

Pantheon Report

Generated at 2018-04-25 01:23:37 (UTC).

Data path: GCE Iowa Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

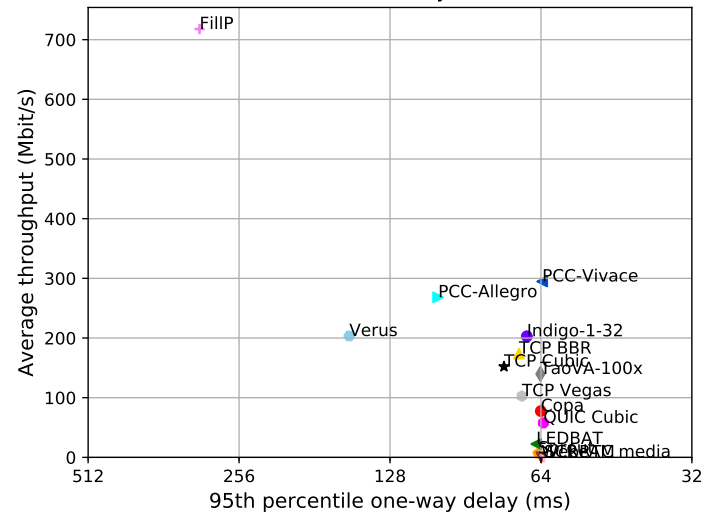
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

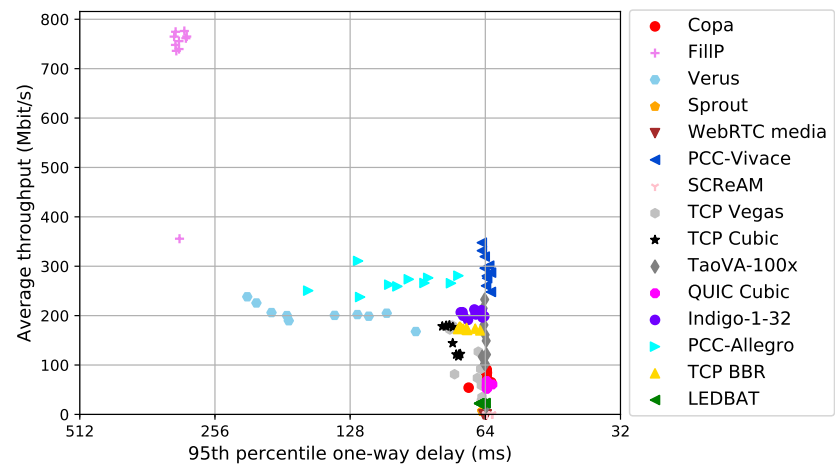
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
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 @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	173.88	70.80	0.01
TCP Cubic	10	152.04	75.84	0.01
LEDBAT	10	22.36	65.42	0.01
PCC-Allegro	10	268.34	102.61	0.23
QUIC Cubic	9	57.84	63.28	0.00
SCReAM	10	0.22	63.09	0.00
WebRTC media	10	0.06	63.91	0.00
Sprout	10	6.48	64.86	0.00
TaoVA-100x	10	139.73	64.17	0.00
TCP Vegas	10	102.65	69.84	0.01
Verus	10	203.37	154.35	0.14
Copa	10	77.54	64.03	0.00
FillP	10	717.76	306.97	4.69
Indigo-1-32	10	202.90	68.28	0.00
PCC-Vivace	10	294.76	63.65	0.00
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 21:04:23

End at: 2018-04-24 21:04:53

Below is generated by plot.py at 2018-04-25 00:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.12 Mbit/s

95th percentile per-packet one-way delay: 70.460 ms

Loss rate: 0.01%

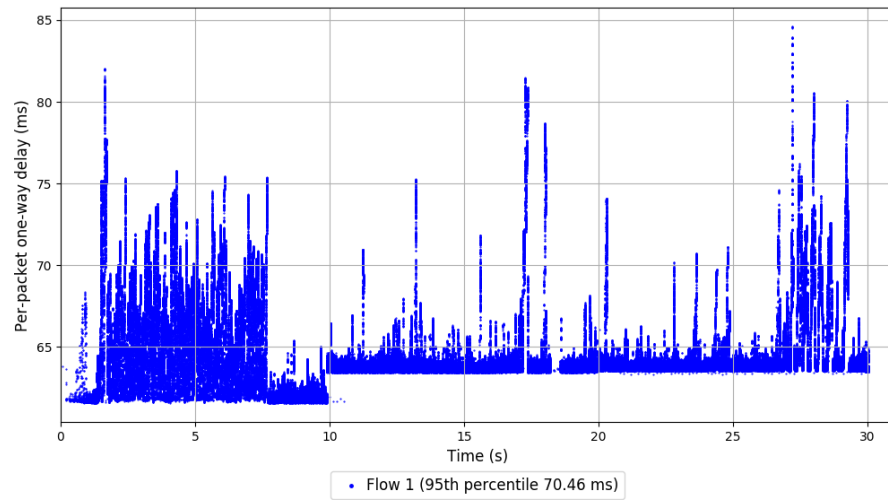
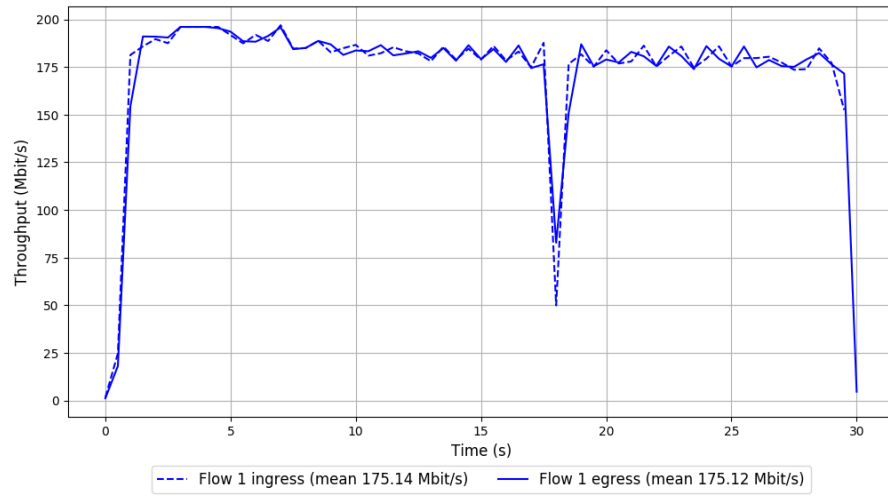
-- Flow 1:

Average throughput: 175.12 Mbit/s

95th percentile per-packet one-way delay: 70.460 ms

Loss rate: 0.01%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 21:17:25

End at: 2018-04-24 21:17:55

Below is generated by plot.py at 2018-04-25 00:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.22 Mbit/s

95th percentile per-packet one-way delay: 70.502 ms

Loss rate: 0.00%

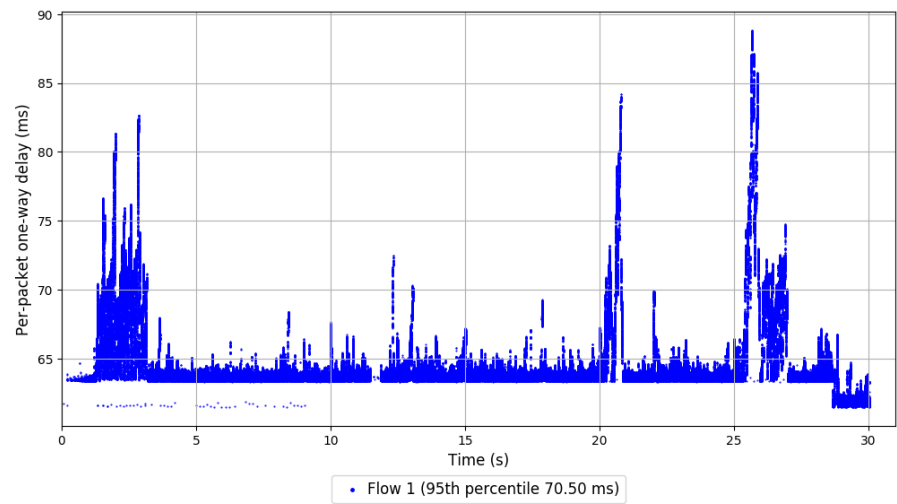
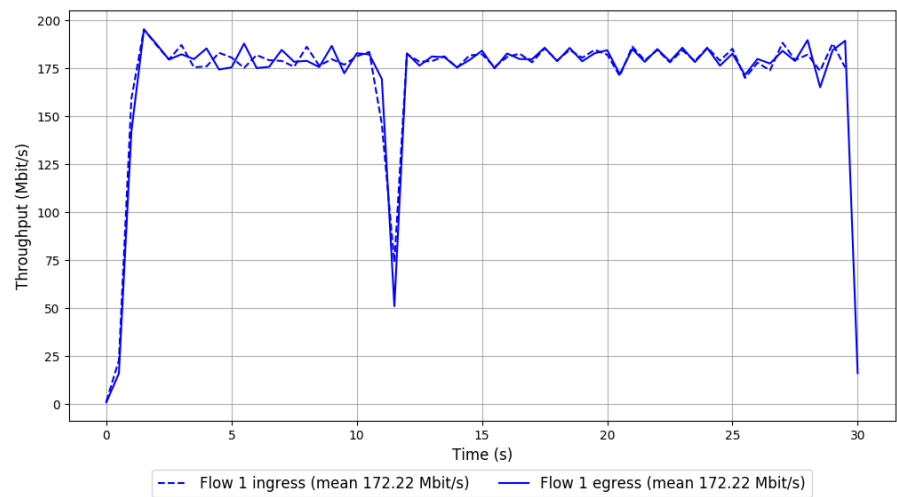
-- Flow 1:

Average throughput: 172.22 Mbit/s

95th percentile per-packet one-way delay: 70.502 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 21:30:21

End at: 2018-04-24 21:30:51

Below is generated by plot.py at 2018-04-25 00:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.90 Mbit/s

95th percentile per-packet one-way delay: 71.701 ms

Loss rate: 0.01%

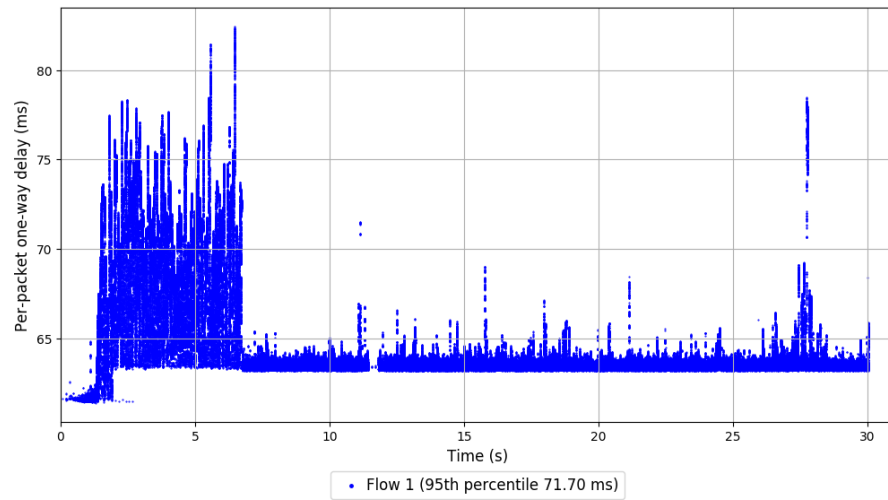
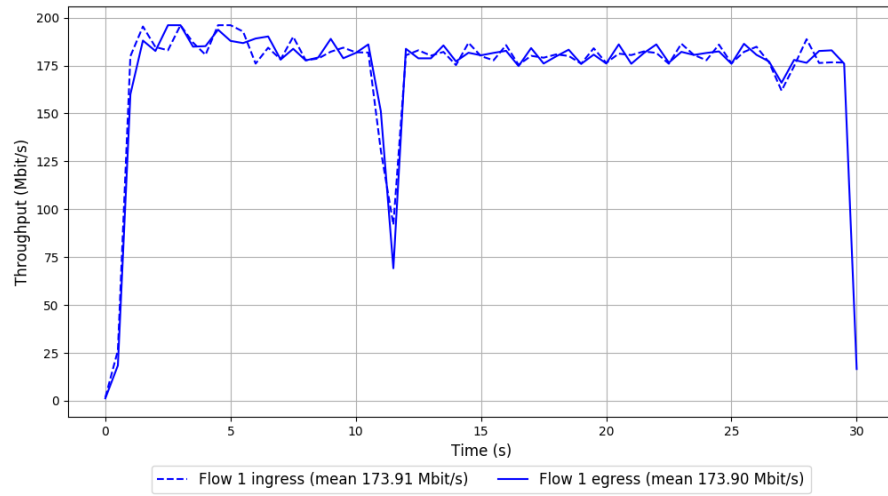
-- Flow 1:

Average throughput: 173.90 Mbit/s

95th percentile per-packet one-way delay: 71.701 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 21:43:33

End at: 2018-04-24 21:44:03

Below is generated by plot.py at 2018-04-25 00:28:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.47 Mbit/s

95th percentile per-packet one-way delay: 73.084 ms

Loss rate: 0.01%

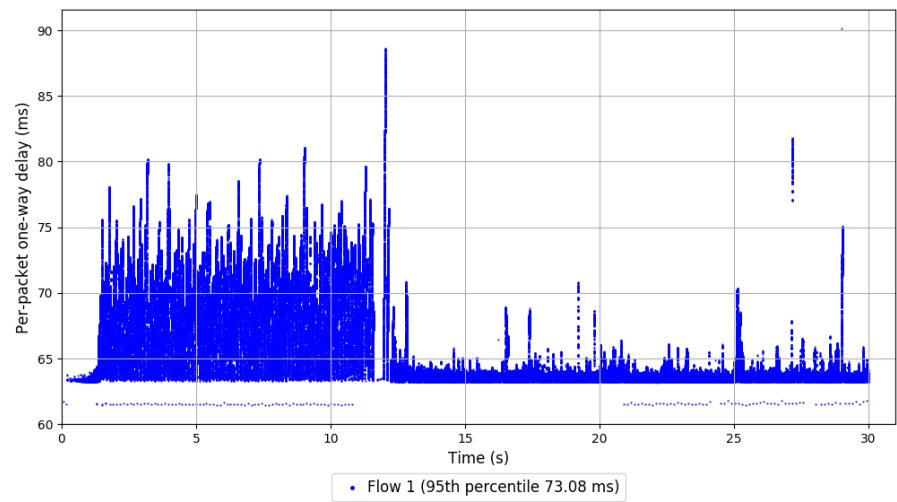
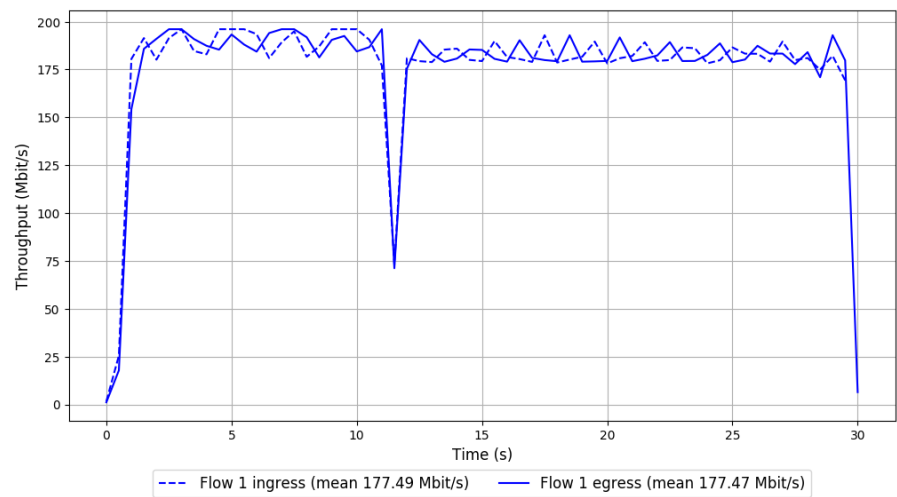
-- Flow 1:

Average throughput: 177.47 Mbit/s

95th percentile per-packet one-way delay: 73.084 ms

Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 21:56:32

End at: 2018-04-24 21:57:02

Below is generated by plot.py at 2018-04-25 00:28:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.14 Mbit/s

95th percentile per-packet one-way delay: 72.501 ms

Loss rate: 0.01%

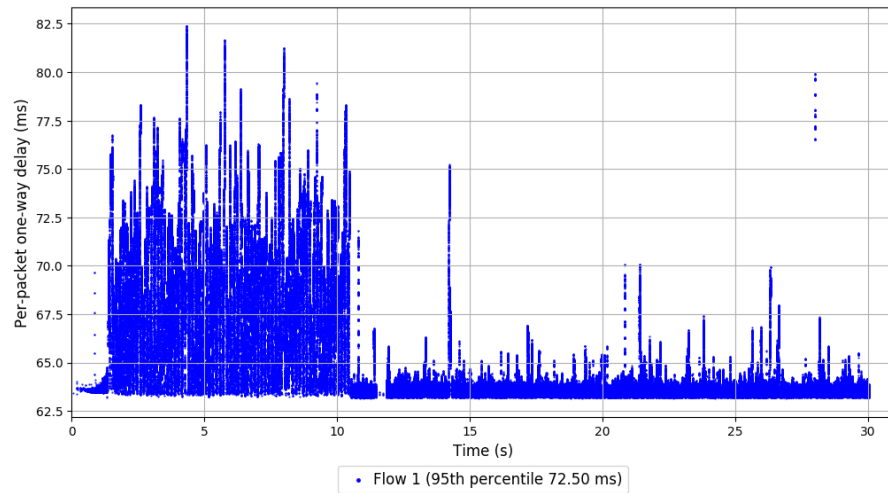
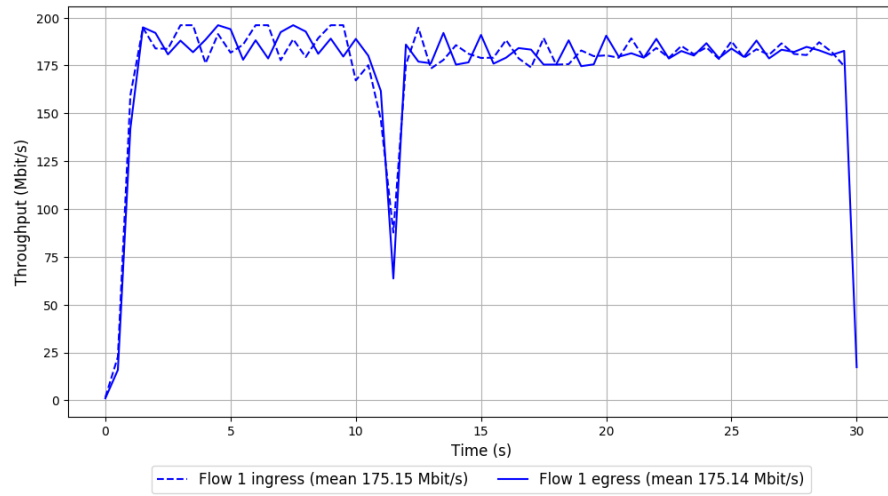
-- Flow 1:

Average throughput: 175.14 Mbit/s

95th percentile per-packet one-way delay: 72.501 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 22:09:13

End at: 2018-04-24 22:09:43

Below is generated by plot.py at 2018-04-25 00:28:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.36 Mbit/s

95th percentile per-packet one-way delay: 72.793 ms

Loss rate: 0.00%

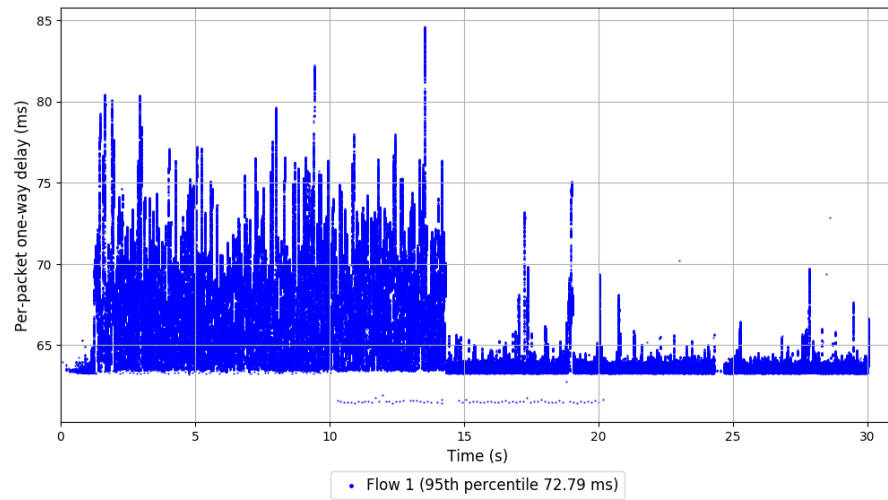
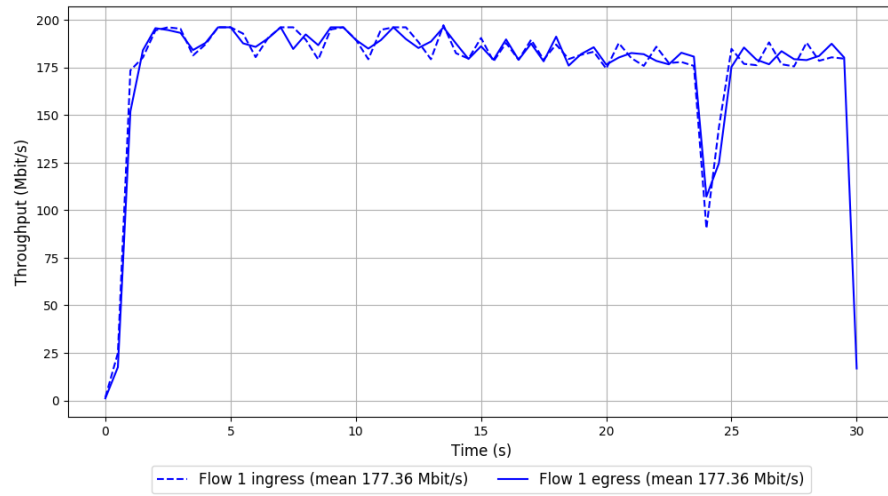
-- Flow 1:

Average throughput: 177.36 Mbit/s

95th percentile per-packet one-way delay: 72.793 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 22:22:23

End at: 2018-04-24 22:22:53

Below is generated by plot.py at 2018-04-25 00:28:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.08 Mbit/s

95th percentile per-packet one-way delay: 65.666 ms

Loss rate: 0.01%

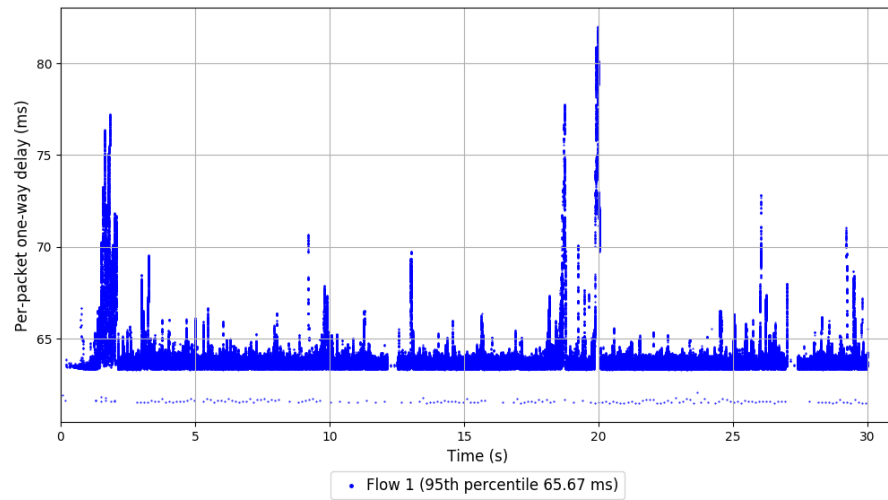
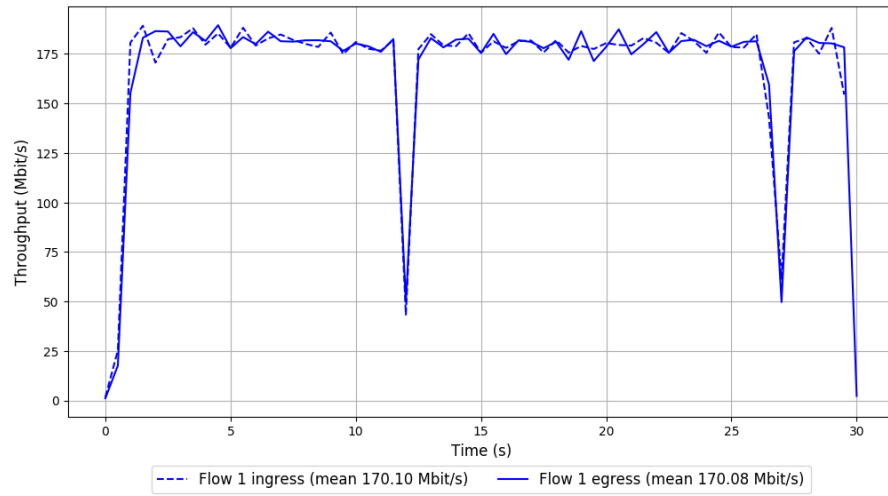
-- Flow 1:

Average throughput: 170.08 Mbit/s

95th percentile per-packet one-way delay: 65.666 ms

Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 22:35:28

End at: 2018-04-24 22:35:58

Below is generated by plot.py at 2018-04-25 00:28:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.73 Mbit/s

95th percentile per-packet one-way delay: 67.390 ms

Loss rate: 0.01%

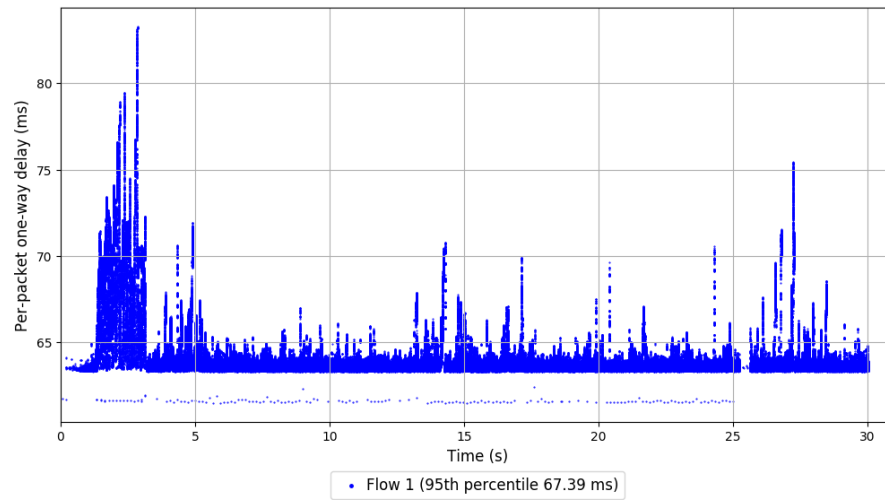
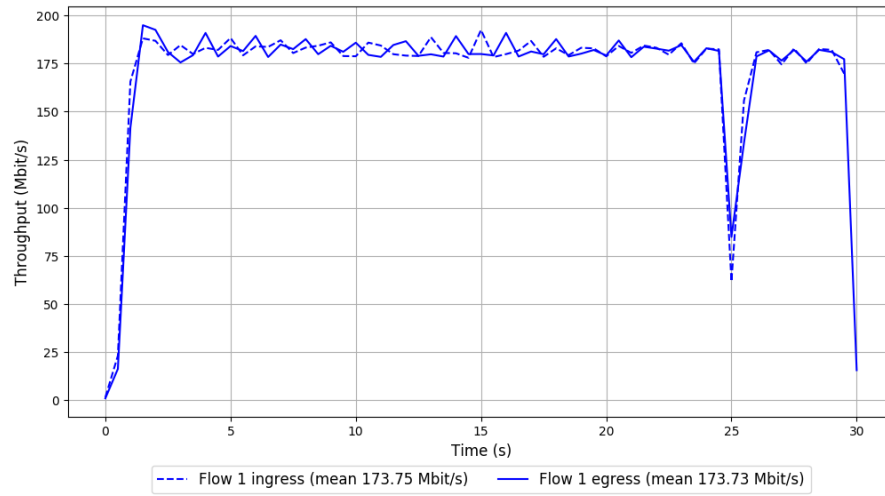
-- Flow 1:

Average throughput: 173.73 Mbit/s

95th percentile per-packet one-way delay: 67.390 ms

Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 22:48:29

End at: 2018-04-24 22:48:59

Below is generated by plot.py at 2018-04-25 00:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.82 Mbit/s

95th percentile per-packet one-way delay: 73.637 ms

Loss rate: 0.00%

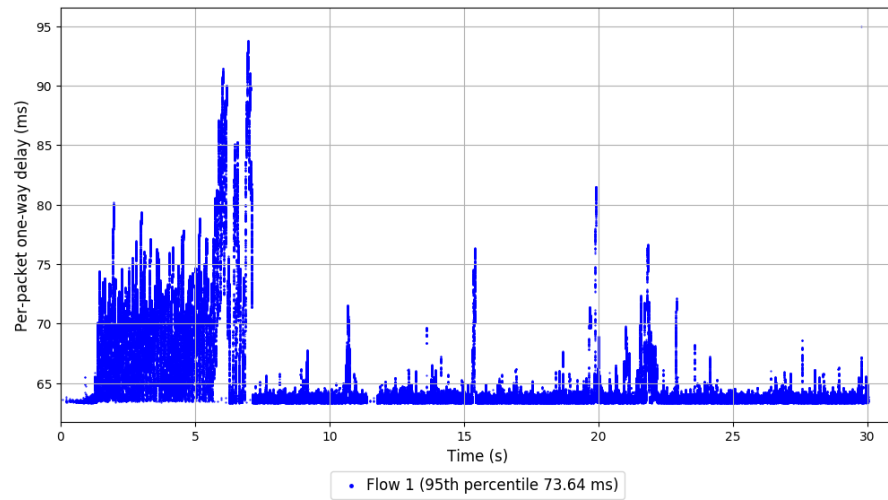
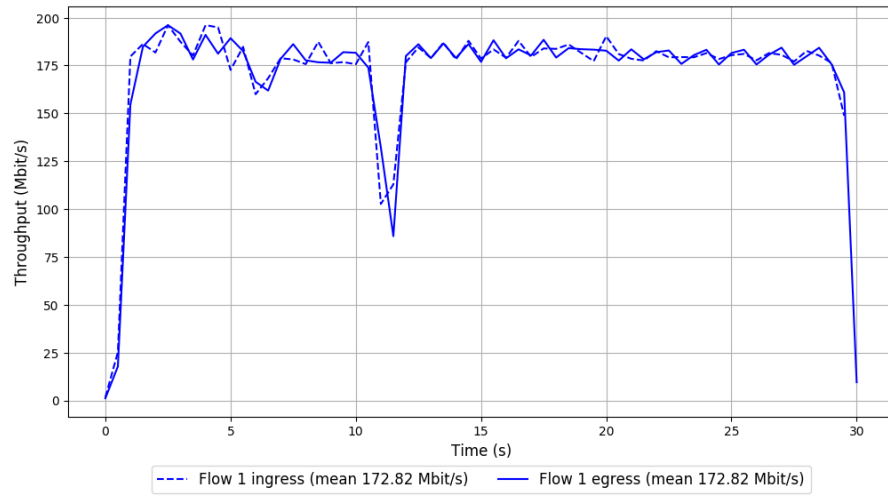
-- Flow 1:

Average throughput: 172.82 Mbit/s

95th percentile per-packet one-way delay: 73.637 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 23:01:48

End at: 2018-04-24 23:02:19

Below is generated by plot.py at 2018-04-25 00:31:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.94 Mbit/s

95th percentile per-packet one-way delay: 70.254 ms

Loss rate: 0.00%

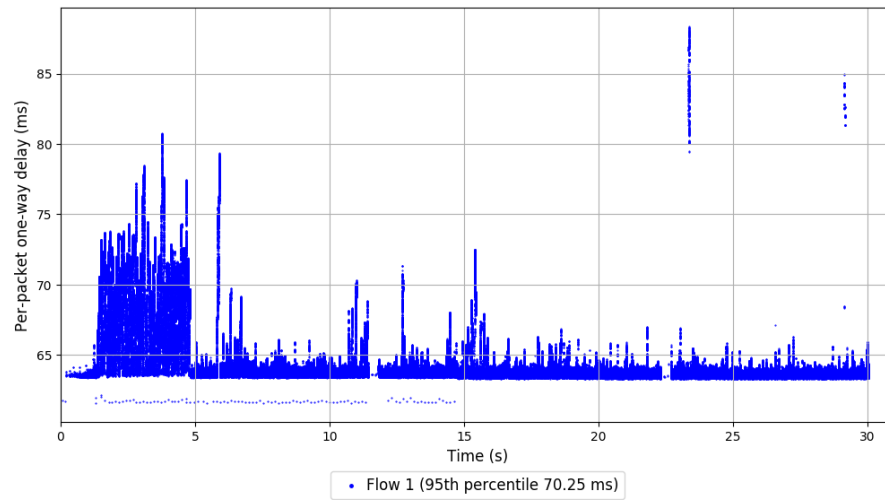
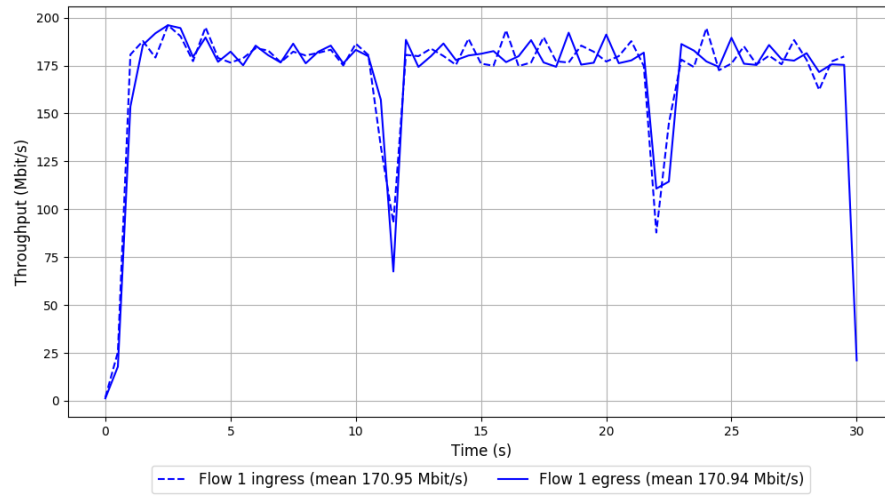
-- Flow 1:

Average throughput: 170.94 Mbit/s

95th percentile per-packet one-way delay: 70.254 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 20:59:59

End at: 2018-04-24 21:00:29

Below is generated by plot.py at 2018-04-25 00:31:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.40 Mbit/s

95th percentile per-packet one-way delay: 72.795 ms

Loss rate: 0.00%

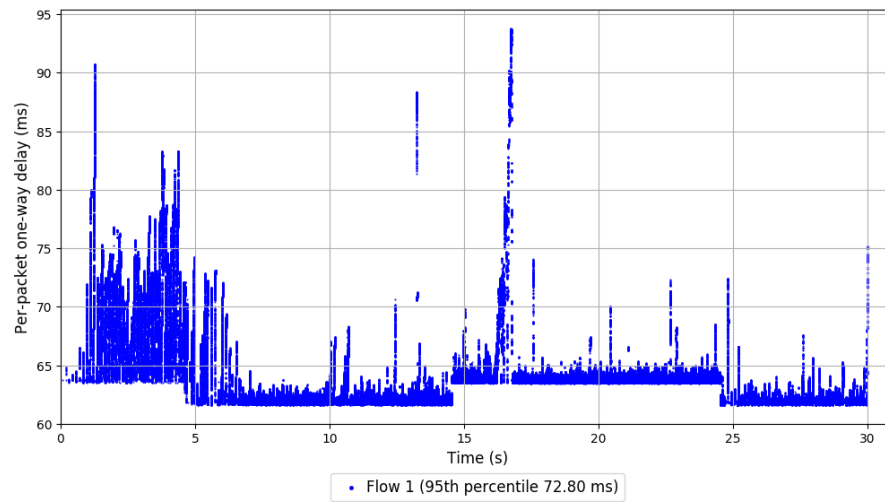
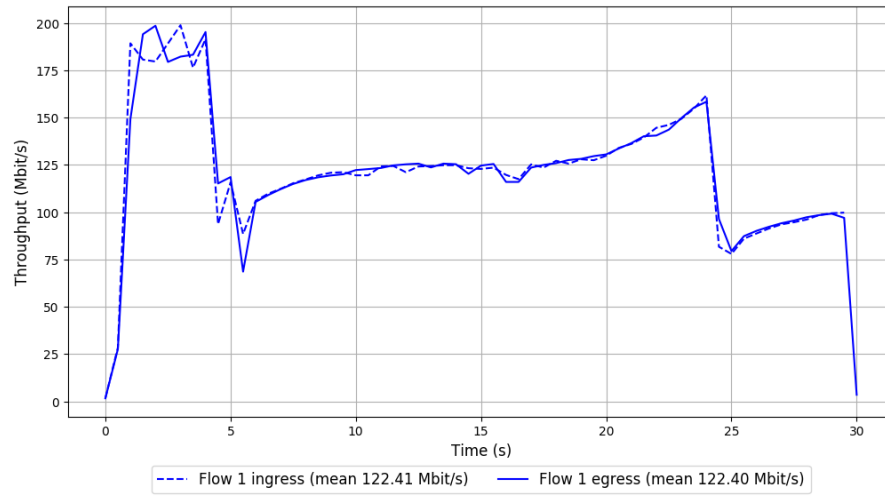
-- Flow 1:

Average throughput: 122.40 Mbit/s

95th percentile per-packet one-way delay: 72.795 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 21:12:50

End at: 2018-04-24 21:13:20

Below is generated by plot.py at 2018-04-25 00:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.38 Mbit/s

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

Loss rate: 0.00%

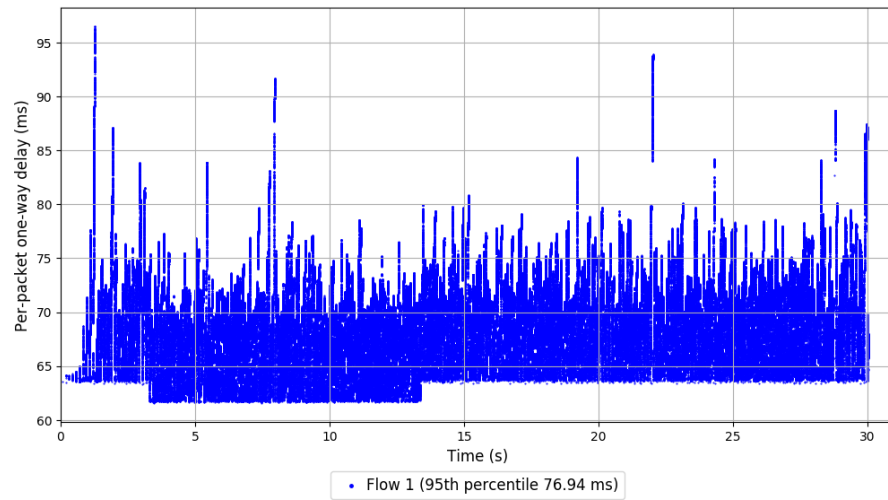
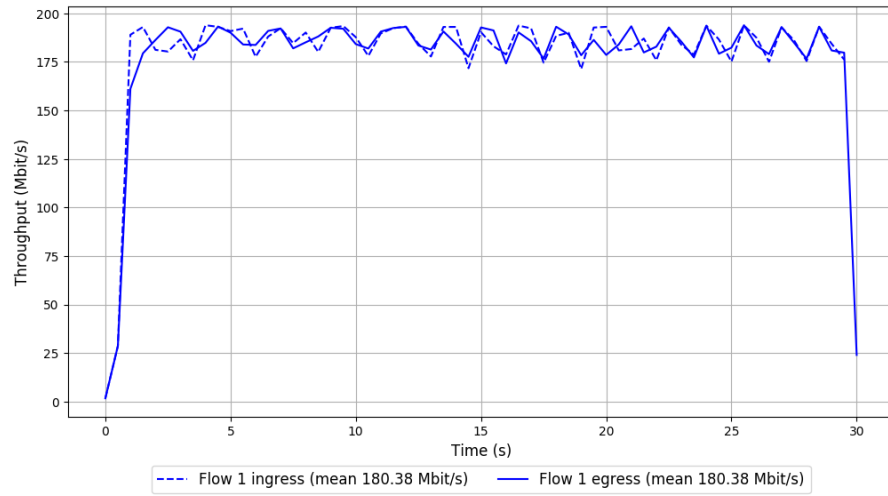
-- Flow 1:

Average throughput: 180.38 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 21:25:50

End at: 2018-04-24 21:26:20

Below is generated by plot.py at 2018-04-25 00:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.63 Mbit/s

95th percentile per-packet one-way delay: 73.463 ms

Loss rate: 0.00%

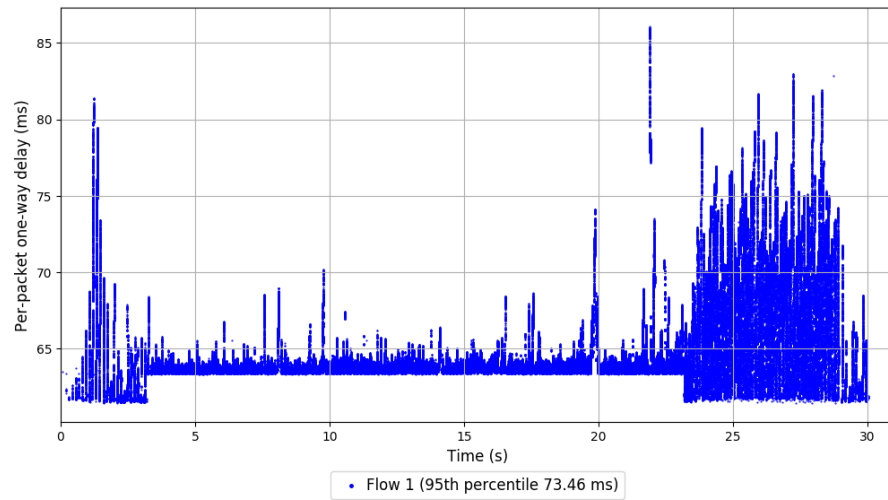
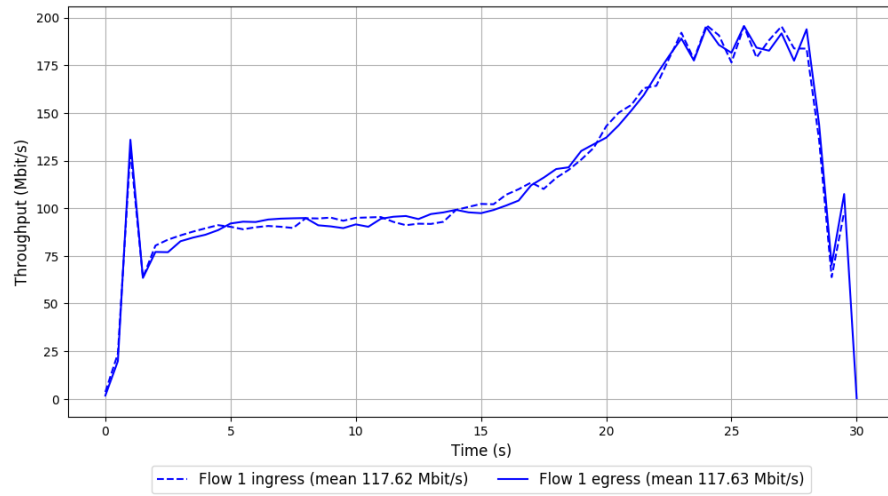
-- Flow 1:

Average throughput: 117.63 Mbit/s

95th percentile per-packet one-way delay: 73.463 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 21:39:02

End at: 2018-04-24 21:39:32

Below is generated by plot.py at 2018-04-25 00:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.28 Mbit/s

95th percentile per-packet one-way delay: 78.383 ms

Loss rate: 0.00%

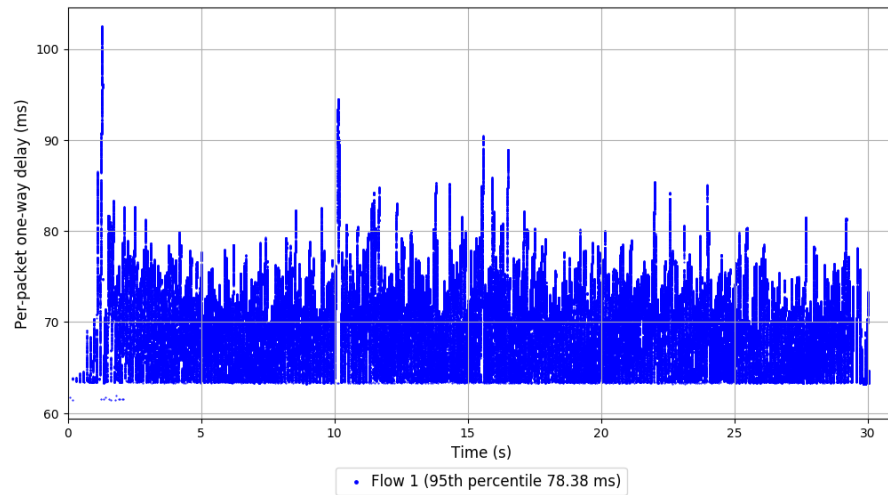
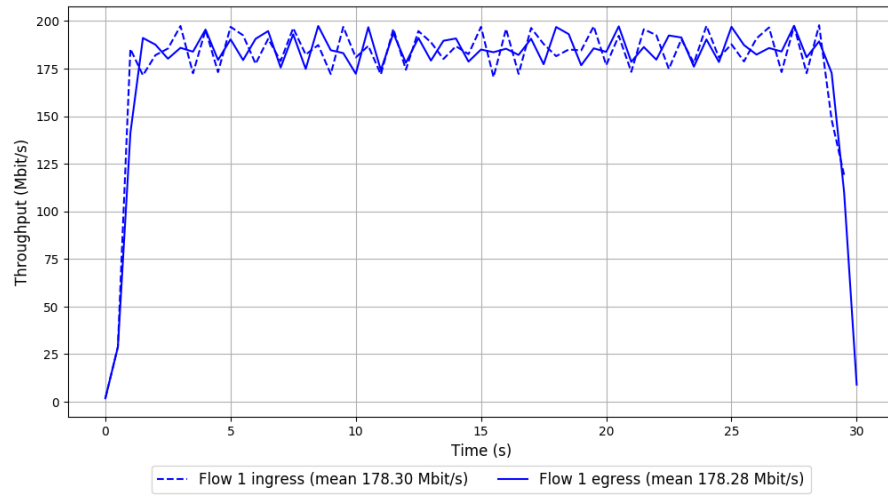
-- Flow 1:

Average throughput: 178.28 Mbit/s

95th percentile per-packet one-way delay: 78.383 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 21:52:00

End at: 2018-04-24 21:52:30

Below is generated by plot.py at 2018-04-25 00:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.30 Mbit/s

95th percentile per-packet one-way delay: 75.657 ms

Loss rate: 0.01%

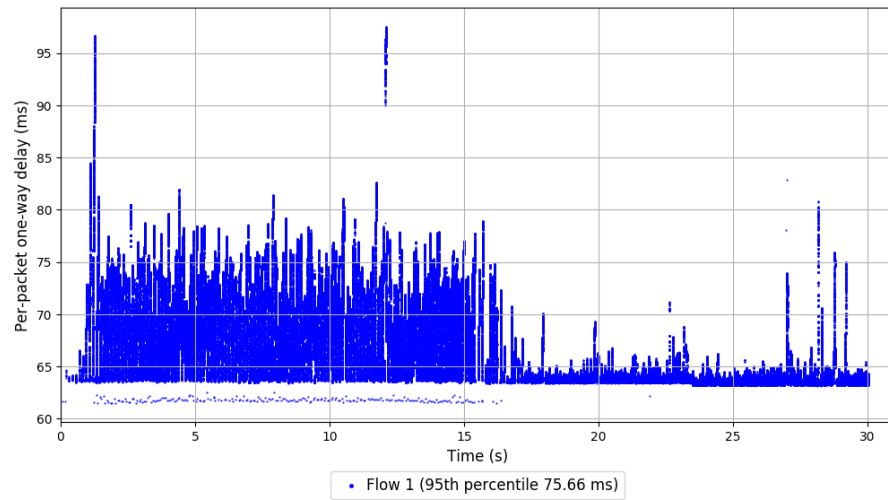
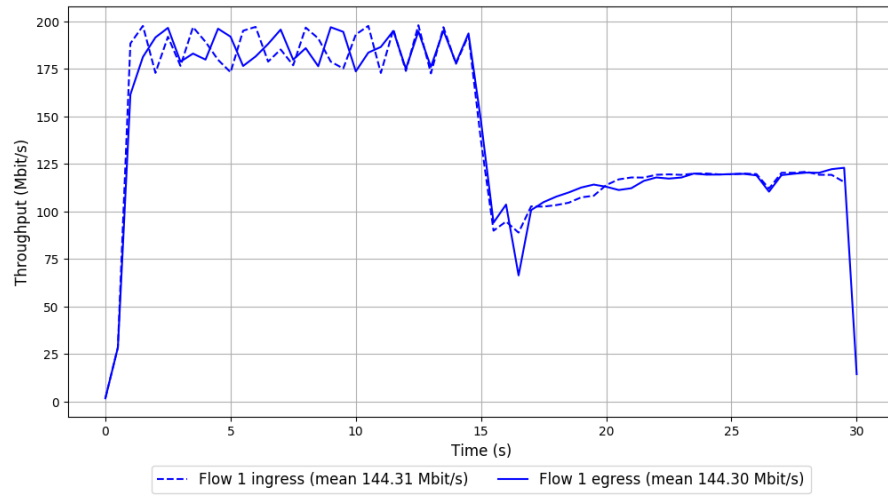
-- Flow 1:

Average throughput: 144.30 Mbit/s

95th percentile per-packet one-way delay: 75.657 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 22:04:44

End at: 2018-04-24 22:05:14

Below is generated by plot.py at 2018-04-25 00:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.32 Mbit/s

95th percentile per-packet one-way delay: 74.297 ms

Loss rate: 0.00%

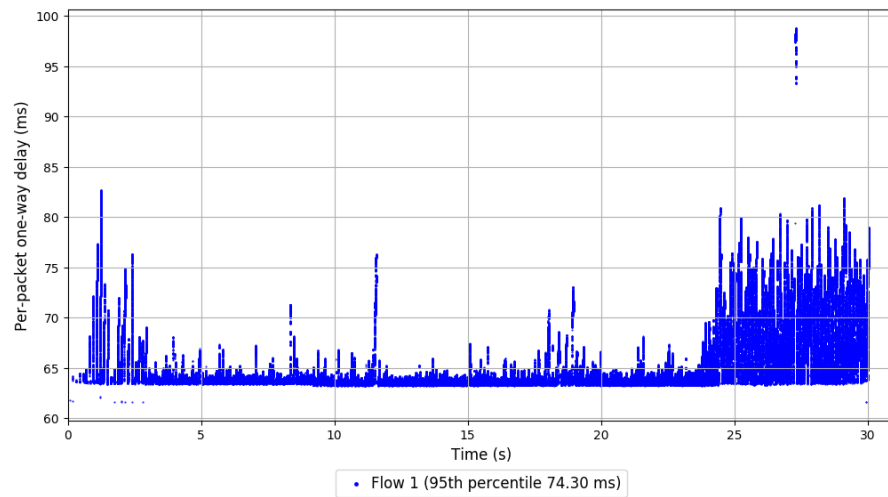
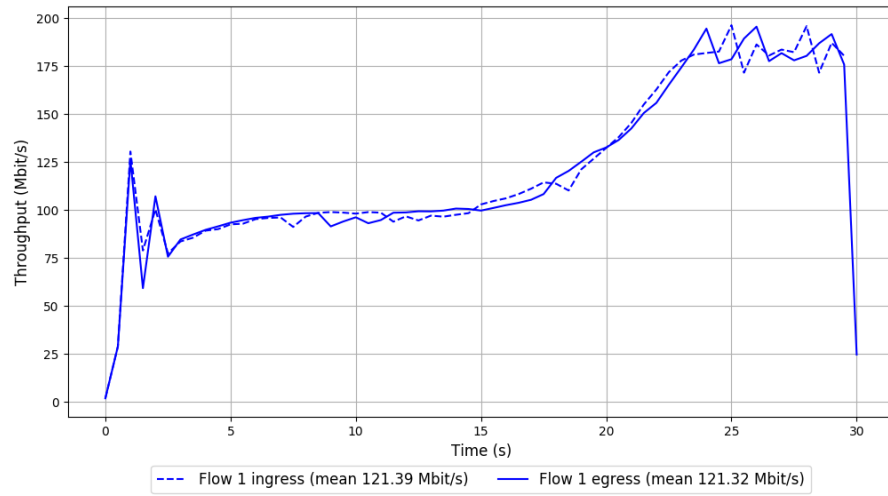
-- Flow 1:

Average throughput: 121.32 Mbit/s

95th percentile per-packet one-way delay: 74.297 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 22:17:46

End at: 2018-04-24 22:18:16

Below is generated by plot.py at 2018-04-25 00:33:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.71 Mbit/s

95th percentile per-packet one-way delay: 75.574 ms

Loss rate: 0.00%

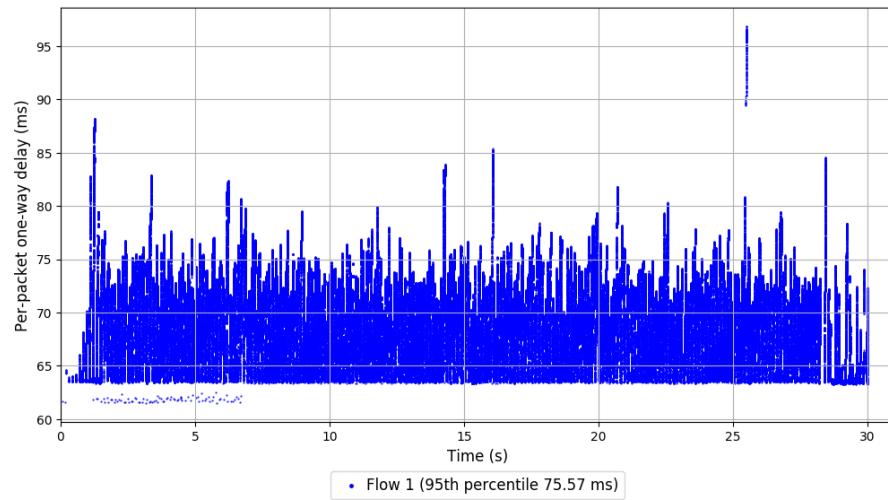
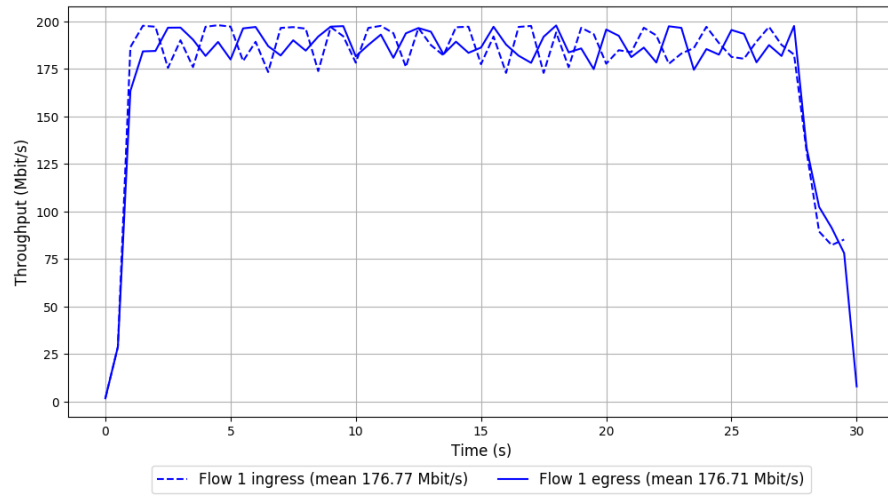
-- Flow 1:

Average throughput: 176.71 Mbit/s

95th percentile per-packet one-way delay: 75.574 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 22:31:00

End at: 2018-04-24 22:31:30

Below is generated by plot.py at 2018-04-25 00:33:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.36 Mbit/s

95th percentile per-packet one-way delay: 73.275 ms

Loss rate: 0.01%

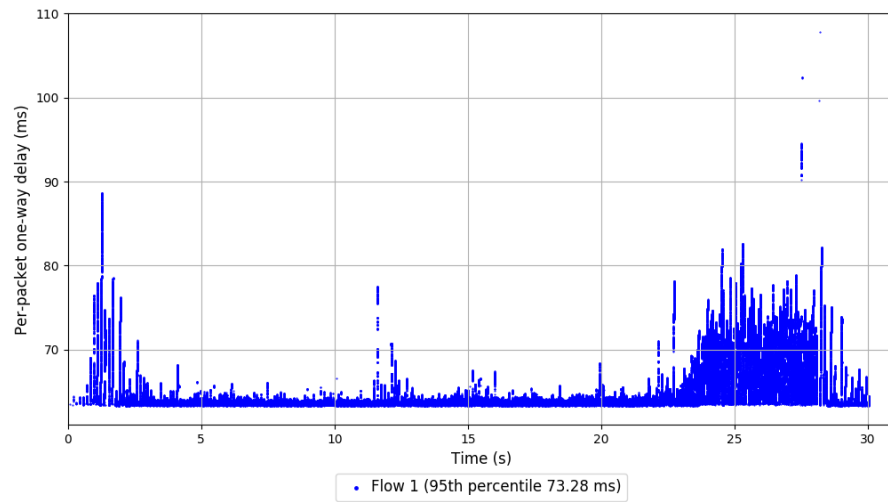
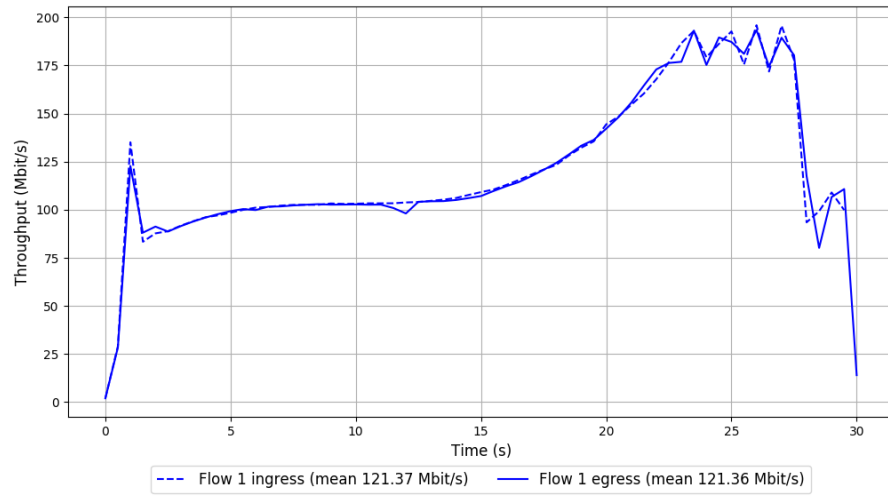
-- Flow 1:

Average throughput: 121.36 Mbit/s

95th percentile per-packet one-way delay: 73.275 ms

Loss rate: 0.01%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 22:43:58

End at: 2018-04-24 22:44:28

Below is generated by plot.py at 2018-04-25 00:33:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.38 Mbit/s

95th percentile per-packet one-way delay: 79.781 ms

Loss rate: 0.00%

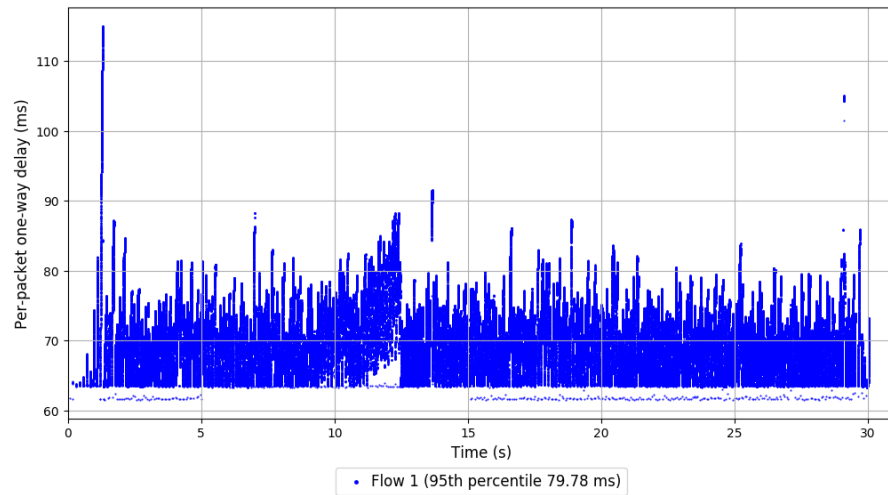
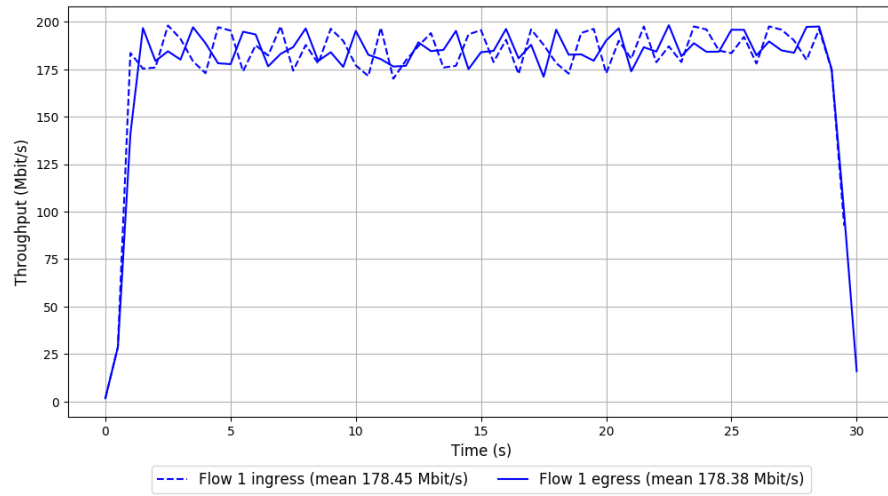
-- Flow 1:

Average throughput: 178.38 Mbit/s

95th percentile per-packet one-way delay: 79.781 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 22:57:11

End at: 2018-04-24 22:57:41

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.62 Mbit/s

95th percentile per-packet one-way delay: 78.222 ms

Loss rate: 0.03%

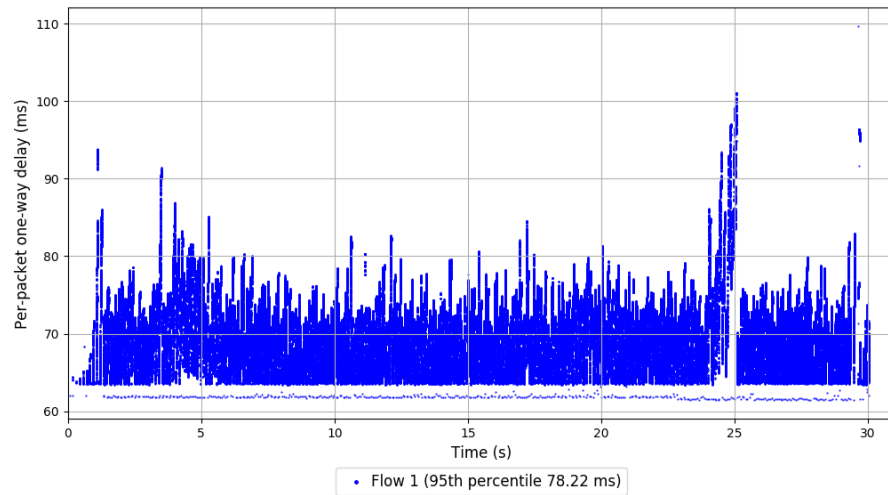
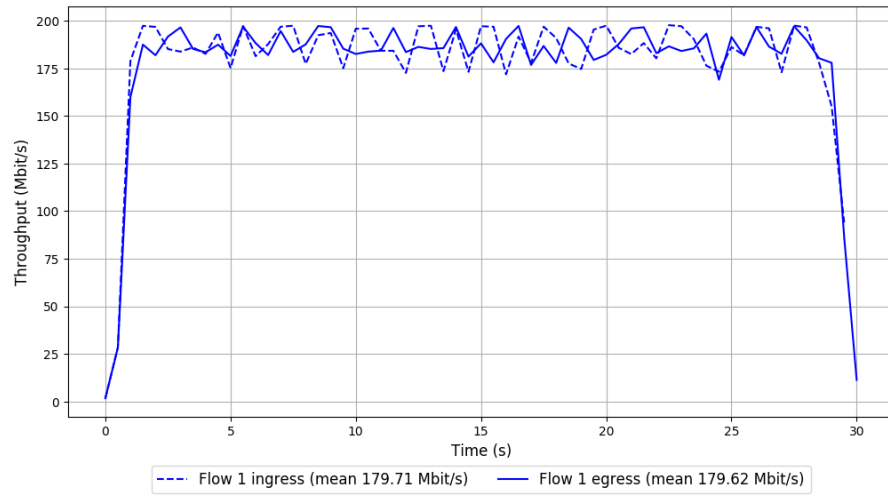
-- Flow 1:

Average throughput: 179.62 Mbit/s

95th percentile per-packet one-way delay: 78.222 ms

Loss rate: 0.03%

Run 10: Report of TCP Cubic — Data Link

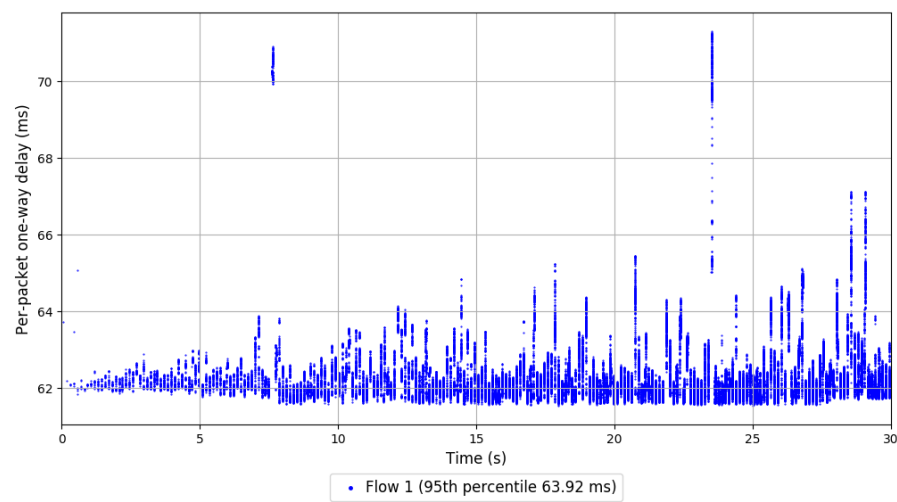
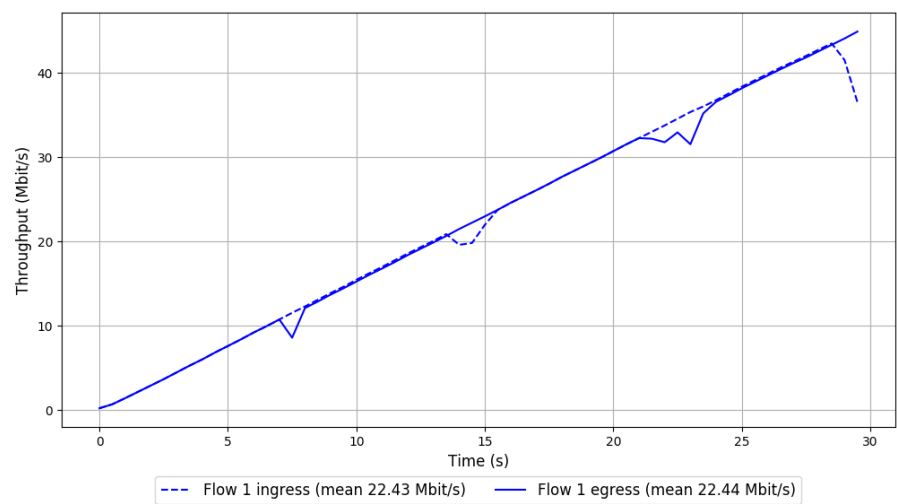


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 21:02:15
End at: 2018-04-24 21:02:45

# Below is generated by plot.py at 2018-04-25 00:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 63.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 63.917 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

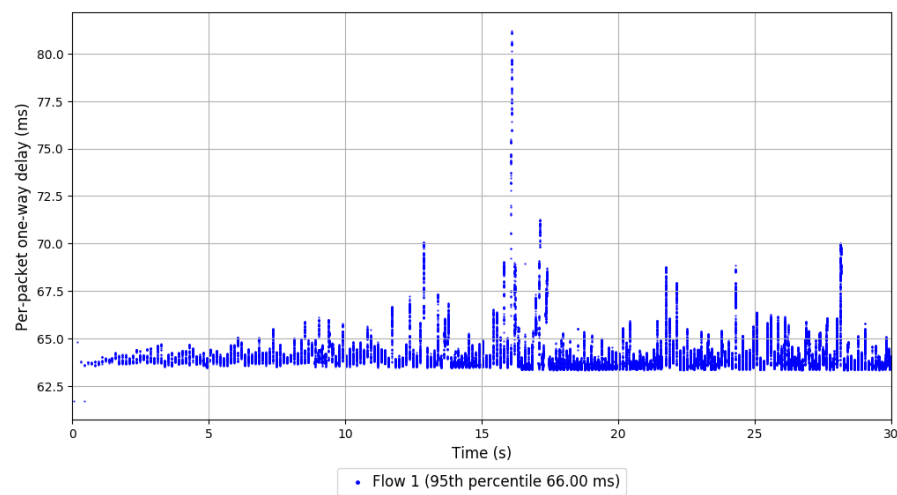
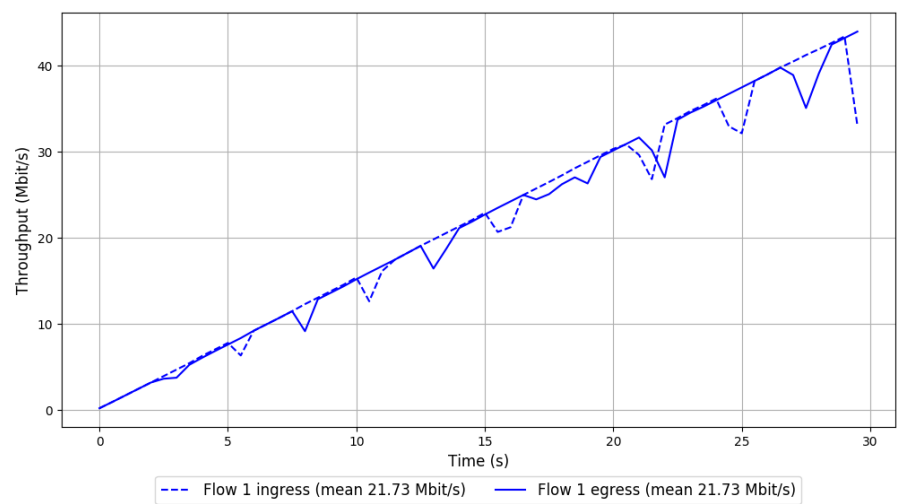


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-24 21:15:17
End at: 2018-04-24 21:15:47

# Below is generated by plot.py at 2018-04-25 00:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 65.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 65.998 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 21:28:14

End at: 2018-04-24 21:28:44

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.08 Mbit/s

95th percentile per-packet one-way delay: 63.978 ms

Loss rate: 0.00%

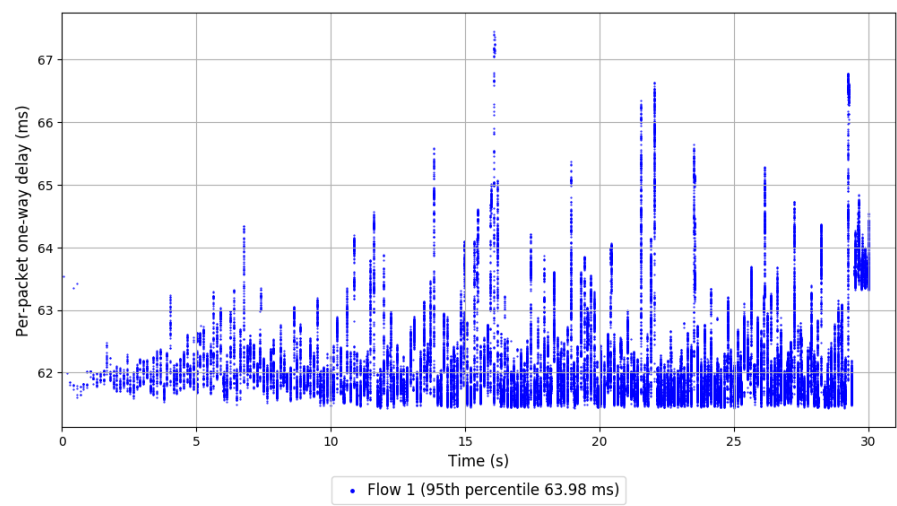
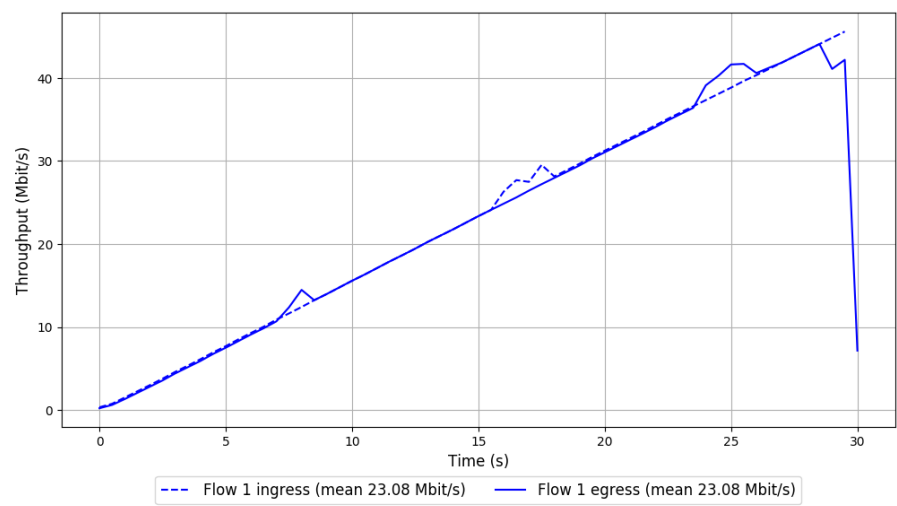
-- Flow 1:

Average throughput: 23.08 Mbit/s

95th percentile per-packet one-way delay: 63.978 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 21:41:27

End at: 2018-04-24 21:41:57

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.58 Mbit/s

95th percentile per-packet one-way delay: 65.470 ms

Loss rate: 0.05%

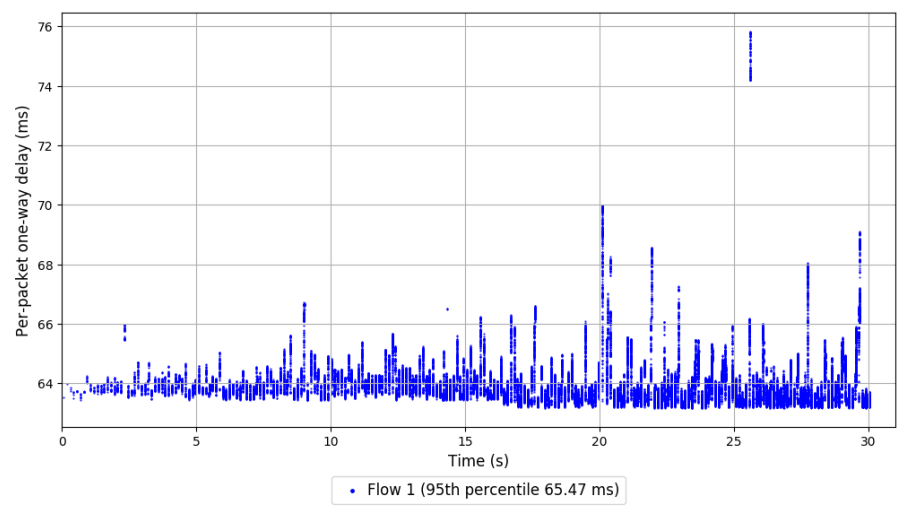
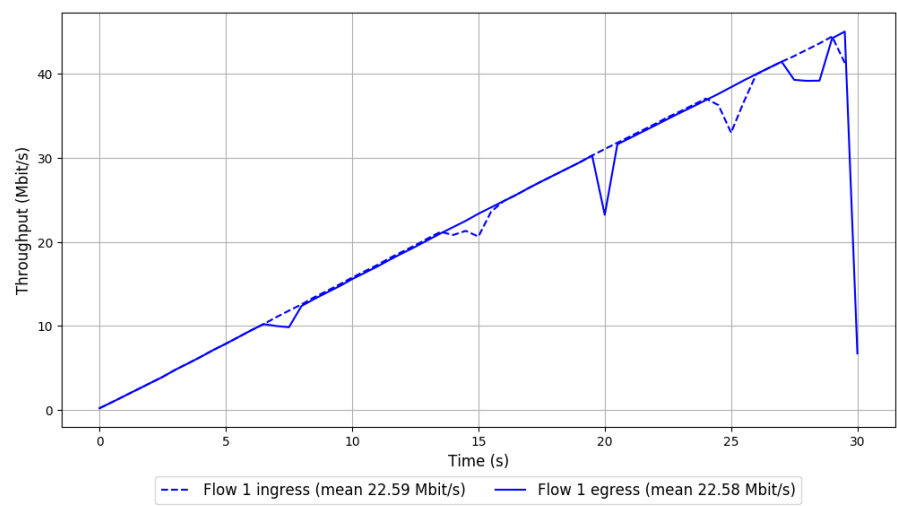
-- Flow 1:

Average throughput: 22.58 Mbit/s

95th percentile per-packet one-way delay: 65.470 ms

Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 21:54:23

End at: 2018-04-24 21:54:53

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 65.458 ms

Loss rate: 0.00%

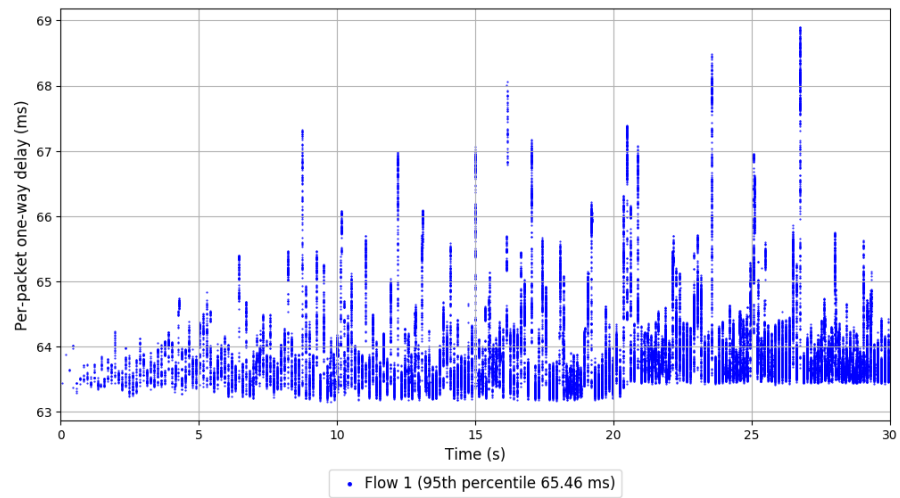
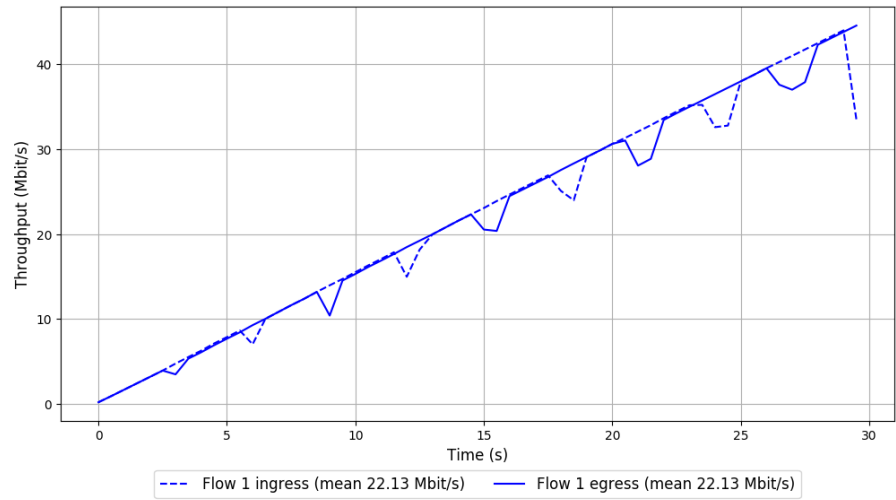
-- Flow 1:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 65.458 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 22:07:05

End at: 2018-04-24 22:07:35

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.53 Mbit/s

95th percentile per-packet one-way delay: 65.947 ms

Loss rate: 0.00%

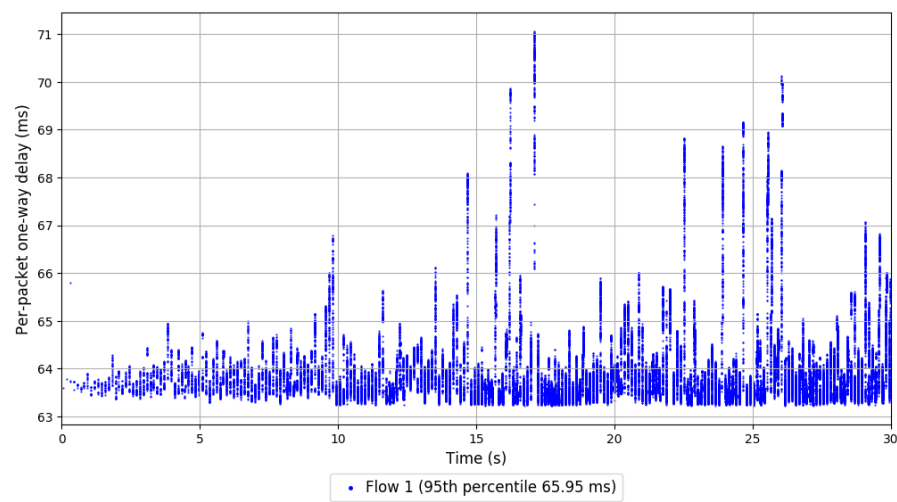
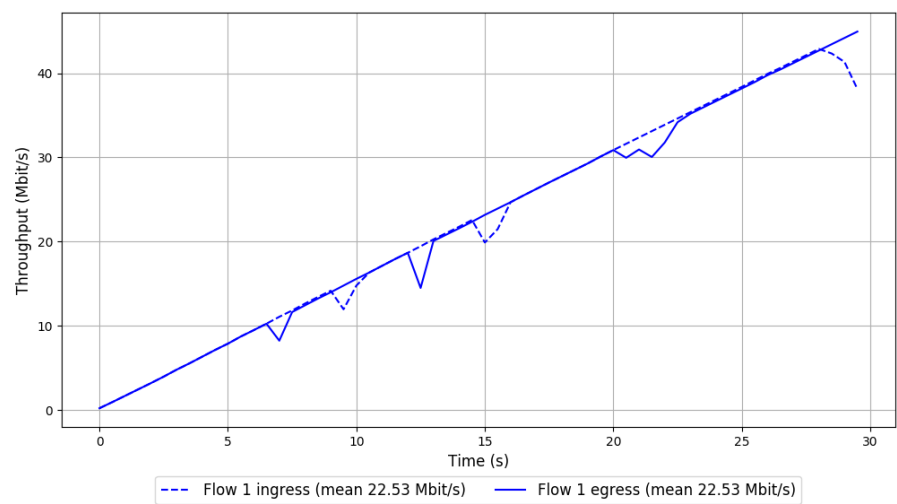
-- Flow 1:

Average throughput: 22.53 Mbit/s

95th percentile per-packet one-way delay: 65.947 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 22:20:15

End at: 2018-04-24 22:20:45

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 65.941 ms

Loss rate: 0.00%

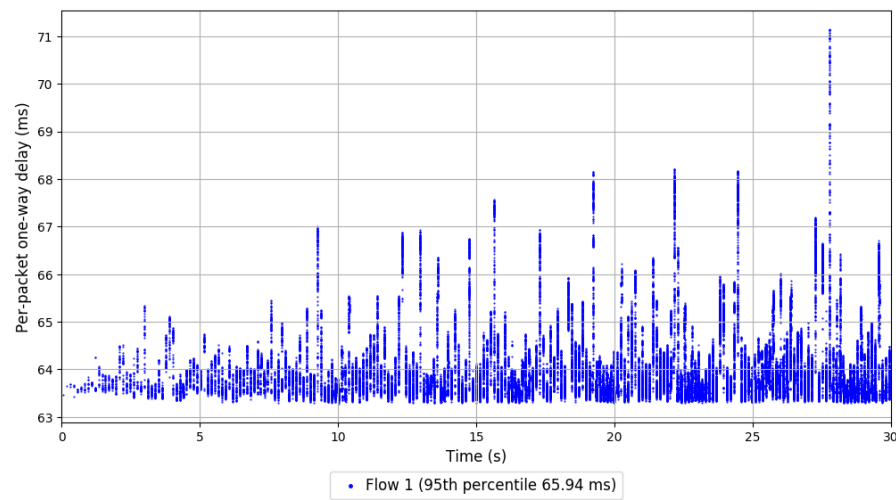
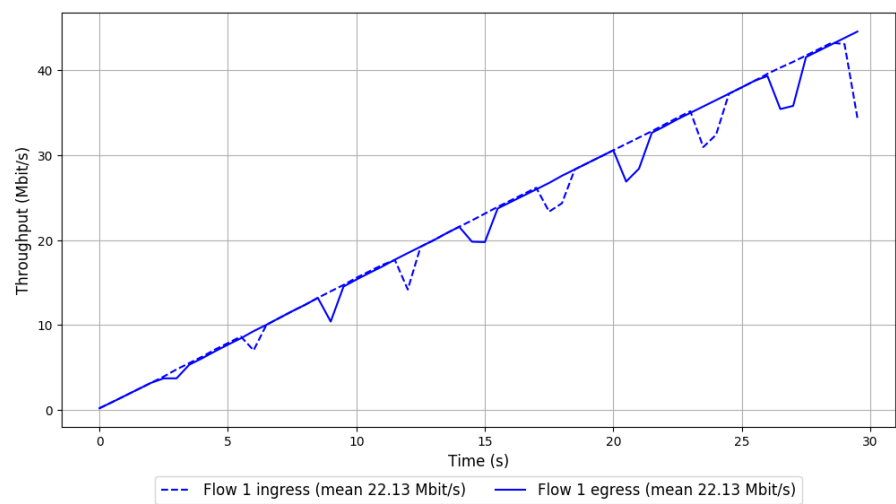
-- Flow 1:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 65.941 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 22:33:20

End at: 2018-04-24 22:33:50

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.32 Mbit/s

95th percentile per-packet one-way delay: 65.319 ms

Loss rate: 0.00%

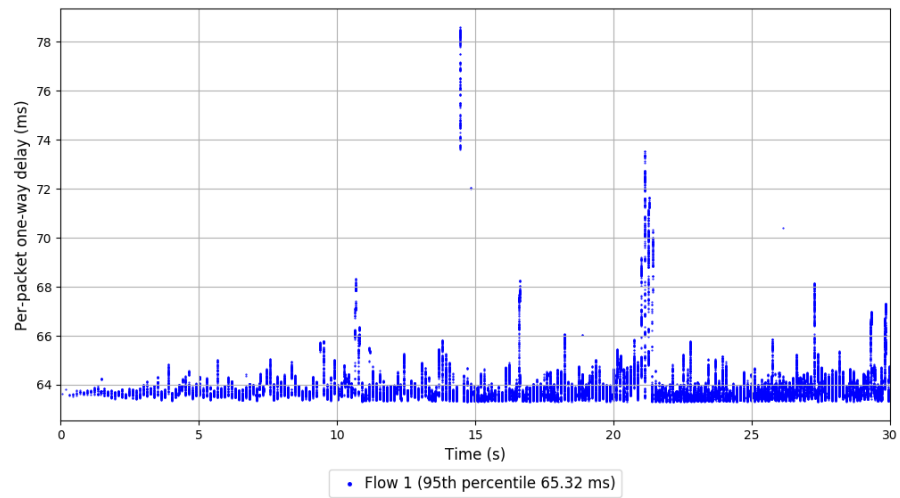
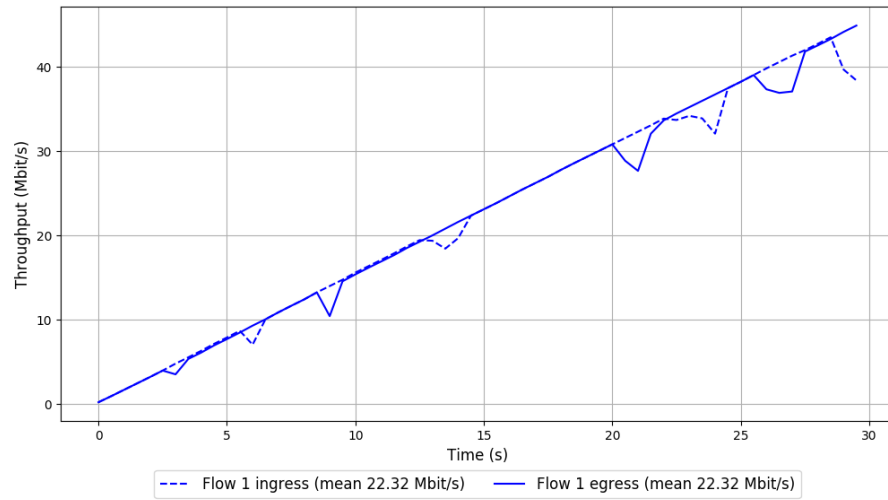
-- Flow 1:

Average throughput: 22.32 Mbit/s

95th percentile per-packet one-way delay: 65.319 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 22:46:23

End at: 2018-04-24 22:46:53

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.27 Mbit/s

95th percentile per-packet one-way delay: 66.109 ms

Loss rate: 0.00%

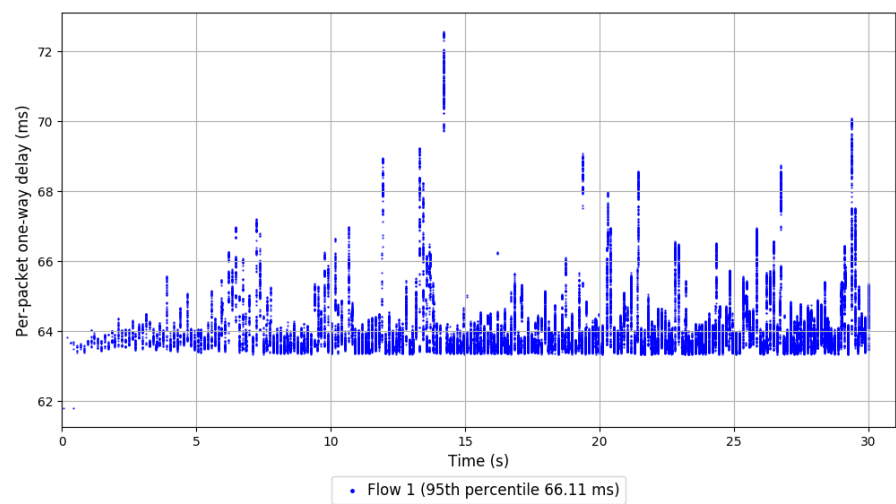
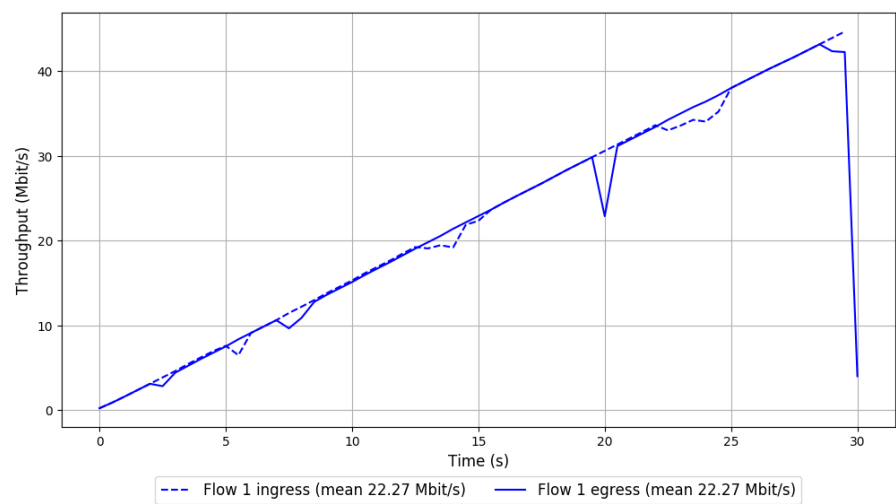
-- Flow 1:

Average throughput: 22.27 Mbit/s

95th percentile per-packet one-way delay: 66.109 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 22:59:39

End at: 2018-04-24 23:00:09

Below is generated by plot.py at 2018-04-25 00:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.40 Mbit/s

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

Loss rate: 0.00%

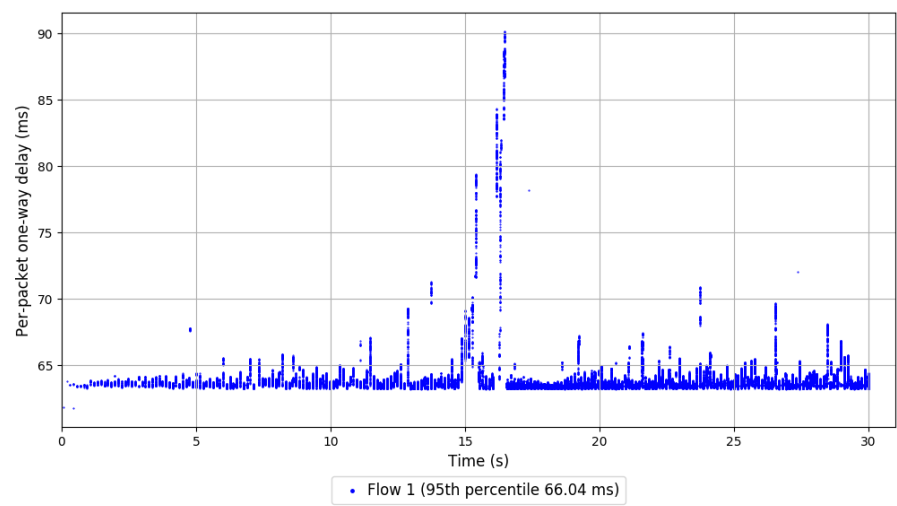
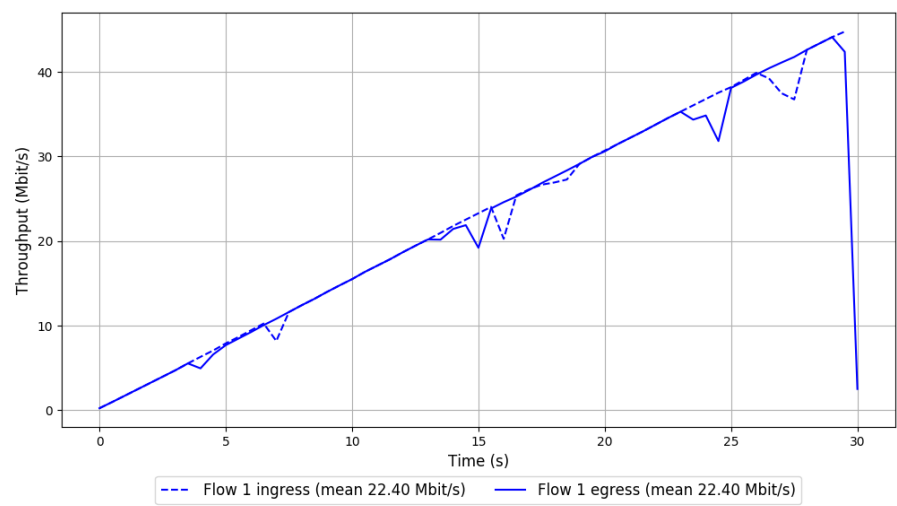
-- Flow 1:

Average throughput: 22.40 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

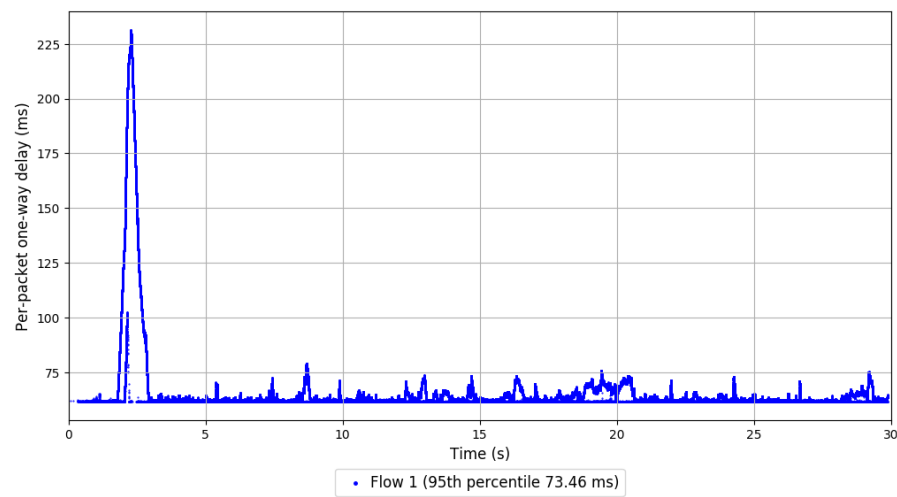
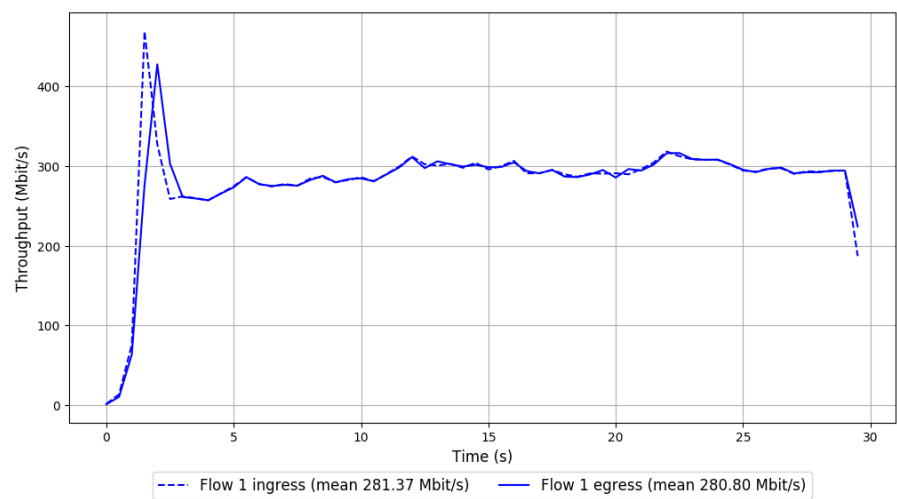


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 20:58:27
End at: 2018-04-24 20:58:57

# Below is generated by plot.py at 2018-04-25 00:37:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 280.80 Mbit/s
95th percentile per-packet one-way delay: 73.462 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 280.80 Mbit/s
95th percentile per-packet one-way delay: 73.462 ms
Loss rate: 0.20%
```

Run 1: Report of PCC-Allegro — Data Link

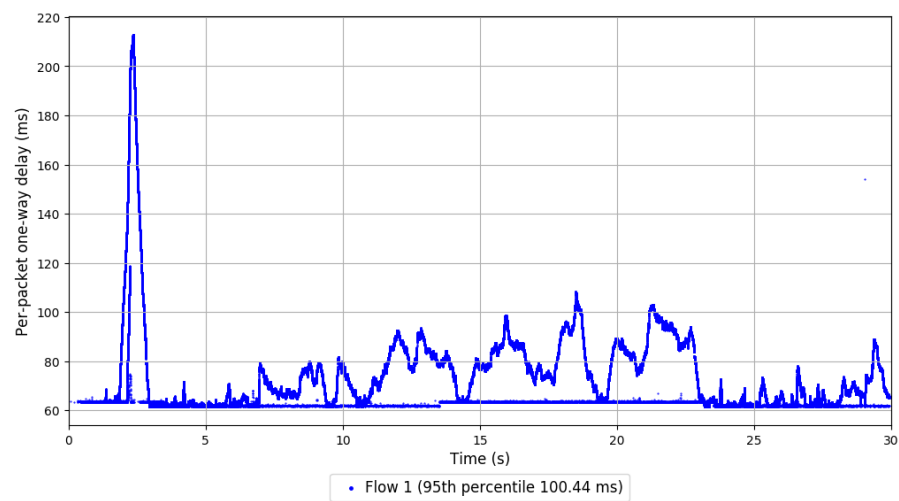
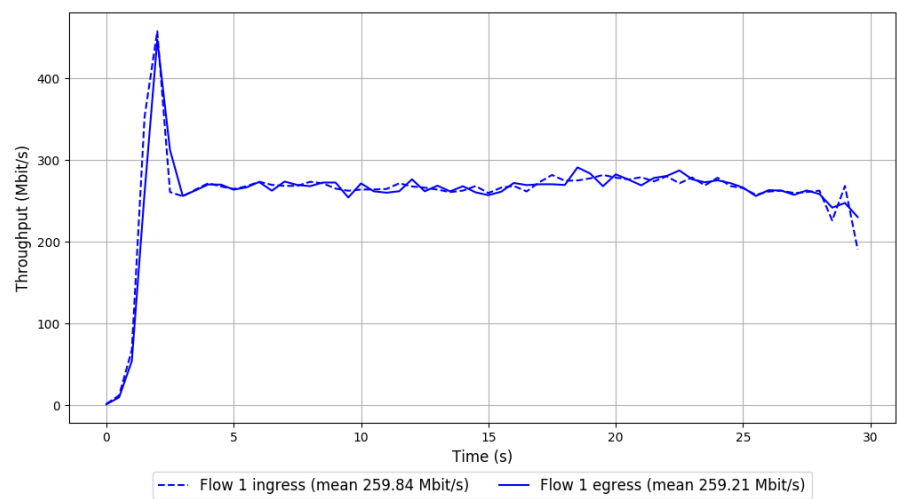


```
Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 21:11:20
End at: 2018-04-24 21:11:50

# Below is generated by plot.py at 2018-04-25 00:37:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.21 Mbit/s
95th percentile per-packet one-way delay: 100.438 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 259.21 Mbit/s
95th percentile per-packet one-way delay: 100.438 ms
Loss rate: 0.25%
```

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 21:24:19

End at: 2018-04-24 21:24:49

Below is generated by plot.py at 2018-04-25 00:37:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.60 Mbit/s

95th percentile per-packet one-way delay: 76.320 ms

Loss rate: 0.24%

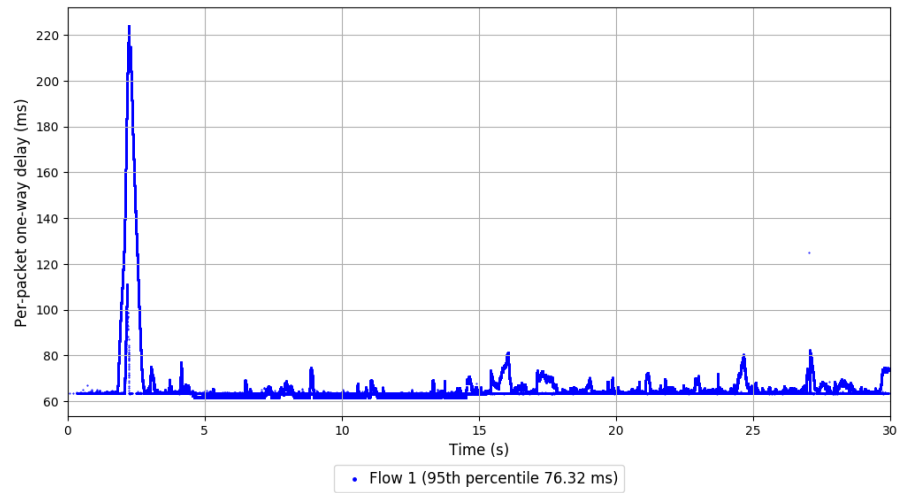
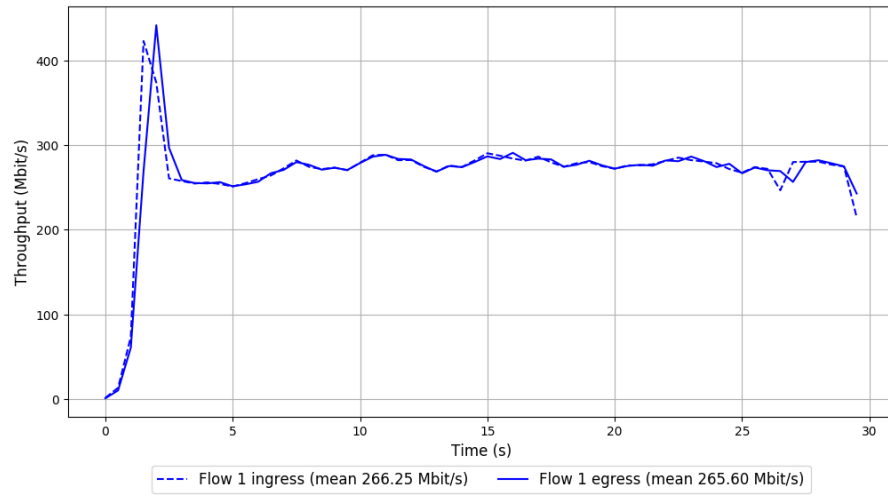
-- Flow 1:

Average throughput: 265.60 Mbit/s

95th percentile per-packet one-way delay: 76.320 ms

Loss rate: 0.24%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 21:37:31

End at: 2018-04-24 21:38:01

Below is generated by plot.py at 2018-04-25 00:37:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.64 Mbit/s

95th percentile per-packet one-way delay: 121.604 ms

Loss rate: 0.31%

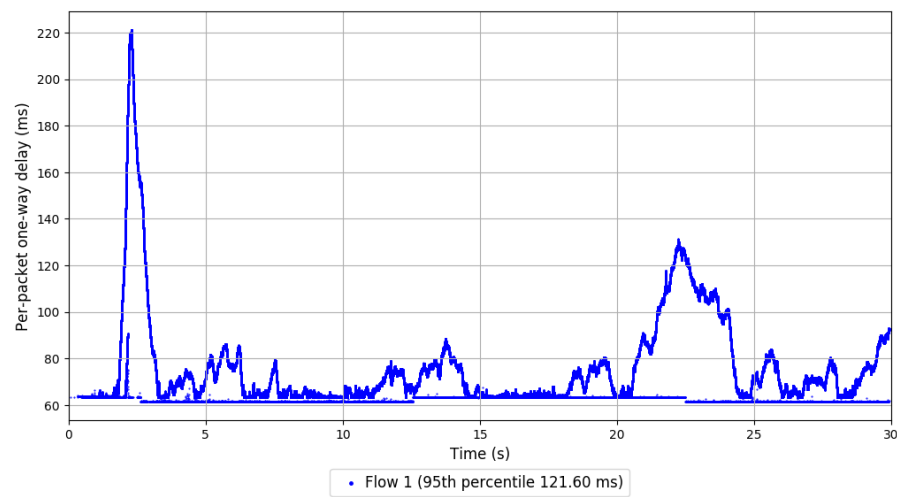
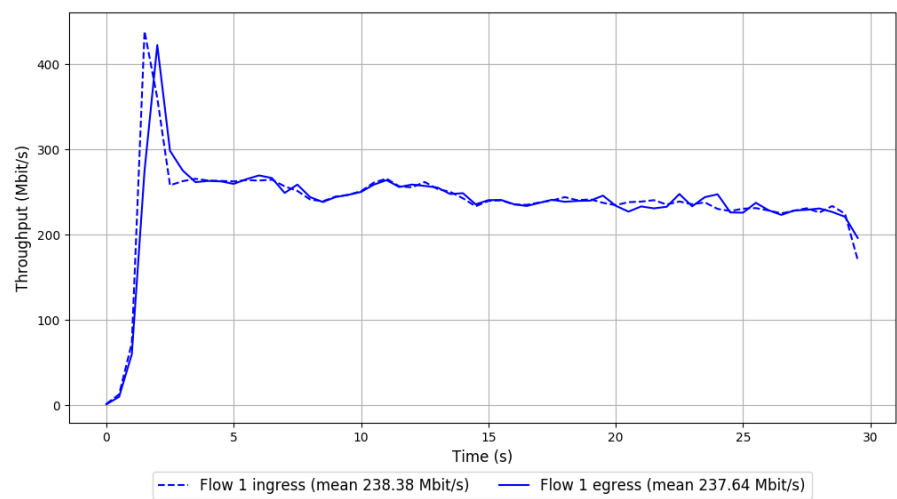
-- Flow 1:

Average throughput: 237.64 Mbit/s

95th percentile per-packet one-way delay: 121.604 ms

Loss rate: 0.31%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 21:50:27

End at: 2018-04-24 21:50:57

Below is generated by plot.py at 2018-04-25 00:37:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.70 Mbit/s

95th percentile per-packet one-way delay: 104.738 ms

Loss rate: 0.20%

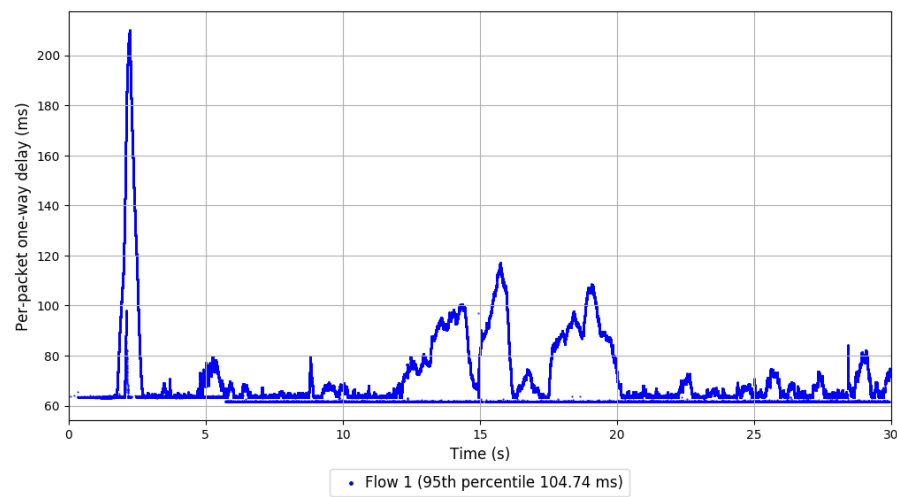
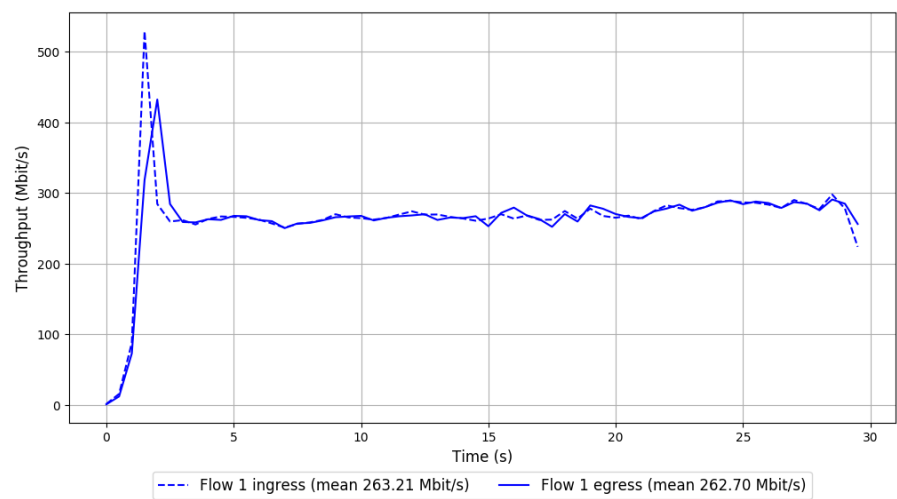
-- Flow 1:

Average throughput: 262.70 Mbit/s

95th percentile per-packet one-way delay: 104.738 ms

Loss rate: 0.20%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 22:03:11

End at: 2018-04-24 22:03:41

Below is generated by plot.py at 2018-04-25 00:38:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.63 Mbit/s

95th percentile per-packet one-way delay: 94.743 ms

Loss rate: 0.20%

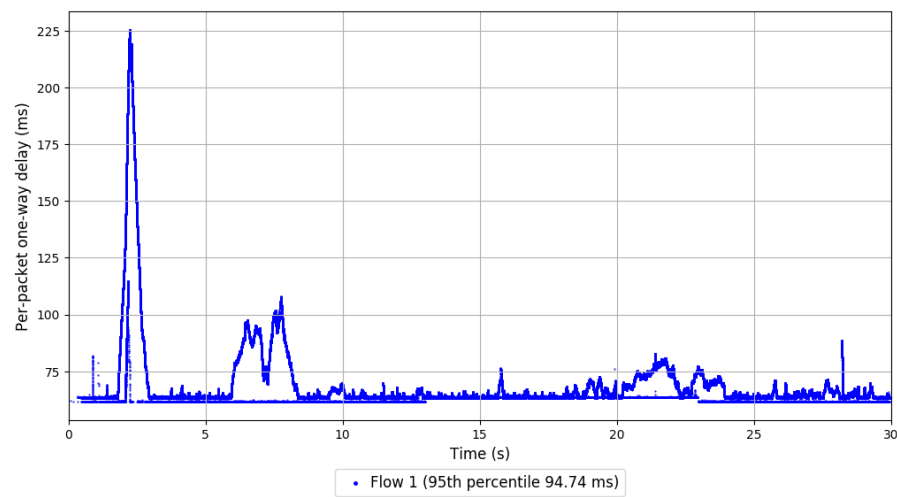
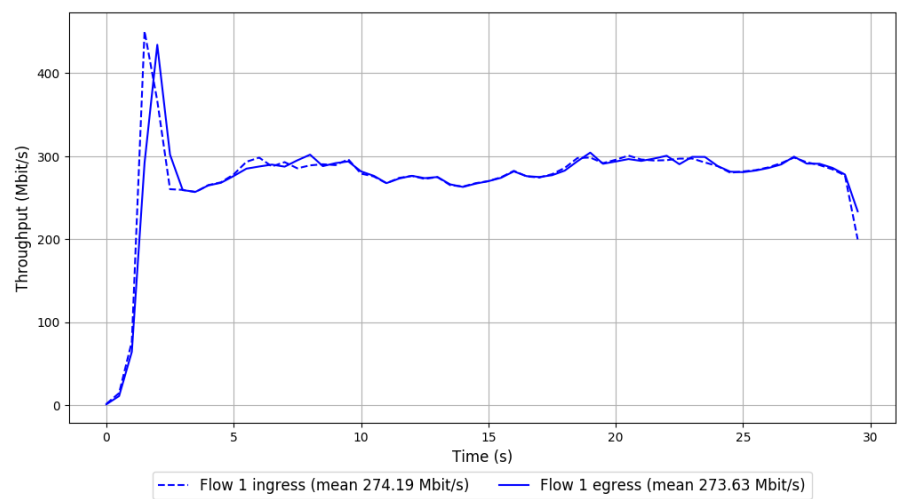
-- Flow 1:

Average throughput: 273.63 Mbit/s

95th percentile per-packet one-way delay: 94.743 ms

Loss rate: 0.20%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 22:16:13

End at: 2018-04-24 22:16:43

Below is generated by plot.py at 2018-04-25 00:39:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 310.68 Mbit/s

95th percentile per-packet one-way delay: 122.871 ms

Loss rate: 0.11%

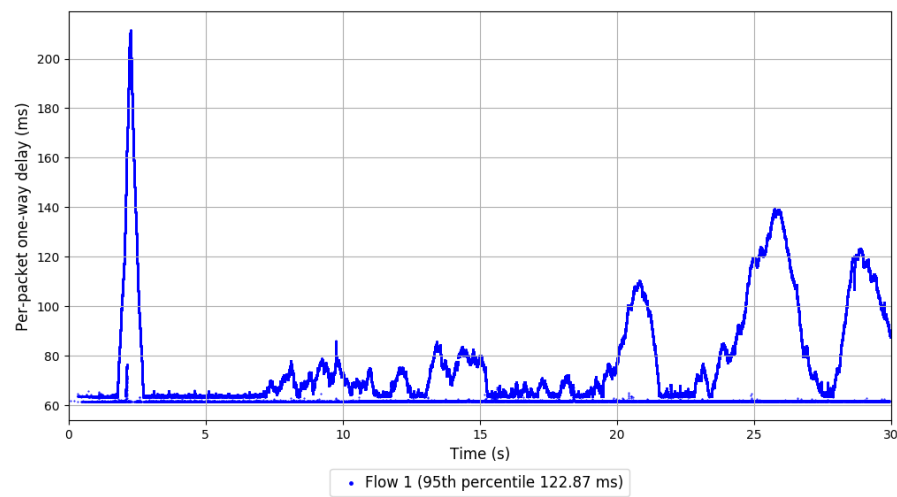
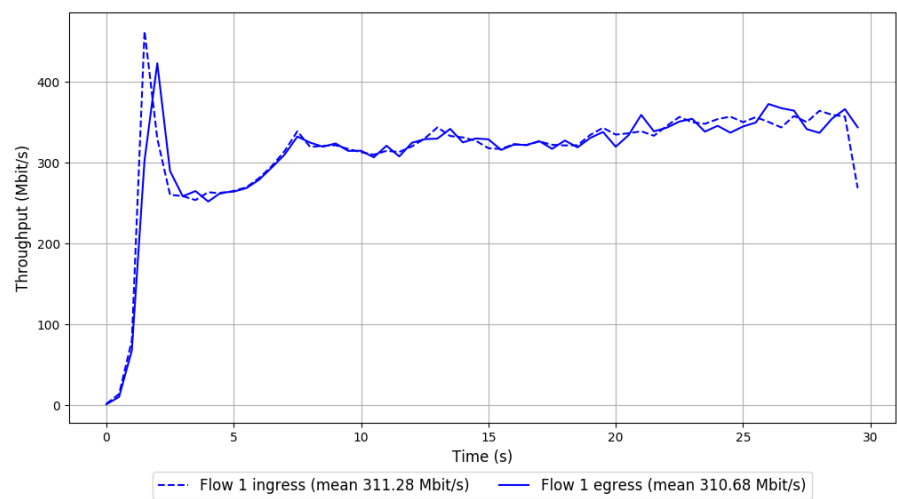
-- Flow 1:

Average throughput: 310.68 Mbit/s

95th percentile per-packet one-way delay: 122.871 ms

Loss rate: 0.11%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 22:29:28

End at: 2018-04-24 22:29:58

Below is generated by plot.py at 2018-04-25 00:39:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.10 Mbit/s

95th percentile per-packet one-way delay: 87.428 ms

Loss rate: 0.24%

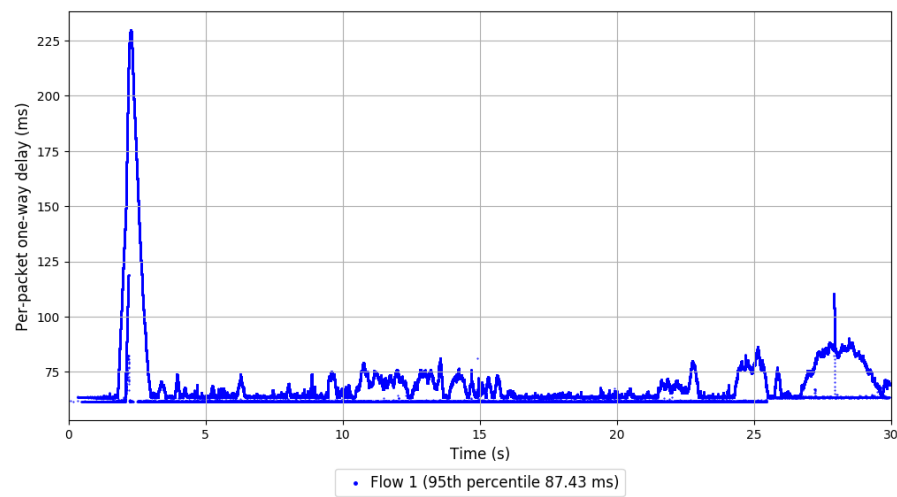
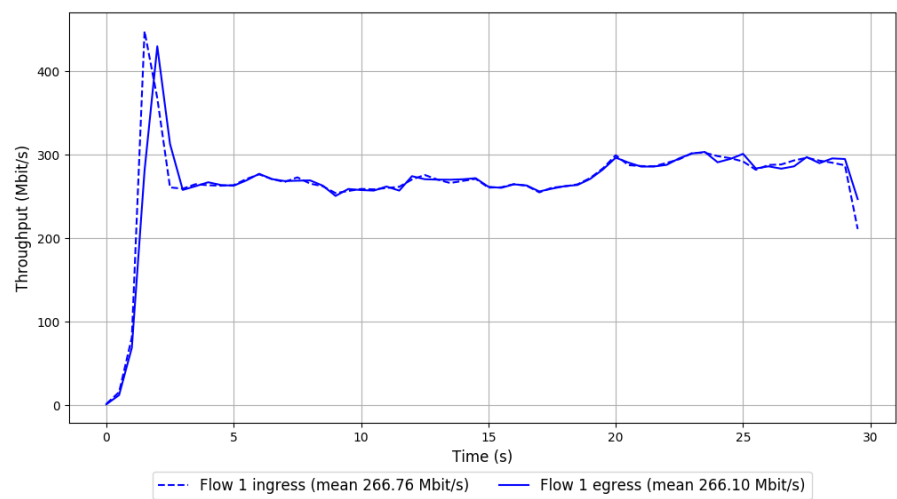
-- Flow 1:

Average throughput: 266.10 Mbit/s

95th percentile per-packet one-way delay: 87.428 ms

Loss rate: 0.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 22:42:26

End at: 2018-04-24 22:42:56

Below is generated by plot.py at 2018-04-25 00:41:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.58 Mbit/s

95th percentile per-packet one-way delay: 158.688 ms

Loss rate: 0.35%

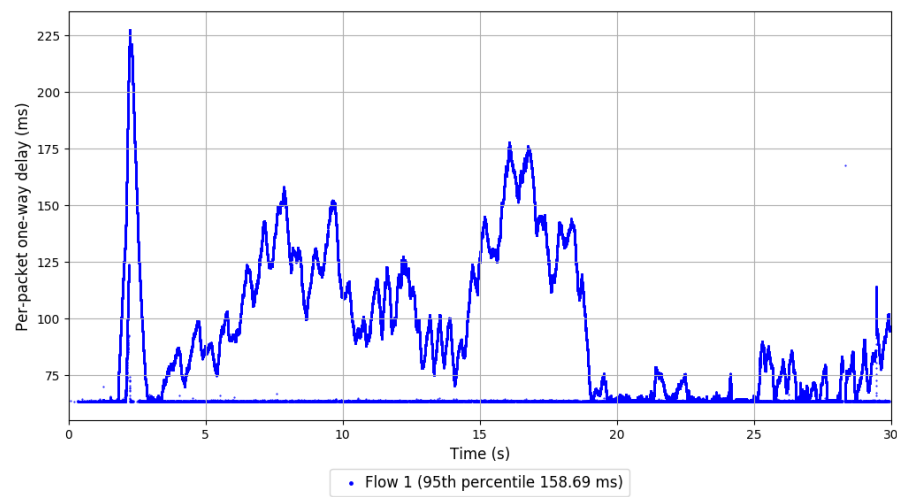
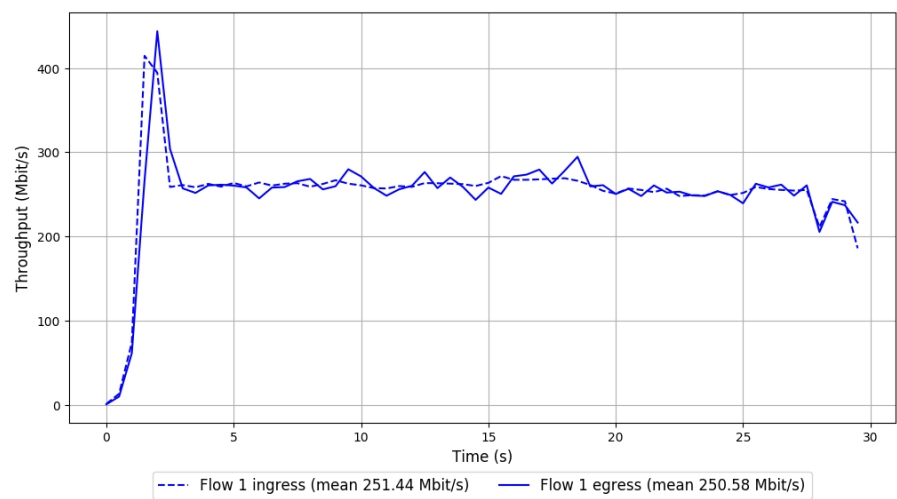
-- Flow 1:

Average throughput: 250.58 Mbit/s

95th percentile per-packet one-way delay: 158.688 ms

Loss rate: 0.35%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 22:55:37

End at: 2018-04-24 22:56:07

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.47 Mbit/s

95th percentile per-packet one-way delay: 85.769 ms

Loss rate: 0.17%

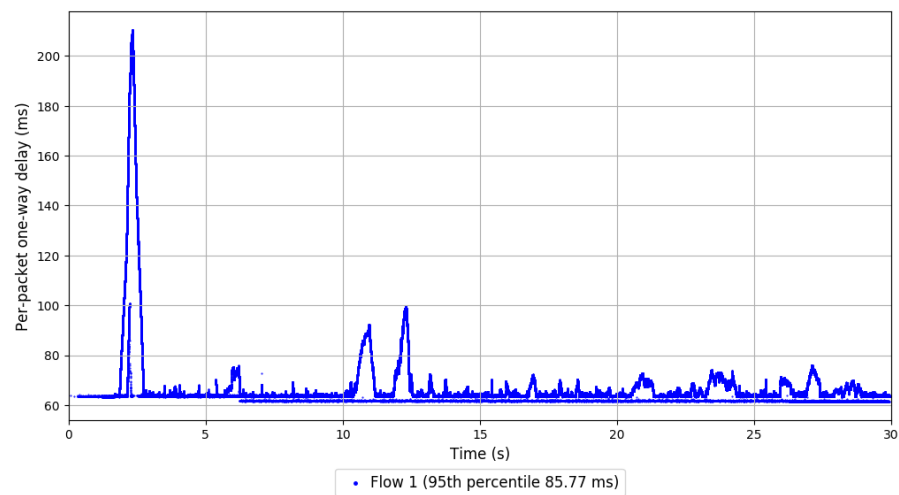
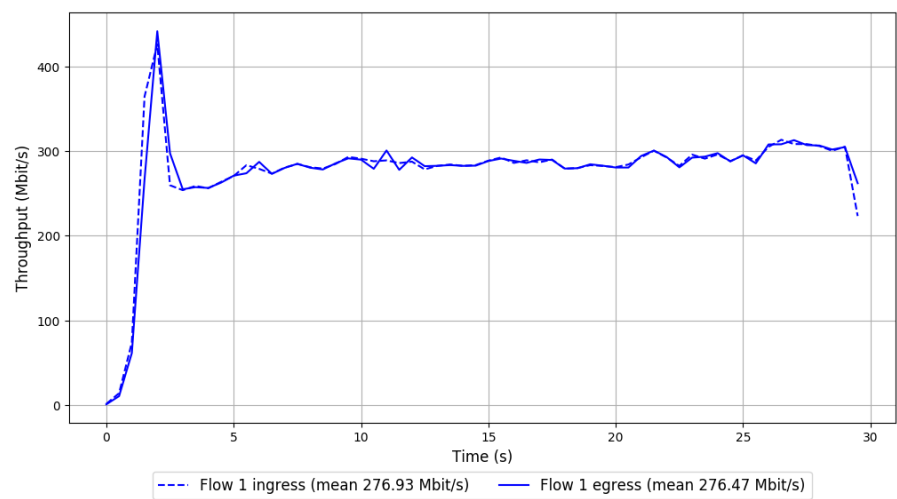
-- Flow 1:

Average throughput: 276.47 Mbit/s

95th percentile per-packet one-way delay: 85.769 ms

Loss rate: 0.17%

Run 10: Report of PCC-Allegro — Data Link

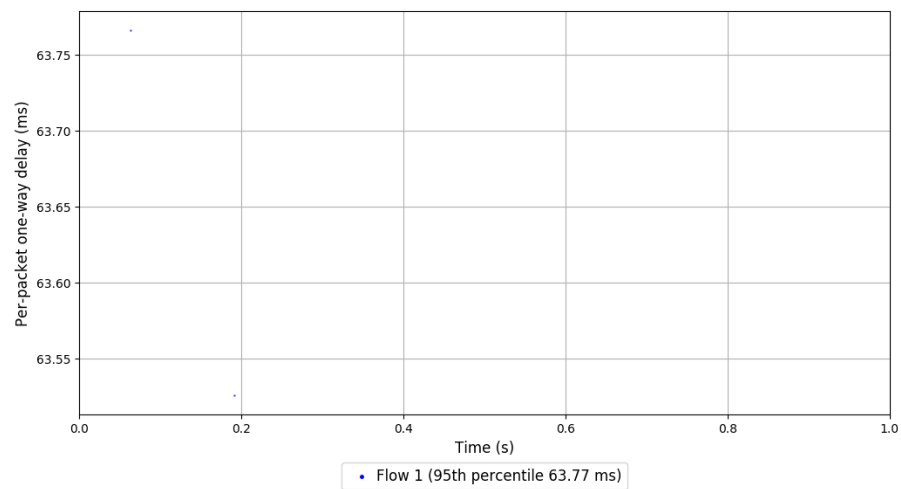
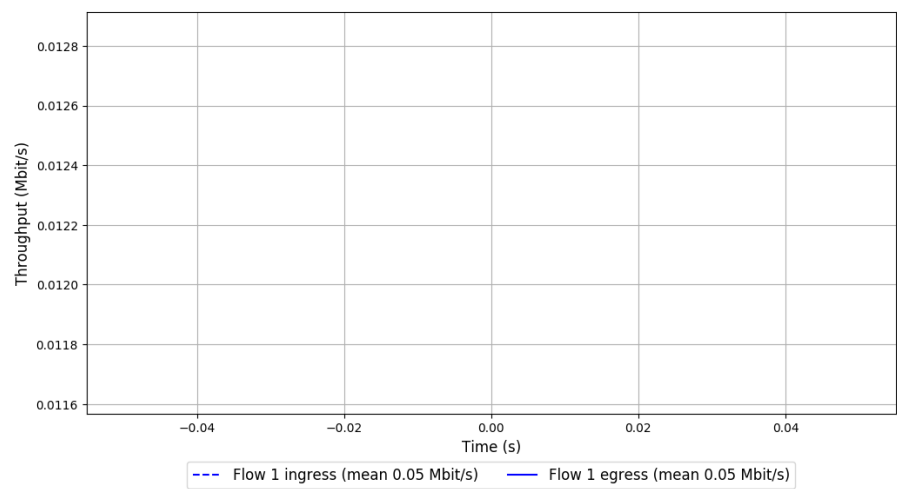


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 21:00:43

End at: 2018-04-24 21:01:13

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 21:13:37

End at: 2018-04-24 21:14:07

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 63.542 ms

Loss rate: 0.01%

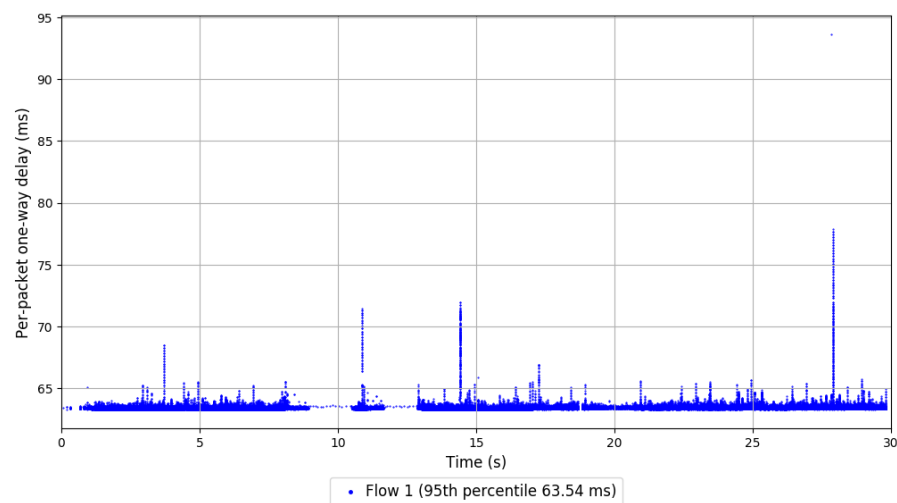
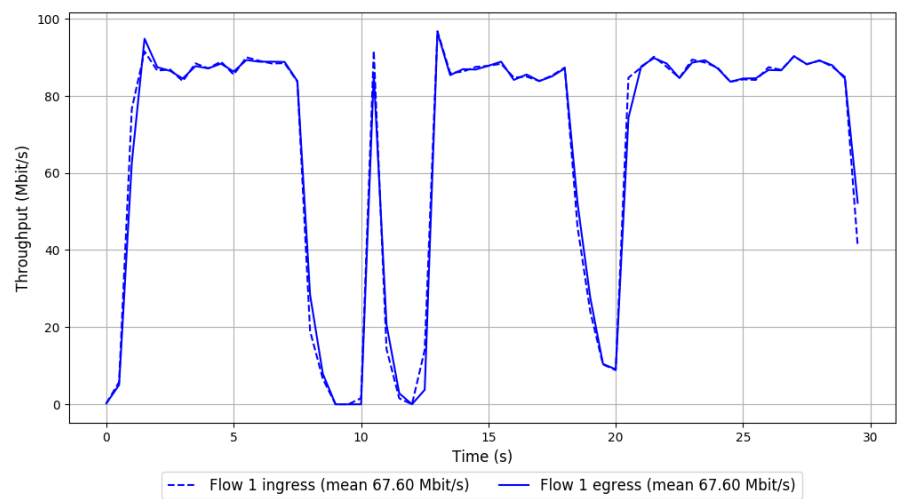
-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 63.542 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 21:26:33

End at: 2018-04-24 21:27:03

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 63.427 ms

Loss rate: 0.00%

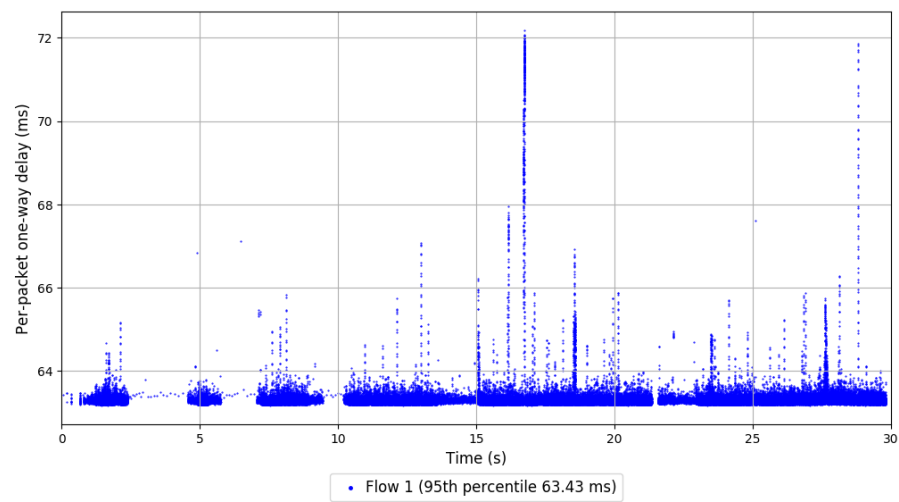
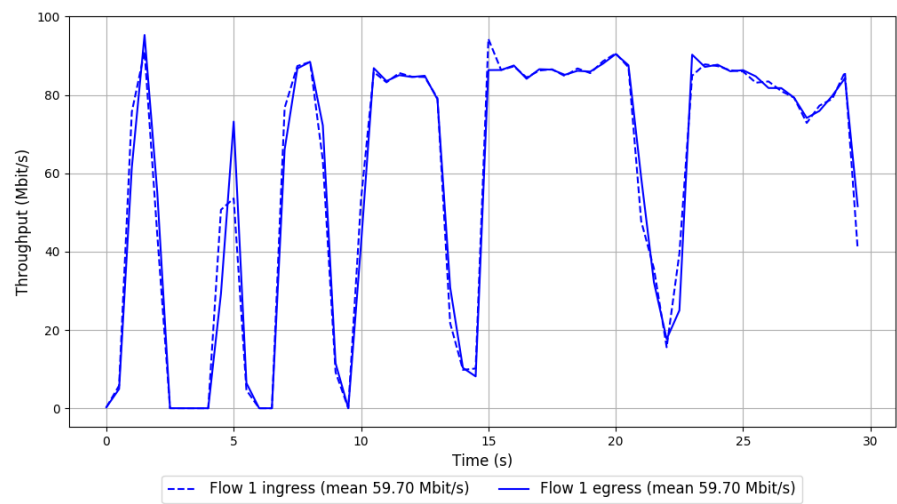
-- Flow 1:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 63.427 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 21:39:48

End at: 2018-04-24 21:40:18

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 63.454 ms

Loss rate: 0.01%

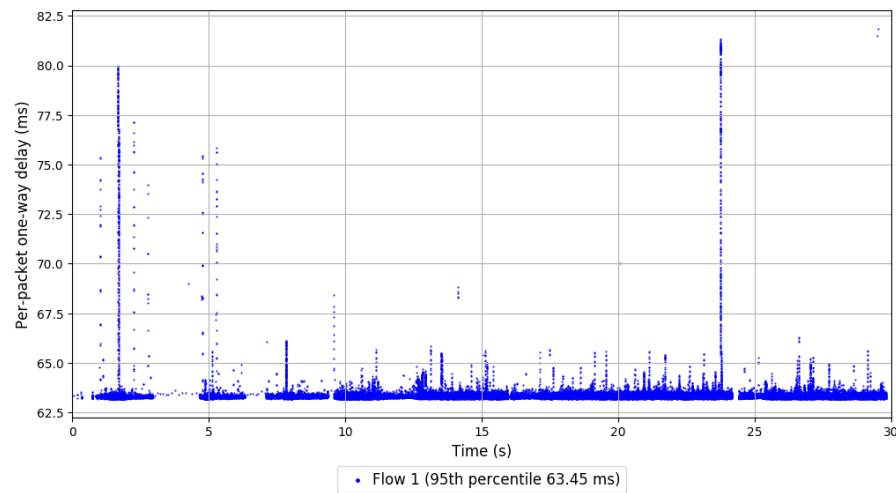
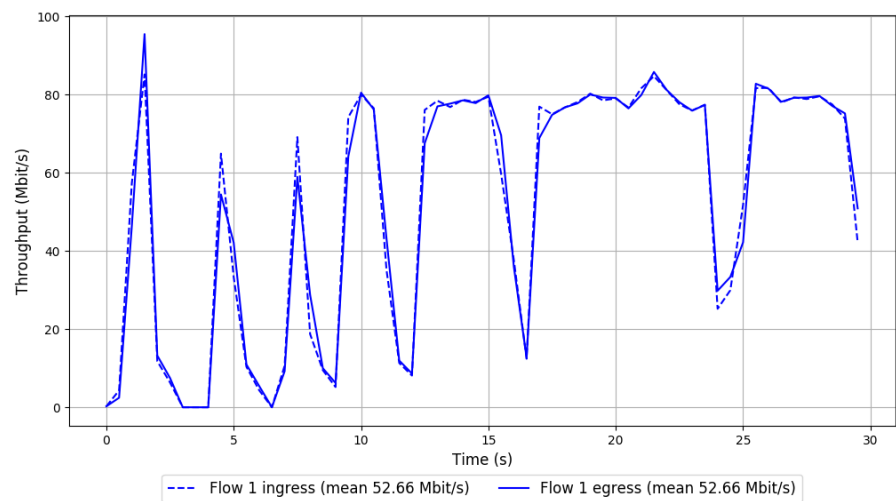
-- Flow 1:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 63.454 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 21:52:45

End at: 2018-04-24 21:53:15

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.64 Mbit/s

95th percentile per-packet one-way delay: 61.714 ms

Loss rate: 0.00%

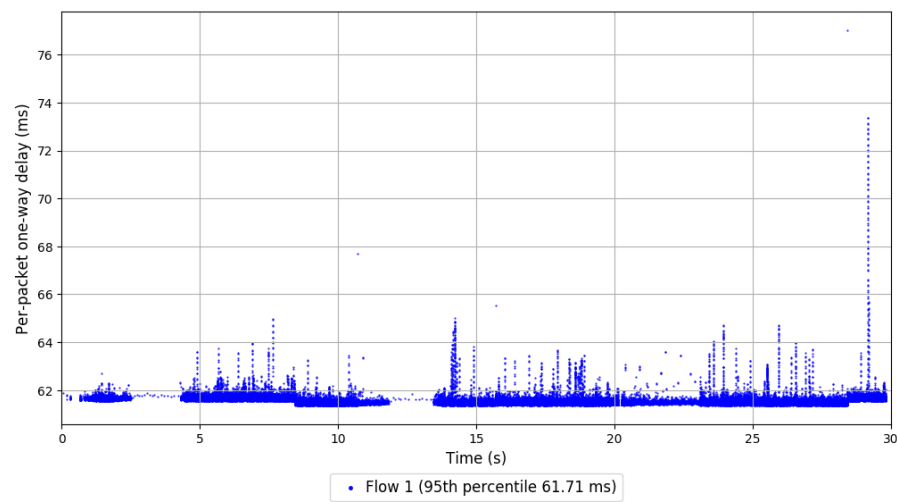
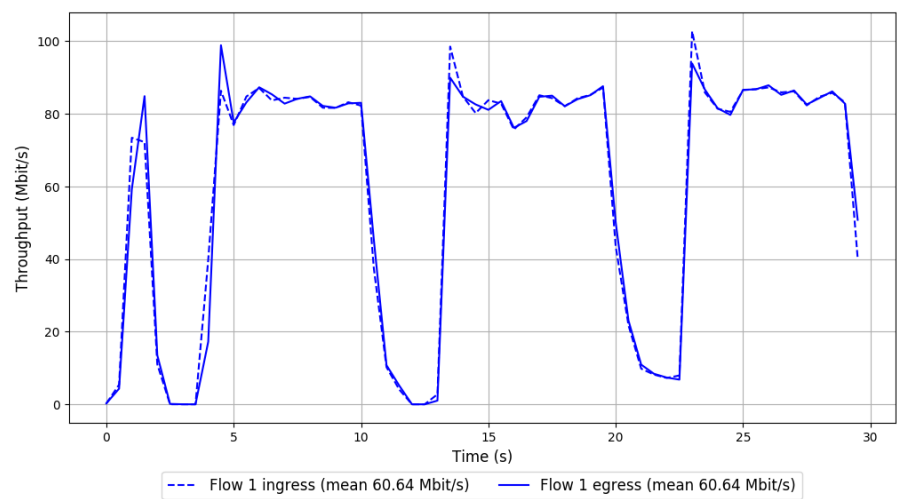
-- Flow 1:

Average throughput: 60.64 Mbit/s

95th percentile per-packet one-way delay: 61.714 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 22:05:28

End at: 2018-04-24 22:05:58

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.17 Mbit/s

95th percentile per-packet one-way delay: 63.389 ms

Loss rate: 0.02%

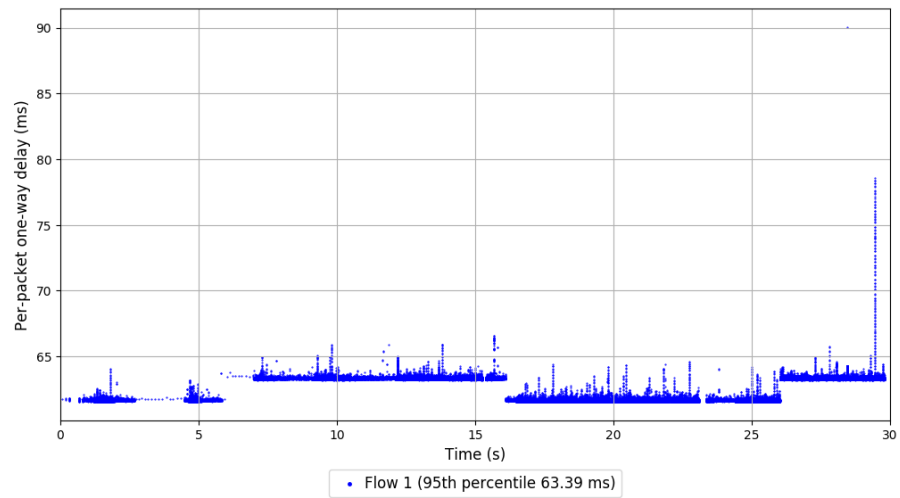
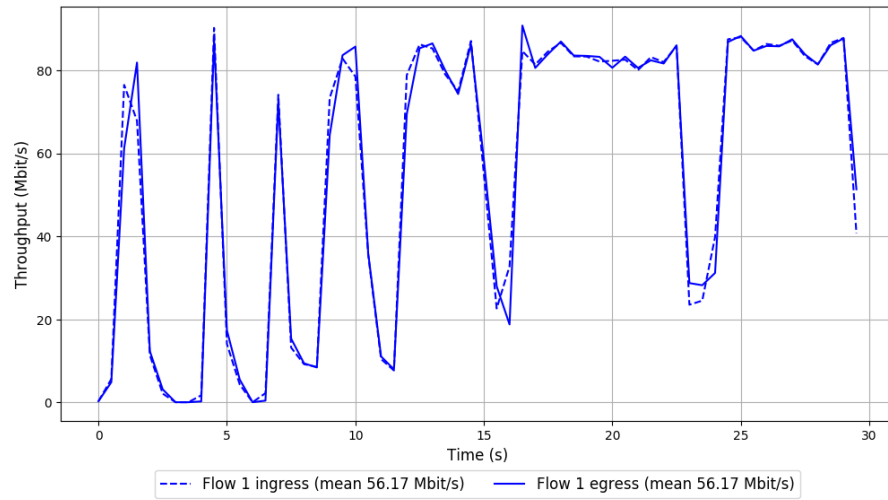
-- Flow 1:

Average throughput: 56.17 Mbit/s

95th percentile per-packet one-way delay: 63.389 ms

Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 22:18:33

End at: 2018-04-24 22:19:03

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 63.449 ms

Loss rate: 0.00%

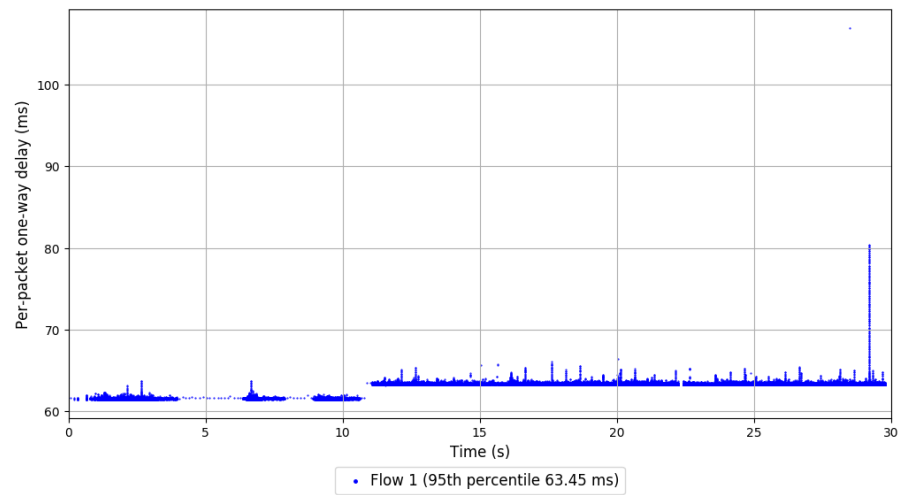
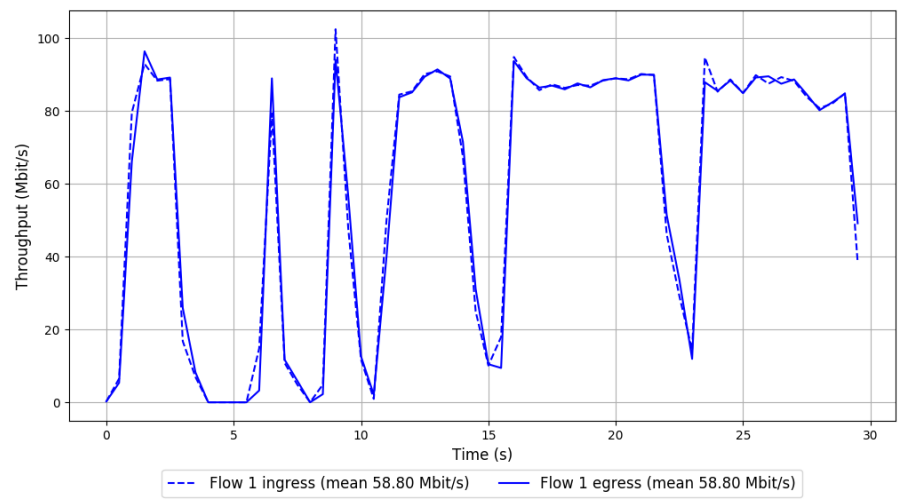
-- Flow 1:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 63.449 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 22:31:44

End at: 2018-04-24 22:32:14

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 63.448 ms

Loss rate: 0.00%

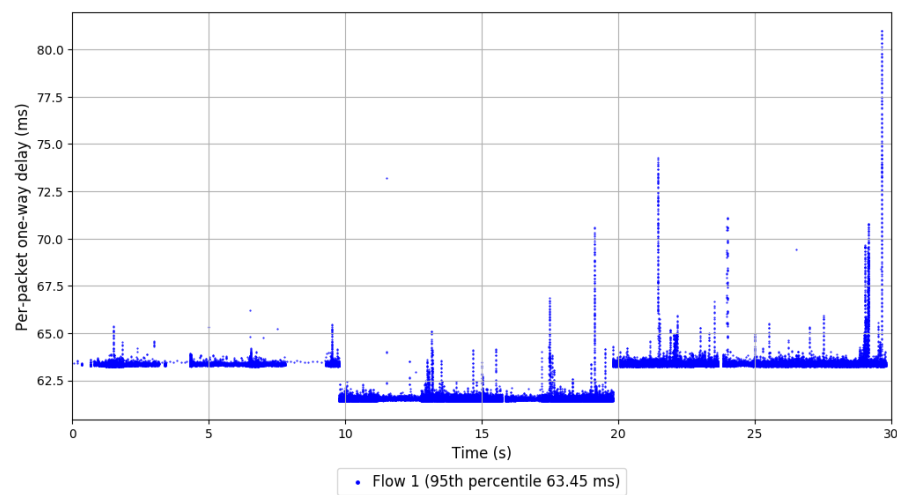
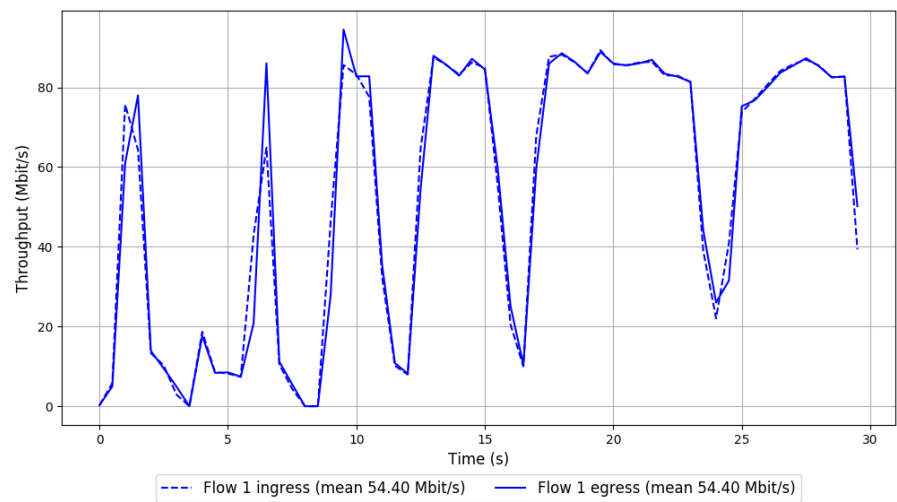
-- Flow 1:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 63.448 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 22:44:44

End at: 2018-04-24 22:45:14

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 63.562 ms

Loss rate: 0.00%

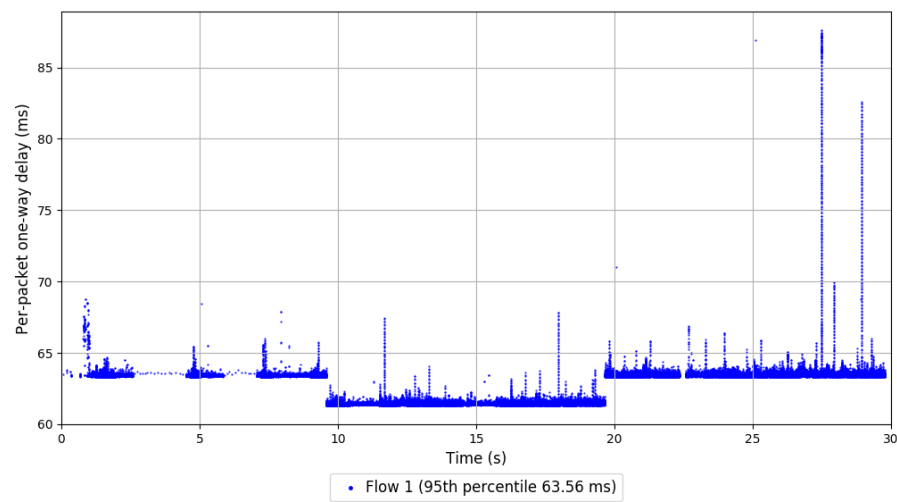
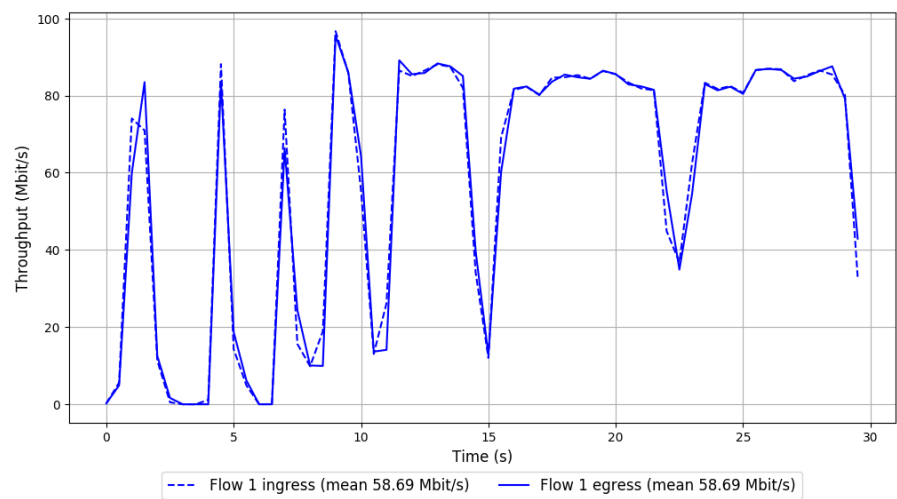
-- Flow 1:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 63.562 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 22:57:58

End at: 2018-04-24 22:58:28

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.86 Mbit/s

95th percentile per-packet one-way delay: 63.550 ms

Loss rate: 0.00%

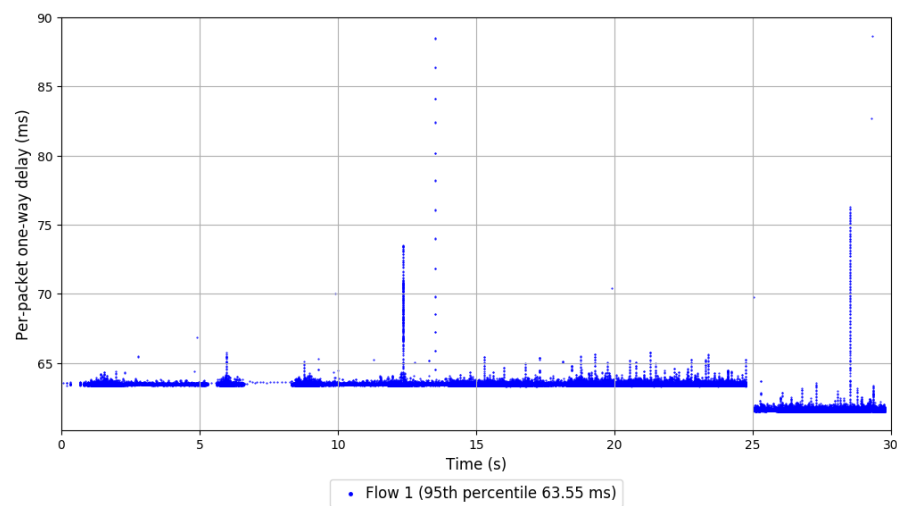
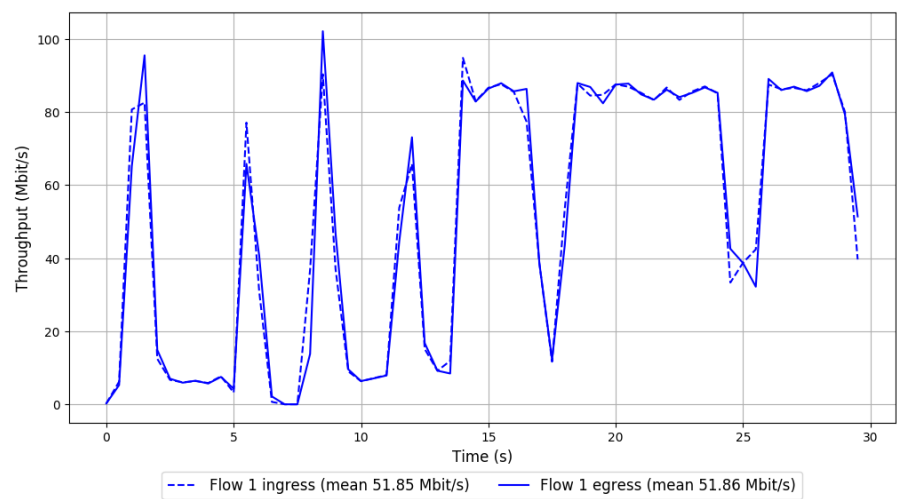
-- Flow 1:

Average throughput: 51.86 Mbit/s

95th percentile per-packet one-way delay: 63.550 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

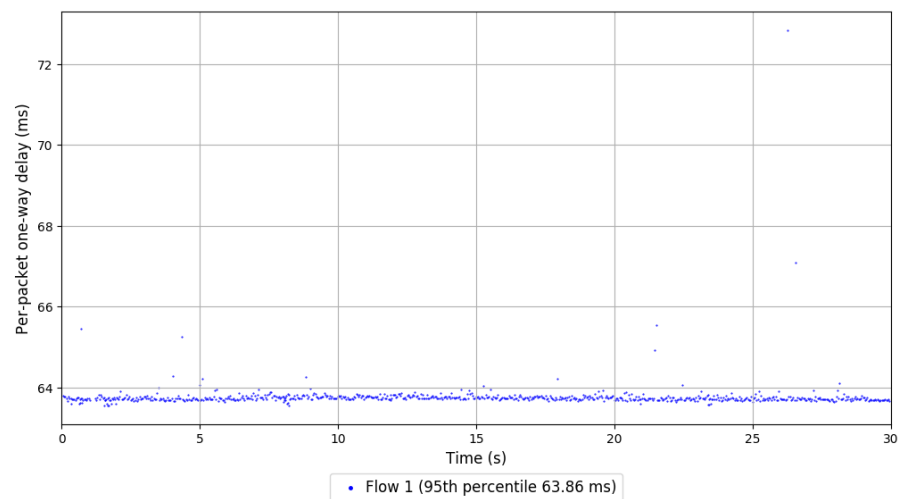
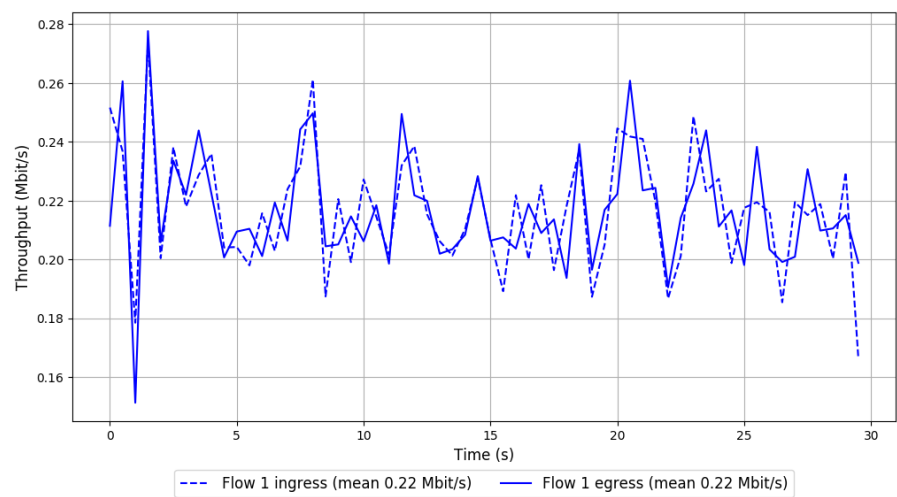


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 21:03:46
End at: 2018-04-24 21:04:16

# Below is generated by plot.py at 2018-04-25 00:42:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.861 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

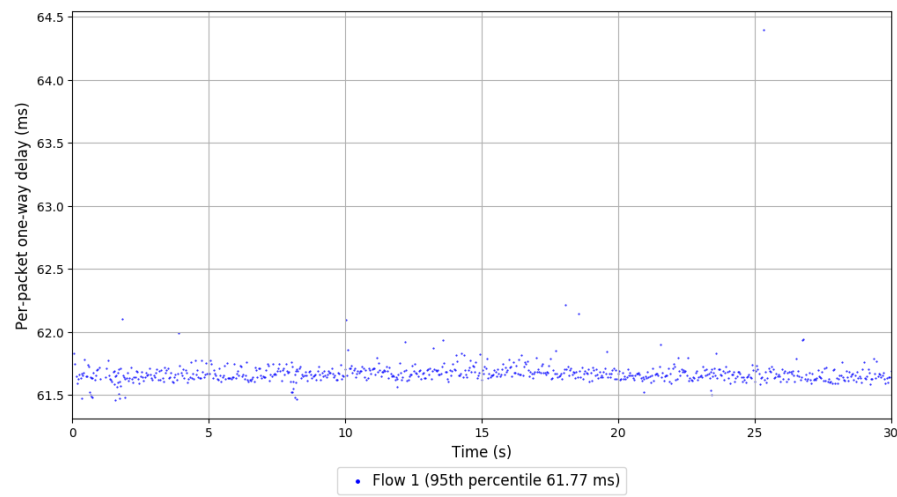
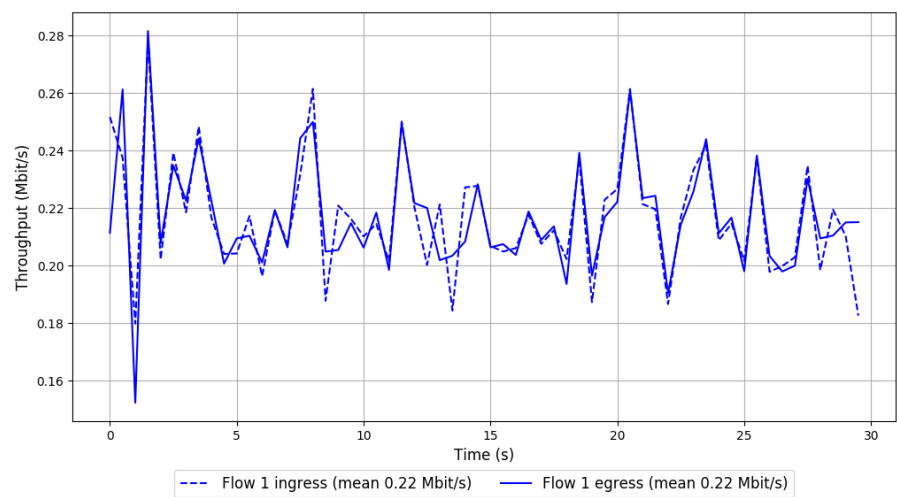


```
Run 2: Statistics of SCReAM

Start at: 2018-04-24 21:16:47
End at: 2018-04-24 21:17:17

# Below is generated by plot.py at 2018-04-25 00:42:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.768 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 21:29:44

End at: 2018-04-24 21:30:14

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

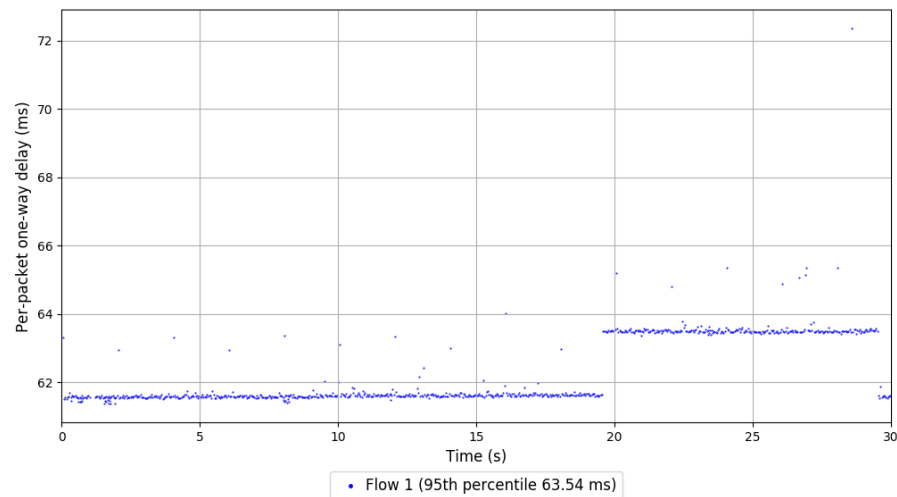
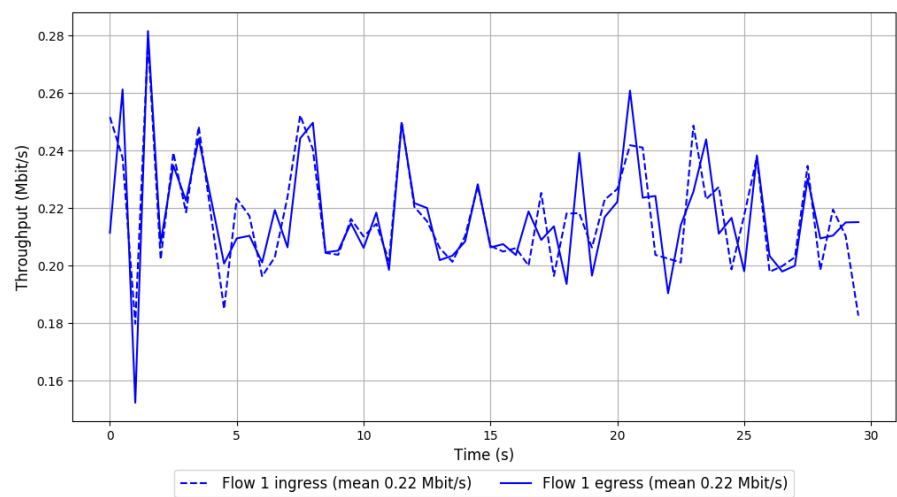
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

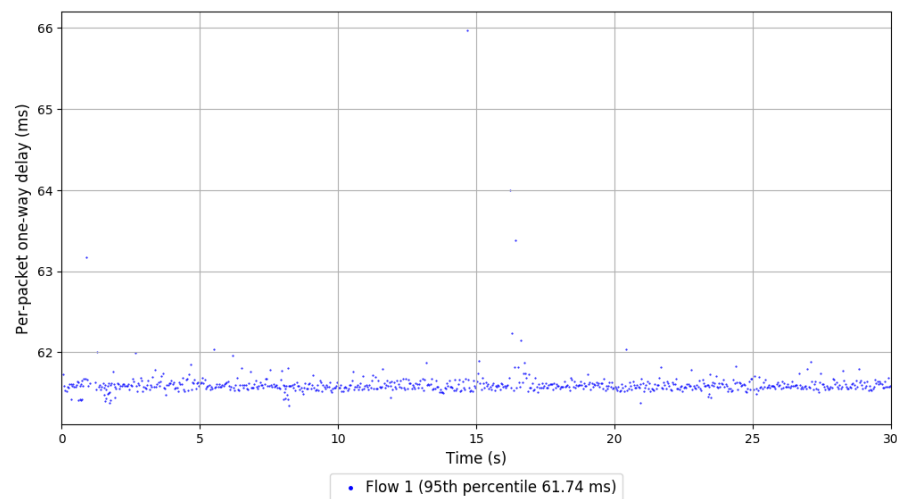
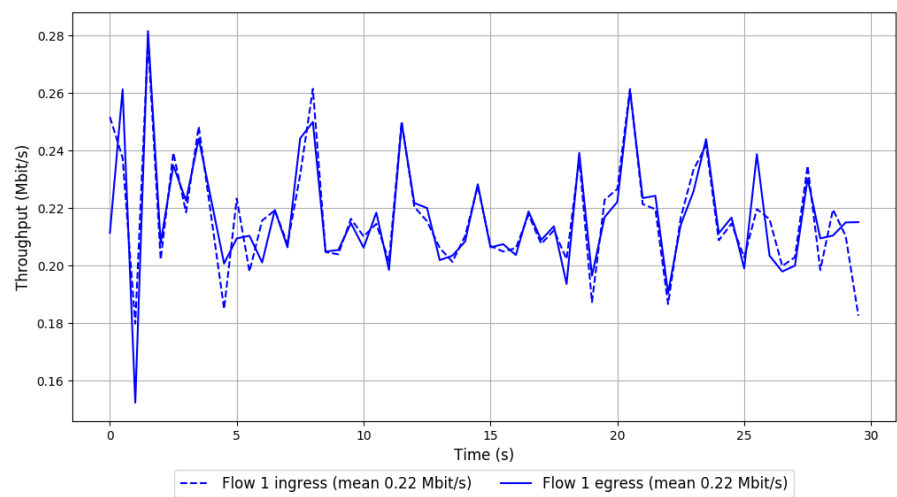


```
Run 4: Statistics of SCReAM

Start at: 2018-04-24 21:42:56
End at: 2018-04-24 21:43:26

# Below is generated by plot.py at 2018-04-25 00:42:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.737 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 21:55:54

End at: 2018-04-24 21:56:24

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.484 ms

Loss rate: 0.00%

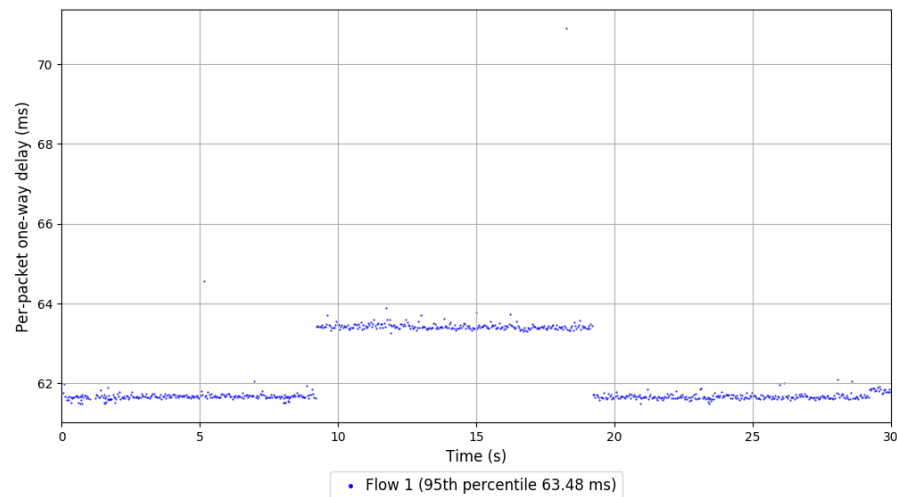
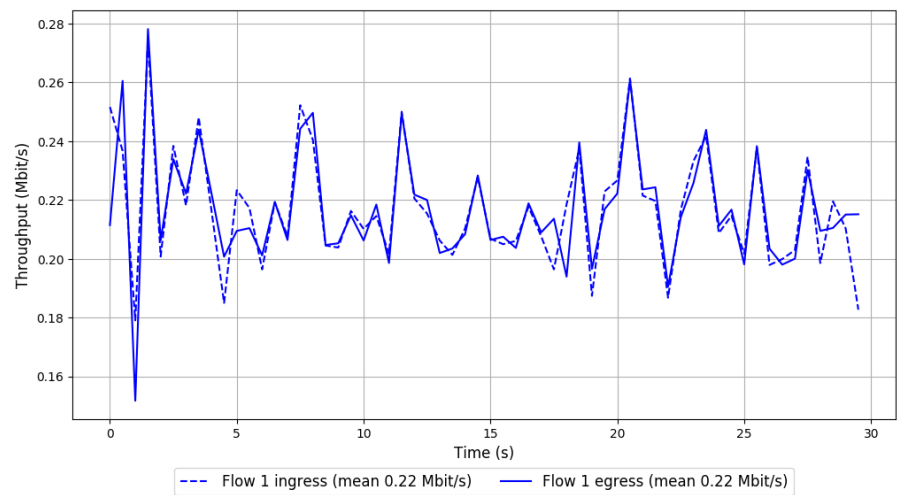
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.484 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 22:08:35

End at: 2018-04-24 22:09:05

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

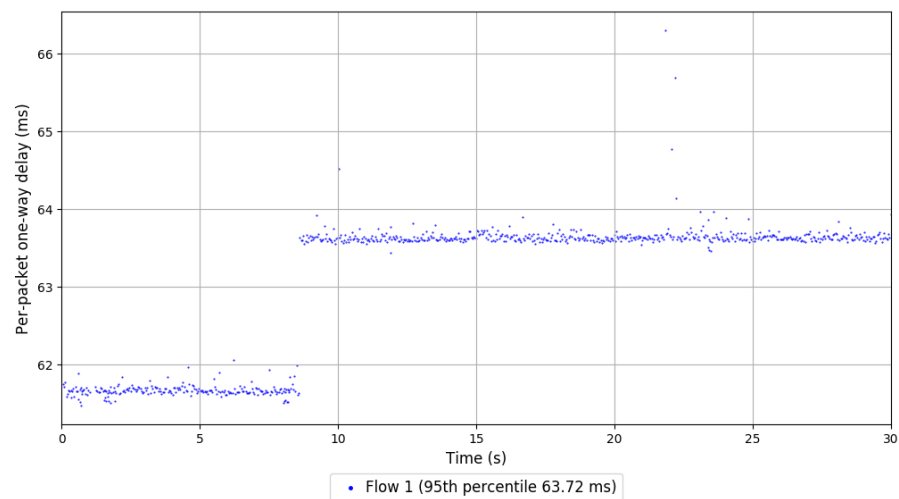
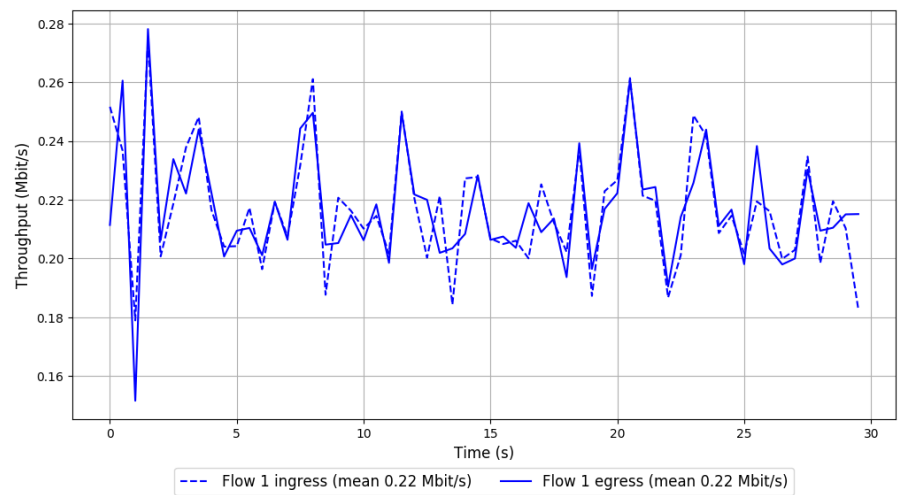
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 22:21:45

End at: 2018-04-24 22:22:16

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.654 ms

Loss rate: 0.00%

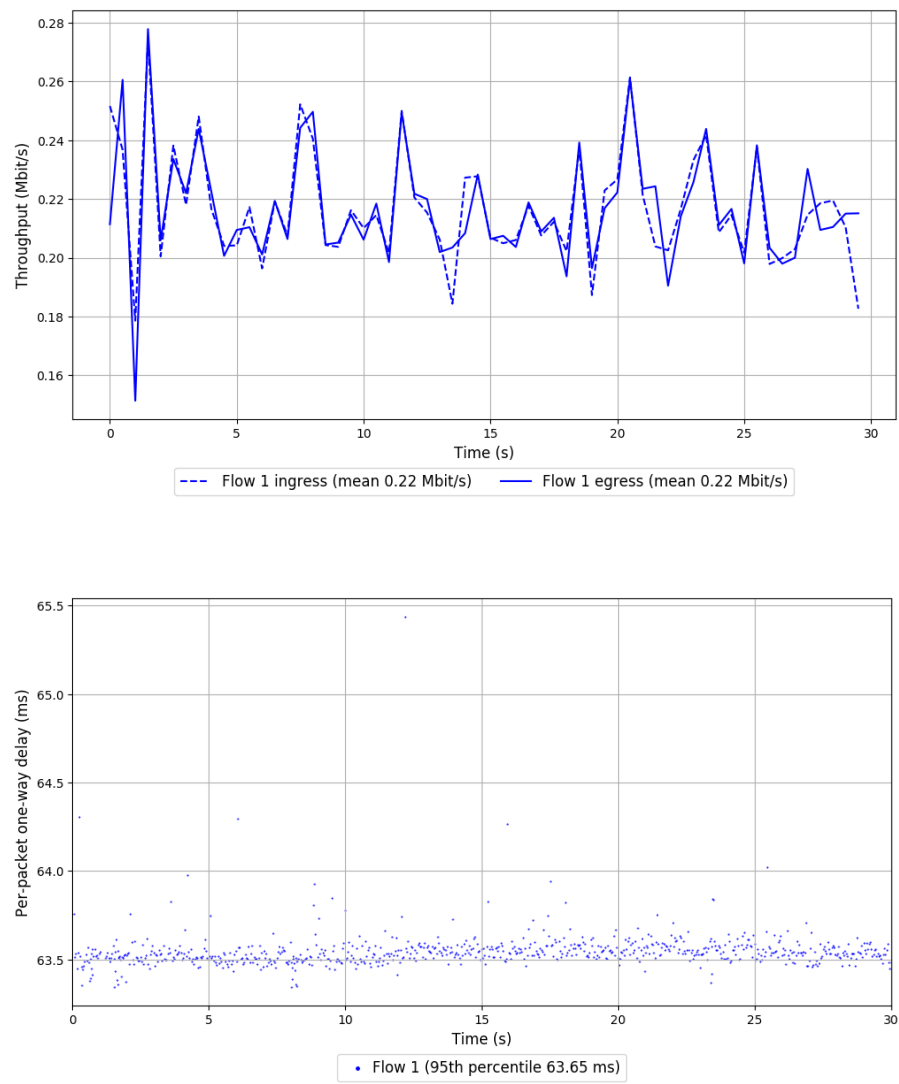
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.654 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 22:34:50

End at: 2018-04-24 22:35:20

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.848 ms

Loss rate: 0.00%

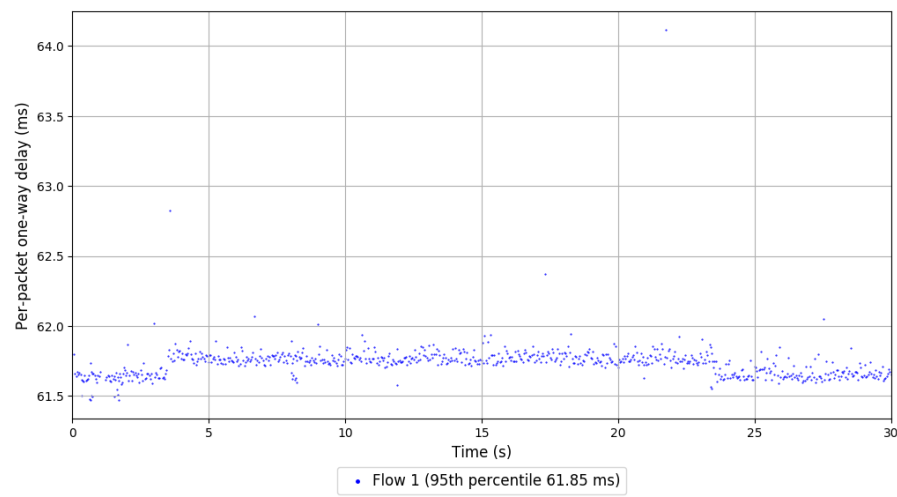
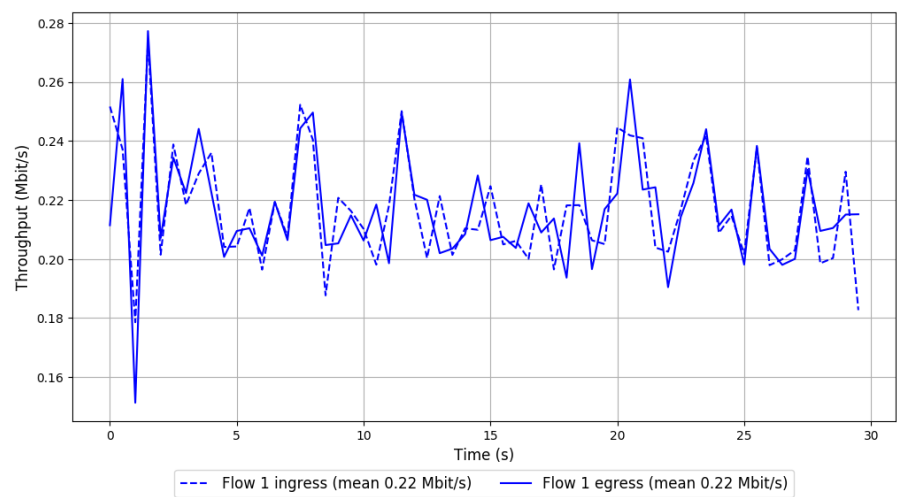
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.848 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 22:47:51

End at: 2018-04-24 22:48:21

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.625 ms

Loss rate: 0.00%

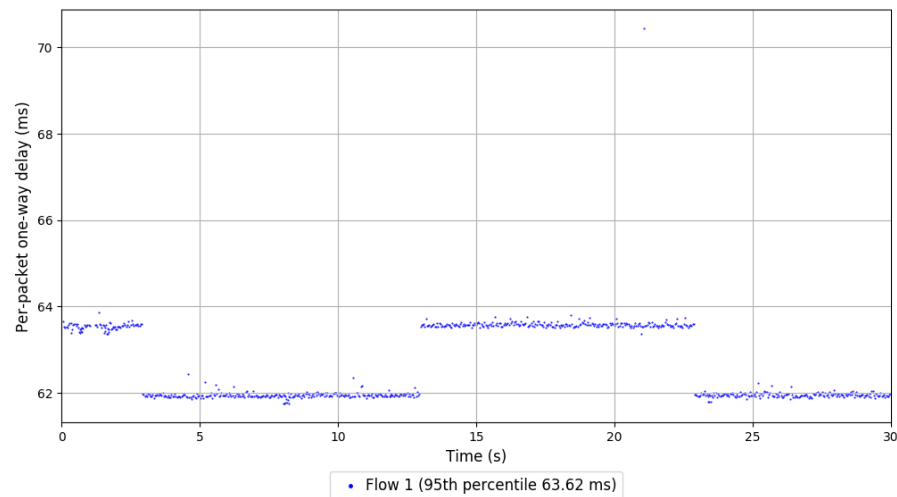
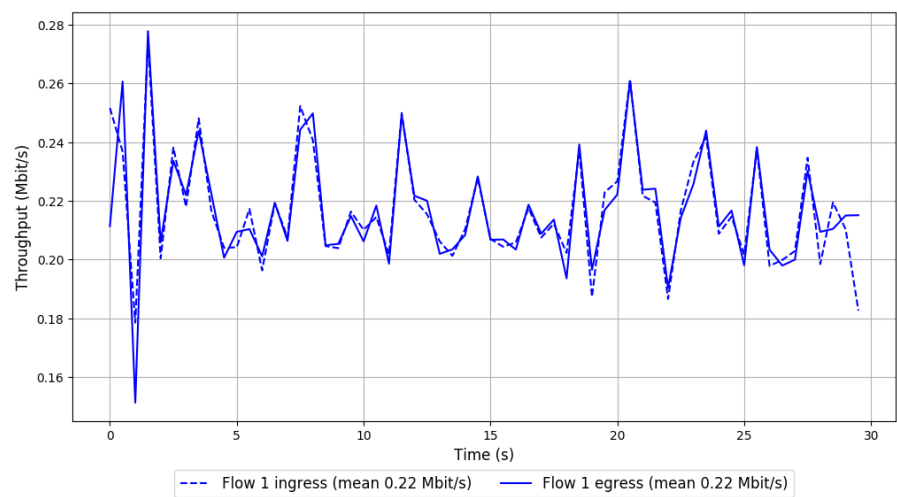
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.625 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

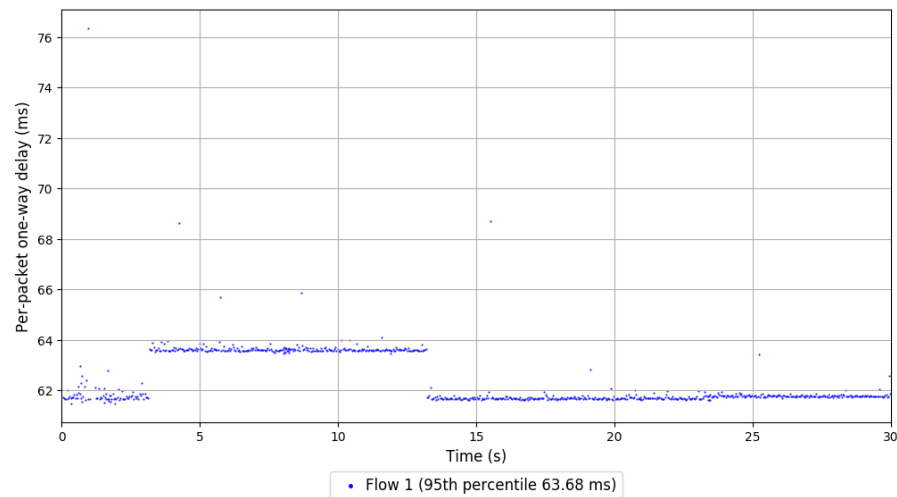
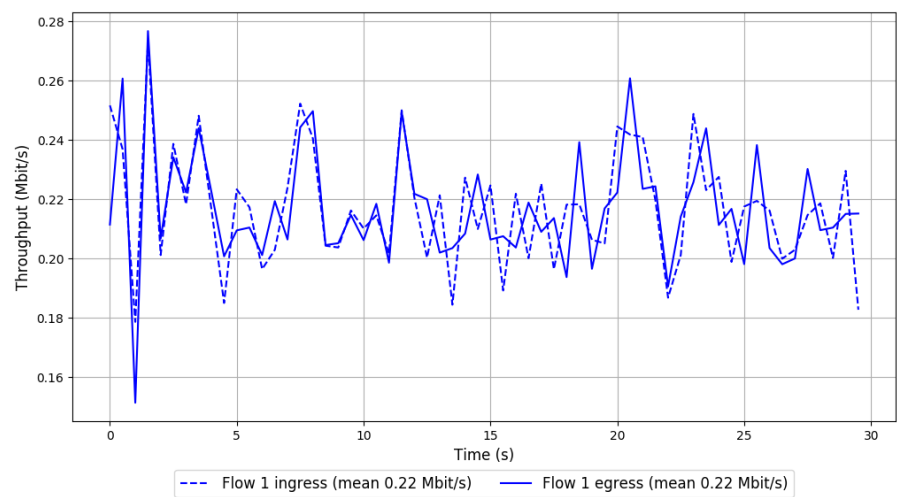


```
Run 10: Statistics of SReAM

Start at: 2018-04-24 23:01:11
End at: 2018-04-24 23:01:41

# Below is generated by plot.py at 2018-04-25 00:42:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.682 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

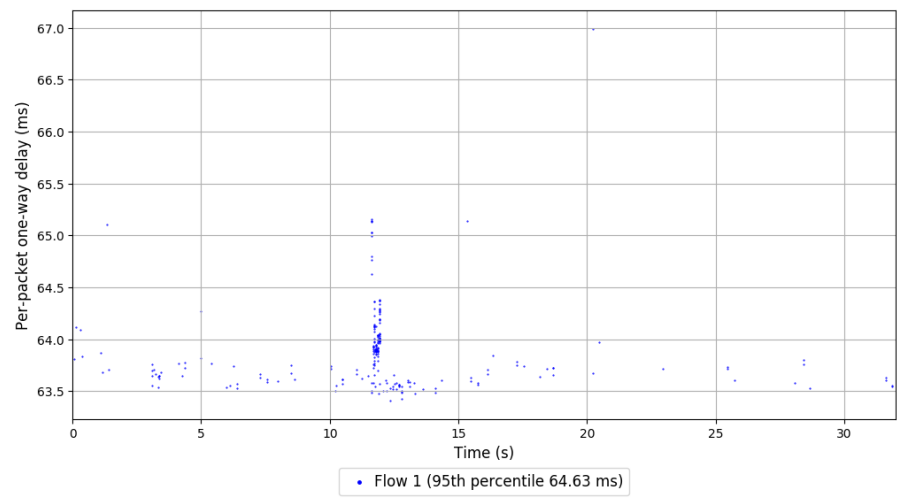
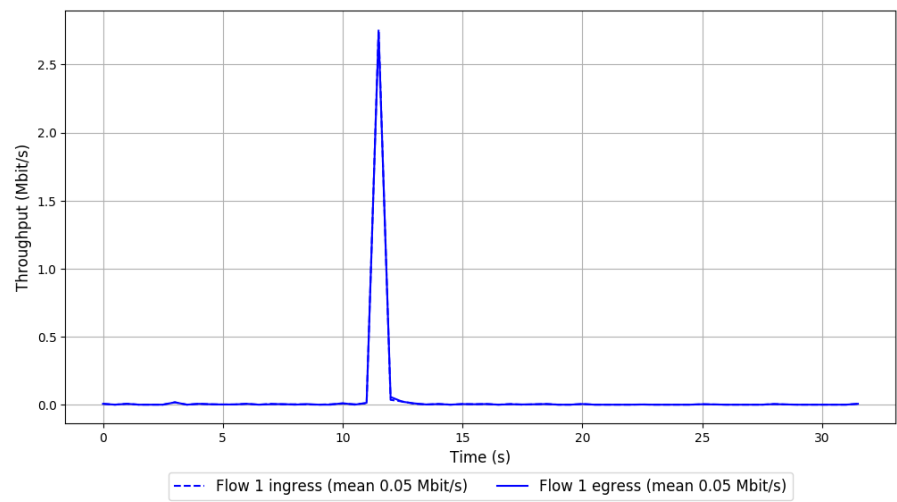


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 21:05:10
End at: 2018-04-24 21:05:40

# Below is generated by plot.py at 2018-04-25 00:42:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 64.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 64.627 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

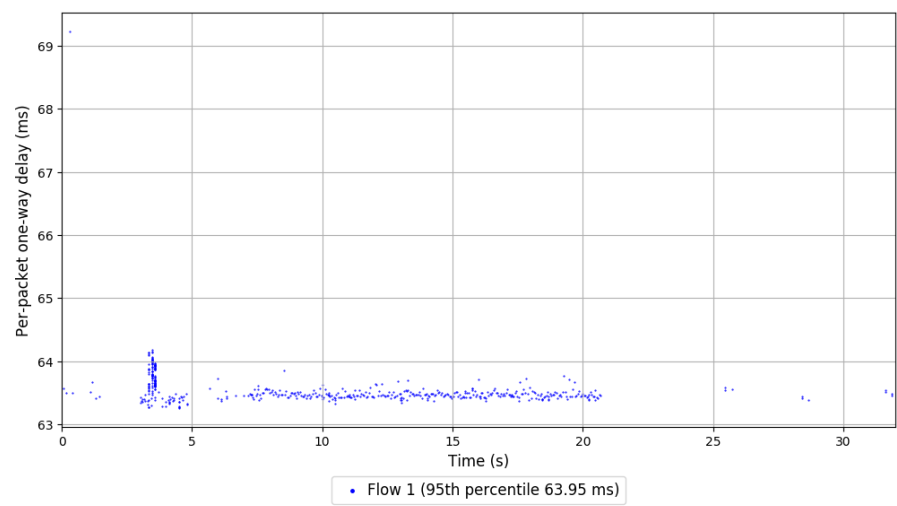
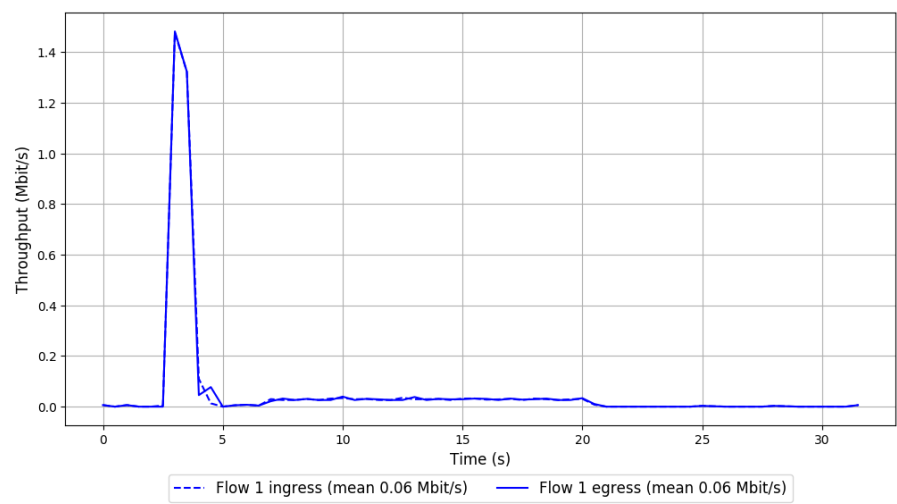


```
Run 2: Statistics of WebRTC media

Start at: 2018-04-24 21:18:11
End at: 2018-04-24 21:18:41

# Below is generated by plot.py at 2018-04-25 00:42:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 63.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 63.945 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 21:31:08

End at: 2018-04-24 21:31:38

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

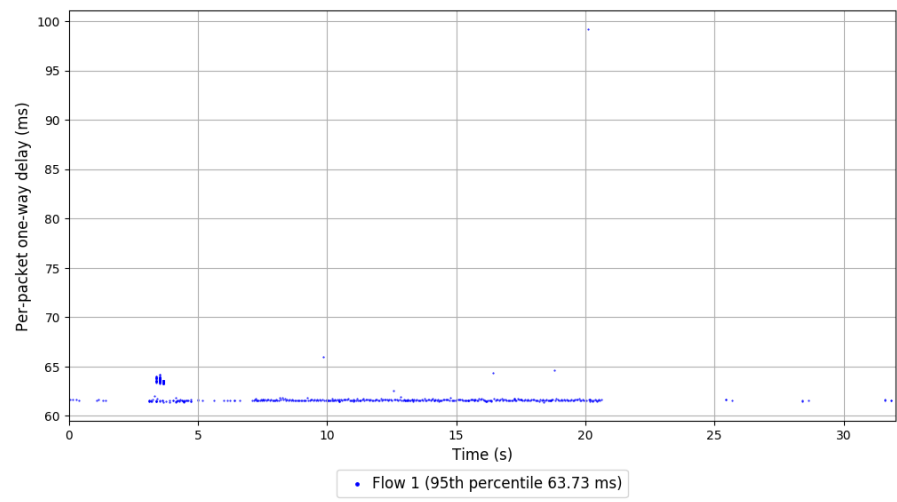
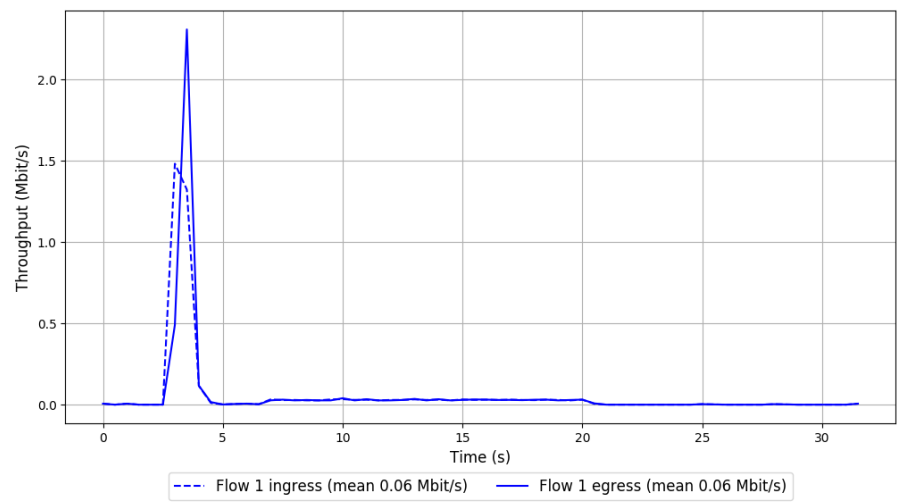
-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 21:44:19

End at: 2018-04-24 21:44:49

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.867 ms

Loss rate: 0.00%

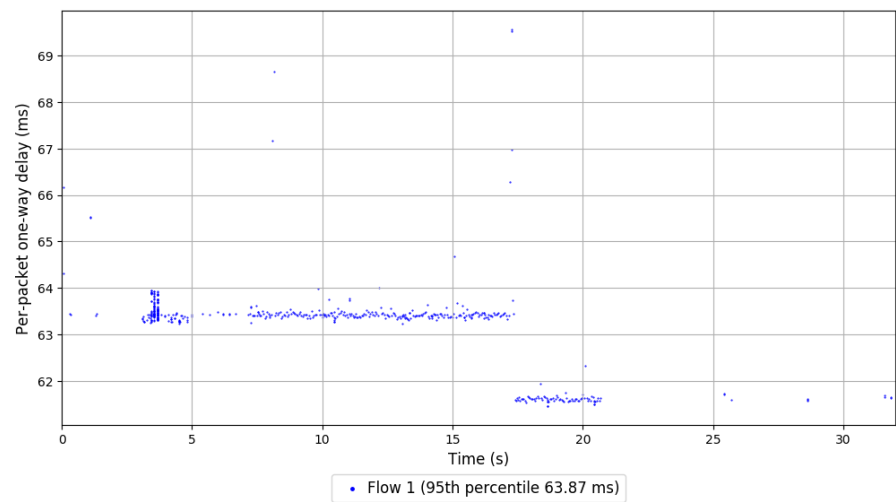
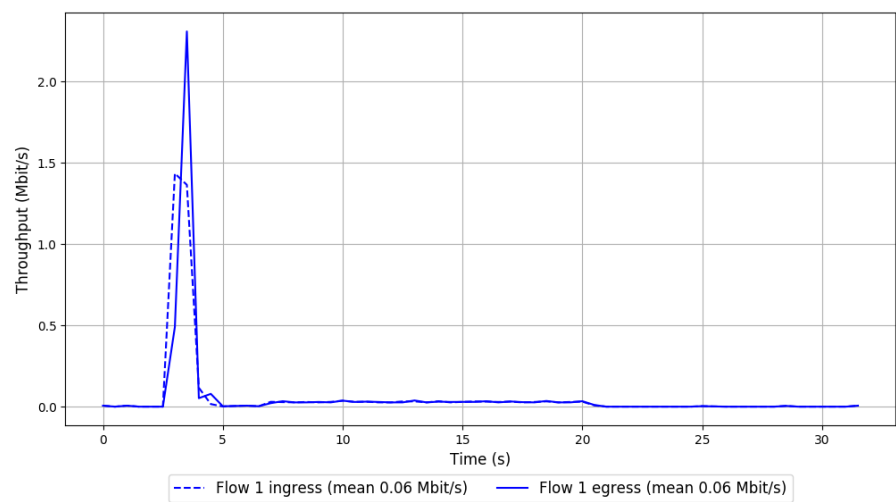
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.867 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 21:57:18

End at: 2018-04-24 21:57:48

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.868 ms

Loss rate: 0.00%

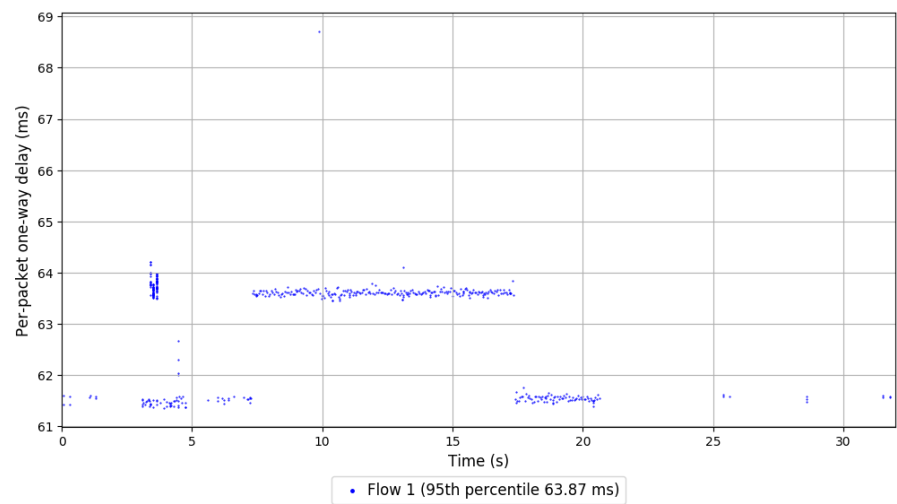
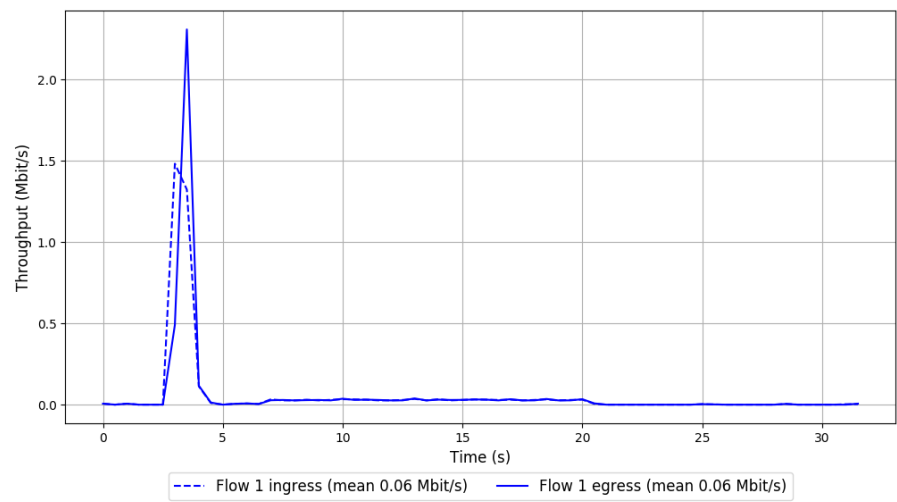
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.868 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 22:09:59

End at: 2018-04-24 22:10:29

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.804 ms

Loss rate: 0.00%

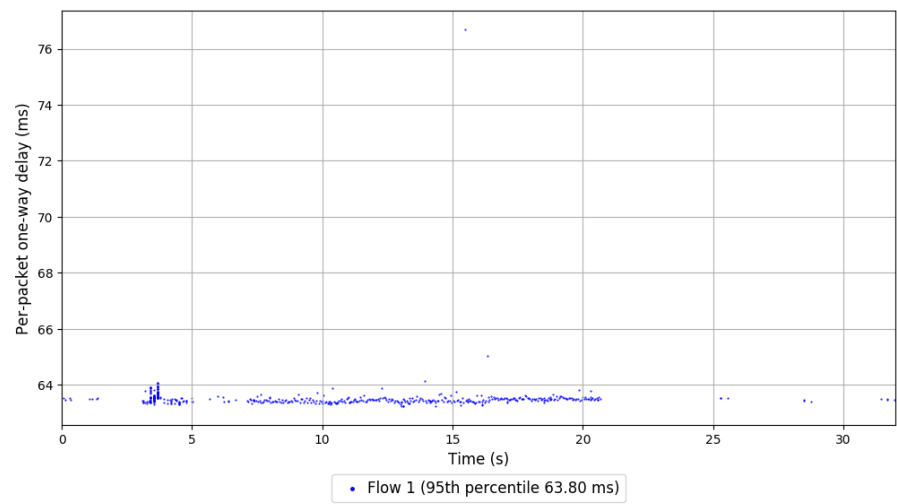
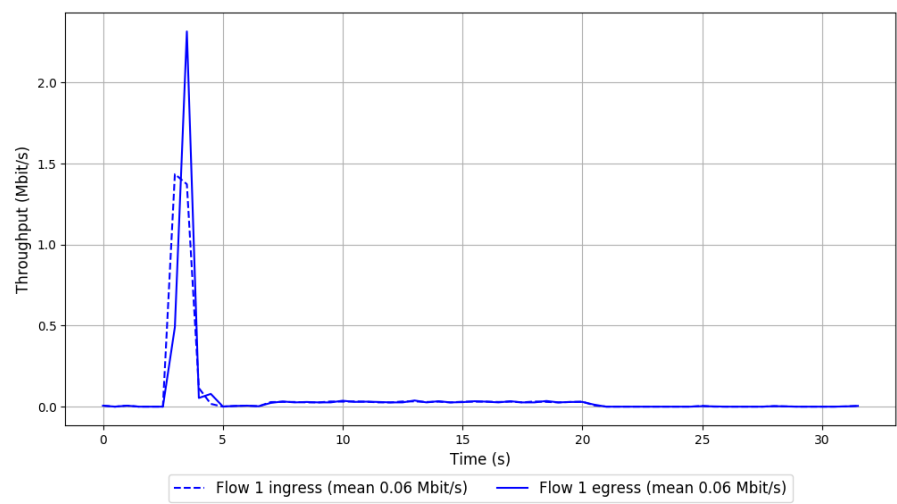
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.804 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 22:23:10

End at: 2018-04-24 22:23:40

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 64.108 ms

Loss rate: 0.00%

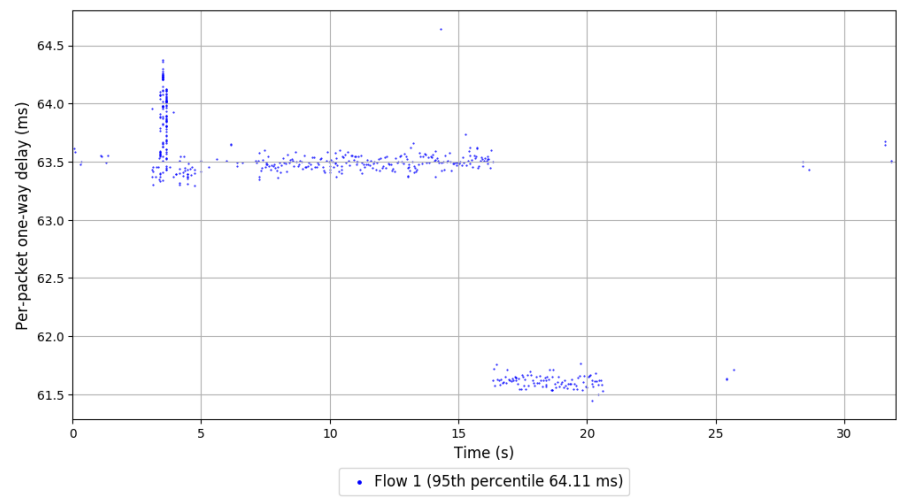
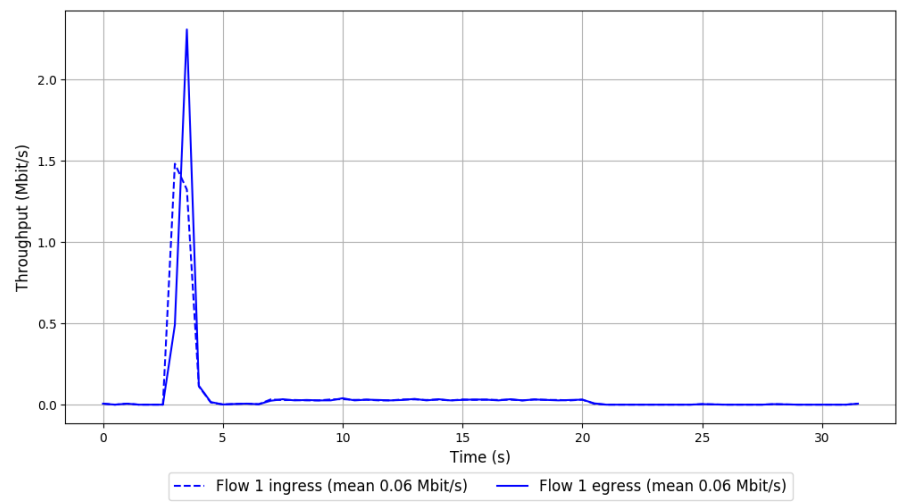
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 64.108 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 22:36:15

End at: 2018-04-24 22:36:45

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

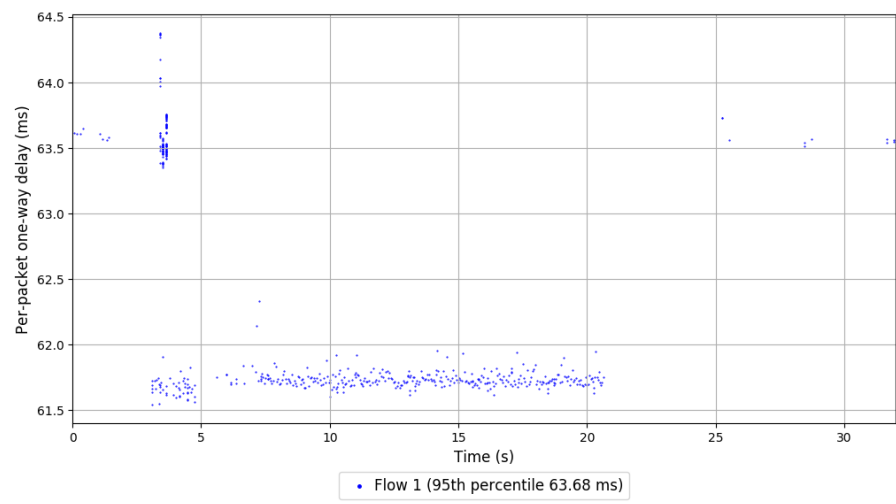
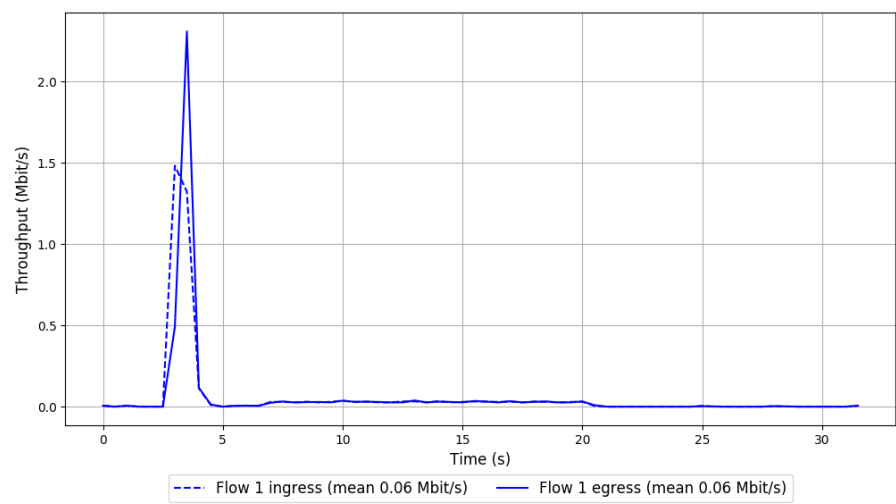
-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 22:49:15

End at: 2018-04-24 22:49:45

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.889 ms

Loss rate: 0.00%

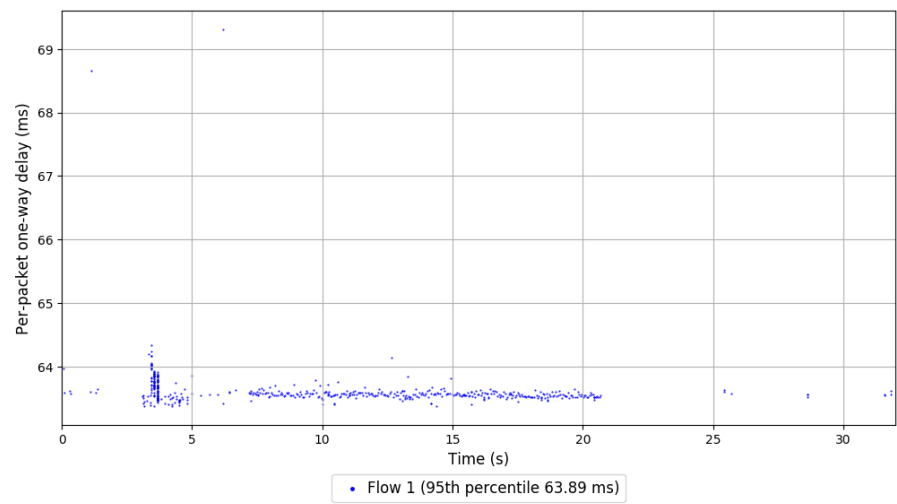
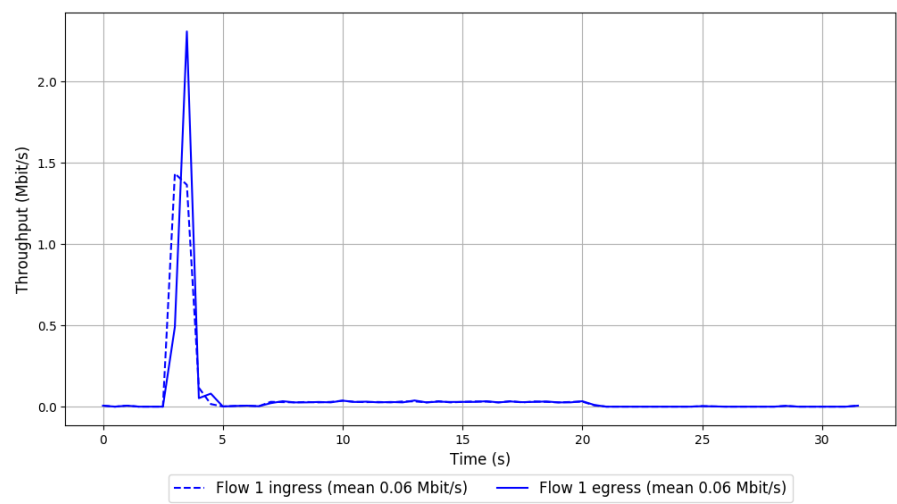
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.889 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 23:02:34

End at: 2018-04-24 23:03:04

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.548 ms

Loss rate: 0.00%

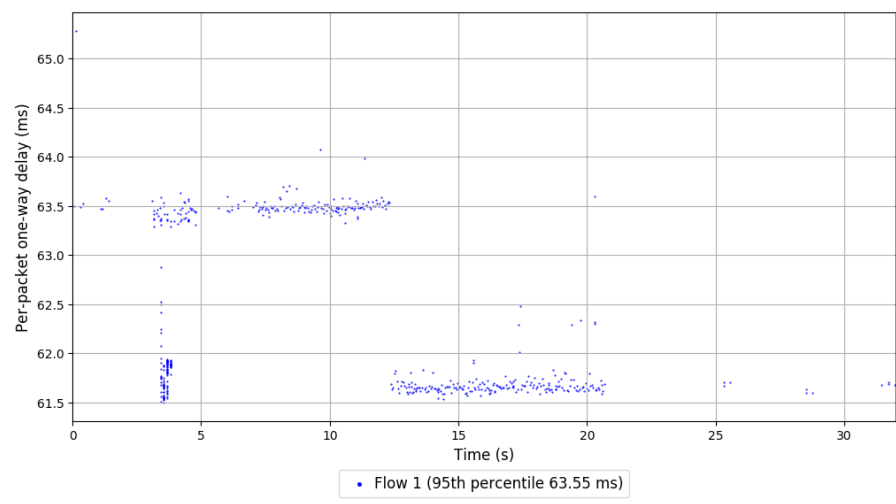
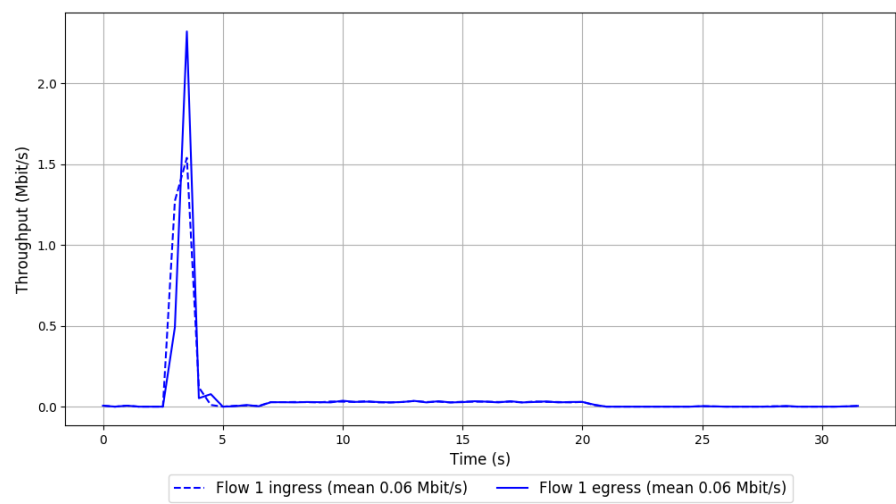
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.548 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 21:05:47

End at: 2018-04-24 21:06:17

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.58 Mbit/s

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

Loss rate: 0.00%

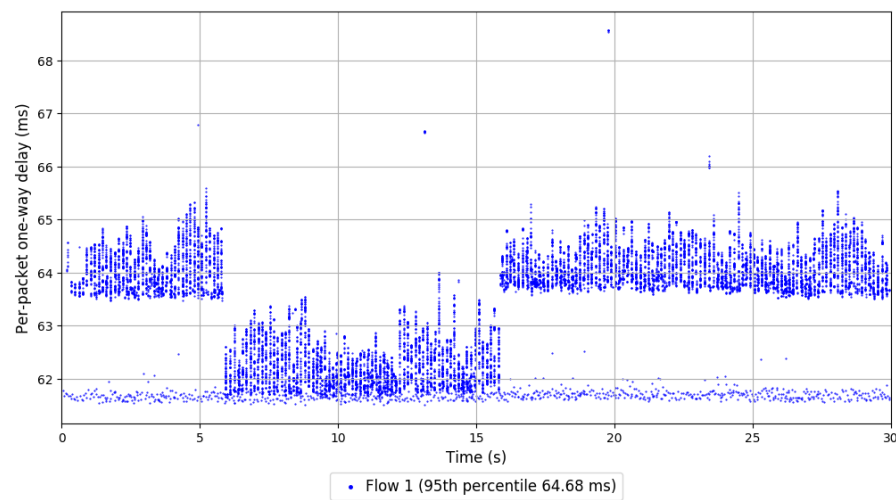
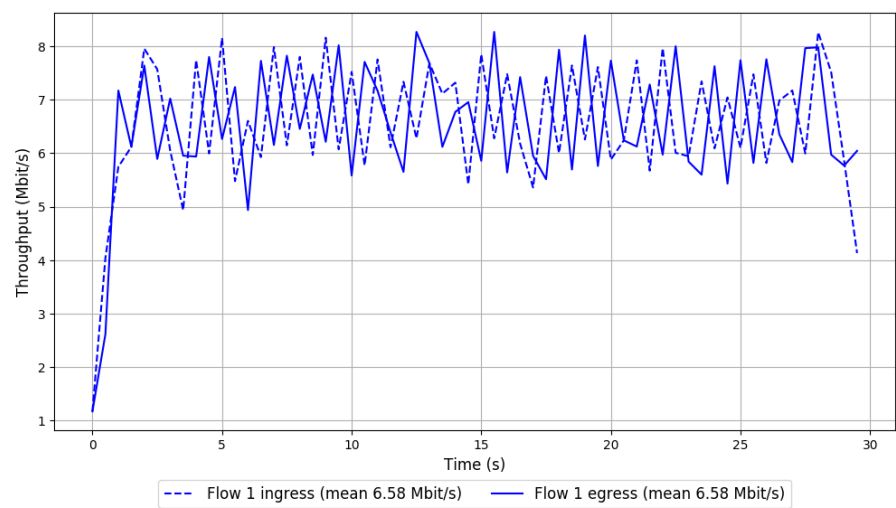
-- Flow 1:

Average throughput: 6.58 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 21:18:48

End at: 2018-04-24 21:19:18

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 64.639 ms

Loss rate: 0.00%

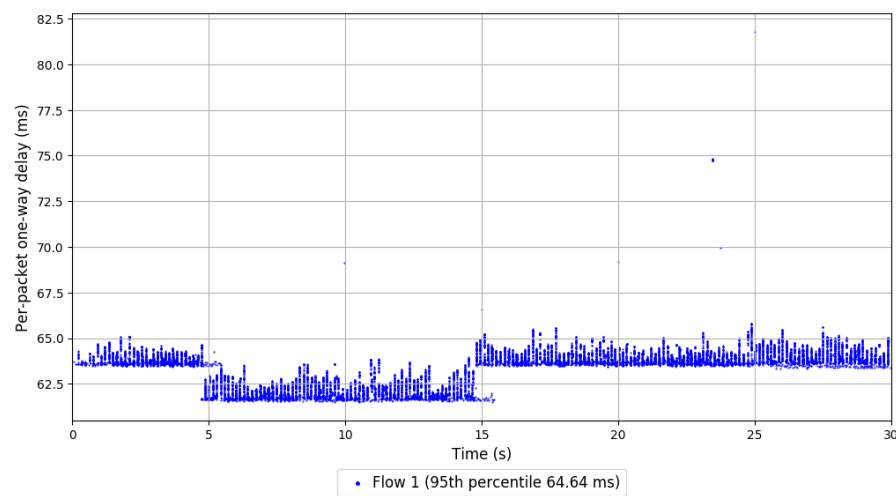
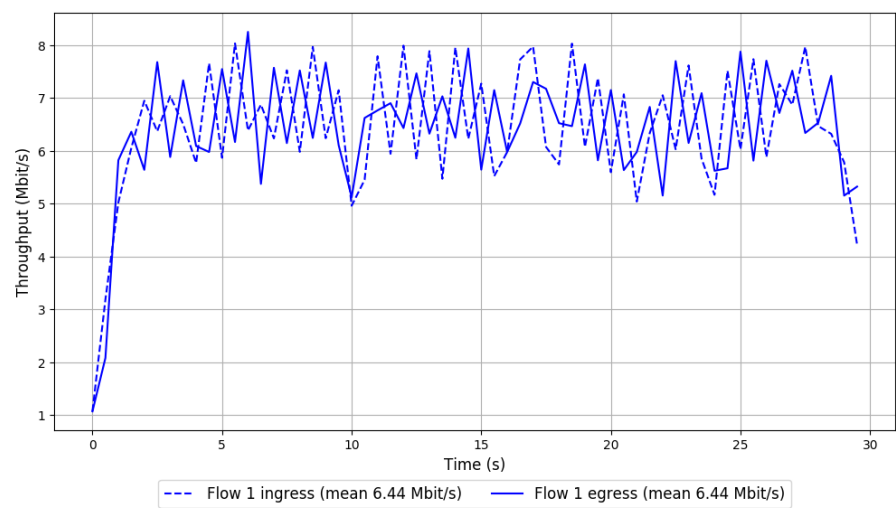
-- Flow 1:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 64.639 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 21:31:45

End at: 2018-04-24 21:32:15

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.564 ms

Loss rate: 0.00%

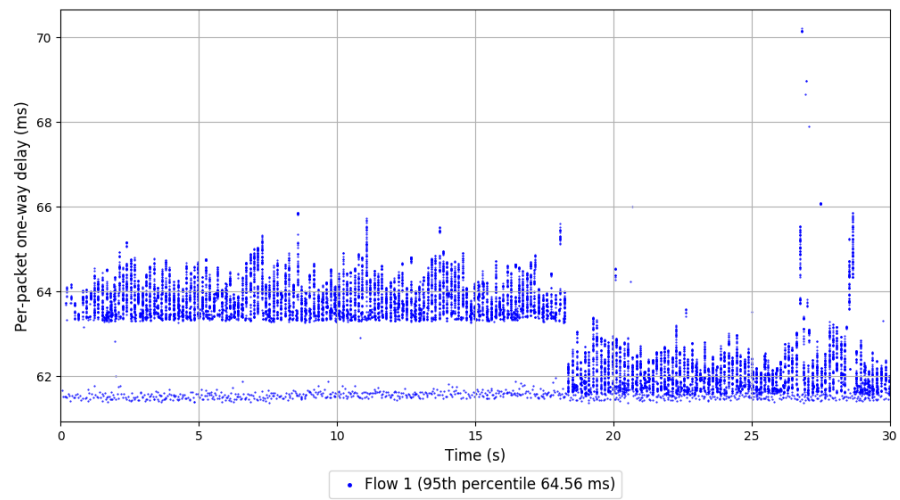
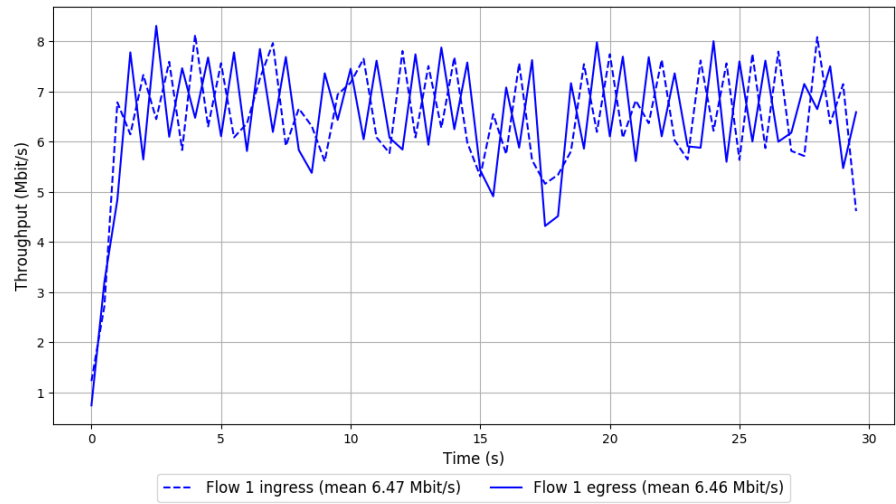
-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.564 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-24 21:44:56

End at: 2018-04-24 21:45:26

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 64.953 ms

Loss rate: 0.00%

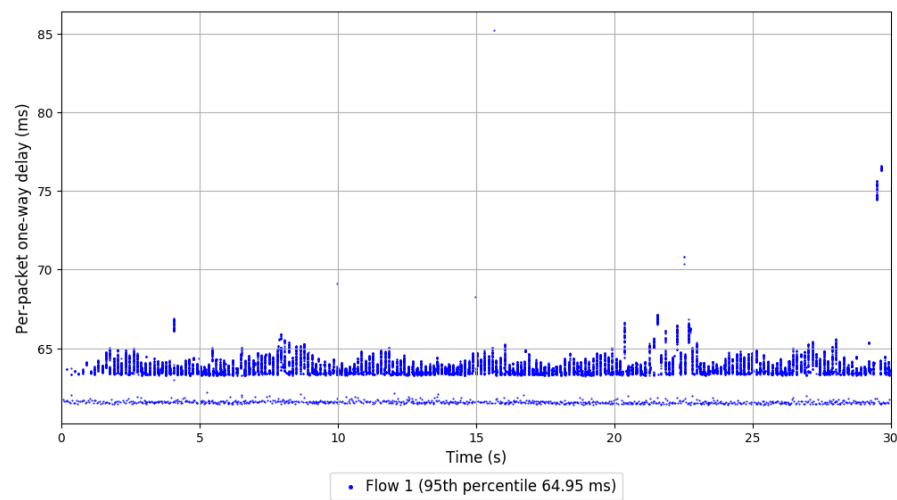
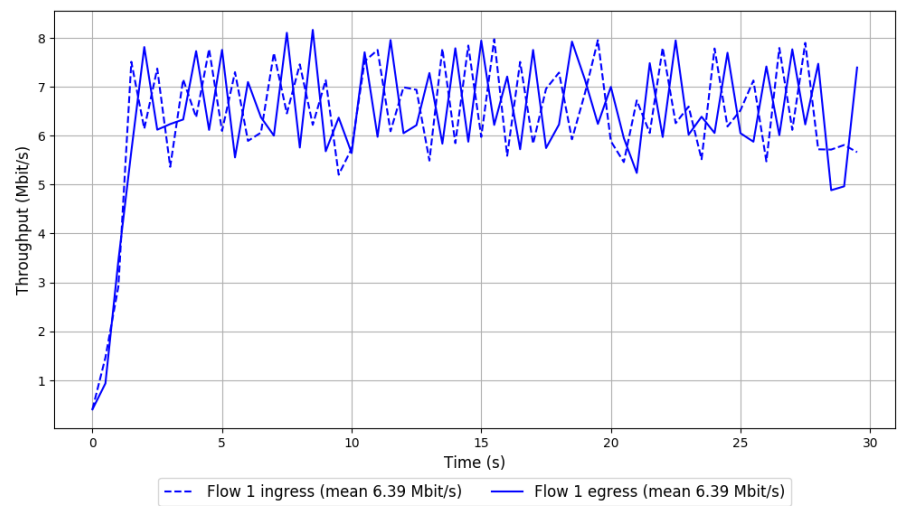
-- Flow 1:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 64.953 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 21:57:56

End at: 2018-04-24 21:58:26

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 65.013 ms

Loss rate: 0.00%

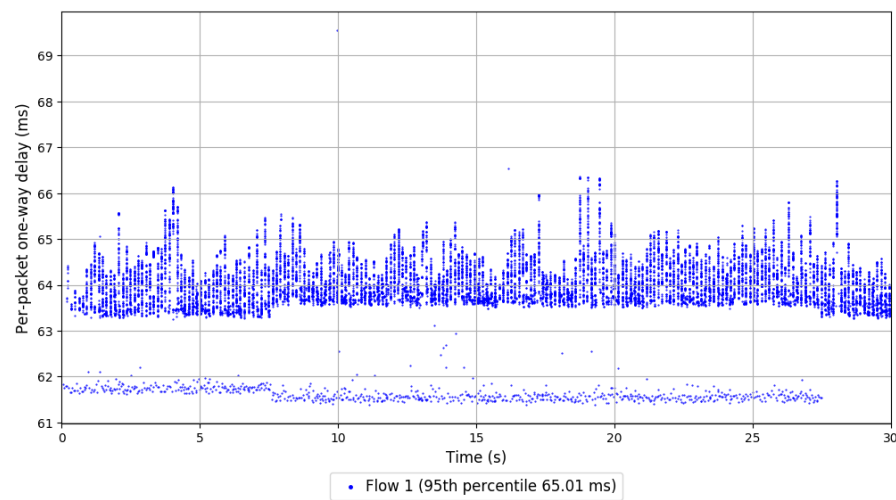
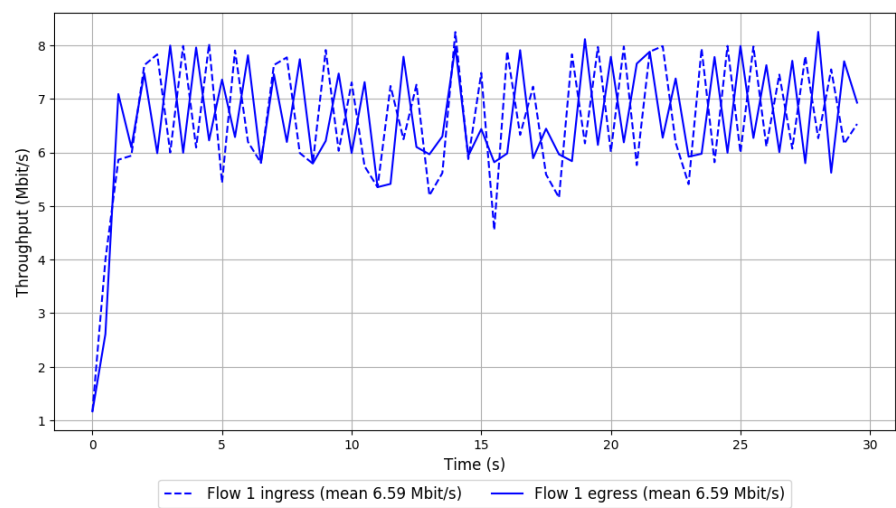
-- Flow 1:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 65.013 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 22:10:37

End at: 2018-04-24 22:11:07

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.819 ms

Loss rate: 0.00%

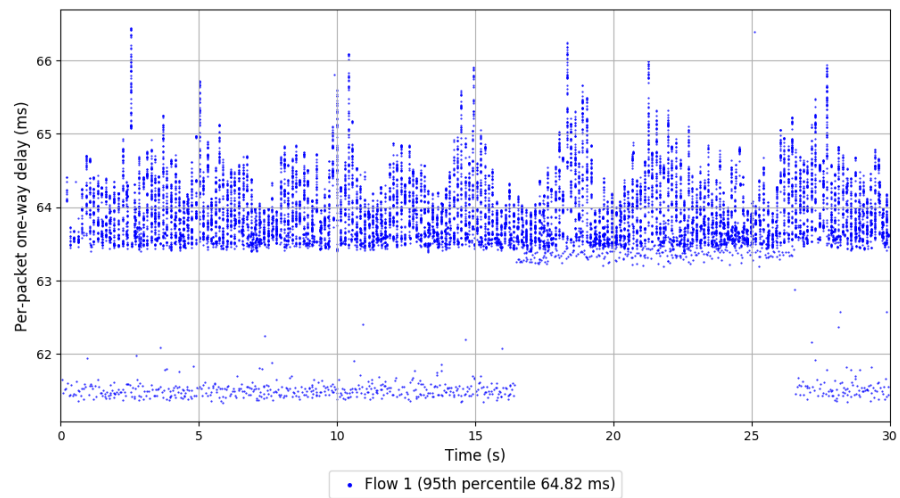
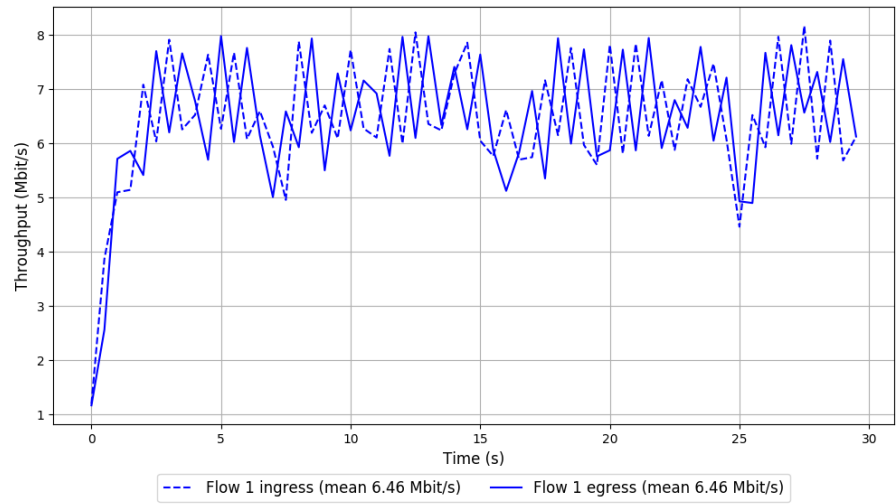
-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.819 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 22:23:47

End at: 2018-04-24 22:24:17

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 65.004 ms

Loss rate: 0.00%

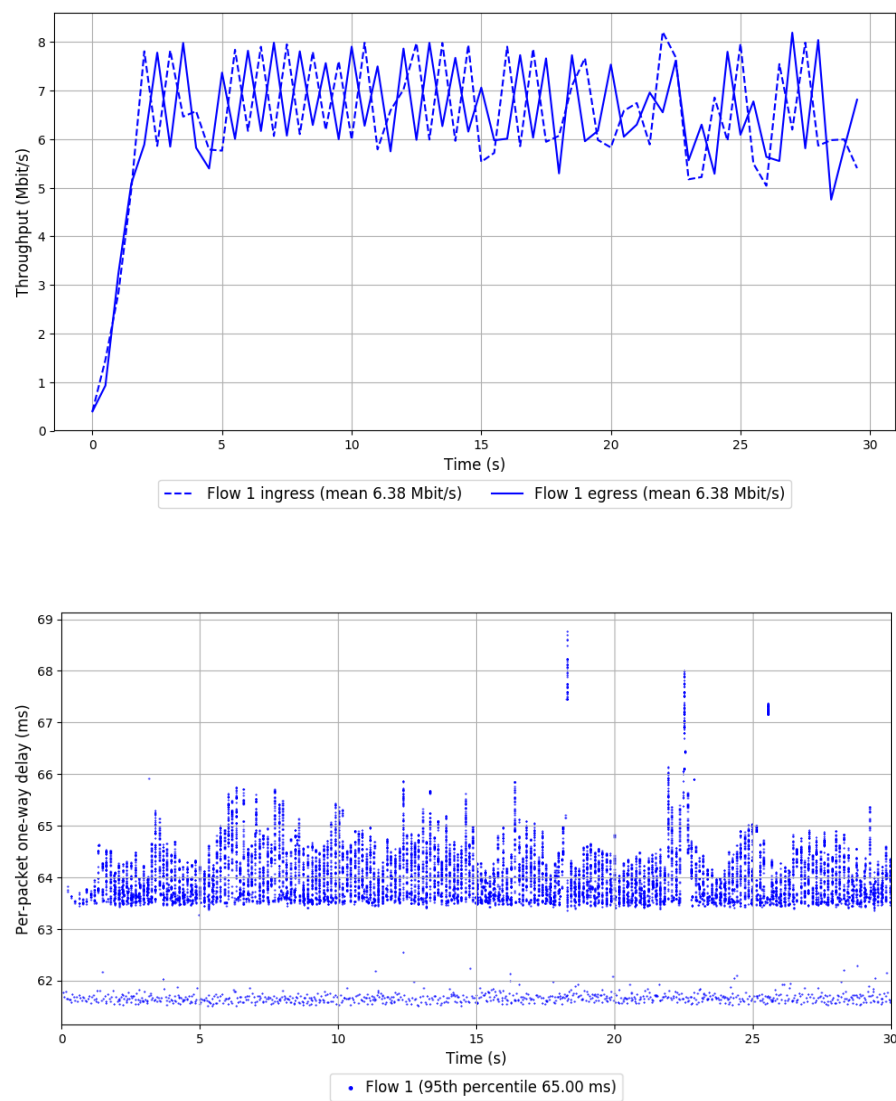
-- Flow 1:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 65.004 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 22:36:52

End at: 2018-04-24 22:37:22

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 64.917 ms

Loss rate: 0.00%

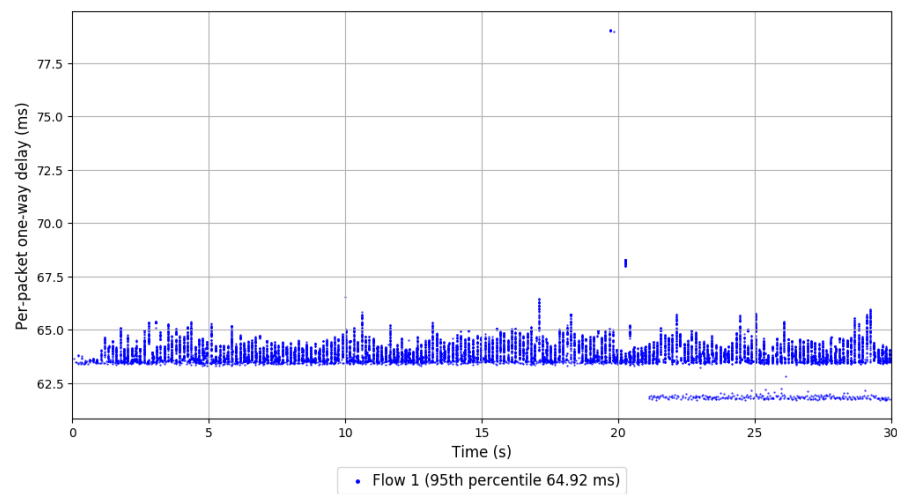
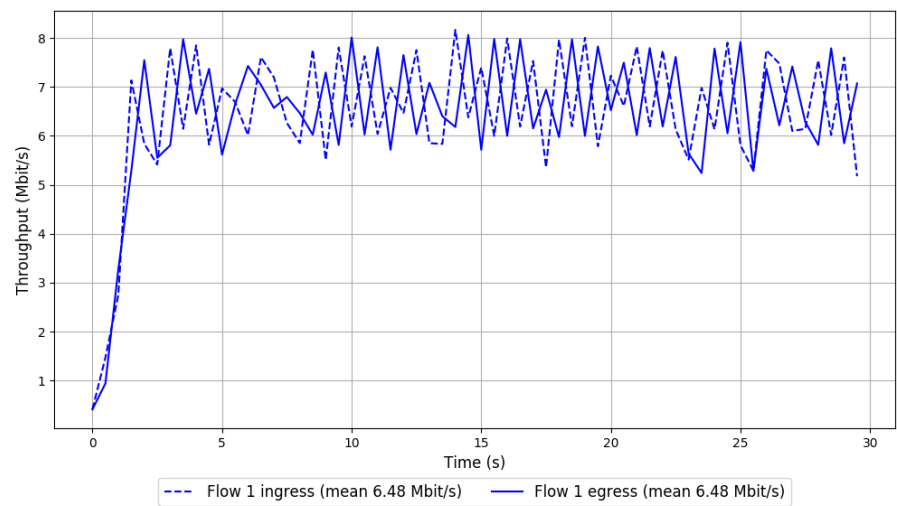
-- Flow 1:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 64.917 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 22:49:52

End at: 2018-04-24 22:50:22

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 64.909 ms

Loss rate: 0.00%

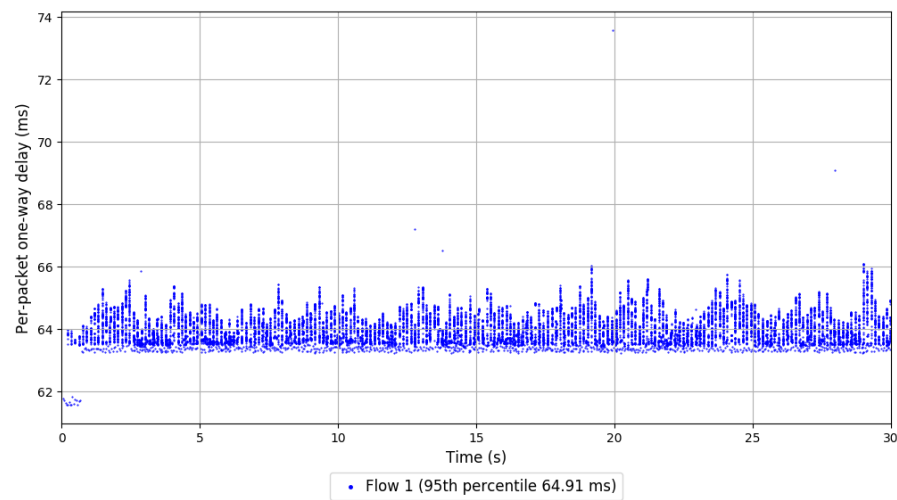
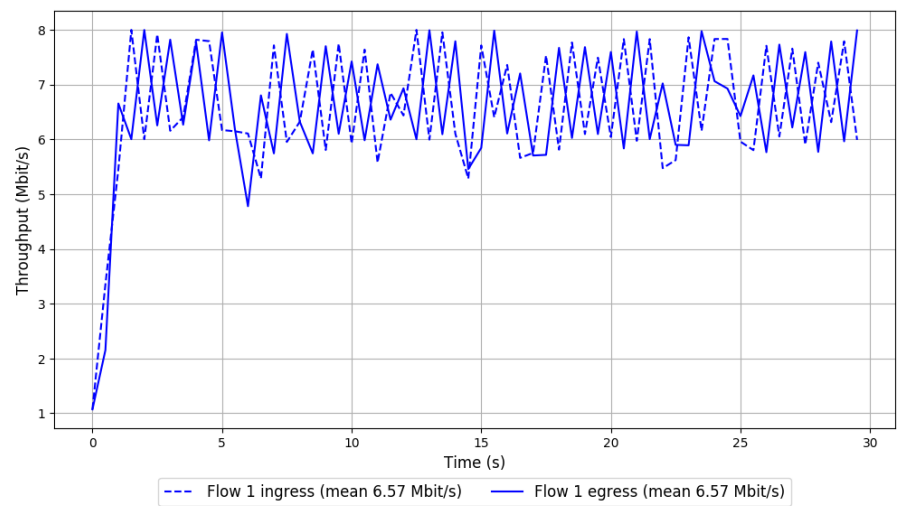
-- Flow 1:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 64.909 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 23:03:12

End at: 2018-04-24 23:03:42

Below is generated by plot.py at 2018-04-25 00:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 65.084 ms

Loss rate: 0.00%

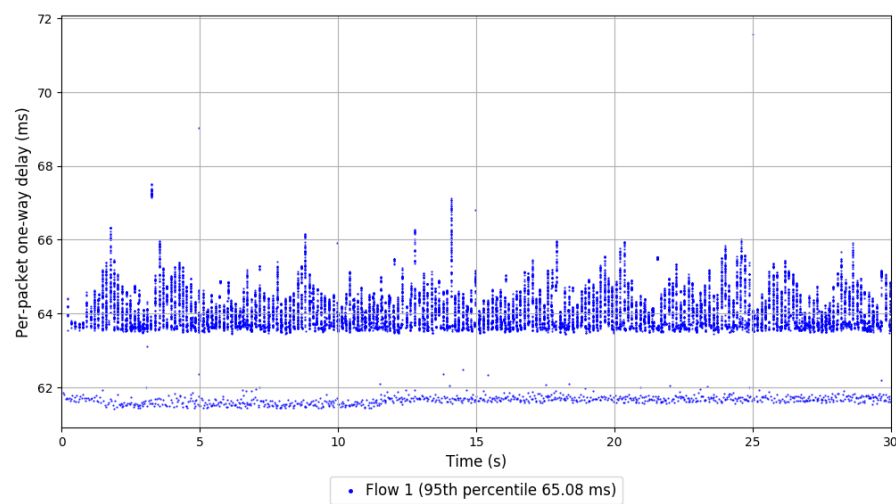
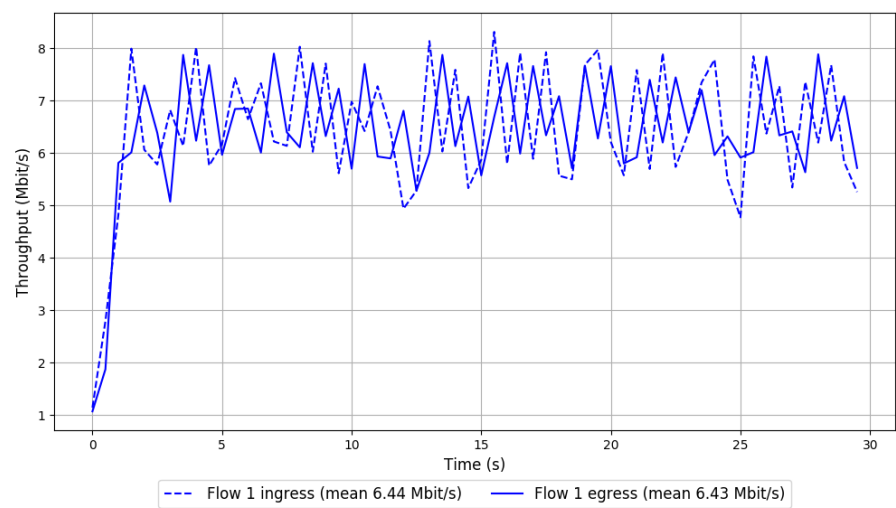
-- Flow 1:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 65.084 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

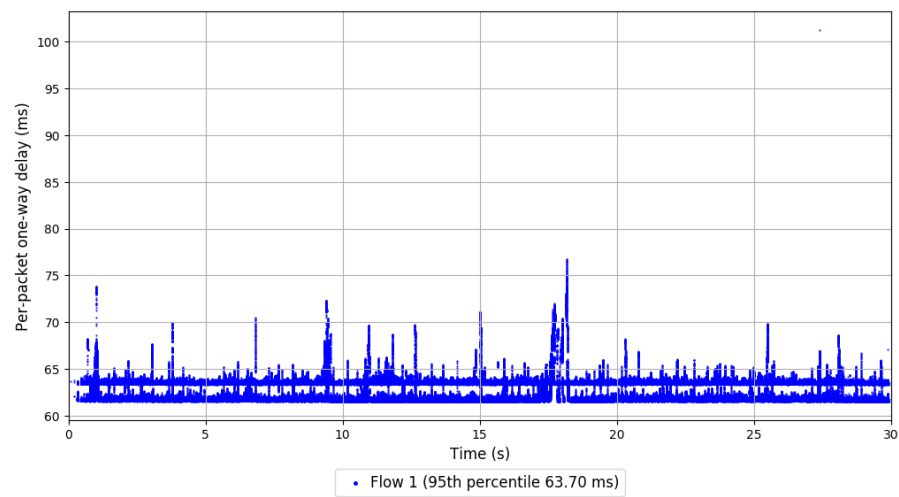
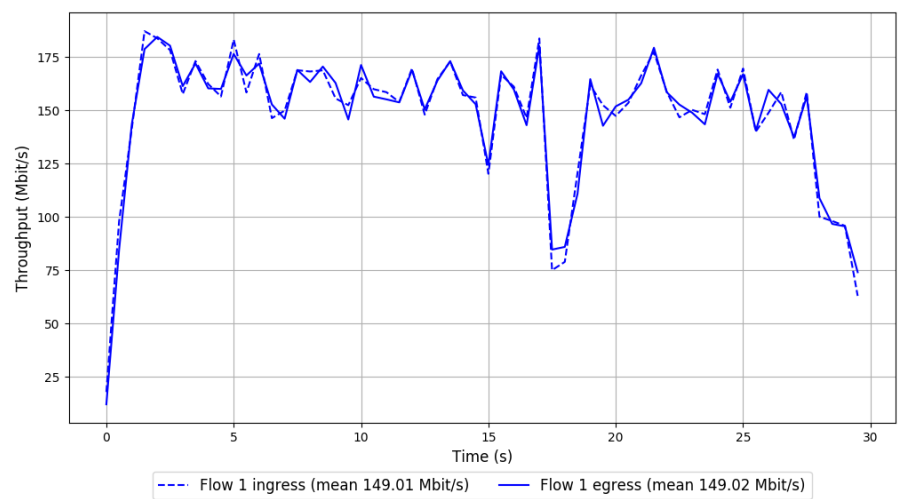


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 20:56:13
End at: 2018-04-24 20:56:43

# Below is generated by plot.py at 2018-04-25 00:44:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.02 Mbit/s
95th percentile per-packet one-way delay: 63.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.02 Mbit/s
95th percentile per-packet one-way delay: 63.701 ms
Loss rate: 0.00%
```

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

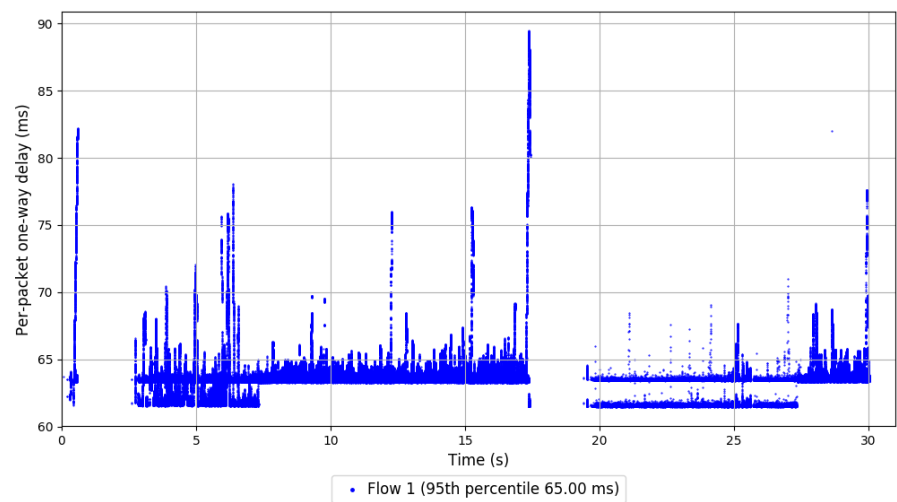
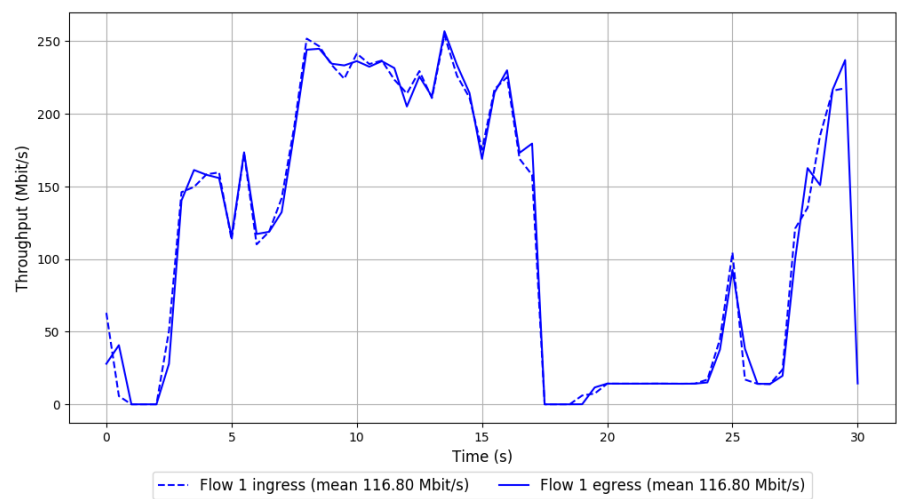


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 21:09:06
End at: 2018-04-24 21:09:36

# Below is generated by plot.py at 2018-04-25 00:44:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 116.80 Mbit/s
95th percentile per-packet one-way delay: 65.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.80 Mbit/s
95th percentile per-packet one-way delay: 65.005 ms
Loss rate: 0.00%
```

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

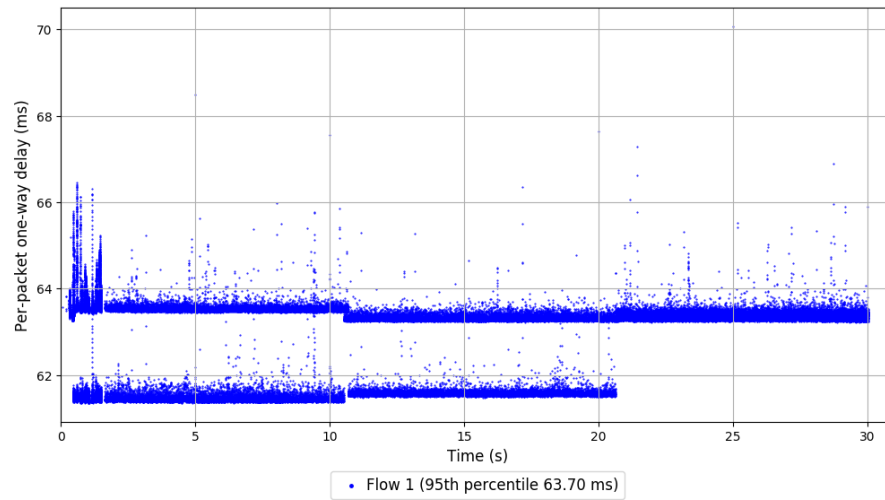
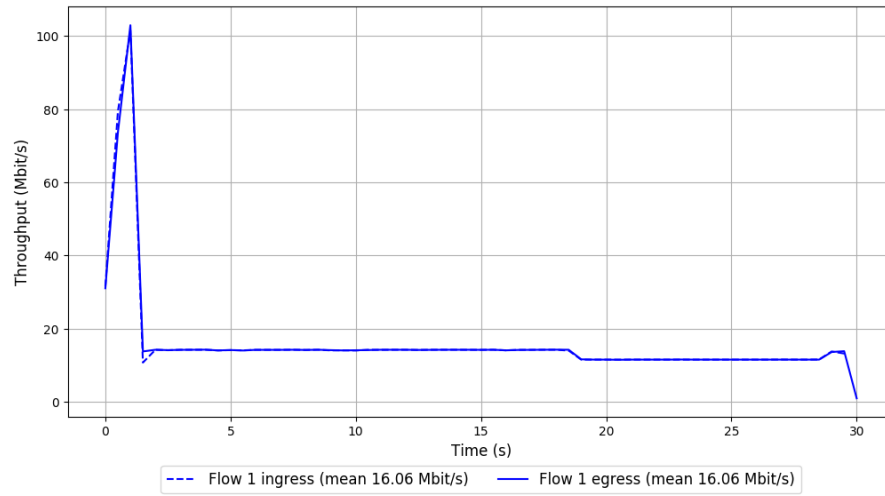


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 21:22:13
End at: 2018-04-24 21:22:43

# Below is generated by plot.py at 2018-04-25 00:44:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 63.703 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 63.703 ms
Loss rate: 0.01%
```

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

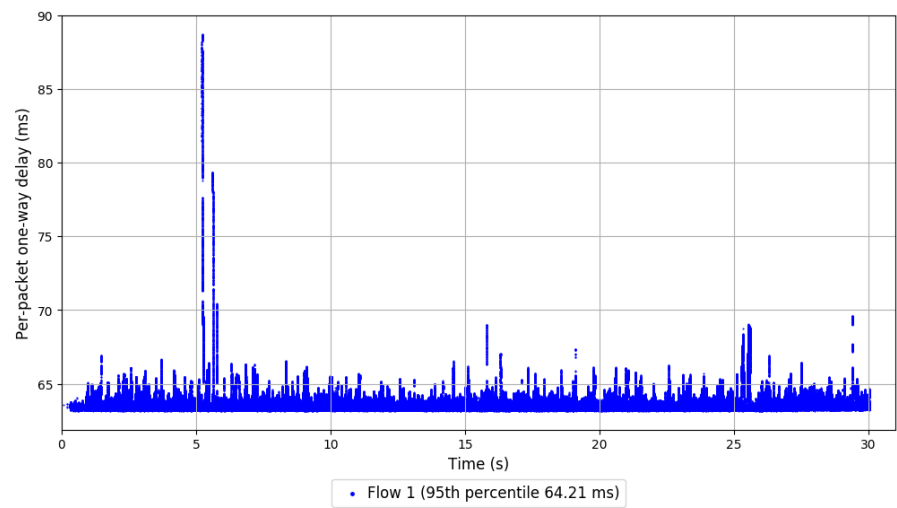
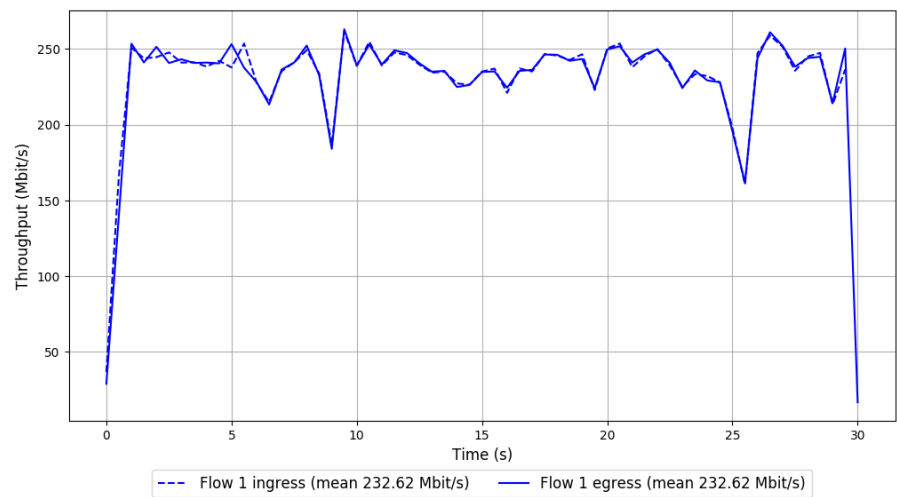


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 21:35:07
End at: 2018-04-24 21:35:37

# Below is generated by plot.py at 2018-04-25 00:47:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.62 Mbit/s
95th percentile per-packet one-way delay: 64.206 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 232.62 Mbit/s
95th percentile per-packet one-way delay: 64.206 ms
Loss rate: 0.01%
```

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

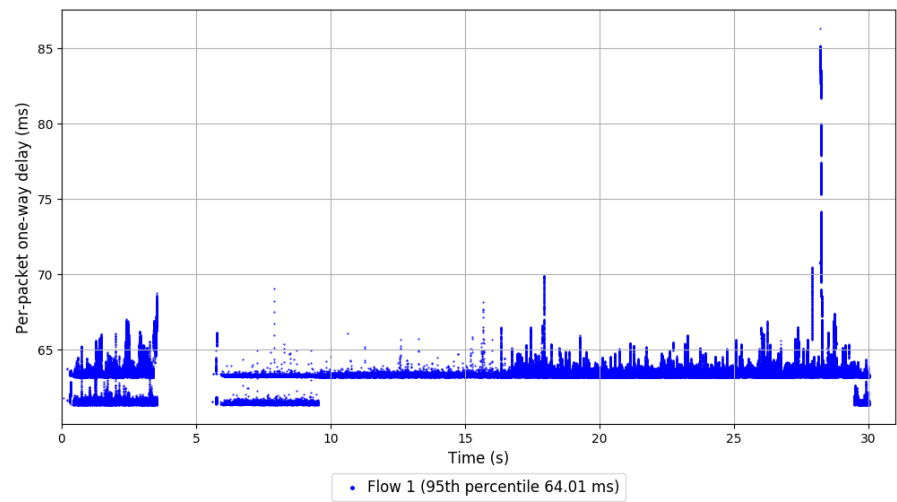
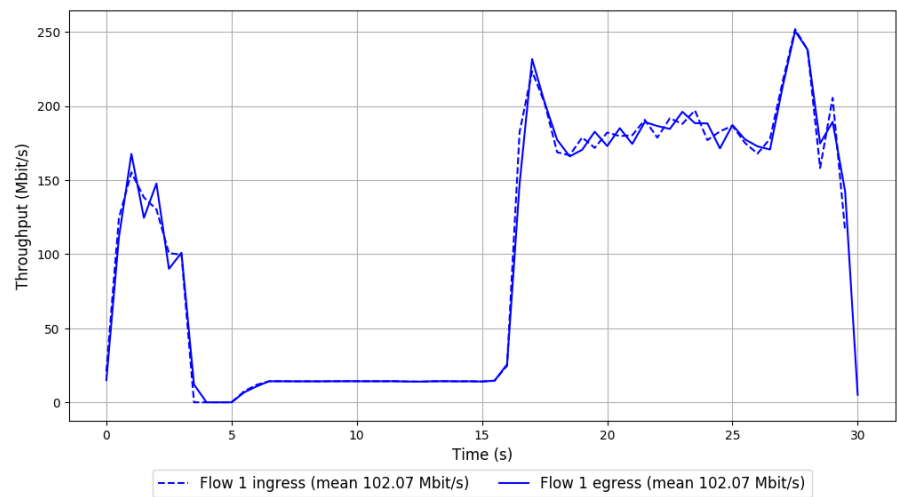


```
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 21:48:14
End at: 2018-04-24 21:48:44

# Below is generated by plot.py at 2018-04-25 00:47:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.07 Mbit/s
95th percentile per-packet one-way delay: 64.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.07 Mbit/s
95th percentile per-packet one-way delay: 64.006 ms
Loss rate: 0.00%
```

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 22:00:58

End at: 2018-04-24 22:01:28

Below is generated by plot.py at 2018-04-25 00:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.59 Mbit/s

95th percentile per-packet one-way delay: 64.266 ms

Loss rate: 0.00%

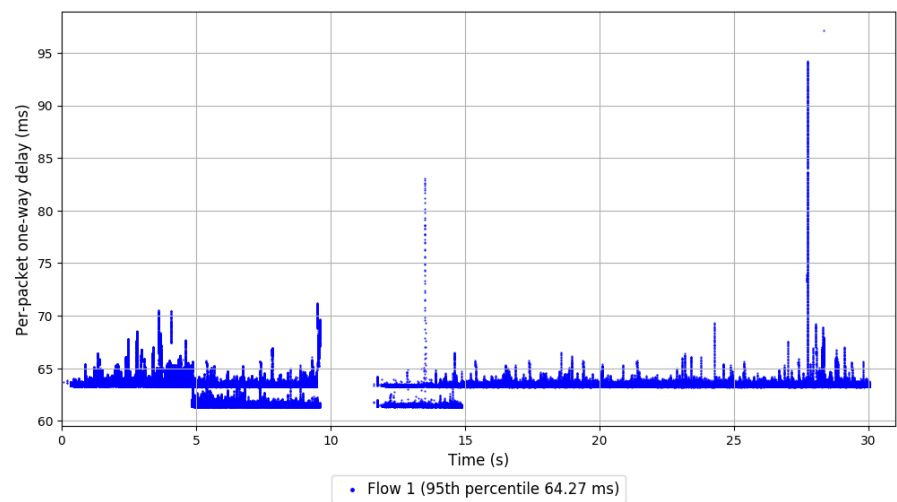
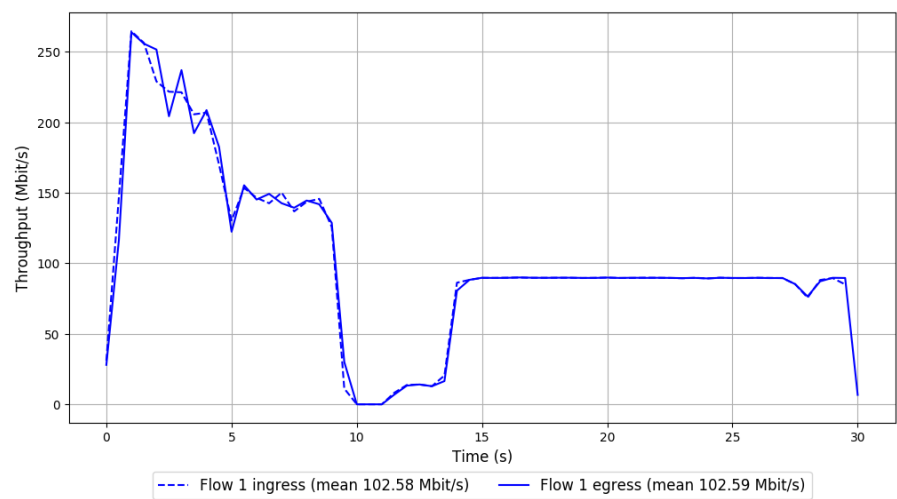
-- Flow 1:

Average throughput: 102.59 Mbit/s

95th percentile per-packet one-way delay: 64.266 ms

Loss rate: 0.00%

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

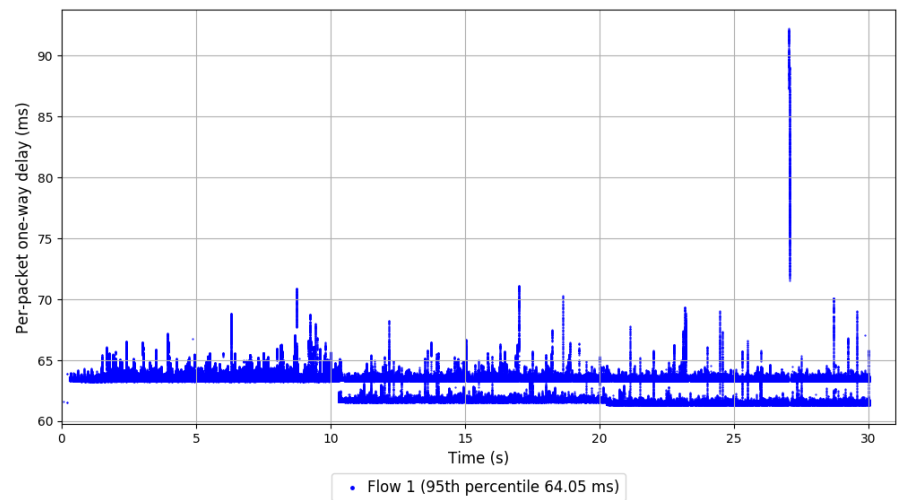
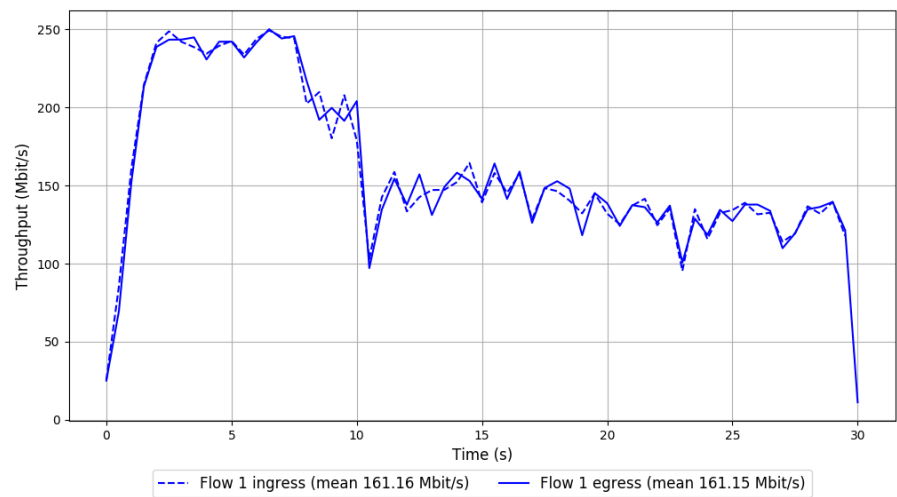


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 22:13:54
End at: 2018-04-24 22:14:24

# Below is generated by plot.py at 2018-04-25 00:47:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.15 Mbit/s
95th percentile per-packet one-way delay: 64.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.15 Mbit/s
95th percentile per-packet one-way delay: 64.053 ms
Loss rate: 0.00%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 22:27:09

End at: 2018-04-24 22:27:39

Below is generated by plot.py at 2018-04-25 00:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.01 Mbit/s

95th percentile per-packet one-way delay: 64.446 ms

Loss rate: 0.00%

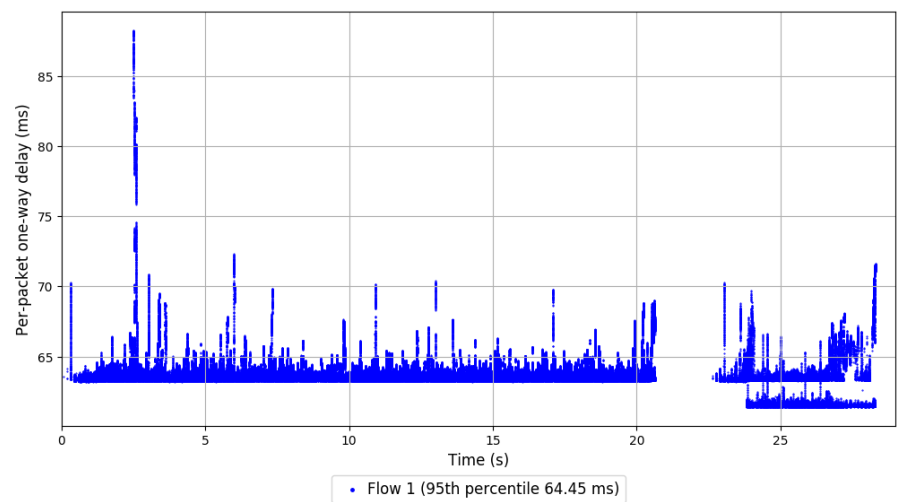
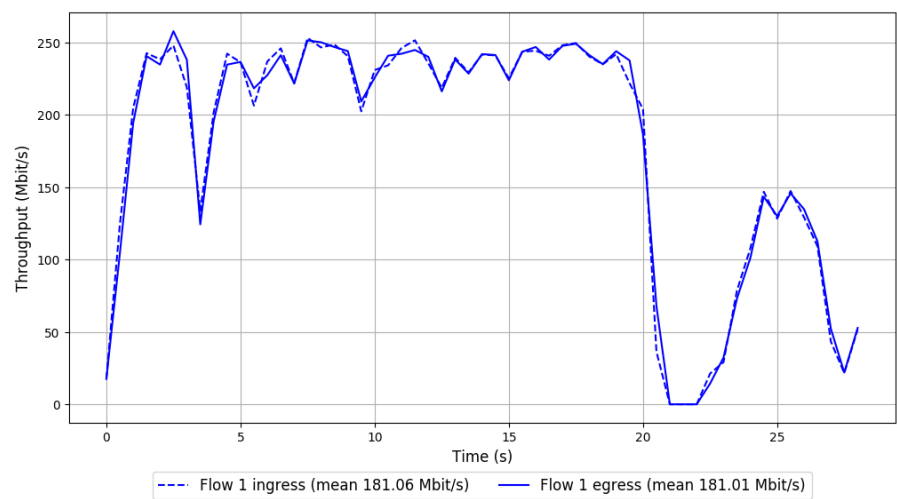
-- Flow 1:

Average throughput: 181.01 Mbit/s

95th percentile per-packet one-way delay: 64.446 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 22:40:11

End at: 2018-04-24 22:40:41

Below is generated by plot.py at 2018-04-25 00:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.22 Mbit/s

95th percentile per-packet one-way delay: 63.601 ms

Loss rate: 0.00%

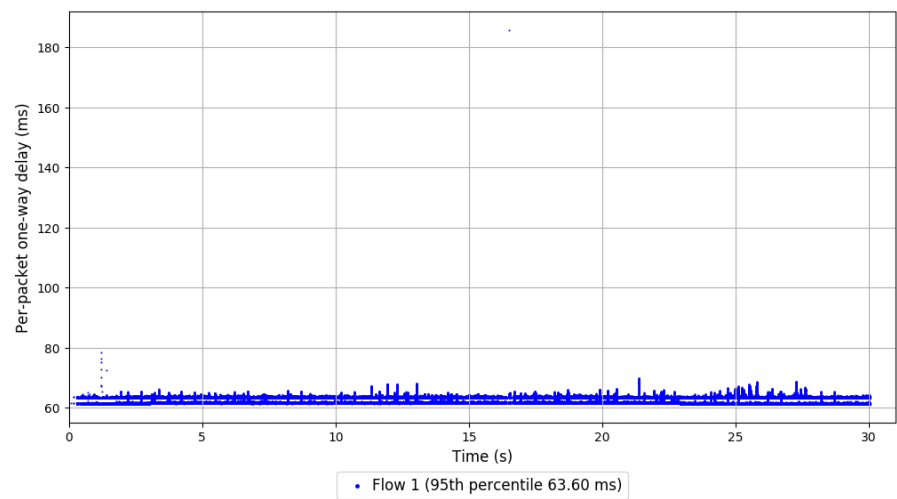
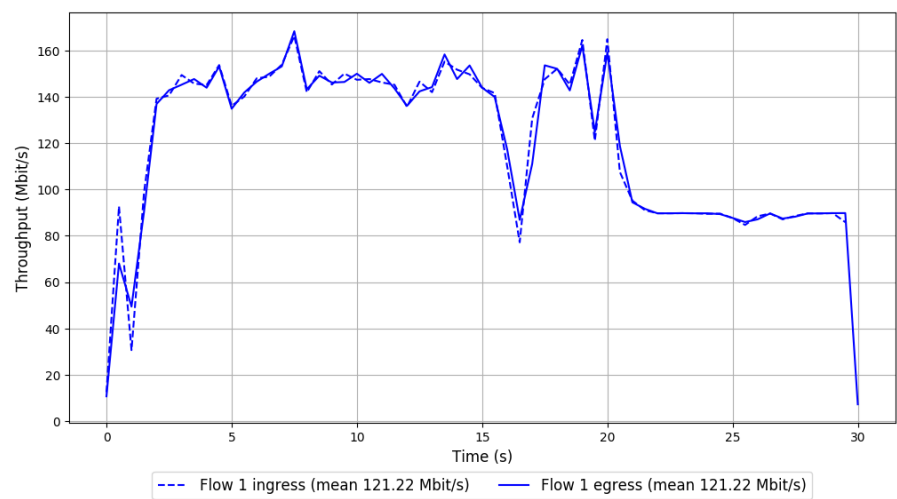
-- Flow 1:

Average throughput: 121.22 Mbit/s

95th percentile per-packet one-way delay: 63.601 ms

Loss rate: 0.00%

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

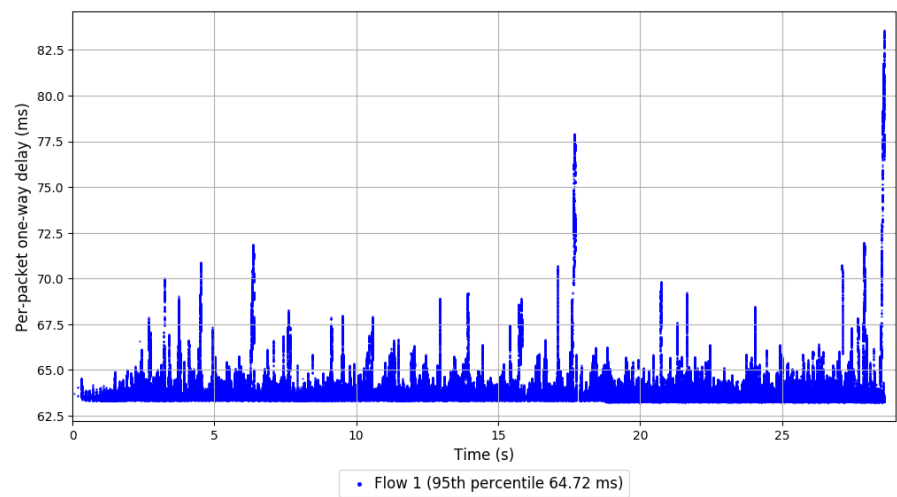
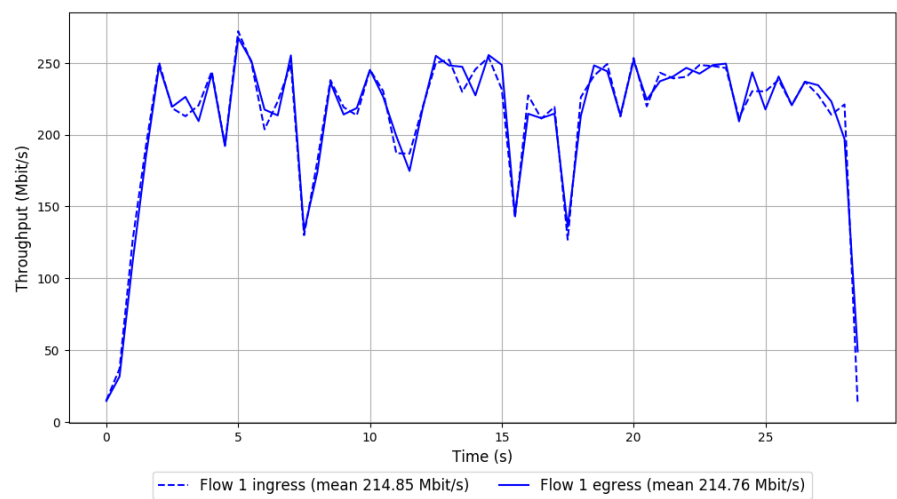


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 22:53:15
End at: 2018-04-24 22:53:45

# Below is generated by plot.py at 2018-04-25 00:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.76 Mbit/s
95th percentile per-packet one-way delay: 64.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.76 Mbit/s
95th percentile per-packet one-way delay: 64.715 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 21:07:16

End at: 2018-04-24 21:07:46

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.69 Mbit/s

95th percentile per-packet one-way delay: 66.647 ms

Loss rate: 0.00%

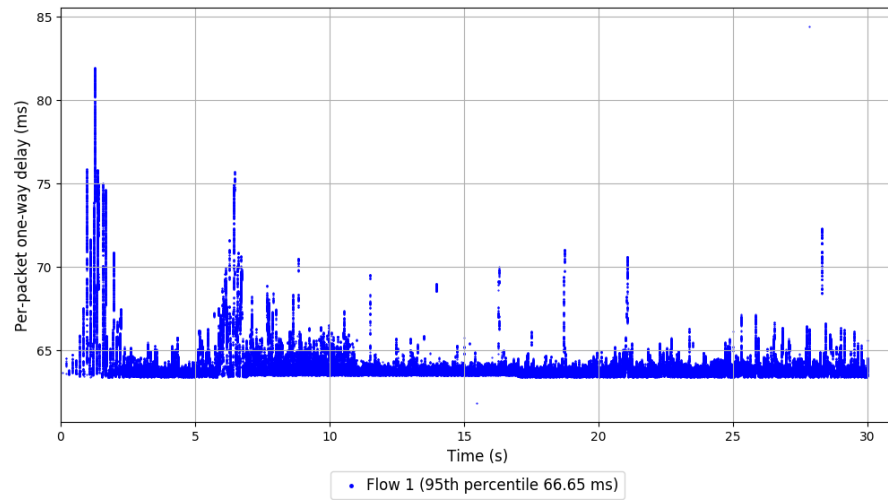
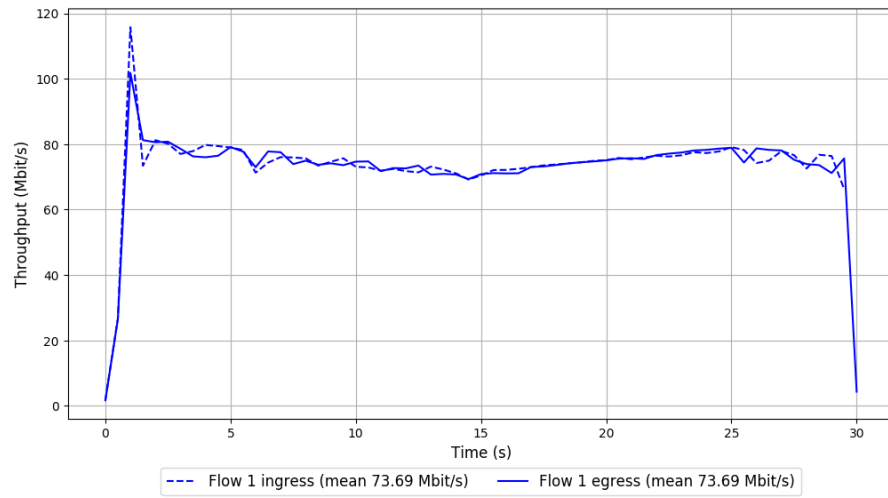
-- Flow 1:

Average throughput: 73.69 Mbit/s

95th percentile per-packet one-way delay: 66.647 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 21:20:18

End at: 2018-04-24 21:20:48

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.89 Mbit/s

95th percentile per-packet one-way delay: 76.744 ms

Loss rate: 0.00%

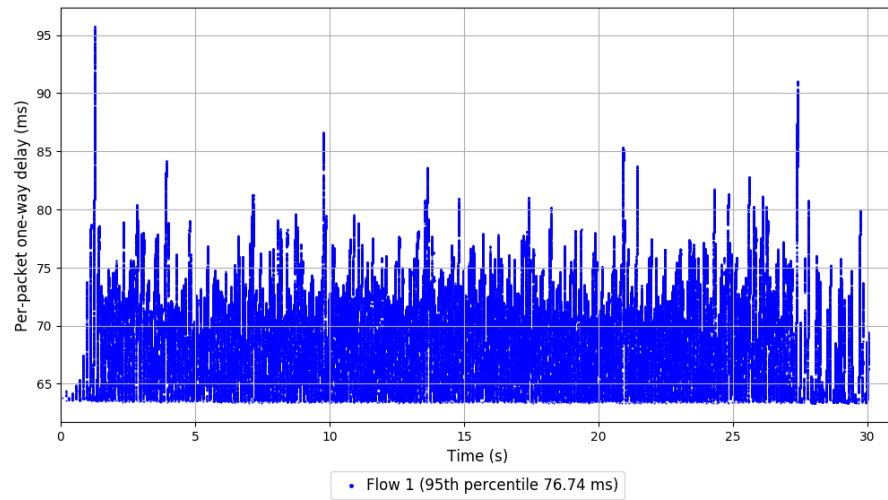
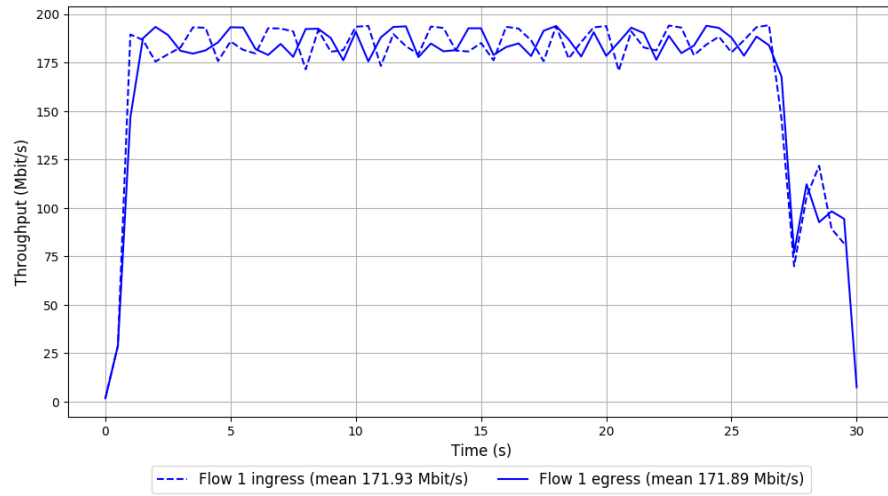
-- Flow 1:

Average throughput: 171.89 Mbit/s

95th percentile per-packet one-way delay: 76.744 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 21:33:13

End at: 2018-04-24 21:33:43

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.04 Mbit/s

95th percentile per-packet one-way delay: 66.352 ms

Loss rate: 0.00%

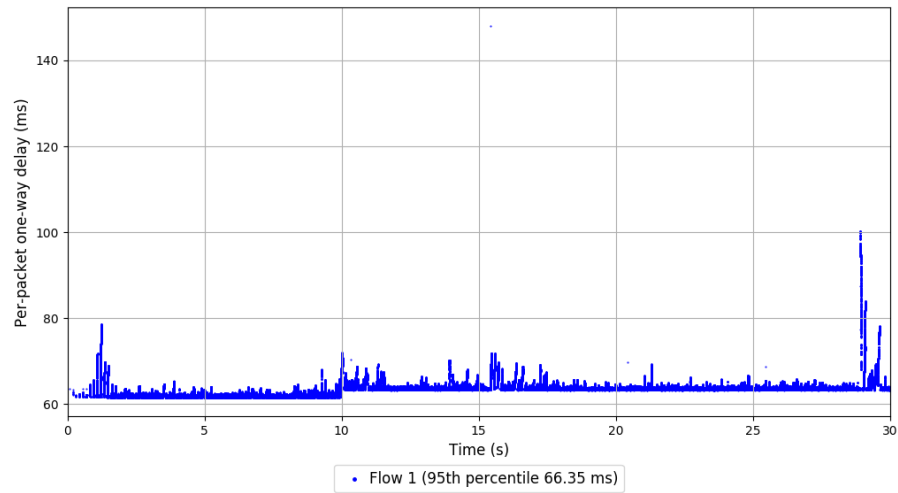
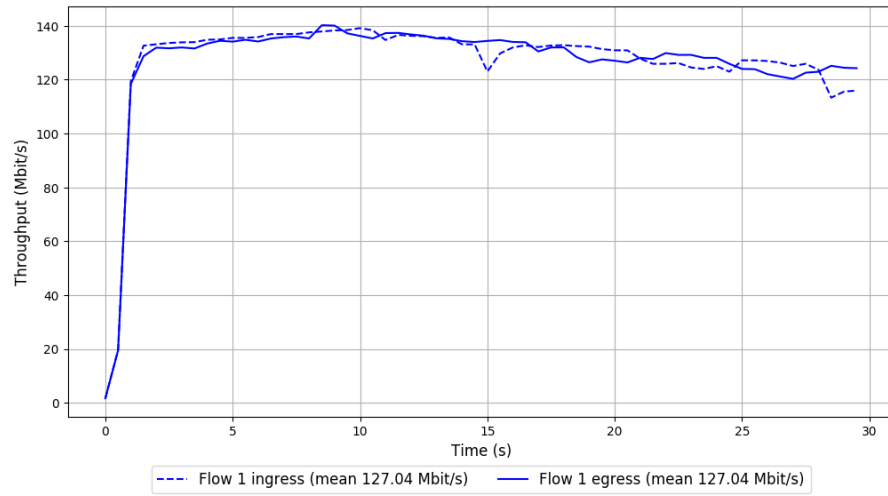
-- Flow 1:

Average throughput: 127.04 Mbit/s

95th percentile per-packet one-way delay: 66.352 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 21:46:25

End at: 2018-04-24 21:46:55

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 74.941 ms

Loss rate: 0.00%

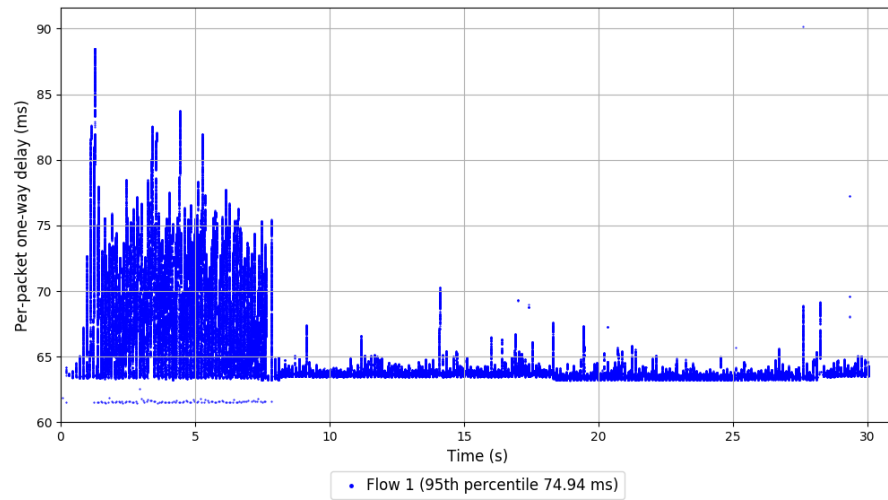
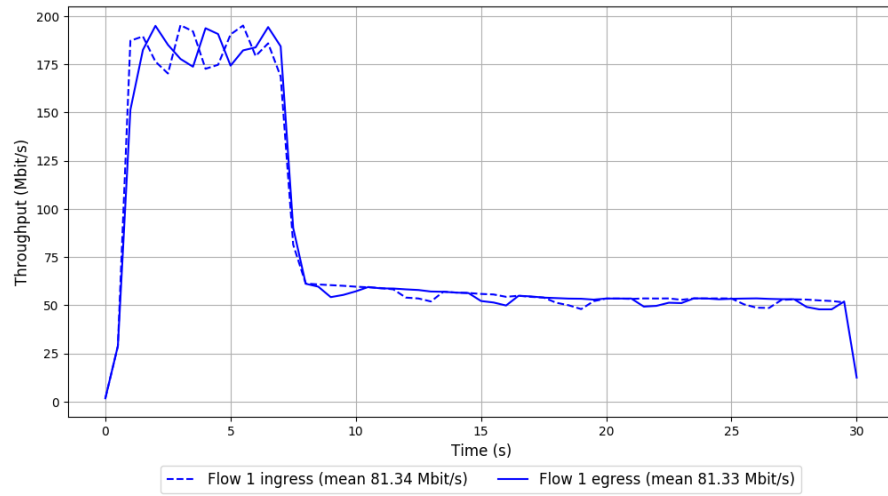
-- Flow 1:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 74.941 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 21:59:24

End at: 2018-04-24 21:59:54

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 65.527 ms

Loss rate: 0.00%

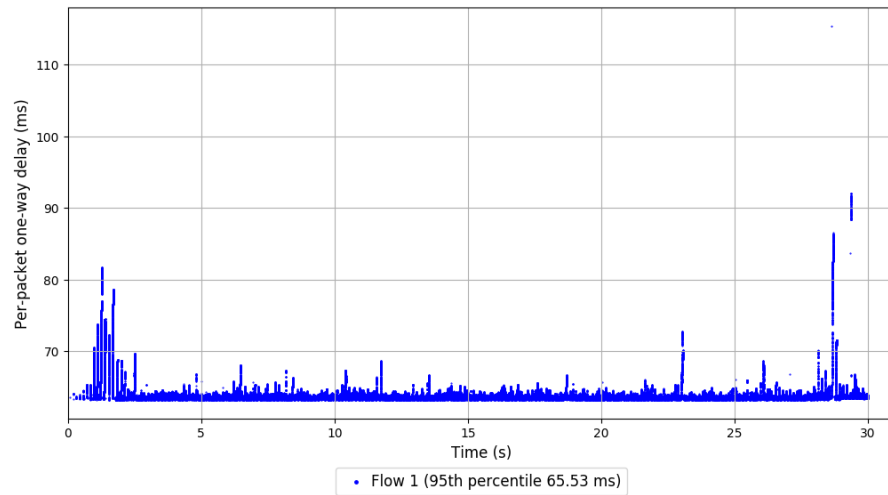
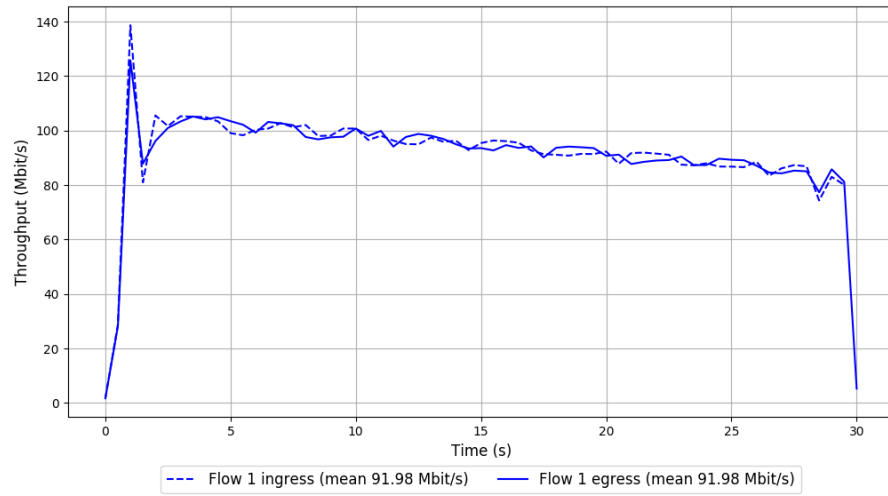
-- Flow 1:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 65.527 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 22:12:05

End at: 2018-04-24 22:12:35

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 65.312 ms

Loss rate: 0.00%

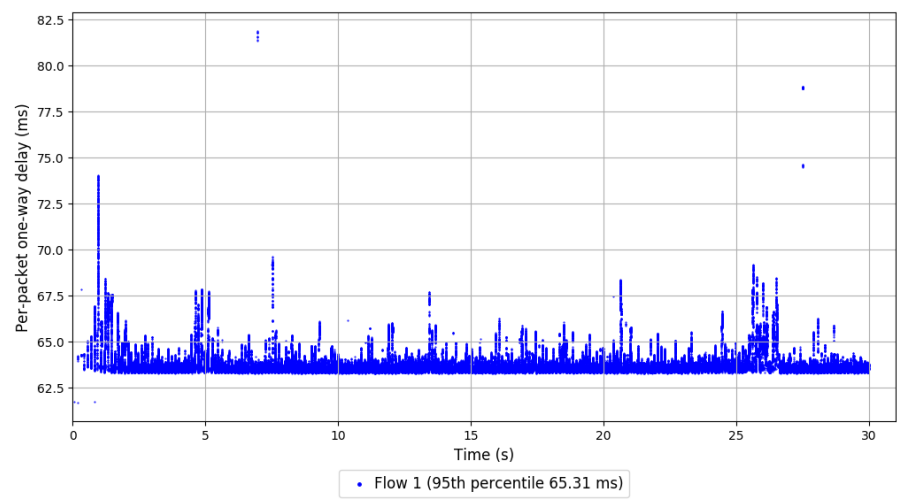
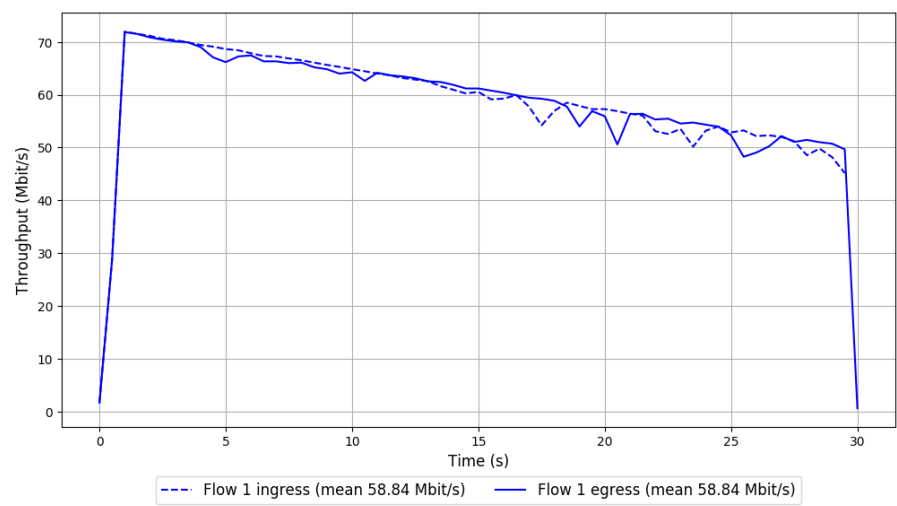
-- Flow 1:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 65.312 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 22:25:16

End at: 2018-04-24 22:25:46

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.59 Mbit/s

95th percentile per-packet one-way delay: 75.713 ms

Loss rate: 0.05%

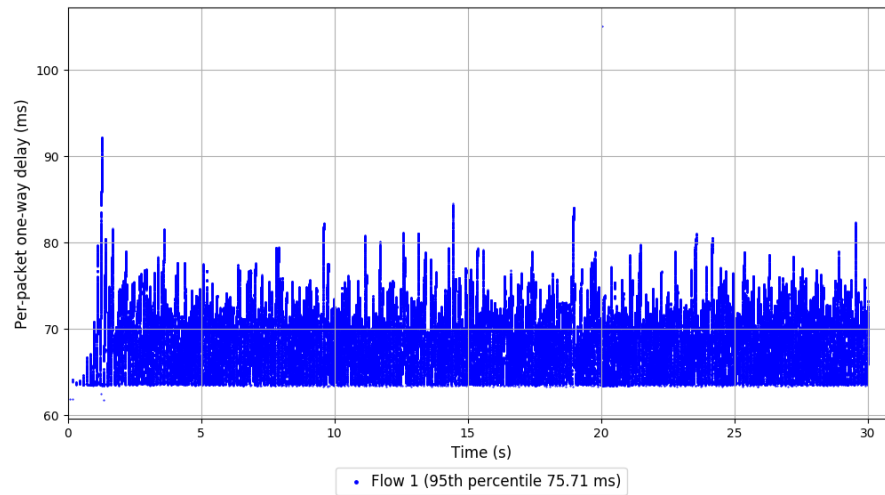
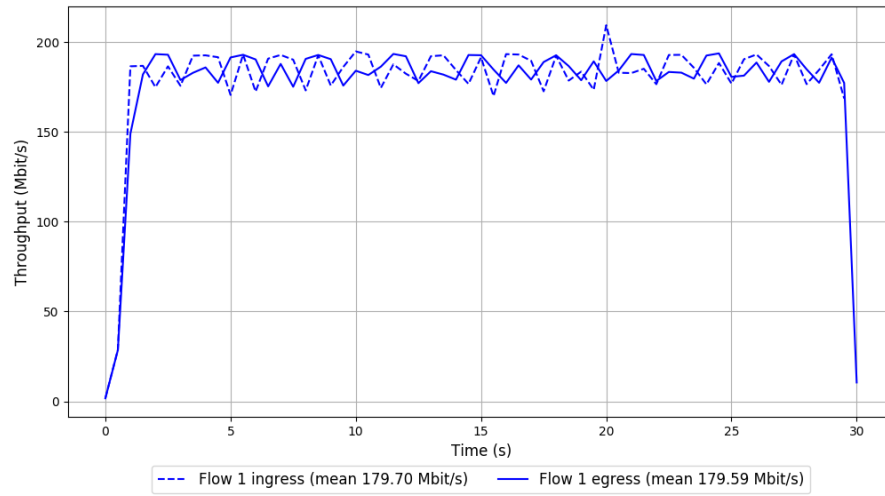
-- Flow 1:

Average throughput: 179.59 Mbit/s

95th percentile per-packet one-way delay: 75.713 ms

Loss rate: 0.05%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 22:38:21

End at: 2018-04-24 22:38:51

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 65.094 ms

Loss rate: 0.00%

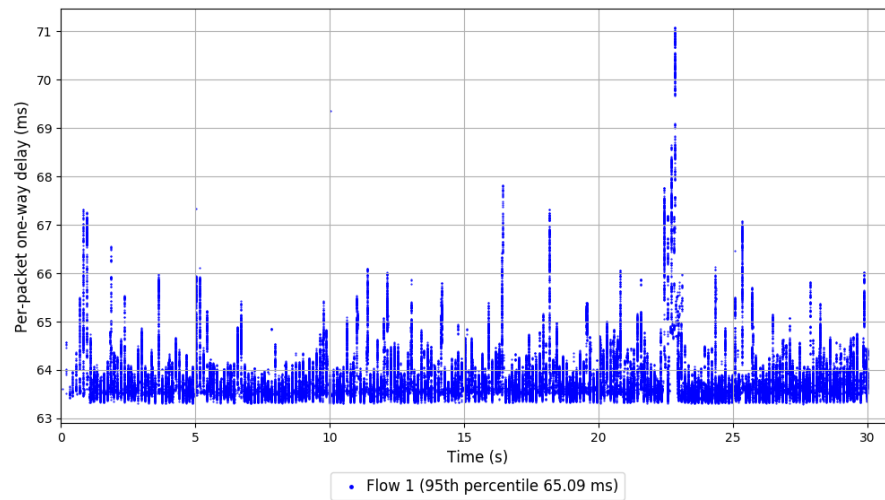
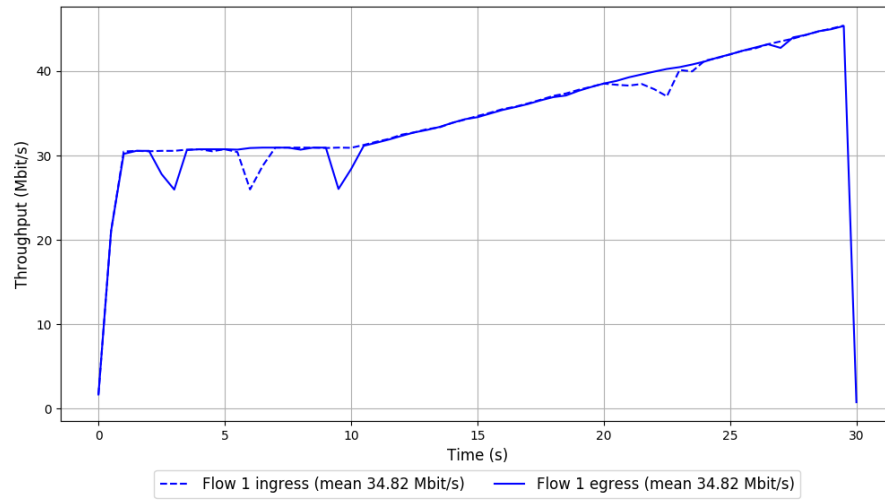
-- Flow 1:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 65.094 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 22:51:22

End at: 2018-04-24 22:51:52

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.54 Mbit/s

95th percentile per-packet one-way delay: 76.807 ms

Loss rate: 0.06%

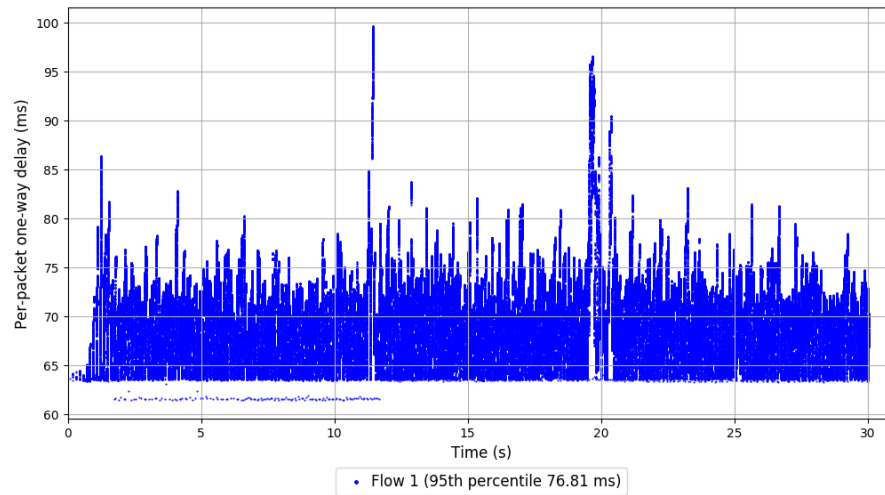
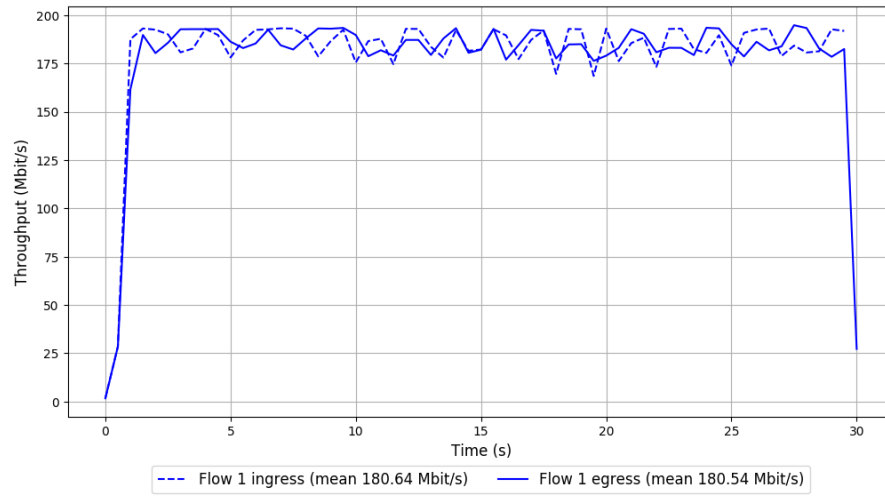
-- Flow 1:

Average throughput: 180.54 Mbit/s

95th percentile per-packet one-way delay: 76.807 ms

Loss rate: 0.06%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 23:04:40

End at: 2018-04-24 23:05:10

Below is generated by plot.py at 2018-04-25 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 65.309 ms

Loss rate: 0.00%

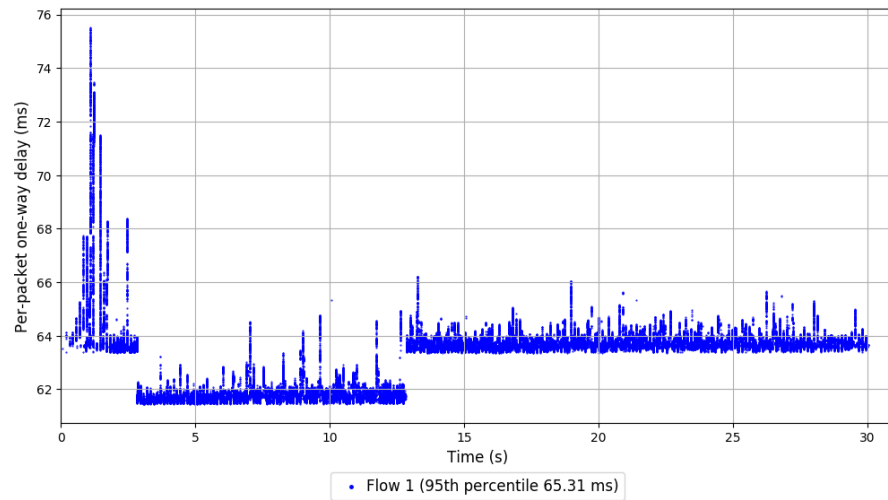
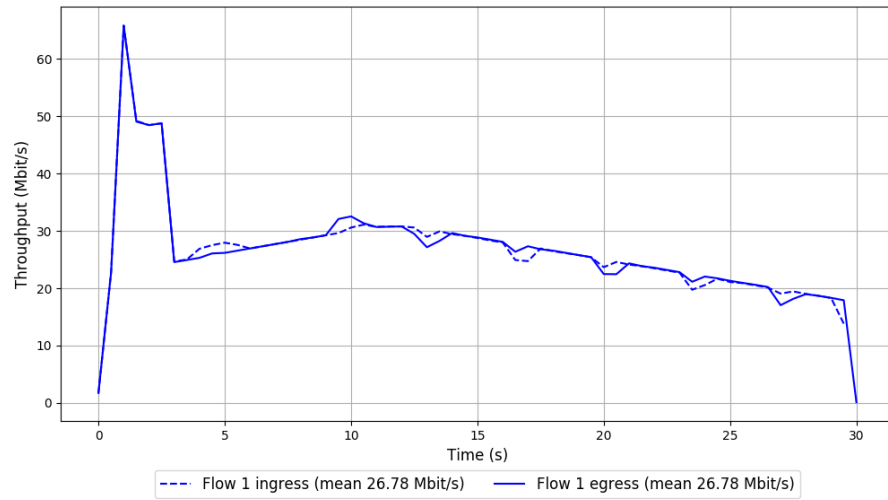
-- Flow 1:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 65.309 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-24 21:02:55

End at: 2018-04-24 21:03:25

Below is generated by plot.py at 2018-04-25 00:51:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.80 Mbit/s

95th percentile per-packet one-way delay: 116.338 ms

Loss rate: 0.03%

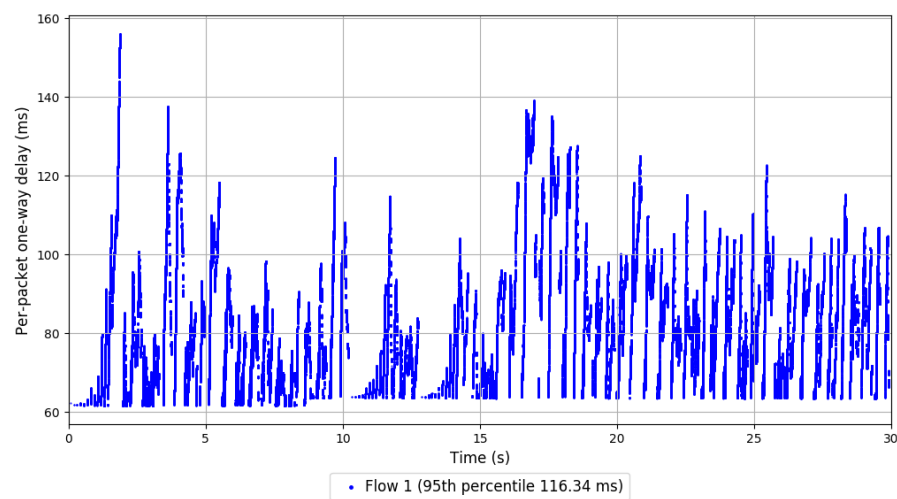
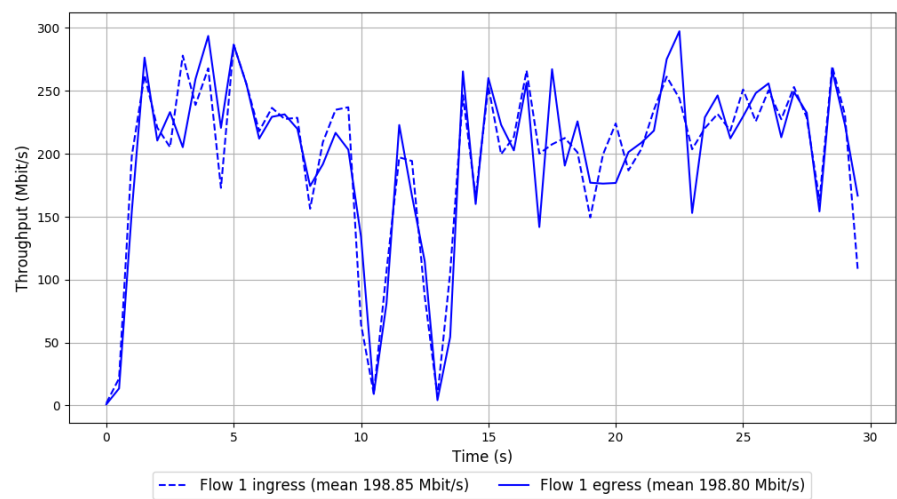
-- Flow 1:

Average throughput: 198.80 Mbit/s

95th percentile per-packet one-way delay: 116.338 ms

Loss rate: 0.03%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 21:15:56

End at: 2018-04-24 21:16:26

Below is generated by plot.py at 2018-04-25 00:51:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.49 Mbit/s

95th percentile per-packet one-way delay: 138.616 ms

Loss rate: 0.00%

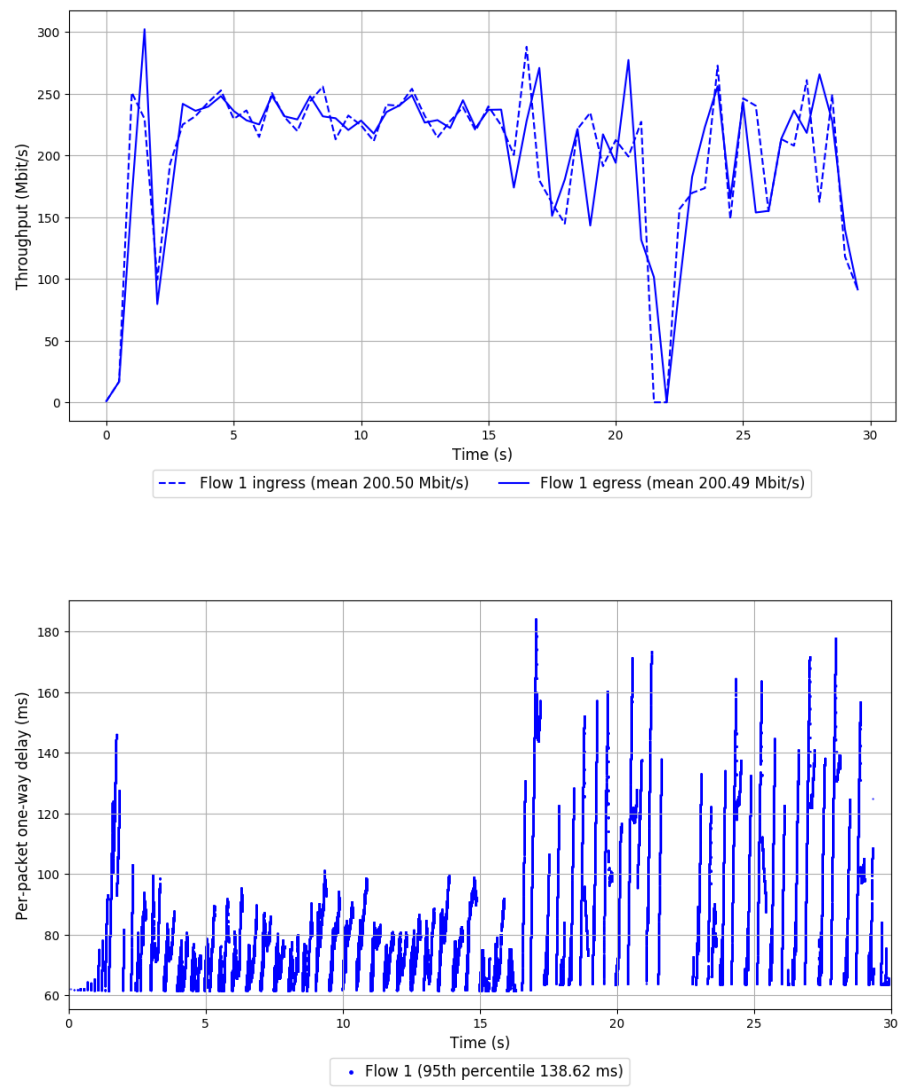
-- Flow 1:

Average throughput: 200.49 Mbit/s

95th percentile per-packet one-way delay: 138.616 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-24 21:28:53

End at: 2018-04-24 21:29:23

Below is generated by plot.py at 2018-04-25 00:51:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.06 Mbit/s

95th percentile per-packet one-way delay: 176.990 ms

Loss rate: 0.00%

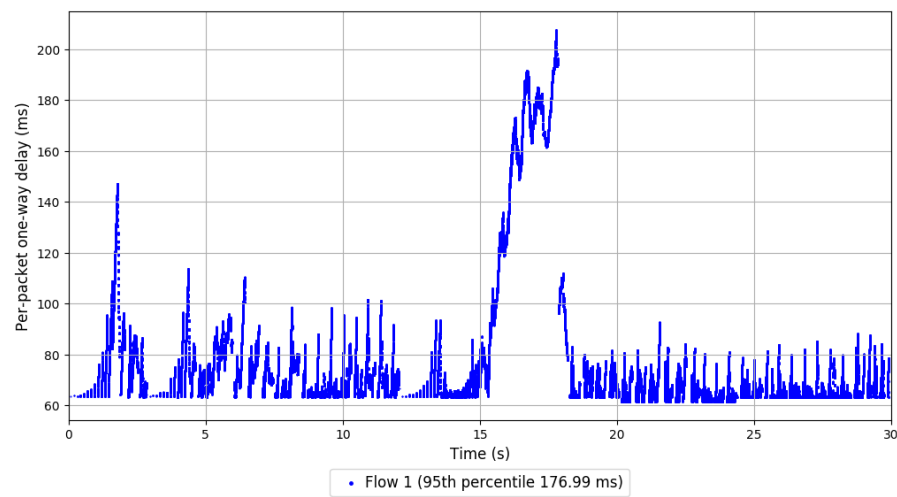
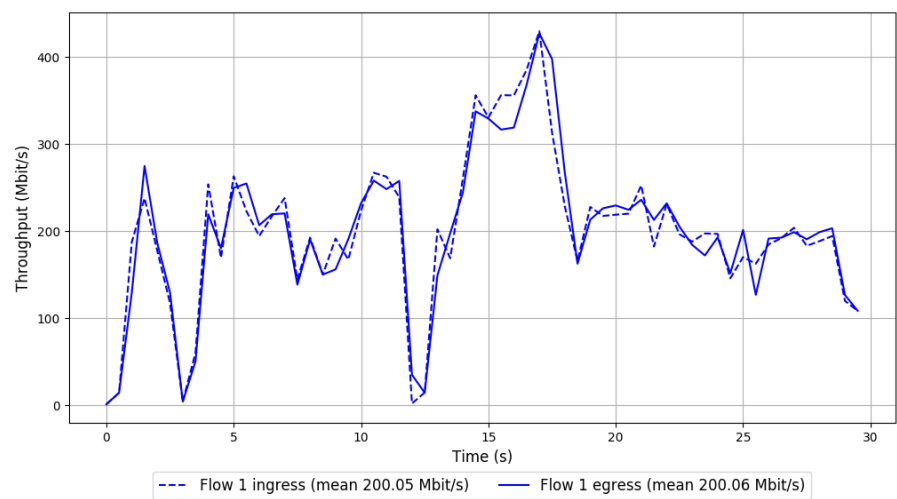
-- Flow 1:

Average throughput: 200.06 Mbit/s

95th percentile per-packet one-way delay: 176.990 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-24 21:42:06

End at: 2018-04-24 21:42:36

Below is generated by plot.py at 2018-04-25 00:51:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.67 Mbit/s

95th percentile per-packet one-way delay: 175.336 ms

Loss rate: 0.06%

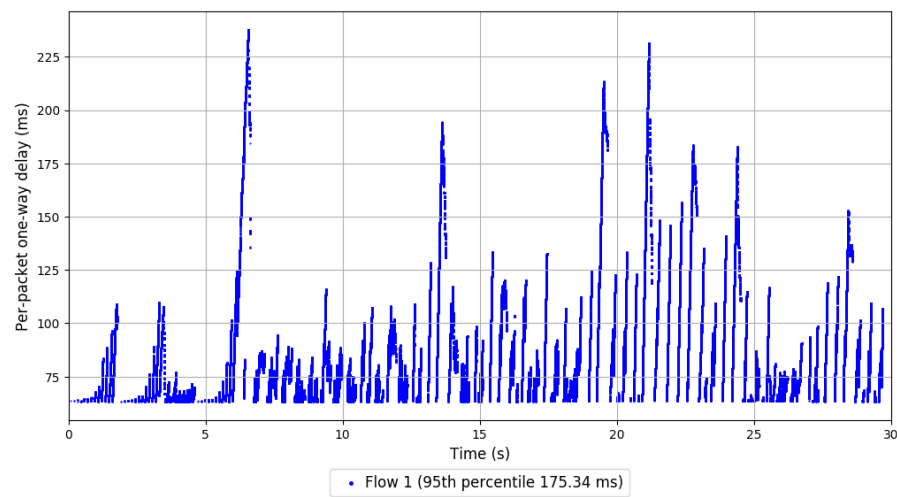
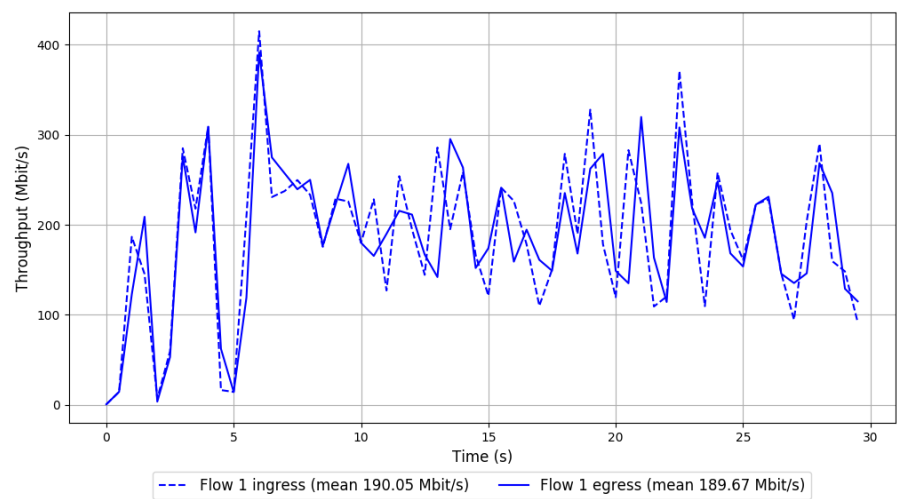
-- Flow 1:

Average throughput: 189.67 Mbit/s

95th percentile per-packet one-way delay: 175.336 ms

Loss rate: 0.06%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-24 21:55:02

End at: 2018-04-24 21:55:32

Below is generated by plot.py at 2018-04-25 00:51:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.61 Mbit/s

95th percentile per-packet one-way delay: 206.969 ms

Loss rate: 0.53%

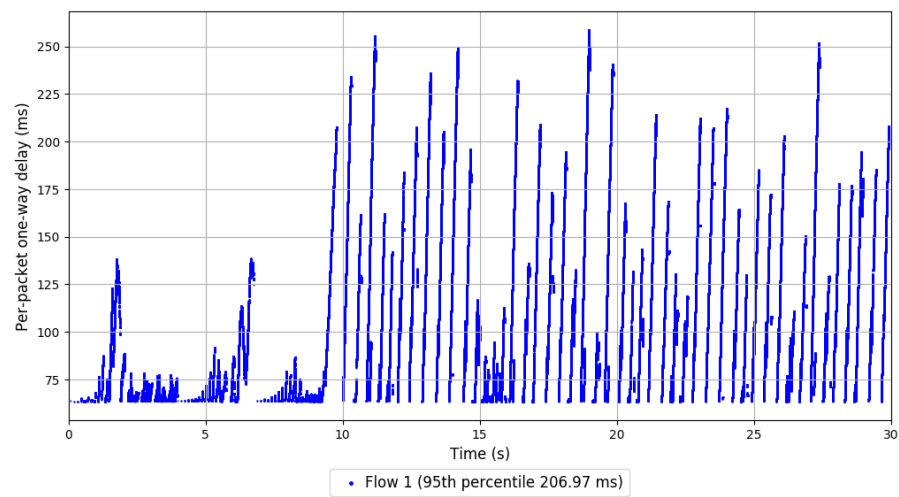
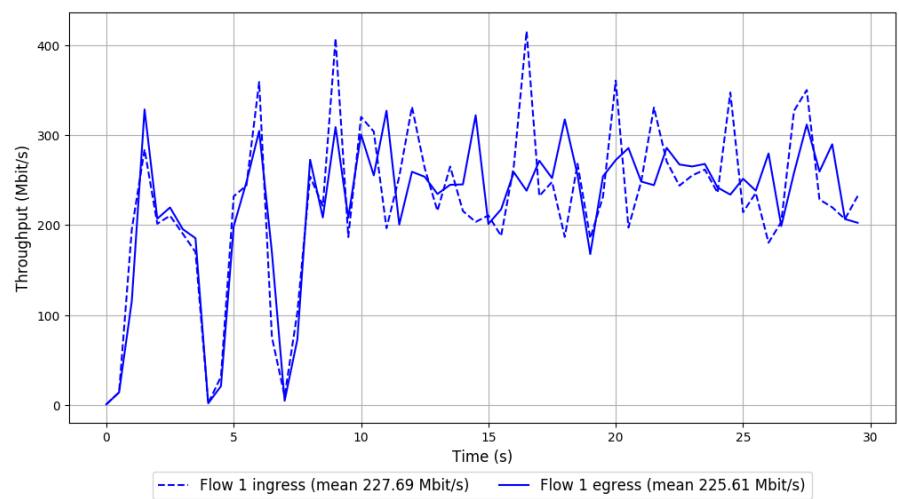
-- Flow 1:

Average throughput: 225.61 Mbit/s

95th percentile per-packet one-way delay: 206.969 ms

Loss rate: 0.53%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 22:07:44

End at: 2018-04-24 22:08:14

Below is generated by plot.py at 2018-04-25 00:53:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.16 Mbit/s

95th percentile per-packet one-way delay: 191.563 ms

Loss rate: 0.45%

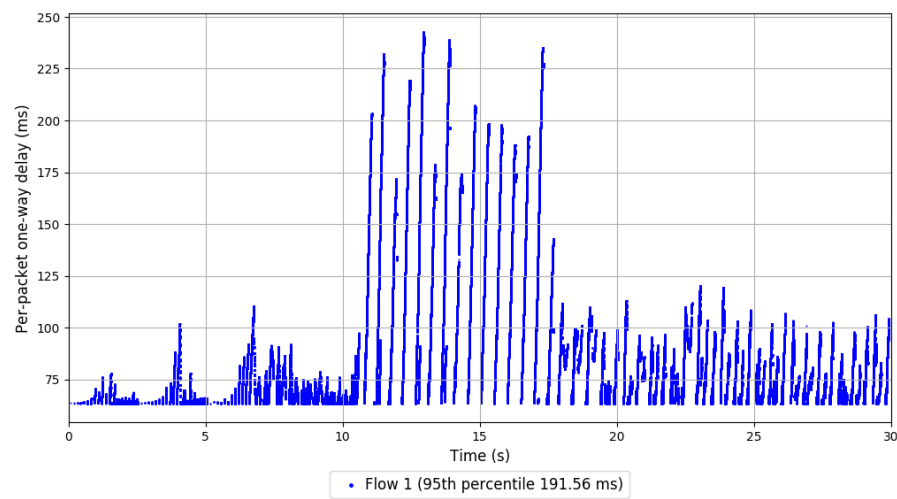
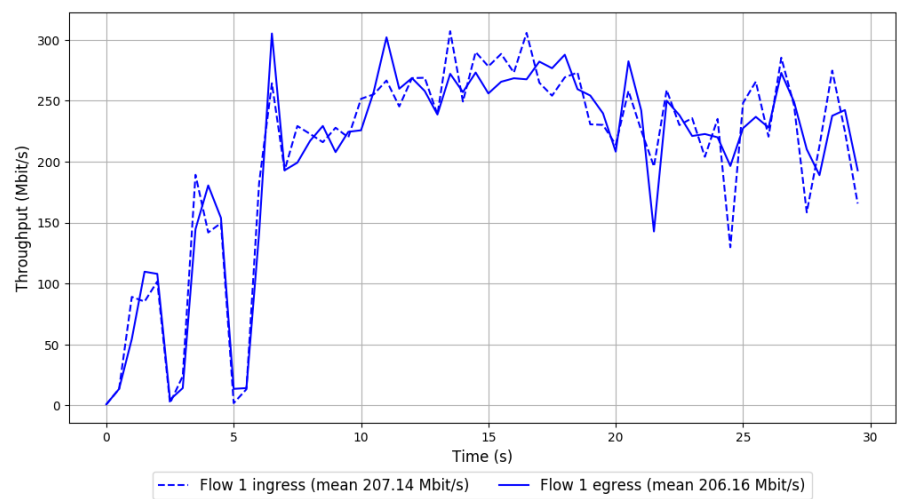
-- Flow 1:

Average throughput: 206.16 Mbit/s

95th percentile per-packet one-way delay: 191.563 ms

Loss rate: 0.45%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 22:20:55

End at: 2018-04-24 22:21:25

Below is generated by plot.py at 2018-04-25 00:53:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.10 Mbit/s

95th percentile per-packet one-way delay: 123.305 ms

Loss rate: 0.01%

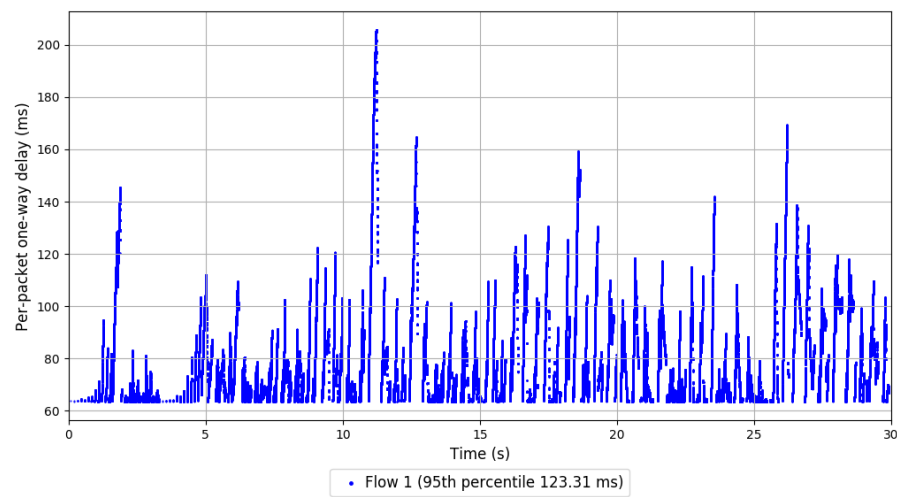
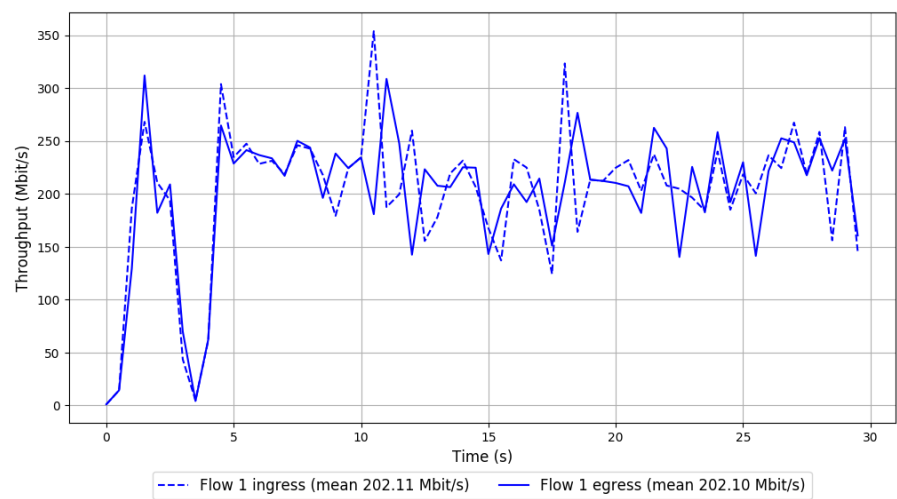
-- Flow 1:

Average throughput: 202.10 Mbit/s

95th percentile per-packet one-way delay: 123.305 ms

Loss rate: 0.01%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 22:34:00

End at: 2018-04-24 22:34:30

Below is generated by plot.py at 2018-04-25 00:54:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.89 Mbit/s

95th percentile per-packet one-way delay: 106.096 ms

Loss rate: 0.03%

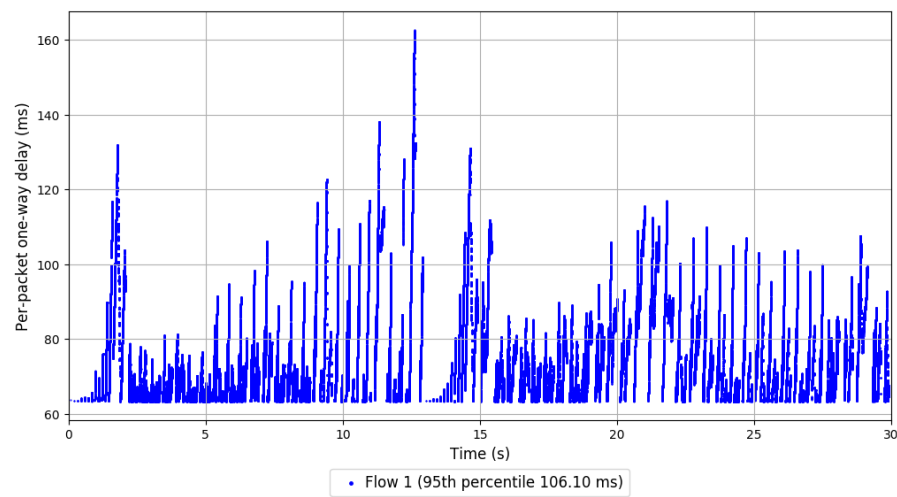
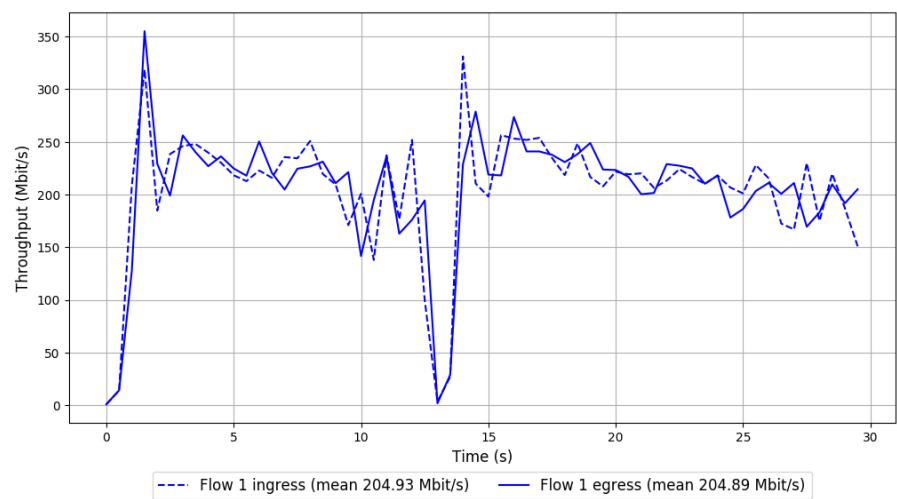
-- Flow 1:

Average throughput: 204.89 Mbit/s

95th percentile per-packet one-way delay: 106.096 ms

Loss rate: 0.03%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 22:47:02

End at: 2018-04-24 22:47:32

Below is generated by plot.py at 2018-04-25 00:54:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.81 Mbit/s

95th percentile per-packet one-way delay: 91.397 ms

Loss rate: 0.12%

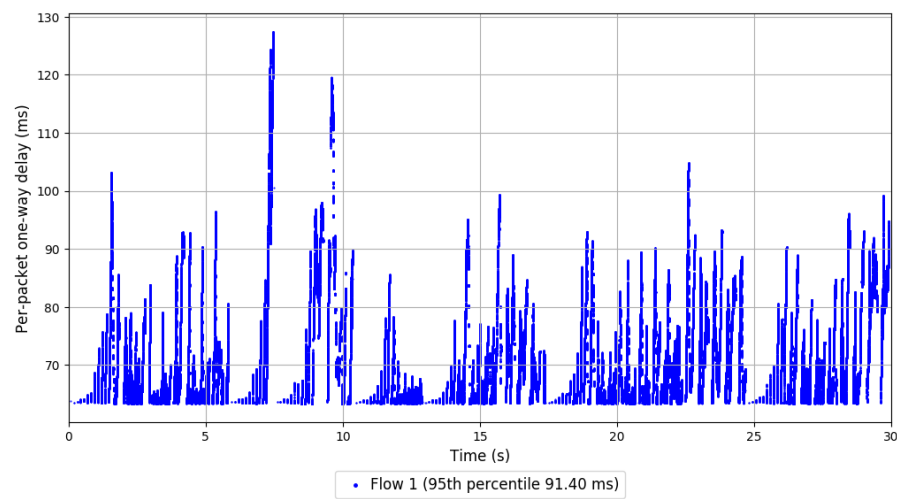
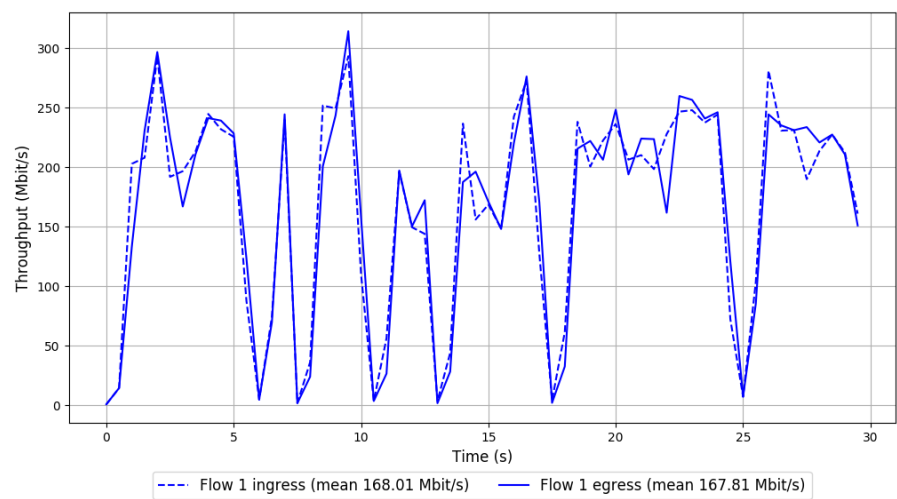
-- Flow 1:

Average throughput: 167.81 Mbit/s

95th percentile per-packet one-way delay: 91.397 ms

Loss rate: 0.12%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 23:00:18

End at: 2018-04-24 23:00:48

Below is generated by plot.py at 2018-04-25 00:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.15 Mbit/s

95th percentile per-packet one-way delay: 216.912 ms

Loss rate: 0.19%

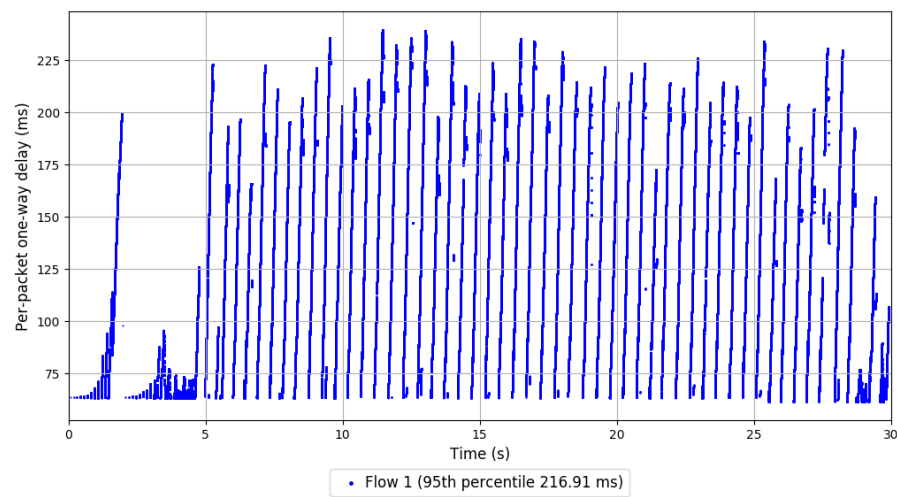
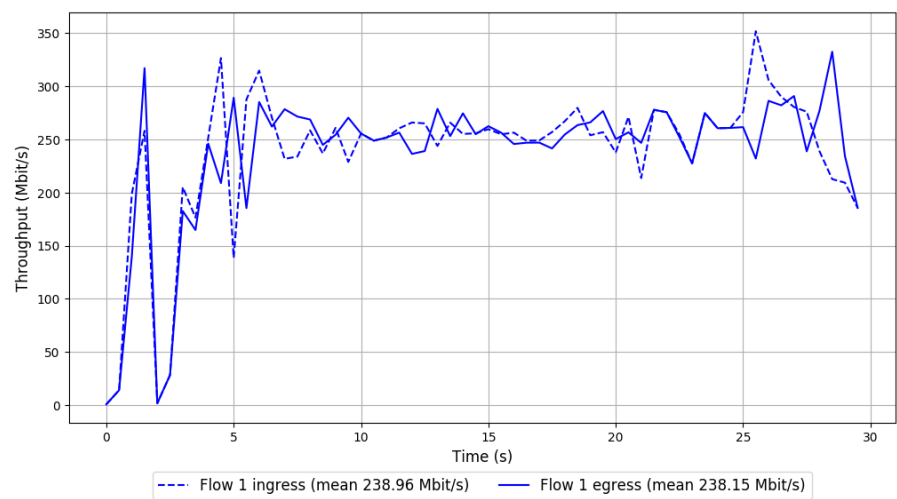
-- Flow 1:

Average throughput: 238.15 Mbit/s

95th percentile per-packet one-way delay: 216.912 ms

Loss rate: 0.19%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 20:59:15

End at: 2018-04-24 20:59:45

Below is generated by plot.py at 2018-04-25 00:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.99 Mbit/s

95th percentile per-packet one-way delay: 62.075 ms

Loss rate: 0.00%

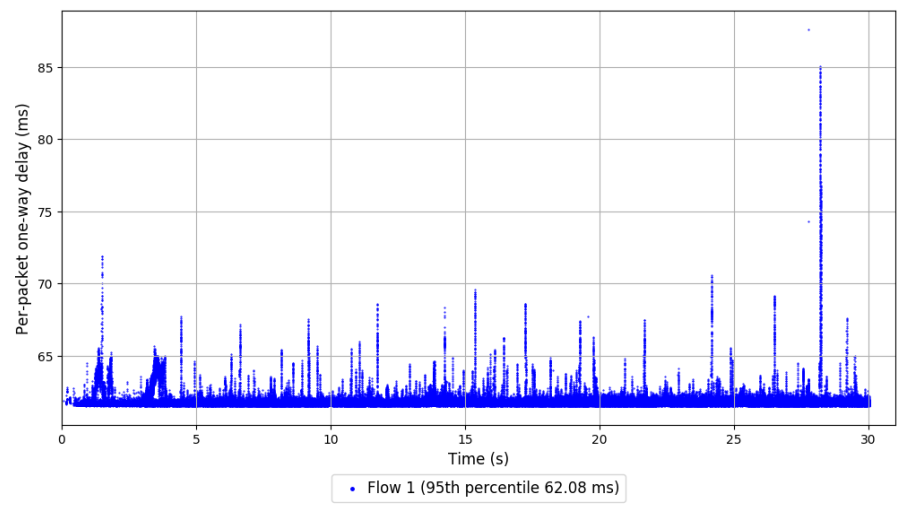
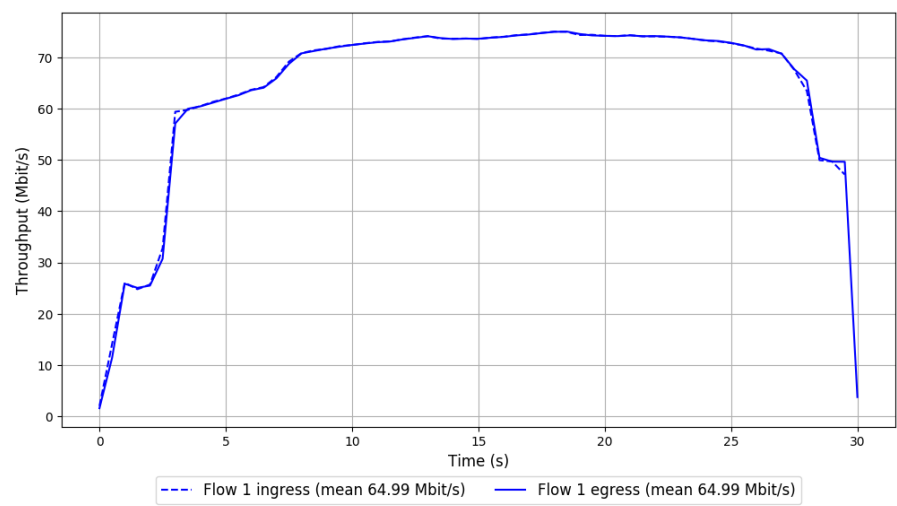
-- Flow 1:

Average throughput: 64.99 Mbit/s

95th percentile per-packet one-way delay: 62.075 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 21:12:07

End at: 2018-04-24 21:12:37

Below is generated by plot.py at 2018-04-25 00:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.16 Mbit/s

95th percentile per-packet one-way delay: 69.717 ms

Loss rate: 0.00%

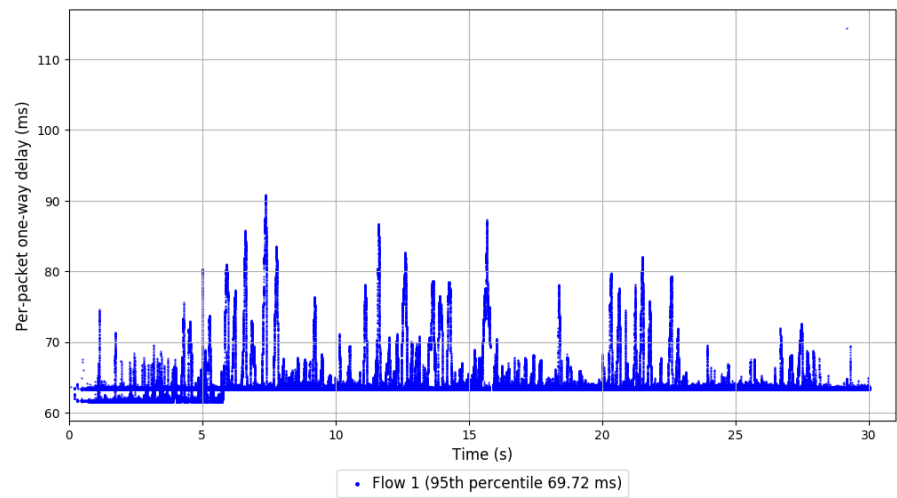
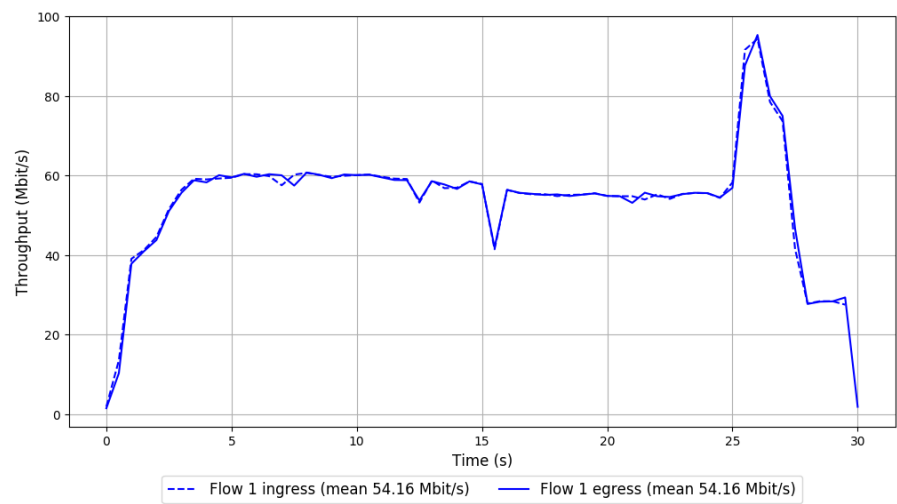
-- Flow 1:

Average throughput: 54.16 Mbit/s

95th percentile per-packet one-way delay: 69.717 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 21:25:06

End at: 2018-04-24 21:25:36

Below is generated by plot.py at 2018-04-25 00:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 63.564 ms

Loss rate: 0.00%

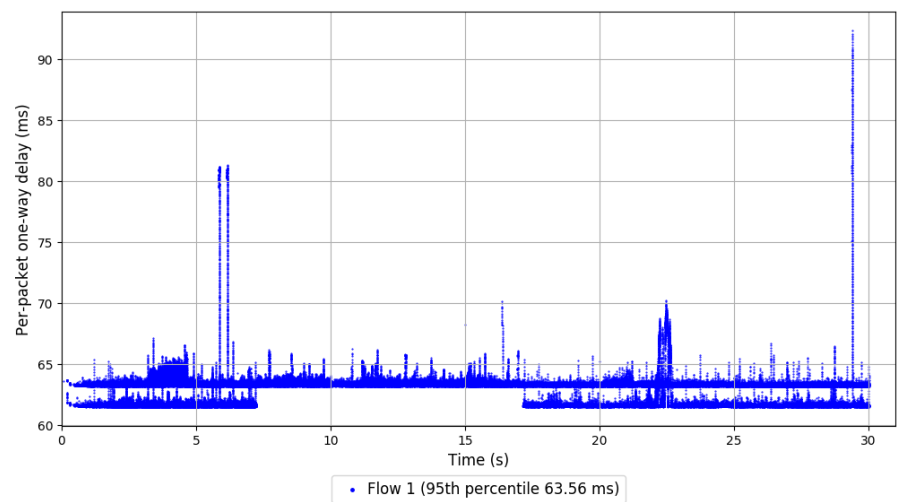
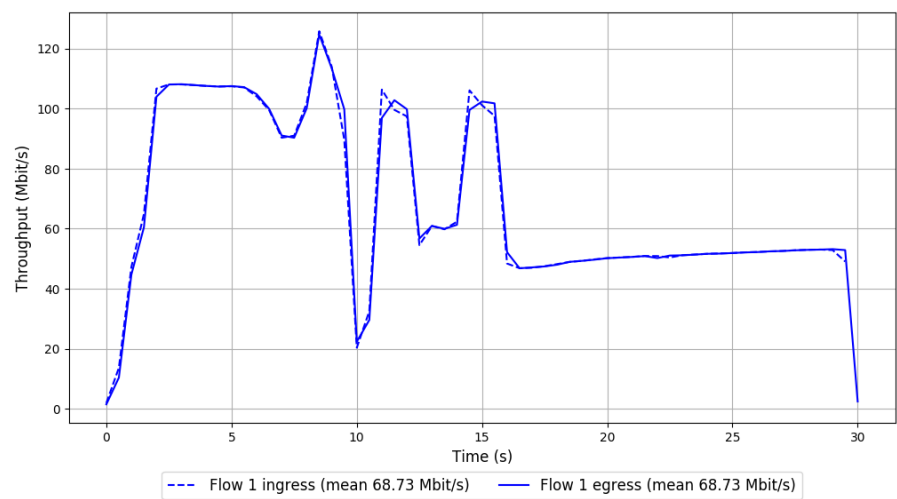
-- Flow 1:

Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 63.564 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 21:38:17

End at: 2018-04-24 21:38:47

Below is generated by plot.py at 2018-04-25 00:55:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.72 Mbit/s

95th percentile per-packet one-way delay: 63.715 ms

Loss rate: 0.00%

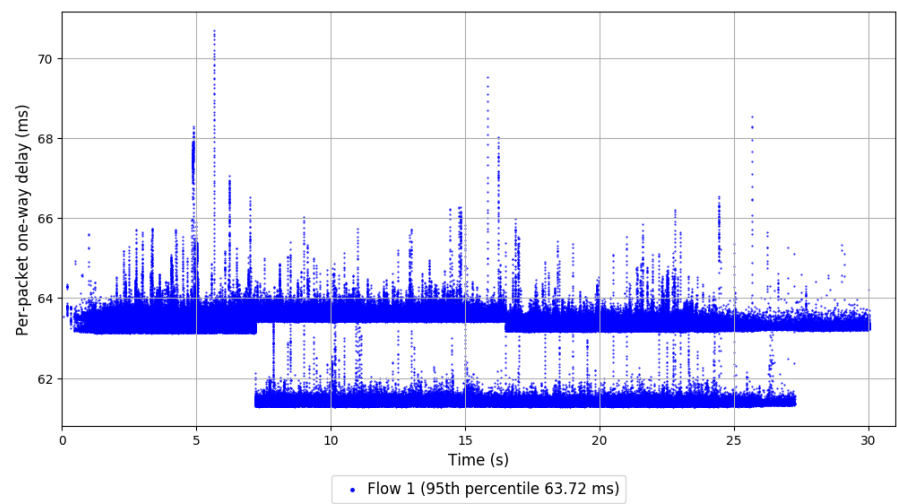
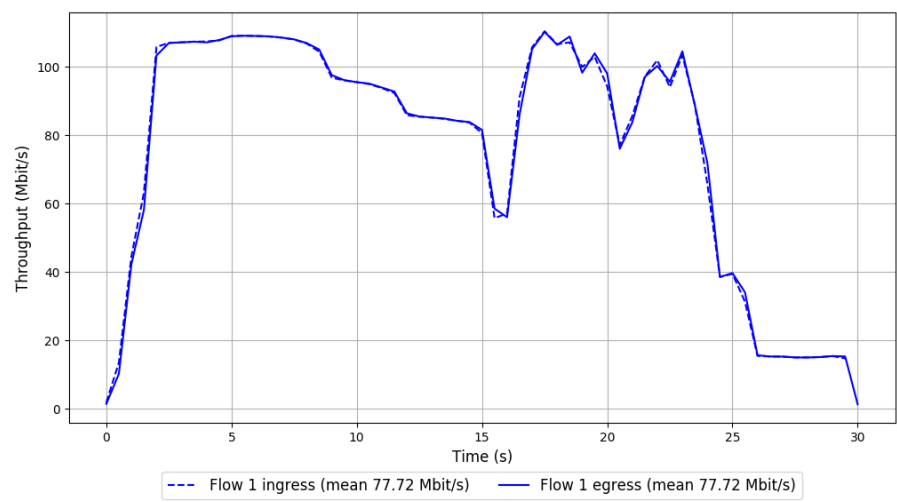
-- Flow 1:

Average throughput: 77.72 Mbit/s

95th percentile per-packet one-way delay: 63.715 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-24 21:51:15

End at: 2018-04-24 21:51:45

Below is generated by plot.py at 2018-04-25 00:56:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 63.488 ms

Loss rate: 0.00%

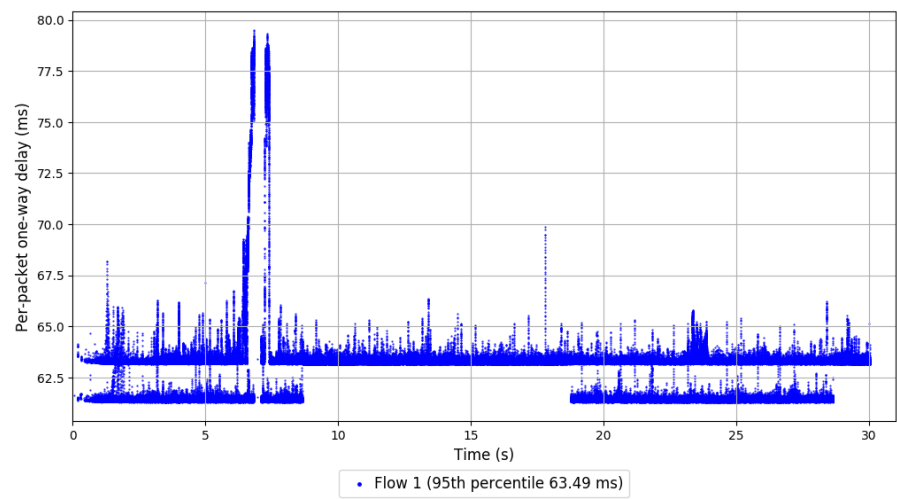
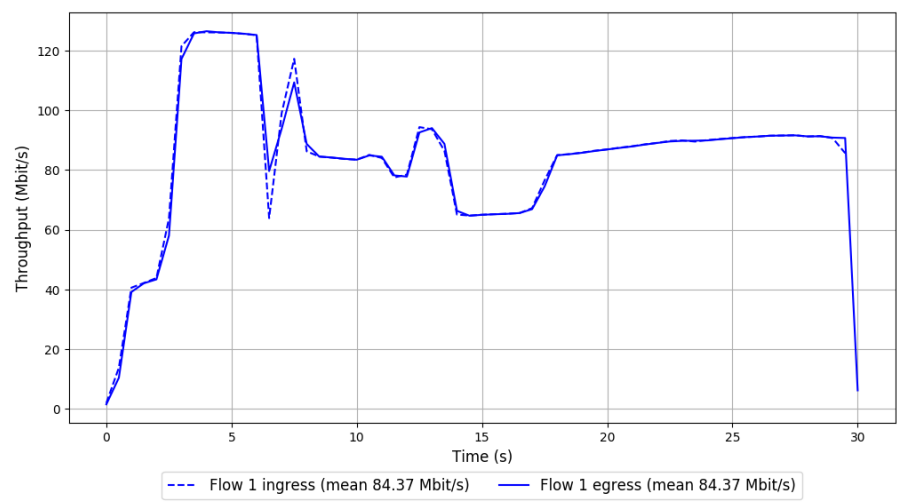
-- Flow 1:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 63.488 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-24 22:03:58

End at: 2018-04-24 22:04:28

Below is generated by plot.py at 2018-04-25 00:56:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.73 Mbit/s

95th percentile per-packet one-way delay: 63.545 ms

Loss rate: 0.00%

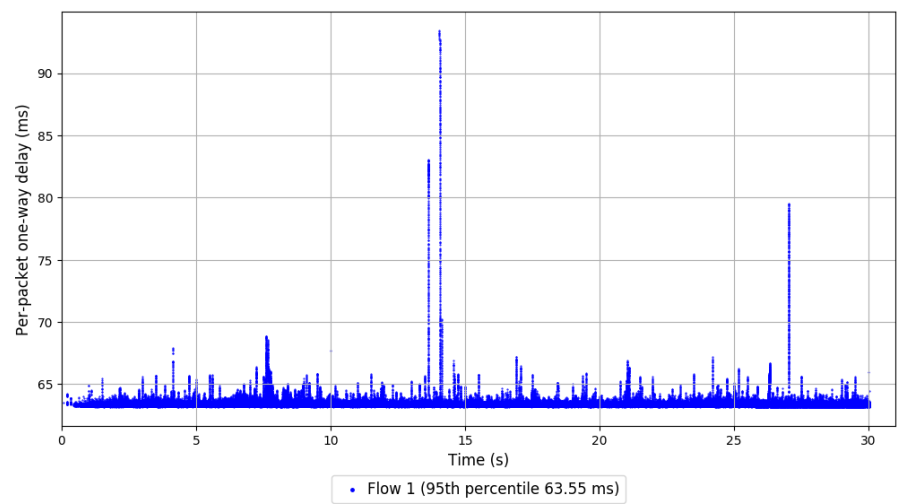
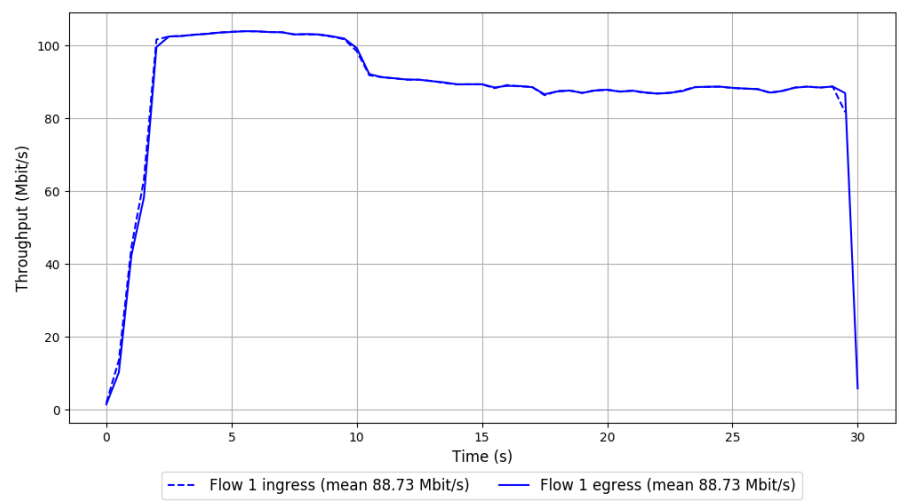
-- Flow 1:

Average throughput: 88.73 Mbit/s

95th percentile per-packet one-way delay: 63.545 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 22:17:01

End at: 2018-04-24 22:17:32

Below is generated by plot.py at 2018-04-25 00:56:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 63.532 ms

Loss rate: 0.00%

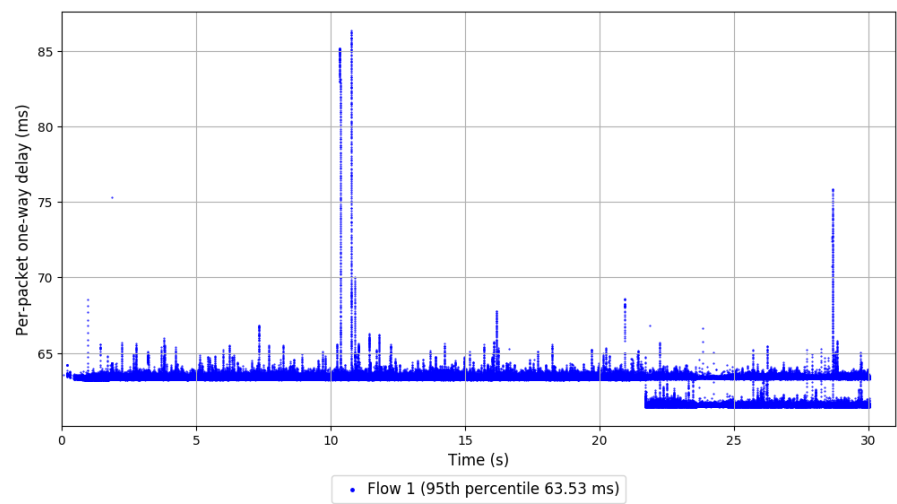
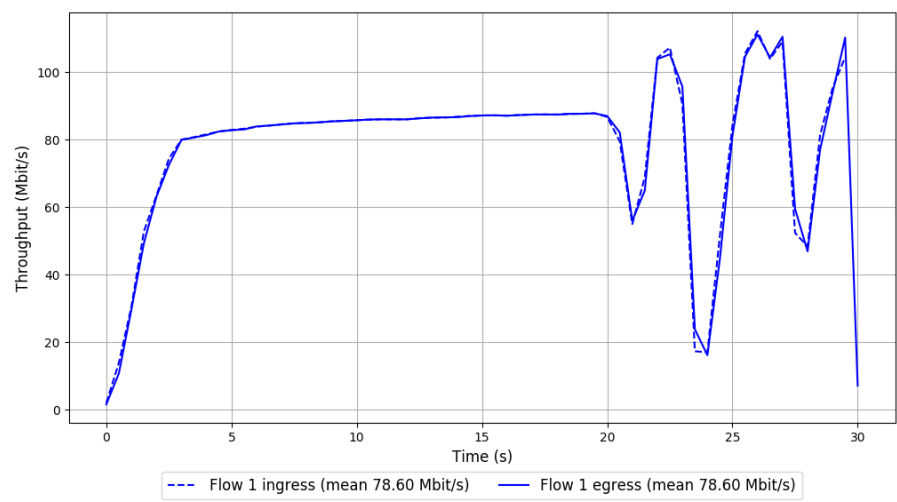
-- Flow 1:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 63.532 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 22:30:15

End at: 2018-04-24 22:30:45

Below is generated by plot.py at 2018-04-25 00:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.38 Mbit/s

95th percentile per-packet one-way delay: 63.591 ms

Loss rate: 0.00%

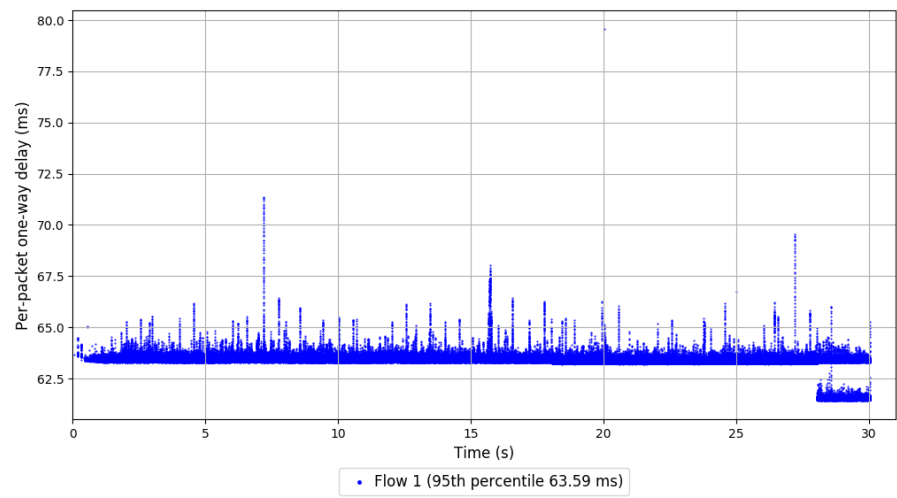
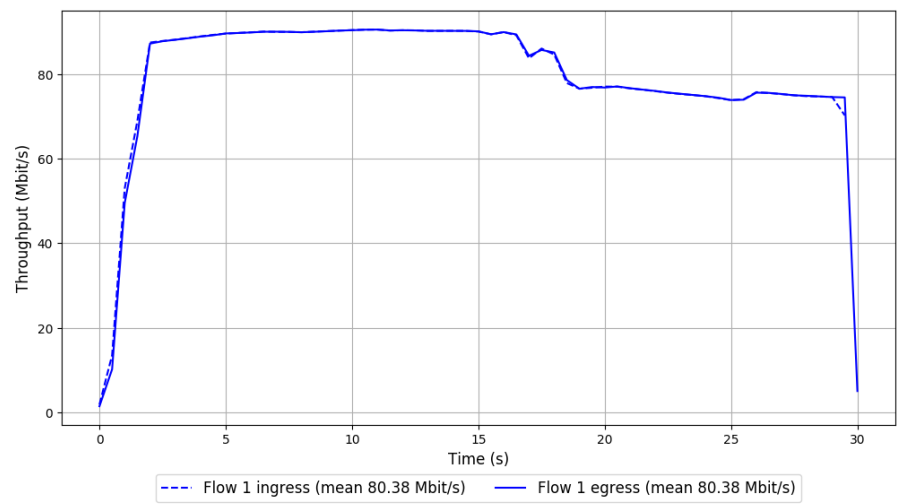
-- Flow 1:

Average throughput: 80.38 Mbit/s

95th percentile per-packet one-way delay: 63.591 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 22:43:13

End at: 2018-04-24 22:43:43

Below is generated by plot.py at 2018-04-25 00:57:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 63.538 ms

Loss rate: 0.00%

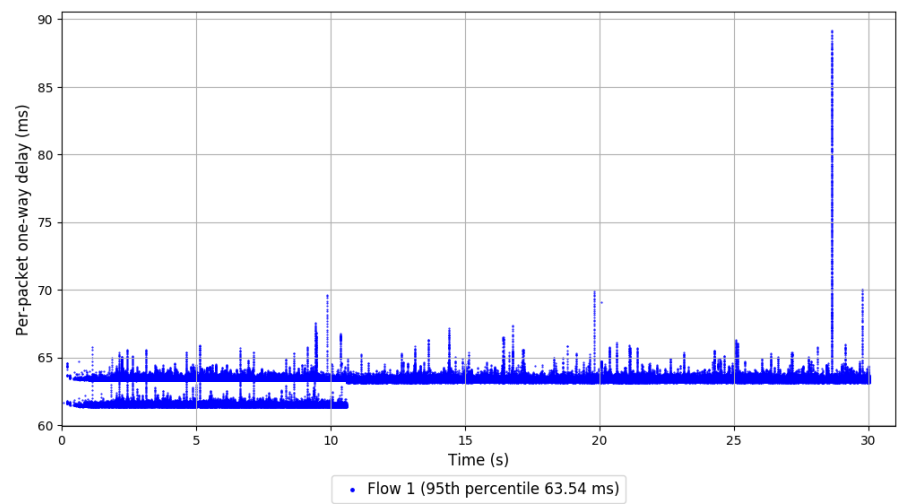
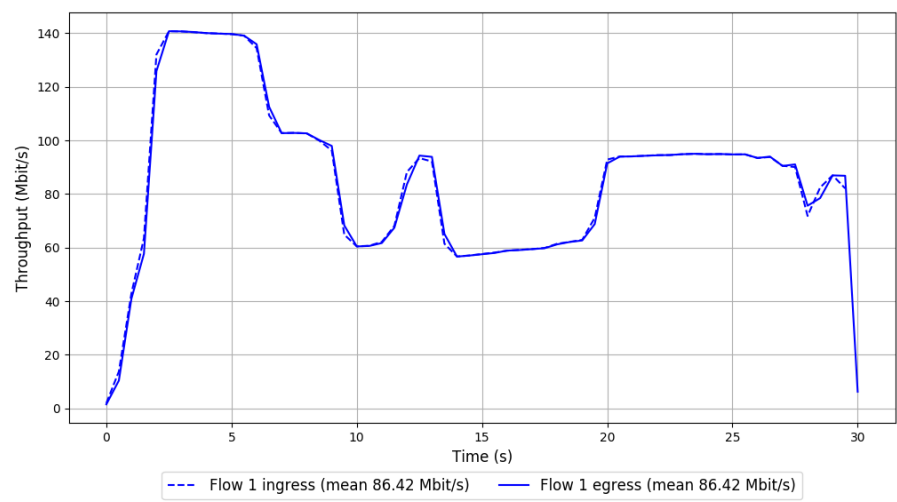
-- Flow 1:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 63.538 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 22:56:25

End at: 2018-04-24 22:56:55

Below is generated by plot.py at 2018-04-25 00:57:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 63.579 ms

Loss rate: 0.00%

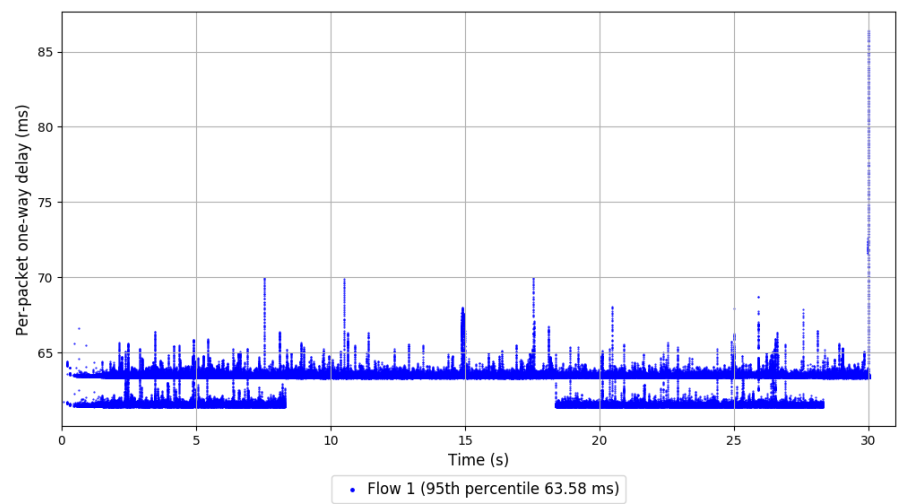
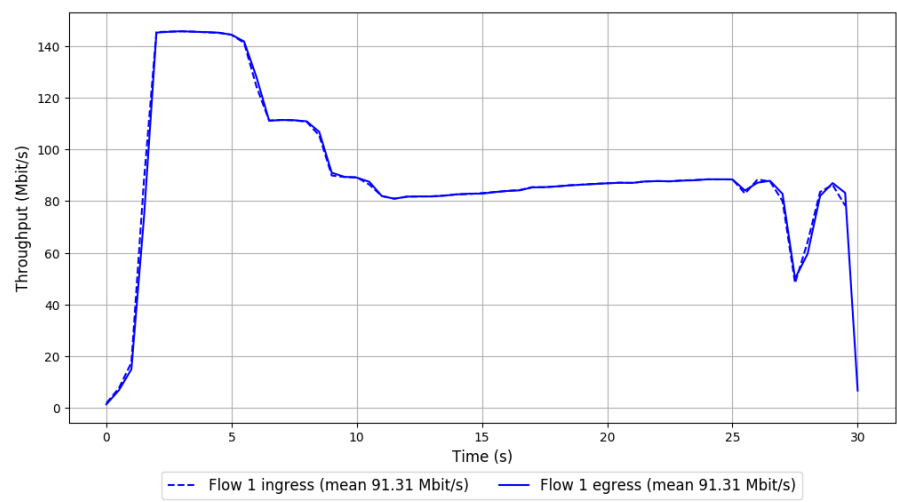
-- Flow 1:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 63.579 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

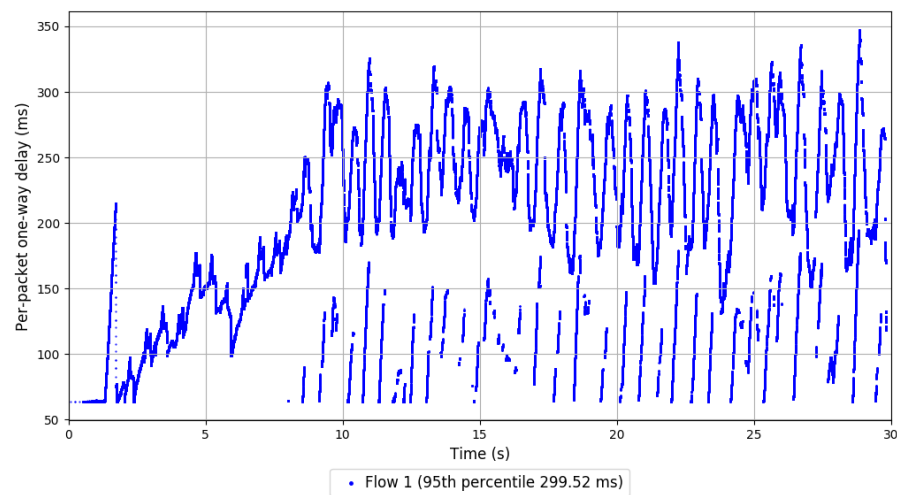
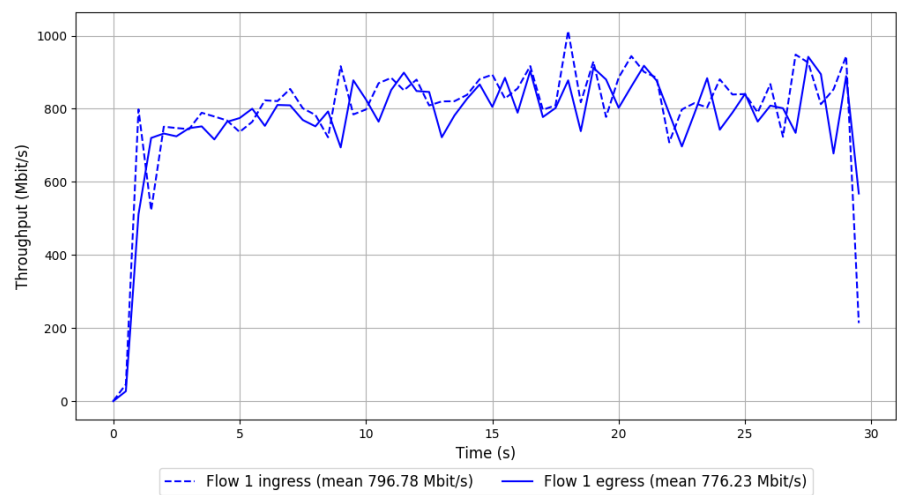


```
Run 1: Statistics of FillP

Start at: 2018-04-24 20:55:05
End at: 2018-04-24 20:55:35

# Below is generated by plot.py at 2018-04-25 01:09:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 776.23 Mbit/s
95th percentile per-packet one-way delay: 299.516 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 776.23 Mbit/s
95th percentile per-packet one-way delay: 299.516 ms
Loss rate: 2.58%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 21:07:58

End at: 2018-04-24 21:08:28

Below is generated by plot.py at 2018-04-25 01:09:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 765.07 Mbit/s

95th percentile per-packet one-way delay: 295.846 ms

Loss rate: 3.00%

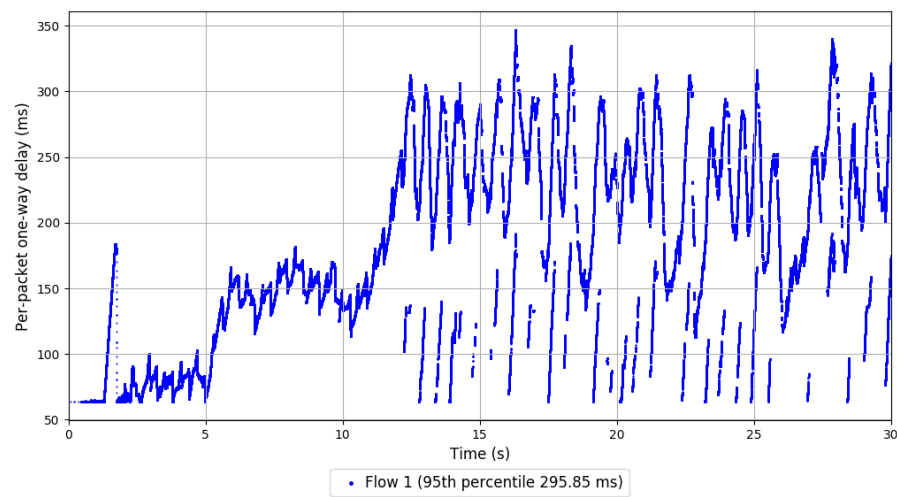
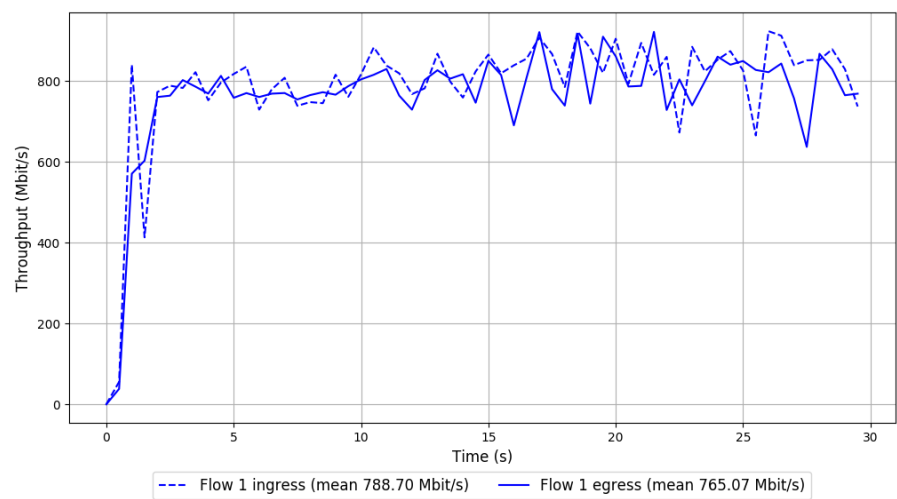
-- Flow 1:

Average throughput: 765.07 Mbit/s

95th percentile per-packet one-way delay: 295.846 ms

Loss rate: 3.00%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 21:21:05

End at: 2018-04-24 21:21:35

Below is generated by plot.py at 2018-04-25 01:09:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 761.58 Mbit/s

95th percentile per-packet one-way delay: 297.167 ms

Loss rate: 2.22%

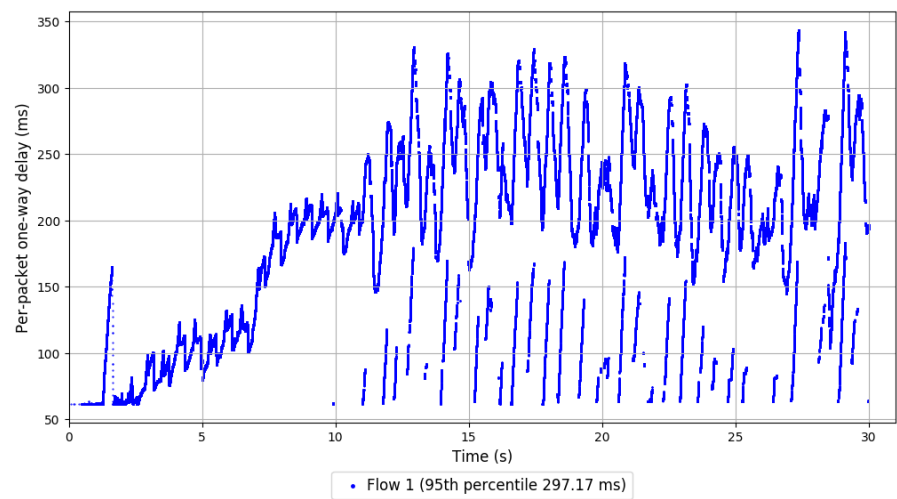
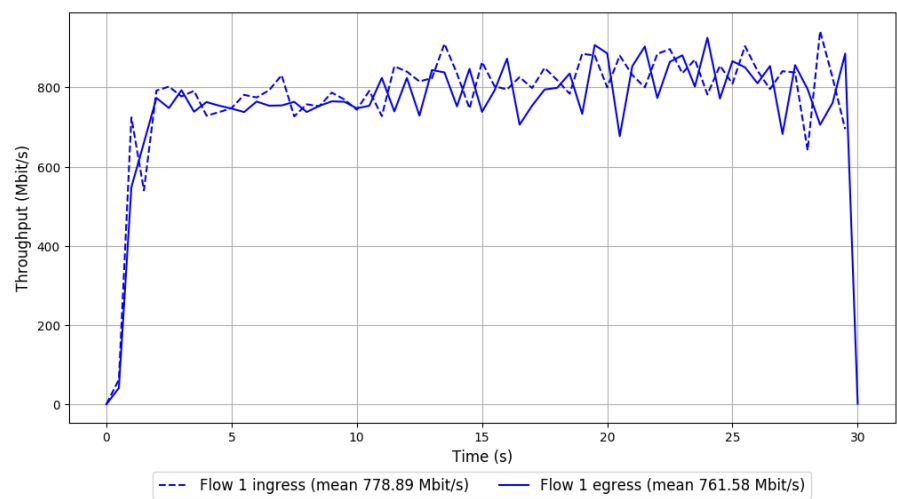
-- Flow 1:

Average throughput: 761.58 Mbit/s

95th percentile per-packet one-way delay: 297.167 ms

Loss rate: 2.22%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 21:33:57

End at: 2018-04-24 21:34:27

Below is generated by plot.py at 2018-04-25 01:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 774.66 Mbit/s

95th percentile per-packet one-way delay: 313.238 ms

Loss rate: 4.68%

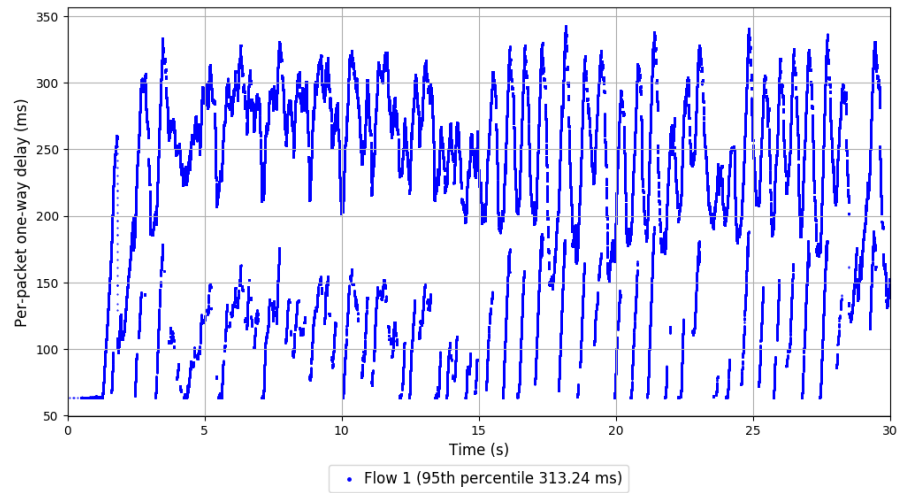
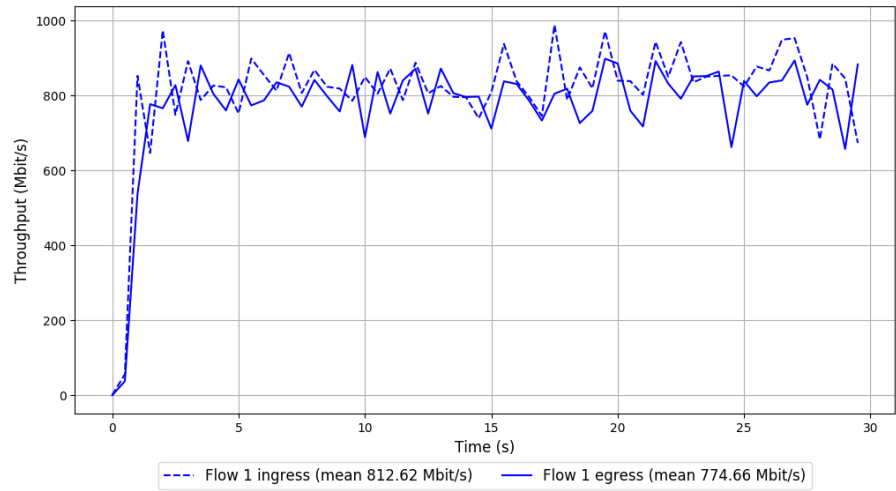
-- Flow 1:

Average throughput: 774.66 Mbit/s

95th percentile per-packet one-way delay: 313.238 ms

Loss rate: 4.68%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 21:47:07

End at: 2018-04-24 21:47:37

Below is generated by plot.py at 2018-04-25 01:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 755.73 Mbit/s

95th percentile per-packet one-way delay: 307.879 ms

Loss rate: 6.98%

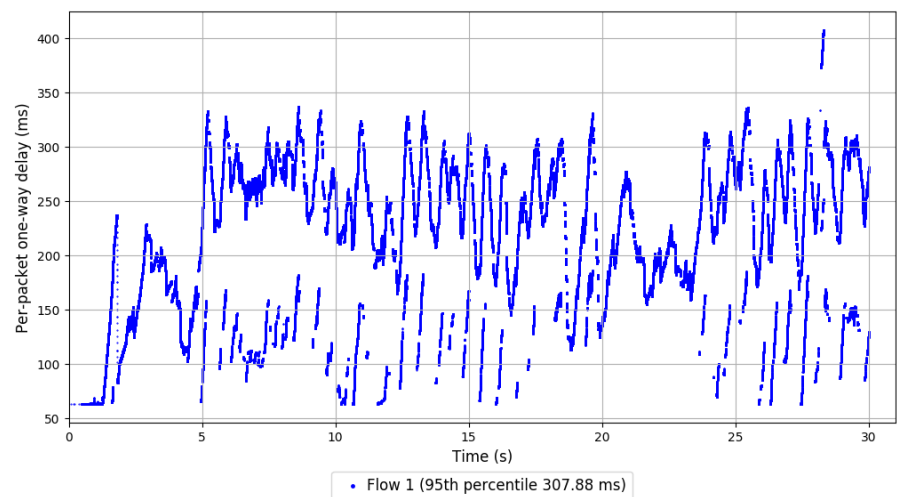
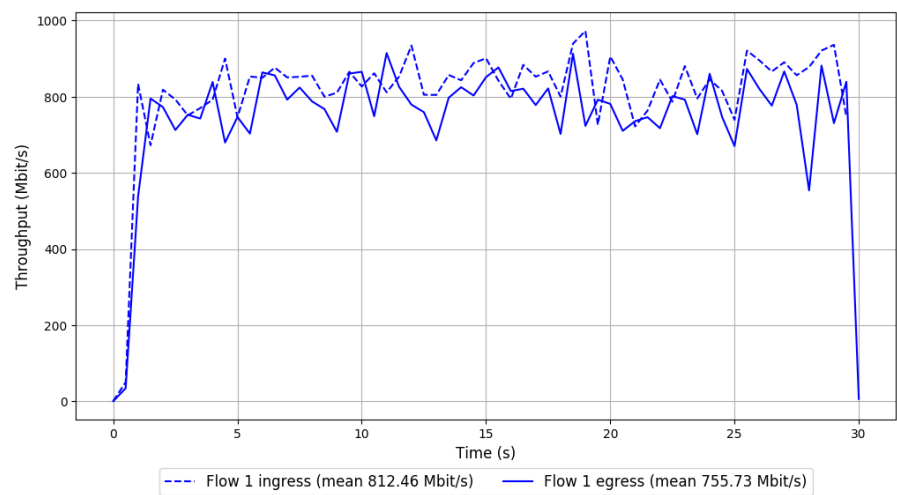
-- Flow 1:

Average throughput: 755.73 Mbit/s

95th percentile per-packet one-way delay: 307.879 ms

Loss rate: 6.98%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 22:00:07

End at: 2018-04-24 22:00:37

Below is generated by plot.py at 2018-04-25 01:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.71 Mbit/s

95th percentile per-packet one-way delay: 307.017 ms

Loss rate: 6.54%

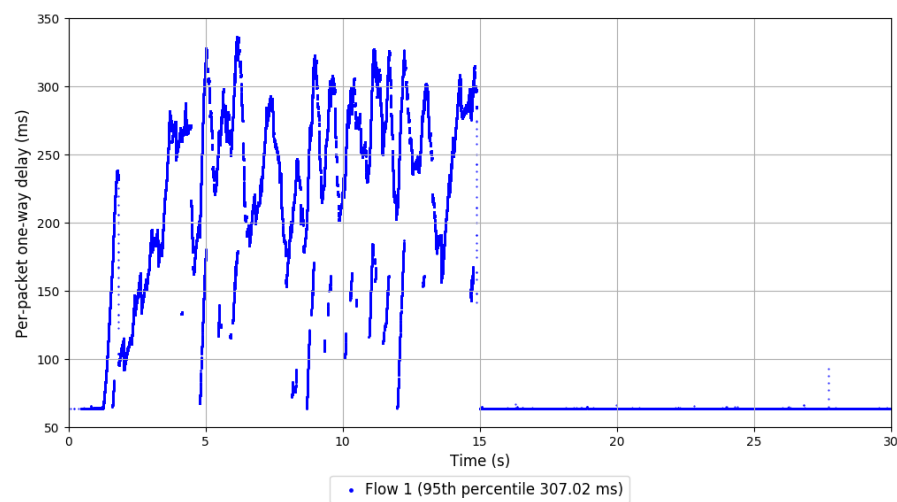
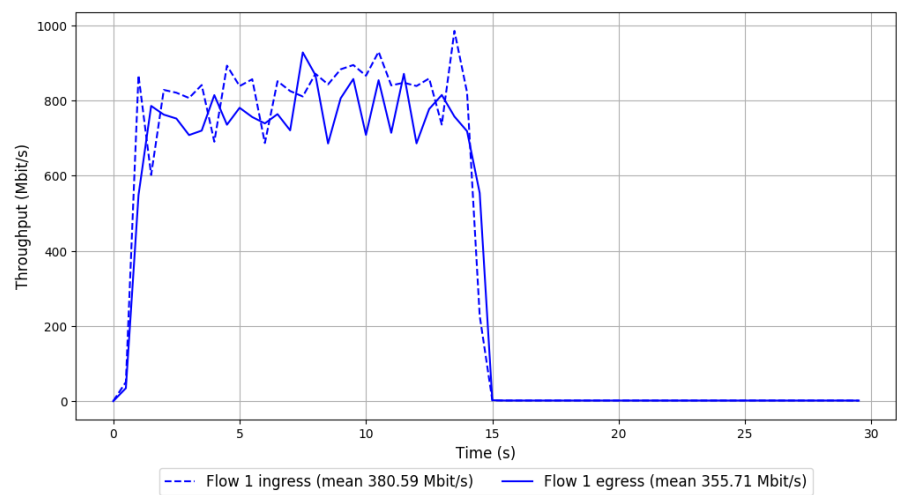
-- Flow 1:

Average throughput: 355.71 Mbit/s

95th percentile per-packet one-way delay: 307.017 ms

Loss rate: 6.54%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 22:12:46

End at: 2018-04-24 22:13:16

Below is generated by plot.py at 2018-04-25 01:10:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.07 Mbit/s

95th percentile per-packet one-way delay: 313.480 ms

Loss rate: 5.04%

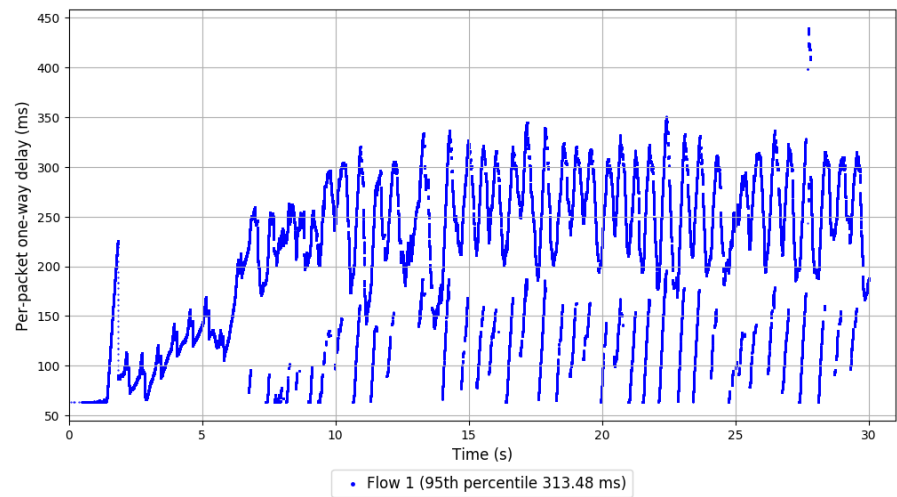
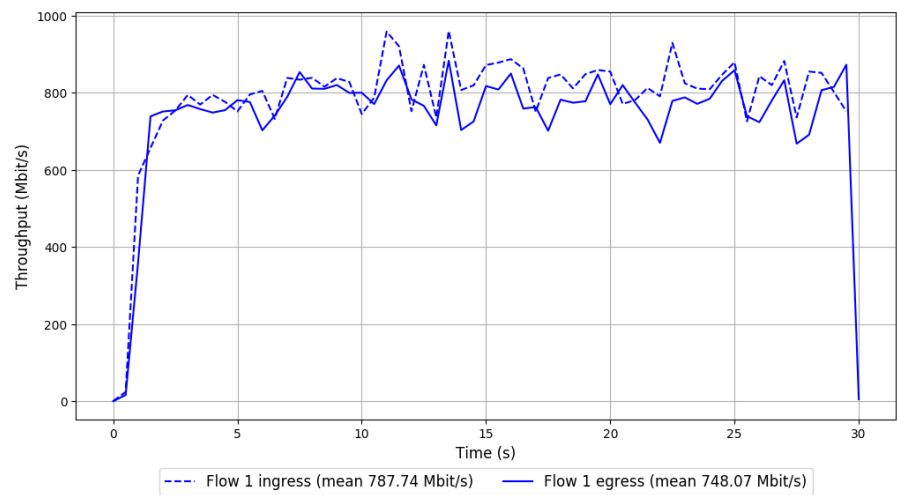
-- Flow 1:

Average throughput: 748.07 Mbit/s

95th percentile per-packet one-way delay: 313.480 ms

Loss rate: 5.04%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 22:26:03

End at: 2018-04-24 22:26:33

Below is generated by plot.py at 2018-04-25 01:10:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 739.66 Mbit/s

95th percentile per-packet one-way delay: 307.784 ms

Loss rate: 2.33%

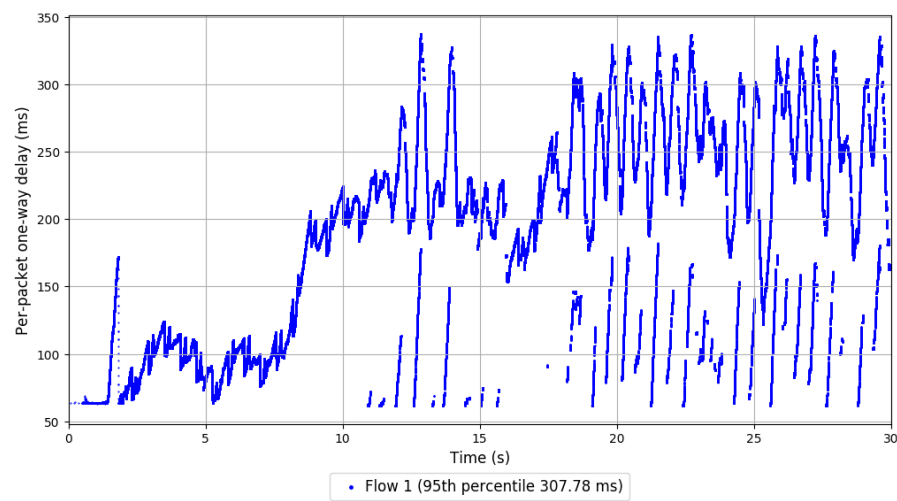
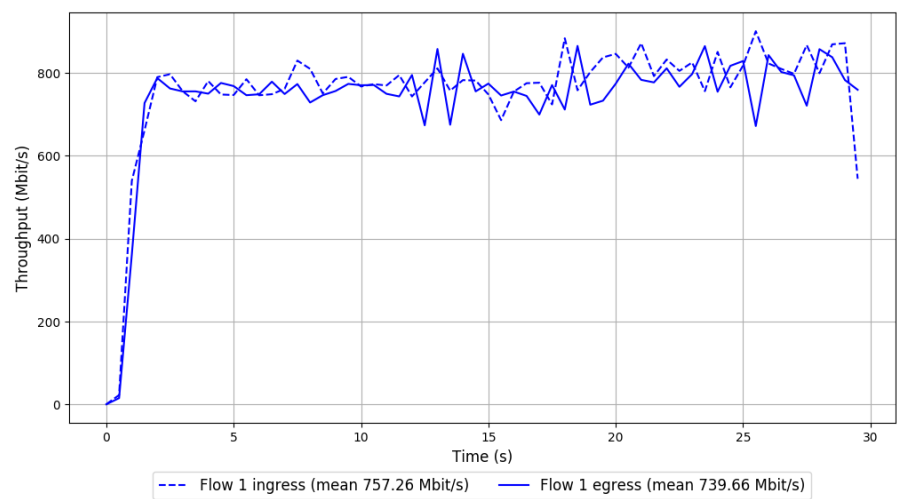
-- Flow 1:

Average throughput: 739.66 Mbit/s

95th percentile per-packet one-way delay: 307.784 ms

Loss rate: 2.33%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 22:39:01

End at: 2018-04-24 22:39:31

Below is generated by plot.py at 2018-04-25 01:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.88 Mbit/s

95th percentile per-packet one-way delay: 315.618 ms

Loss rate: 7.27%

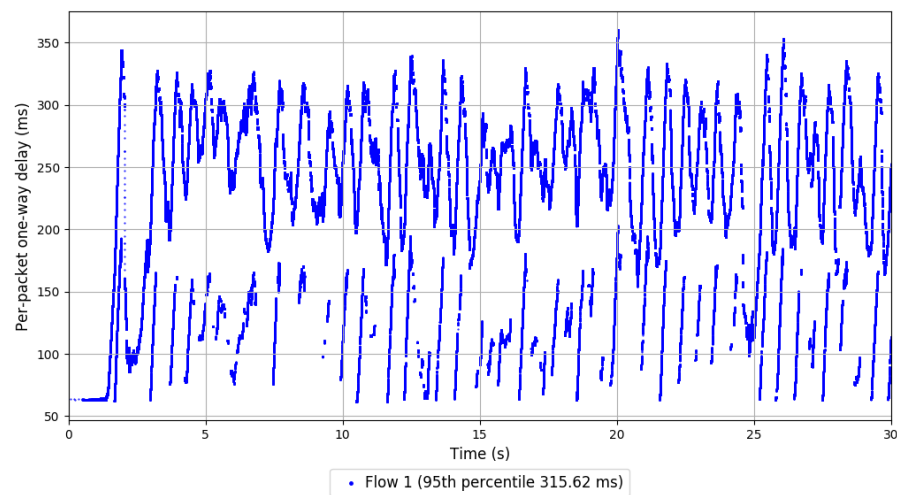
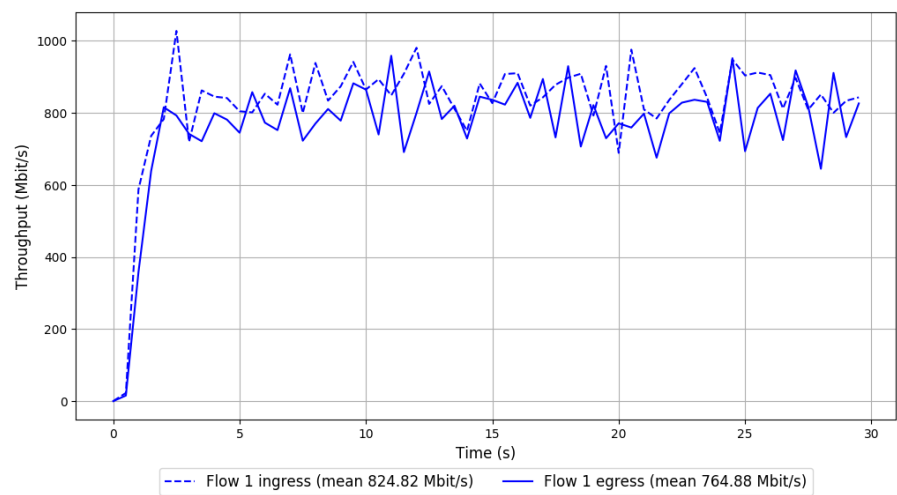
-- Flow 1:

Average throughput: 764.88 Mbit/s

95th percentile per-packet one-way delay: 315.618 ms

Loss rate: 7.27%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 22:52:09

End at: 2018-04-24 22:52:39

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 736.04 Mbit/s

95th percentile per-packet one-way delay: 312.106 ms

Loss rate: 6.24%

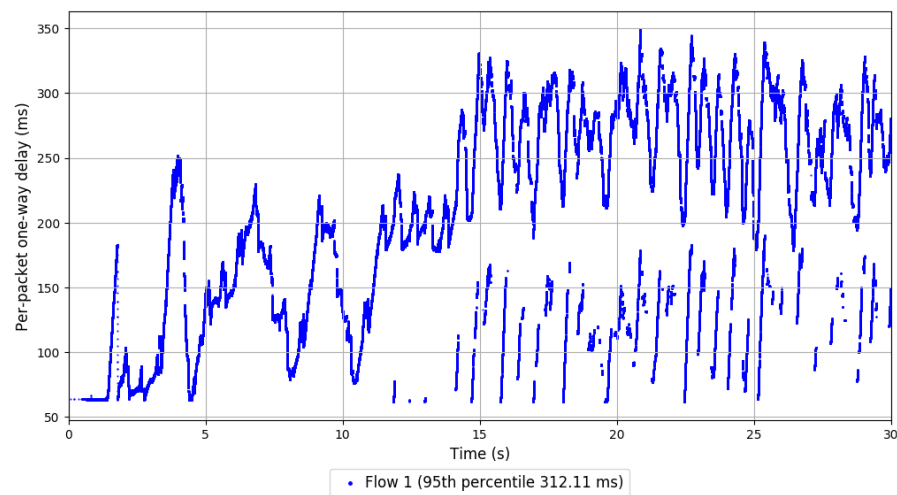
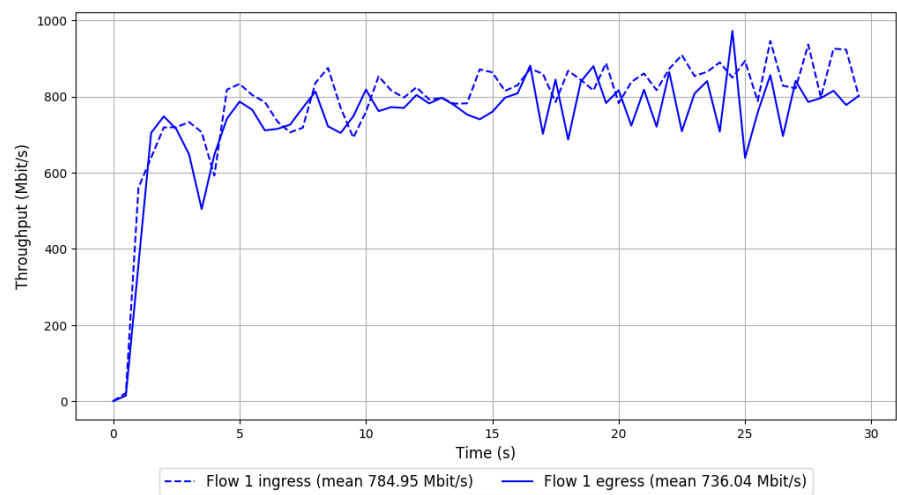
-- Flow 1:

Average throughput: 736.04 Mbit/s

95th percentile per-packet one-way delay: 312.106 ms

Loss rate: 6.24%

Run 10: Report of FillP — Data Link

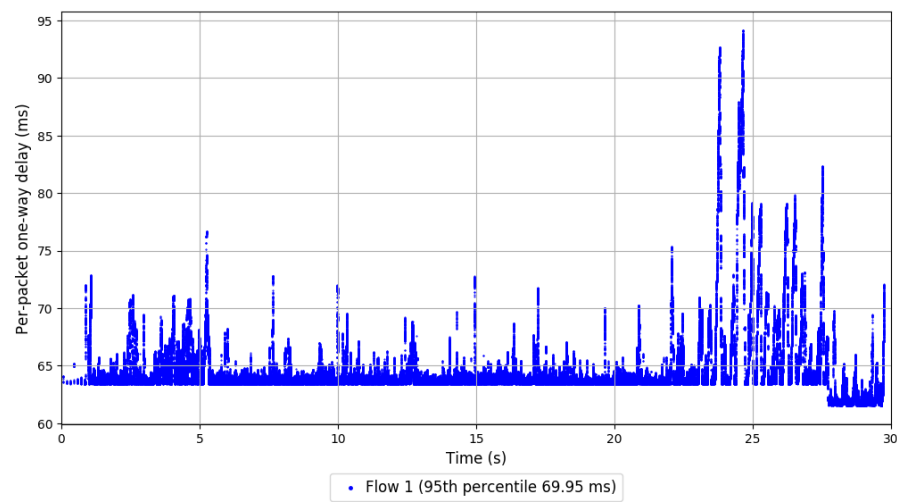
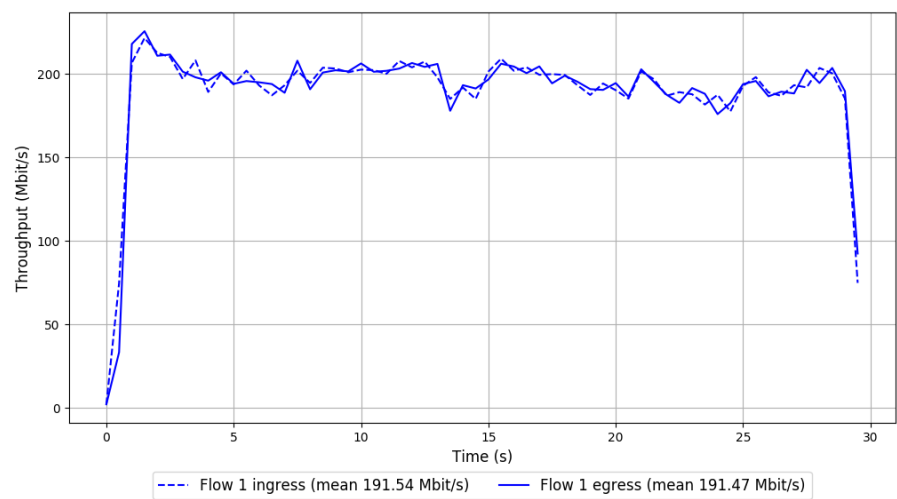


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 21:06:25
End at: 2018-04-24 21:06:55

# Below is generated by plot.py at 2018-04-25 01:23:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.47 Mbit/s
95th percentile per-packet one-way delay: 69.947 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 191.47 Mbit/s
95th percentile per-packet one-way delay: 69.947 ms
Loss rate: 0.03%
```

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

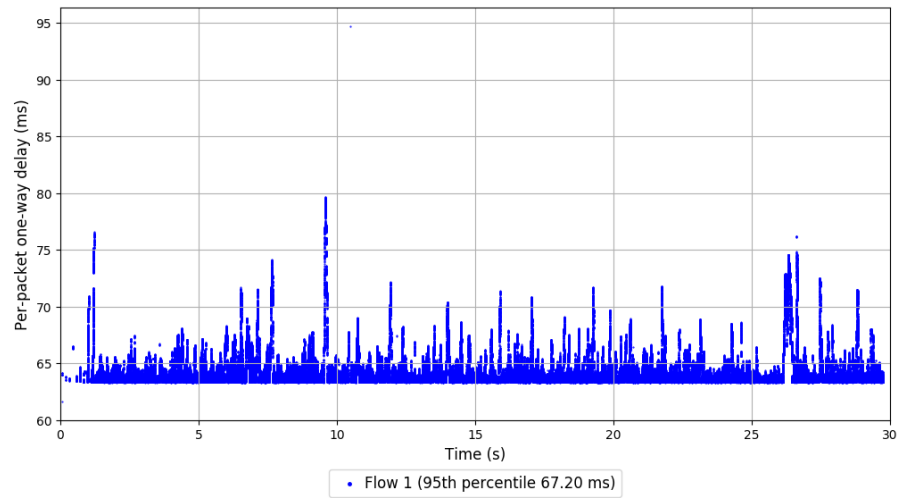
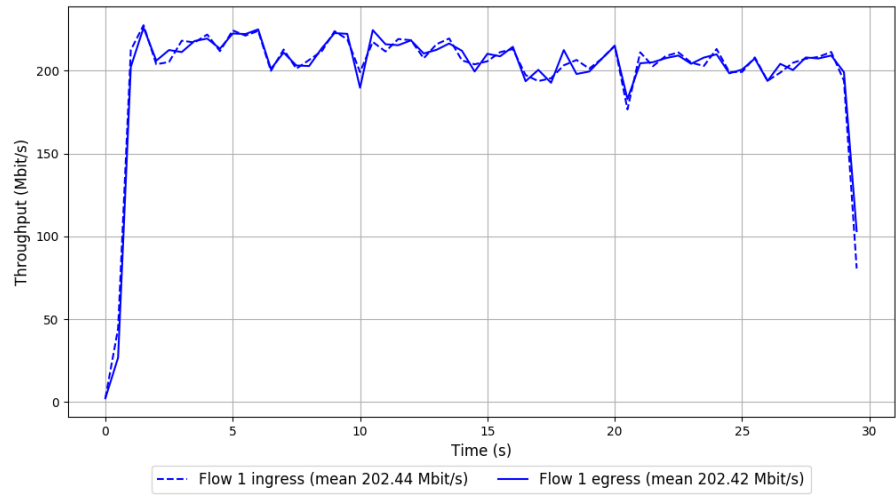


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 21:19:26
End at: 2018-04-24 21:19:56

# Below is generated by plot.py at 2018-04-25 01:23:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.42 Mbit/s
95th percentile per-packet one-way delay: 67.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.42 Mbit/s
95th percentile per-packet one-way delay: 67.197 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 21:32:23

End at: 2018-04-24 21:32:53

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.38 Mbit/s

95th percentile per-packet one-way delay: 64.915 ms

Loss rate: 0.00%

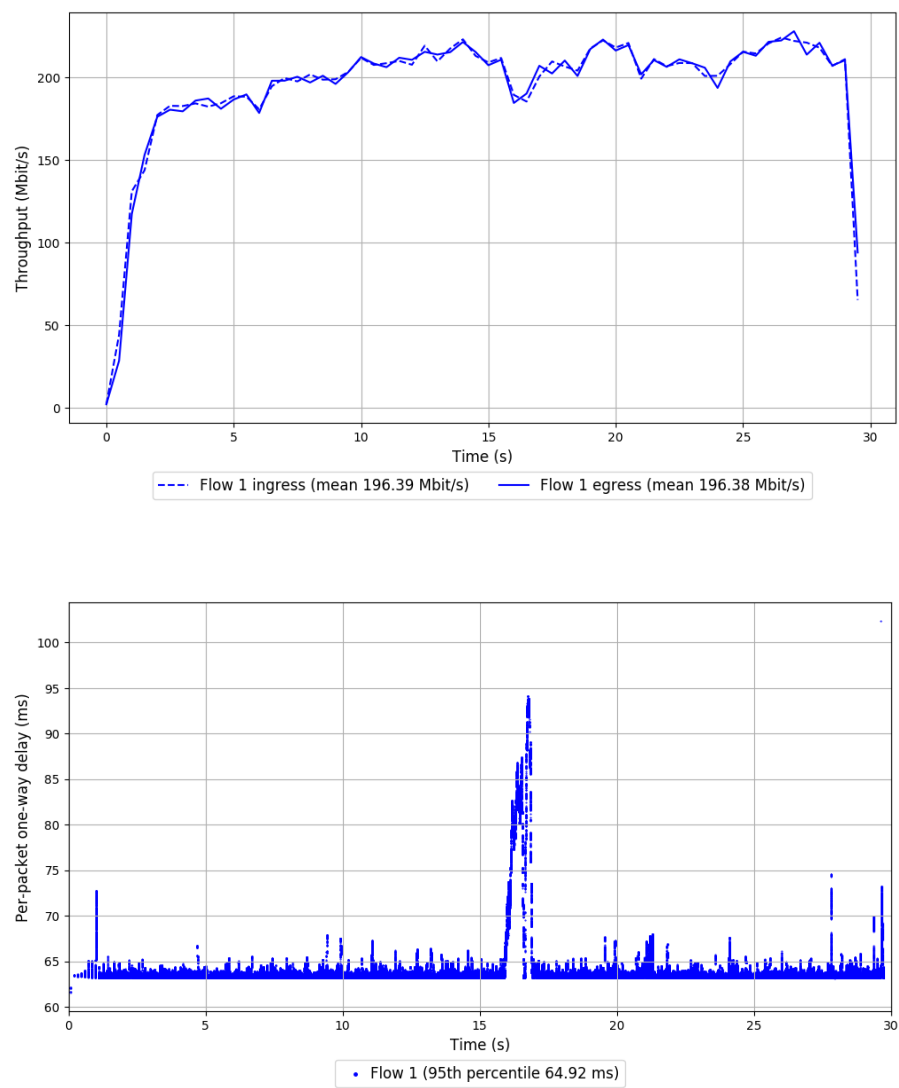
-- Flow 1:

Average throughput: 196.38 Mbit/s

95th percentile per-packet one-way delay: 64.915 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 21:45:34

End at: 2018-04-24 21:46:04

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.81 Mbit/s

95th percentile per-packet one-way delay: 71.704 ms

Loss rate: 0.00%

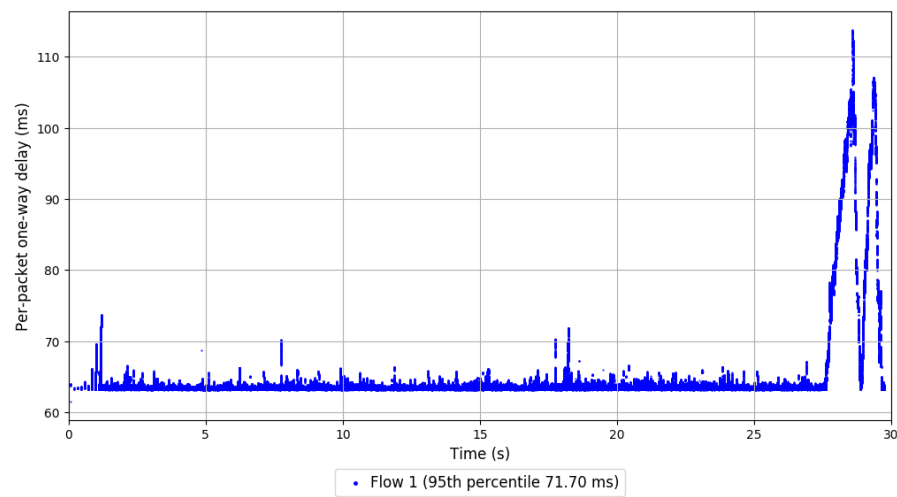
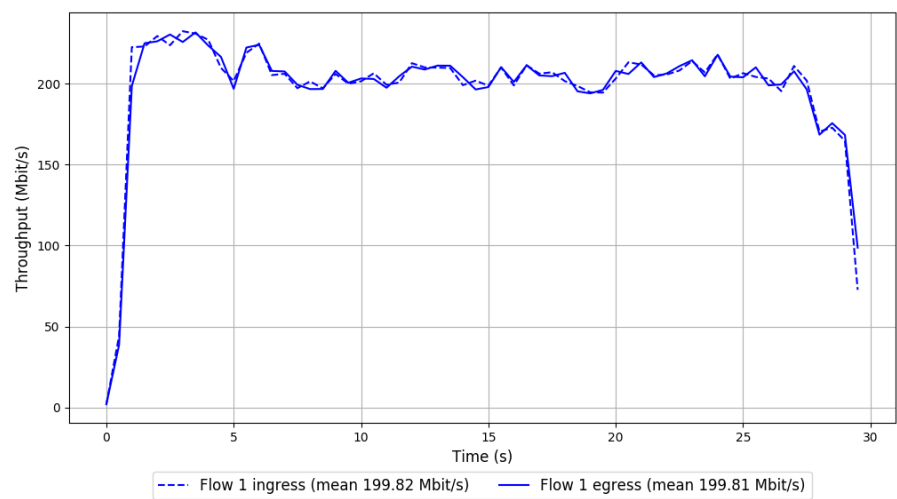
-- Flow 1:

Average throughput: 199.81 Mbit/s

95th percentile per-packet one-way delay: 71.704 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 21:58:34

End at: 2018-04-24 21:59:04

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.50 Mbit/s

95th percentile per-packet one-way delay: 67.198 ms

Loss rate: 0.00%

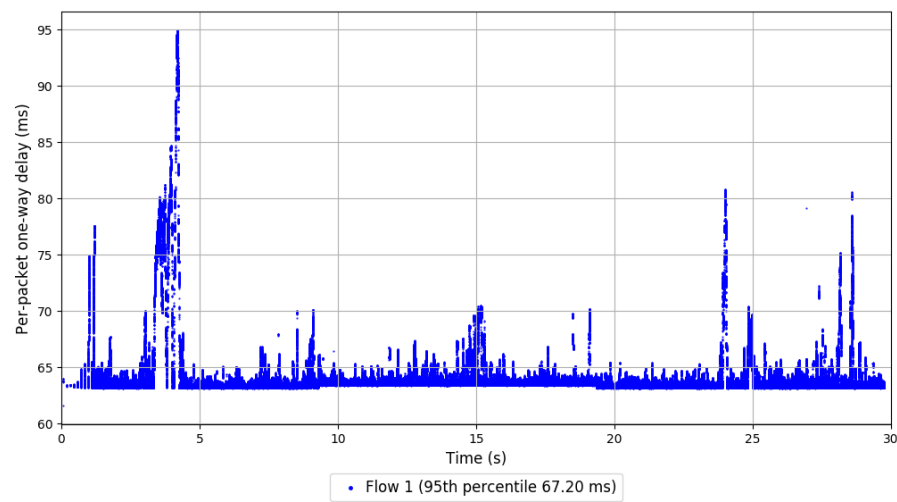
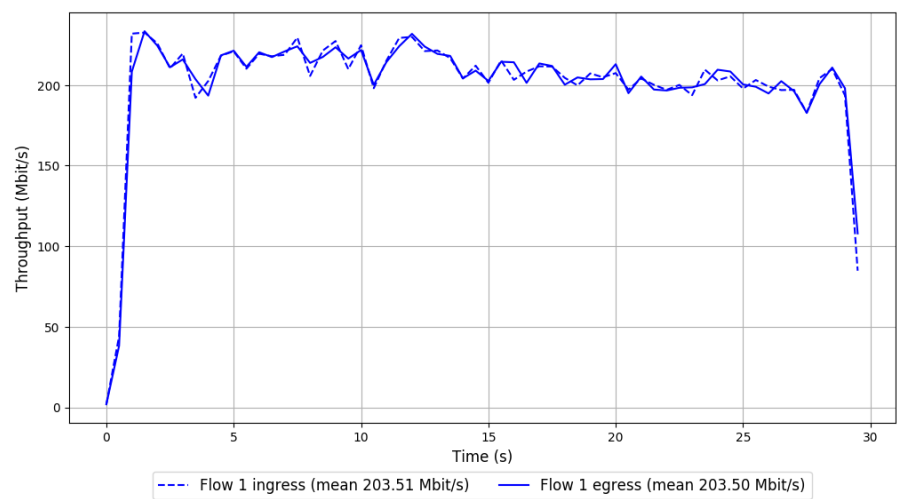
-- Flow 1:

Average throughput: 203.50 Mbit/s

95th percentile per-packet one-way delay: 67.198 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 22:11:15

End at: 2018-04-24 22:11:45

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.64 Mbit/s

95th percentile per-packet one-way delay: 64.335 ms

Loss rate: 0.00%

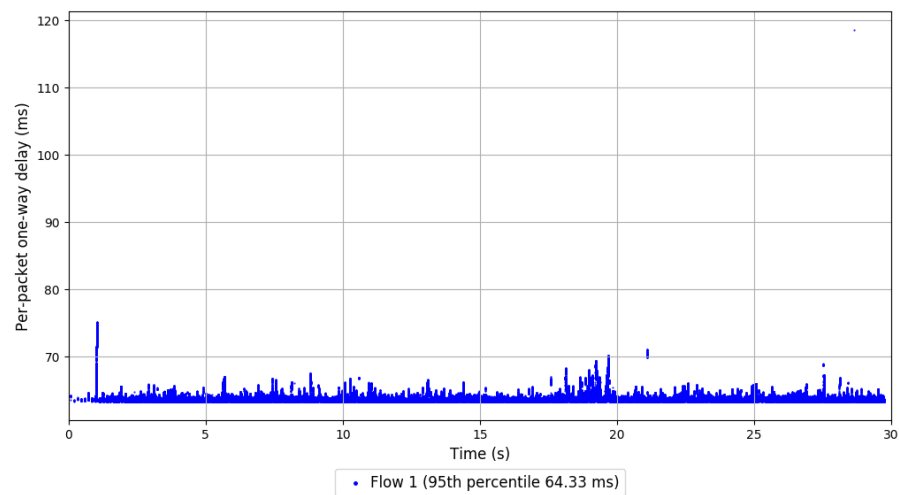
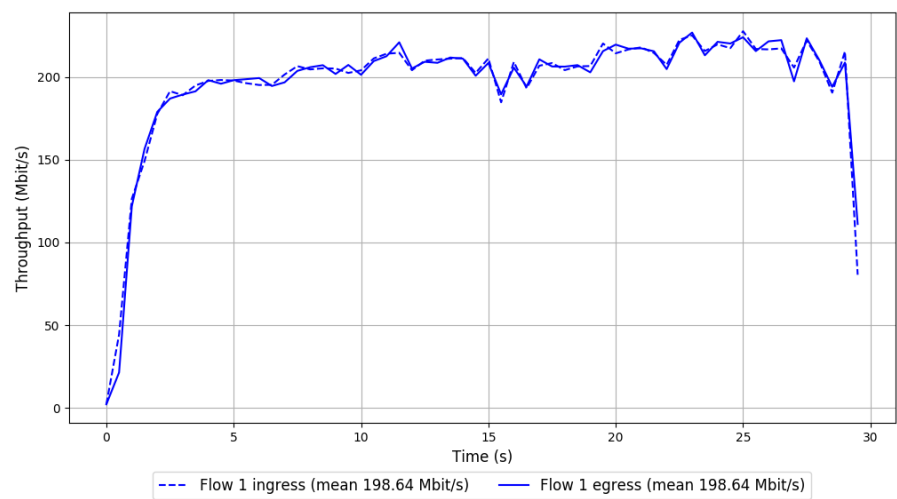
-- Flow 1:

Average throughput: 198.64 Mbit/s

95th percentile per-packet one-way delay: 64.335 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 22:24:25

End at: 2018-04-24 22:24:55

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.78 Mbit/s

95th percentile per-packet one-way delay: 65.270 ms

Loss rate: 0.00%

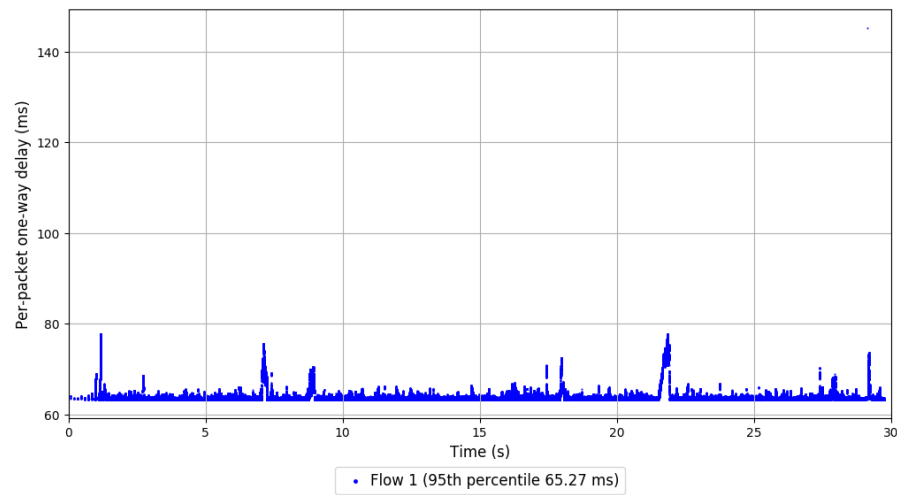
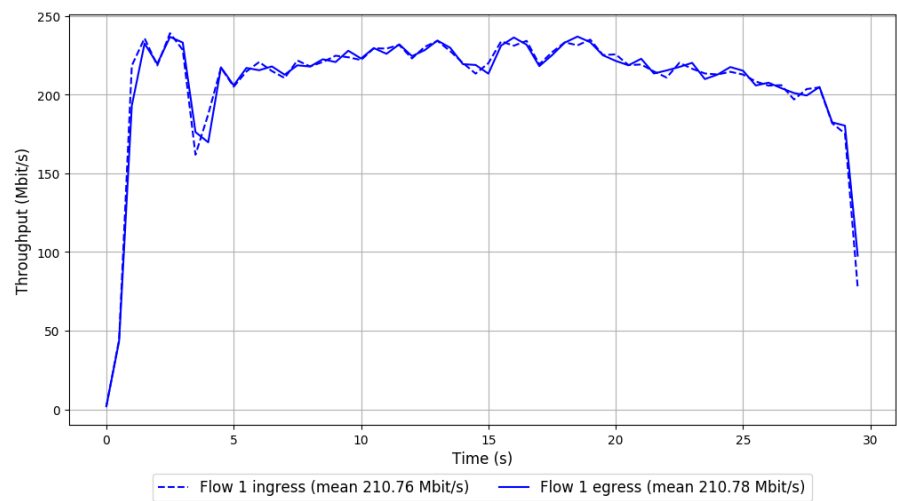
-- Flow 1:

Average throughput: 210.78 Mbit/s

95th percentile per-packet one-way delay: 65.270 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 22:37:30

End at: 2018-04-24 22:38:00

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.41 Mbit/s

95th percentile per-packet one-way delay: 67.693 ms

Loss rate: 0.00%

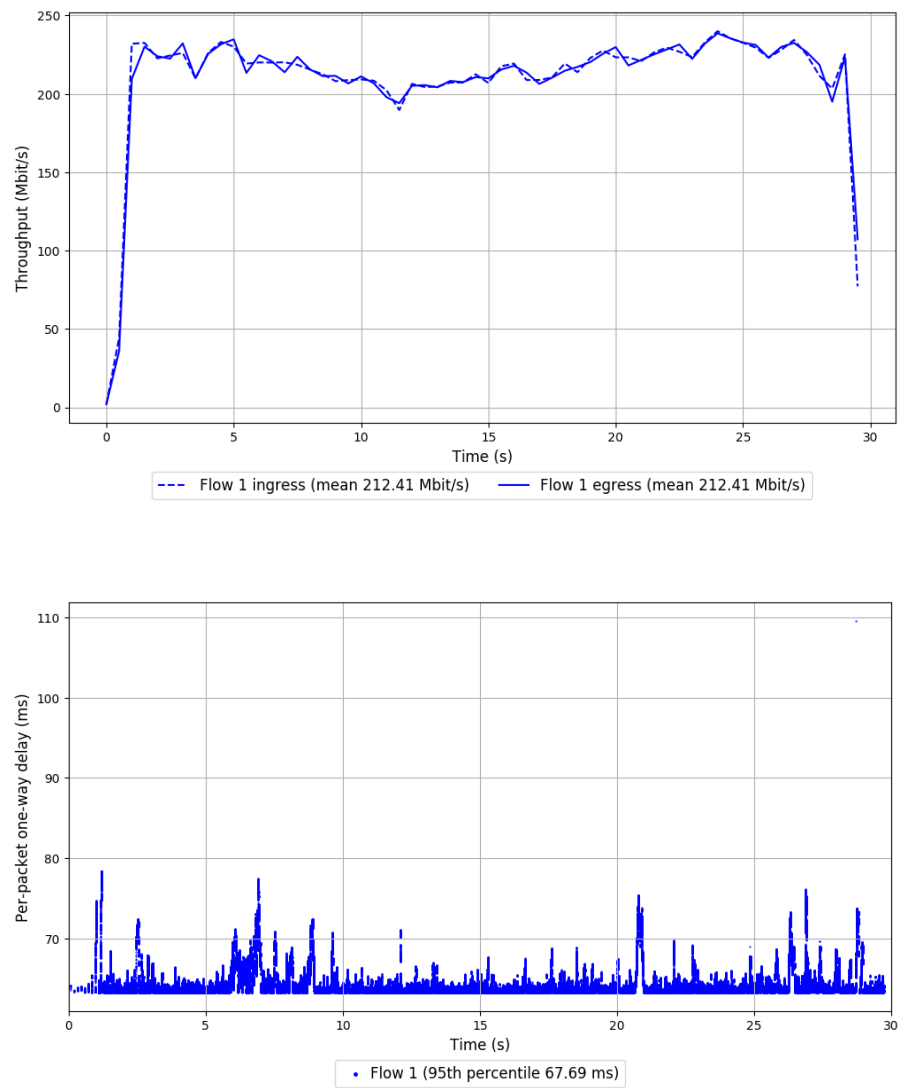
-- Flow 1:

Average throughput: 212.41 Mbit/s

95th percentile per-packet one-way delay: 67.693 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 22:50:30

End at: 2018-04-24 22:51:00

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.73 Mbit/s

95th percentile per-packet one-way delay: 72.589 ms

Loss rate: 0.00%

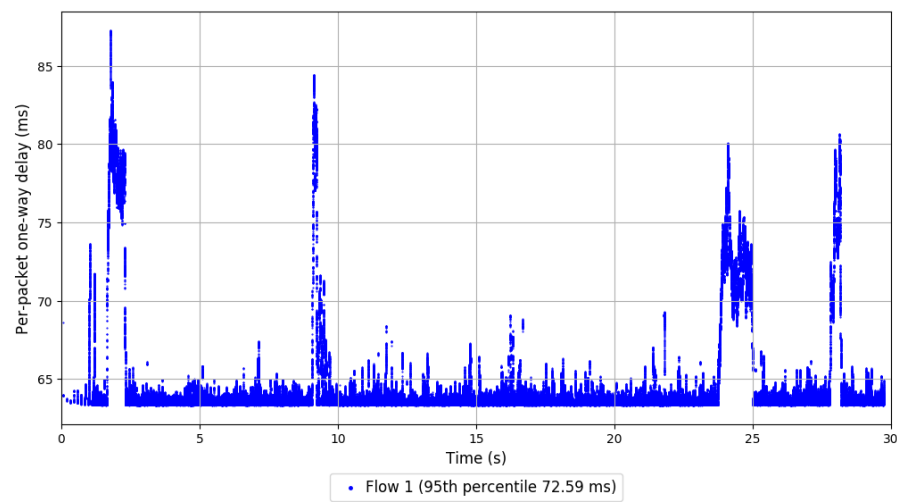
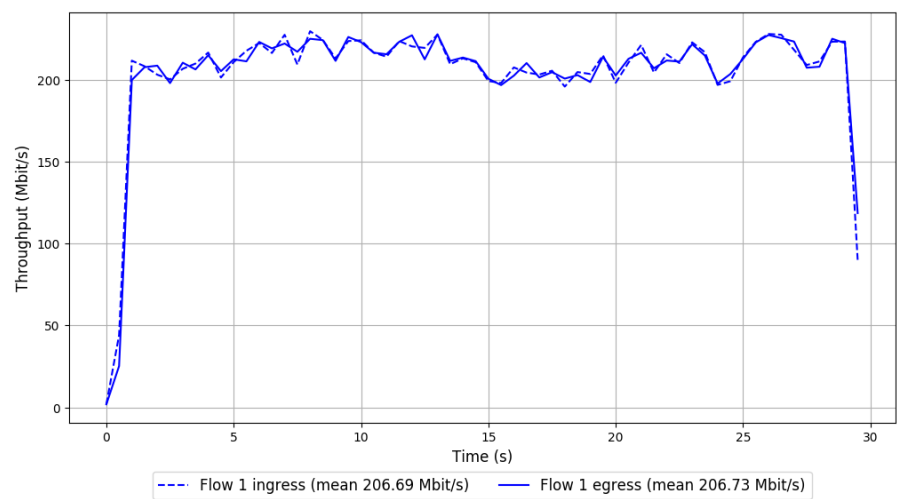
-- Flow 1:

Average throughput: 206.73 Mbit/s

95th percentile per-packet one-way delay: 72.589 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 23:03:50

End at: 2018-04-24 23:04:20

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.82 Mbit/s

95th percentile per-packet one-way delay: 71.952 ms

Loss rate: 0.00%

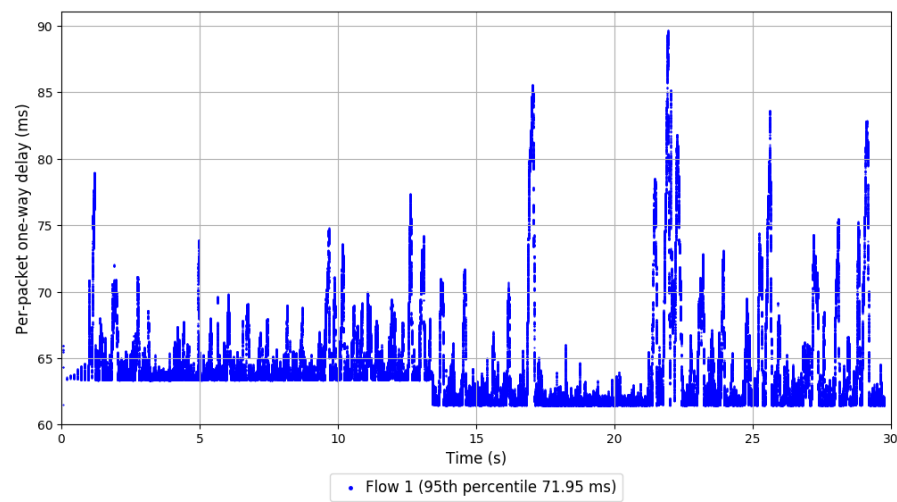
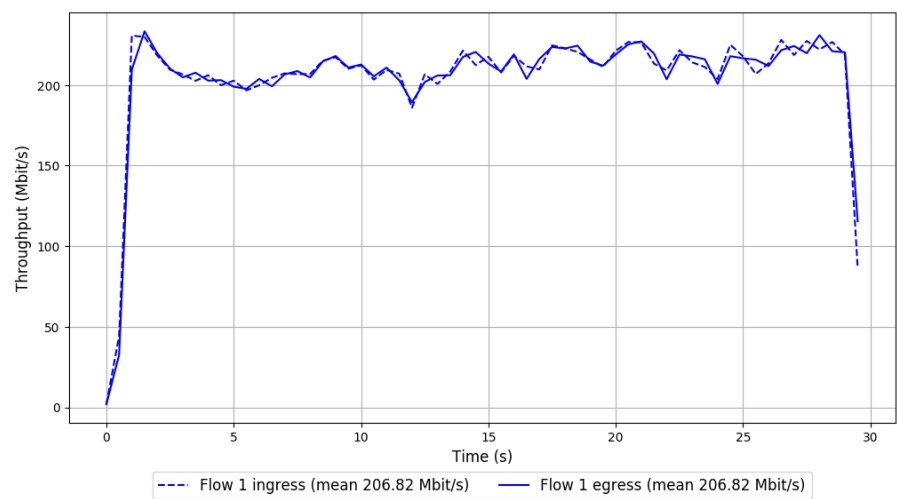
-- Flow 1:

Average throughput: 206.82 Mbit/s

95th percentile per-packet one-way delay: 71.952 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 21:01:20

End at: 2018-04-24 21:01:50

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.98 Mbit/s

95th percentile per-packet one-way delay: 62.180 ms

Loss rate: 0.00%

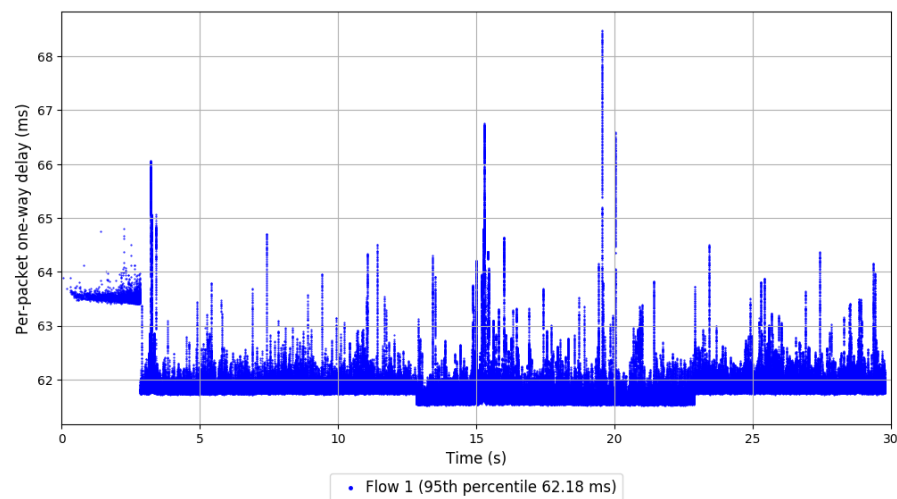
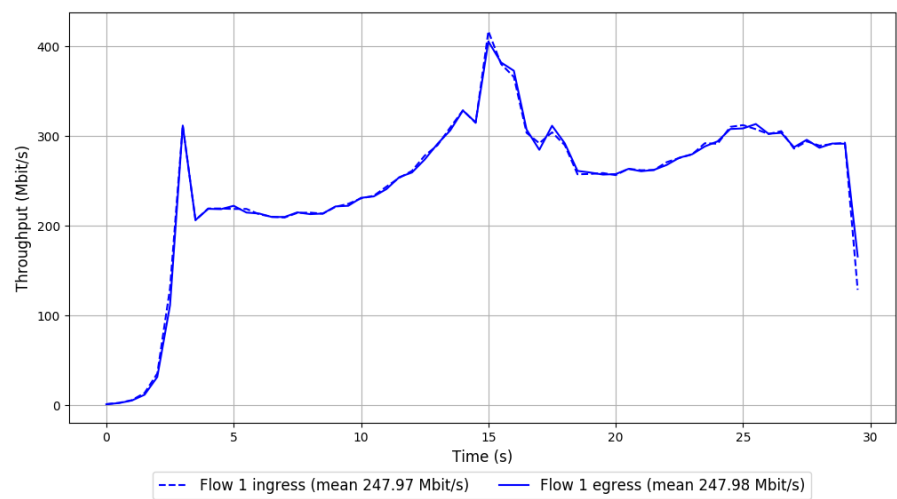
-- Flow 1:

Average throughput: 247.98 Mbit/s

95th percentile per-packet one-way delay: 62.180 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 21:14:18

End at: 2018-04-24 21:14:48

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.11 Mbit/s

95th percentile per-packet one-way delay: 64.232 ms

Loss rate: 0.00%

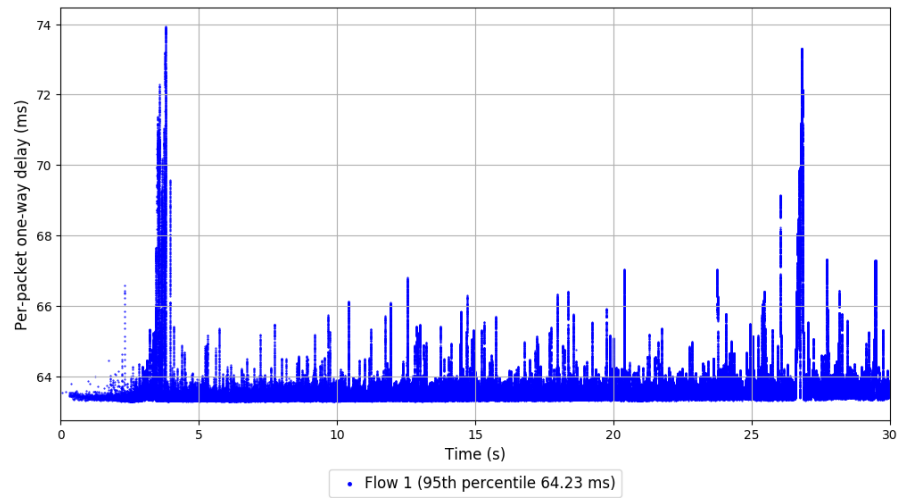
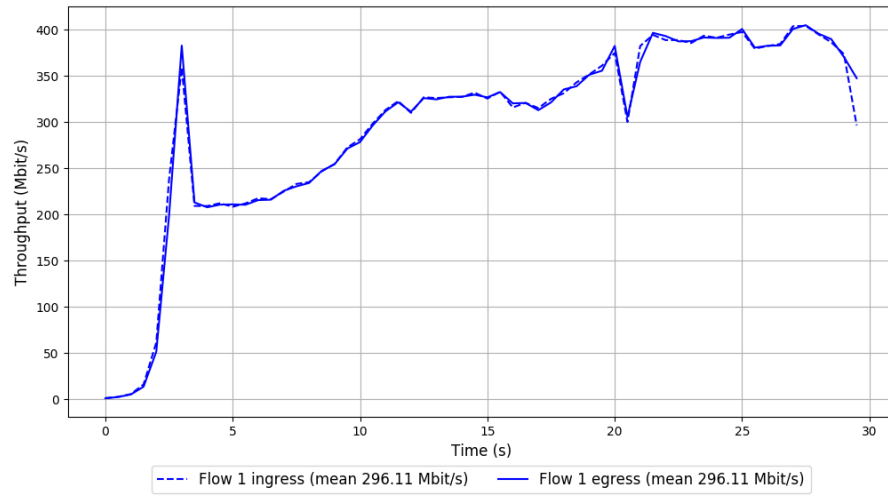
-- Flow 1:

Average throughput: 296.11 Mbit/s

95th percentile per-packet one-way delay: 64.232 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 21:27:14

End at: 2018-04-24 21:27:44

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.51 Mbit/s

95th percentile per-packet one-way delay: 64.192 ms

Loss rate: 0.00%

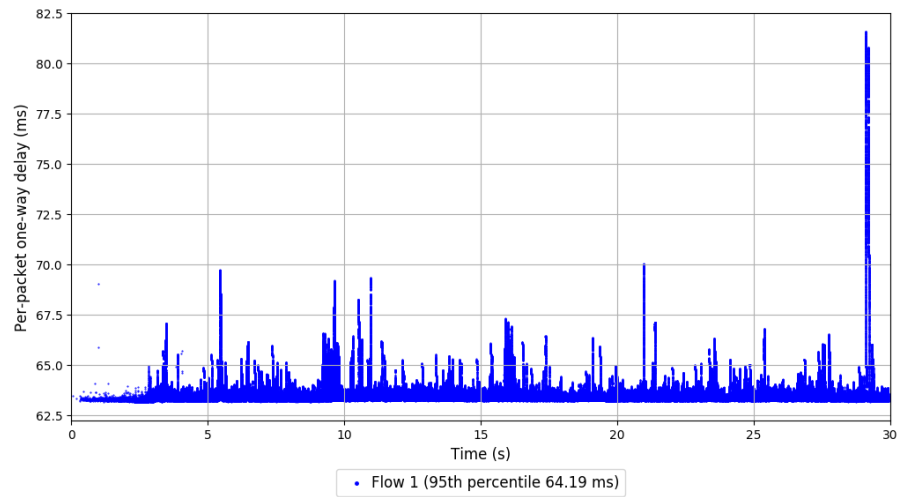
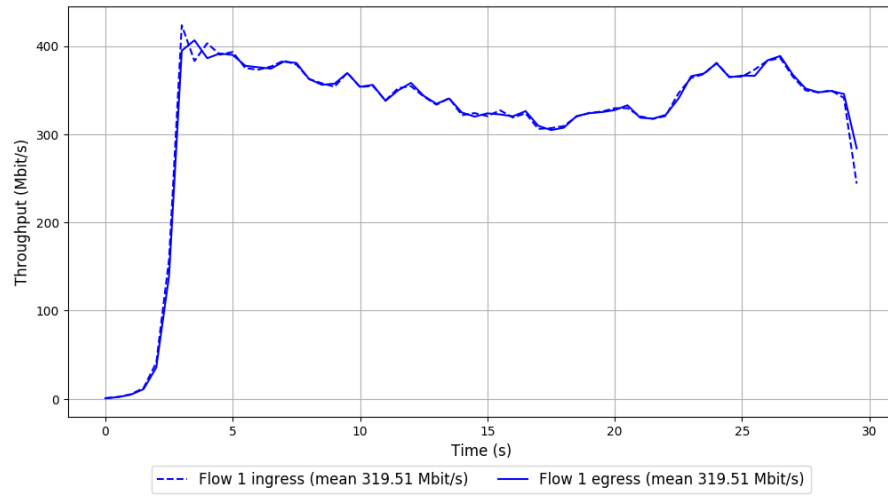
-- Flow 1:

Average throughput: 319.51 Mbit/s

95th percentile per-packet one-way delay: 64.192 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 21:40:29

End at: 2018-04-24 21:40:59

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.14 Mbit/s

95th percentile per-packet one-way delay: 62.735 ms

Loss rate: 0.00%

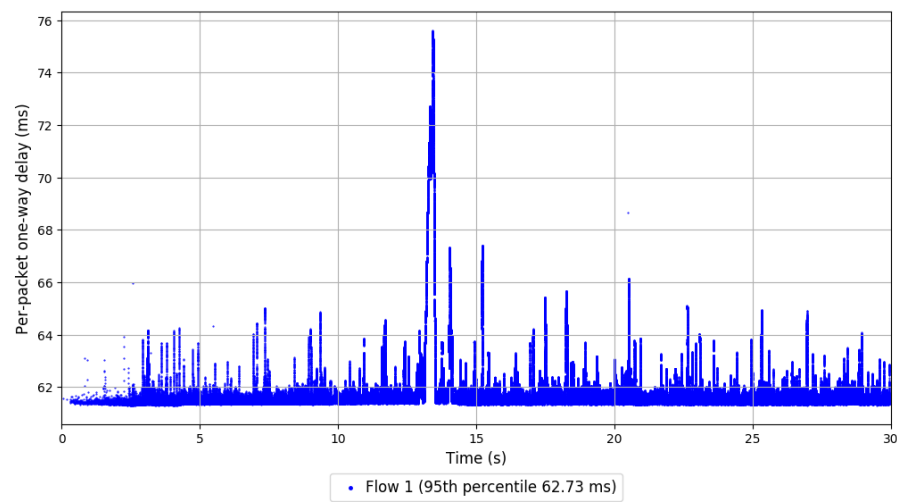
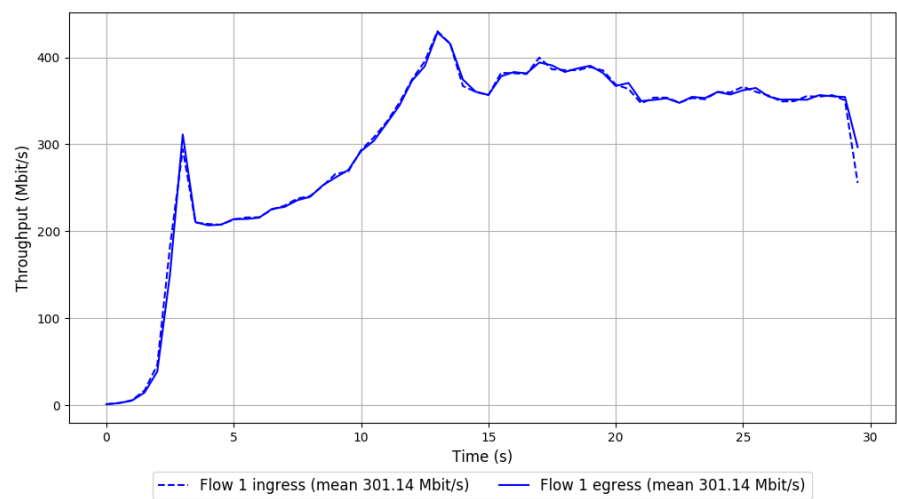
-- Flow 1:

Average throughput: 301.14 Mbit/s

95th percentile per-packet one-way delay: 62.735 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 21:53:26

End at: 2018-04-24 21:53:56

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.81 Mbit/s

95th percentile per-packet one-way delay: 63.409 ms

Loss rate: 0.00%

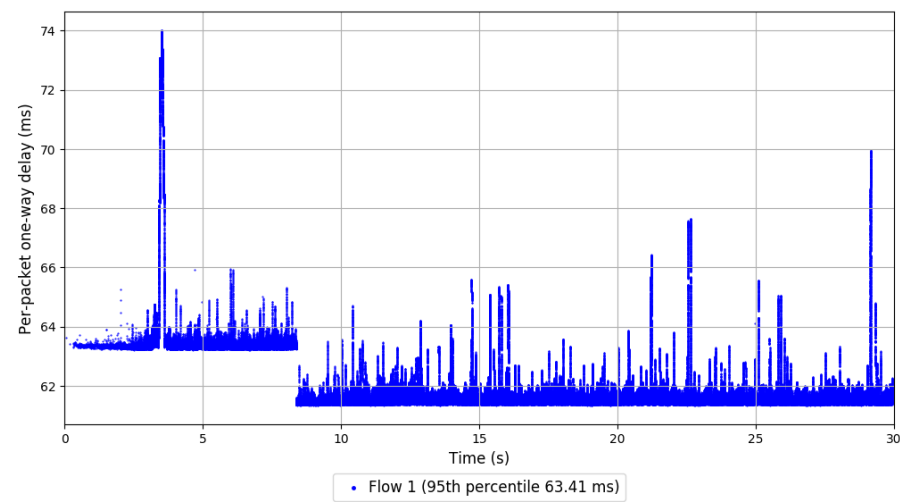
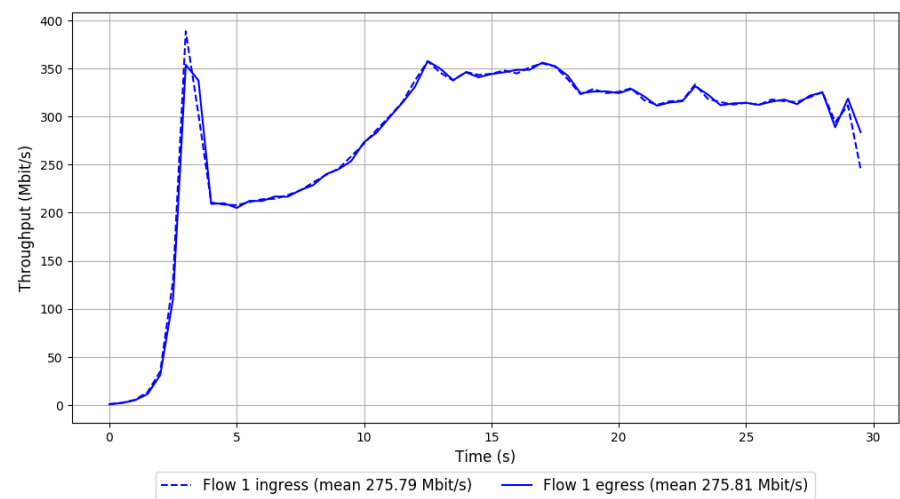
-- Flow 1:

Average throughput: 275.81 Mbit/s

95th percentile per-packet one-way delay: 63.409 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 22:06:08

End at: 2018-04-24 22:06:38

Below is generated by plot.py at 2018-04-25 01:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.39 Mbit/s

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

Loss rate: 0.00%

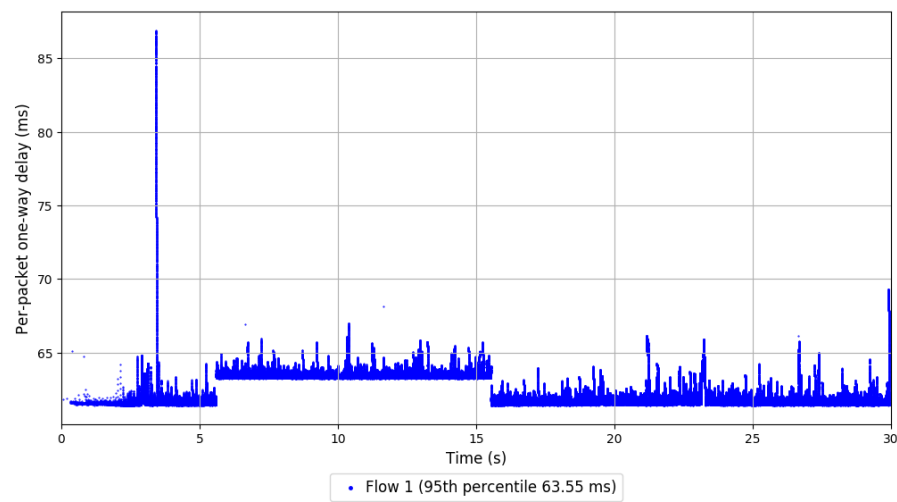
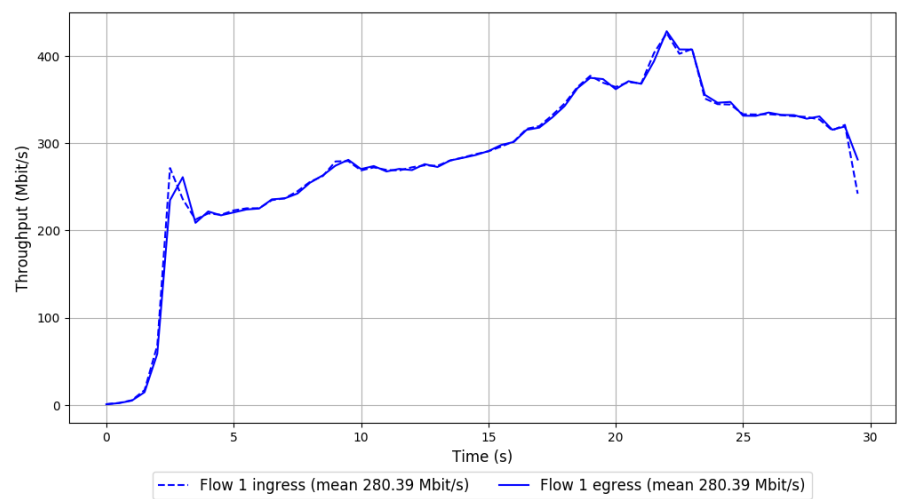
-- Flow 1:

Average throughput: 280.39 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 22:19:14

End at: 2018-04-24 22:19:44

Below is generated by plot.py at 2018-04-25 01:23:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.71 Mbit/s

95th percentile per-packet one-way delay: 65.161 ms

Loss rate: 0.00%

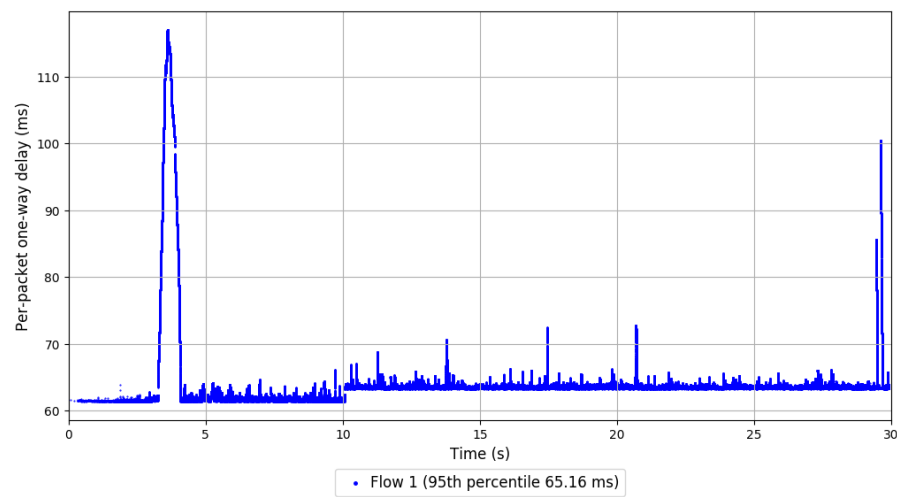
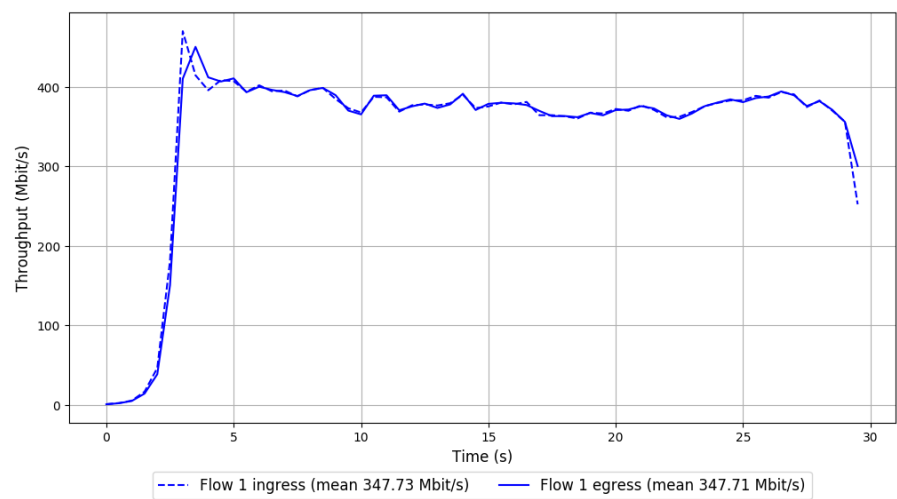
-- Flow 1:

Average throughput: 347.71 Mbit/s

95th percentile per-packet one-way delay: 65.161 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 22:32:25

End at: 2018-04-24 22:32:55

Below is generated by plot.py at 2018-04-25 01:23:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.39 Mbit/s

95th percentile per-packet one-way delay: 63.769 ms

Loss rate: 0.00%

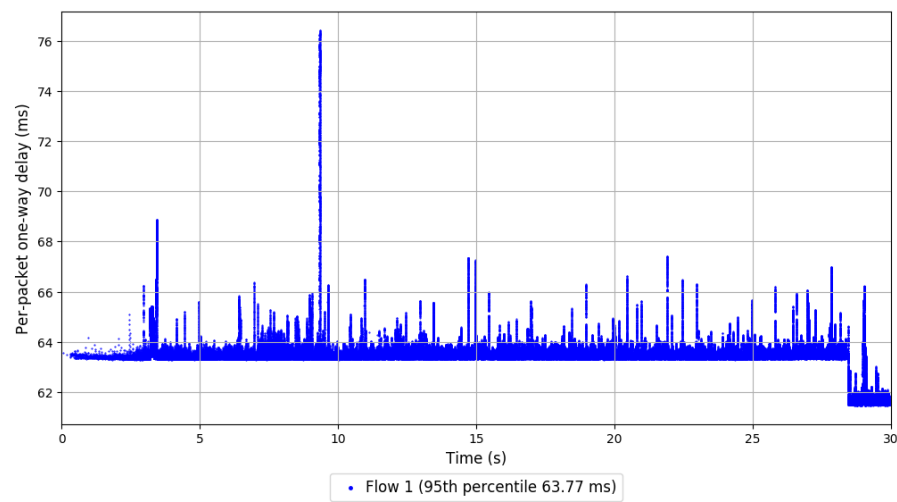
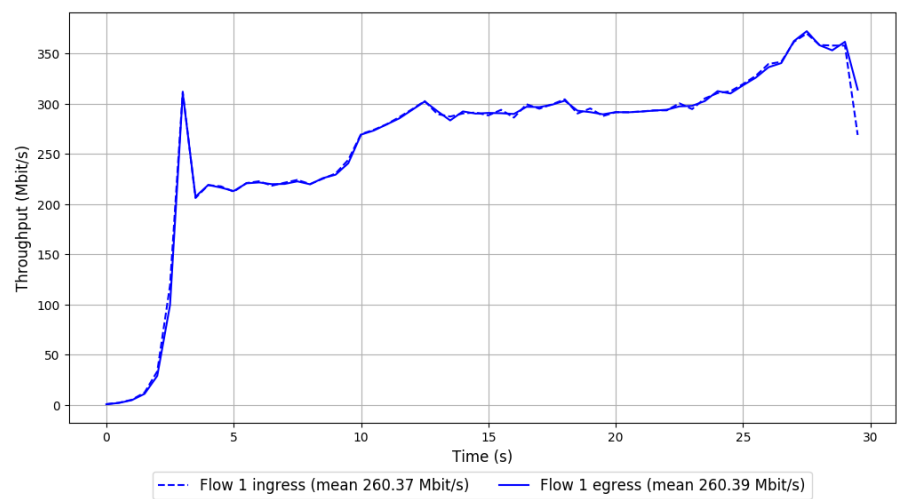
-- Flow 1:

Average throughput: 260.39 Mbit/s

95th percentile per-packet one-way delay: 63.769 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 22:45:25

End at: 2018-04-24 22:45:55

Below is generated by plot.py at 2018-04-25 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.04 Mbit/s

95th percentile per-packet one-way delay: 62.144 ms

Loss rate: 0.00%

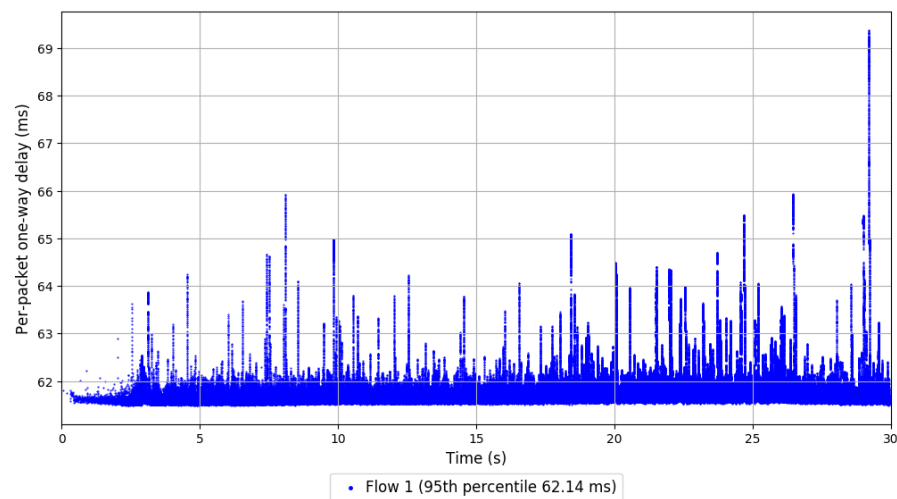
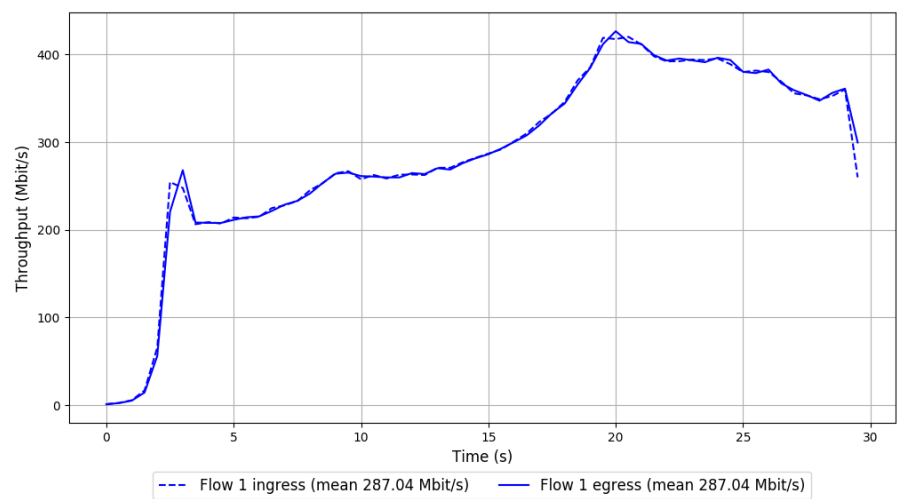
-- Flow 1:

Average throughput: 287.04 Mbit/s

95th percentile per-packet one-way delay: 62.144 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 22:58:39

End at: 2018-04-24 22:59:09

Below is generated by plot.py at 2018-04-25 01:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.53 Mbit/s

95th percentile per-packet one-way delay: 65.146 ms

Loss rate: 0.00%

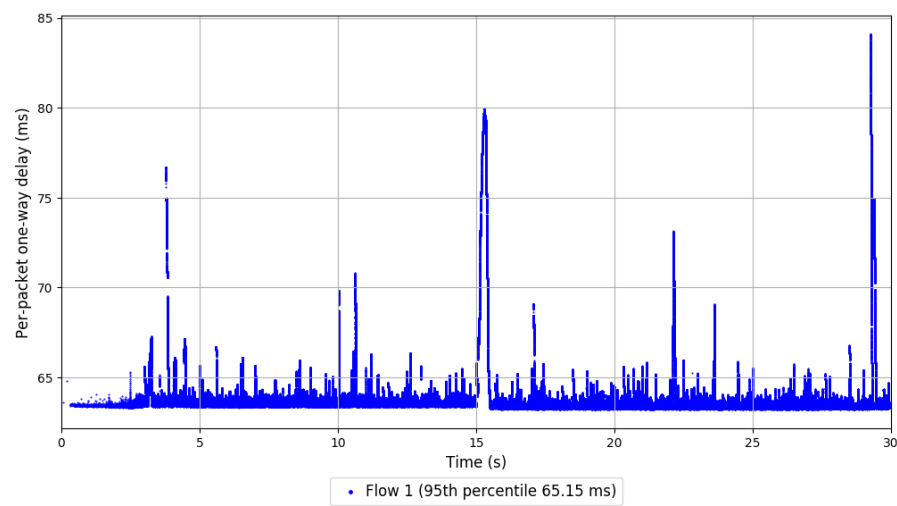
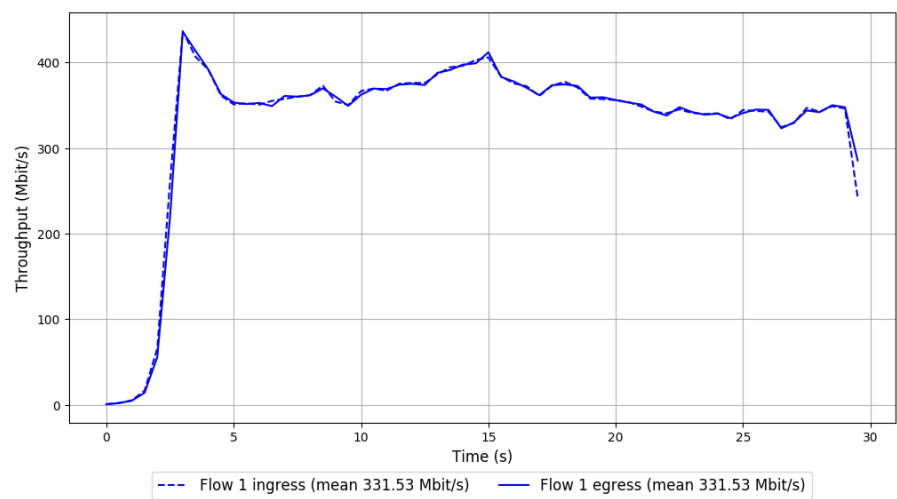
-- Flow 1:

Average throughput: 331.53 Mbit/s

95th percentile per-packet one-way delay: 65.146 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 20:57:03

End at: 2018-04-24 20:57:34

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 21:09:54

End at: 2018-04-24 21:10:24

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 21:22:52

End at: 2018-04-24 21:23:22

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 21:36:04

End at: 2018-04-24 21:36:34

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 21:49:01

End at: 2018-04-24 21:49:31

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 22:01:45

End at: 2018-04-24 22:02:15

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 22:14:45

End at: 2018-04-24 22:15:15

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 22:28:02

End at: 2018-04-24 22:28:32

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 22:40:59

End at: 2018-04-24 22:41:29

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 22:54:11

End at: 2018-04-24 22:54:41

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing