

Pantheon Report

Generated at 2018-04-18 01:17:20 (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.

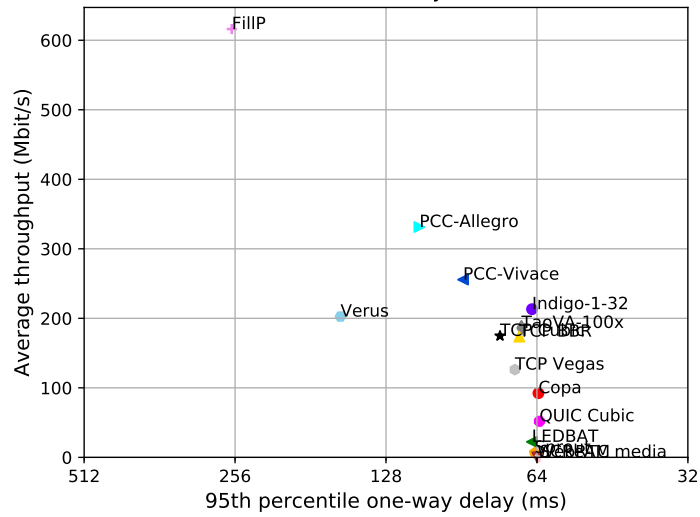
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

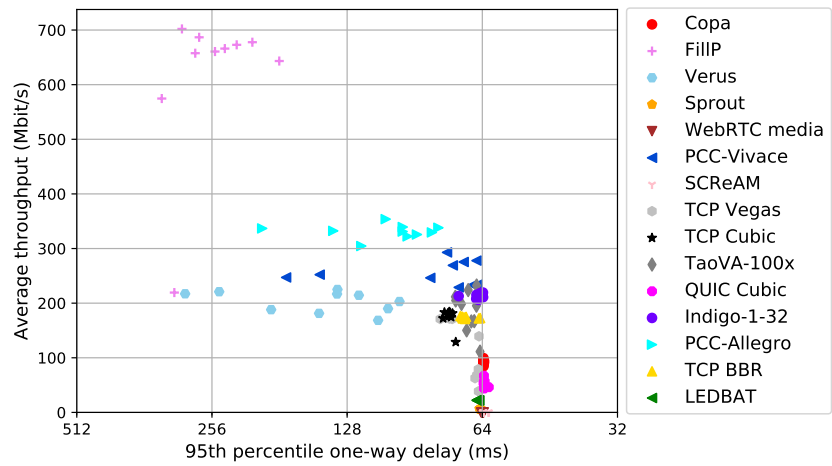
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
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



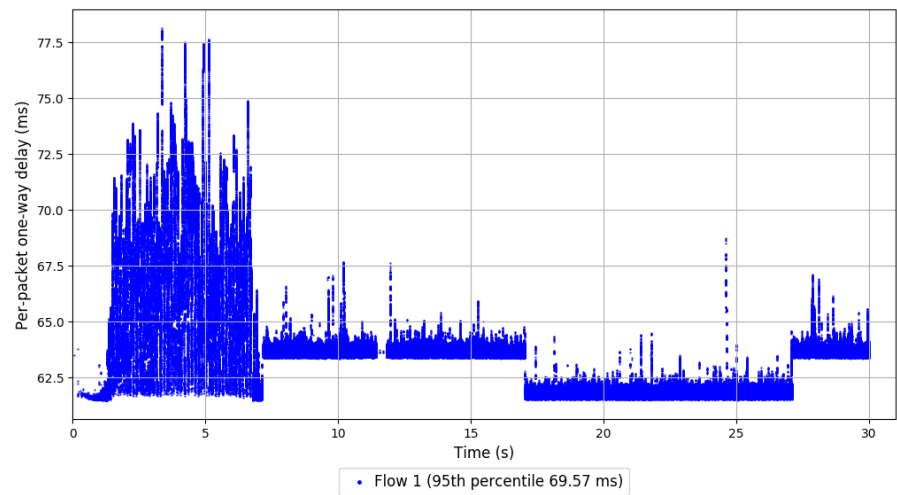
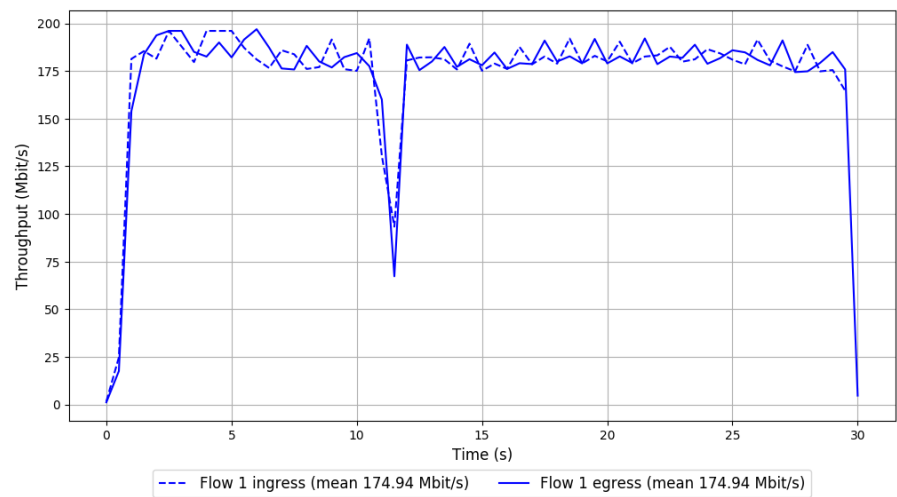
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	173.63	69.42	0.00
TCP Cubic	10	174.74	75.84	0.00
LEDBAT	10	22.27	65.54	0.01
PCC-Allegro	10	331.35	109.81	0.17
QUIC Cubic	10	51.91	63.28	0.01
SCReAM	10	0.22	63.32	0.00
WebRTC media	10	0.06	63.92	0.00
Sprout	10	6.53	64.71	0.00
TaoVA-100x	10	186.19	68.72	0.01
TCP Vegas	10	126.19	70.83	0.00
Verus	10	202.54	157.79	0.76
Copa	10	92.33	63.57	0.00
FillP	10	616.09	259.91	6.53
Indigo-1-32	10	213.18	65.47	0.00
PCC-Vivace	10	255.70	89.86	0.14
PCC-Expr	0	N/A	N/A	N/A

```
Run 1: Statistics of TCP BBR

Start at: 2018-04-17 20:56:12
End at: 2018-04-17 20:56:42

# Below is generated by plot.py at 2018-04-18 00:20:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.94 Mbit/s
95th percentile per-packet one-way delay: 69.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.94 Mbit/s
95th percentile per-packet one-way delay: 69.568 ms
Loss rate: 0.00%
```


Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 21:09:00

End at: 2018-04-17 21:09:30

Below is generated by plot.py at 2018-04-18 00:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.26 Mbit/s

95th percentile per-packet one-way delay: 70.916 ms

Loss rate: 0.00%

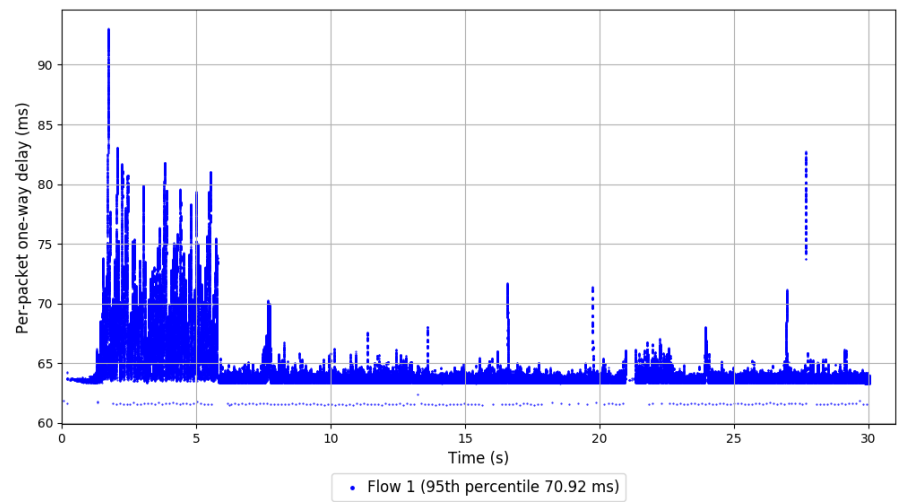
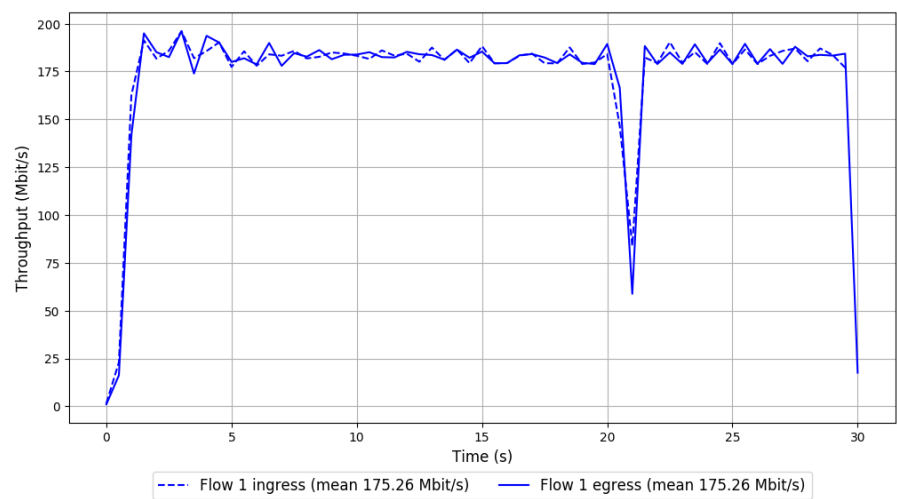
-- Flow 1:

Average throughput: 175.26 Mbit/s

95th percentile per-packet one-way delay: 70.916 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 21:21:54

End at: 2018-04-17 21:22:24

Below is generated by plot.py at 2018-04-18 00:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.18 Mbit/s

95th percentile per-packet one-way delay: 70.287 ms

Loss rate: 0.00%

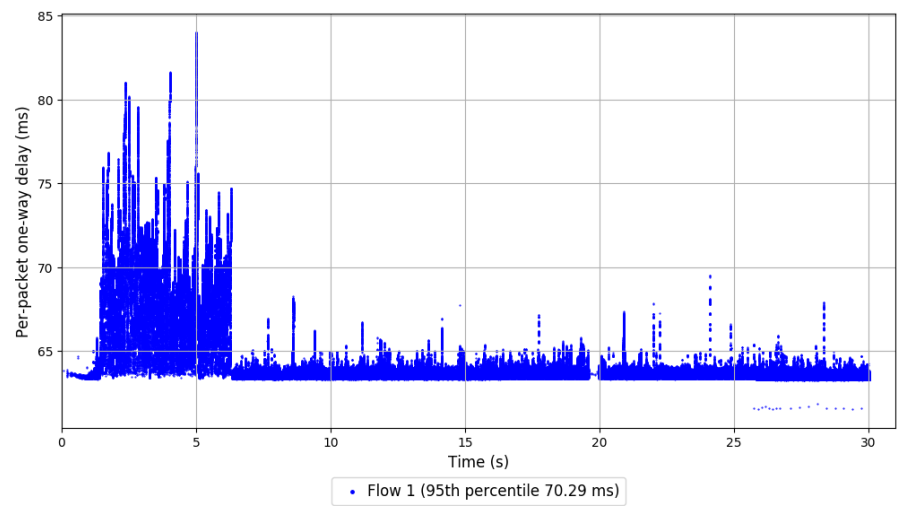
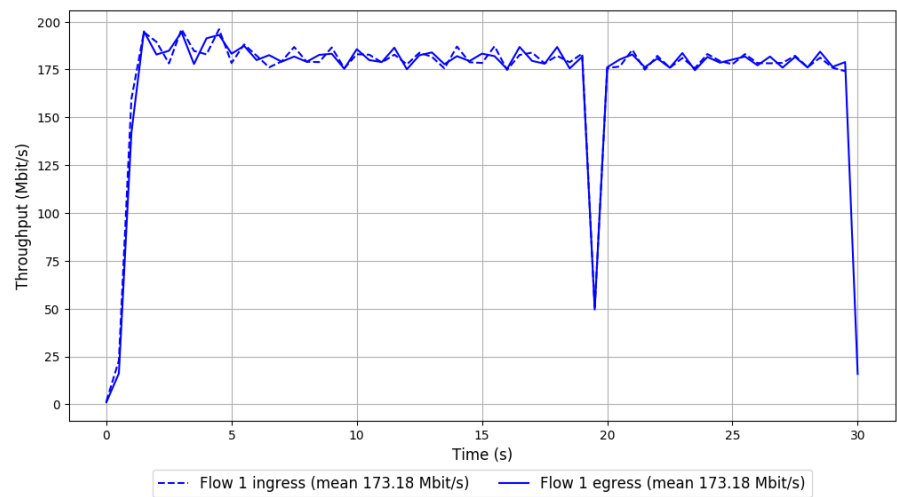
-- Flow 1:

Average throughput: 173.18 Mbit/s

95th percentile per-packet one-way delay: 70.287 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 21:34:54

End at: 2018-04-17 21:35:24

Below is generated by plot.py at 2018-04-18 00:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.75 Mbit/s

95th percentile per-packet one-way delay: 64.707 ms

Loss rate: 0.00%

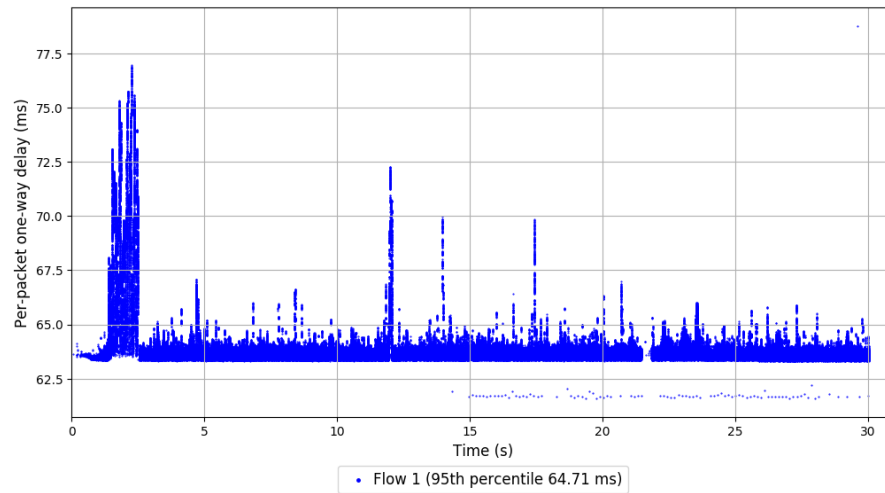
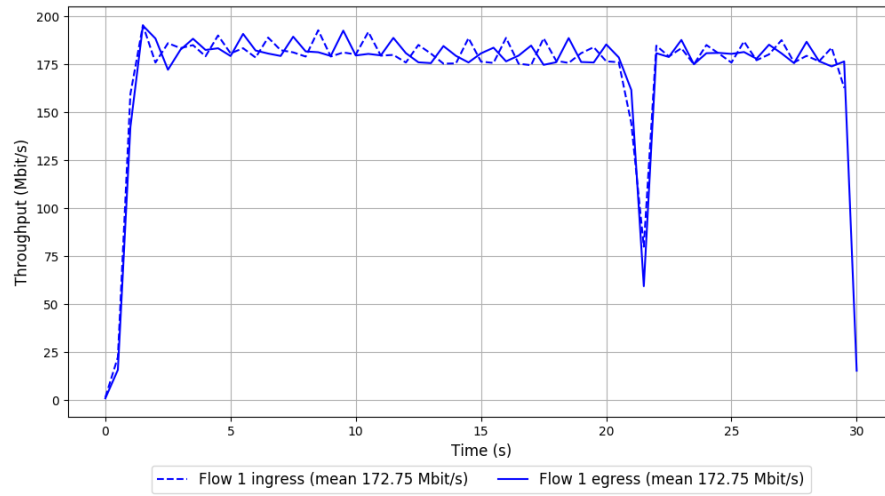
-- Flow 1:

Average throughput: 172.75 Mbit/s

95th percentile per-packet one-way delay: 64.707 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 21:47:48

End at: 2018-04-17 21:48:18

Below is generated by plot.py at 2018-04-18 00:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.97 Mbit/s

95th percentile per-packet one-way delay: 70.297 ms

Loss rate: 0.01%

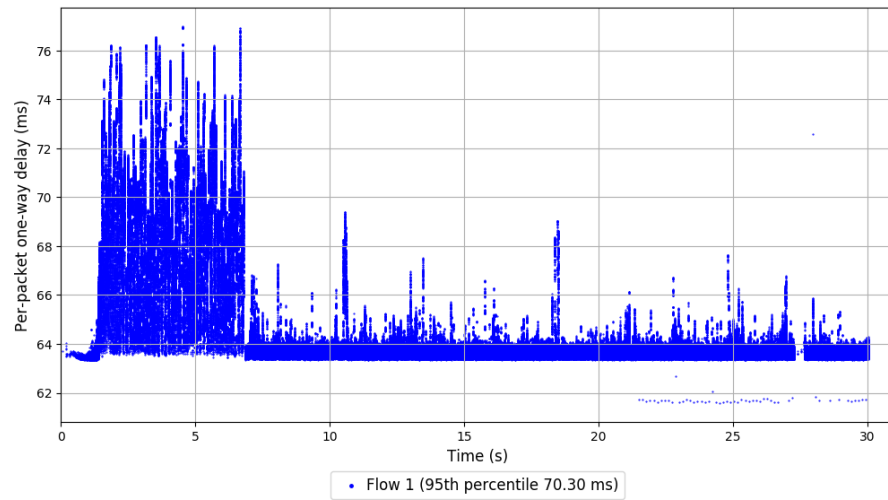
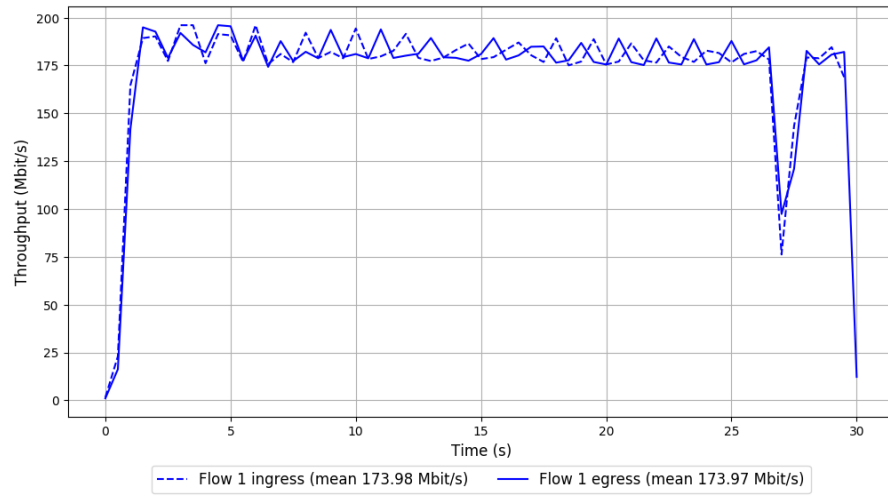
-- Flow 1:

Average throughput: 173.97 Mbit/s

95th percentile per-packet one-way delay: 70.297 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 22:00:40

End at: 2018-04-17 22:01:10

Below is generated by plot.py at 2018-04-18 00:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.09 Mbit/s

95th percentile per-packet one-way delay: 69.930 ms

Loss rate: 0.00%

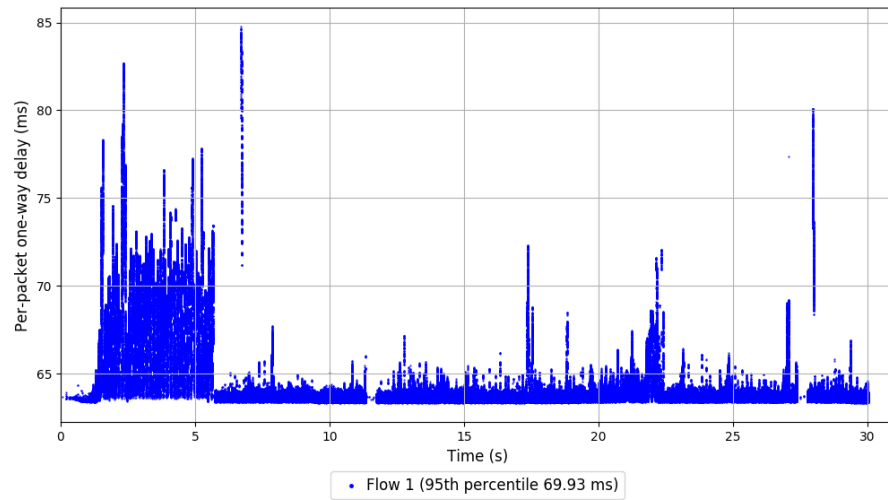
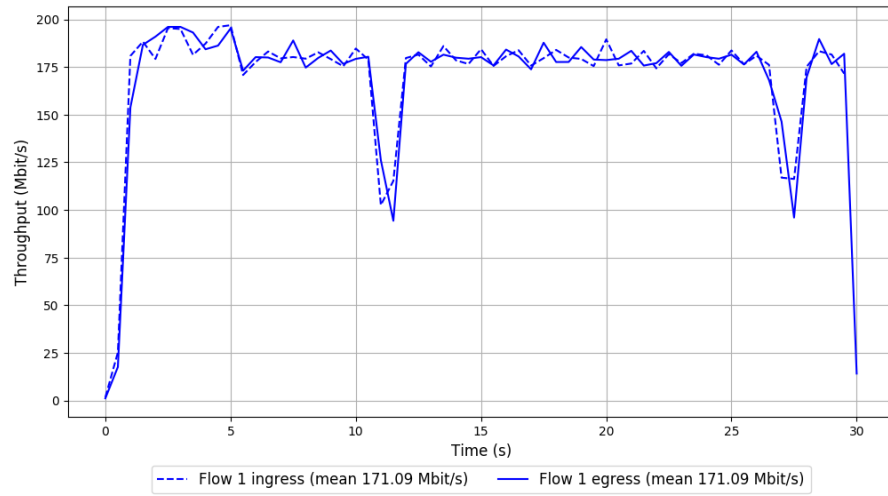
-- Flow 1:

Average throughput: 171.09 Mbit/s

95th percentile per-packet one-way delay: 69.930 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 22:13:35

End at: 2018-04-17 22:14:05

Below is generated by plot.py at 2018-04-18 00:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.13 Mbit/s

95th percentile per-packet one-way delay: 65.162 ms

Loss rate: 0.00%

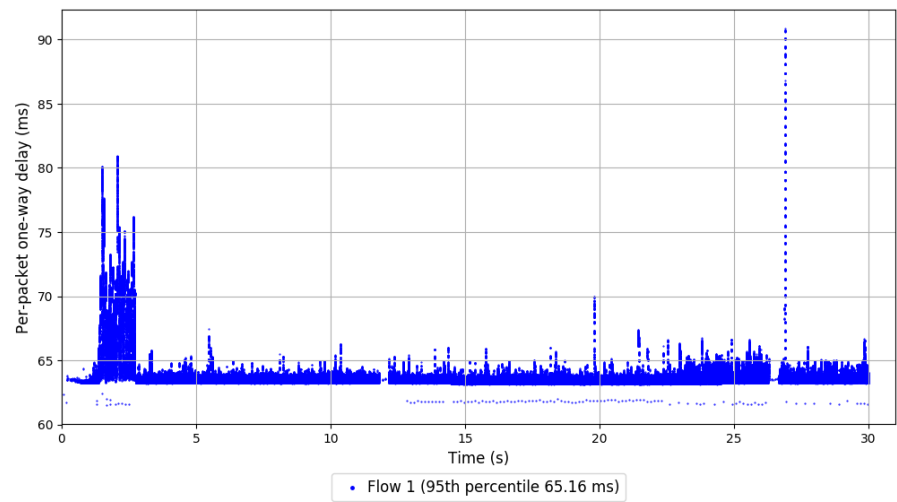
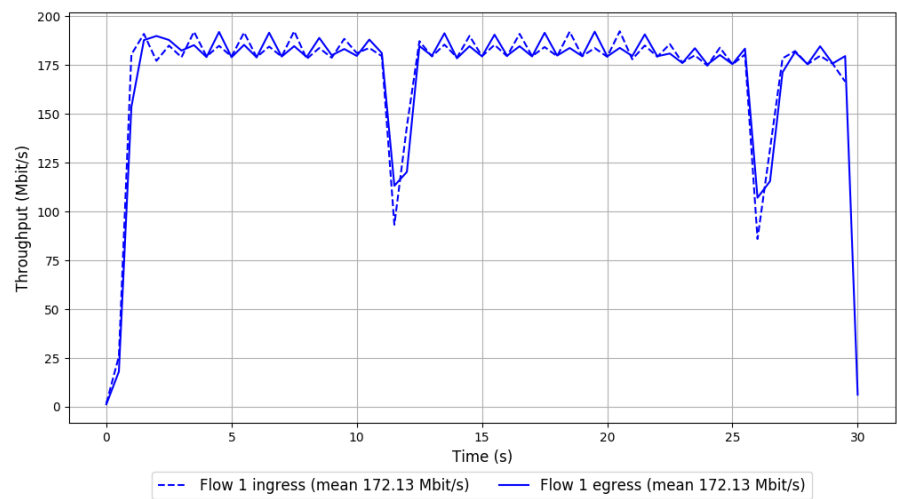
-- Flow 1:

Average throughput: 172.13 Mbit/s

95th percentile per-packet one-way delay: 65.162 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 22:26:45

End at: 2018-04-17 22:27:15

Below is generated by plot.py at 2018-04-18 00:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.01 Mbit/s

95th percentile per-packet one-way delay: 70.722 ms

Loss rate: 0.00%

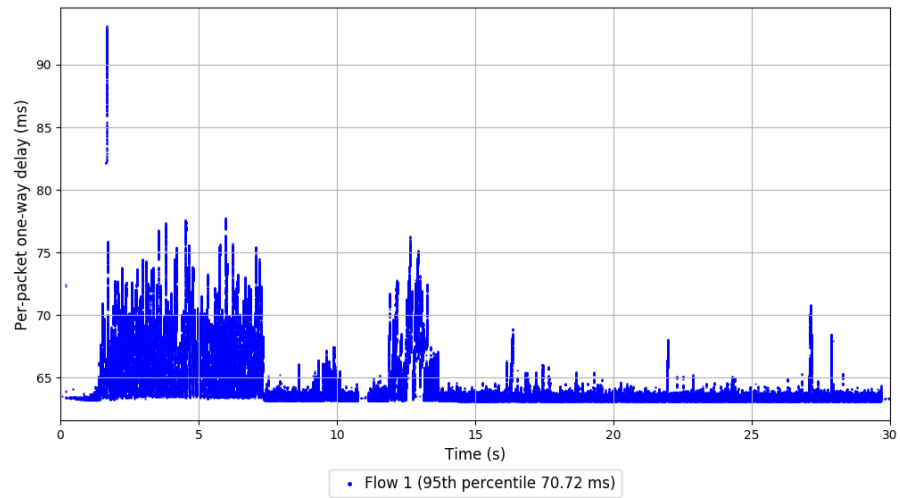
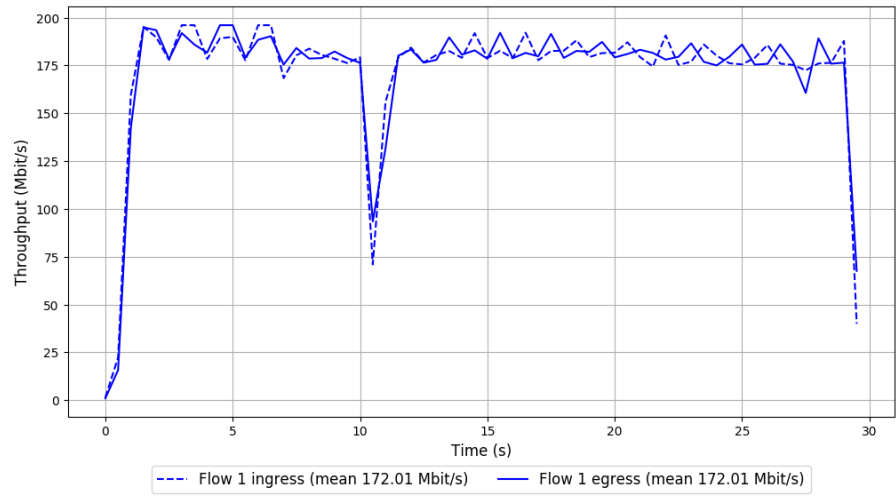
-- Flow 1:

Average throughput: 172.01 Mbit/s

95th percentile per-packet one-way delay: 70.722 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 22:39:54

End at: 2018-04-17 22:40:24

Below is generated by plot.py at 2018-04-18 00:23:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.28 Mbit/s

95th percentile per-packet one-way delay: 71.023 ms

Loss rate: 0.01%

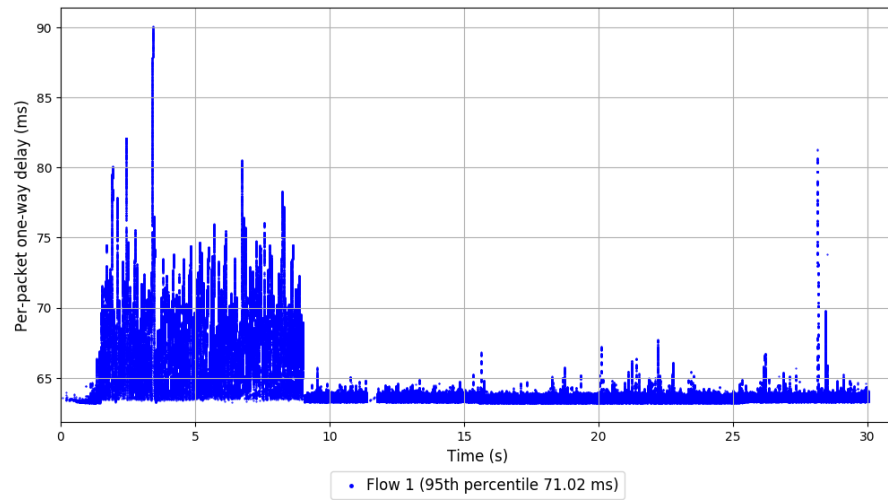
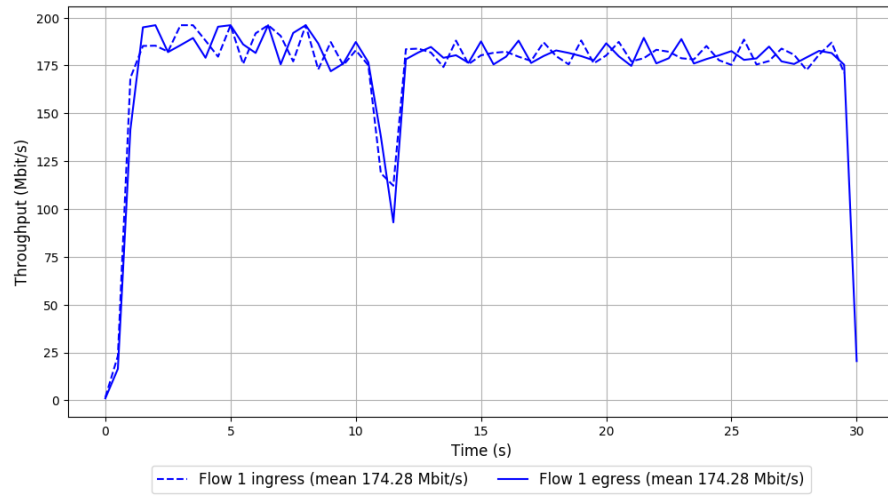
-- Flow 1:

Average throughput: 174.28 Mbit/s

95th percentile per-packet one-way delay: 71.023 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 22:53:00

End at: 2018-04-17 22:53:30

Below is generated by plot.py at 2018-04-18 00:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.65 Mbit/s

95th percentile per-packet one-way delay: 71.589 ms

Loss rate: 0.00%

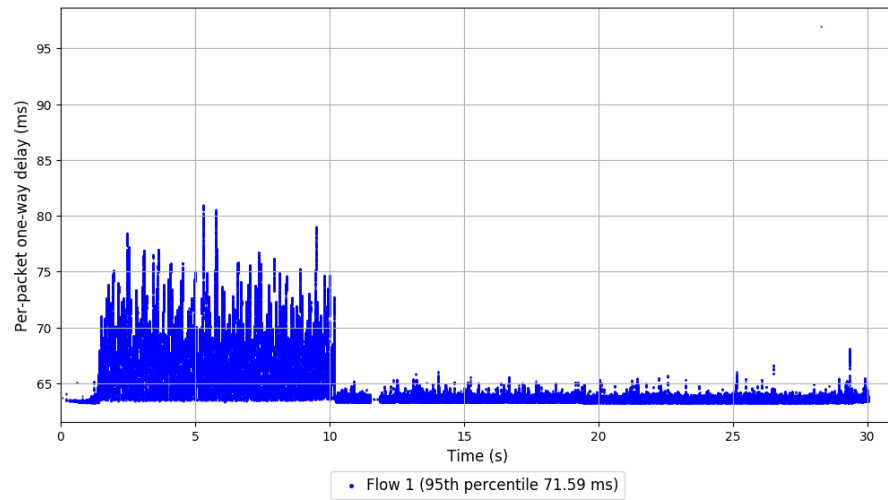
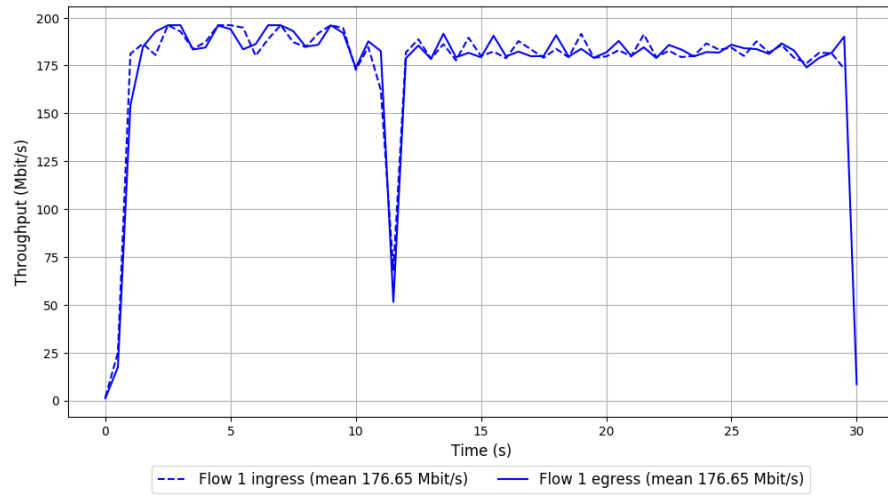
-- Flow 1:

Average throughput: 176.65 Mbit/s

95th percentile per-packet one-way delay: 71.589 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 21:07:36

End at: 2018-04-17 21:08:06

Below is generated by plot.py at 2018-04-18 00:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.16 Mbit/s

95th percentile per-packet one-way delay: 78.249 ms

Loss rate: 0.00%

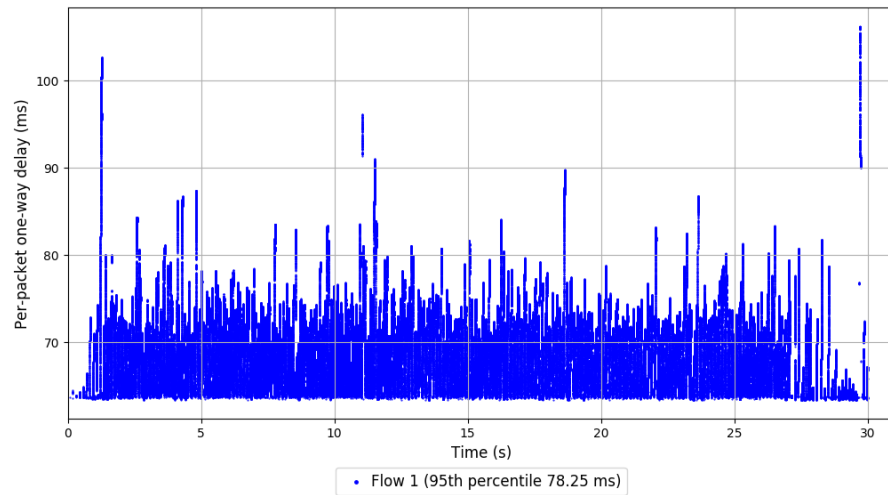
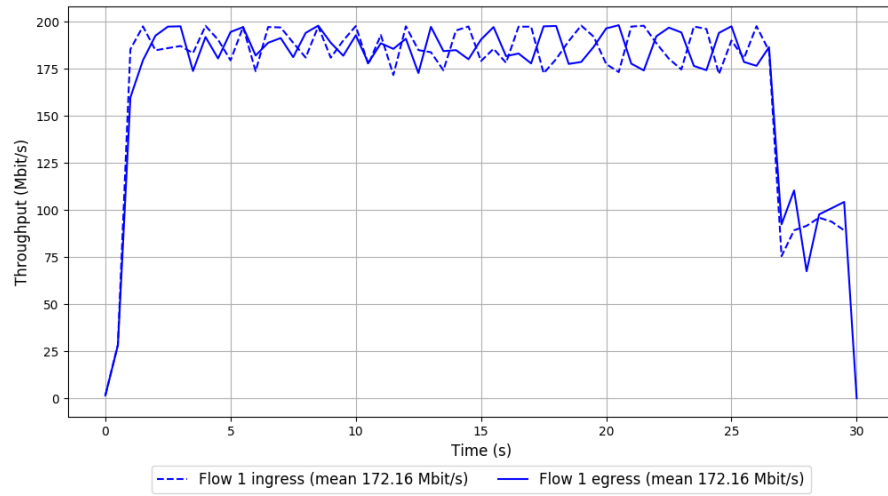
-- Flow 1:

Average throughput: 172.16 Mbit/s

95th percentile per-packet one-way delay: 78.249 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 21:20:31

End at: 2018-04-17 21:21:01

Below is generated by plot.py at 2018-04-18 00:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.86 Mbit/s

95th percentile per-packet one-way delay: 73.346 ms

Loss rate: 0.00%

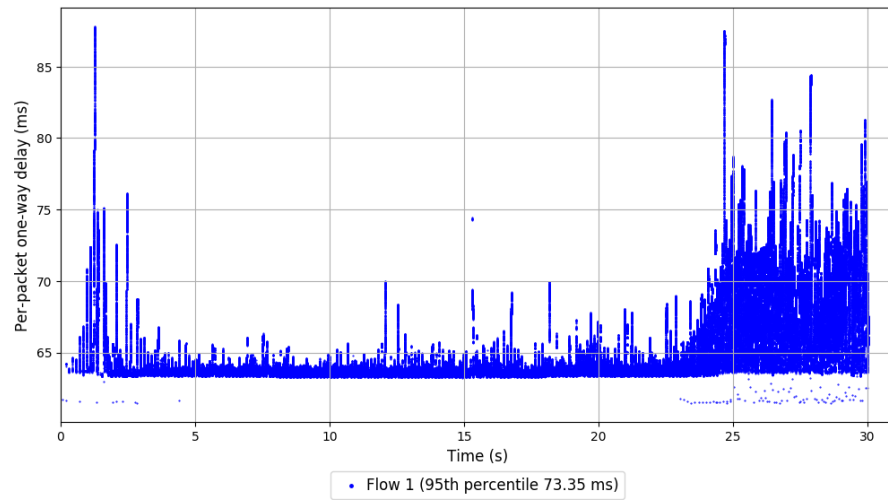
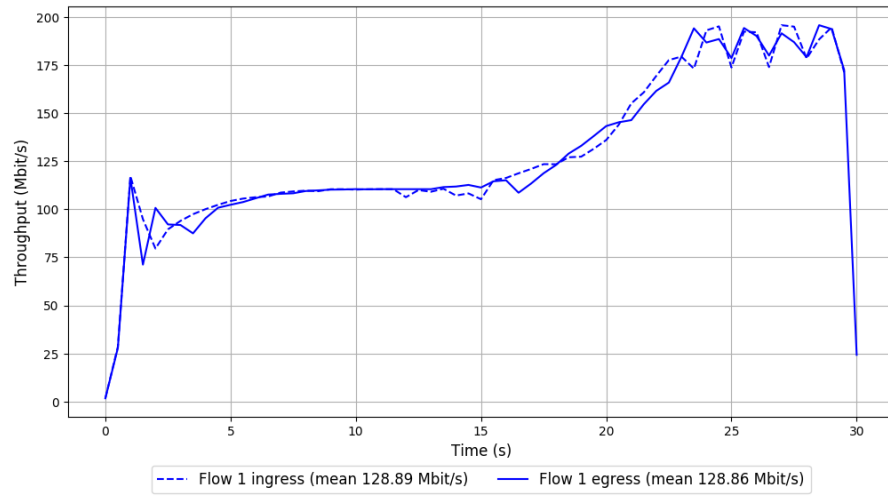
-- Flow 1:

Average throughput: 128.86 Mbit/s

95th percentile per-packet one-way delay: 73.346 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 21:33:29

End at: 2018-04-17 21:33:59

Below is generated by plot.py at 2018-04-18 00:23:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.11 Mbit/s

95th percentile per-packet one-way delay: 77.716 ms

Loss rate: 0.04%

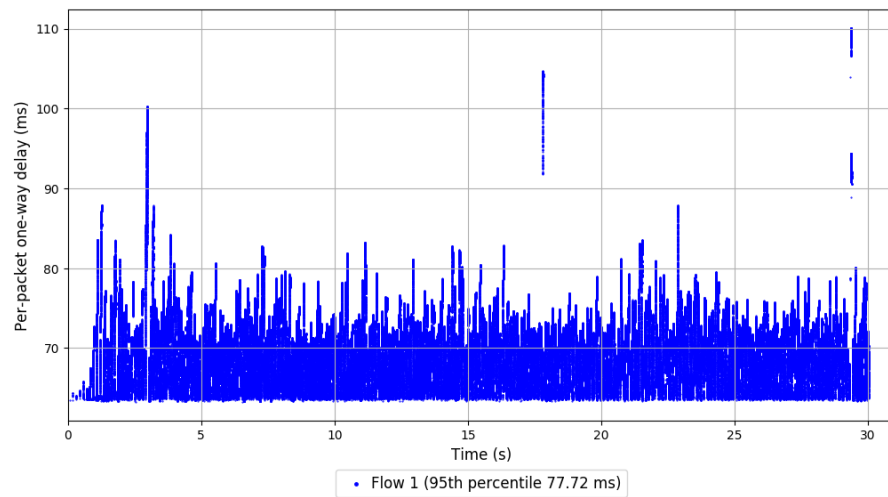
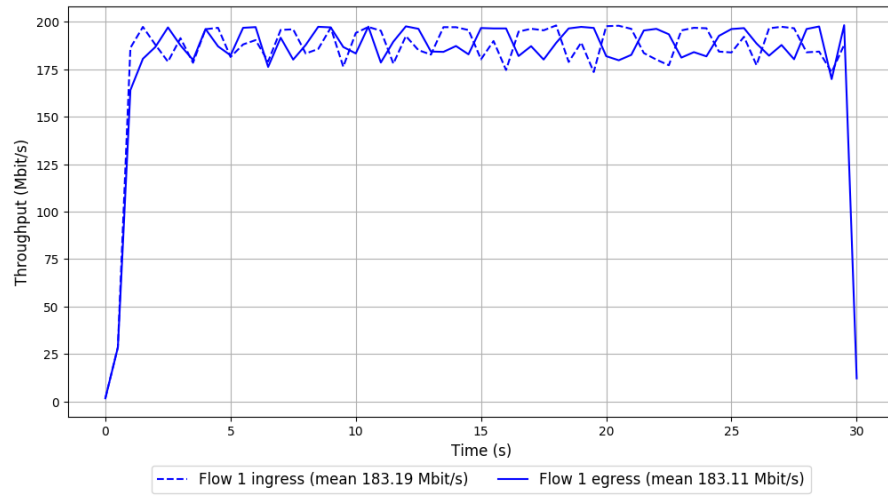
-- Flow 1:

Average throughput: 183.11 Mbit/s

95th percentile per-packet one-way delay: 77.716 ms

Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 21:46:23

End at: 2018-04-17 21:46:53

Below is generated by plot.py at 2018-04-18 00:23:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.40 Mbit/s

95th percentile per-packet one-way delay: 76.387 ms

Loss rate: 0.00%

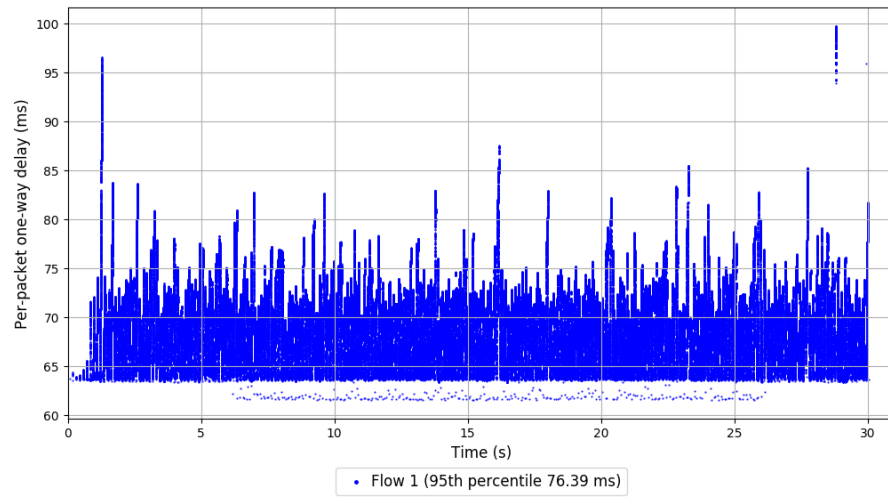
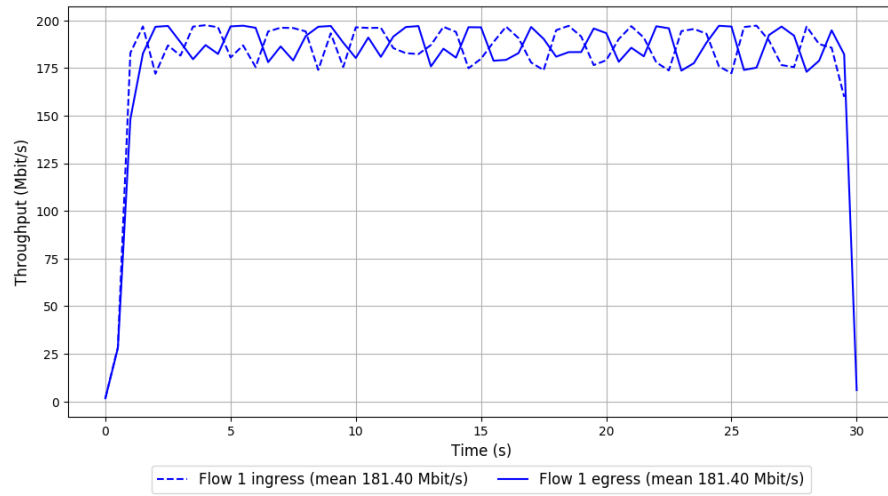
-- Flow 1:

Average throughput: 181.40 Mbit/s

95th percentile per-packet one-way delay: 76.387 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 21:59:16

End at: 2018-04-17 21:59:46

Below is generated by plot.py at 2018-04-18 00:23:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.73 Mbit/s

95th percentile per-packet one-way delay: 75.871 ms

Loss rate: 0.00%

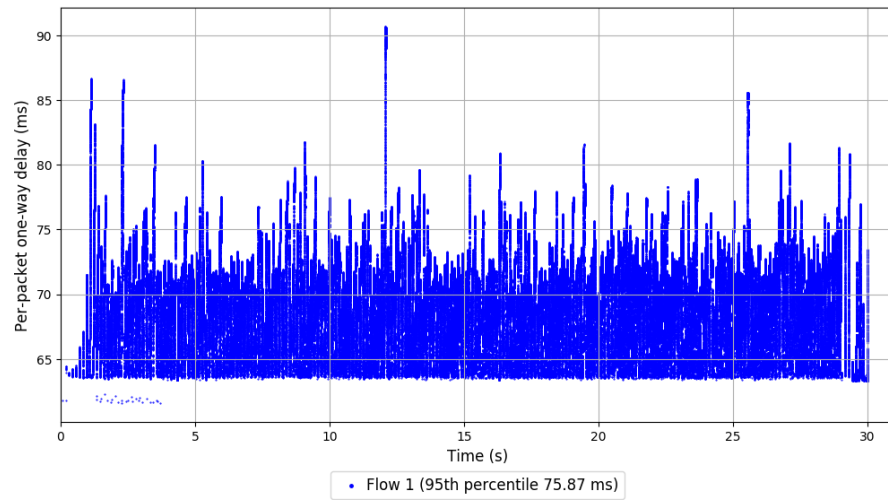
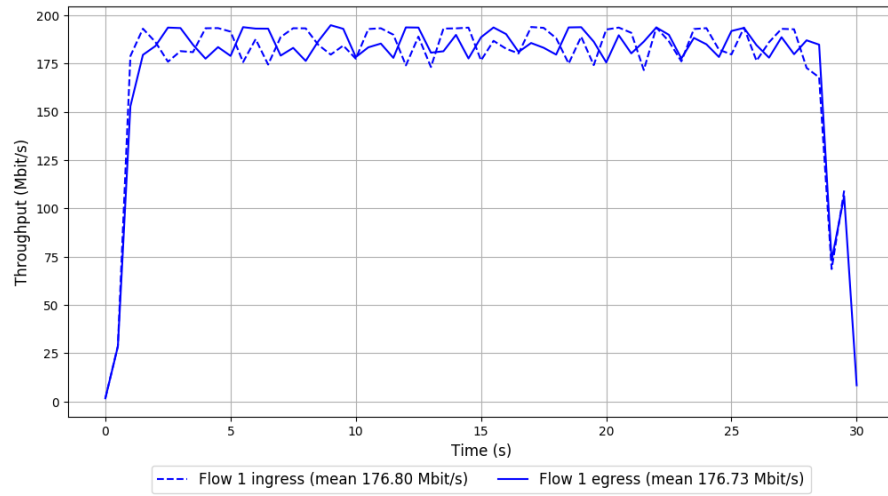
-- Flow 1:

Average throughput: 176.73 Mbit/s

95th percentile per-packet one-way delay: 75.871 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 22:12:10

End at: 2018-04-17 22:12:40

Below is generated by plot.py at 2018-04-18 00:23:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.89 Mbit/s

95th percentile per-packet one-way delay: 75.824 ms

Loss rate: 0.00%

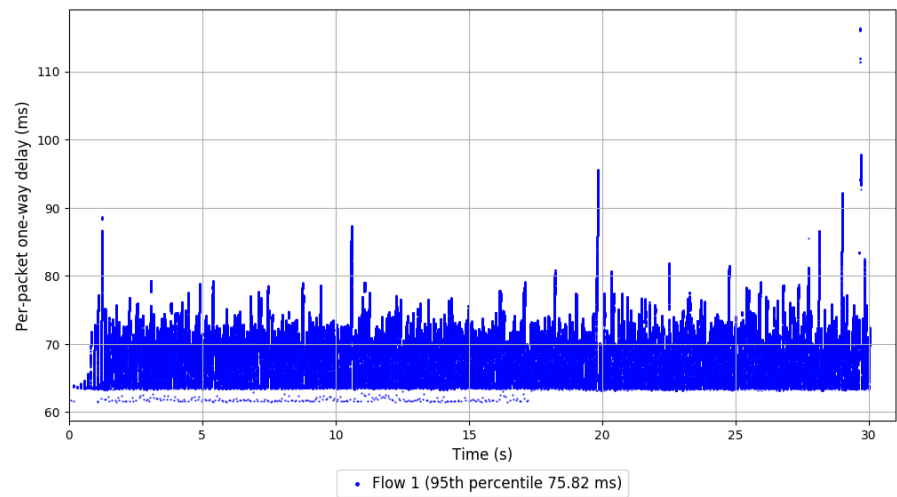
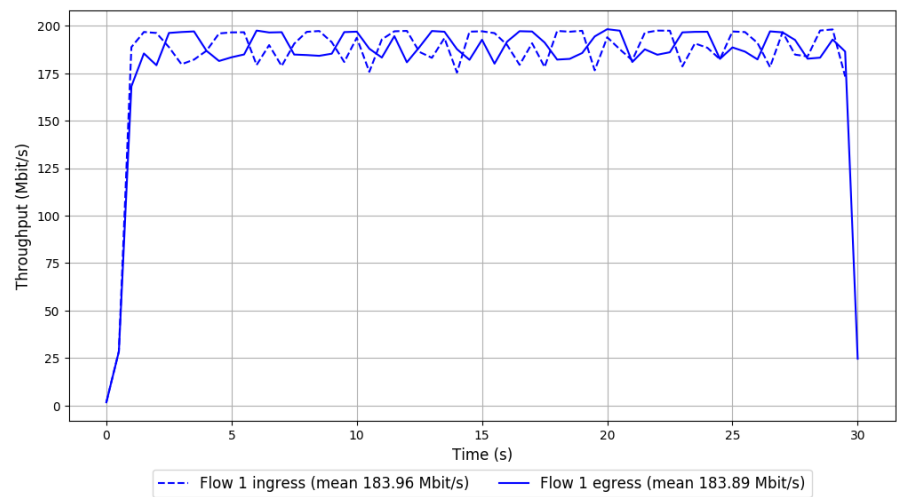
-- Flow 1:

Average throughput: 183.89 Mbit/s

95th percentile per-packet one-way delay: 75.824 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 22:25:21

End at: 2018-04-17 22:25:51

Below is generated by plot.py at 2018-04-18 00:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.28 Mbit/s

95th percentile per-packet one-way delay: 74.586 ms

Loss rate: 0.00%

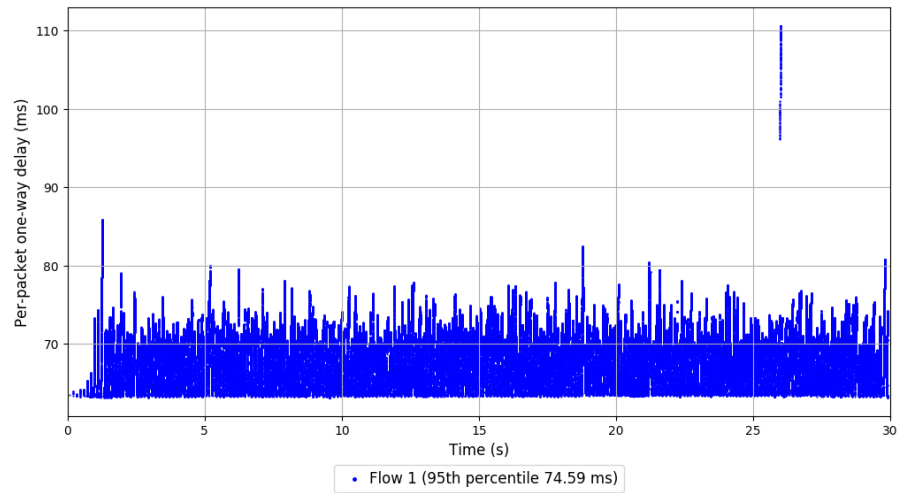
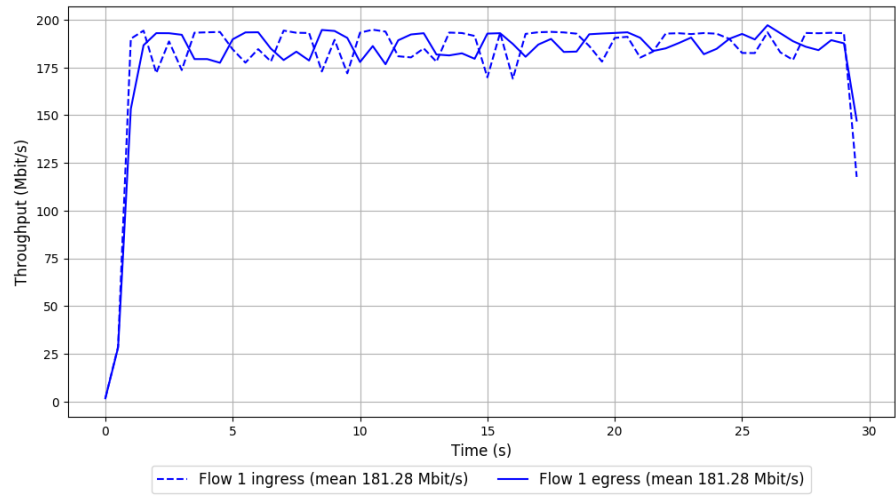
-- Flow 1:

Average throughput: 181.28 Mbit/s

95th percentile per-packet one-way delay: 74.586 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 22:38:29

End at: 2018-04-17 22:39:00

Below is generated by plot.py at 2018-04-18 00:26:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.02 Mbit/s

95th percentile per-packet one-way delay: 75.626 ms

Loss rate: 0.00%

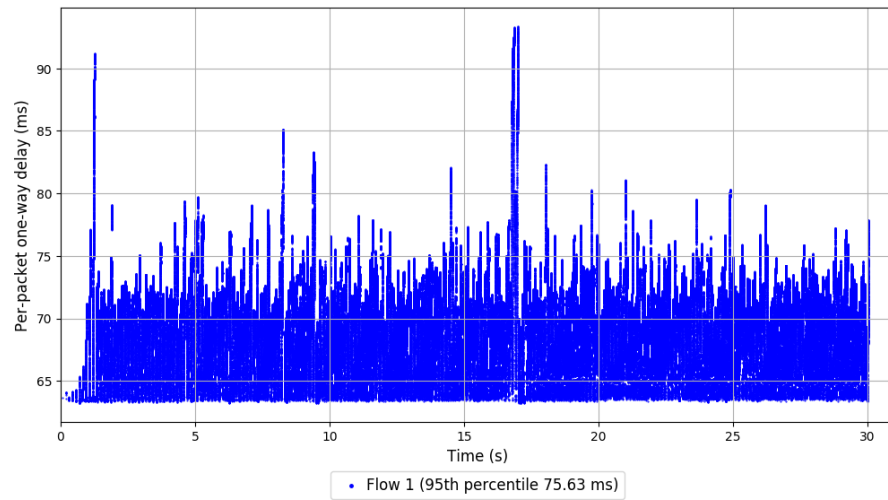
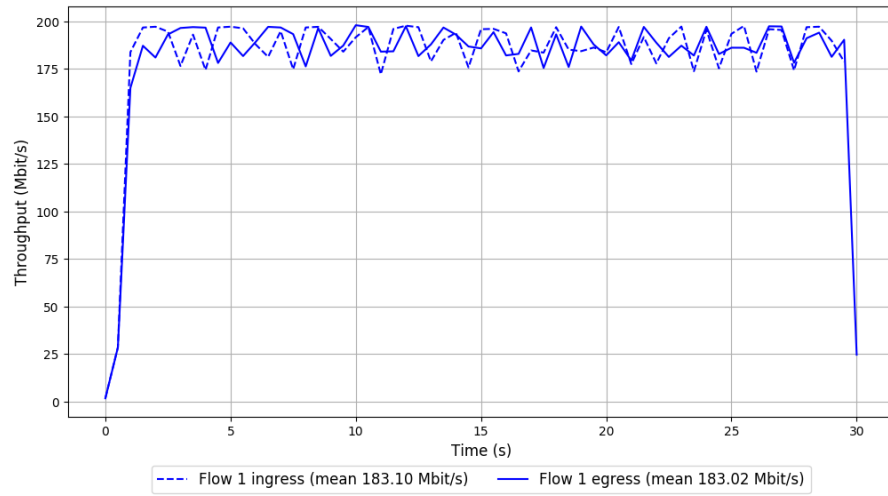
-- Flow 1:

Average throughput: 183.02 Mbit/s

95th percentile per-packet one-way delay: 75.626 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 22:51:36

End at: 2018-04-17 22:52:06

Below is generated by plot.py at 2018-04-18 00:26:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.52 Mbit/s

95th percentile per-packet one-way delay: 75.097 ms

Loss rate: 0.00%

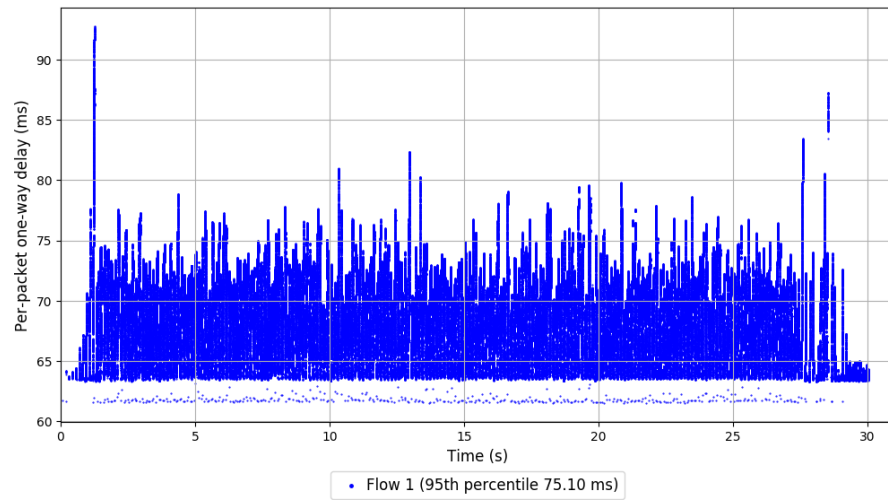
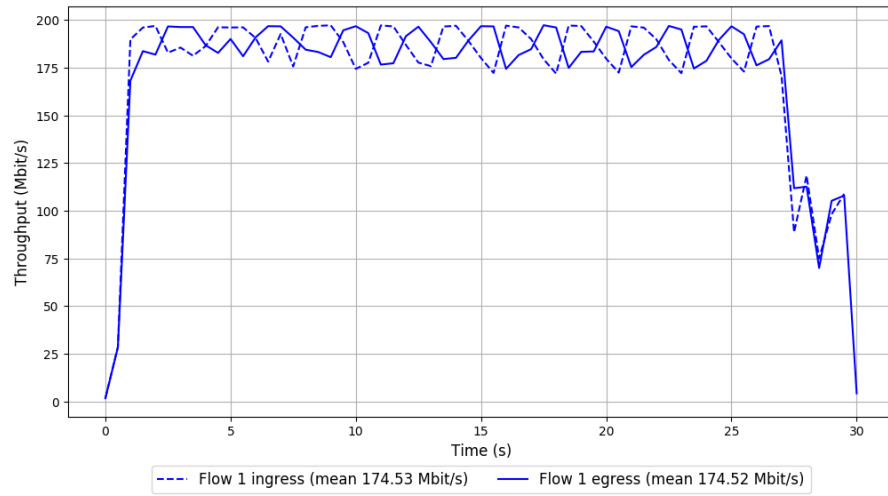
-- Flow 1:

Average throughput: 174.52 Mbit/s

95th percentile per-packet one-way delay: 75.097 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 23:04:38

End at: 2018-04-17 23:05:09

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.47 Mbit/s

95th percentile per-packet one-way delay: 75.676 ms

Loss rate: 0.00%

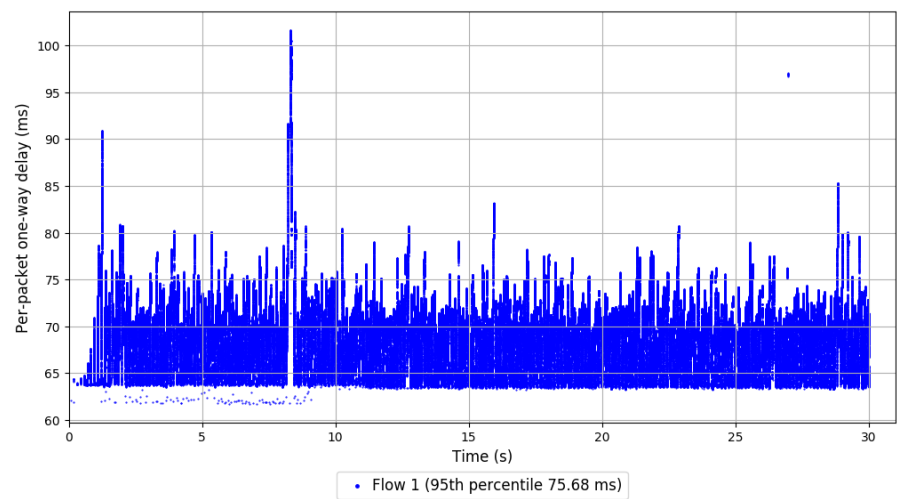
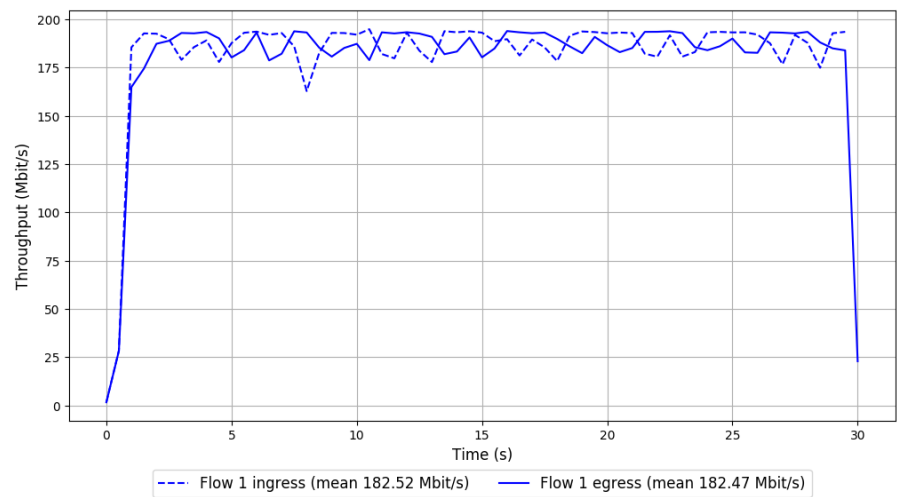
-- Flow 1:

Average throughput: 182.47 Mbit/s

95th percentile per-packet one-way delay: 75.676 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

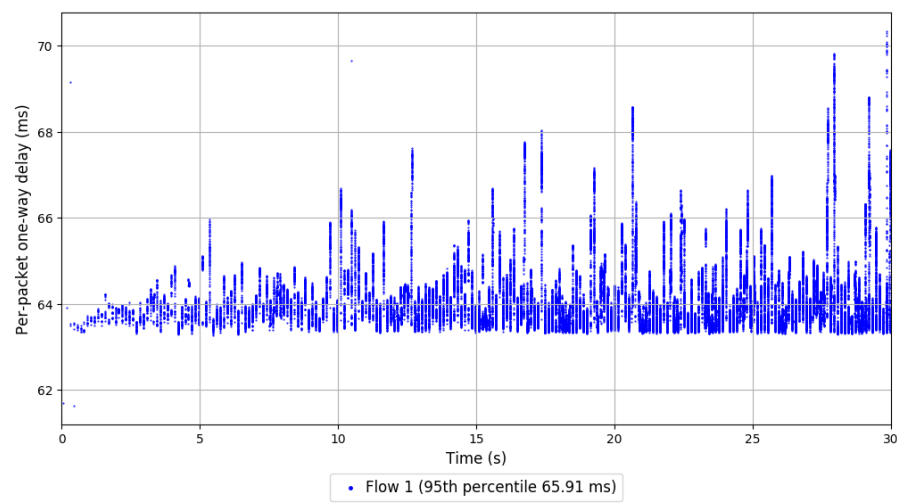
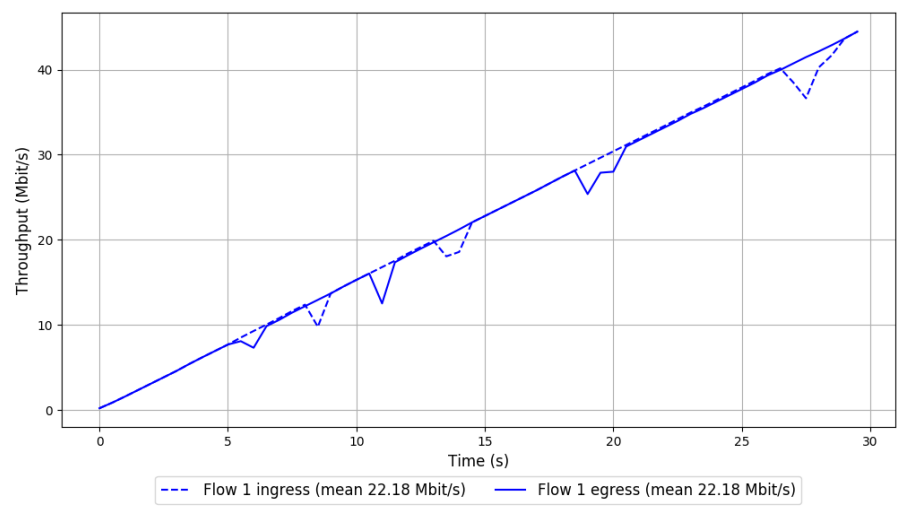


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 21:05:13
End at: 2018-04-17 21:05:43

# Below is generated by plot.py at 2018-04-18 00:26:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 65.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 65.910 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

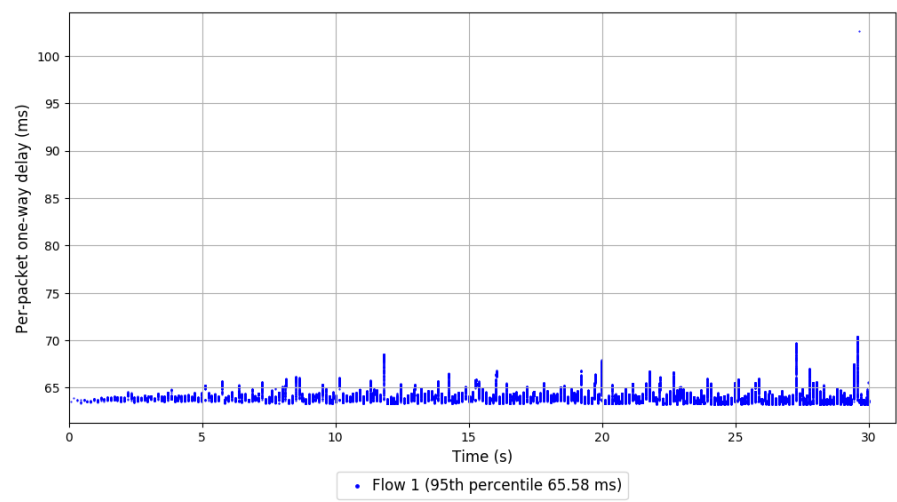
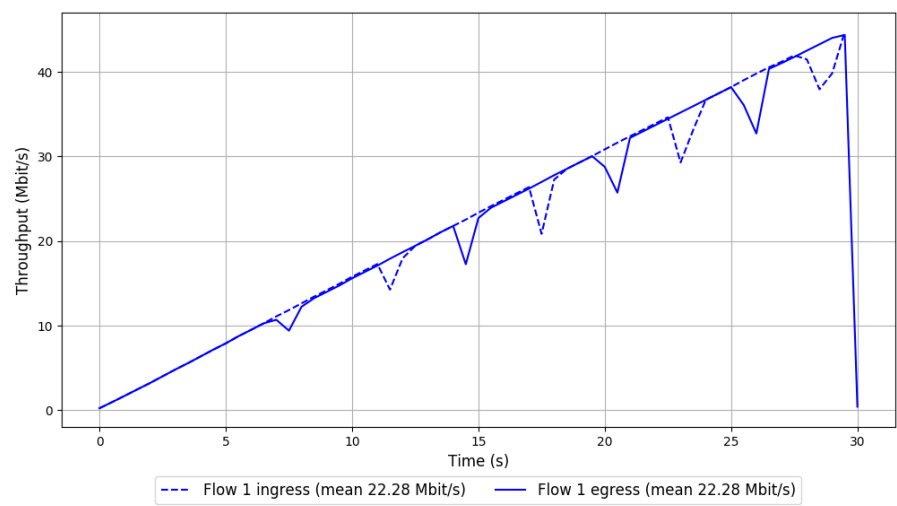


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-17 21:18:08
End at: 2018-04-17 21:18:38

# Below is generated by plot.py at 2018-04-18 00:26:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 65.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 65.577 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-17 21:31:03

End at: 2018-04-17 21:31:33

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.48 Mbit/s

95th percentile per-packet one-way delay: 65.672 ms

Loss rate: 0.00%

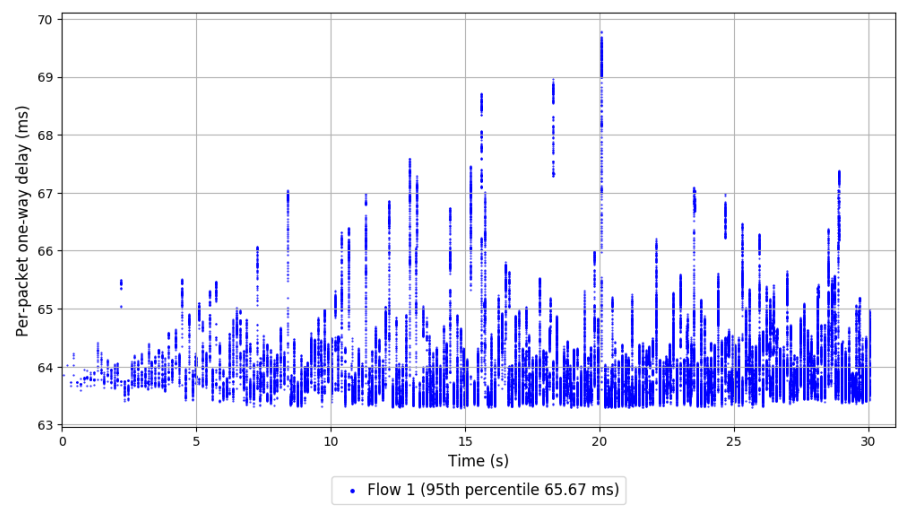
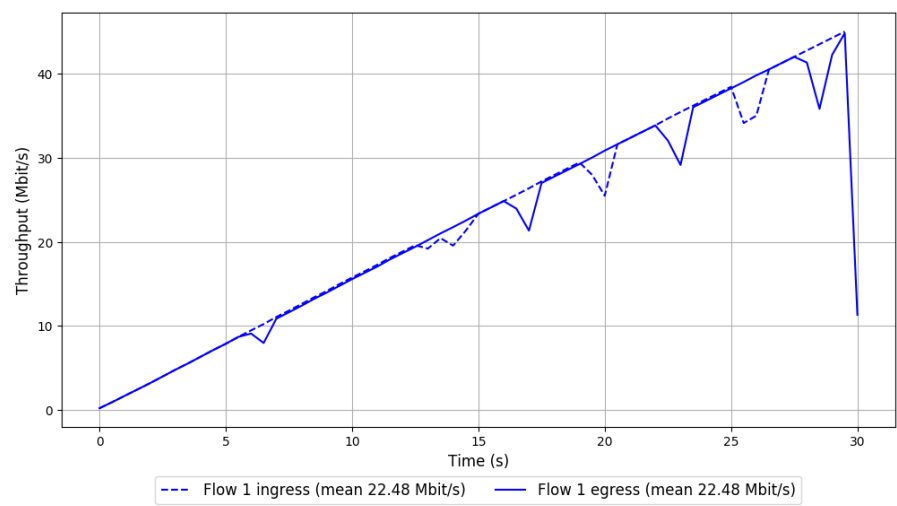
-- Flow 1:

Average throughput: 22.48 Mbit/s

95th percentile per-packet one-way delay: 65.672 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-17 21:44:00

End at: 2018-04-17 21:44:30

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 65.667 ms

Loss rate: 0.00%

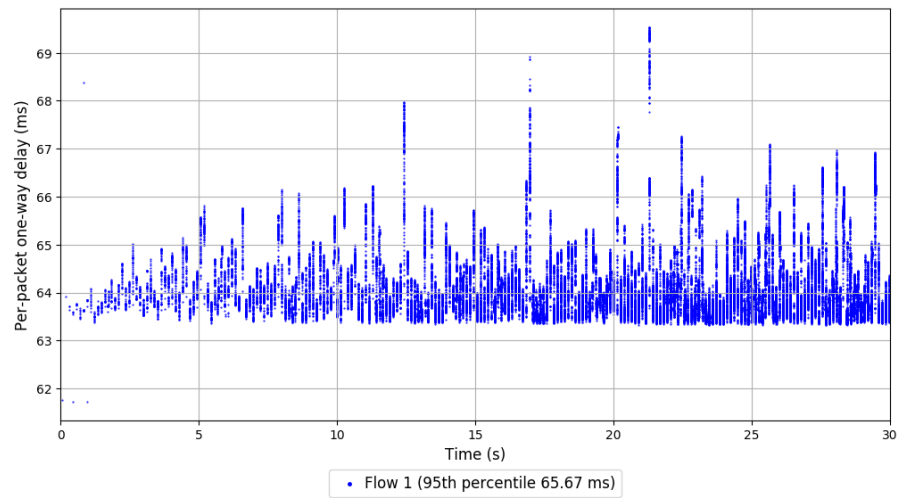
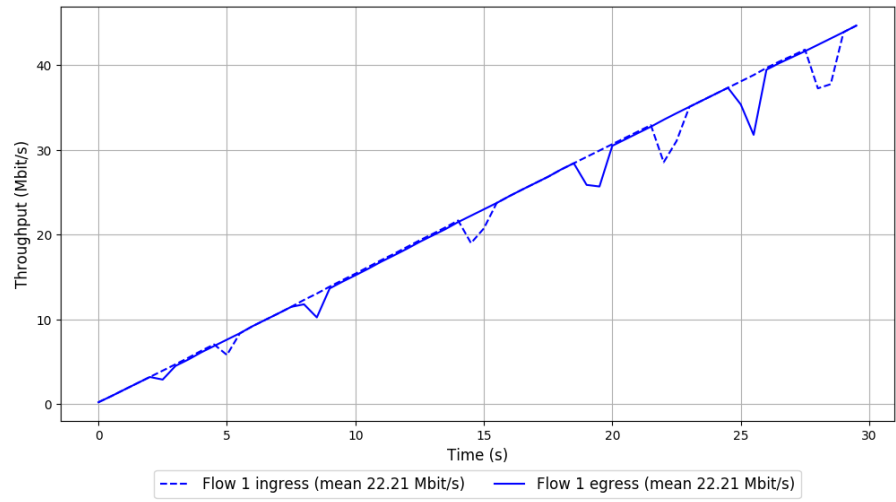
-- Flow 1:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 65.667 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 21:56:52

End at: 2018-04-17 21:57:23

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.40 Mbit/s

95th percentile per-packet one-way delay: 65.630 ms

Loss rate: 0.00%

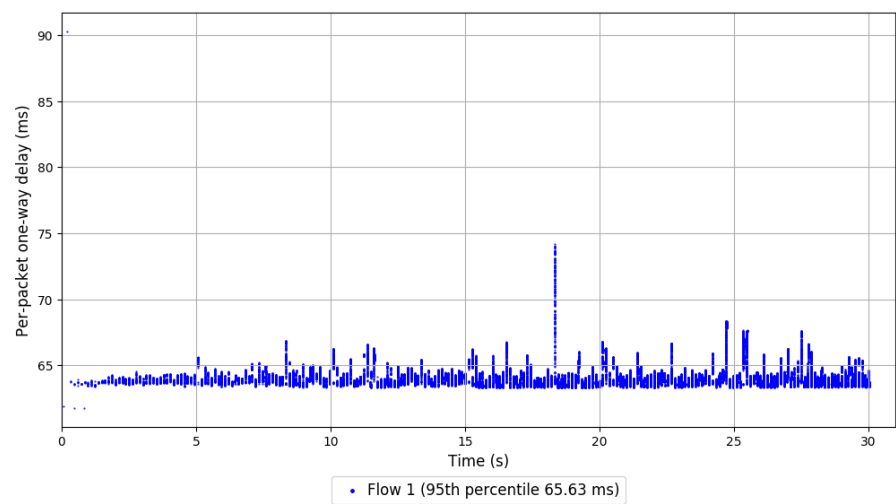
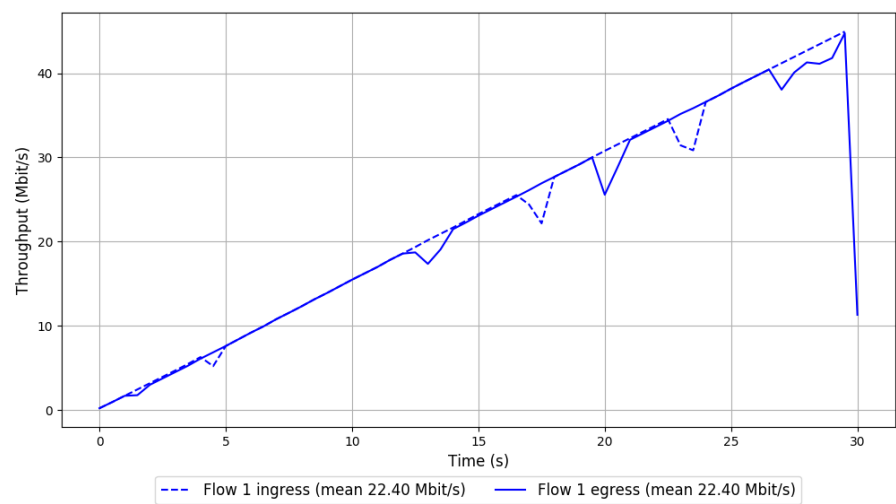
-- Flow 1:

Average throughput: 22.40 Mbit/s

95th percentile per-packet one-way delay: 65.630 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 22:09:47

End at: 2018-04-17 22:10:17

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 65.195 ms

Loss rate: 0.00%

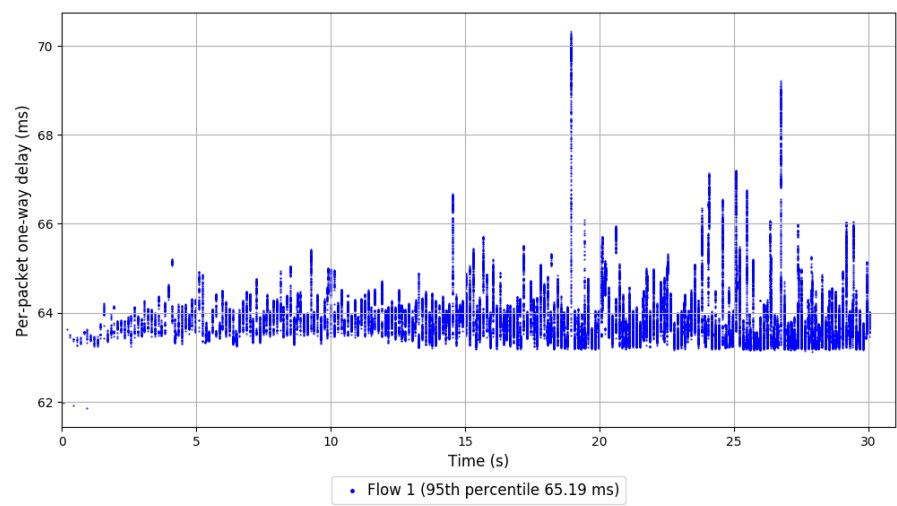
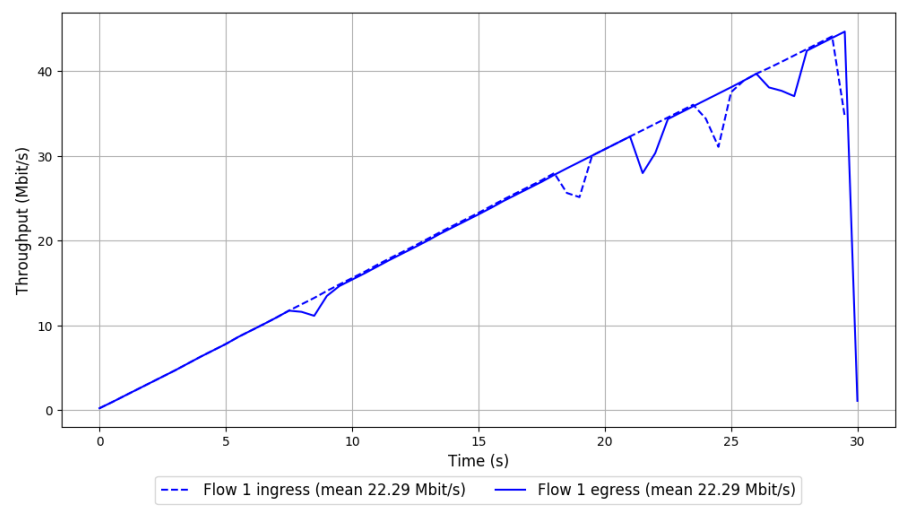
-- Flow 1:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 65.195 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 22:22:55

End at: 2018-04-17 22:23:25

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 65.627 ms

Loss rate: 0.00%

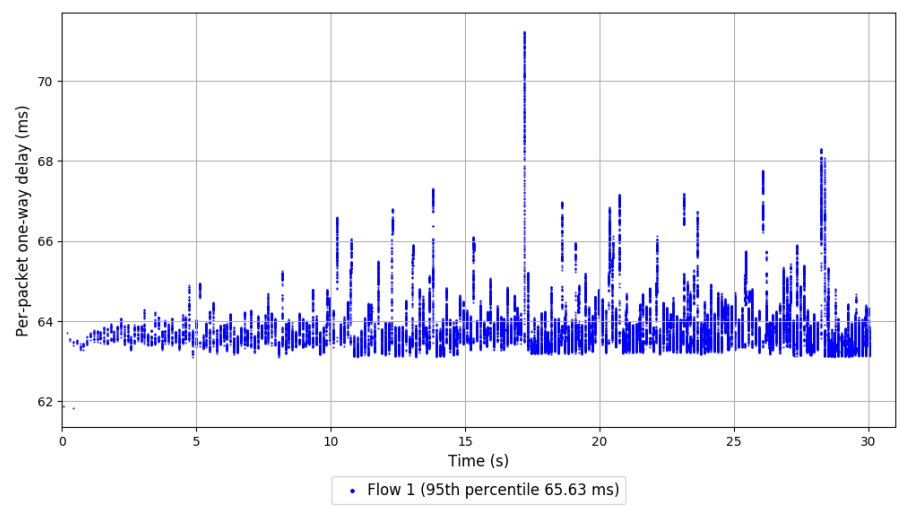
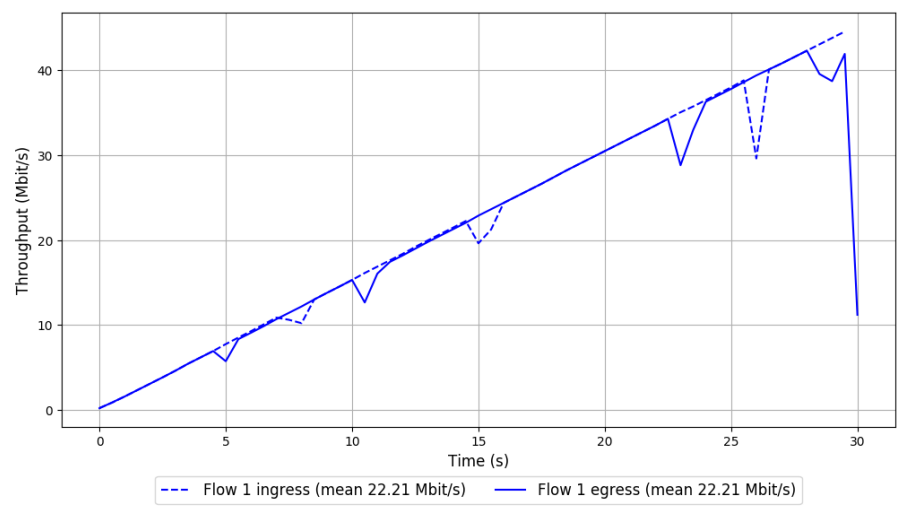
-- Flow 1:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 65.627 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-17 22:36:03

End at: 2018-04-17 22:36:33

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 65.826 ms

Loss rate: 0.00%

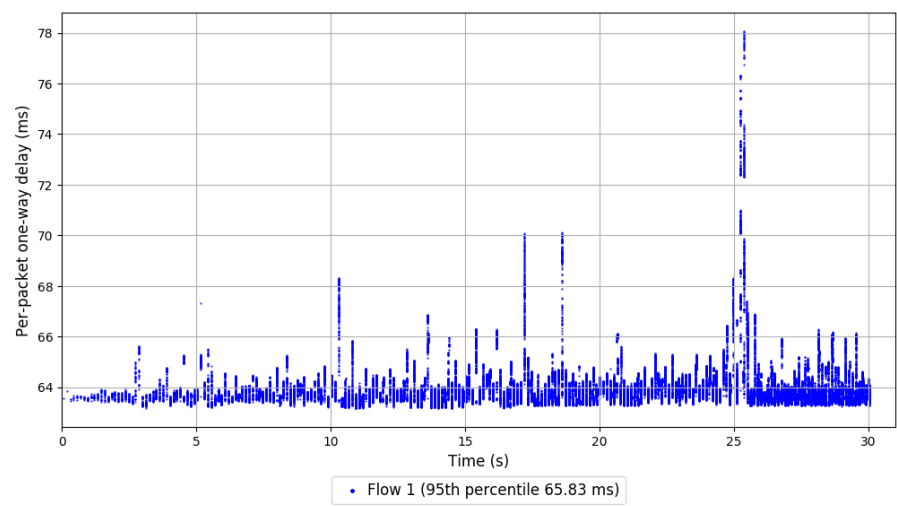
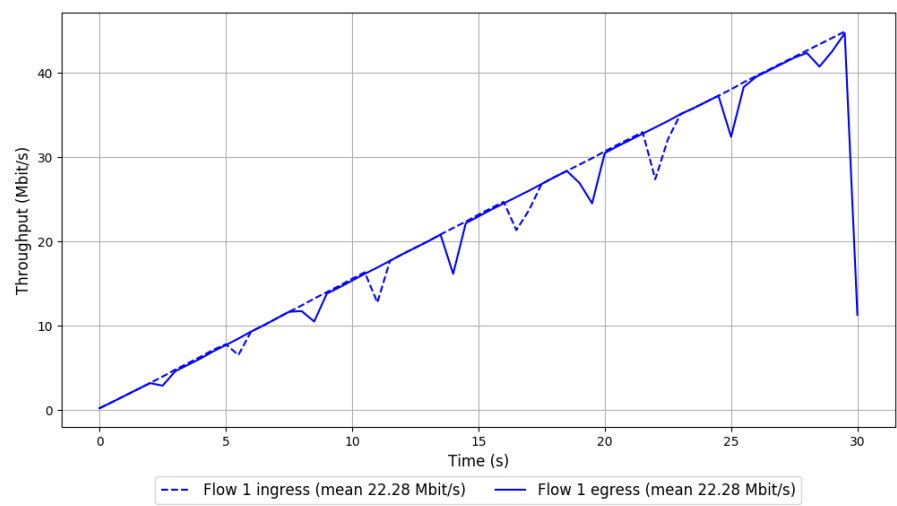
-- Flow 1:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 65.826 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 22:49:13

End at: 2018-04-17 22:49:43

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.44 Mbit/s

95th percentile per-packet one-way delay: 65.359 ms

Loss rate: 0.00%

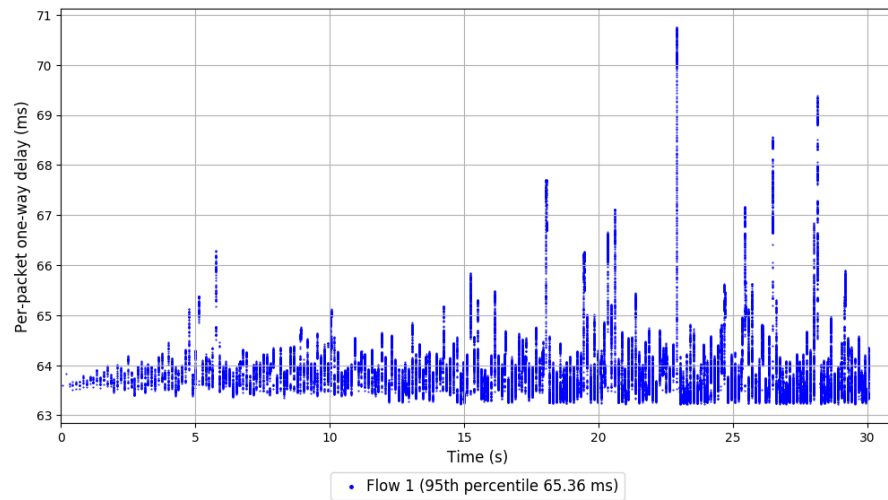
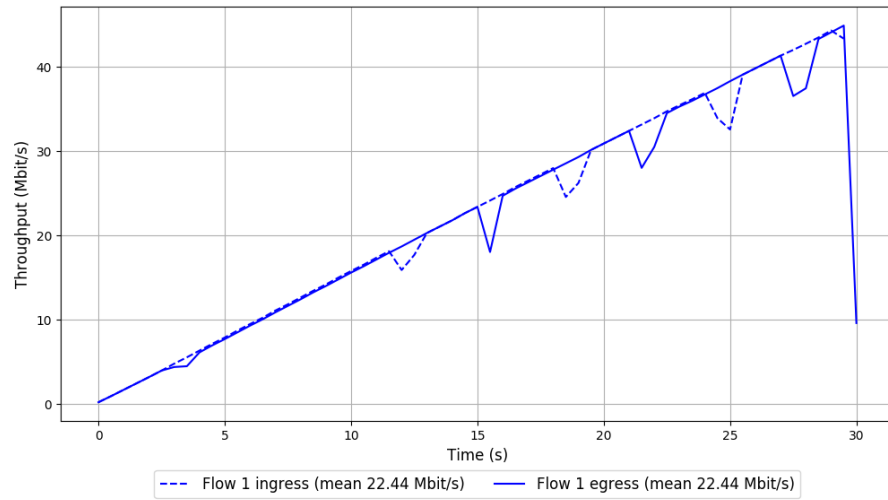
-- Flow 1:

Average throughput: 22.44 Mbit/s

95th percentile per-packet one-way delay: 65.359 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 23:02:13

End at: 2018-04-17 23:02:43

Below is generated by plot.py at 2018-04-18 00:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.94 Mbit/s

95th percentile per-packet one-way delay: 64.970 ms

Loss rate: 0.05%

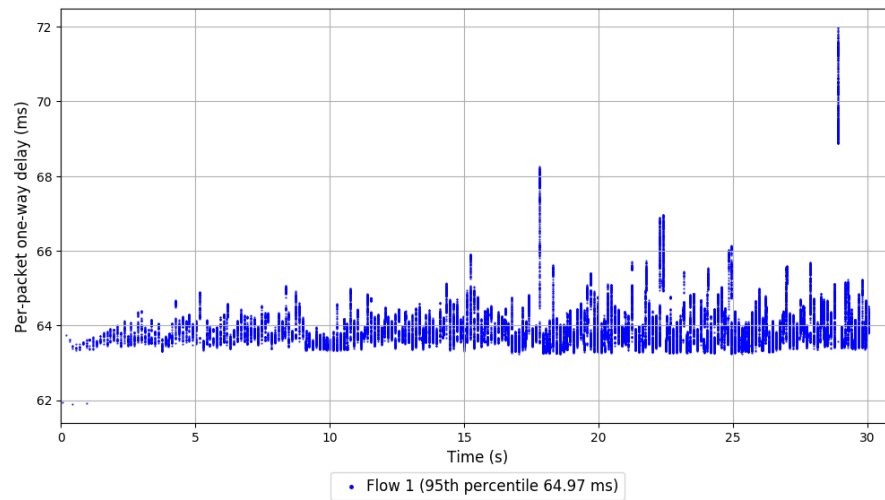
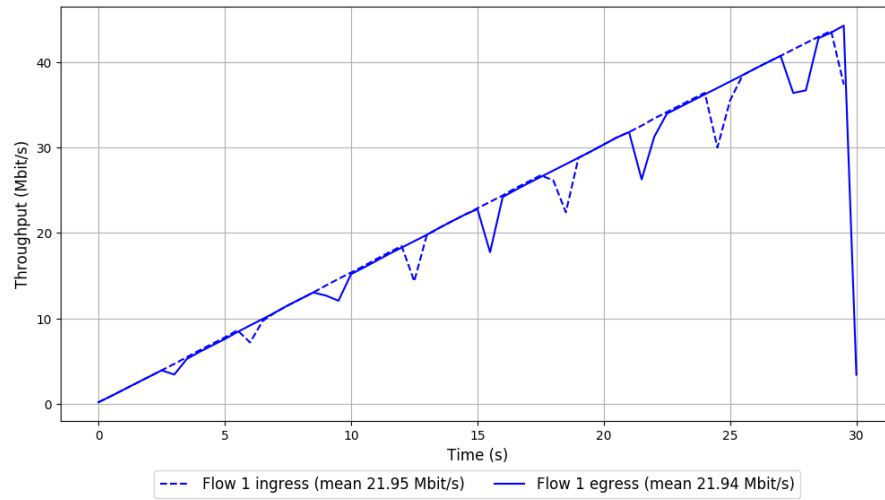
-- Flow 1:

Average throughput: 21.94 Mbit/s

95th percentile per-packet one-way delay: 64.970 ms

Loss rate: 0.05%

Run 10: Report of LEDBAT — Data Link

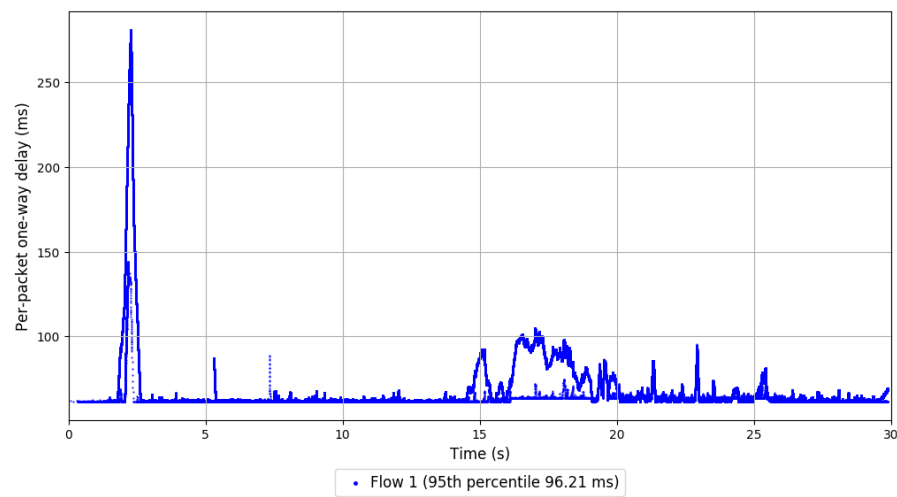
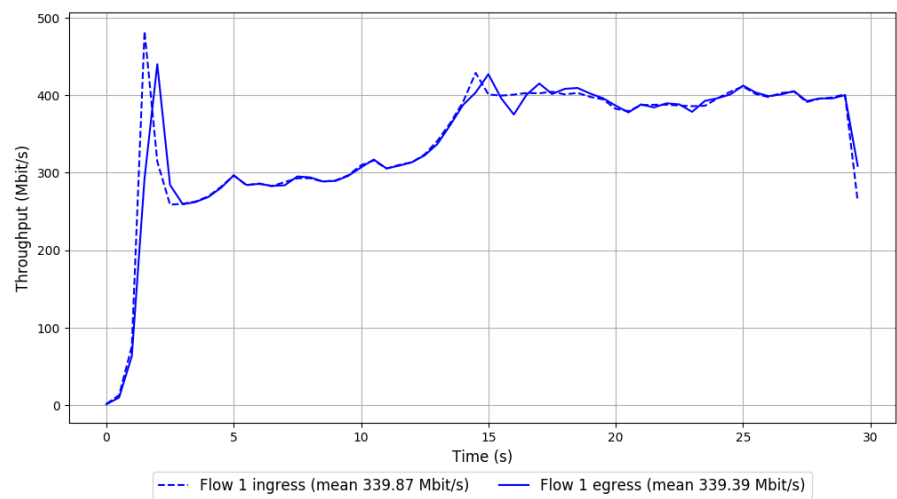


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 21:02:41
End at: 2018-04-17 21:03:11

# Below is generated by plot.py at 2018-04-18 00:30:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.39 Mbit/s
95th percentile per-packet one-way delay: 96.213 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 339.39 Mbit/s
95th percentile per-packet one-way delay: 96.213 ms
Loss rate: 0.14%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 21:15:42

End at: 2018-04-17 21:16:12

Below is generated by plot.py at 2018-04-18 00:30:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.84 Mbit/s

95th percentile per-packet one-way delay: 105.012 ms

Loss rate: 0.17%

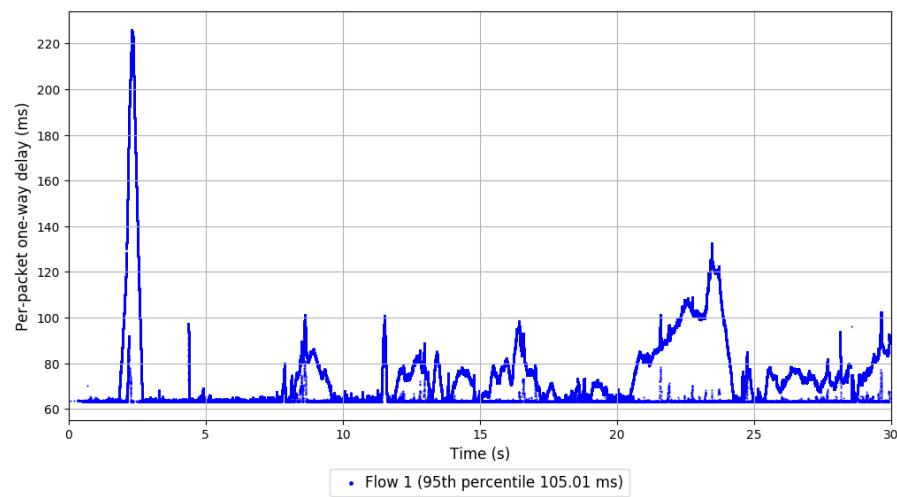
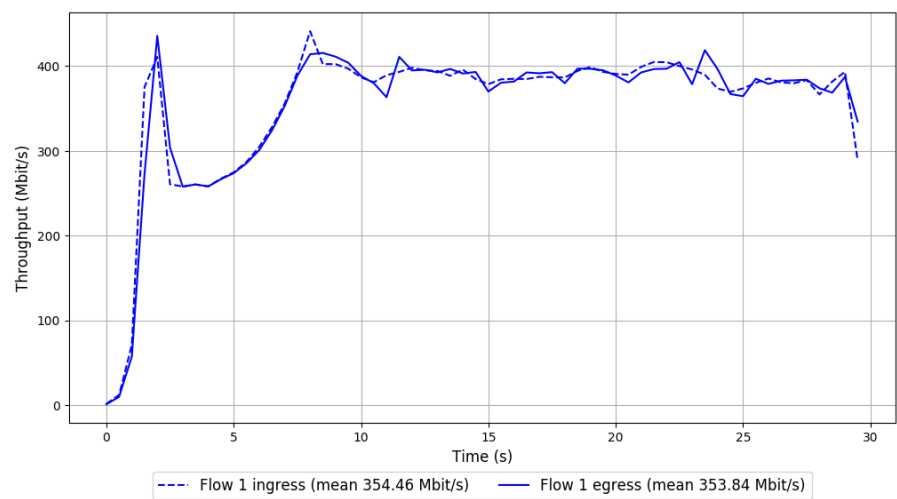
-- Flow 1:

Average throughput: 353.84 Mbit/s

95th percentile per-packet one-way delay: 105.012 ms

Loss rate: 0.17%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 21:28:38

End at: 2018-04-17 21:29:08

Below is generated by plot.py at 2018-04-18 00:30:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.50 Mbit/s

95th percentile per-packet one-way delay: 82.866 ms

Loss rate: 0.12%

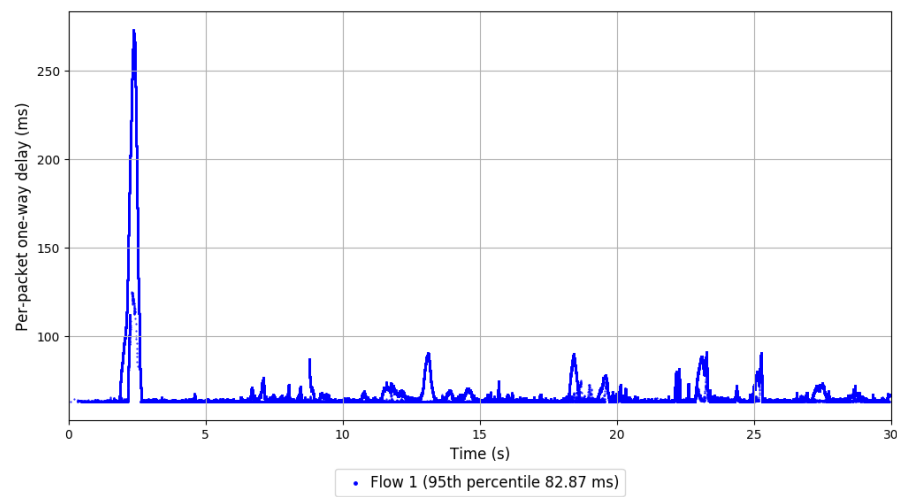
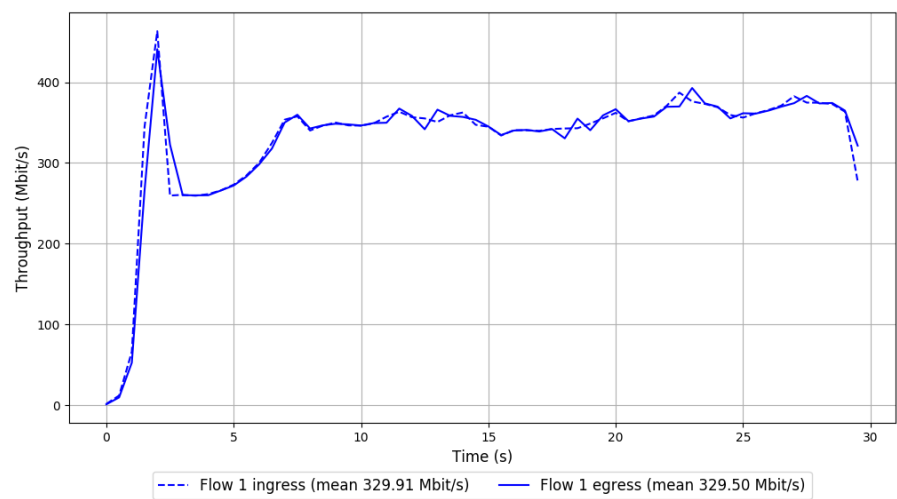
-- Flow 1:

Average throughput: 329.50 Mbit/s

95th percentile per-packet one-way delay: 82.866 ms

Loss rate: 0.12%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 21:41:42

End at: 2018-04-17 21:42:12

Below is generated by plot.py at 2018-04-18 00:30:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.57 Mbit/s

95th percentile per-packet one-way delay: 119.016 ms

Loss rate: 0.40%

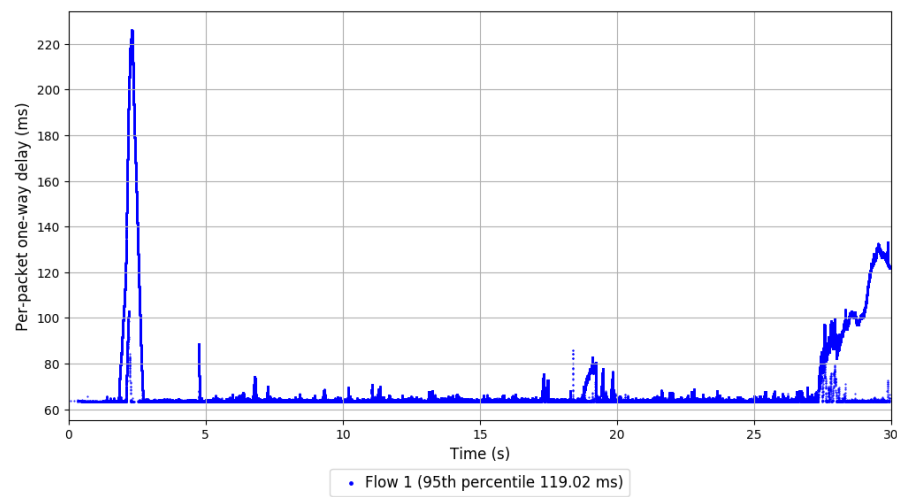
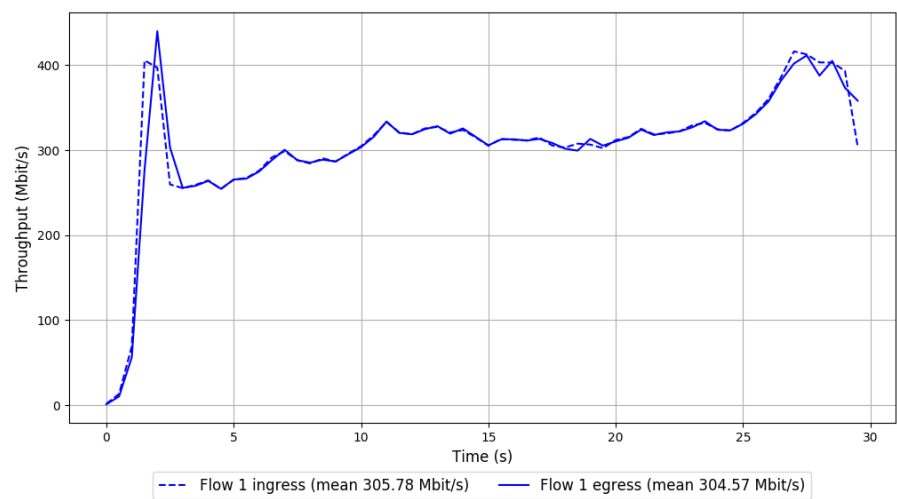
-- Flow 1:

Average throughput: 304.57 Mbit/s

95th percentile per-packet one-way delay: 119.016 ms

Loss rate: 0.40%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 21:54:31

End at: 2018-04-17 21:55:01

Below is generated by plot.py at 2018-04-18 00:32:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.27 Mbit/s

95th percentile per-packet one-way delay: 93.851 ms

Loss rate: 0.15%

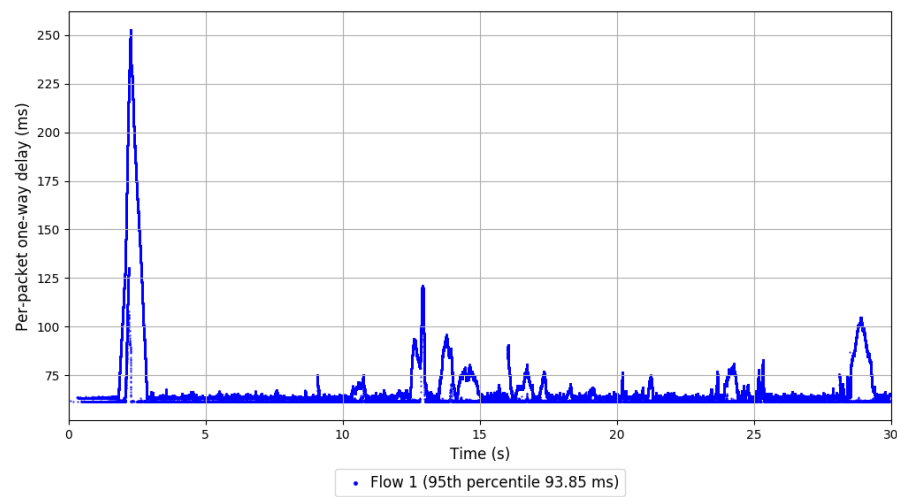
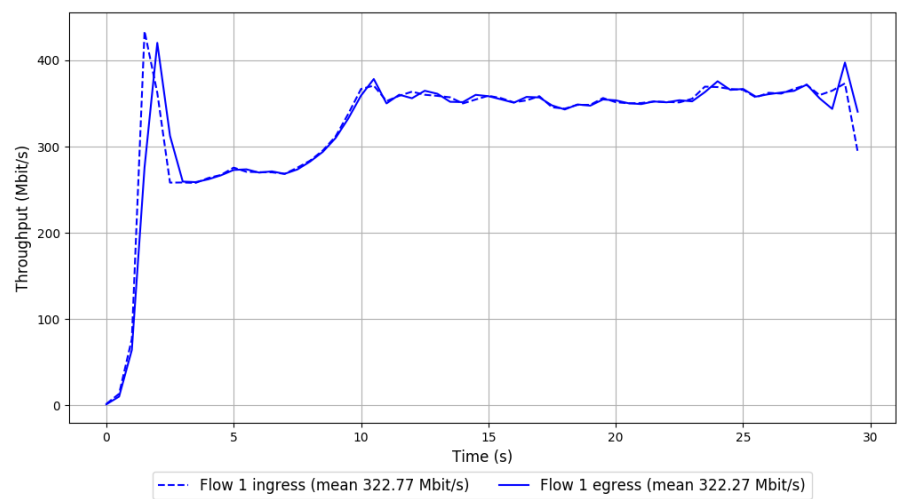
-- Flow 1:

Average throughput: 322.27 Mbit/s

95th percentile per-packet one-way delay: 93.851 ms

Loss rate: 0.15%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 22:07:24

End at: 2018-04-17 22:07:54

Below is generated by plot.py at 2018-04-18 00:32:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.37 Mbit/s

95th percentile per-packet one-way delay: 137.434 ms

Loss rate: 0.13%

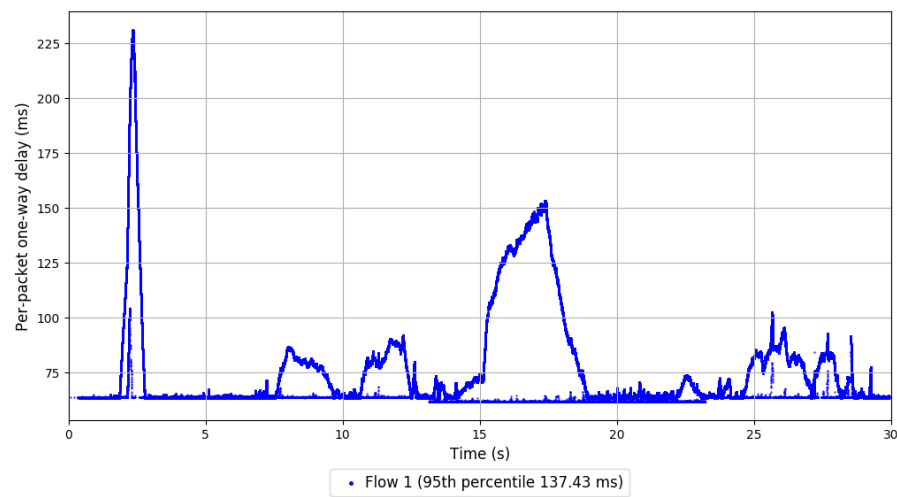
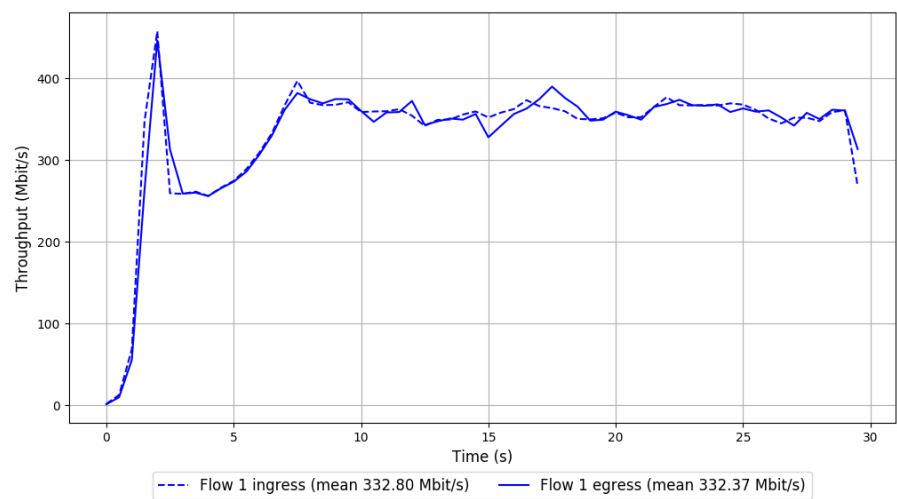
-- Flow 1:

Average throughput: 332.37 Mbit/s

95th percentile per-packet one-way delay: 137.434 ms

Loss rate: 0.13%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 22:20:24

End at: 2018-04-17 22:20:54

Below is generated by plot.py at 2018-04-18 00:32:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.82 Mbit/s

95th percentile per-packet one-way delay: 197.839 ms

Loss rate: 0.11%

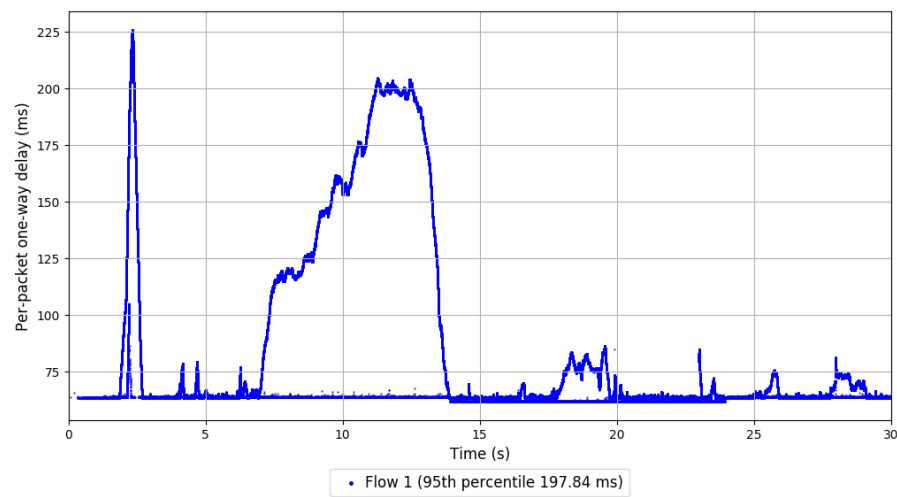
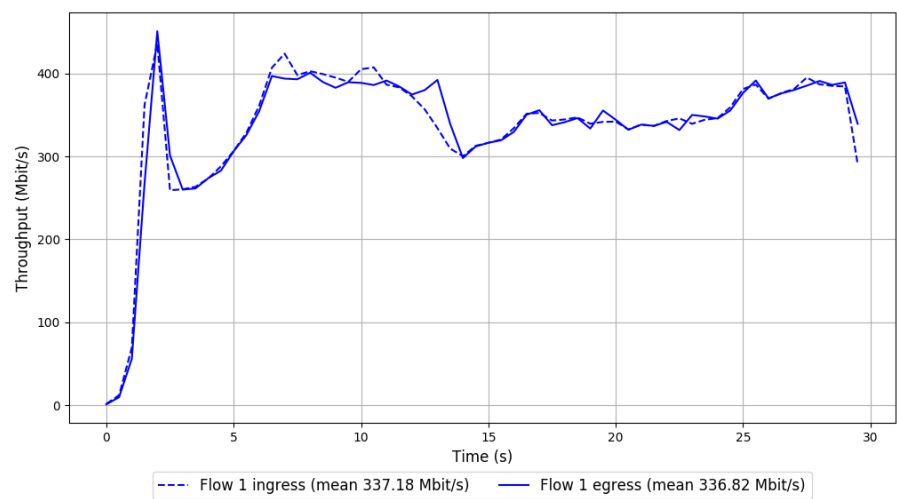
-- Flow 1:

Average throughput: 336.82 Mbit/s

95th percentile per-packet one-way delay: 197.839 ms

Loss rate: 0.11%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 22:33:30

End at: 2018-04-17 22:34:01

Below is generated by plot.py at 2018-04-18 00:32:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.65 Mbit/s

95th percentile per-packet one-way delay: 89.480 ms

Loss rate: 0.28%

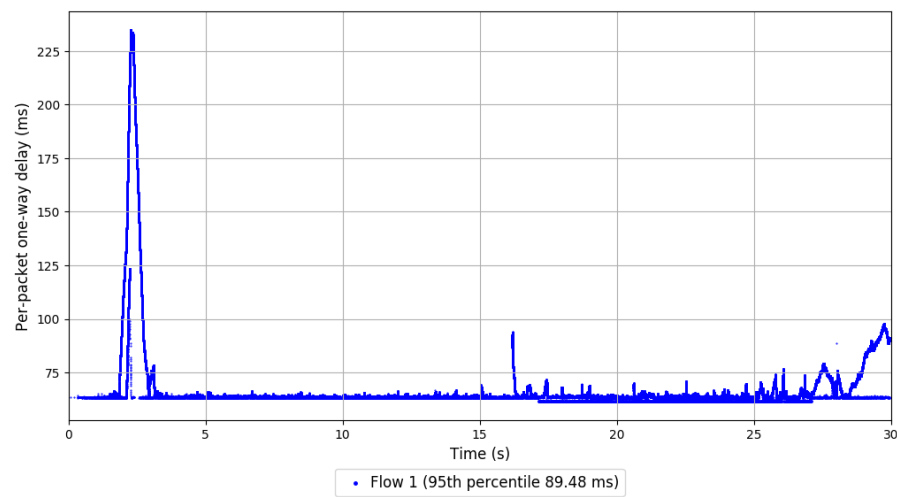
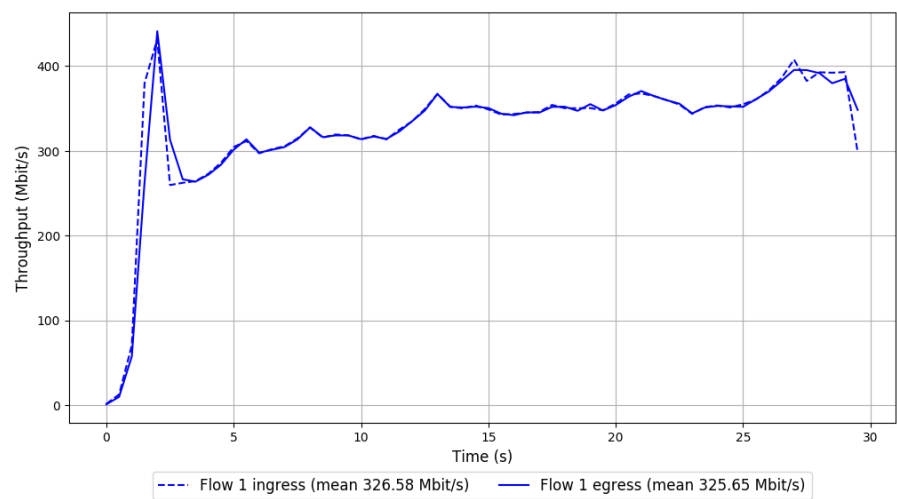
-- Flow 1:

Average throughput: 325.65 Mbit/s

95th percentile per-packet one-way delay: 89.480 ms

Loss rate: 0.28%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 22:46:44

End at: 2018-04-17 22:47:14

Below is generated by plot.py at 2018-04-18 00:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.05 Mbit/s

95th percentile per-packet one-way delay: 96.249 ms

Loss rate: 0.13%

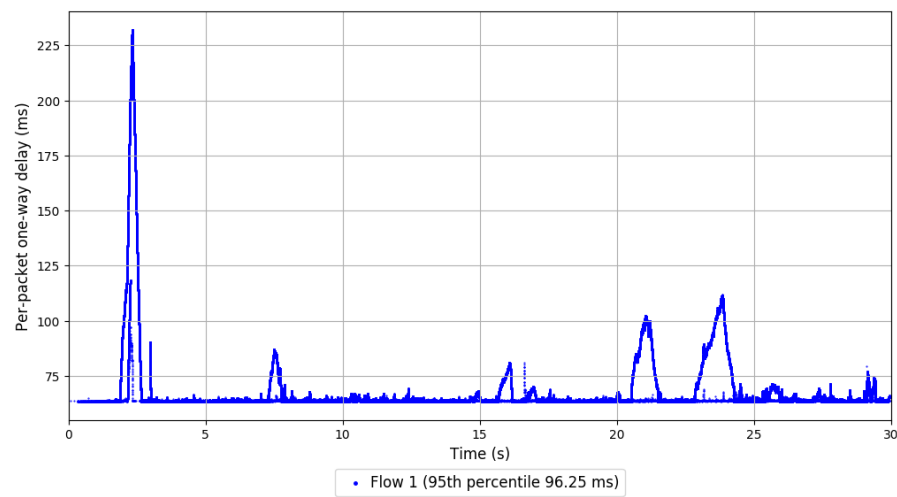
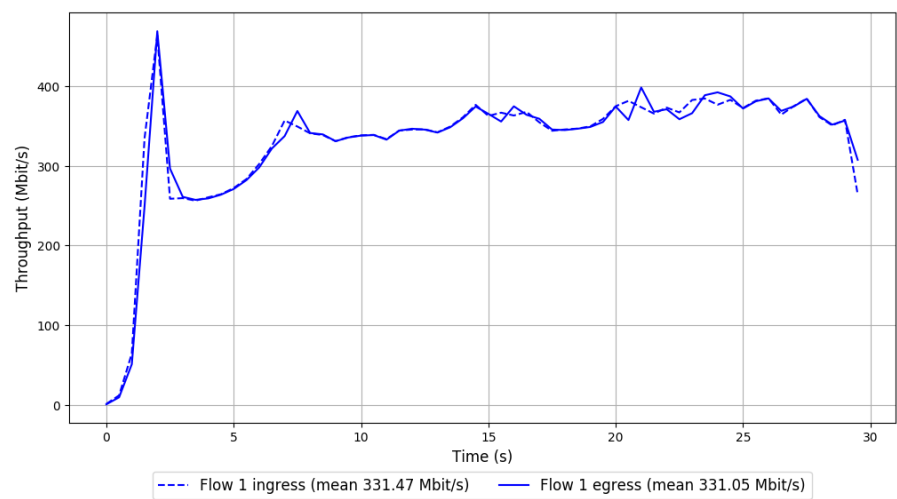
-- Flow 1:

Average throughput: 331.05 Mbit/s

95th percentile per-packet one-way delay: 96.249 ms

Loss rate: 0.13%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 22:59:46

End at: 2018-04-17 23:00:16

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.06 Mbit/s

95th percentile per-packet one-way delay: 80.149 ms

Loss rate: 0.08%

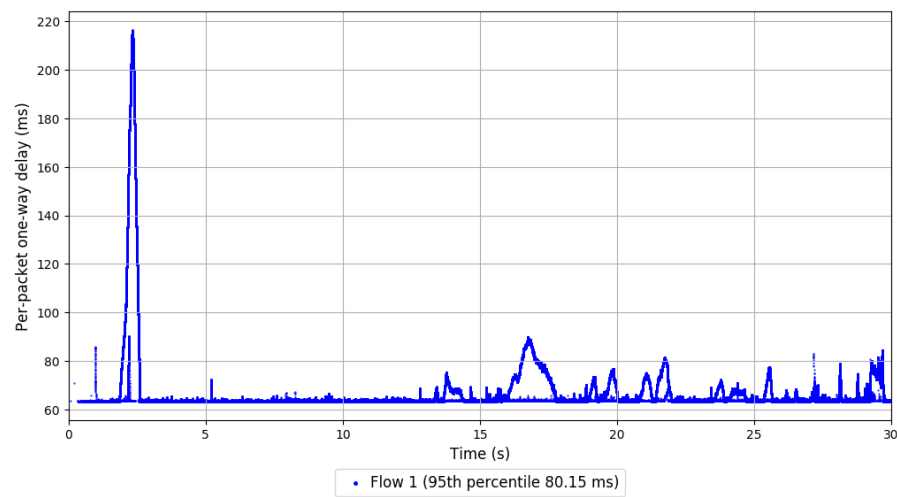
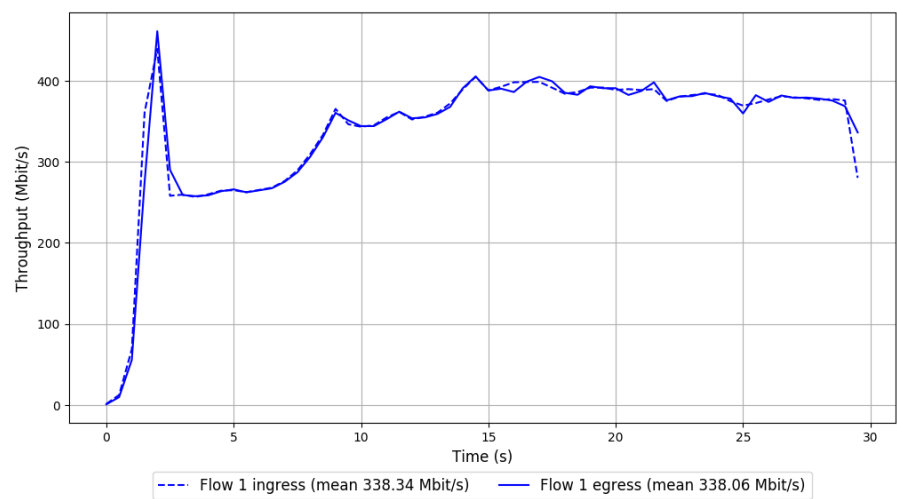
-- Flow 1:

Average throughput: 338.06 Mbit/s

95th percentile per-packet one-way delay: 80.149 ms

Loss rate: 0.08%

Run 10: Report of PCC-Allegro — Data Link

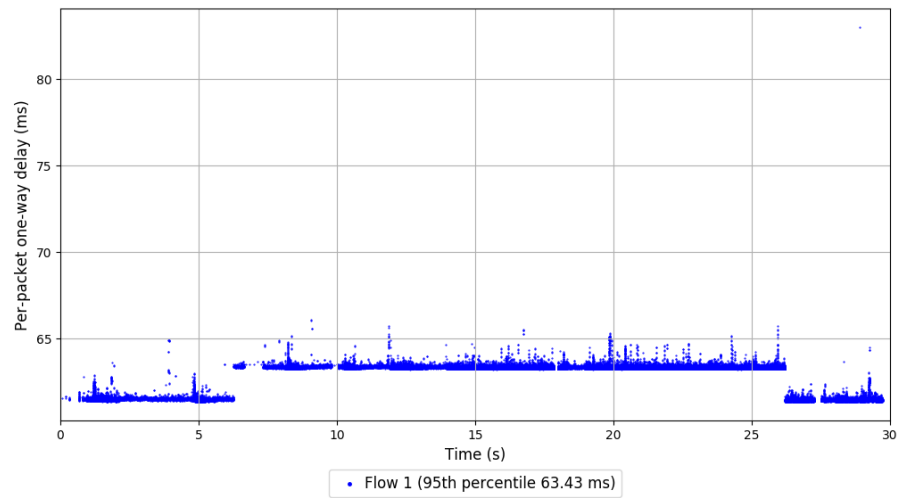
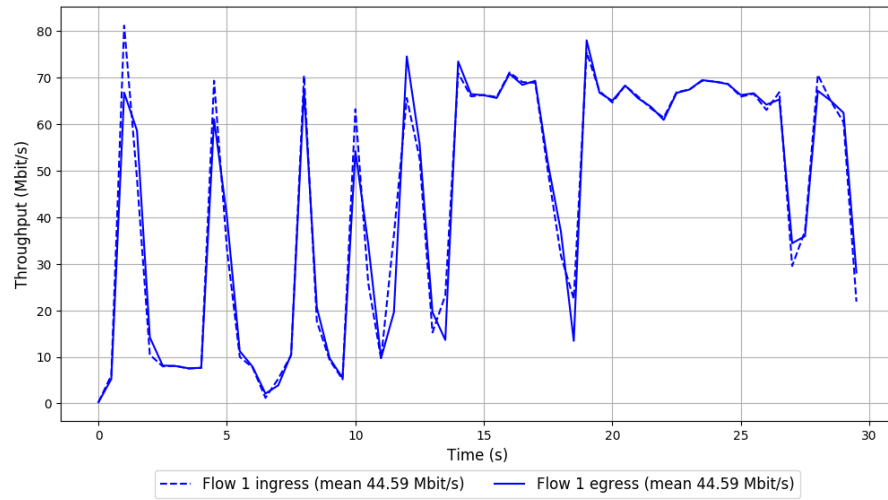


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 21:02:01
End at: 2018-04-17 21:02:31

# Below is generated by plot.py at 2018-04-18 00:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.59 Mbit/s
95th percentile per-packet one-way delay: 63.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.59 Mbit/s
95th percentile per-packet one-way delay: 63.433 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link

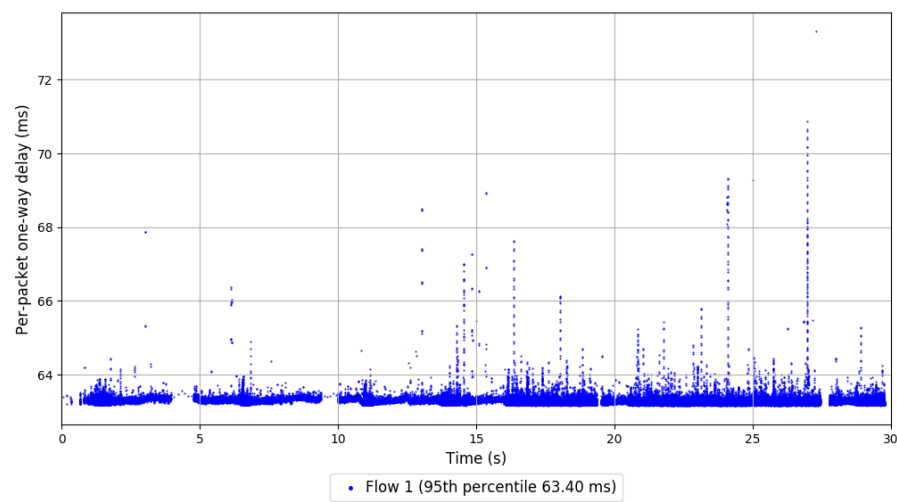
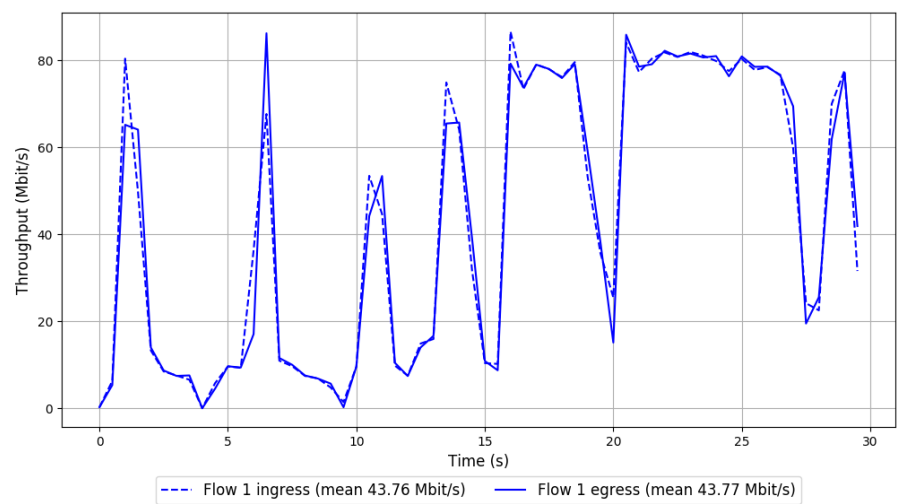


```
Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 21:15:02
End at: 2018-04-17 21:15:32

# Below is generated by plot.py at 2018-04-18 00:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.77 Mbit/s
95th percentile per-packet one-way delay: 63.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.77 Mbit/s
95th percentile per-packet one-way delay: 63.401 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 21:27:58

End at: 2018-04-17 21:28:28

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 61.906 ms

Loss rate: 0.00%

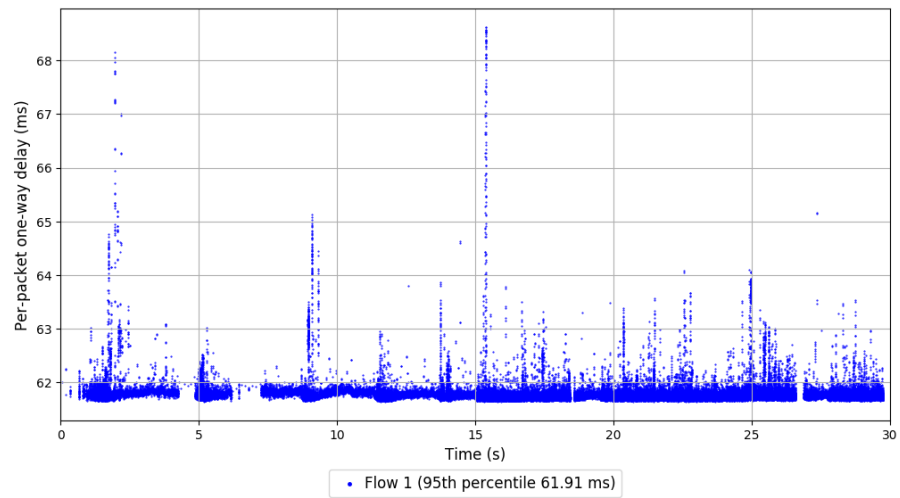
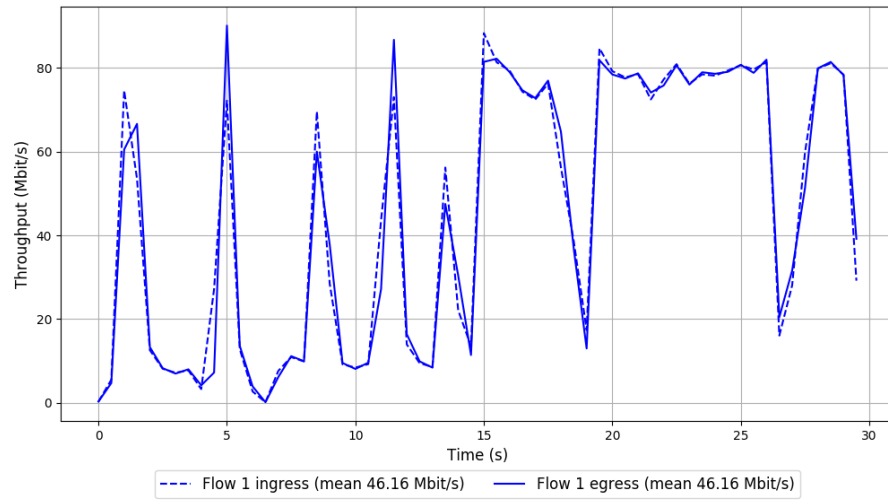
-- Flow 1:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 61.906 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 21:41:02

End at: 2018-04-17 21:41:32

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.53 Mbit/s

95th percentile per-packet one-way delay: 63.438 ms

Loss rate: 0.00%

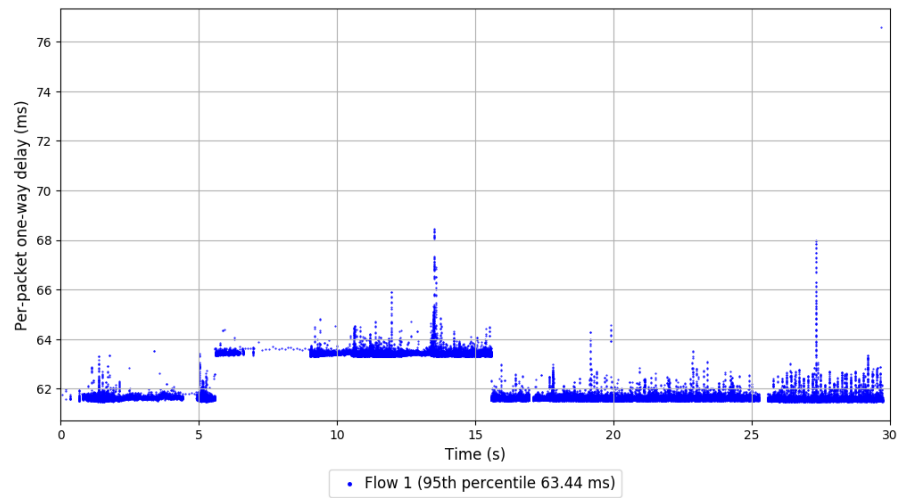
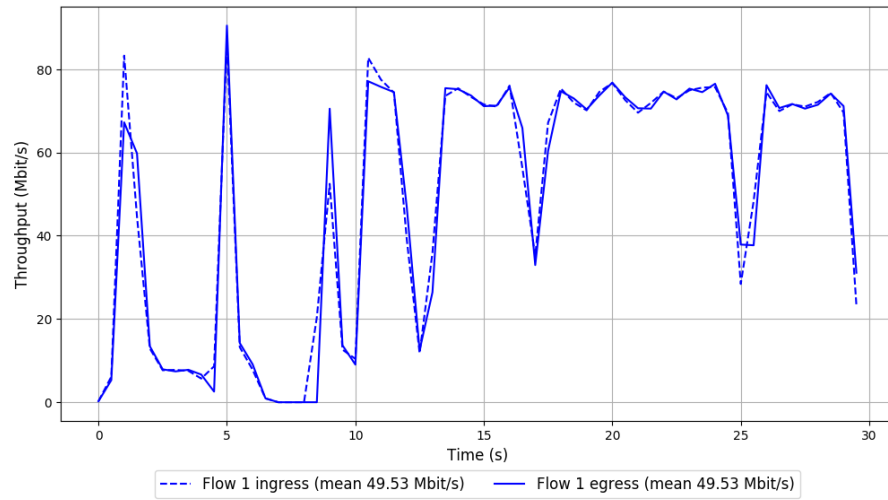
-- Flow 1:

Average throughput: 49.53 Mbit/s

95th percentile per-packet one-way delay: 63.438 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 21:53:50

End at: 2018-04-17 21:54:20

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.51 Mbit/s

95th percentile per-packet one-way delay: 63.602 ms

Loss rate: 0.00%

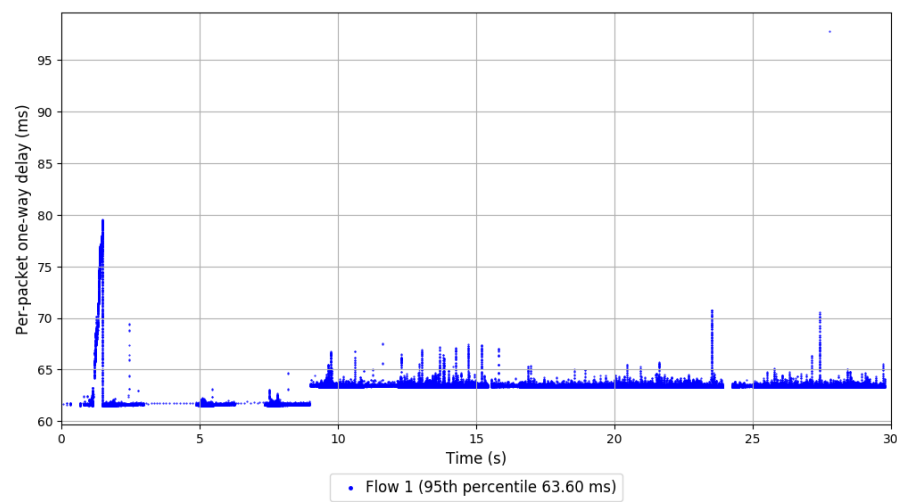
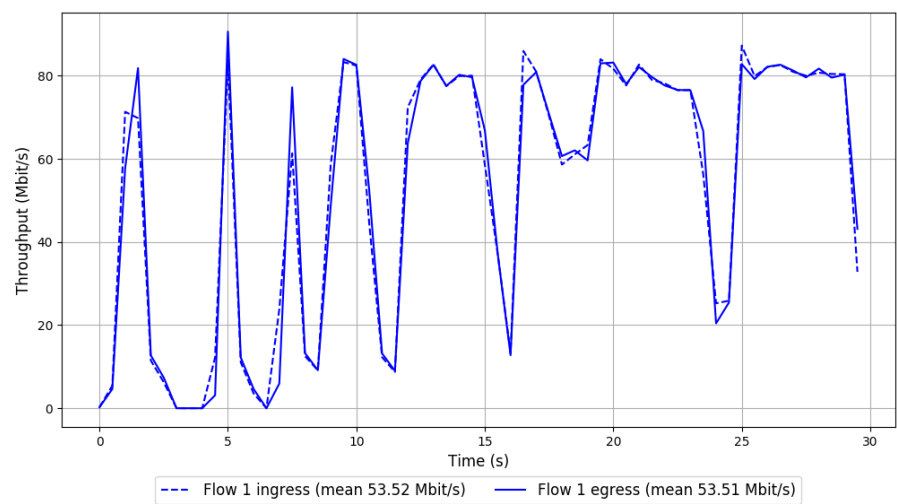
-- Flow 1:

Average throughput: 53.51 Mbit/s

95th percentile per-packet one-way delay: 63.602 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 22:06:43

End at: 2018-04-17 22:07:13

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.17 Mbit/s

95th percentile per-packet one-way delay: 63.470 ms

Loss rate: 0.00%

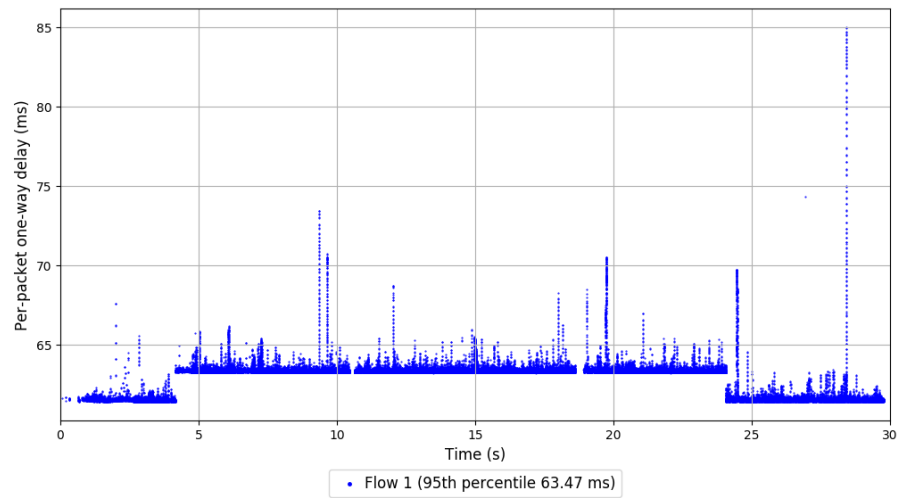
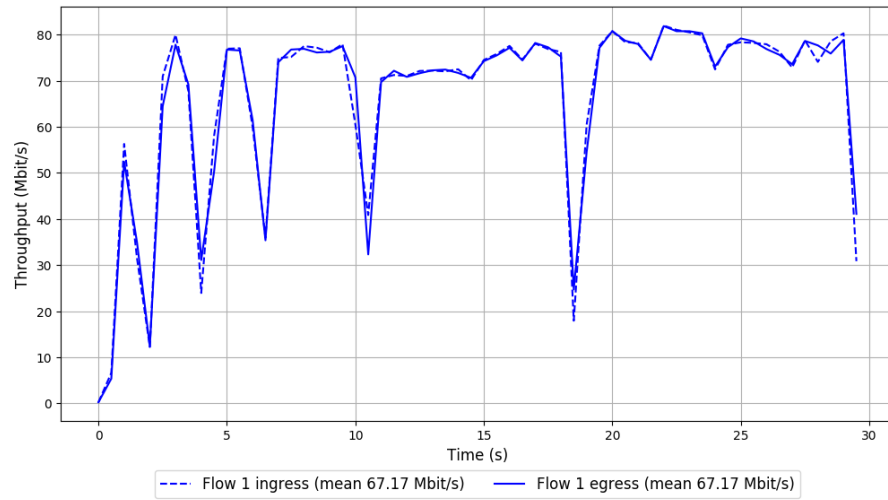
-- Flow 1:

Average throughput: 67.17 Mbit/s

95th percentile per-packet one-way delay: 63.470 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 22:19:43

End at: 2018-04-17 22:20:13

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 63.422 ms

Loss rate: 0.06%

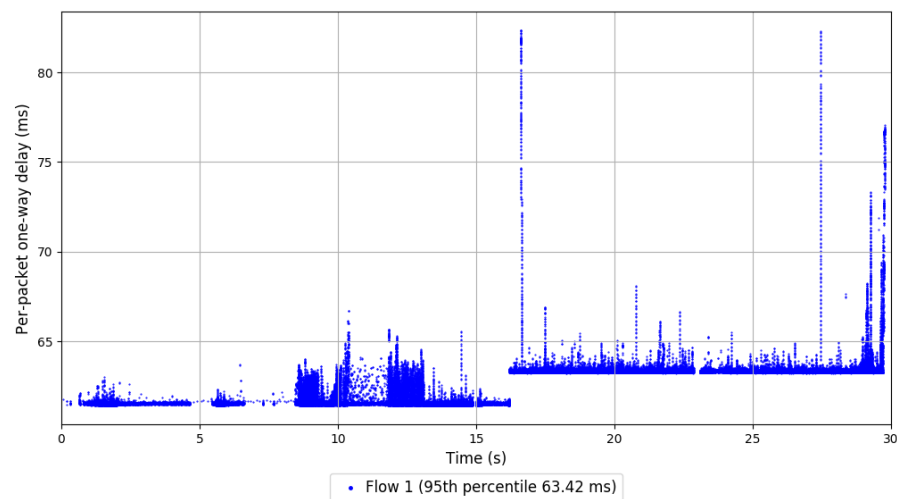
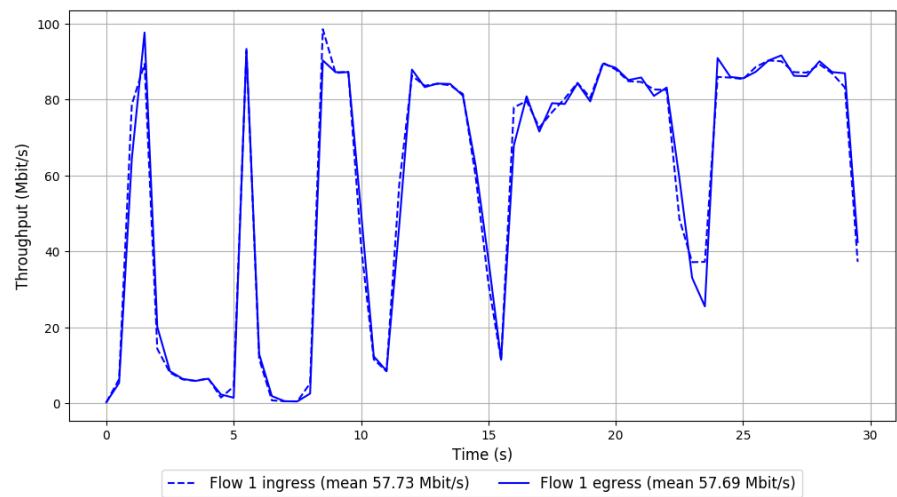
-- Flow 1:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 63.422 ms

Loss rate: 0.06%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 22:32:50

End at: 2018-04-17 22:33:20

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.03 Mbit/s

95th percentile per-packet one-way delay: 63.458 ms

Loss rate: 0.00%

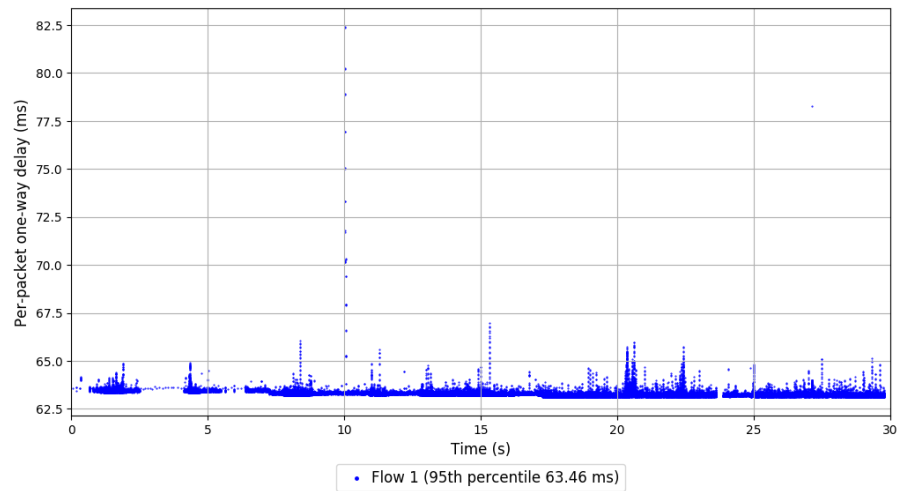
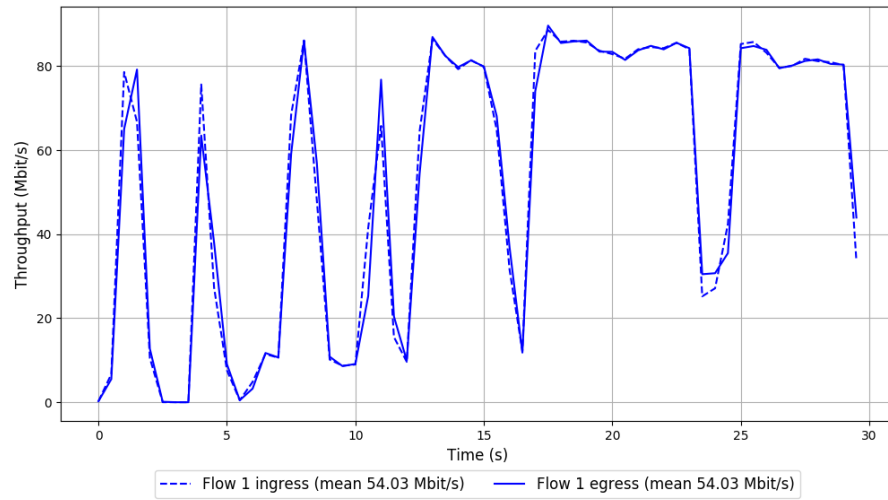
-- Flow 1:

Average throughput: 54.03 Mbit/s

95th percentile per-packet one-way delay: 63.458 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

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

End at: 2018-04-17 22:46:34

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.97 Mbit/s

95th percentile per-packet one-way delay: 63.410 ms

Loss rate: 0.00%

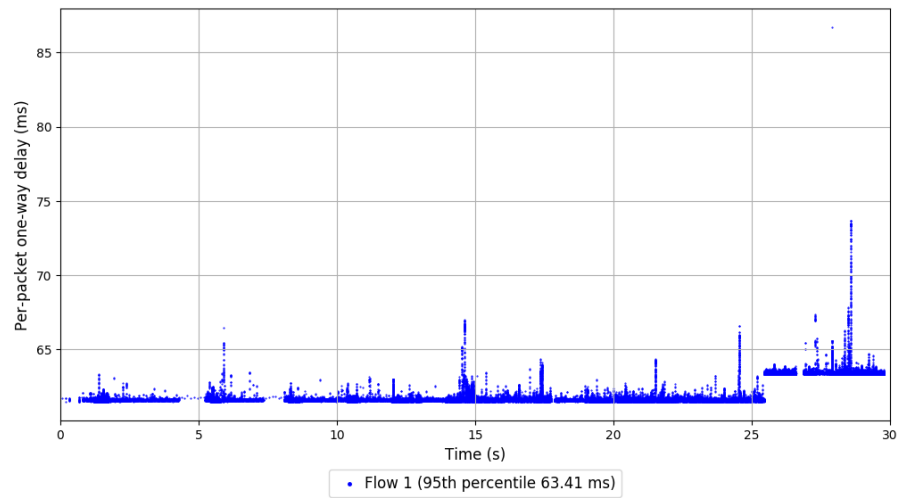
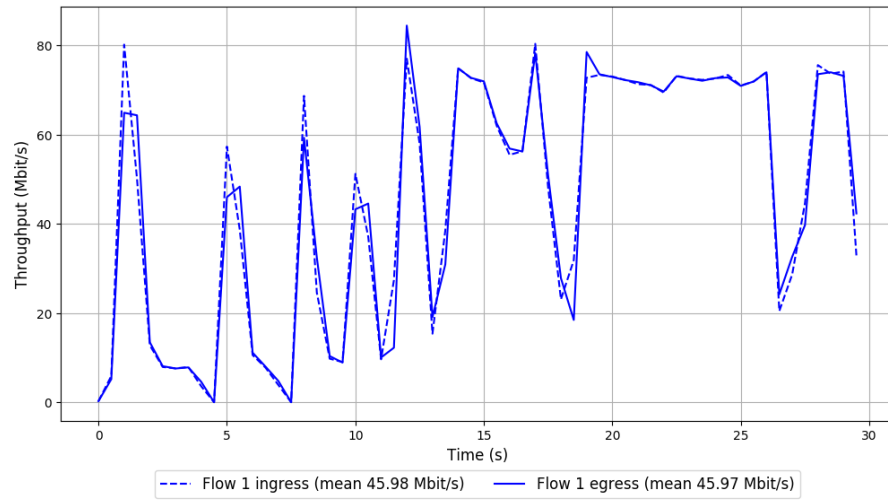
-- Flow 1:

Average throughput: 45.97 Mbit/s

95th percentile per-packet one-way delay: 63.410 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

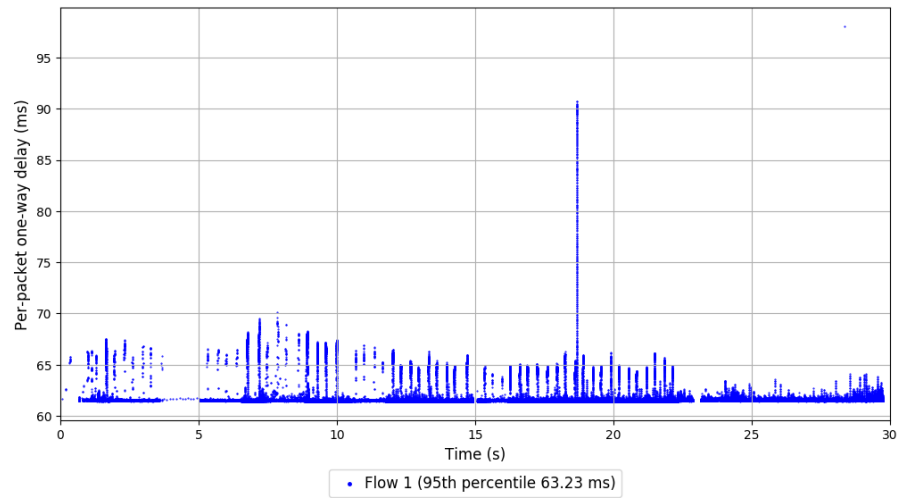
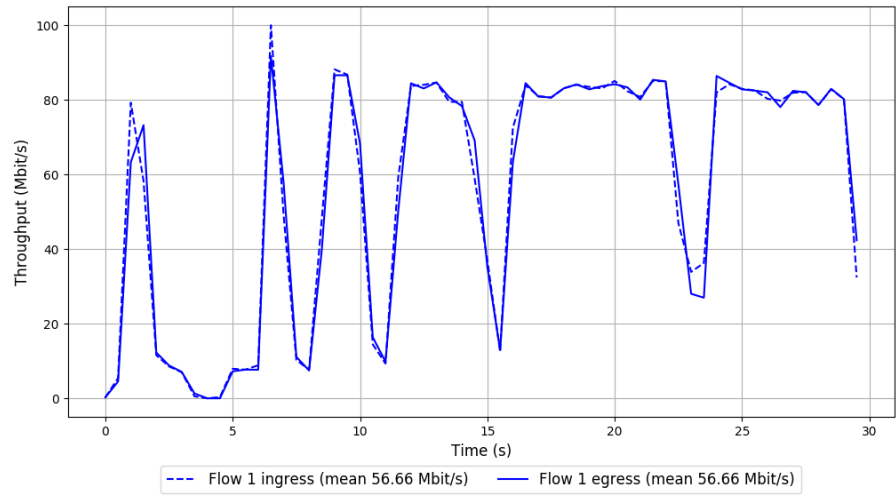


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 22:59:05
End at: 2018-04-17 22:59:35

# Below is generated by plot.py at 2018-04-18 00:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 63.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 63.226 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

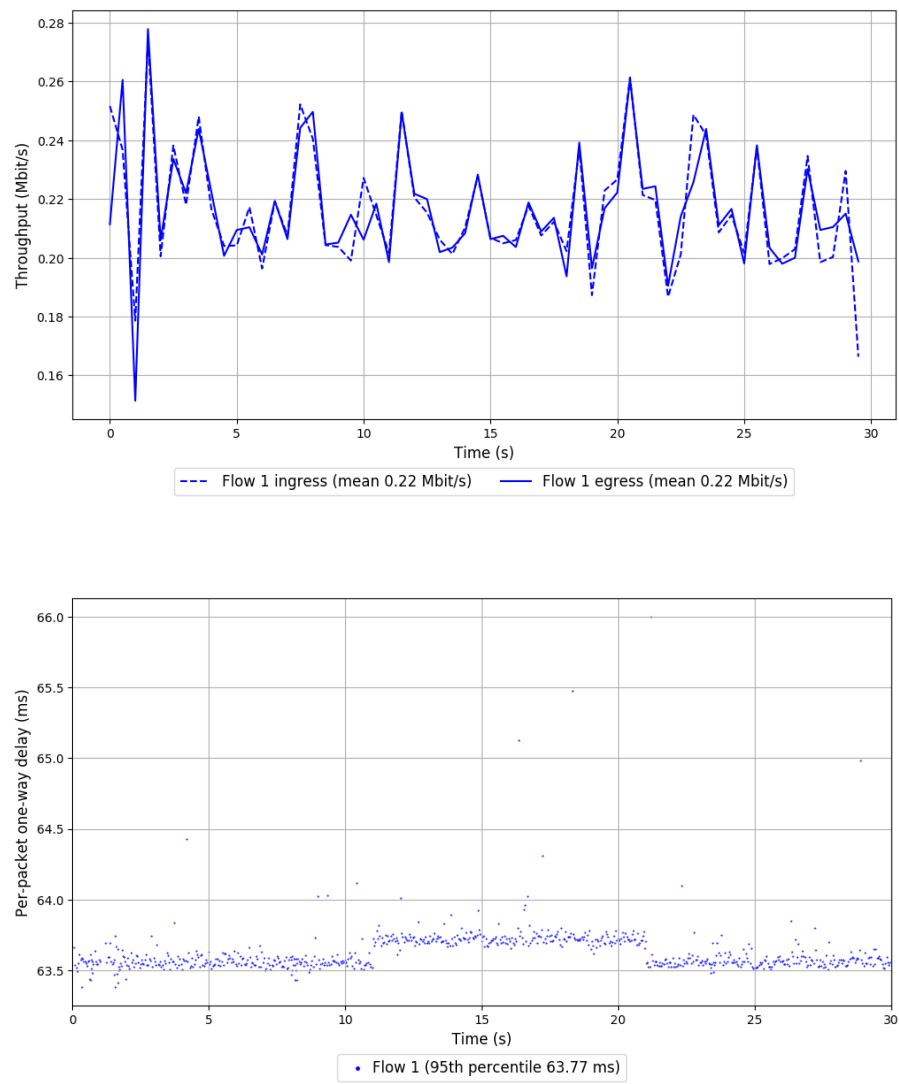


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 20:57:47
End at: 2018-04-17 20:58:17

# Below is generated by plot.py at 2018-04-18 00:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.773 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

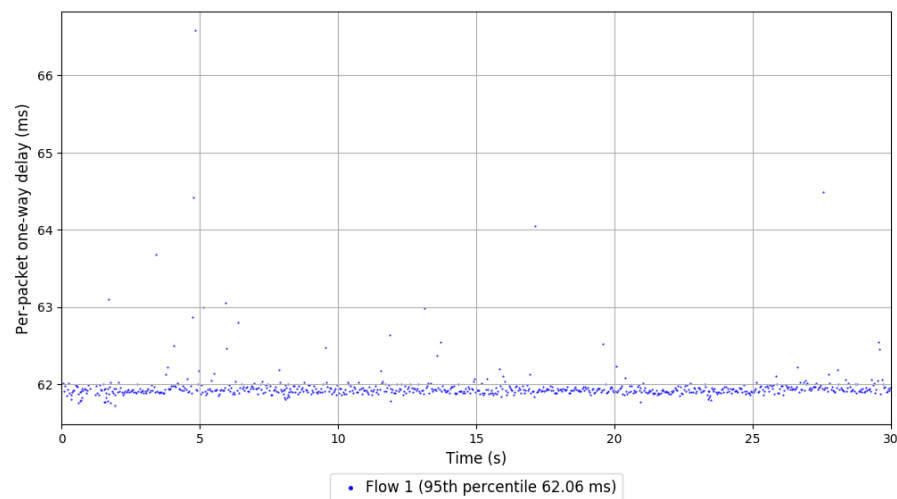
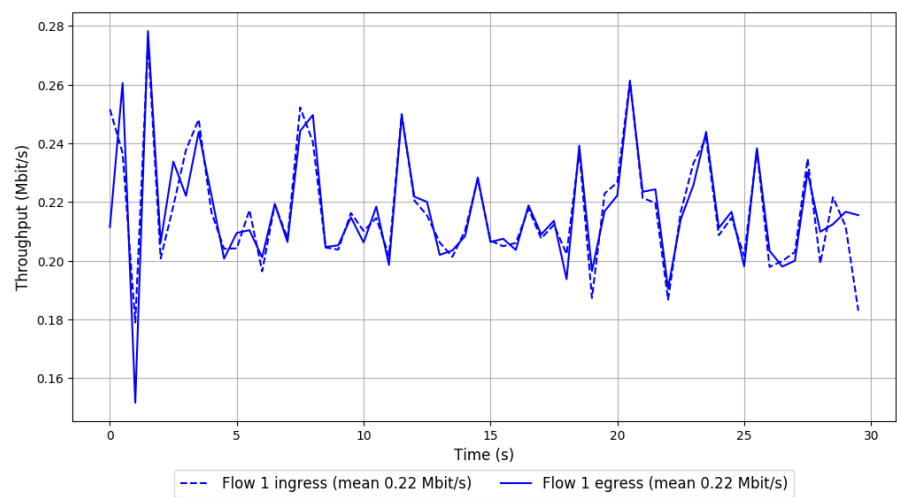


```
Run 2: Statistics of SCReAM

Start at: 2018-04-17 21:10:34
End at: 2018-04-17 21:11:04

# Below is generated by plot.py at 2018-04-18 00:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.064 ms
Loss rate: 0.00%
```

Run 2: Report of SCRaM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 21:23:29

End at: 2018-04-17 21:23:59

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

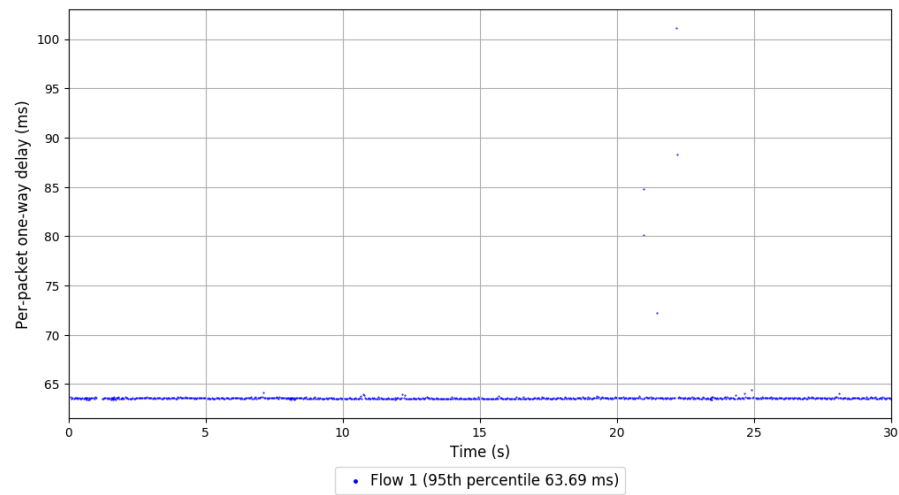
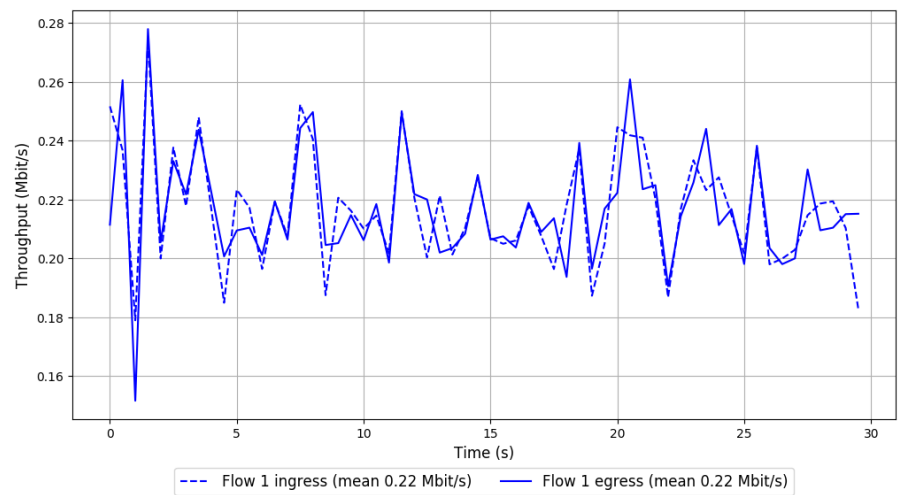
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

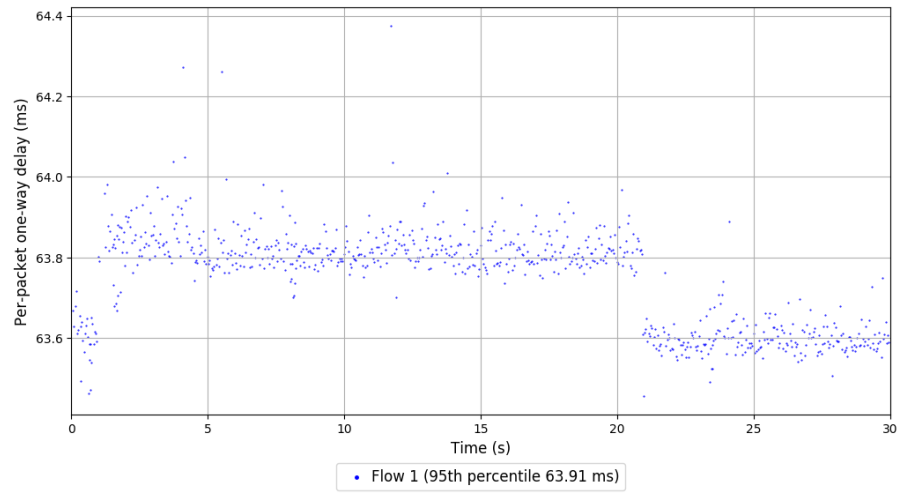
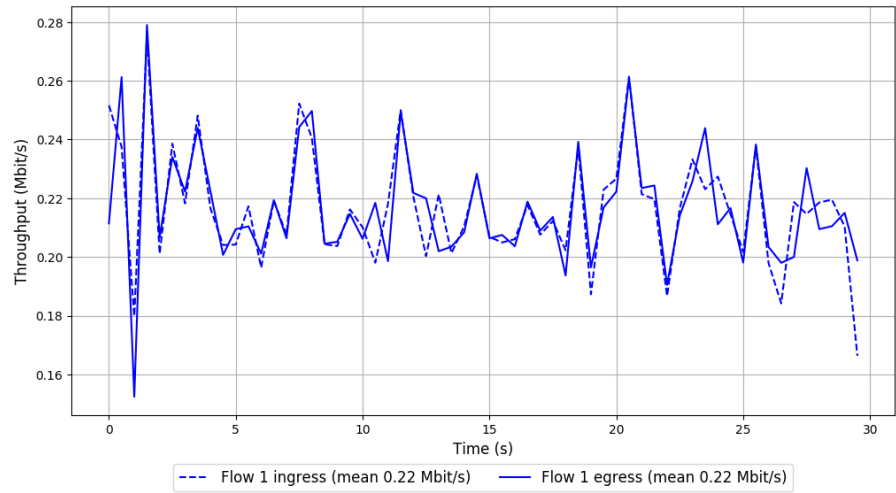


```
Run 4: Statistics of SCReAM

Start at: 2018-04-17 21:36:29
End at: 2018-04-17 21:36:59

# Below is generated by plot.py at 2018-04-18 00:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.906 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 21:49:22

End at: 2018-04-17 21:49:52

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.857 ms

Loss rate: 0.00%

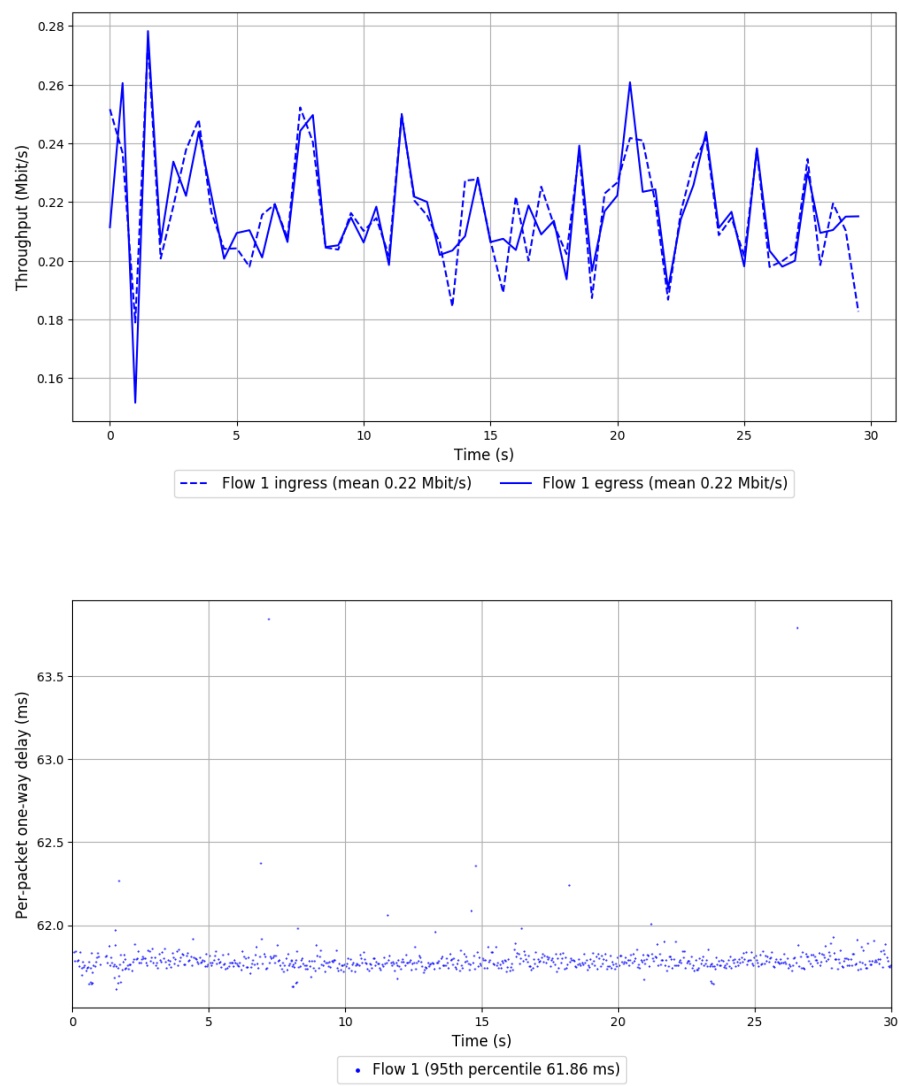
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.857 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 22:02:15

End at: 2018-04-17 22:02:45

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.653 ms

Loss rate: 0.00%

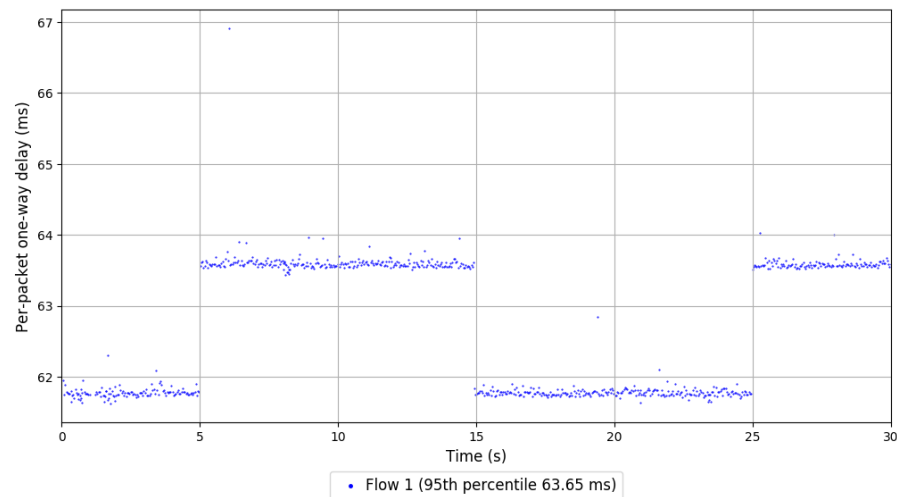
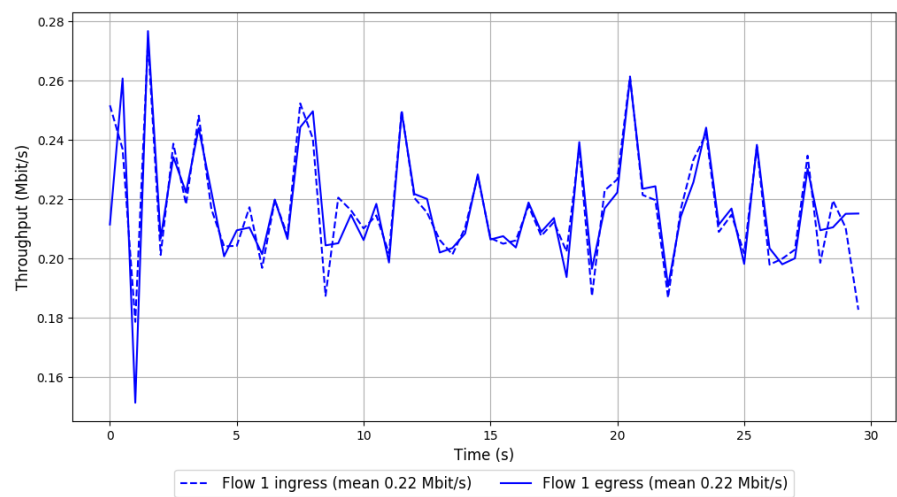
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.653 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

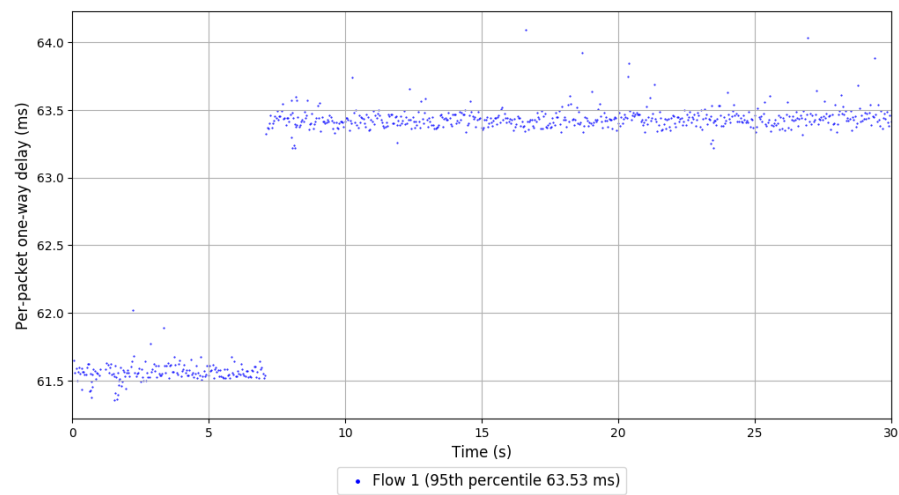
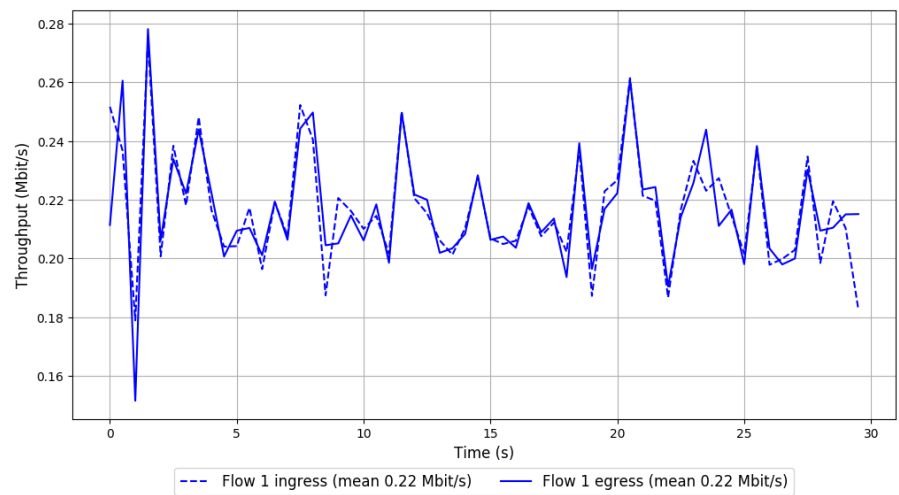


```
Run 7: Statistics of SCReAM

Start at: 2018-04-17 22:15:10
End at: 2018-04-17 22:15:40

# Below is generated by plot.py at 2018-04-18 00:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.532 ms
Loss rate: 0.00%
```


Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 22:28:19

End at: 2018-04-17 22:28:49

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.525 ms

Loss rate: 0.00%

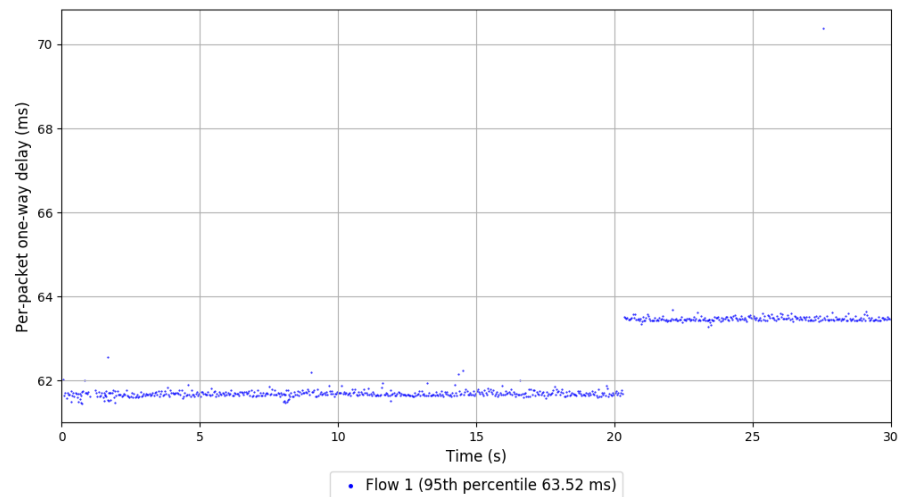
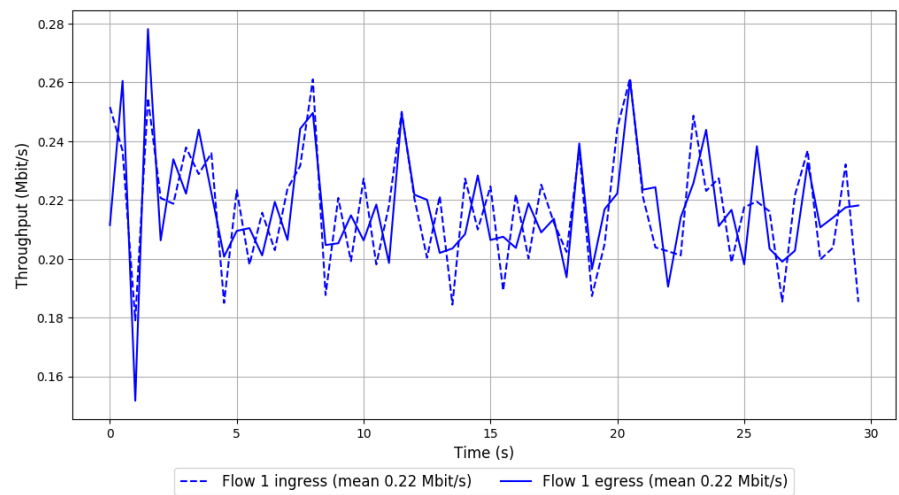
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.525 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 22:41:29

End at: 2018-04-17 22:41:59

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.496 ms

Loss rate: 0.00%

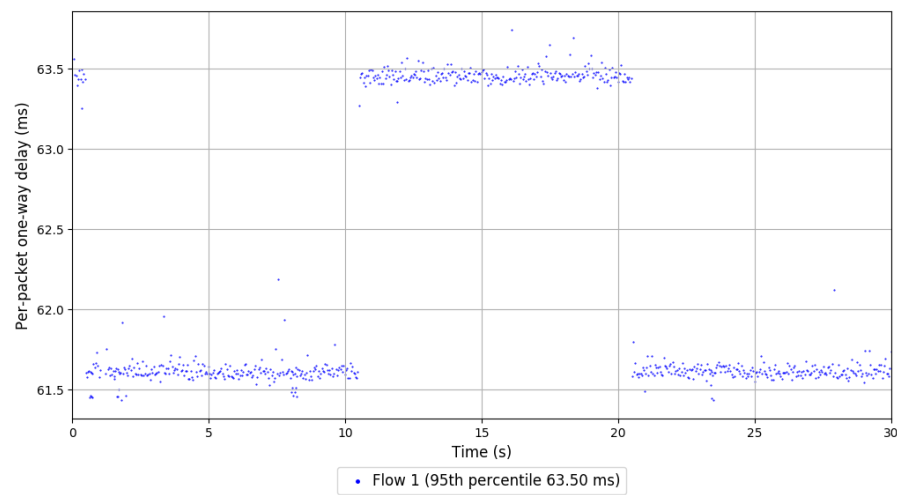
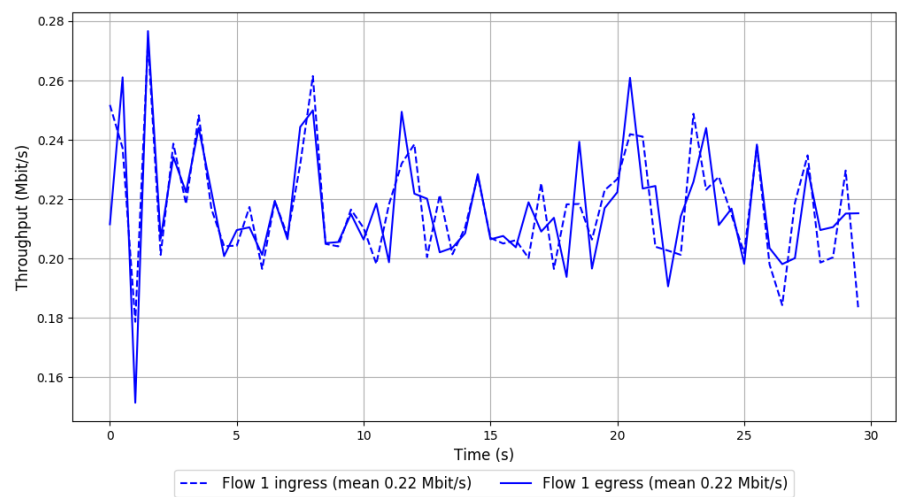
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.496 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-17 22:54:35

End at: 2018-04-17 22:55:05

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.714 ms

Loss rate: 0.00%

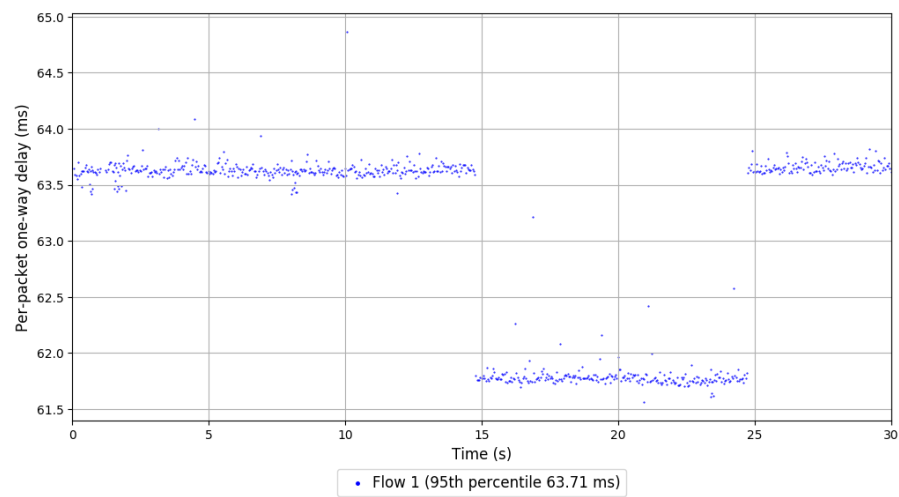
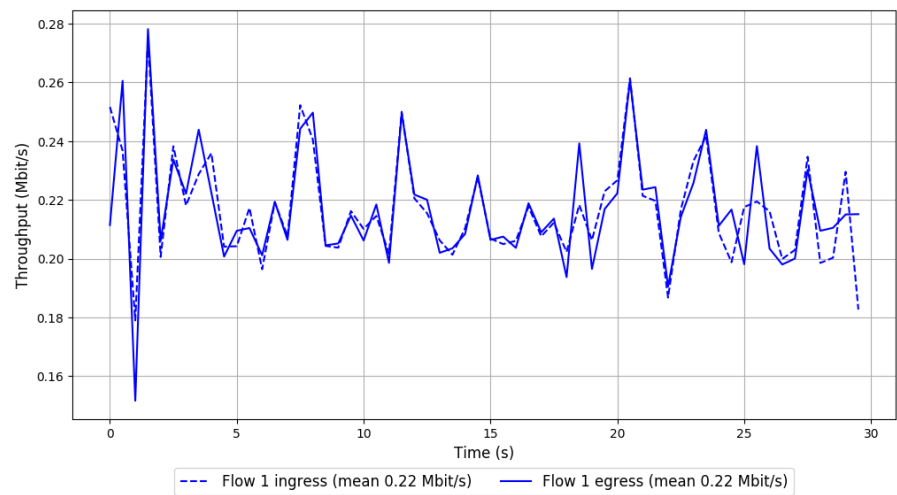
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.714 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

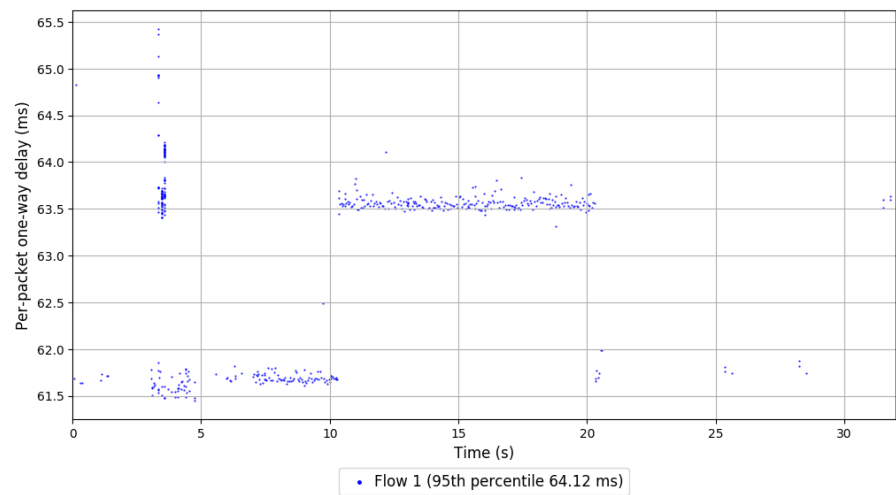
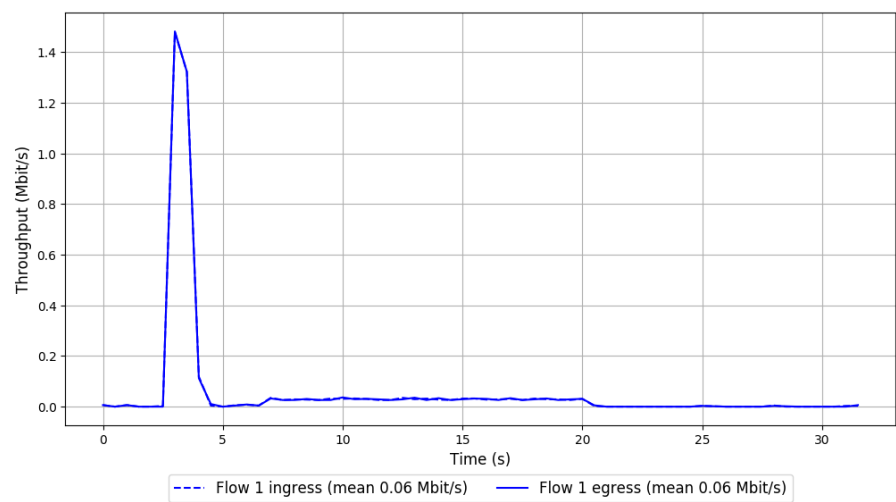


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 21:08:22
End at: 2018-04-17 21:08:52

# Below is generated by plot.py at 2018-04-18 00:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 64.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 64.118 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-17 21:21:16

End at: 2018-04-17 21:21:46

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

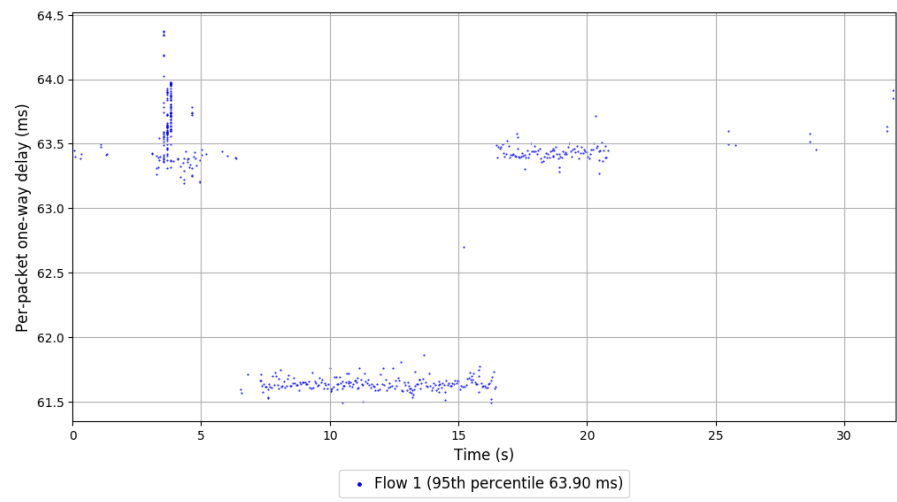
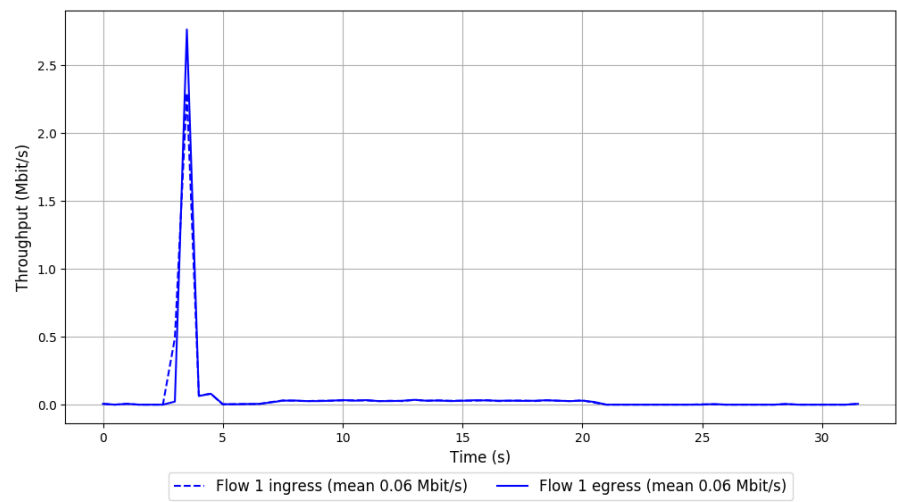
-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 21:34:16

End at: 2018-04-17 21:34:46

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 64.407 ms

Loss rate: 0.00%

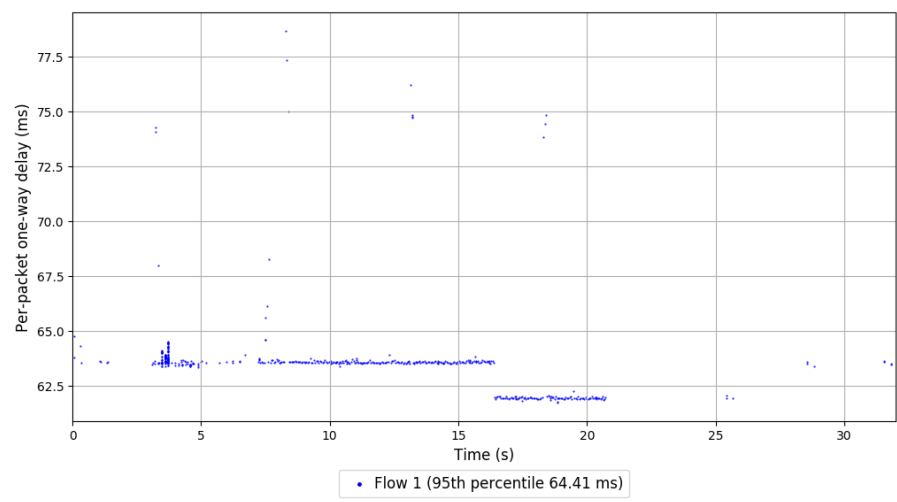
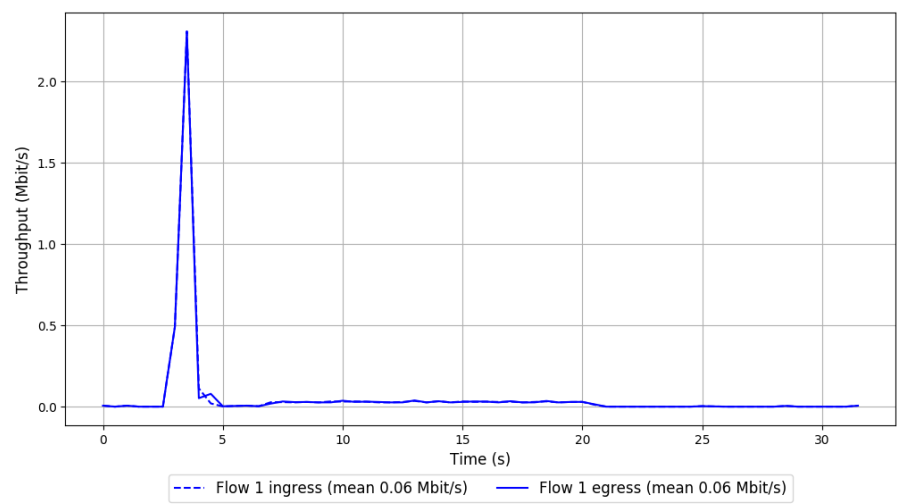
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 64.407 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 21:47:10

End at: 2018-04-17 21:47:40

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.984 ms

Loss rate: 0.00%

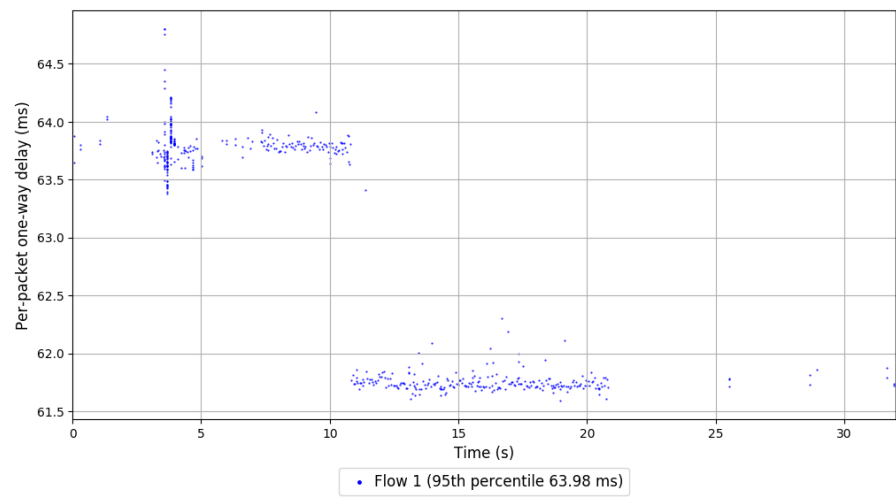
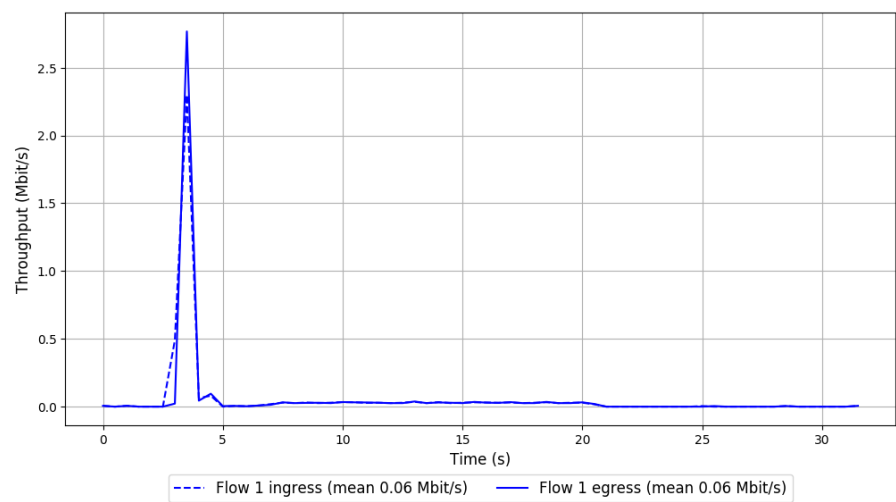
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.984 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 22:00:02

End at: 2018-04-17 22:00:32

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.901 ms

Loss rate: 0.00%

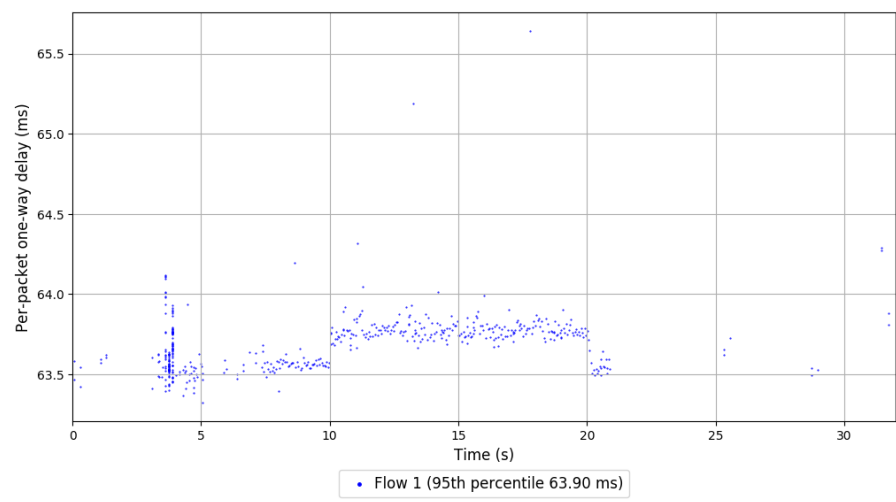
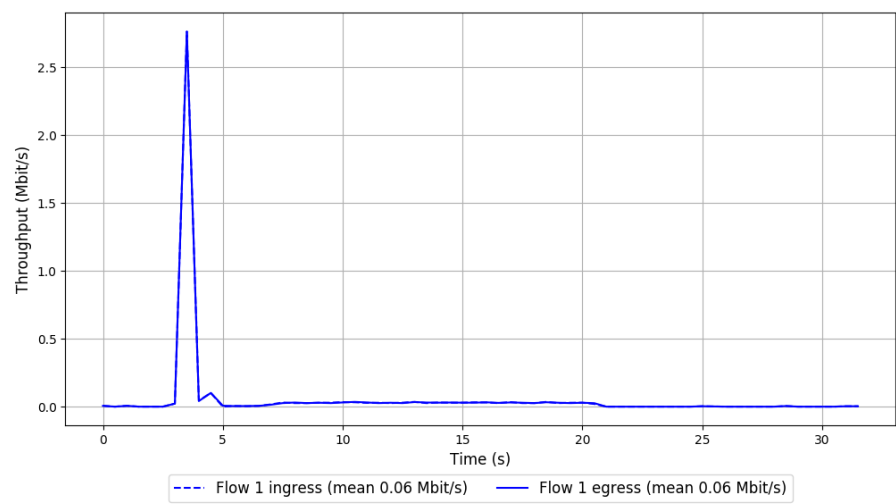
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.901 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 22:12:57

End at: 2018-04-17 22:13:27

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.628 ms

Loss rate: 0.00%

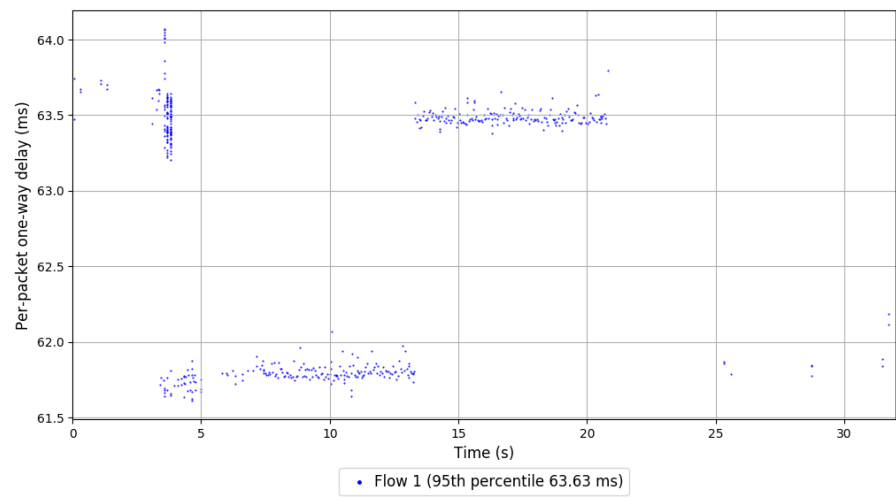
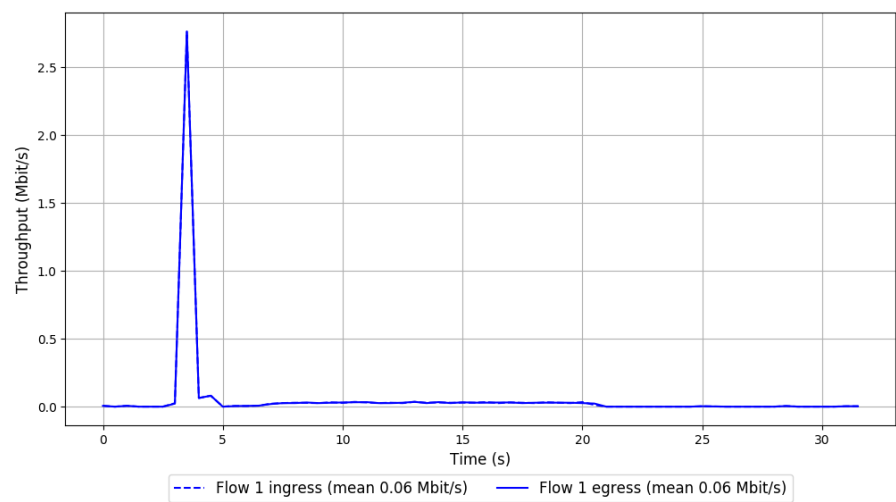
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.628 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 22:26:07

End at: 2018-04-17 22:26:37

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

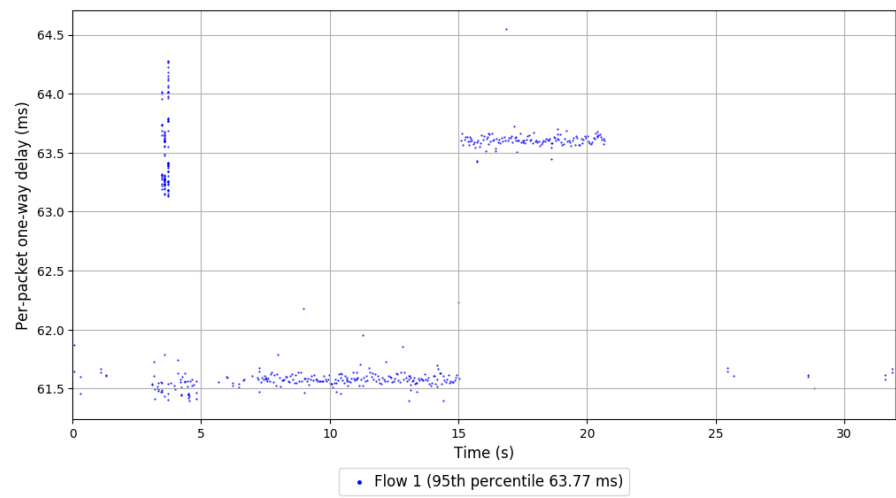
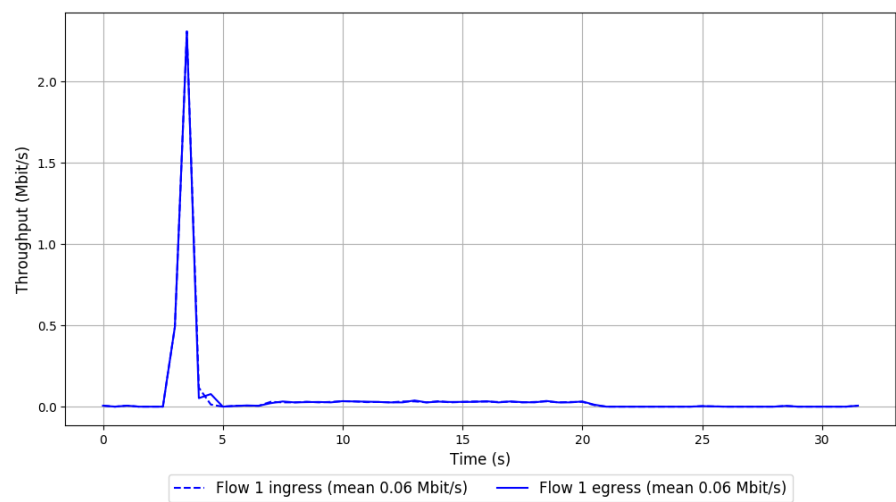
-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 22:39:16

End at: 2018-04-17 22:39:46

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.593 ms

Loss rate: 0.00%

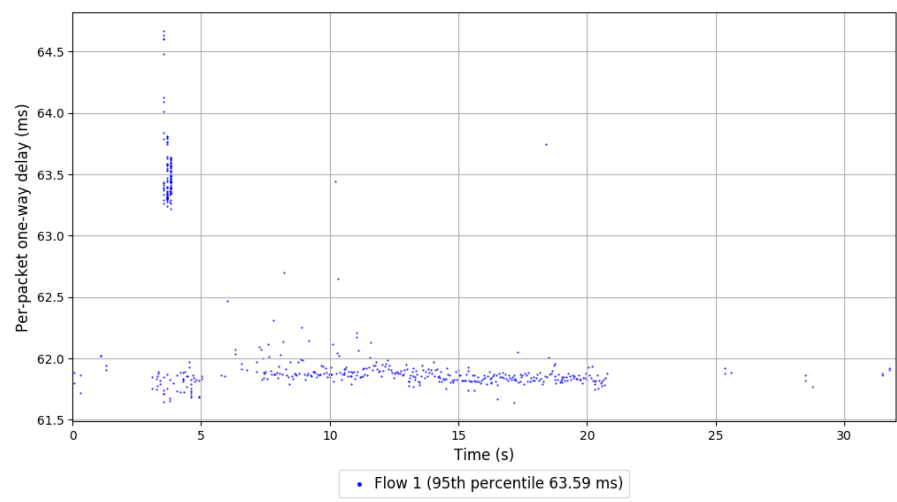
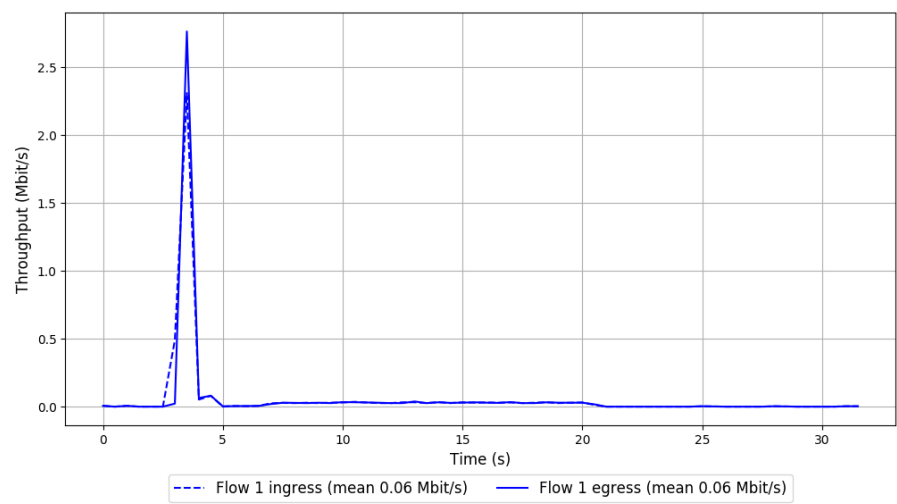
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.593 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 22:52:22

End at: 2018-04-17 22:52:52

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.944 ms

Loss rate: 0.00%

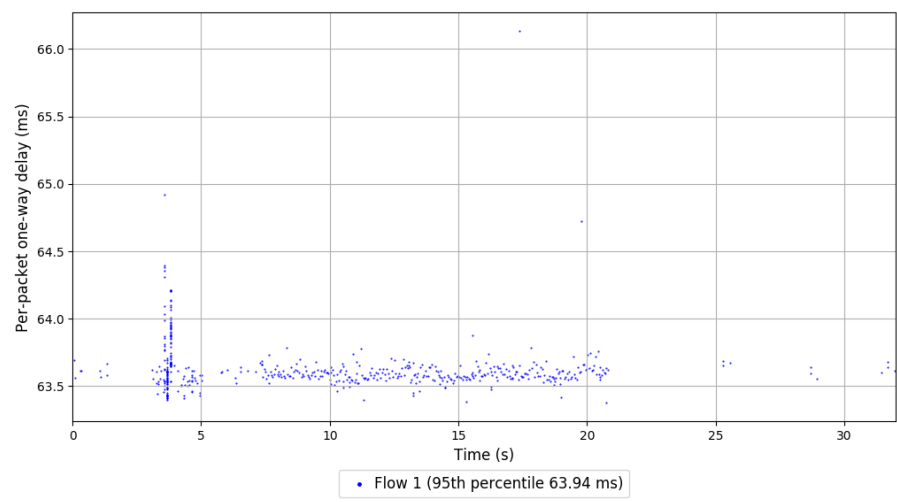
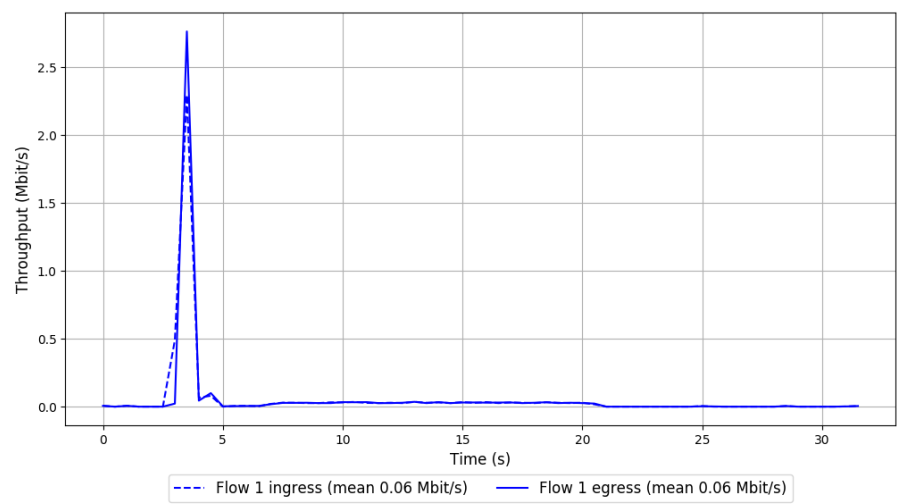
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.944 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 23:05:25

End at: 2018-04-17 23:05:55

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.946 ms

Loss rate: 0.00%

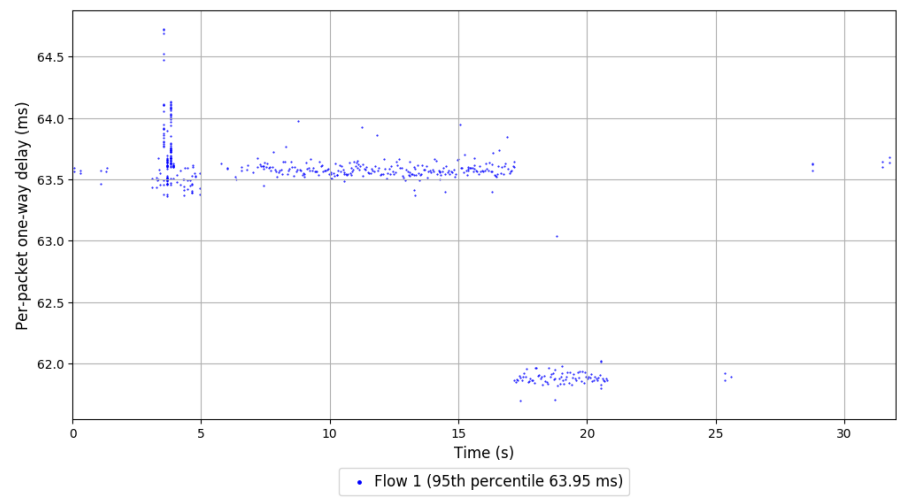
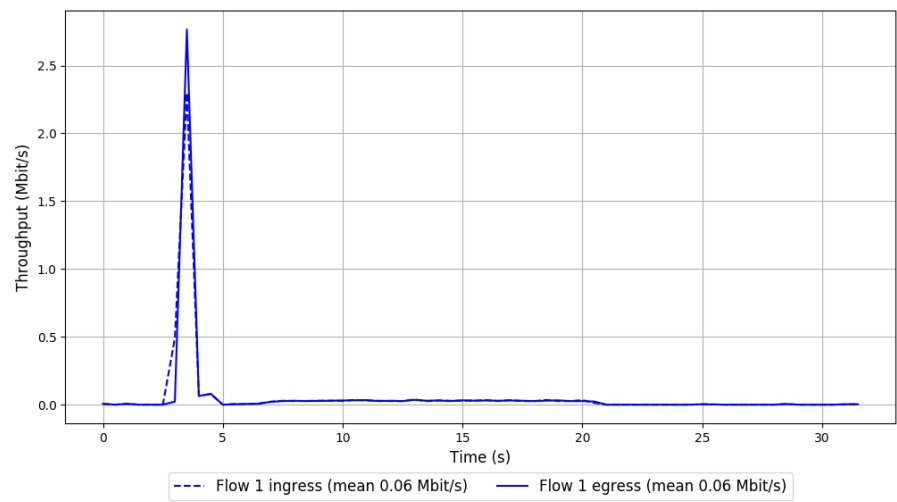
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.946 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 21:01:23

End at: 2018-04-17 21:01:53

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 64.501 ms

Loss rate: 0.00%

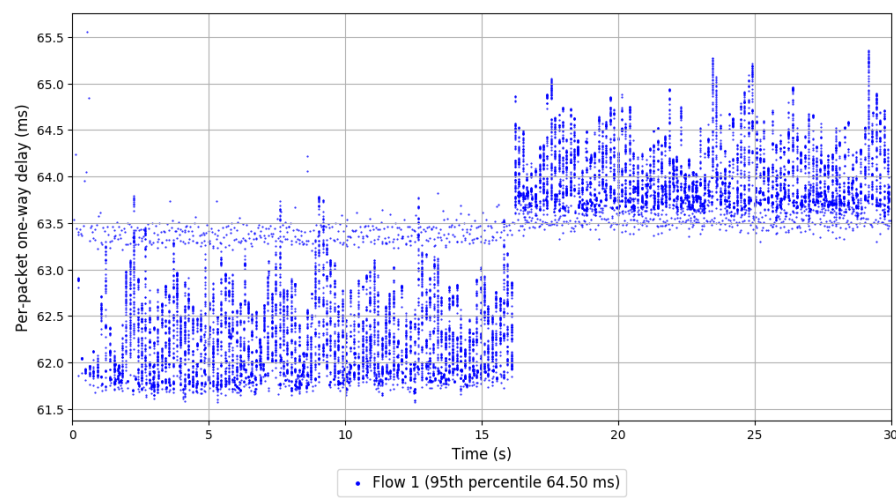
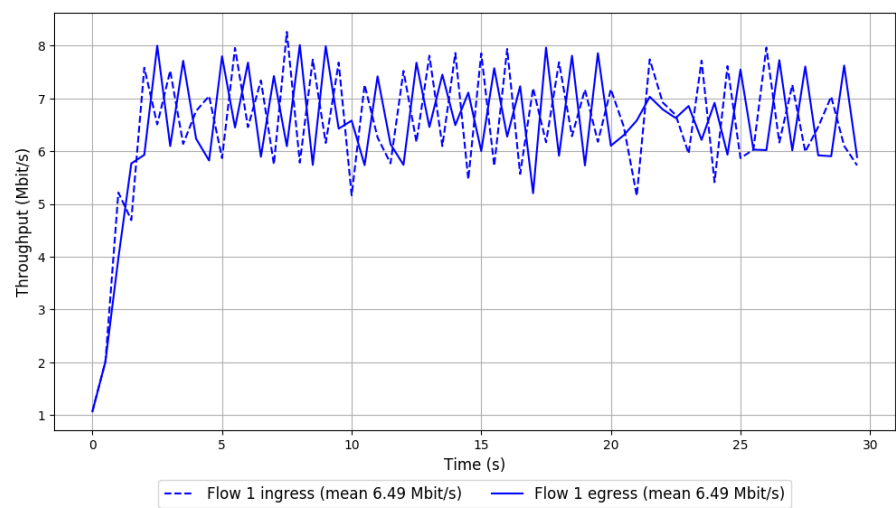
-- Flow 1:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 64.501 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 21:14:24

End at: 2018-04-17 21:14:54

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 64.808 ms

Loss rate: 0.00%

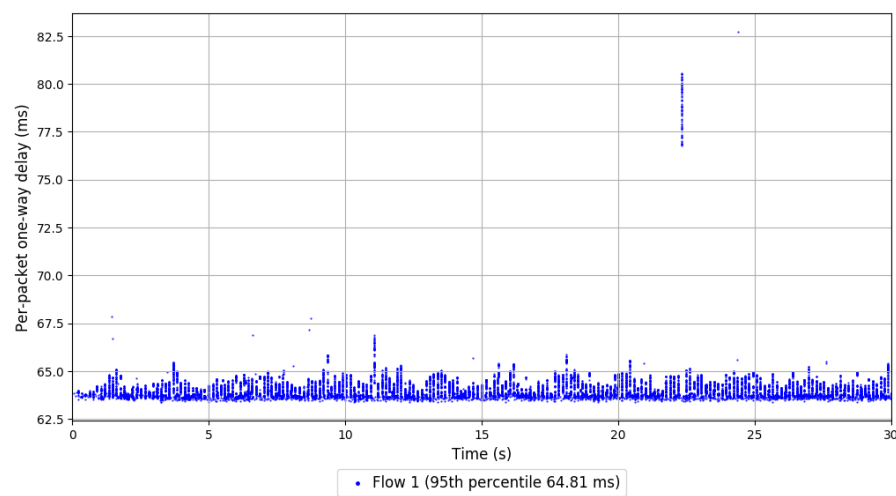
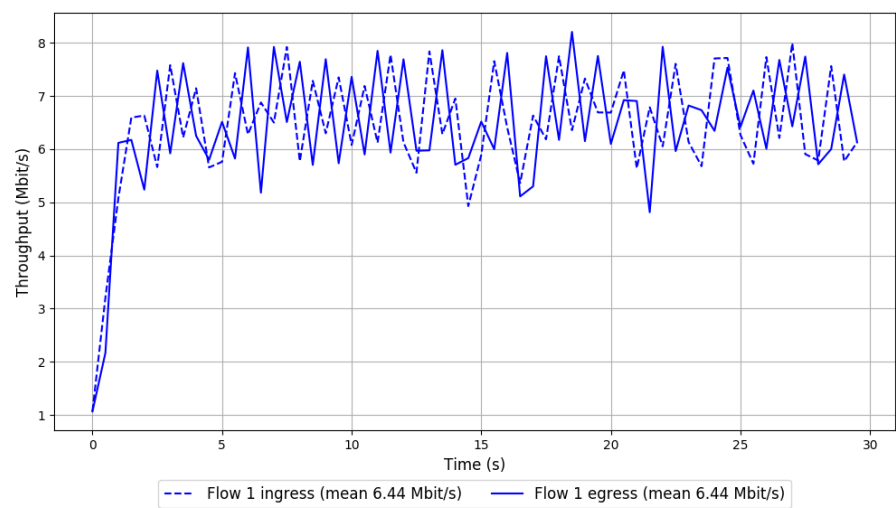
-- Flow 1:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 64.808 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-17 21:27:20

End at: 2018-04-17 21:27:50

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.51 Mbit/s

95th percentile per-packet one-way delay: 64.709 ms

Loss rate: 0.00%

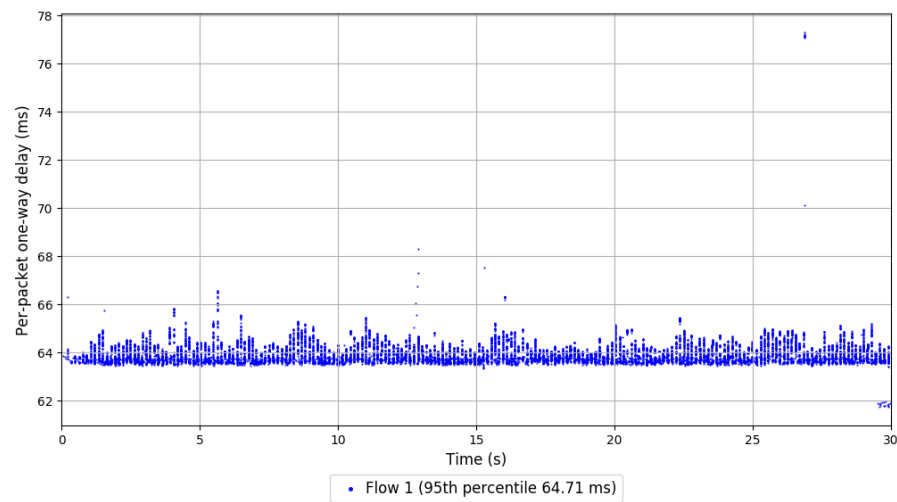
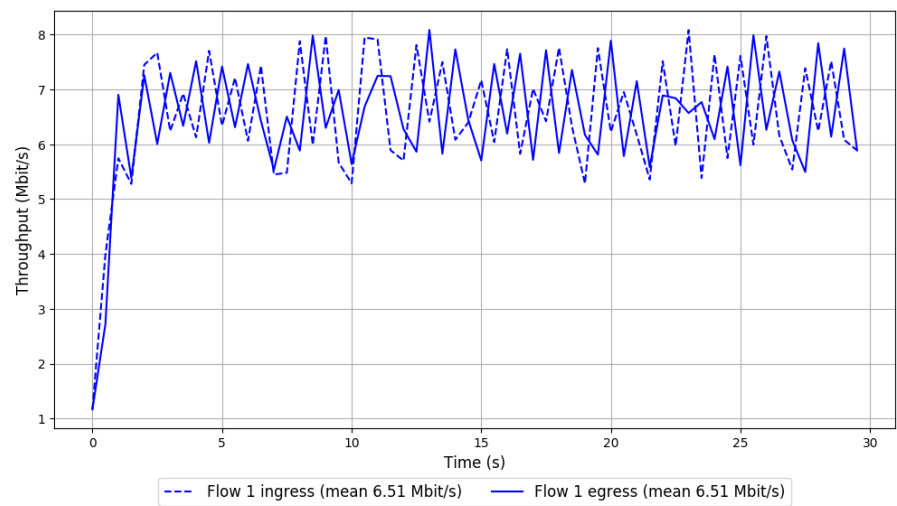
-- Flow 1:

Average throughput: 6.51 Mbit/s

95th percentile per-packet one-way delay: 64.709 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 21:40:24

End at: 2018-04-17 21:40:54

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.948 ms

Loss rate: 0.00%

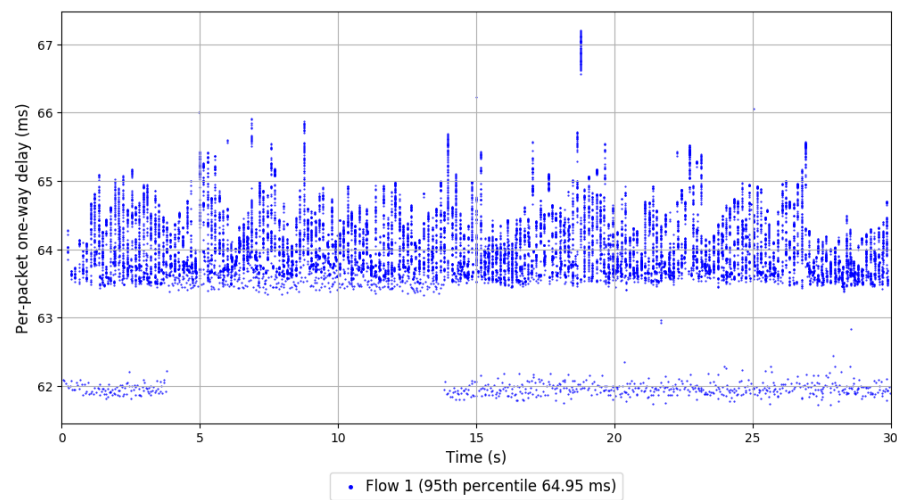
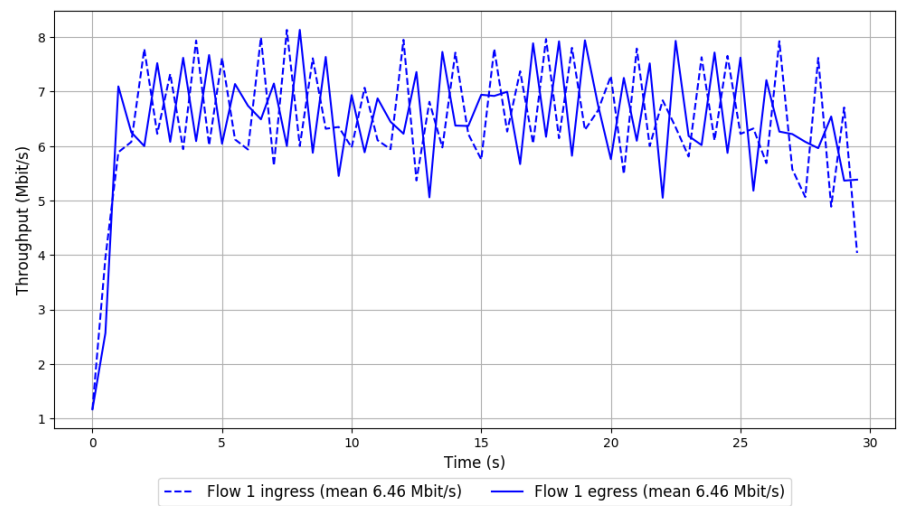
-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.948 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 21:53:12

End at: 2018-04-17 21:53:42

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 64.811 ms

Loss rate: 0.00%

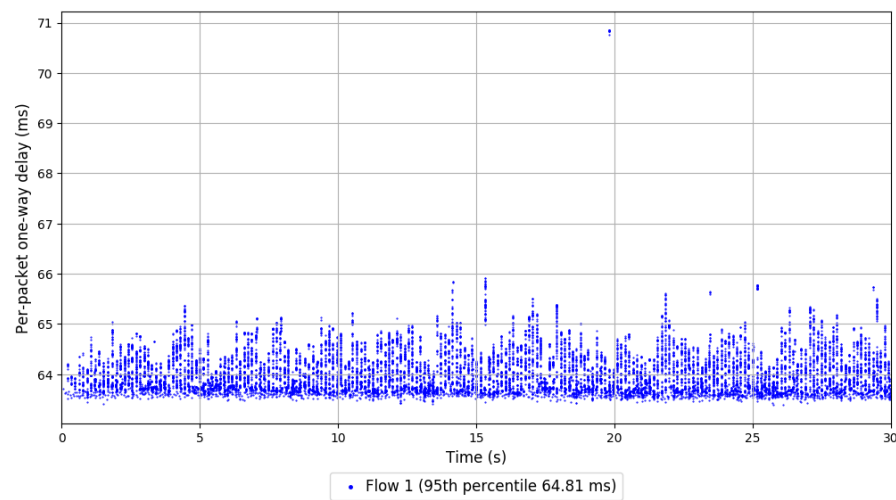
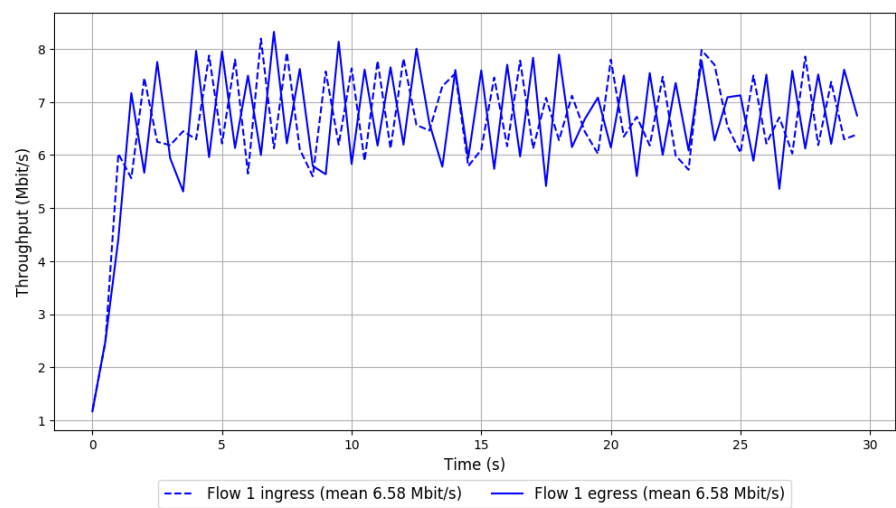
-- Flow 1:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 64.811 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 22:06:05

End at: 2018-04-17 22:06:35

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 64.732 ms

Loss rate: 0.00%

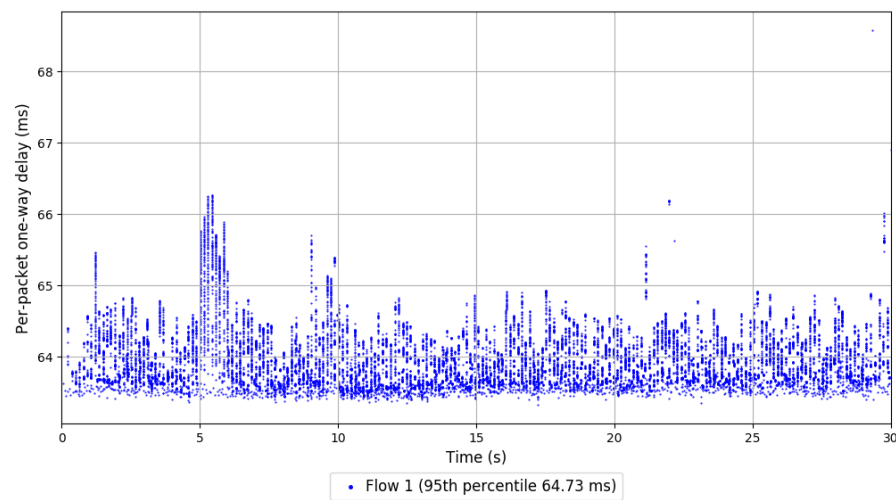
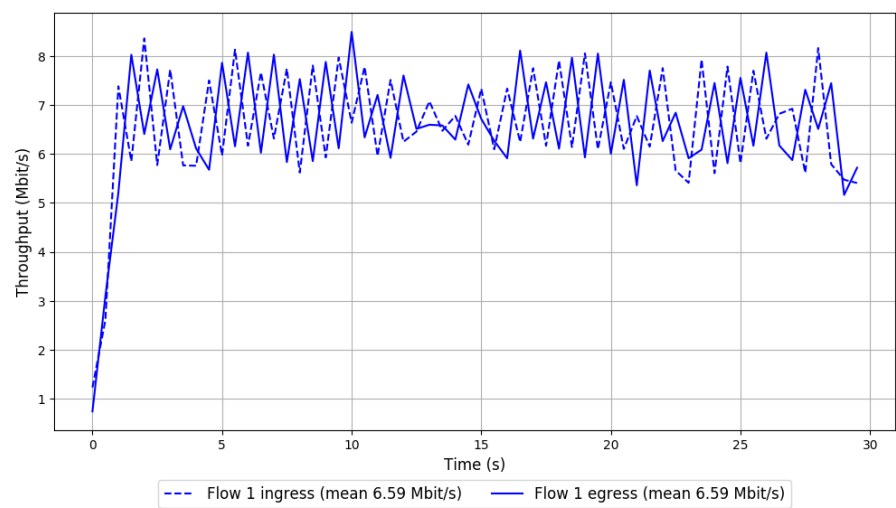
-- Flow 1:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 64.732 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-17 22:19:05

End at: 2018-04-17 22:19:35

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 64.610 ms

Loss rate: 0.00%

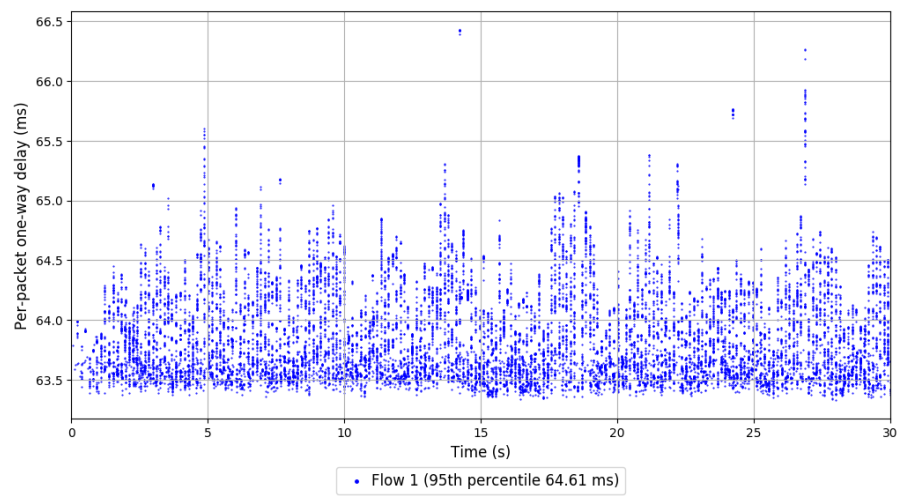
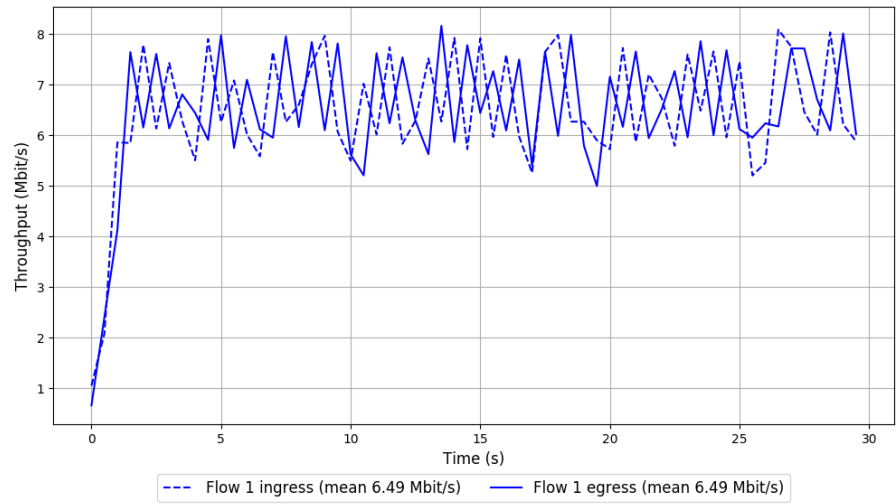
-- Flow 1:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 64.610 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 22:32:12

End at: 2018-04-17 22:32:42

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 64.515 ms

Loss rate: 0.00%

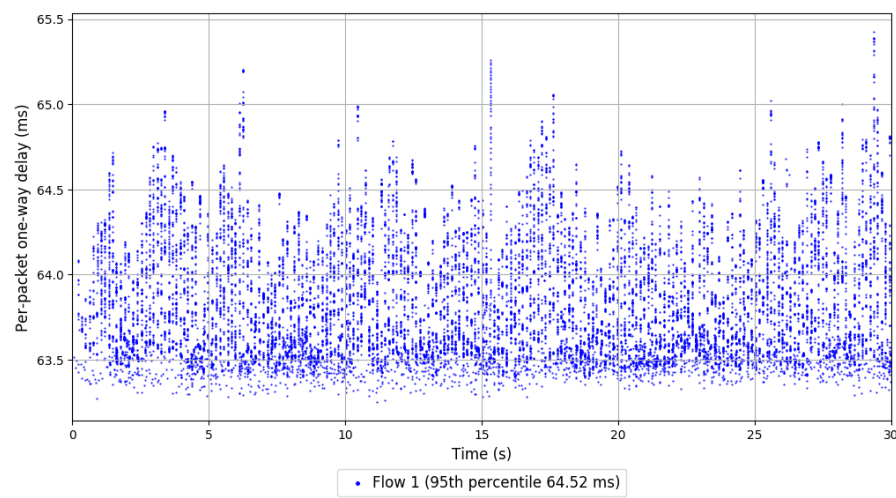
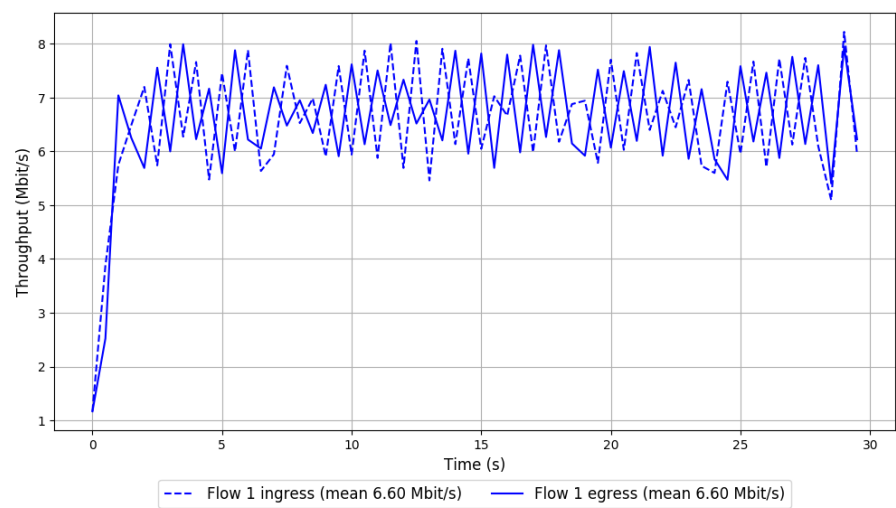
-- Flow 1:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 64.515 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 22:45:26

End at: 2018-04-17 22:45:56

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 64.654 ms

Loss rate: 0.00%

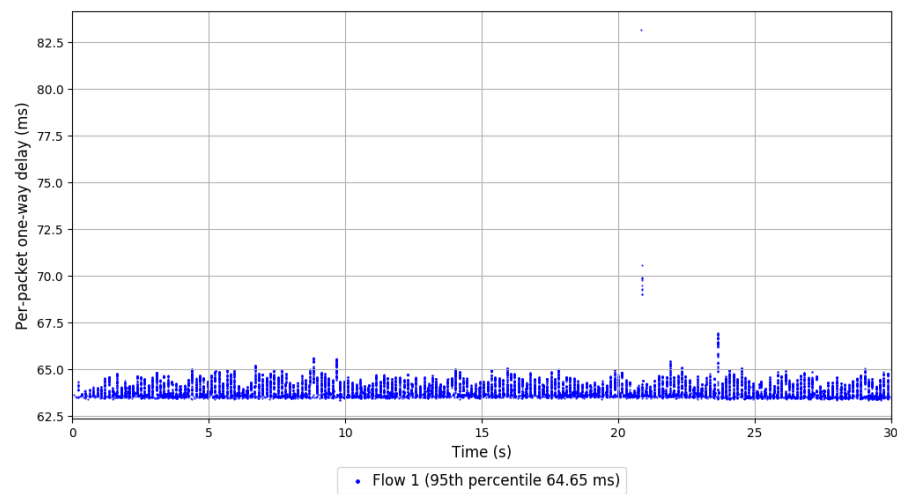
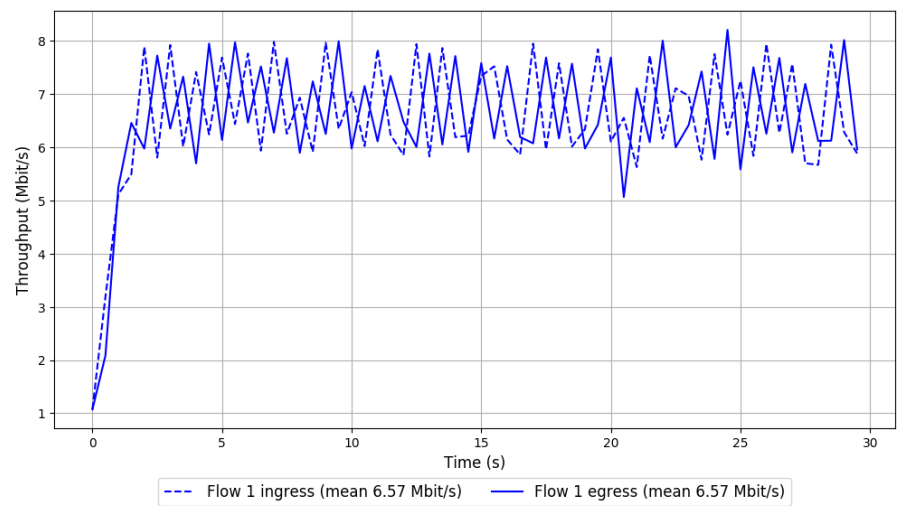
-- Flow 1:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 64.654 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 22:58:27

End at: 2018-04-17 22:58:57

Below is generated by plot.py at 2018-04-18 00:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 64.828 ms

Loss rate: 0.00%

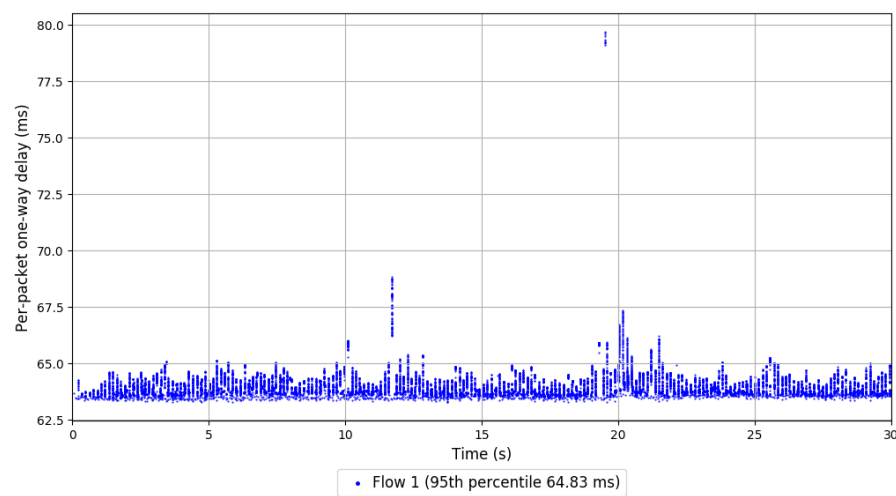
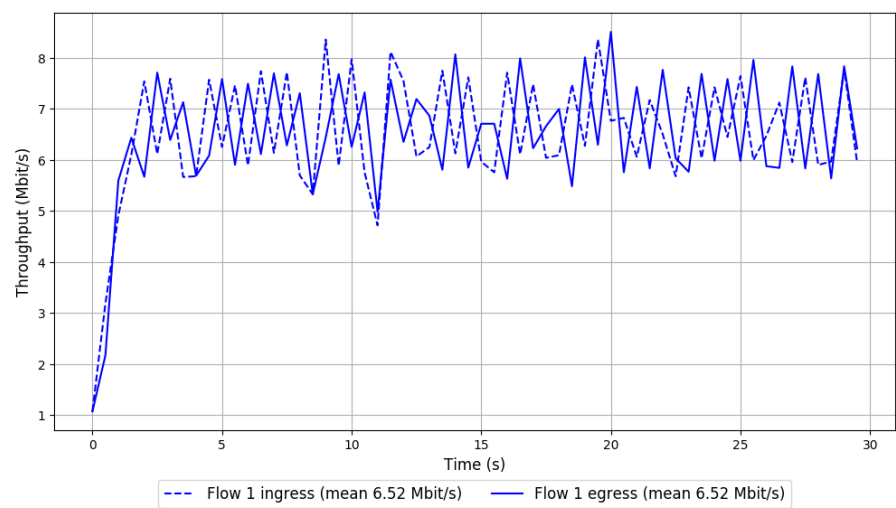
-- Flow 1:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 64.828 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

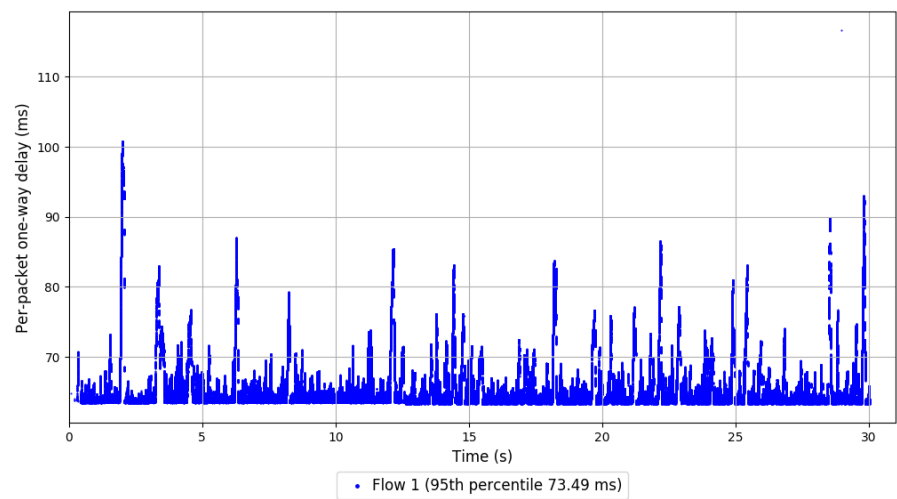
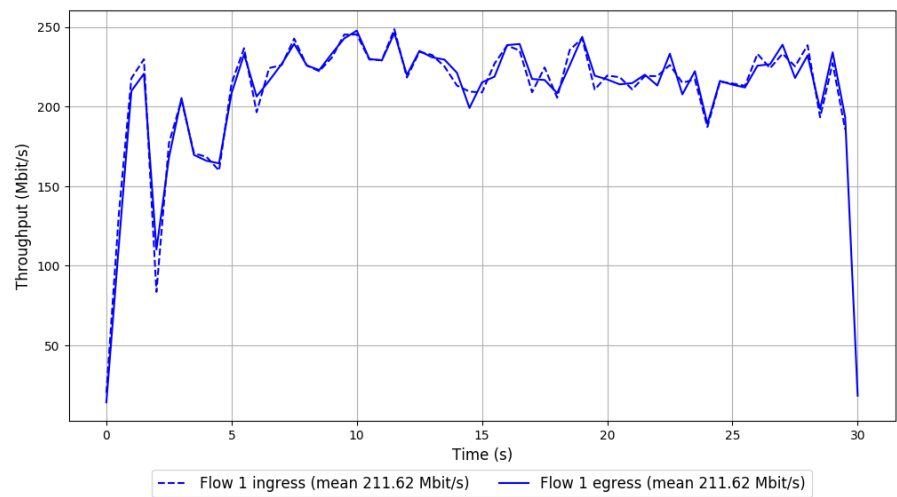


```
Run 1: Statistics of TaoVA-100x

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

# Below is generated by plot.py at 2018-04-18 00:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.62 Mbit/s
95th percentile per-packet one-way delay: 73.488 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 211.62 Mbit/s
95th percentile per-packet one-way delay: 73.488 ms
Loss rate: 0.01%
```


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

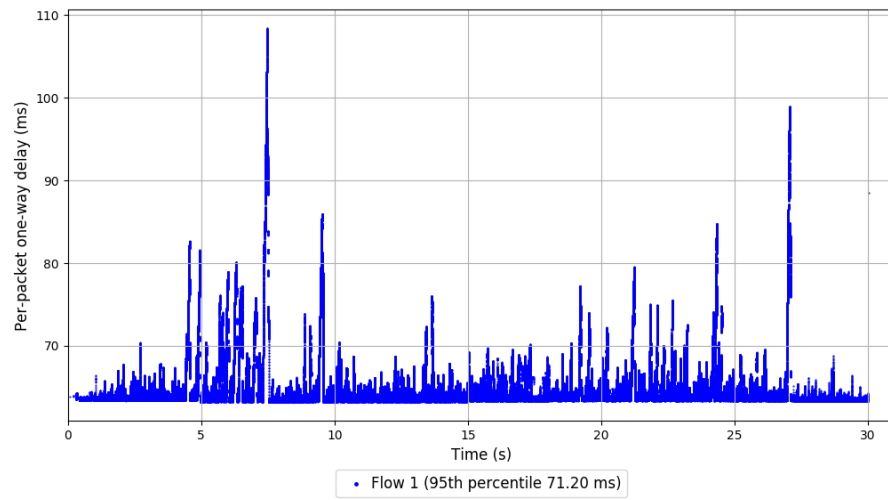
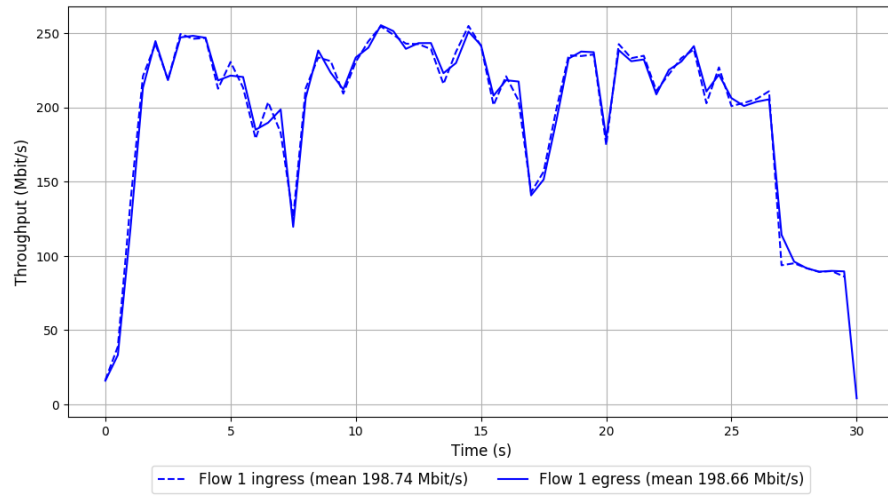


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 21:17:13
End at: 2018-04-17 21:17:43

# Below is generated by plot.py at 2018-04-18 00:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.66 Mbit/s
95th percentile per-packet one-way delay: 71.197 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 198.66 Mbit/s
95th percentile per-packet one-way delay: 71.197 ms
Loss rate: 0.03%
```

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

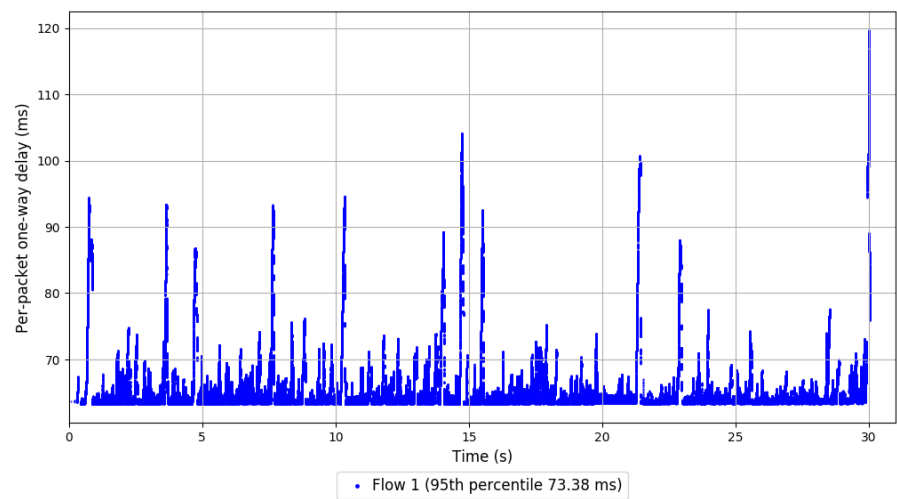
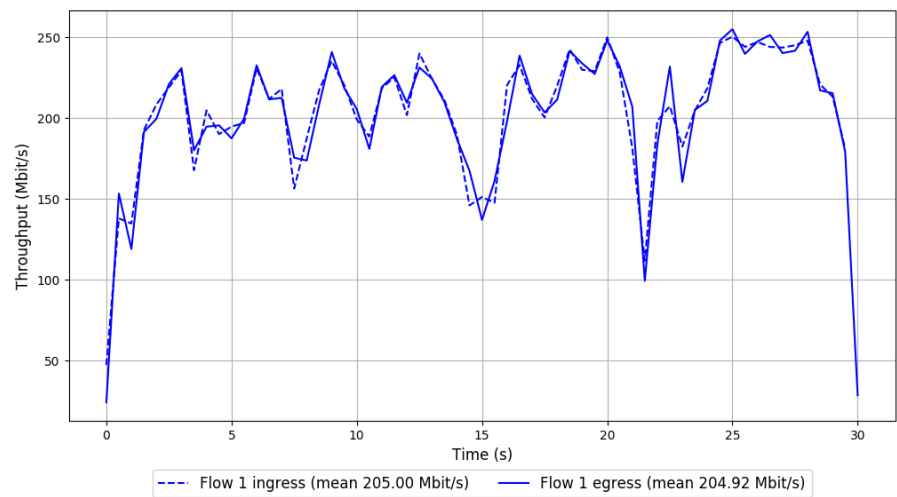


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 21:30:08
End at: 2018-04-17 21:30:38

# Below is generated by plot.py at 2018-04-18 00:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.92 Mbit/s
95th percentile per-packet one-way delay: 73.379 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 204.92 Mbit/s
95th percentile per-packet one-way delay: 73.379 ms
Loss rate: 0.02%
```

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

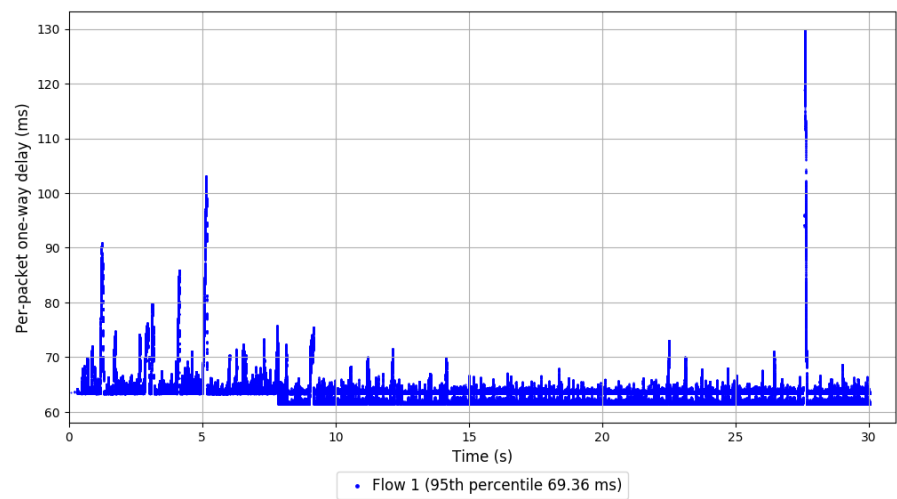
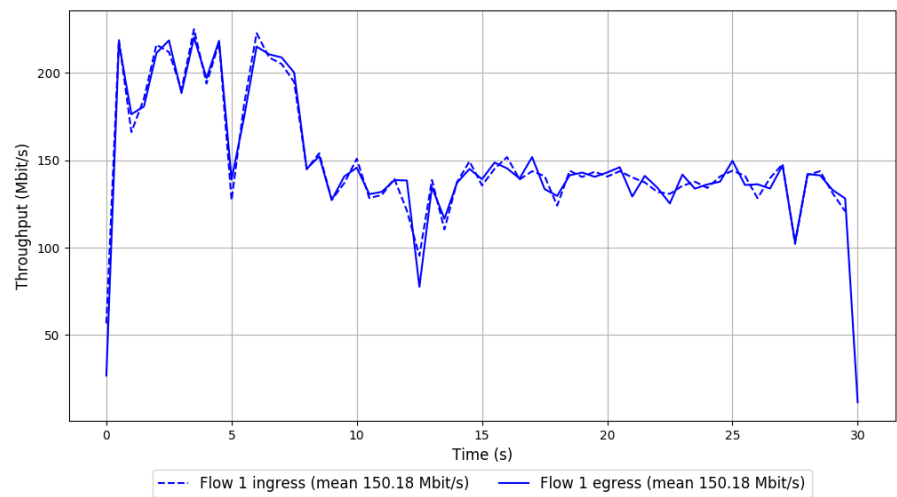


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 21:43:10
End at: 2018-04-17 21:43:40

# Below is generated by plot.py at 2018-04-18 00:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 150.18 Mbit/s
95th percentile per-packet one-way delay: 69.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.18 Mbit/s
95th percentile per-packet one-way delay: 69.357 ms
Loss rate: 0.00%
```

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

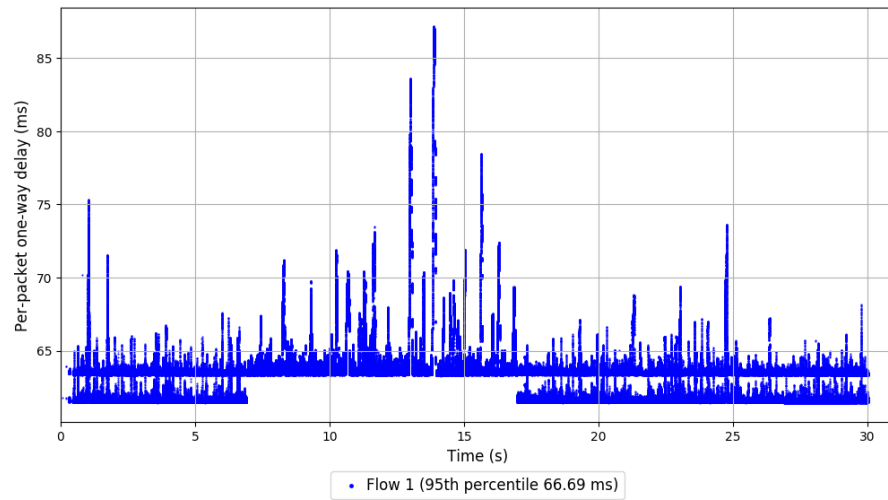
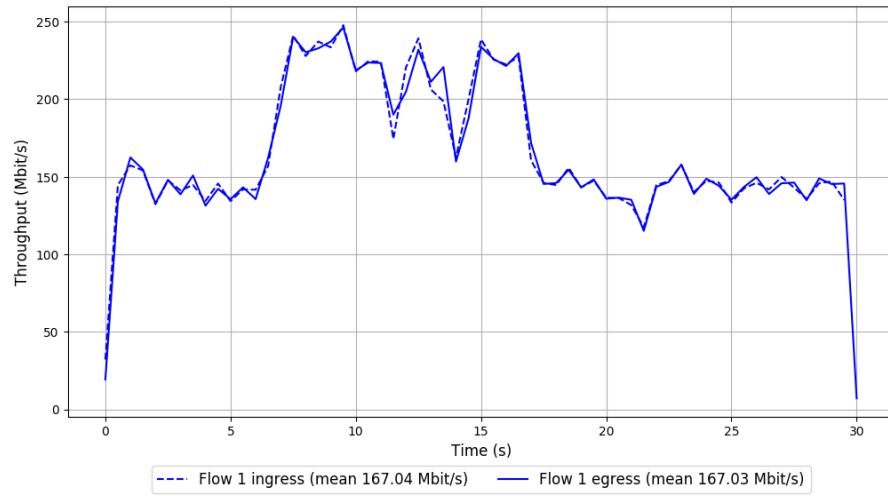


```
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 21:56:01
End at: 2018-04-17 21:56:31

# Below is generated by plot.py at 2018-04-18 00:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 167.03 Mbit/s
95th percentile per-packet one-way delay: 66.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.03 Mbit/s
95th percentile per-packet one-way delay: 66.688 ms
Loss rate: 0.00%
```


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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 22:09:00

End at: 2018-04-17 22:09:30

Below is generated by plot.py at 2018-04-18 00:40:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.29 Mbit/s

95th percentile per-packet one-way delay: 64.752 ms

Loss rate: 0.01%

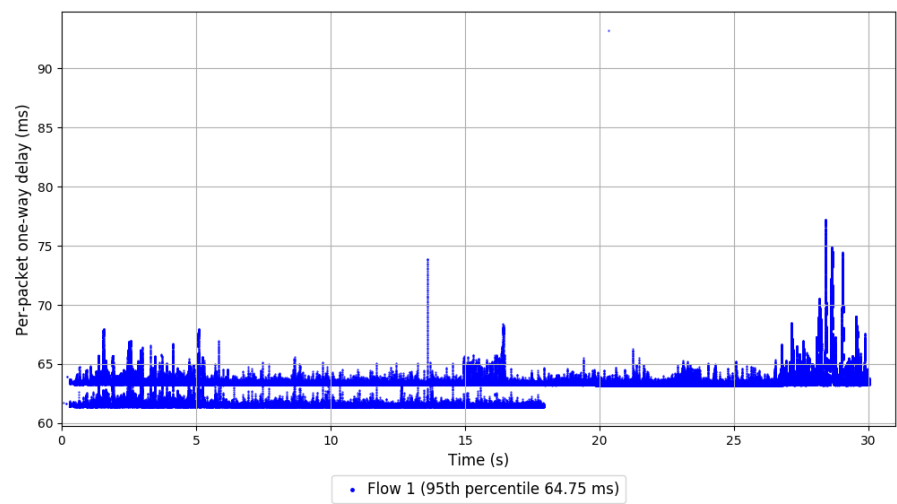
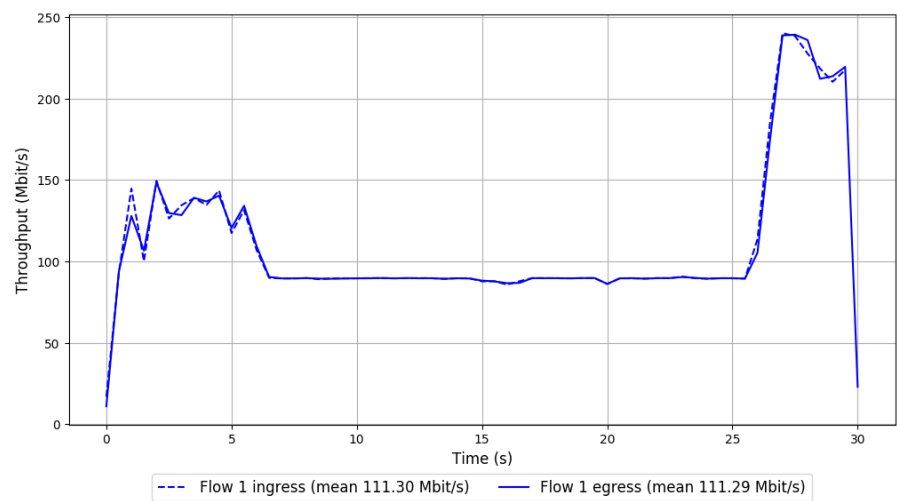
-- Flow 1:

Average throughput: 111.29 Mbit/s

95th percentile per-packet one-way delay: 64.752 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 22:21:57

End at: 2018-04-17 22:22:27

Below is generated by plot.py at 2018-04-18 00:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.30 Mbit/s

95th percentile per-packet one-way delay: 65.901 ms

Loss rate: 0.00%

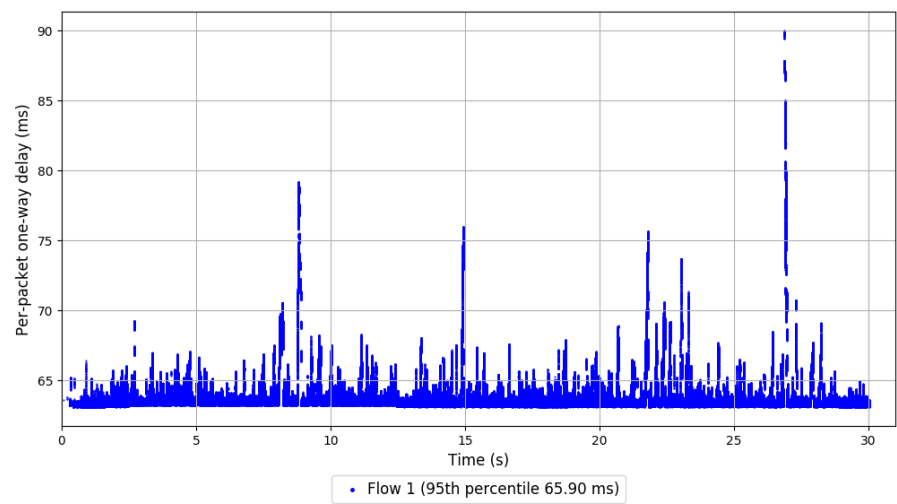
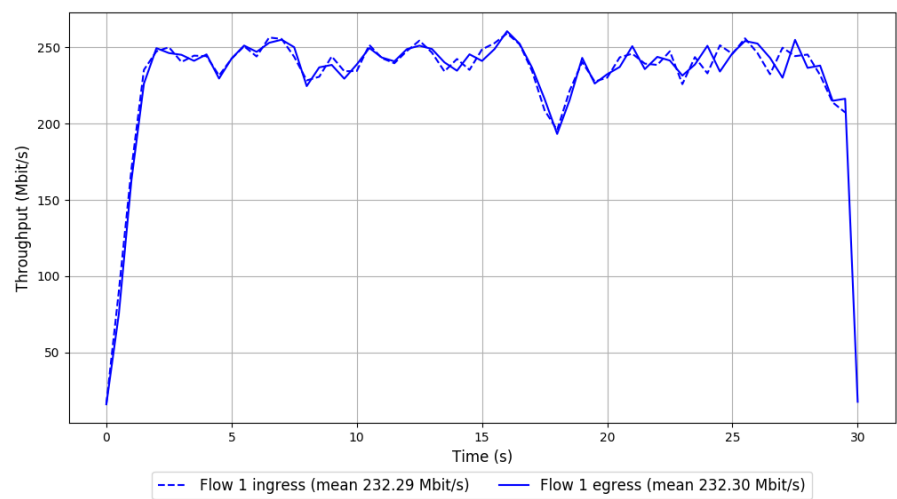
-- Flow 1:

Average throughput: 232.30 Mbit/s

95th percentile per-packet one-way delay: 65.901 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 22:35:06

End at: 2018-04-17 22:35:36

Below is generated by plot.py at 2018-04-18 00:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.95 Mbit/s

95th percentile per-packet one-way delay: 68.801 ms

Loss rate: 0.00%

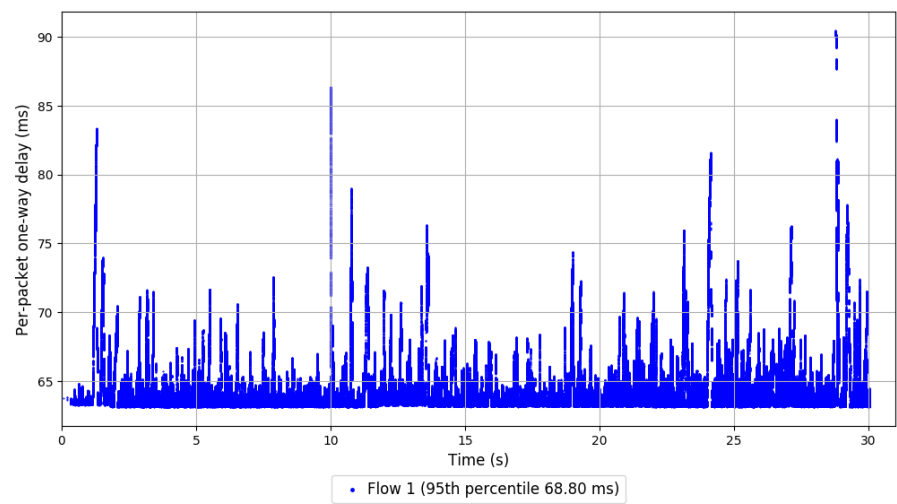
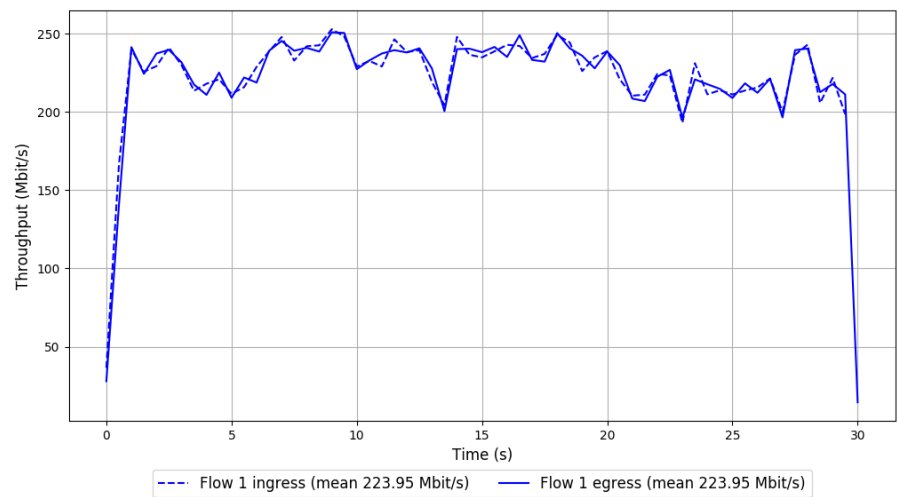
-- Flow 1:

Average throughput: 223.95 Mbit/s

95th percentile per-packet one-way delay: 68.801 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 22:48:19

End at: 2018-04-17 22:48:49

Below is generated by plot.py at 2018-04-18 00:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.34 Mbit/s

95th percentile per-packet one-way delay: 65.955 ms

Loss rate: 0.01%

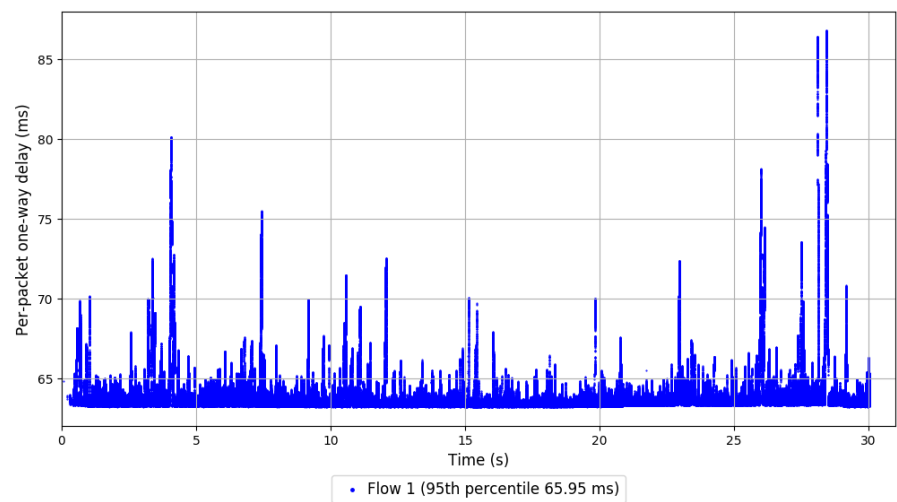
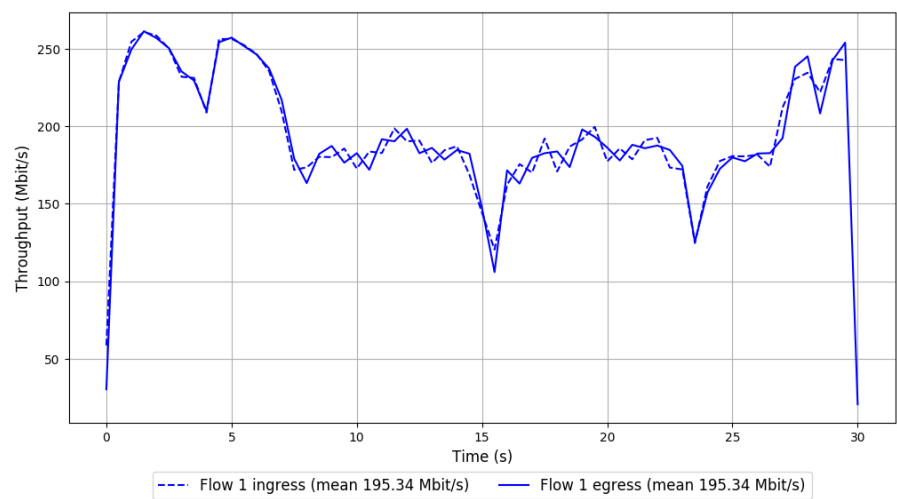
-- Flow 1:

Average throughput: 195.34 Mbit/s

95th percentile per-packet one-way delay: 65.955 ms

Loss rate: 0.01%

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

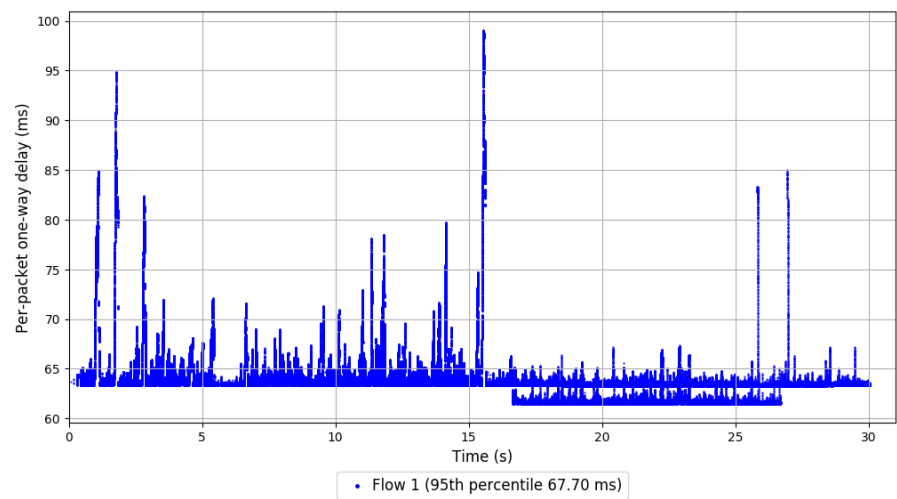
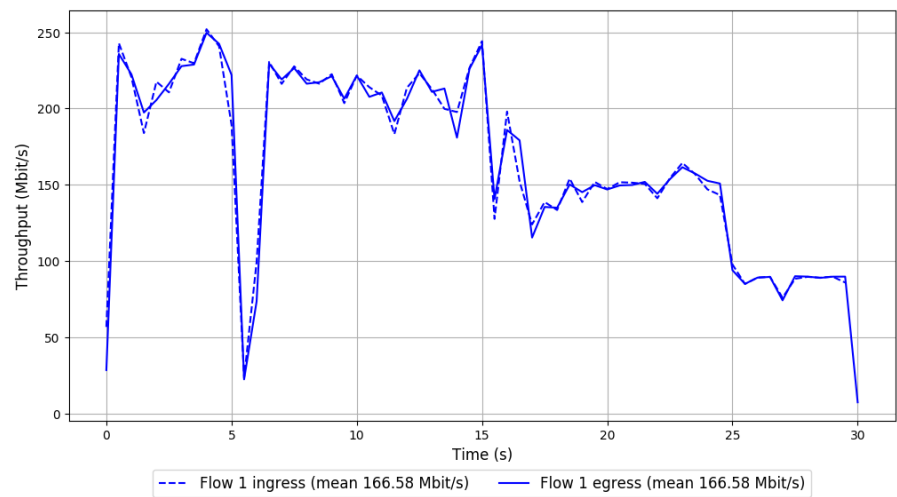


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 23:01:21
End at: 2018-04-17 23:01:51

# Below is generated by plot.py at 2018-04-18 00:44:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.58 Mbit/s
95th percentile per-packet one-way delay: 67.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.58 Mbit/s
95th percentile per-packet one-way delay: 67.702 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 21:03:31

End at: 2018-04-17 21:04:01

Below is generated by plot.py at 2018-04-18 00:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.95 Mbit/s

95th percentile per-packet one-way delay: 79.407 ms

Loss rate: 0.00%

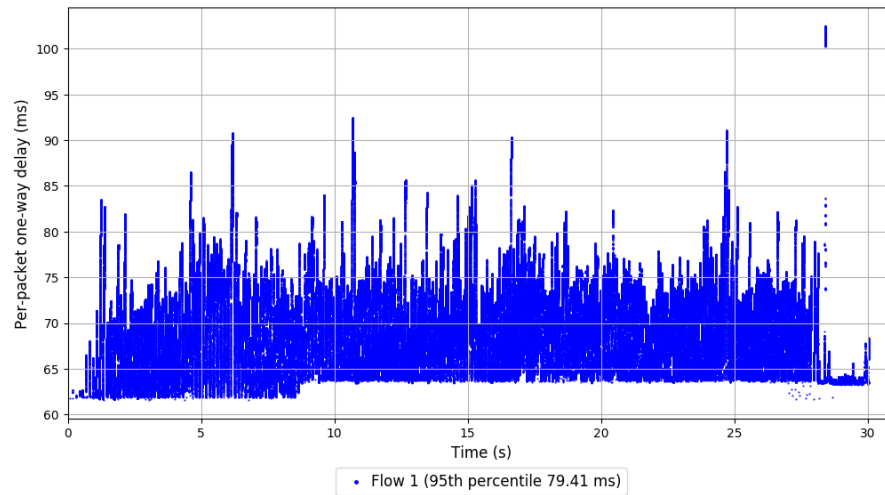
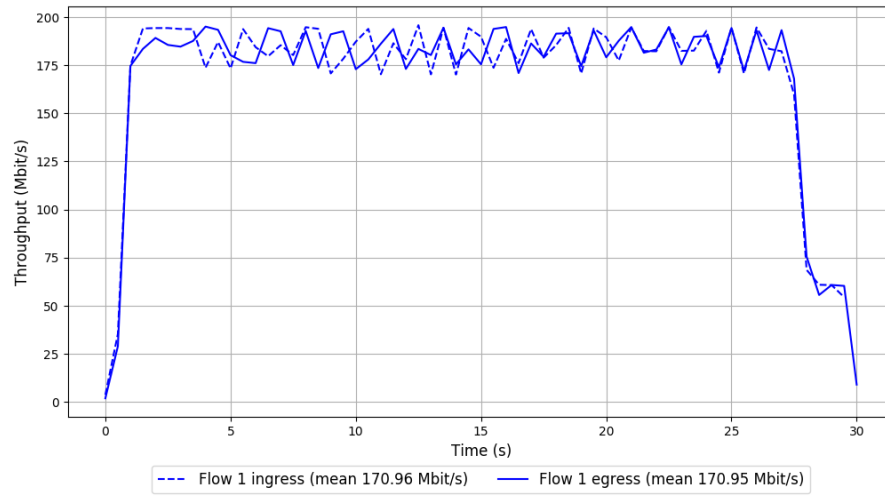
-- Flow 1:

Average throughput: 170.95 Mbit/s

95th percentile per-packet one-way delay: 79.407 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 21:16:32

End at: 2018-04-17 21:17:02

Below is generated by plot.py at 2018-04-18 00:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 66.435 ms

Loss rate: 0.00%

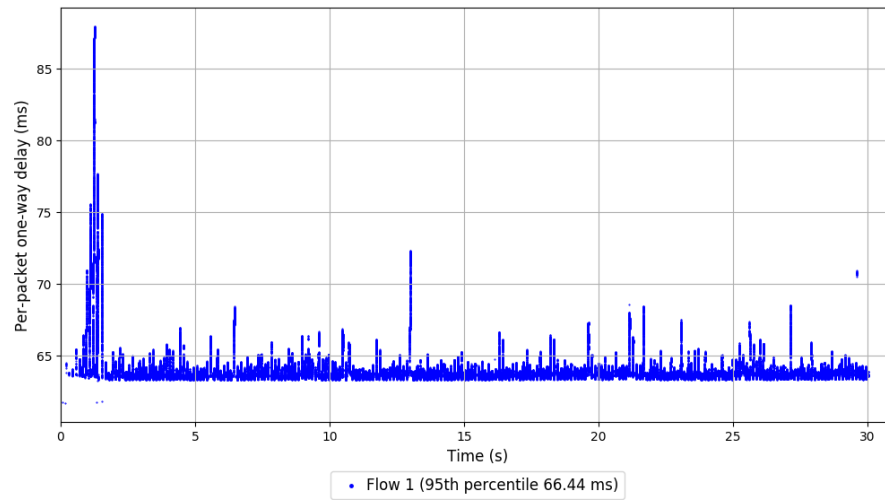
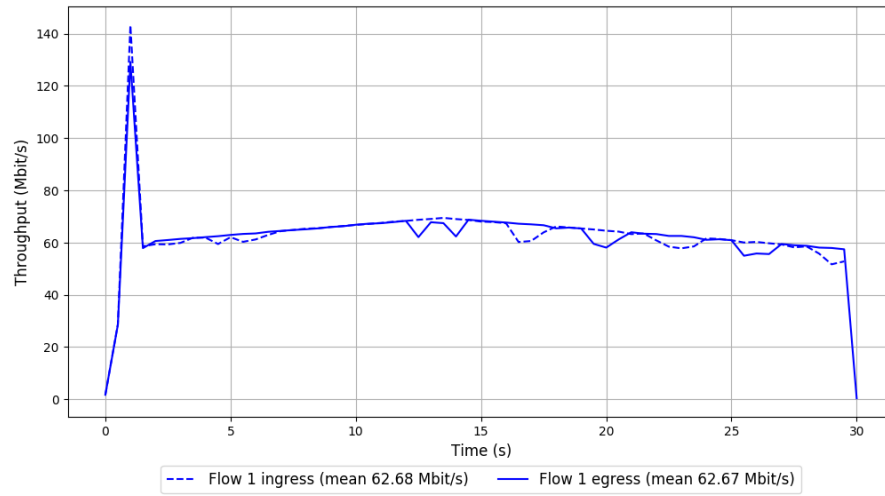
-- Flow 1:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 66.435 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 21:29:27

End at: 2018-04-17 21:29:57

Below is generated by plot.py at 2018-04-18 00:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.03 Mbit/s

95th percentile per-packet one-way delay: 65.831 ms

Loss rate: 0.00%

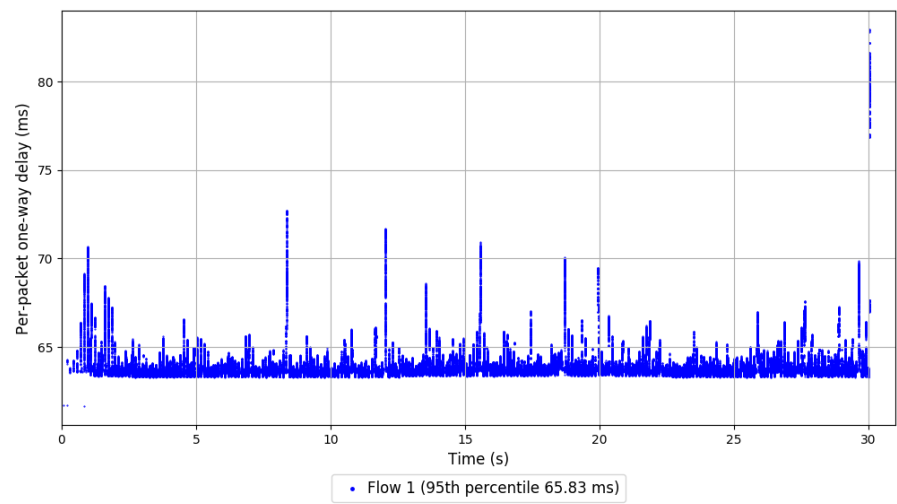
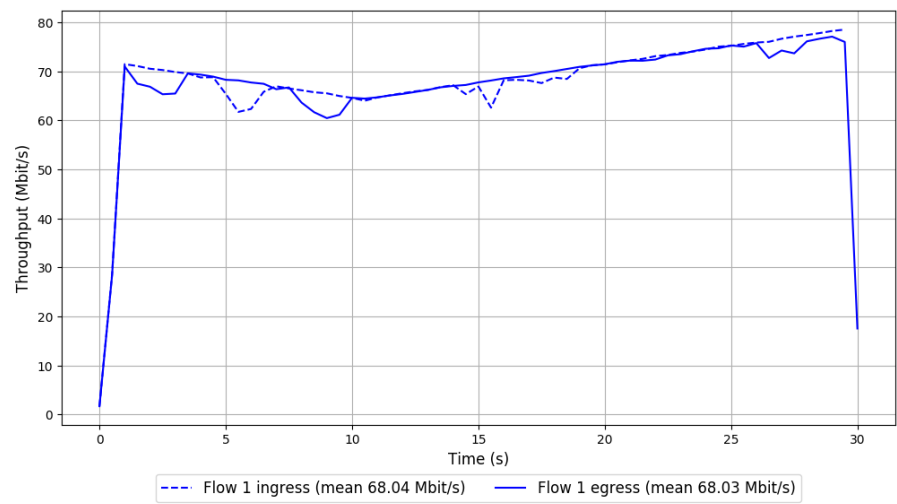
-- Flow 1:

Average throughput: 68.03 Mbit/s

95th percentile per-packet one-way delay: 65.831 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 21:42:30

End at: 2018-04-17 21:43:00

Below is generated by plot.py at 2018-04-18 00:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.63 Mbit/s

95th percentile per-packet one-way delay: 65.257 ms

Loss rate: 0.00%

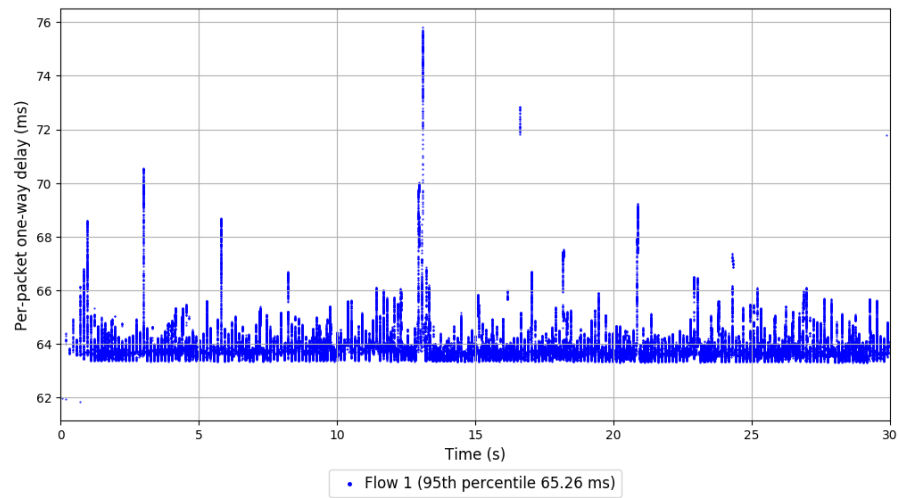
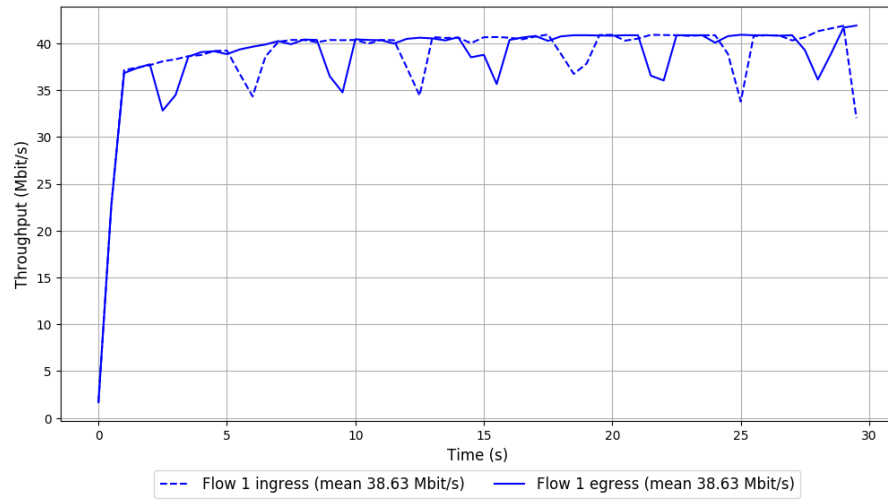
-- Flow 1:

Average throughput: 38.63 Mbit/s

95th percentile per-packet one-way delay: 65.257 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 21:55:19

End at: 2018-04-17 21:55:49

Below is generated by plot.py at 2018-04-18 00:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.96 Mbit/s

95th percentile per-packet one-way delay: 65.306 ms

Loss rate: 0.00%

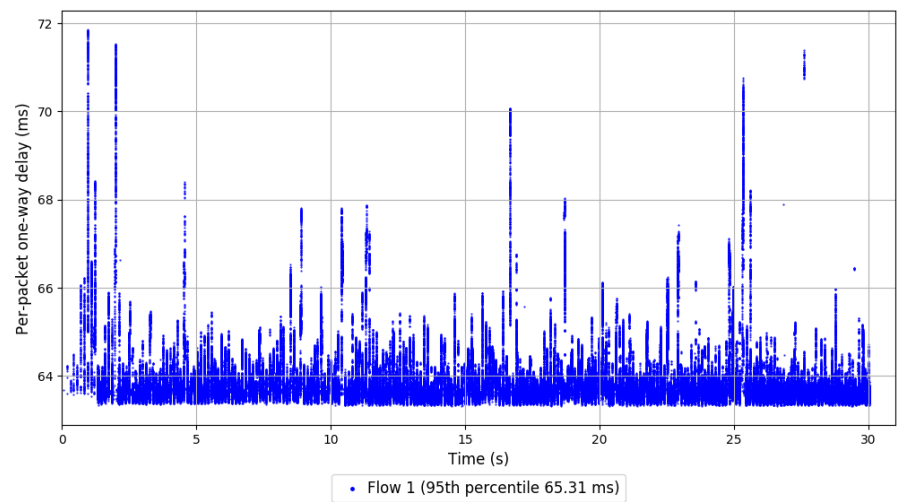
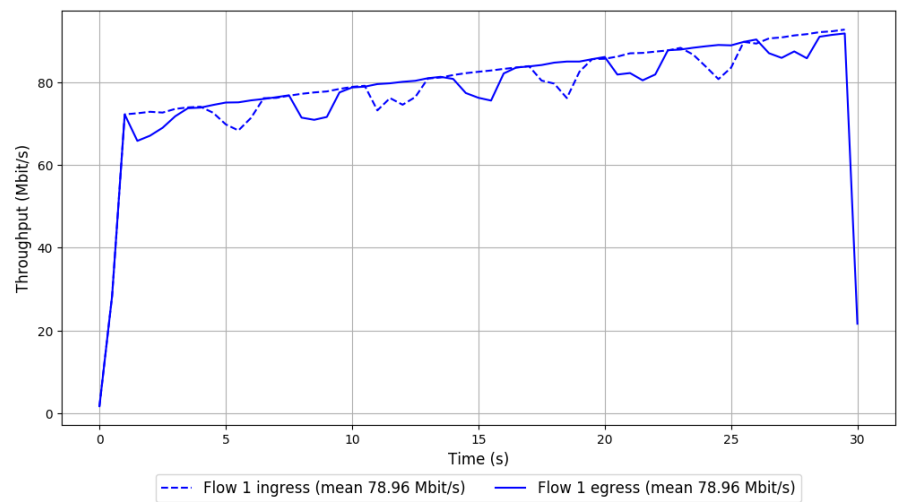
-- Flow 1:

Average throughput: 78.96 Mbit/s

95th percentile per-packet one-way delay: 65.306 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 22:08:13

End at: 2018-04-17 22:08:43

Below is generated by plot.py at 2018-04-18 00:44:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.63 Mbit/s

95th percentile per-packet one-way delay: 75.250 ms

Loss rate: 0.00%

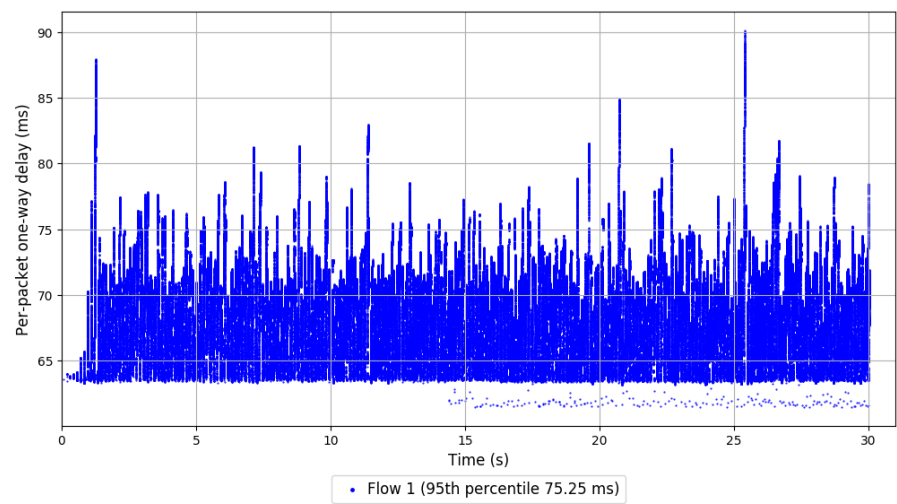
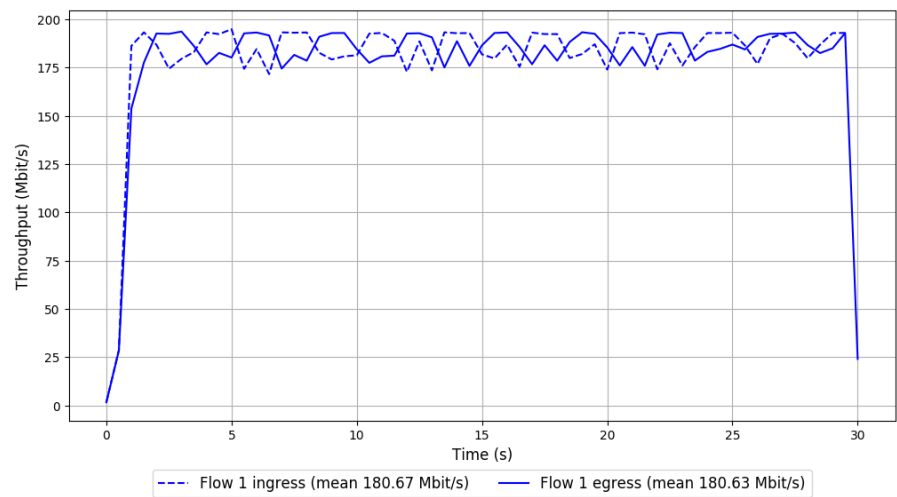
-- Flow 1:

Average throughput: 180.63 Mbit/s

95th percentile per-packet one-way delay: 75.250 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 22:21:13

End at: 2018-04-17 22:21:43

Below is generated by plot.py at 2018-04-18 00:44:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.32 Mbit/s

95th percentile per-packet one-way delay: 65.105 ms

Loss rate: 0.00%

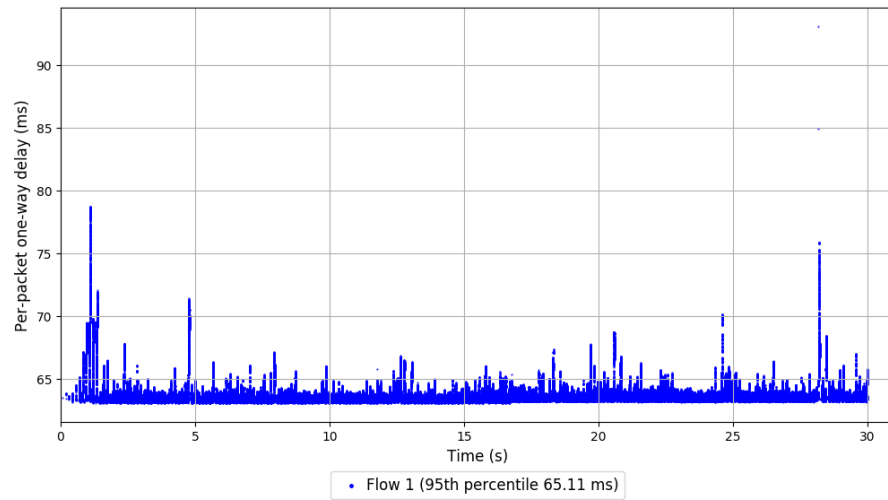
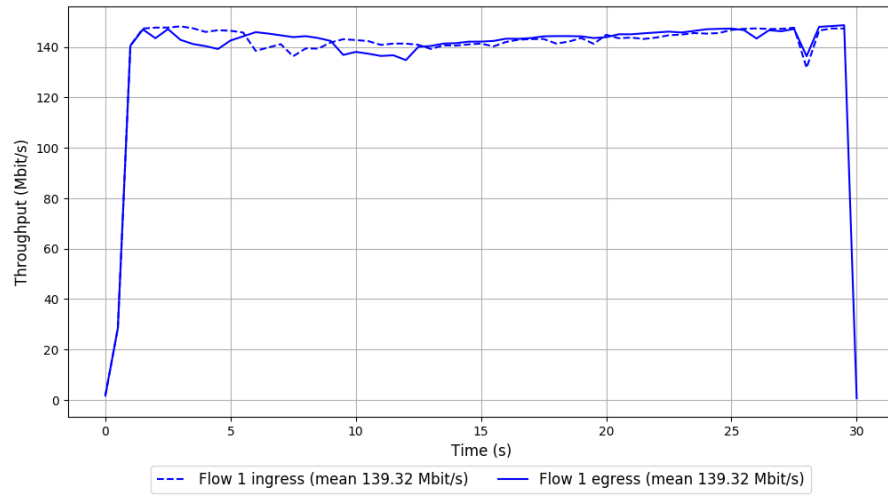
-- Flow 1:

Average throughput: 139.32 Mbit/s

95th percentile per-packet one-way delay: 65.105 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 22:34:20

End at: 2018-04-17 22:34:50

Below is generated by plot.py at 2018-04-18 00:45:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.88 Mbit/s

95th percentile per-packet one-way delay: 75.289 ms

Loss rate: 0.00%

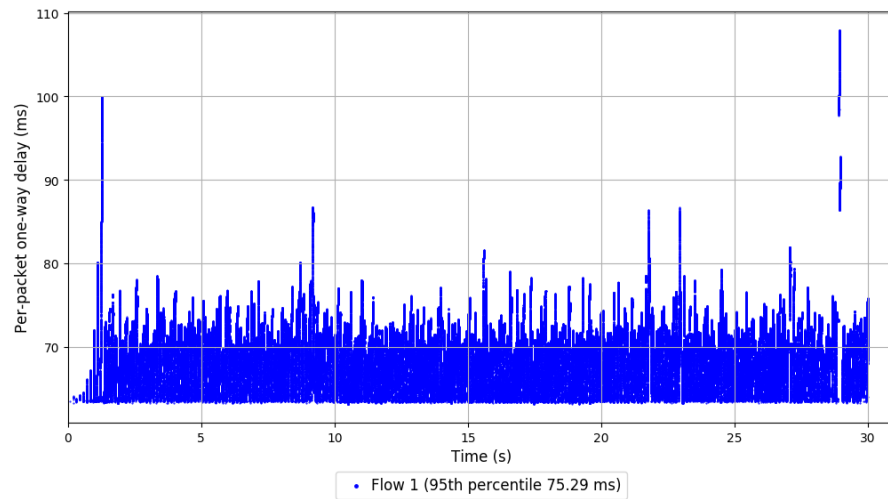
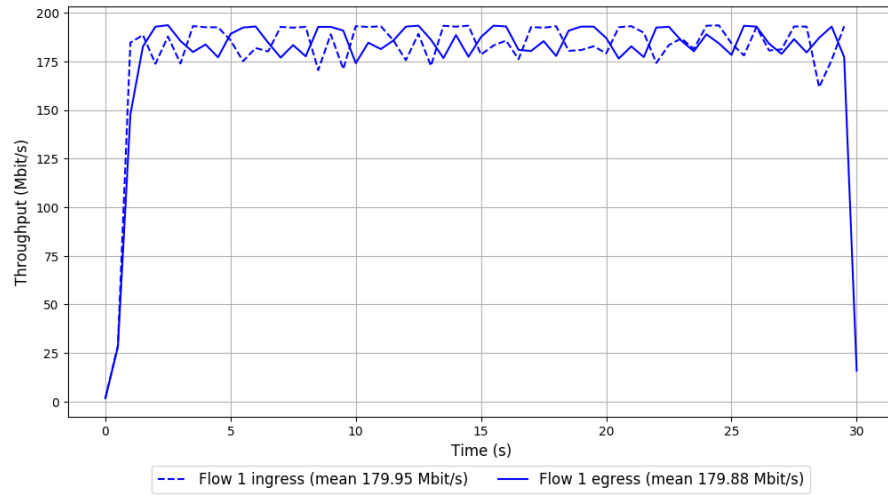
-- Flow 1:

Average throughput: 179.88 Mbit/s

95th percentile per-packet one-way delay: 75.289 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 22:47:33

End at: 2018-04-17 22:48:03

Below is generated by plot.py at 2018-04-18 00:45:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.10 Mbit/s

95th percentile per-packet one-way delay: 74.652 ms

Loss rate: 0.00%

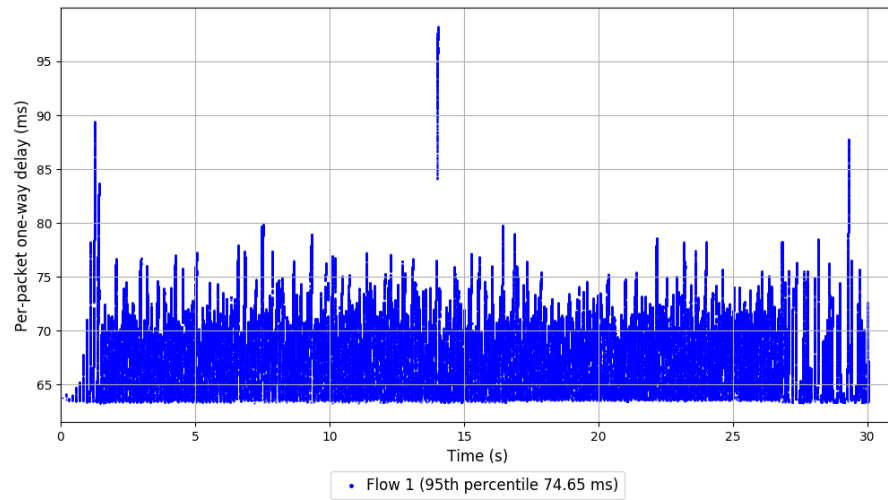
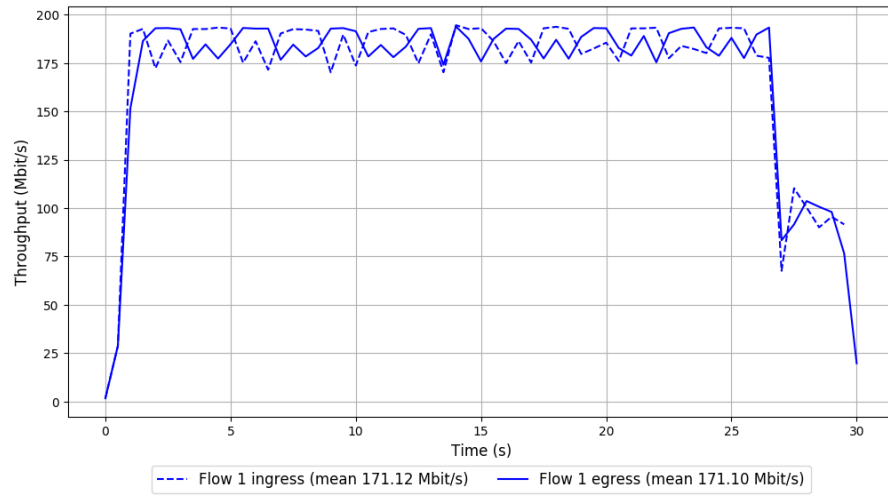
-- Flow 1:

Average throughput: 171.10 Mbit/s

95th percentile per-packet one-way delay: 74.652 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 23:00:35

End at: 2018-04-17 23:01:05

Below is generated by plot.py at 2018-04-18 00:47:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.74 Mbit/s

95th percentile per-packet one-way delay: 75.741 ms

Loss rate: 0.02%

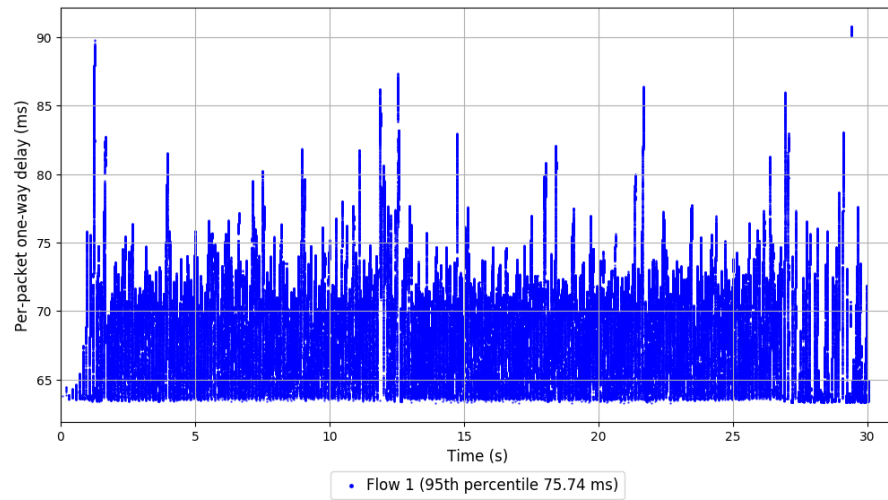
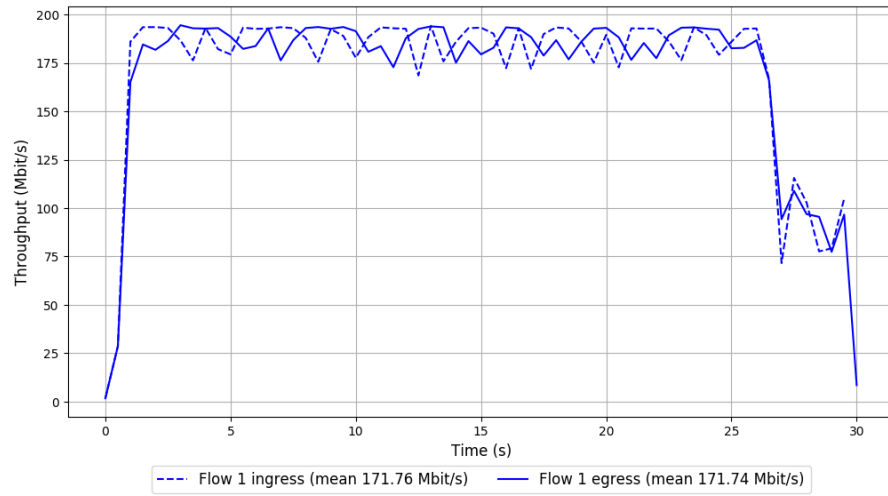
-- Flow 1:

Average throughput: 171.74 Mbit/s

95th percentile per-packet one-way delay: 75.741 ms

Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-17 20:58:24

End at: 2018-04-17 20:58:54

Below is generated by plot.py at 2018-04-18 00:47:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.49 Mbit/s

95th percentile per-packet one-way delay: 120.523 ms

Loss rate: 0.46%

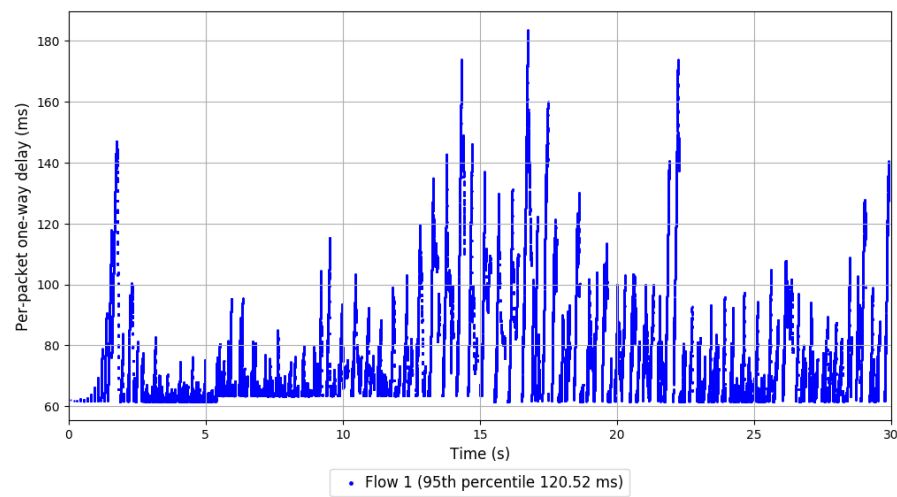
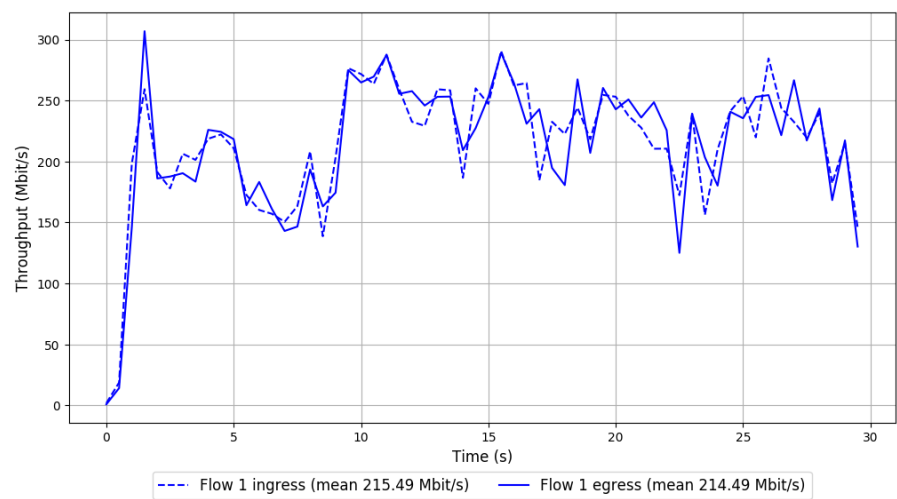
-- Flow 1:

Average throughput: 214.49 Mbit/s

95th percentile per-packet one-way delay: 120.523 ms

Loss rate: 0.46%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-17 21:11:12

End at: 2018-04-17 21:11:42

Below is generated by plot.py at 2018-04-18 00:47:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.10 Mbit/s

95th percentile per-packet one-way delay: 188.981 ms

Loss rate: 1.90%

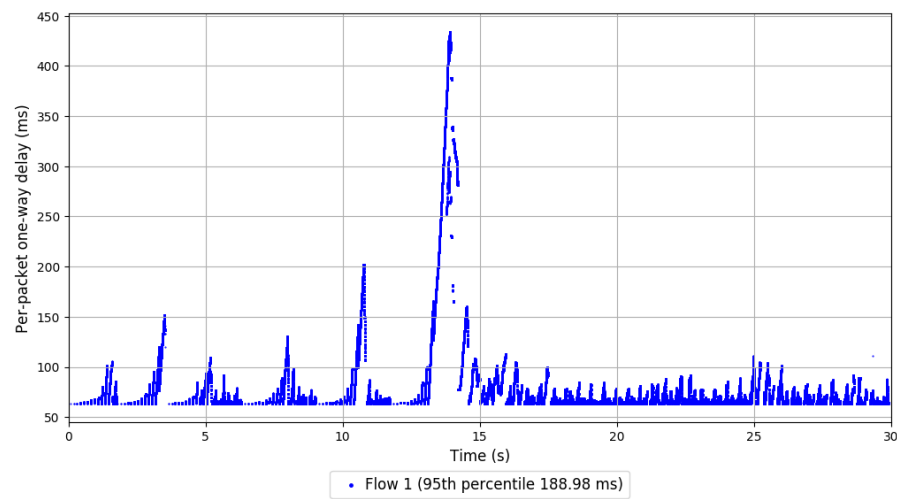
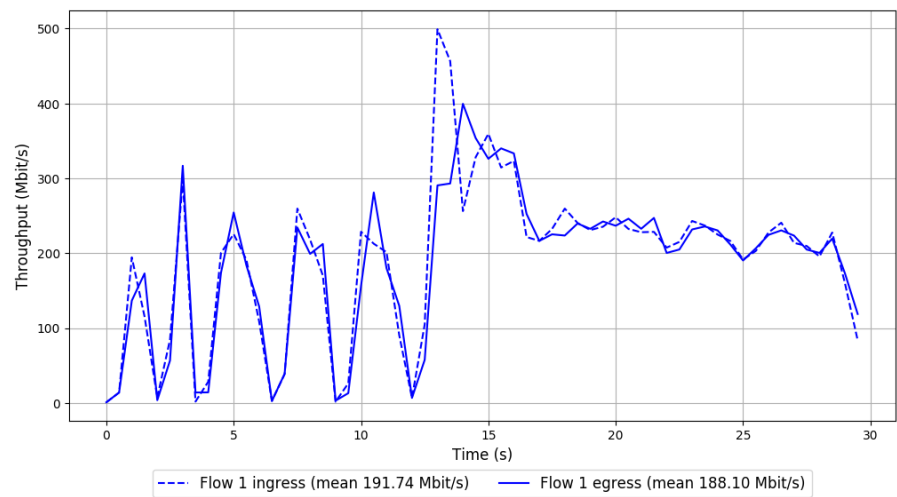
-- Flow 1:

Average throughput: 188.10 Mbit/s

95th percentile per-packet one-way delay: 188.981 ms

Loss rate: 1.90%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

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

End at: 2018-04-17 21:24:36

Below is generated by plot.py at 2018-04-18 00:47:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.57 Mbit/s

95th percentile per-packet one-way delay: 109.207 ms

Loss rate: 0.44%

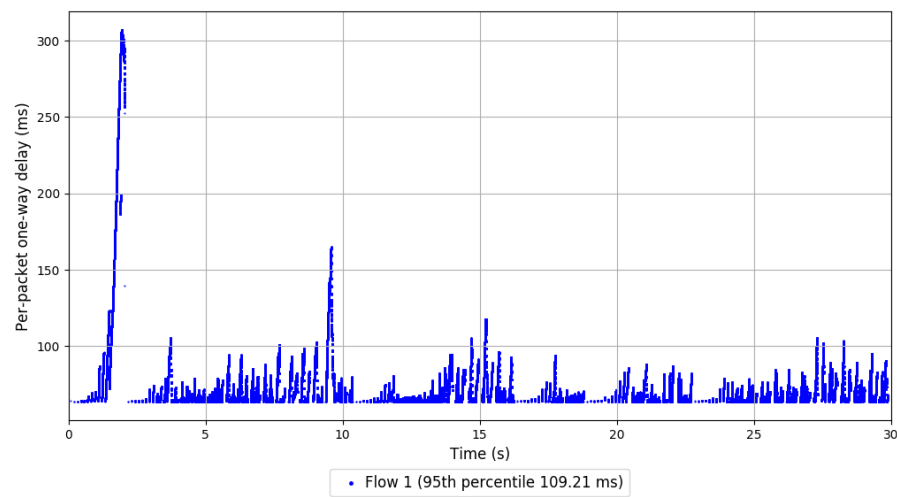
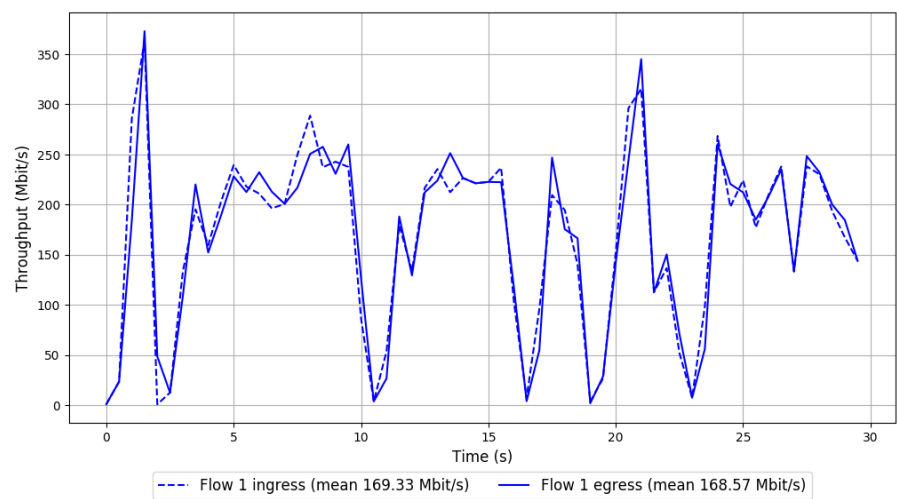
-- Flow 1:

Average throughput: 168.57 Mbit/s

95th percentile per-packet one-way delay: 109.207 ms

Loss rate: 0.44%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-17 21:37:06

End at: 2018-04-17 21:37:36

Below is generated by plot.py at 2018-04-18 00:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.17 Mbit/s

95th percentile per-packet one-way delay: 293.752 ms

Loss rate: 1.16%

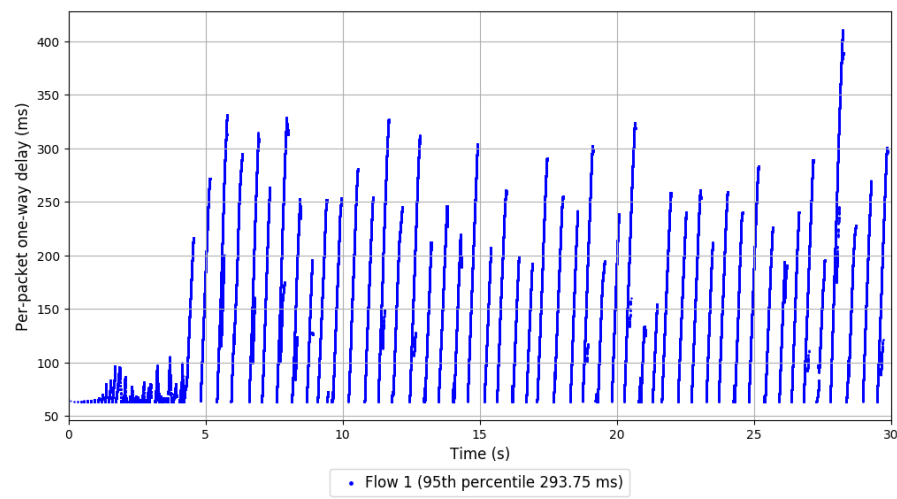
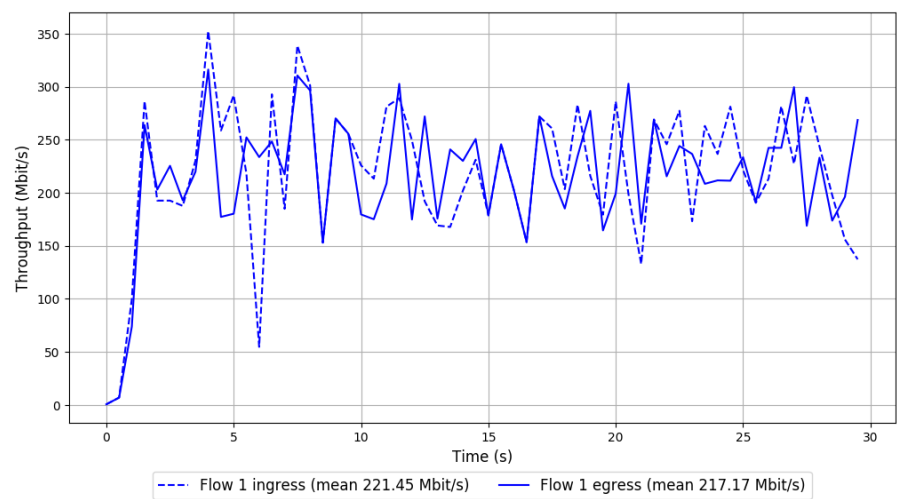
-- Flow 1:

Average throughput: 217.17 Mbit/s

95th percentile per-packet one-way delay: 293.752 ms

Loss rate: 1.16%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 21:50:00

End at: 2018-04-17 21:50:30

Below is generated by plot.py at 2018-04-18 00:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.34 Mbit/s

95th percentile per-packet one-way delay: 147.807 ms

Loss rate: 0.96%

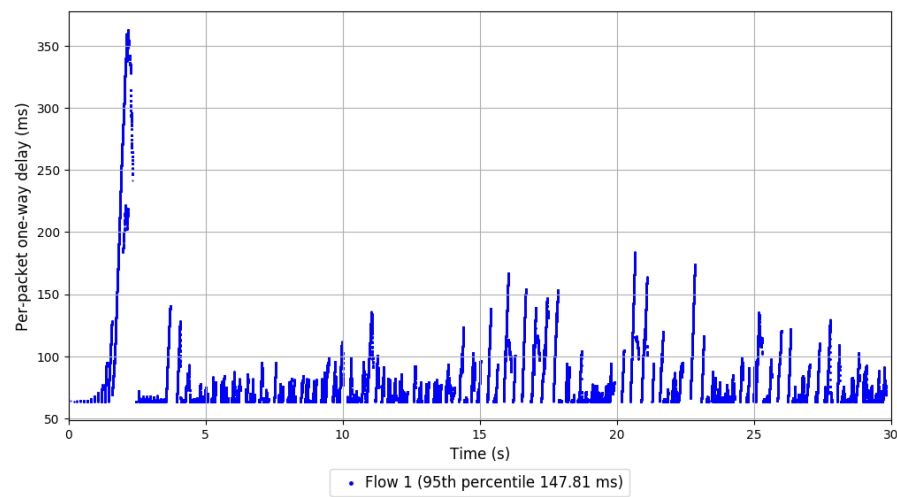
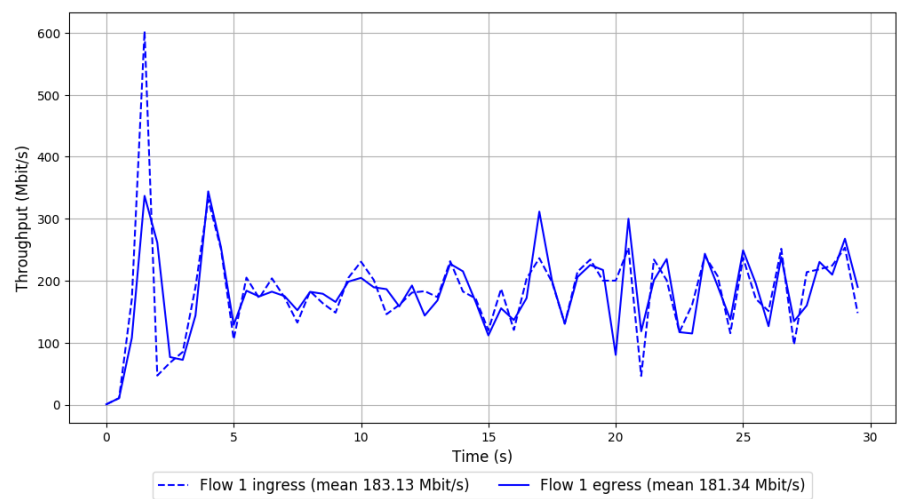
-- Flow 1:

Average throughput: 181.34 Mbit/s

95th percentile per-packet one-way delay: 147.807 ms

Loss rate: 0.96%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-17 22:02:52

End at: 2018-04-17 22:03:22

Below is generated by plot.py at 2018-04-18 00:48:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.92 Mbit/s

95th percentile per-packet one-way delay: 103.785 ms

Loss rate: 0.07%

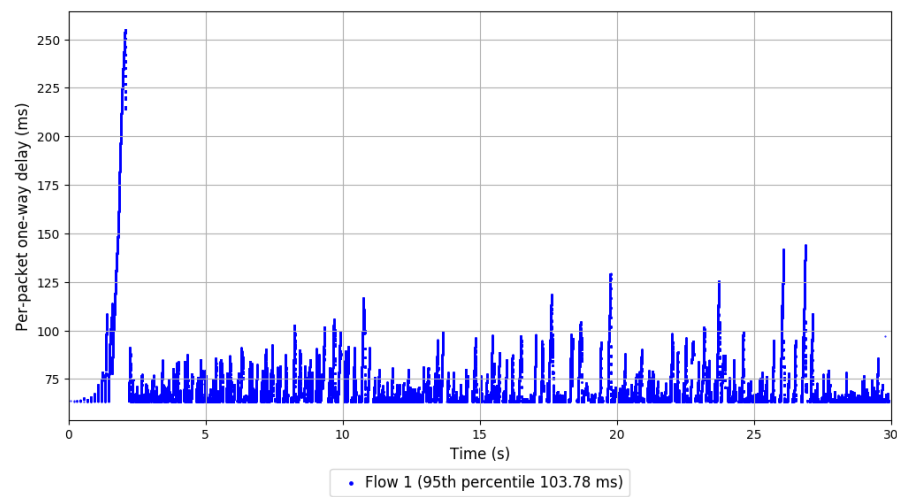
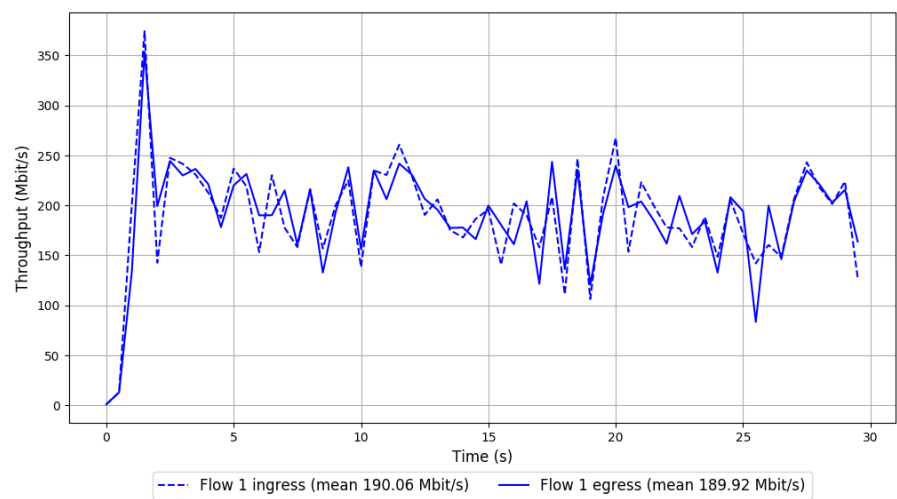
-- Flow 1:

Average throughput: 189.92 Mbit/s

95th percentile per-packet one-way delay: 103.785 ms

Loss rate: 0.07%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 22:15:48

End at: 2018-04-17 22:16:18

Below is generated by plot.py at 2018-04-18 00:50:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.04 Mbit/s

95th percentile per-packet one-way delay: 134.508 ms

Loss rate: 1.62%

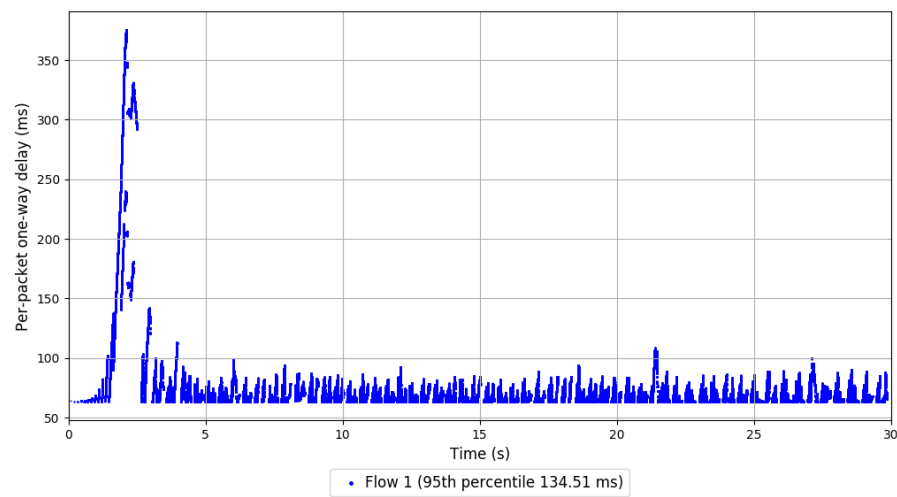
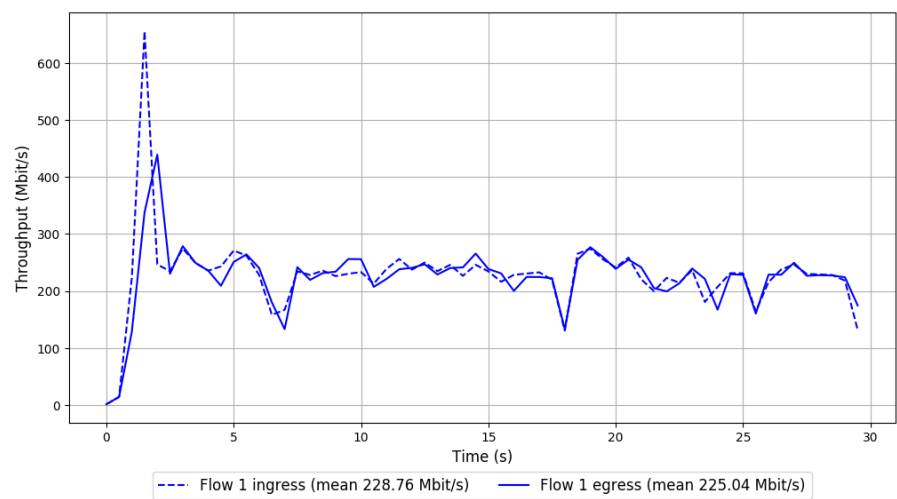
-- Flow 1:

Average throughput: 225.04 Mbit/s

95th percentile per-packet one-way delay: 134.508 ms

Loss rate: 1.62%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 22:28:57

End at: 2018-04-17 22:29:27

Below is generated by plot.py at 2018-04-18 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.97 Mbit/s

95th percentile per-packet one-way delay: 246.654 ms

Loss rate: 0.92%

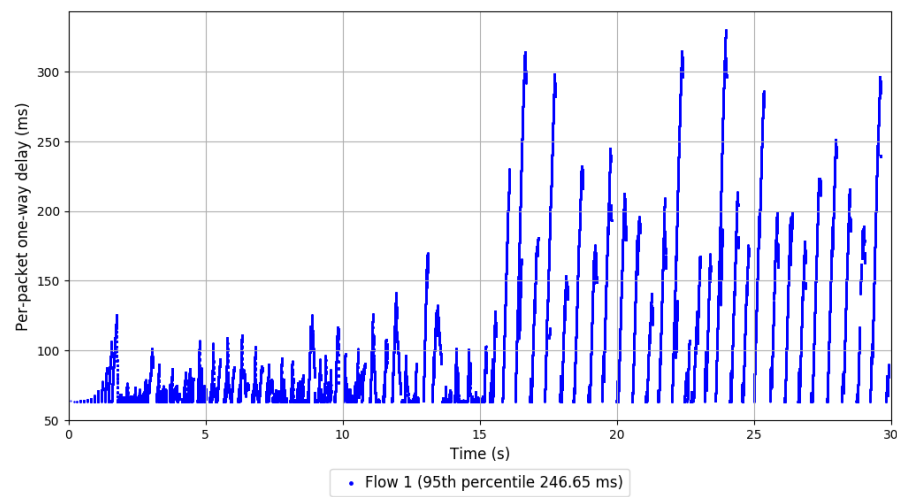
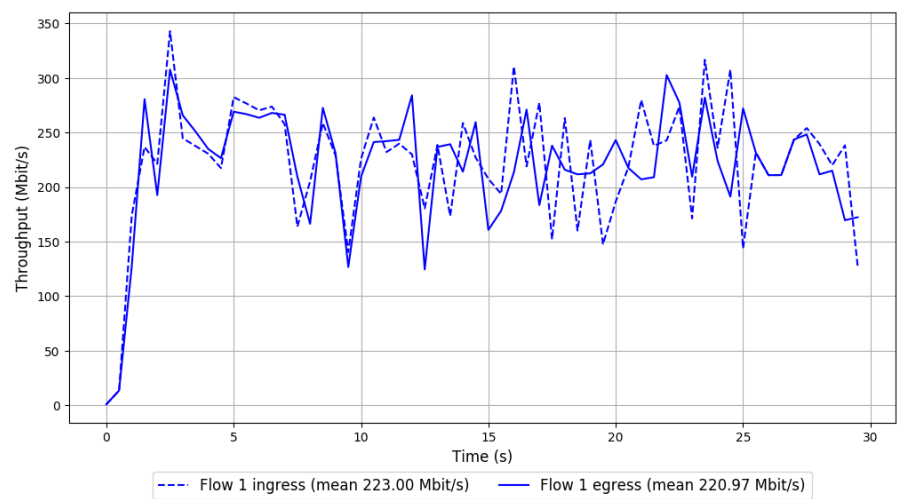
-- Flow 1:

Average throughput: 220.97 Mbit/s

95th percentile per-packet one-way delay: 246.654 ms

Loss rate: 0.92%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 22:42:06

End at: 2018-04-17 22:42:36

Below is generated by plot.py at 2018-04-18 00:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.81 Mbit/s

95th percentile per-packet one-way delay: 134.796 ms

Loss rate: 0.00%

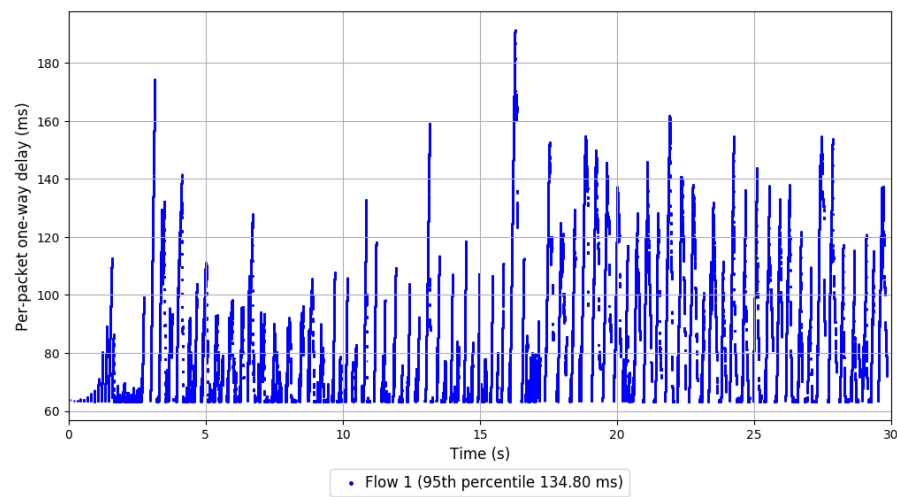
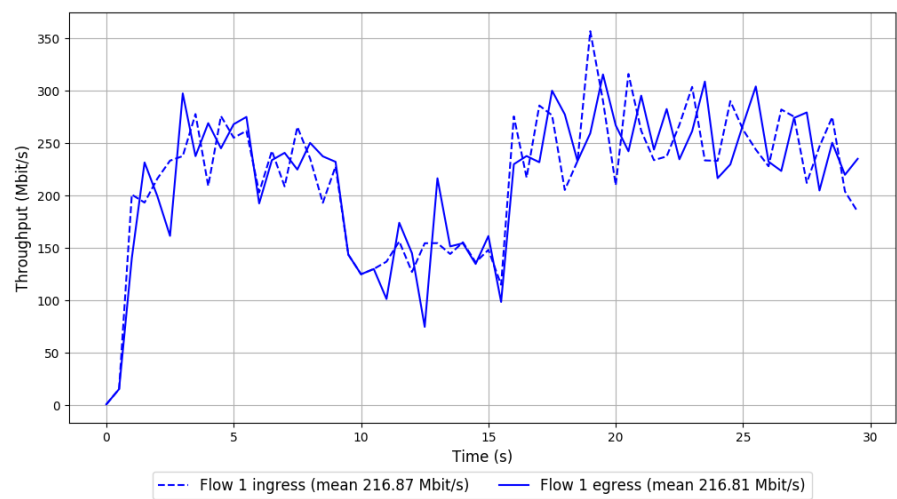
-- Flow 1:

Average throughput: 216.81 Mbit/s

95th percentile per-packet one-way delay: 134.796 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 22:55:12

End at: 2018-04-17 22:55:42

Below is generated by plot.py at 2018-04-18 00:50:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.00 Mbit/s

95th percentile per-packet one-way delay: 97.851 ms

Loss rate: 0.02%

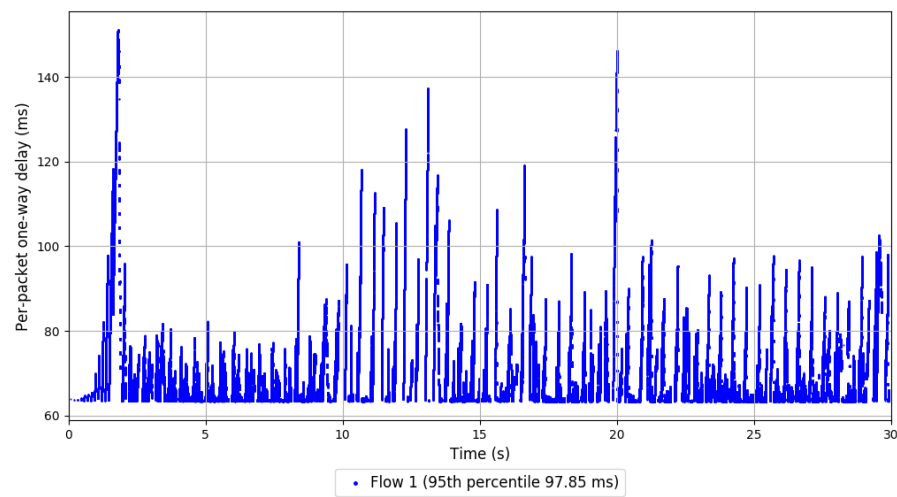
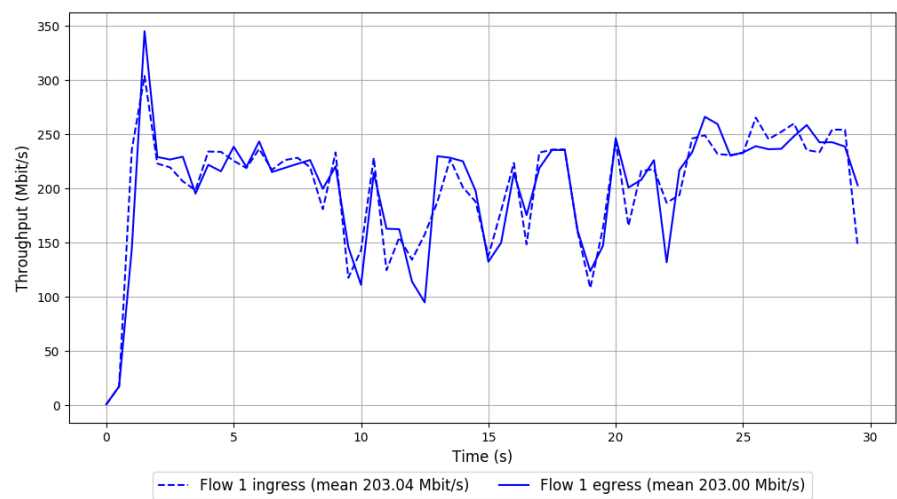
-- Flow 1:

Average throughput: 203.00 Mbit/s

95th percentile per-packet one-way delay: 97.851 ms

Loss rate: 0.02%

Run 10: Report of Verus — Data Link

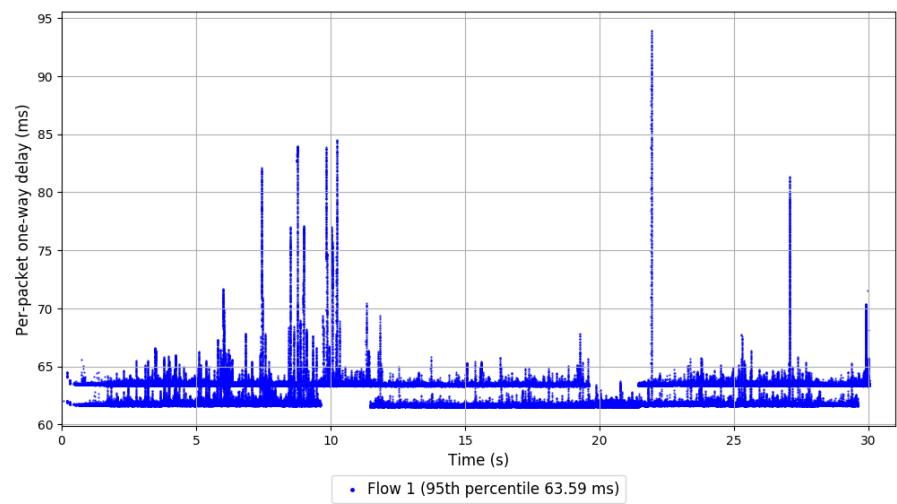
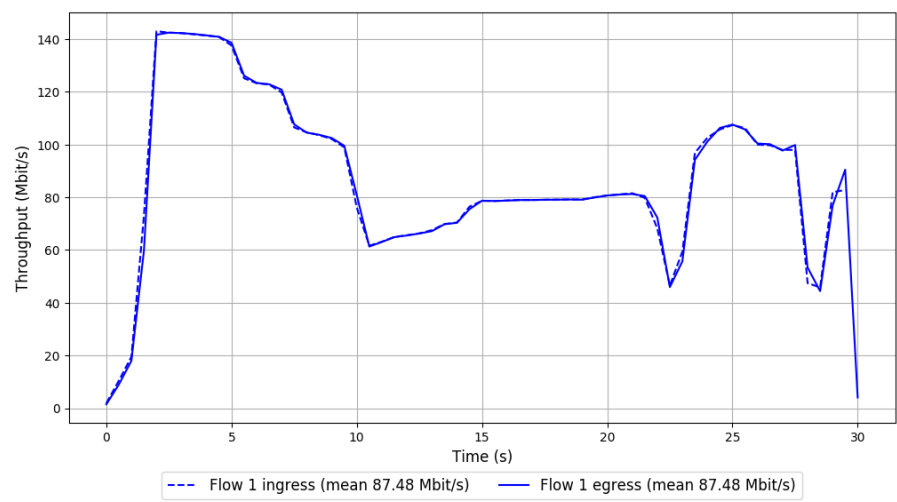


```
Run 1: Statistics of Copa

Start at: 2018-04-17 21:00:38
End at: 2018-04-17 21:01:08

# Below is generated by plot.py at 2018-04-18 00:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 63.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 63.591 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-17 21:13:39

End at: 2018-04-17 21:14:09

Below is generated by plot.py at 2018-04-18 00:50:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 63.664 ms

Loss rate: 0.00%

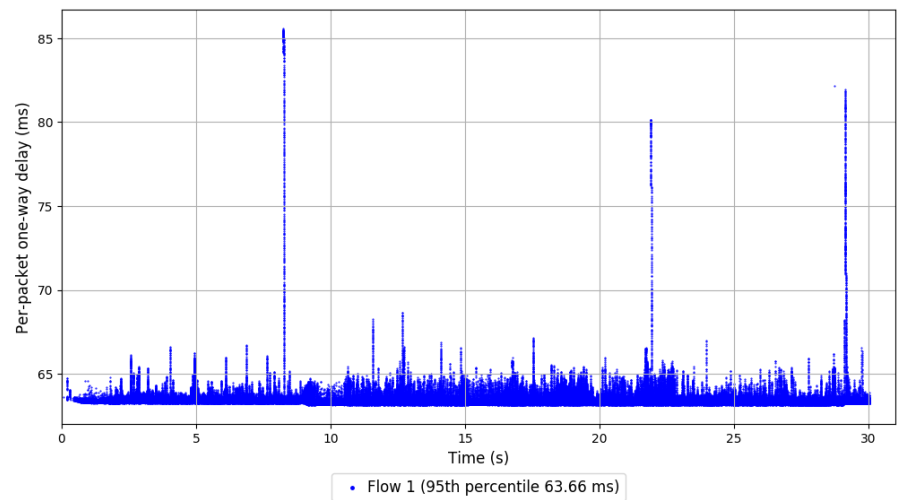
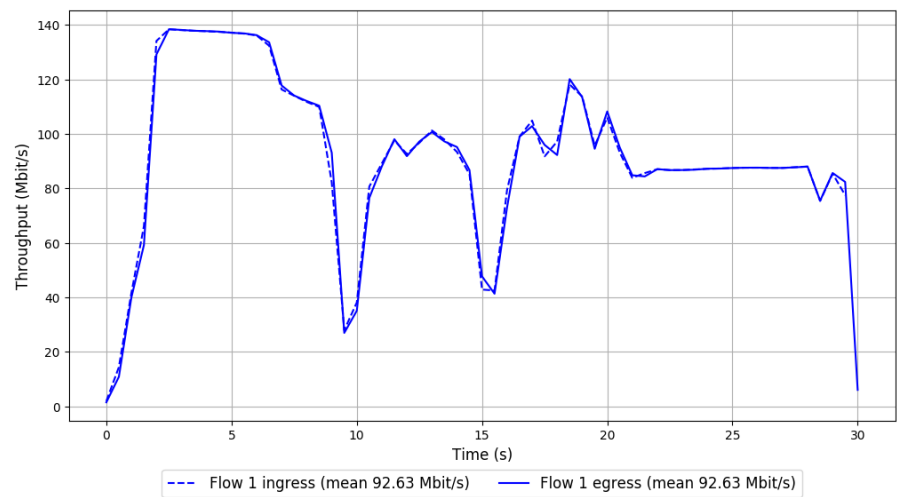
-- Flow 1:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 63.664 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-17 21:26:34

End at: 2018-04-17 21:27:04

Below is generated by plot.py at 2018-04-18 00:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.14 Mbit/s

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

Loss rate: 0.00%

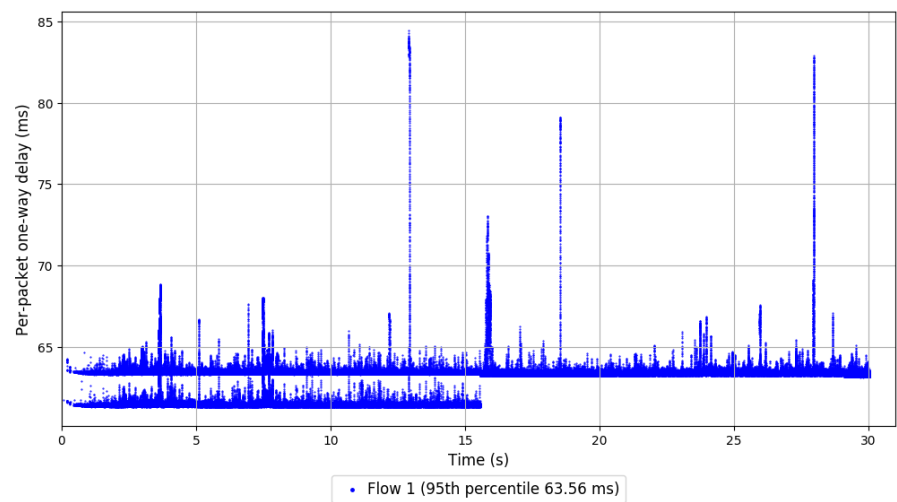
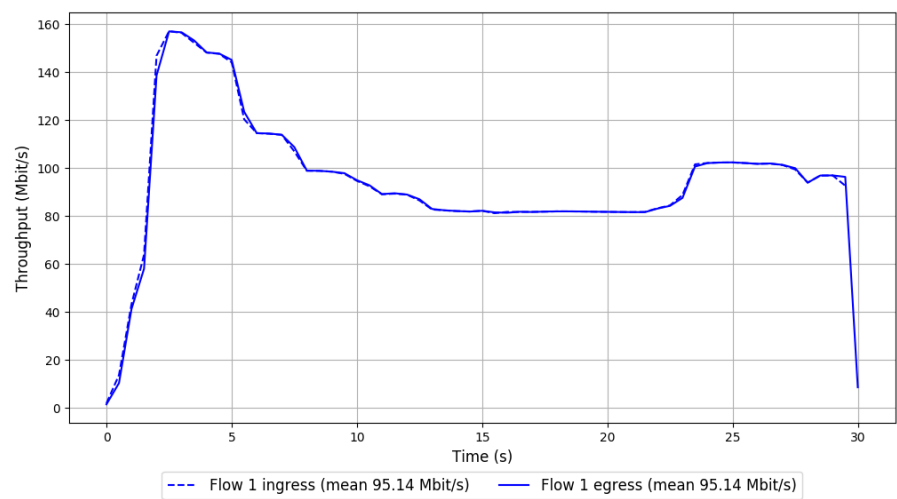
-- Flow 1:

Average throughput: 95.14 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-17 21:39:37

End at: 2018-04-17 21:40:08

Below is generated by plot.py at 2018-04-18 00:52:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 0.00%

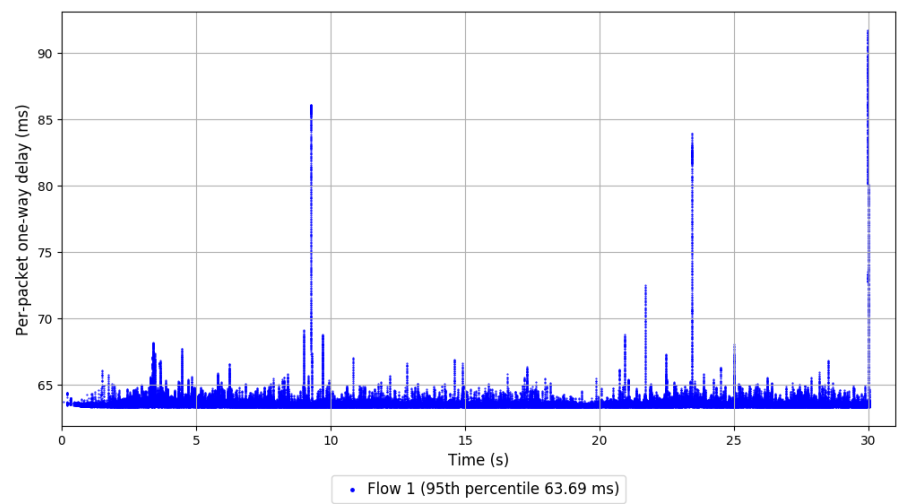
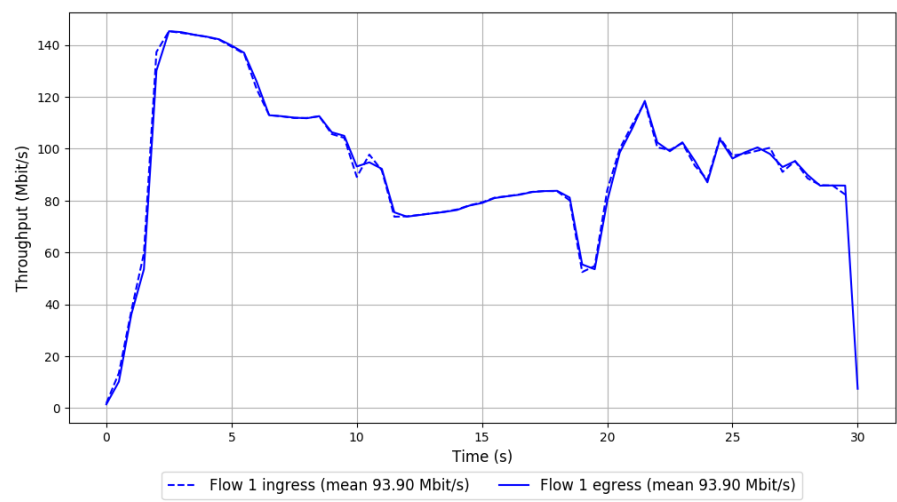
-- Flow 1:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 21:52:26

End at: 2018-04-17 21:52:56

Below is generated by plot.py at 2018-04-18 00:53:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.39 Mbit/s

95th percentile per-packet one-way delay: 63.618 ms

Loss rate: 0.00%

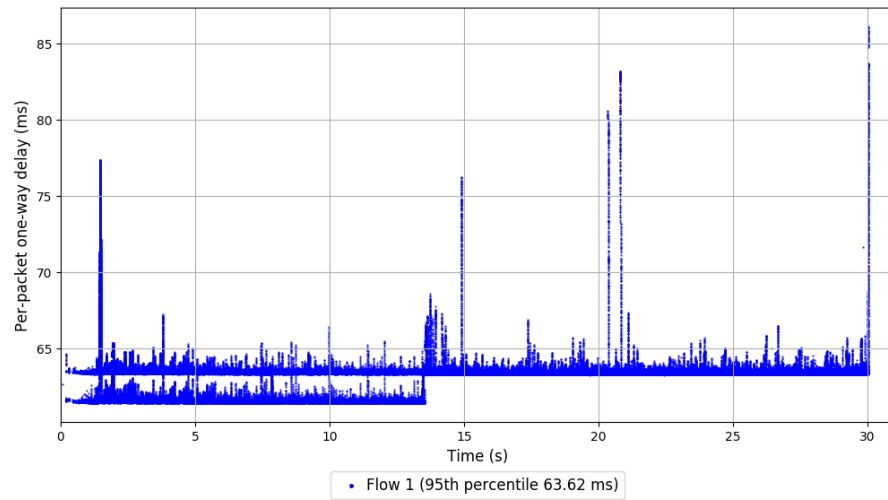
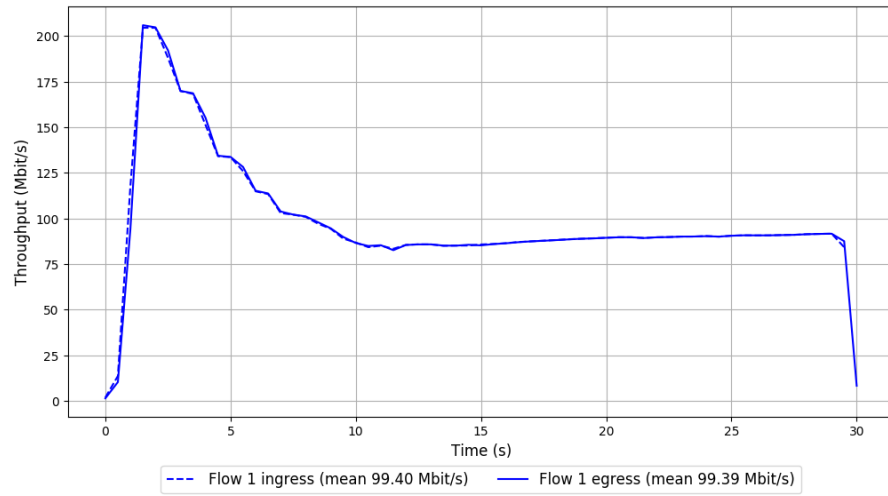
-- Flow 1:

Average throughput: 99.39 Mbit/s

95th percentile per-packet one-way delay: 63.618 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 22:05:20

End at: 2018-04-17 22:05:50

Below is generated by plot.py at 2018-04-18 00:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 63.540 ms

Loss rate: 0.00%

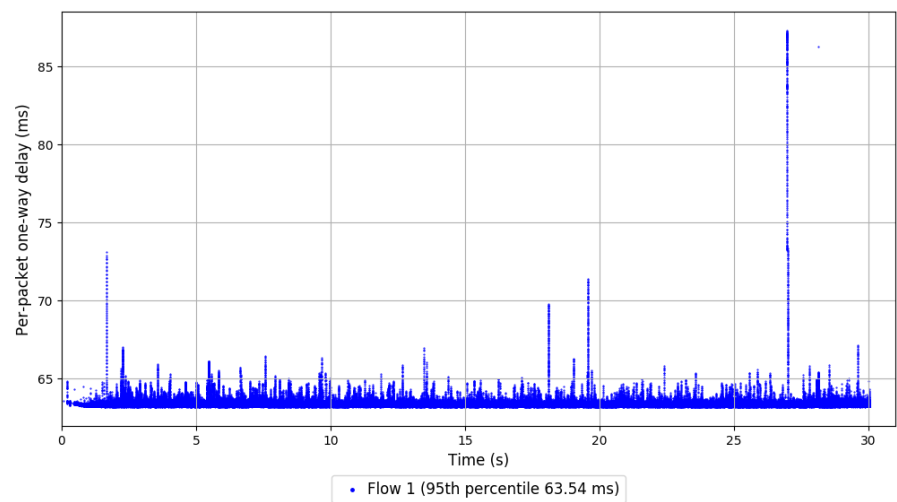
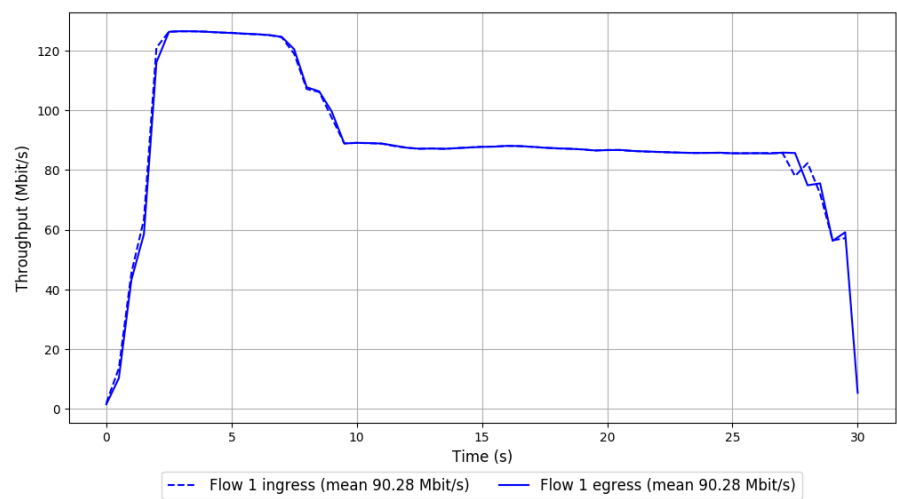
-- Flow 1:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 63.540 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 22:18:19

End at: 2018-04-17 22:18:49

Below is generated by plot.py at 2018-04-18 00:53:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 63.505 ms

Loss rate: 0.00%

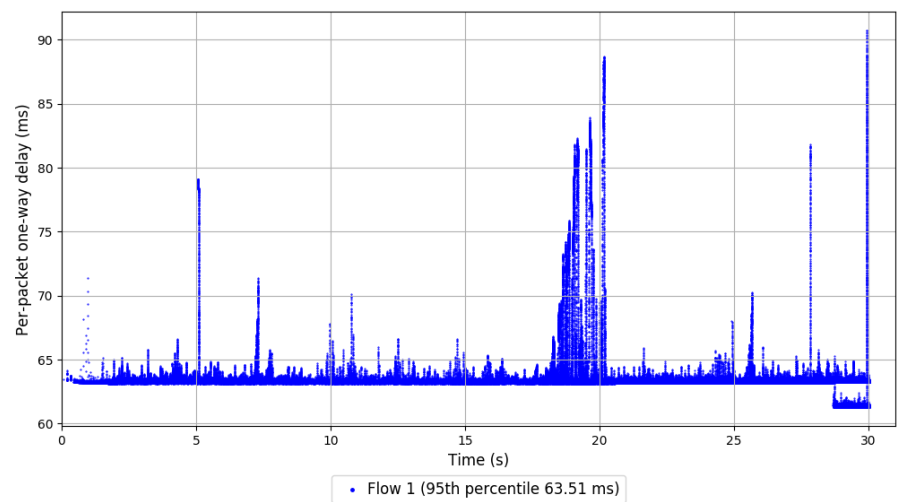
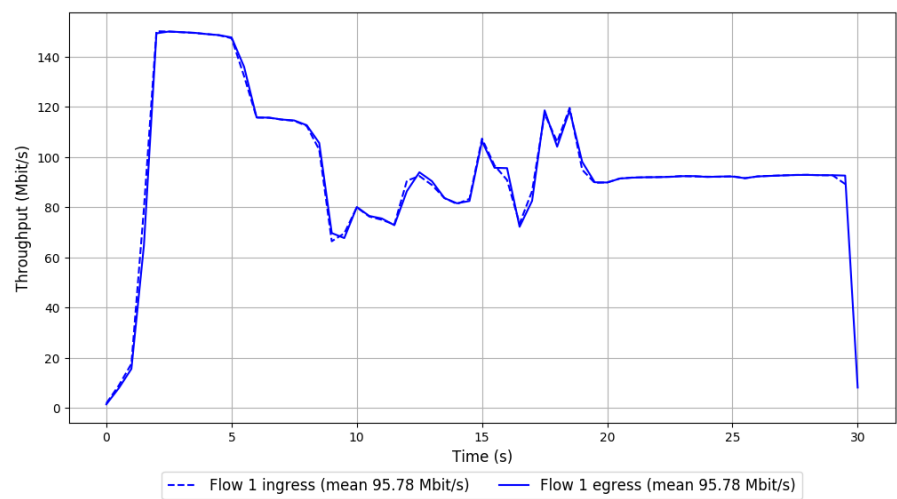
-- Flow 1:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 63.505 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 22:31:26

End at: 2018-04-17 22:31:56

Below is generated by plot.py at 2018-04-18 00:53:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 63.442 ms

Loss rate: 0.00%

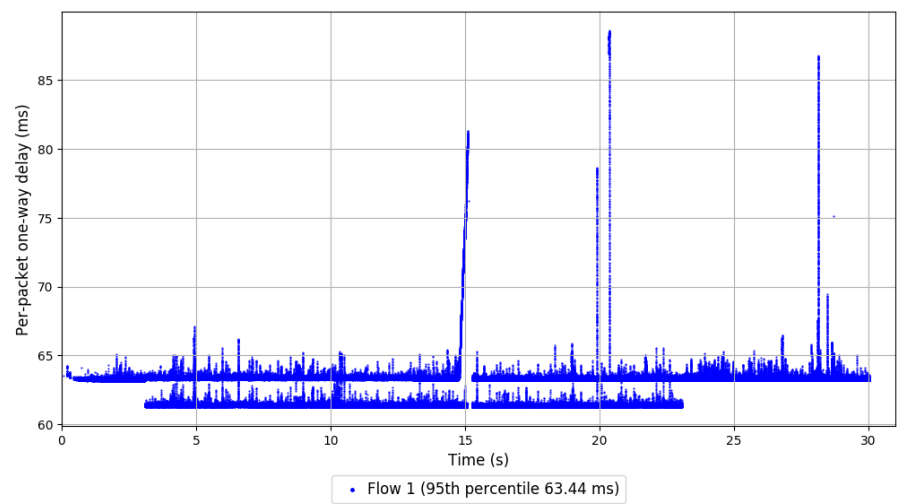
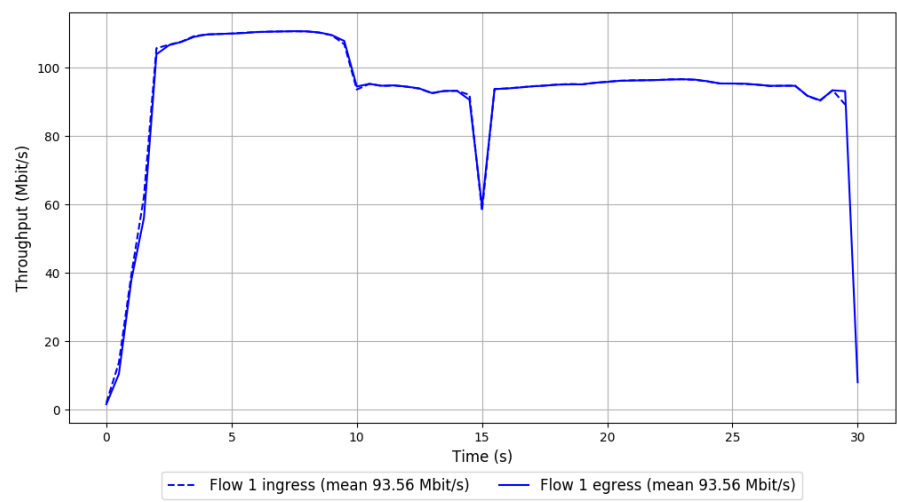
-- Flow 1:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 63.442 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 22:44:41

End at: 2018-04-17 22:45:11

Below is generated by plot.py at 2018-04-18 00:53:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.53 Mbit/s

95th percentile per-packet one-way delay: 63.594 ms

Loss rate: 0.00%

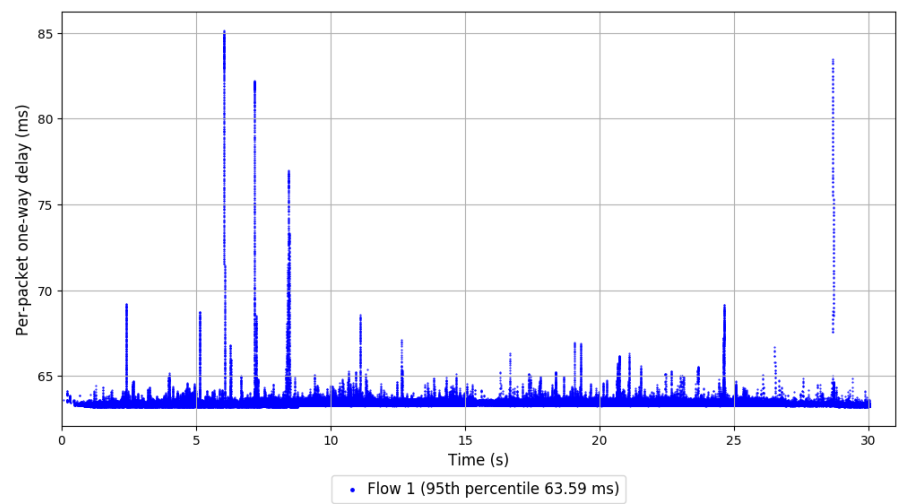
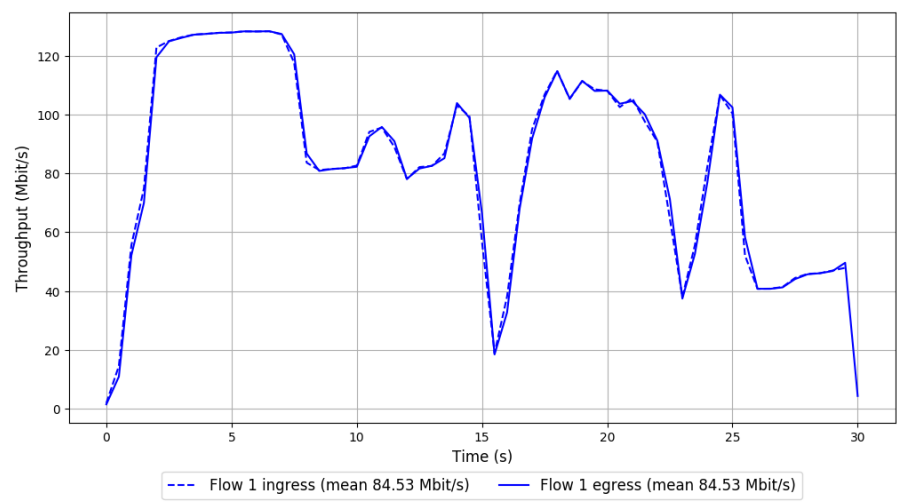
-- Flow 1:

Average throughput: 84.53 Mbit/s

95th percentile per-packet one-way delay: 63.594 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 22:57:42

End at: 2018-04-17 22:58:12

Below is generated by plot.py at 2018-04-18 00:53:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.56 Mbit/s

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

Loss rate: 0.00%

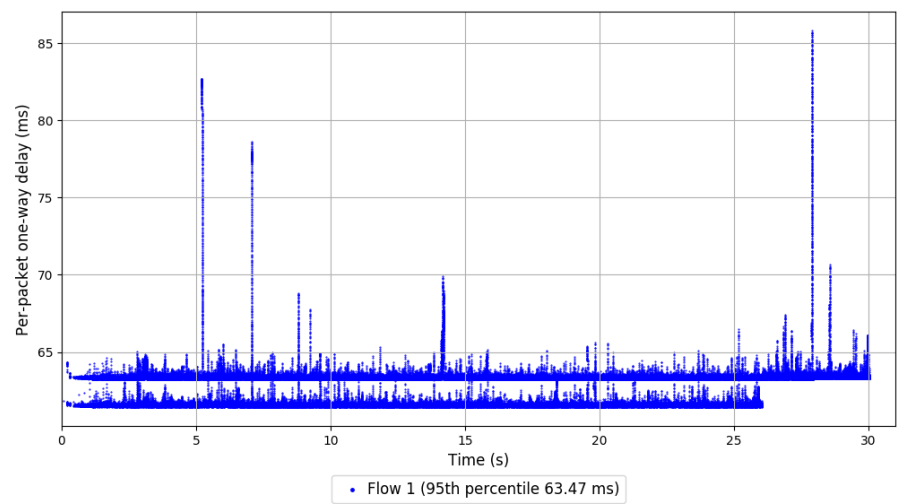
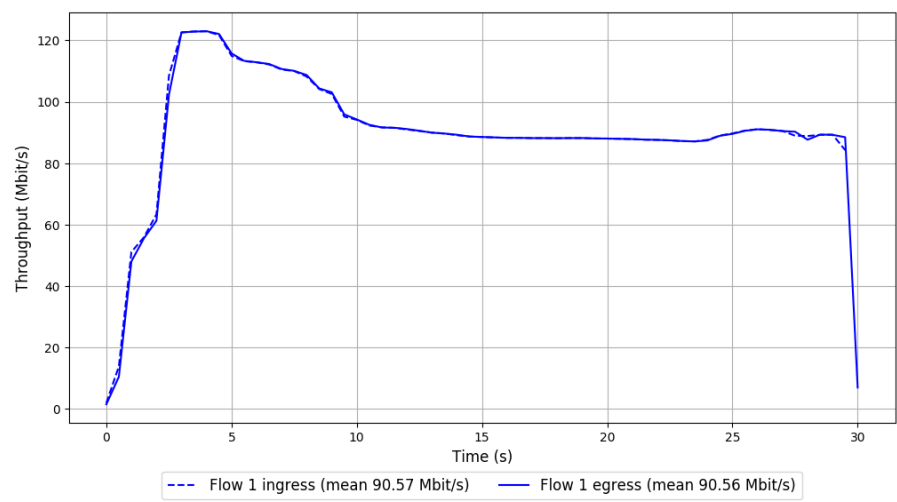
-- Flow 1:

Average throughput: 90.56 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

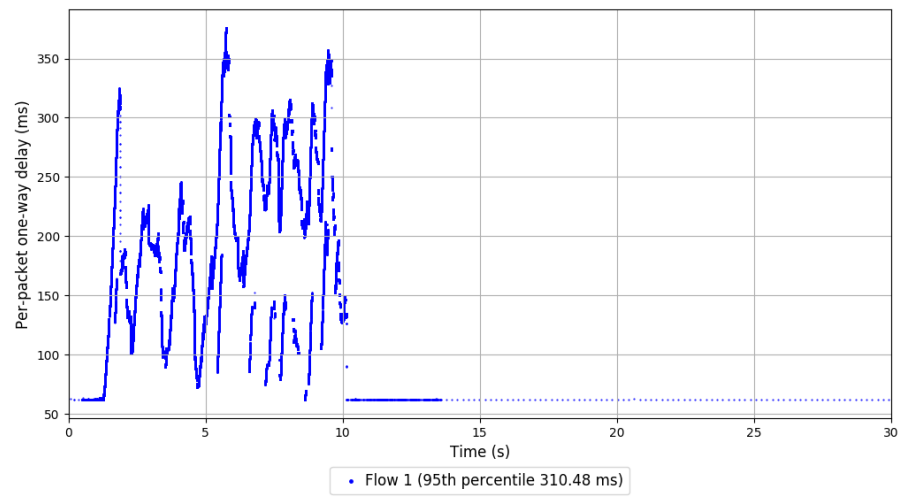
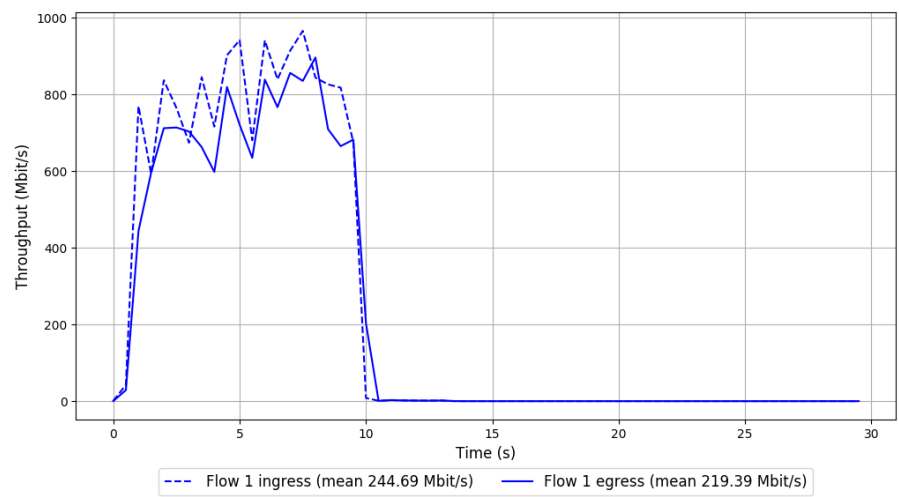


```
Run 1: Statistics of FillP

Start at: 2018-04-17 20:59:15
End at: 2018-04-17 20:59:45

# Below is generated by plot.py at 2018-04-18 00:54:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 310.476 ms
Loss rate: 10.34%
-- Flow 1:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 310.476 ms
Loss rate: 10.34%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-17 21:12:02

End at: 2018-04-17 21:12:32

Below is generated by plot.py at 2018-04-18 01:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.58 Mbit/s

95th percentile per-packet one-way delay: 331.122 ms

Loss rate: 7.87%

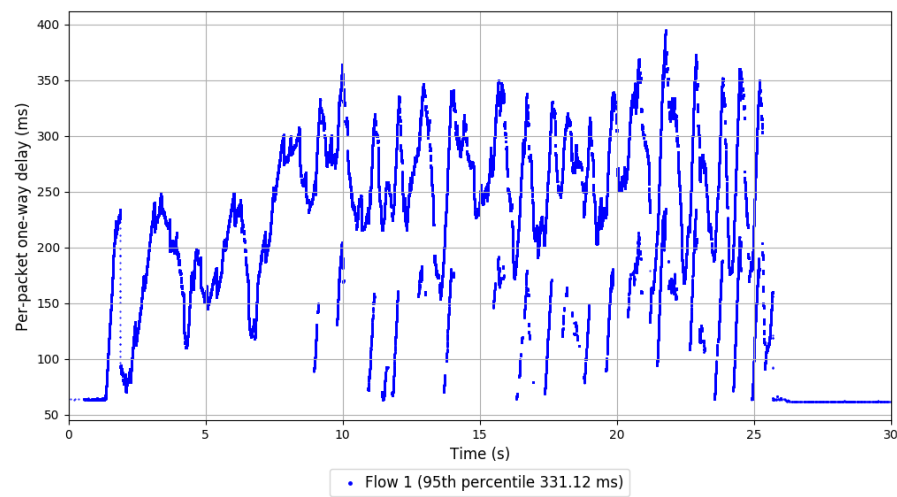
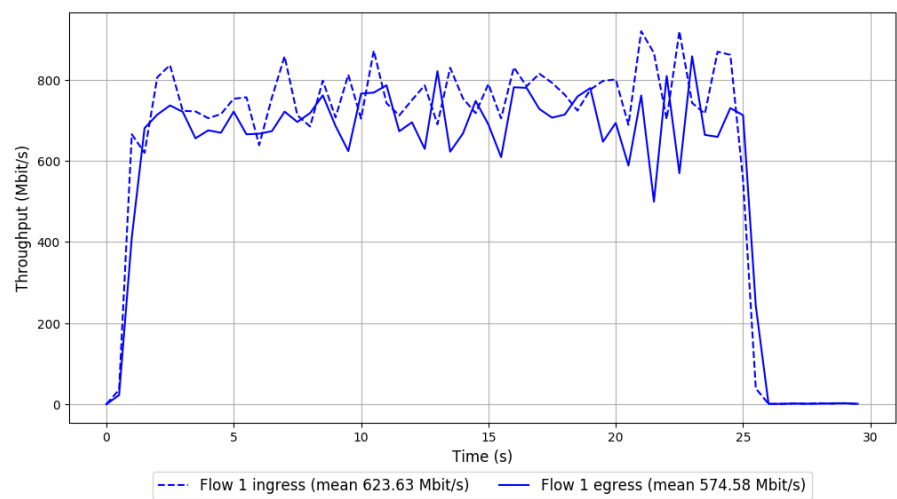
-- Flow 1:

Average throughput: 574.58 Mbit/s

95th percentile per-packet one-way delay: 331.122 ms

Loss rate: 7.87%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

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

End at: 2018-04-17 21:25:25

Below is generated by plot.py at 2018-04-18 01:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 672.93 Mbit/s

95th percentile per-packet one-way delay: 225.504 ms

Loss rate: 6.28%

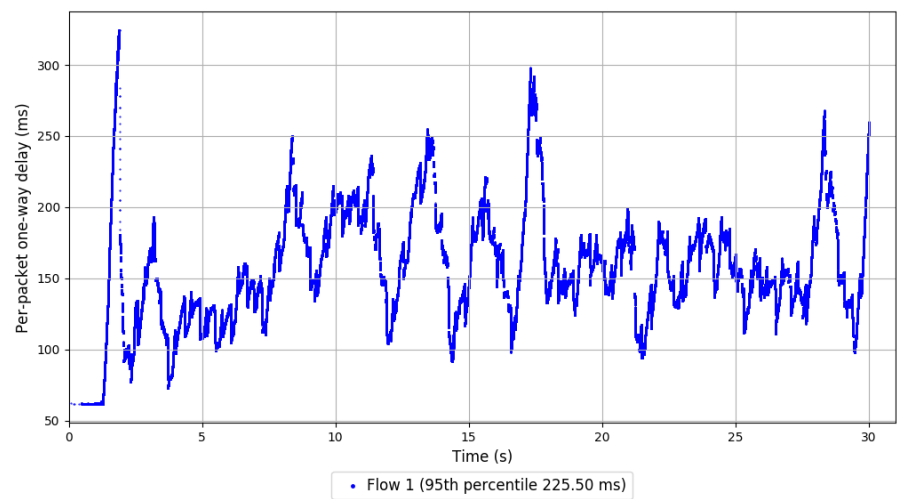
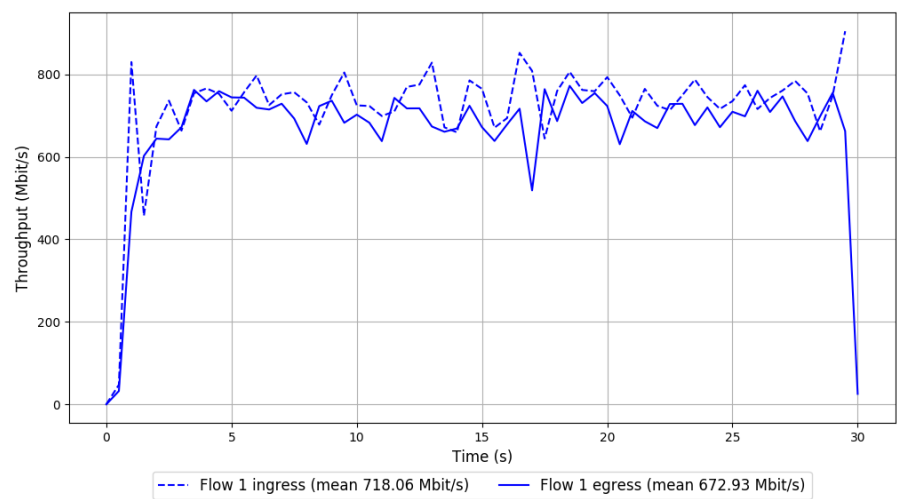
-- Flow 1:

Average throughput: 672.93 Mbit/s

95th percentile per-packet one-way delay: 225.504 ms

Loss rate: 6.28%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 21:37:59

End at: 2018-04-17 21:38:29

Below is generated by plot.py at 2018-04-18 01:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 657.61 Mbit/s

95th percentile per-packet one-way delay: 278.905 ms

Loss rate: 7.62%

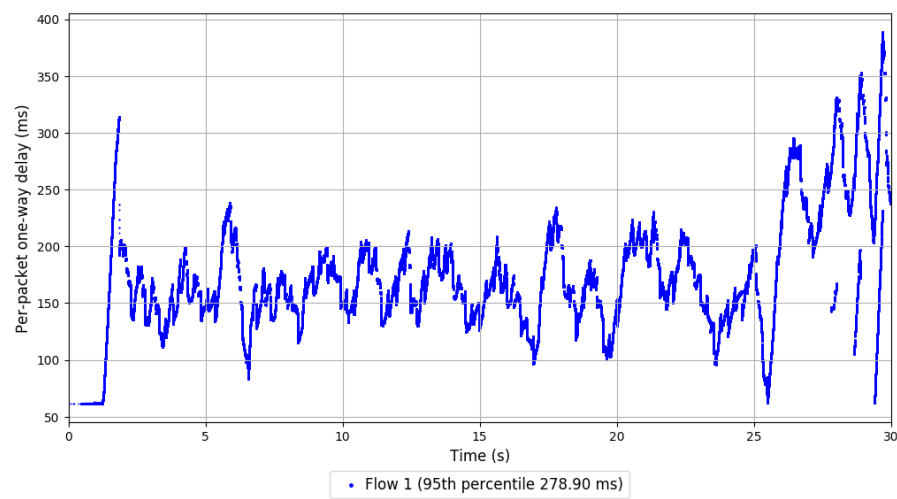
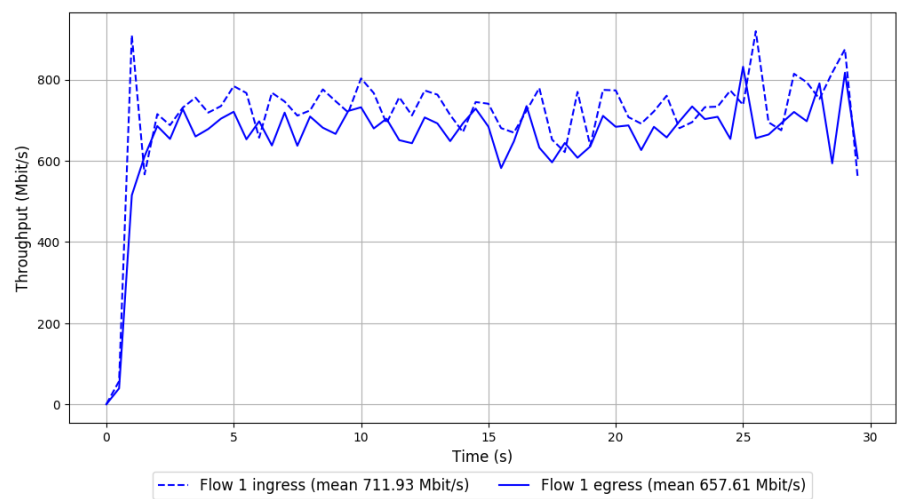
-- Flow 1:

Average throughput: 657.61 Mbit/s

95th percentile per-packet one-way delay: 278.905 ms

Loss rate: 7.62%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 21:50:49

End at: 2018-04-17 21:51:19

Below is generated by plot.py at 2018-04-18 01:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 643.28 Mbit/s

95th percentile per-packet one-way delay: 181.286 ms

Loss rate: 5.56%

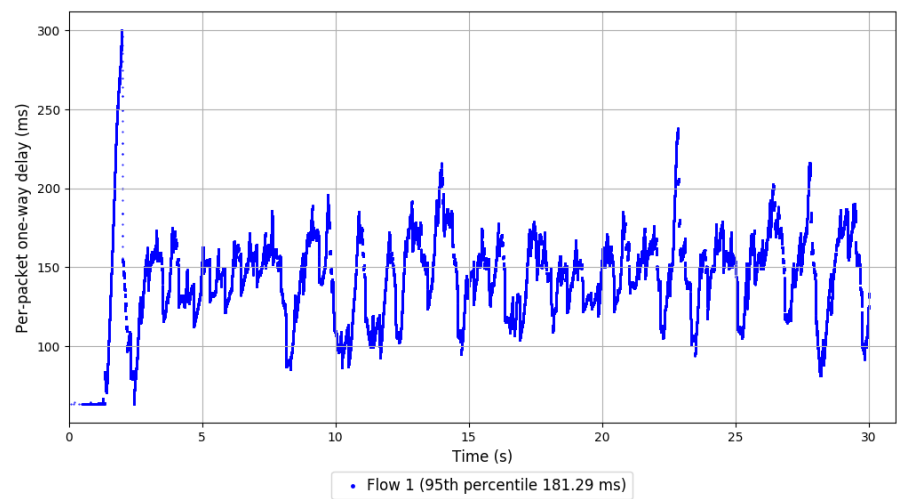
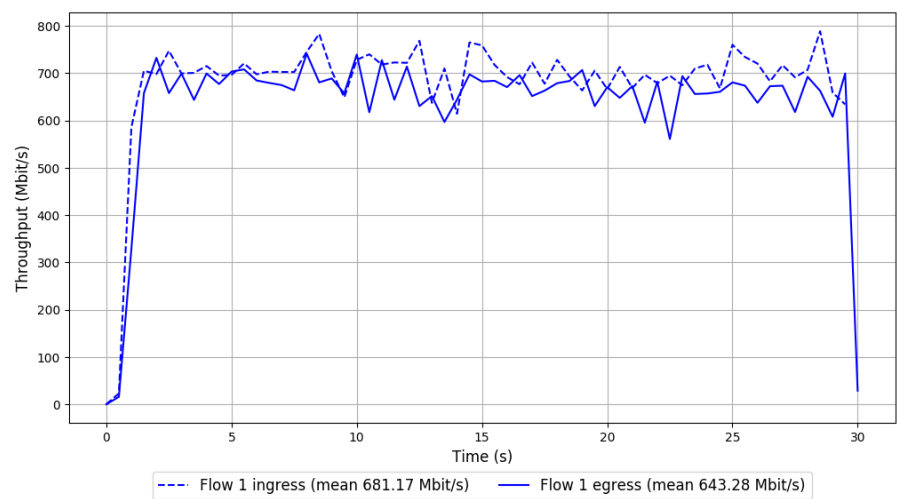
-- Flow 1:

Average throughput: 643.28 Mbit/s

95th percentile per-packet one-way delay: 181.286 ms

Loss rate: 5.56%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-17 22:03:42

End at: 2018-04-17 22:04:12

Below is generated by plot.py at 2018-04-18 01:05:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 660.62 Mbit/s

95th percentile per-packet one-way delay: 252.053 ms

Loss rate: 7.73%

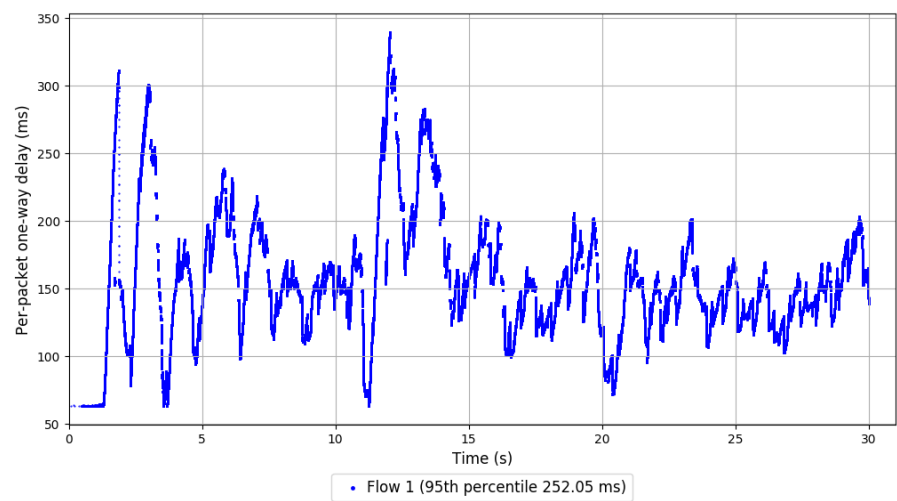
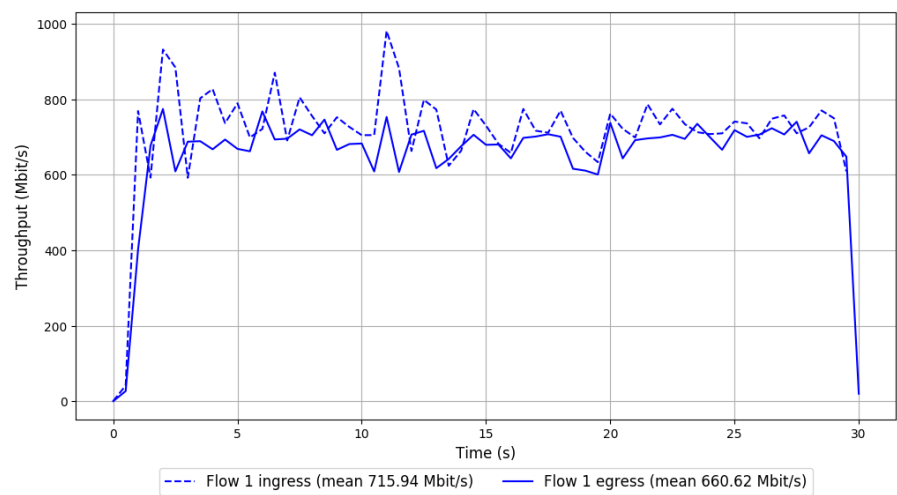
-- Flow 1:

Average throughput: 660.62 Mbit/s

95th percentile per-packet one-way delay: 252.053 ms

Loss rate: 7.73%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 22:16:41

End at: 2018-04-17 22:17:11

Below is generated by plot.py at 2018-04-18 01:05:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 666.03 Mbit/s

95th percentile per-packet one-way delay: 239.648 ms

Loss rate: 4.42%

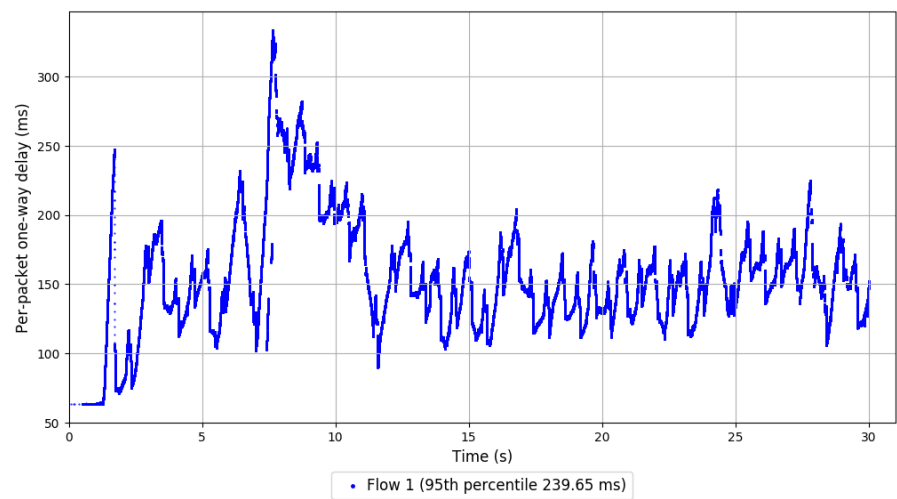
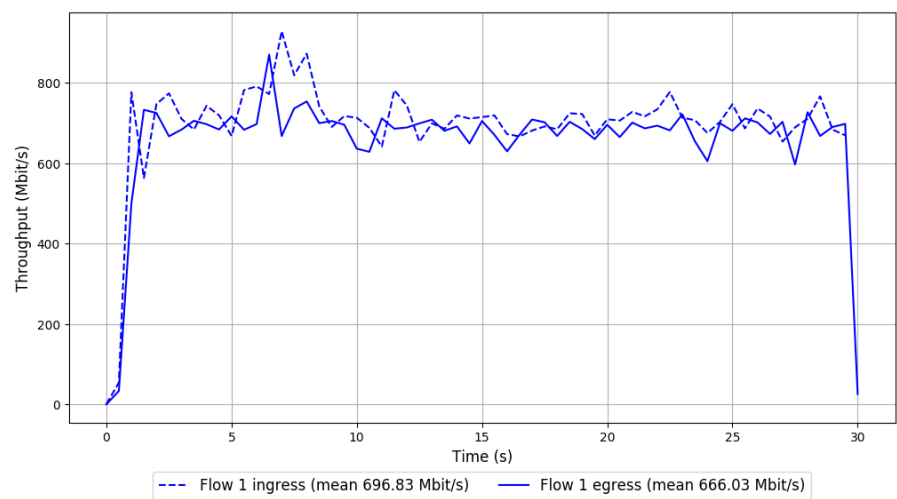
-- Flow 1:

Average throughput: 666.03 Mbit/s

95th percentile per-packet one-way delay: 239.648 ms

Loss rate: 4.42%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 22:29:48

End at: 2018-04-17 22:30:18

Below is generated by plot.py at 2018-04-18 01:05:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 677.73 Mbit/s

95th percentile per-packet one-way delay: 208.106 ms

Loss rate: 4.35%

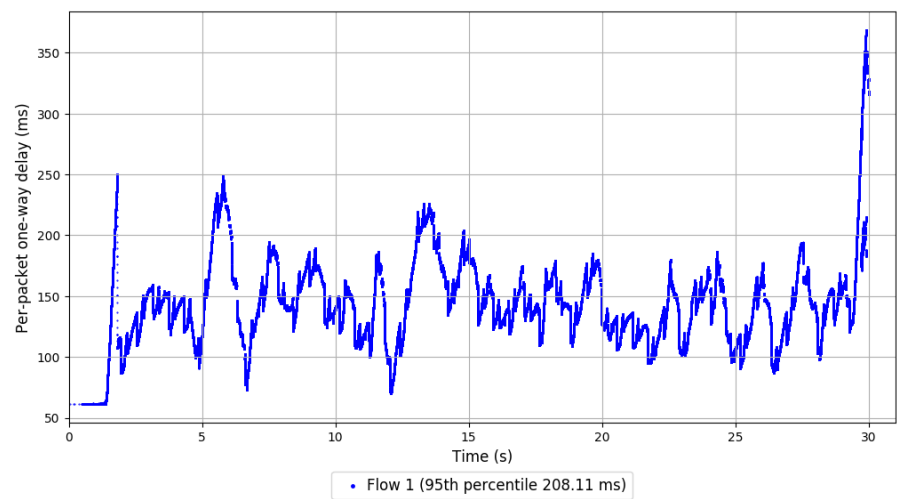
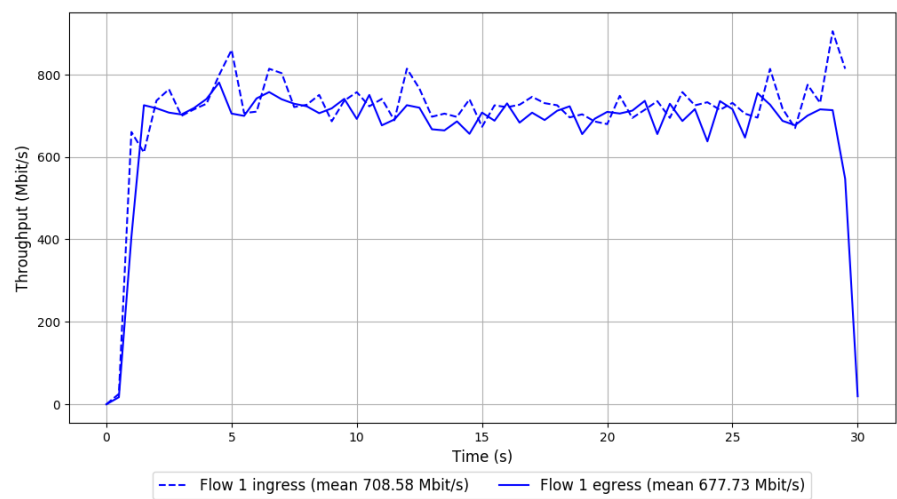
-- Flow 1:

Average throughput: 677.73 Mbit/s

95th percentile per-packet one-way delay: 208.106 ms

Loss rate: 4.35%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 22:43:01

End at: 2018-04-17 22:43:31

Below is generated by plot.py at 2018-04-18 01:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 702.06 Mbit/s

95th percentile per-packet one-way delay: 298.582 ms

Loss rate: 6.50%

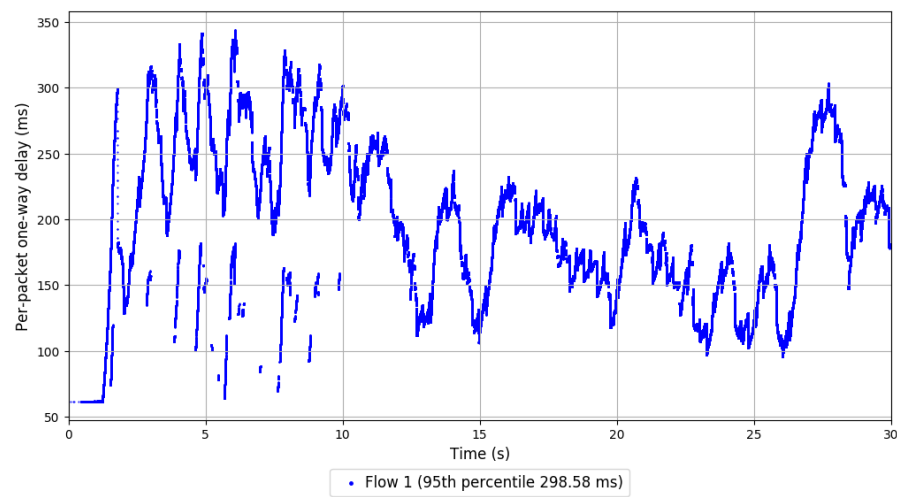
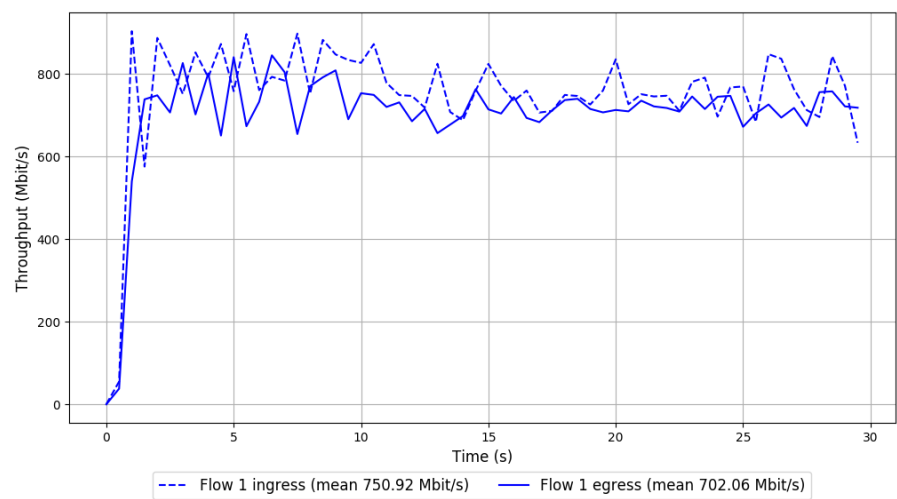
-- Flow 1:

Average throughput: 702.06 Mbit/s

95th percentile per-packet one-way delay: 298.582 ms

Loss rate: 6.50%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 22:56:03

End at: 2018-04-17 22:56:33

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 686.71 Mbit/s

95th percentile per-packet one-way delay: 273.375 ms

Loss rate: 4.66%

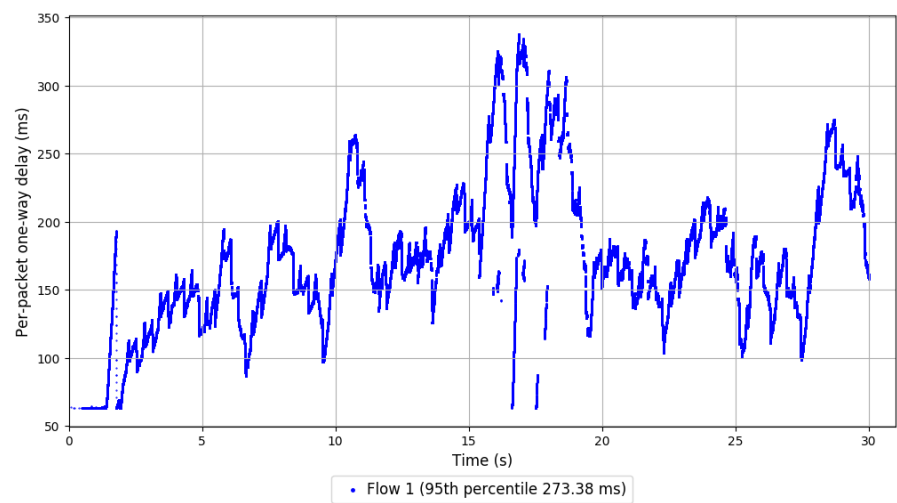
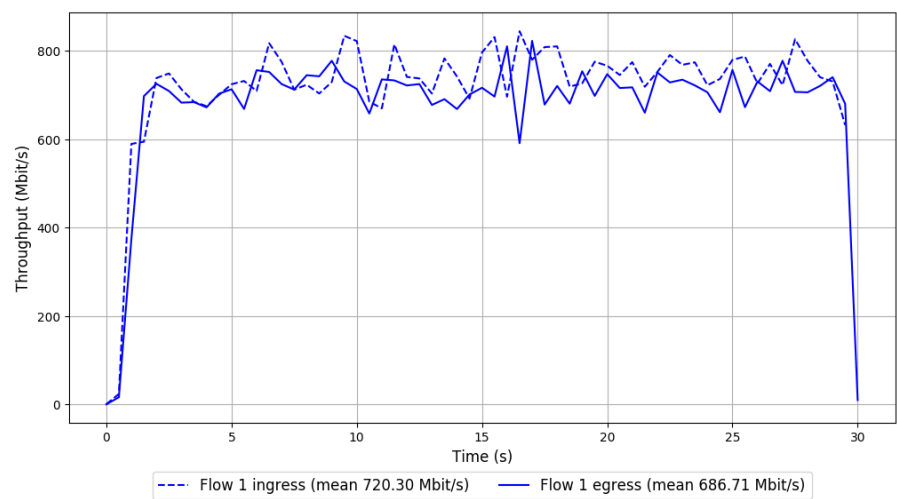
-- Flow 1:

Average throughput: 686.71 Mbit/s

95th percentile per-packet one-way delay: 273.375 ms

Loss rate: 4.66%

Run 10: Report of FillP — Data Link

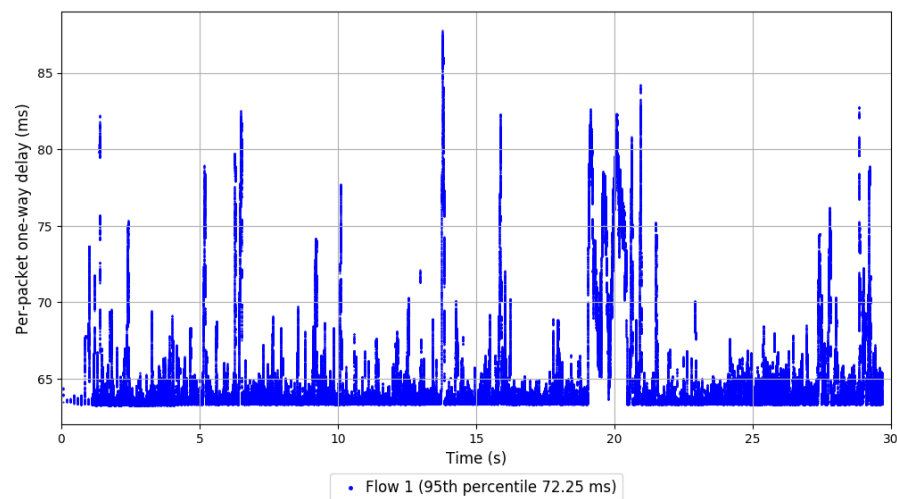
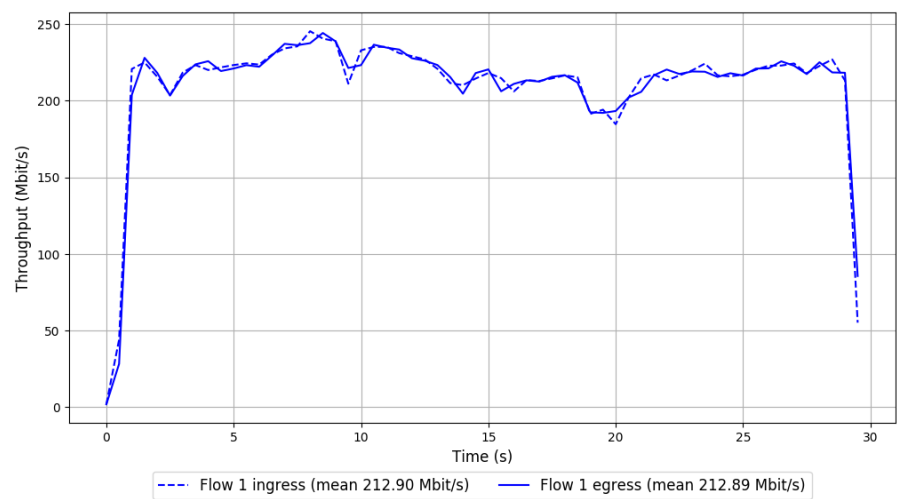


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 21:06:45
End at: 2018-04-17 21:07:15

# Below is generated by plot.py at 2018-04-18 01:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.89 Mbit/s
95th percentile per-packet one-way delay: 72.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.89 Mbit/s
95th percentile per-packet one-way delay: 72.251 ms
Loss rate: 0.00%
```

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

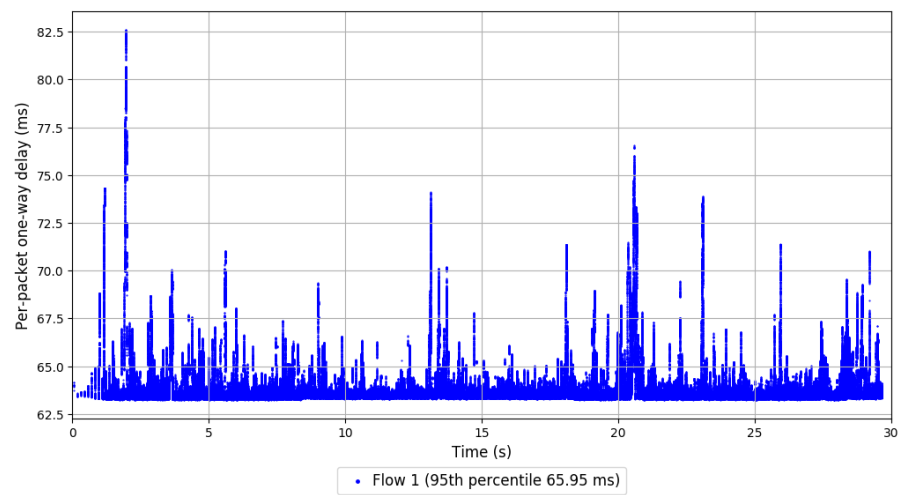
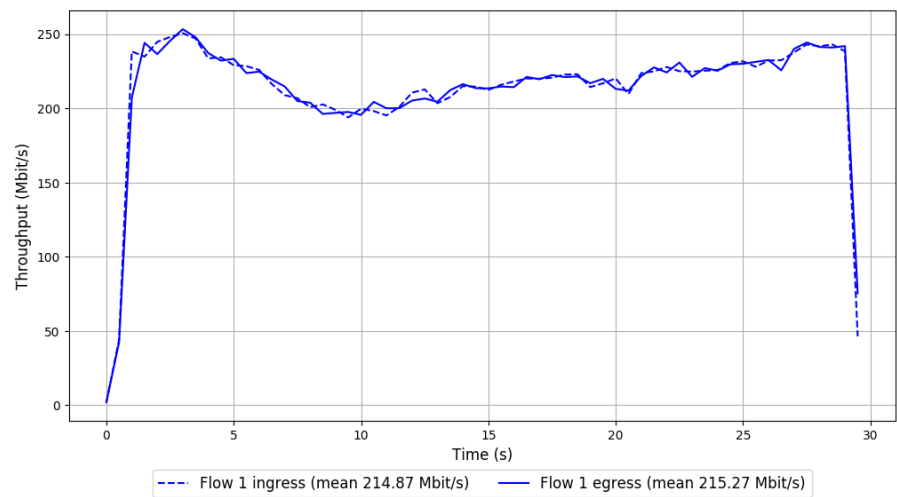


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 21:19:41
End at: 2018-04-17 21:20:11

# Below is generated by plot.py at 2018-04-18 01:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.27 Mbit/s
95th percentile per-packet one-way delay: 65.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.27 Mbit/s
95th percentile per-packet one-way delay: 65.954 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 21:32:38

End at: 2018-04-17 21:33:08

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.35 Mbit/s

95th percentile per-packet one-way delay: 64.762 ms

Loss rate: 0.00%

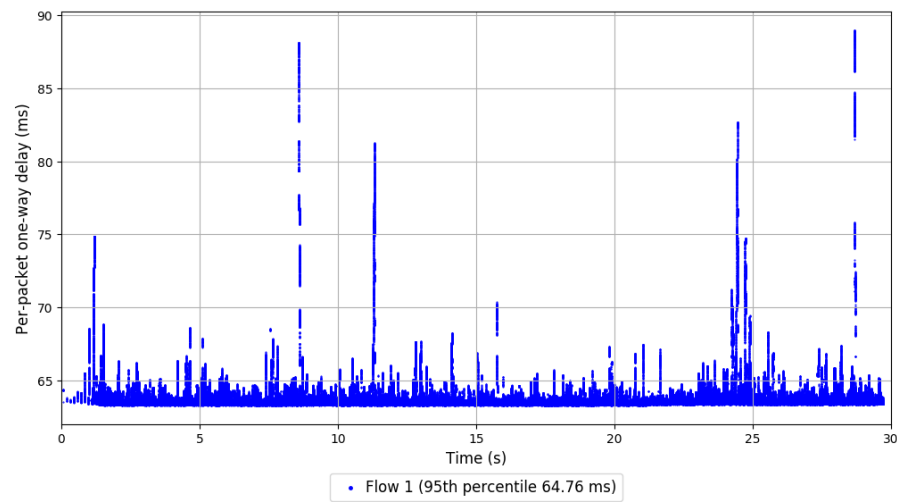
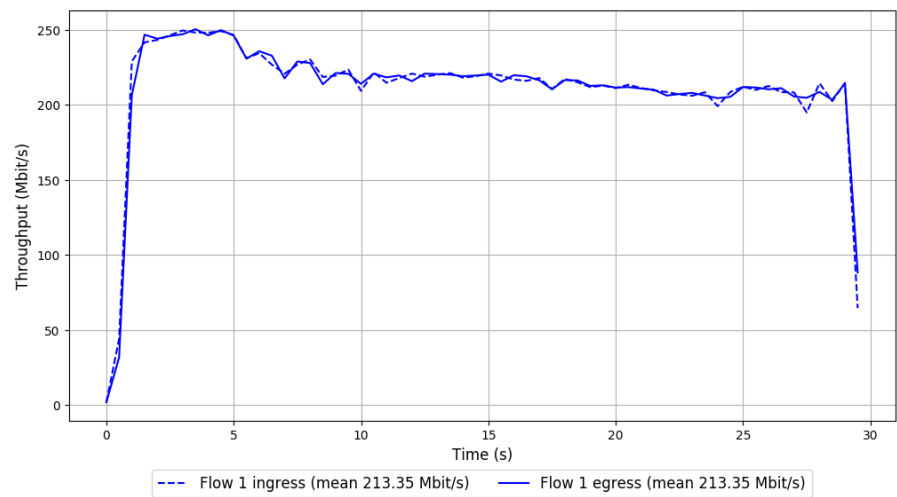
-- Flow 1:

Average throughput: 213.35 Mbit/s

95th percentile per-packet one-way delay: 64.762 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 21:45:33

End at: 2018-04-17 21:46:03

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.92 Mbit/s

95th percentile per-packet one-way delay: 65.304 ms

Loss rate: 0.01%

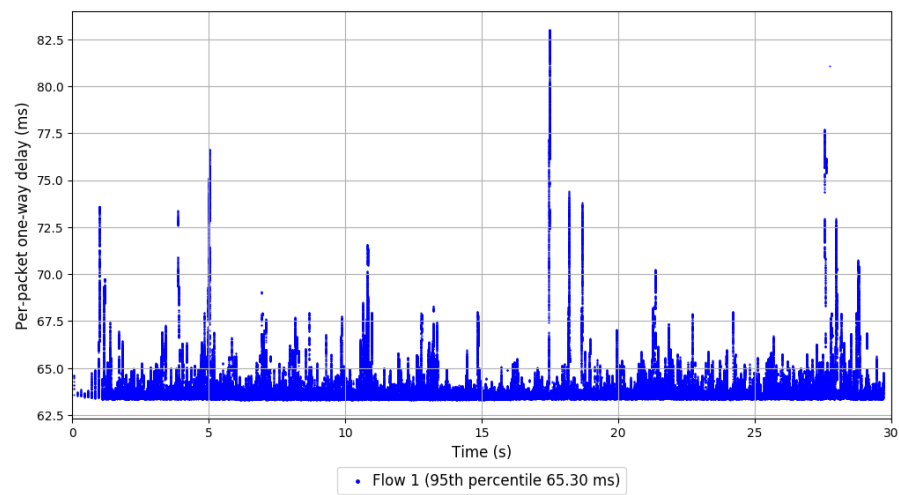
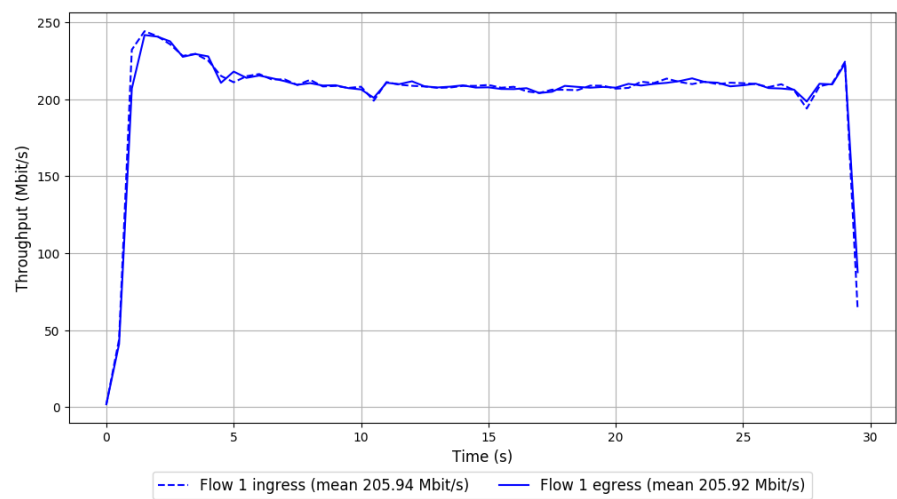
-- Flow 1:

Average throughput: 205.92 Mbit/s

95th percentile per-packet one-way delay: 65.304 ms

Loss rate: 0.01%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 21:58:25

End at: 2018-04-17 21:58:55

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.70 Mbit/s

95th percentile per-packet one-way delay: 64.620 ms

Loss rate: 0.01%

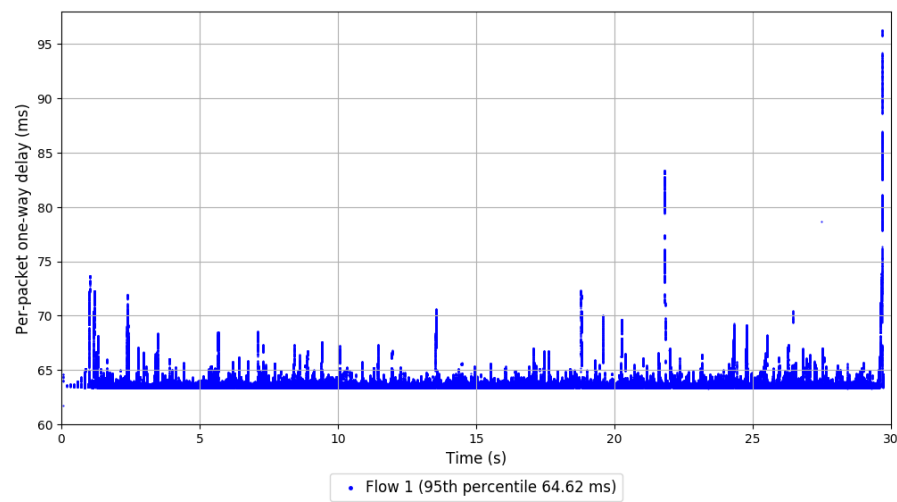
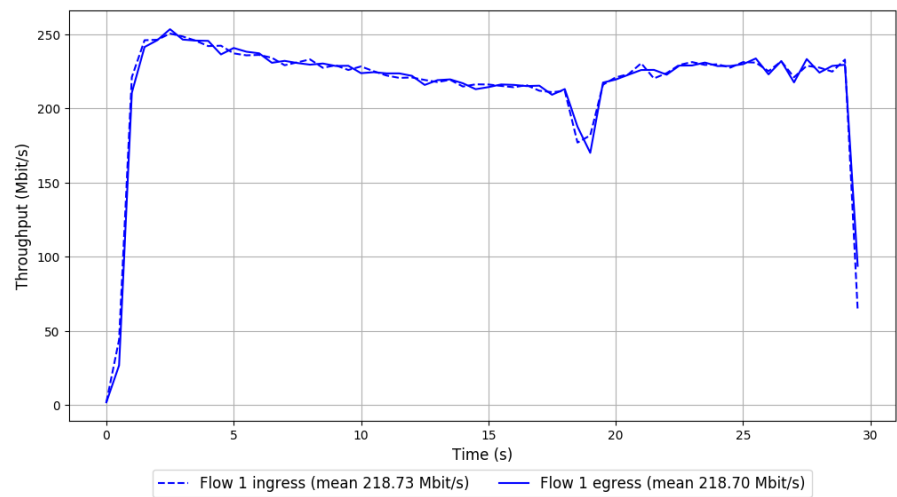
-- Flow 1:

Average throughput: 218.70 Mbit/s

95th percentile per-packet one-way delay: 64.620 ms

Loss rate: 0.01%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 22:11:20

End at: 2018-04-17 22:11:50

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.97 Mbit/s

95th percentile per-packet one-way delay: 66.030 ms

Loss rate: 0.00%

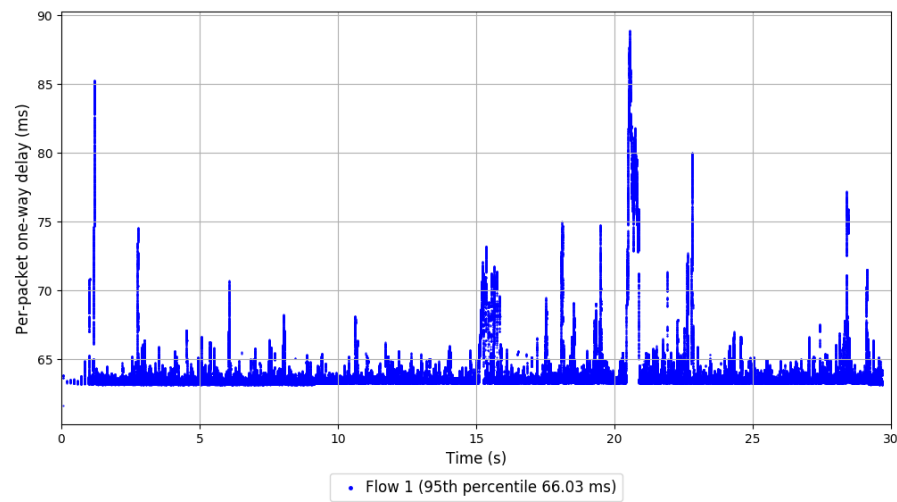
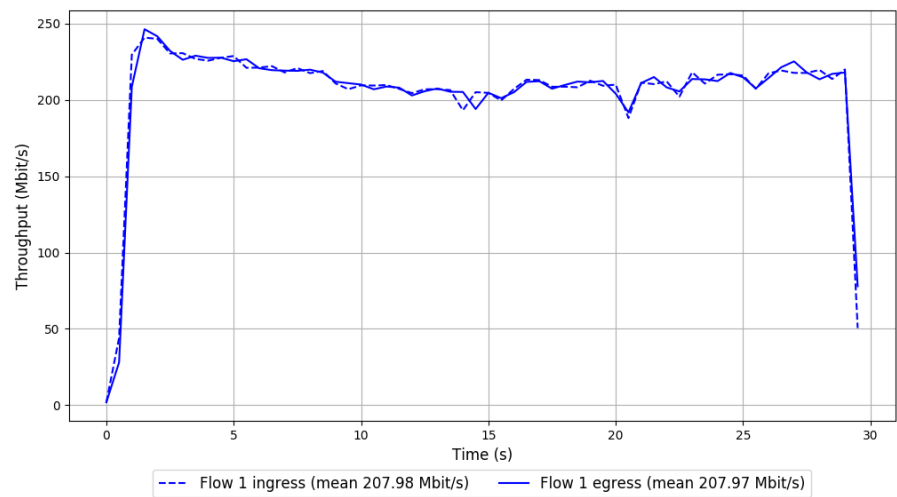
-- Flow 1:

Average throughput: 207.97 Mbit/s

95th percentile per-packet one-way delay: 66.030 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 22:24:30

End at: 2018-04-17 22:25:00

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.90 Mbit/s

95th percentile per-packet one-way delay: 63.745 ms

Loss rate: 0.02%

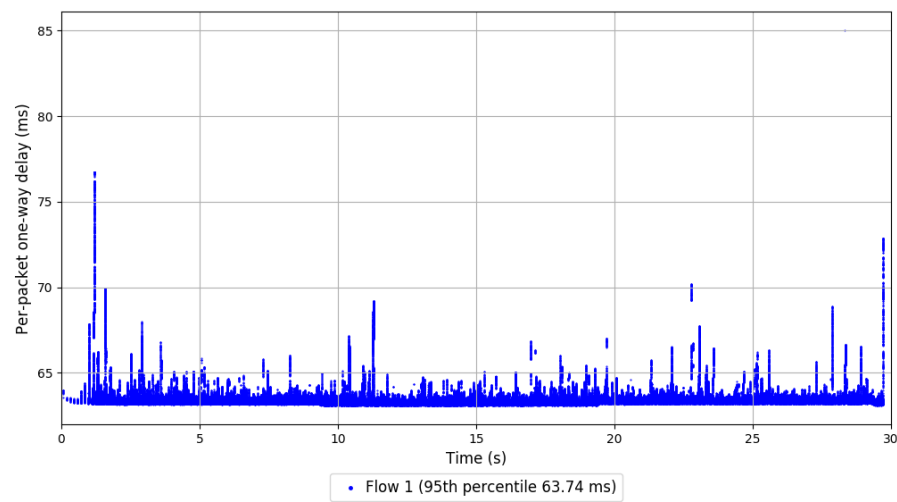
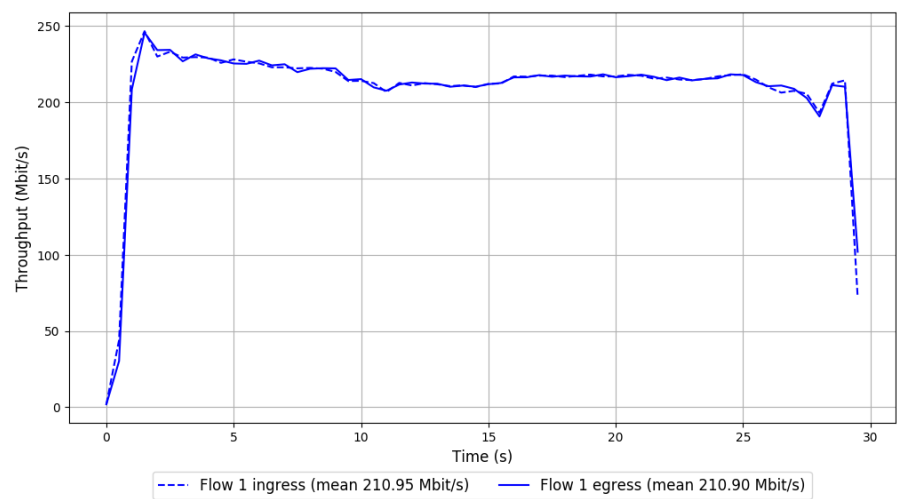
-- Flow 1:

Average throughput: 210.90 Mbit/s

95th percentile per-packet one-way delay: 63.745 ms

Loss rate: 0.02%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 22:37:39

End at: 2018-04-17 22:38:09

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.43 Mbit/s

95th percentile per-packet one-way delay: 63.789 ms

Loss rate: 0.00%

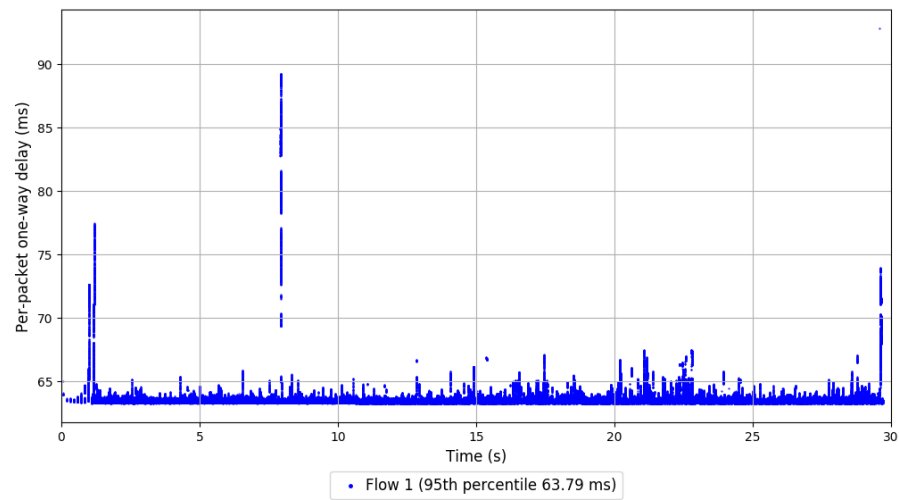
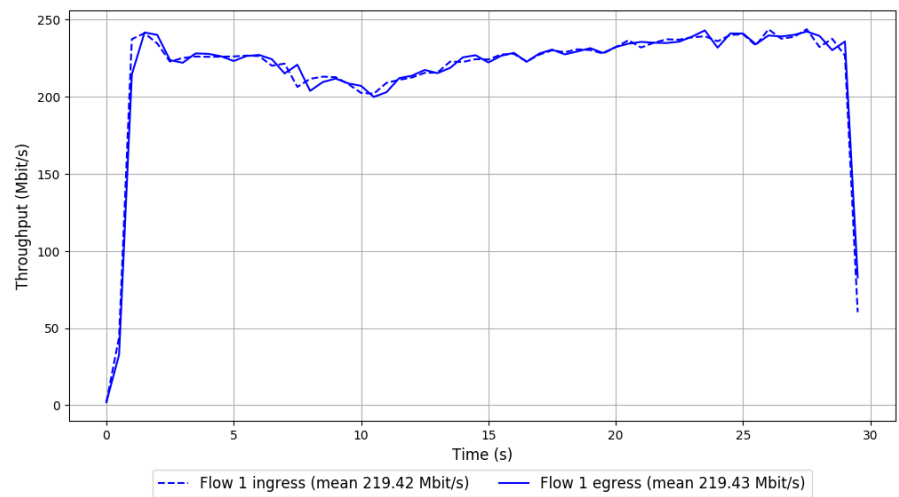
-- Flow 1:

Average throughput: 219.43 Mbit/s

95th percentile per-packet one-way delay: 63.789 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 22:50:45

End at: 2018-04-17 22:51:15

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.88 Mbit/s

95th percentile per-packet one-way delay: 63.890 ms

Loss rate: 0.00%

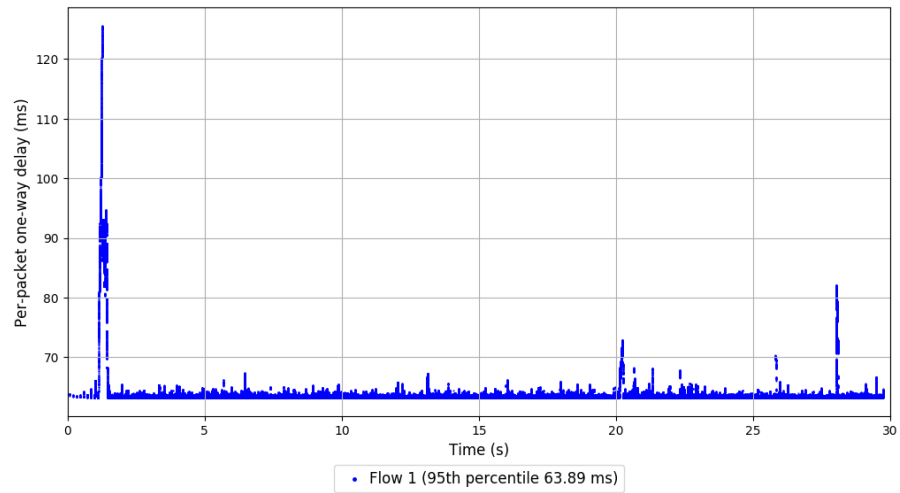
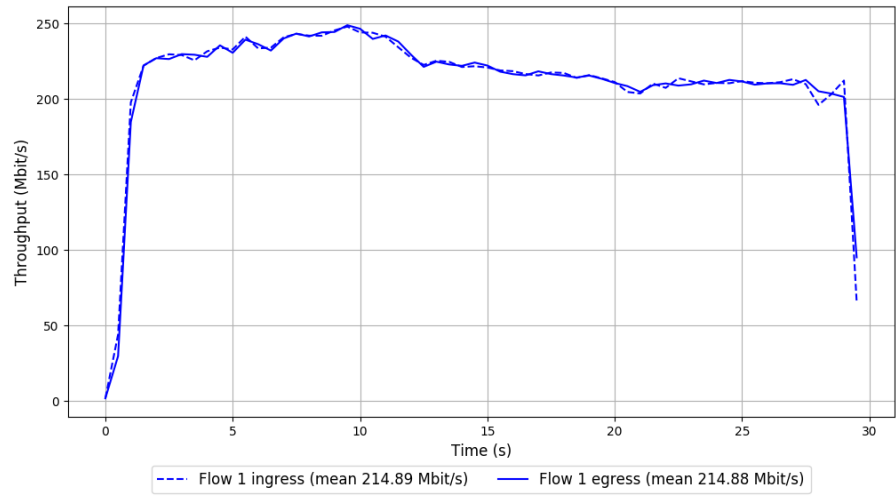
-- Flow 1:

Average throughput: 214.88 Mbit/s

95th percentile per-packet one-way delay: 63.890 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 23:03:48

End at: 2018-04-17 23:04:18

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.49 Mbit/s

95th percentile per-packet one-way delay: 64.361 ms

Loss rate: 0.00%

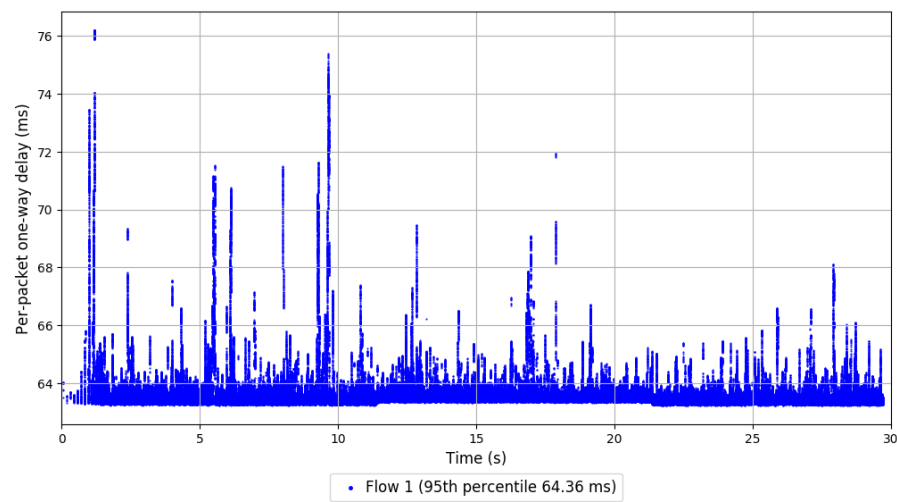
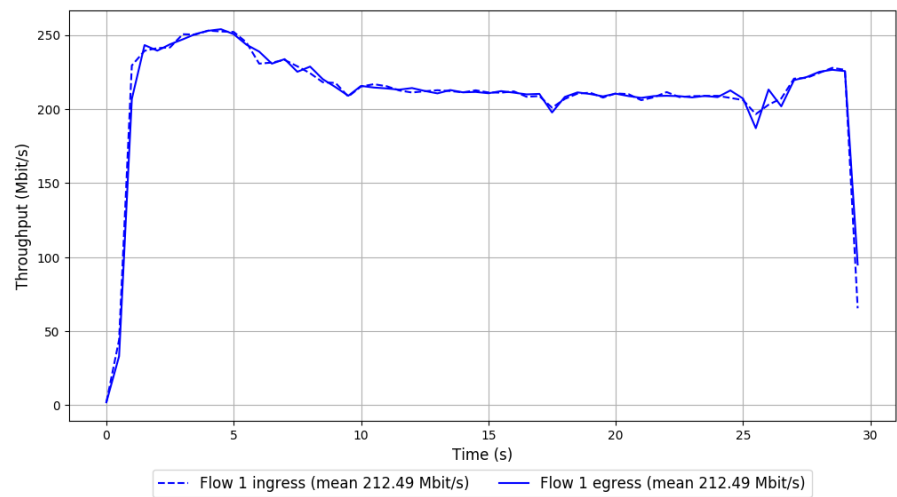
-- Flow 1:

Average throughput: 212.49 Mbit/s

95th percentile per-packet one-way delay: 64.361 ms

Loss rate: 0.00%

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

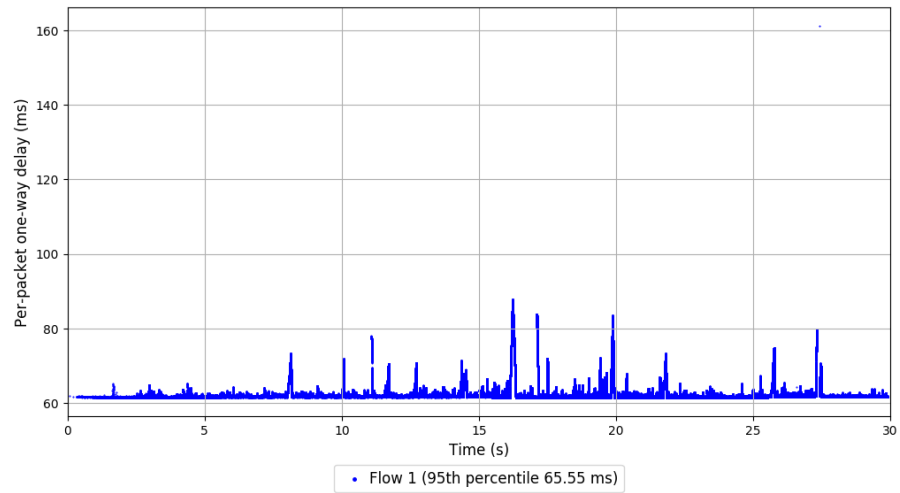
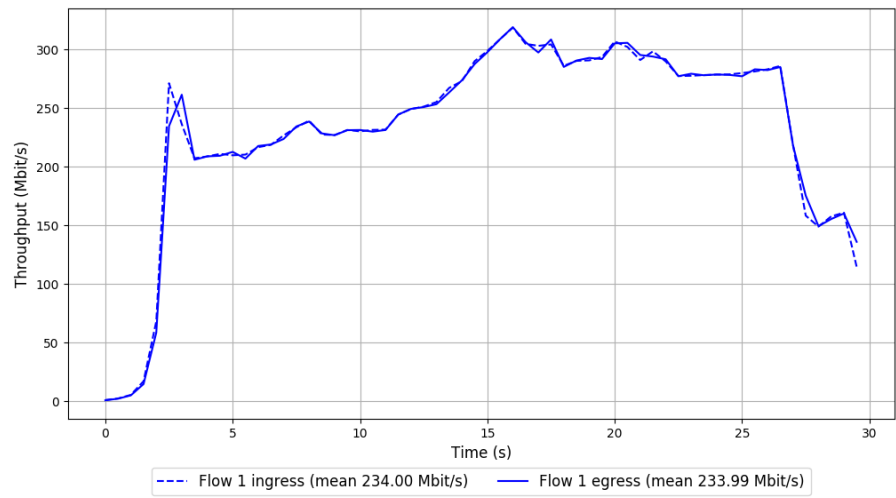


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 21:05:52
End at: 2018-04-17 21:06:22

# Below is generated by plot.py at 2018-04-18 01:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.99 Mbit/s
95th percentile per-packet one-way delay: 65.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.99 Mbit/s
95th percentile per-packet one-way delay: 65.550 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 21:18:47

End at: 2018-04-17 21:19:17

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.28 Mbit/s

95th percentile per-packet one-way delay: 83.578 ms

Loss rate: 0.99%

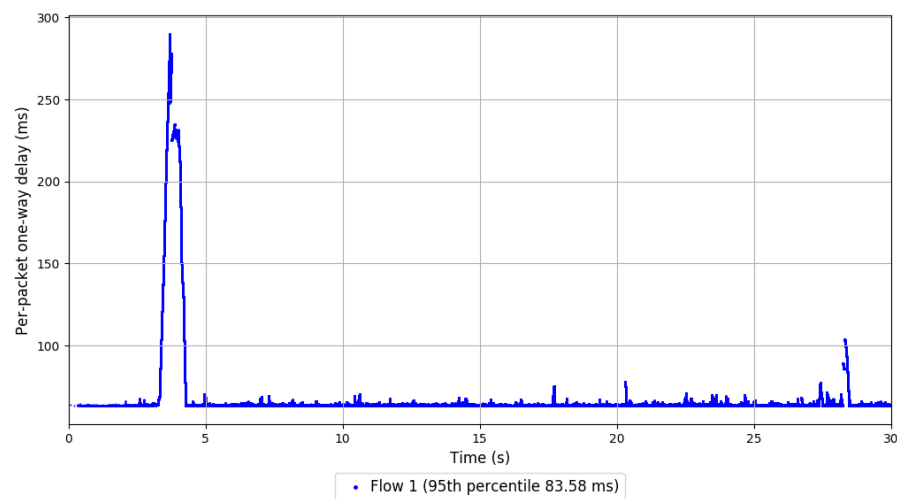
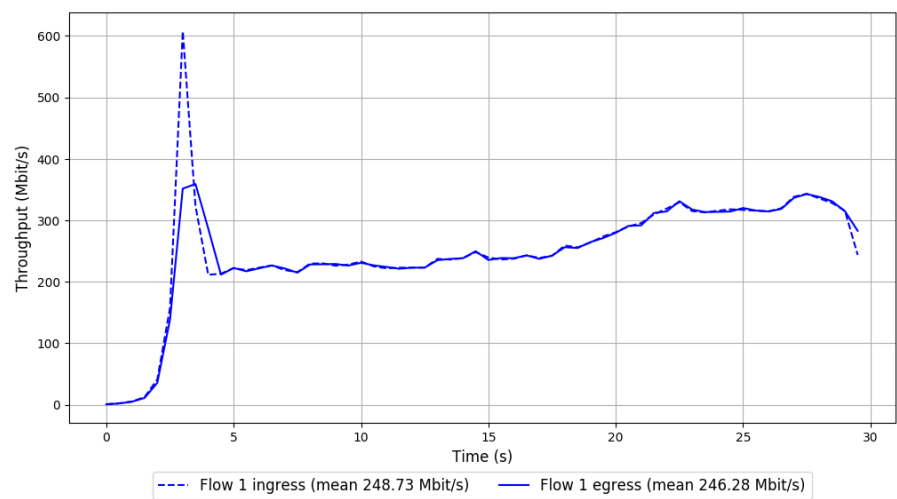
-- Flow 1:

Average throughput: 246.28 Mbit/s

95th percentile per-packet one-way delay: 83.578 ms

Loss rate: 0.99%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 21:31:42

End at: 2018-04-17 21:32:12

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.17 Mbit/s

95th percentile per-packet one-way delay: 74.460 ms

Loss rate: 0.00%

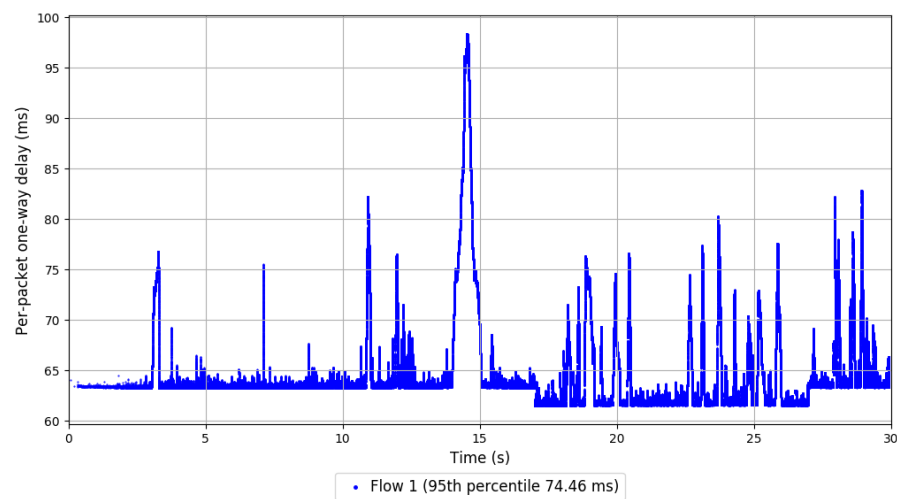
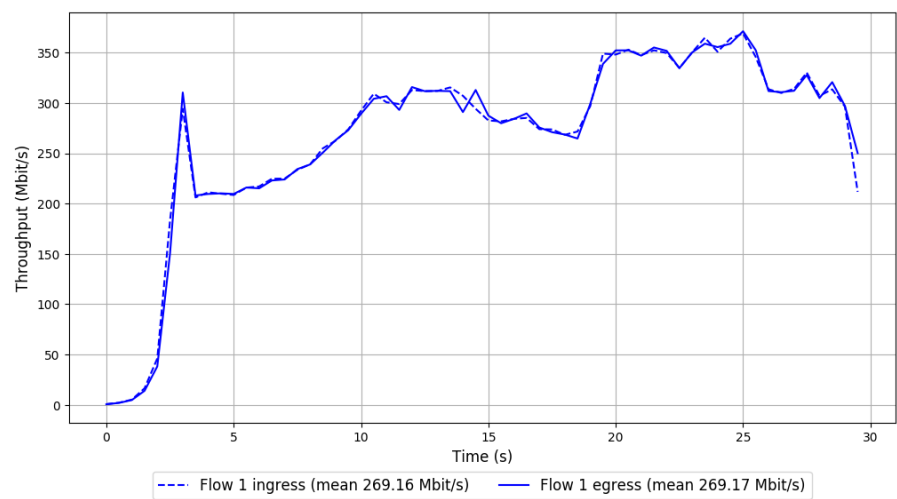
-- Flow 1:

Average throughput: 269.17 Mbit/s

95th percentile per-packet one-way delay: 74.460 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 21:44:39

End at: 2018-04-17 21:45:09

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.06 Mbit/s

95th percentile per-packet one-way delay: 175.051 ms

Loss rate: 0.04%

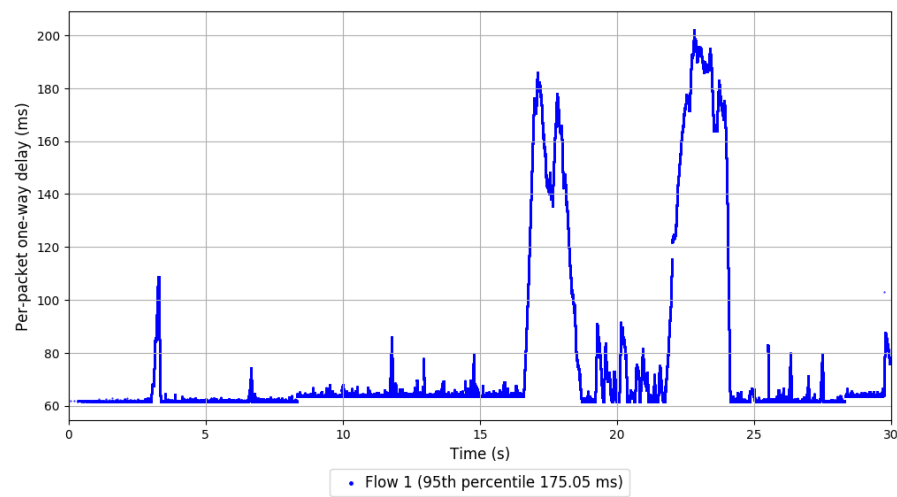
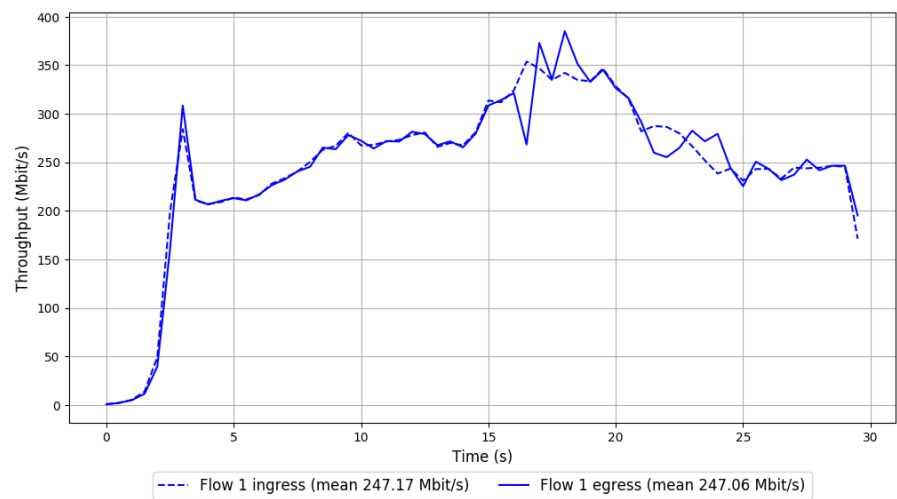
-- Flow 1:

Average throughput: 247.06 Mbit/s

95th percentile per-packet one-way delay: 175.051 ms

Loss rate: 0.04%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 21:57:32

End at: 2018-04-17 21:58:02

Below is generated by plot.py at 2018-04-18 01:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.86 Mbit/s

95th percentile per-packet one-way delay: 72.255 ms

Loss rate: 0.00%

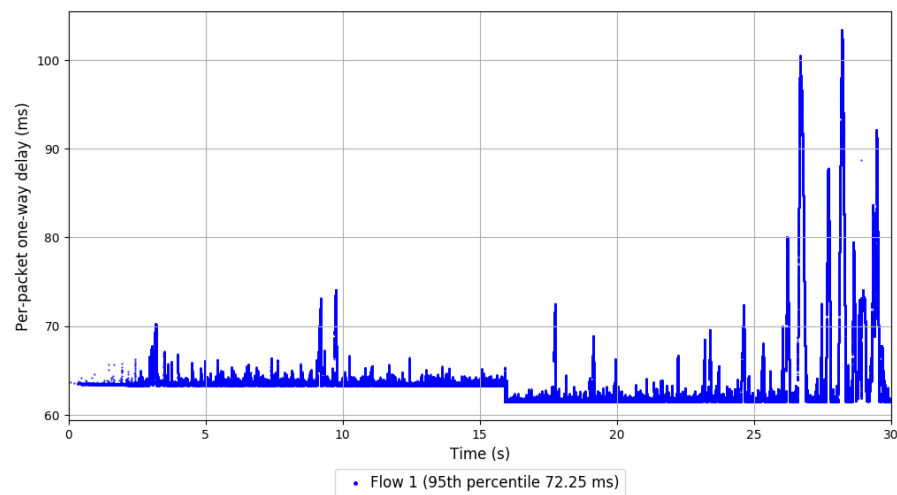
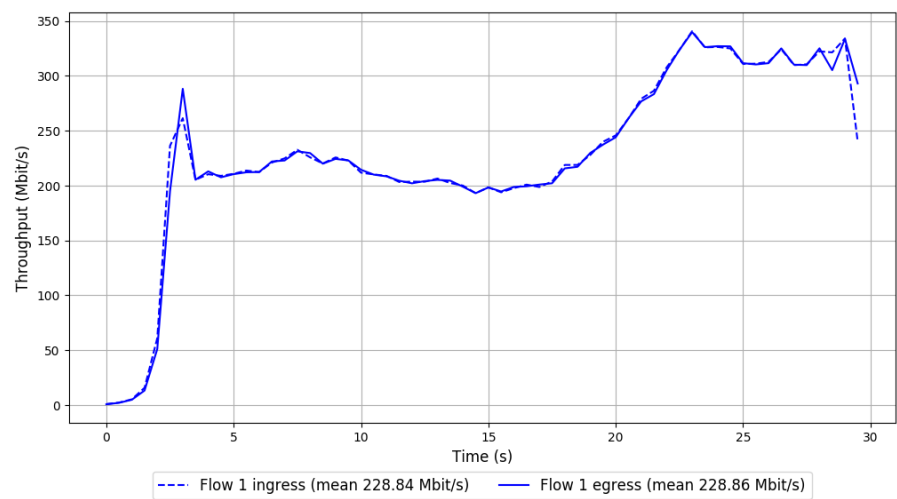
-- Flow 1:

Average throughput: 228.86 Mbit/s

95th percentile per-packet one-way delay: 72.255 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 22:10:26

End at: 2018-04-17 22:10:56

Below is generated by plot.py at 2018-04-18 01:16:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.19 Mbit/s

95th percentile per-packet one-way delay: 147.373 ms

Loss rate: 0.30%

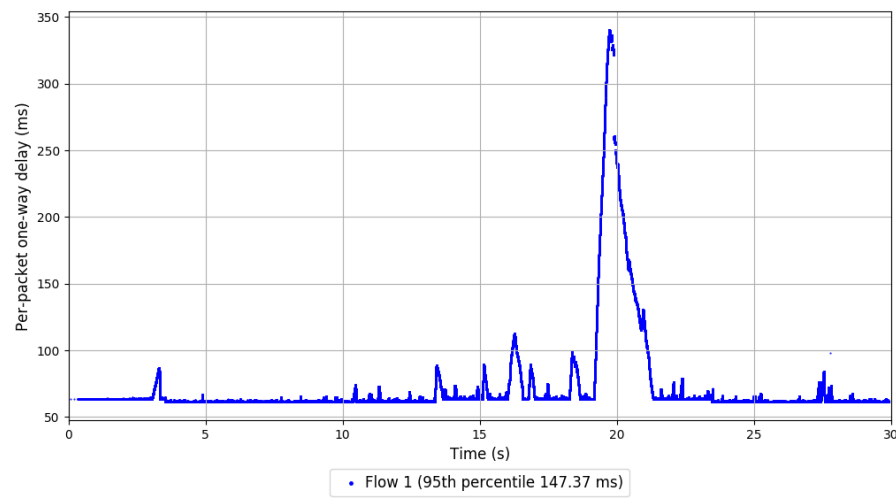
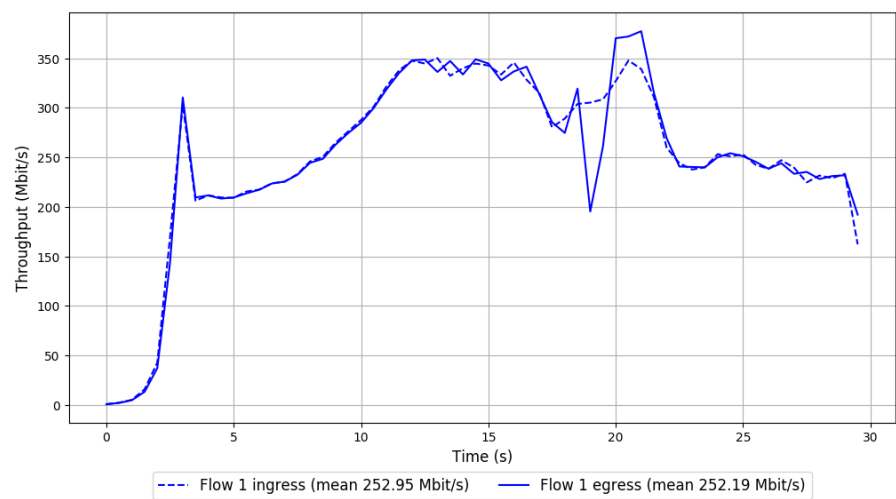
-- Flow 1:

Average throughput: 252.19 Mbit/s

95th percentile per-packet one-way delay: 147.373 ms

Loss rate: 0.30%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 22:23:34

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

Below is generated by plot.py at 2018-04-18 01:16:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.89 Mbit/s

95th percentile per-packet one-way delay: 65.951 ms

Loss rate: 0.00%

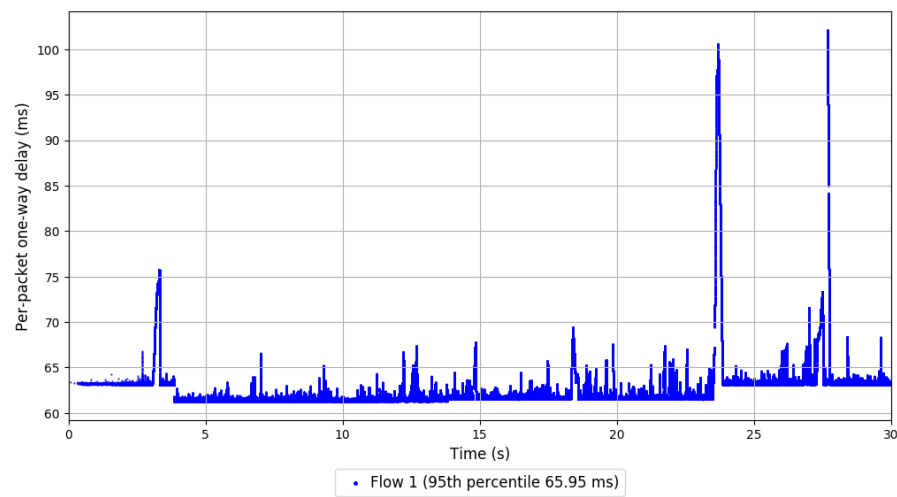
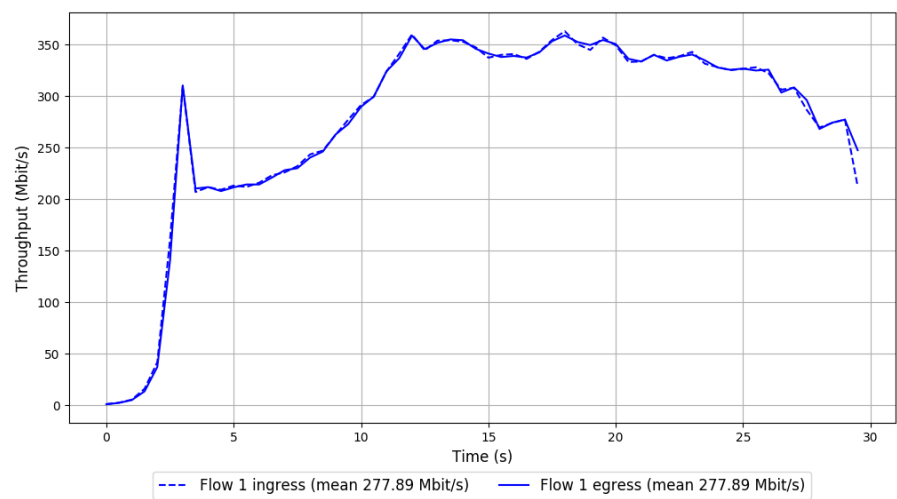
-- Flow 1:

Average throughput: 277.89 Mbit/s

95th percentile per-packet one-way delay: 65.951 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 22:36:42

End at: 2018-04-17 22:37:12

Below is generated by plot.py at 2018-04-18 01:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.90 Mbit/s

95th percentile per-packet one-way delay: 76.705 ms

Loss rate: 0.01%

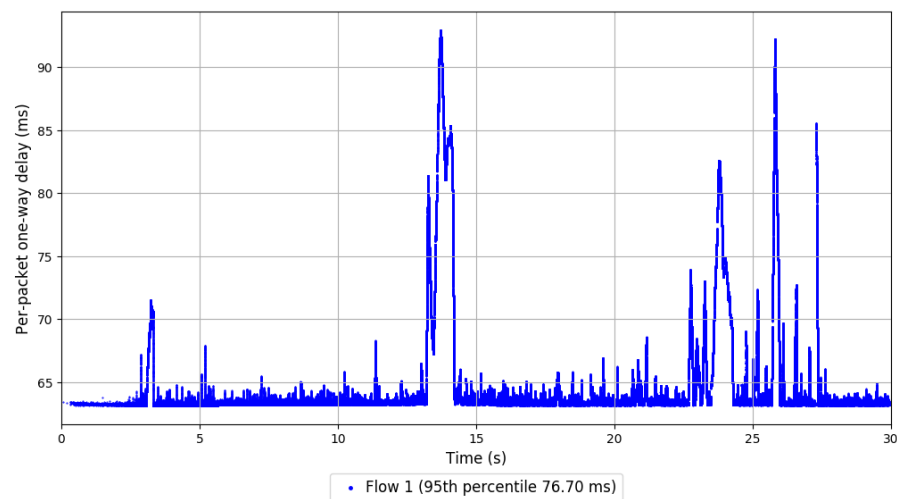
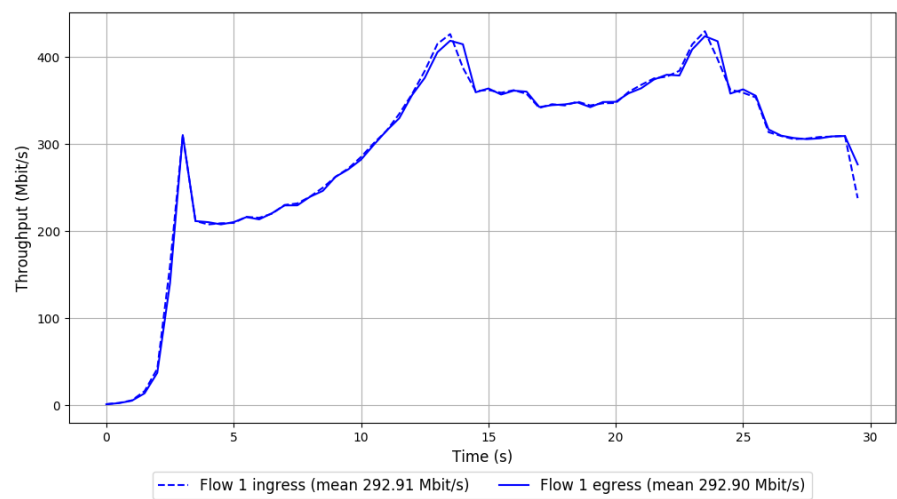
-- Flow 1:

Average throughput: 292.90 Mbit/s

95th percentile per-packet one-way delay: 76.705 ms

Loss rate: 0.01%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 22:49:52

End at: 2018-04-17 22:50:22

Below is generated by plot.py at 2018-04-18 01:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.24 Mbit/s

95th percentile per-packet one-way delay: 67.226 ms

Loss rate: 0.09%

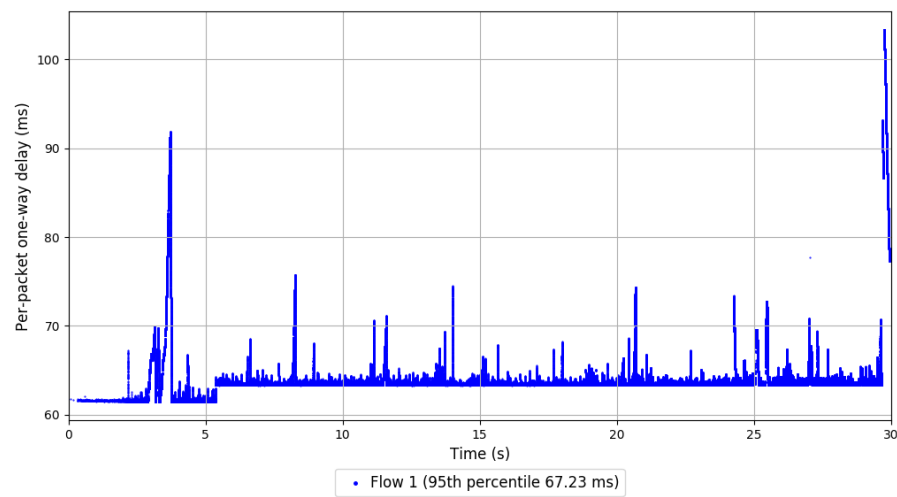
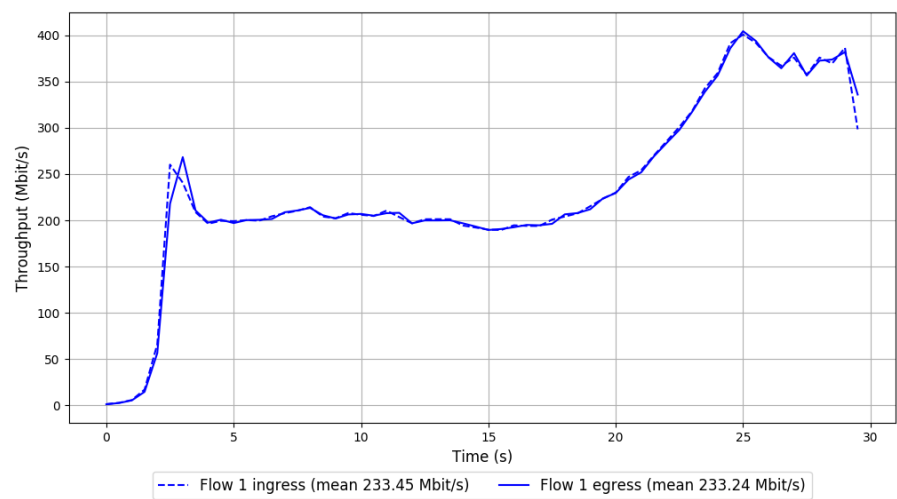
-- Flow 1:

Average throughput: 233.24 Mbit/s

95th percentile per-packet one-way delay: 67.226 ms

Loss rate: 0.09%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 23:02:52

End at: 2018-04-17 23:03:22

Below is generated by plot.py at 2018-04-18 01:17:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.42 Mbit/s

95th percentile per-packet one-way delay: 70.429 ms

Loss rate: 0.00%

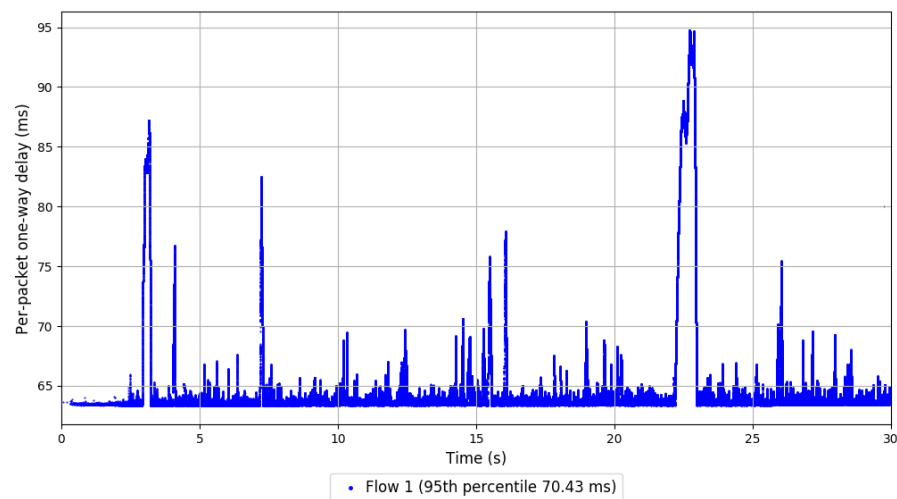
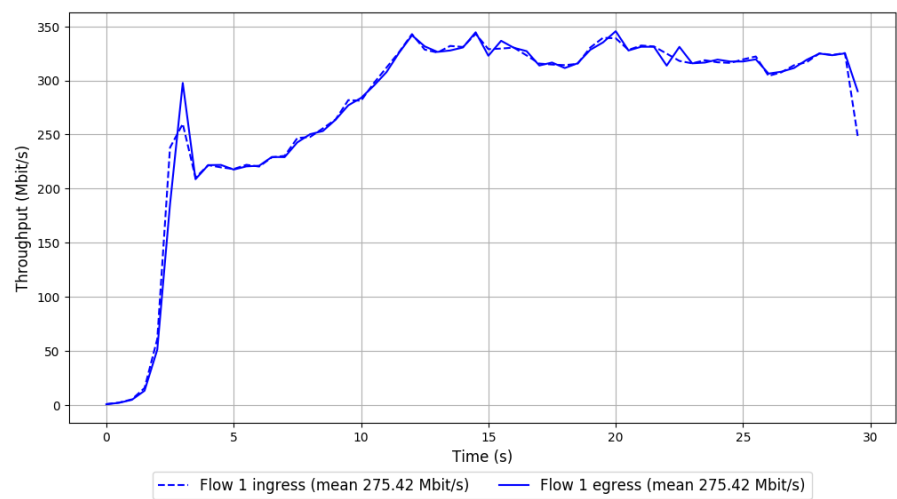
-- Flow 1:

Average throughput: 275.42 Mbit/s

95th percentile per-packet one-way delay: 70.429 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 21:00:01

End at: 2018-04-17 21:00:31

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 21:13:01

End at: 2018-04-17 21:13:31

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 21:25:57

End at: 2018-04-17 21:26:27

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 21:39:00

End at: 2018-04-17 21:39:30

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 21:51:49

End at: 2018-04-17 21:52:19

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 22:04:43

End at: 2018-04-17 22:05:13

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 22:17:42

End at: 2018-04-17 22:18:12

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 22:30:49

End at: 2018-04-17 22:31:19

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 22:44:04

End at: 2018-04-17 22:44:34

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 22:57:04

End at: 2018-04-17 22:57:34

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing