%

Run 10: Report of TCP Cubic — Data Link

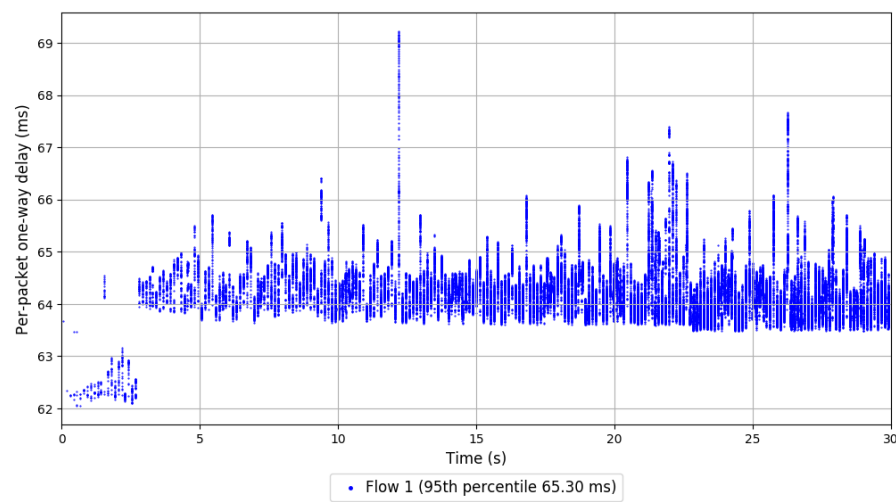
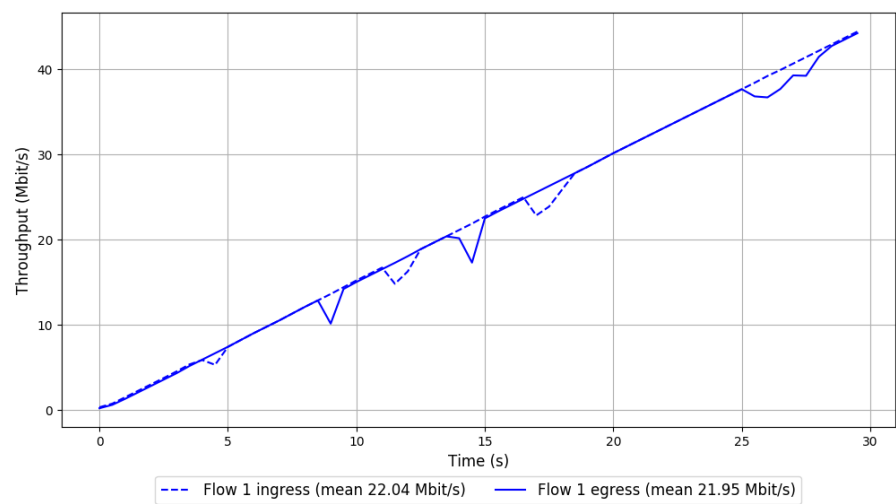


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-27 23:59:08
End at: 2018-02-27 23:59:38

# Below is generated by plot.py at 2018-02-28 05:17:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 65.301 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 65.301 ms
Loss rate: 0.85%
```


Run 1: Report of LEDBAT — Data Link

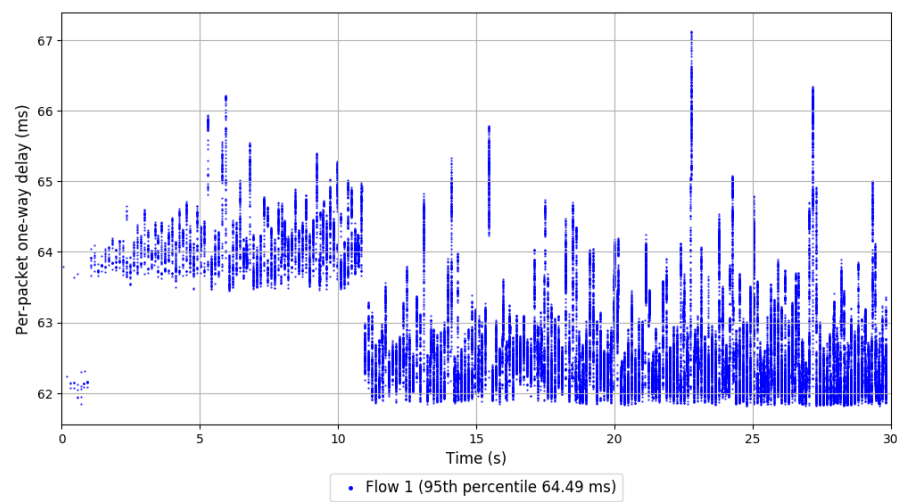
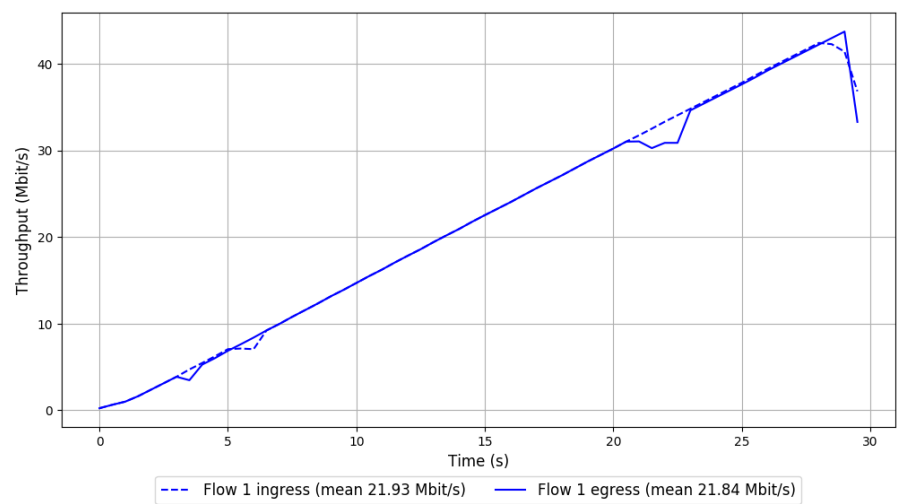


```
Run 2: Statistics of LEDBAT

Start at: 2018-02-28 00:13:49
End at: 2018-02-28 00:14:19

# Below is generated by plot.py at 2018-02-28 05:17:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 64.490 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 64.490 ms
Loss rate: 0.85%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-28 00:28:43

End at: 2018-02-28 00:29:13

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 65.911 ms

Loss rate: 0.83%

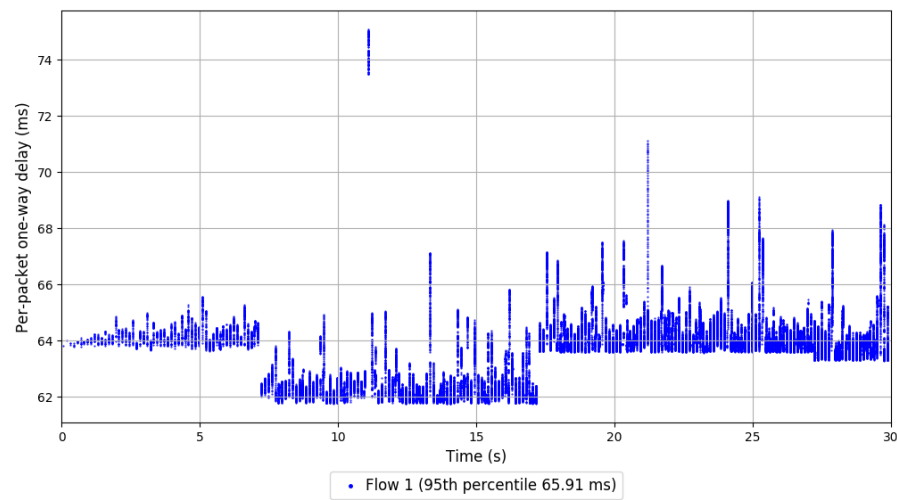
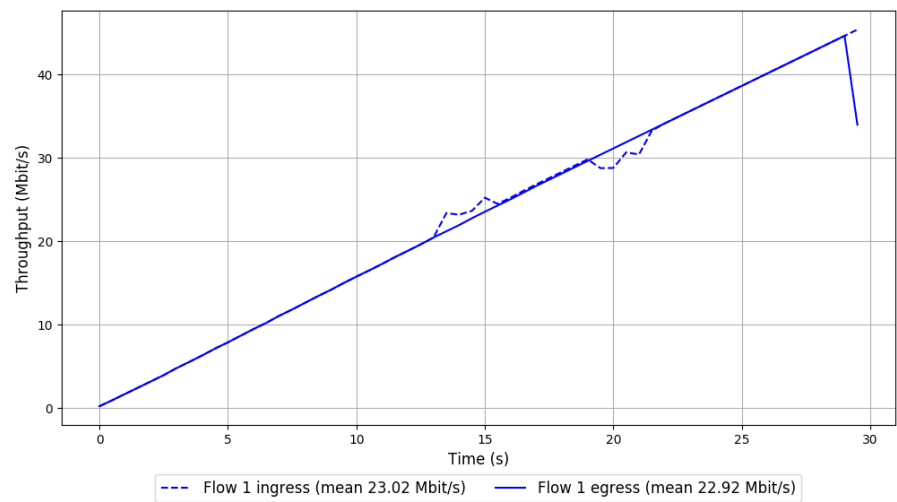
-- Flow 1:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 65.911 ms

Loss rate: 0.83%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-28 00:43:29

End at: 2018-02-28 00:43:59

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.99 Mbit/s

95th percentile per-packet one-way delay: 65.506 ms

Loss rate: 0.85%

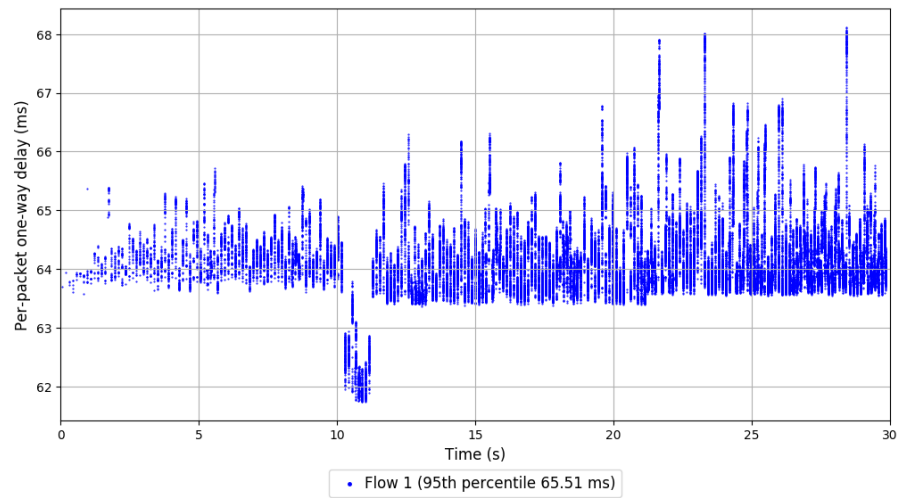
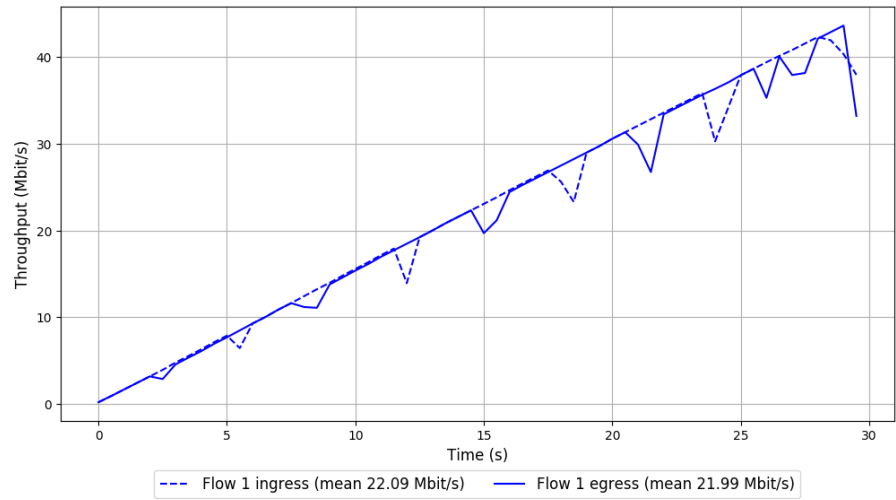
-- Flow 1:

Average throughput: 21.99 Mbit/s

95th percentile per-packet one-way delay: 65.506 ms

Loss rate: 0.85%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-28 00:58:41

End at: 2018-02-28 00:59:12

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.03 Mbit/s

95th percentile per-packet one-way delay: 65.170 ms

Loss rate: 0.83%

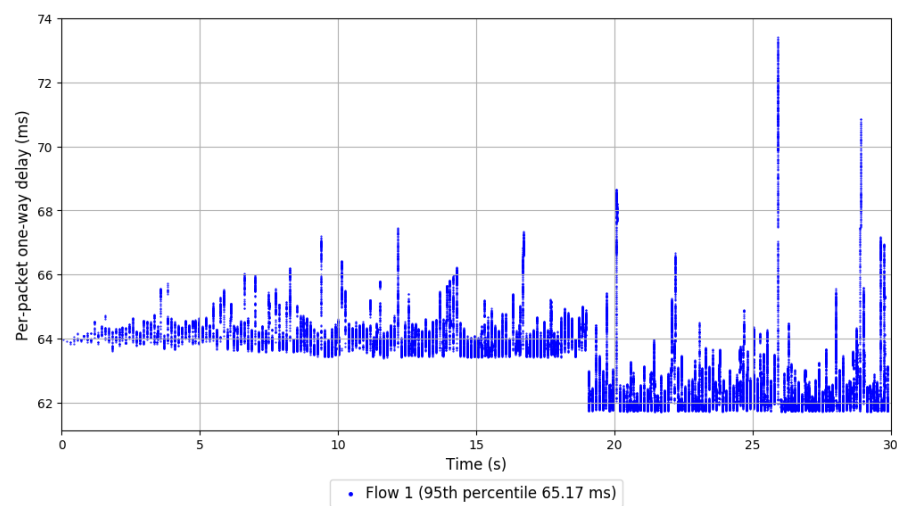
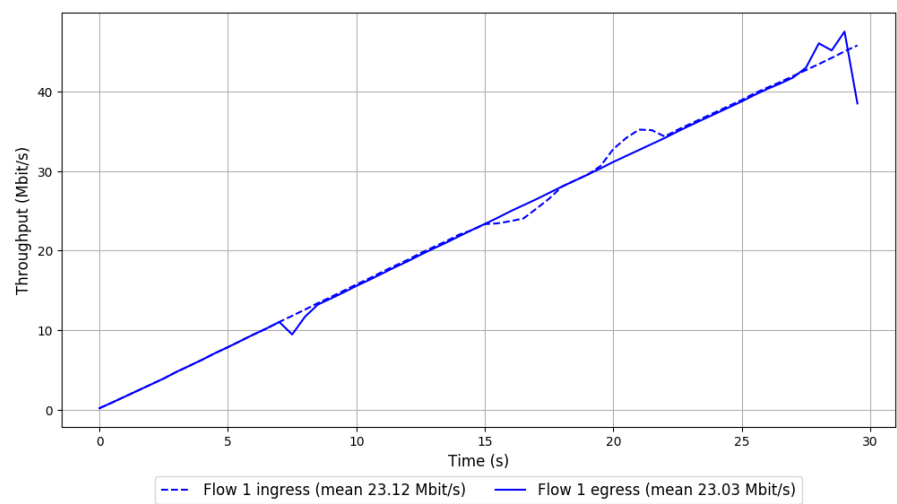
-- Flow 1:

Average throughput: 23.03 Mbit/s

95th percentile per-packet one-way delay: 65.170 ms

Loss rate: 0.83%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-28 01:13:45

End at: 2018-02-28 01:14:15

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.56 Mbit/s

95th percentile per-packet one-way delay: 65.345 ms

Loss rate: 0.84%

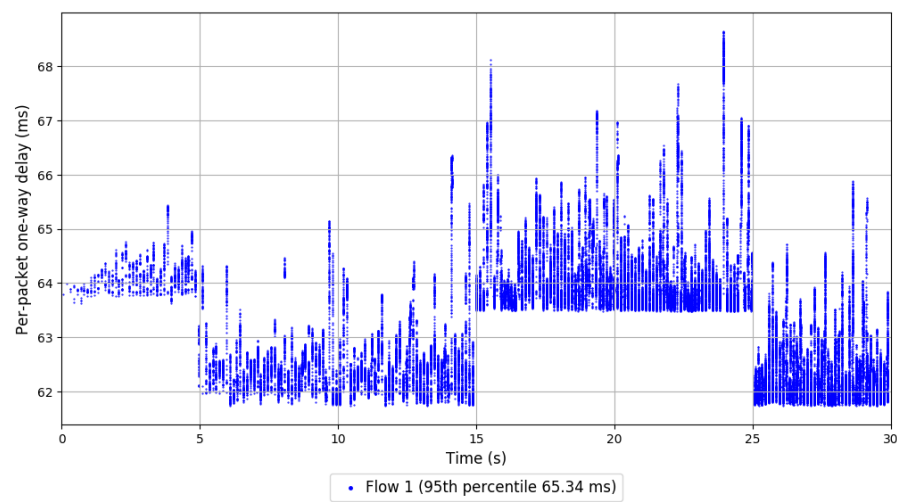
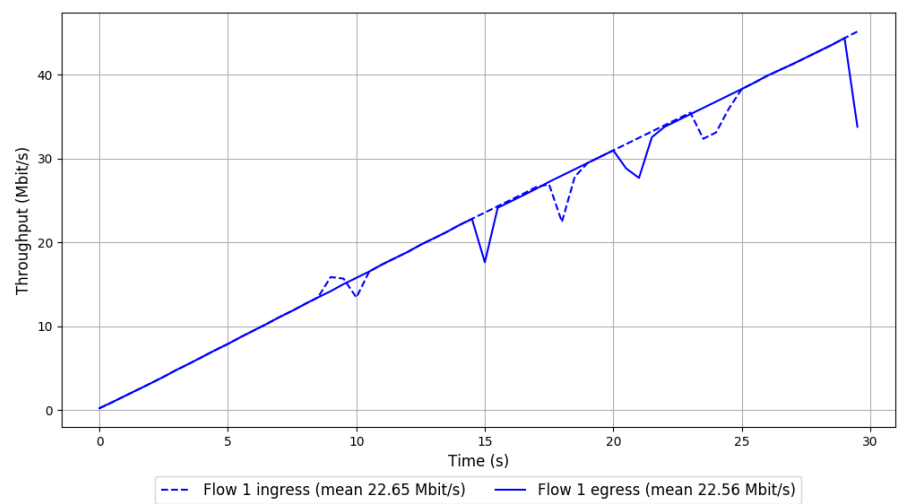
-- Flow 1:

Average throughput: 22.56 Mbit/s

95th percentile per-packet one-way delay: 65.345 ms

Loss rate: 0.84%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-28 01:28:34

End at: 2018-02-28 01:29:04

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.93 Mbit/s

95th percentile per-packet one-way delay: 64.083 ms

Loss rate: 0.83%

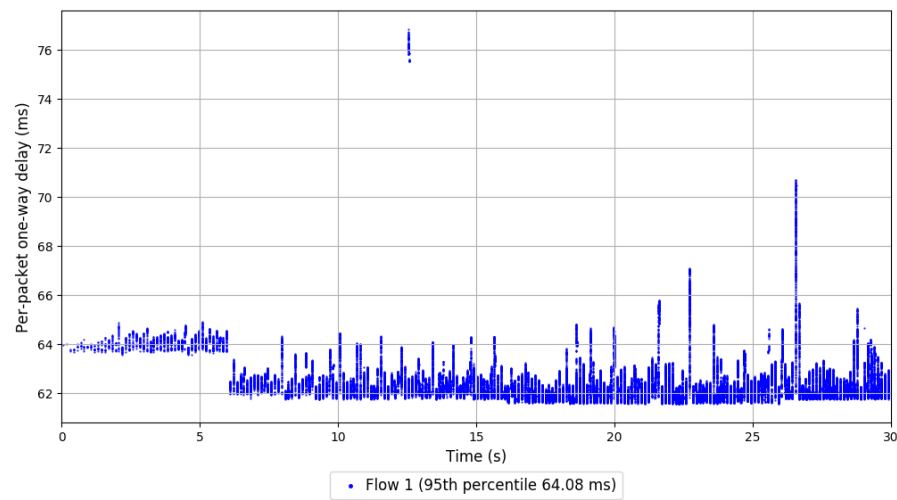
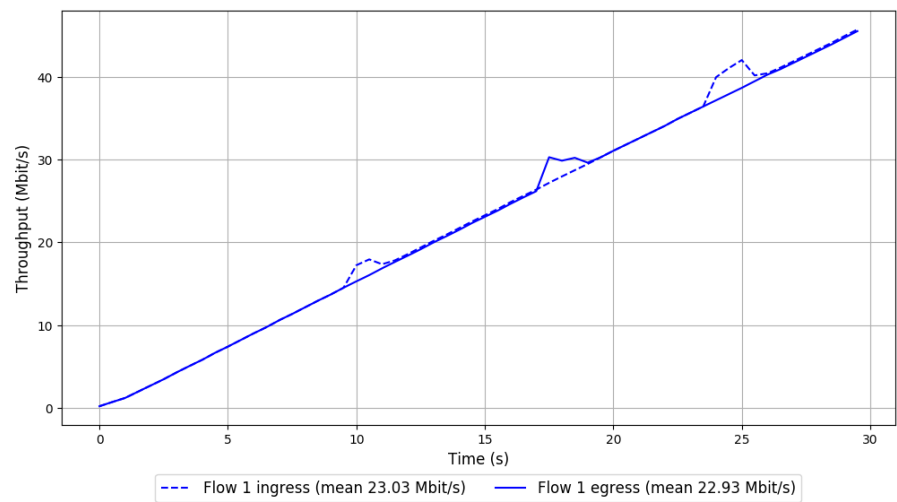
-- Flow 1:

Average throughput: 22.93 Mbit/s

95th percentile per-packet one-way delay: 64.083 ms

Loss rate: 0.83%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-28 01:43:25

End at: 2018-02-28 01:43:55

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: 64.178 ms

Loss rate: 0.79%

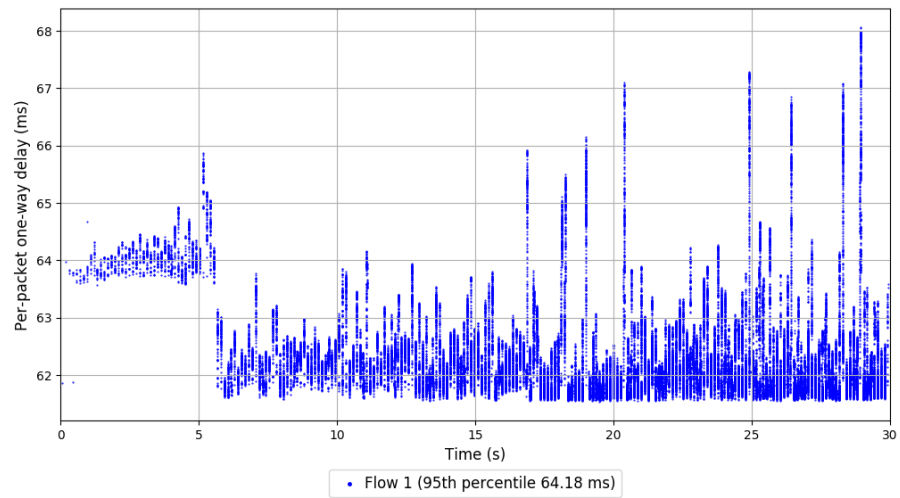
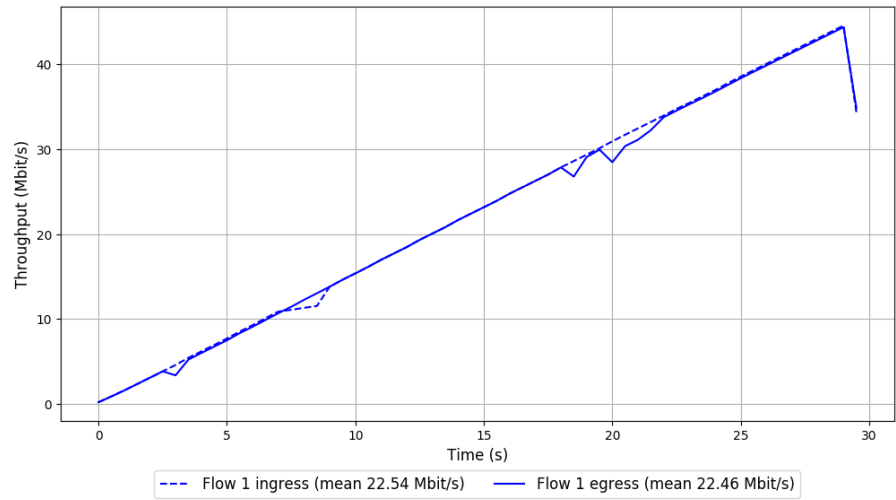
-- Flow 1:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: 64.178 ms

Loss rate: 0.79%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-28 01:58:07

End at: 2018-02-28 01:58:37

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.82 Mbit/s

95th percentile per-packet one-way delay: 64.581 ms

Loss rate: 0.84%

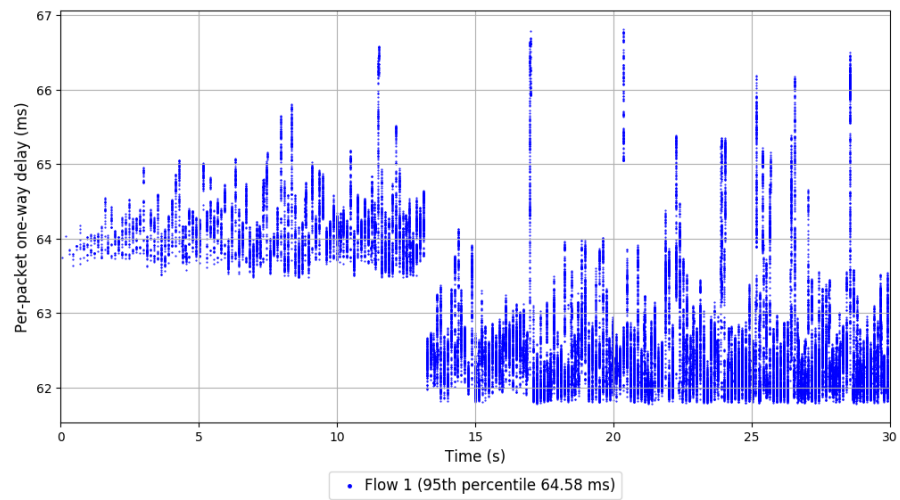
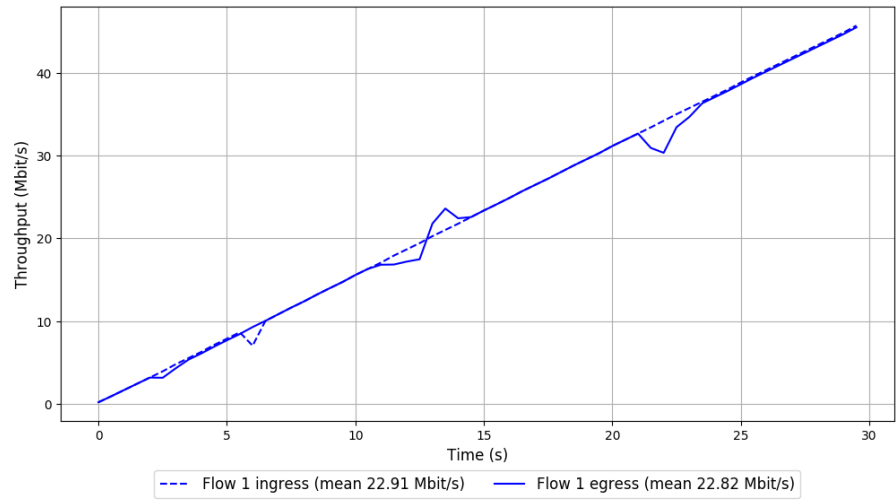
-- Flow 1:

Average throughput: 22.82 Mbit/s

95th percentile per-packet one-way delay: 64.581 ms

Loss rate: 0.84%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-28 02:13:01

End at: 2018-02-28 02:13:31

Below is generated by plot.py at 2018-02-28 05:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.99 Mbit/s

95th percentile per-packet one-way delay: 65.341 ms

Loss rate: 0.83%

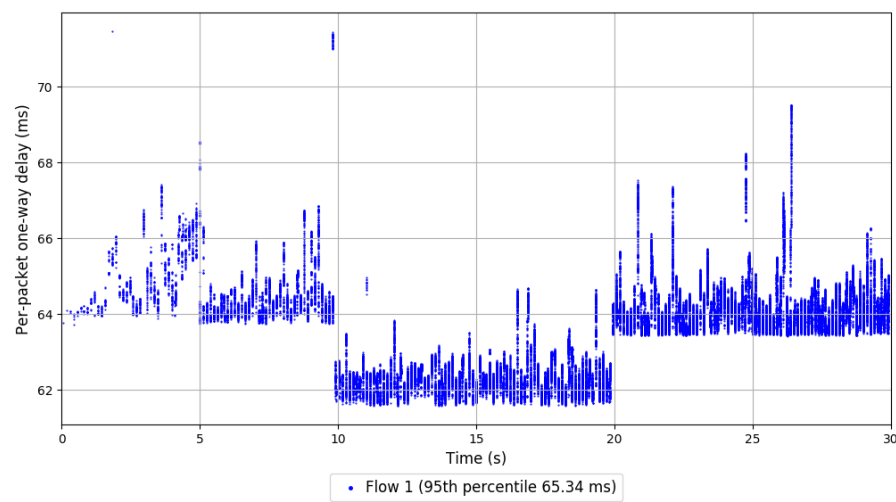
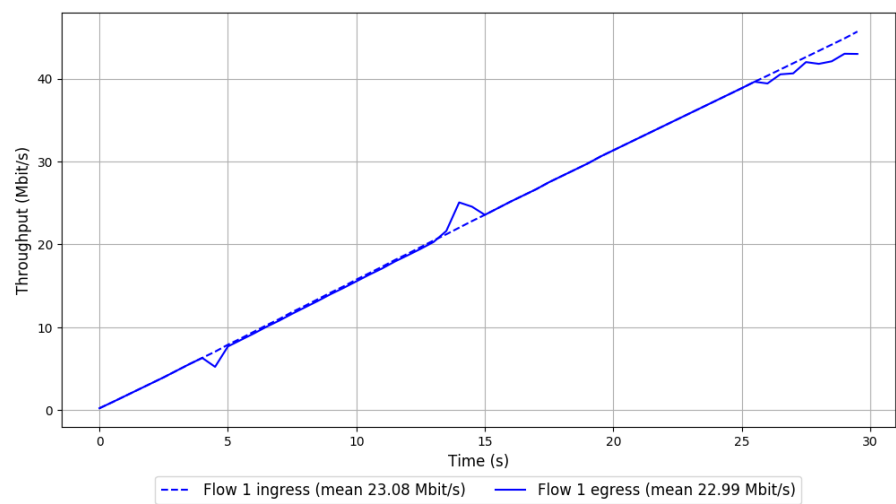
-- Flow 1:

Average throughput: 22.99 Mbit/s

95th percentile per-packet one-way delay: 65.341 ms

Loss rate: 0.83%

Run 10: Report of LEDBAT — Data Link

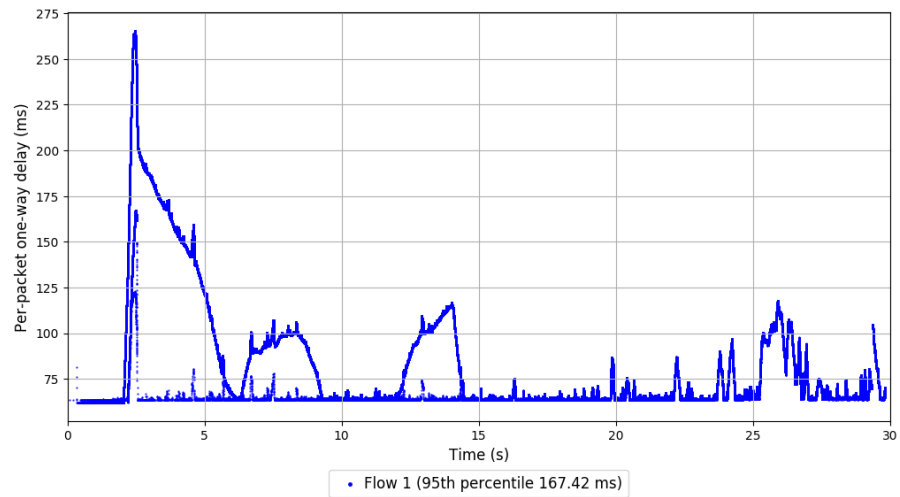
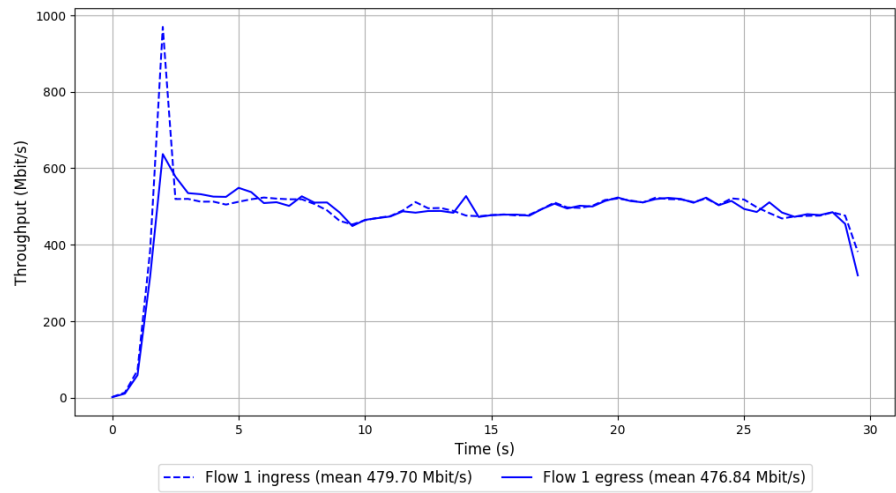


```
Run 1: Statistics of PCC

Start at: 2018-02-28 00:09:36
End at: 2018-02-28 00:10:06

# Below is generated by plot.py at 2018-02-28 05:27:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 476.84 Mbit/s
95th percentile per-packet one-way delay: 167.420 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 476.84 Mbit/s
95th percentile per-packet one-way delay: 167.420 ms
Loss rate: 1.08%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-28 00:24:29

End at: 2018-02-28 00:24:59

Below is generated by plot.py at 2018-02-28 05:27:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.59 Mbit/s

95th percentile per-packet one-way delay: 210.879 ms

Loss rate: 0.98%

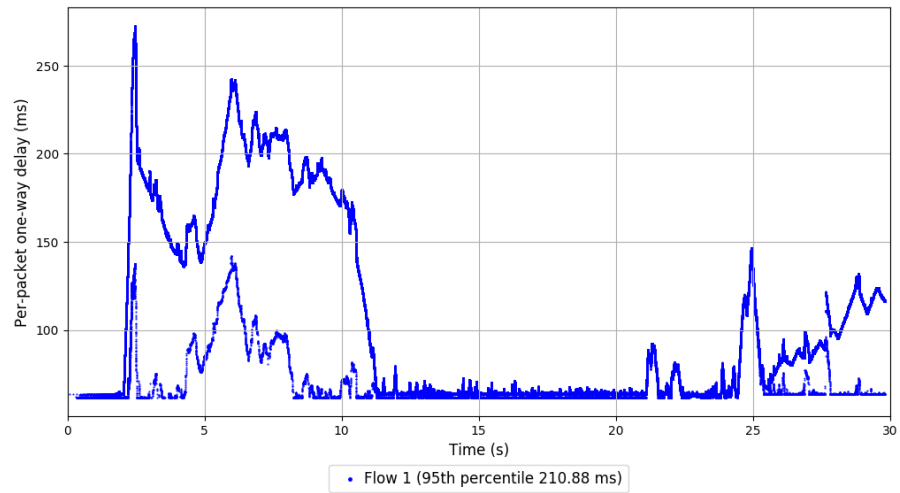
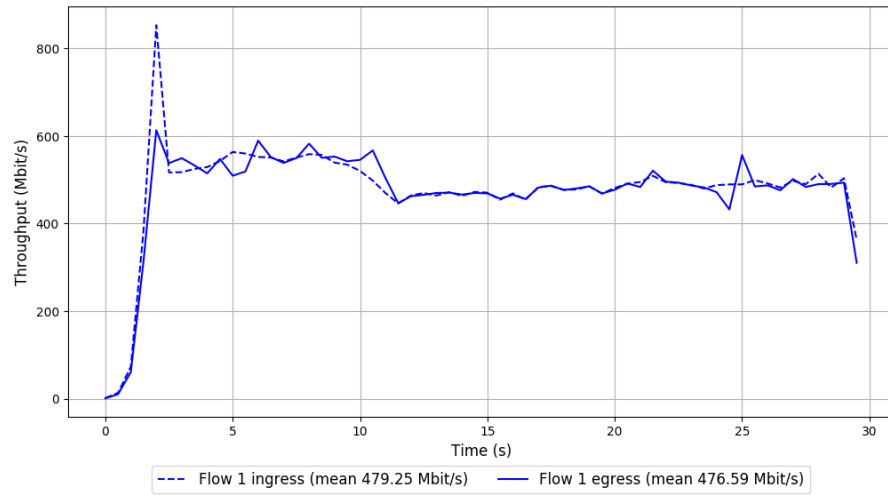
-- Flow 1:

Average throughput: 476.59 Mbit/s

95th percentile per-packet one-way delay: 210.879 ms

Loss rate: 0.98%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-28 00:39:23

End at: 2018-02-28 00:39:53

Below is generated by plot.py at 2018-02-28 05:27:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.89 Mbit/s

95th percentile per-packet one-way delay: 134.664 ms

Loss rate: 0.77%

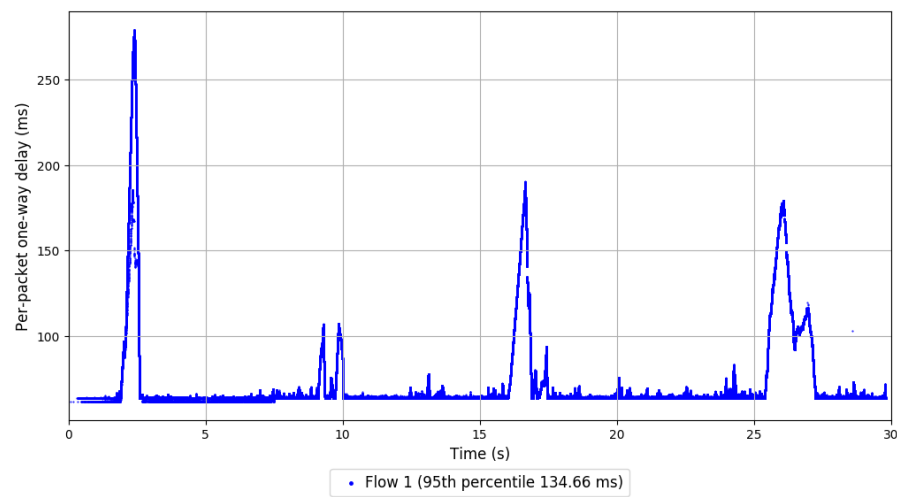
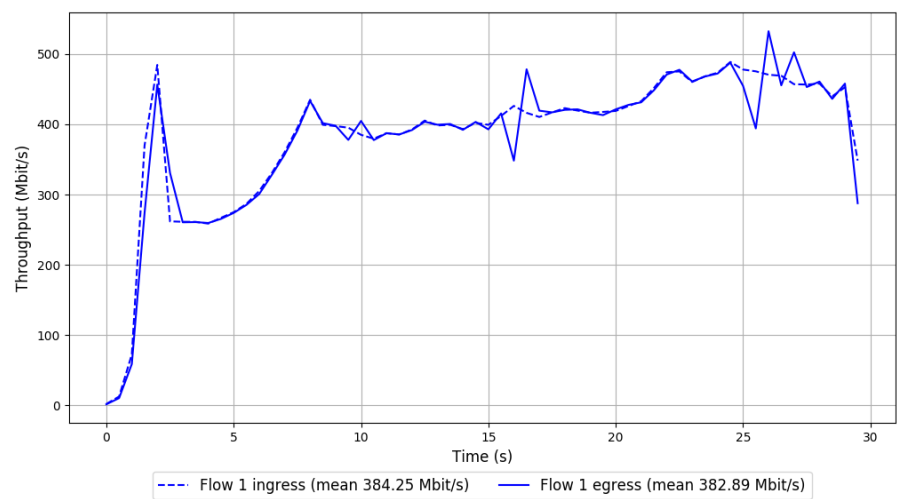
-- Flow 1:

Average throughput: 382.89 Mbit/s

95th percentile per-packet one-way delay: 134.664 ms

Loss rate: 0.77%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-28 00:54:06

End at: 2018-02-28 00:54:36

Below is generated by plot.py at 2018-02-28 05:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.00 Mbit/s

95th percentile per-packet one-way delay: 159.588 ms

Loss rate: 1.19%

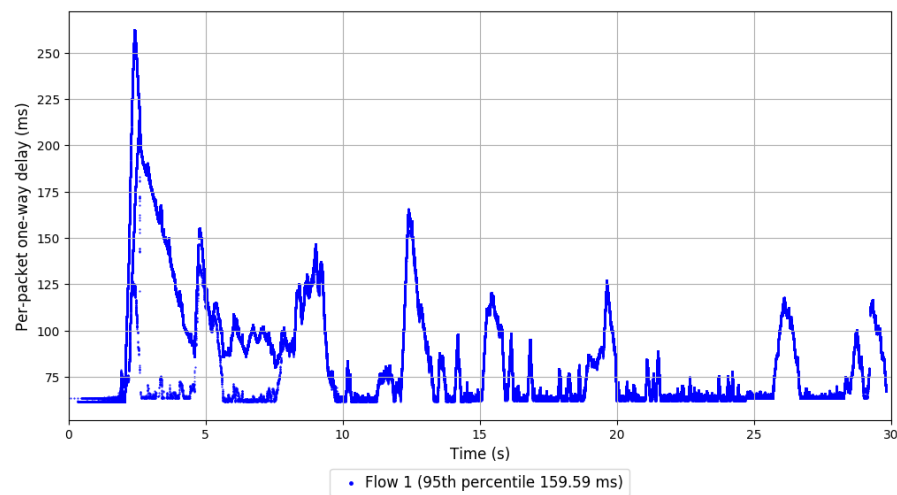
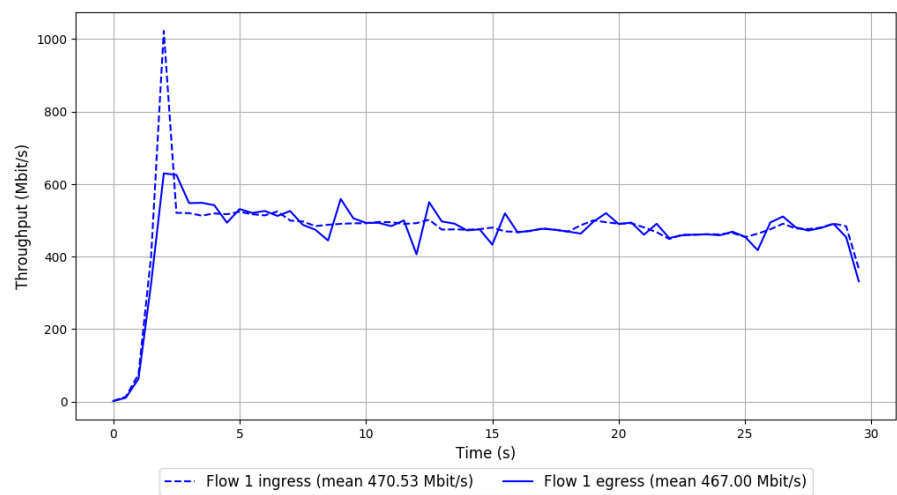
-- Flow 1:

Average throughput: 467.00 Mbit/s

95th percentile per-packet one-way delay: 159.588 ms

Loss rate: 1.19%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-28 01:09:27

End at: 2018-02-28 01:09:57

Below is generated by plot.py at 2018-02-28 05:28:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 450.05 Mbit/s

95th percentile per-packet one-way delay: 145.749 ms

Loss rate: 1.46%

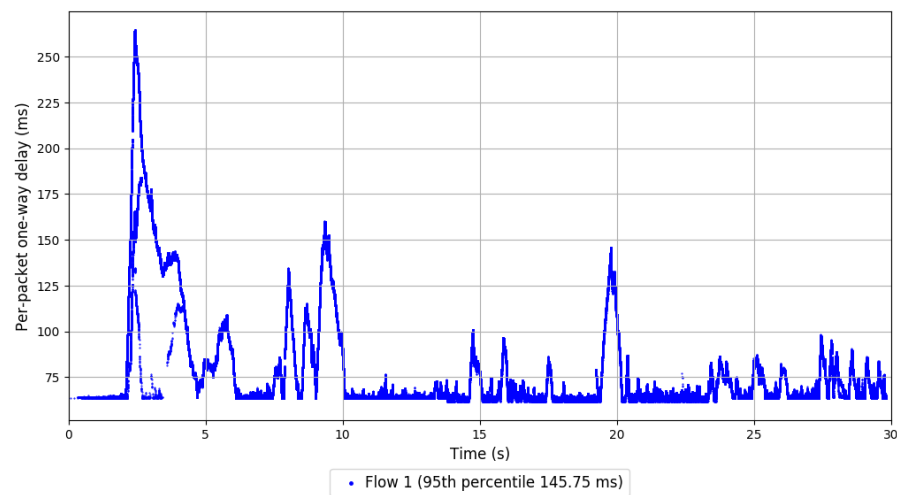
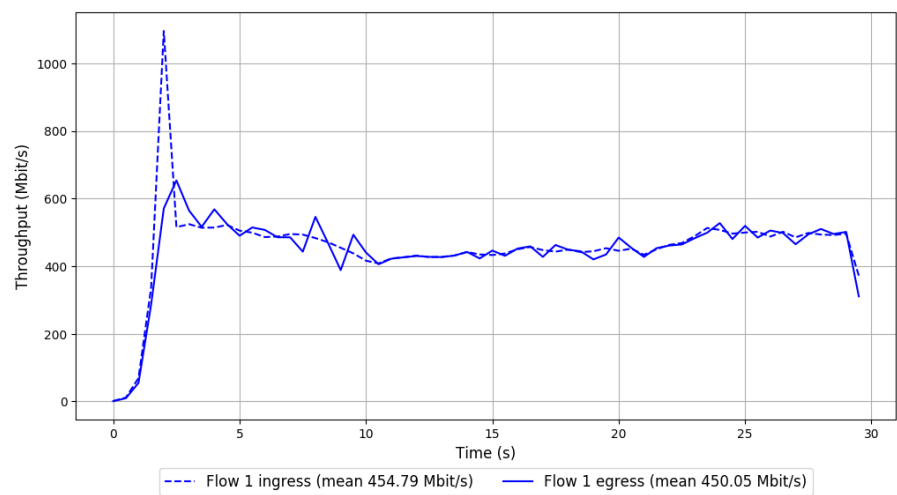
-- Flow 1:

Average throughput: 450.05 Mbit/s

95th percentile per-packet one-way delay: 145.749 ms

Loss rate: 1.46%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-28 01:24:21

End at: 2018-02-28 01:24:51

Below is generated by plot.py at 2018-02-28 05:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.58 Mbit/s

95th percentile per-packet one-way delay: 164.732 ms

Loss rate: 1.37%

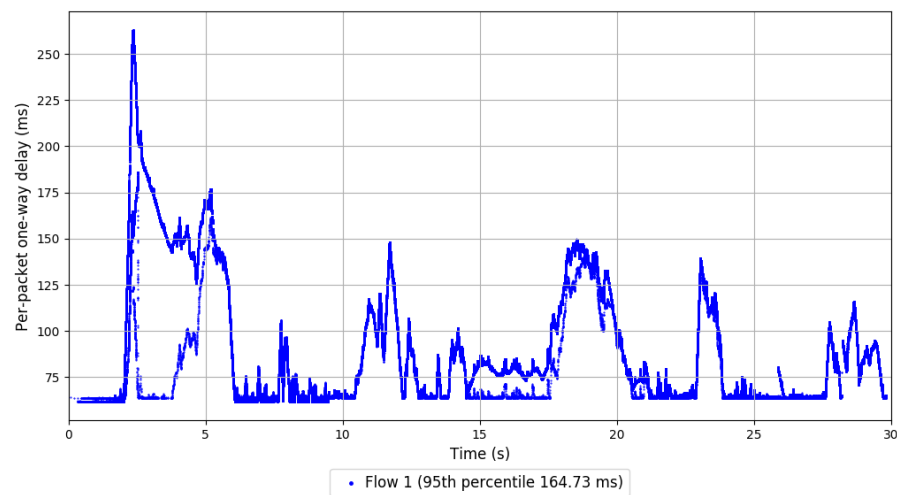
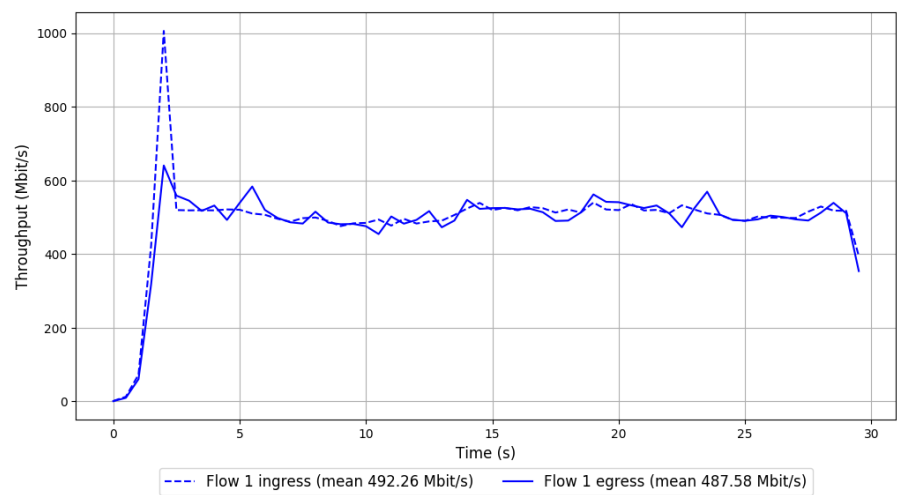
-- Flow 1:

Average throughput: 487.58 Mbit/s

95th percentile per-packet one-way delay: 164.732 ms

Loss rate: 1.37%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-28 01:39:11

End at: 2018-02-28 01:39:42

Below is generated by plot.py at 2018-02-28 05:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.13 Mbit/s

95th percentile per-packet one-way delay: 239.134 ms

Loss rate: 3.04%

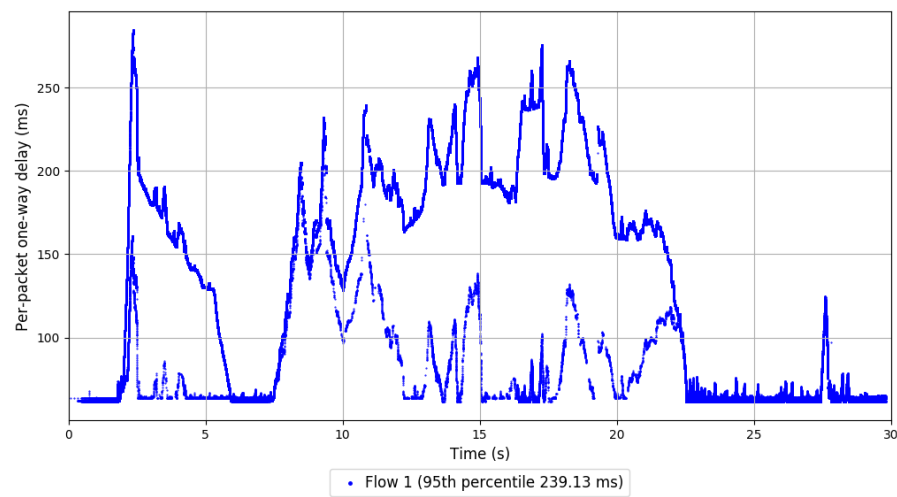
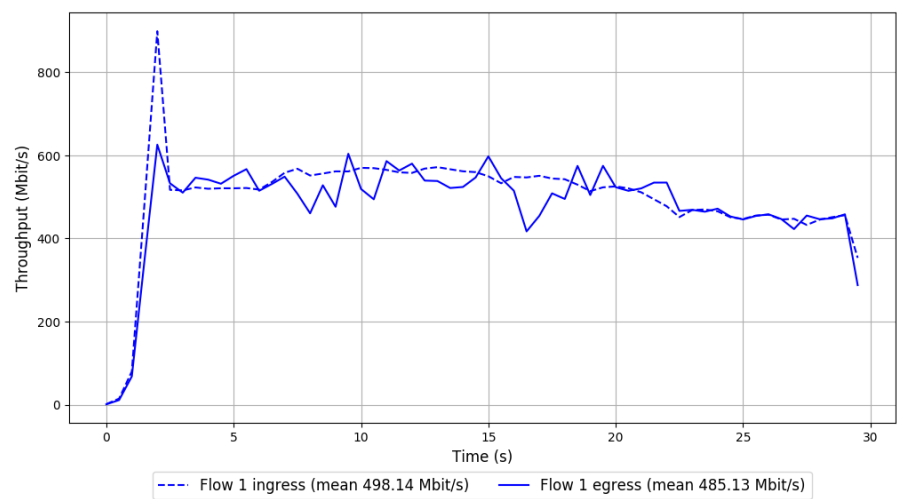
-- Flow 1:

Average throughput: 485.13 Mbit/s

95th percentile per-packet one-way delay: 239.134 ms

Loss rate: 3.04%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-28 01:53:58

End at: 2018-02-28 01:54:28

Below is generated by plot.py at 2018-02-28 05:31:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.67 Mbit/s

95th percentile per-packet one-way delay: 181.884 ms

Loss rate: 1.28%

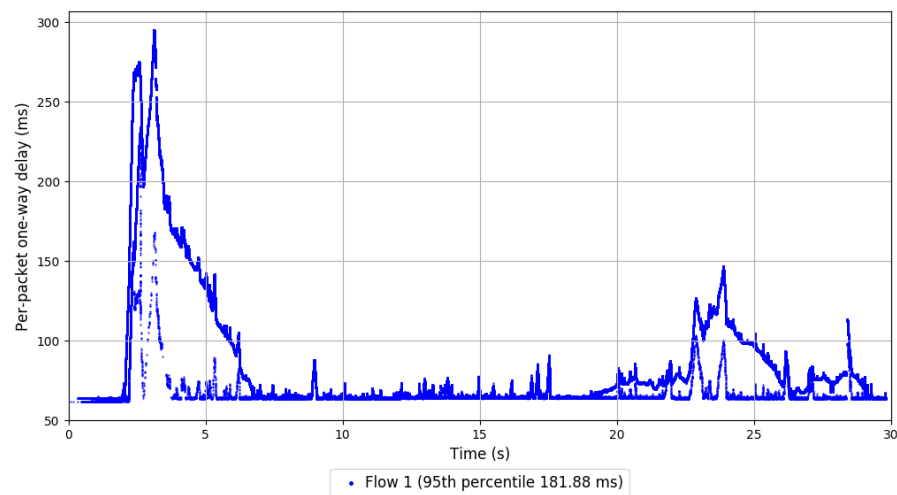
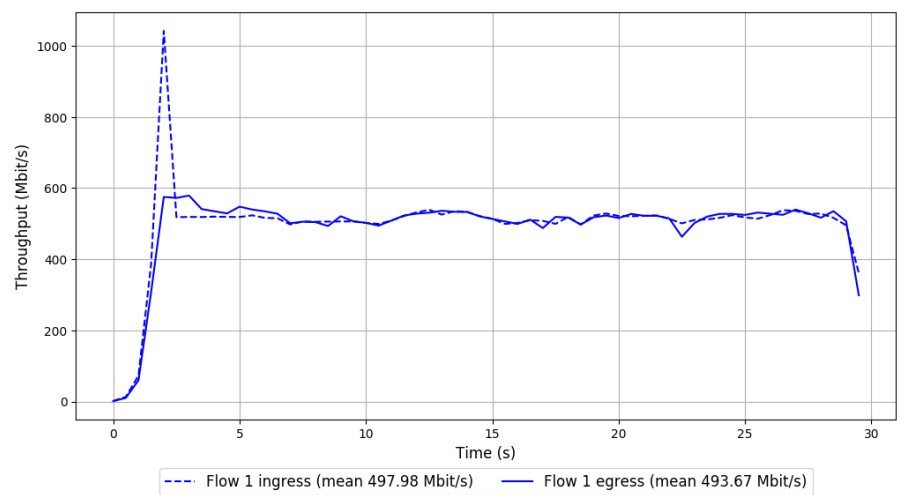
-- Flow 1:

Average throughput: 493.67 Mbit/s

95th percentile per-packet one-way delay: 181.884 ms

Loss rate: 1.28%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-28 02:08:48

End at: 2018-02-28 02:09:18

Below is generated by plot.py at 2018-02-28 05:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.57 Mbit/s

95th percentile per-packet one-way delay: 233.635 ms

Loss rate: 2.40%

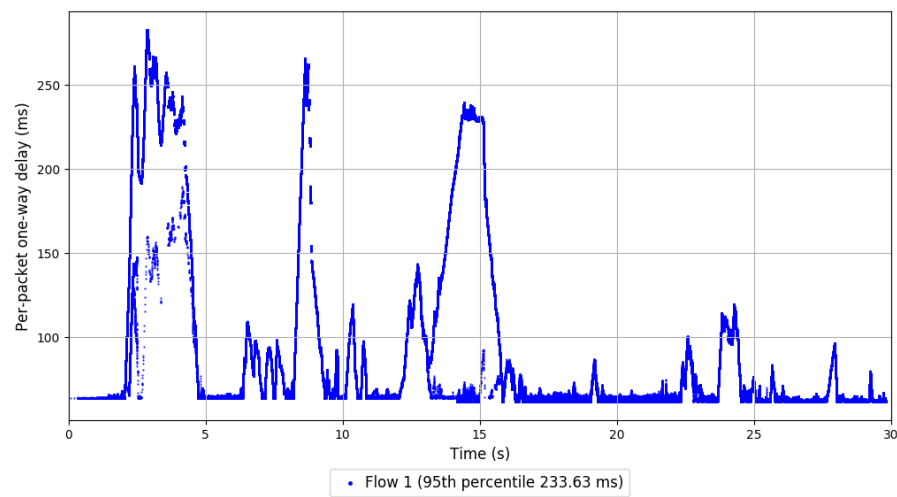
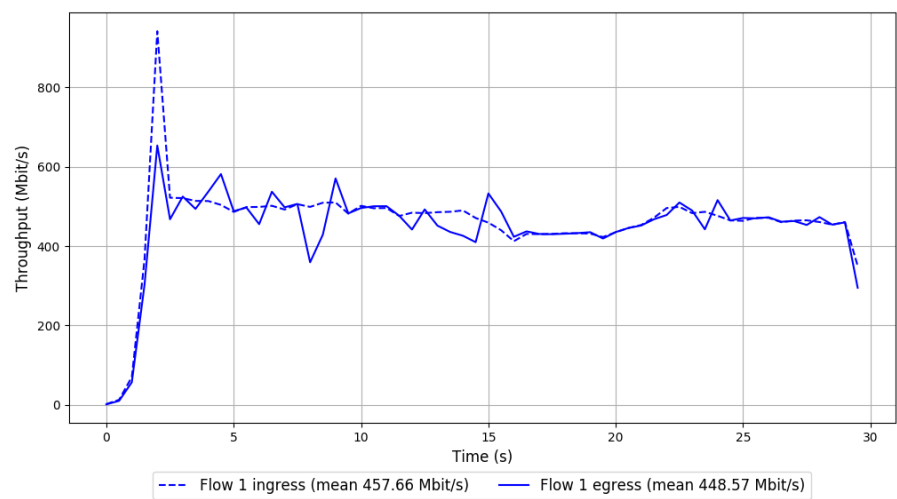
-- Flow 1:

Average throughput: 448.57 Mbit/s

95th percentile per-packet one-way delay: 233.635 ms

Loss rate: 2.40%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-28 02:23:29

End at: 2018-02-28 02:23:59

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.04 Mbit/s

95th percentile per-packet one-way delay: 118.753 ms

Loss rate: 0.90%

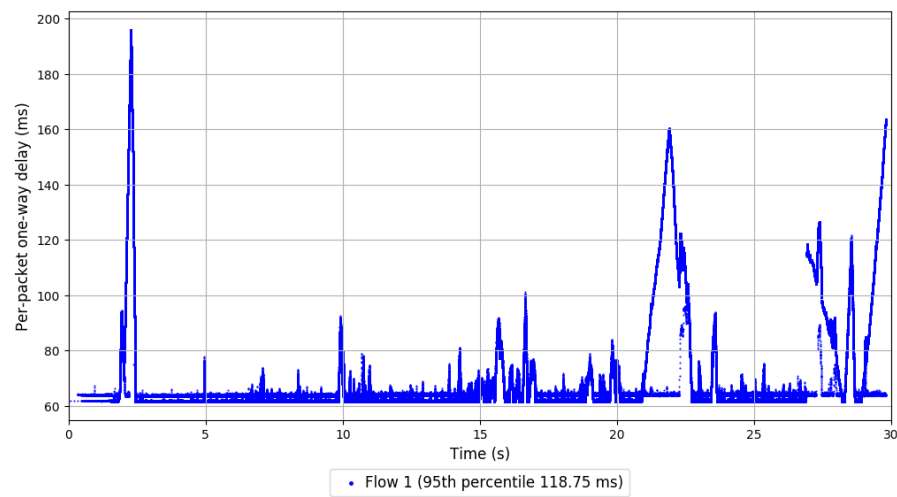
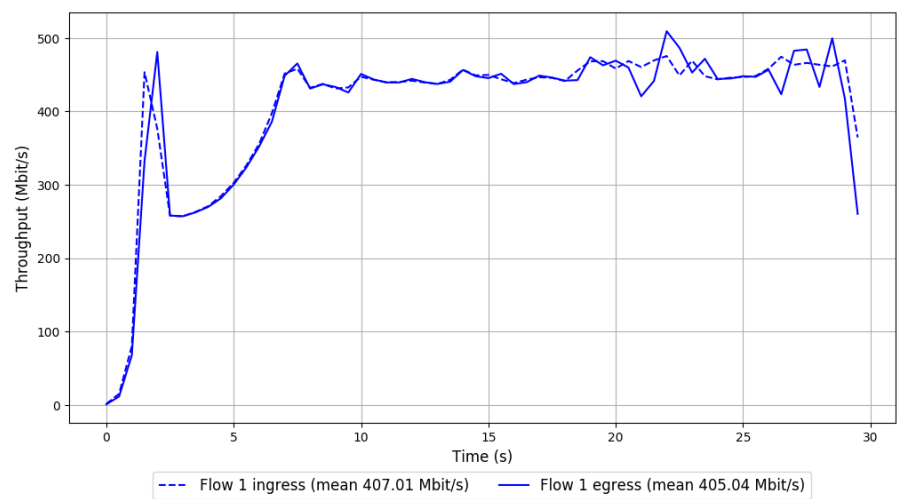
-- Flow 1:

Average throughput: 405.04 Mbit/s

95th percentile per-packet one-way delay: 118.753 ms

Loss rate: 0.90%

Run 10: Report of PCC — Data Link

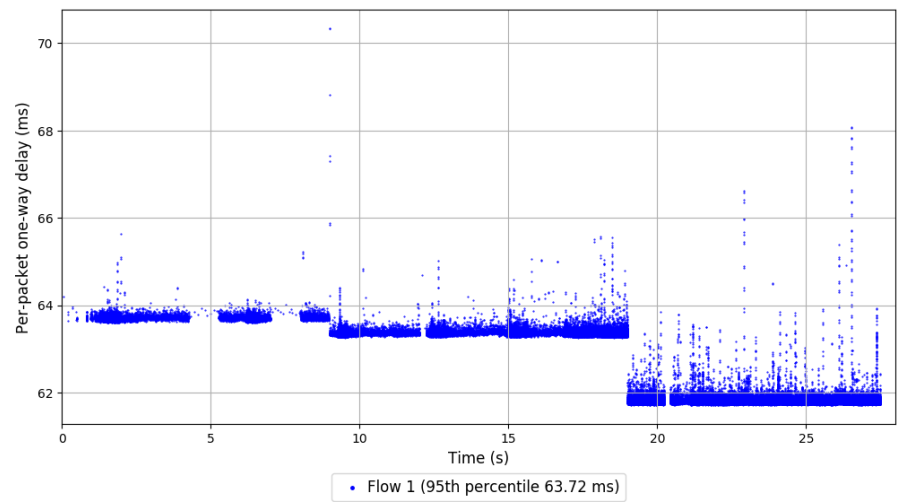
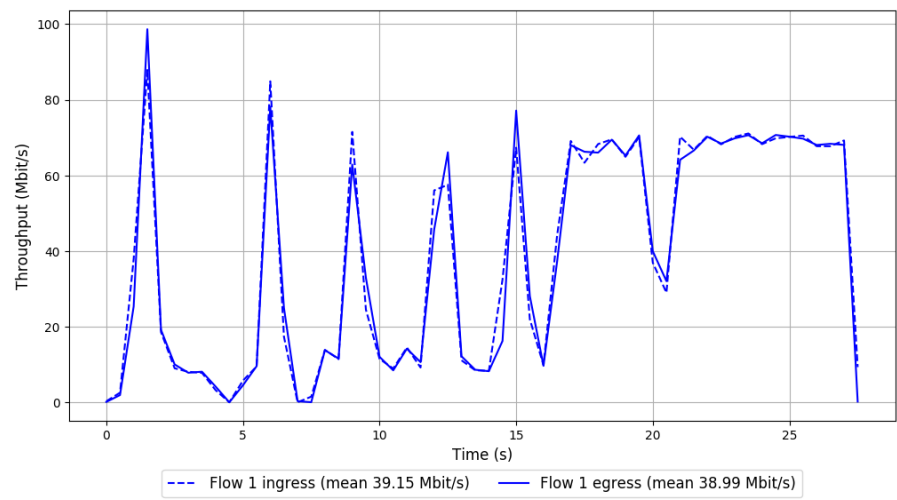


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-28 00:13:09
End at: 2018-02-28 00:13:39

# Below is generated by plot.py at 2018-02-28 05:38:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 63.718 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 63.718 ms
Loss rate: 0.85%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-28 00:28:03

End at: 2018-02-28 00:28:33

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 61.874 ms

Loss rate: 0.16%

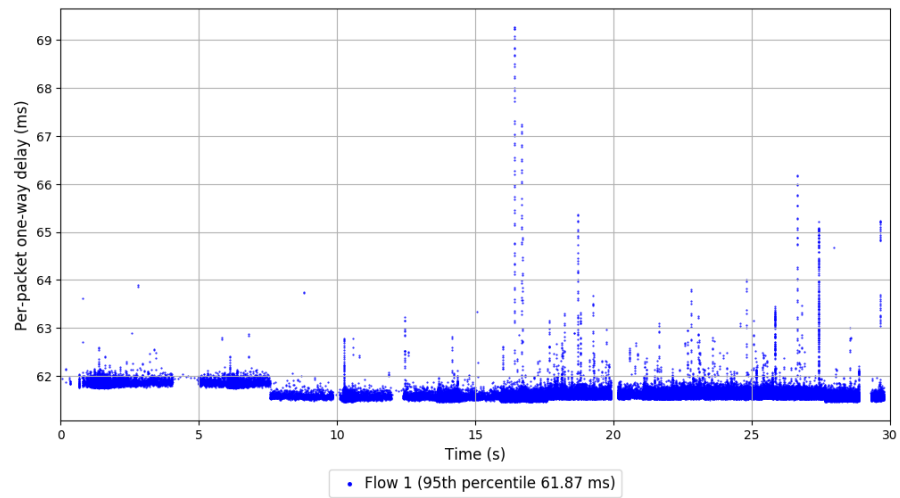
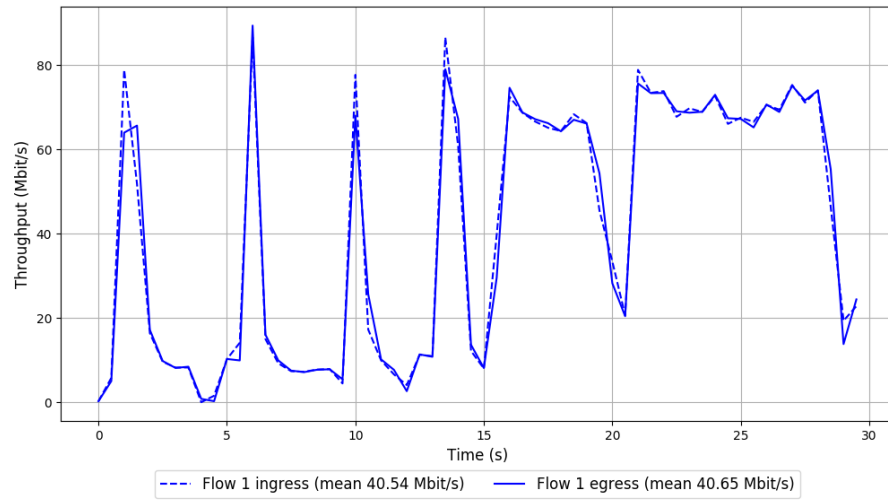
-- Flow 1:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 61.874 ms

Loss rate: 0.16%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-28 00:42:48

End at: 2018-02-28 00:43:18

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 63.797 ms

Loss rate: 0.63%

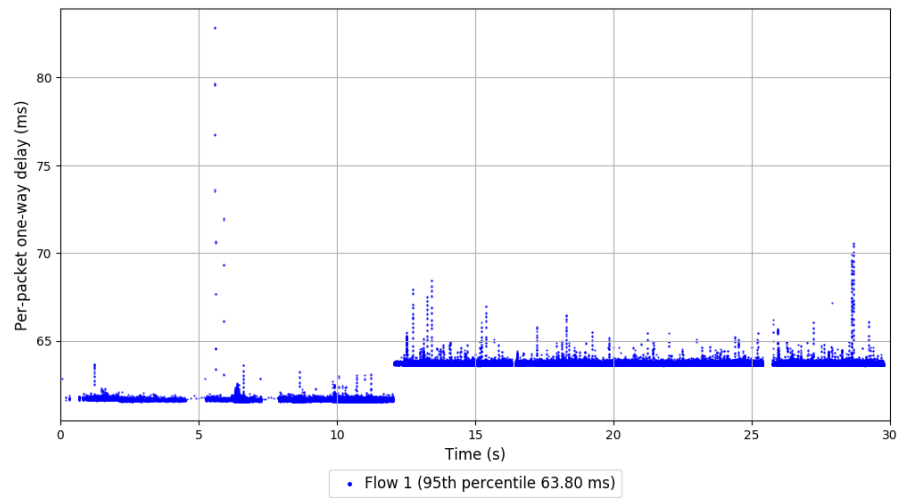
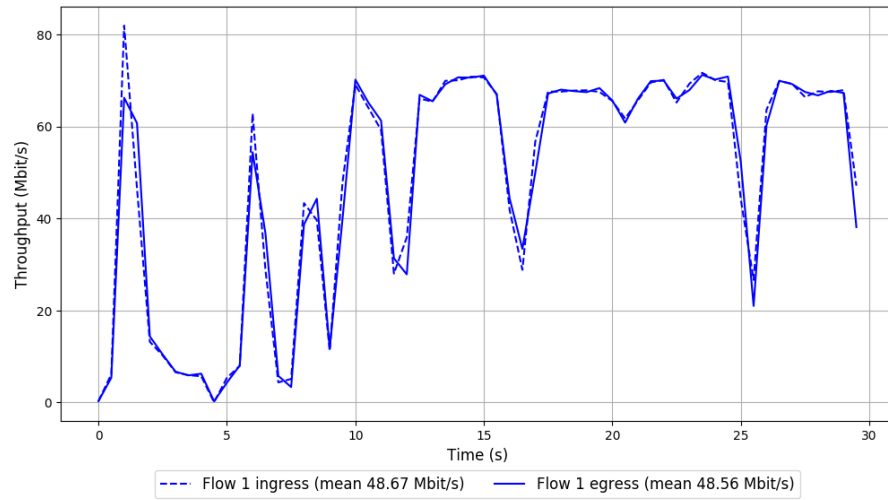
-- Flow 1:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 63.797 ms

Loss rate: 0.63%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-28 00:58:00

End at: 2018-02-28 00:58:30

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.08 Mbit/s

95th percentile per-packet one-way delay: 64.045 ms

Loss rate: 0.65%

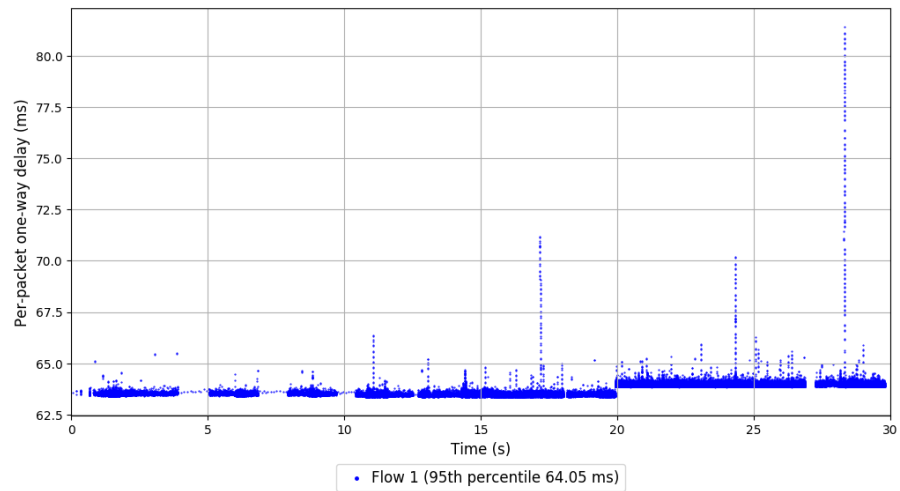
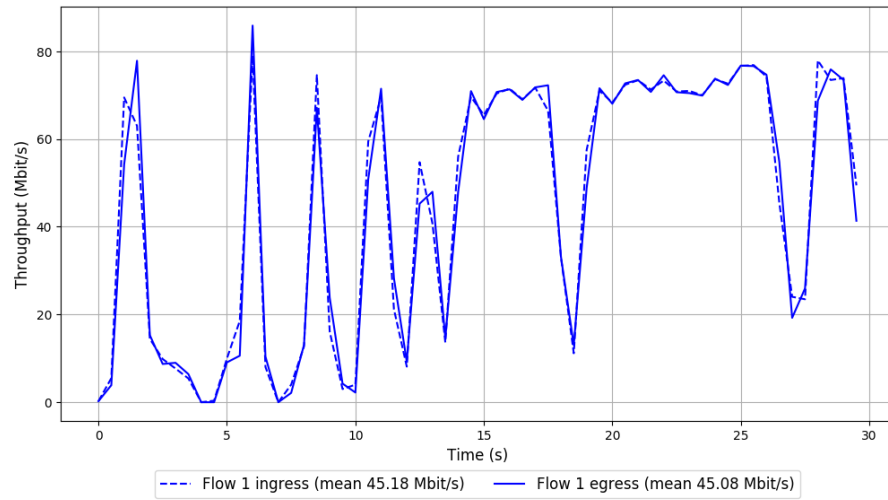
-- Flow 1:

Average throughput: 45.08 Mbit/s

95th percentile per-packet one-way delay: 64.045 ms

Loss rate: 0.65%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-28 01:13:04

End at: 2018-02-28 01:13:34

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.52 Mbit/s

95th percentile per-packet one-way delay: 63.903 ms

Loss rate: 0.63%

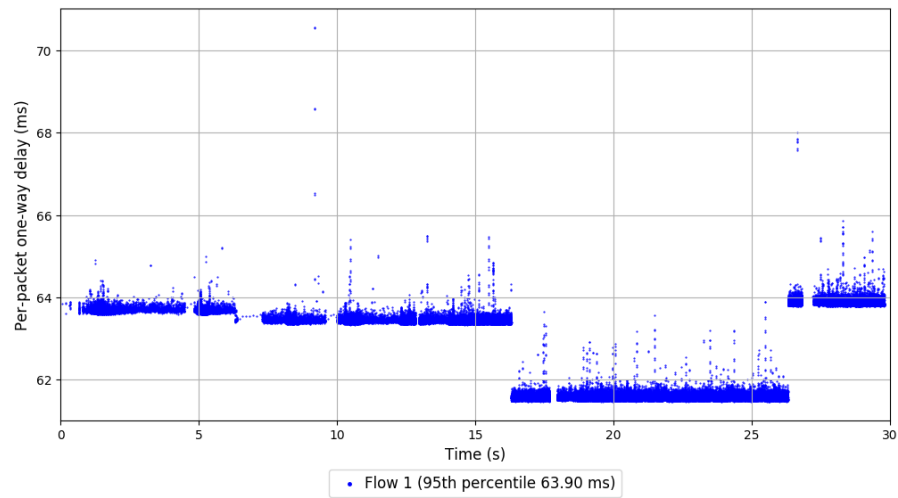
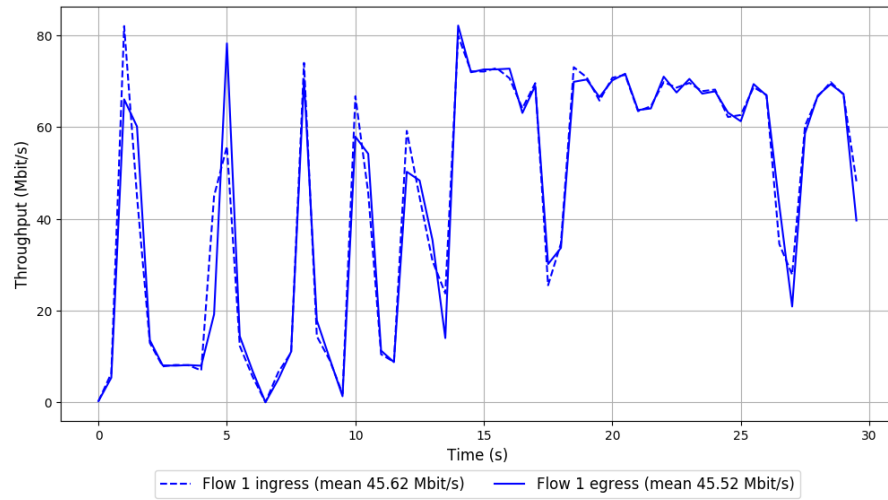
-- Flow 1:

Average throughput: 45.52 Mbit/s

95th percentile per-packet one-way delay: 63.903 ms

Loss rate: 0.63%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-28 01:27:54

End at: 2018-02-28 01:28:24

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 63.733 ms

Loss rate: 0.66%

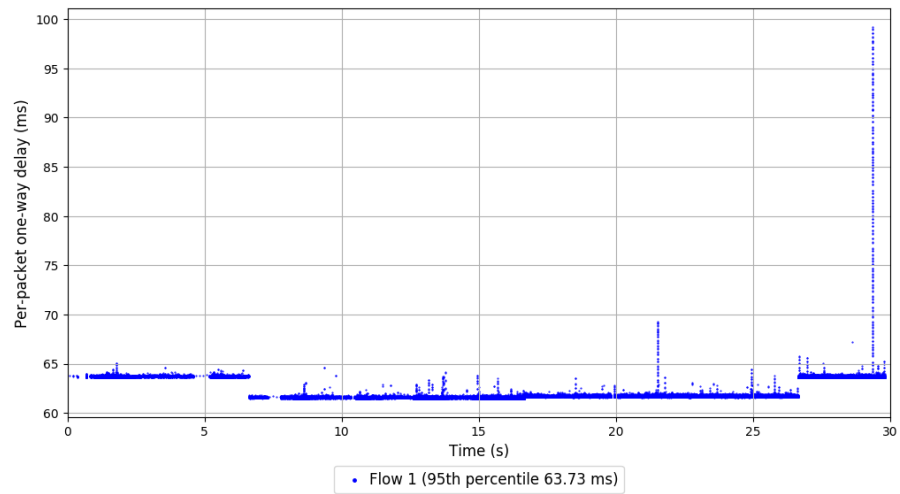
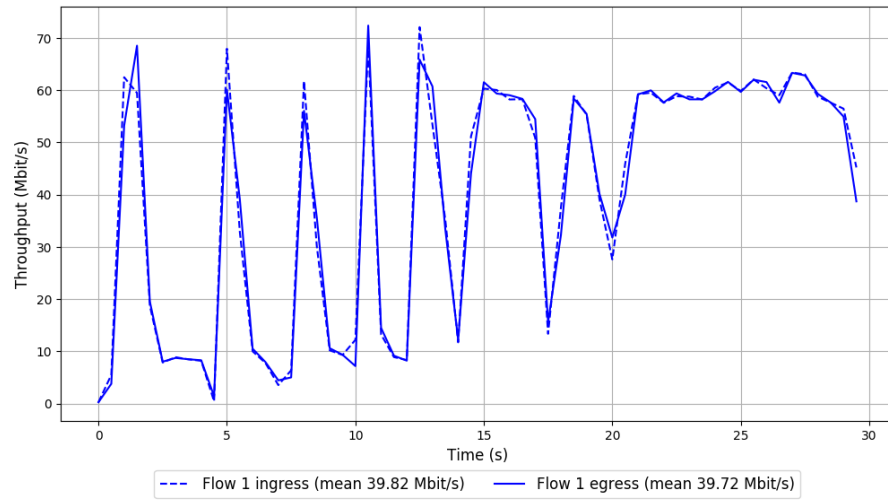
-- Flow 1:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 63.733 ms

Loss rate: 0.66%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-28 01:42:44

End at: 2018-02-28 01:43:14

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.54 Mbit/s

95th percentile per-packet one-way delay: 63.809 ms

Loss rate: 0.61%

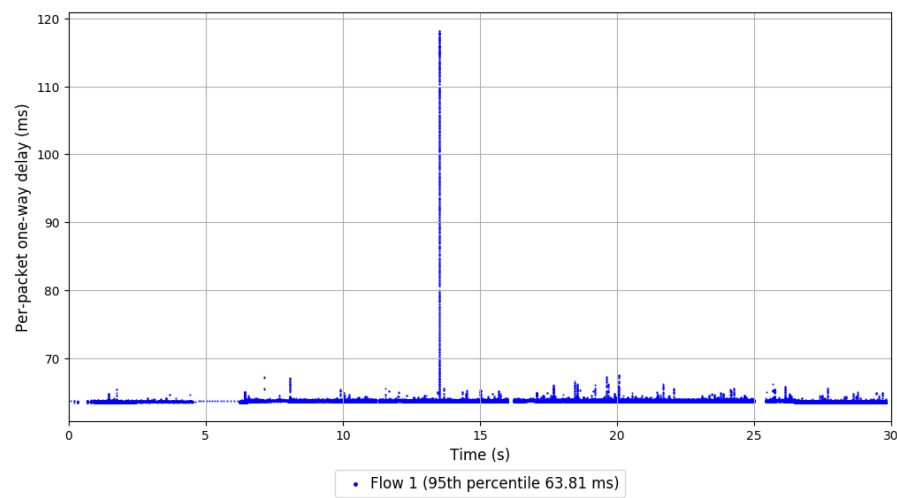
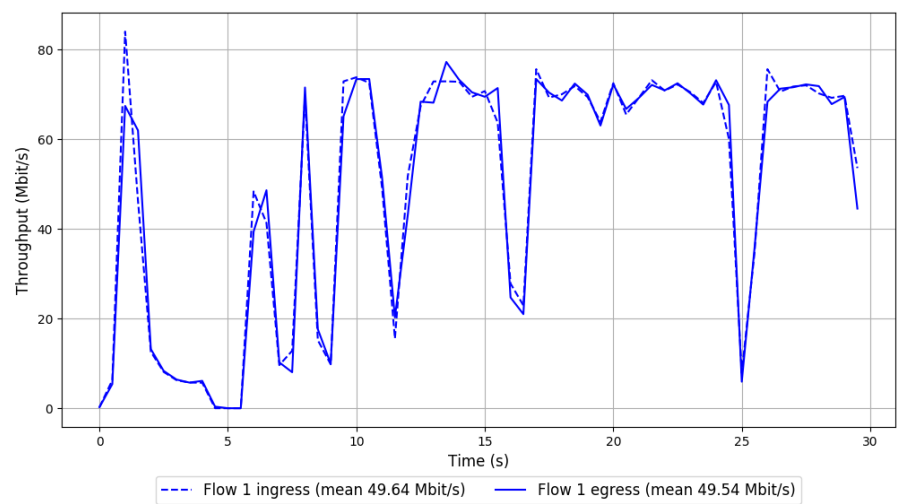
-- Flow 1:

Average throughput: 49.54 Mbit/s

95th percentile per-packet one-way delay: 63.809 ms

Loss rate: 0.61%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-28 01:57:27

End at: 2018-02-28 01:57:57

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 63.771 ms

Loss rate: 0.59%

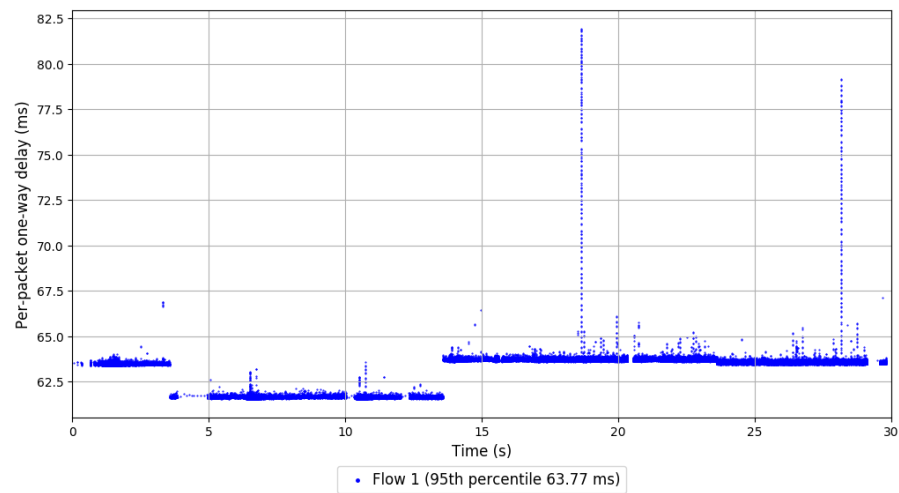
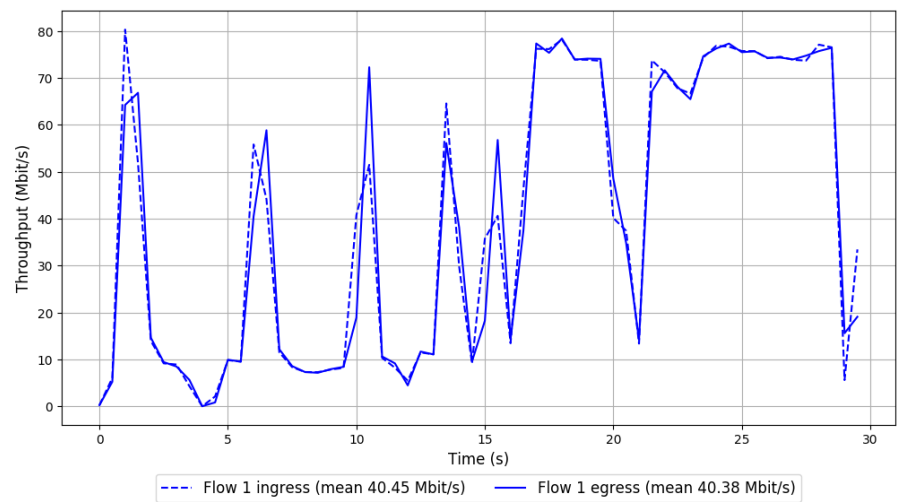
-- Flow 1:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 63.771 ms

Loss rate: 0.59%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-28 02:12:20

End at: 2018-02-28 02:12:50

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.31 Mbit/s

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

Loss rate: 0.58%

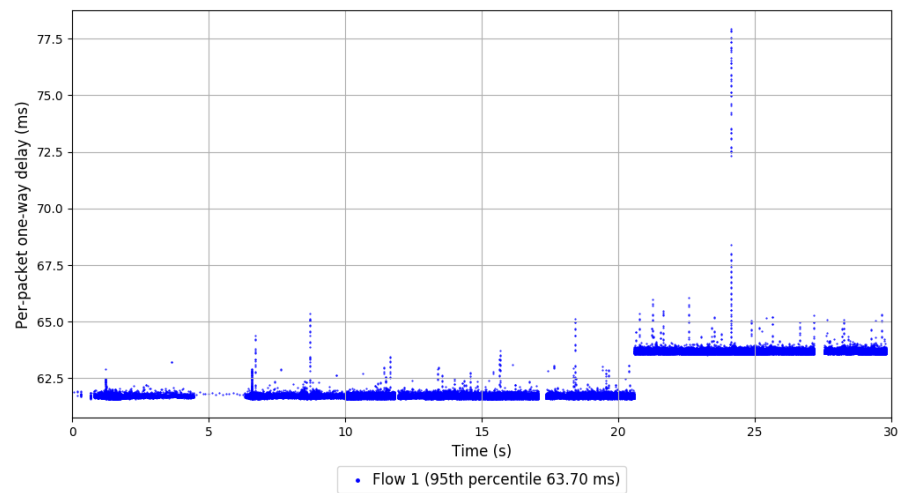
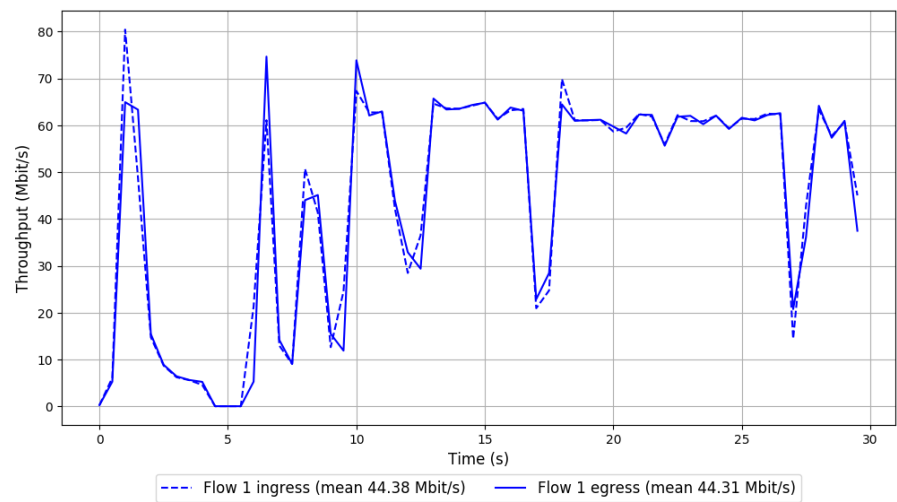
-- Flow 1:

Average throughput: 44.31 Mbit/s

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

Loss rate: 0.58%

Run 9: Report of QUIC Cubic — Data Link

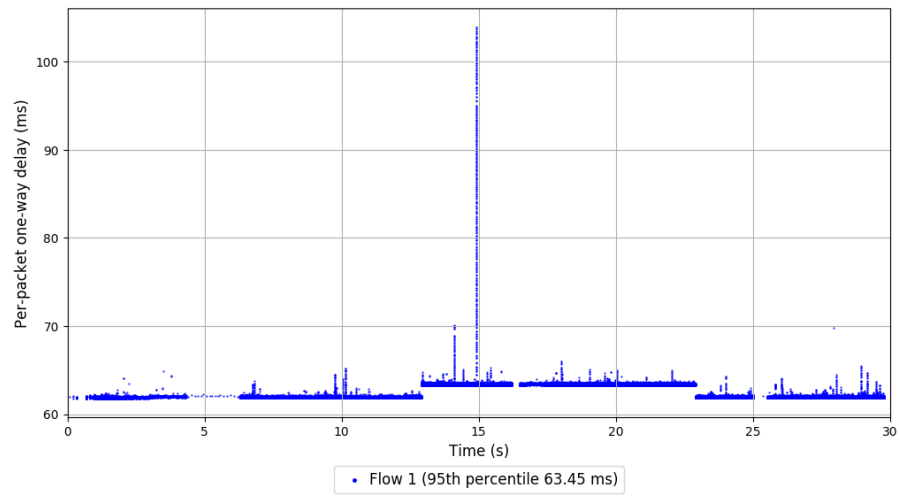
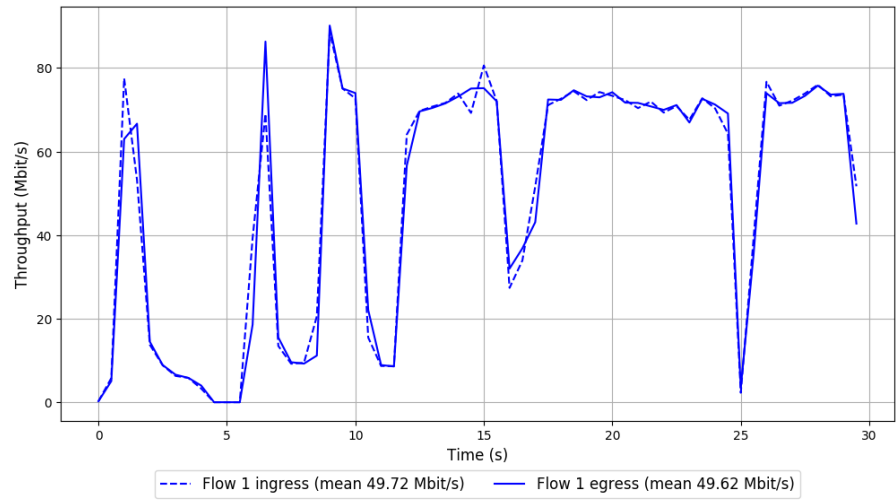


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-02-28 02:26:57
End at: 2018-02-28 02:27:27

# Below is generated by plot.py at 2018-02-28 05:38:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.62 Mbit/s
95th percentile per-packet one-way delay: 63.453 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 49.62 Mbit/s
95th percentile per-packet one-way delay: 63.453 ms
Loss rate: 0.60%
```

Run 10: Report of QUIC Cubic — Data Link

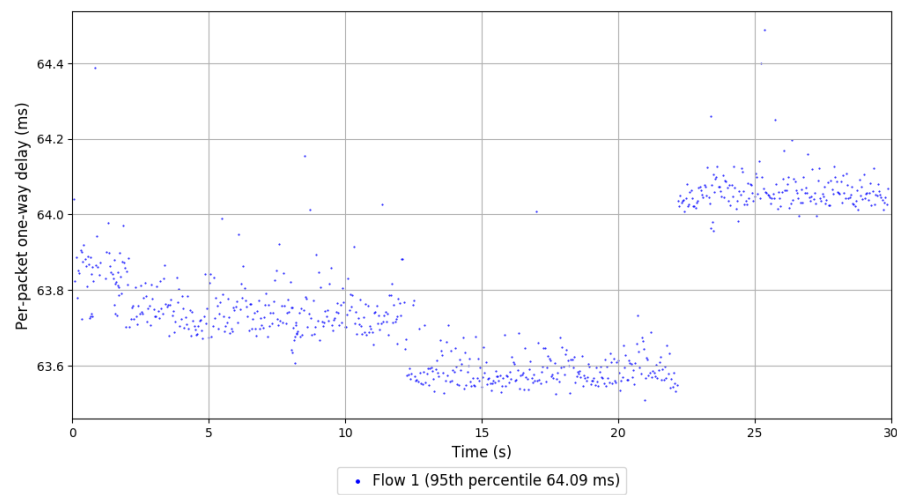
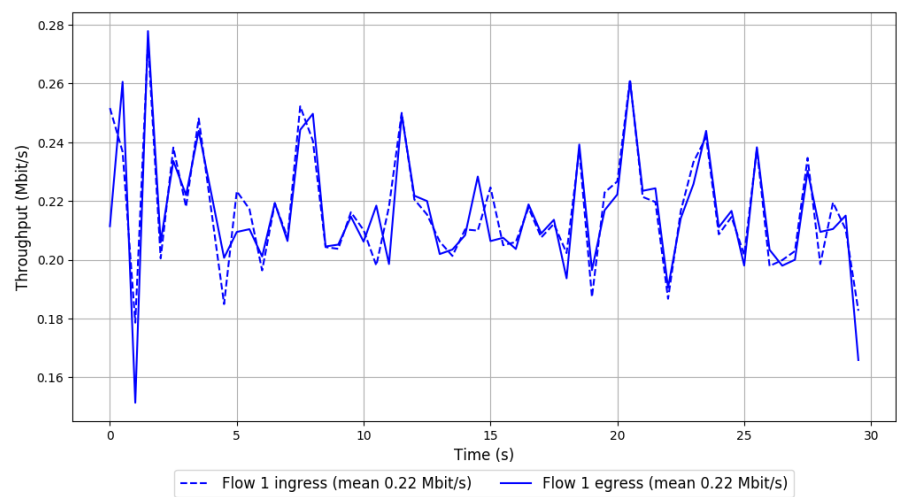


```
Run 1: Statistics of SCReAM

Start at: 2018-02-28 00:08:58
End at: 2018-02-28 00:09:28

# Below is generated by plot.py at 2018-02-28 05:38:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.088 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.088 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-02-28 00:23:51

End at: 2018-02-28 00:24:21

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.863 ms

Loss rate: 0.38%

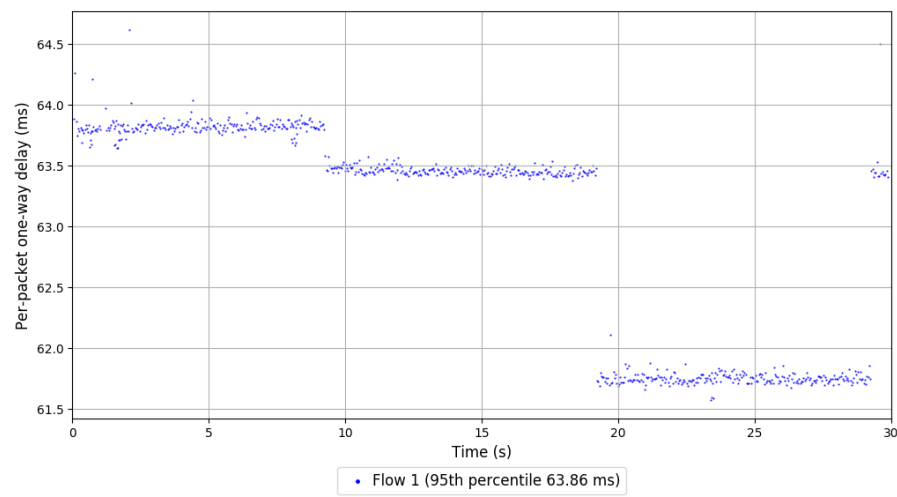
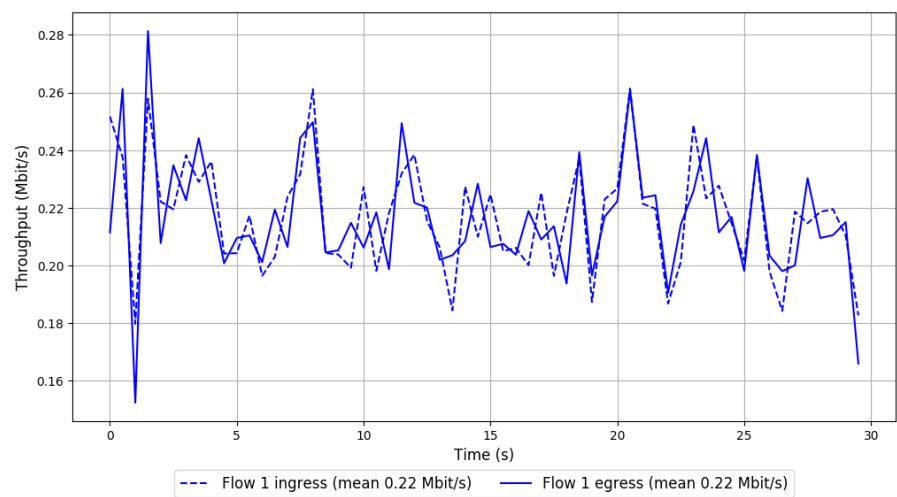
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.863 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-28 00:38:45

End at: 2018-02-28 00:39:15

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.735 ms

Loss rate: 0.38%

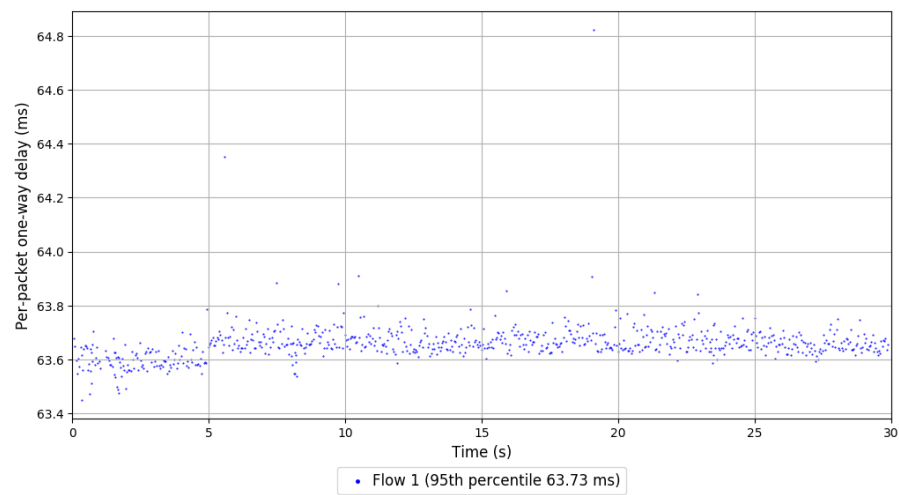
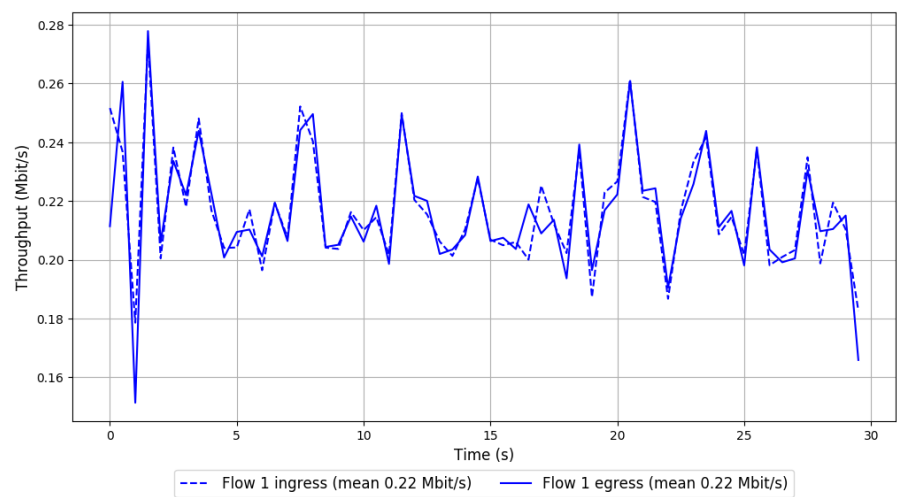
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.735 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-28 00:53:28

End at: 2018-02-28 00:53:58

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.51%

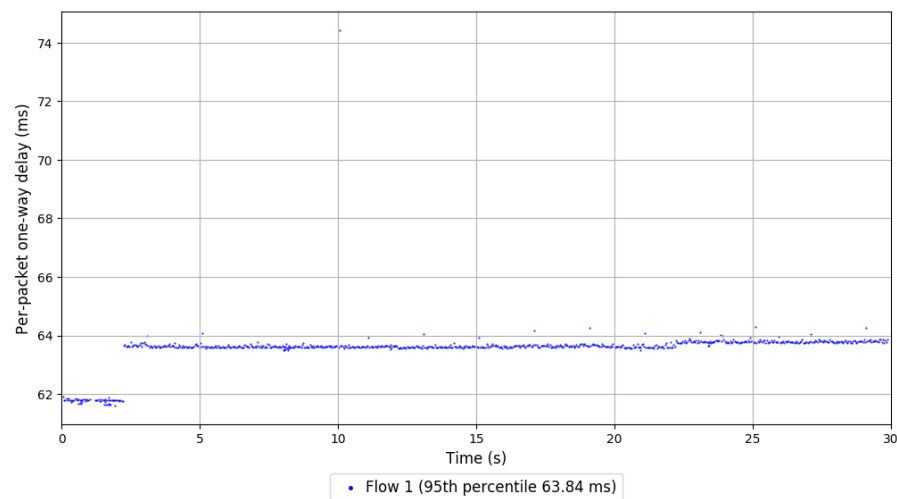
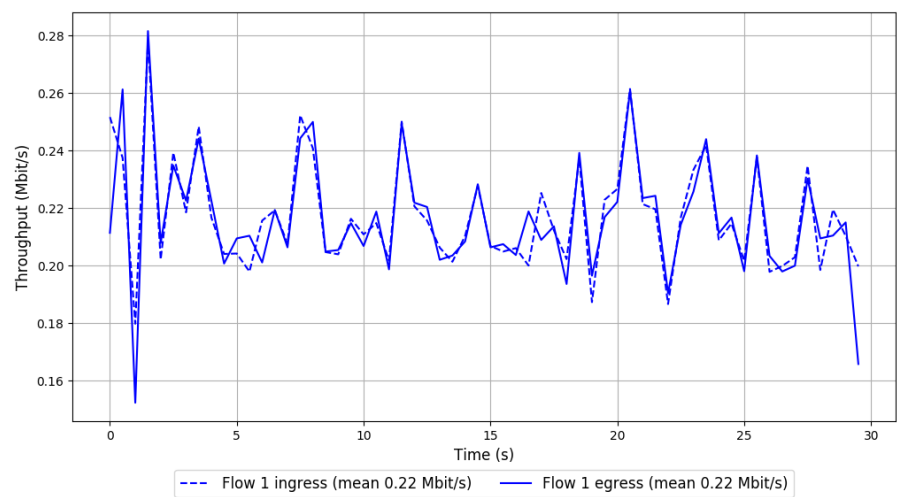
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.51%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-28 01:08:49

End at: 2018-02-28 01:09:19

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.902 ms

Loss rate: 0.38%

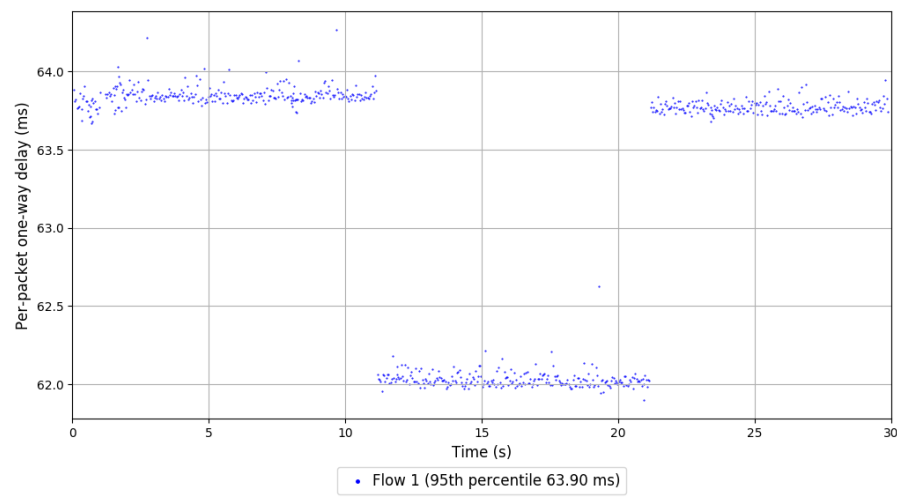
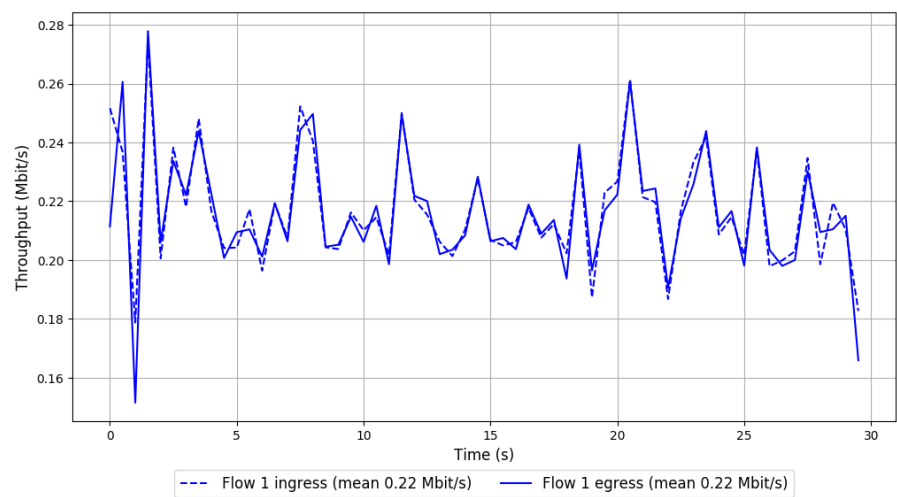
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.902 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-28 01:23:43

End at: 2018-02-28 01:24:13

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.968 ms

Loss rate: 0.38%

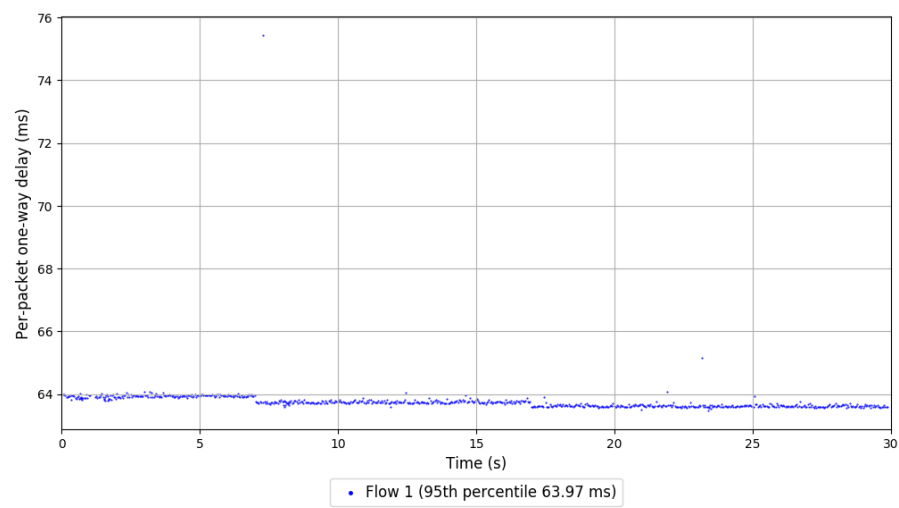
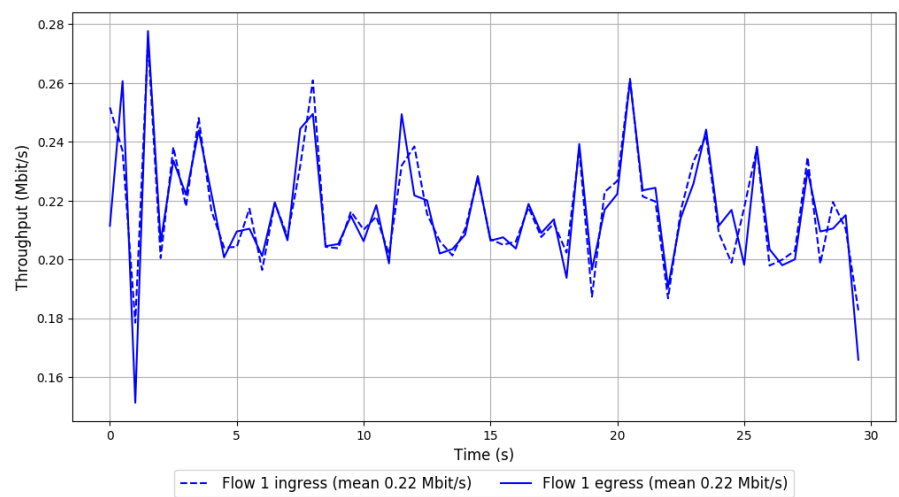
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.968 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-02-28 01:38:34

End at: 2018-02-28 01:39:04

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

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

Loss rate: 0.22%

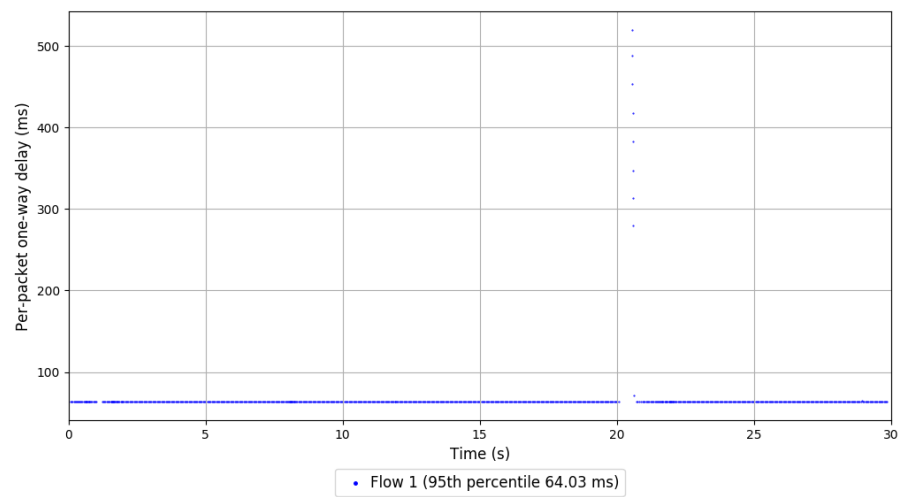
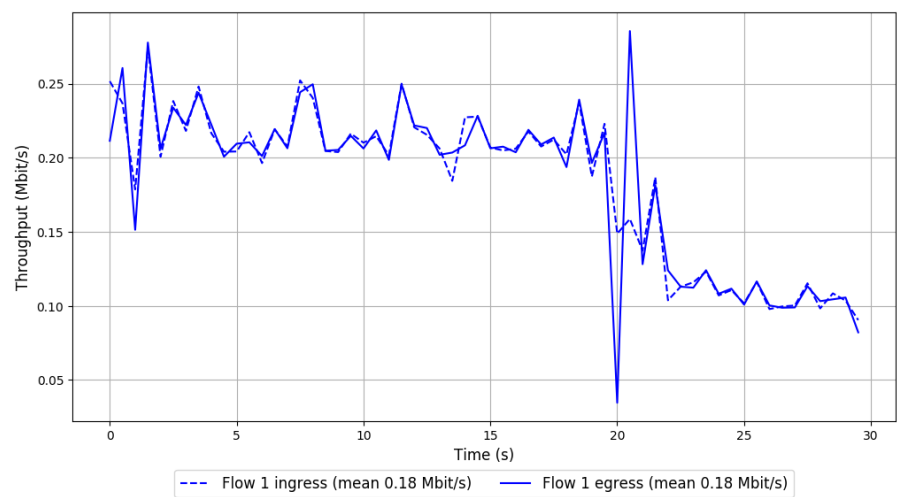
-- Flow 1:

Average throughput: 0.18 Mbit/s

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

Loss rate: 0.22%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-28 01:53:21

End at: 2018-02-28 01:53:51

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.164 ms

Loss rate: 0.38%

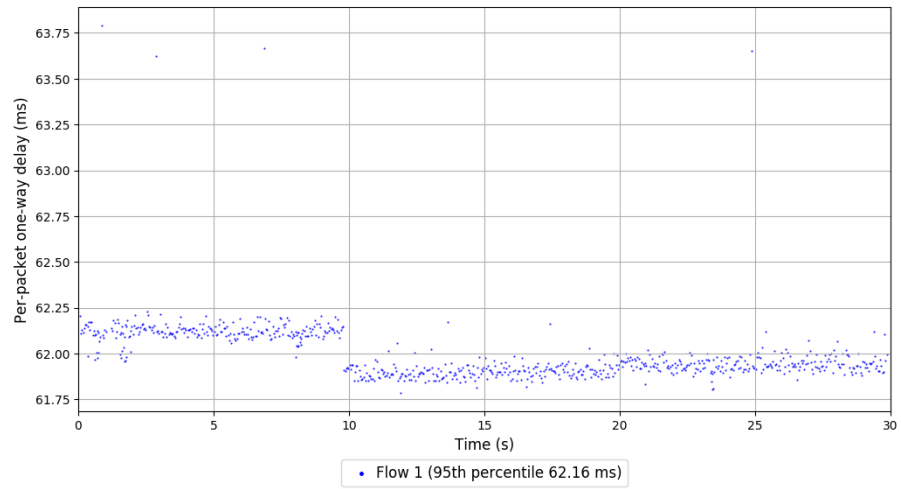
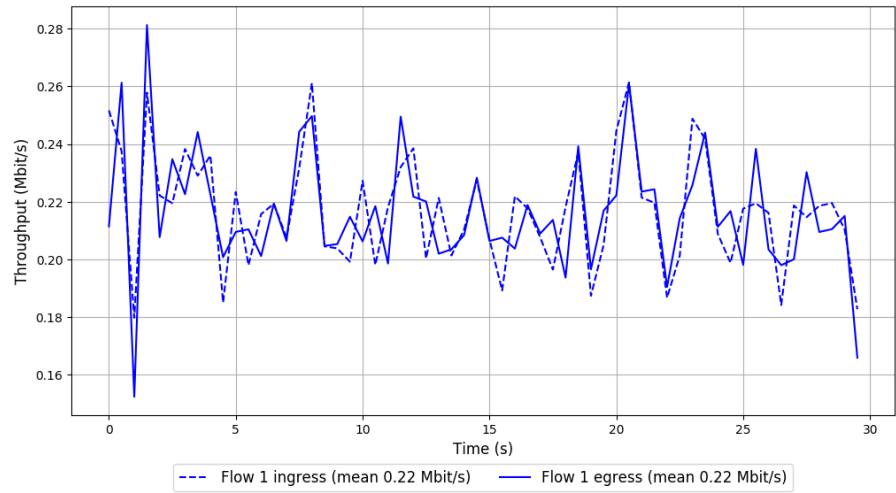
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.164 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-28 02:08:10

End at: 2018-02-28 02:08:40

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.38%

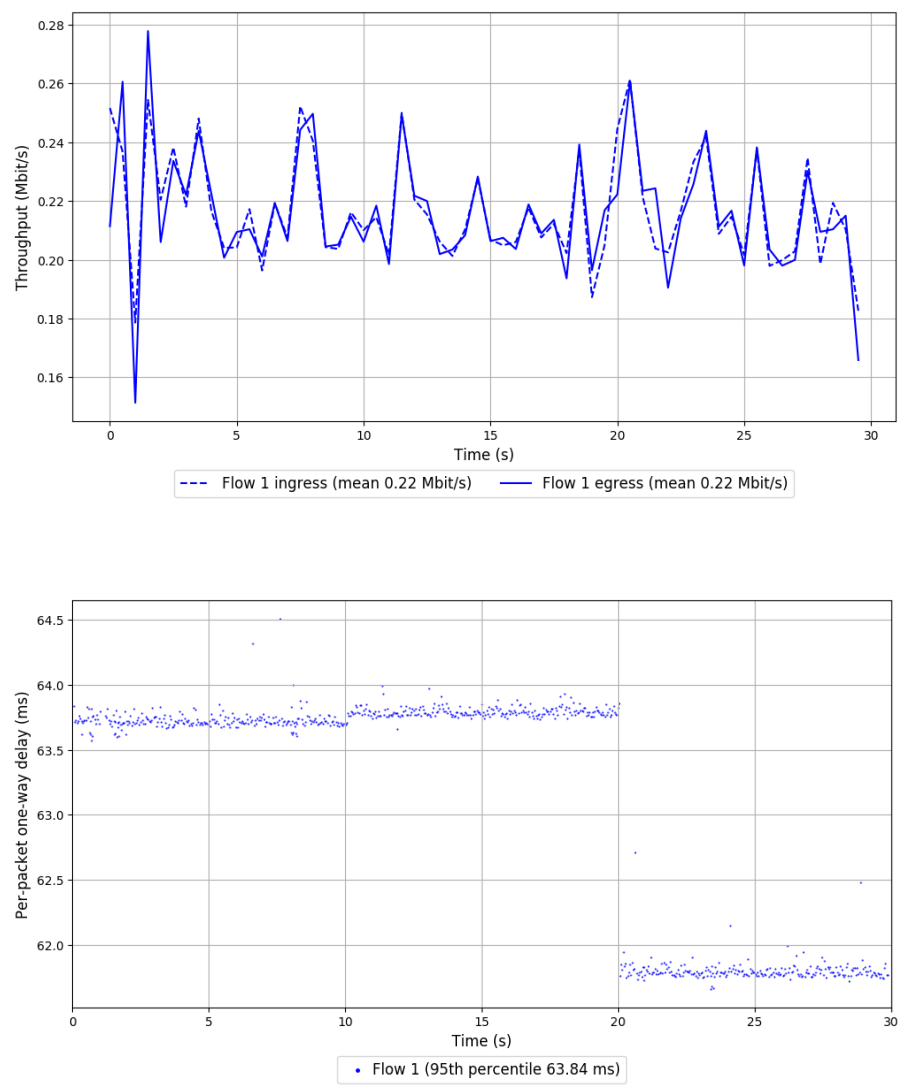
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-28 02:22:51

End at: 2018-02-28 02:23:21

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.124 ms

Loss rate: 0.38%

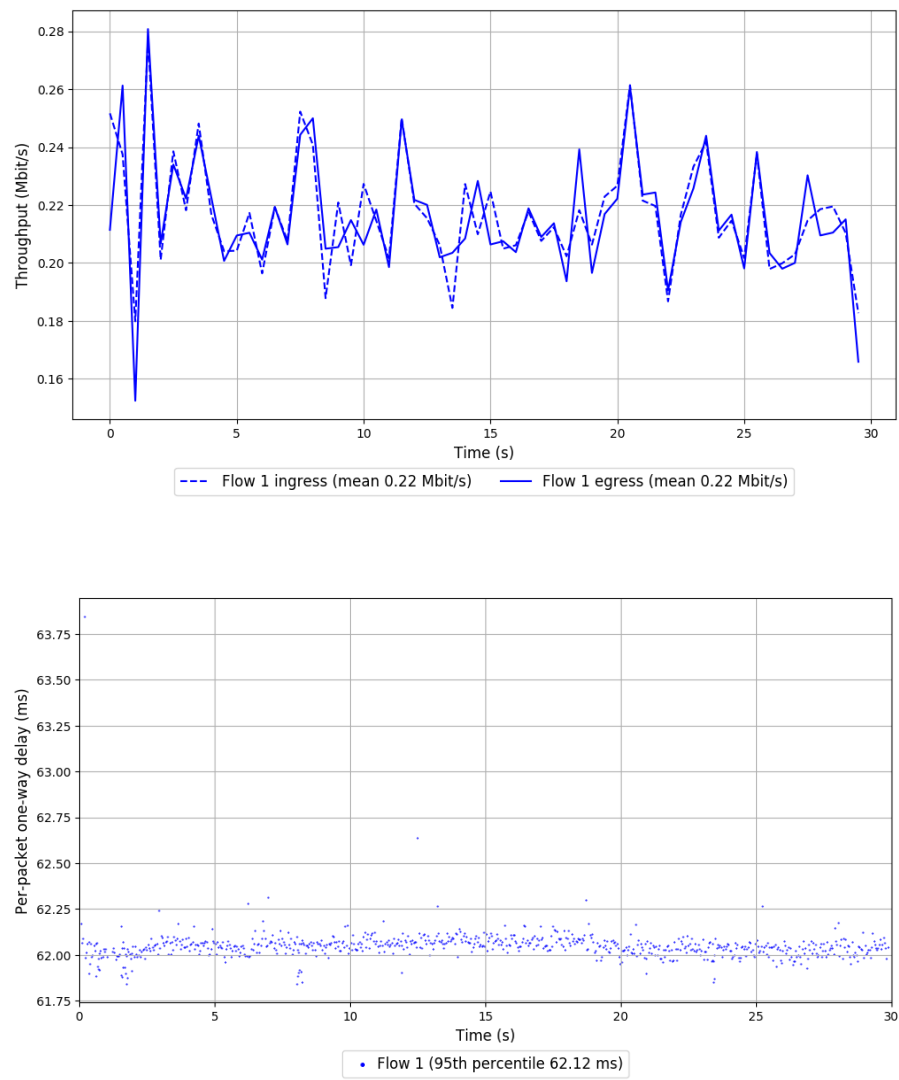
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.124 ms

Loss rate: 0.38%

Run 10: Report of SReAM — Data Link

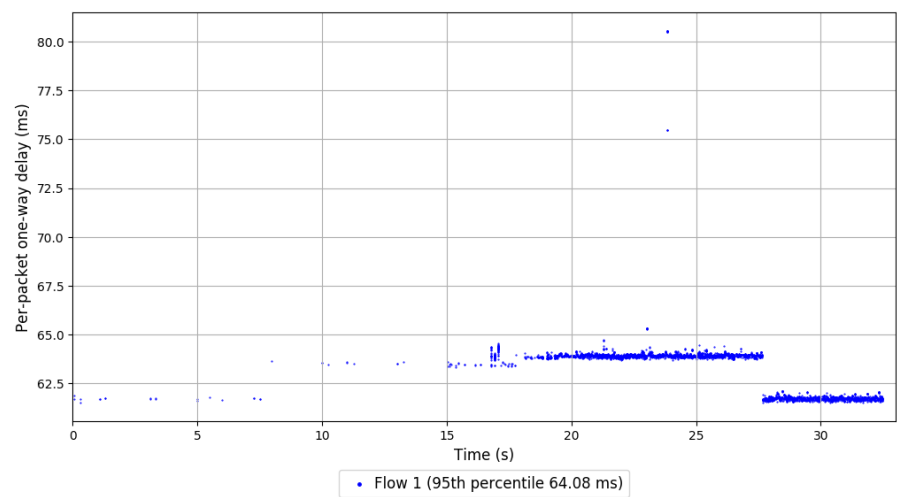
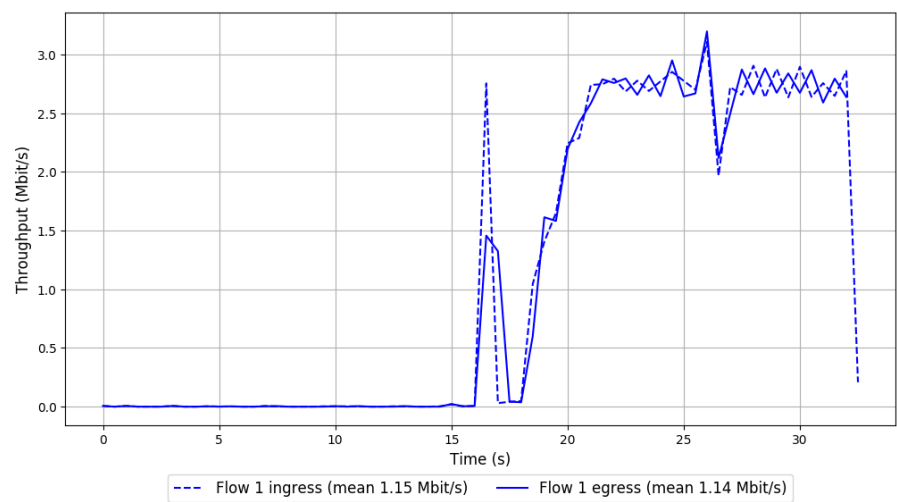


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-28 00:04:35
End at: 2018-02-28 00:05:05

# Below is generated by plot.py at 2018-02-28 05:38:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 64.075 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 64.075 ms
Loss rate: 0.88%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-28 00:19:21

End at: 2018-02-28 00:19:51

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

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

Loss rate: 0.44%

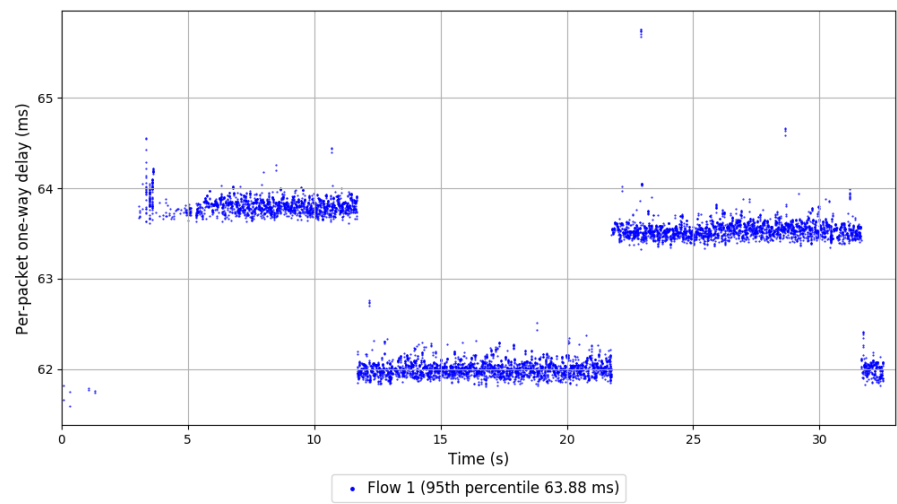
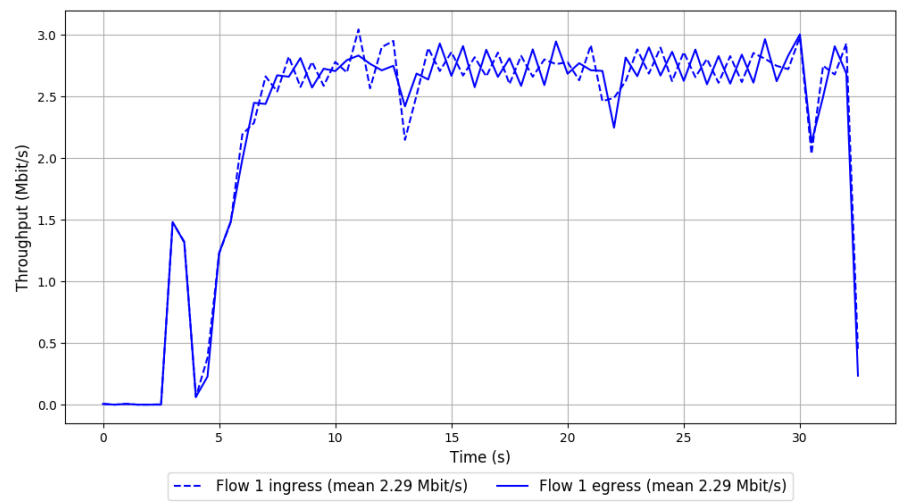
-- Flow 1:

Average throughput: 2.29 Mbit/s

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

Loss rate: 0.44%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-28 00:34:19

End at: 2018-02-28 00:34:49

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 63.952 ms

Loss rate: 0.45%

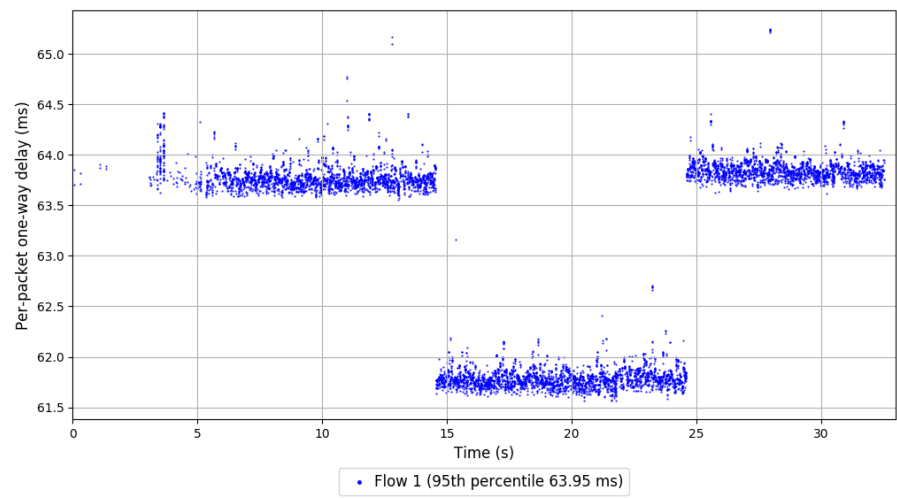
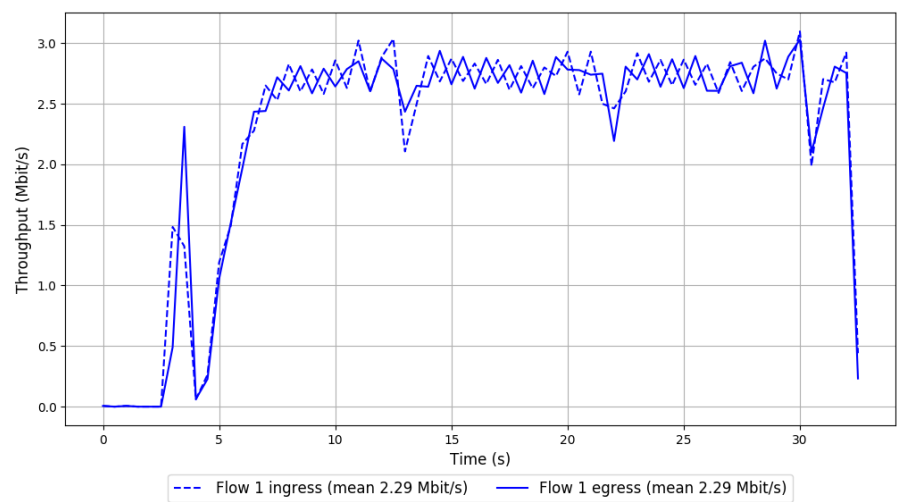
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 63.952 ms

Loss rate: 0.45%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-28 00:48:51

End at: 2018-02-28 00:49:21

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 64.022 ms

Loss rate: 0.47%

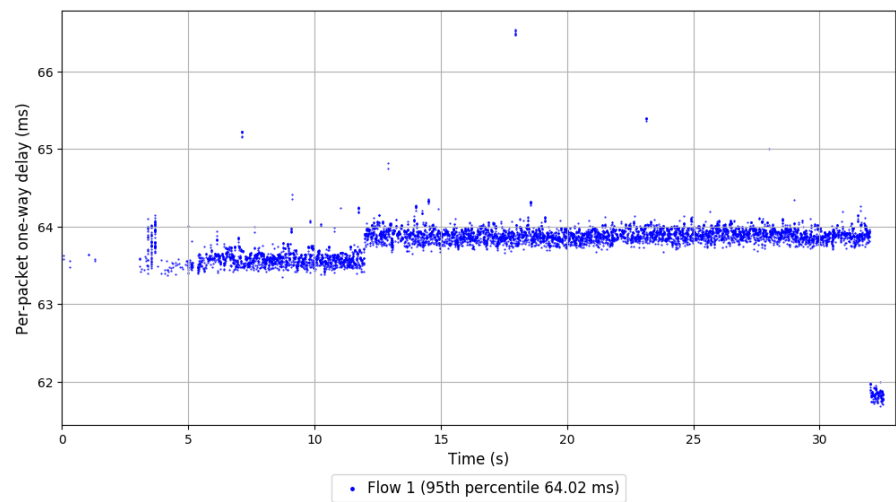
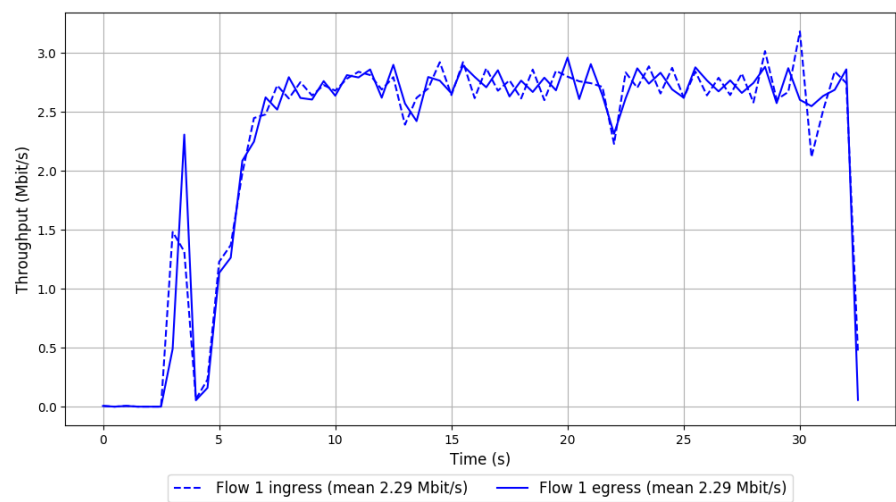
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 64.022 ms

Loss rate: 0.47%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-28 01:04:20

End at: 2018-02-28 01:04:50

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 64.169 ms

Loss rate: 0.47%

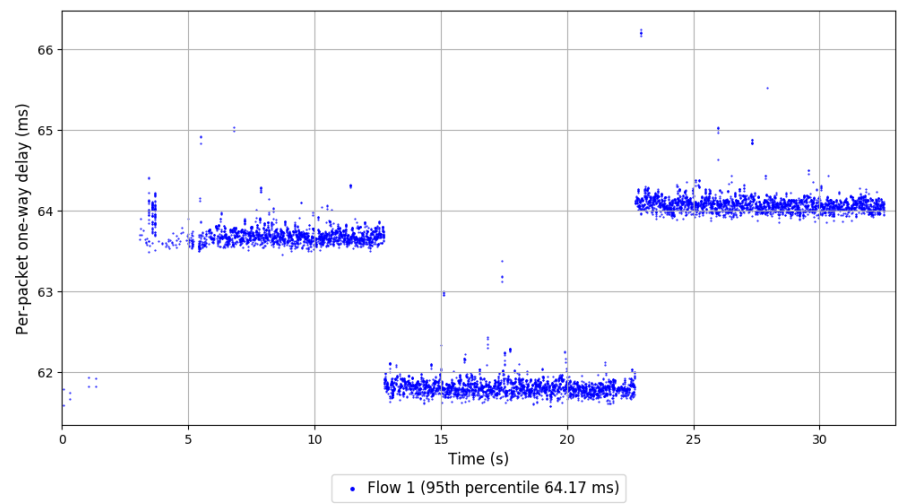
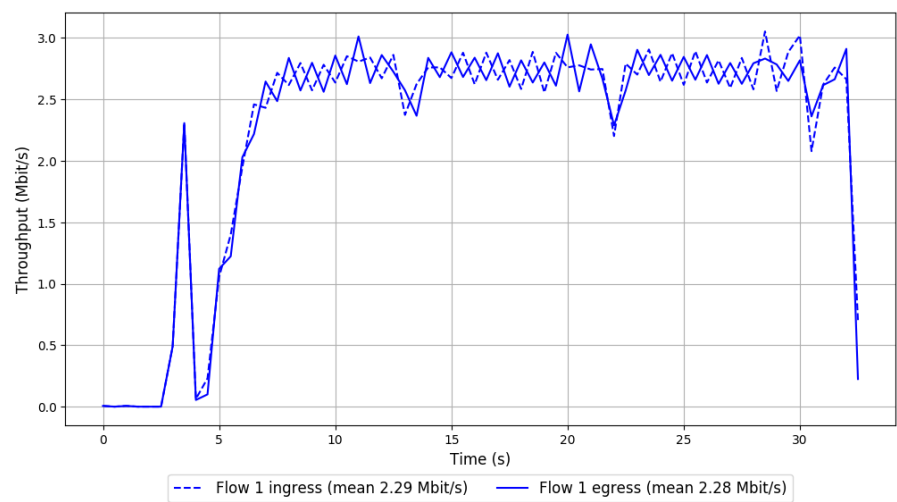
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 64.169 ms

Loss rate: 0.47%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-28 01:19:18

End at: 2018-02-28 01:19:48

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 64.077 ms

Loss rate: 0.59%

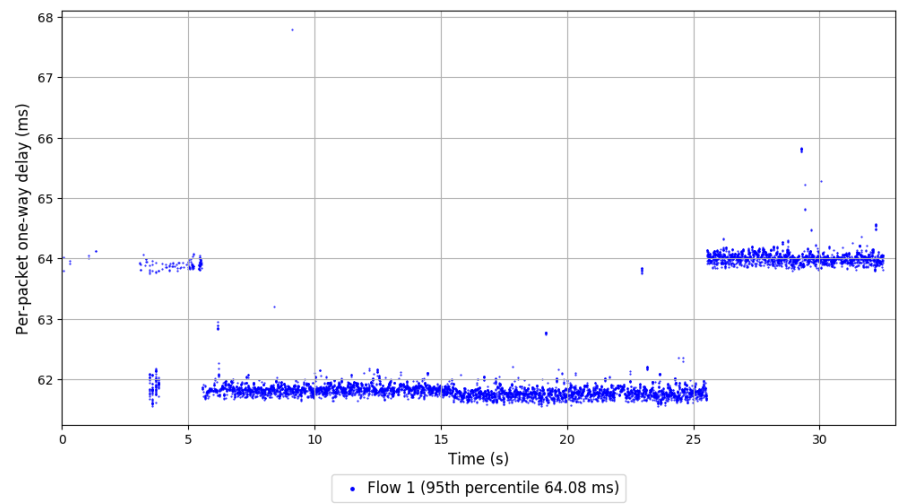
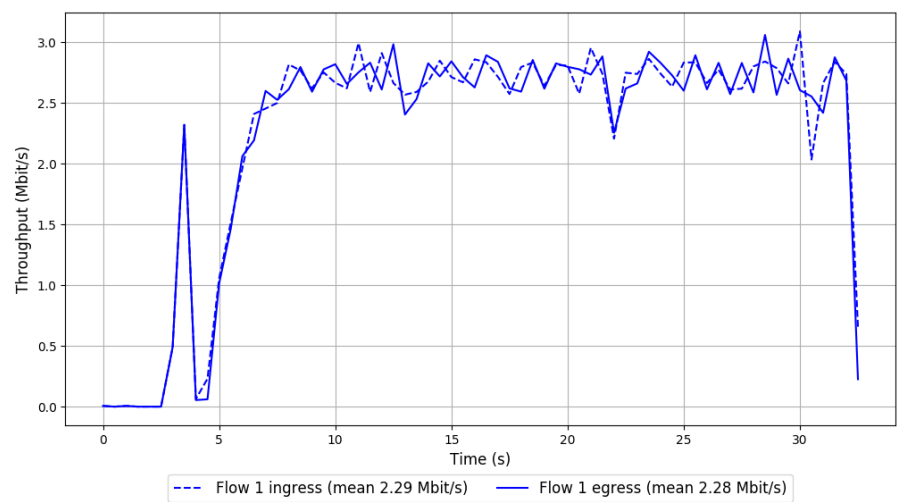
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 64.077 ms

Loss rate: 0.59%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-28 01:34:04

End at: 2018-02-28 01:34:34

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.63 Mbit/s

95th percentile per-packet one-way delay: 63.973 ms

Loss rate: 0.44%

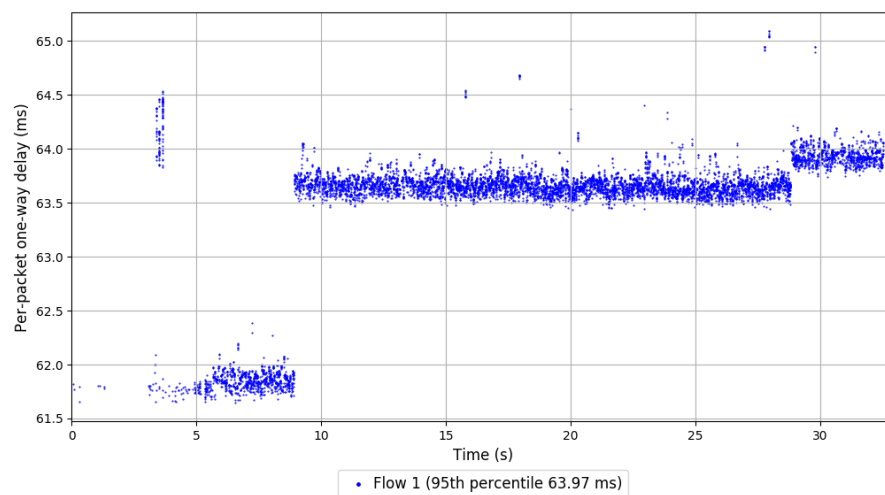
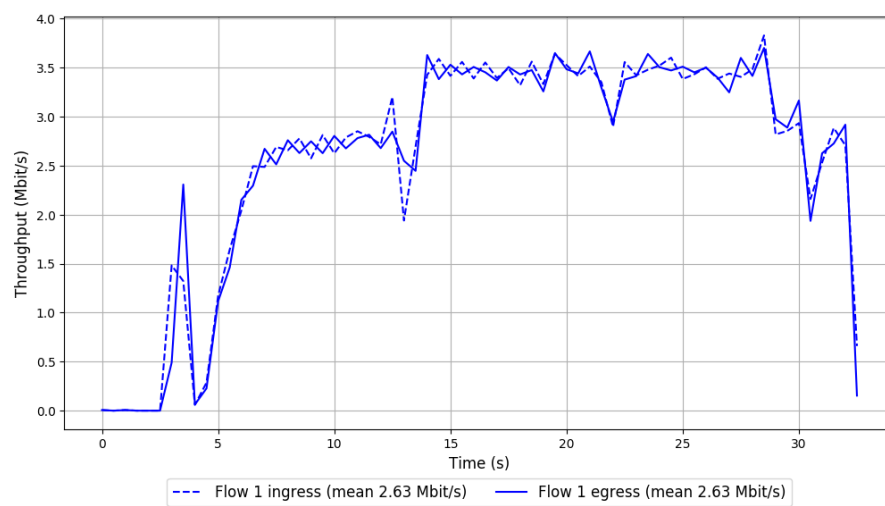
-- Flow 1:

Average throughput: 2.63 Mbit/s

95th percentile per-packet one-way delay: 63.973 ms

Loss rate: 0.44%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-28 01:48:54

End at: 2018-02-28 01:49:24

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 63.927 ms

Loss rate: 0.44%

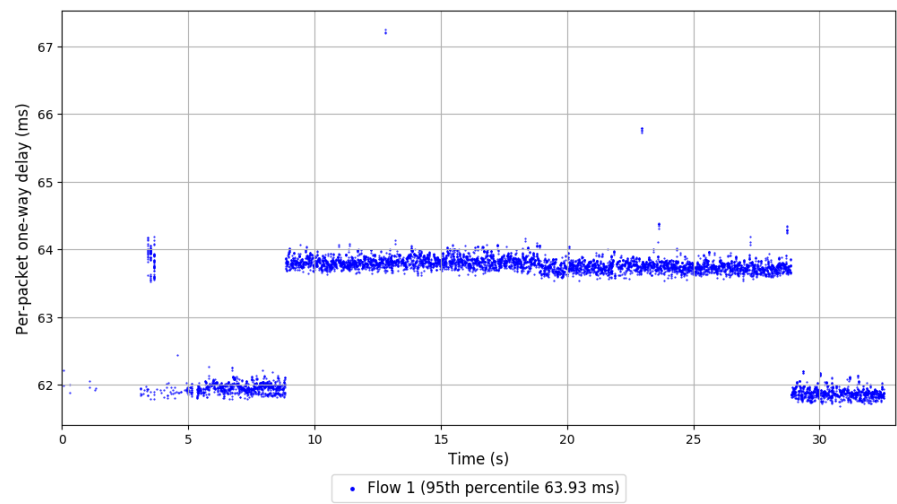
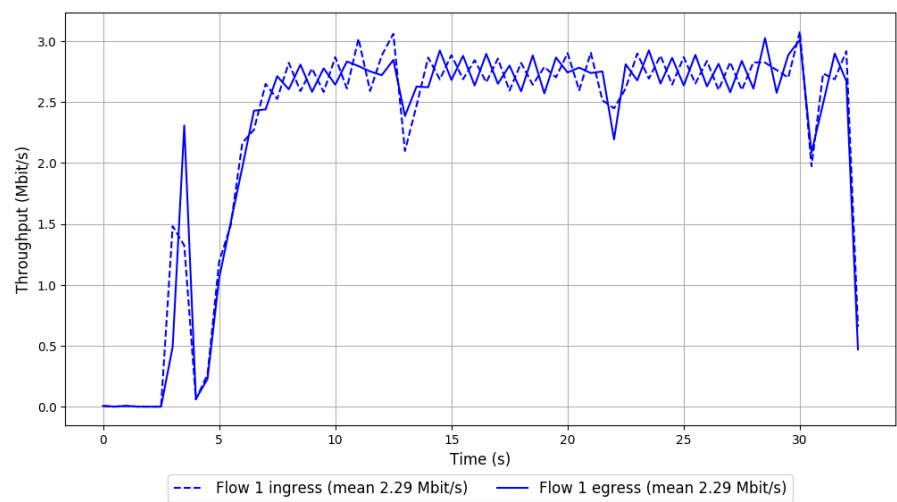
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 63.927 ms

Loss rate: 0.44%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-28 02:03:44

End at: 2018-02-28 02:04:14

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 63.788 ms

Loss rate: 0.48%

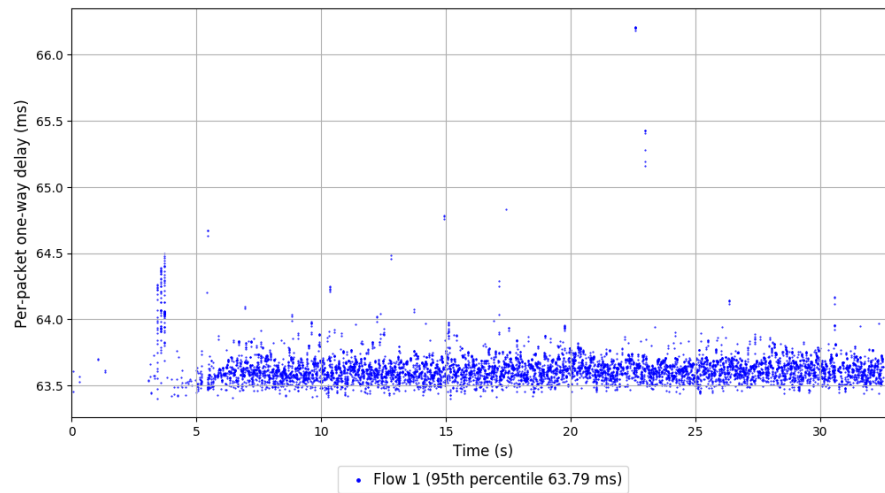
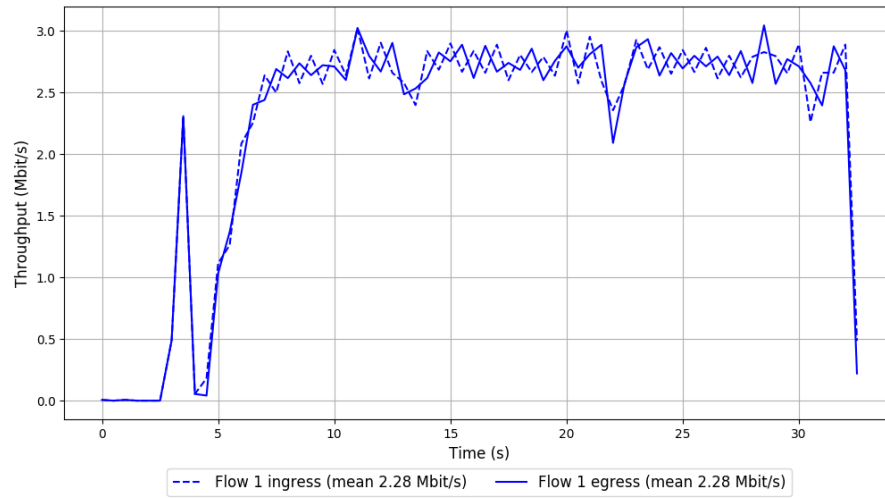
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 63.788 ms

Loss rate: 0.48%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-28 02:18:21

End at: 2018-02-28 02:18:51

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 62.327 ms

Loss rate: 0.50%

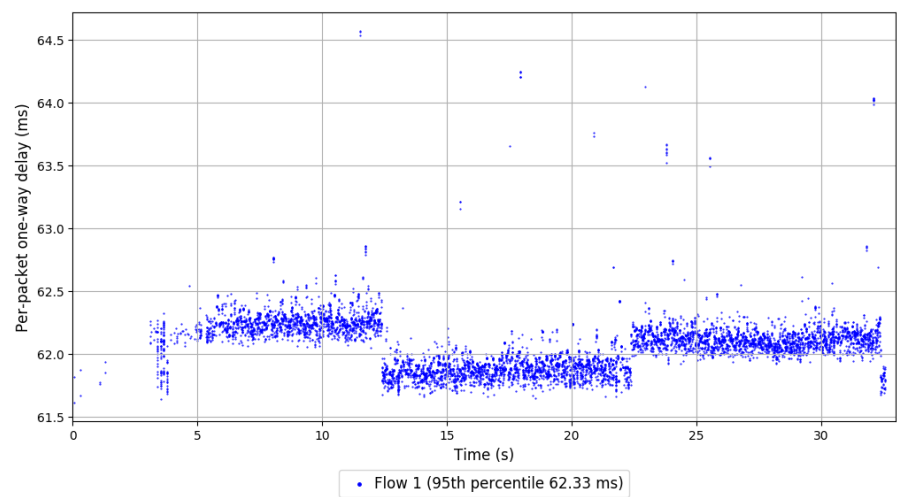
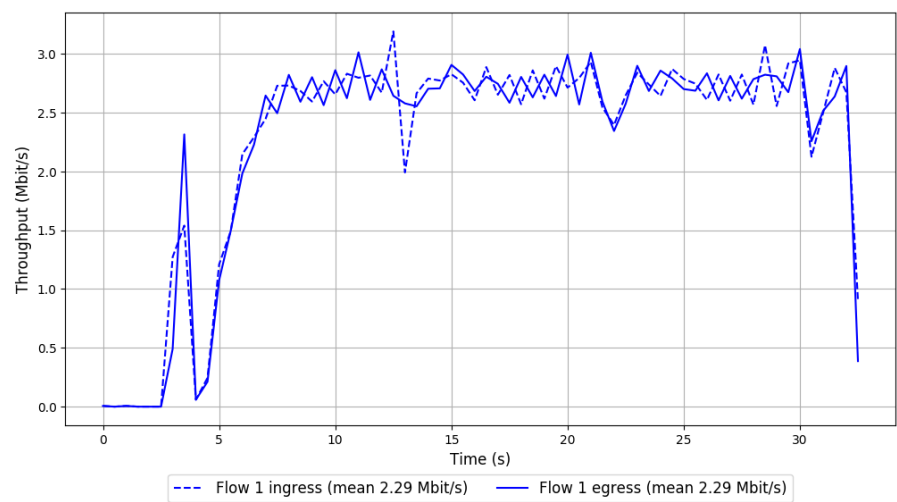
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 62.327 ms

Loss rate: 0.50%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-28 00:05:59

End at: 2018-02-28 00:06:29

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 65.061 ms

Loss rate: 0.49%

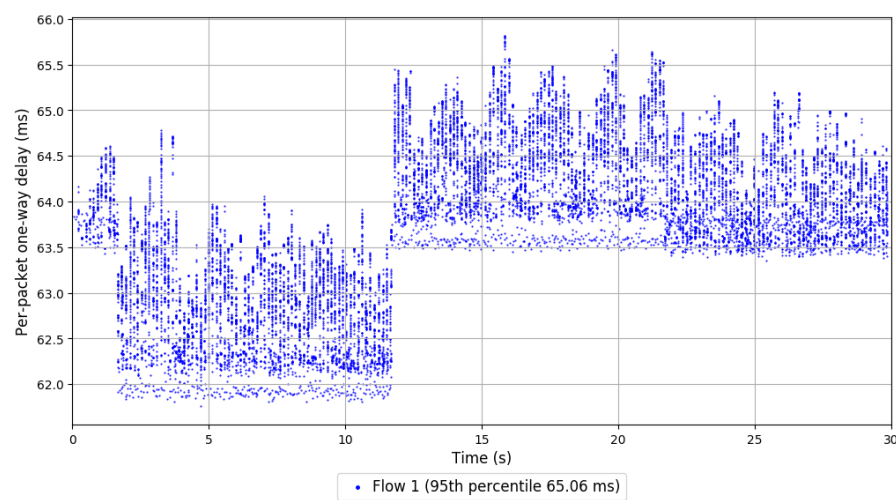
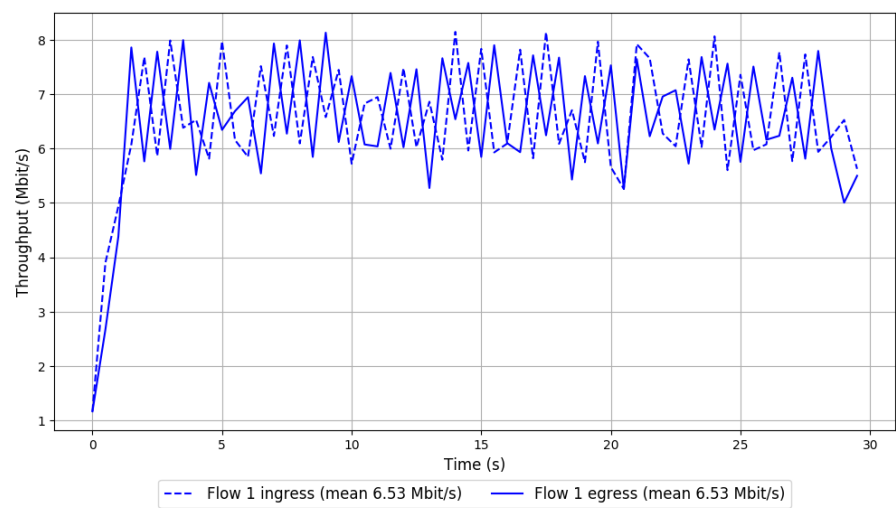
-- Flow 1:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 65.061 ms

Loss rate: 0.49%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-28 00:20:45

End at: 2018-02-28 00:21:15

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 65.163 ms

Loss rate: 0.48%

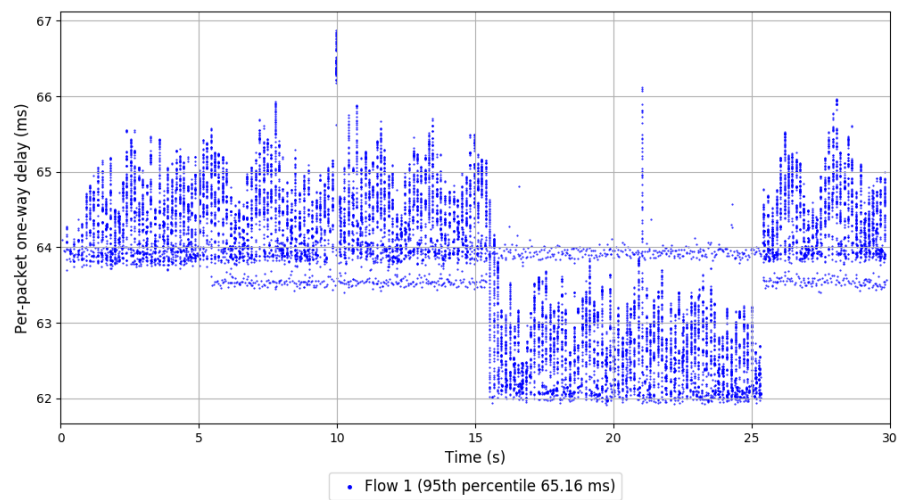
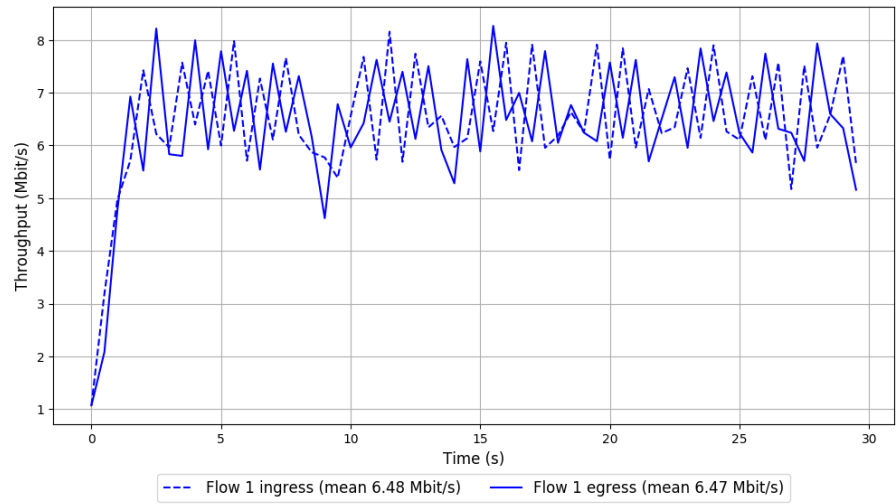
-- Flow 1:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 65.163 ms

Loss rate: 0.48%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-28 00:35:43

End at: 2018-02-28 00:36:13

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.56 Mbit/s

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

Loss rate: 0.42%

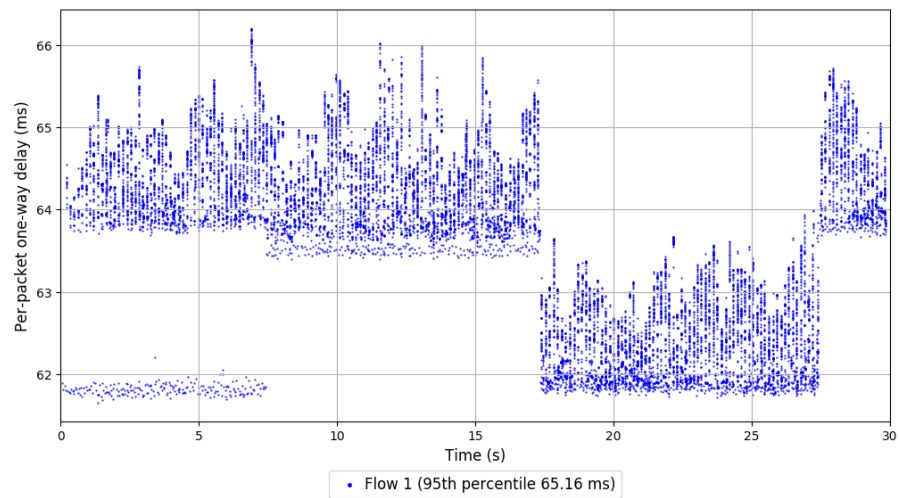
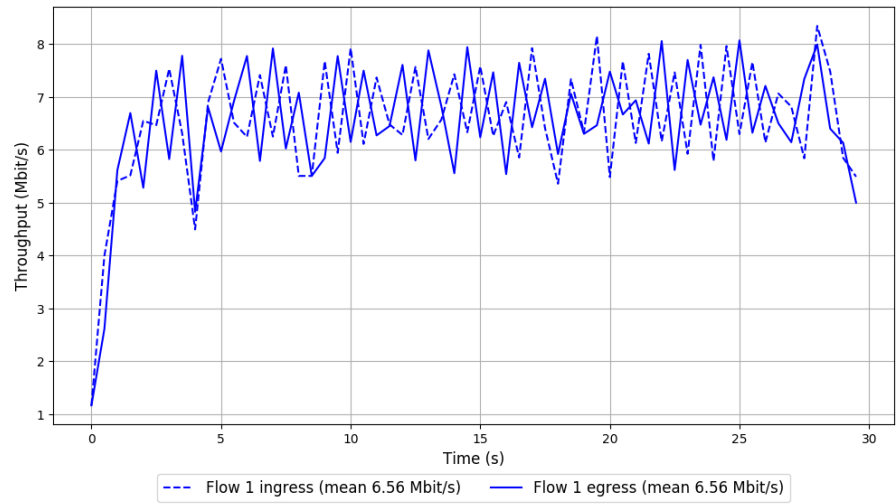
-- Flow 1:

Average throughput: 6.56 Mbit/s

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

Loss rate: 0.42%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-28 00:50:15

End at: 2018-02-28 00:50:45

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.67 Mbit/s

95th percentile per-packet one-way delay: 65.336 ms

Loss rate: 0.48%

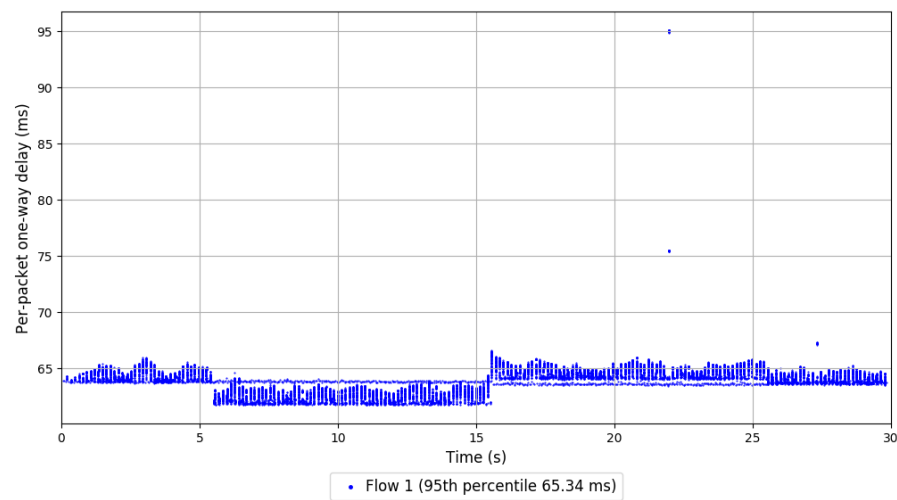
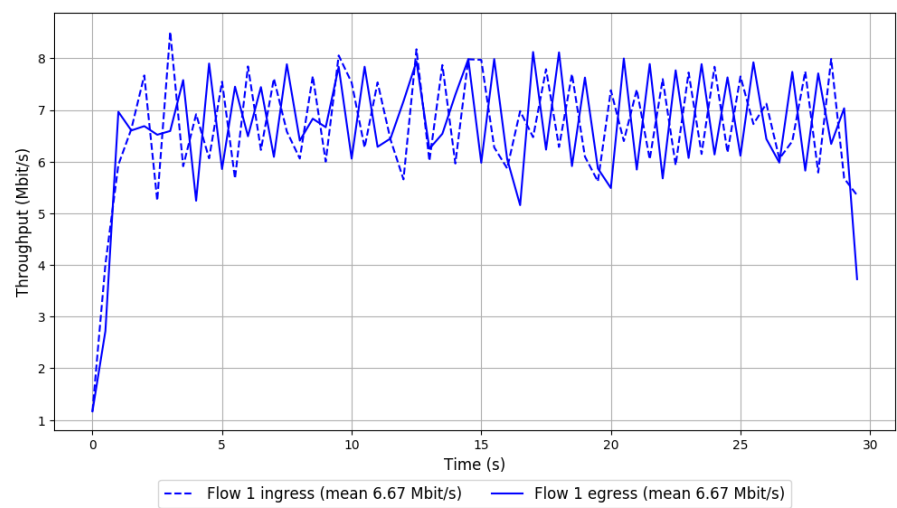
-- Flow 1:

Average throughput: 6.67 Mbit/s

95th percentile per-packet one-way delay: 65.336 ms

Loss rate: 0.48%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-28 01:05:44

End at: 2018-02-28 01:06:14

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 65.363 ms

Loss rate: 0.49%

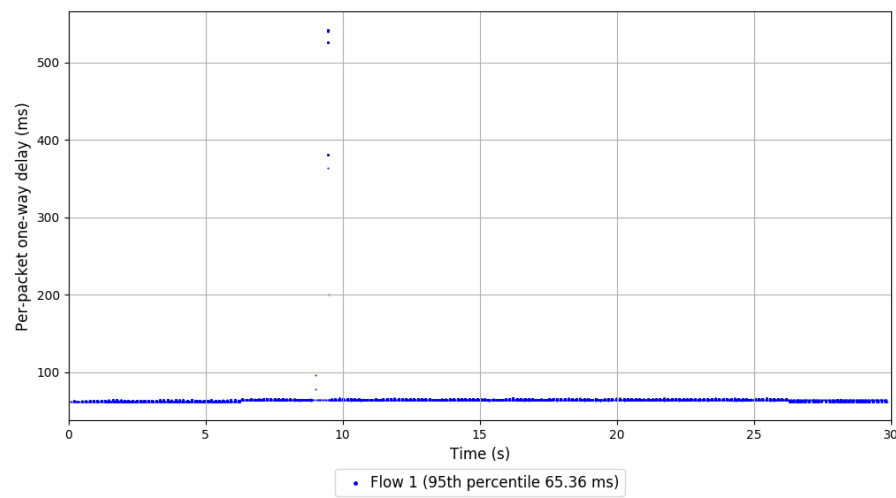
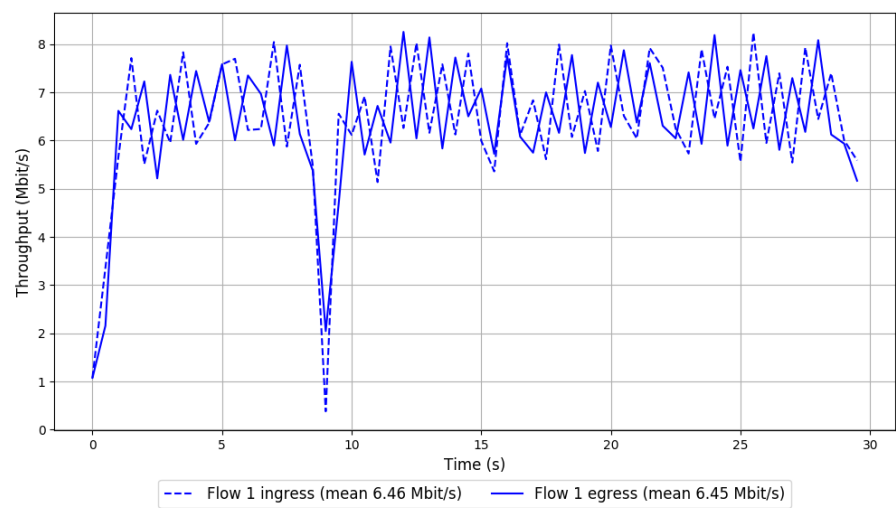
-- Flow 1:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 65.363 ms

Loss rate: 0.49%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-28 01:20:41

End at: 2018-02-28 01:21:11

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 65.188 ms

Loss rate: 0.59%

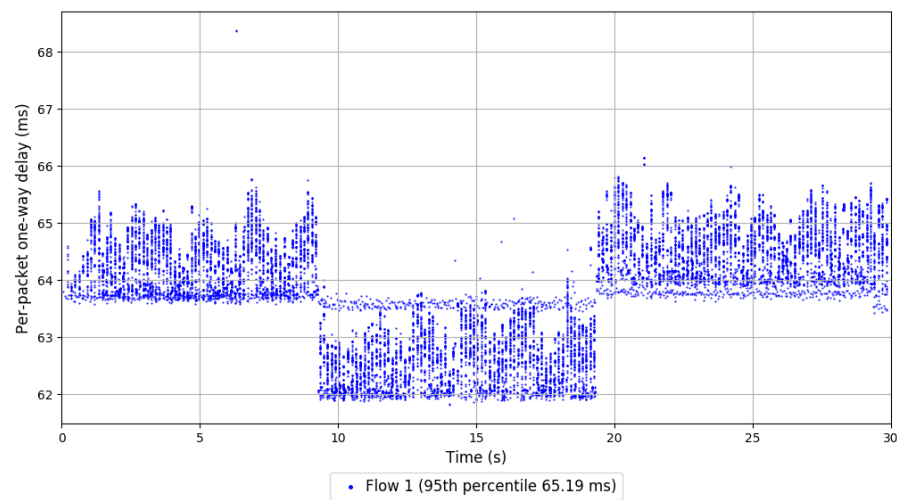
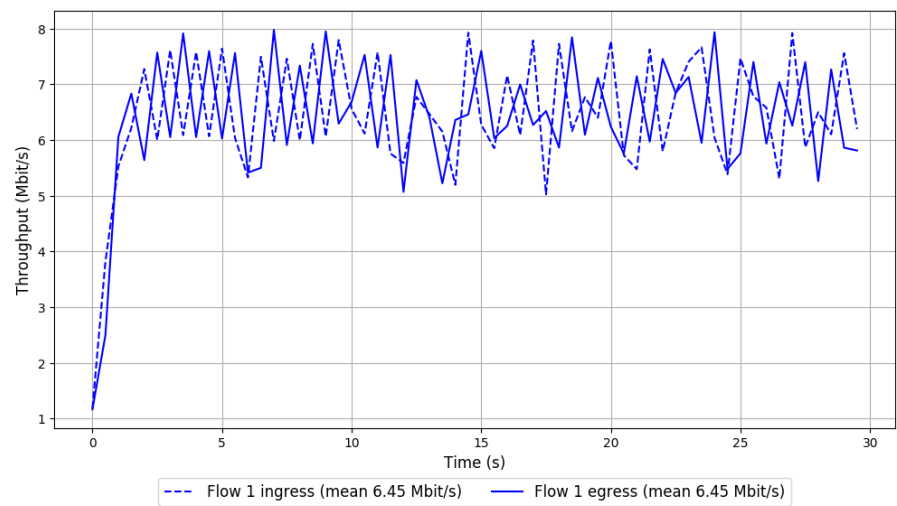
-- Flow 1:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 65.188 ms

Loss rate: 0.59%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-28 01:35:29

End at: 2018-02-28 01:35:59

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.34 Mbit/s

95th percentile per-packet one-way delay: 65.454 ms

Loss rate: 0.59%

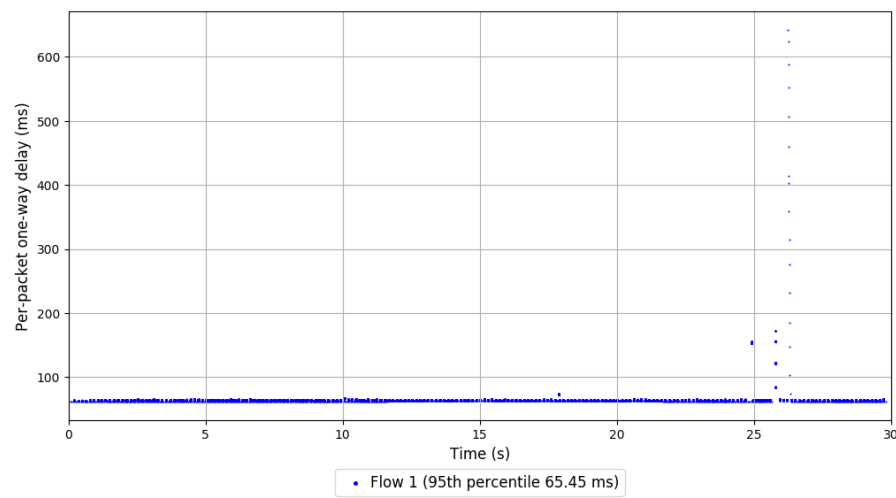
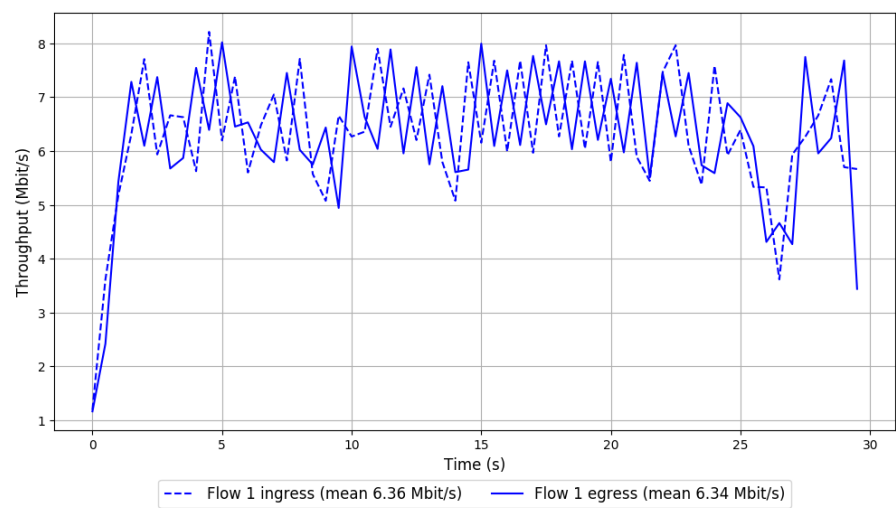
-- Flow 1:

Average throughput: 6.34 Mbit/s

95th percentile per-packet one-way delay: 65.454 ms

Loss rate: 0.59%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-28 01:50:18

End at: 2018-02-28 01:50:48

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 65.451 ms

Loss rate: 0.40%

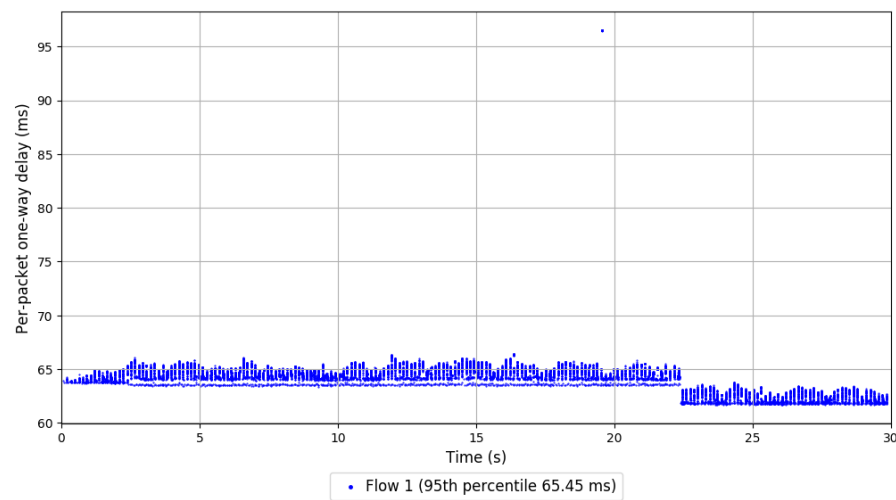
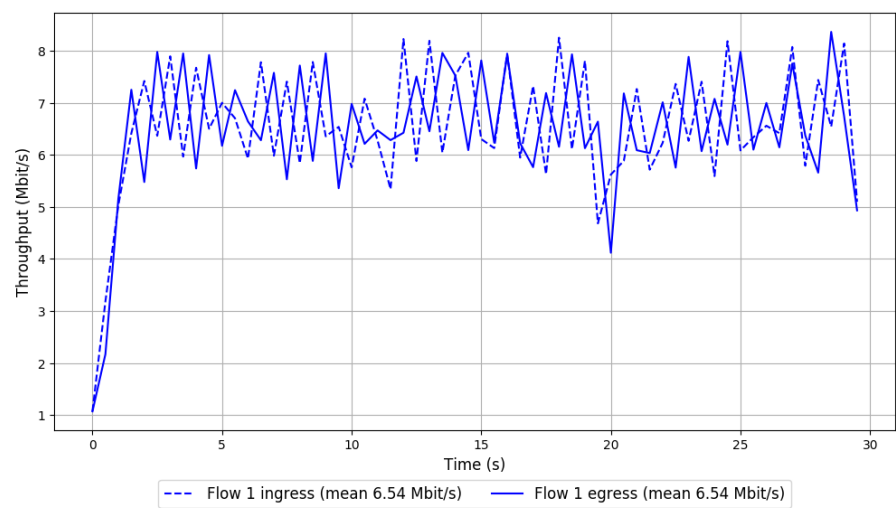
-- Flow 1:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 65.451 ms

Loss rate: 0.40%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-28 02:05:06

End at: 2018-02-28 02:05:36

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 65.361 ms

Loss rate: 0.24%

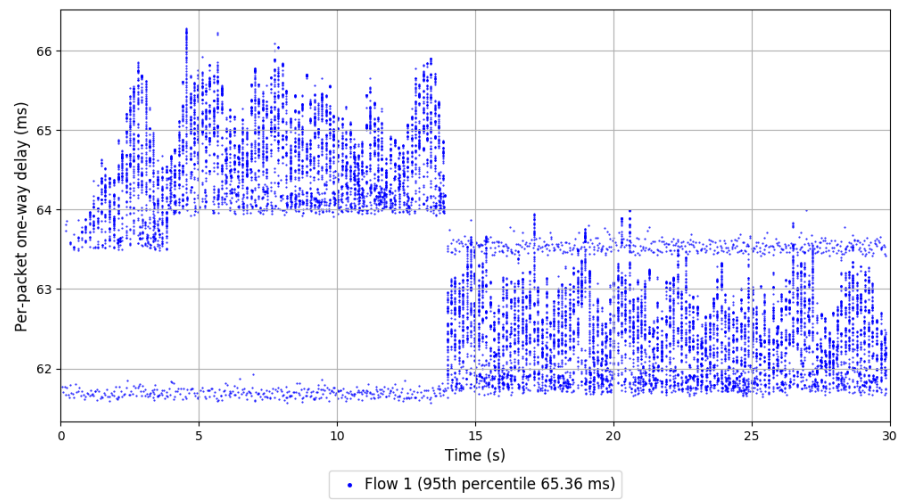
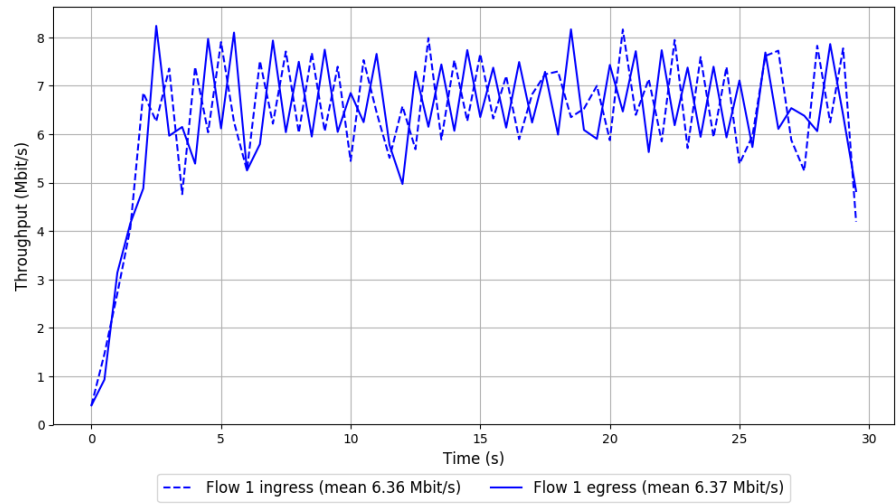
-- Flow 1:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 65.361 ms

Loss rate: 0.24%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-28 02:19:45

End at: 2018-02-28 02:20:15

Below is generated by plot.py at 2018-02-28 05:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.55 Mbit/s

95th percentile per-packet one-way delay: 65.087 ms

Loss rate: 0.55%

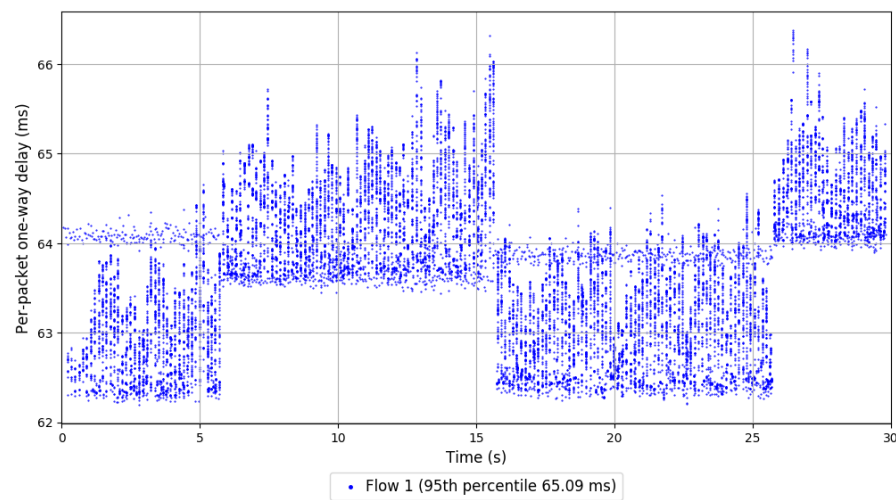
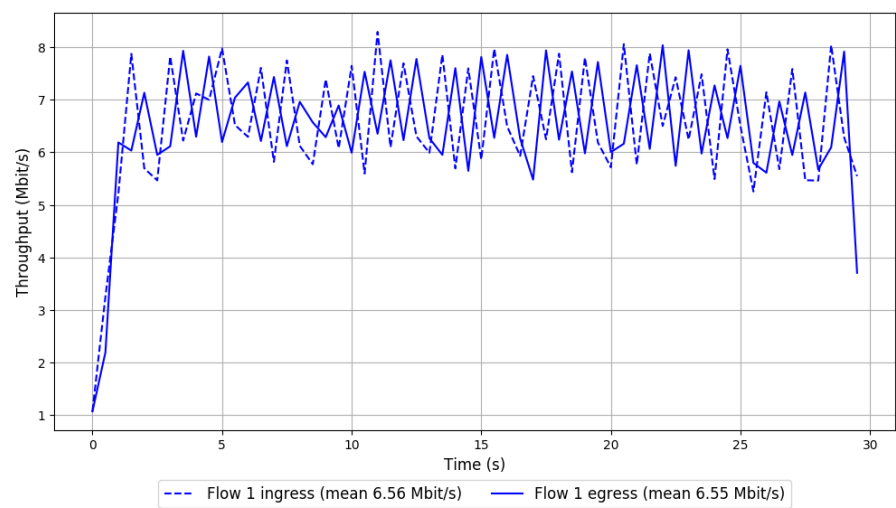
-- Flow 1:

Average throughput: 6.55 Mbit/s

95th percentile per-packet one-way delay: 65.087 ms

Loss rate: 0.55%

Run 10: Report of Sprout — Data Link

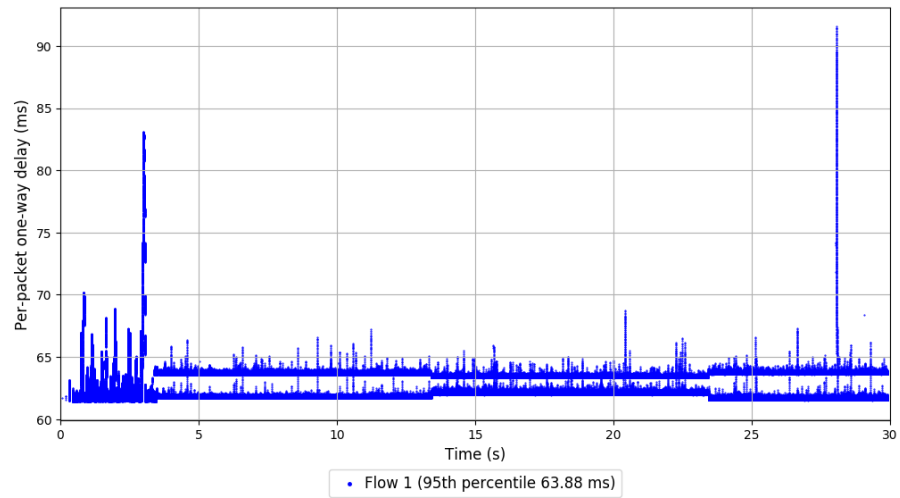
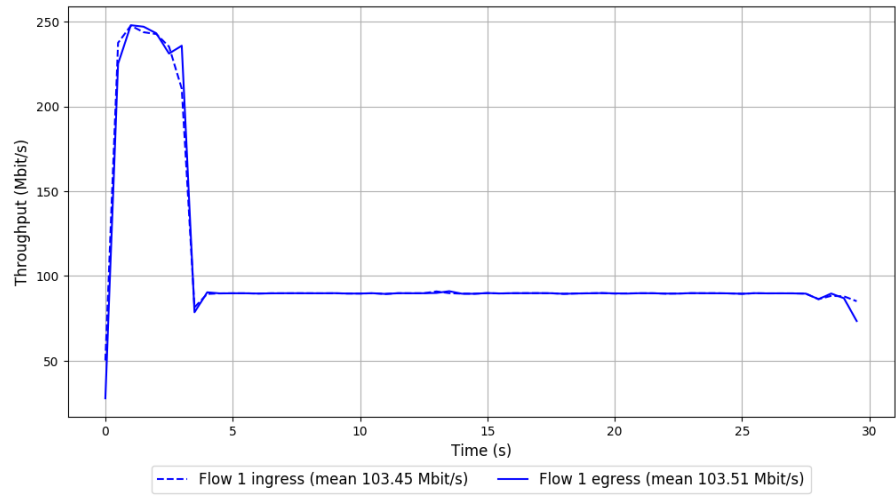


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-27 23:59:47
End at: 2018-02-28 00:00:17

# Below is generated by plot.py at 2018-02-28 05:38:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 63.879 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 63.879 ms
Loss rate: 0.36%
```


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

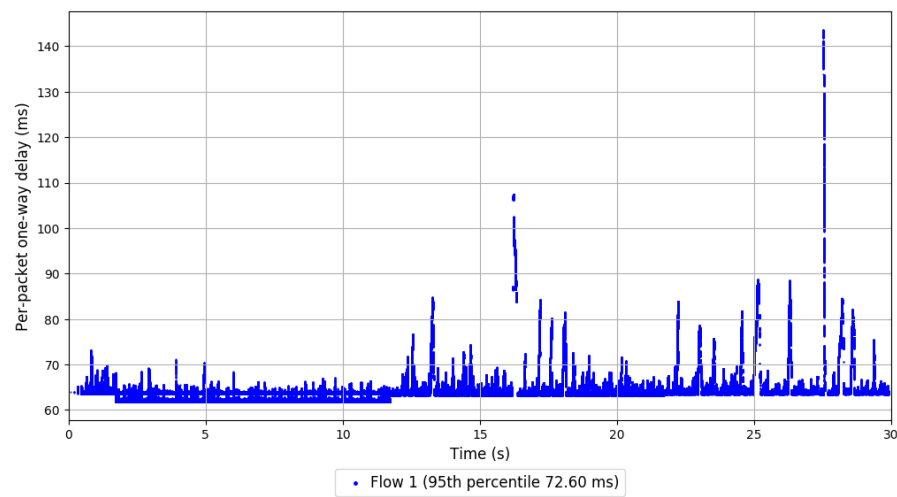
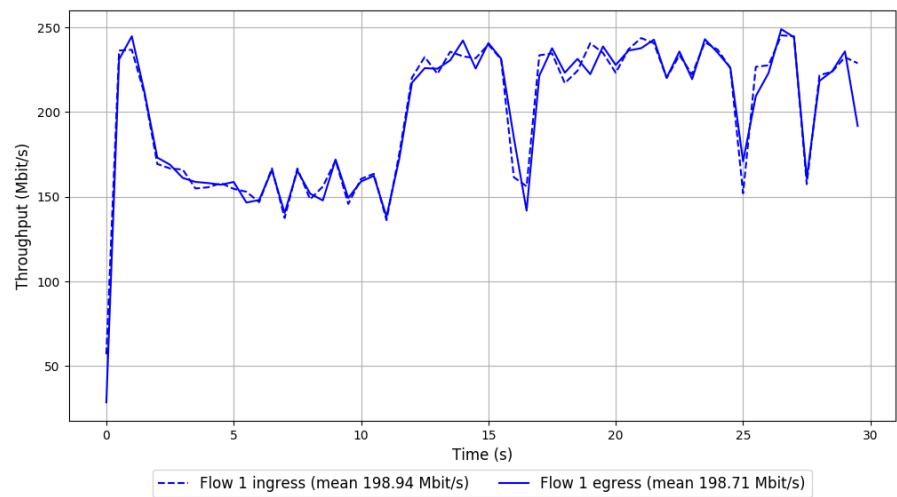


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-28 00:14:29
End at: 2018-02-28 00:14:59

# Below is generated by plot.py at 2018-02-28 05:42:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.71 Mbit/s
95th percentile per-packet one-way delay: 72.601 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 198.71 Mbit/s
95th percentile per-packet one-way delay: 72.601 ms
Loss rate: 0.54%
```

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

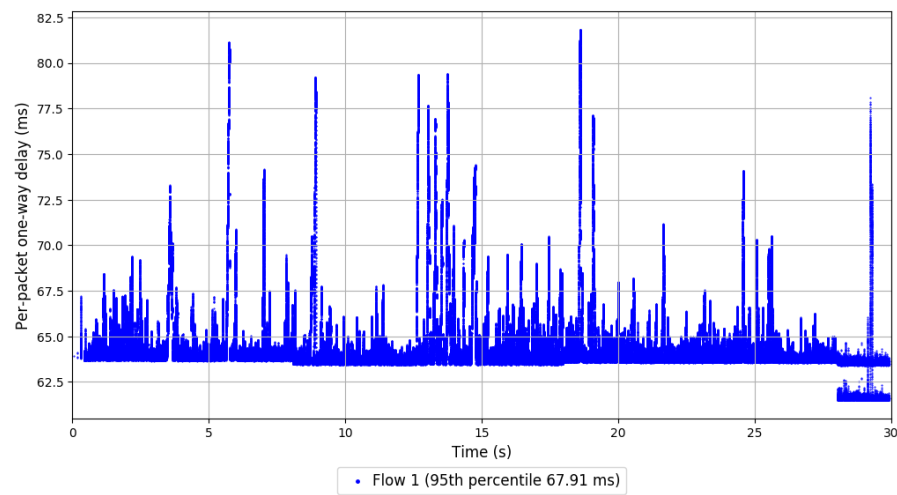
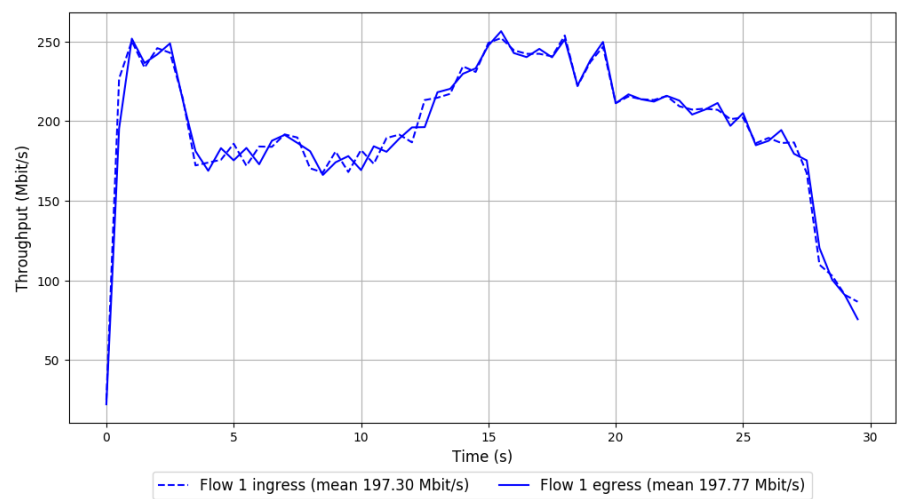


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-02-28 00:29:22
End at: 2018-02-28 00:29:52

# Below is generated by plot.py at 2018-02-28 05:42:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.77 Mbit/s
95th percentile per-packet one-way delay: 67.905 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 197.77 Mbit/s
95th percentile per-packet one-way delay: 67.905 ms
Loss rate: 0.19%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-28 00:44:08

End at: 2018-02-28 00:44:39

Below is generated by plot.py at 2018-02-28 05:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.56 Mbit/s

95th percentile per-packet one-way delay: 67.630 ms

Loss rate: 0.26%

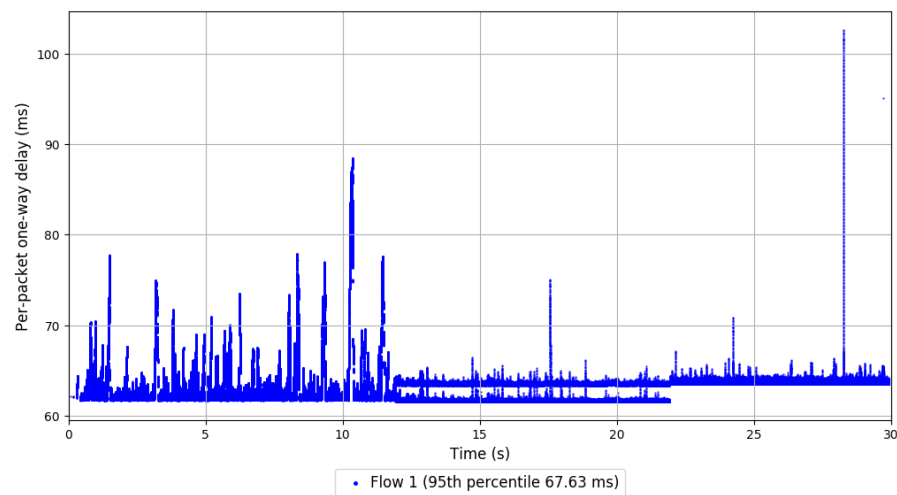
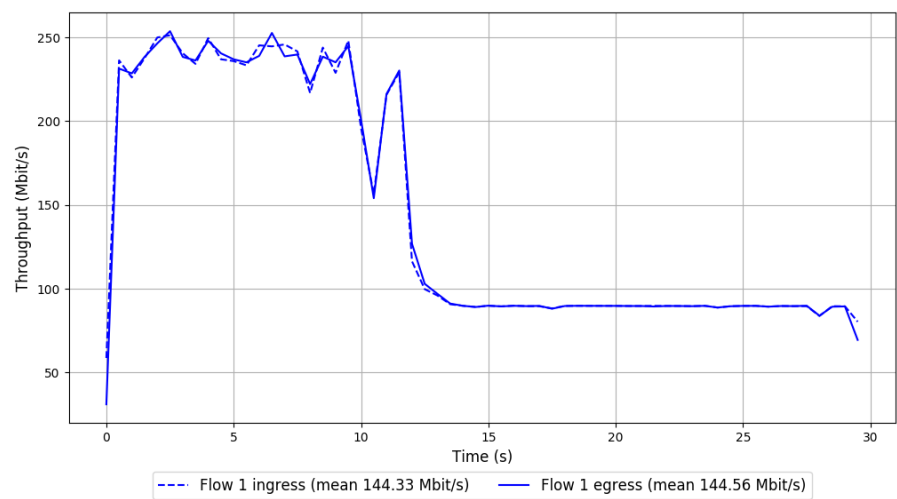
-- Flow 1:

Average throughput: 144.56 Mbit/s

95th percentile per-packet one-way delay: 67.630 ms

Loss rate: 0.26%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-28 00:59:21

End at: 2018-02-28 00:59:51

Below is generated by plot.py at 2018-02-28 05:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.89 Mbit/s

95th percentile per-packet one-way delay: 74.666 ms

Loss rate: 0.39%

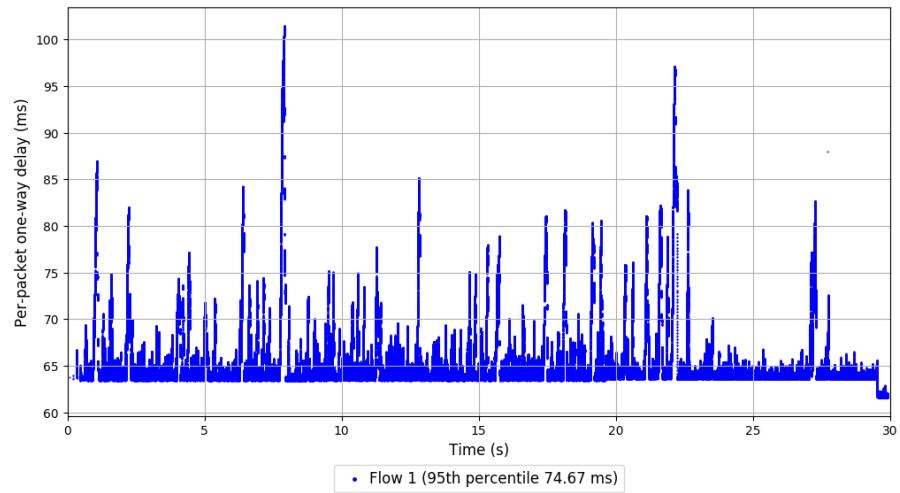
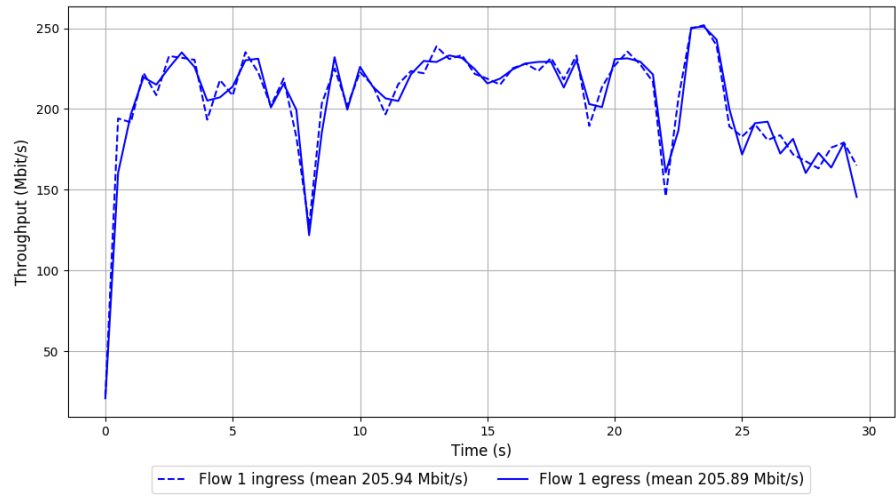
-- Flow 1:

Average throughput: 205.89 Mbit/s

95th percentile per-packet one-way delay: 74.666 ms

Loss rate: 0.39%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-28 01:14:25

End at: 2018-02-28 01:14:55

Below is generated by plot.py at 2018-02-28 05:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.66 Mbit/s

95th percentile per-packet one-way delay: 70.053 ms

Loss rate: 0.24%

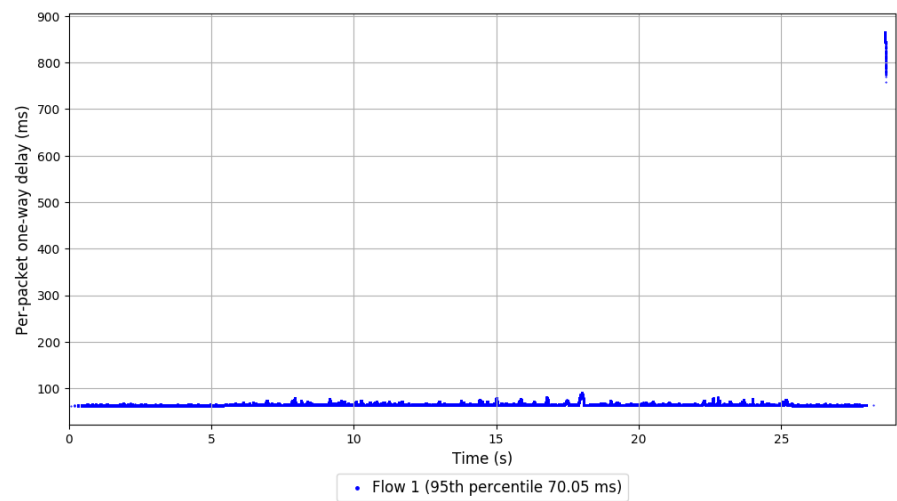
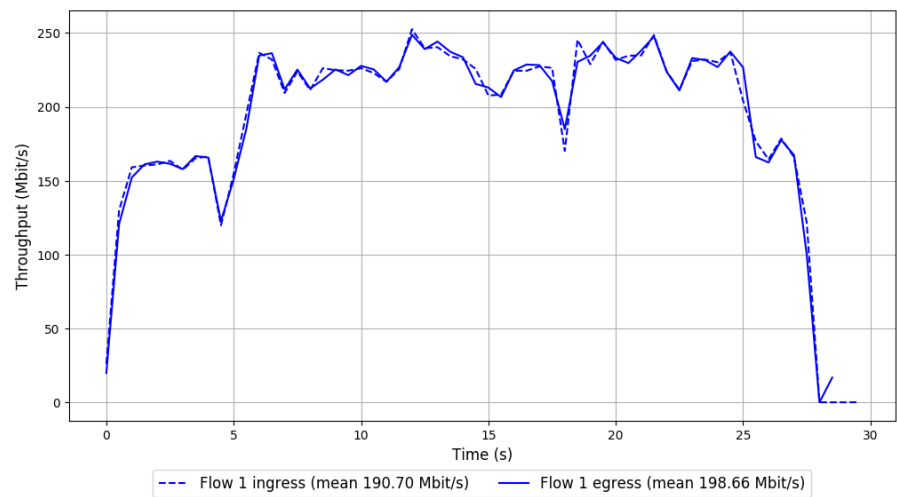
-- Flow 1:

Average throughput: 198.66 Mbit/s

95th percentile per-packet one-way delay: 70.053 ms

Loss rate: 0.24%

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

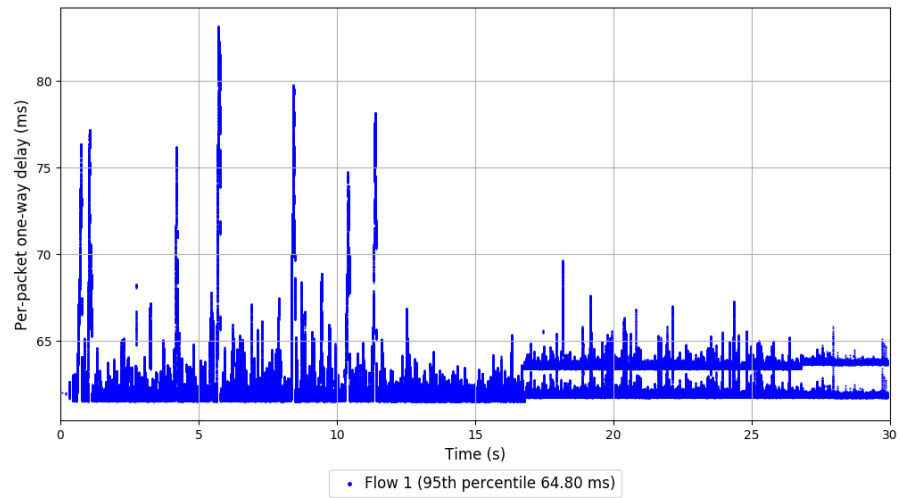
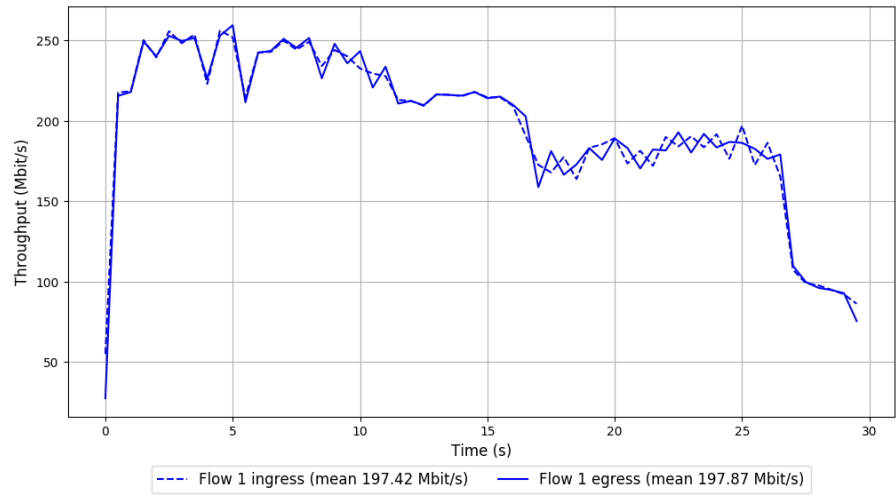


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-02-28 01:29:14
End at: 2018-02-28 01:29:44

# Below is generated by plot.py at 2018-02-28 05:47:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.87 Mbit/s
95th percentile per-packet one-way delay: 64.796 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 197.87 Mbit/s
95th percentile per-packet one-way delay: 64.796 ms
Loss rate: 0.19%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-28 01:44:04

End at: 2018-02-28 01:44:34

Below is generated by plot.py at 2018-02-28 05:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.65 Mbit/s

95th percentile per-packet one-way delay: 72.040 ms

Loss rate: 0.30%

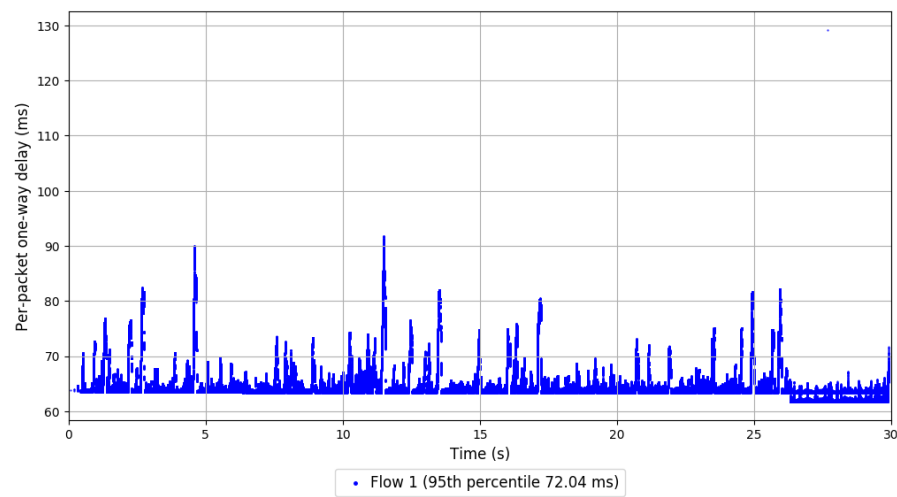
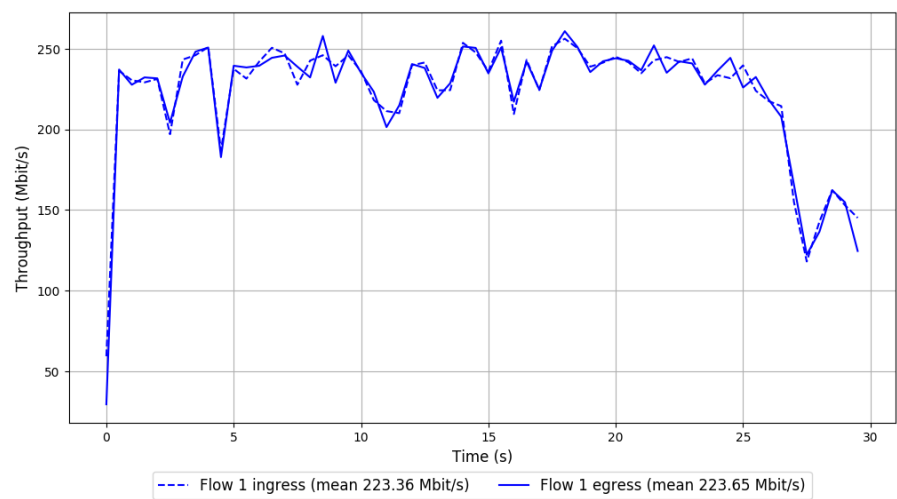
-- Flow 1:

Average throughput: 223.65 Mbit/s

95th percentile per-packet one-way delay: 72.040 ms

Loss rate: 0.30%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-28 01:58:47

End at: 2018-02-28 01:59:17

Below is generated by plot.py at 2018-02-28 05:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.00 Mbit/s

95th percentile per-packet one-way delay: 64.715 ms

Loss rate: 0.39%

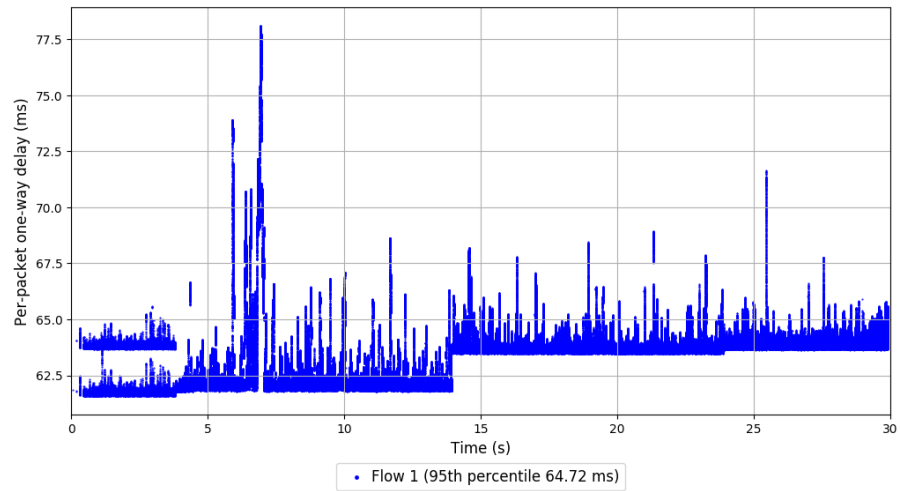
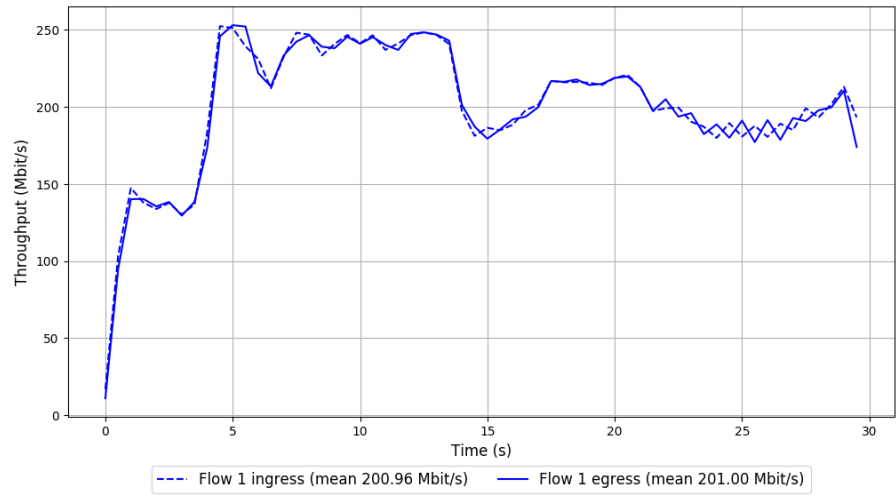
-- Flow 1:

Average throughput: 201.00 Mbit/s

95th percentile per-packet one-way delay: 64.715 ms

Loss rate: 0.39%

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

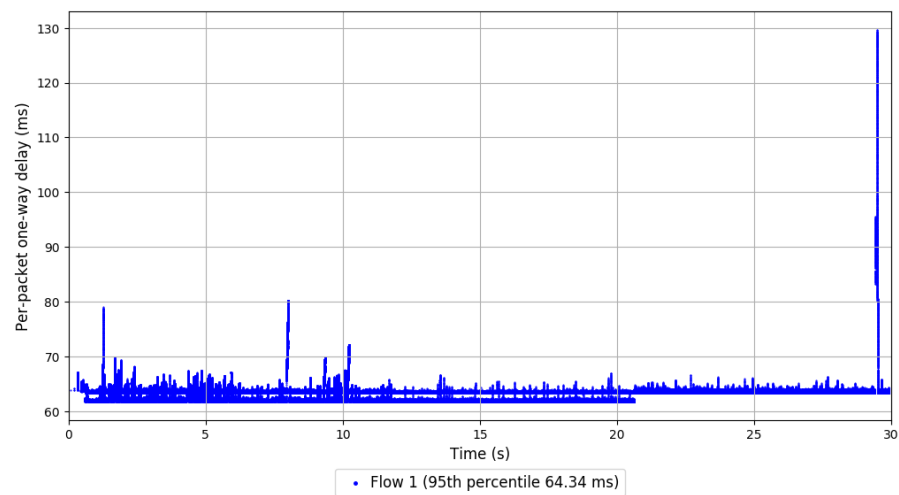
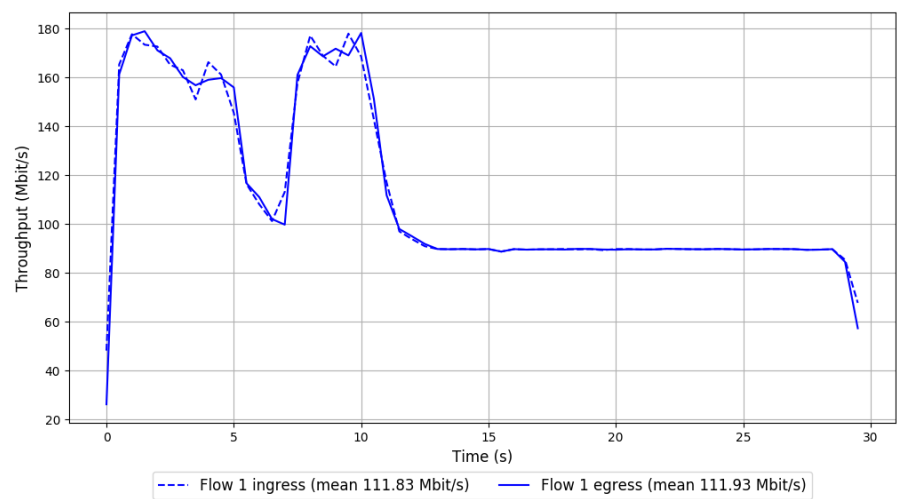


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-28 02:13:40
End at: 2018-02-28 02:14:10

# Below is generated by plot.py at 2018-02-28 05:49:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 64.336 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 64.336 ms
Loss rate: 0.34%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-28 00:08:16

End at: 2018-02-28 00:08:46

Below is generated by plot.py at 2018-02-28 05:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.95 Mbit/s

95th percentile per-packet one-way delay: 75.362 ms

Loss rate: 0.15%

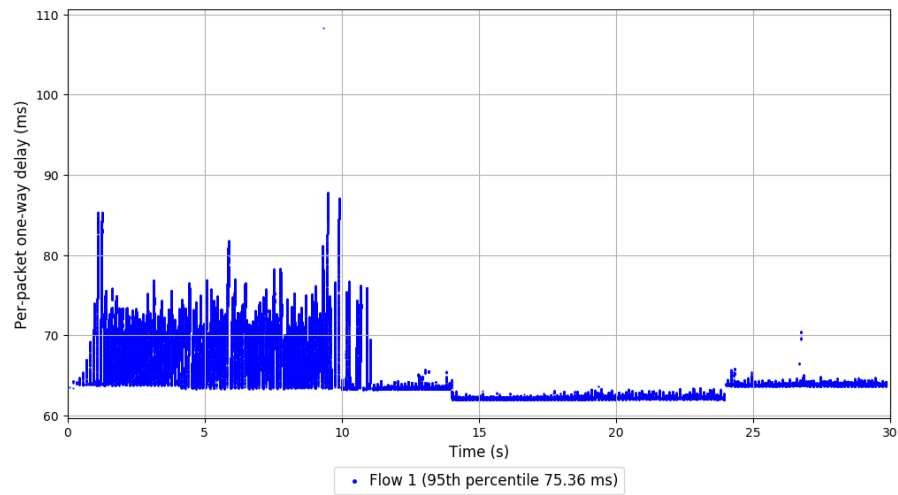
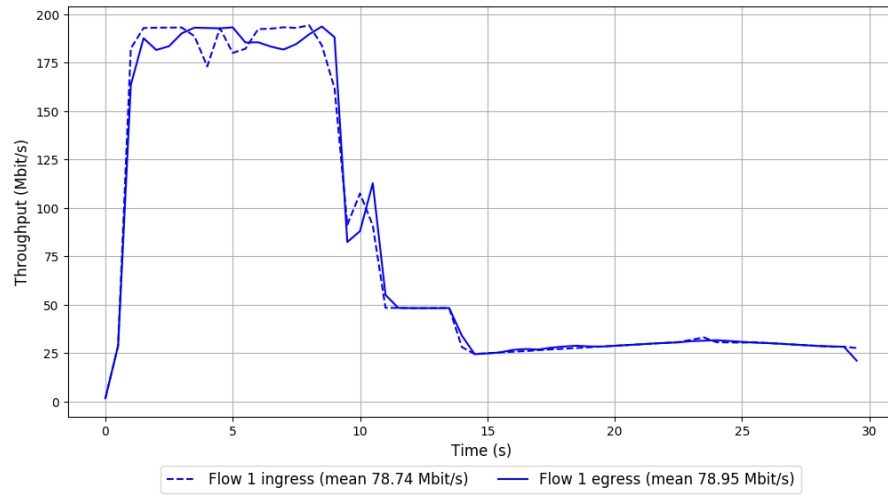
-- Flow 1:

Average throughput: 78.95 Mbit/s

95th percentile per-packet one-way delay: 75.362 ms

Loss rate: 0.15%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-28 00:23:04

End at: 2018-02-28 00:23:34

Below is generated by plot.py at 2018-02-28 05:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.64 Mbit/s

95th percentile per-packet one-way delay: 74.785 ms

Loss rate: 0.44%

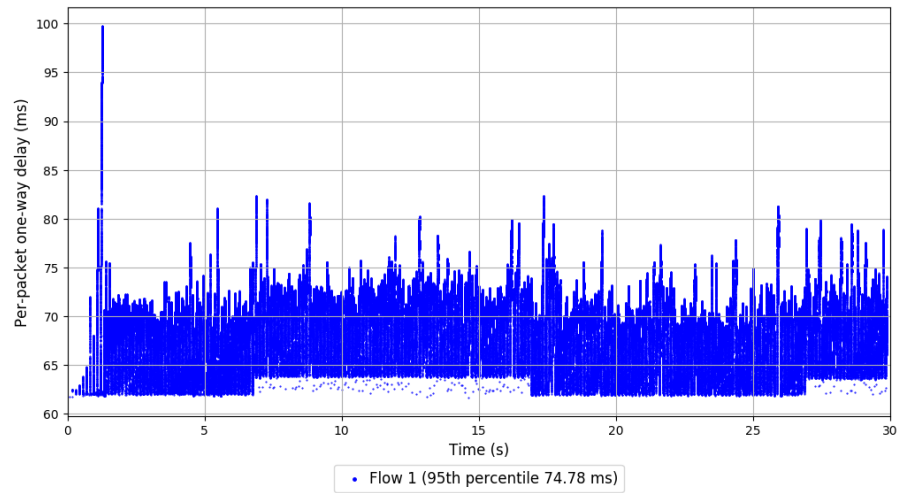
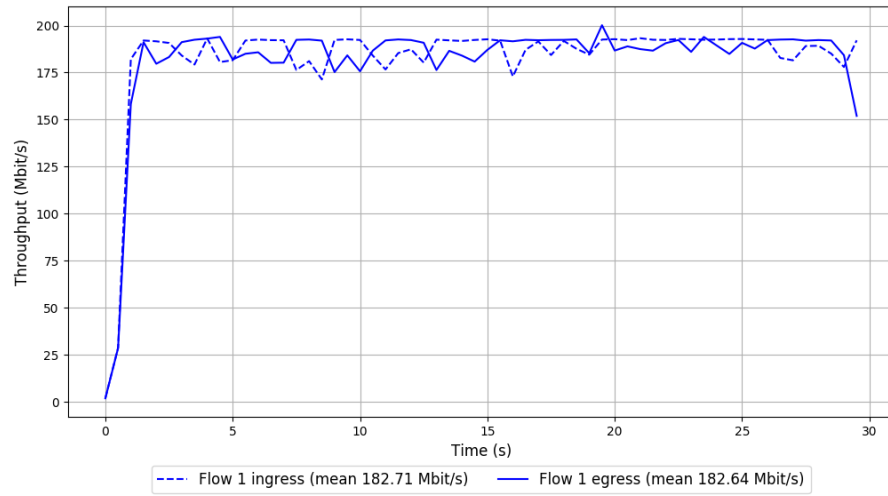
-- Flow 1:

Average throughput: 182.64 Mbit/s

95th percentile per-packet one-way delay: 74.785 ms

Loss rate: 0.44%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-28 00:38:01

End at: 2018-02-28 00:38:31

Below is generated by plot.py at 2018-02-28 05:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.61 Mbit/s

95th percentile per-packet one-way delay: 65.000 ms

Loss rate: 0.42%

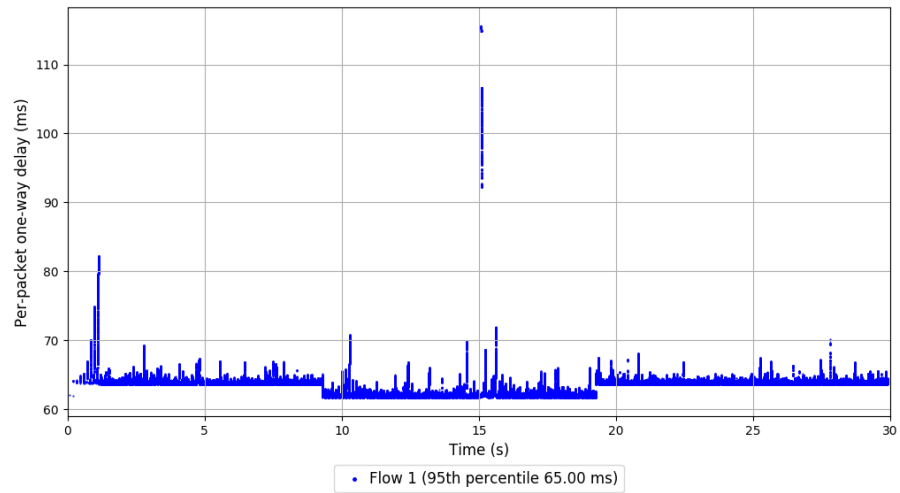
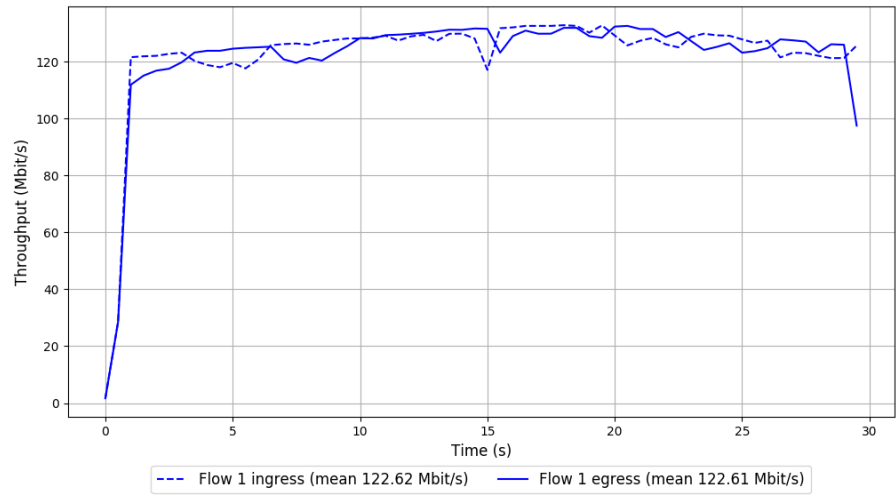
-- Flow 1:

Average throughput: 122.61 Mbit/s

95th percentile per-packet one-way delay: 65.000 ms

Loss rate: 0.42%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-28 00:52:37

End at: 2018-02-28 00:53:07

Below is generated by plot.py at 2018-02-28 05:49:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.35 Mbit/s

95th percentile per-packet one-way delay: 77.756 ms

Loss rate: 0.45%

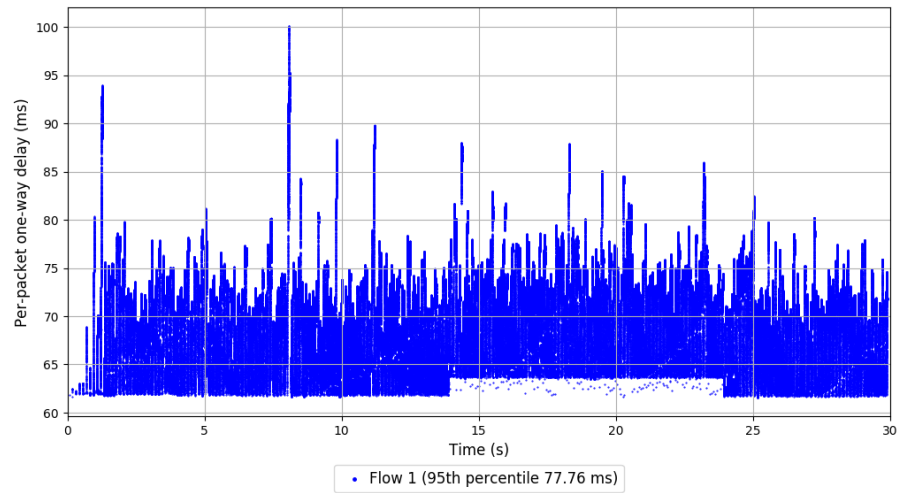
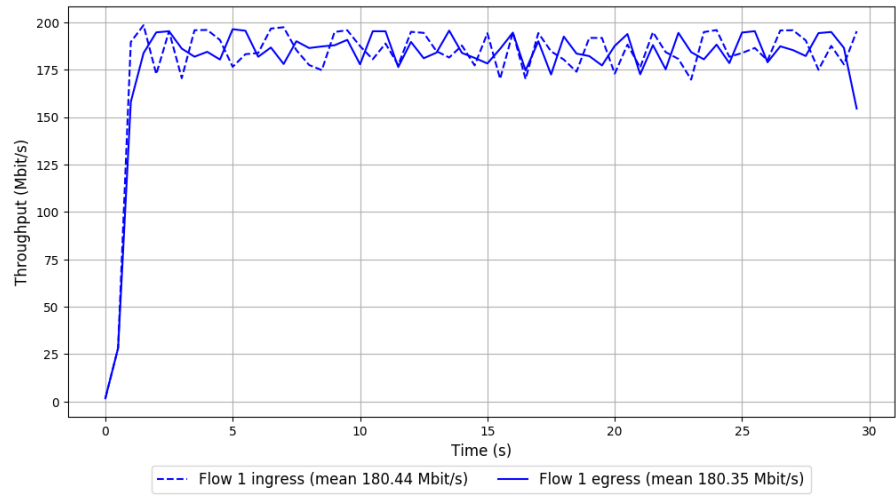
-- Flow 1:

Average throughput: 180.35 Mbit/s

95th percentile per-packet one-way delay: 77.756 ms

Loss rate: 0.45%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-28 01:08:02

End at: 2018-02-28 01:08:32

Below is generated by plot.py at 2018-02-28 05:49:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 78.534 ms

Loss rate: 0.46%

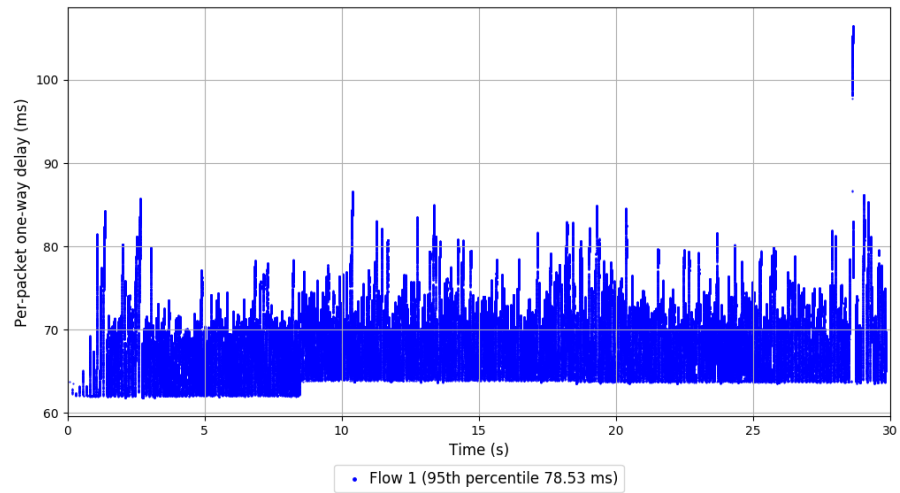
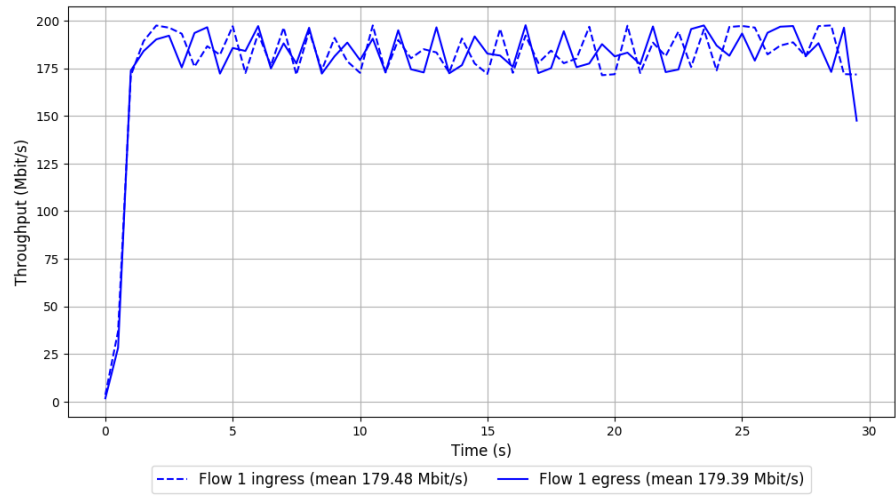
-- Flow 1:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 78.534 ms

Loss rate: 0.46%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-28 01:22:59

End at: 2018-02-28 01:23:29

Below is generated by plot.py at 2018-02-28 05:49:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.06 Mbit/s

95th percentile per-packet one-way delay: 64.919 ms

Loss rate: 0.45%

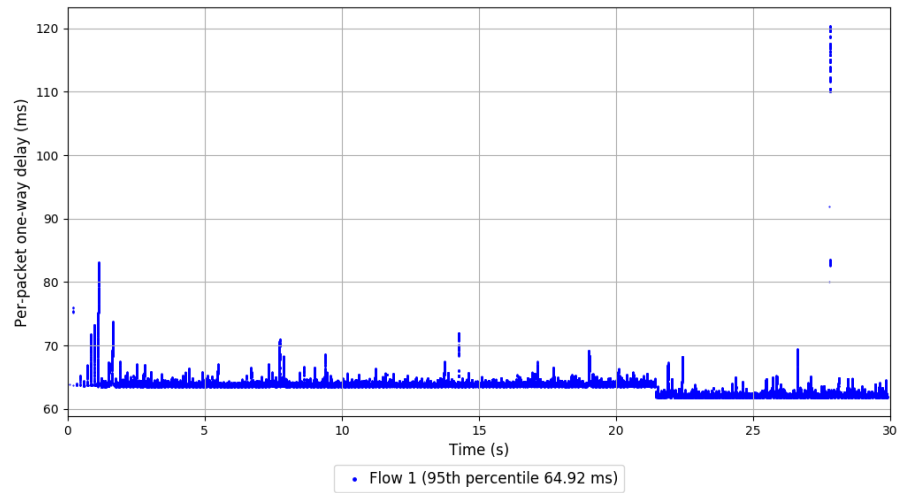
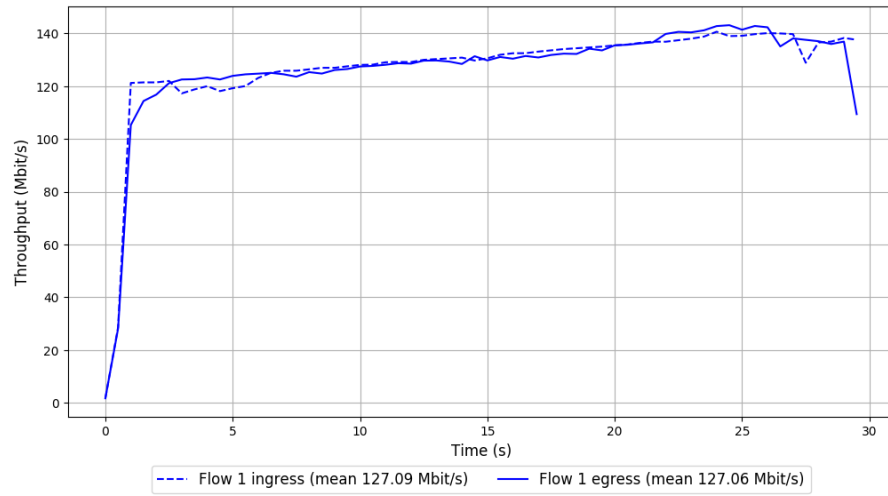
-- Flow 1:

Average throughput: 127.06 Mbit/s

95th percentile per-packet one-way delay: 64.919 ms

Loss rate: 0.45%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-28 01:37:47

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

Below is generated by plot.py at 2018-02-28 05:50:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.67 Mbit/s

95th percentile per-packet one-way delay: 77.865 ms

Loss rate: 0.45%

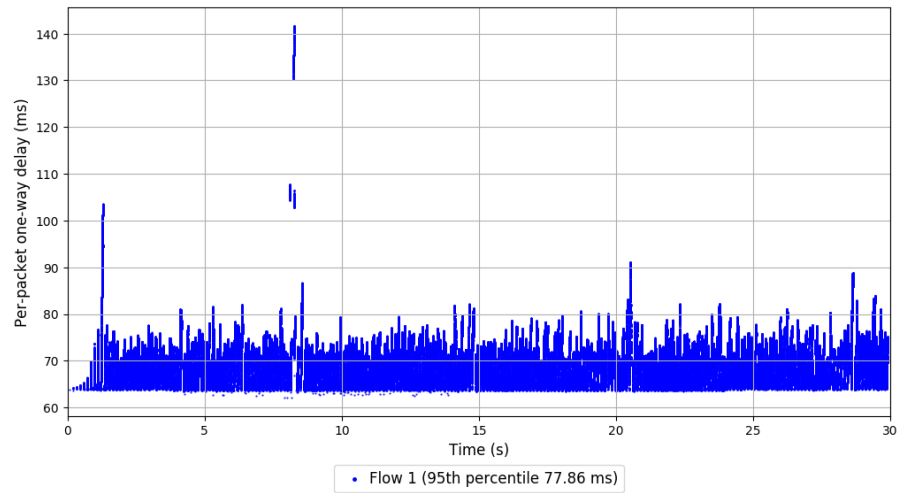
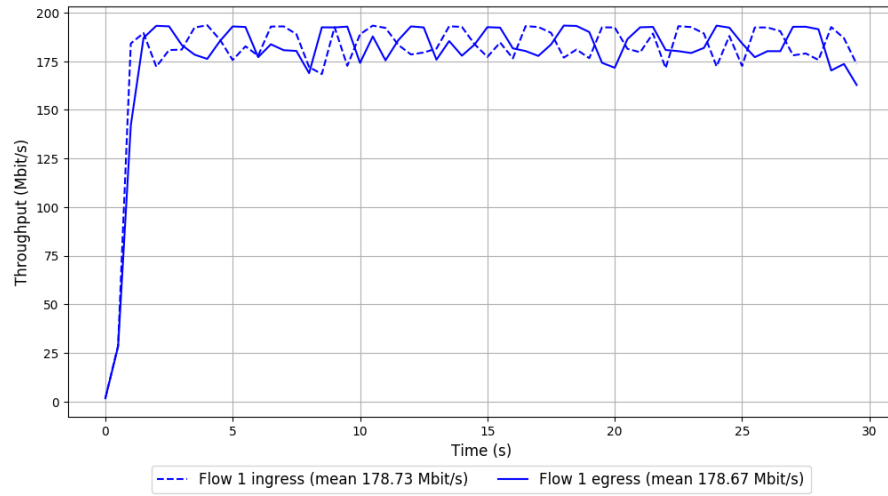
-- Flow 1:

Average throughput: 178.67 Mbit/s

95th percentile per-packet one-way delay: 77.865 ms

Loss rate: 0.45%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-28 01:52:33

End at: 2018-02-28 01:53:03

Below is generated by plot.py at 2018-02-28 05:51:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.76 Mbit/s

95th percentile per-packet one-way delay: 75.484 ms

Loss rate: 0.45%

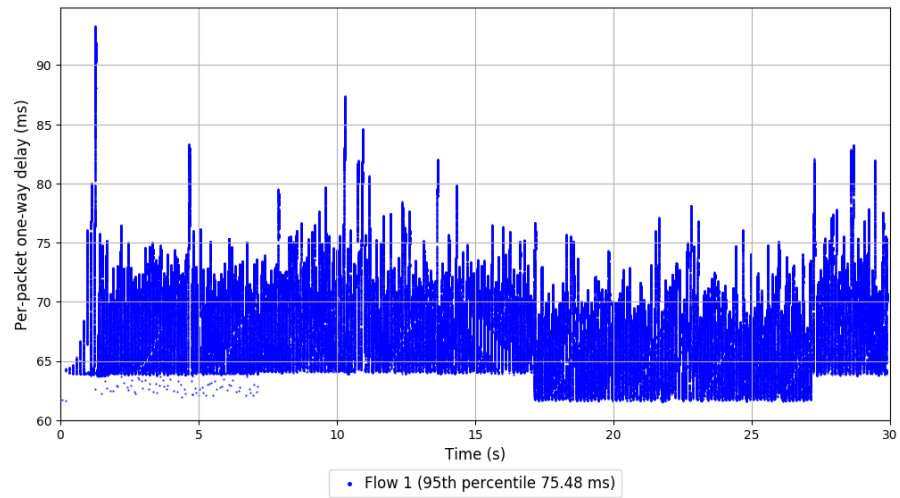
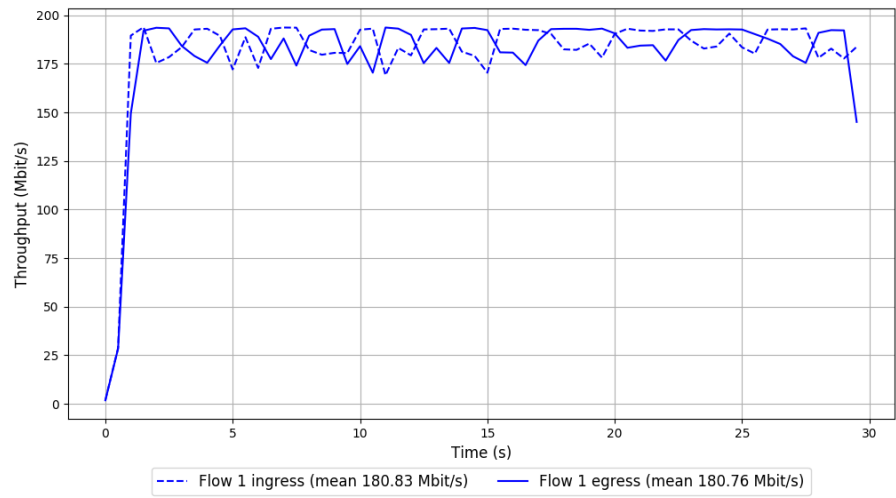
-- Flow 1:

Average throughput: 180.76 Mbit/s

95th percentile per-packet one-way delay: 75.484 ms

Loss rate: 0.45%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-28 02:07:22

End at: 2018-02-28 02:07:52

Below is generated by plot.py at 2018-02-28 05:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.93 Mbit/s

95th percentile per-packet one-way delay: 75.653 ms

Loss rate: 0.27%

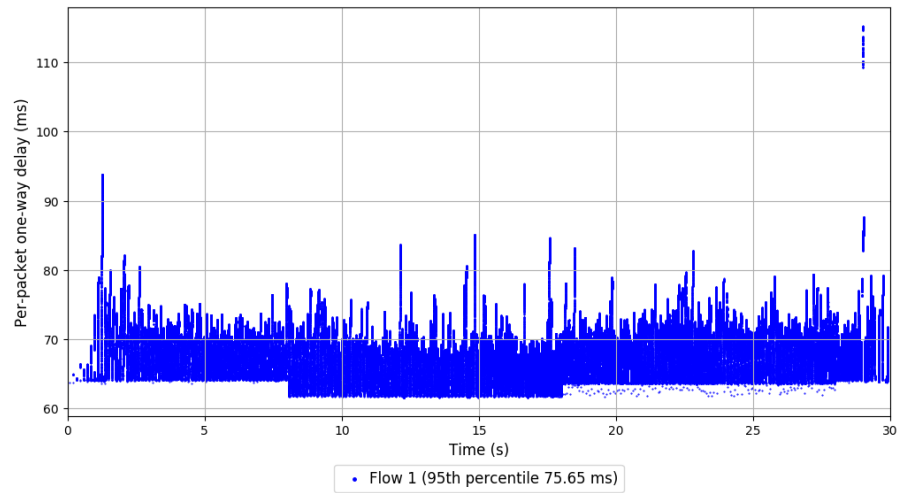
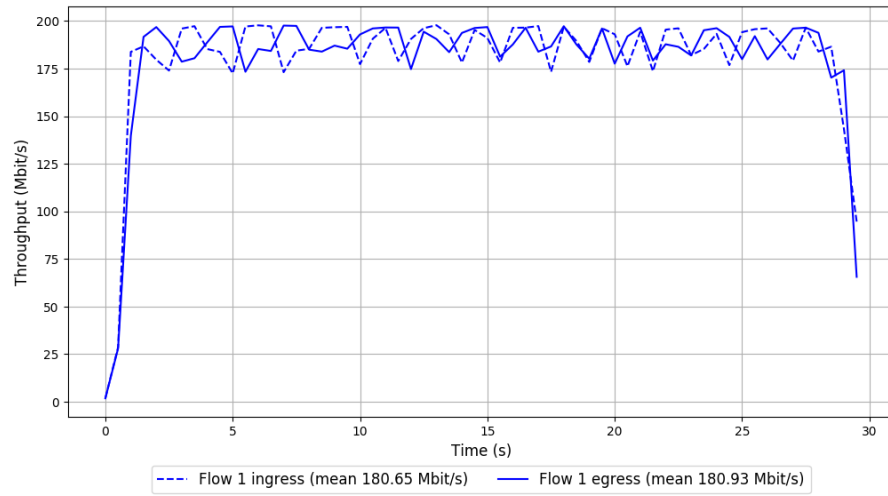
-- Flow 1:

Average throughput: 180.93 Mbit/s

95th percentile per-packet one-way delay: 75.653 ms

Loss rate: 0.27%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-28 02:22:04

End at: 2018-02-28 02:22:34

Below is generated by plot.py at 2018-02-28 05:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.99 Mbit/s

95th percentile per-packet one-way delay: 76.242 ms

Loss rate: 0.44%

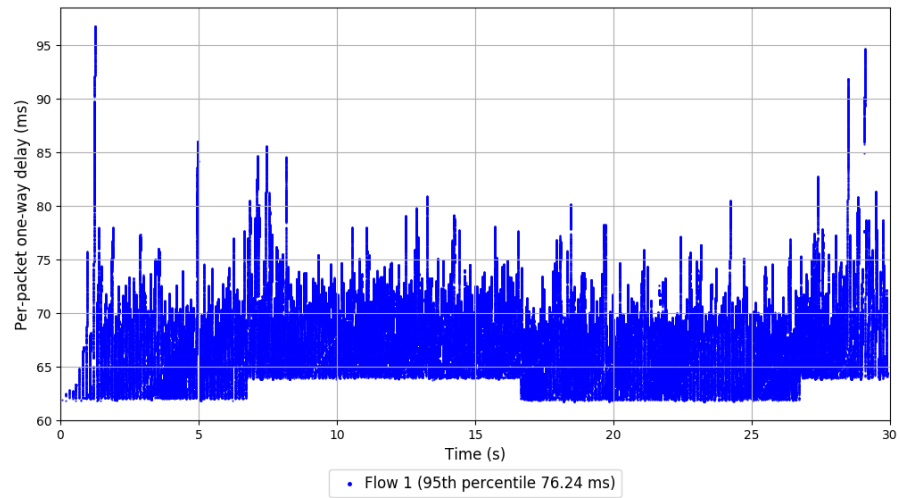
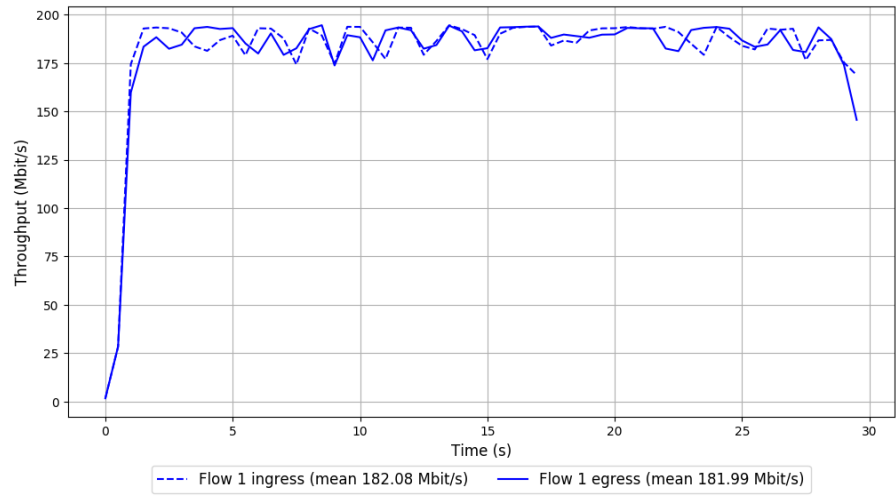
-- Flow 1:

Average throughput: 181.99 Mbit/s

95th percentile per-packet one-way delay: 76.242 ms

Loss rate: 0.44%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-28 00:10:31

End at: 2018-02-28 00:11:02

Below is generated by plot.py at 2018-02-28 05:54:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.51 Mbit/s

95th percentile per-packet one-way delay: 102.893 ms

Loss rate: 3.04%

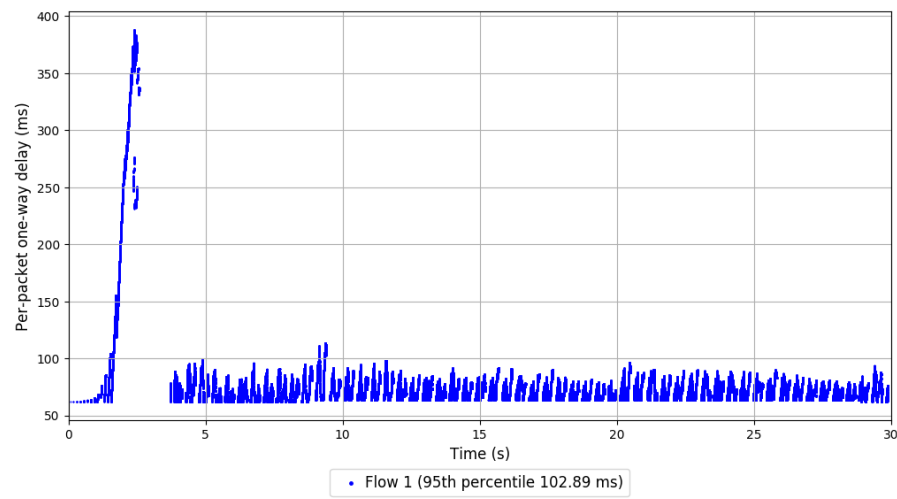
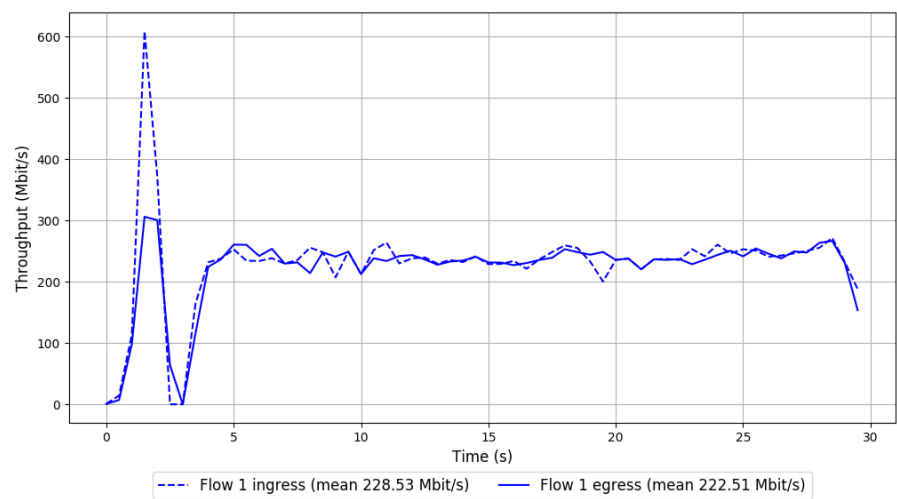
-- Flow 1:

Average throughput: 222.51 Mbit/s

95th percentile per-packet one-way delay: 102.893 ms

Loss rate: 3.04%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-28 00:25:25

End at: 2018-02-28 00:25:55

Below is generated by plot.py at 2018-02-28 05:55:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.11 Mbit/s

95th percentile per-packet one-way delay: 107.340 ms

Loss rate: 1.58%

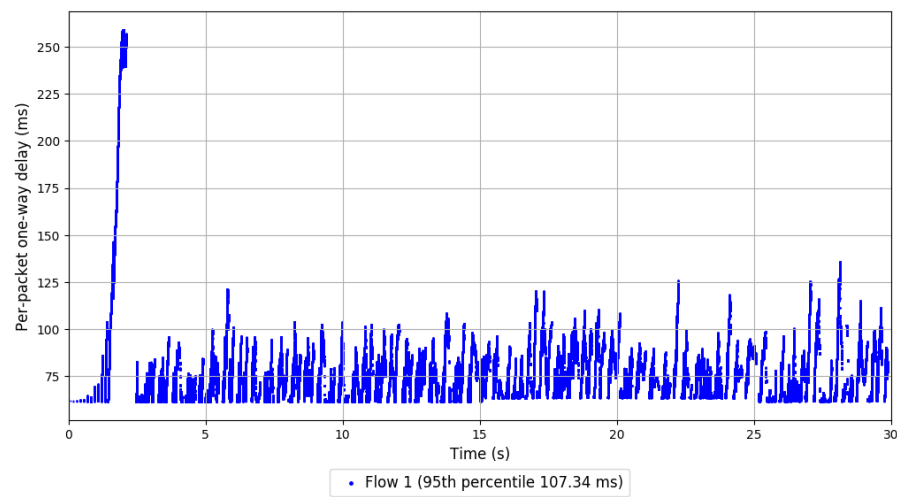
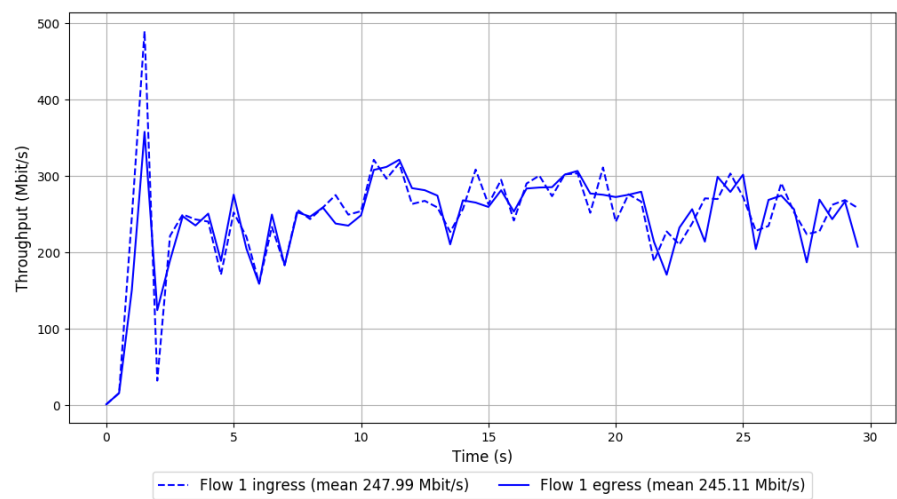
-- Flow 1:

Average throughput: 245.11 Mbit/s

95th percentile per-packet one-way delay: 107.340 ms

Loss rate: 1.58%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-28 00:40:16

End at: 2018-02-28 00:40:46

Below is generated by plot.py at 2018-02-28 05:55:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.96 Mbit/s

95th percentile per-packet one-way delay: 137.868 ms

Loss rate: 3.25%

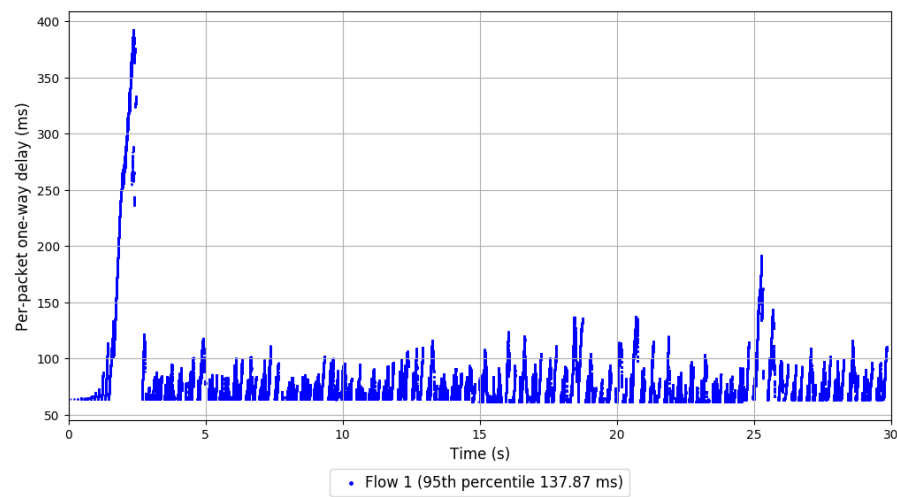
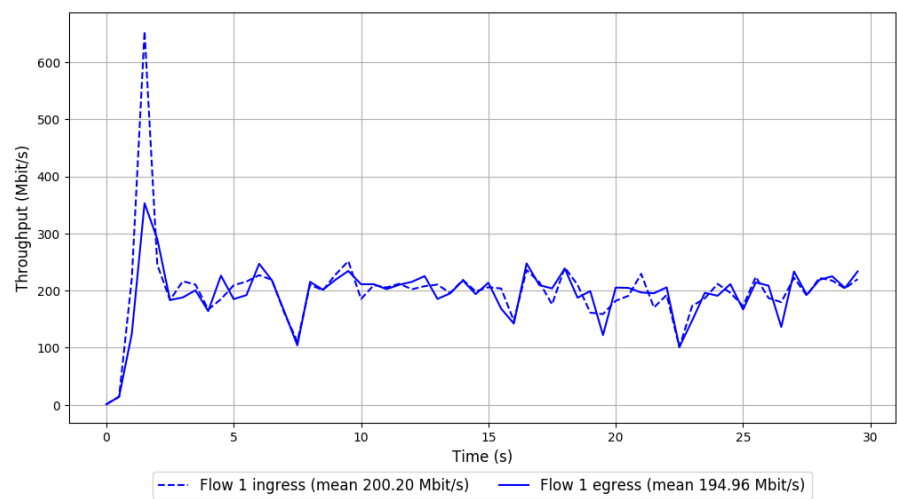
-- Flow 1:

Average throughput: 194.96 Mbit/s

95th percentile per-packet one-way delay: 137.868 ms

Loss rate: 3.25%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-28 00:55:06

End at: 2018-02-28 00:55:36

Below is generated by plot.py at 2018-02-28 05:57:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.42 Mbit/s

95th percentile per-packet one-way delay: 178.815 ms

Loss rate: 1.44%

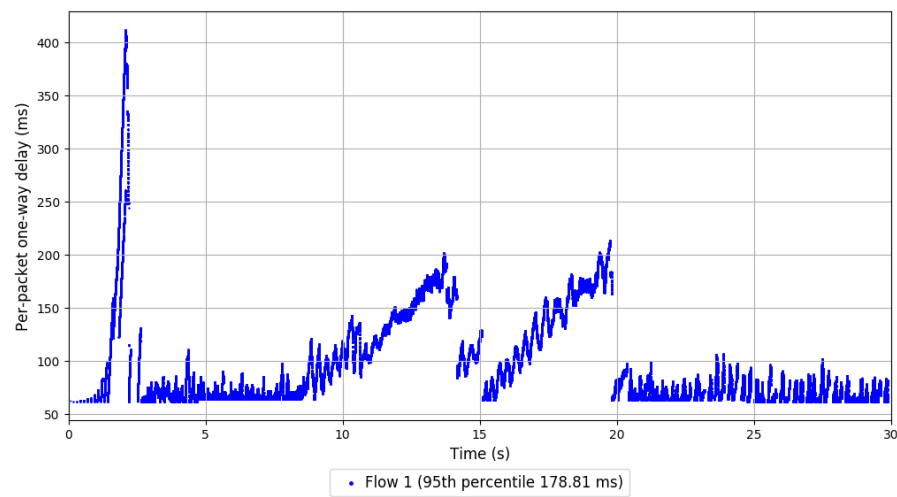
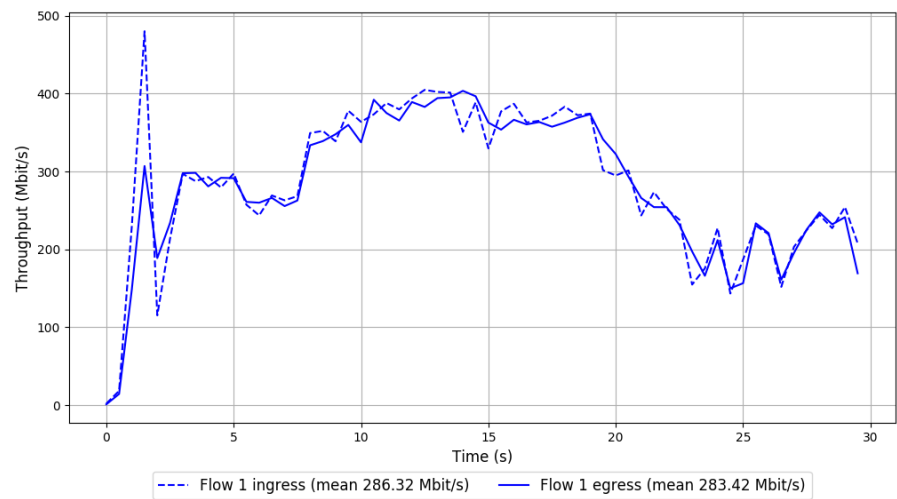
-- Flow 1:

Average throughput: 283.42 Mbit/s

95th percentile per-packet one-way delay: 178.815 ms

Loss rate: 1.44%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-28 01:10:22

End at: 2018-02-28 01:10:52

Below is generated by plot.py at 2018-02-28 05:57:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.69 Mbit/s

95th percentile per-packet one-way delay: 104.904 ms

Loss rate: 1.76%

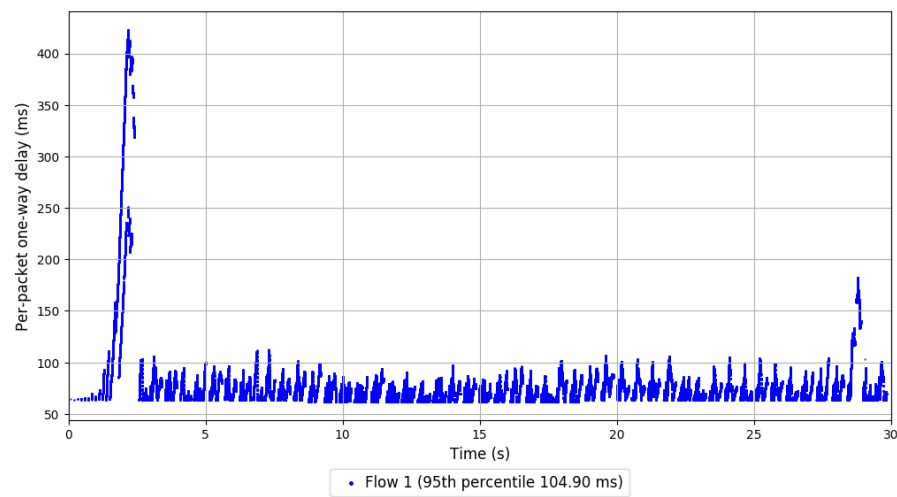
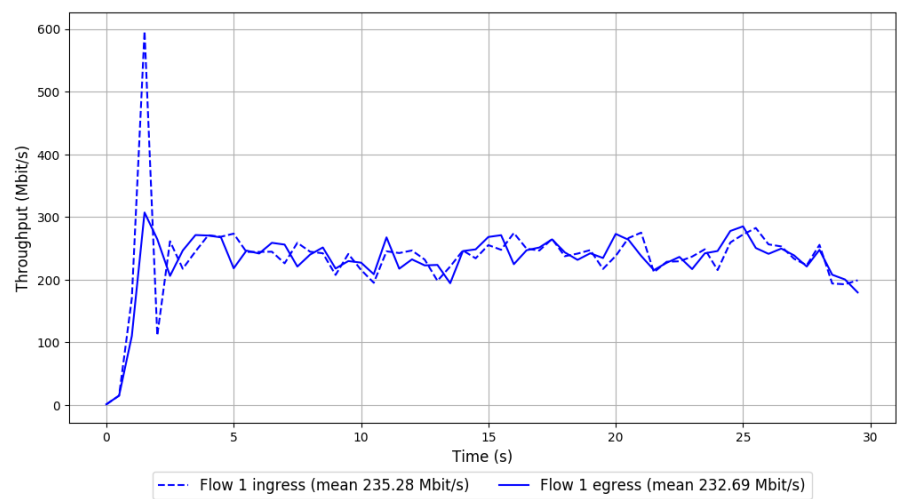
-- Flow 1:

Average throughput: 232.69 Mbit/s

95th percentile per-packet one-way delay: 104.904 ms

Loss rate: 1.76%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-28 01:25:17

End at: 2018-02-28 01:25:47

Below is generated by plot.py at 2018-02-28 05:57:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.18 Mbit/s

95th percentile per-packet one-way delay: 146.226 ms

Loss rate: 2.77%

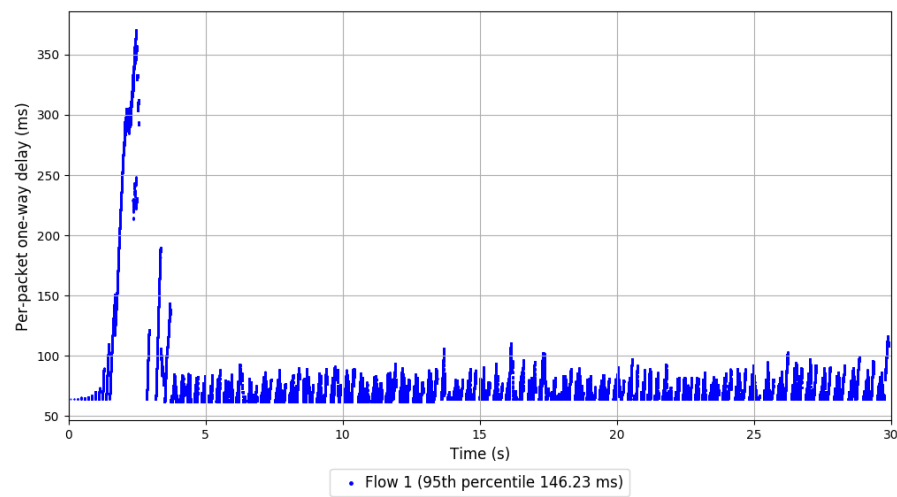
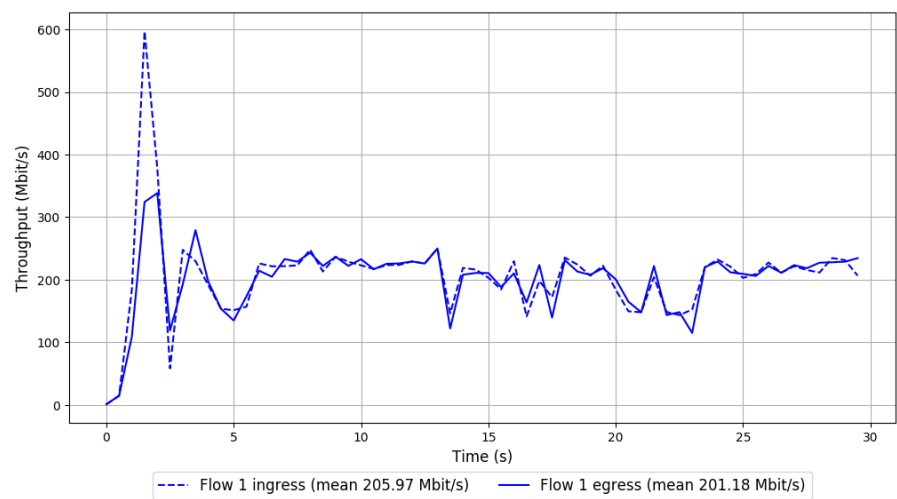
-- Flow 1:

Average throughput: 201.18 Mbit/s

95th percentile per-packet one-way delay: 146.226 ms

Loss rate: 2.77%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-28 01:40:08

End at: 2018-02-28 01:40:38

Below is generated by plot.py at 2018-02-28 05:58:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.65 Mbit/s

95th percentile per-packet one-way delay: 104.062 ms

Loss rate: 2.64%

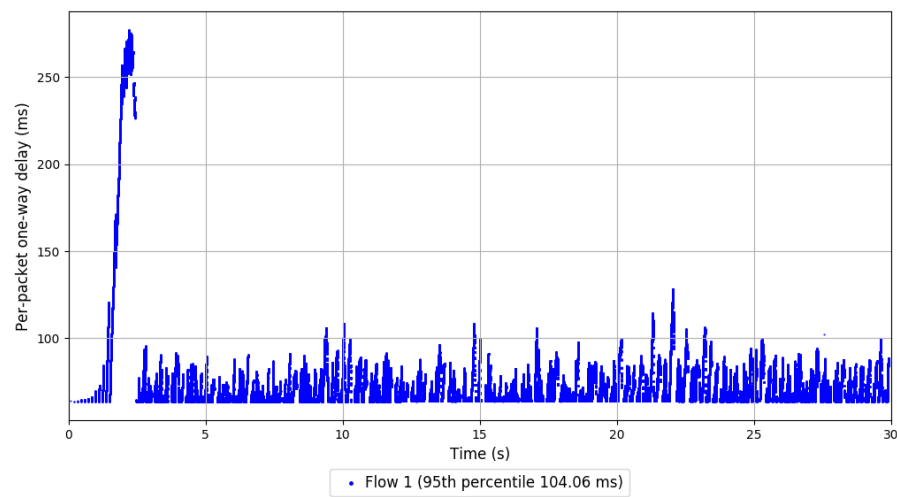
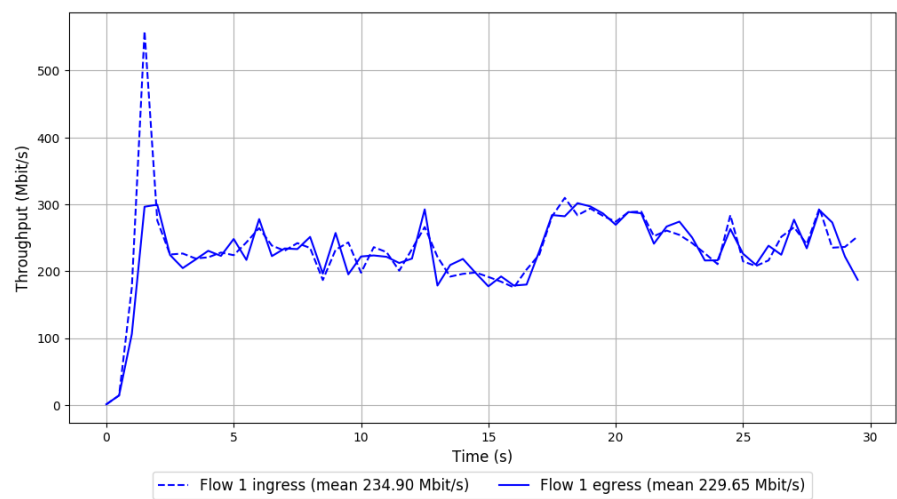
-- Flow 1:

Average throughput: 229.65 Mbit/s

95th percentile per-packet one-way delay: 104.062 ms

Loss rate: 2.64%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-28 01:54:54

End at: 2018-02-28 01:55:24

Below is generated by plot.py at 2018-02-28 05:58:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.44 Mbit/s

95th percentile per-packet one-way delay: 149.812 ms

Loss rate: 3.74%

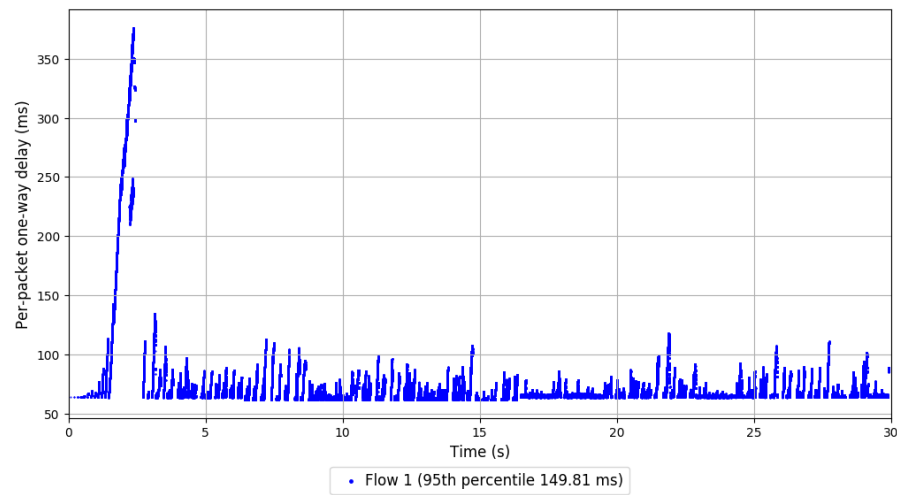
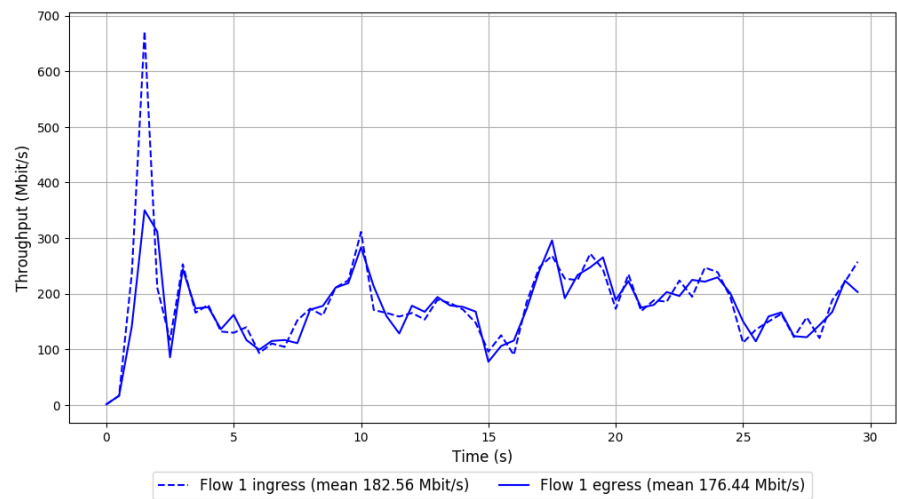
-- Flow 1:

Average throughput: 176.44 Mbit/s

95th percentile per-packet one-way delay: 149.812 ms

Loss rate: 3.74%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-28 02:09:43

End at: 2018-02-28 02:10:13

Below is generated by plot.py at 2018-02-28 05:59:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.77 Mbit/s

95th percentile per-packet one-way delay: 175.587 ms

Loss rate: 1.83%

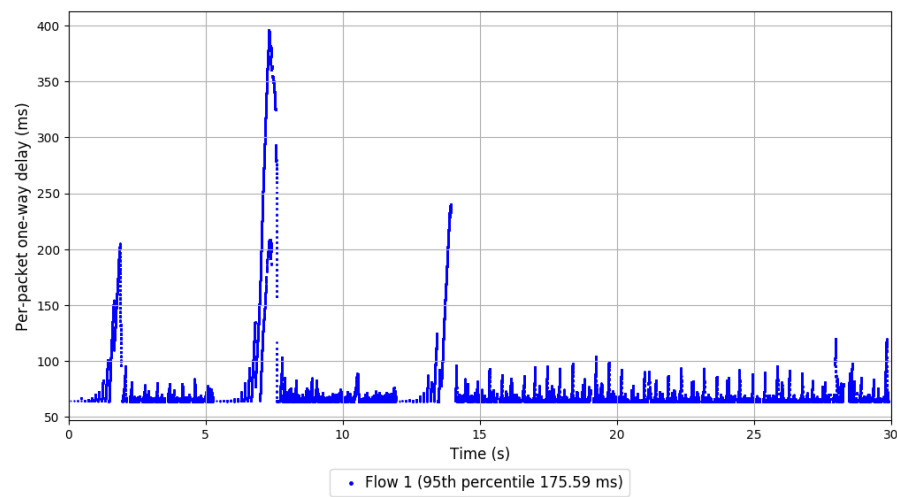
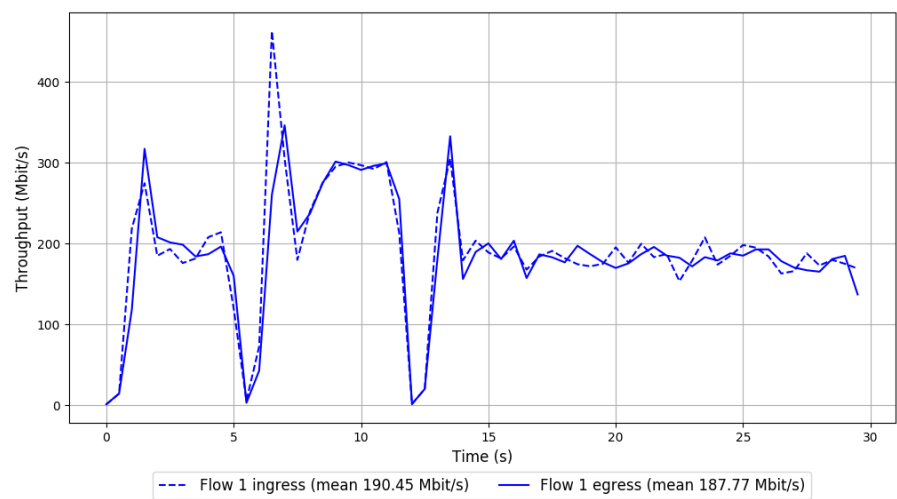
-- Flow 1:

Average throughput: 187.77 Mbit/s

95th percentile per-packet one-way delay: 175.587 ms

Loss rate: 1.83%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-28 02:24:23

End at: 2018-02-28 02:24:53

Below is generated by plot.py at 2018-02-28 06:00:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.97 Mbit/s

95th percentile per-packet one-way delay: 139.328 ms

Loss rate: 3.41%

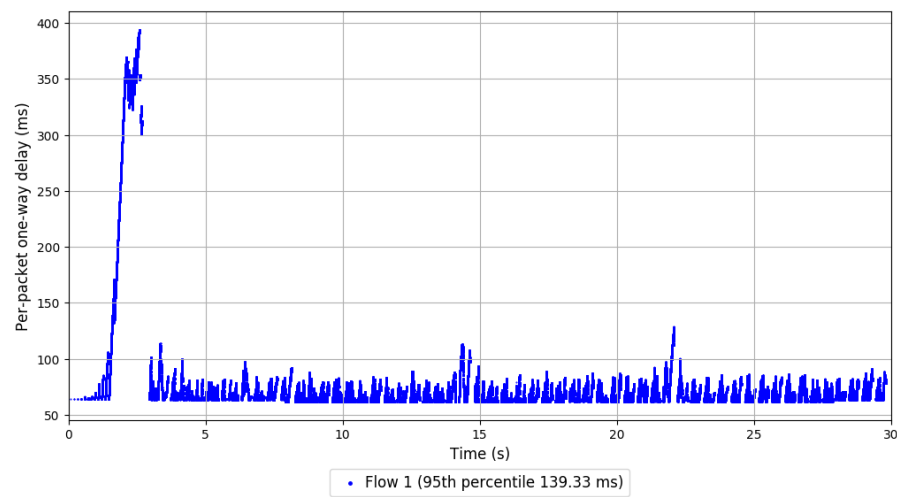
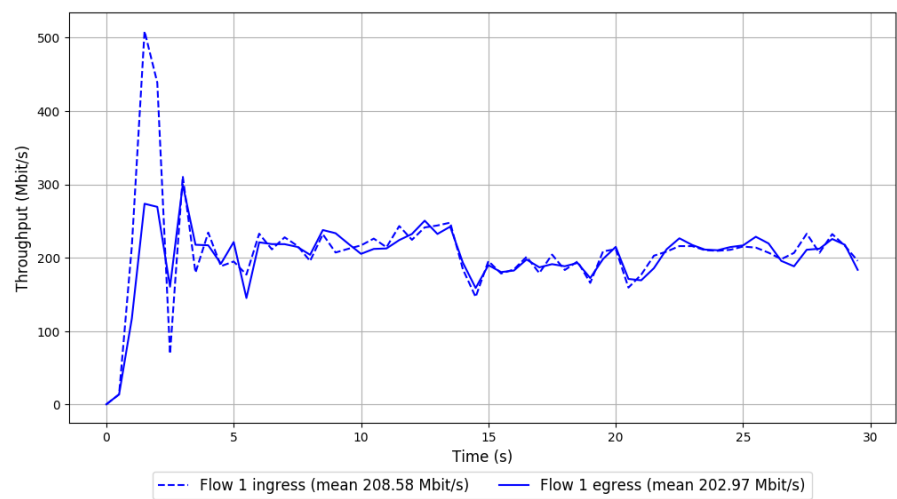
-- Flow 1:

Average throughput: 202.97 Mbit/s

95th percentile per-packet one-way delay: 139.328 ms

Loss rate: 3.41%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-28 00:05:13

End at: 2018-02-28 00:05:43

Below is generated by plot.py at 2018-02-28 06:00:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.04 Mbit/s

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

Loss rate: 0.32%

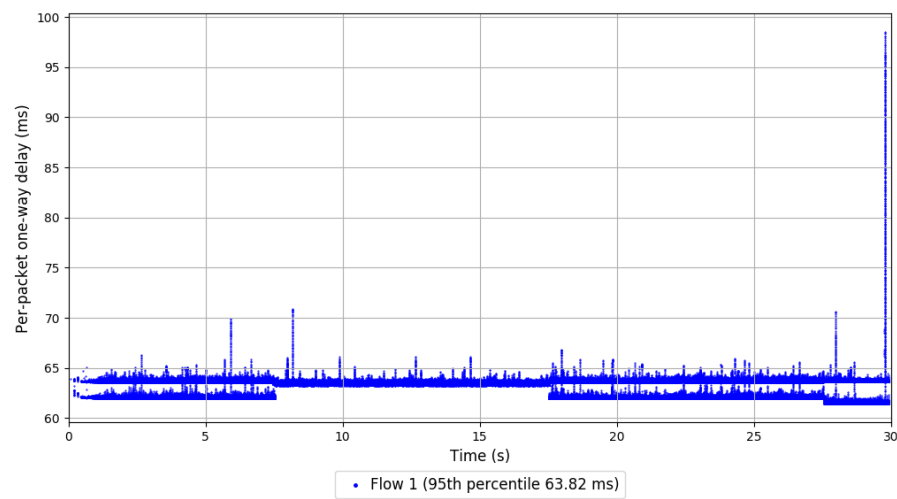
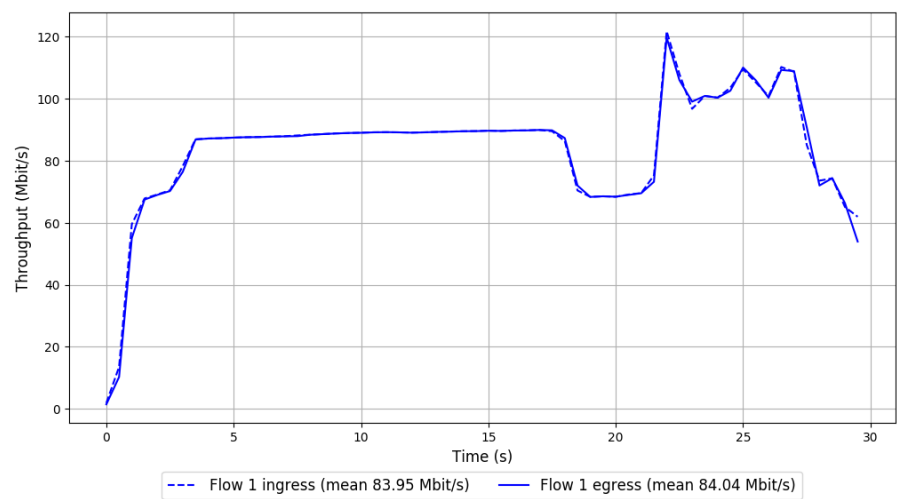
-- Flow 1:

Average throughput: 84.04 Mbit/s

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

Loss rate: 0.32%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-28 00:19:59

End at: 2018-02-28 00:20:29

Below is generated by plot.py at 2018-02-28 06:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.30 Mbit/s

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

Loss rate: 0.25%

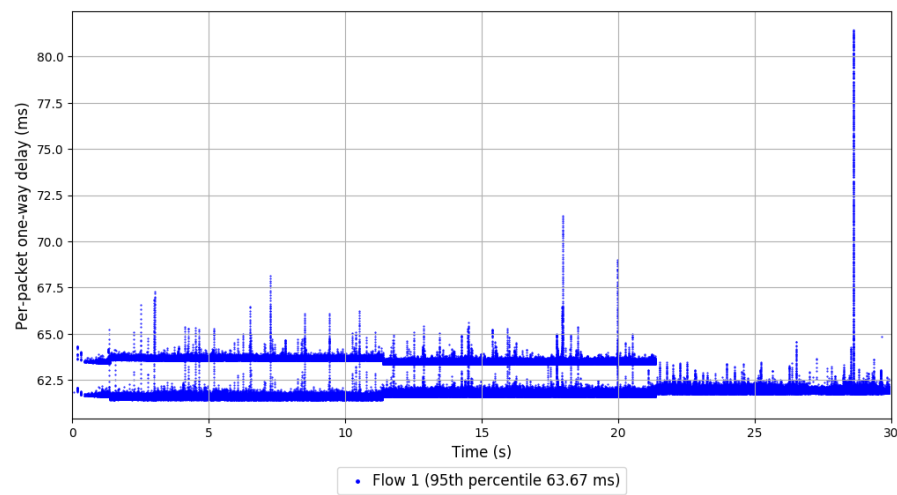
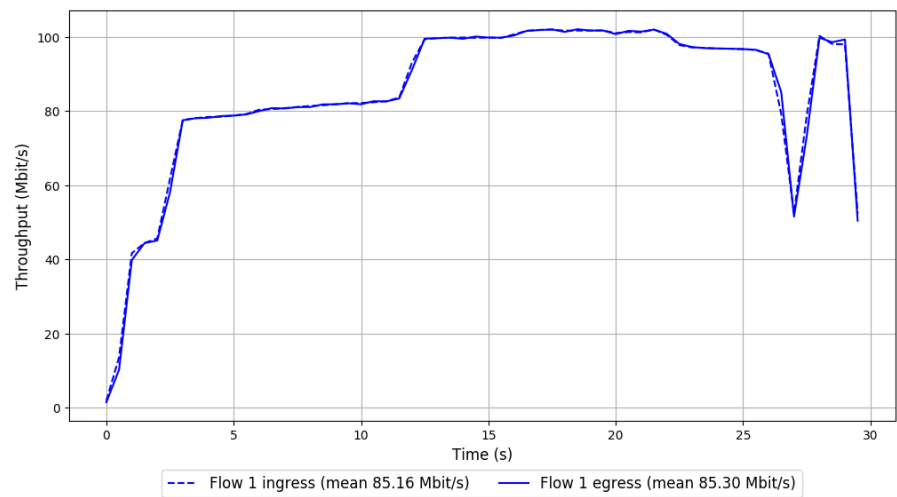
-- Flow 1:

Average throughput: 85.30 Mbit/s

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

Loss rate: 0.25%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-28 00:34:56

End at: 2018-02-28 00:35:26

Below is generated by plot.py at 2018-02-28 06:01:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 63.754 ms

Loss rate: 0.43%

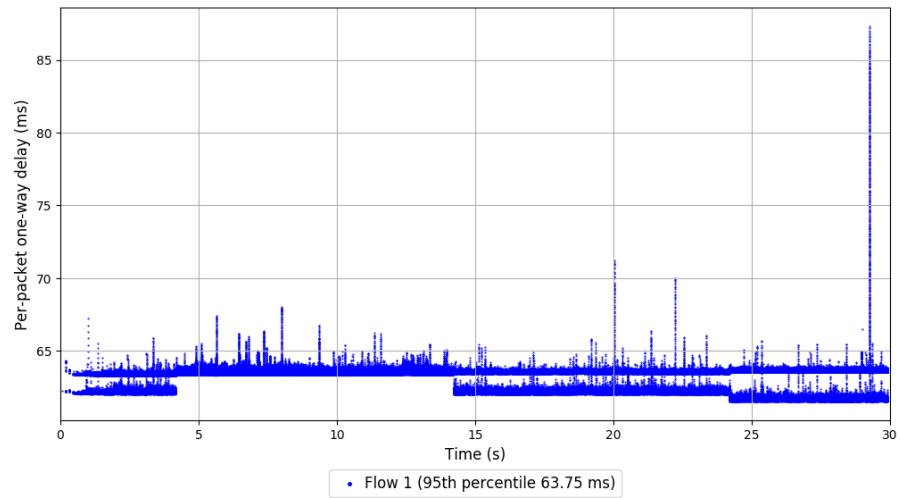
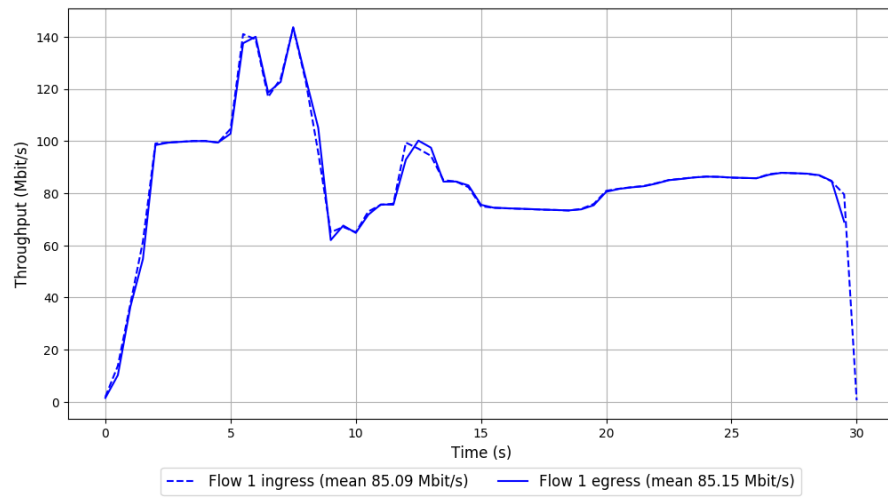
-- Flow 1:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 63.754 ms

Loss rate: 0.43%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-28 00:49:29

End at: 2018-02-28 00:49:59

Below is generated by plot.py at 2018-02-28 06:01:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 64.008 ms

Loss rate: 0.20%

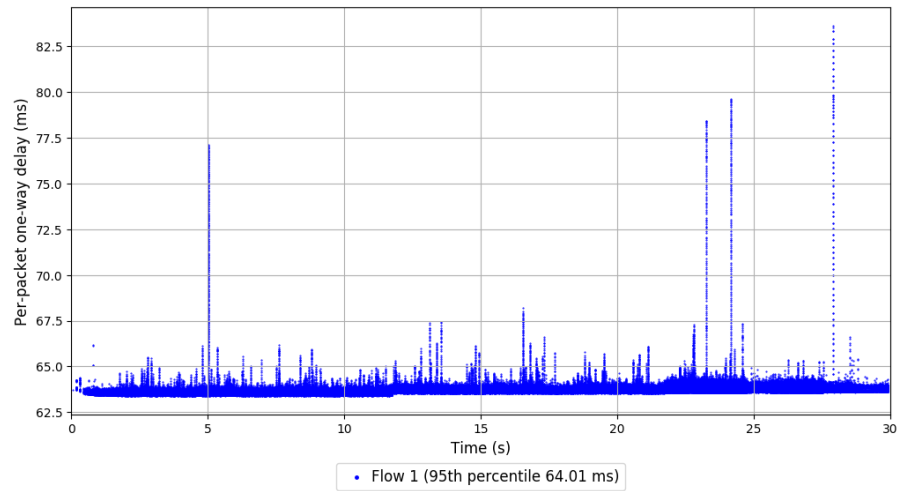
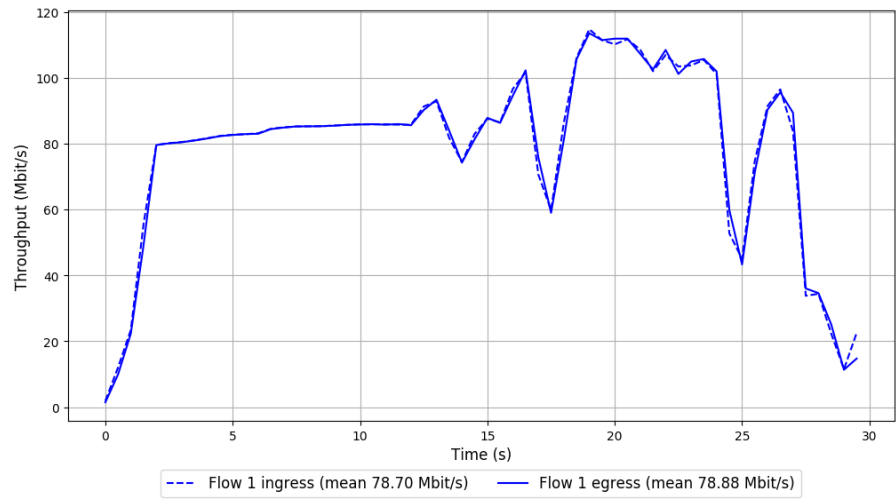
-- Flow 1:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 64.008 ms

Loss rate: 0.20%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-28 01:04:58

End at: 2018-02-28 01:05:28

Below is generated by plot.py at 2018-02-28 06:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 63.801 ms

Loss rate: 0.45%

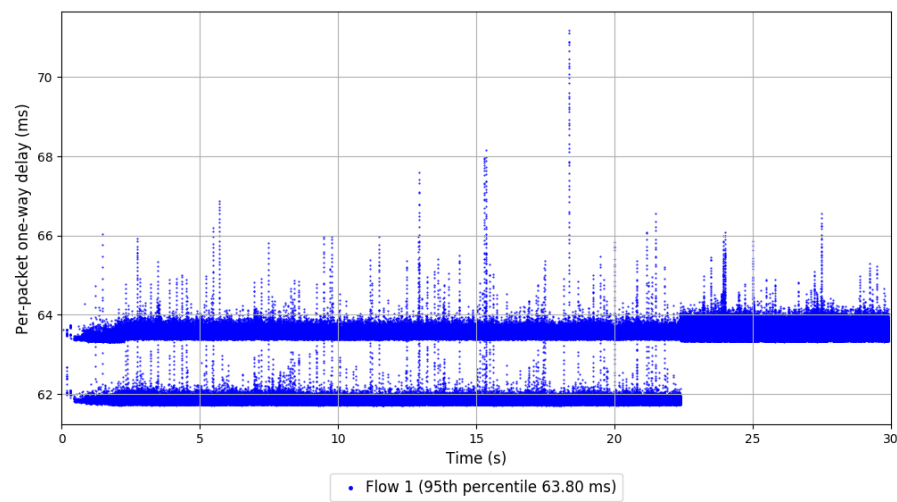
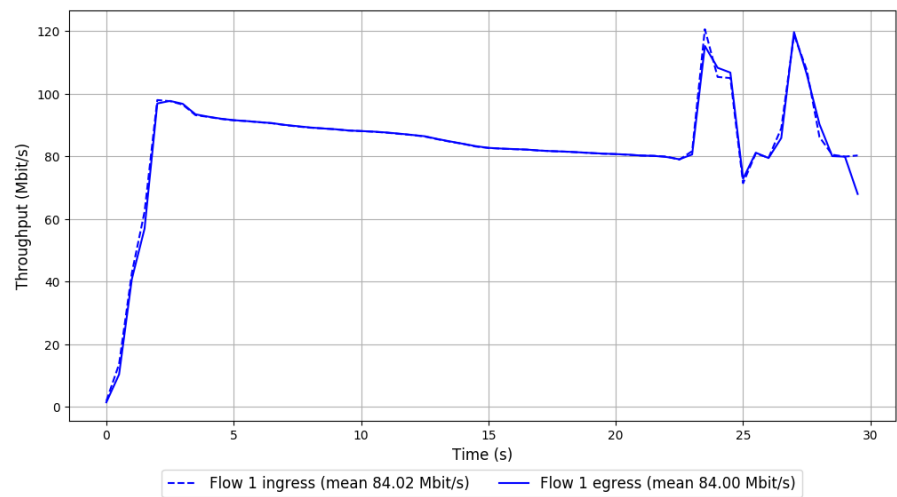
-- Flow 1:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 63.801 ms

Loss rate: 0.45%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-28 01:19:55

End at: 2018-02-28 01:20:25

Below is generated by plot.py at 2018-02-28 06:02:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.80 Mbit/s

95th percentile per-packet one-way delay: 63.859 ms

Loss rate: 0.57%

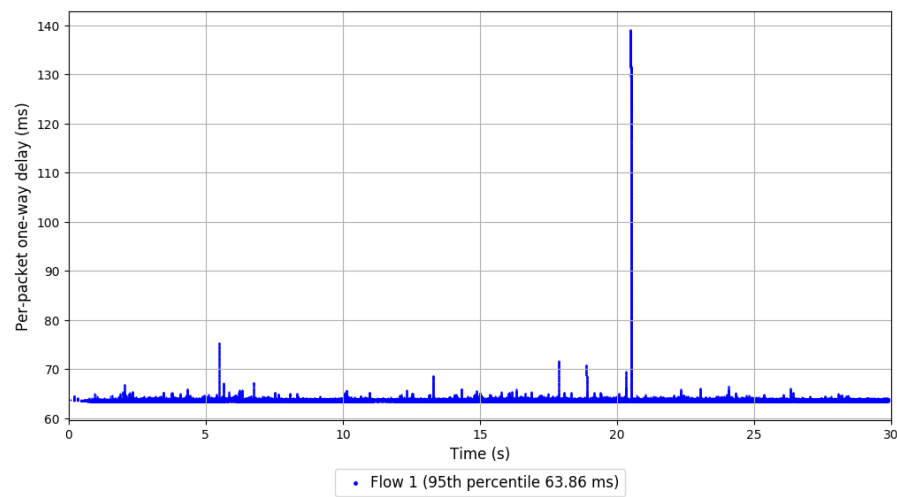
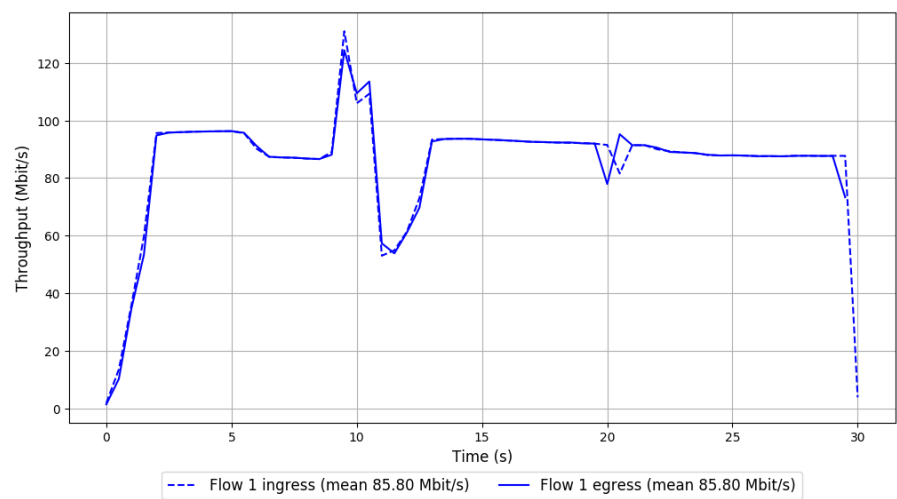
-- Flow 1:

Average throughput: 85.80 Mbit/s

95th percentile per-packet one-way delay: 63.859 ms

Loss rate: 0.57%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-28 01:34:42

End at: 2018-02-28 01:35:12

Below is generated by plot.py at 2018-02-28 06:03:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 63.871 ms

Loss rate: 0.27%

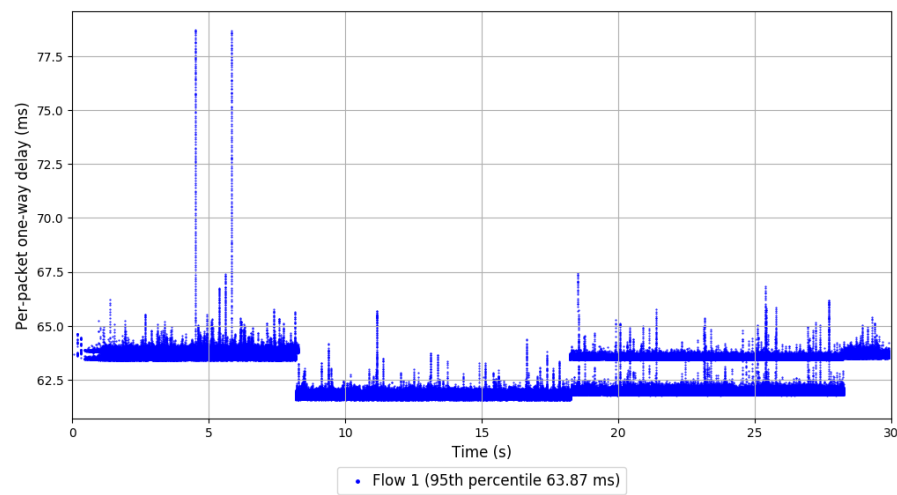
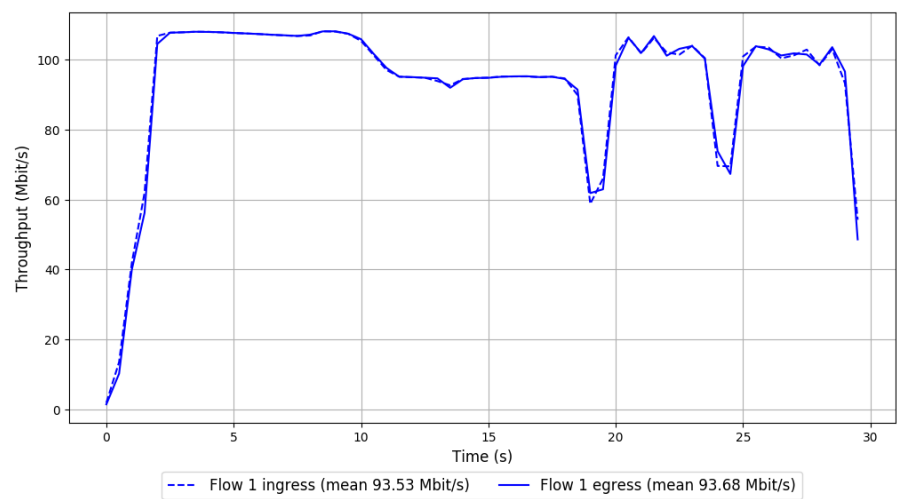
-- Flow 1:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 63.871 ms

Loss rate: 0.27%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-28 01:49:32

End at: 2018-02-28 01:50:02

Below is generated by plot.py at 2018-02-28 06:03:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 63.864 ms

Loss rate: 0.69%

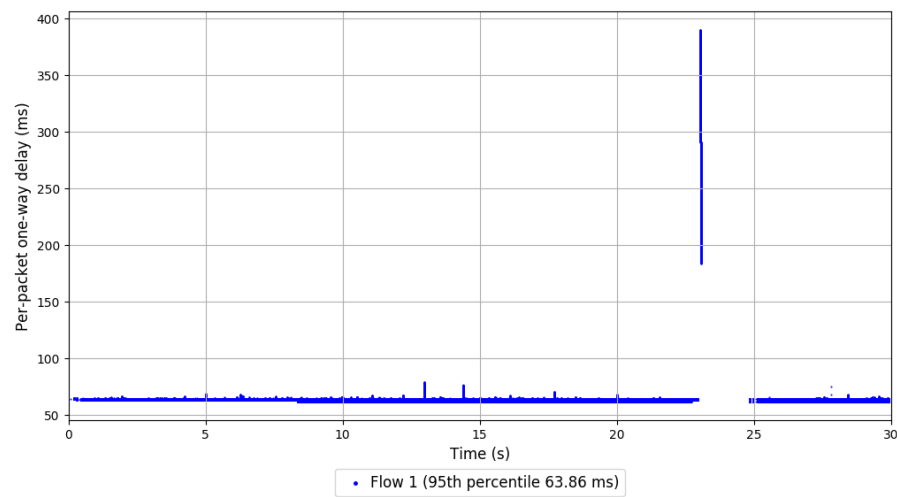
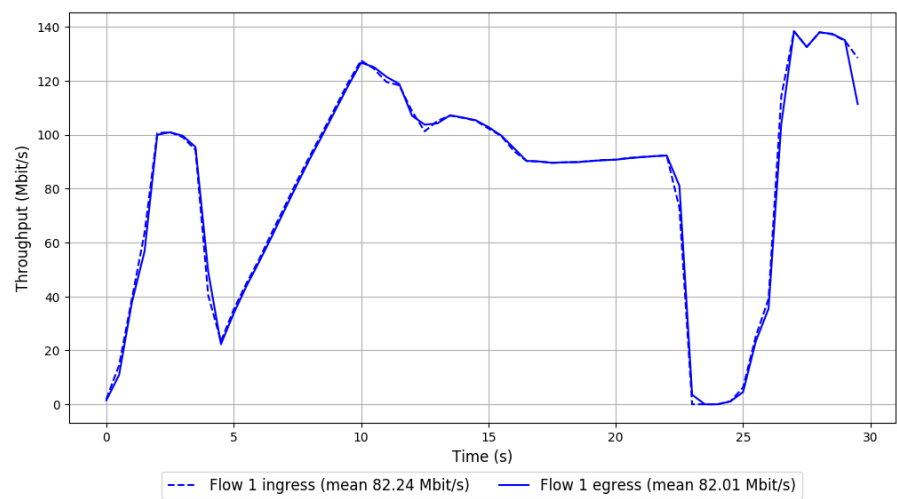
-- Flow 1:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 63.864 ms

Loss rate: 0.69%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-28 02:04:21

End at: 2018-02-28 02:04:51

Below is generated by plot.py at 2018-02-28 06:04:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.41 Mbit/s

95th percentile per-packet one-way delay: 64.094 ms

Loss rate: 0.31%

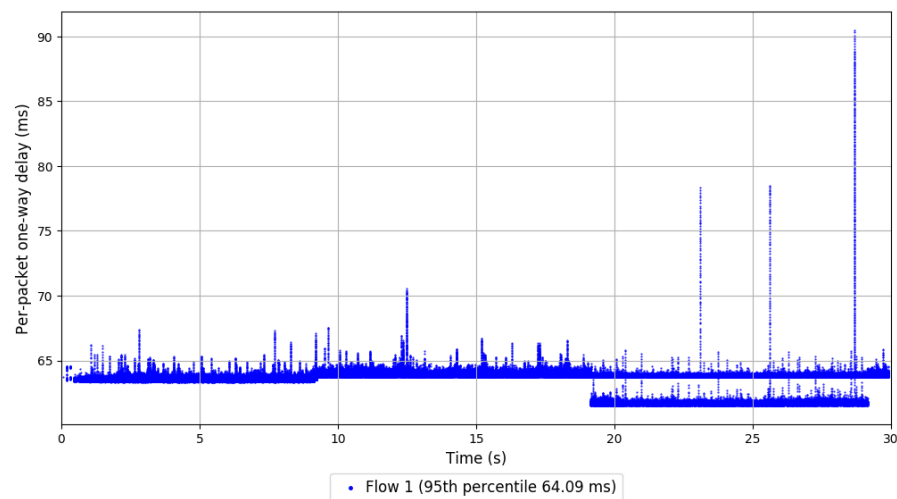
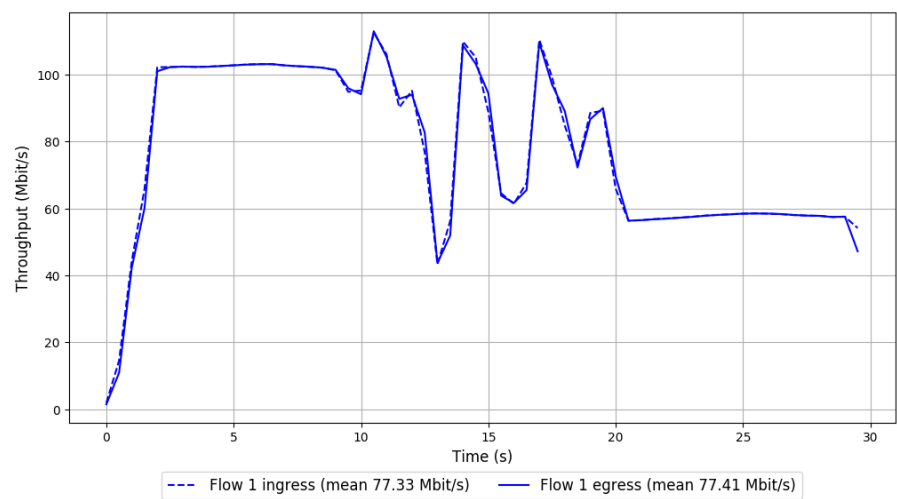
-- Flow 1:

Average throughput: 77.41 Mbit/s

95th percentile per-packet one-way delay: 64.094 ms

Loss rate: 0.31%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-28 02:18:59

End at: 2018-02-28 02:19:29

Below is generated by plot.py at 2018-02-28 06:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.87 Mbit/s

95th percentile per-packet one-way delay: 64.065 ms

Loss rate: 0.29%

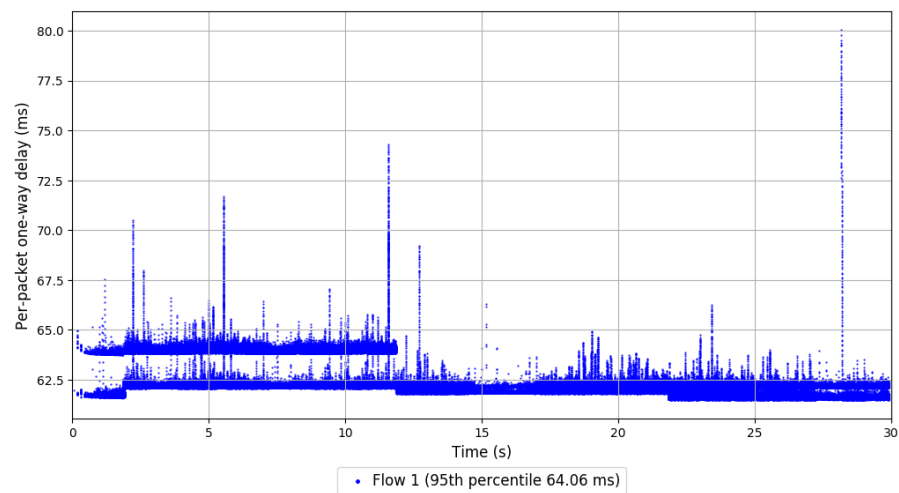
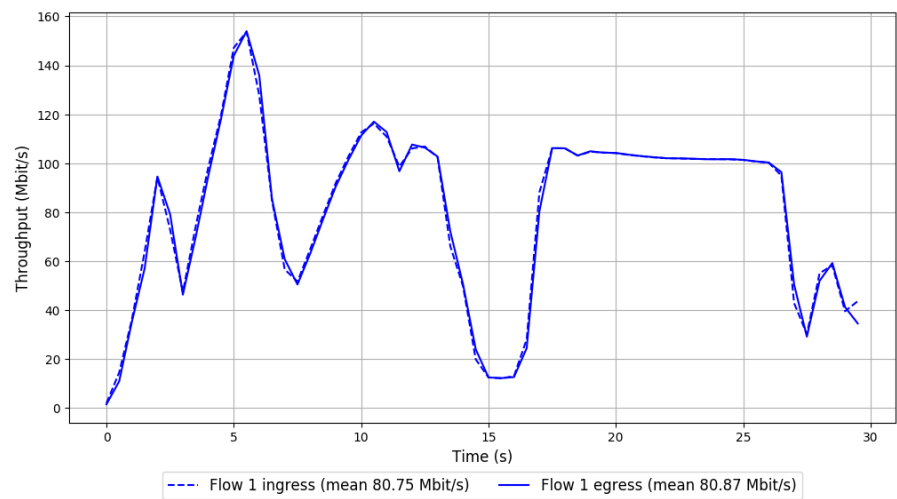
-- Flow 1:

Average throughput: 80.87 Mbit/s

95th percentile per-packet one-way delay: 64.065 ms

Loss rate: 0.29%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-28 00:02:27

End at: 2018-02-28 00:02:57

Below is generated by plot.py at 2018-02-28 06:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 762.18 Mbit/s

95th percentile per-packet one-way delay: 173.931 ms

Loss rate: 13.09%

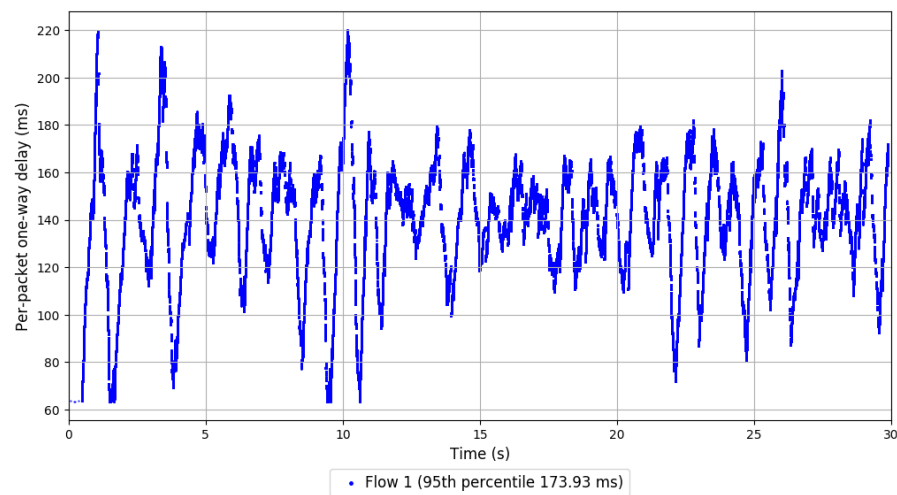
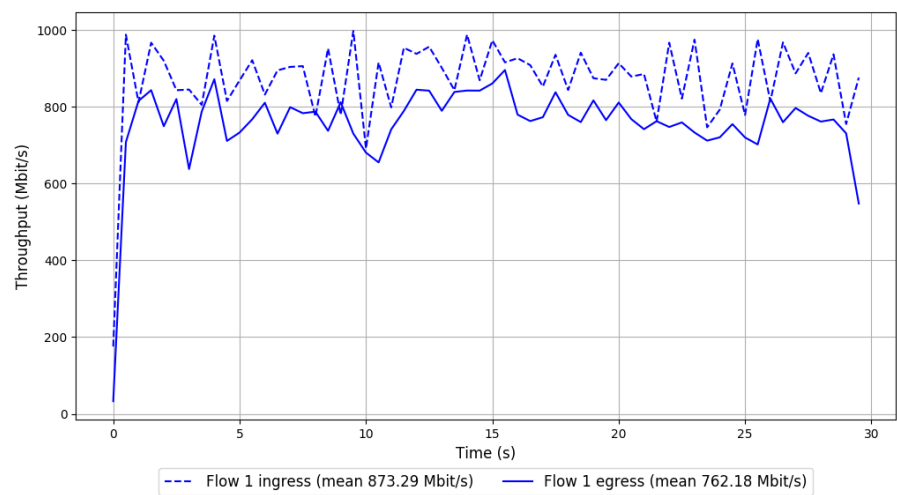
-- Flow 1:

Average throughput: 762.18 Mbit/s

95th percentile per-packet one-way delay: 173.931 ms

Loss rate: 13.09%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-28 00:17:16

End at: 2018-02-28 00:17:46

Below is generated by plot.py at 2018-02-28 06:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 713.34 Mbit/s

95th percentile per-packet one-way delay: 181.984 ms

Loss rate: 15.47%

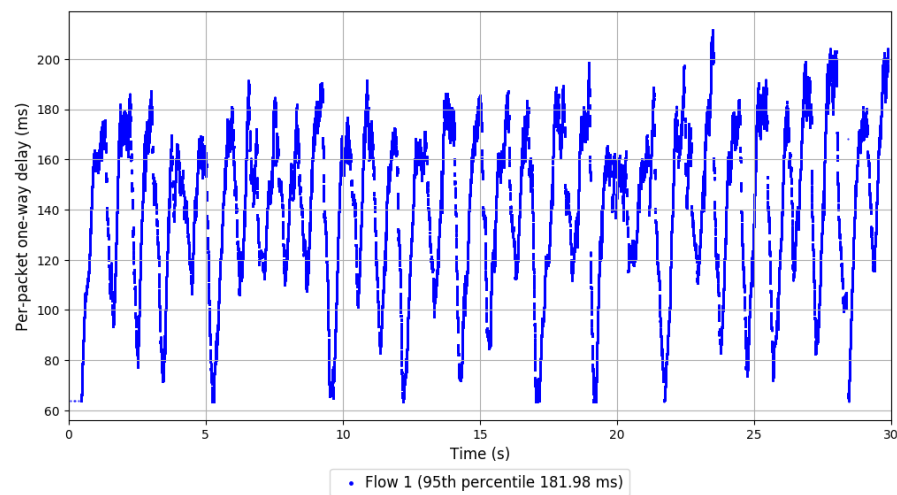
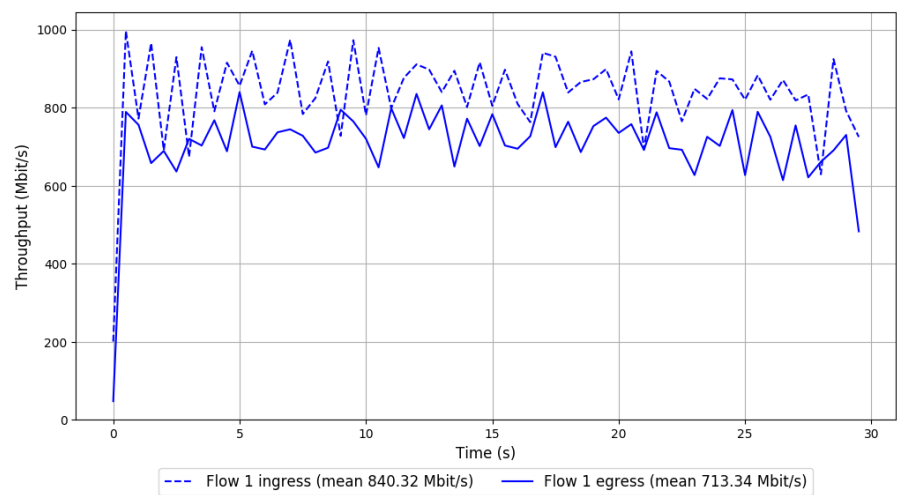
-- Flow 1:

Average throughput: 713.34 Mbit/s

95th percentile per-packet one-way delay: 181.984 ms

Loss rate: 15.47%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-28 00:32:10

End at: 2018-02-28 00:32:40

Below is generated by plot.py at 2018-02-28 06:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.86 Mbit/s

95th percentile per-packet one-way delay: 158.416 ms

Loss rate: 12.25%

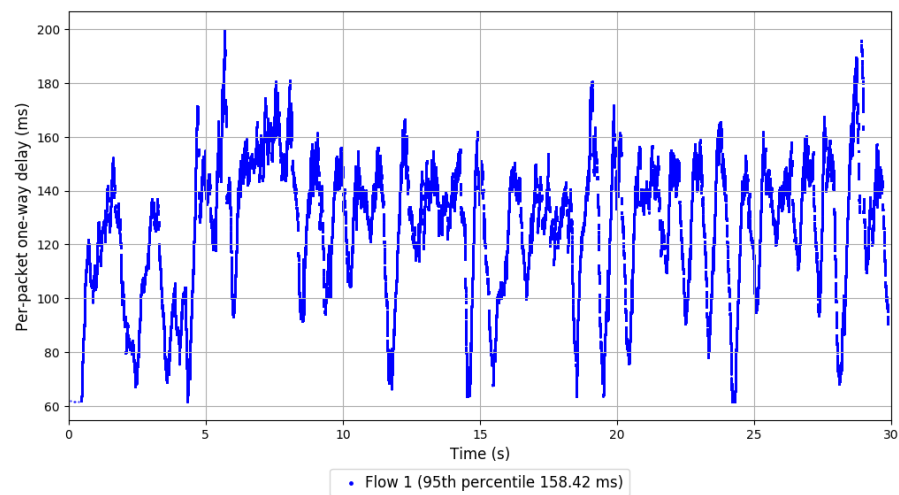
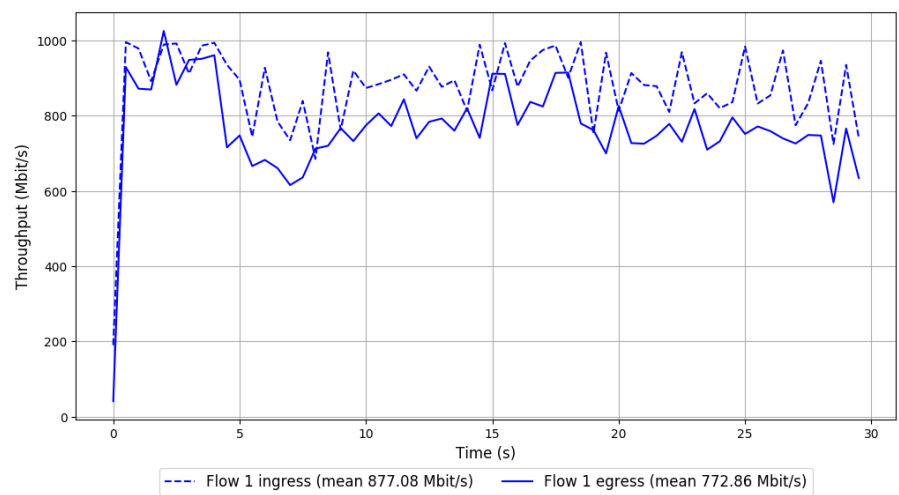
-- Flow 1:

Average throughput: 772.86 Mbit/s

95th percentile per-packet one-way delay: 158.416 ms

Loss rate: 12.25%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-28 00:46:45

End at: 2018-02-28 00:47:15

Below is generated by plot.py at 2018-02-28 06:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 682.58 Mbit/s

95th percentile per-packet one-way delay: 229.862 ms

Loss rate: 16.73%

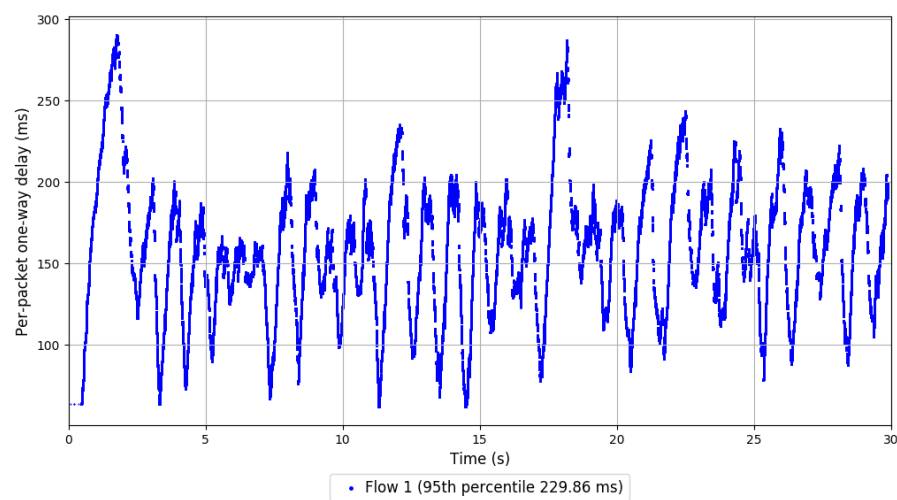
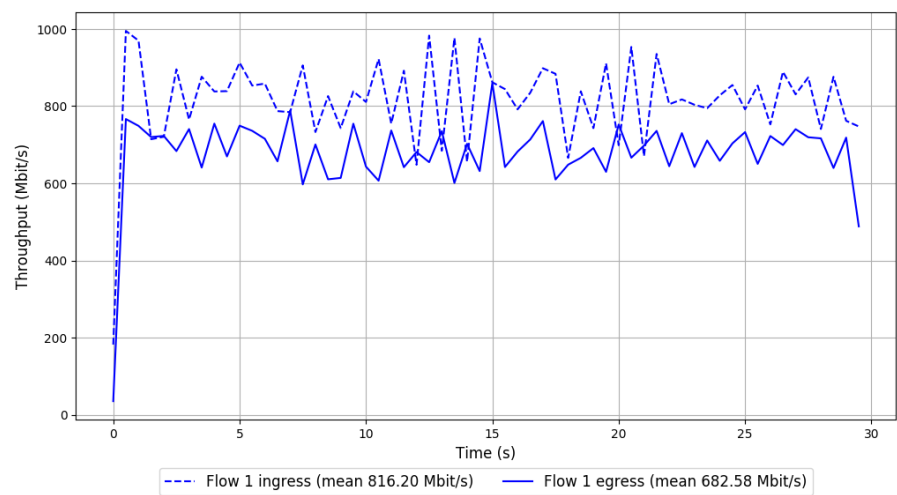
-- Flow 1:

Average throughput: 682.58 Mbit/s

95th percentile per-packet one-way delay: 229.862 ms

Loss rate: 16.73%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-28 01:02:11

End at: 2018-02-28 01:02:41

Below is generated by plot.py at 2018-02-28 06:26:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 724.88 Mbit/s

95th percentile per-packet one-way delay: 181.491 ms

Loss rate: 15.56%

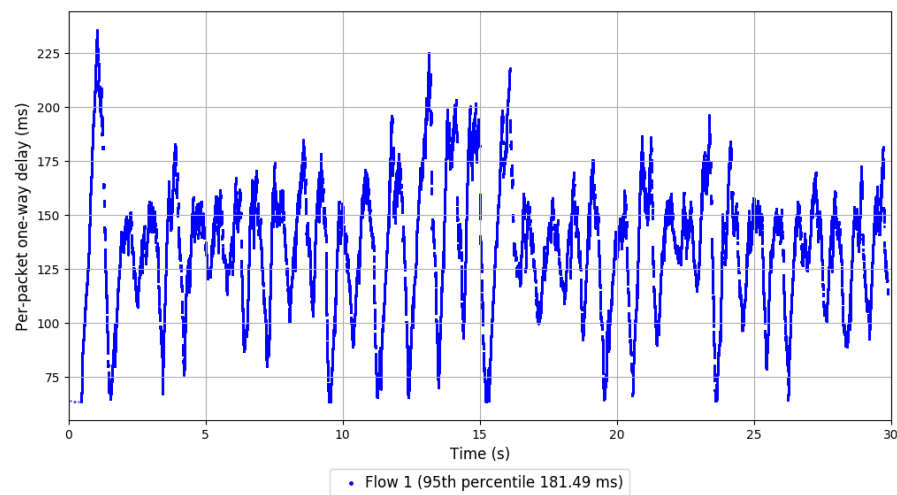
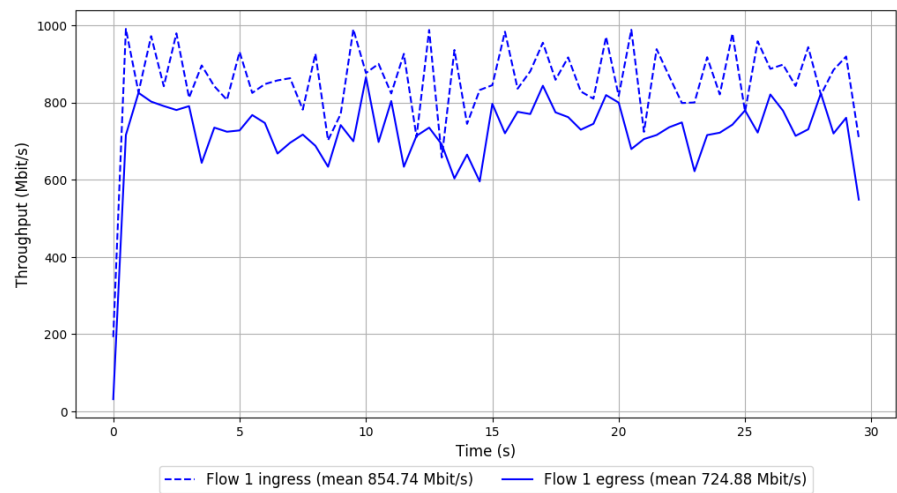
-- Flow 1:

Average throughput: 724.88 Mbit/s

95th percentile per-packet one-way delay: 181.491 ms

Loss rate: 15.56%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-28 01:17:11

End at: 2018-02-28 01:17:41

Below is generated by plot.py at 2018-02-28 06:26:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 745.28 Mbit/s

95th percentile per-packet one-way delay: 179.522 ms

Loss rate: 13.44%

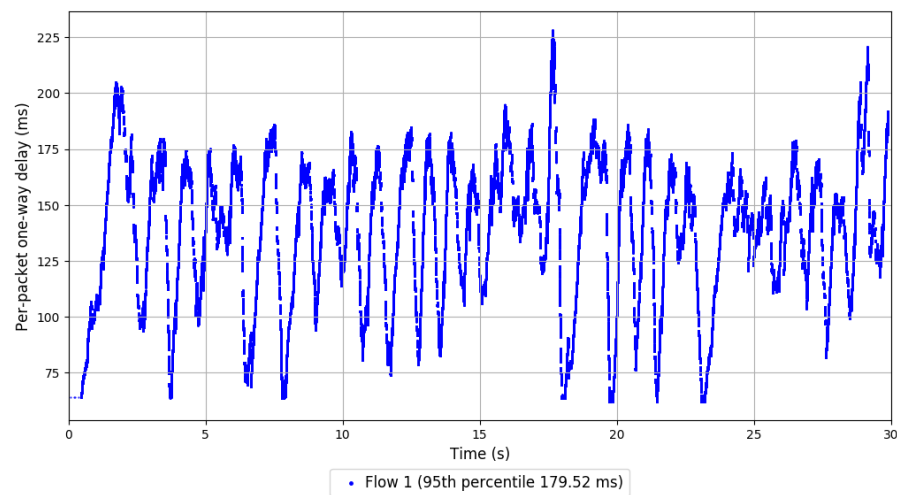
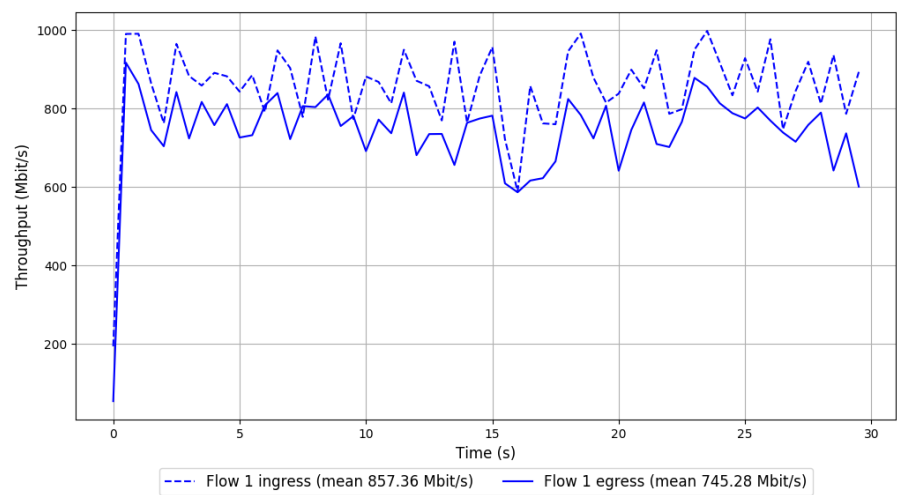
-- Flow 1:

Average throughput: 745.28 Mbit/s

95th percentile per-packet one-way delay: 179.522 ms

Loss rate: 13.44%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-28 01:31:57

End at: 2018-02-28 01:32:27

Below is generated by plot.py at 2018-02-28 06:26:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 698.37 Mbit/s

95th percentile per-packet one-way delay: 175.775 ms

Loss rate: 16.82%

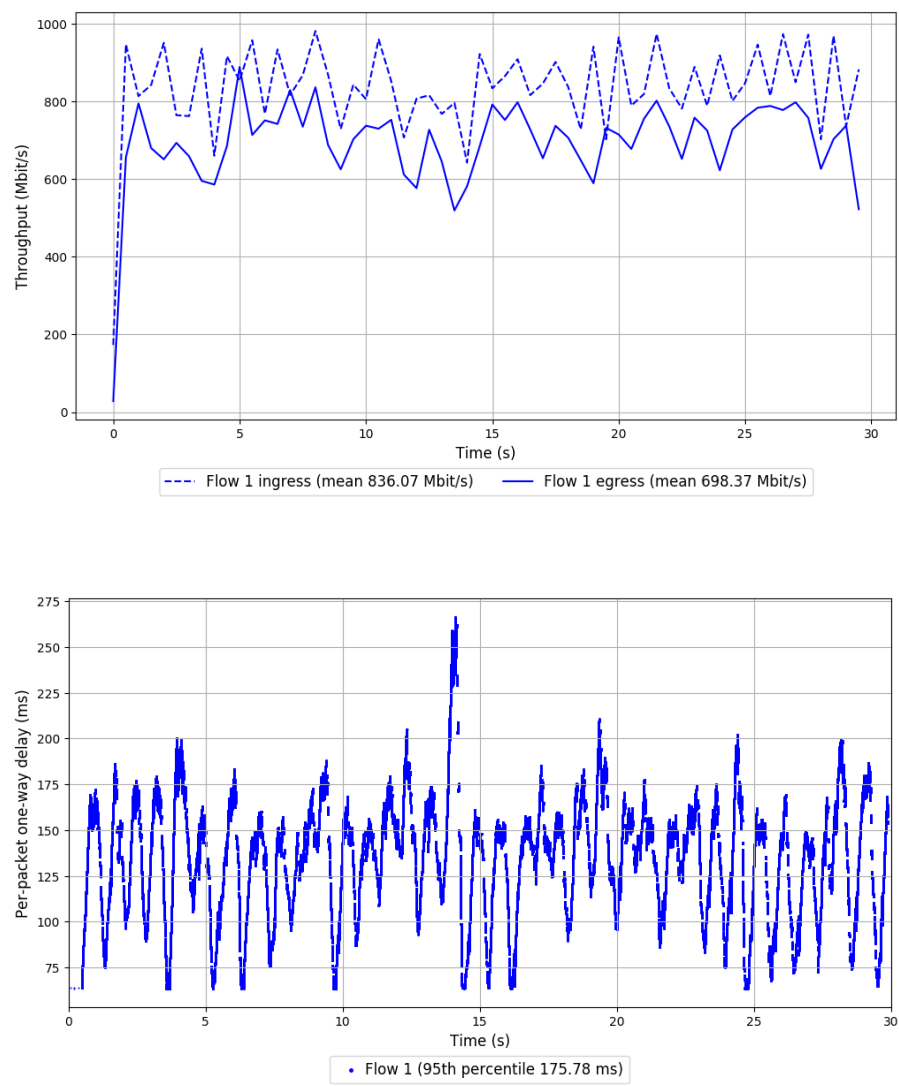
-- Flow 1:

Average throughput: 698.37 Mbit/s

95th percentile per-packet one-way delay: 175.775 ms

Loss rate: 16.82%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-28 01:46:49

End at: 2018-02-28 01:47:19

Below is generated by plot.py at 2018-02-28 06:27:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 733.83 Mbit/s

95th percentile per-packet one-way delay: 243.459 ms

Loss rate: 14.73%

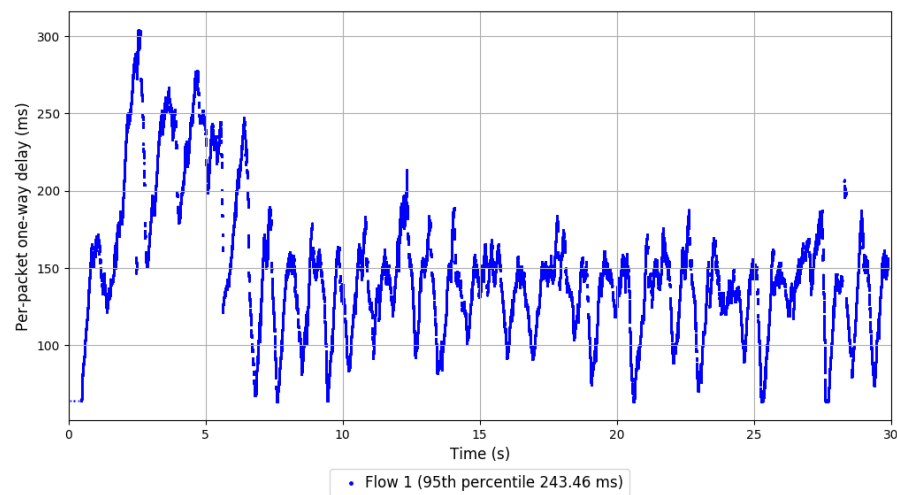
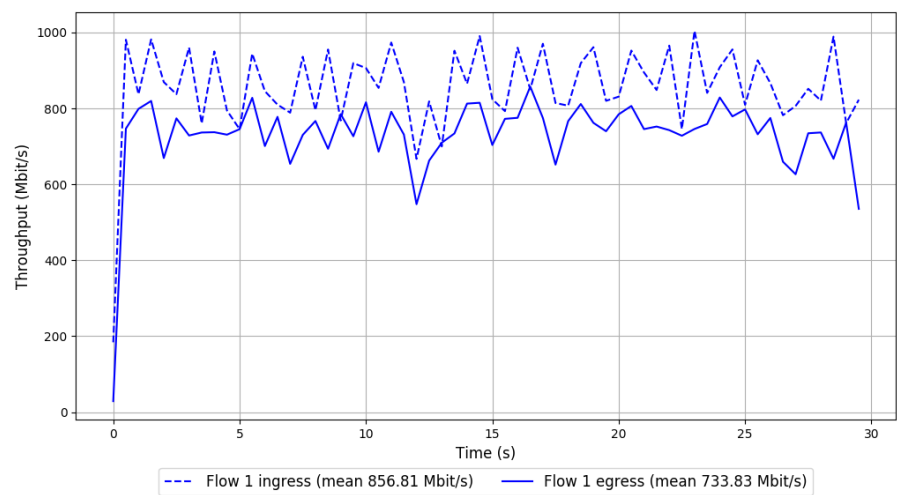
-- Flow 1:

Average throughput: 733.83 Mbit/s

95th percentile per-packet one-way delay: 243.459 ms

Loss rate: 14.73%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-28 02:01:33

End at: 2018-02-28 02:02:03

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 823.30 Mbit/s

95th percentile per-packet one-way delay: 156.758 ms

Loss rate: 9.44%

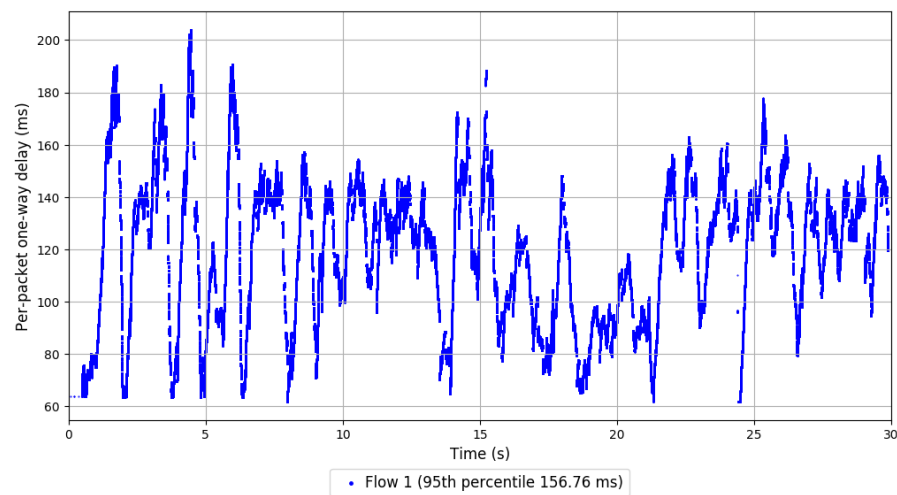
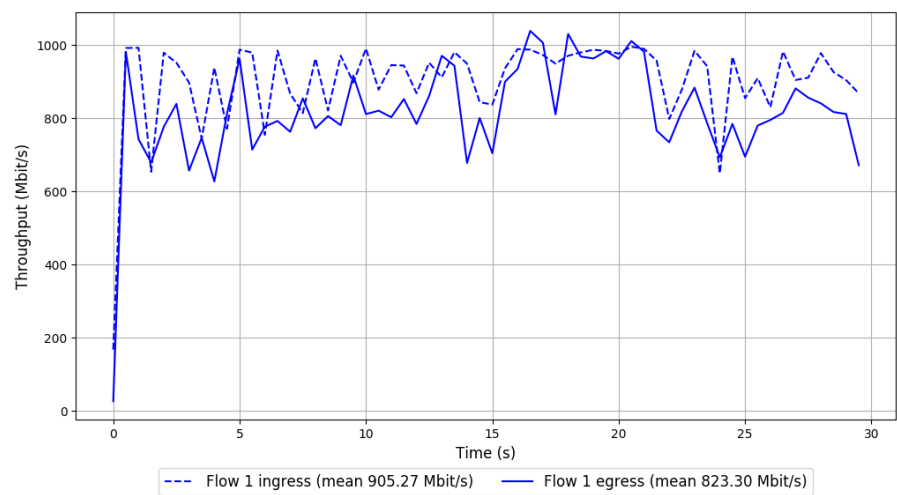
-- Flow 1:

Average throughput: 823.30 Mbit/s

95th percentile per-packet one-way delay: 156.758 ms

Loss rate: 9.44%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-28 02:16:14

End at: 2018-02-28 02:16:44

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 680.51 Mbit/s

95th percentile per-packet one-way delay: 177.474 ms

Loss rate: 17.96%

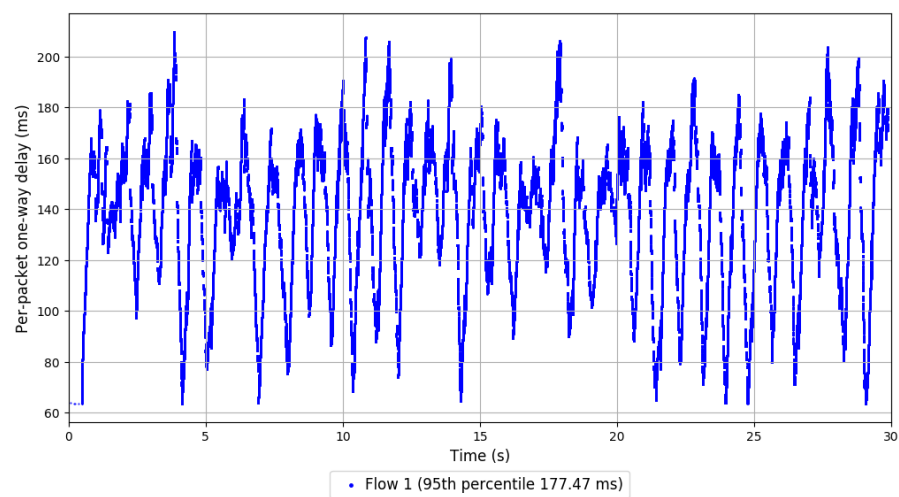
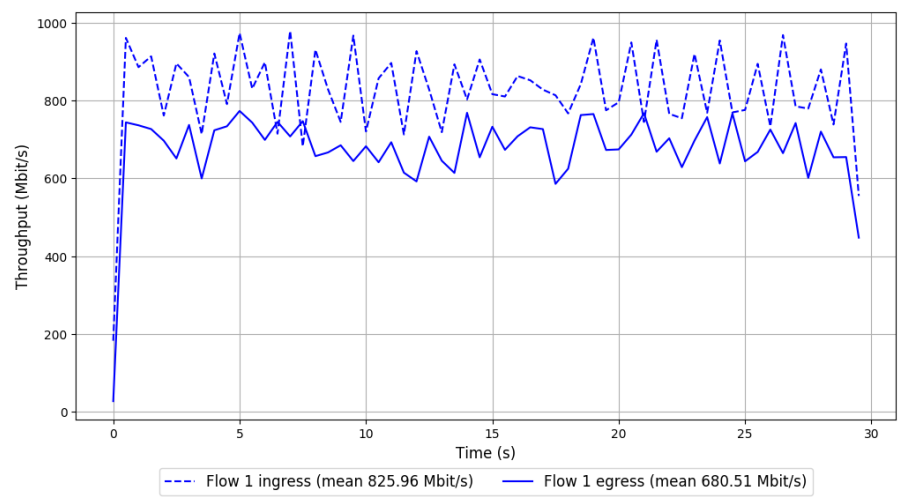
-- Flow 1:

Average throughput: 680.51 Mbit/s

95th percentile per-packet one-way delay: 177.474 ms

Loss rate: 17.96%

Run 10: Report of FillP — Data Link

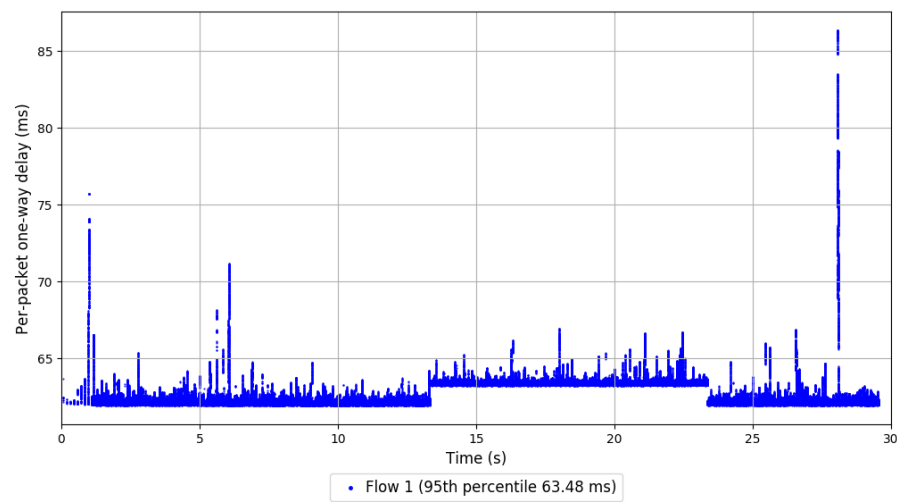
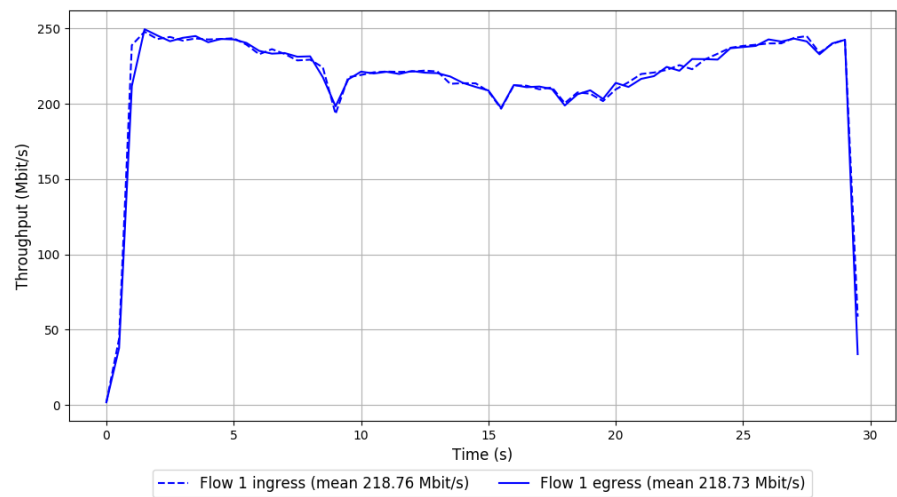


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-28 00:06:37
End at: 2018-02-28 00:07:07

# Below is generated by plot.py at 2018-02-28 06:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.73 Mbit/s
95th percentile per-packet one-way delay: 63.484 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 218.73 Mbit/s
95th percentile per-packet one-way delay: 63.484 ms
Loss rate: 0.44%
```

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

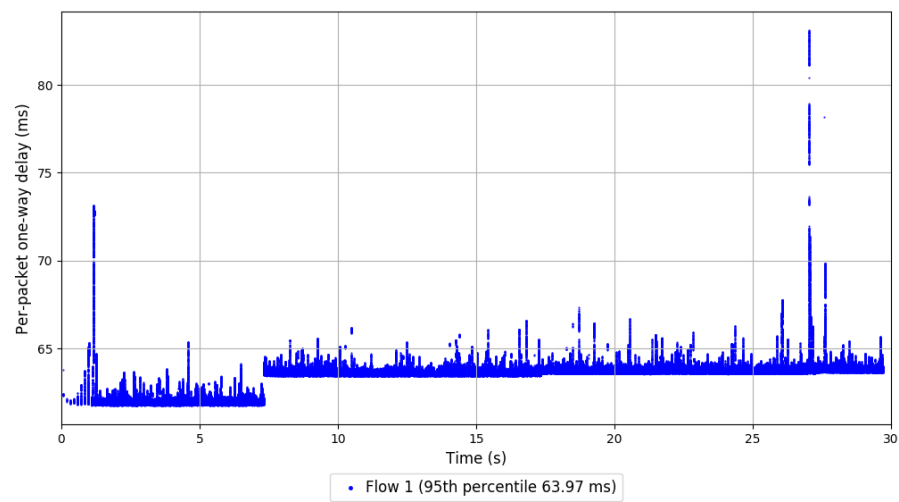
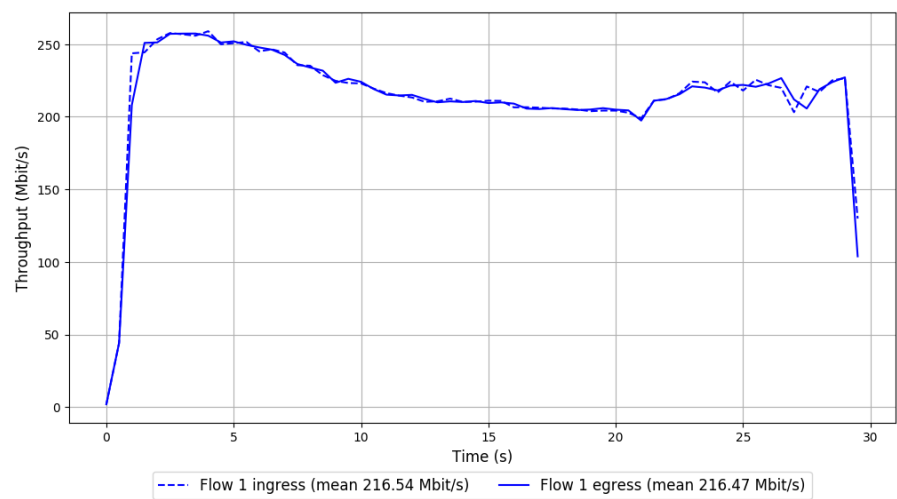


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-02-28 00:21:23
End at: 2018-02-28 00:21:53

# Below is generated by plot.py at 2018-02-28 06:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.47 Mbit/s
95th percentile per-packet one-way delay: 63.970 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 216.47 Mbit/s
95th percentile per-packet one-way delay: 63.970 ms
Loss rate: 0.45%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-28 00:36:21

End at: 2018-02-28 00:36:51

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.94 Mbit/s

95th percentile per-packet one-way delay: 63.914 ms

Loss rate: 0.41%

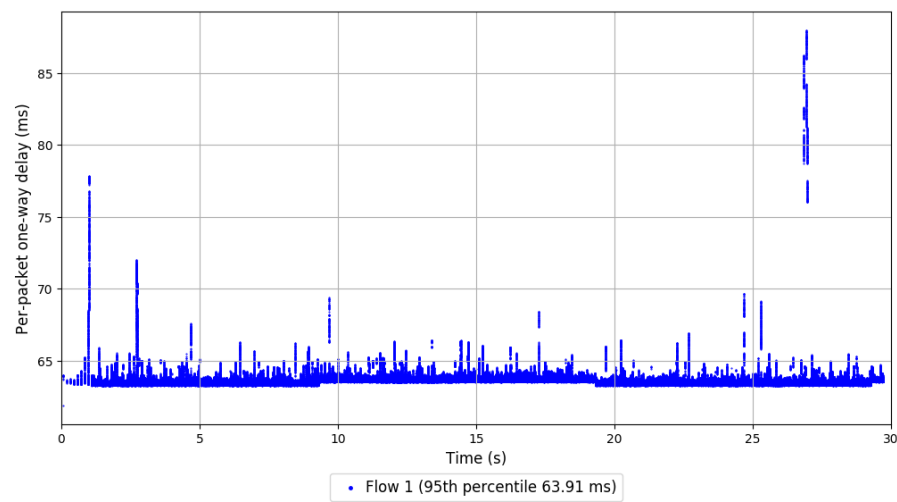
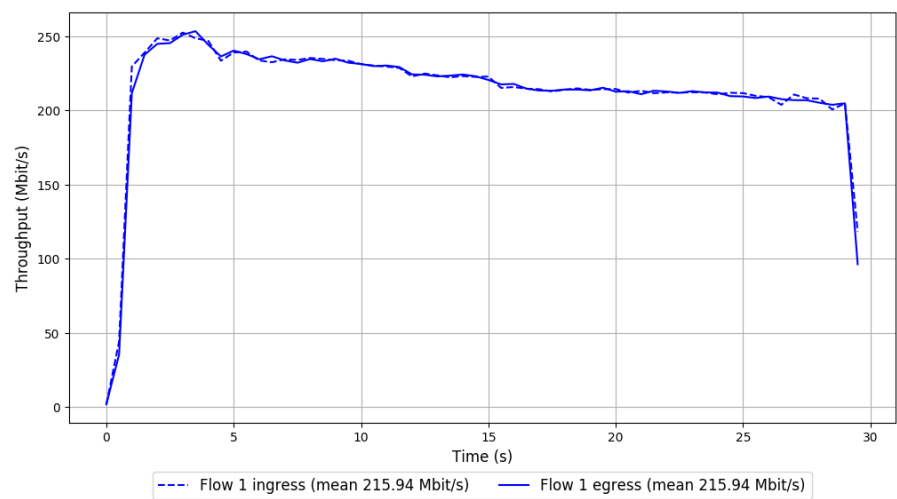
-- Flow 1:

Average throughput: 215.94 Mbit/s

95th percentile per-packet one-way delay: 63.914 ms

Loss rate: 0.41%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-28 00:50:53

End at: 2018-02-28 00:51:23

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.34 Mbit/s

95th percentile per-packet one-way delay: 64.477 ms

Loss rate: 0.39%

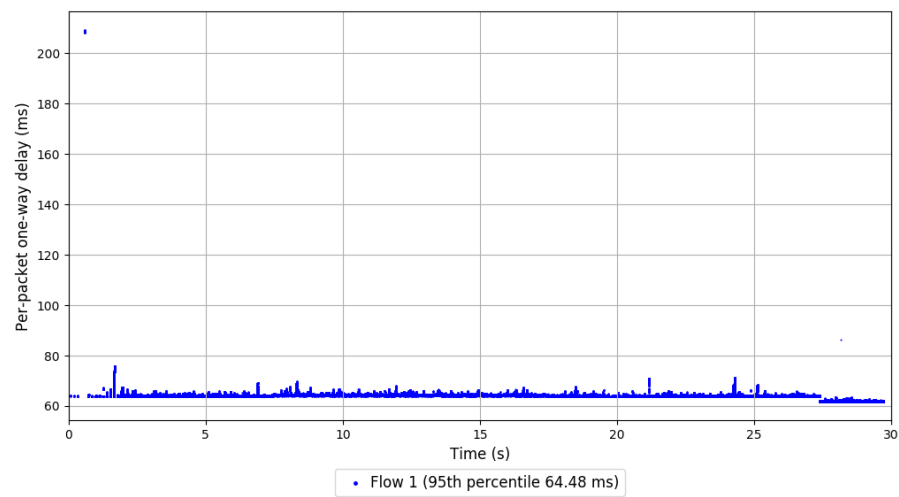
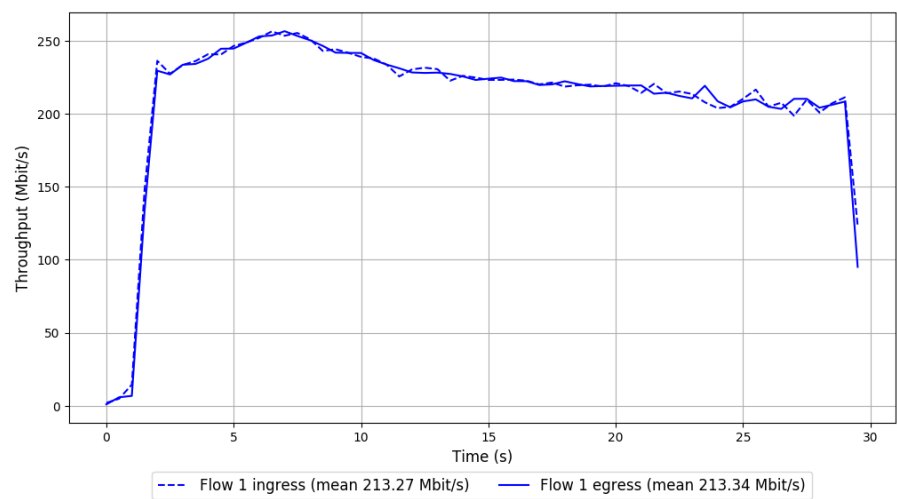
-- Flow 1:

Average throughput: 213.34 Mbit/s

95th percentile per-packet one-way delay: 64.477 ms

Loss rate: 0.39%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-28 01:06:22

End at: 2018-02-28 01:06:52

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.08 Mbit/s

95th percentile per-packet one-way delay: 64.340 ms

Loss rate: 0.42%

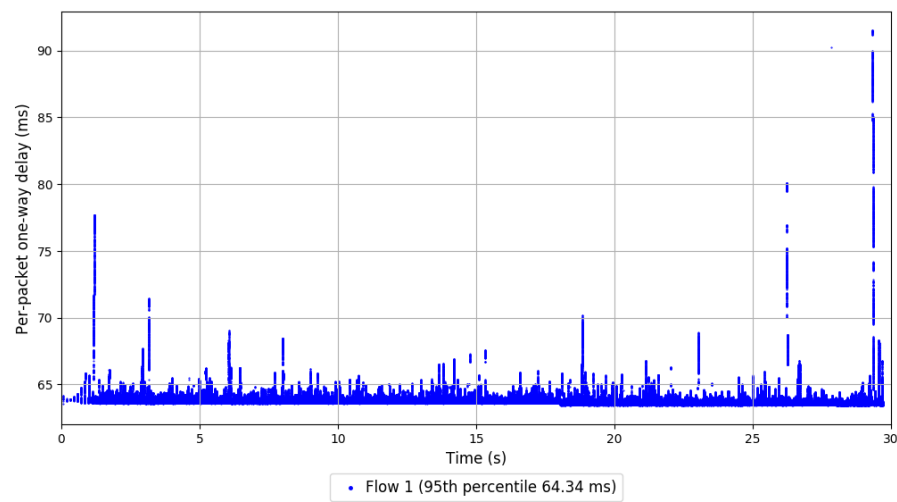
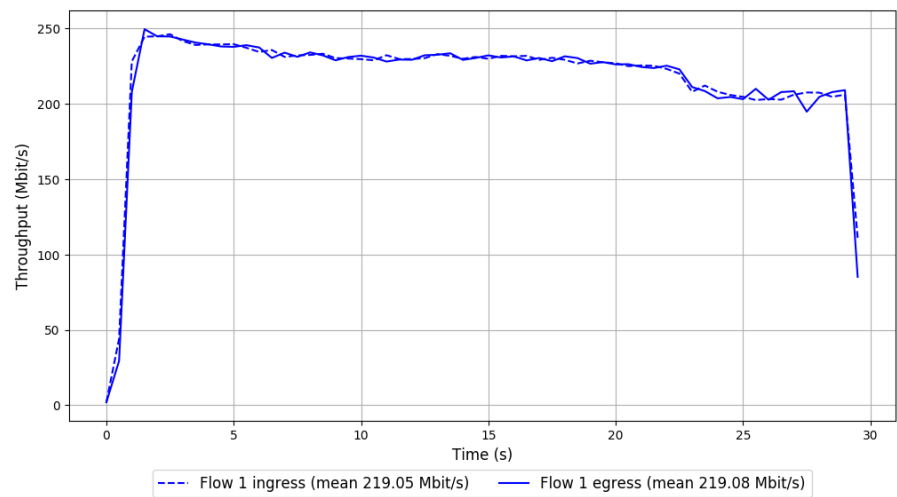
-- Flow 1:

Average throughput: 219.08 Mbit/s

95th percentile per-packet one-way delay: 64.340 ms

Loss rate: 0.42%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-28 01:21:19

End at: 2018-02-28 01:21:49

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.58 Mbit/s

95th percentile per-packet one-way delay: 64.136 ms

Loss rate: 0.42%

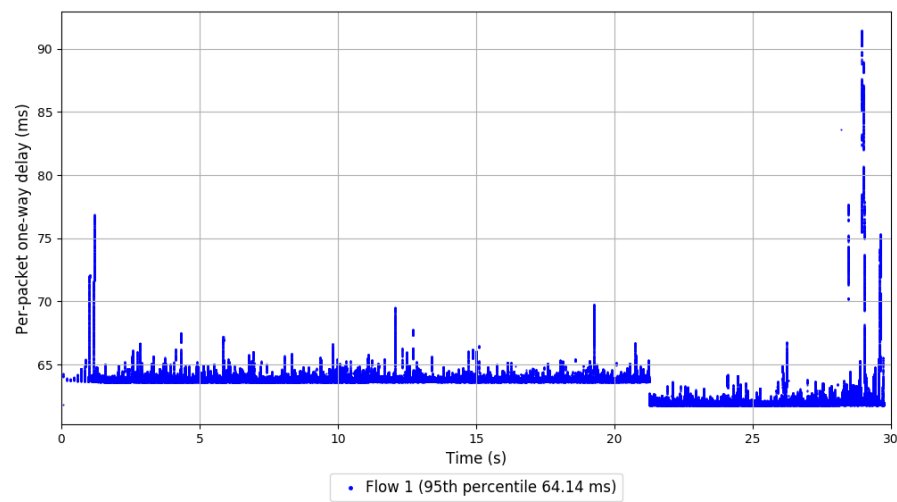
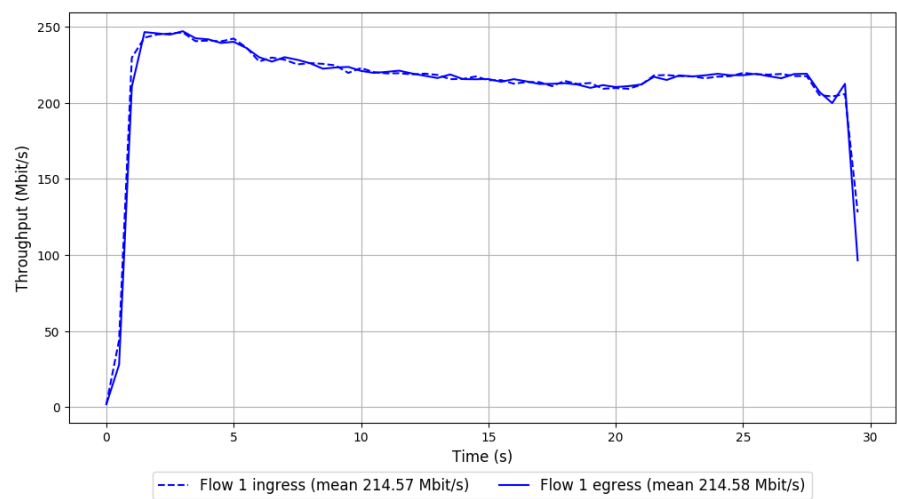
-- Flow 1:

Average throughput: 214.58 Mbit/s

95th percentile per-packet one-way delay: 64.136 ms

Loss rate: 0.42%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-28 01:36:07

End at: 2018-02-28 01:36:37

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.78 Mbit/s

95th percentile per-packet one-way delay: 64.365 ms

Loss rate: 0.45%

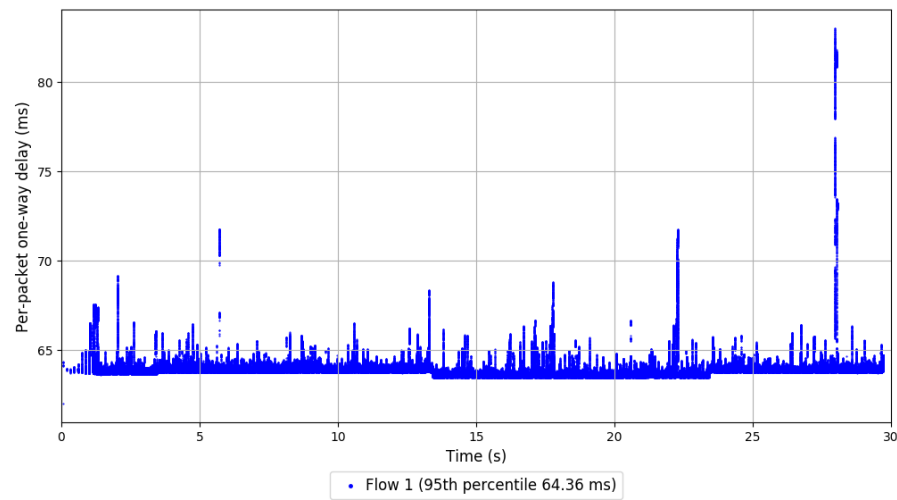
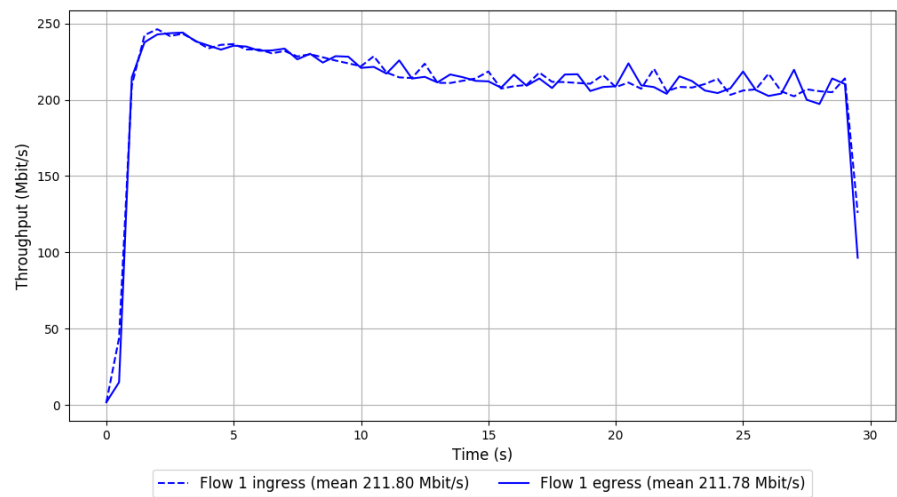
-- Flow 1:

Average throughput: 211.78 Mbit/s

95th percentile per-packet one-way delay: 64.365 ms

Loss rate: 0.45%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-28 01:50:56

End at: 2018-02-28 01:51:26

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.07 Mbit/s

95th percentile per-packet one-way delay: 64.051 ms

Loss rate: 0.45%

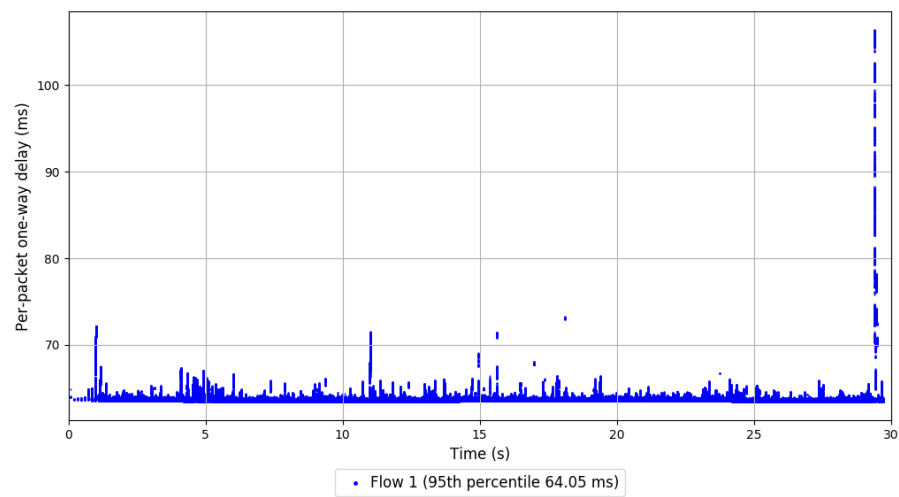
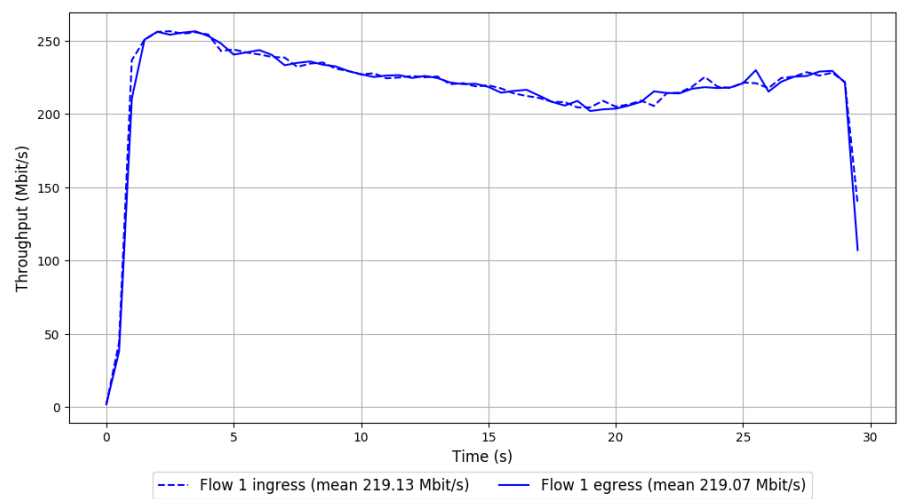
-- Flow 1:

Average throughput: 219.07 Mbit/s

95th percentile per-packet one-way delay: 64.051 ms

Loss rate: 0.45%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-28 02:05:44

End at: 2018-02-28 02:06:14

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 64.964 ms

Loss rate: 0.45%

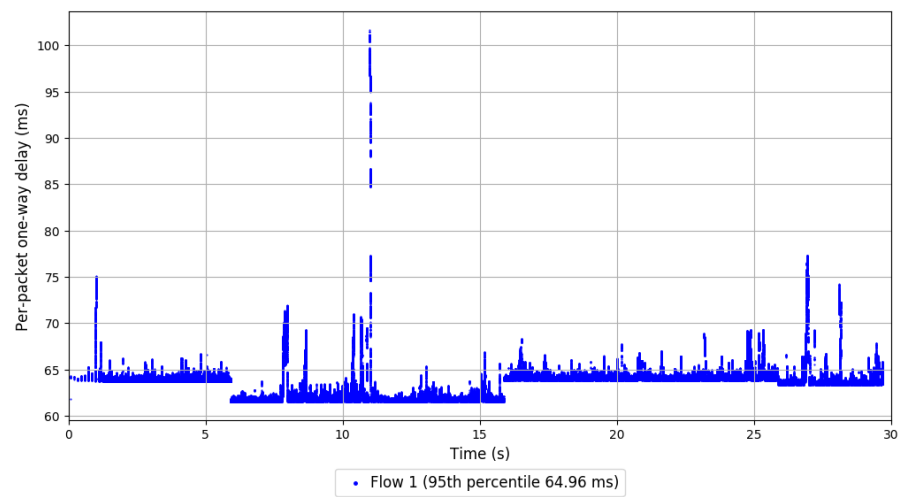
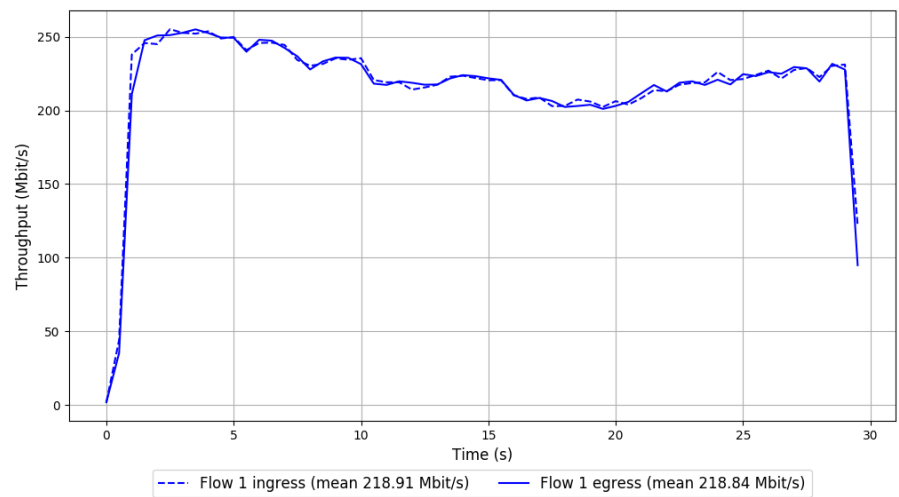
-- Flow 1:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 64.964 ms

Loss rate: 0.45%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-28 02:20:23

End at: 2018-02-28 02:20:53

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.52 Mbit/s

95th percentile per-packet one-way delay: 64.313 ms

Loss rate: 0.48%

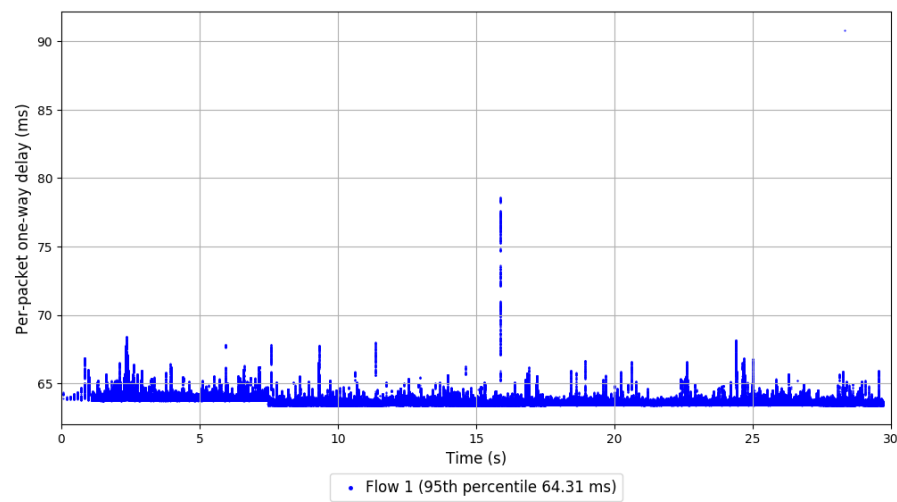
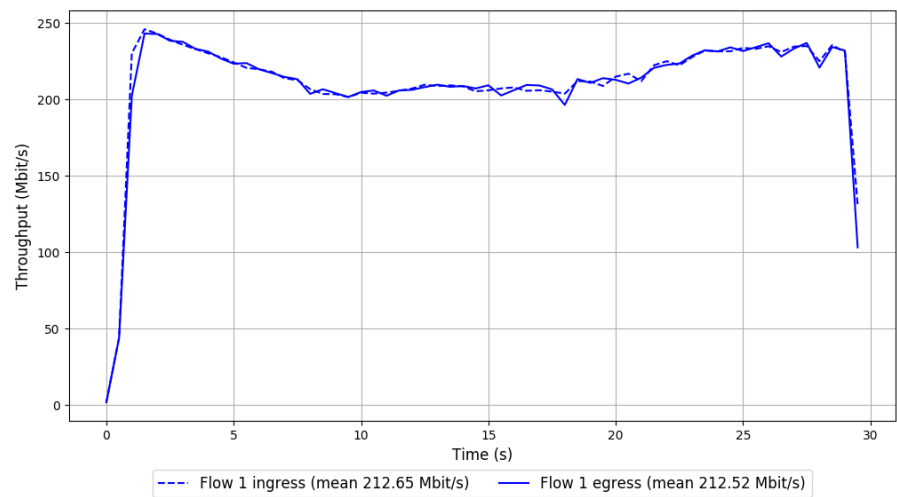
-- Flow 1:

Average throughput: 212.52 Mbit/s

95th percentile per-packet one-way delay: 64.313 ms

Loss rate: 0.48%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-28 00:11:25

End at: 2018-02-28 00:11:55

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.47 Mbit/s

95th percentile per-packet one-way delay: 67.990 ms

Loss rate: 0.53%

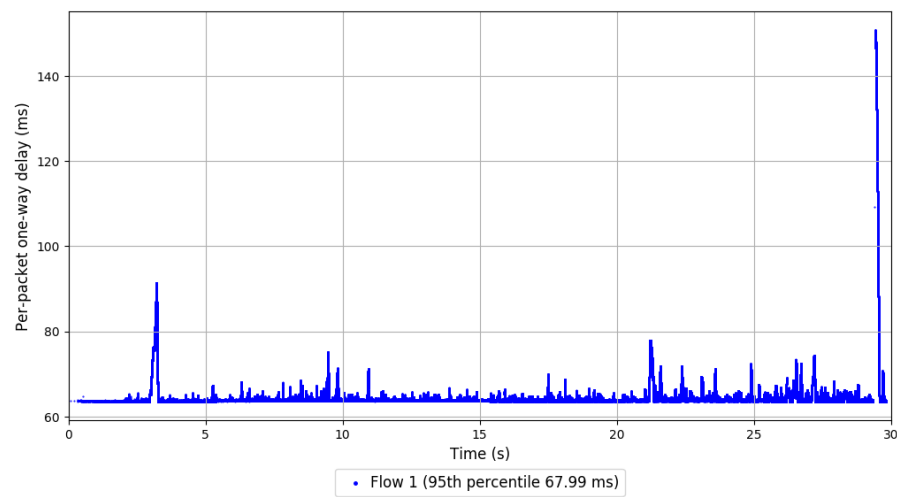
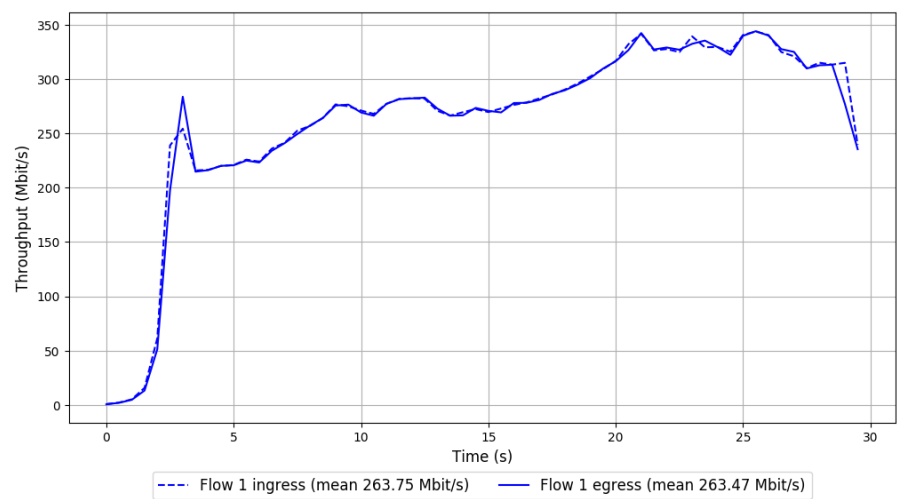
-- Flow 1:

Average throughput: 263.47 Mbit/s

95th percentile per-packet one-way delay: 67.990 ms

Loss rate: 0.53%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-28 00:26:20

End at: 2018-02-28 00:26:50

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.59 Mbit/s

95th percentile per-packet one-way delay: 73.226 ms

Loss rate: 0.56%

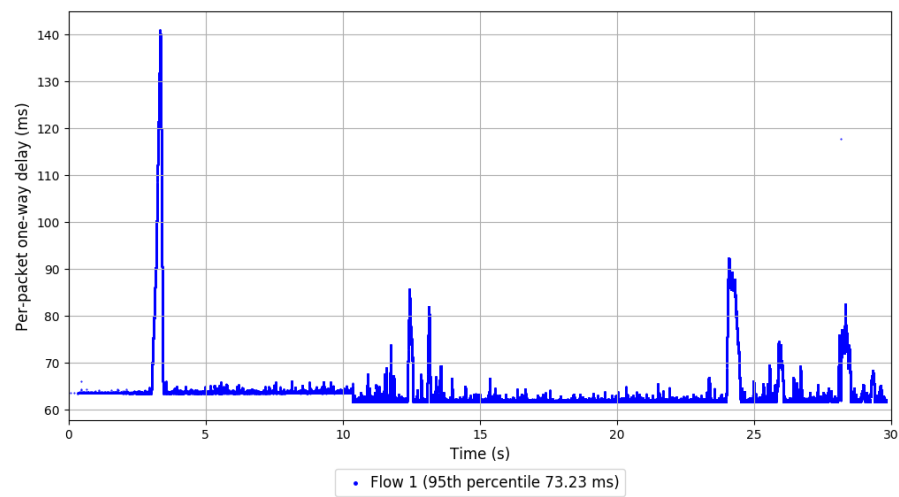
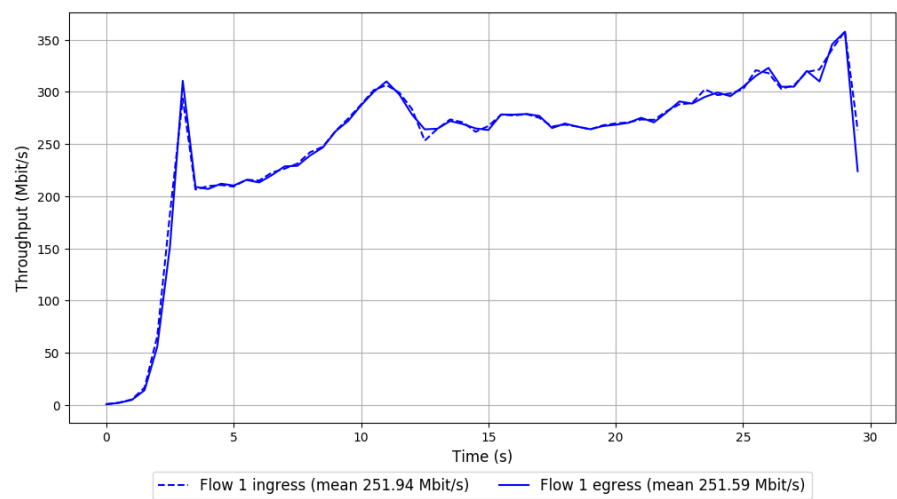
-- Flow 1:

Average throughput: 251.59 Mbit/s

95th percentile per-packet one-way delay: 73.226 ms

Loss rate: 0.56%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-28 00:41:08

End at: 2018-02-28 00:41:38

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.26 Mbit/s

95th percentile per-packet one-way delay: 99.052 ms

Loss rate: 1.57%

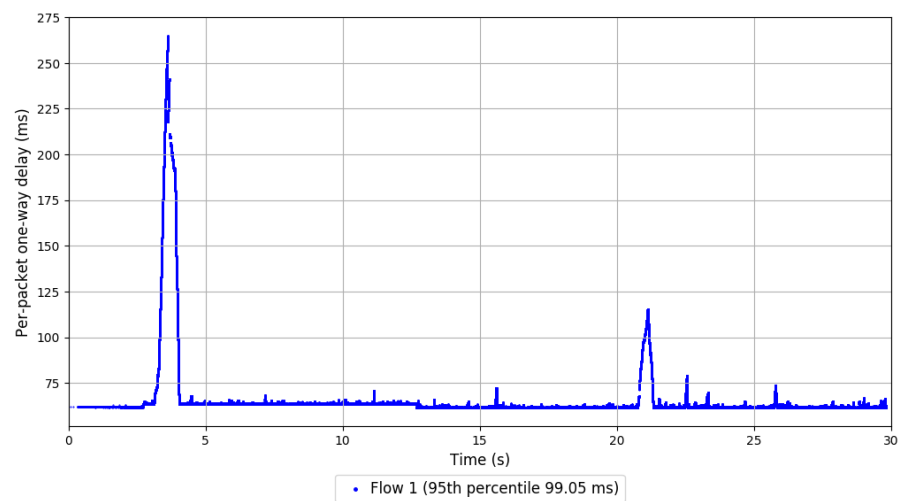
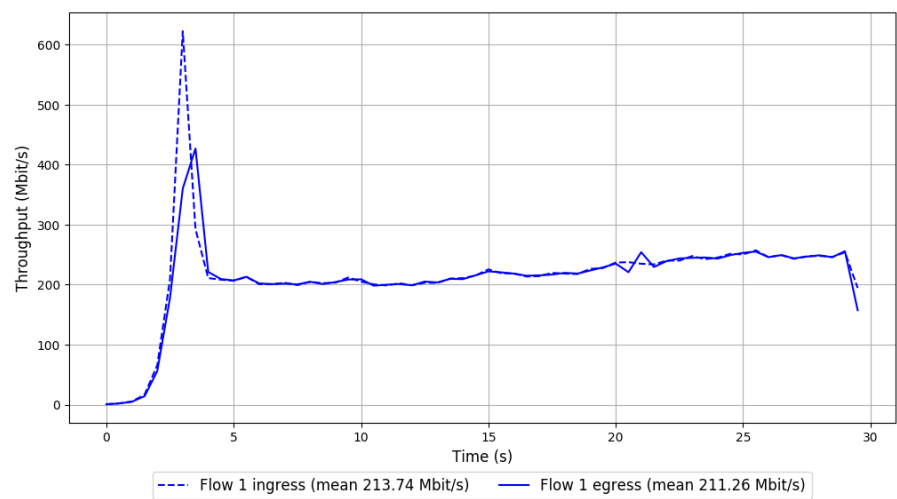
-- Flow 1:

Average throughput: 211.26 Mbit/s

95th percentile per-packet one-way delay: 99.052 ms

Loss rate: 1.57%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-28 00:56:11

End at: 2018-02-28 00:56:41

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.21 Mbit/s

95th percentile per-packet one-way delay: 82.693 ms

Loss rate: 0.44%

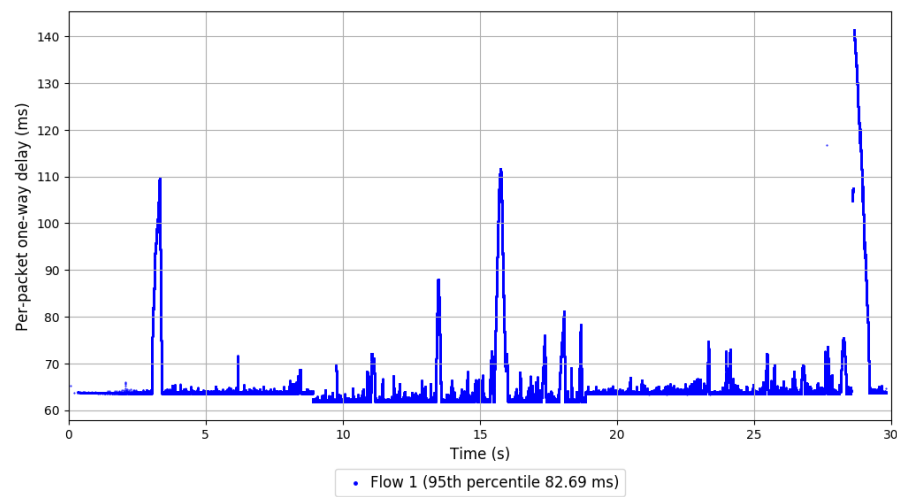
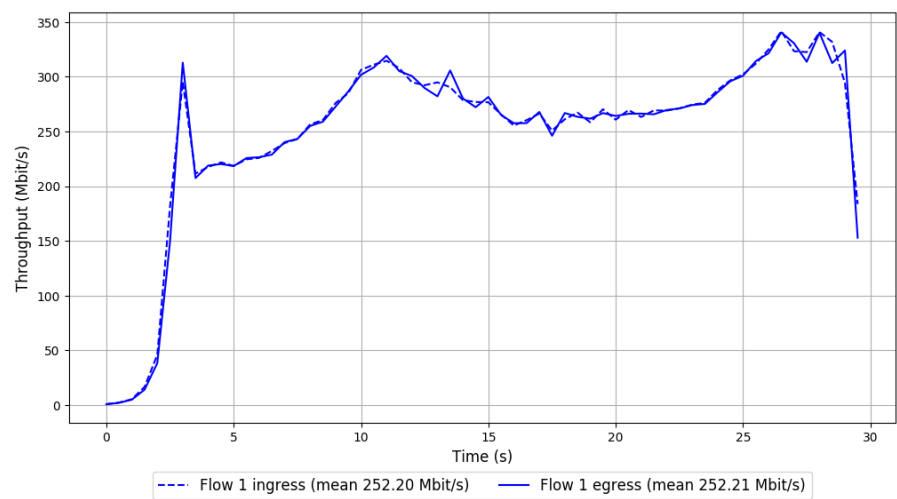
-- Flow 1:

Average throughput: 252.21 Mbit/s

95th percentile per-packet one-way delay: 82.693 ms

Loss rate: 0.44%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-28 01:11:16

End at: 2018-02-28 01:11:46

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.89 Mbit/s

95th percentile per-packet one-way delay: 72.612 ms

Loss rate: 0.64%

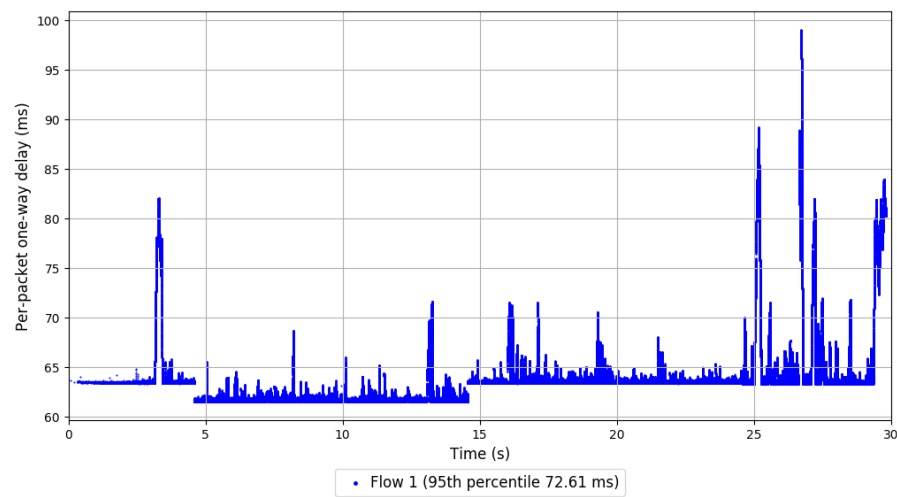
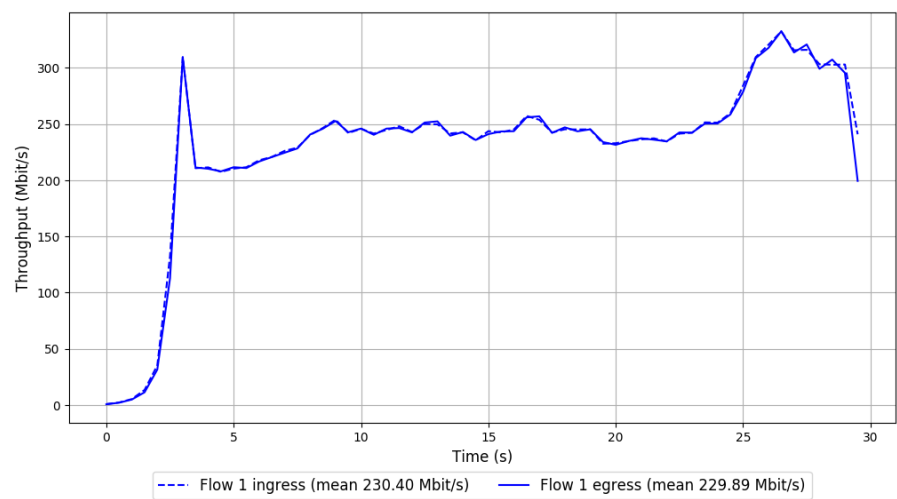
-- Flow 1:

Average throughput: 229.89 Mbit/s

95th percentile per-packet one-way delay: 72.612 ms

Loss rate: 0.64%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-28 01:26:09

End at: 2018-02-28 01:26:39

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.04 Mbit/s

95th percentile per-packet one-way delay: 83.843 ms

Loss rate: 0.48%

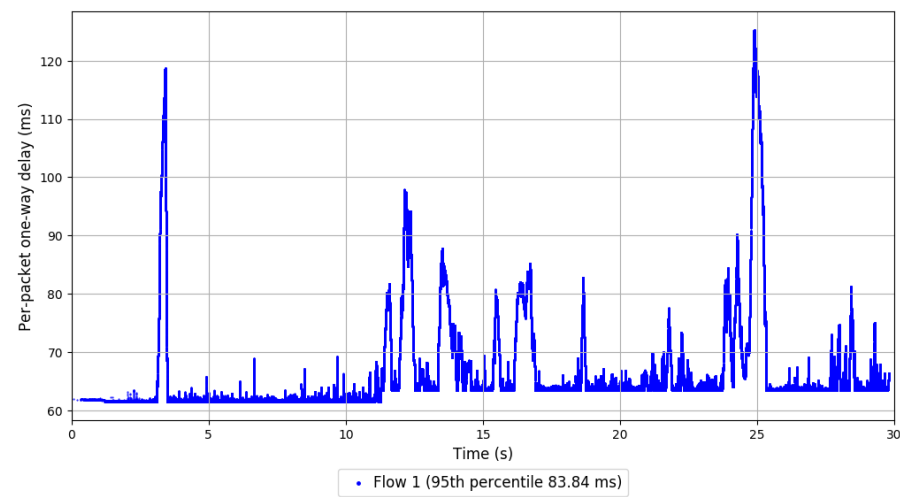
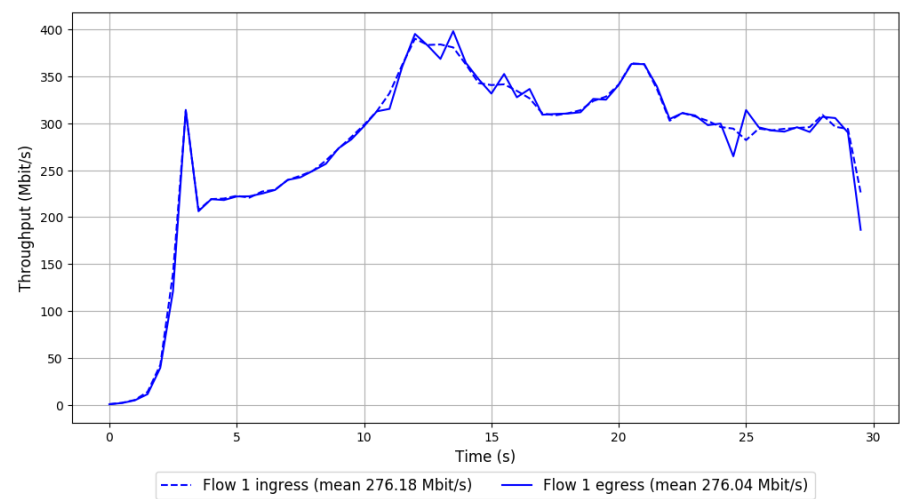
-- Flow 1:

Average throughput: 276.04 Mbit/s

95th percentile per-packet one-way delay: 83.843 ms

Loss rate: 0.48%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-28 01:41:02

End at: 2018-02-28 01:41:32

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.20 Mbit/s

95th percentile per-packet one-way delay: 78.878 ms

Loss rate: 1.64%

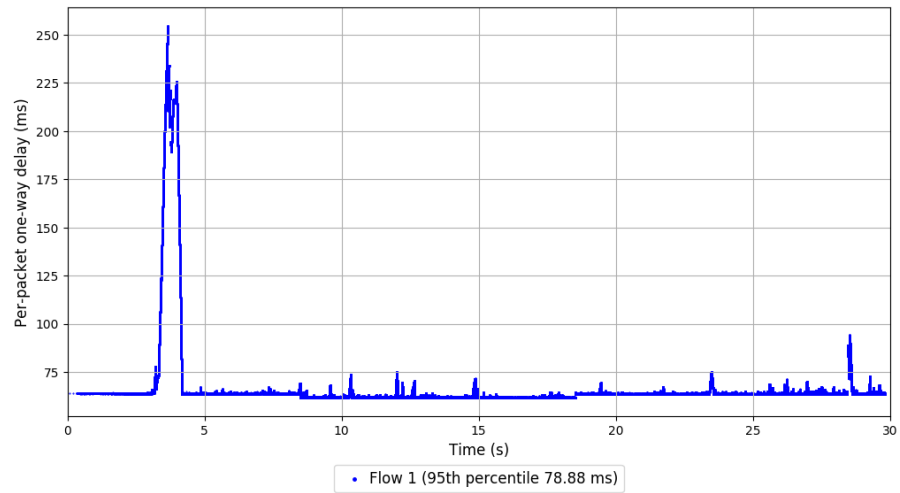
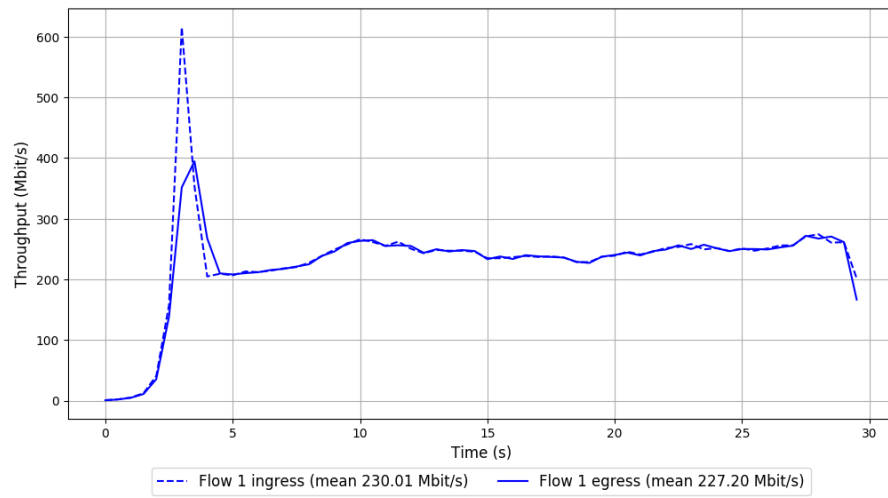
-- Flow 1:

Average throughput: 227.20 Mbit/s

95th percentile per-packet one-way delay: 78.878 ms

Loss rate: 1.64%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-28 01:55:44

End at: 2018-02-28 01:56:14

Below is generated by plot.py at 2018-02-28 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.26 Mbit/s

95th percentile per-packet one-way delay: 91.135 ms

Loss rate: 0.48%

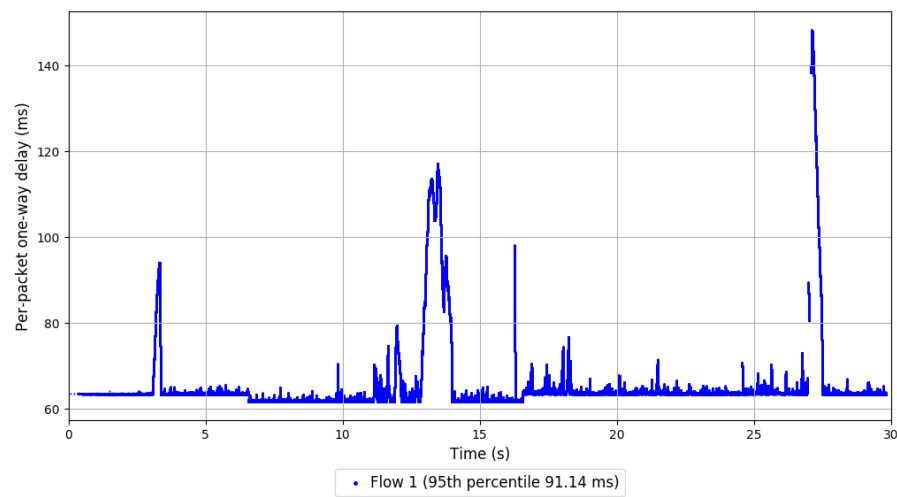
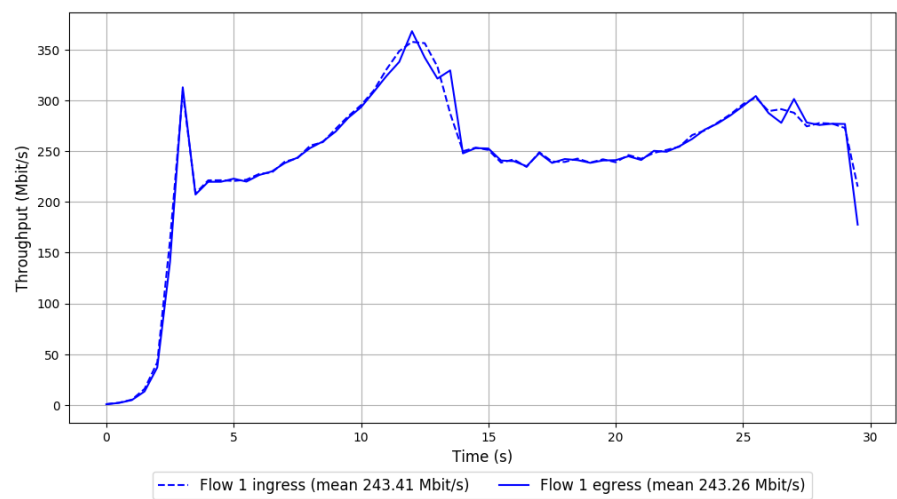
-- Flow 1:

Average throughput: 243.26 Mbit/s

95th percentile per-packet one-way delay: 91.135 ms

Loss rate: 0.48%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-28 02:10:35

End at: 2018-02-28 02:11:05

Below is generated by plot.py at 2018-02-28 06:49:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.47 Mbit/s

95th percentile per-packet one-way delay: 108.384 ms

Loss rate: 0.44%

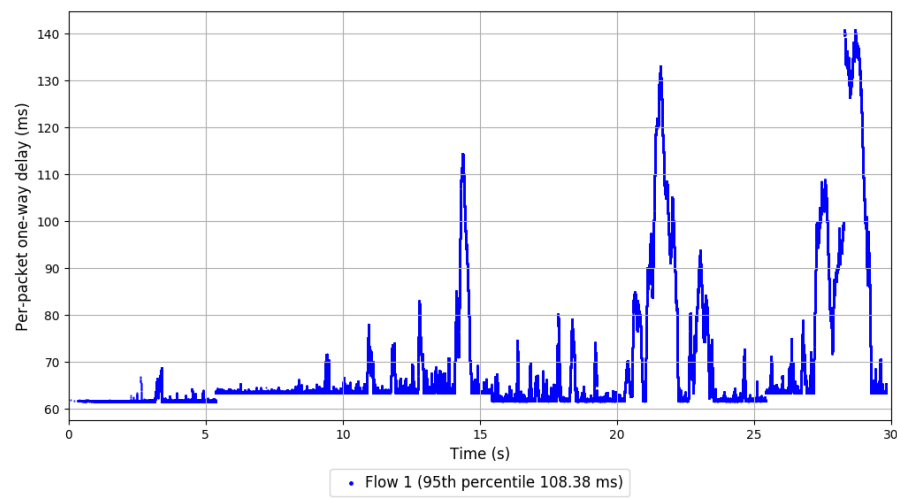
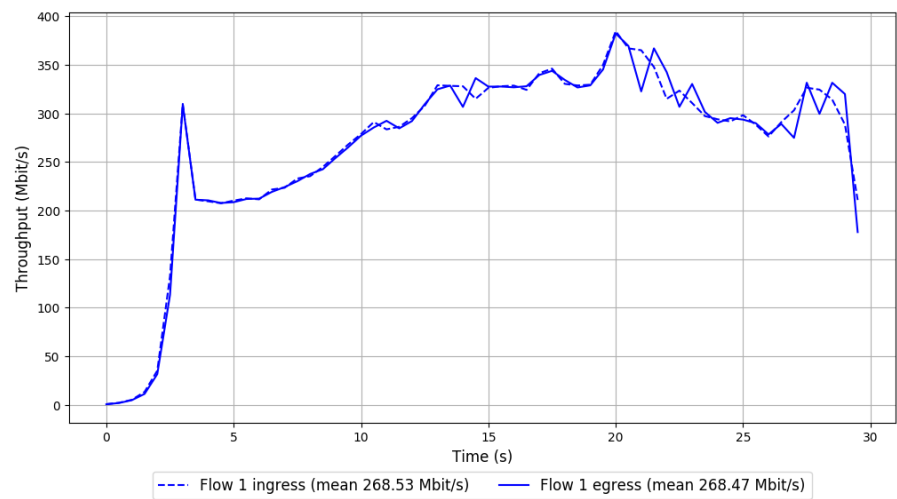
-- Flow 1:

Average throughput: 268.47 Mbit/s

95th percentile per-packet one-way delay: 108.384 ms

Loss rate: 0.44%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-28 02:25:15

End at: 2018-02-28 02:25:45

Below is generated by plot.py at 2018-02-28 06:50:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.46 Mbit/s

95th percentile per-packet one-way delay: 110.935 ms

Loss rate: 0.51%

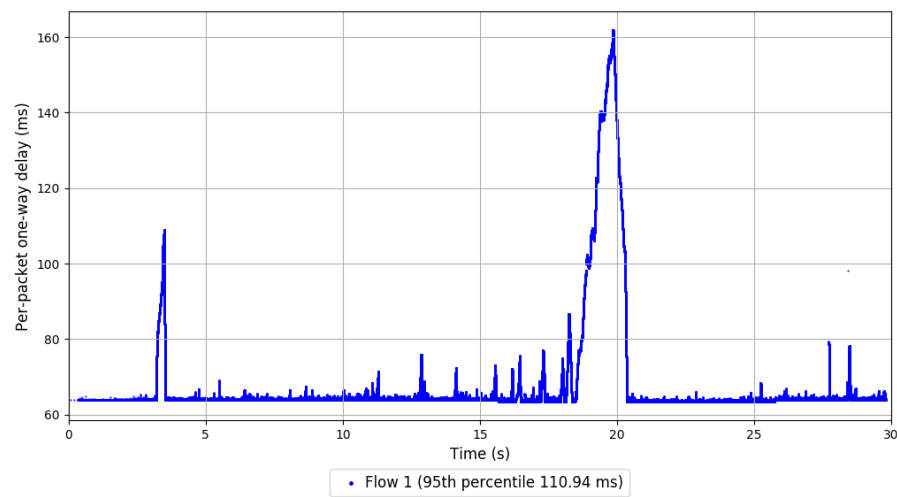
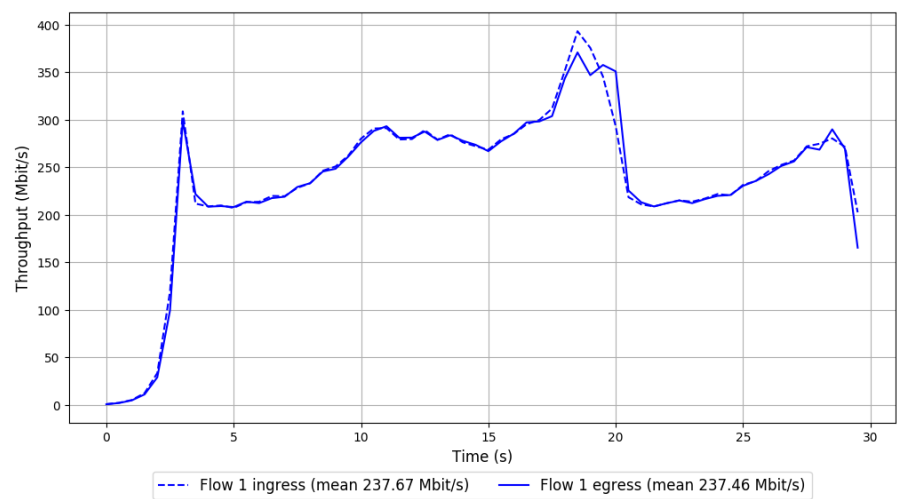
-- Flow 1:

Average throughput: 237.46 Mbit/s

95th percentile per-packet one-way delay: 110.935 ms

Loss rate: 0.51%

Run 10: Report of Vivace-latency — Data Link

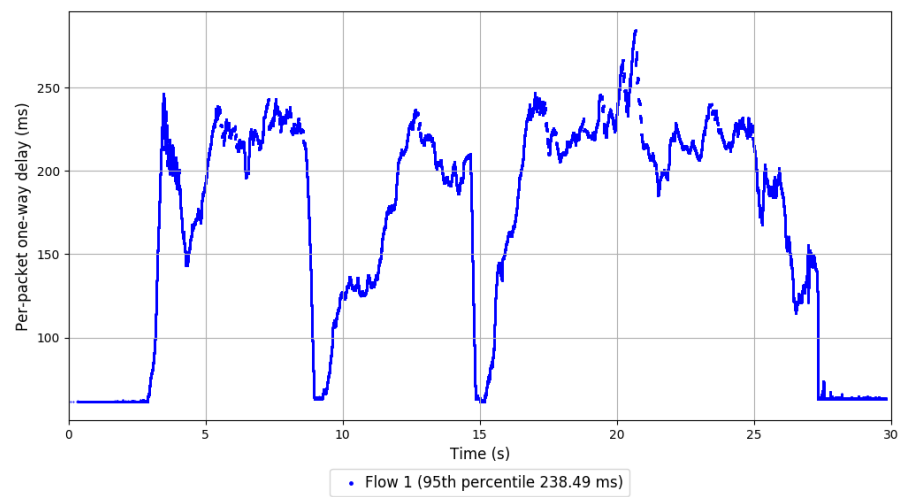
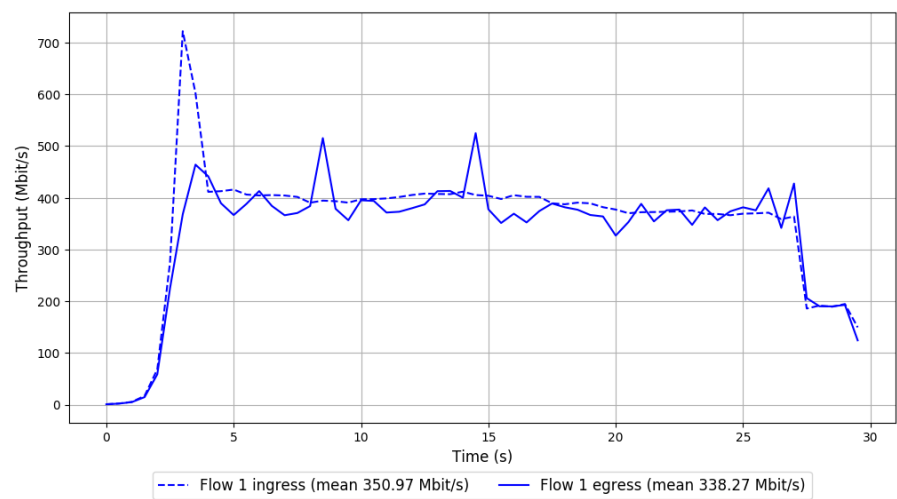


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 00:00:35
End at: 2018-02-28 00:01:05

# Below is generated by plot.py at 2018-02-28 06:53:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 338.27 Mbit/s
95th percentile per-packet one-way delay: 238.491 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 338.27 Mbit/s
95th percentile per-packet one-way delay: 238.491 ms
Loss rate: 4.02%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-28 00:15:26

End at: 2018-02-28 00:15:56

Below is generated by plot.py at 2018-02-28 06:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.04 Mbit/s

95th percentile per-packet one-way delay: 235.510 ms

Loss rate: 6.25%

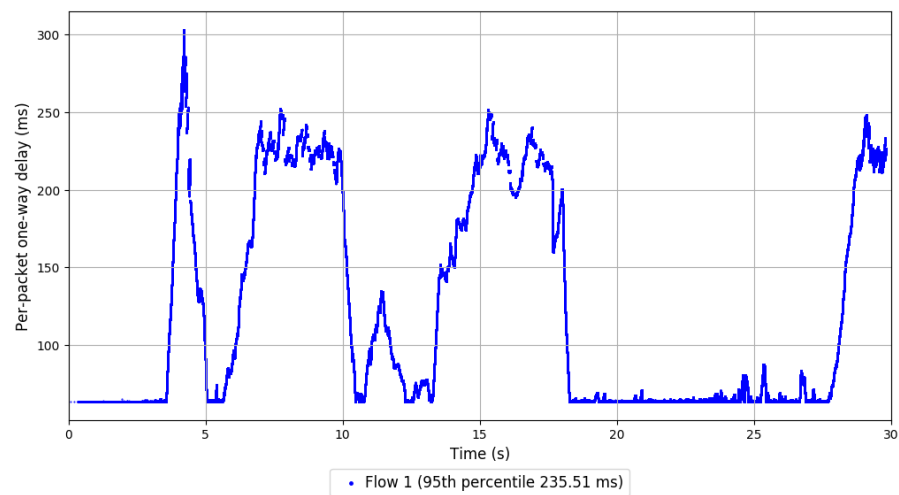
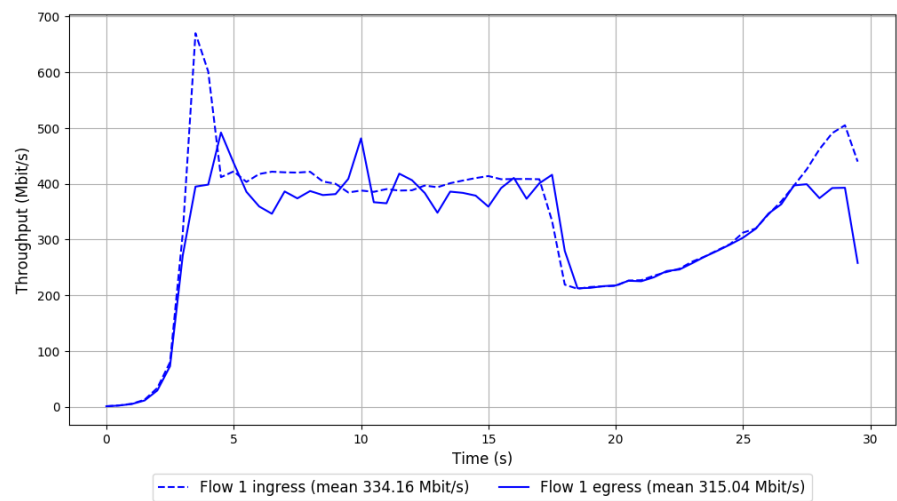
-- Flow 1:

Average throughput: 315.04 Mbit/s

95th percentile per-packet one-way delay: 235.510 ms

Loss rate: 6.25%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-28 00:30:20

End at: 2018-02-28 00:30:50

Below is generated by plot.py at 2018-02-28 06:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.39 Mbit/s

95th percentile per-packet one-way delay: 251.128 ms

Loss rate: 7.37%

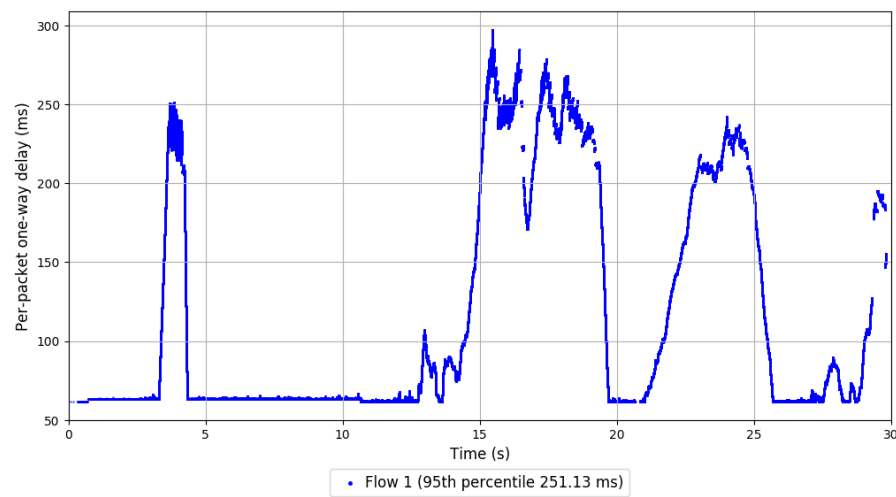
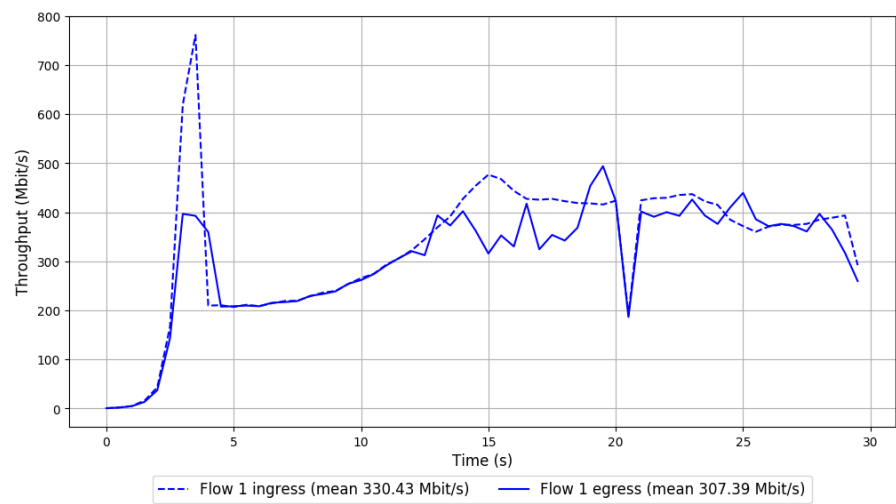
-- Flow 1:

Average throughput: 307.39 Mbit/s

95th percentile per-packet one-way delay: 251.128 ms

Loss rate: 7.37%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-28 00:45:00

End at: 2018-02-28 00:45:30

Below is generated by plot.py at 2018-02-28 06:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.70 Mbit/s

95th percentile per-packet one-way delay: 258.510 ms

Loss rate: 8.60%

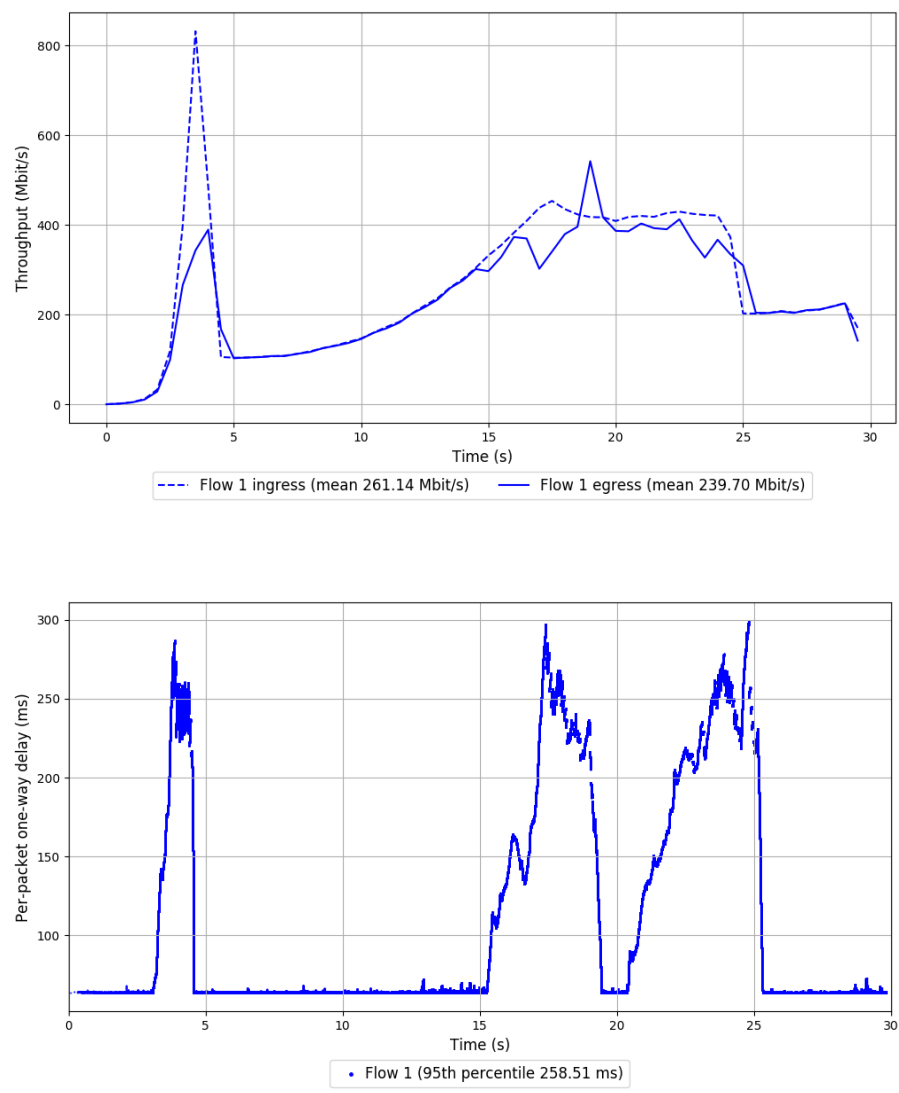
-- Flow 1:

Average throughput: 239.70 Mbit/s

95th percentile per-packet one-way delay: 258.510 ms

Loss rate: 8.60%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-28 01:00:19

End at: 2018-02-28 01:00:50

Below is generated by plot.py at 2018-02-28 06:56:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.20 Mbit/s

95th percentile per-packet one-way delay: 244.615 ms

Loss rate: 4.89%

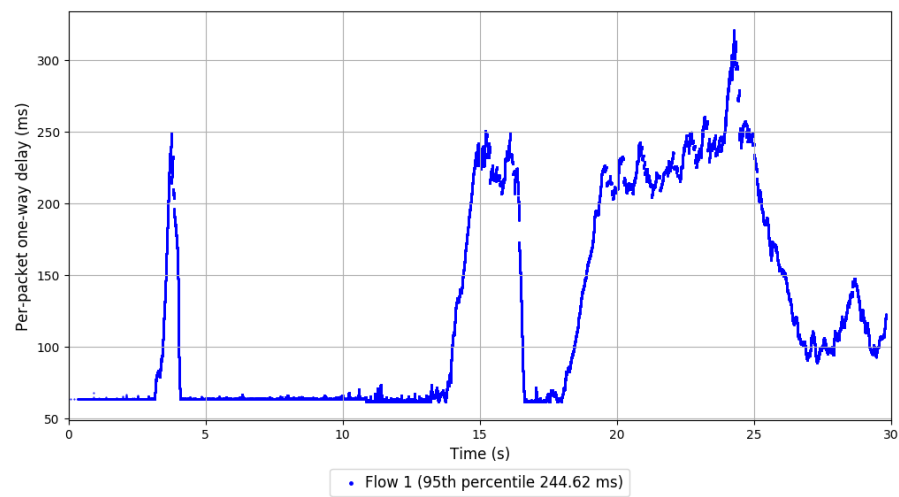
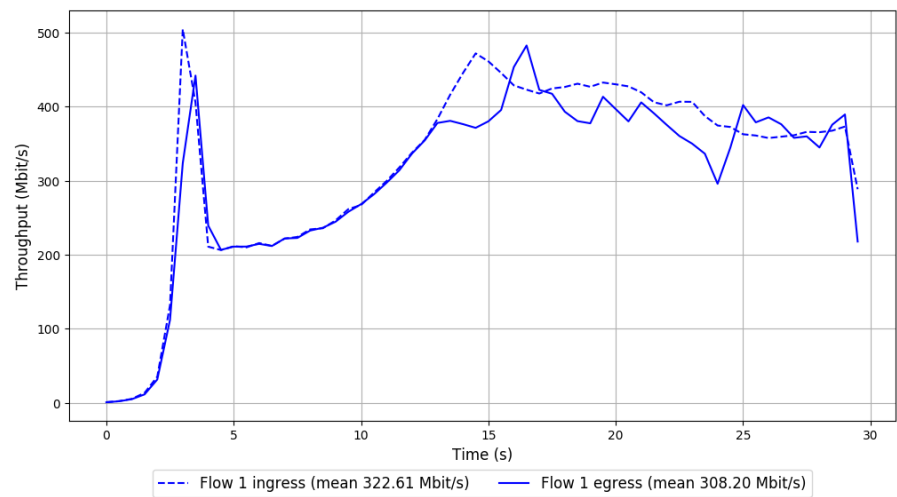
-- Flow 1:

Average throughput: 308.20 Mbit/s

95th percentile per-packet one-way delay: 244.615 ms

Loss rate: 4.89%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-28 01:15:24

End at: 2018-02-28 01:15:54

Below is generated by plot.py at 2018-02-28 06:56:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.64 Mbit/s

95th percentile per-packet one-way delay: 244.703 ms

Loss rate: 8.24%

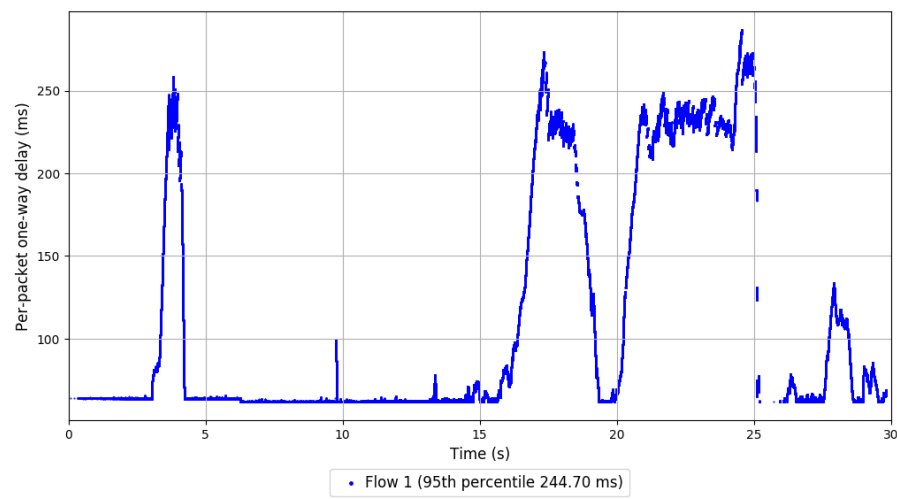
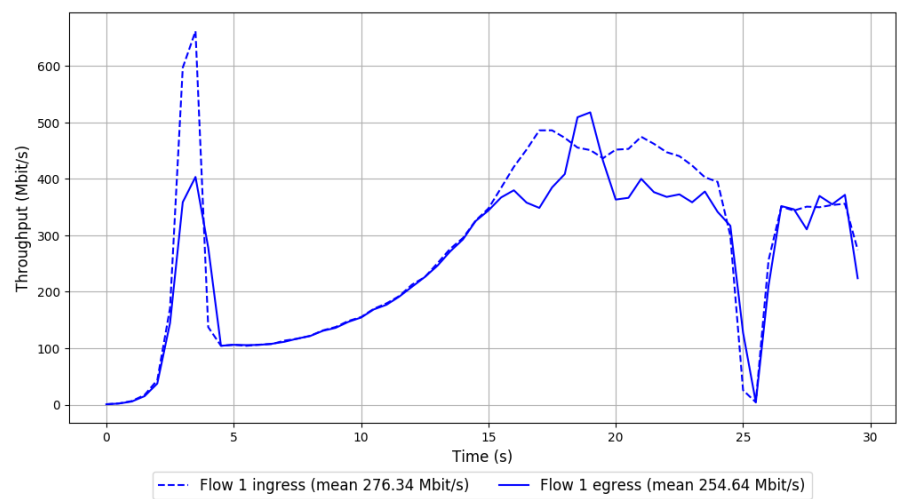
-- Flow 1:

Average throughput: 254.64 Mbit/s

95th percentile per-packet one-way delay: 244.703 ms

Loss rate: 8.24%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-28 01:30:10

End at: 2018-02-28 01:30:40

Below is generated by plot.py at 2018-02-28 06:57:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.03 Mbit/s

95th percentile per-packet one-way delay: 272.072 ms

Loss rate: 12.82%

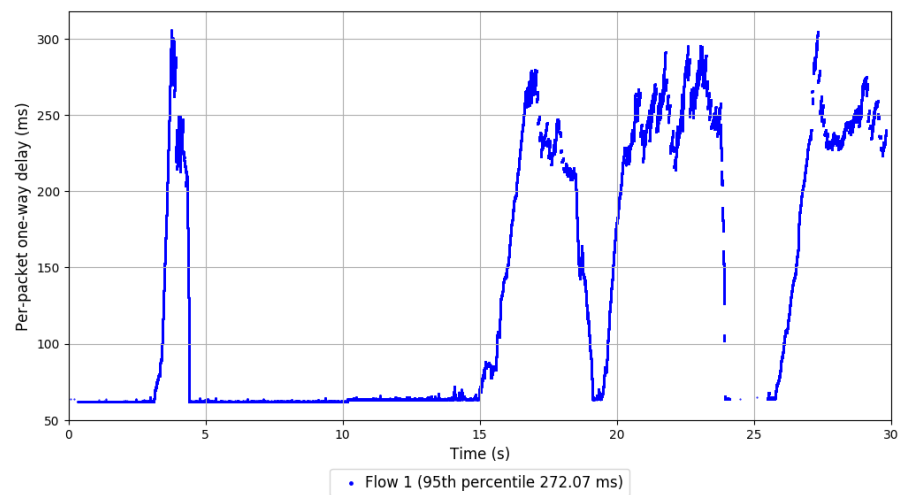
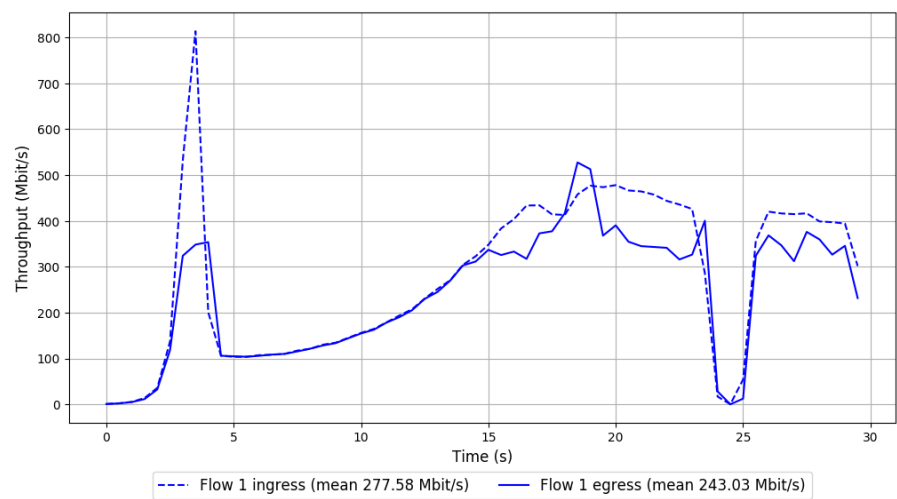
-- Flow 1:

Average throughput: 243.03 Mbit/s

95th percentile per-packet one-way delay: 272.072 ms

Loss rate: 12.82%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-28 01:45:03

End at: 2018-02-28 01:45:33

Below is generated by plot.py at 2018-02-28 06:58:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.47 Mbit/s

95th percentile per-packet one-way delay: 245.828 ms

Loss rate: 5.83%

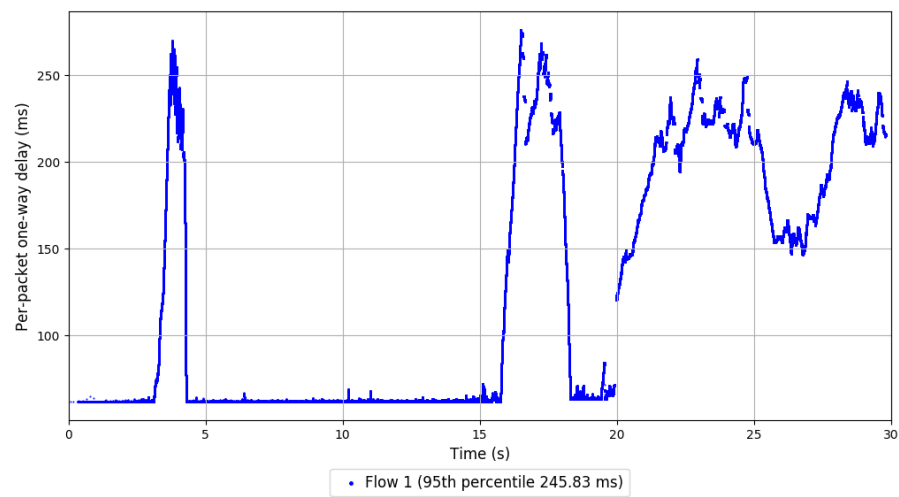
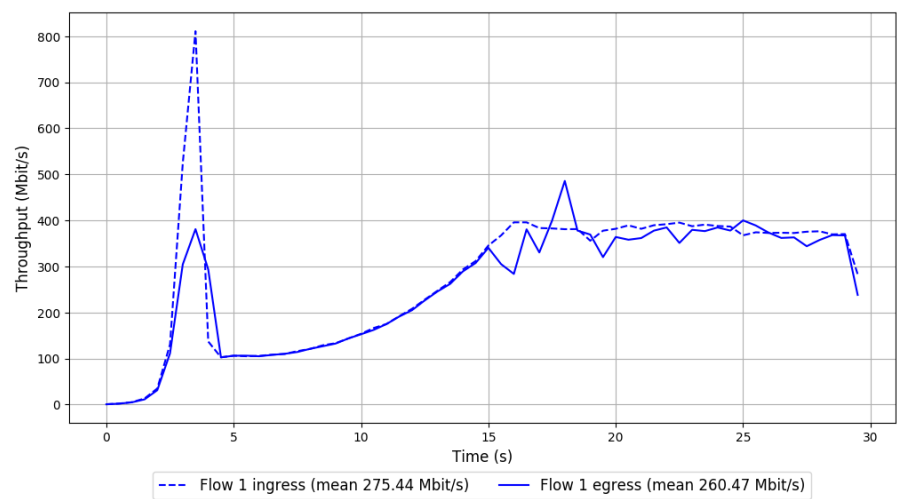
-- Flow 1:

Average throughput: 260.47 Mbit/s

95th percentile per-packet one-way delay: 245.828 ms

Loss rate: 5.83%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-28 01:59:45

End at: 2018-02-28 02:00:15

Below is generated by plot.py at 2018-02-28 07:00:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.06 Mbit/s

95th percentile per-packet one-way delay: 229.699 ms

Loss rate: 6.27%

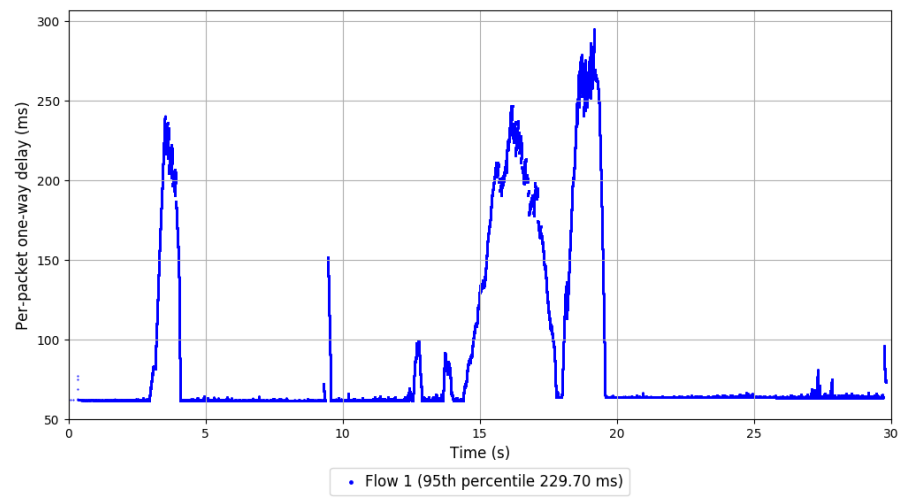
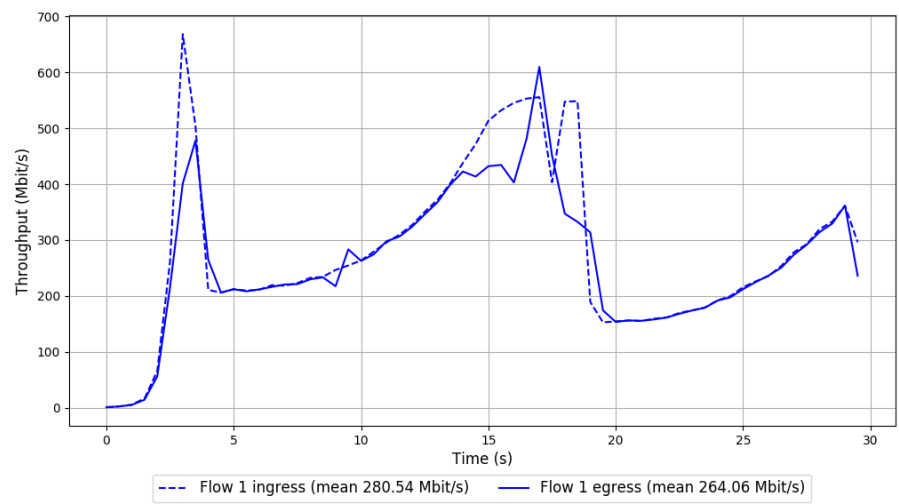
-- Flow 1:

Average throughput: 264.06 Mbit/s

95th percentile per-packet one-way delay: 229.699 ms

Loss rate: 6.27%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-28 02:14:29

End at: 2018-02-28 02:14:59

Below is generated by plot.py at 2018-02-28 07:00:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.30 Mbit/s

95th percentile per-packet one-way delay: 230.519 ms

Loss rate: 7.42%

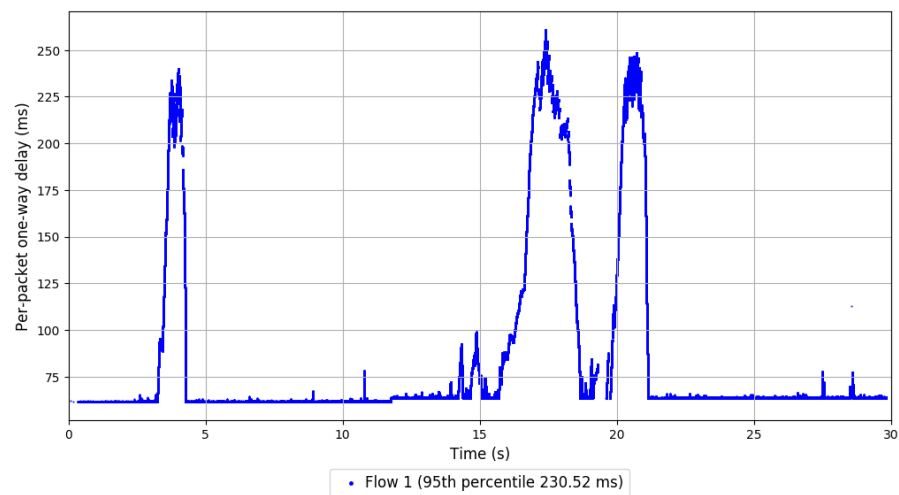
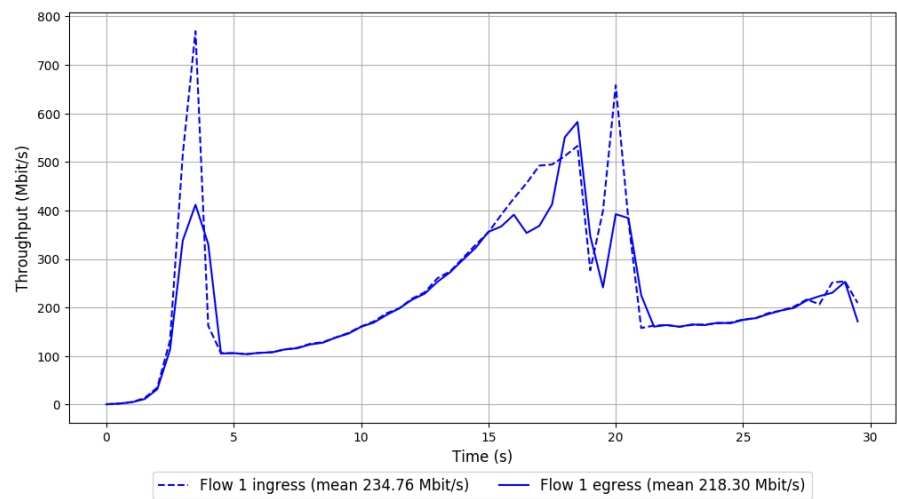
-- Flow 1:

Average throughput: 218.30 Mbit/s

95th percentile per-packet one-way delay: 230.519 ms

Loss rate: 7.42%

Run 10: Report of Vivace-loss — Data Link

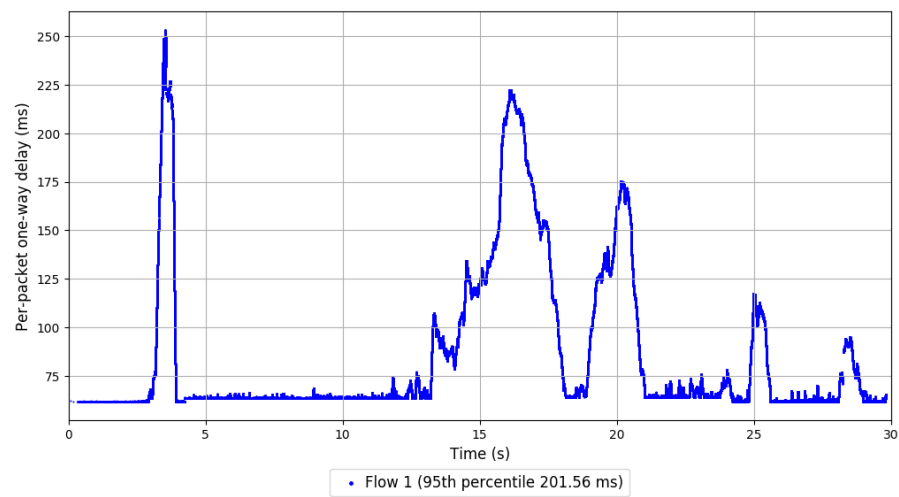
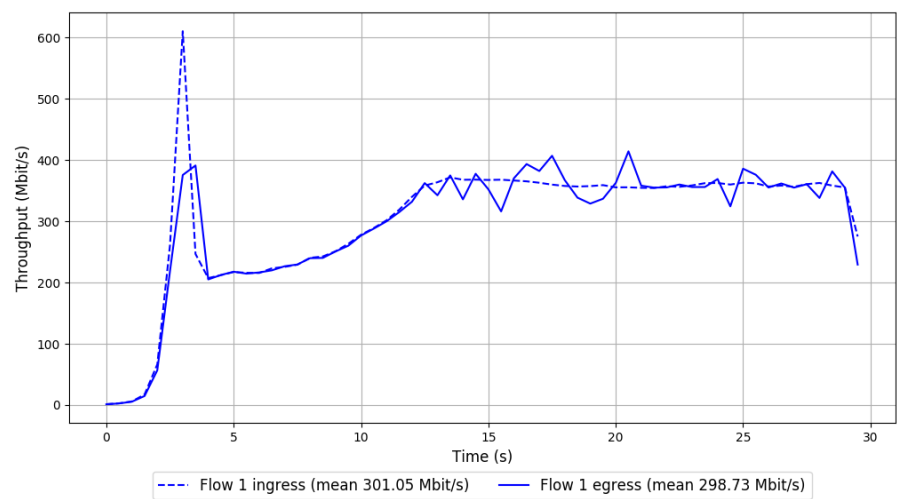


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-28 00:03:36
End at: 2018-02-28 00:04:06

# Below is generated by plot.py at 2018-02-28 07:02:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 298.73 Mbit/s
95th percentile per-packet one-way delay: 201.556 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 298.73 Mbit/s
95th percentile per-packet one-way delay: 201.556 ms
Loss rate: 1.19%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-28 00:18:24

End at: 2018-02-28 00:18:54

Below is generated by plot.py at 2018-02-28 07:02:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.68 Mbit/s

95th percentile per-packet one-way delay: 92.938 ms

Loss rate: 0.99%

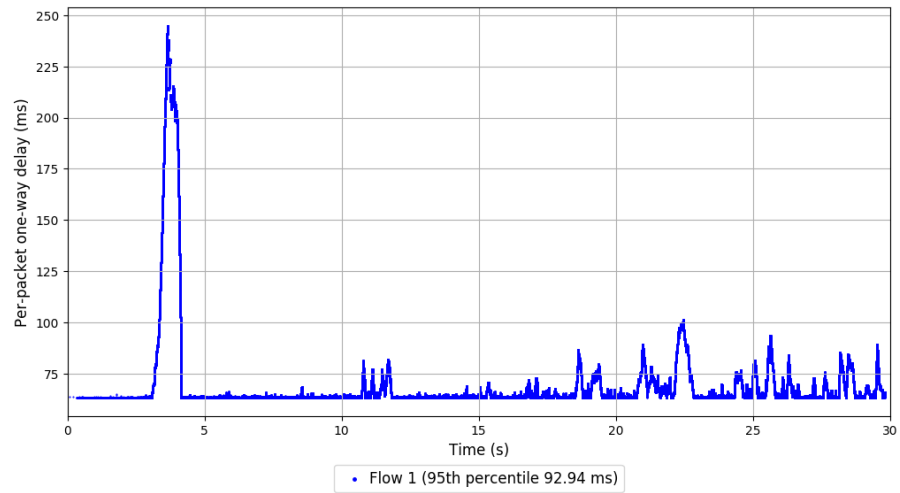
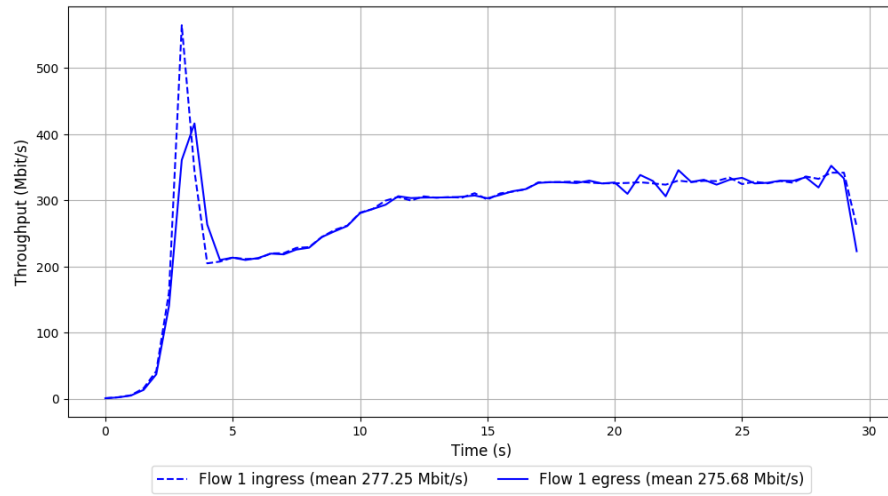
-- Flow 1:

Average throughput: 275.68 Mbit/s

95th percentile per-packet one-way delay: 92.938 ms

Loss rate: 0.99%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-28 00:33:20

End at: 2018-02-28 00:33:50

Below is generated by plot.py at 2018-02-28 07:03:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.31 Mbit/s

95th percentile per-packet one-way delay: 161.159 ms

Loss rate: 1.64%

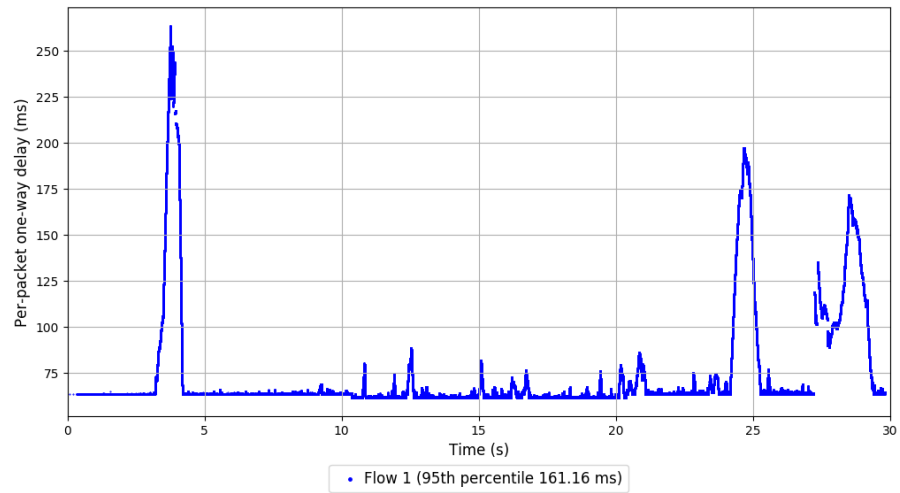
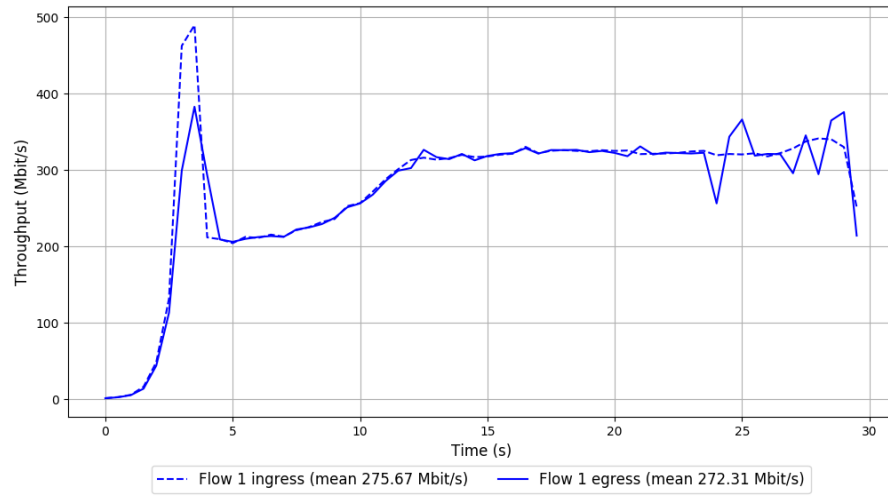
-- Flow 1:

Average throughput: 272.31 Mbit/s

95th percentile per-packet one-way delay: 161.159 ms

Loss rate: 1.64%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-28 00:47:54

End at: 2018-02-28 00:48:24

Below is generated by plot.py at 2018-02-28 07:03:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.99 Mbit/s

95th percentile per-packet one-way delay: 83.665 ms

Loss rate: 0.69%

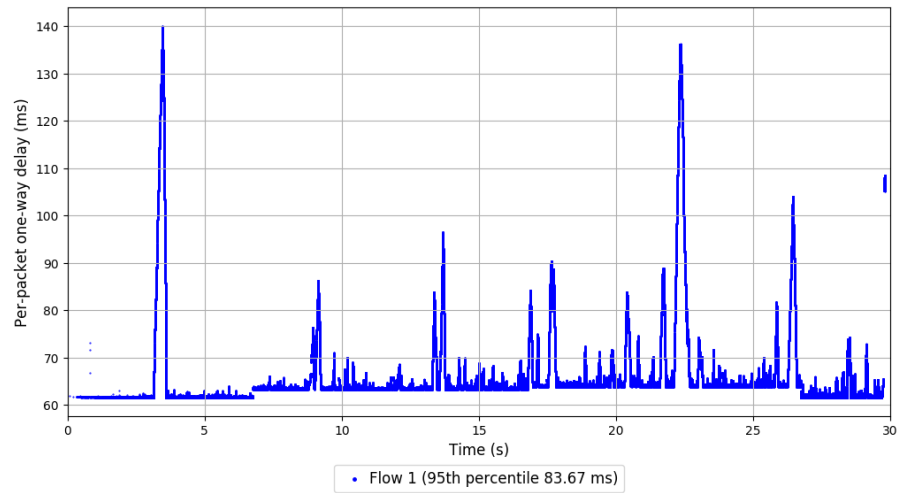
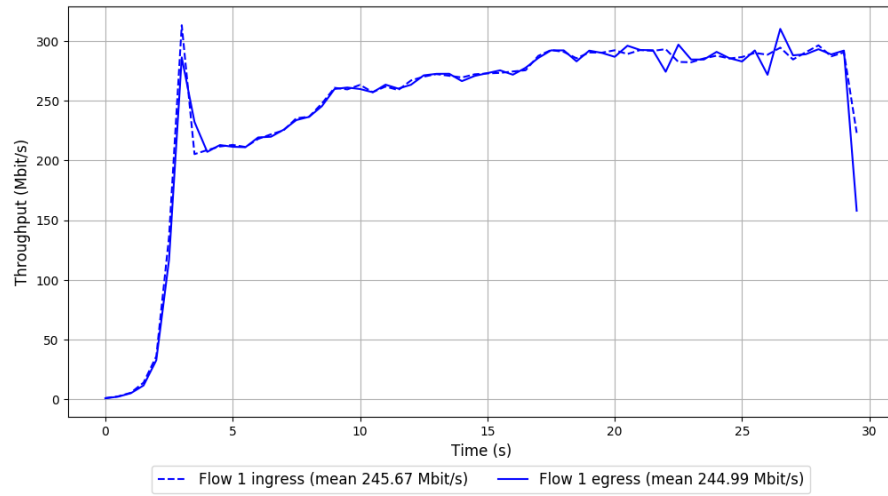
-- Flow 1:

Average throughput: 244.99 Mbit/s

95th percentile per-packet one-way delay: 83.665 ms

Loss rate: 0.69%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-28 01:03:21

End at: 2018-02-28 01:03:51

Below is generated by plot.py at 2018-02-28 07:04:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.66 Mbit/s

95th percentile per-packet one-way delay: 226.580 ms

Loss rate: 0.84%

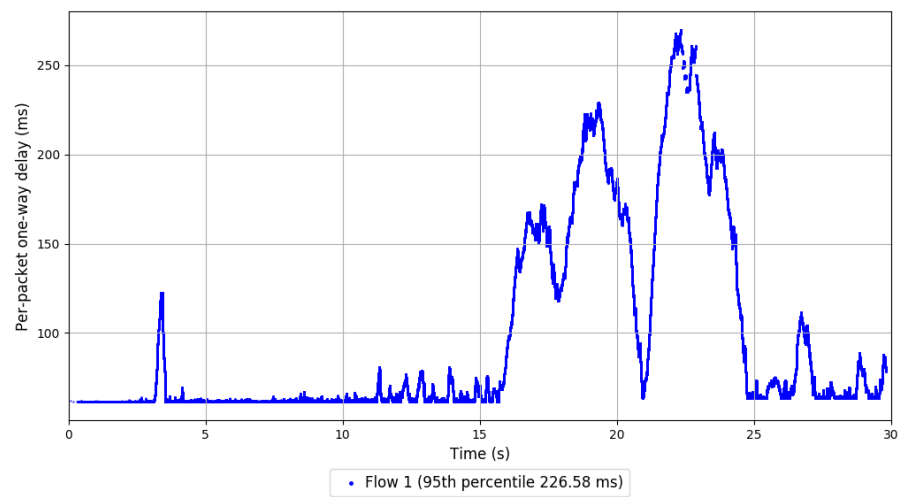
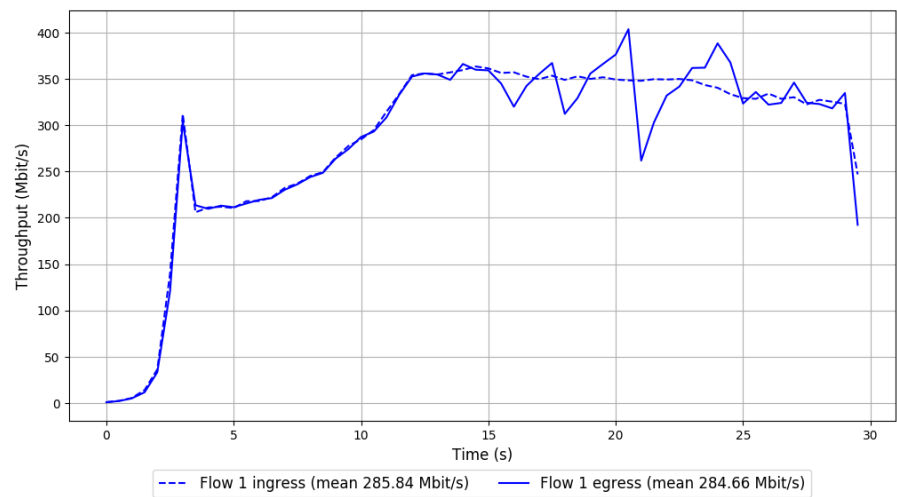
-- Flow 1:

Average throughput: 284.66 Mbit/s

95th percentile per-packet one-way delay: 226.580 ms

Loss rate: 0.84%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-28 01:18:20

End at: 2018-02-28 01:18:50

Below is generated by plot.py at 2018-02-28 07:05:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 288.45 Mbit/s

95th percentile per-packet one-way delay: 191.729 ms

Loss rate: 1.69%

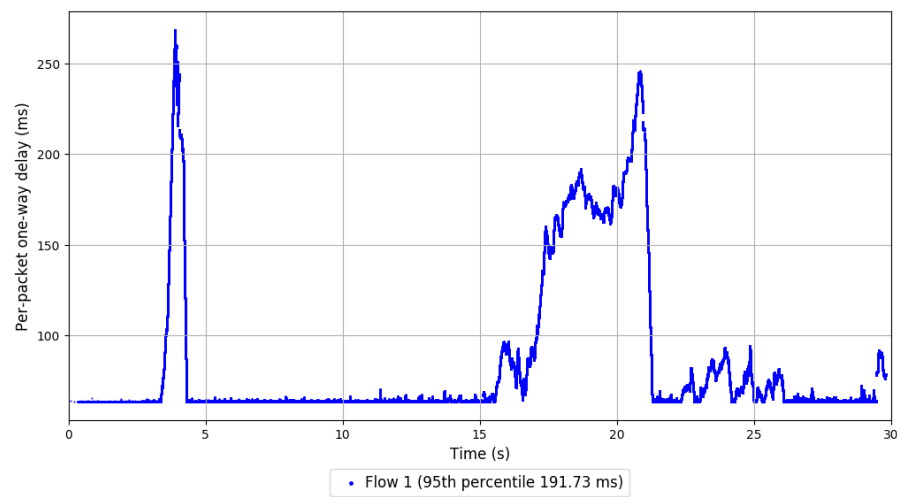
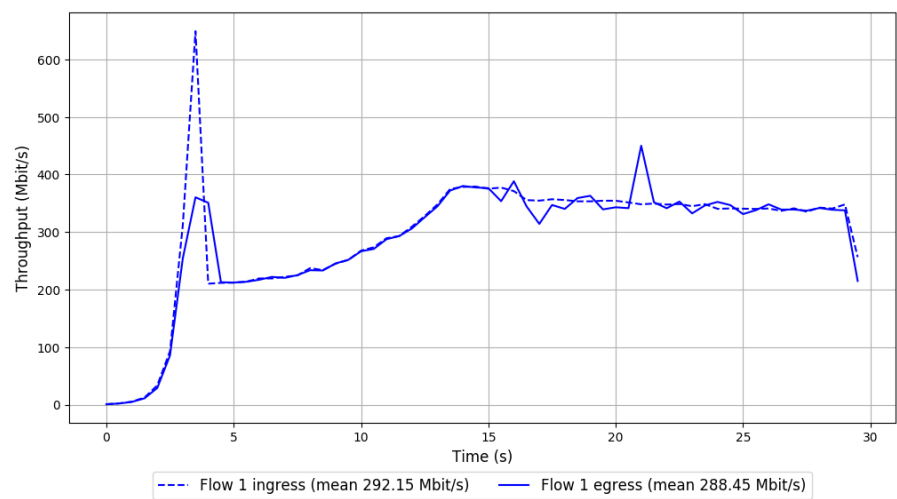
-- Flow 1:

Average throughput: 288.45 Mbit/s

95th percentile per-packet one-way delay: 191.729 ms

Loss rate: 1.69%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-28 01:33:05

End at: 2018-02-28 01:33:35

Below is generated by plot.py at 2018-02-28 07:06:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.00 Mbit/s

95th percentile per-packet one-way delay: 145.020 ms

Loss rate: 0.49%

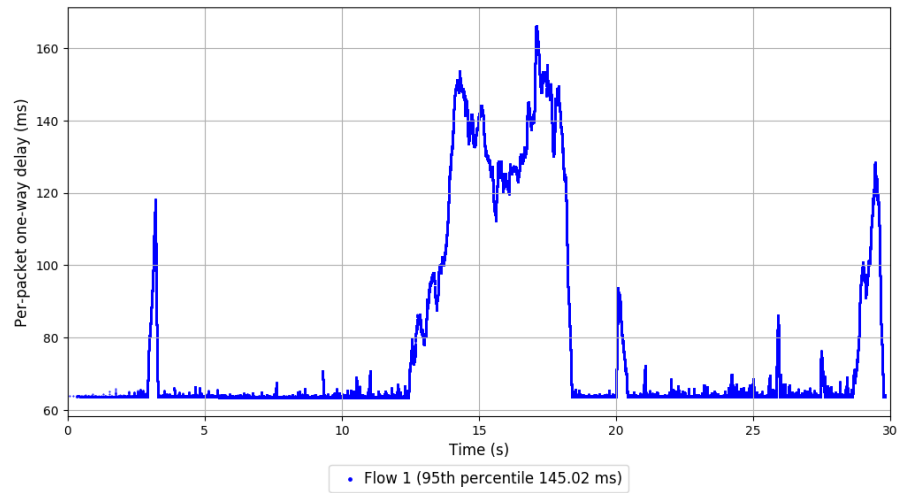
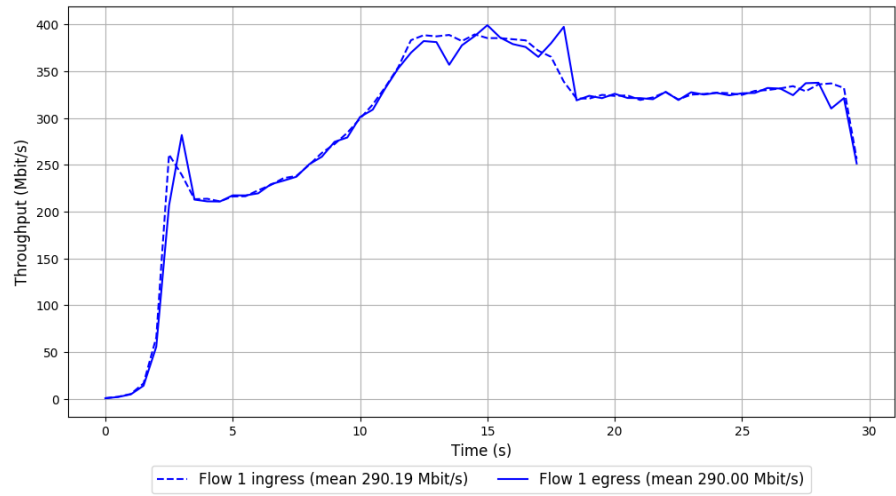
-- Flow 1:

Average throughput: 290.00 Mbit/s

95th percentile per-packet one-way delay: 145.020 ms

Loss rate: 0.49%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-28 01:47:57

End at: 2018-02-28 01:48:27

Below is generated by plot.py at 2018-02-28 07:06:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.54 Mbit/s

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

Loss rate: 1.32%

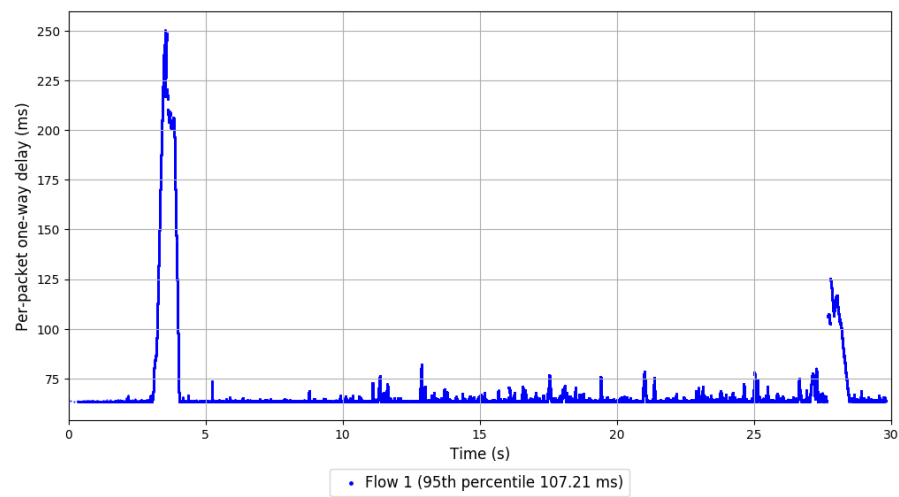
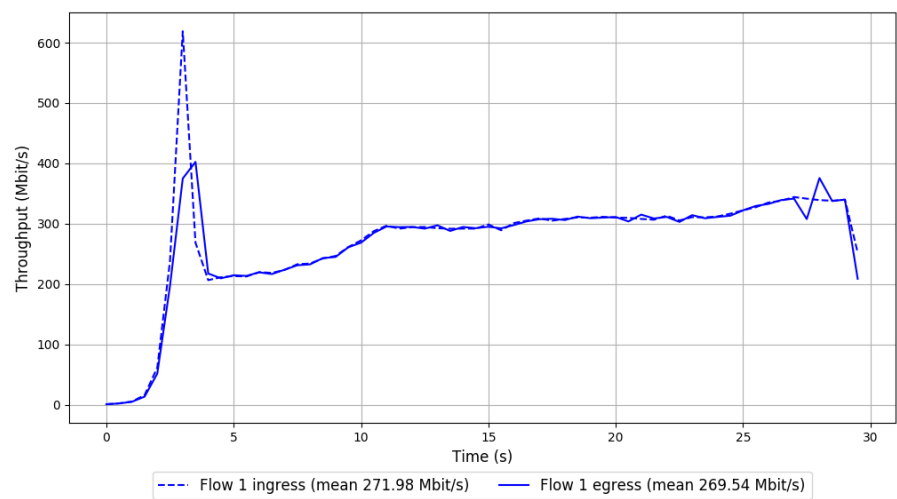
-- Flow 1:

Average throughput: 269.54 Mbit/s

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

Loss rate: 1.32%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-28 02:02:46

End at: 2018-02-28 02:03:16

Below is generated by plot.py at 2018-02-28 07:06:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.47 Mbit/s

95th percentile per-packet one-way delay: 92.224 ms

Loss rate: 0.61%

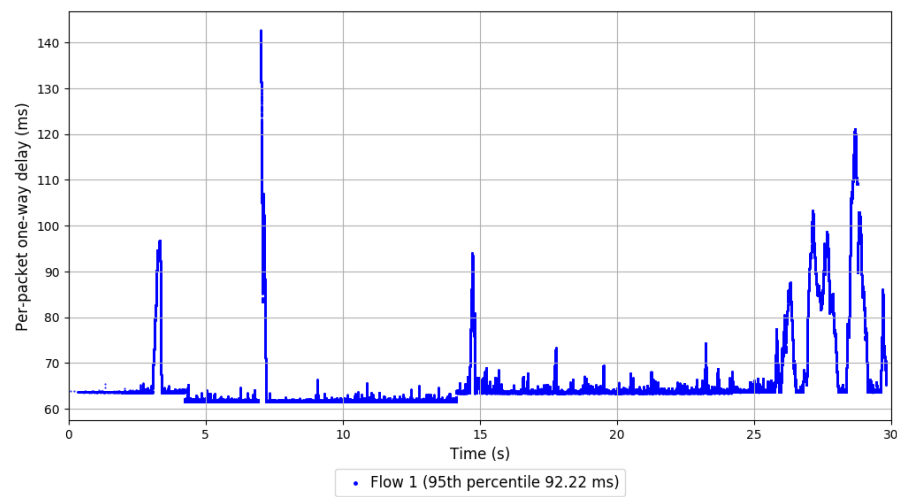
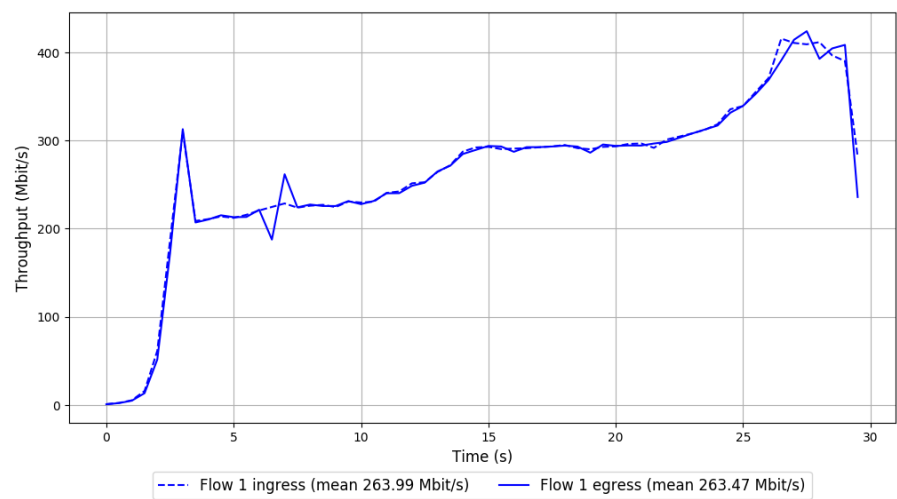
-- Flow 1:

Average throughput: 263.47 Mbit/s

95th percentile per-packet one-way delay: 92.224 ms

Loss rate: 0.61%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-02-28 02:17:22
End at: 2018-02-28 02:17:52

# Below is generated by plot.py at 2018-02-28 07:06:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 281.49 Mbit/s
95th percentile per-packet one-way delay: 180.981 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 281.49 Mbit/s
95th percentile per-packet one-way delay: 180.981 ms
Loss rate: 1.43%
```

Run 10: Report of Vivace-LTE — Data Link

