

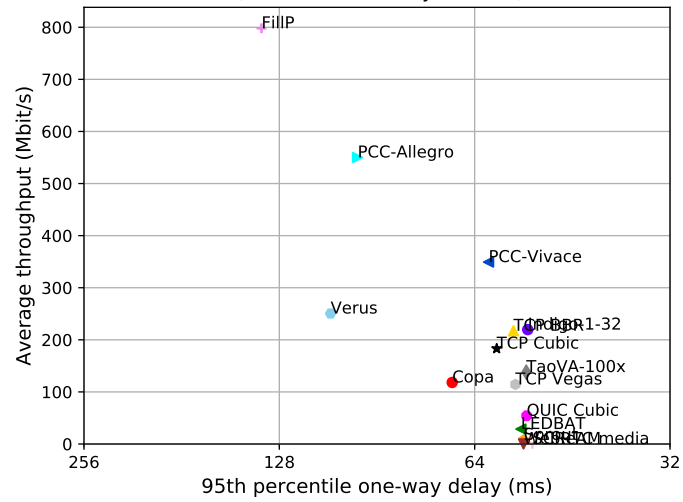
Pantheon Report

Generated at 2018-04-24 18:29:03 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

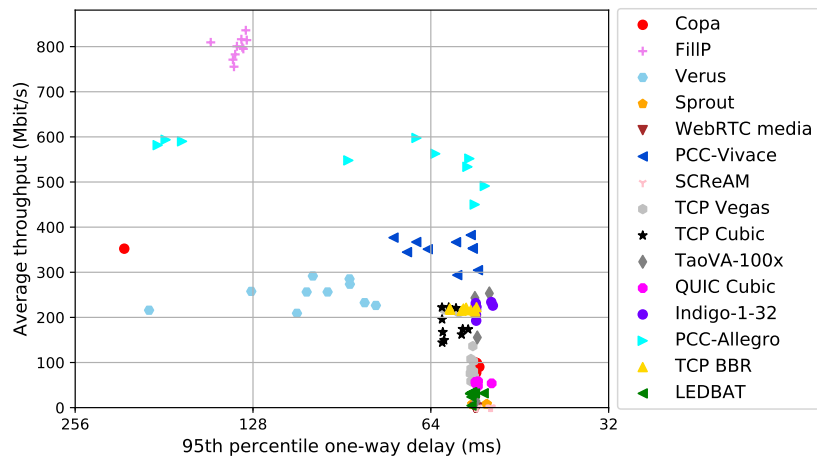
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



test from GCE Sydney 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	217.38	55.77	0.00
TCP Cubic	10	183.13	59.19	0.01
LEDBAT	10	28.70	54.32	0.00
PCC-Allegro	10	550.04	96.94	0.74
QUIC Cubic	9	54.24	53.22	0.00
SCReAM	10	0.21	52.15	0.00
WebRTC media	10	0.06	53.81	0.00
Sprout	10	7.76	53.78	0.02
TaoVA-100x	7	138.10	53.29	0.00
TCP Vegas	10	114.35	55.39	0.00
Verus	10	250.49	106.72	0.43
Copa	10	118.20	69.31	2.55
FillP	10	798.04	136.37	4.87
Indigo-1-32	10	219.62	53.01	0.01
PCC-Vivace	10	349.26	60.93	0.02
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 14:02:23

End at: 2018-04-24 14:02:53

Below is generated by plot.py at 2018-04-24 17:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.10 Mbit/s

95th percentile per-packet one-way delay: 54.774 ms

Loss rate: 0.00%

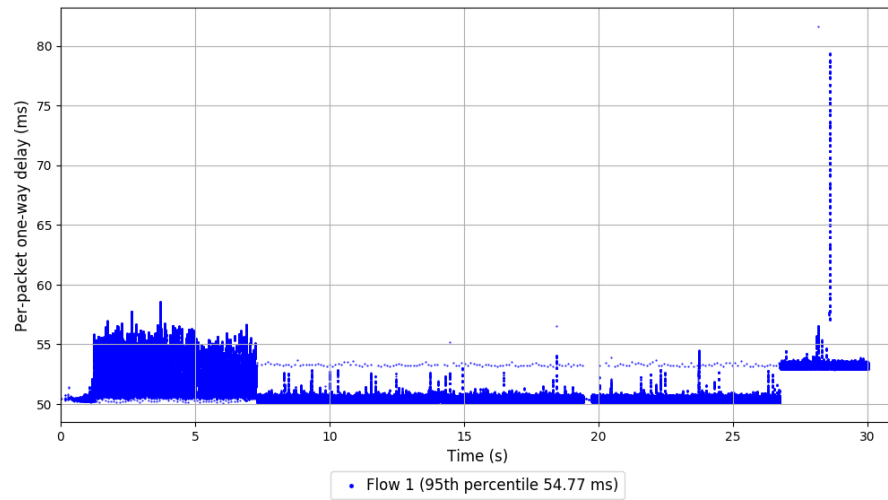
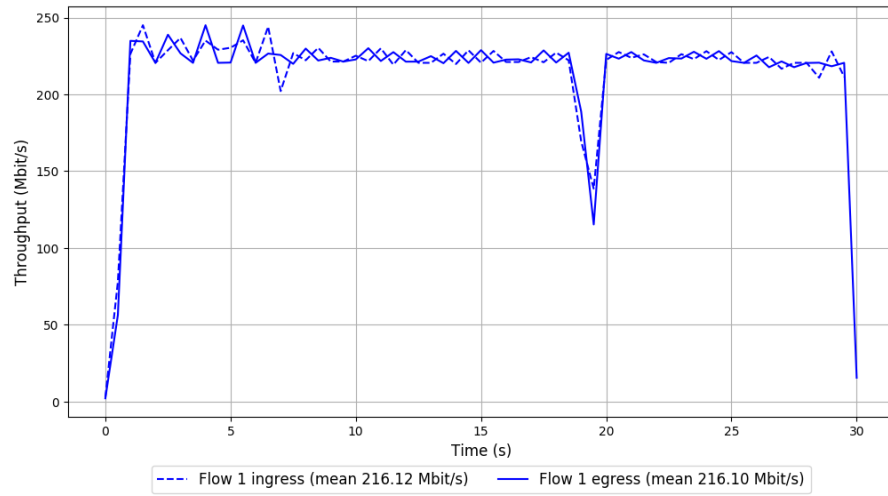
-- Flow 1:

Average throughput: 216.10 Mbit/s

95th percentile per-packet one-way delay: 54.774 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 14:15:22

End at: 2018-04-24 14:15:52

Below is generated by plot.py at 2018-04-24 17:25:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.77 Mbit/s

95th percentile per-packet one-way delay: 59.441 ms

Loss rate: 0.00%

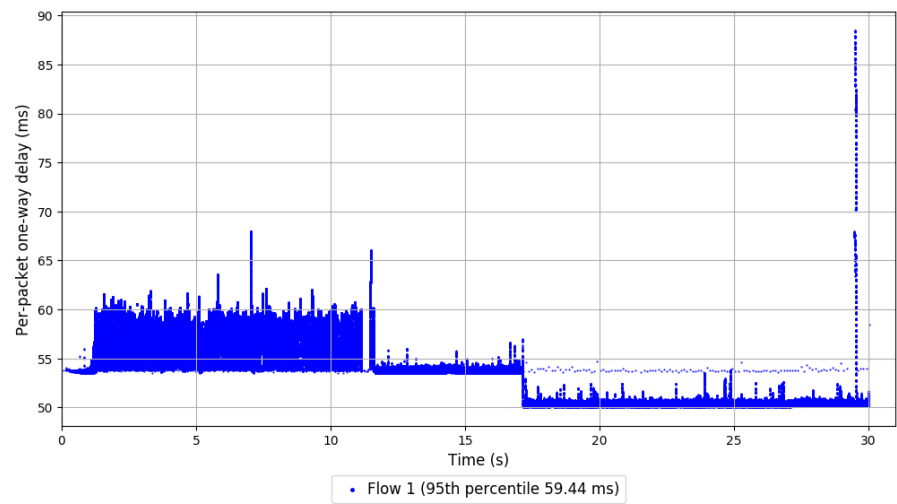
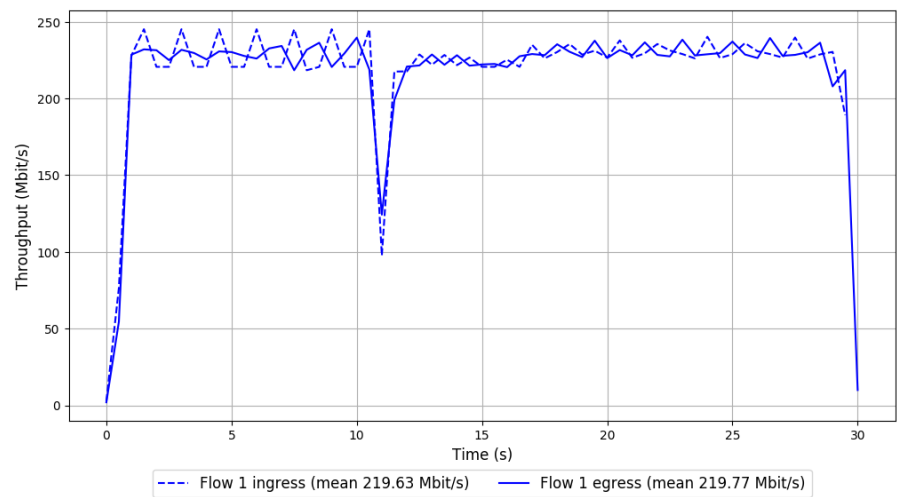
-- Flow 1:

Average throughput: 219.77 Mbit/s

95th percentile per-packet one-way delay: 59.441 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 14:28:31

End at: 2018-04-24 14:29:01

Below is generated by plot.py at 2018-04-24 17:25:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.27 Mbit/s

95th percentile per-packet one-way delay: 53.994 ms

Loss rate: 0.00%

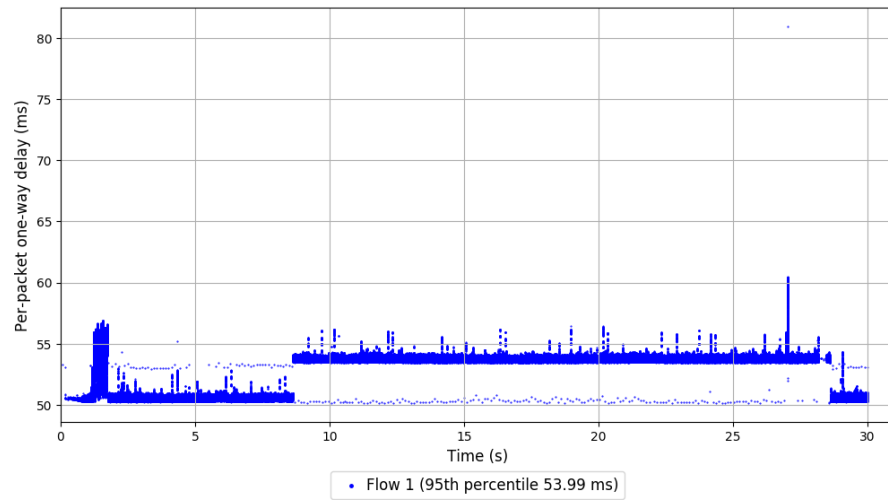
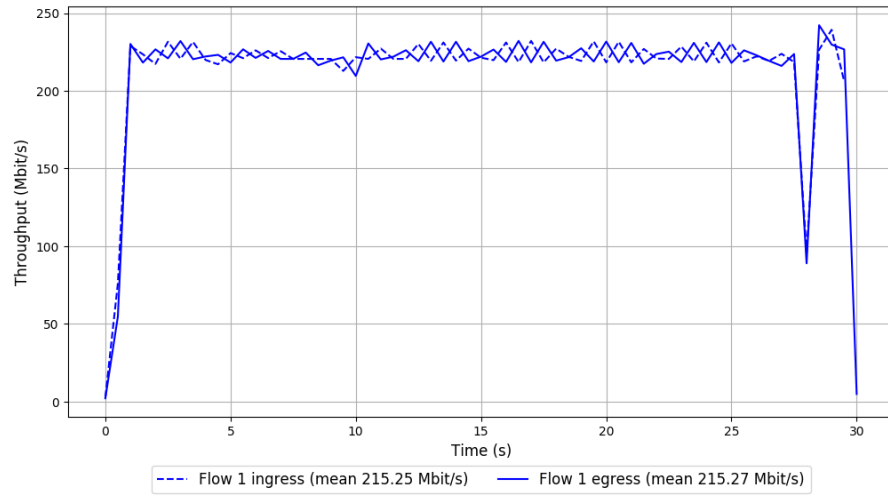
-- Flow 1:

Average throughput: 215.27 Mbit/s

95th percentile per-packet one-way delay: 53.994 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 14:41:16

End at: 2018-04-24 14:41:46

Below is generated by plot.py at 2018-04-24 17:25:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.52 Mbit/s

95th percentile per-packet one-way delay: 53.832 ms

Loss rate: 0.00%

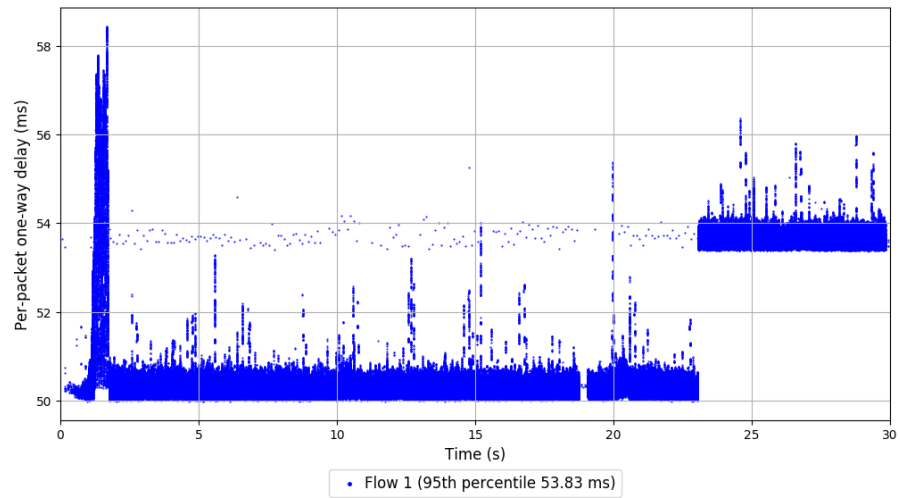
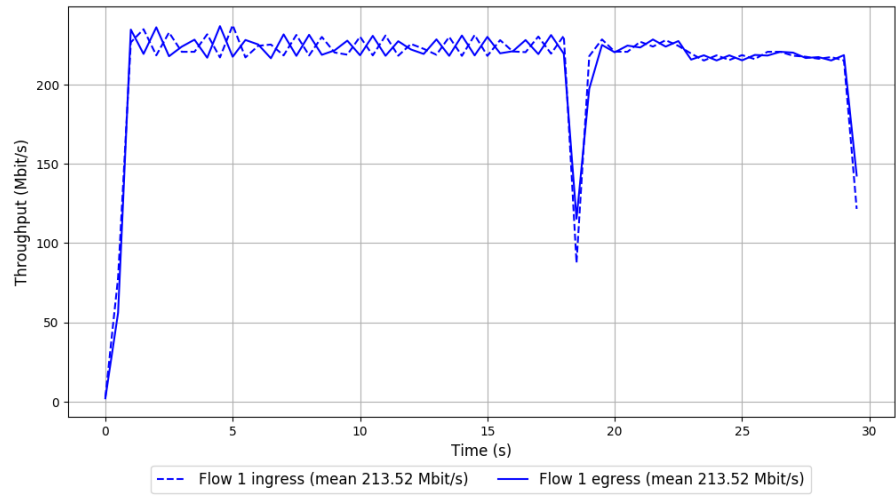
-- Flow 1:

Average throughput: 213.52 Mbit/s

95th percentile per-packet one-way delay: 53.832 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 14:54:30

End at: 2018-04-24 14:55:00

Below is generated by plot.py at 2018-04-24 17:25:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.63 Mbit/s

95th percentile per-packet one-way delay: 53.561 ms

Loss rate: 0.00%

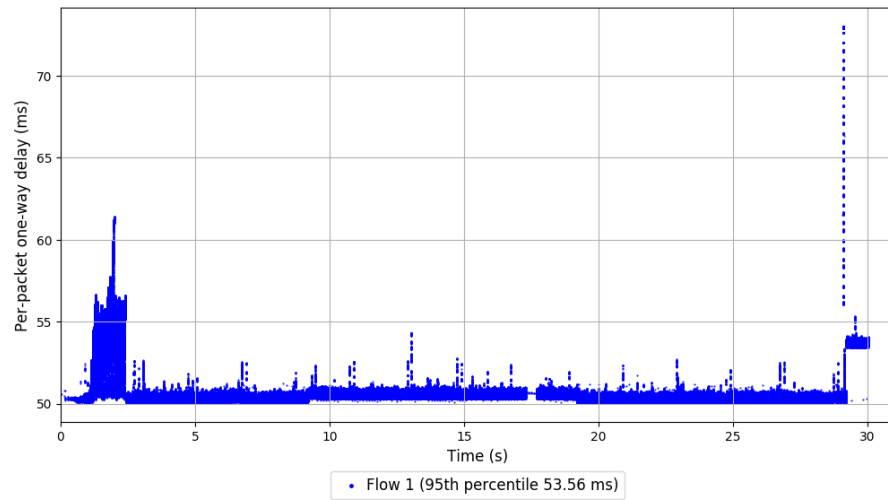
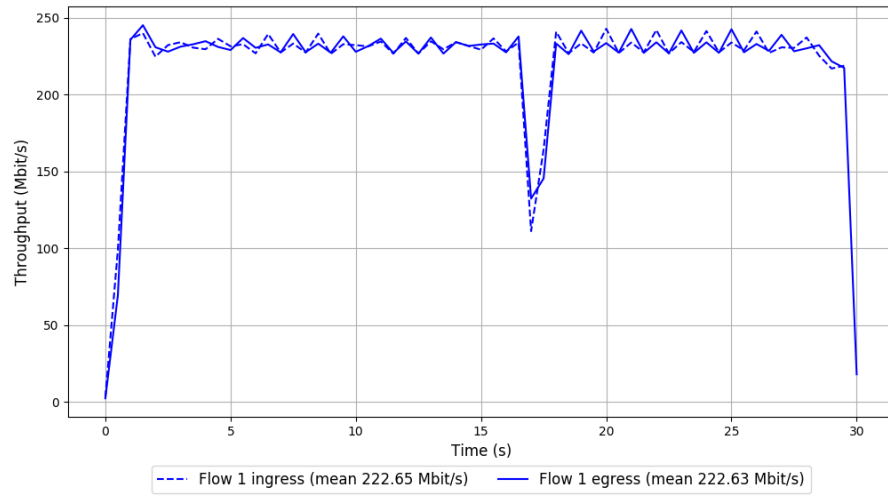
-- Flow 1:

Average throughput: 222.63 Mbit/s

95th percentile per-packet one-way delay: 53.561 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 15:07:42

End at: 2018-04-24 15:08:12

Below is generated by plot.py at 2018-04-24 17:25:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.50 Mbit/s

95th percentile per-packet one-way delay: 55.768 ms

Loss rate: 0.00%

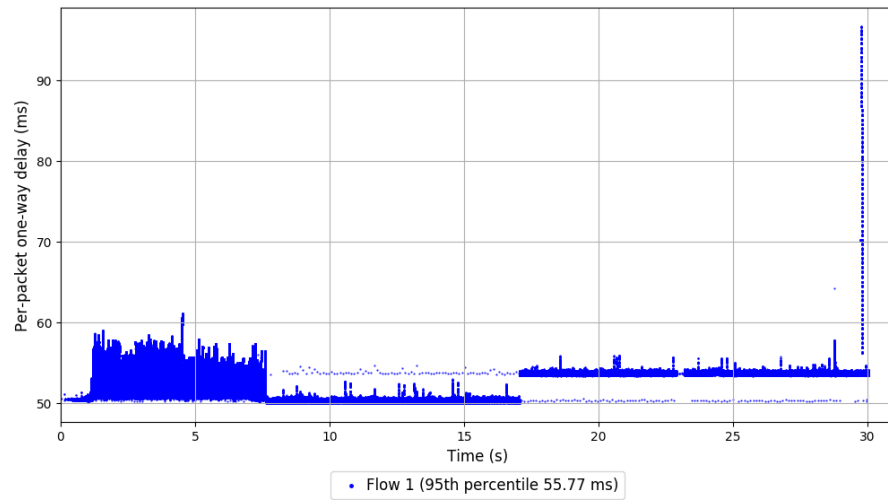
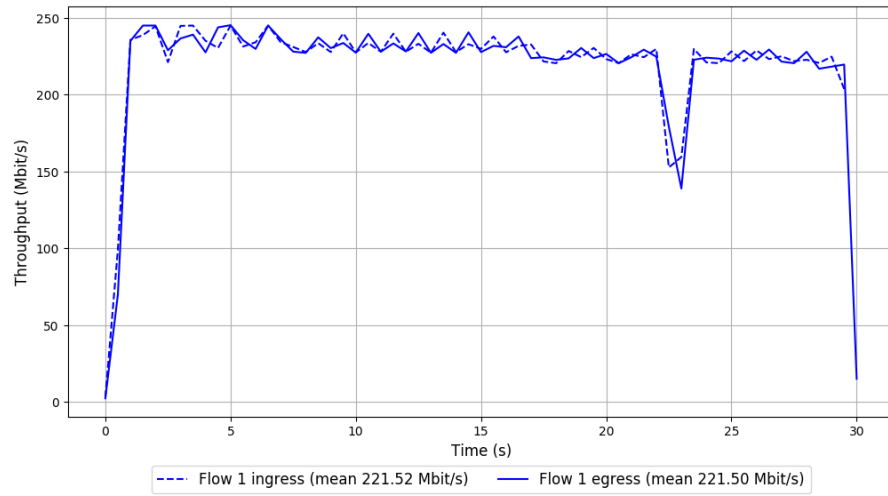
-- Flow 1:

Average throughput: 221.50 Mbit/s

95th percentile per-packet one-way delay: 55.768 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 15:20:34

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

Below is generated by plot.py at 2018-04-24 17:25:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.47 Mbit/s

95th percentile per-packet one-way delay: 53.876 ms

Loss rate: 0.00%

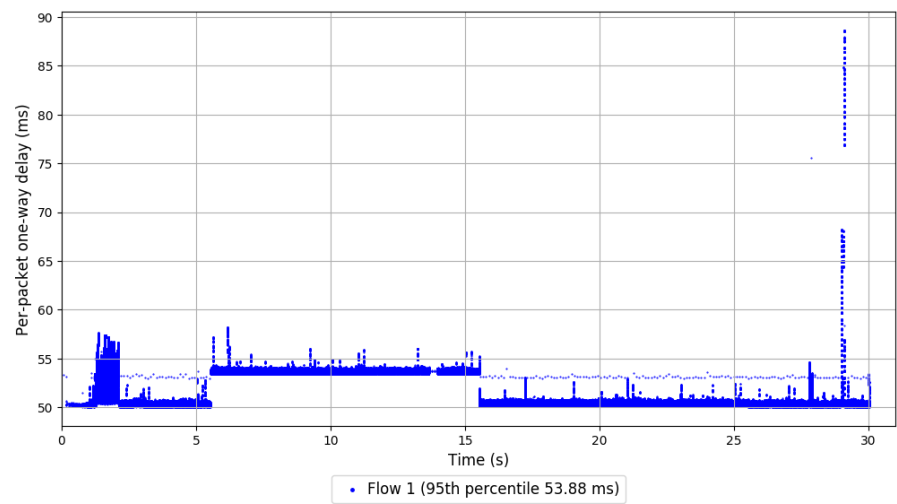
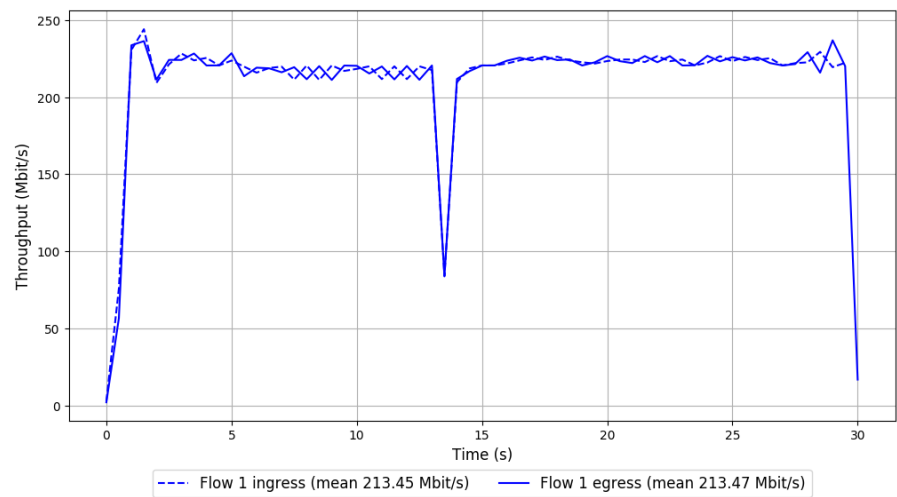
-- Flow 1:

Average throughput: 213.47 Mbit/s

95th percentile per-packet one-way delay: 53.876 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 15:33:38

End at: 2018-04-24 15:34:08

Below is generated by plot.py at 2018-04-24 17:25:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.70 Mbit/s

95th percentile per-packet one-way delay: 56.358 ms

Loss rate: 0.00%

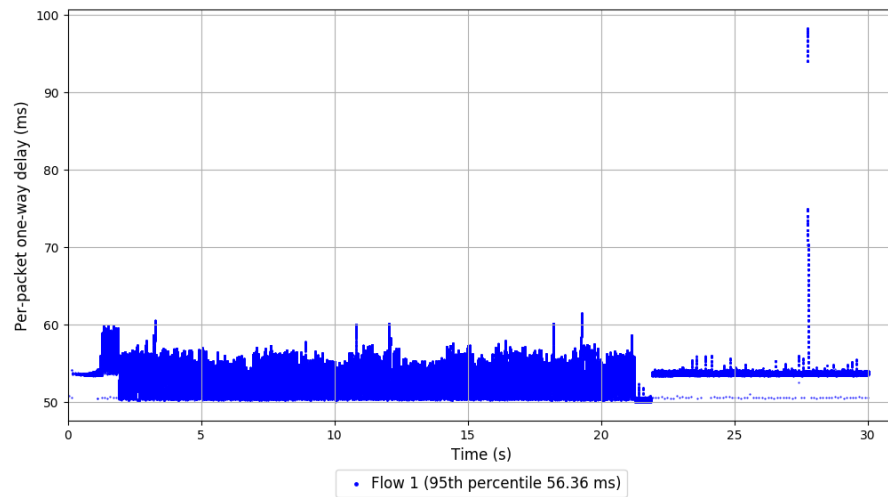
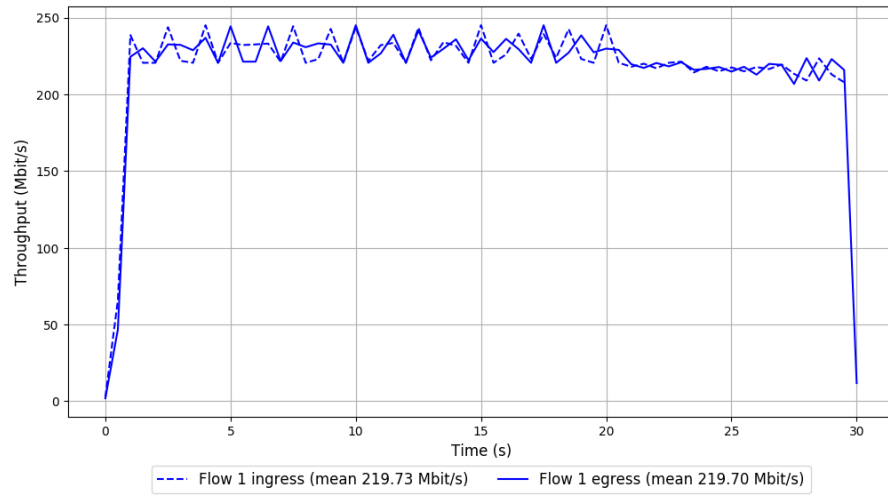
-- Flow 1:

Average throughput: 219.70 Mbit/s

95th percentile per-packet one-way delay: 56.358 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 15:46:29

End at: 2018-04-24 15:46:59

Below is generated by plot.py at 2018-04-24 17:28:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.93 Mbit/s

95th percentile per-packet one-way delay: 56.758 ms

Loss rate: 0.00%

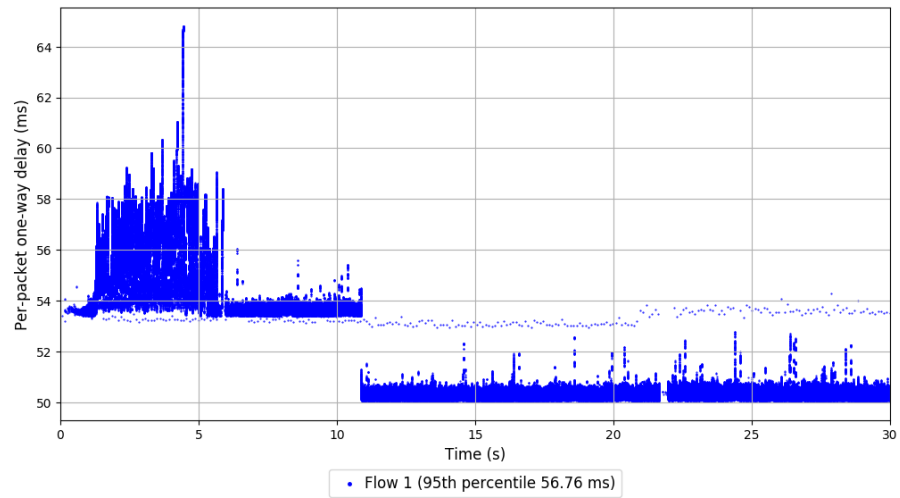
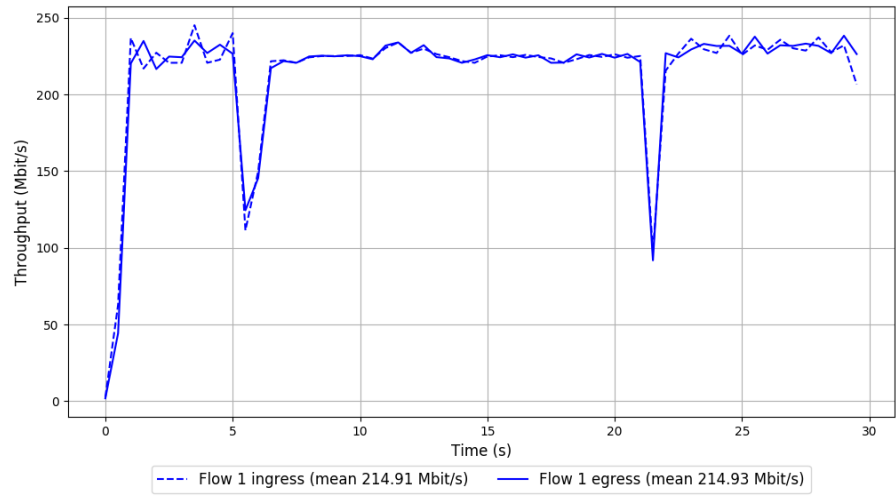
-- Flow 1:

Average throughput: 214.93 Mbit/s

95th percentile per-packet one-way delay: 56.758 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

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

End at: 2018-04-24 15:59:51

Below is generated by plot.py at 2018-04-24 17:28:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.88 Mbit/s

95th percentile per-packet one-way delay: 59.321 ms

Loss rate: 0.00%

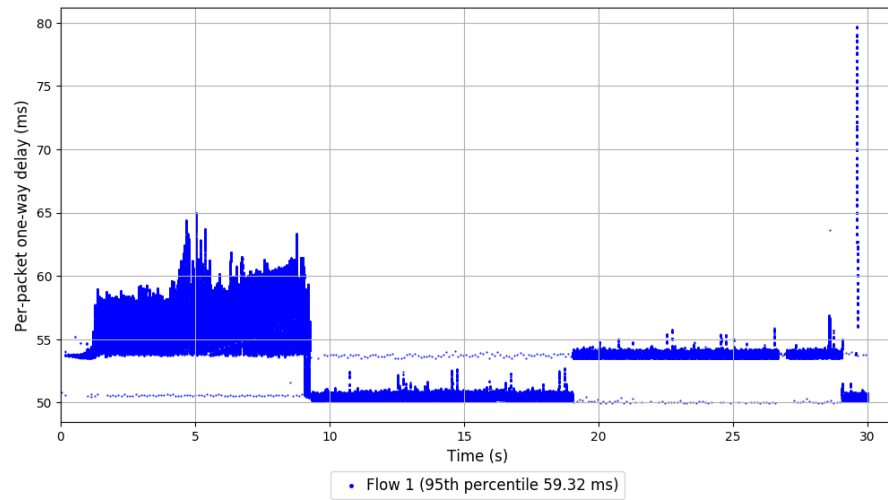
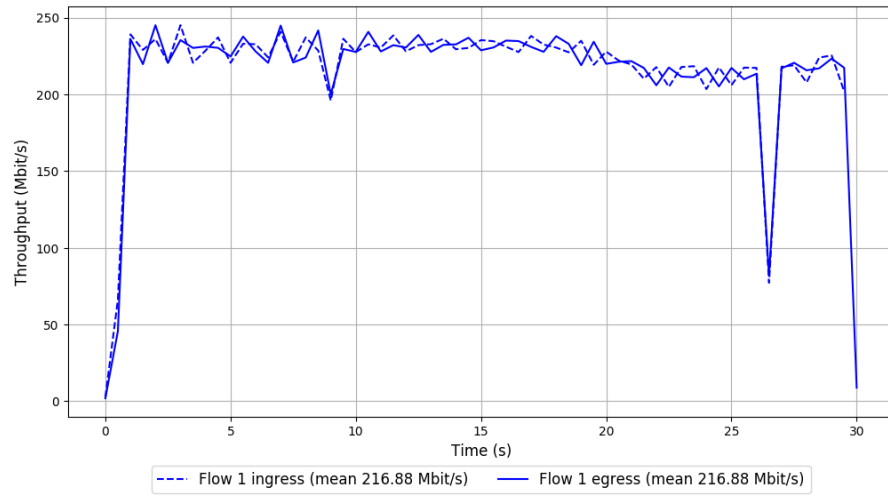
-- Flow 1:

Average throughput: 216.88 Mbit/s

95th percentile per-packet one-way delay: 59.321 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 14:06:41

End at: 2018-04-24 14:07:11

Below is generated by plot.py at 2018-04-24 17:29:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.17 Mbit/s

95th percentile per-packet one-way delay: 61.271 ms

Loss rate: 0.00%

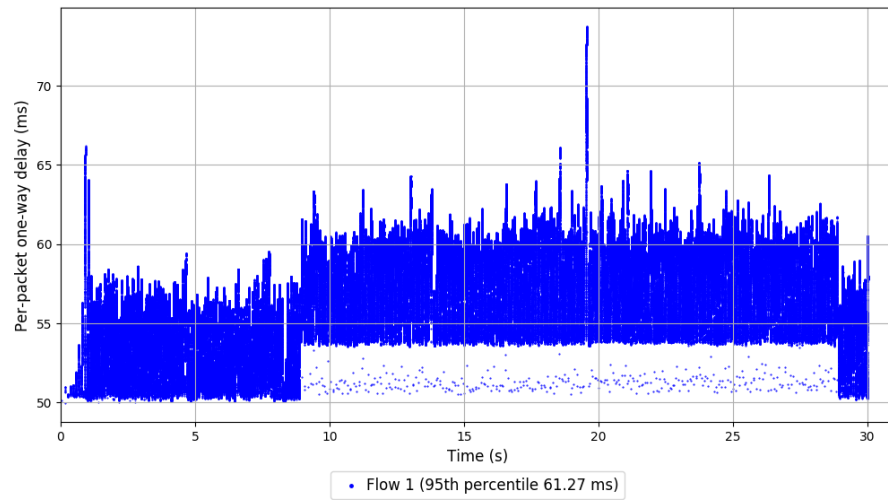
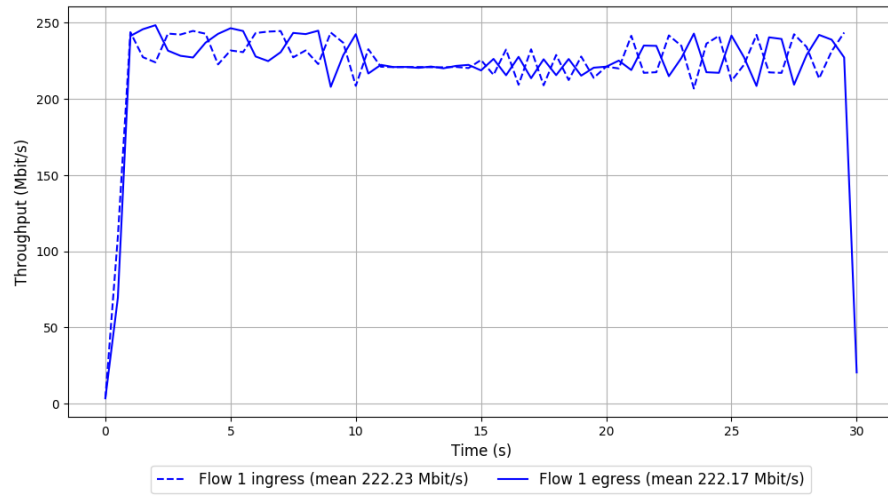
-- Flow 1:

Average throughput: 222.17 Mbit/s

95th percentile per-packet one-way delay: 61.271 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 14:19:37

End at: 2018-04-24 14:20:07

Below is generated by plot.py at 2018-04-24 17:29:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.46 Mbit/s

95th percentile per-packet one-way delay: 60.770 ms

Loss rate: 0.03%

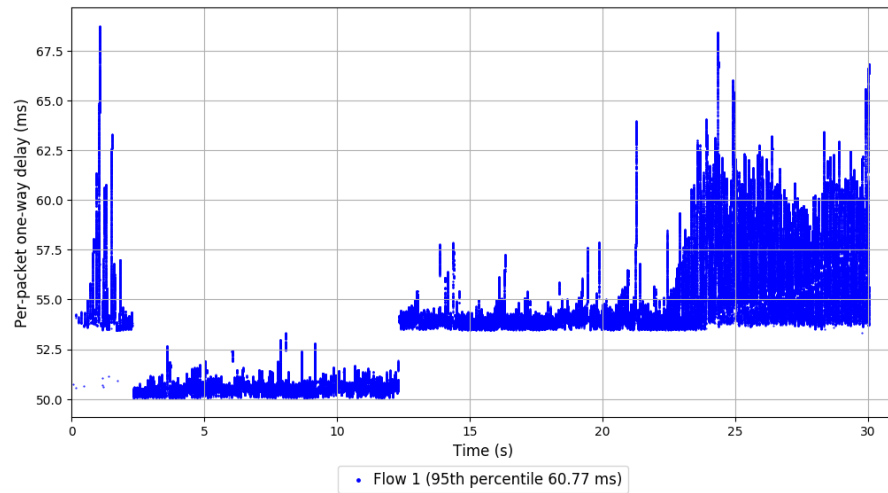
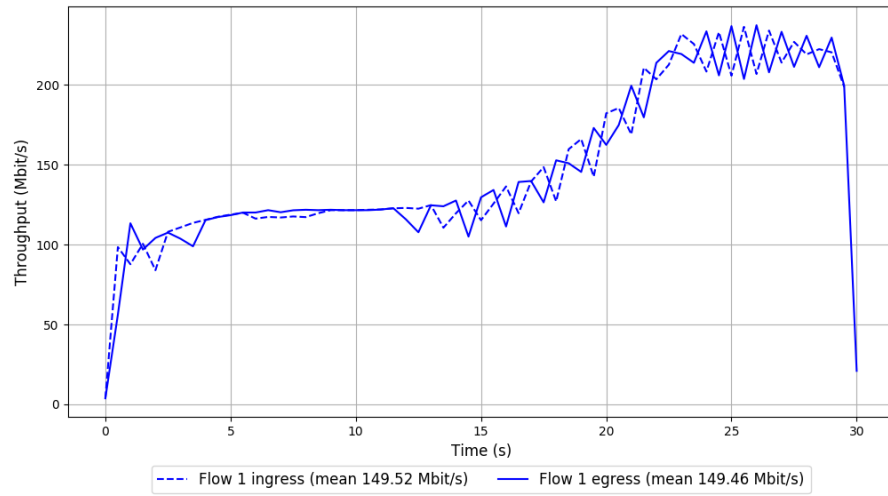
-- Flow 1:

Average throughput: 149.46 Mbit/s

95th percentile per-packet one-way delay: 60.770 ms

Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 14:32:41

End at: 2018-04-24 14:33:11

Below is generated by plot.py at 2018-04-24 17:29:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.74 Mbit/s

95th percentile per-packet one-way delay: 61.251 ms

Loss rate: 0.00%

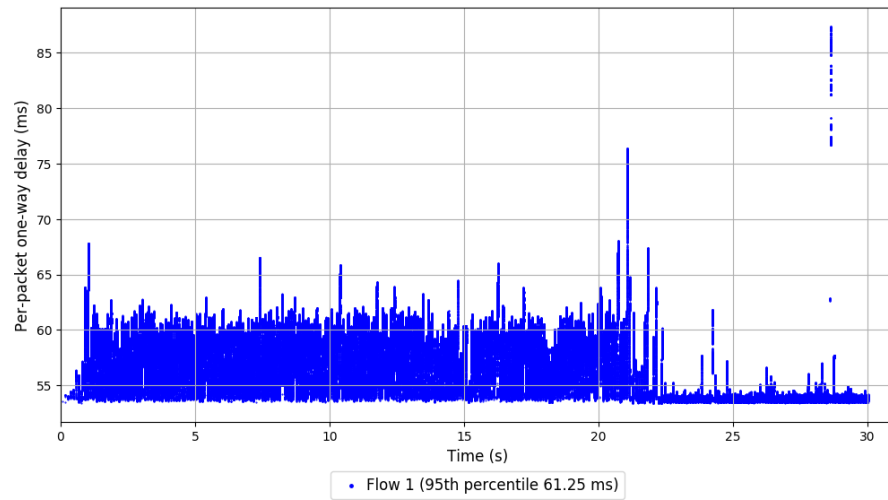
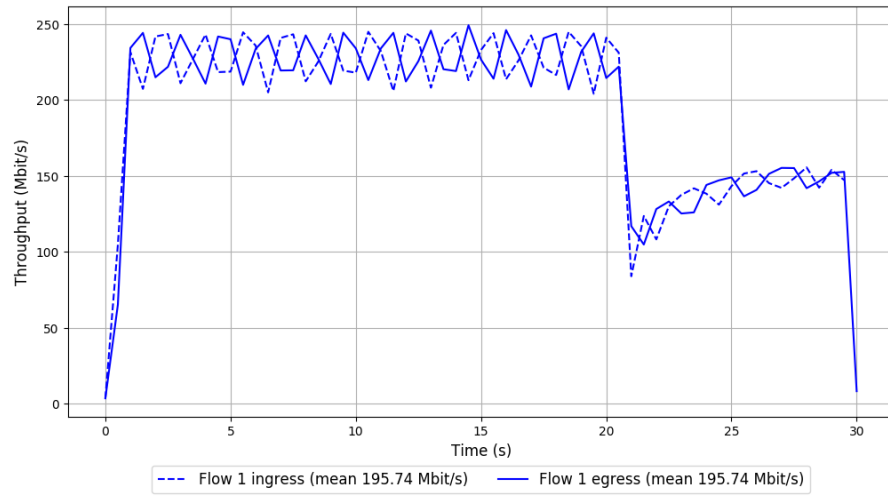
-- Flow 1:

Average throughput: 195.74 Mbit/s

95th percentile per-packet one-way delay: 61.251 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 14:45:28

End at: 2018-04-24 14:45:58

Below is generated by plot.py at 2018-04-24 17:29:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.58 Mbit/s

95th percentile per-packet one-way delay: 55.326 ms

Loss rate: 0.00%

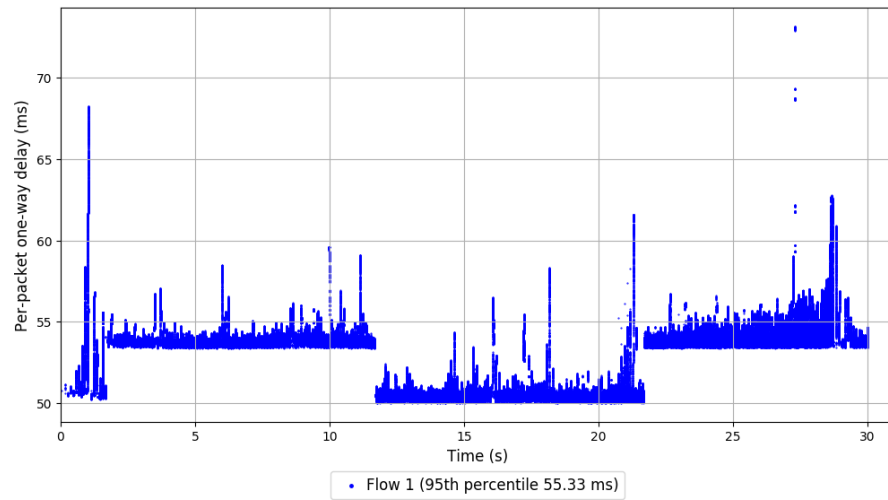
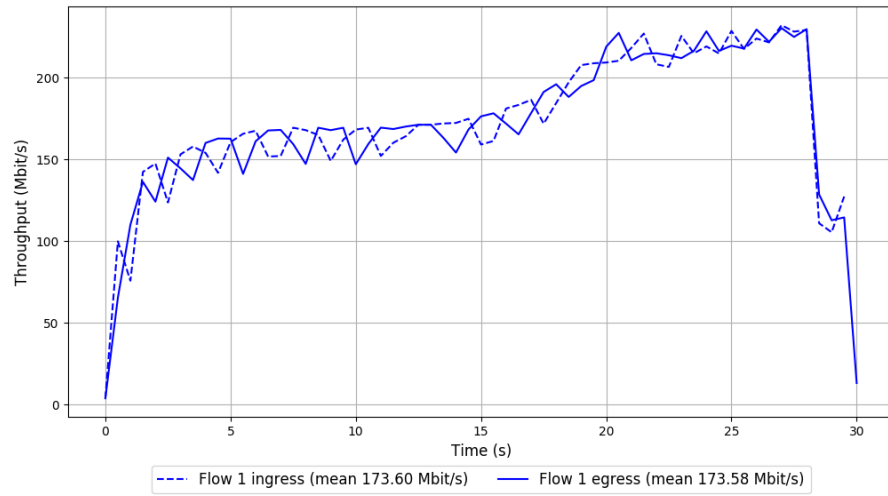
-- Flow 1:

Average throughput: 173.58 Mbit/s

95th percentile per-packet one-way delay: 55.326 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 14:58:47

End at: 2018-04-24 14:59:17

Below is generated by plot.py at 2018-04-24 17:29:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.18 Mbit/s

95th percentile per-packet one-way delay: 61.222 ms

Loss rate: 0.00%

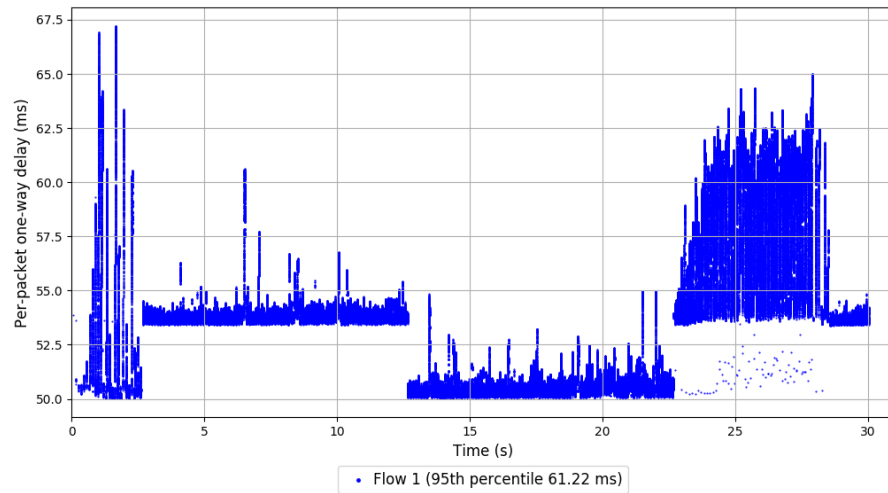
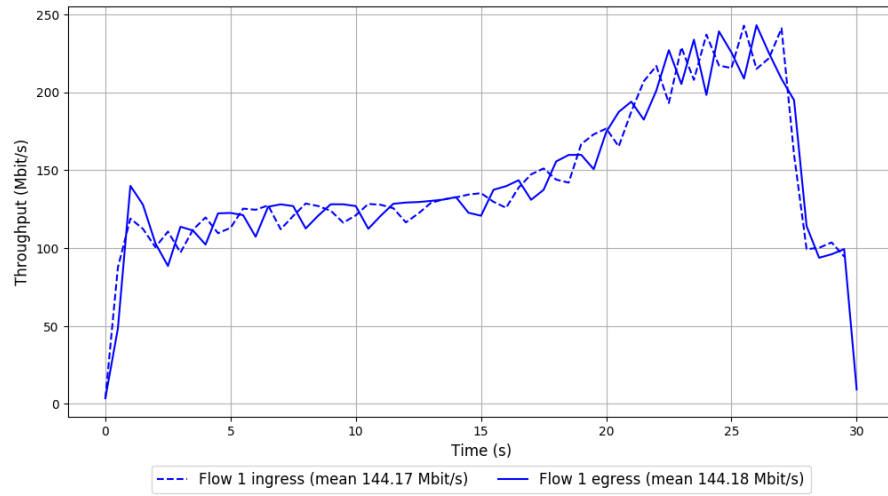
-- Flow 1:

Average throughput: 144.18 Mbit/s

95th percentile per-packet one-way delay: 61.222 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 15:11:57

End at: 2018-04-24 15:12:27

Below is generated by plot.py at 2018-04-24 17:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.23 Mbit/s

95th percentile per-packet one-way delay: 59.687 ms

Loss rate: 0.03%

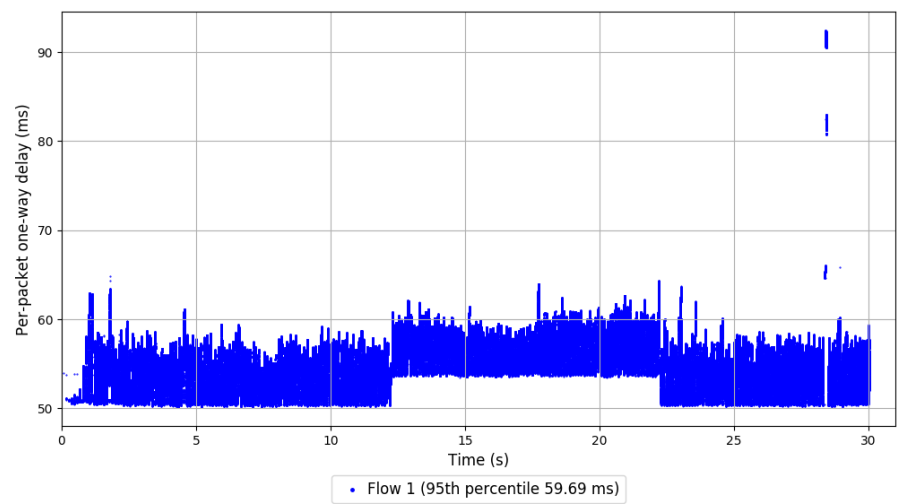
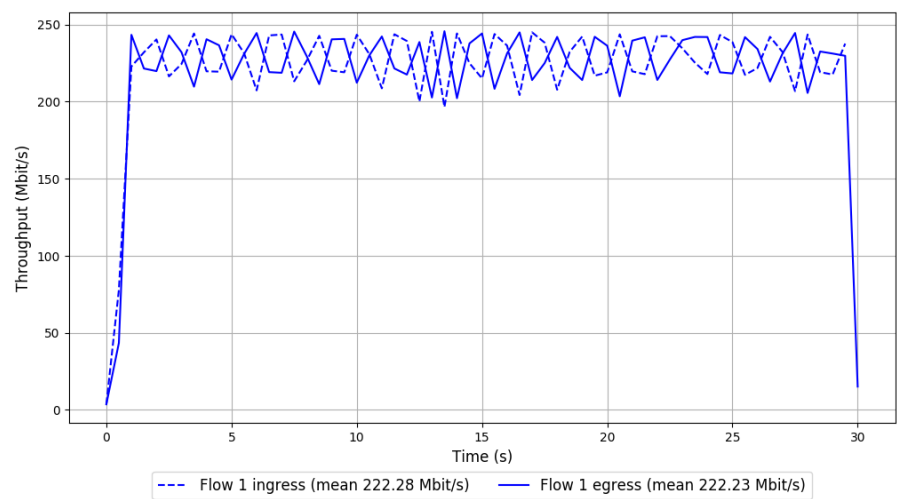
-- Flow 1:

Average throughput: 222.23 Mbit/s

95th percentile per-packet one-way delay: 59.687 ms

Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 15:24:48

End at: 2018-04-24 15:25:18

Below is generated by plot.py at 2018-04-24 17:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.43 Mbit/s

95th percentile per-packet one-way delay: 61.079 ms

Loss rate: 0.00%

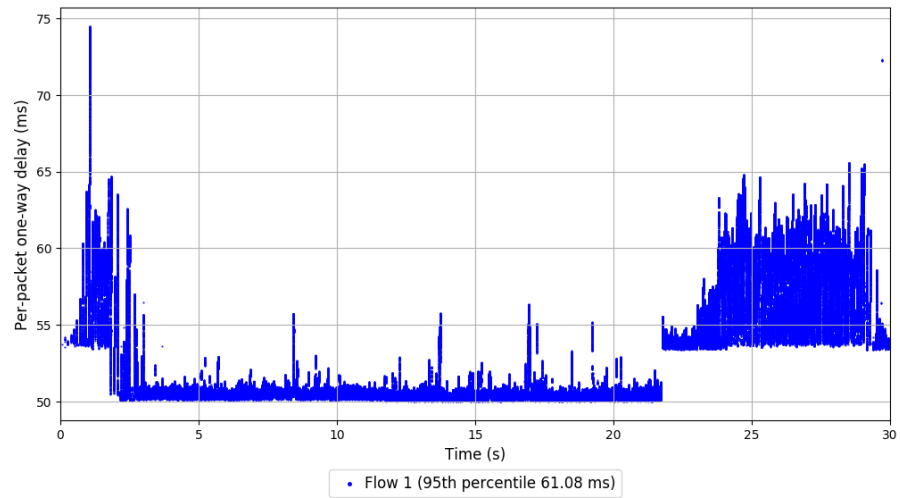
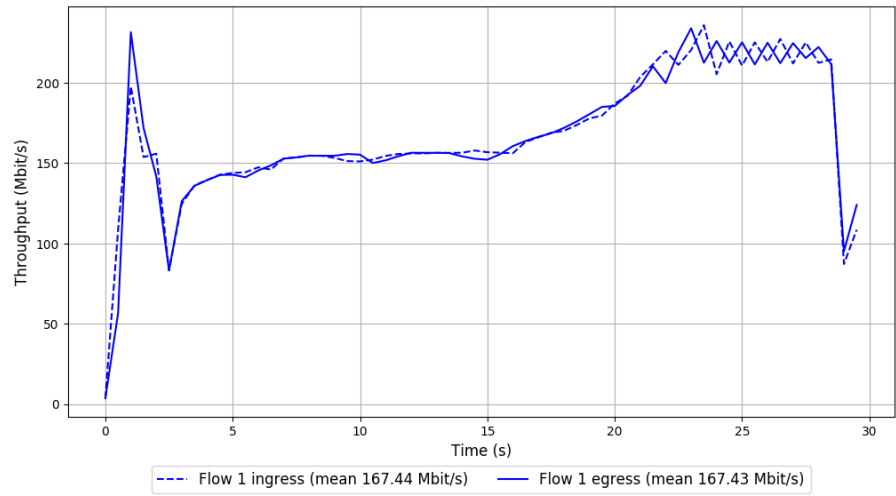
-- Flow 1:

Average throughput: 167.43 Mbit/s

95th percentile per-packet one-way delay: 61.079 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 15:37:57

End at: 2018-04-24 15:38:27

Below is generated by plot.py at 2018-04-24 17:30:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.11 Mbit/s

95th percentile per-packet one-way delay: 56.525 ms

Loss rate: 0.00%

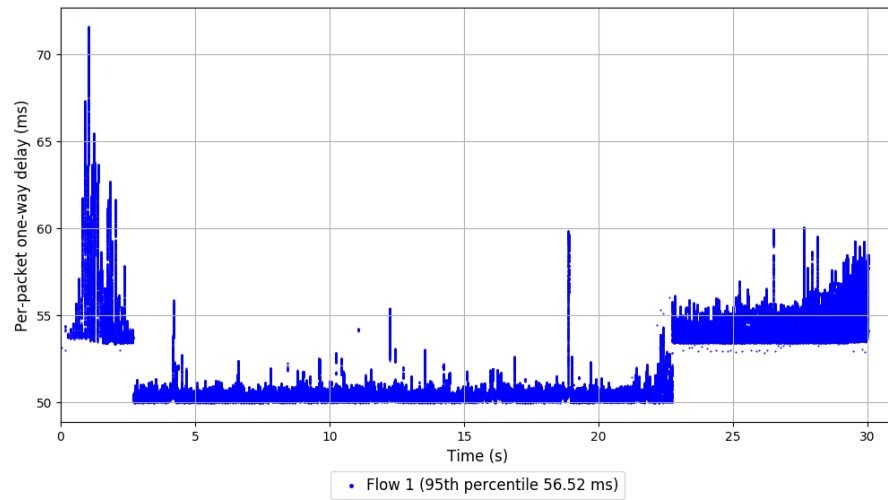
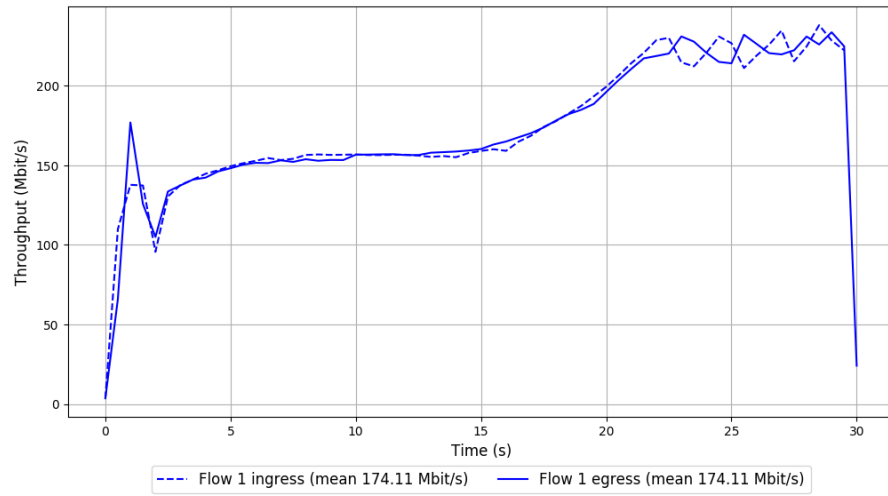
-- Flow 1:

Average throughput: 174.11 Mbit/s

95th percentile per-packet one-way delay: 56.525 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 15:50:47

End at: 2018-04-24 15:51:17

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.44 Mbit/s

95th percentile per-packet one-way delay: 58.016 ms

Loss rate: 0.00%

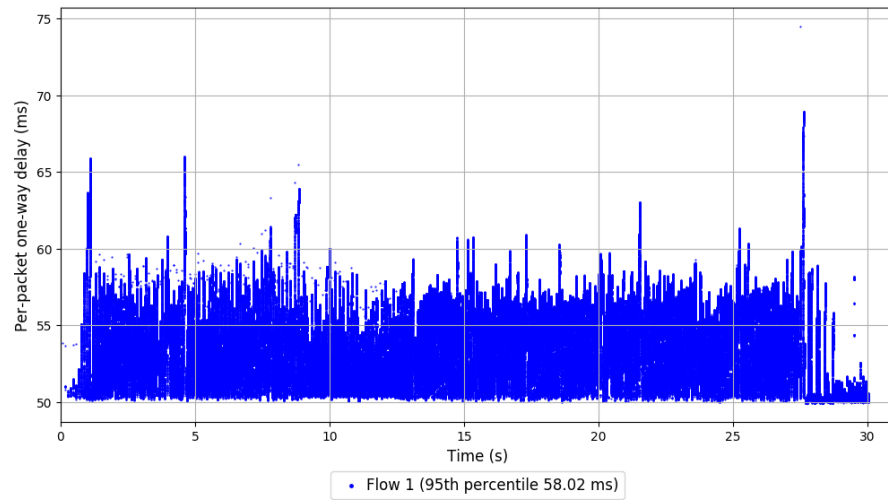
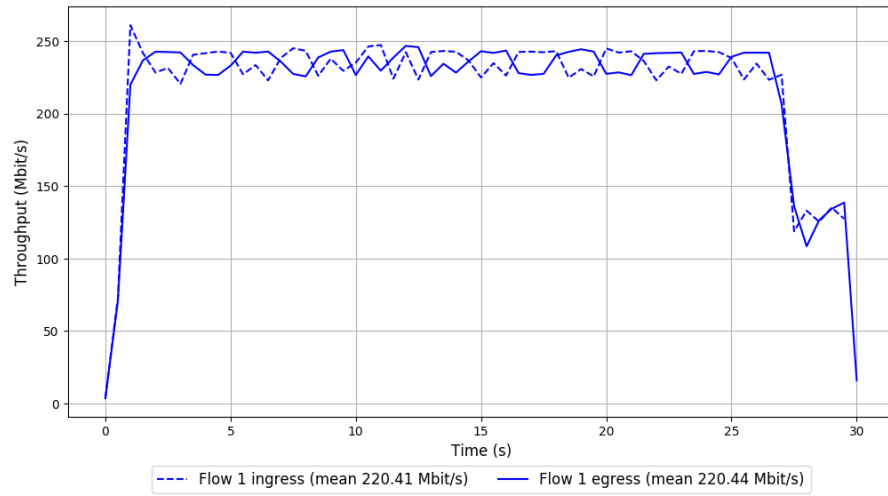
-- Flow 1:

Average throughput: 220.44 Mbit/s

95th percentile per-packet one-way delay: 58.016 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 16:03:38

End at: 2018-04-24 16:04:08

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.00 Mbit/s

95th percentile per-packet one-way delay: 56.763 ms

Loss rate: 0.00%

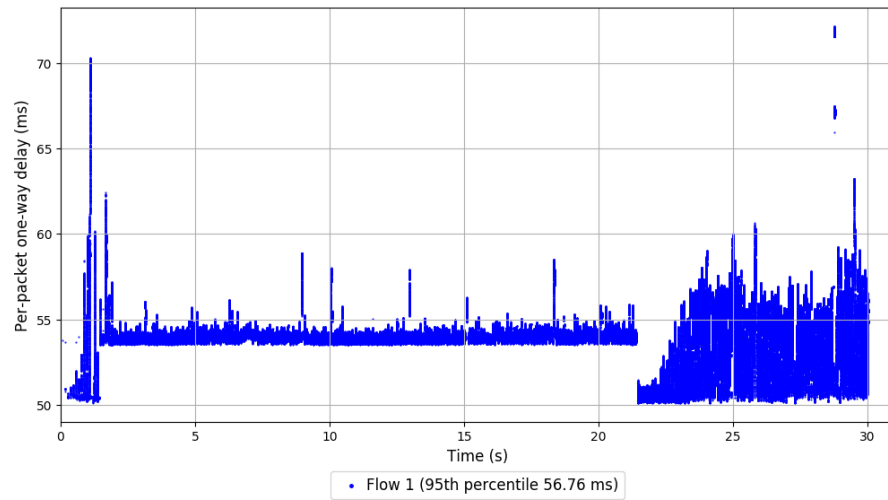
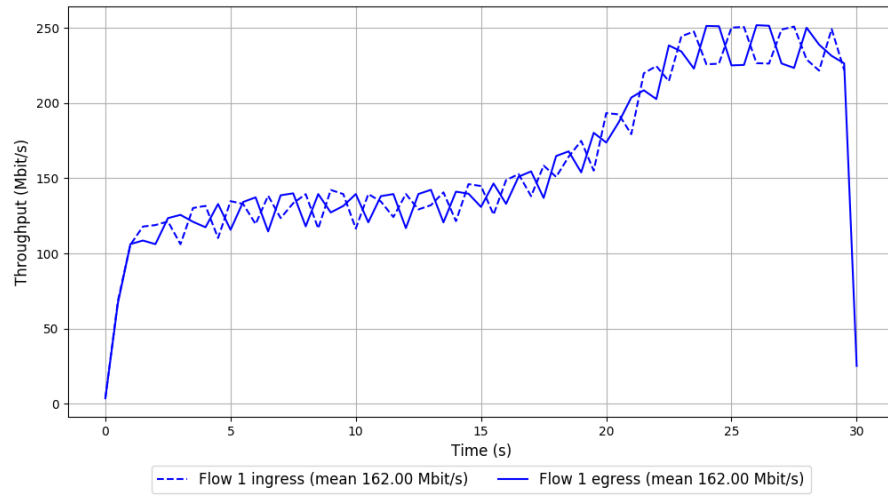
-- Flow 1:

Average throughput: 162.00 Mbit/s

95th percentile per-packet one-way delay: 56.763 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

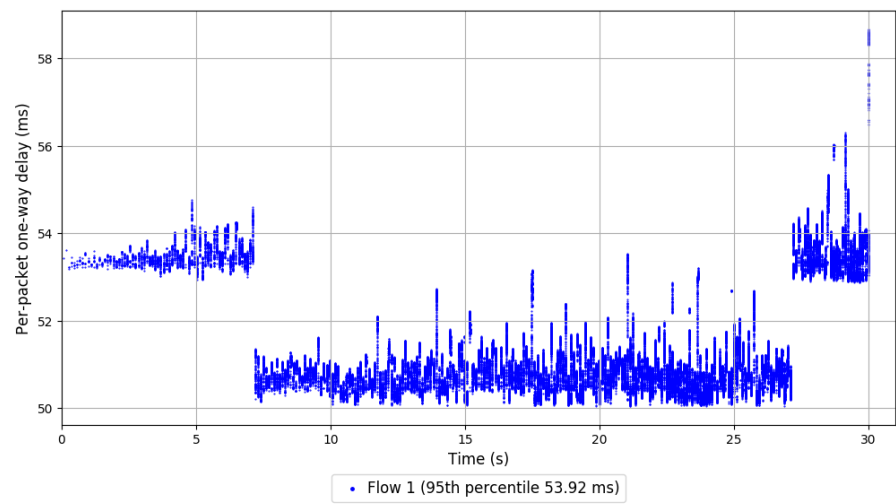
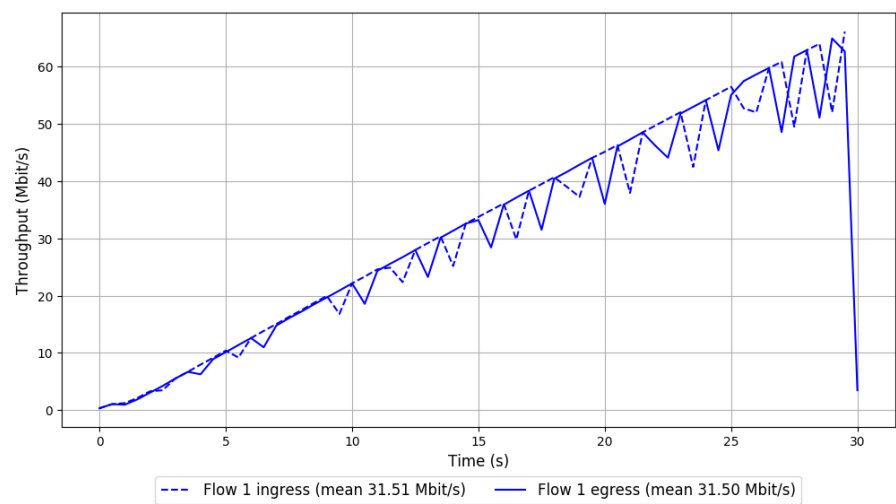


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 13:59:32
End at: 2018-04-24 14:00:02

# Below is generated by plot.py at 2018-04-24 17:31:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 53.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 53.917 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-04-24 14:12:41

End at: 2018-04-24 14:13:11

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 54.615 ms

Loss rate: 0.01%

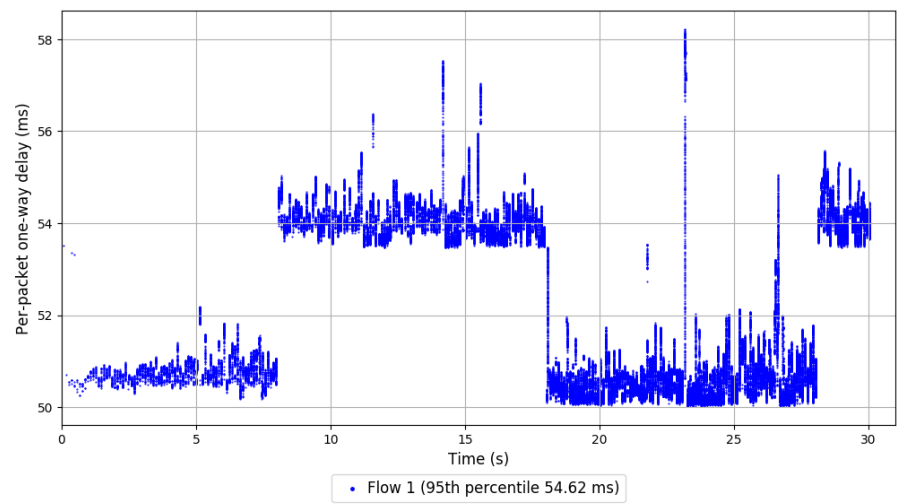
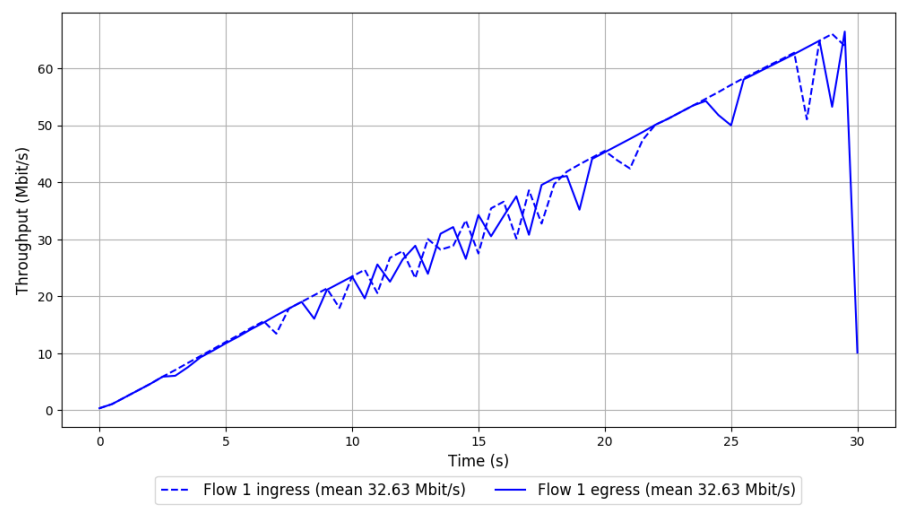
-- Flow 1:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 54.615 ms

Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 14:25:30

End at: 2018-04-24 14:26:00

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.10 Mbit/s

95th percentile per-packet one-way delay: 54.573 ms

Loss rate: 0.00%

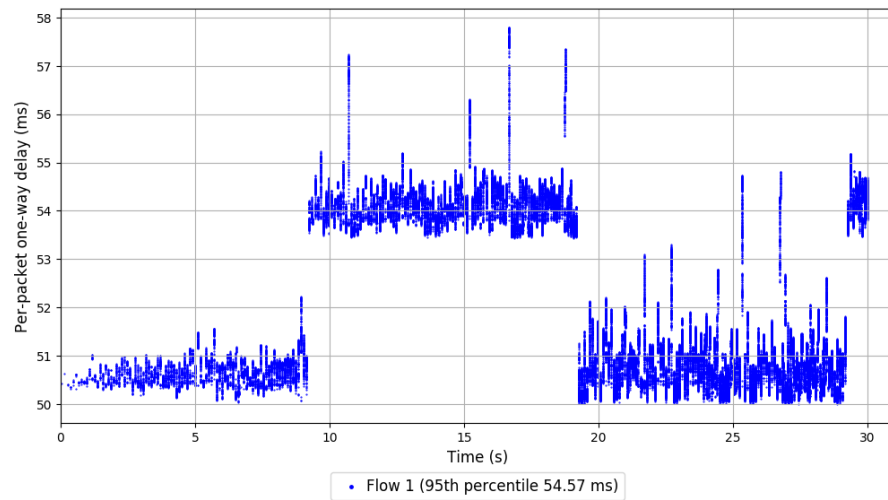
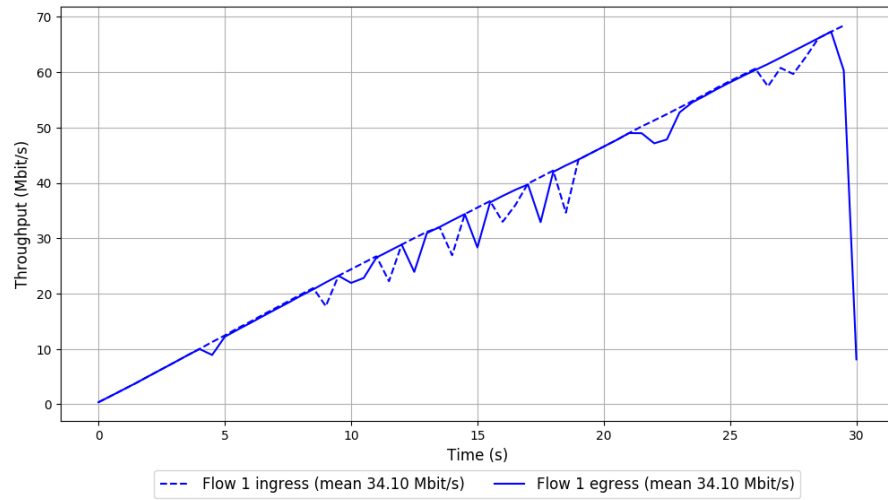
-- Flow 1:

Average throughput: 34.10 Mbit/s

95th percentile per-packet one-way delay: 54.573 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 14:38:37

End at: 2018-04-24 14:39:07

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 54.653 ms

Loss rate: 0.00%

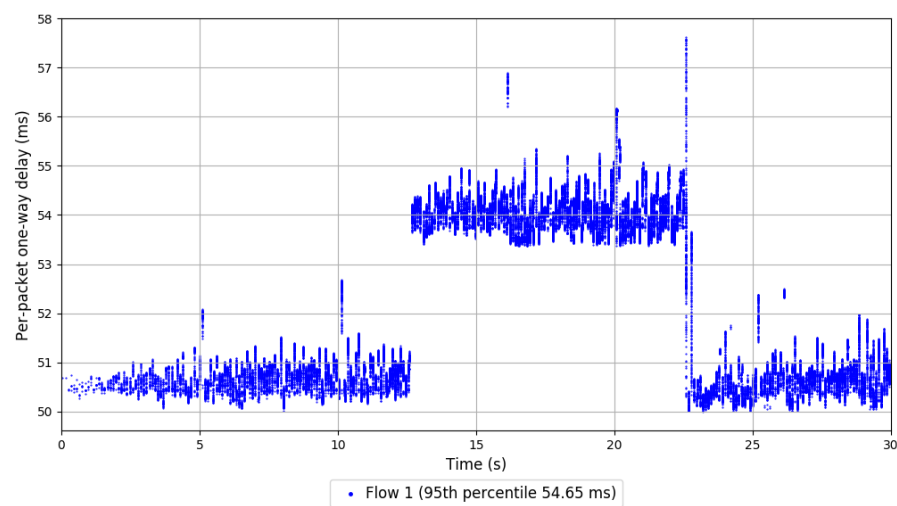
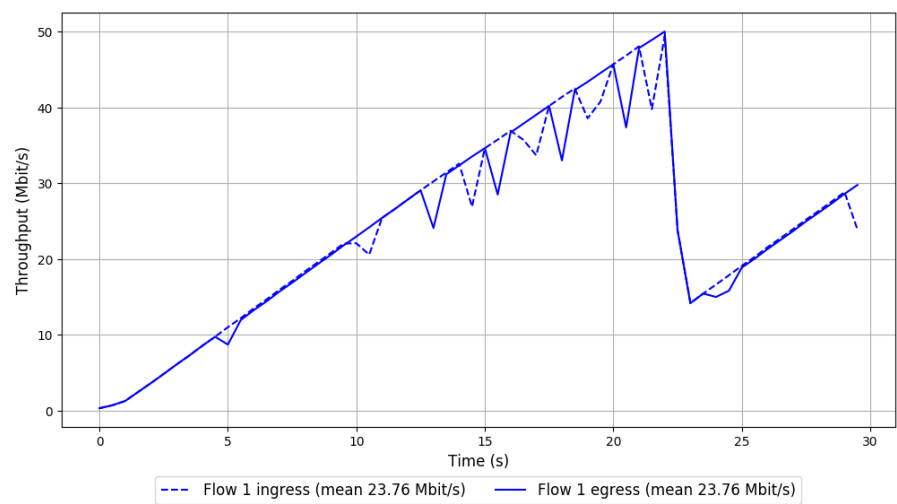
-- Flow 1:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 54.653 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 14:51:44

End at: 2018-04-24 14:52:14

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 52.094 ms

Loss rate: 0.00%

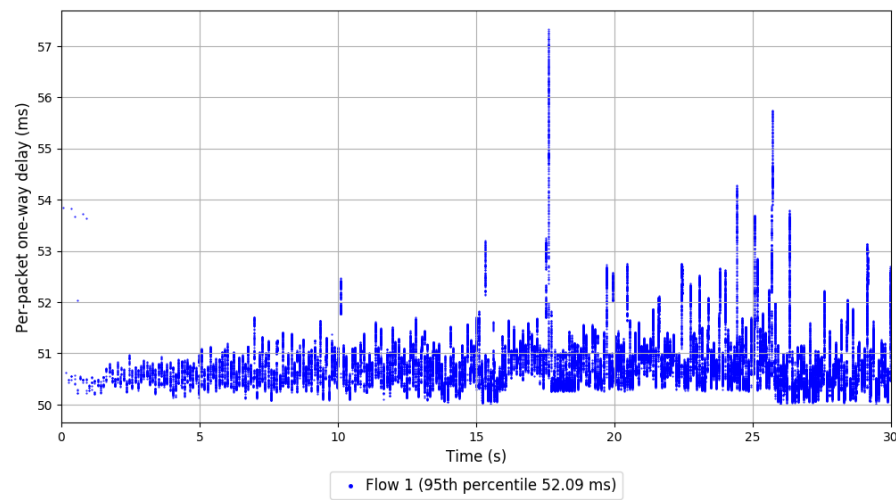
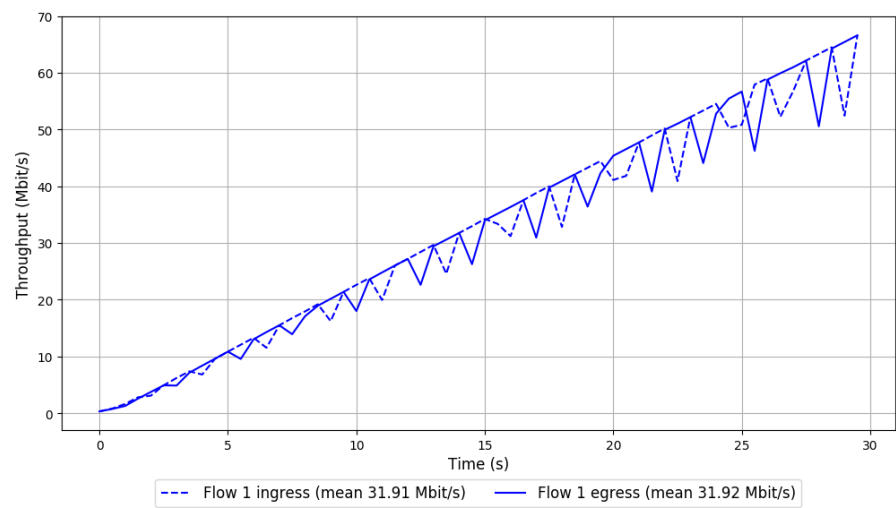
-- Flow 1:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 52.094 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 15:04:44

End at: 2018-04-24 15:05:14

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 54.826 ms

Loss rate: 0.00%

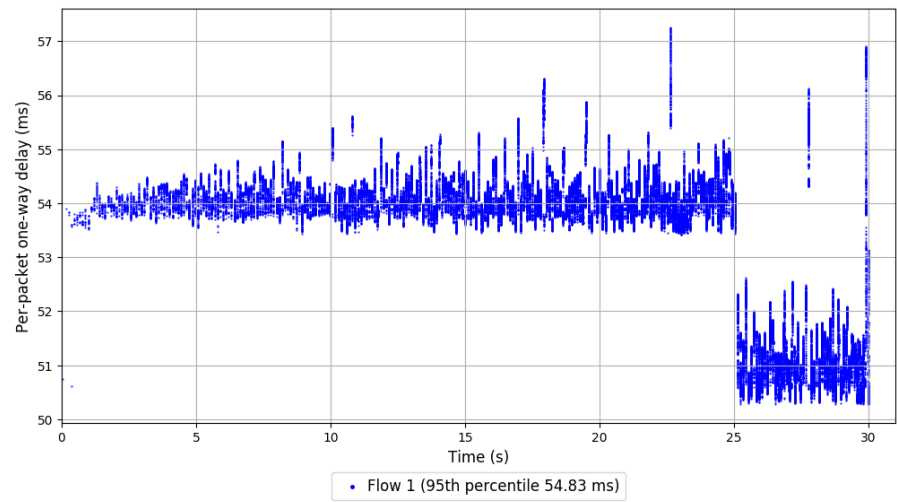
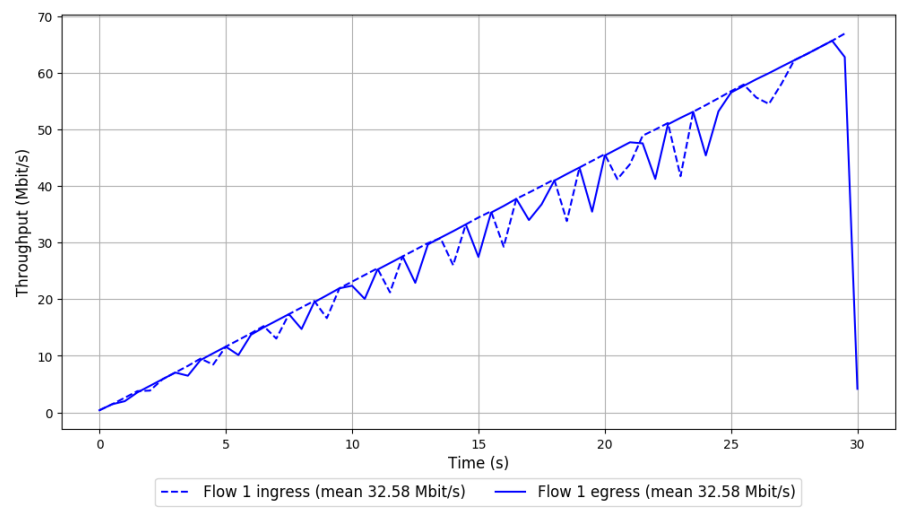
-- Flow 1:

Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 54.826 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 15:17:54

End at: 2018-04-24 15:18:24

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.61 Mbit/s

95th percentile per-packet one-way delay: 54.424 ms

Loss rate: 0.00%

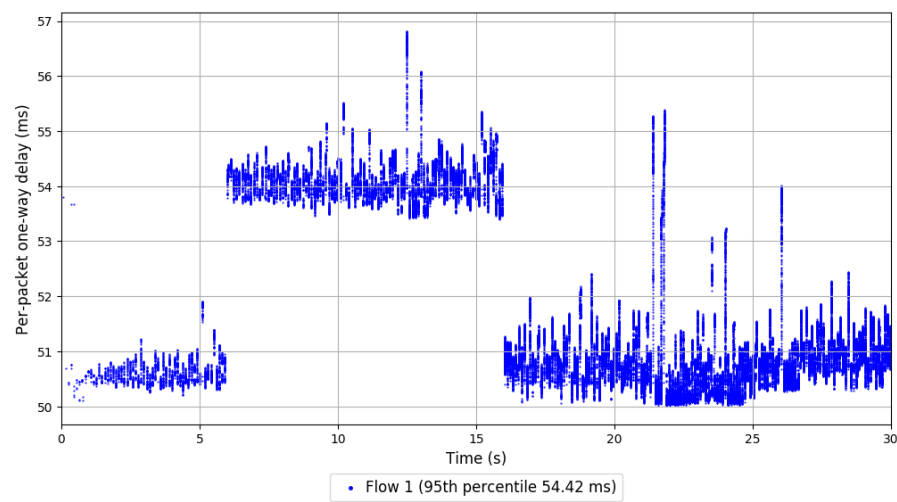
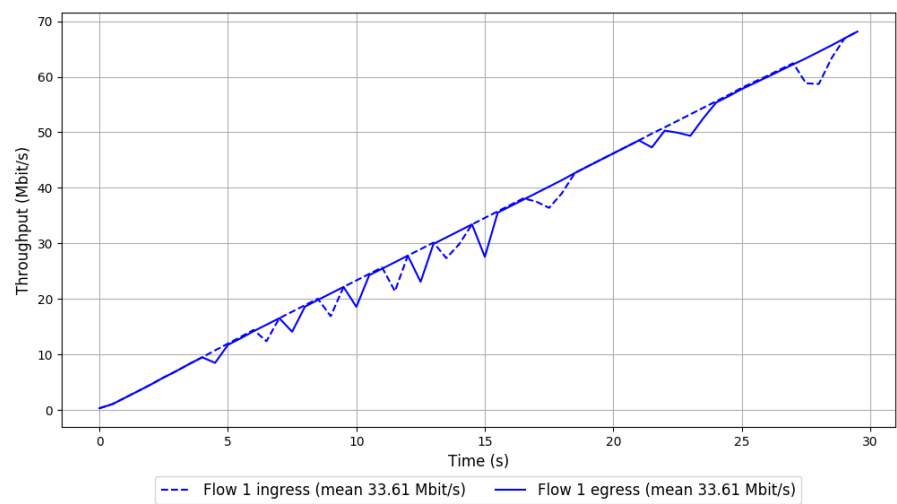
-- Flow 1:

Average throughput: 33.61 Mbit/s

95th percentile per-packet one-way delay: 54.424 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 15:30:40

End at: 2018-04-24 15:31:10

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 54.631 ms

Loss rate: 0.00%

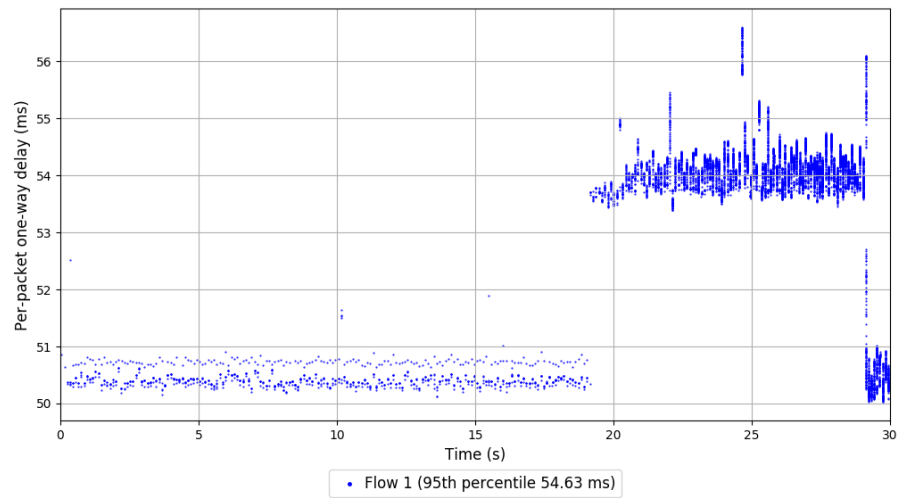
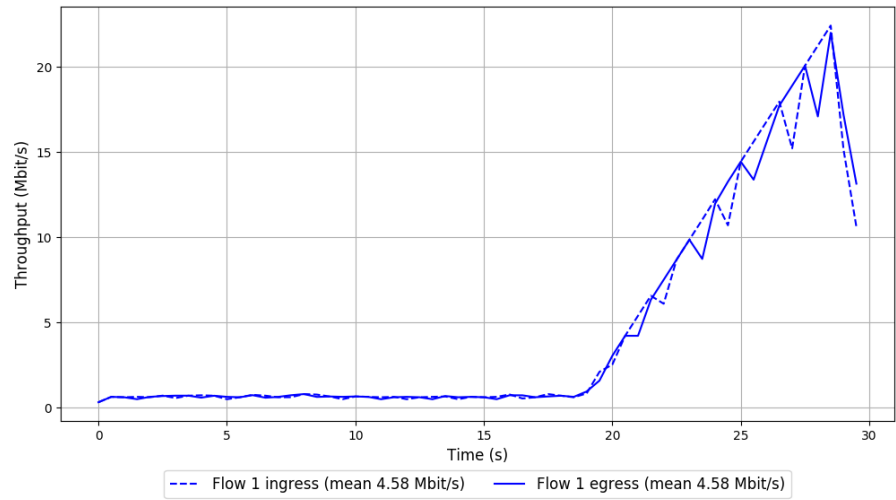
-- Flow 1:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 54.631 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 15:43:46

End at: 2018-04-24 15:44:16

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.75 Mbit/s

95th percentile per-packet one-way delay: 54.937 ms

Loss rate: 0.00%

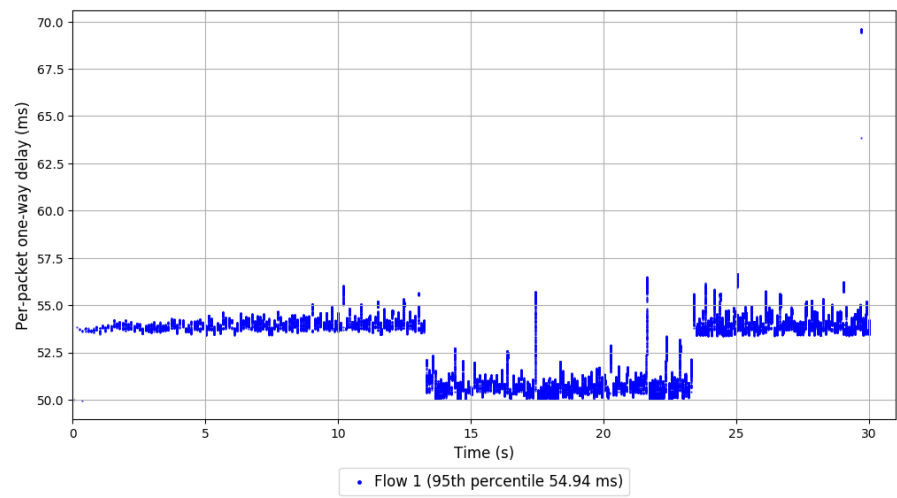
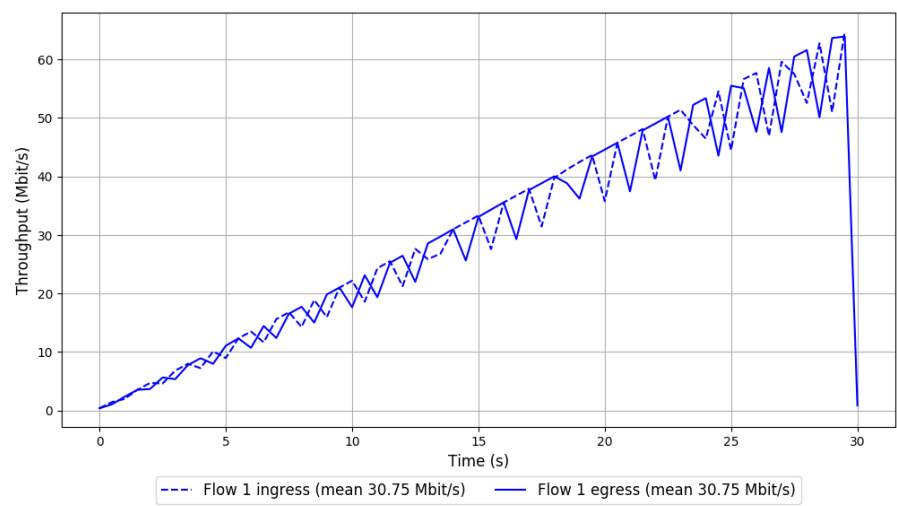
-- Flow 1:

Average throughput: 30.75 Mbit/s

95th percentile per-packet one-way delay: 54.937 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 15:56:41

End at: 2018-04-24 15:57:11

Below is generated by plot.py at 2018-04-24 17:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 54.563 ms

Loss rate: 0.00%

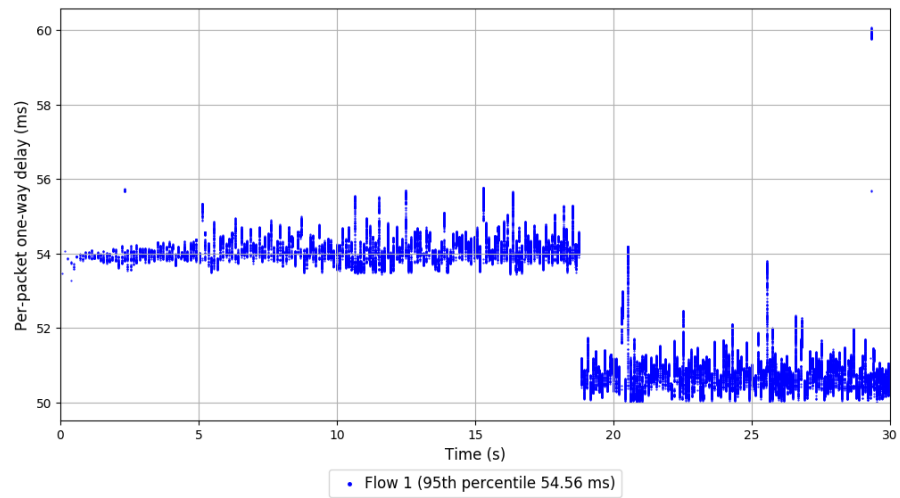
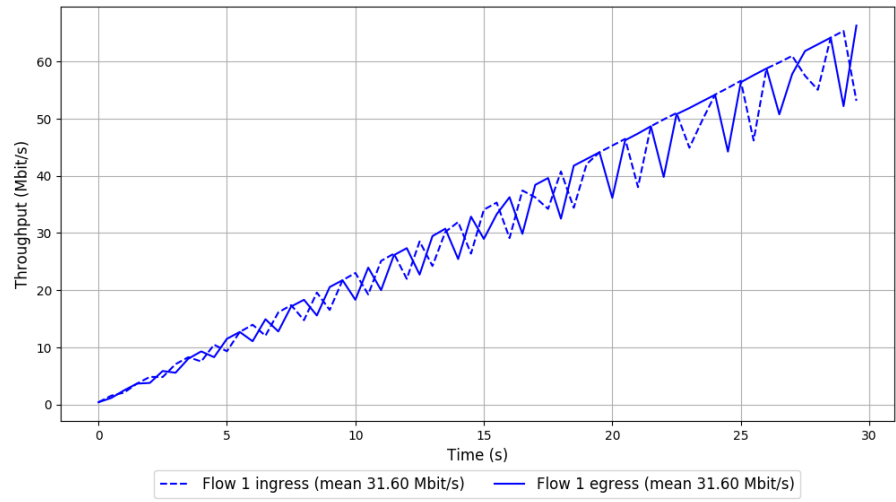
-- Flow 1:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 54.563 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

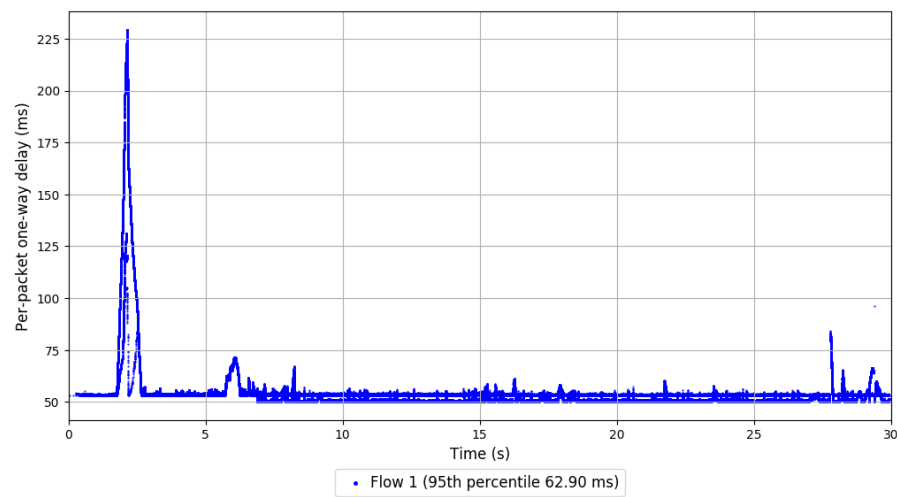
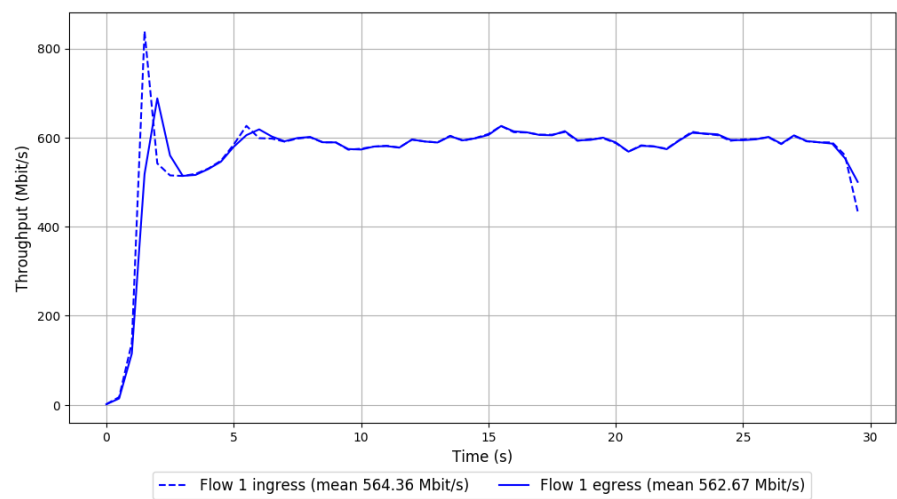


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 14:04:53
End at: 2018-04-24 14:05:23

# Below is generated by plot.py at 2018-04-24 17:39:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 562.67 Mbit/s
95th percentile per-packet one-way delay: 62.902 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 562.67 Mbit/s
95th percentile per-packet one-way delay: 62.902 ms
Loss rate: 0.31%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 14:17:49

End at: 2018-04-24 14:18:19

Below is generated by plot.py at 2018-04-24 17:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.65 Mbit/s

95th percentile per-packet one-way delay: 179.919 ms

Loss rate: 2.22%

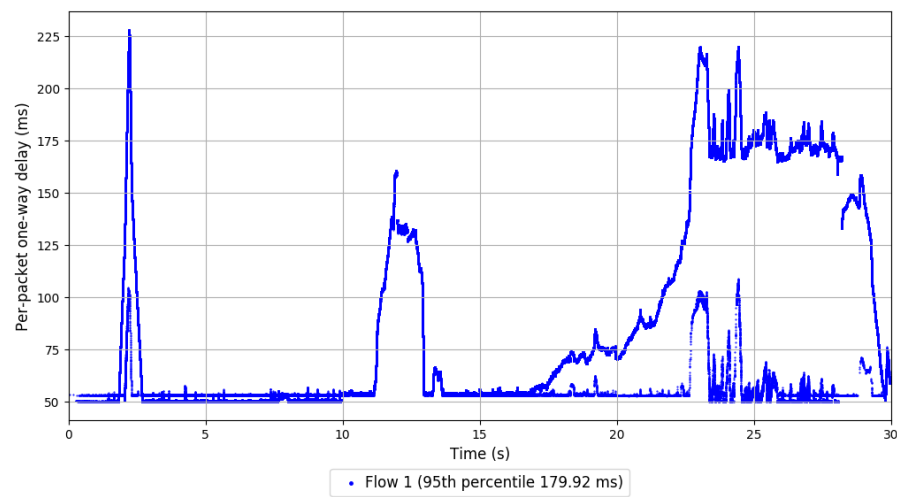
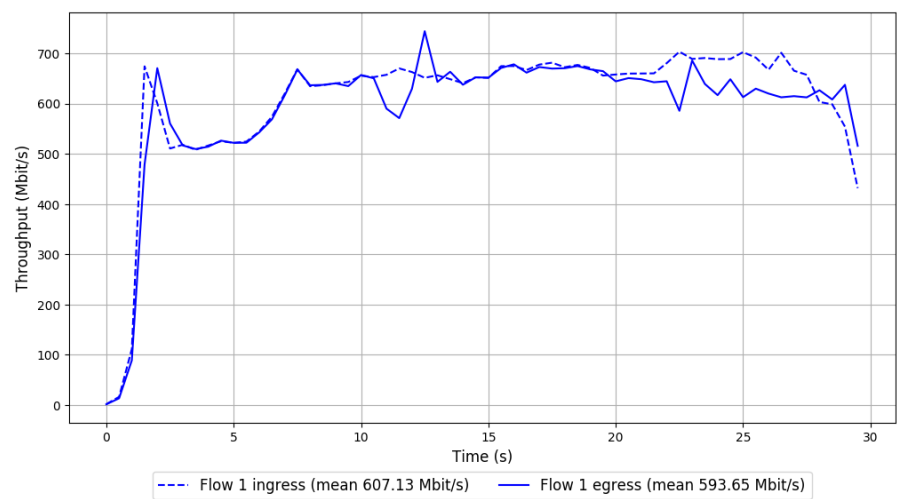
-- Flow 1:

Average throughput: 593.65 Mbit/s

95th percentile per-packet one-way delay: 179.919 ms

Loss rate: 2.22%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 14:30:59

End at: 2018-04-24 14:31:29

Below is generated by plot.py at 2018-04-24 17:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 450.04 Mbit/s

95th percentile per-packet one-way delay: 53.937 ms

Loss rate: 0.15%

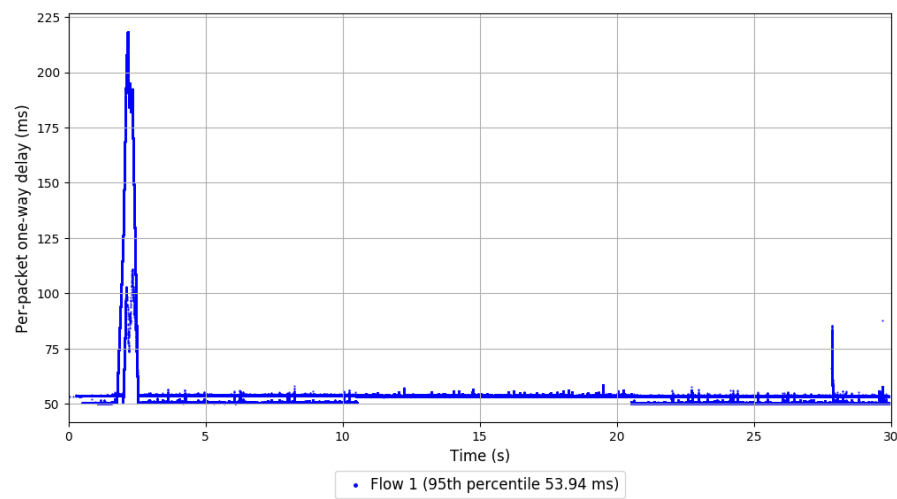
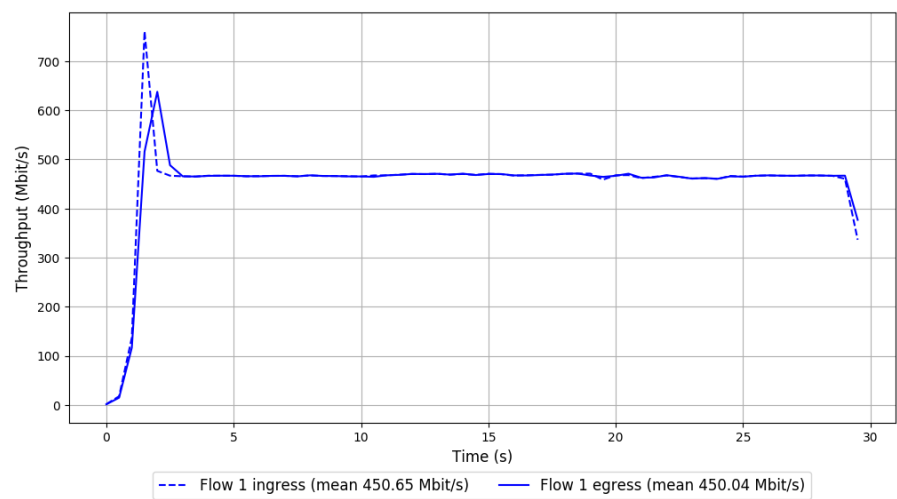
-- Flow 1:

Average throughput: 450.04 Mbit/s

95th percentile per-packet one-way delay: 53.937 ms

Loss rate: 0.15%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 14:43:43

End at: 2018-04-24 14:44:13

Below is generated by plot.py at 2018-04-24 17:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 547.89 Mbit/s

95th percentile per-packet one-way delay: 88.256 ms

Loss rate: 0.12%

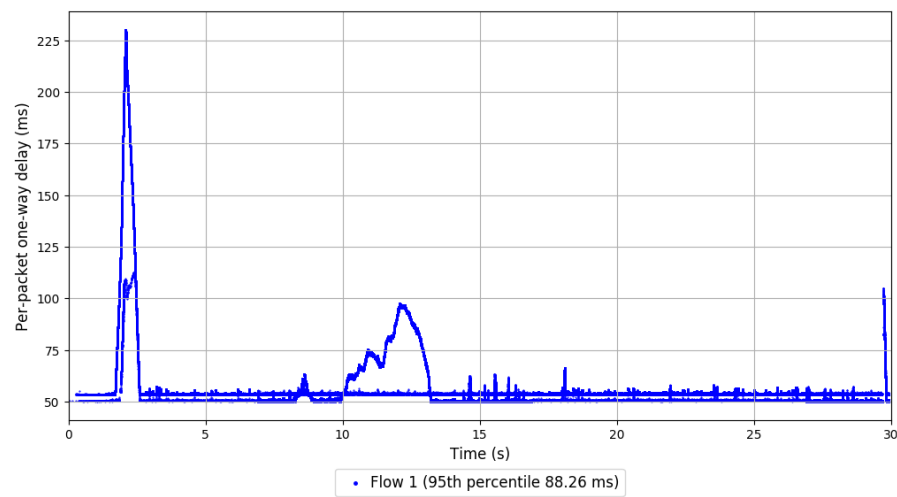
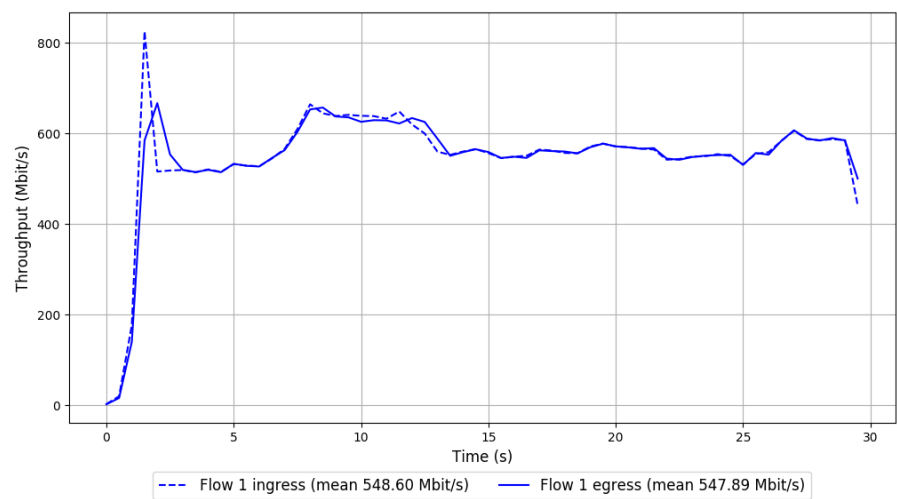
-- Flow 1:

Average throughput: 547.89 Mbit/s

95th percentile per-packet one-way delay: 88.256 ms

Loss rate: 0.12%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 14:56:58

End at: 2018-04-24 14:57:28

Below is generated by plot.py at 2018-04-24 17:40:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.13 Mbit/s

95th percentile per-packet one-way delay: 168.760 ms

Loss rate: 1.19%

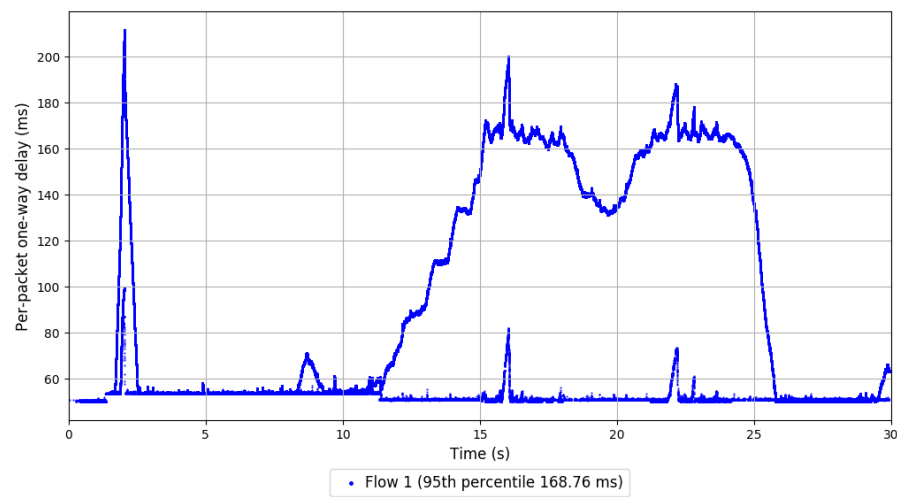
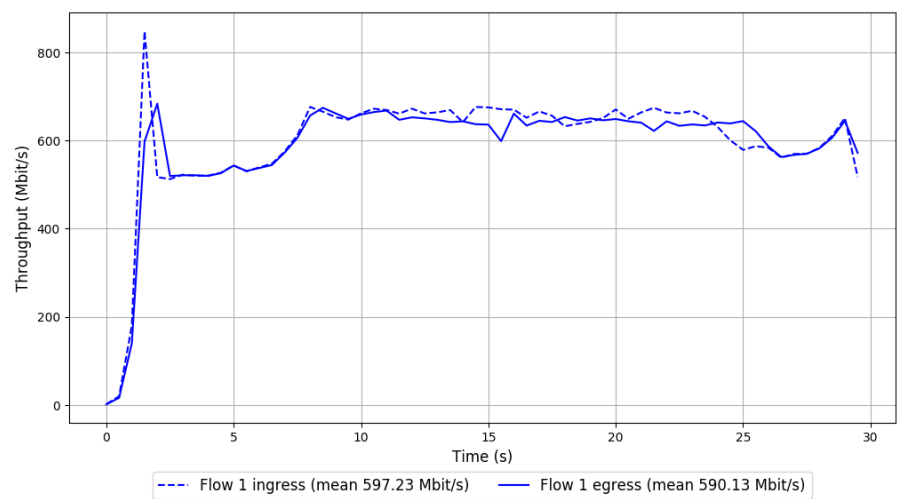
-- Flow 1:

Average throughput: 590.13 Mbit/s

95th percentile per-packet one-way delay: 168.760 ms

Loss rate: 1.19%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 15:10:10

End at: 2018-04-24 15:10:40

Below is generated by plot.py at 2018-04-24 17:40:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 491.17 Mbit/s

95th percentile per-packet one-way delay: 51.855 ms

Loss rate: 0.24%

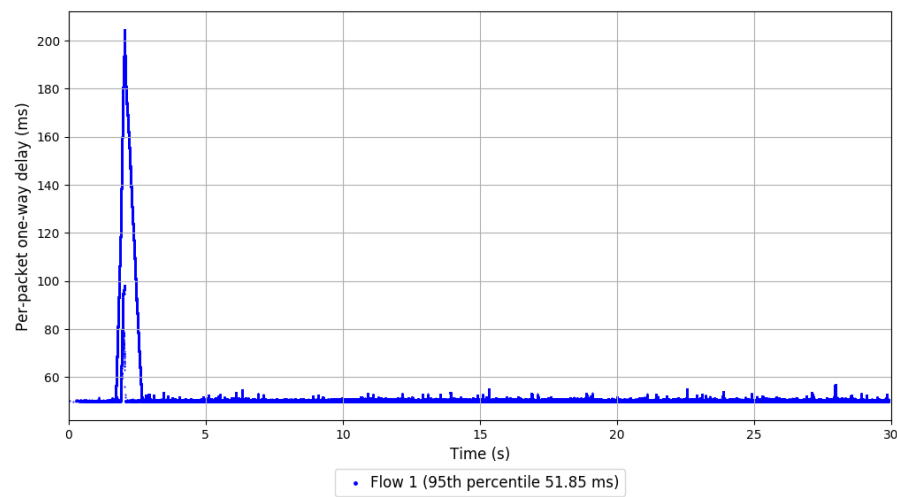
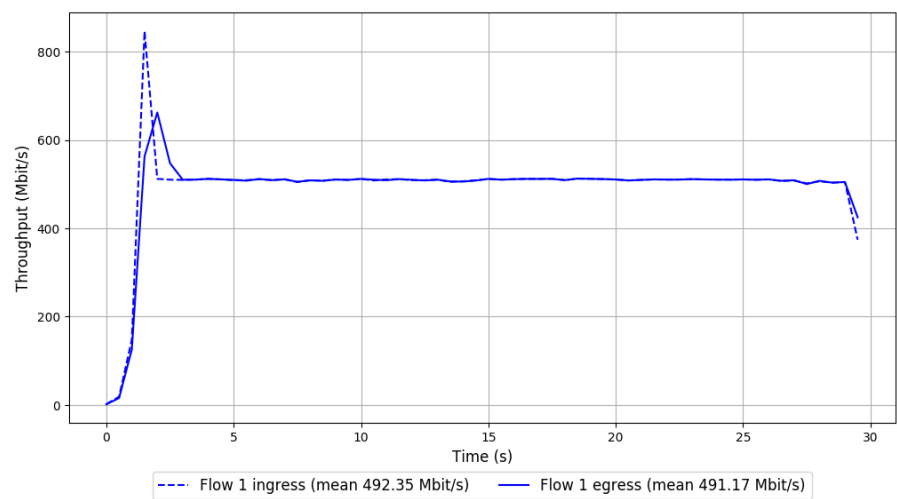
-- Flow 1:

Average throughput: 491.17 Mbit/s

95th percentile per-packet one-way delay: 51.855 ms

Loss rate: 0.24%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 15:23:02

End at: 2018-04-24 15:23:32

Below is generated by plot.py at 2018-04-24 17:40:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.79 Mbit/s

95th percentile per-packet one-way delay: 55.072 ms

Loss rate: 0.10%

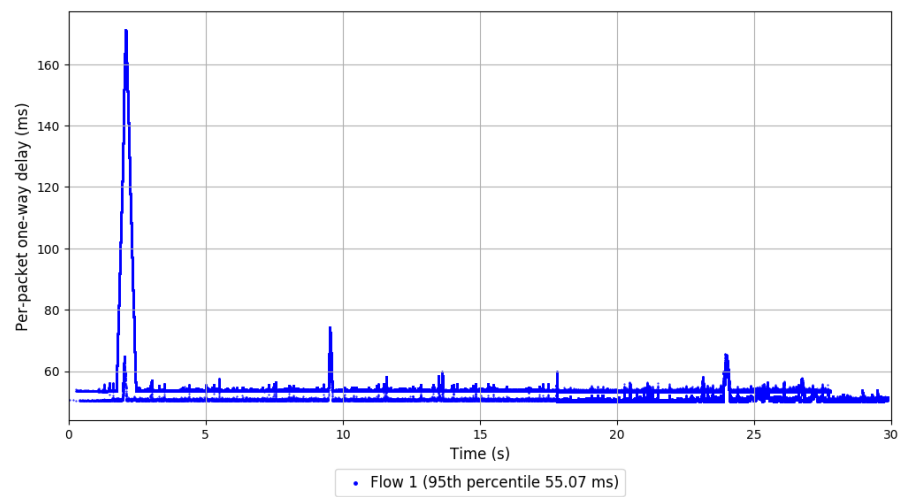
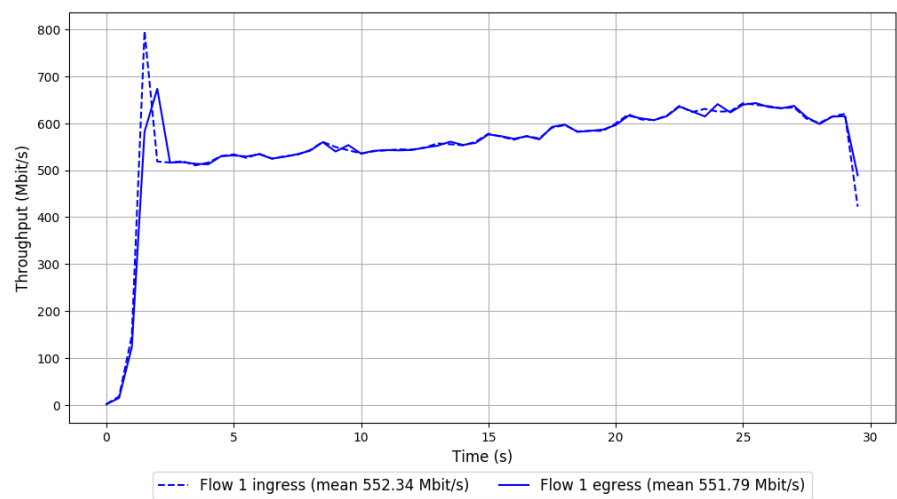
-- Flow 1:

Average throughput: 551.79 Mbit/s

95th percentile per-packet one-way delay: 55.072 ms

Loss rate: 0.10%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 15:36:06

End at: 2018-04-24 15:36:36

Below is generated by plot.py at 2018-04-24 17:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 581.68 Mbit/s

95th percentile per-packet one-way delay: 185.582 ms

Loss rate: 2.83%

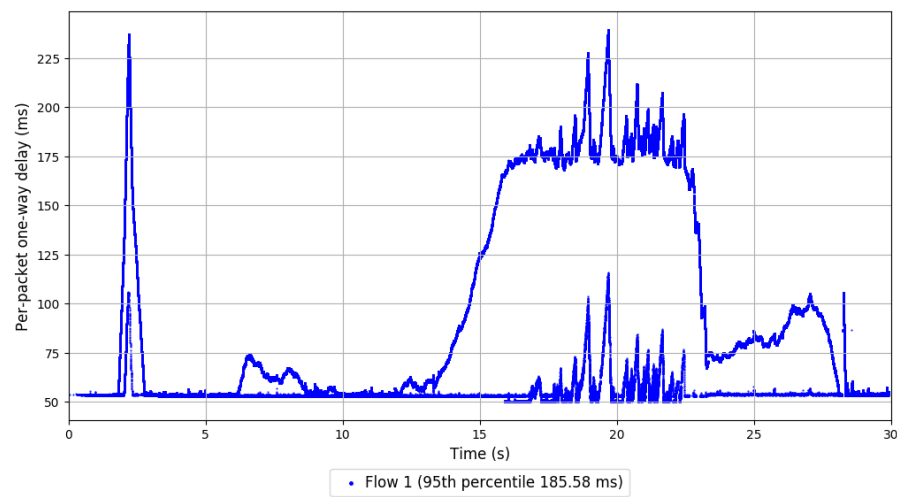
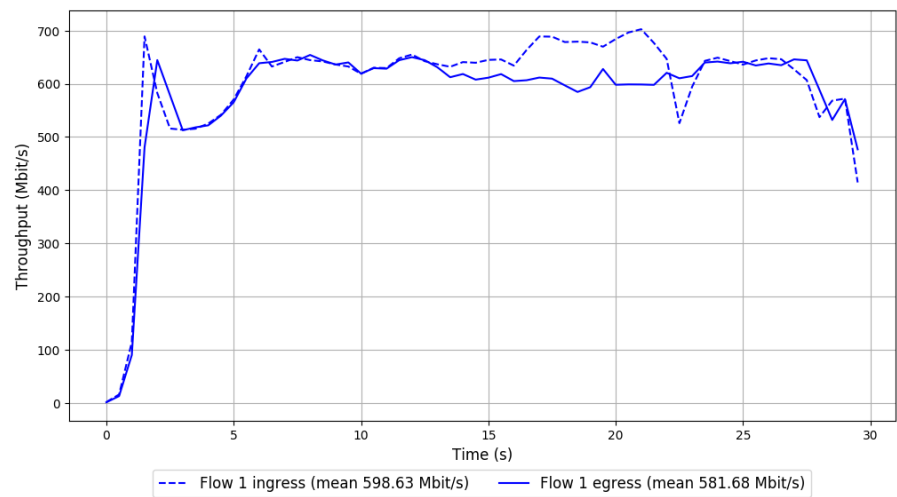
-- Flow 1:

Average throughput: 581.68 Mbit/s

95th percentile per-packet one-way delay: 185.582 ms

Loss rate: 2.83%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 15:48:57

End at: 2018-04-24 15:49:27

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 597.69 Mbit/s

95th percentile per-packet one-way delay: 67.672 ms

Loss rate: 0.07%

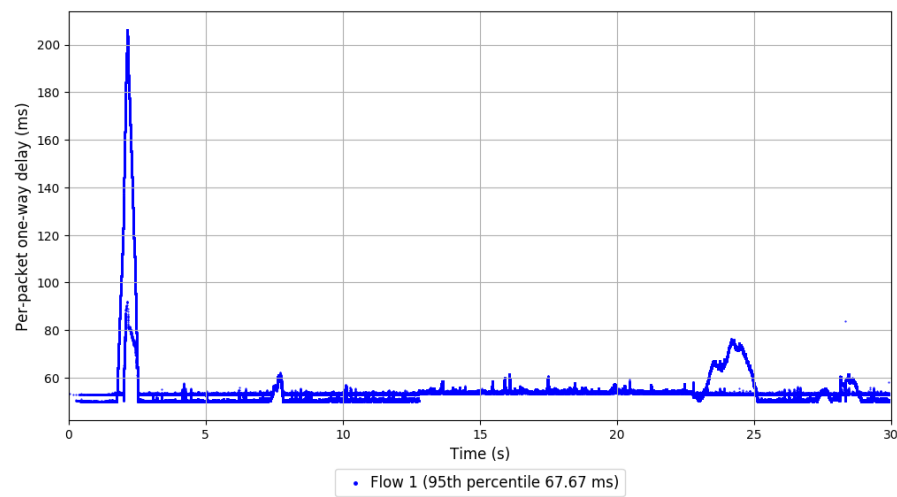
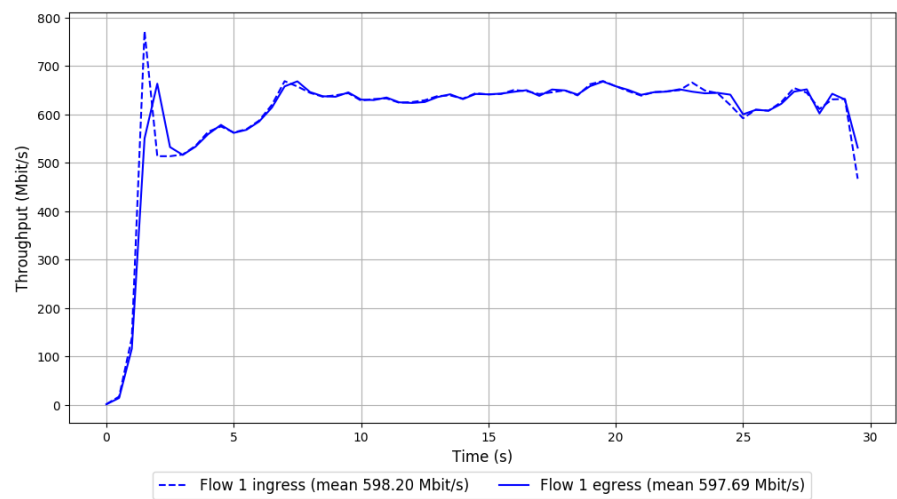
-- Flow 1:

Average throughput: 597.69 Mbit/s

95th percentile per-packet one-way delay: 67.672 ms

Loss rate: 0.07%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 16:01:50

End at: 2018-04-24 16:02:20

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.71 Mbit/s

95th percentile per-packet one-way delay: 55.487 ms

Loss rate: 0.13%

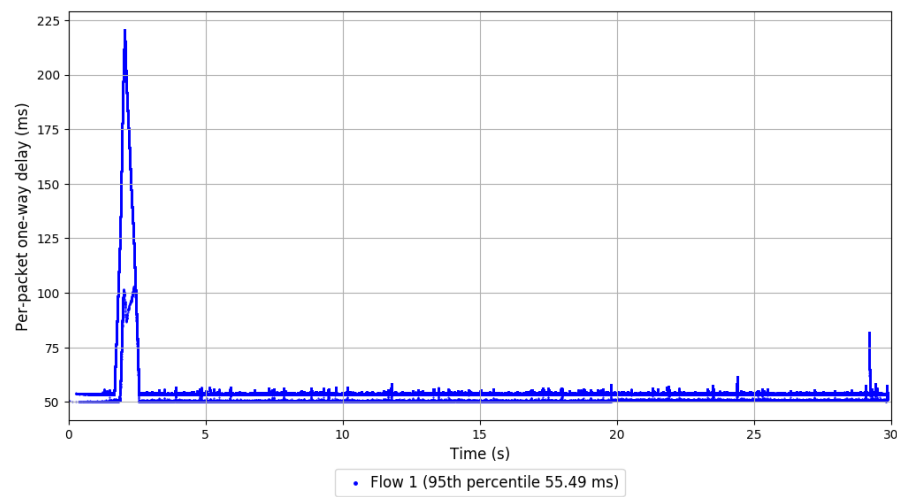
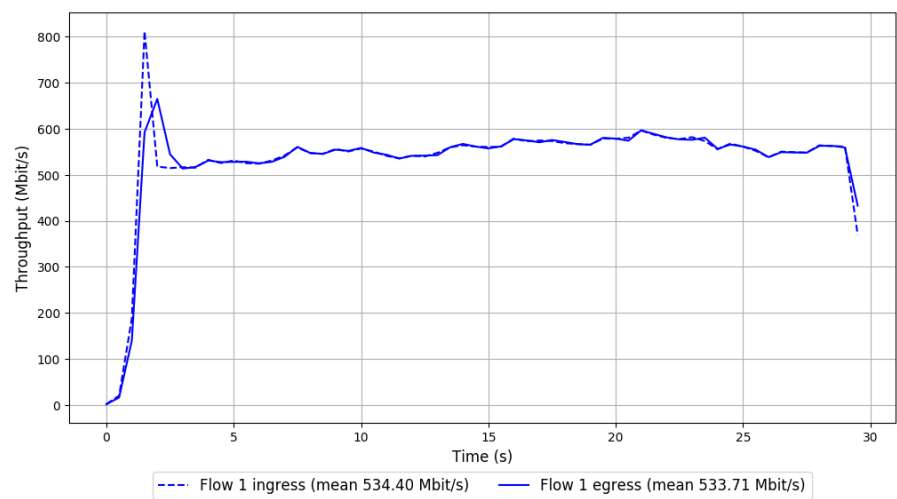
-- Flow 1:

Average throughput: 533.71 Mbit/s

95th percentile per-packet one-way delay: 55.487 ms

Loss rate: 0.13%

Run 10: Report of PCC-Allegro — Data Link

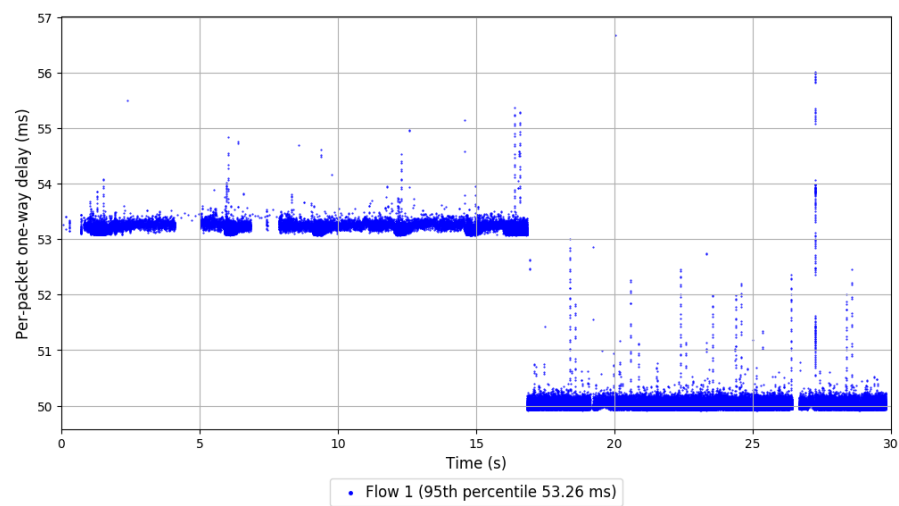
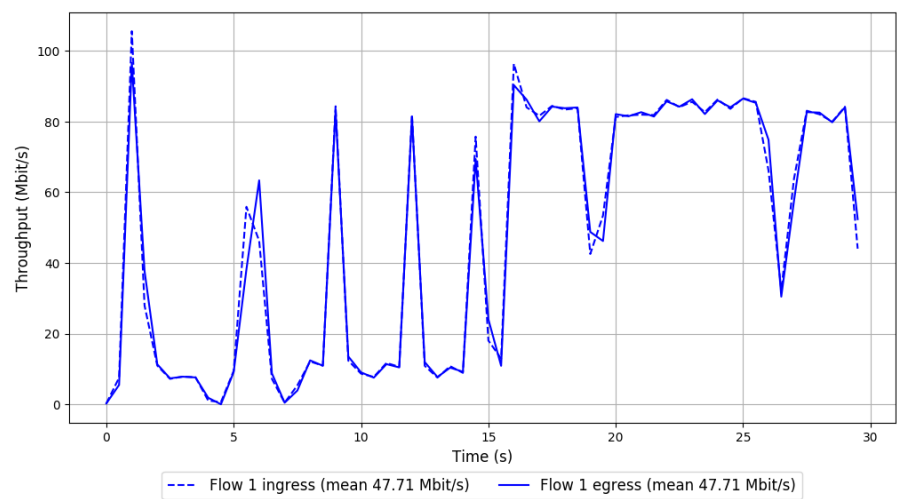


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 13:58:02
End at: 2018-04-24 13:58:32

# Below is generated by plot.py at 2018-04-24 17:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 53.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 53.264 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 14:11:13

End at: 2018-04-24 14:11:43

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.84 Mbit/s

95th percentile per-packet one-way delay: 50.487 ms

Loss rate: 0.00%

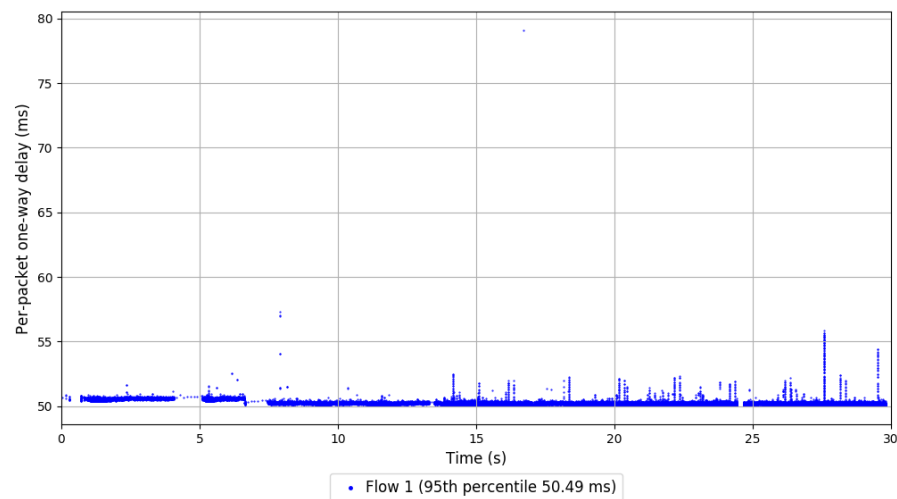
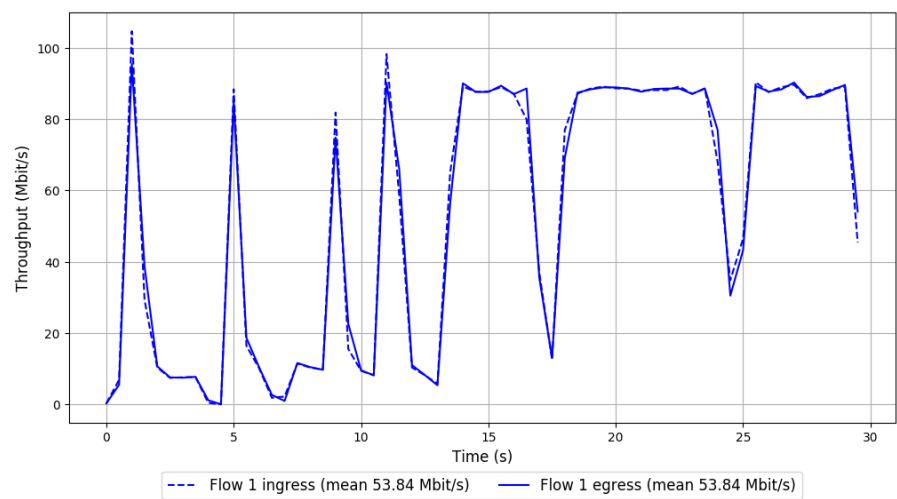
-- Flow 1:

Average throughput: 53.84 Mbit/s

95th percentile per-packet one-way delay: 50.487 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 14:24:01

End at: 2018-04-24 14:24:31

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.00%

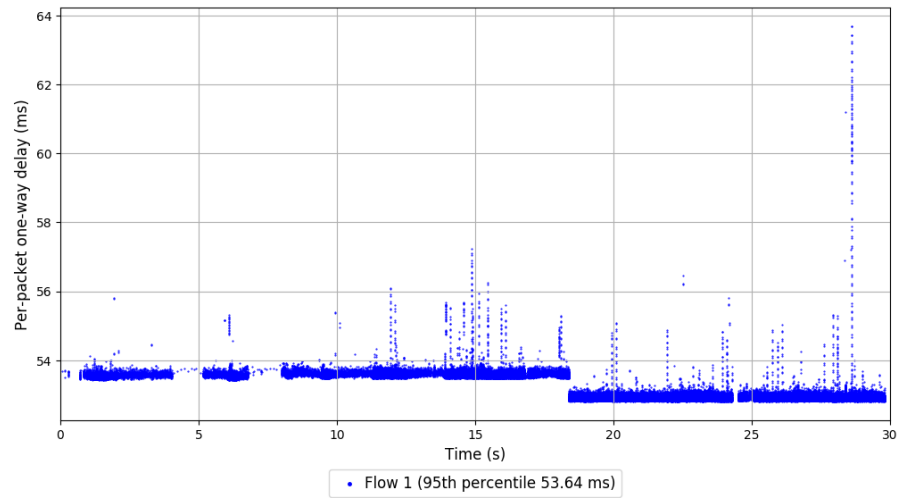
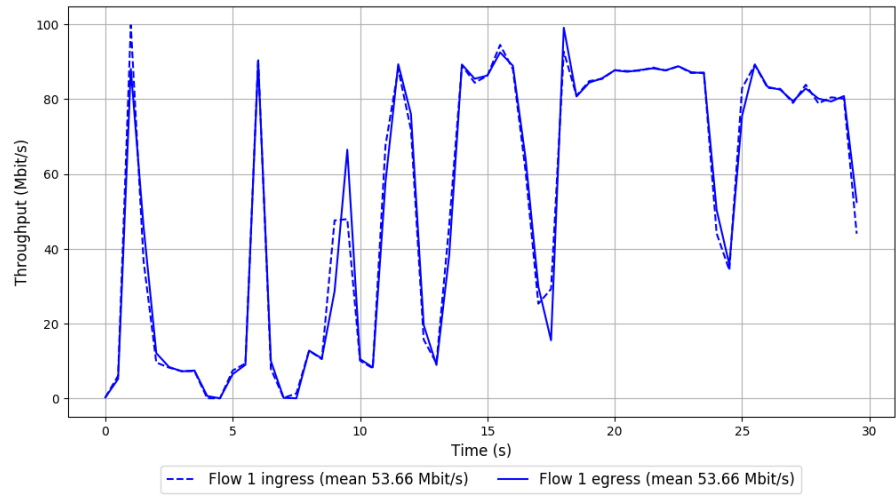
-- Flow 1:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 14:37:07

End at: 2018-04-24 14:37:37

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.52 Mbit/s

95th percentile per-packet one-way delay: 53.241 ms

Loss rate: 0.00%

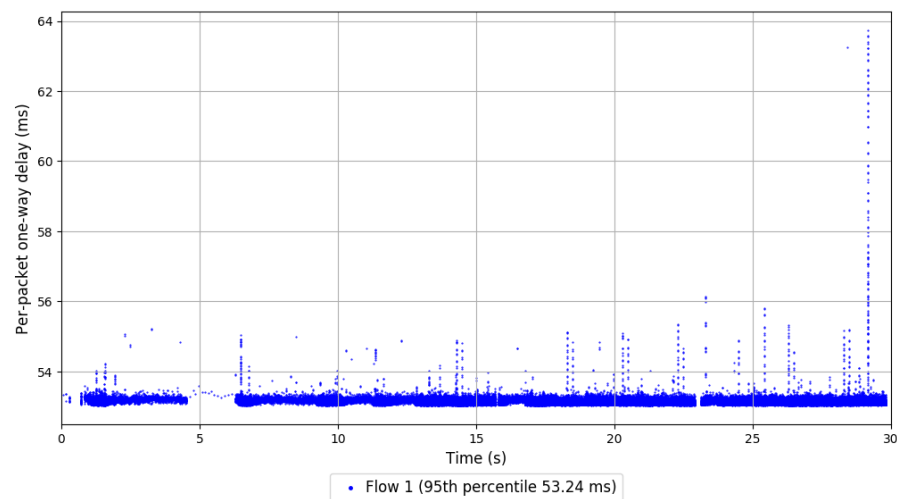
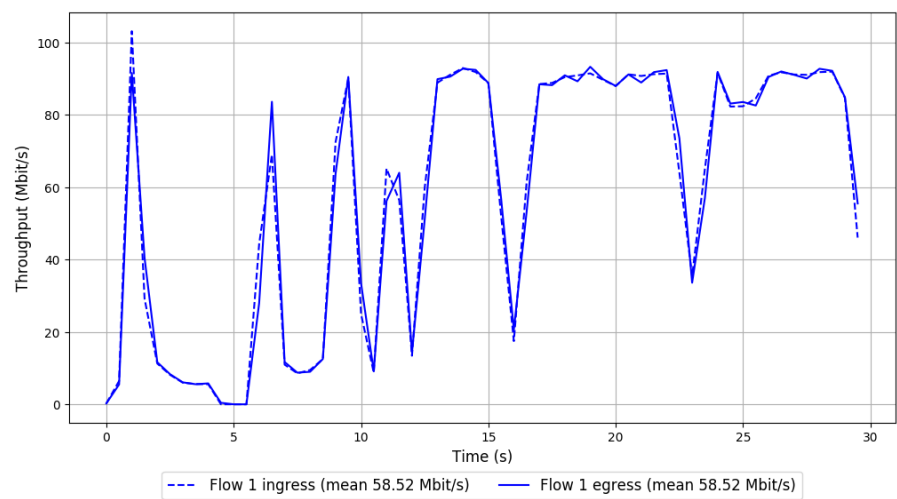
-- Flow 1:

Average throughput: 58.52 Mbit/s

95th percentile per-packet one-way delay: 53.241 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 14:50:13

End at: 2018-04-24 14:50:43

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 53.793 ms

Loss rate: 0.00%

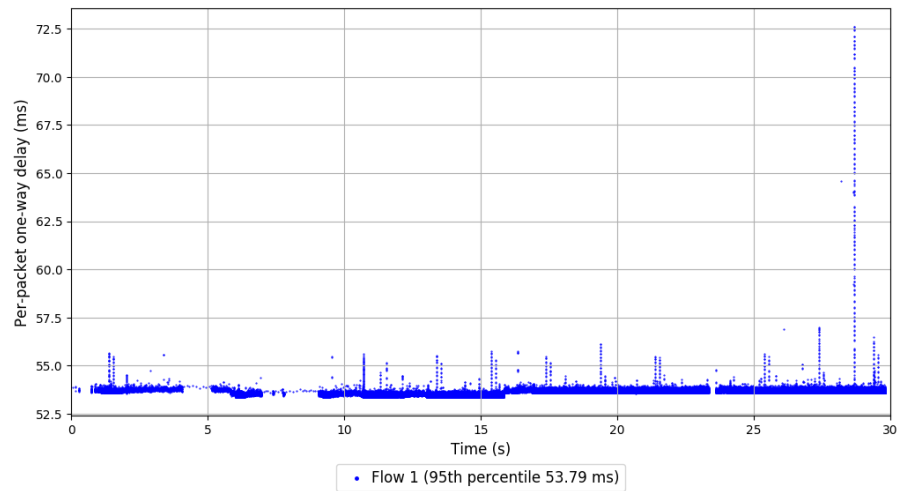
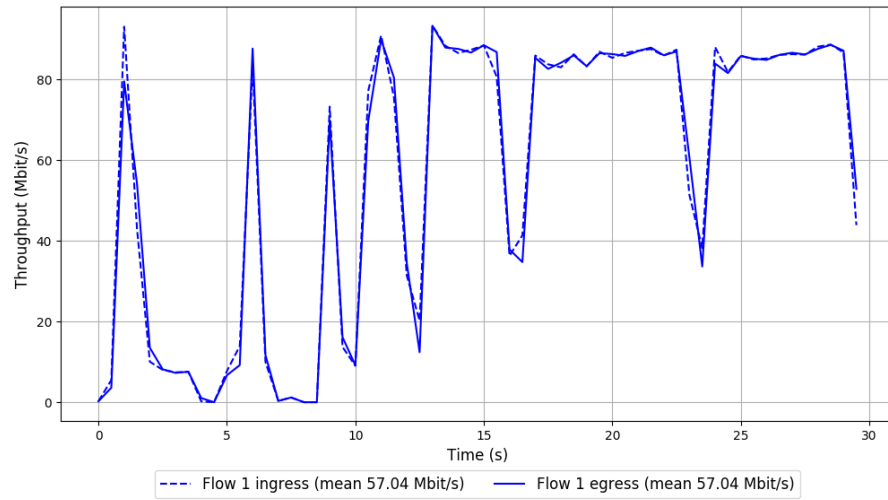
-- Flow 1:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 53.793 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 15:03:15

End at: 2018-04-24 15:03:45

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.16 Mbit/s

95th percentile per-packet one-way delay: 53.632 ms

Loss rate: 0.02%

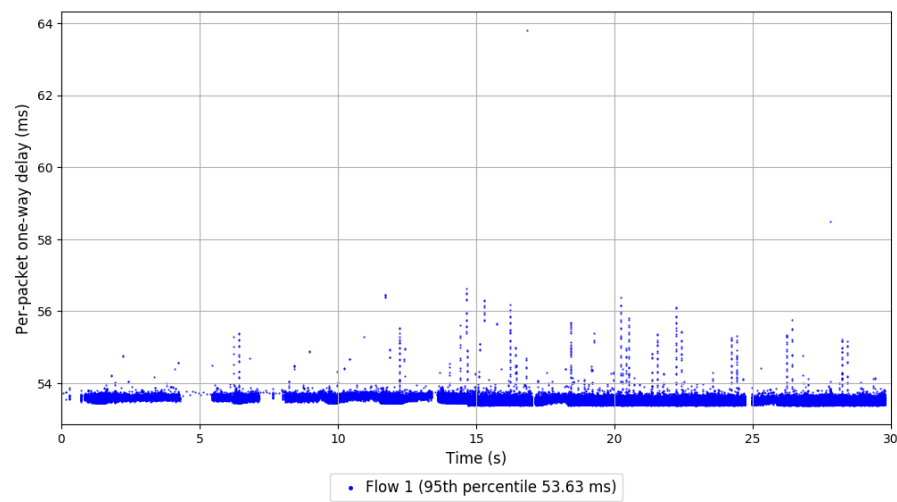
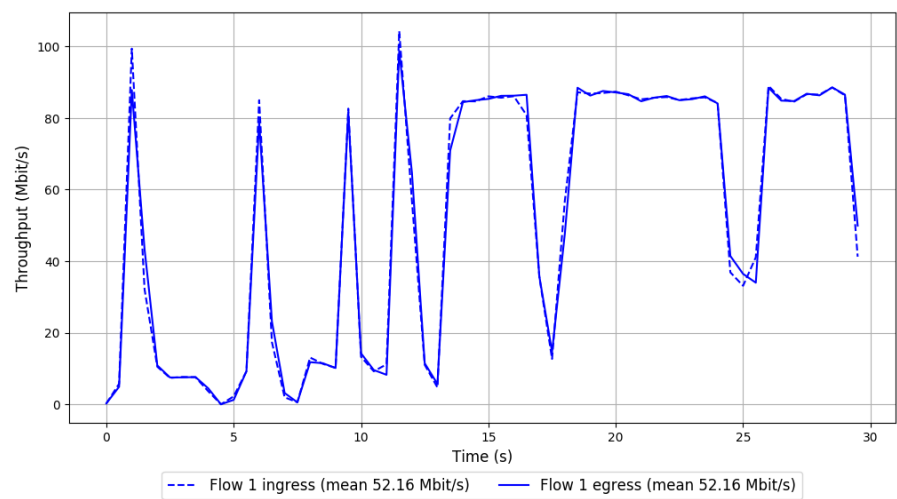
-- Flow 1:

Average throughput: 52.16 Mbit/s

95th percentile per-packet one-way delay: 53.632 ms

Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 15:16:23

End at: 2018-04-24 15:16:53

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.45 Mbit/s

95th percentile per-packet one-way delay: 53.589 ms

Loss rate: 0.00%

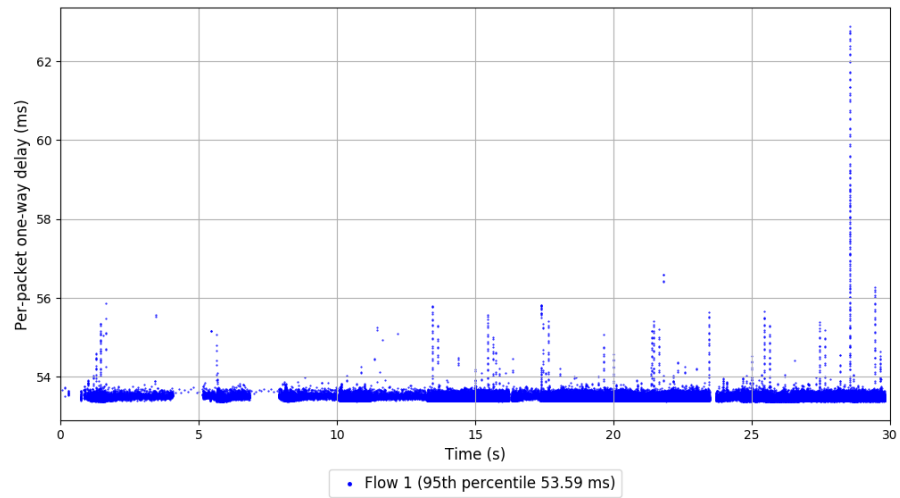
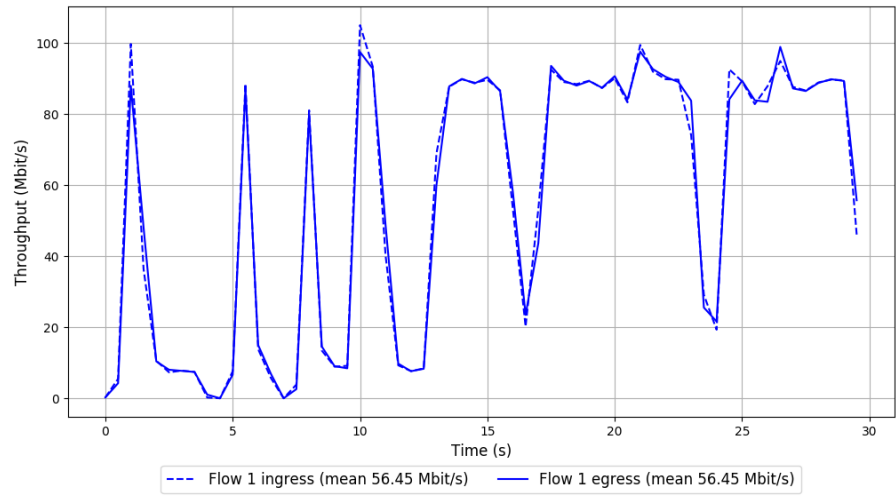
-- Flow 1:

Average throughput: 56.45 Mbit/s

95th percentile per-packet one-way delay: 53.589 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 15:29:12

End at: 2018-04-24 15:29:42

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 53.711 ms

Loss rate: 0.00%

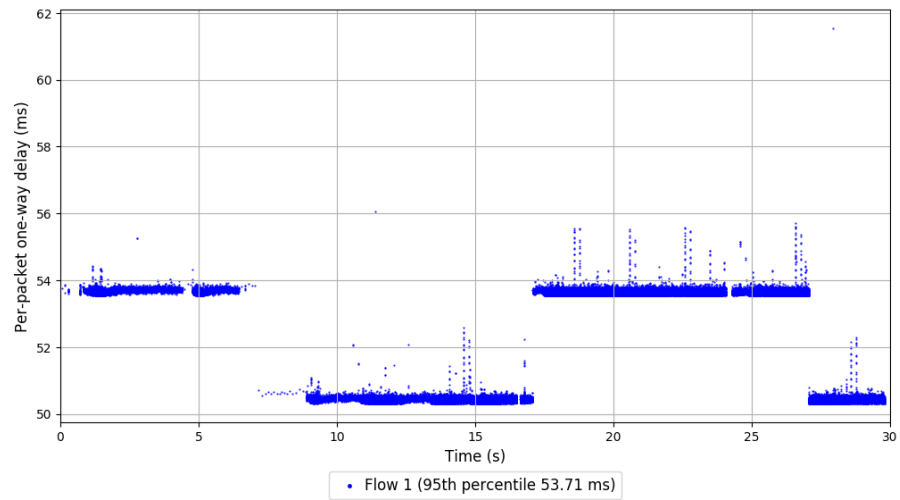
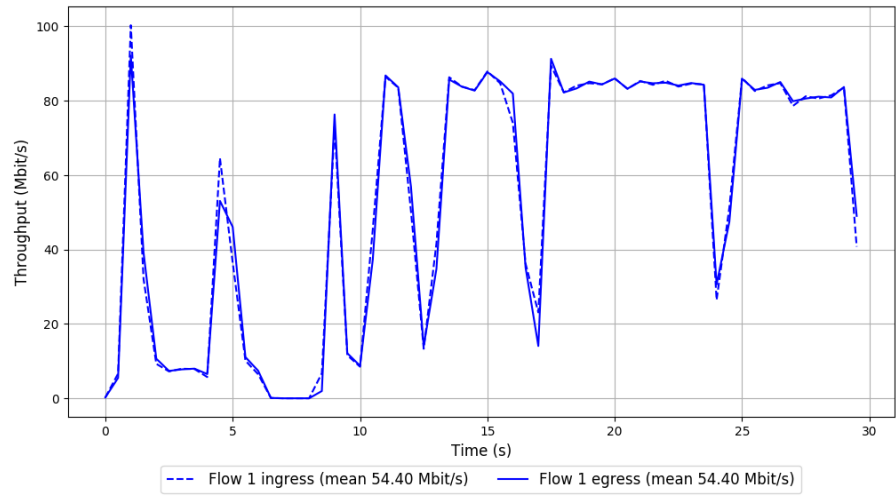
-- Flow 1:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 53.711 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 15:42:16

End at: 2018-04-24 15:42:46

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.41 Mbit/s

95th percentile per-packet one-way delay: 53.635 ms

Loss rate: 0.01%

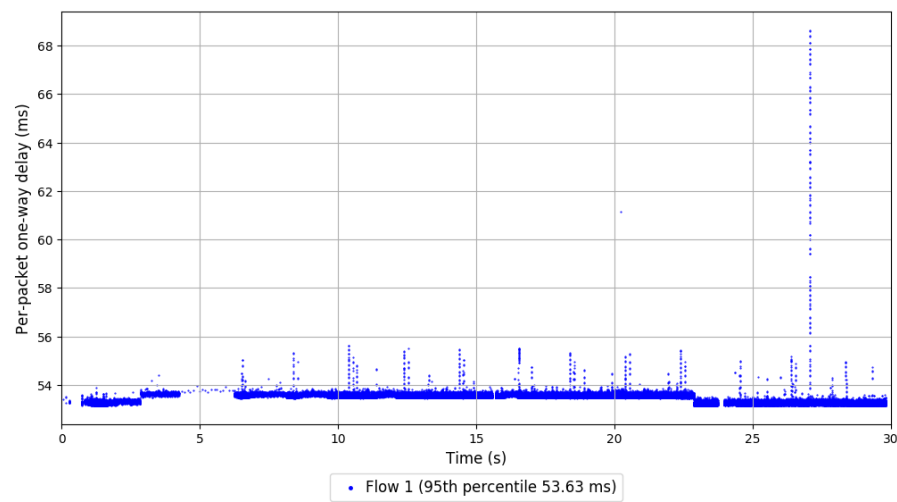
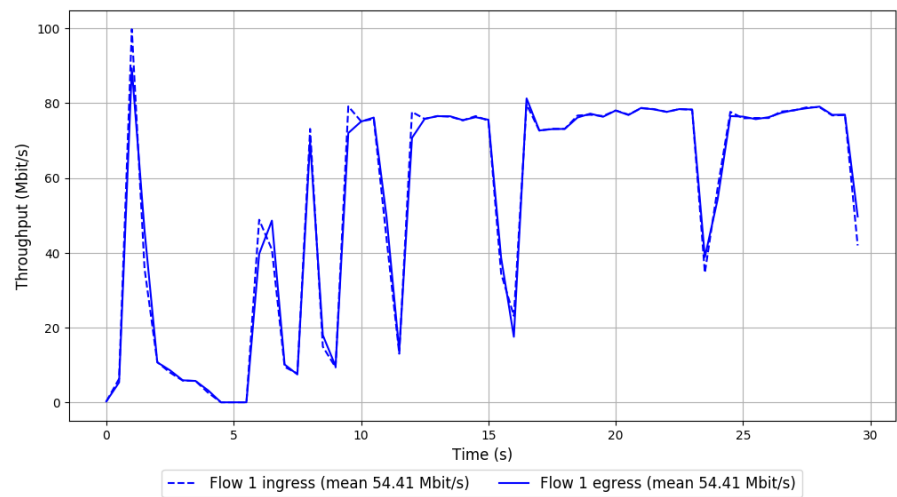
-- Flow 1:

Average throughput: 54.41 Mbit/s

95th percentile per-packet one-way delay: 53.635 ms

Loss rate: 0.01%

Run 9: Report of QUIC Cubic — Data Link

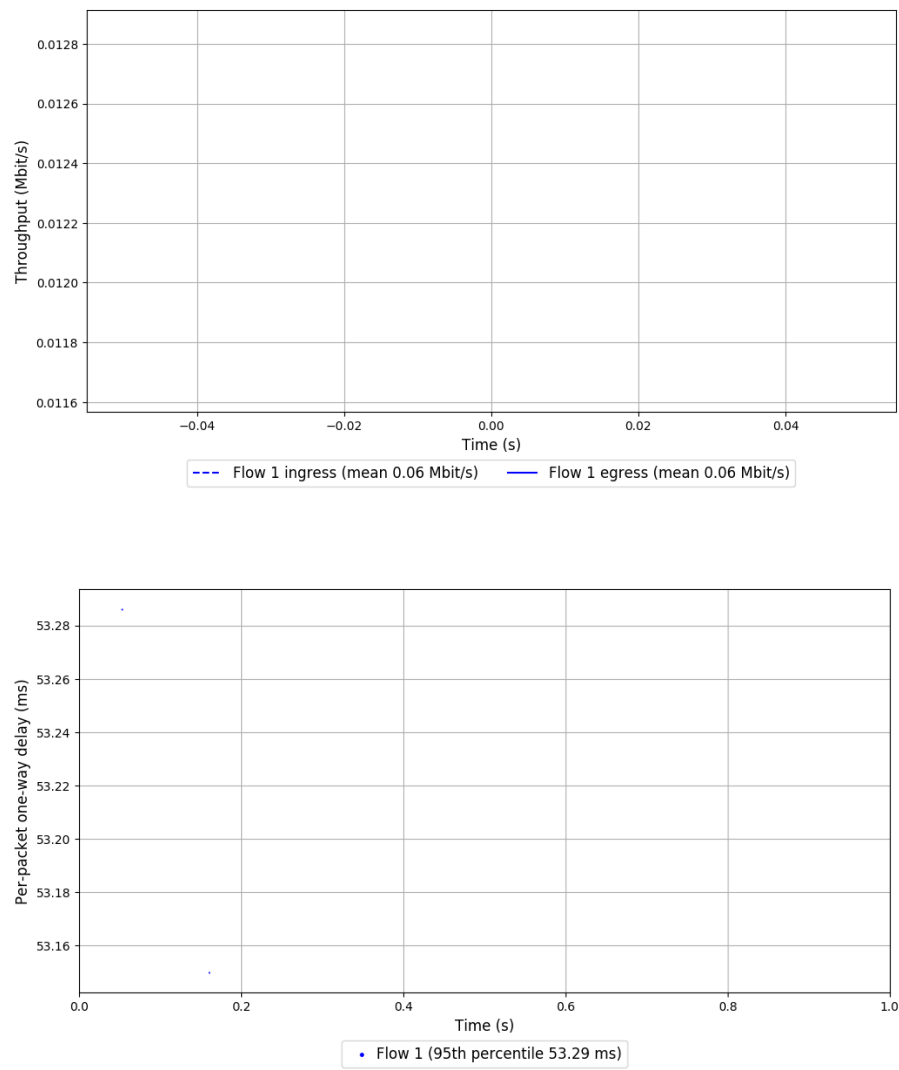


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 15:55:14

End at: 2018-04-24 15:55:44

Run 10: Report of QUIC Cubic — Data Link

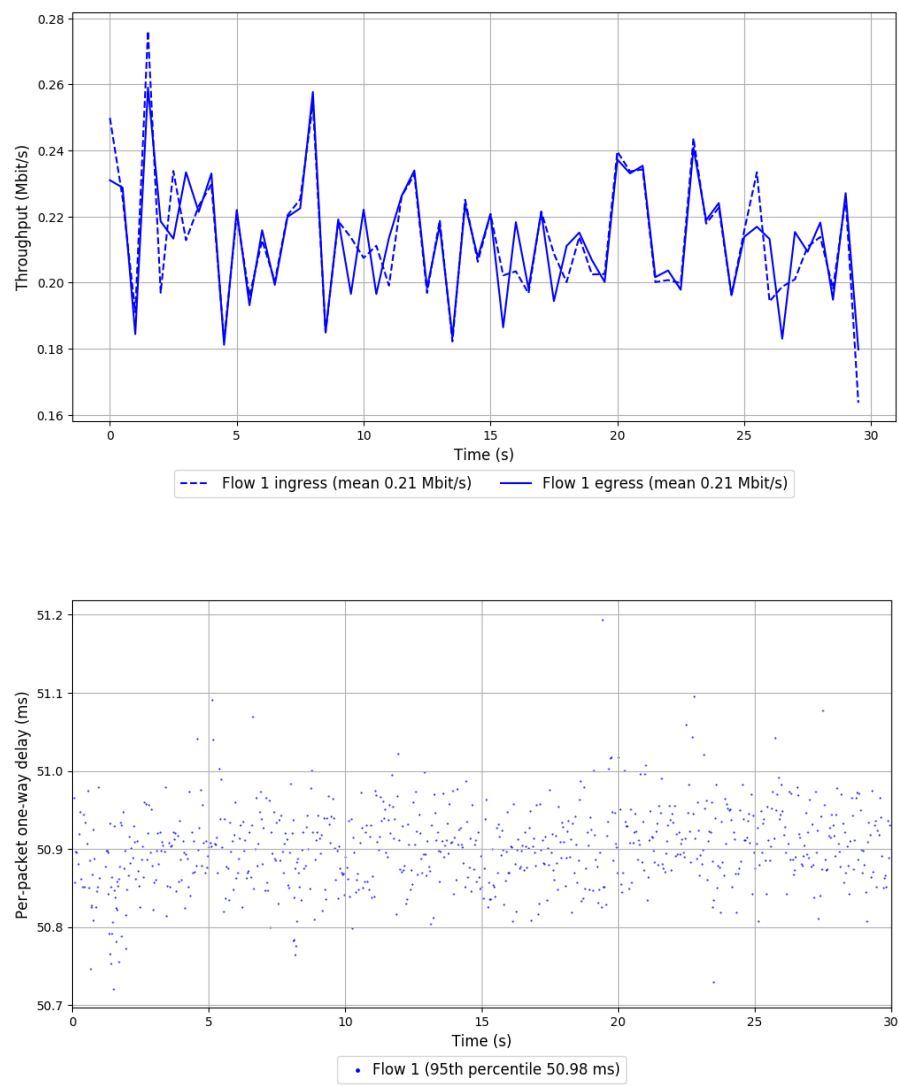


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 14:03:10
End at: 2018-04-24 14:03:40

# Below is generated by plot.py at 2018-04-24 17:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.979 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

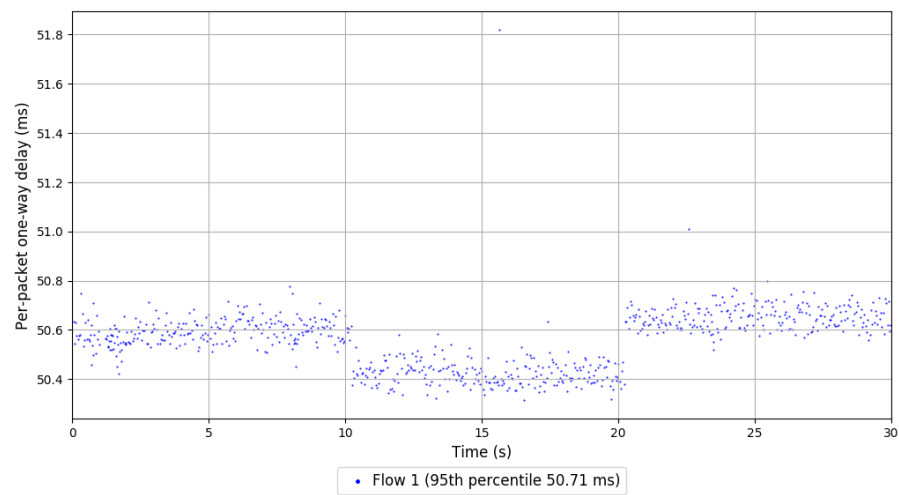
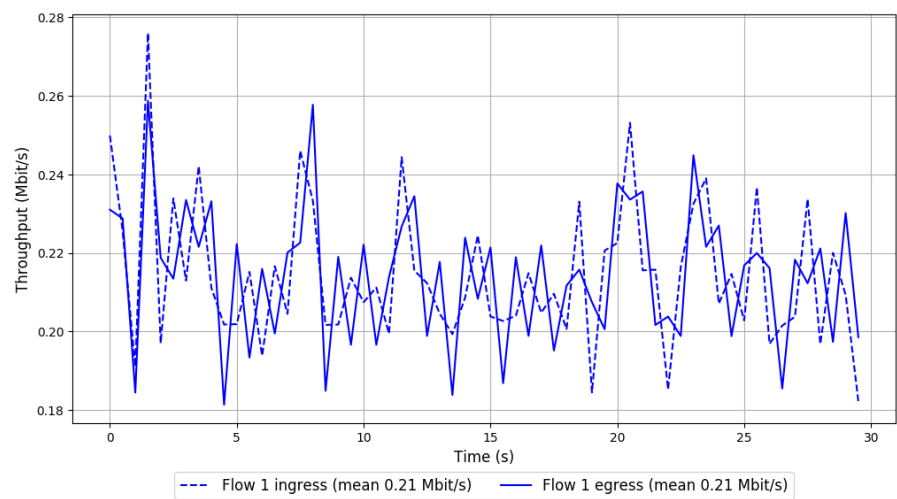


```
Run 2: Statistics of SCReAM

Start at: 2018-04-24 14:16:09
End at: 2018-04-24 14:16:39

# Below is generated by plot.py at 2018-04-24 17:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.710 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 14:29:18

End at: 2018-04-24 14:29:48

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.723 ms

Loss rate: 0.00%

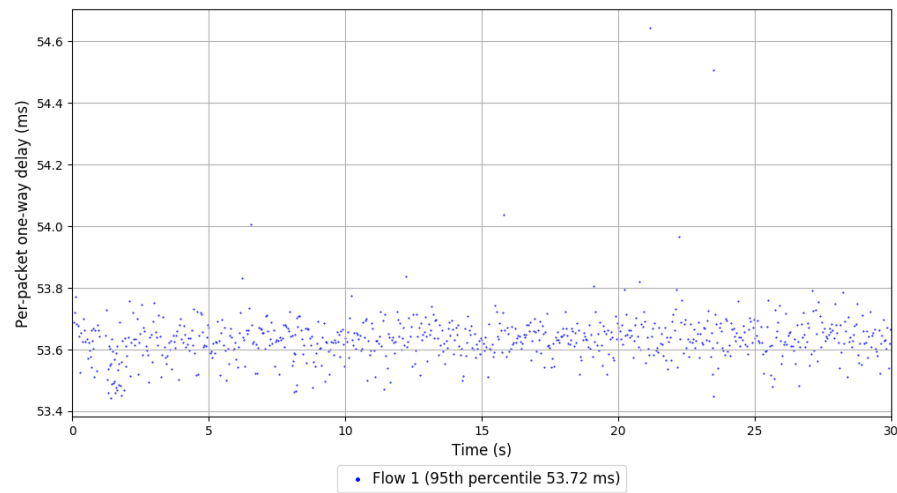
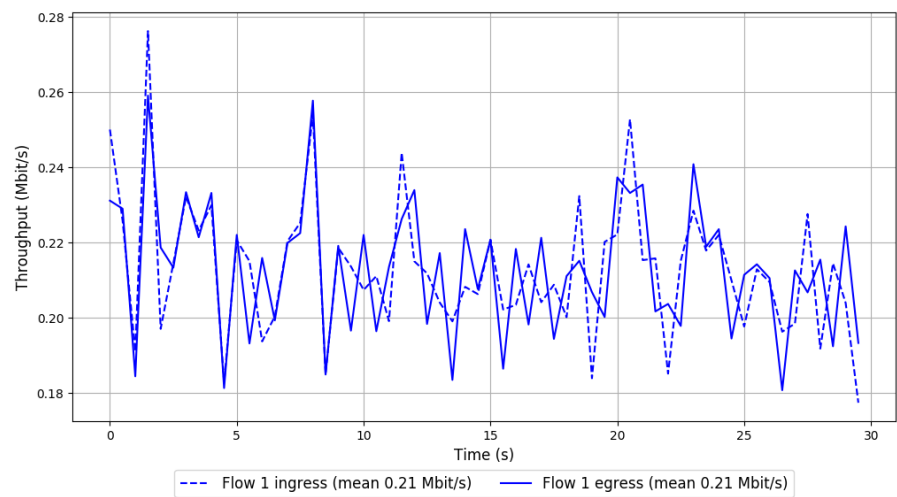
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.723 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-24 14:42:03

End at: 2018-04-24 14:42:33

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.847 ms

Loss rate: 0.00%

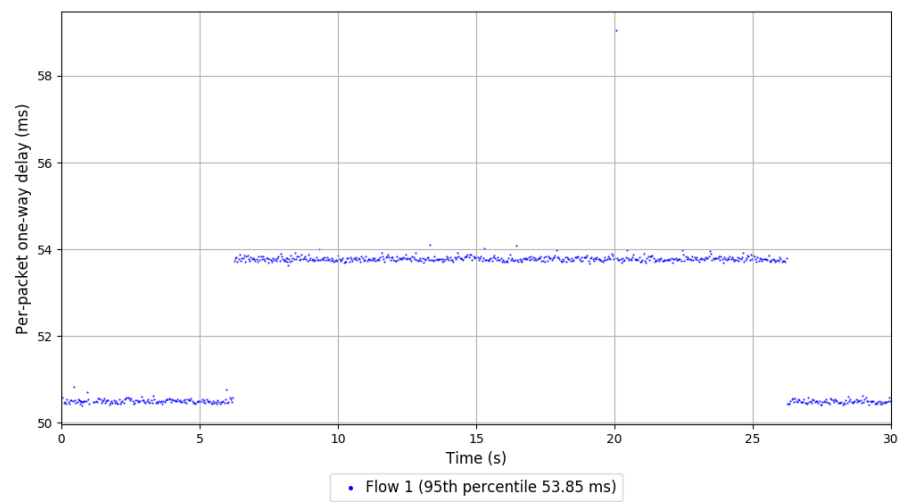
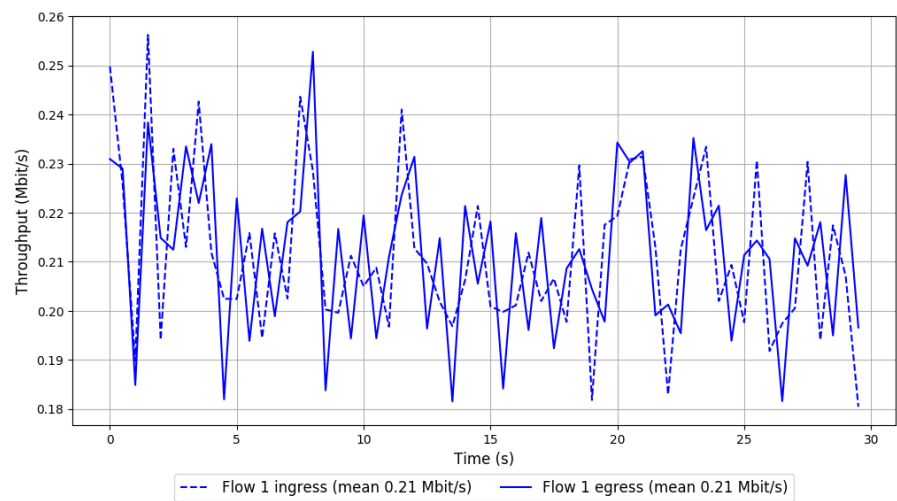
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.847 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 14:55:17

End at: 2018-04-24 14:55:48

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.431 ms

Loss rate: 0.00%

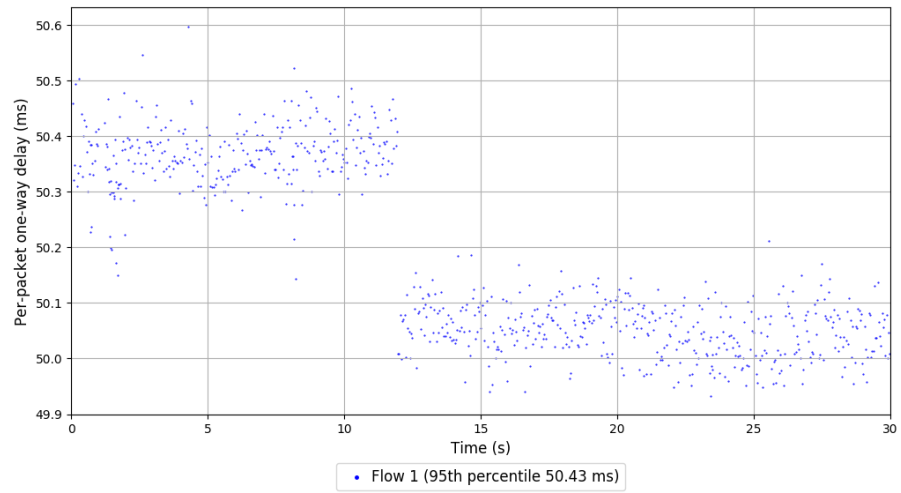
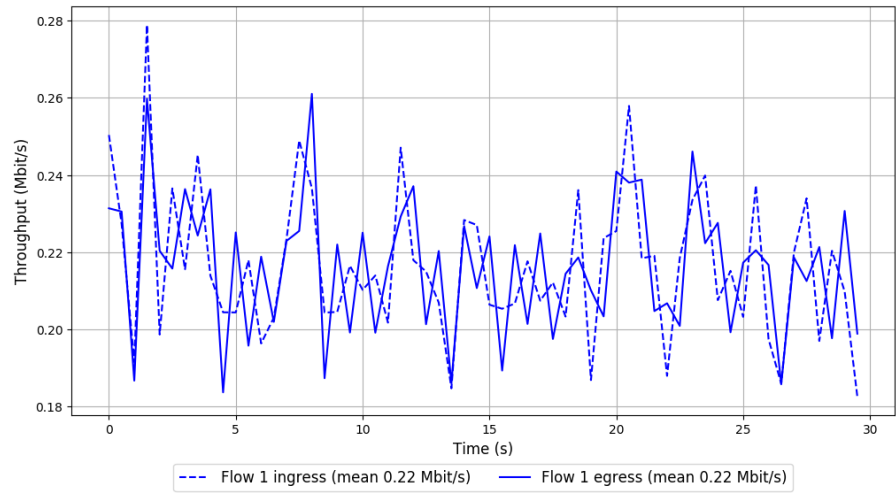
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.431 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 15:08:30

End at: 2018-04-24 15:09:00

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.401 ms

Loss rate: 0.00%

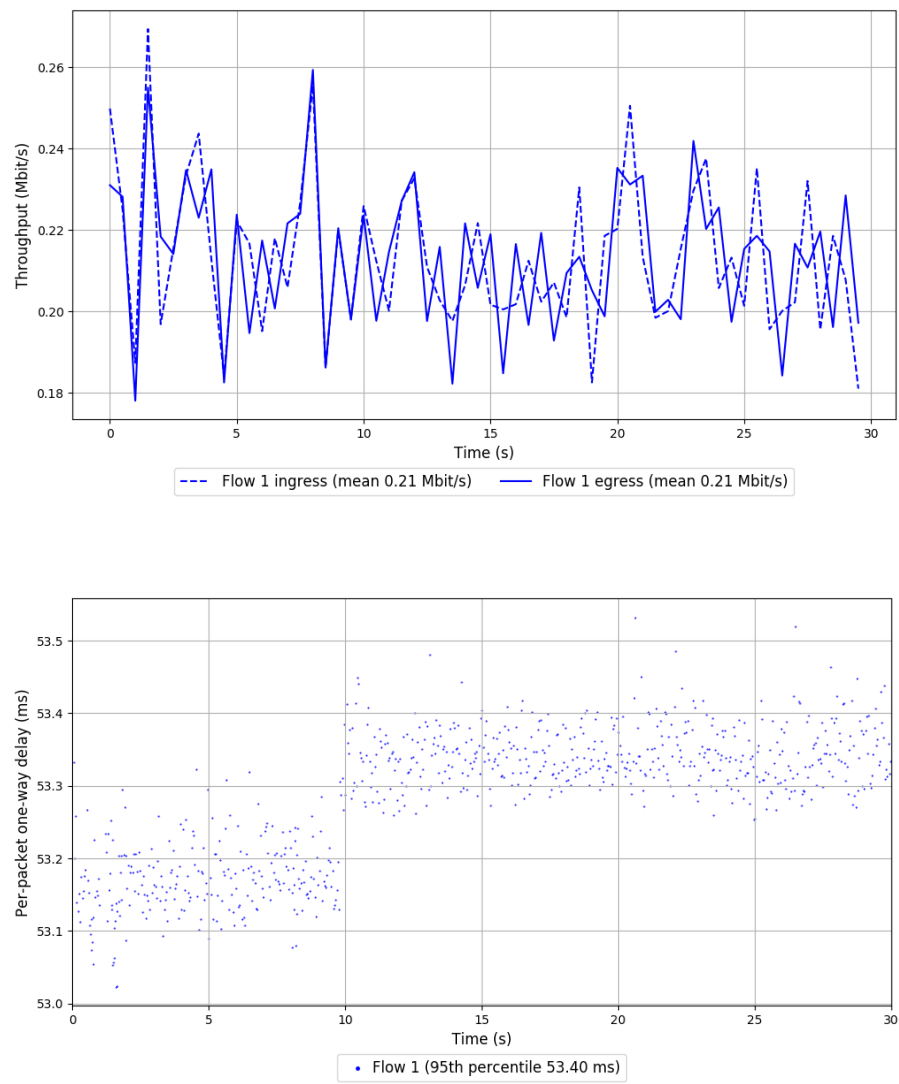
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.401 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

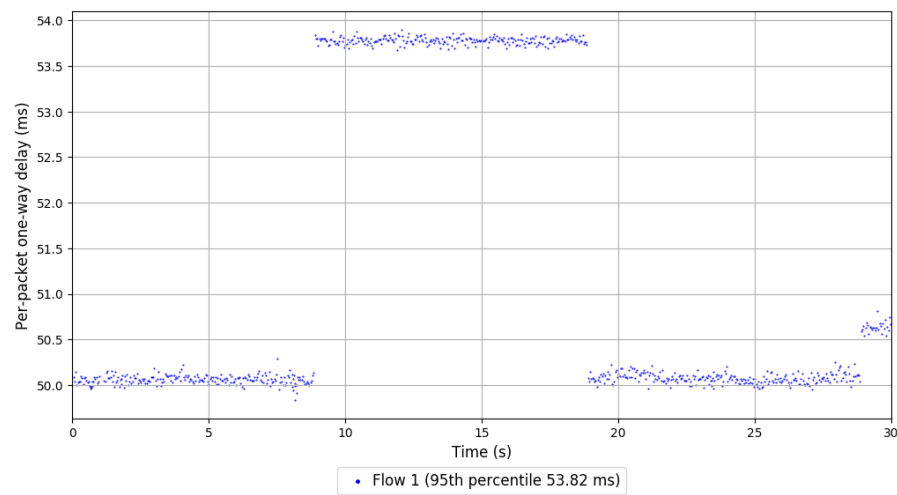
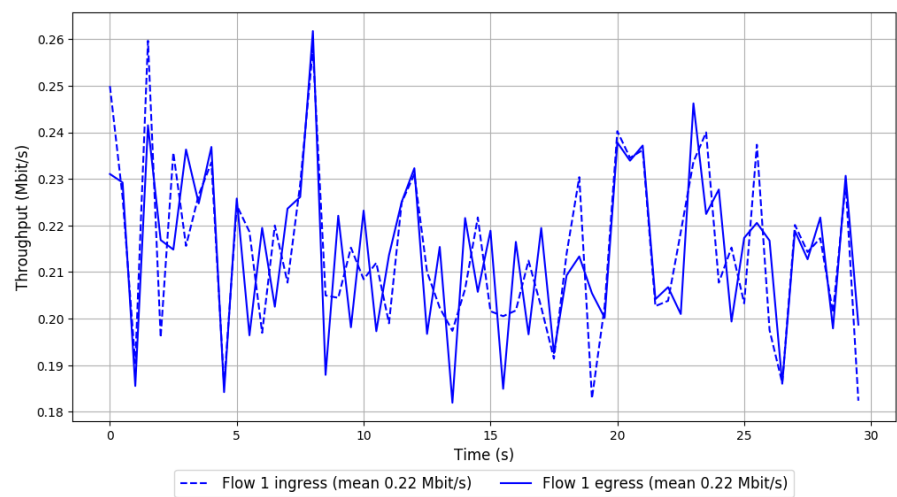


```
Run 7: Statistics of SCReAM

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

# Below is generated by plot.py at 2018-04-24 17:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.816 ms
Loss rate: 0.00%
```

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 15:34:25

End at: 2018-04-24 15:34:55

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.576 ms

Loss rate: 0.00%

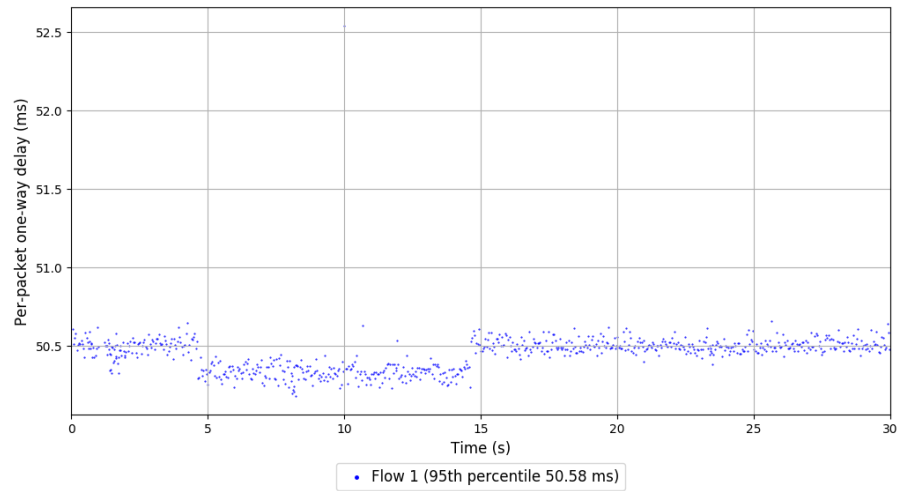
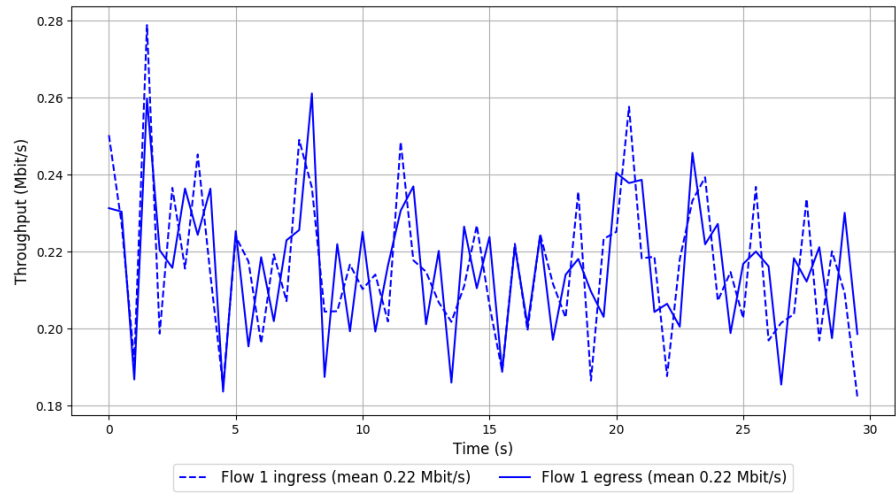
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.576 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 15:47:16

End at: 2018-04-24 15:47:46

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.357 ms

Loss rate: 0.00%

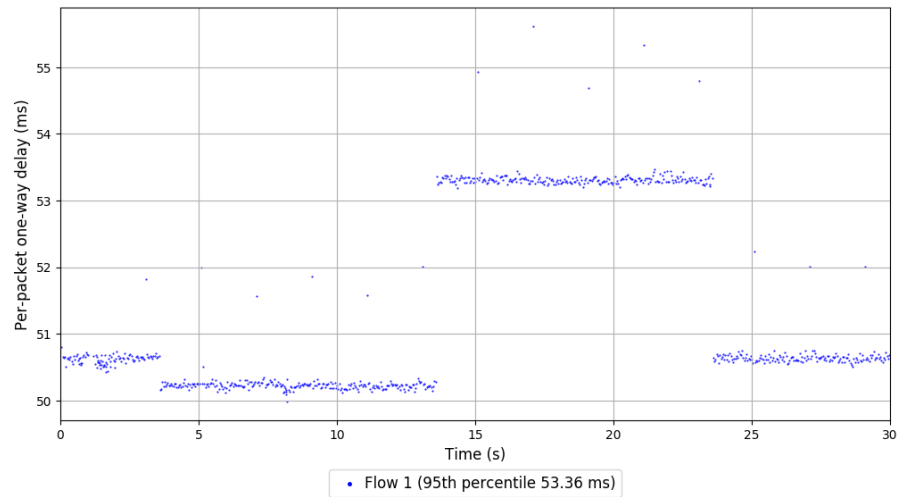
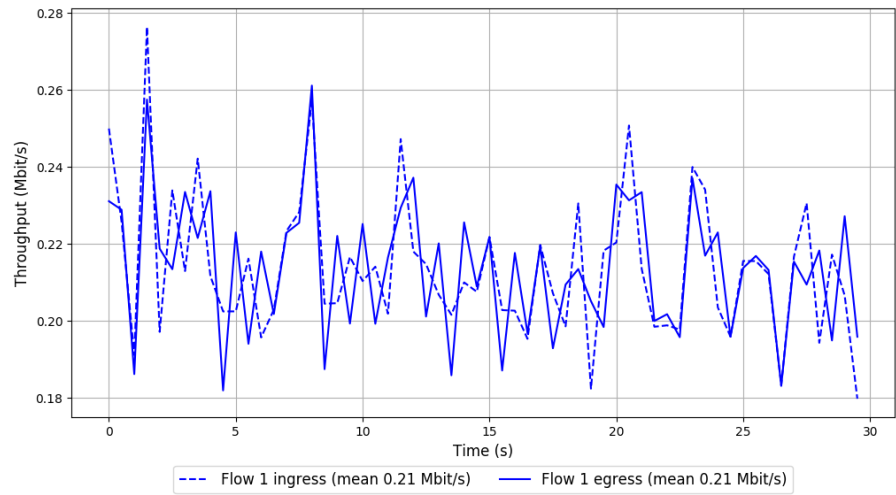
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.357 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

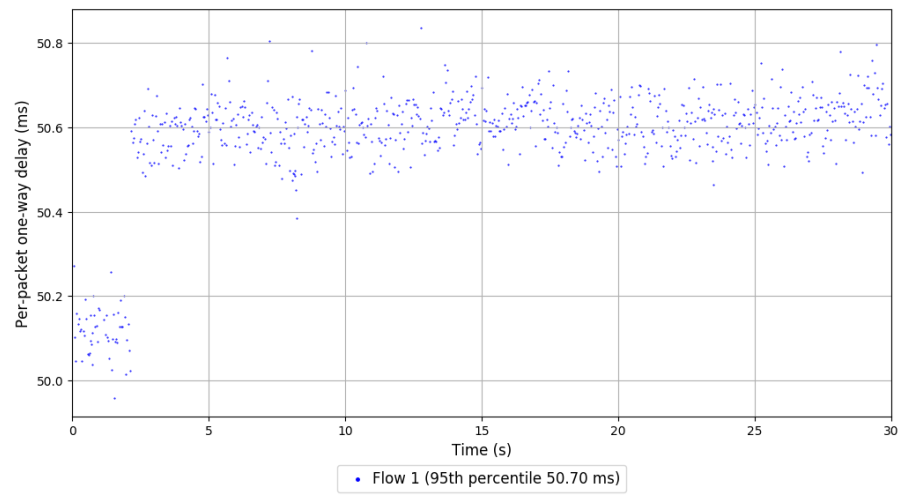
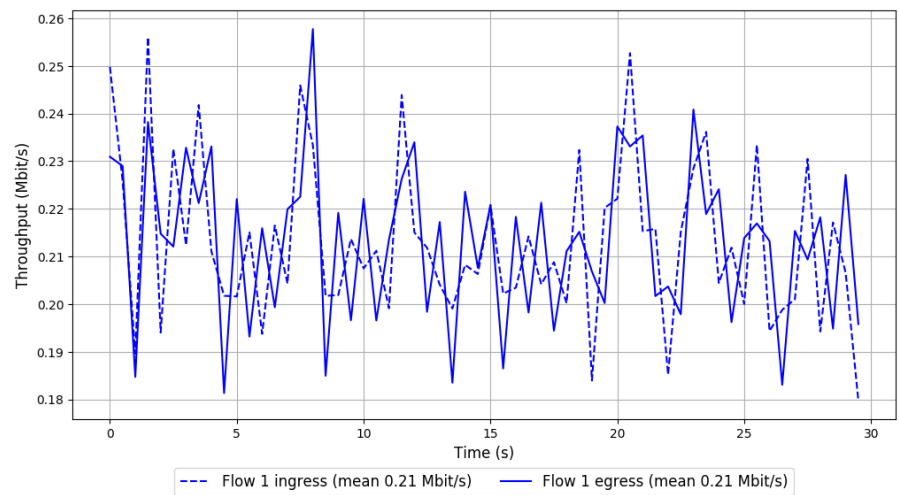


```
Run 10: Statistics of SReAM

Start at: 2018-04-24 16:00:07
End at: 2018-04-24 16:00:37

# Below is generated by plot.py at 2018-04-24 17:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-04-24 14:07:28

End at: 2018-04-24 14:07:58

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.806 ms

Loss rate: 0.00%

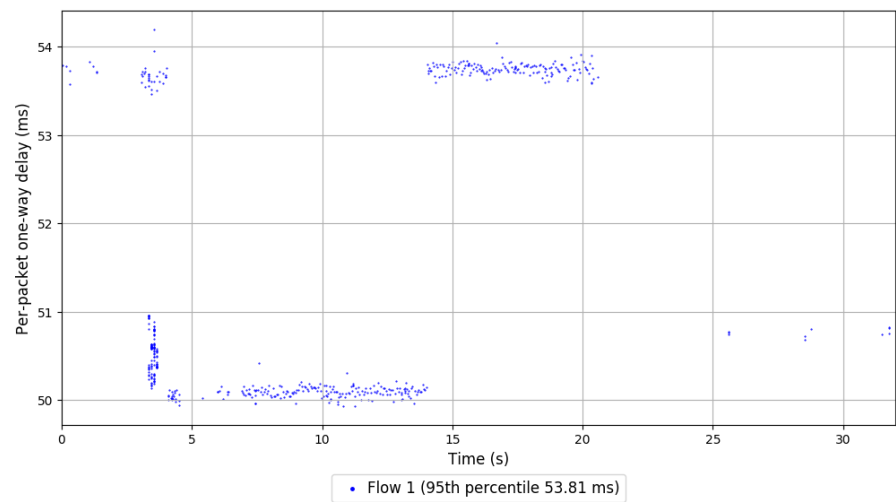
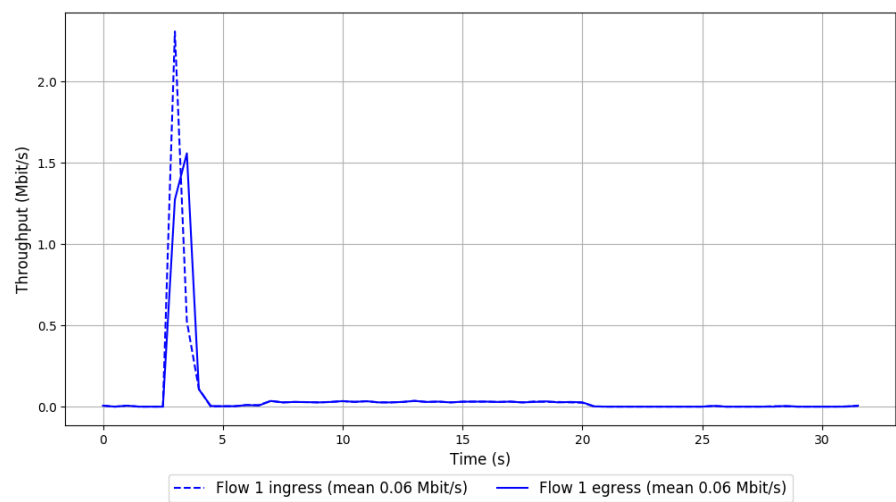
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.806 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-24 14:20:21

End at: 2018-04-24 14:20:51

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.461 ms

Loss rate: 0.00%

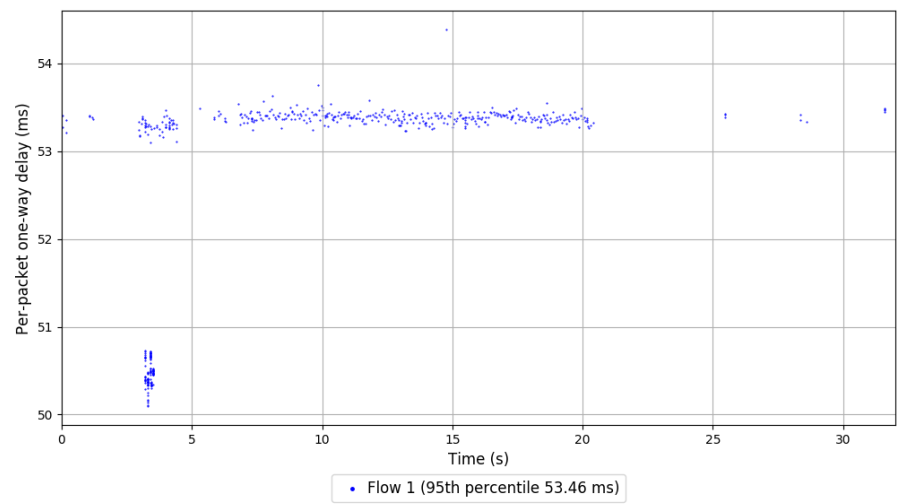
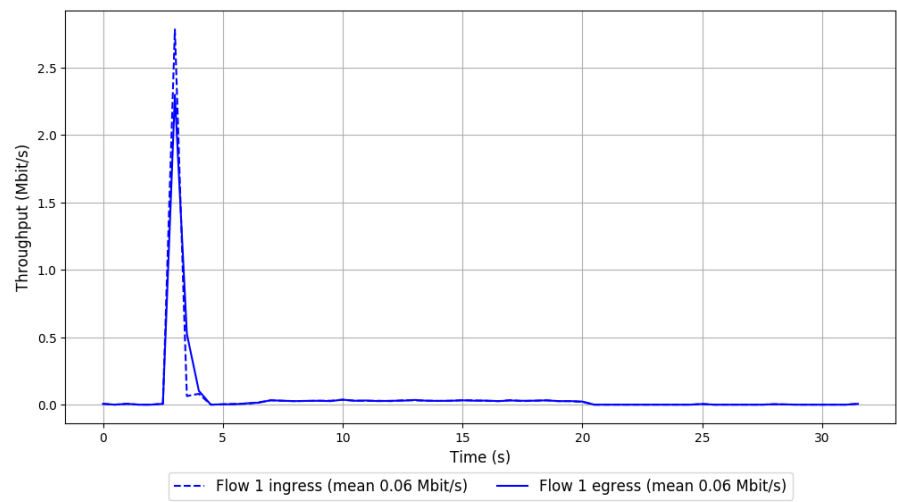
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.461 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 14:33:27

End at: 2018-04-24 14:33:57

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.901 ms

Loss rate: 0.00%

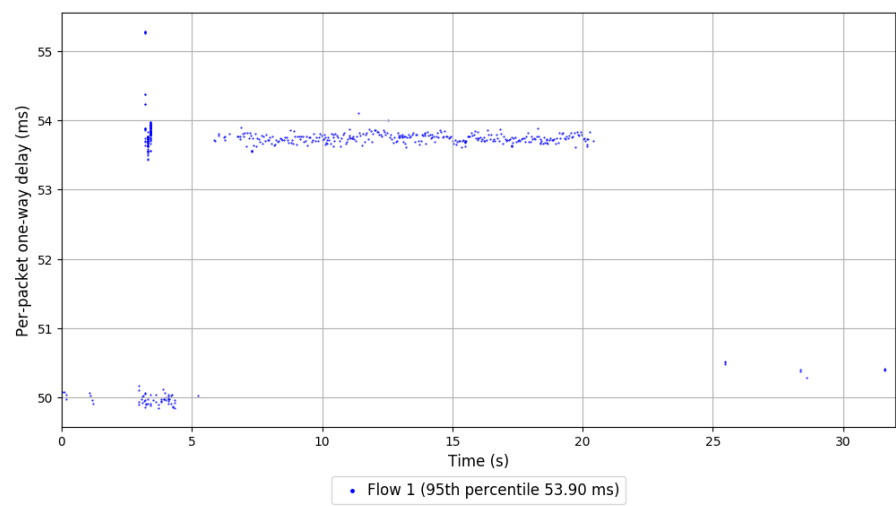
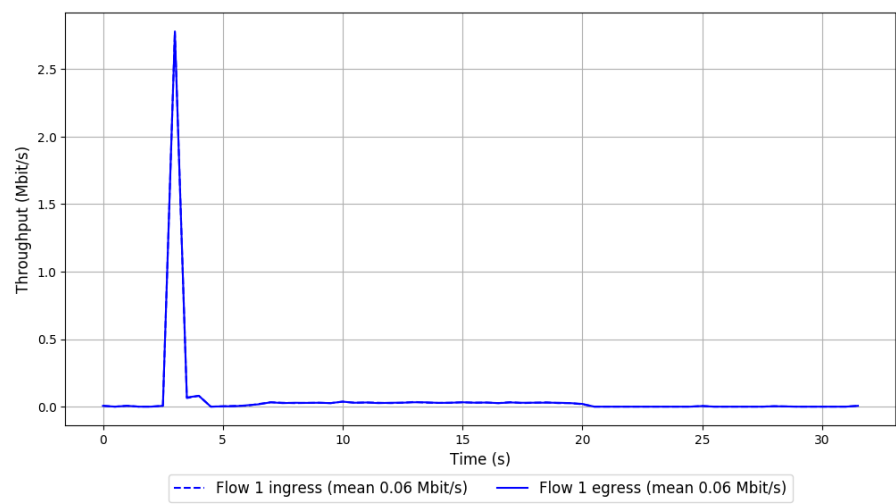
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.901 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 14:46:13

End at: 2018-04-24 14:46:43

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 0.00%

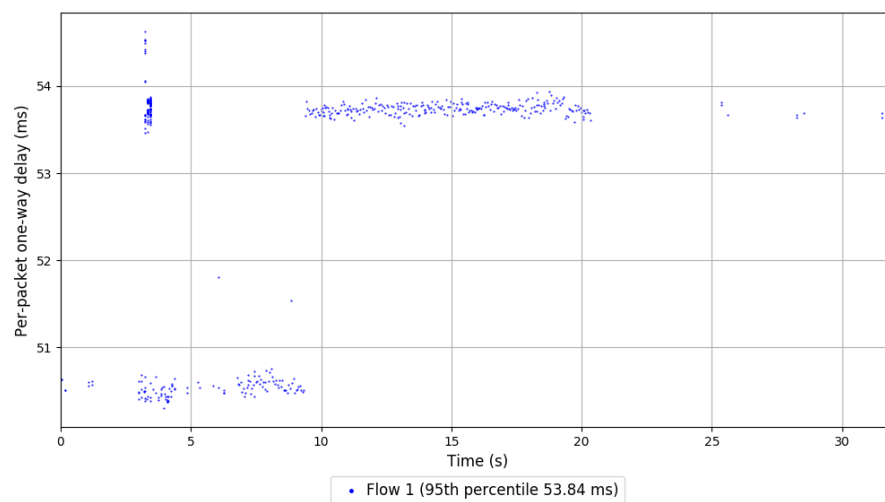
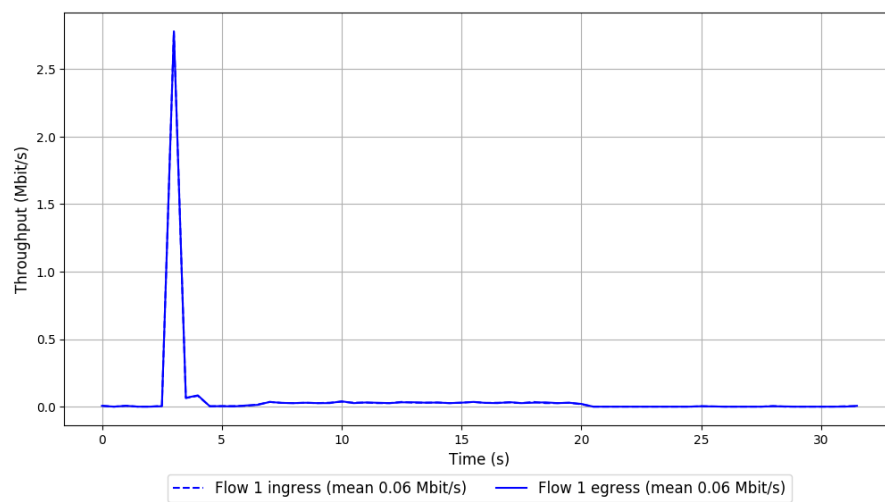
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 14:59:30

End at: 2018-04-24 15:00:00

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.890 ms

Loss rate: 0.00%

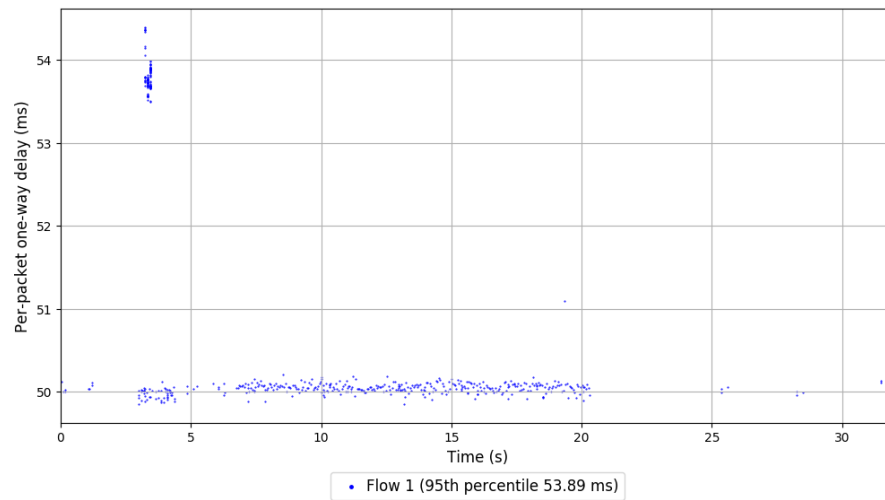
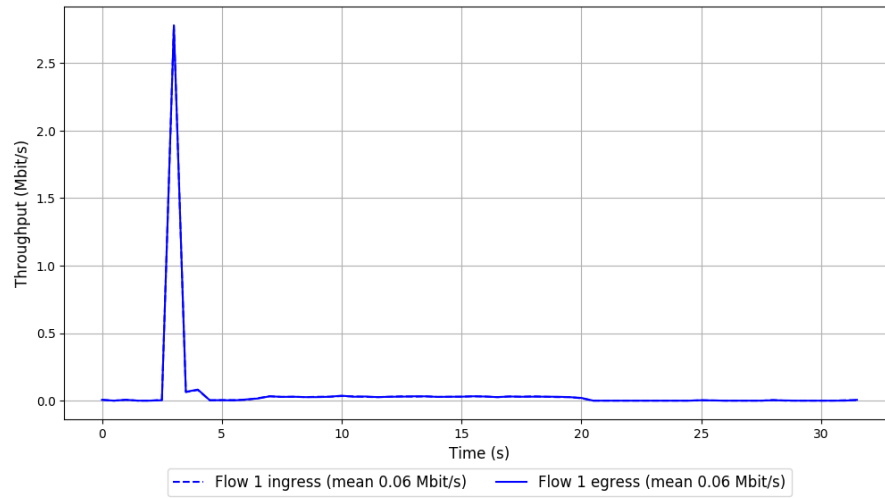
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.890 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 15:12:44

End at: 2018-04-24 15:13:14

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.00%

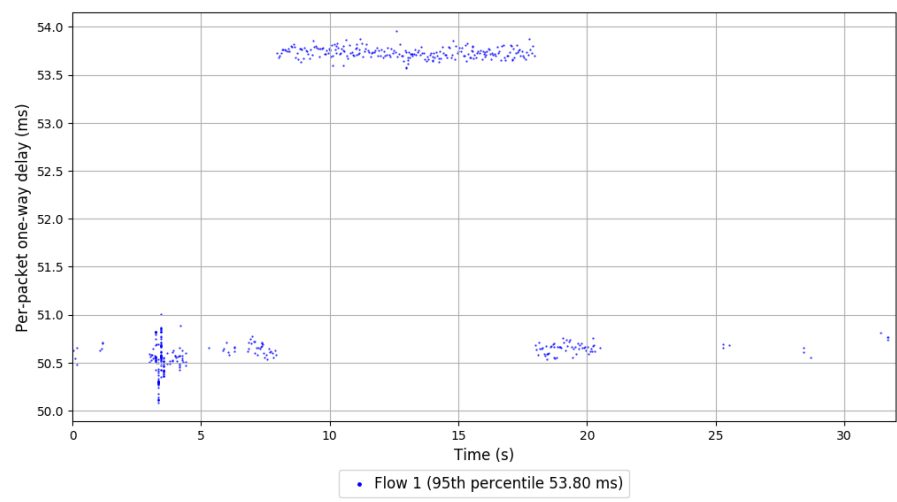
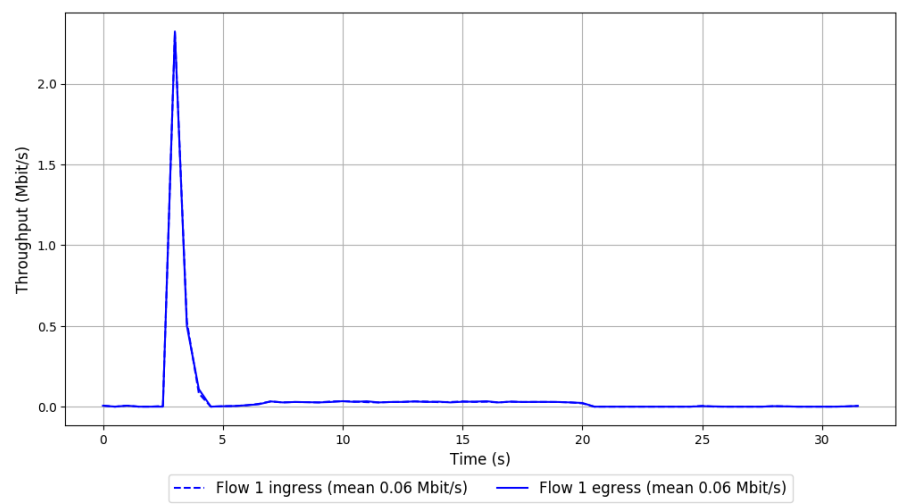
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 15:25:32

End at: 2018-04-24 15:26:02

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.766 ms

Loss rate: 0.00%

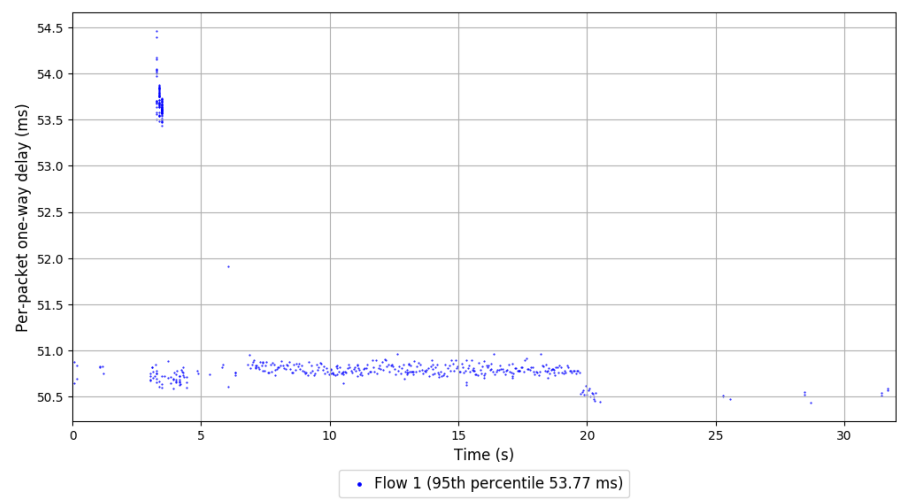
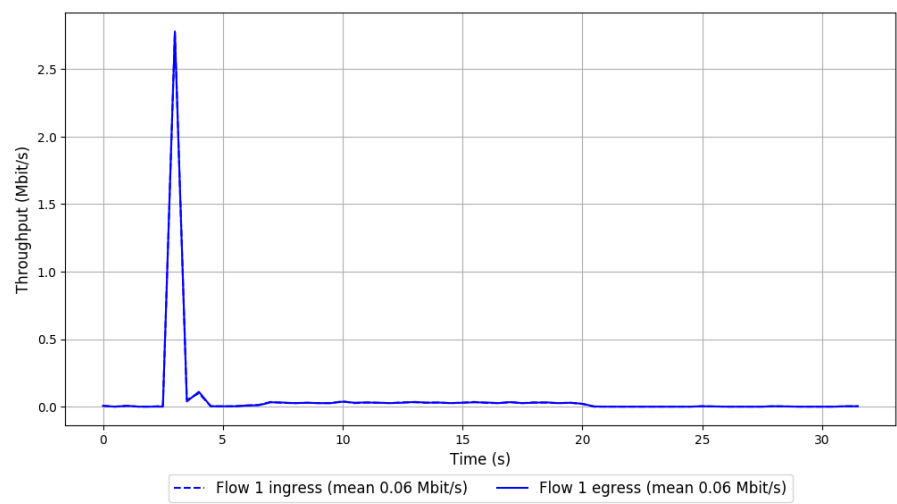
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.766 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 15:38:42

End at: 2018-04-24 15:39:12

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 53.851 ms

Loss rate: 0.00%

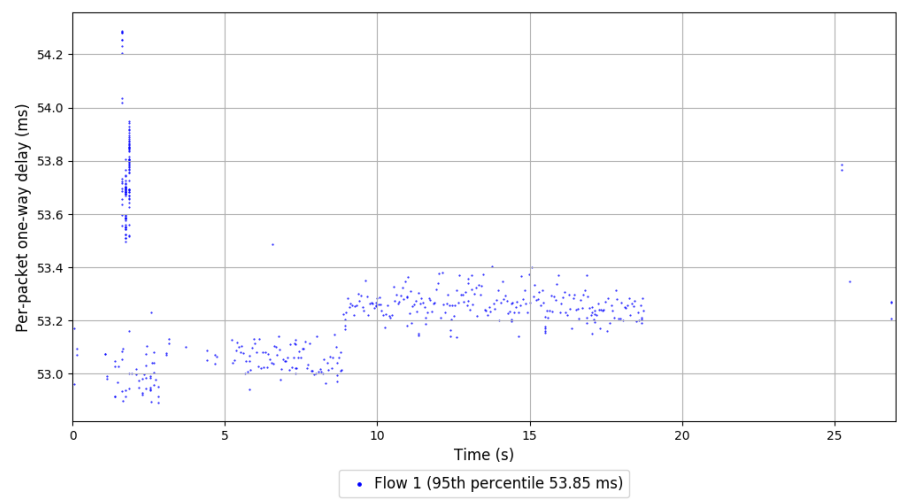
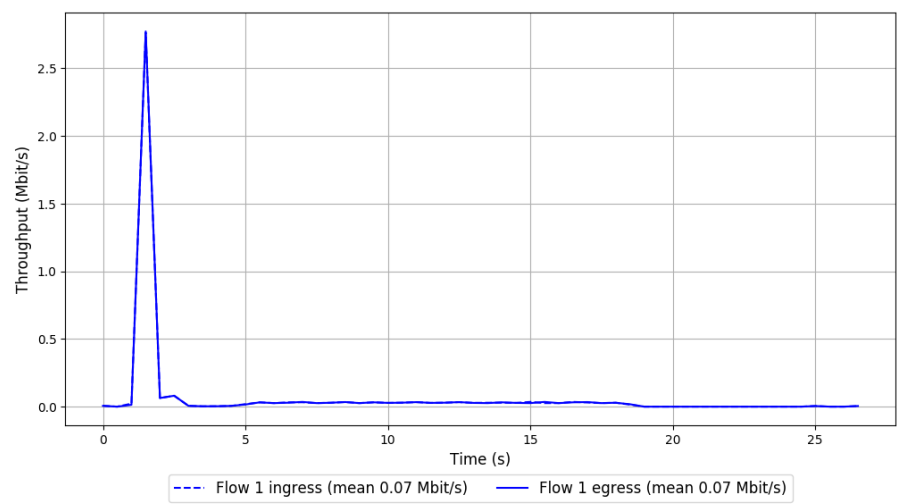
-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 53.851 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 15:51:34

End at: 2018-04-24 15:52:04

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.874 ms

Loss rate: 0.00%

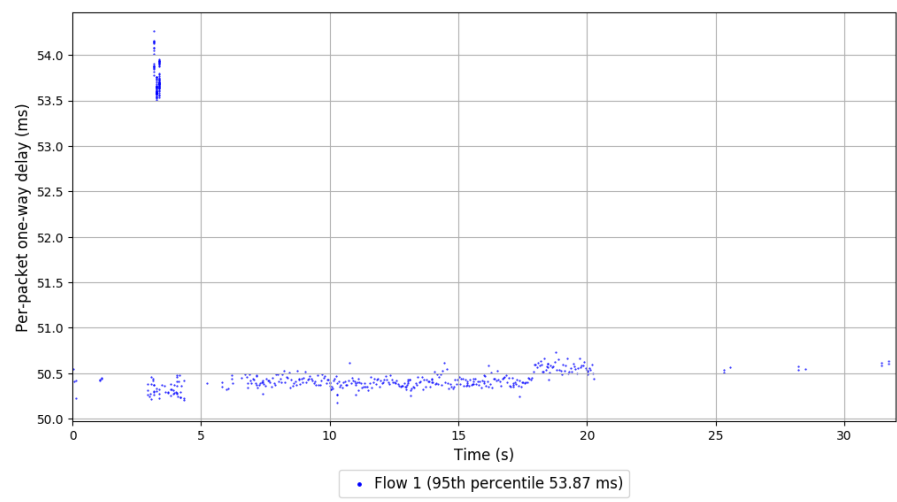
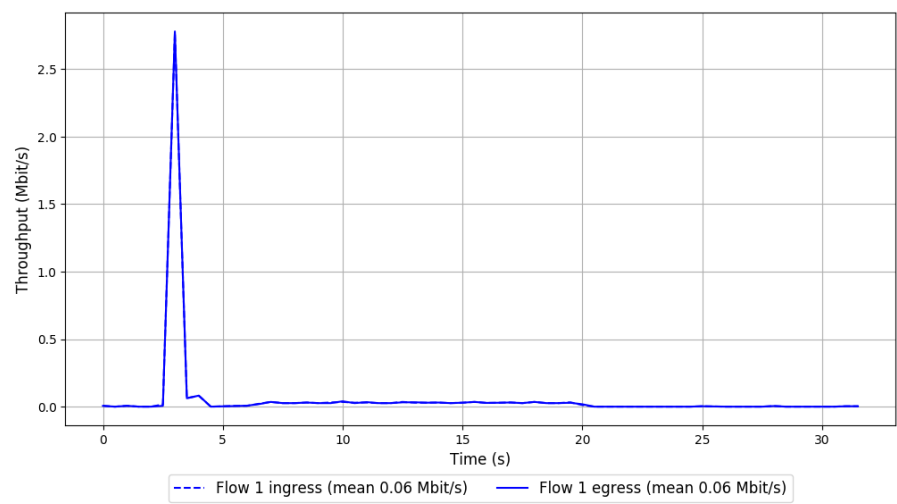
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.874 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

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

End at: 2018-04-24 16:04:52

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.956 ms

Loss rate: 0.00%

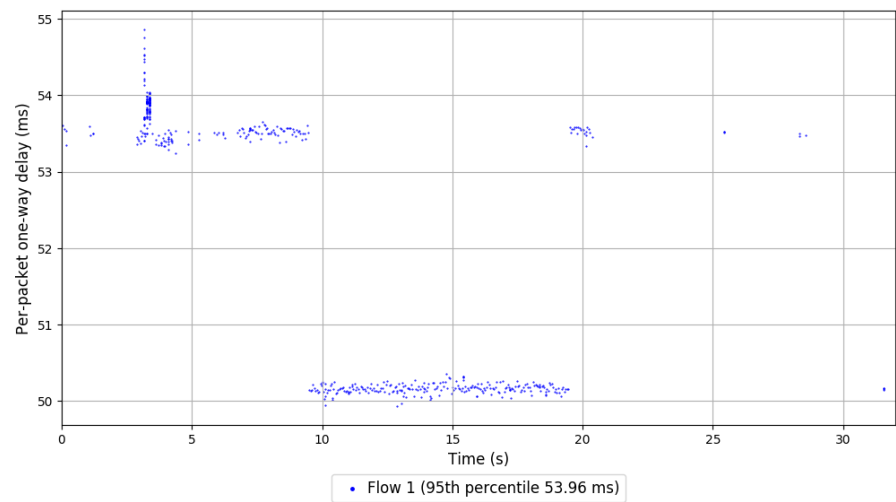
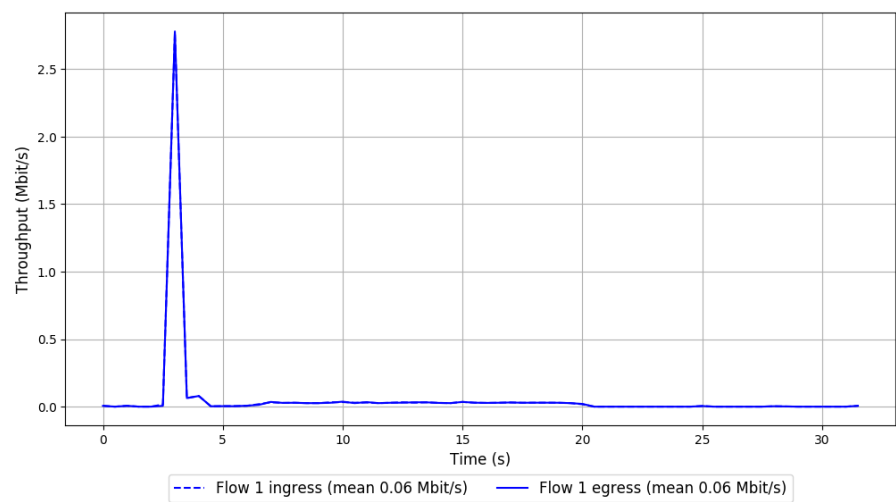
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.956 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 14:08:05

End at: 2018-04-24 14:08:35

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.354 ms

Loss rate: 0.00%

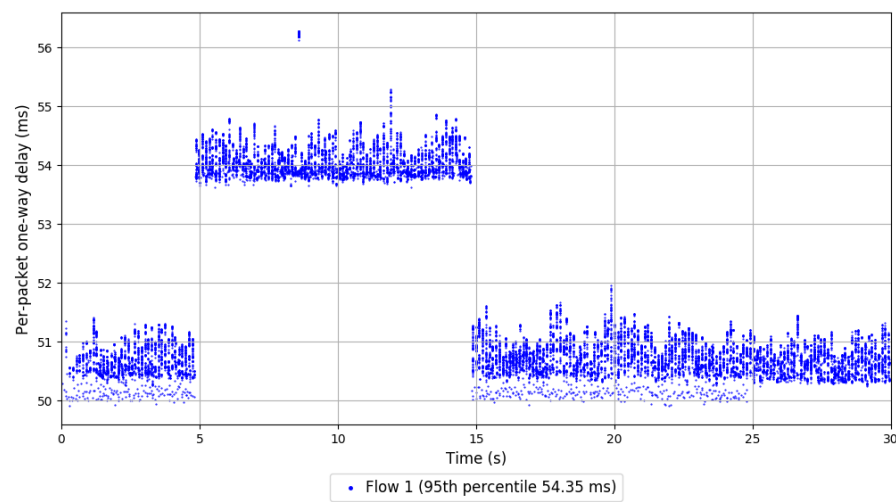
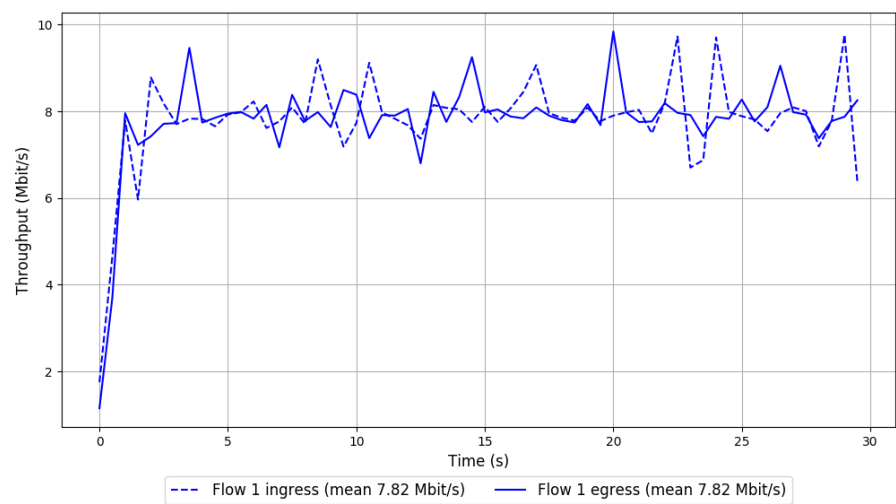
-- Flow 1:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.354 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 14:20:57

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

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 51.402 ms

Loss rate: 0.00%

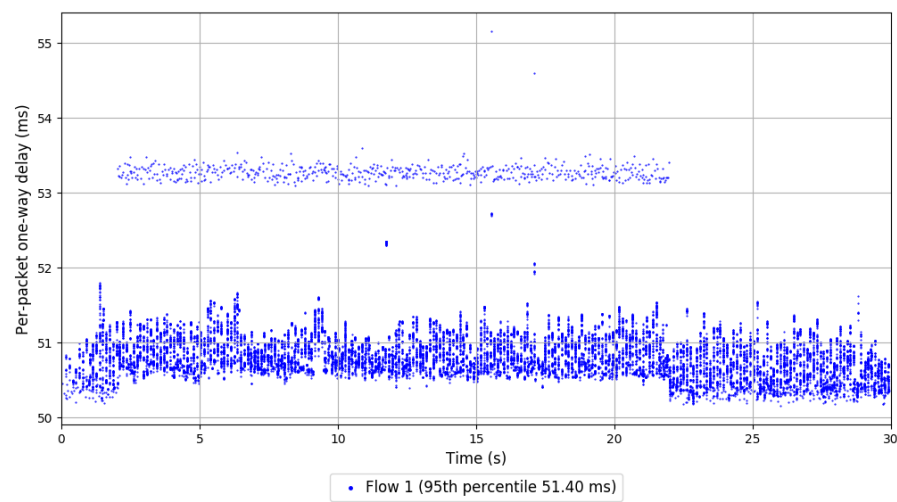
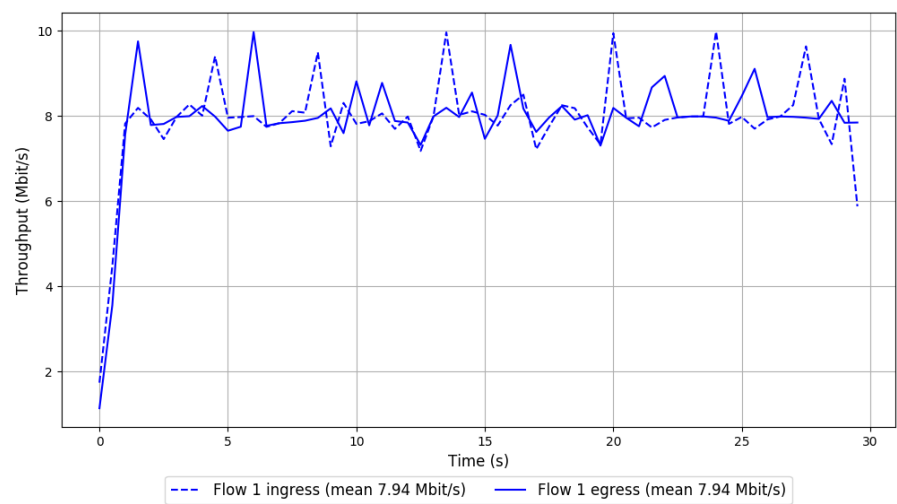
-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 51.402 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 14:34:03

End at: 2018-04-24 14:34:33

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 54.304 ms

Loss rate: 0.00%

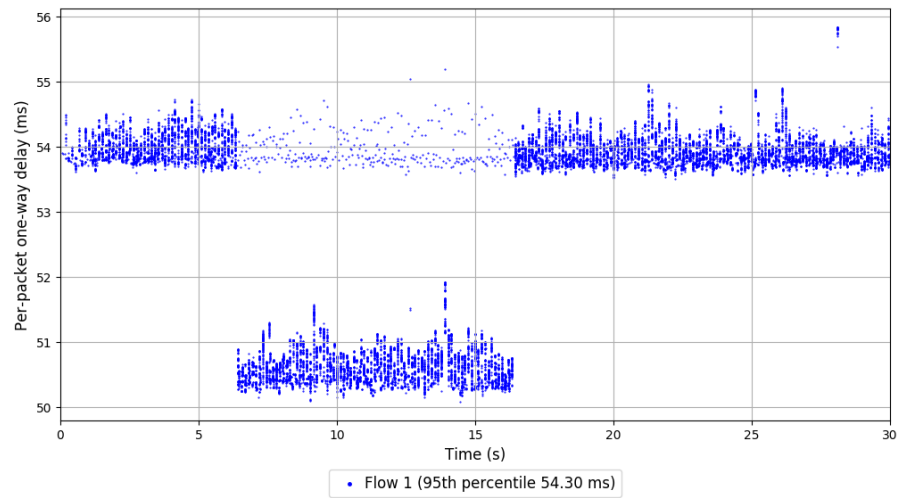
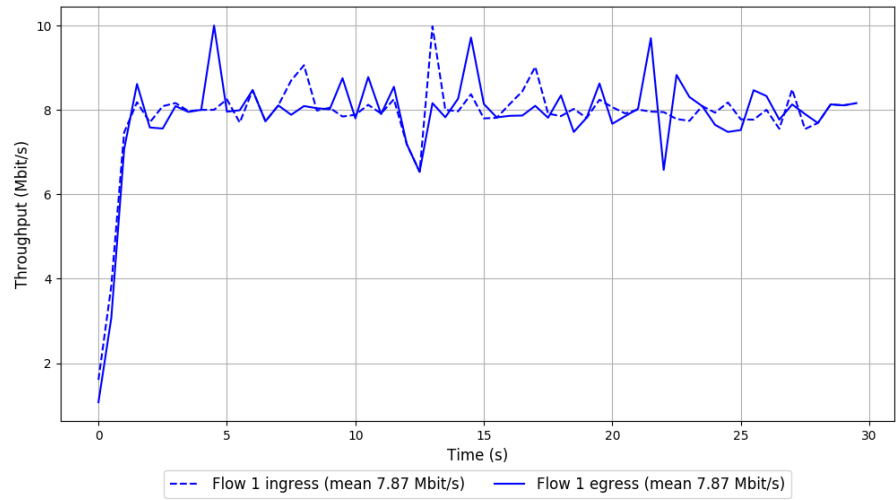
-- Flow 1:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 54.304 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-24 14:46:49

End at: 2018-04-24 14:47:19

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 54.243 ms

Loss rate: 0.00%

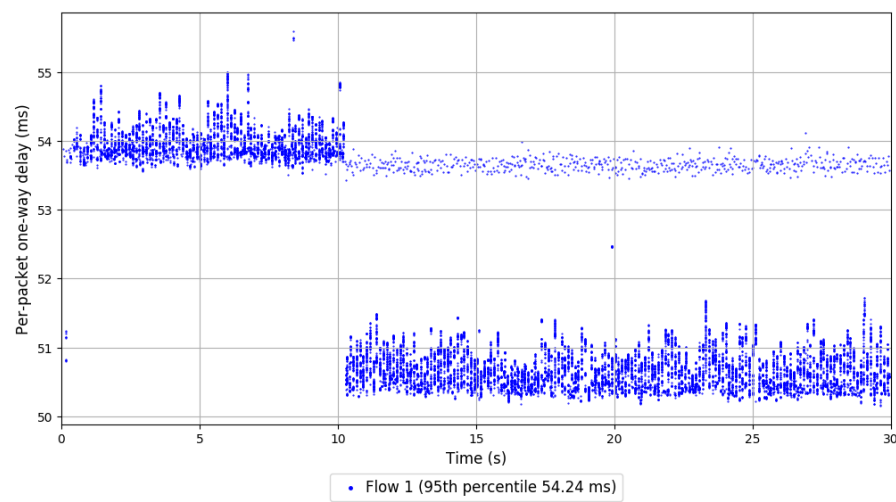
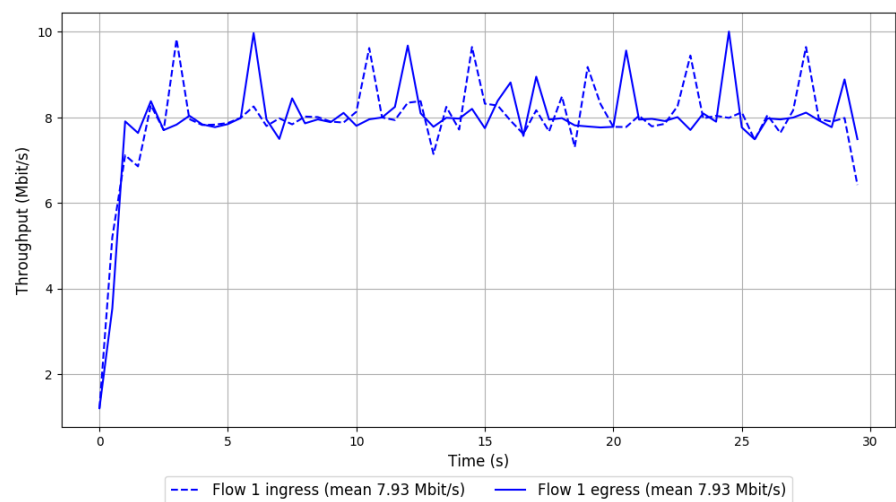
-- Flow 1:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 54.243 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 15:00:07

End at: 2018-04-24 15:00:37

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.68 Mbit/s

95th percentile per-packet one-way delay: 54.431 ms

Loss rate: 0.00%

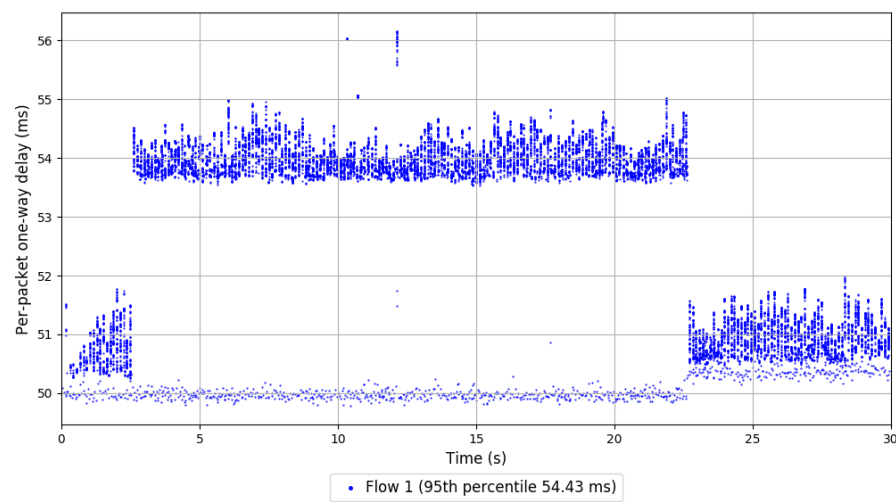
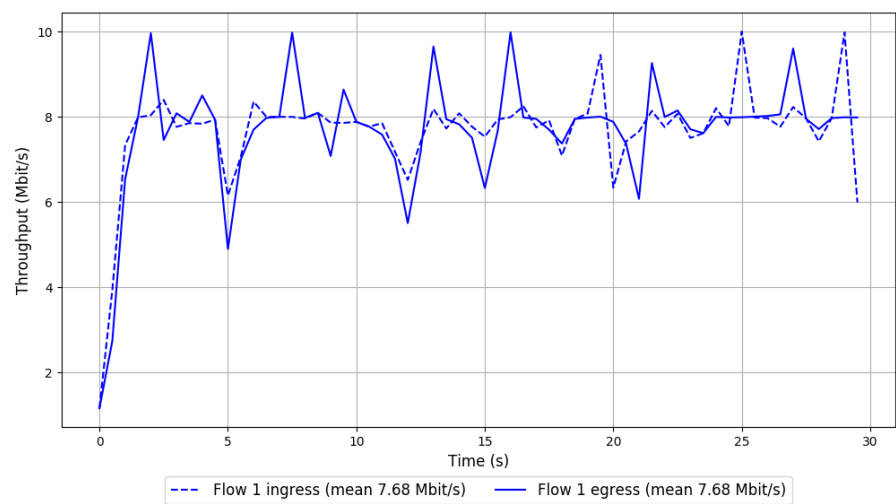
-- Flow 1:

Average throughput: 7.68 Mbit/s

95th percentile per-packet one-way delay: 54.431 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 15:13:21

End at: 2018-04-24 15:13:51

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 51.544 ms

Loss rate: 0.00%

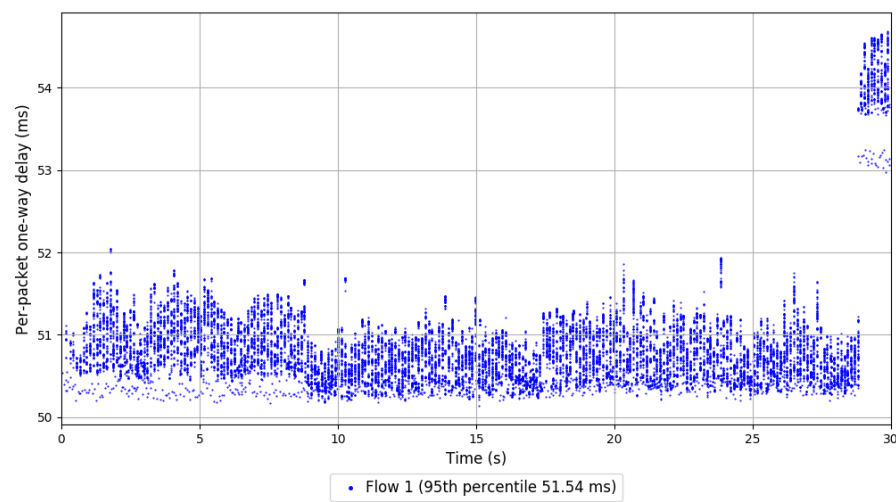
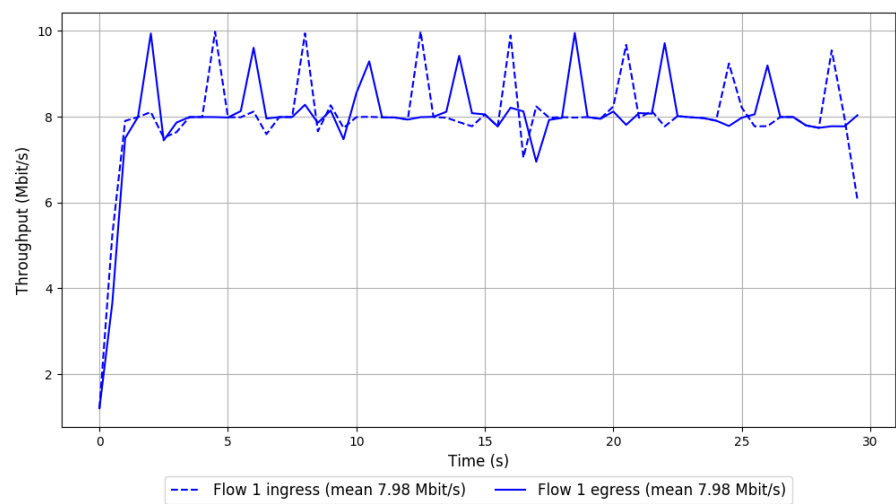
-- Flow 1:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 51.544 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 15:26:09

End at: 2018-04-24 15:26:39

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 54.280 ms

Loss rate: 0.20%

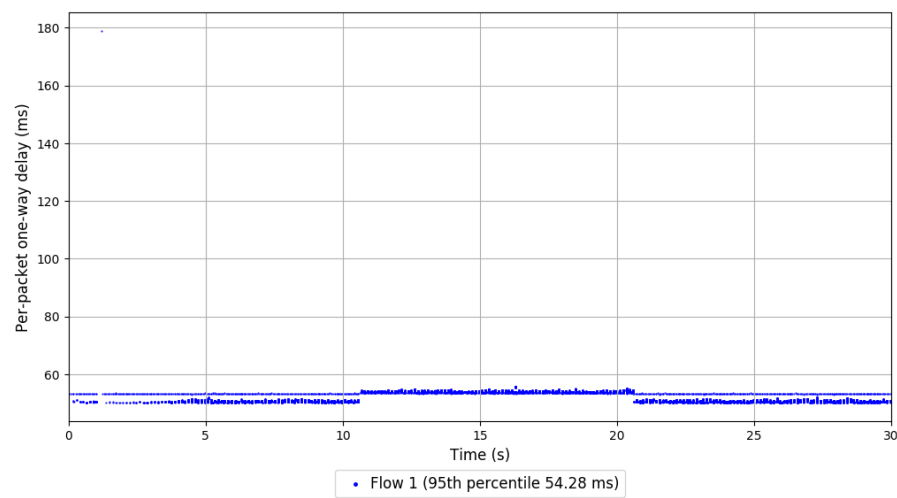
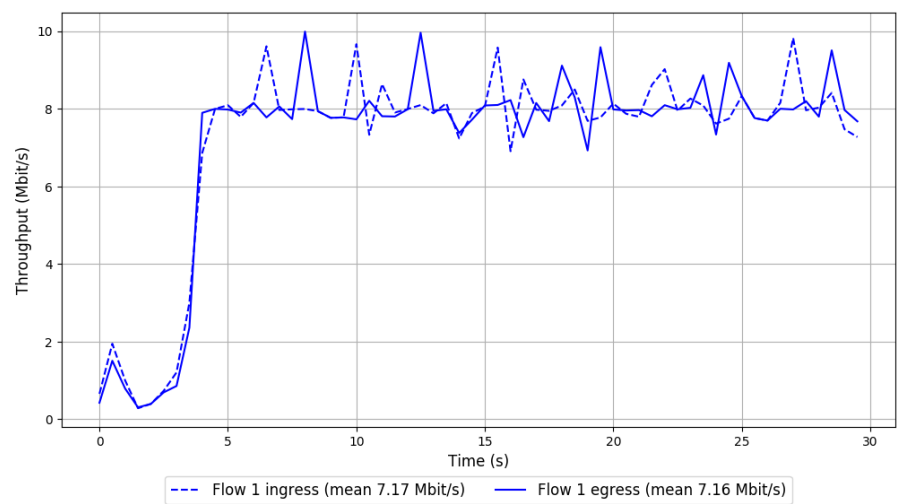
-- Flow 1:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 54.280 ms

Loss rate: 0.20%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 15:39:18

End at: 2018-04-24 15:39:48

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 54.405 ms

Loss rate: 0.00%

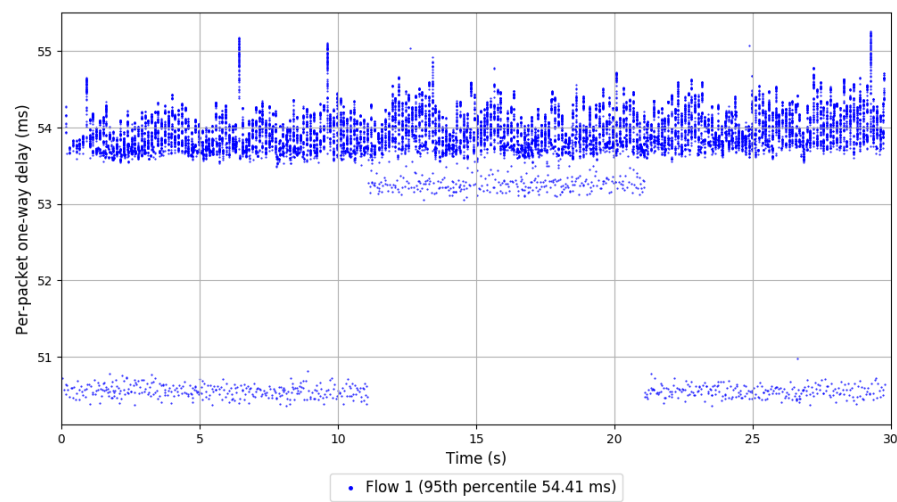
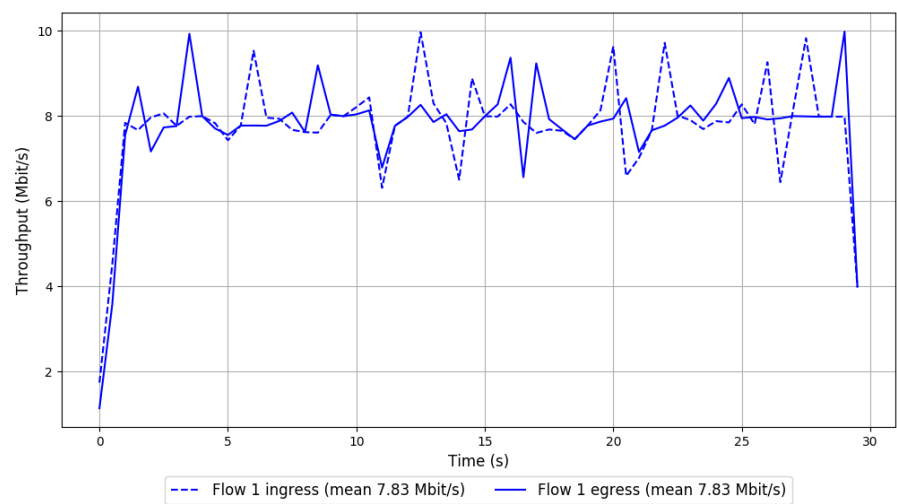
-- Flow 1:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 54.405 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 15:52:11

End at: 2018-04-24 15:52:41

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 54.385 ms

Loss rate: 0.00%

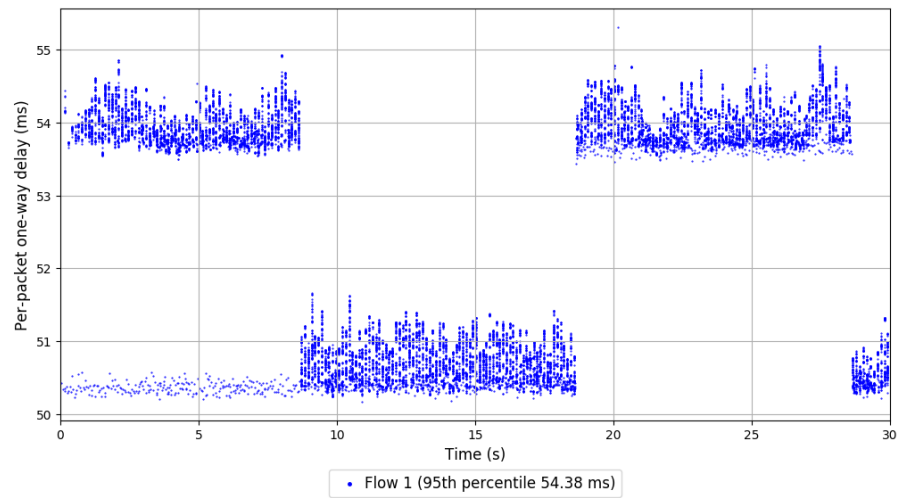
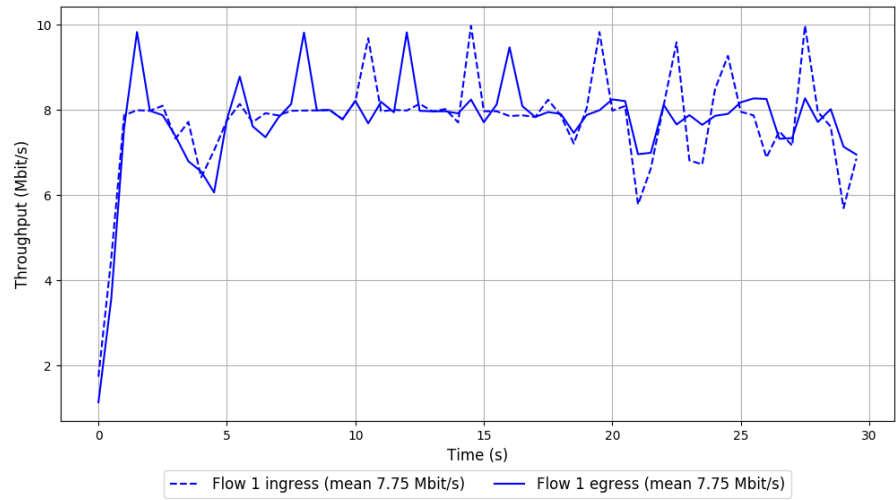
-- Flow 1:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 54.385 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 16:04:59

End at: 2018-04-24 16:05:29

Below is generated by plot.py at 2018-04-24 17:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 54.428 ms

Loss rate: 0.00%

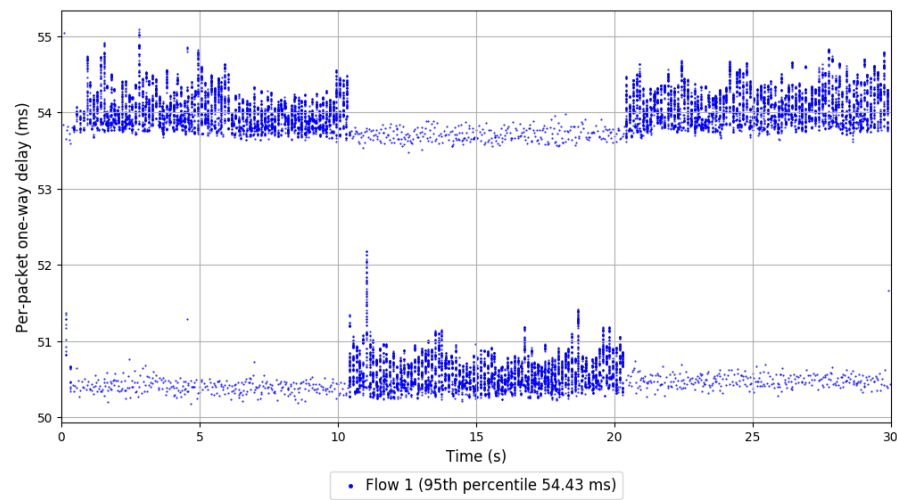
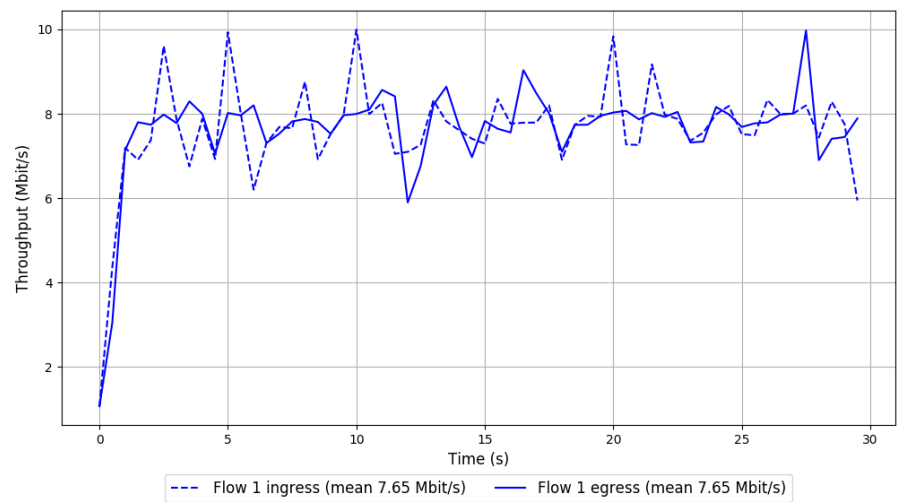
-- Flow 1:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 54.428 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

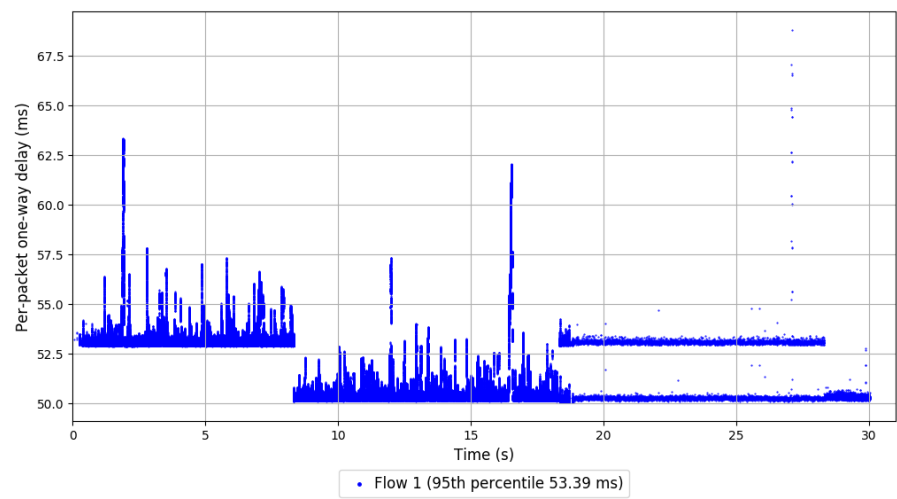
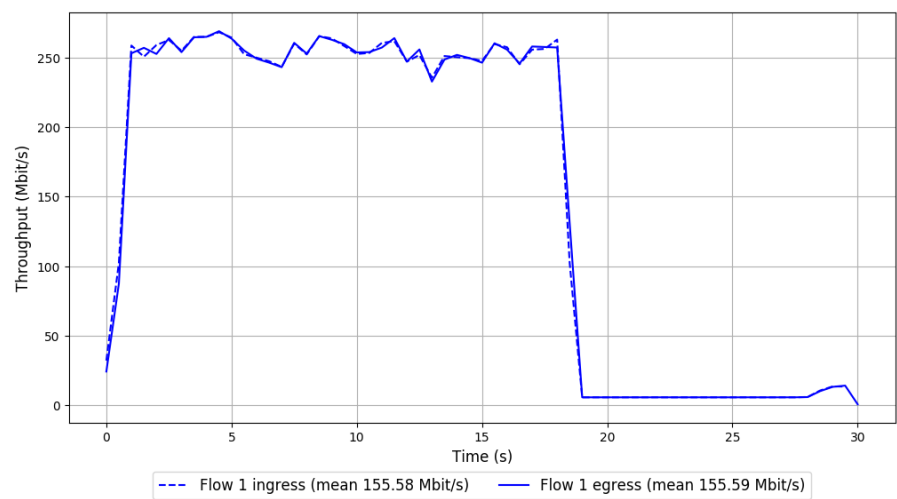


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 14:00:11
End at: 2018-04-24 14:00:41

# Below is generated by plot.py at 2018-04-24 17:48:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.59 Mbit/s
95th percentile per-packet one-way delay: 53.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.59 Mbit/s
95th percentile per-packet one-way delay: 53.391 ms
Loss rate: 0.00%
```

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

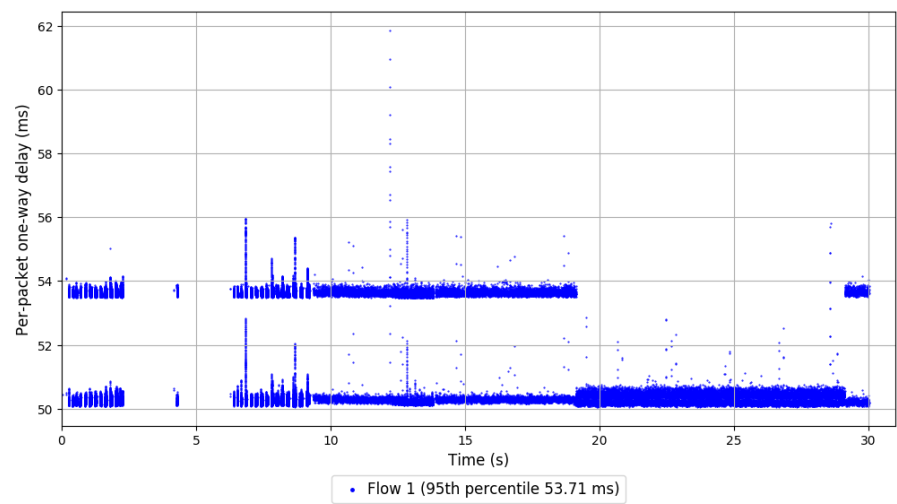
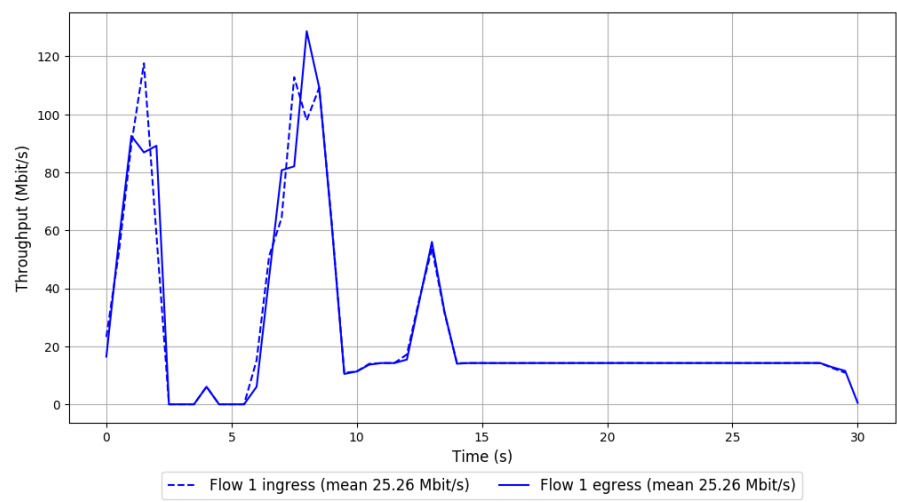


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 14:13:20
End at: 2018-04-24 14:13:50

# Below is generated by plot.py at 2018-04-24 17:48:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 53.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 53.709 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 14:26:09

End at: 2018-04-24 14:26:39

Below is generated by plot.py at 2018-04-24 17:49:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.18 Mbit/s

95th percentile per-packet one-way delay: 50.944 ms

Loss rate: 0.00%

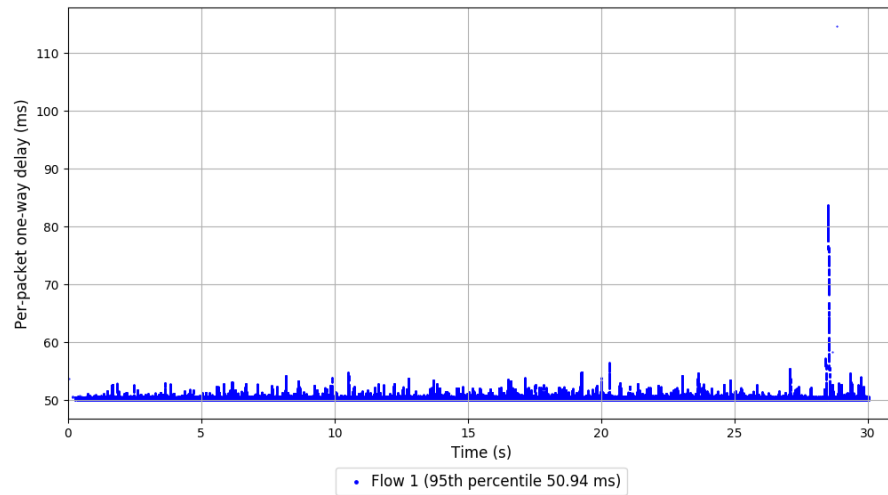
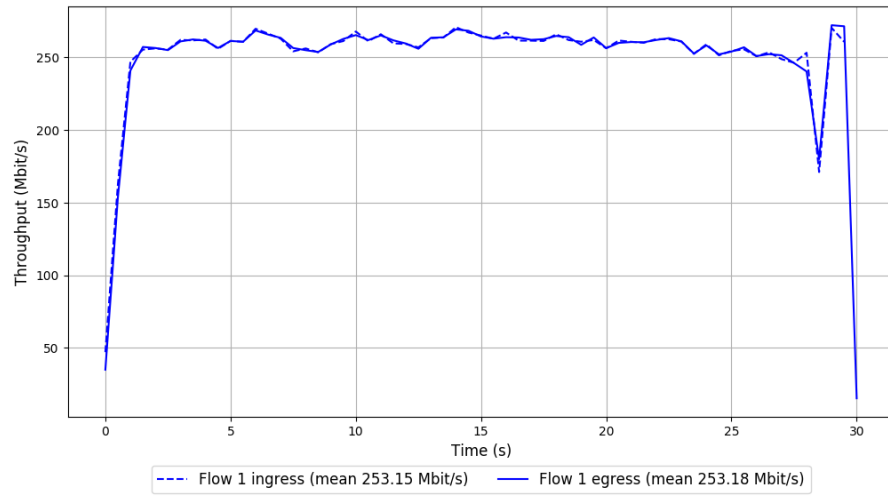
-- Flow 1:

Average throughput: 253.18 Mbit/s

95th percentile per-packet one-way delay: 50.944 ms

Loss rate: 0.00%

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

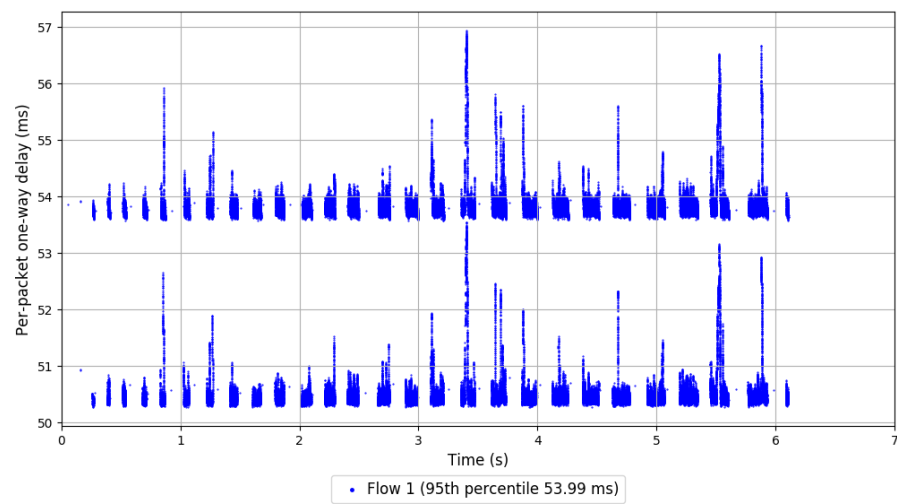
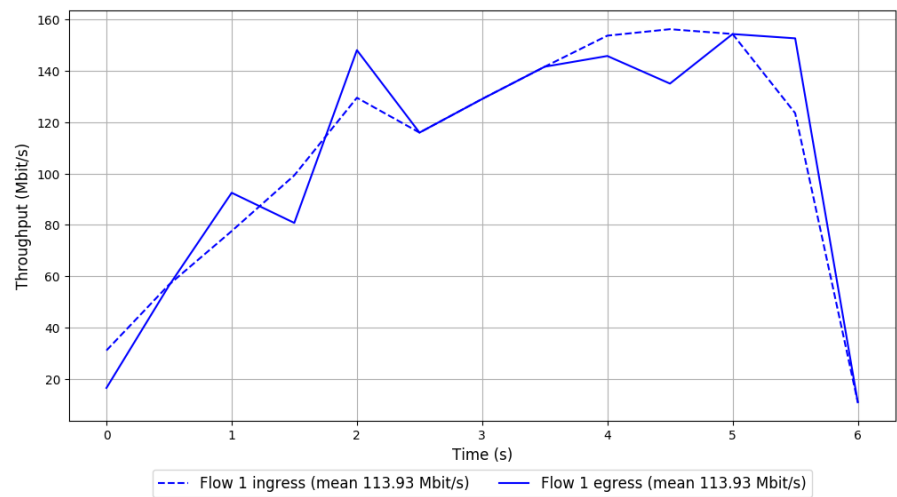


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 14:39:15

End at: 2018-04-24 14:39:45

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

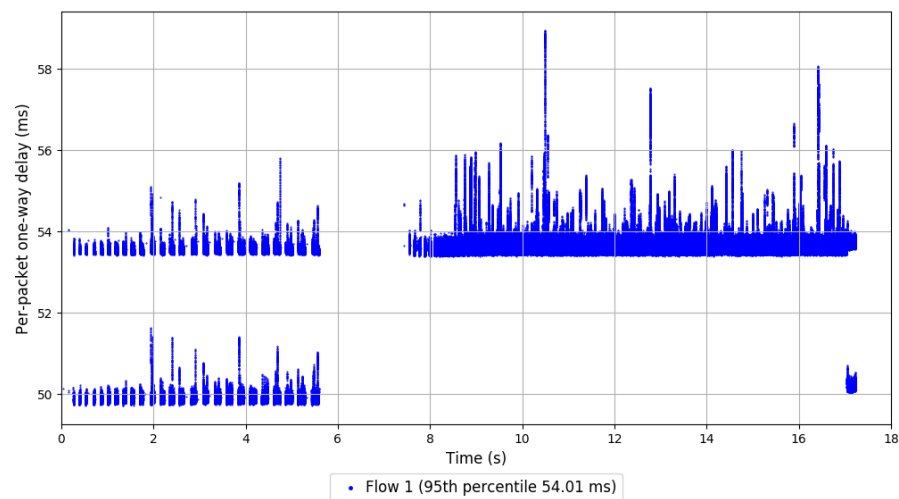
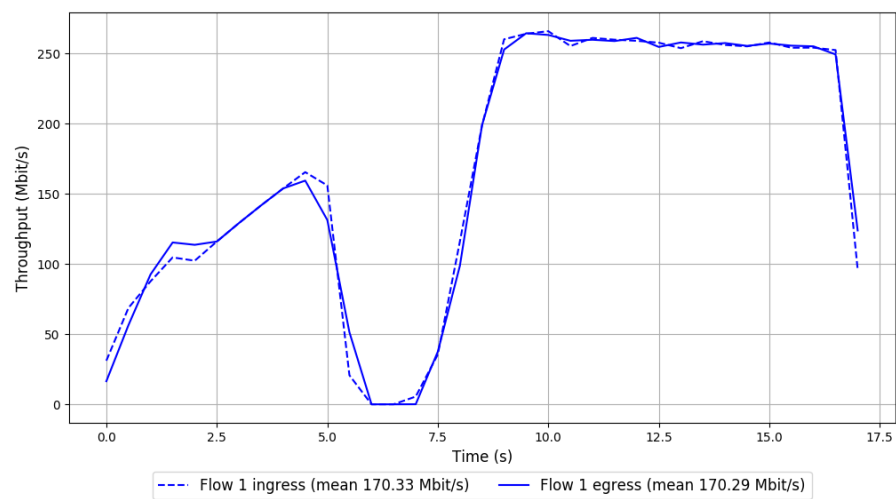


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 14:52:22

End at: 2018-04-24 14:52:52

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 15:05:23

End at: 2018-04-24 15:05:53

Below is generated by plot.py at 2018-04-24 17:49:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.59 Mbit/s

95th percentile per-packet one-way delay: 53.886 ms

Loss rate: 0.00%

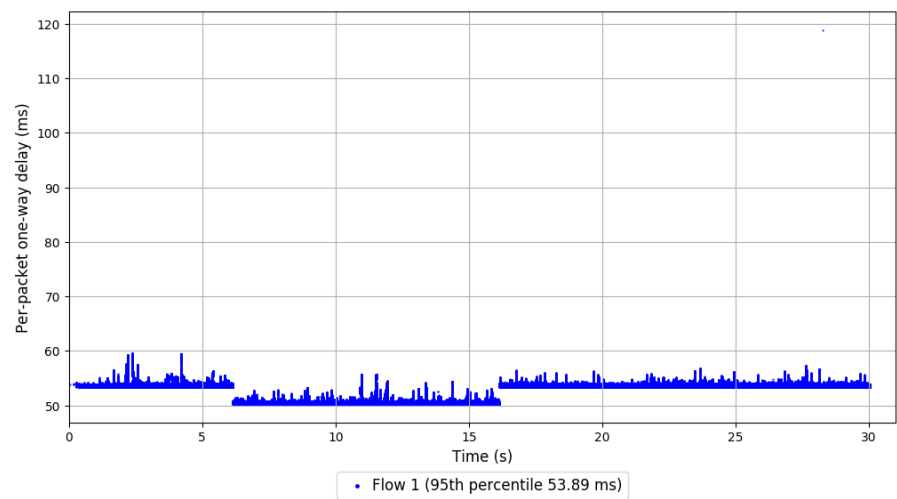
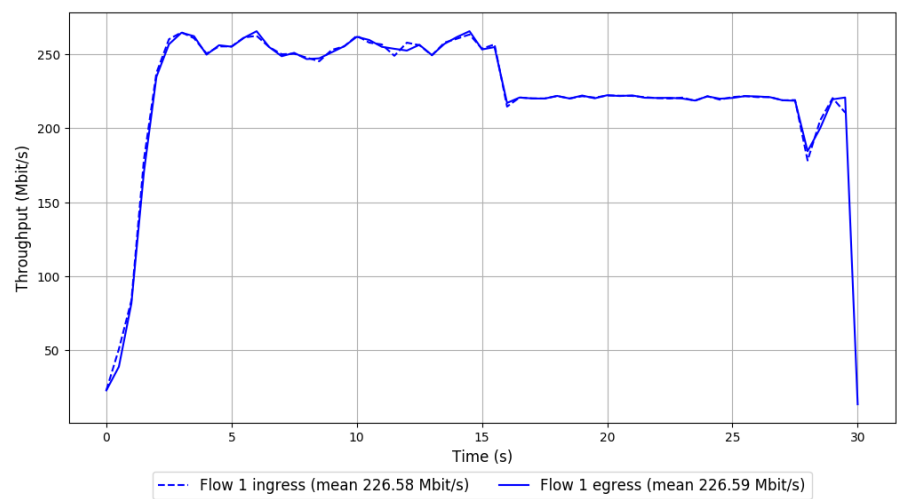
-- Flow 1:

Average throughput: 226.59 Mbit/s

95th percentile per-packet one-way delay: 53.886 ms

Loss rate: 0.00%

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

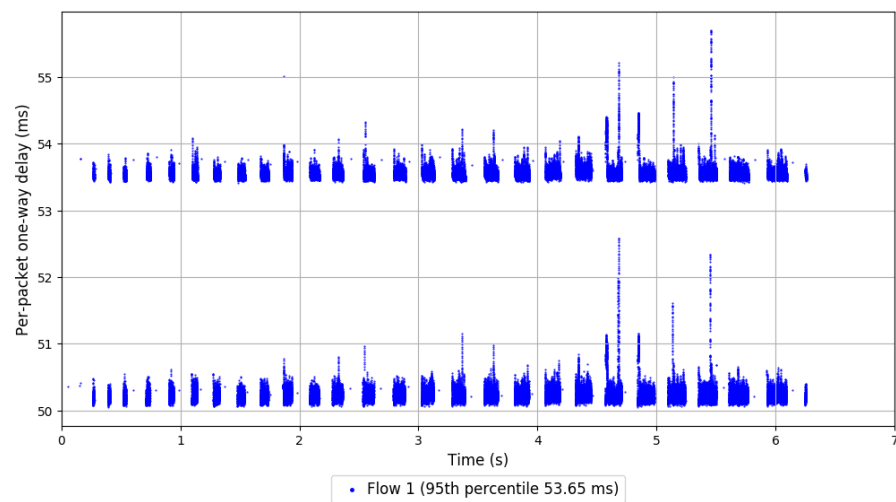
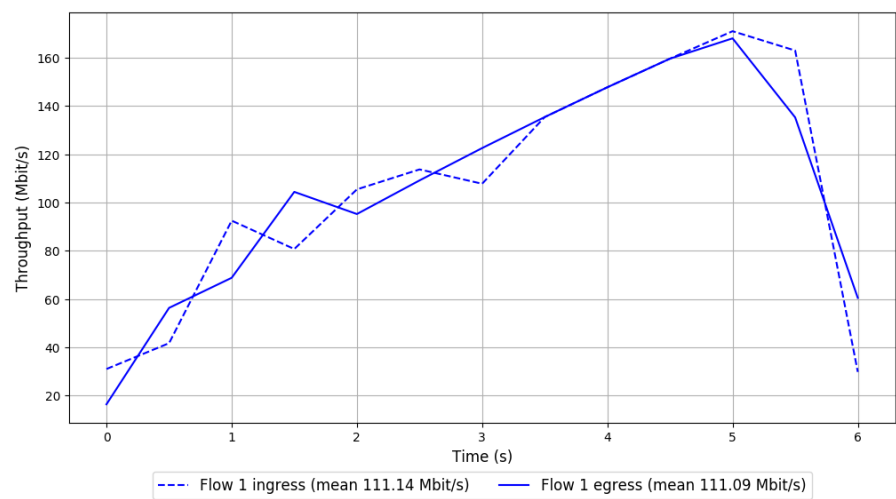


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 15:18:33

End at: 2018-04-24 15:19:03

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 15:31:17

End at: 2018-04-24 15:31:48

Below is generated by plot.py at 2018-04-24 17:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.10 Mbit/s

95th percentile per-packet one-way delay: 53.897 ms

Loss rate: 0.00%

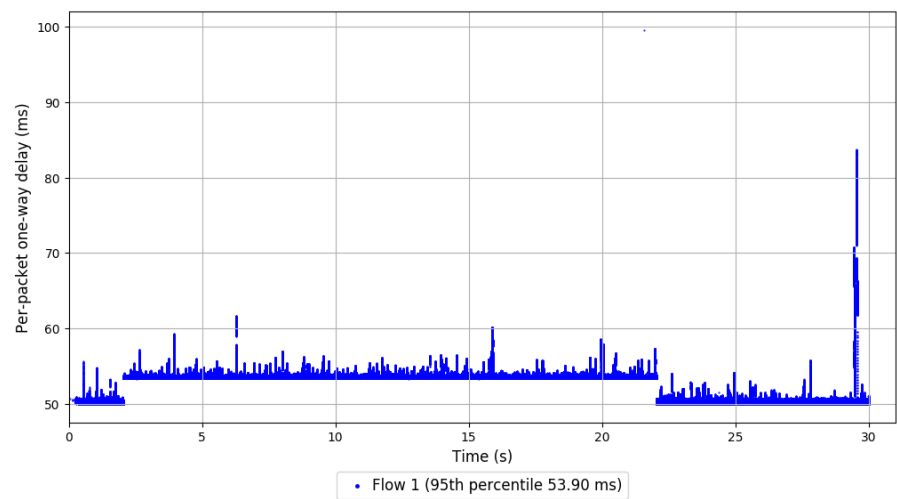
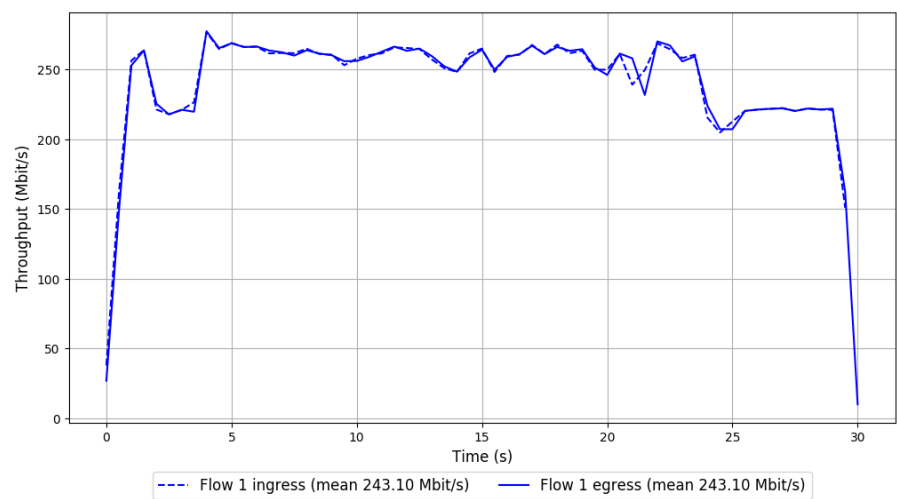
-- Flow 1:

Average throughput: 243.10 Mbit/s

95th percentile per-packet one-way delay: 53.897 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 15:44:25

End at: 2018-04-24 15:44:55

Below is generated by plot.py at 2018-04-24 17:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 53.538 ms

Loss rate: 0.00%

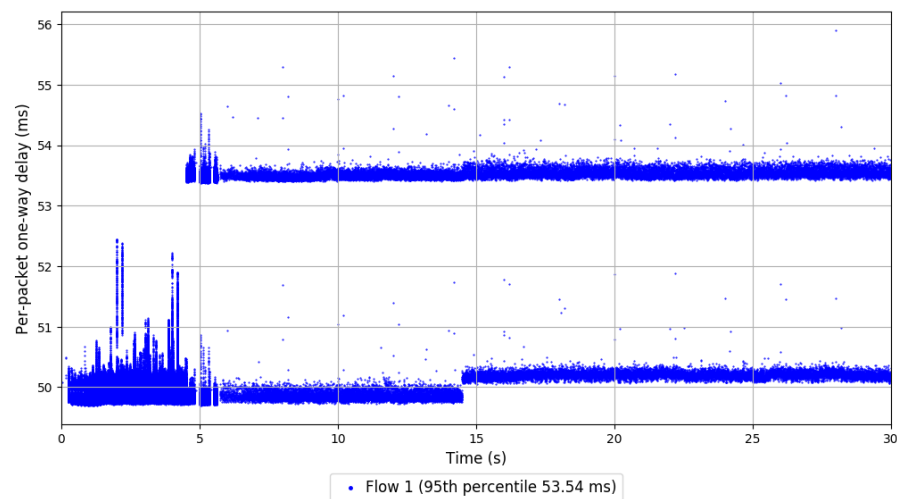
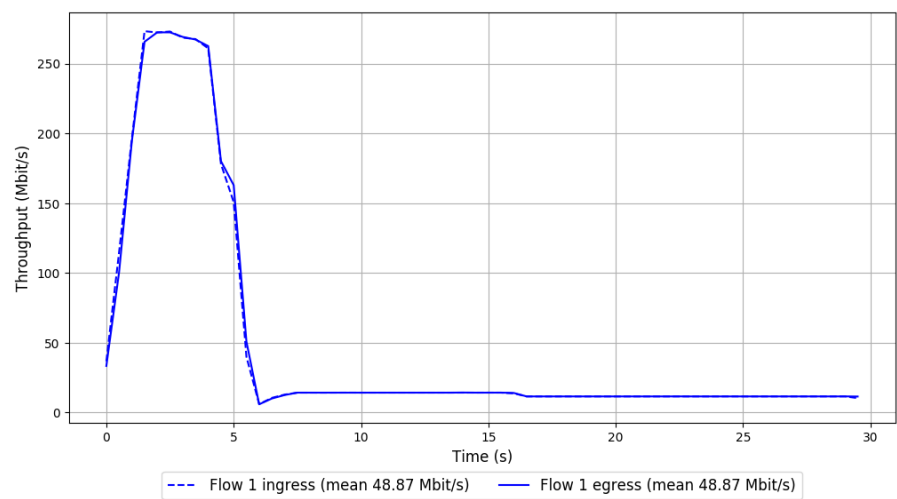
-- Flow 1:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 53.538 ms

Loss rate: 0.00%

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

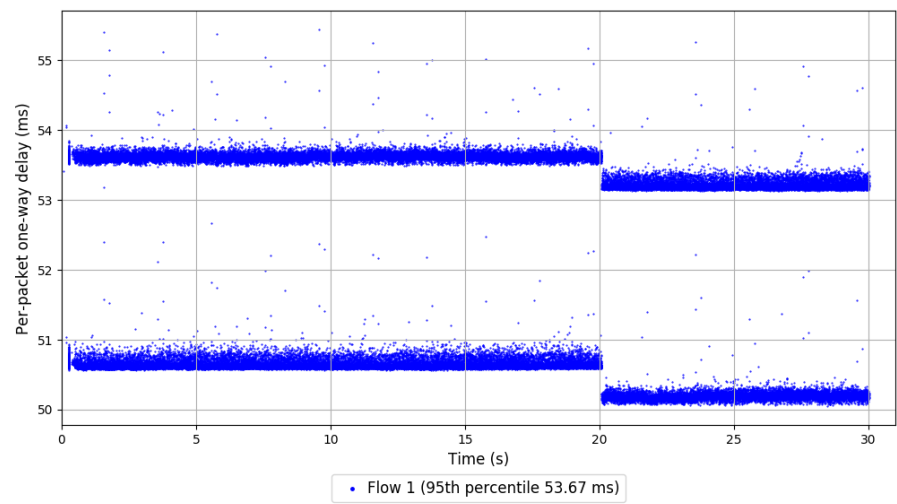
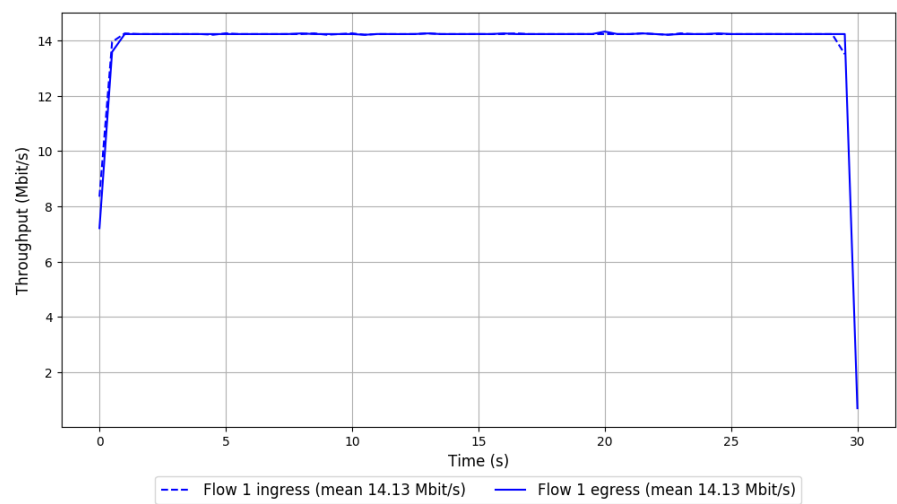


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 15:57:19
End at: 2018-04-24 15:57:49

# Below is generated by plot.py at 2018-04-24 17:50:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 53.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 53.669 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 14:08:42

End at: 2018-04-24 14:09:12

Below is generated by plot.py at 2018-04-24 17:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.39 Mbit/s

95th percentile per-packet one-way delay: 60.766 ms

Loss rate: 0.00%

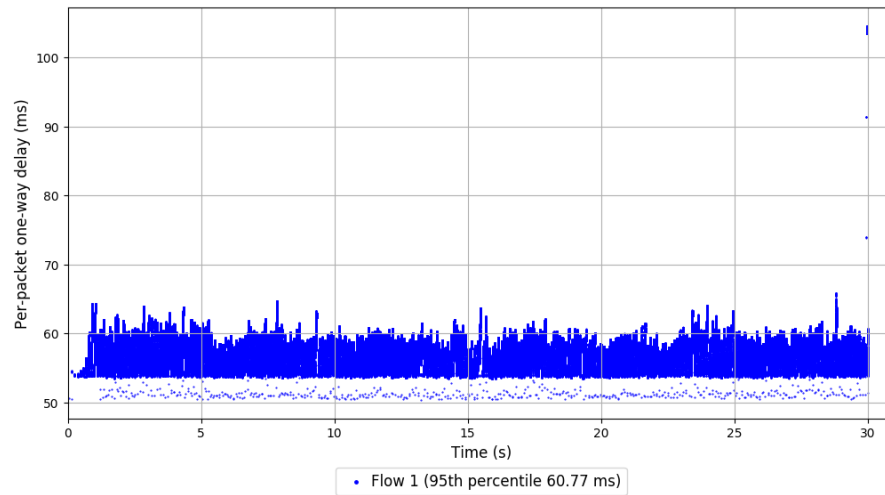
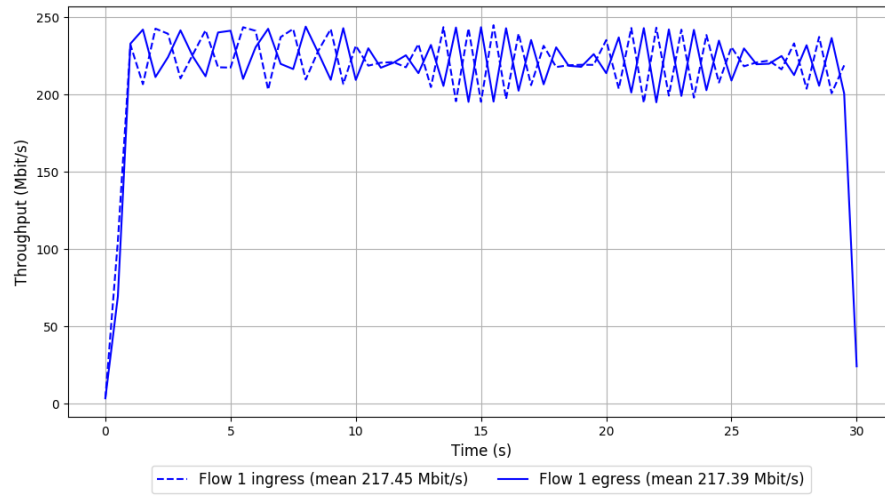
-- Flow 1:

Average throughput: 217.39 Mbit/s

95th percentile per-packet one-way delay: 60.766 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 14:21:35

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

Below is generated by plot.py at 2018-04-24 17:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 54.204 ms

Loss rate: 0.00%

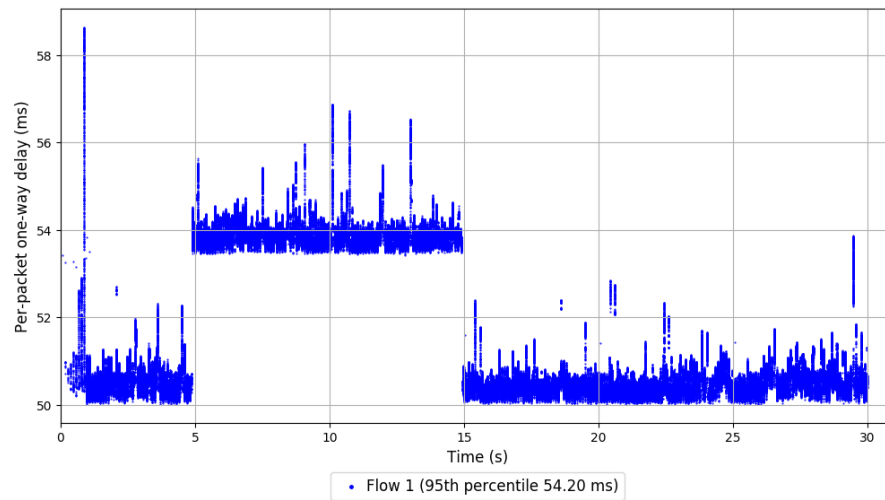
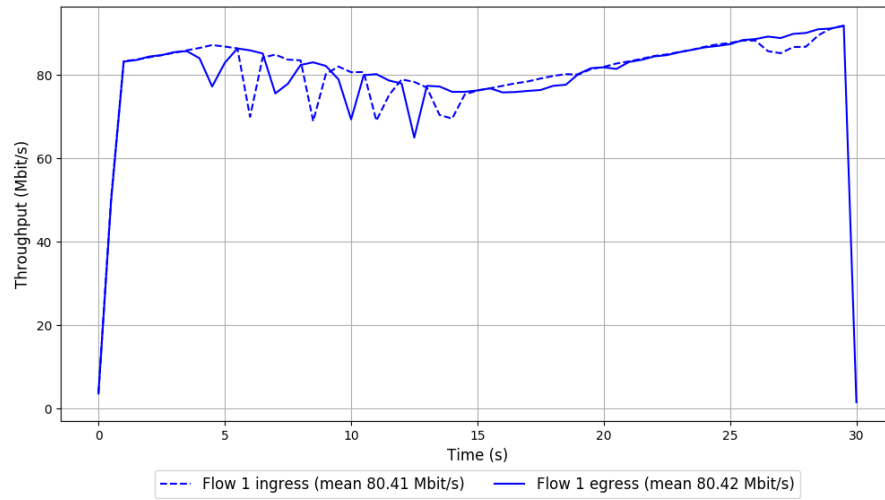
-- Flow 1:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 54.204 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 14:34:40

End at: 2018-04-24 14:35:10

Below is generated by plot.py at 2018-04-24 17:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.67 Mbit/s

95th percentile per-packet one-way delay: 54.017 ms

Loss rate: 0.00%

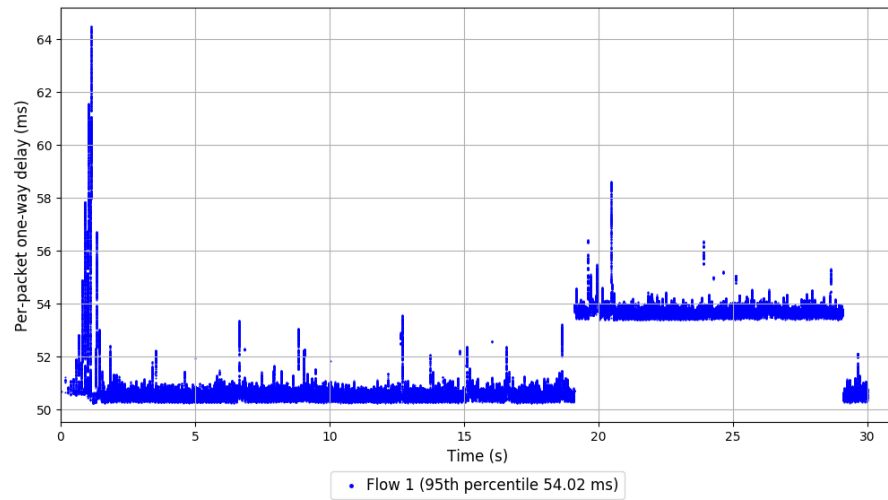
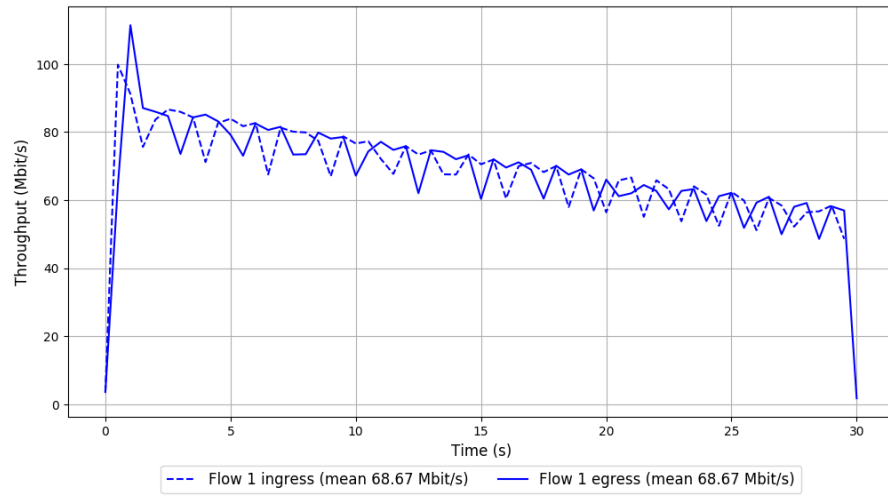
-- Flow 1:

Average throughput: 68.67 Mbit/s

95th percentile per-packet one-way delay: 54.017 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 14:47:26

End at: 2018-04-24 14:47:56

Below is generated by plot.py at 2018-04-24 17:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.74 Mbit/s

95th percentile per-packet one-way delay: 54.196 ms

Loss rate: 0.00%

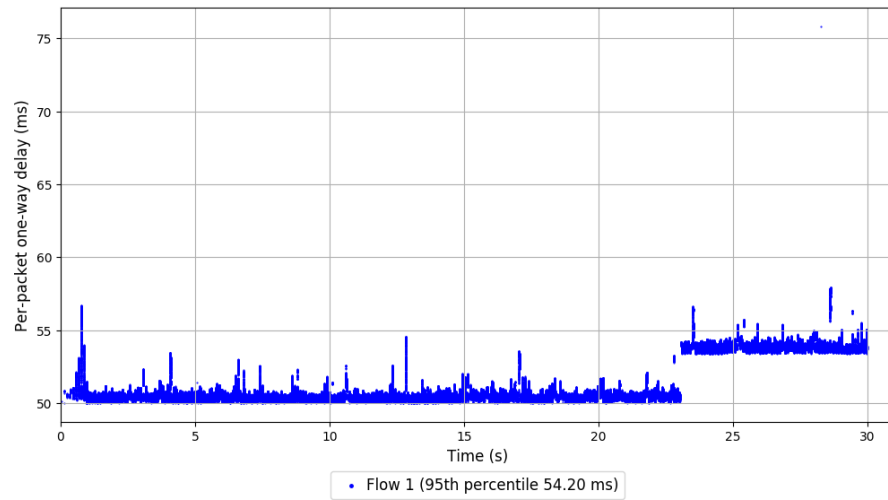
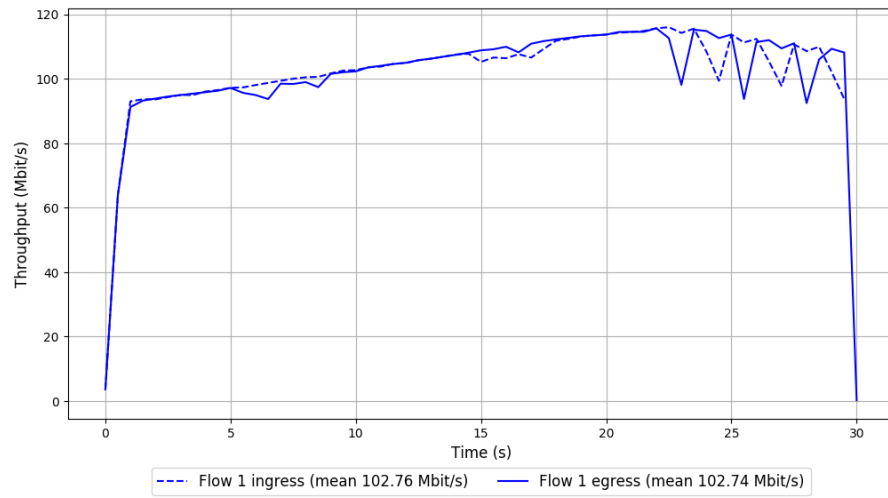
-- Flow 1:

Average throughput: 102.74 Mbit/s

95th percentile per-packet one-way delay: 54.196 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 15:00:44

End at: 2018-04-24 15:01:14

Below is generated by plot.py at 2018-04-24 17:51:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.26 Mbit/s

95th percentile per-packet one-way delay: 57.353 ms

Loss rate: 0.00%

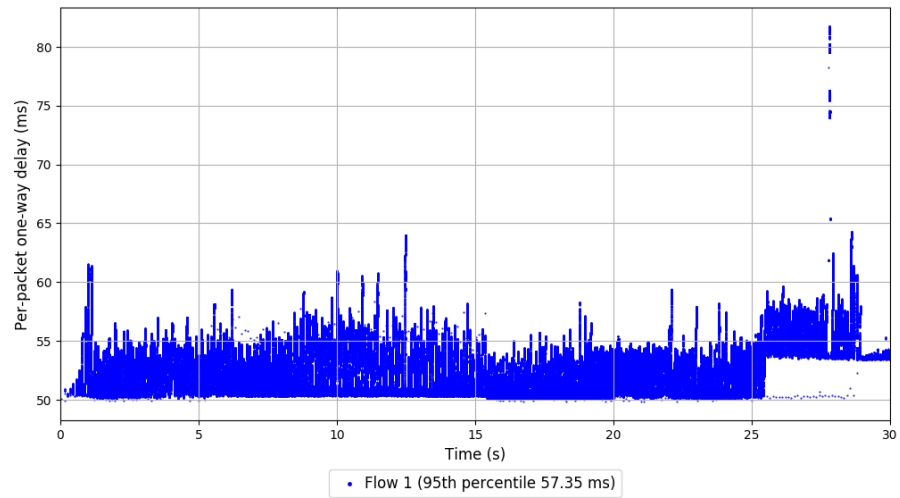
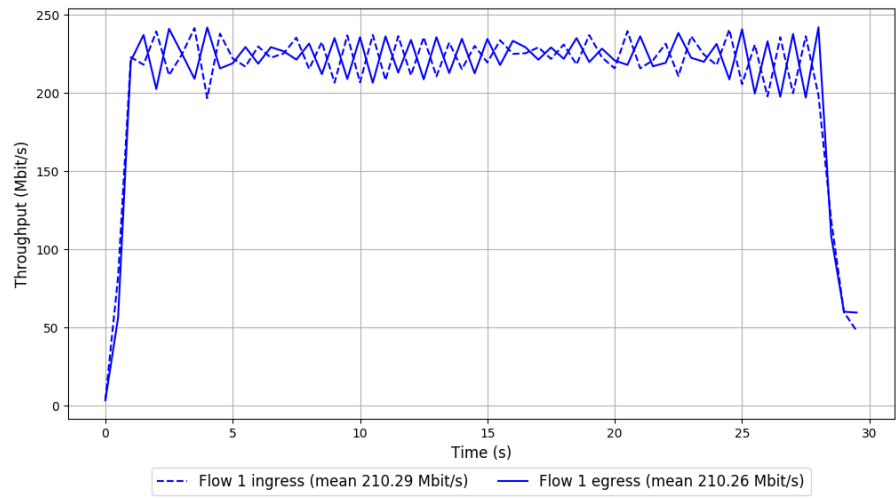
-- Flow 1:

Average throughput: 210.26 Mbit/s

95th percentile per-packet one-way delay: 57.353 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 15:13:58

End at: 2018-04-24 15:14:28

Below is generated by plot.py at 2018-04-24 17:51:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 54.724 ms

Loss rate: 0.00%

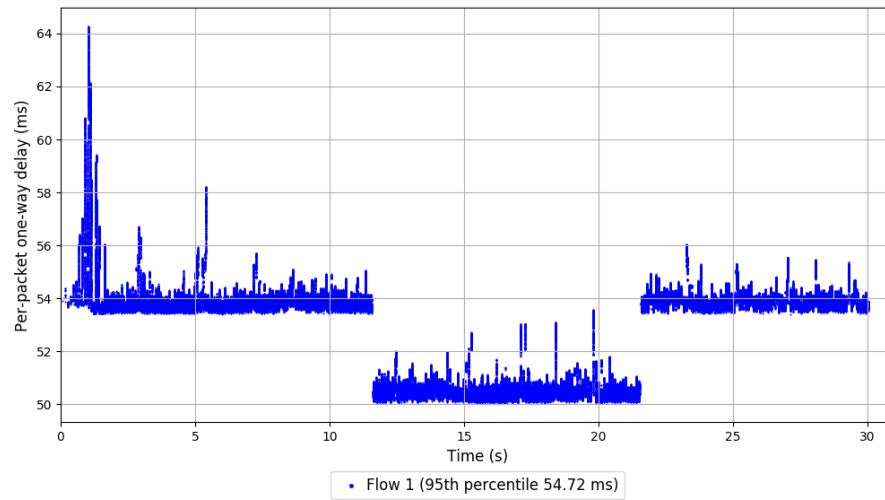
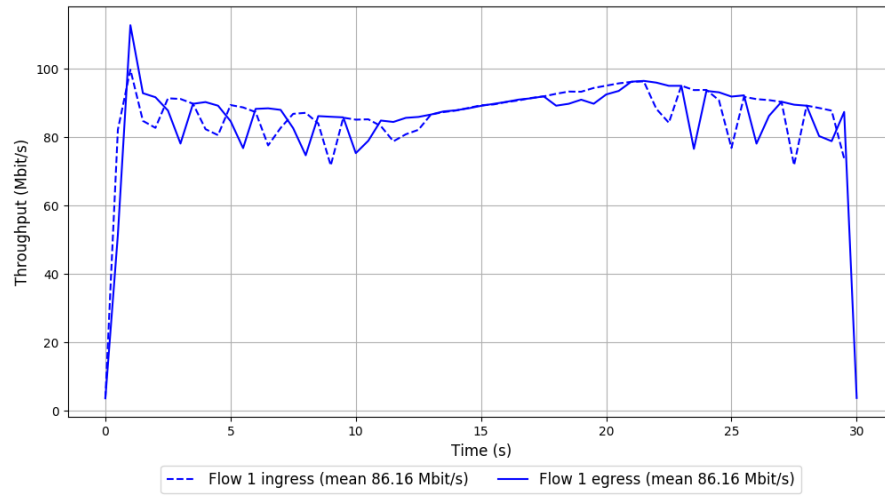
-- Flow 1:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 54.724 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 15:26:46

End at: 2018-04-24 15:27:16

Below is generated by plot.py at 2018-04-24 17:51:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.33 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 0.00%

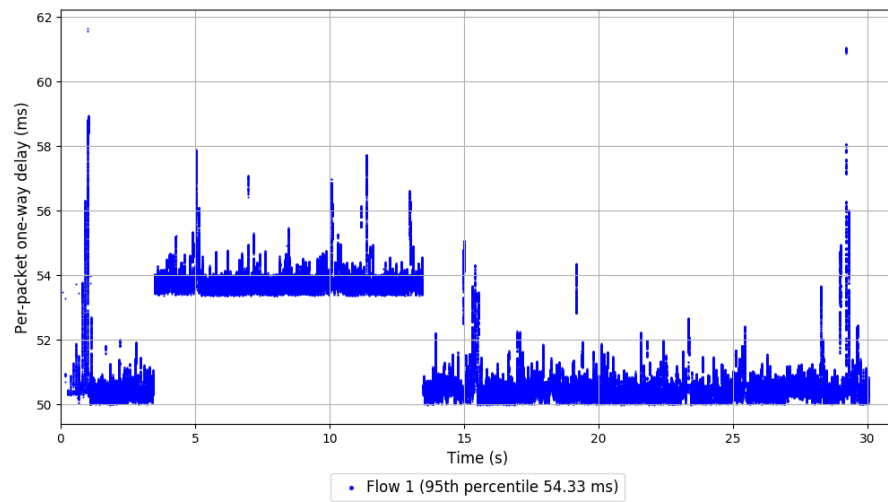
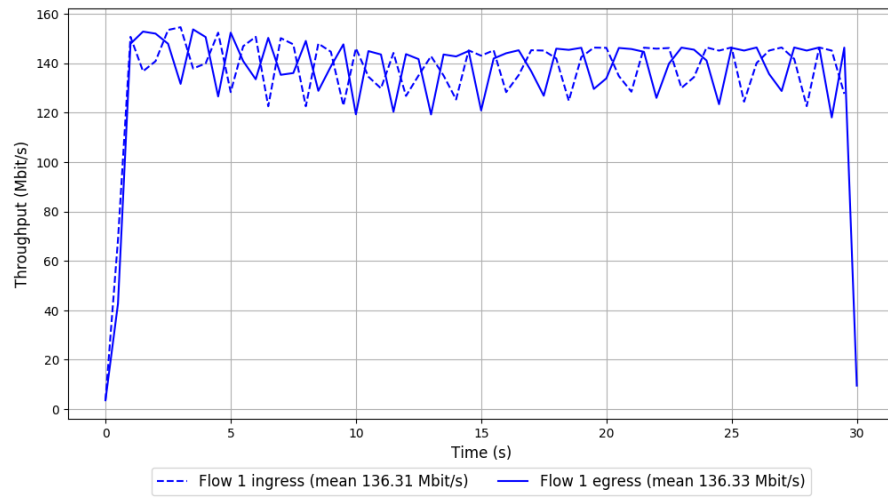
-- Flow 1:

Average throughput: 136.33 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 15:39:56

End at: 2018-04-24 15:40:26

Below is generated by plot.py at 2018-04-24 17:51:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.26 Mbit/s

95th percentile per-packet one-way delay: 54.734 ms

Loss rate: 0.00%

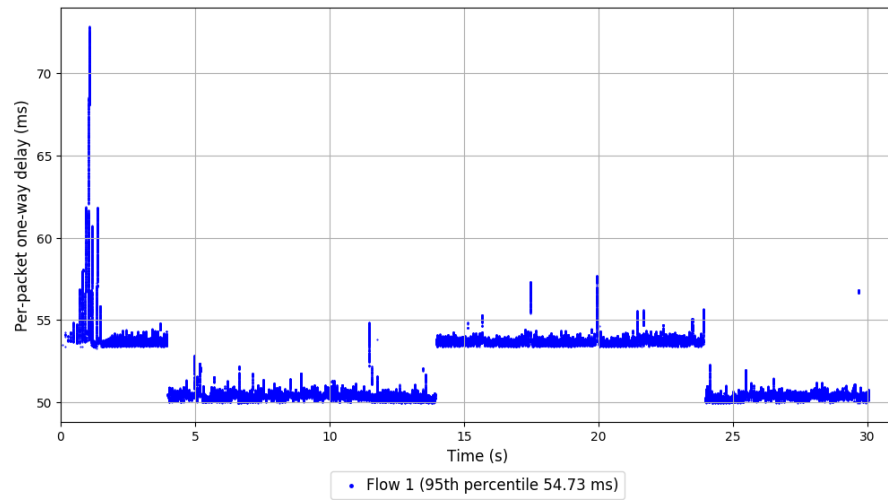
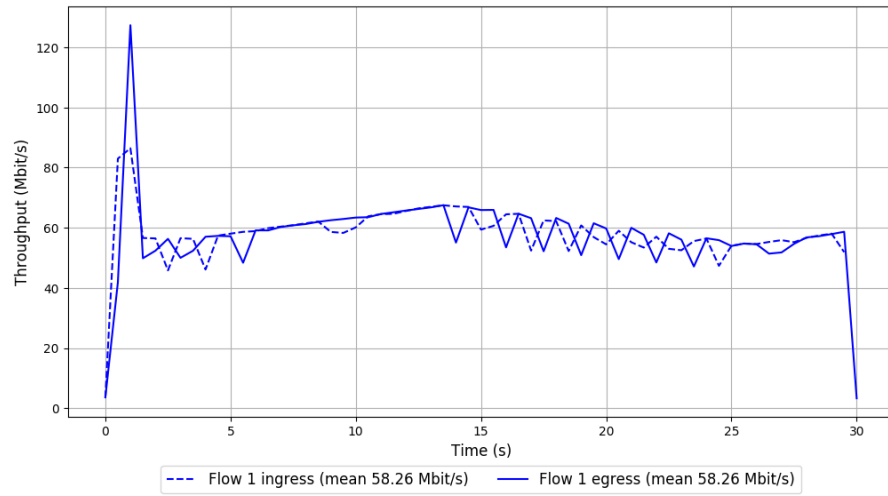
-- Flow 1:

Average throughput: 58.26 Mbit/s

95th percentile per-packet one-way delay: 54.734 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 15:52:48

End at: 2018-04-24 15:53:18

Below is generated by plot.py at 2018-04-24 17:51:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.79 Mbit/s

95th percentile per-packet one-way delay: 54.740 ms

Loss rate: 0.00%

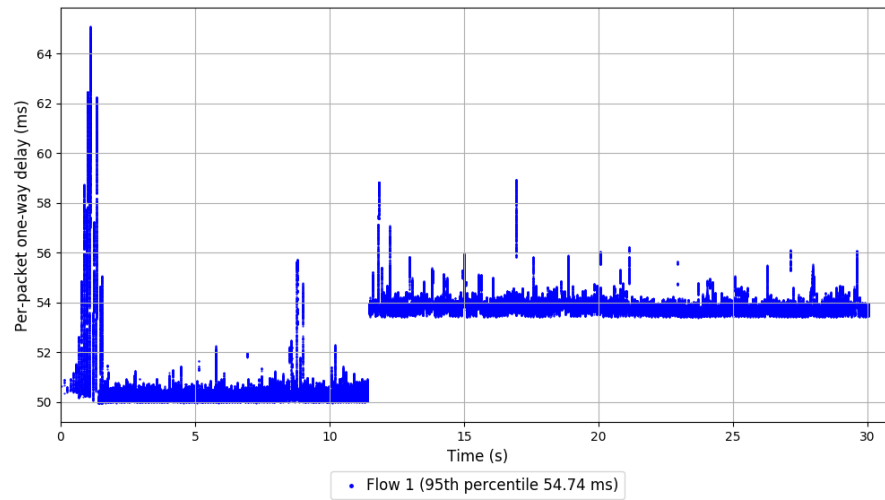
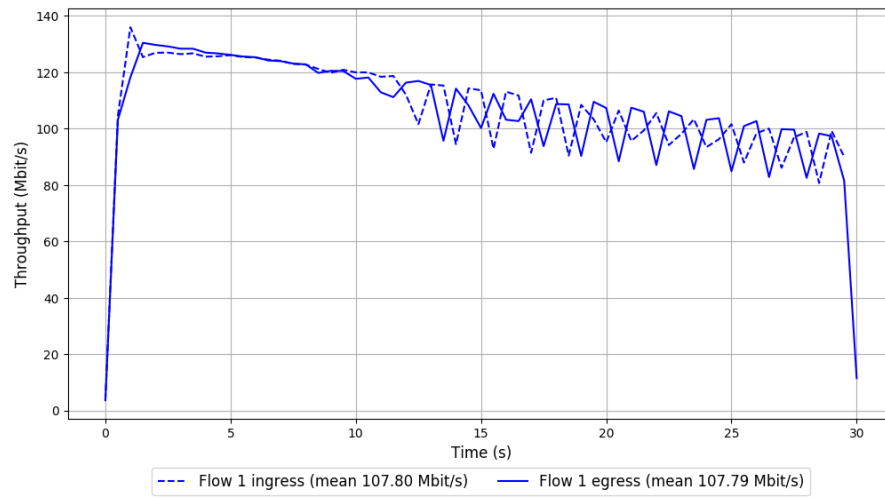
-- Flow 1:

Average throughput: 107.79 Mbit/s

95th percentile per-packet one-way delay: 54.740 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 16:05:36

End at: 2018-04-24 16:06:06

Below is generated by plot.py at 2018-04-24 17:51:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 54.868 ms

Loss rate: 0.00%

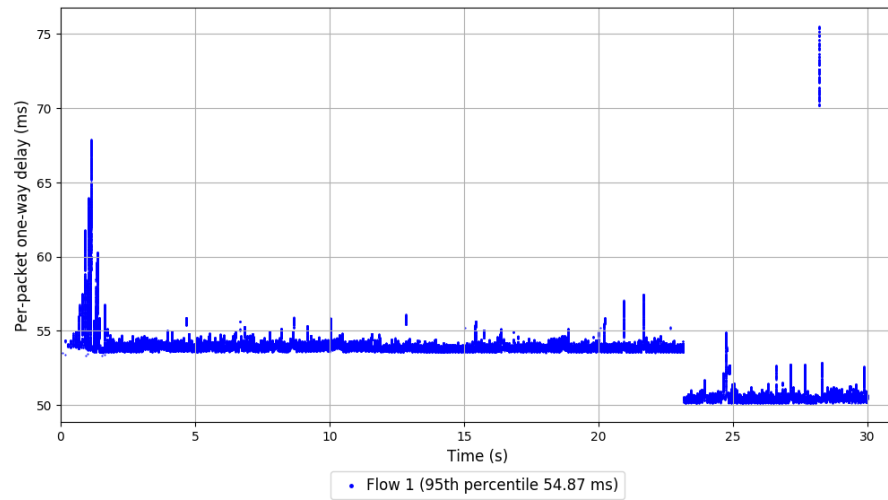
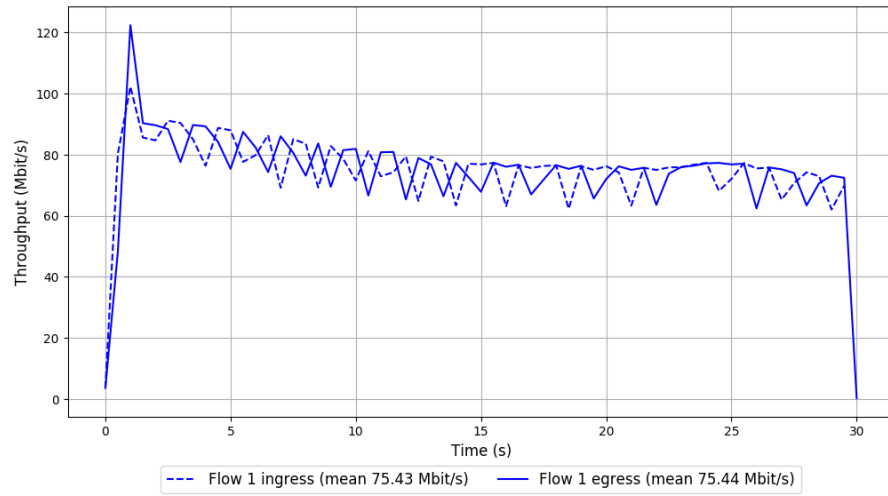
-- Flow 1:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 54.868 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-24 14:05:49

End at: 2018-04-24 14:06:19

Below is generated by plot.py at 2018-04-24 17:53:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.29 Mbit/s

95th percentile per-packet one-way delay: 103.831 ms

Loss rate: 1.03%

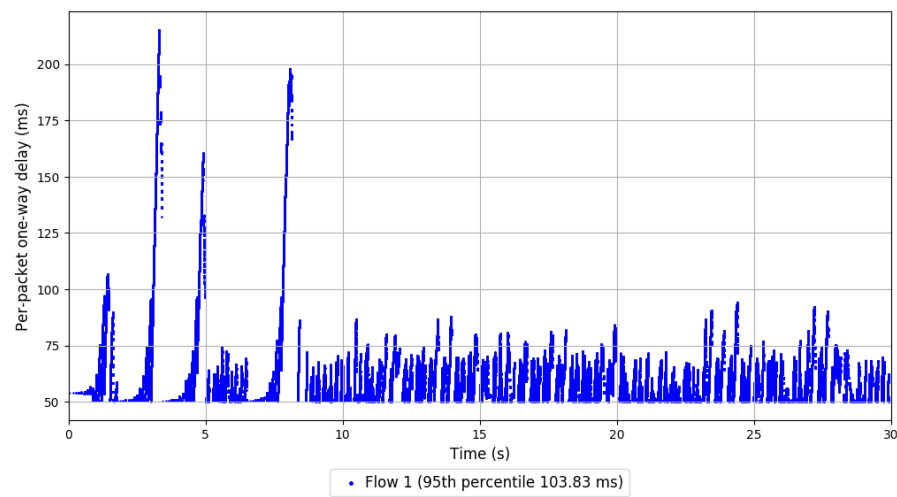
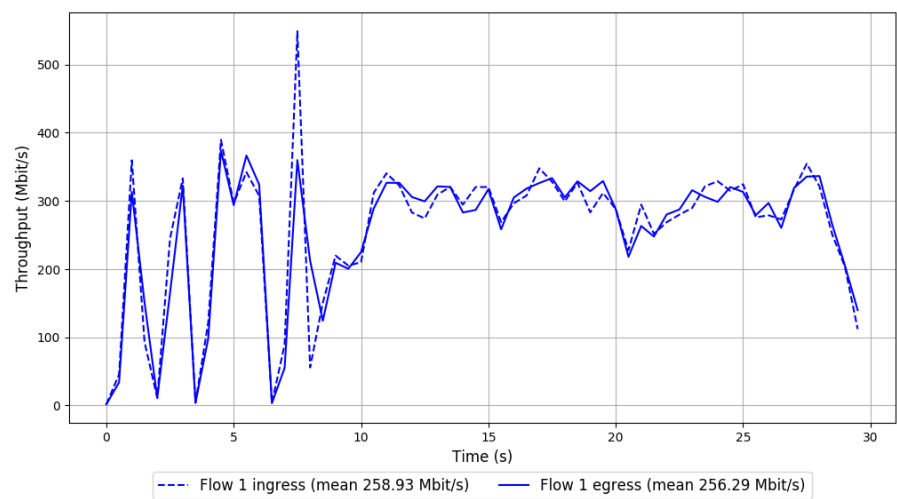
-- Flow 1:

Average throughput: 256.29 Mbit/s

95th percentile per-packet one-way delay: 103.831 ms

Loss rate: 1.03%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 14:18:47

End at: 2018-04-24 14:19:17

Below is generated by plot.py at 2018-04-24 17:53:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.49 Mbit/s

95th percentile per-packet one-way delay: 79.277 ms

Loss rate: 0.48%

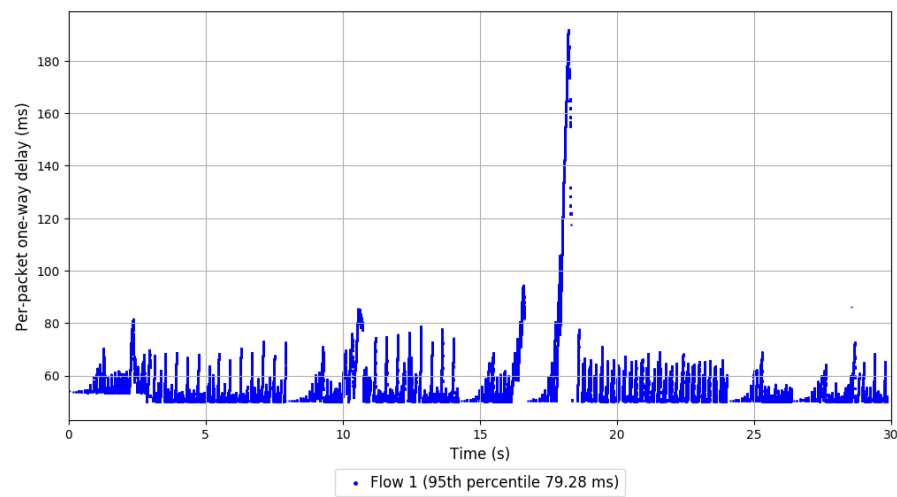
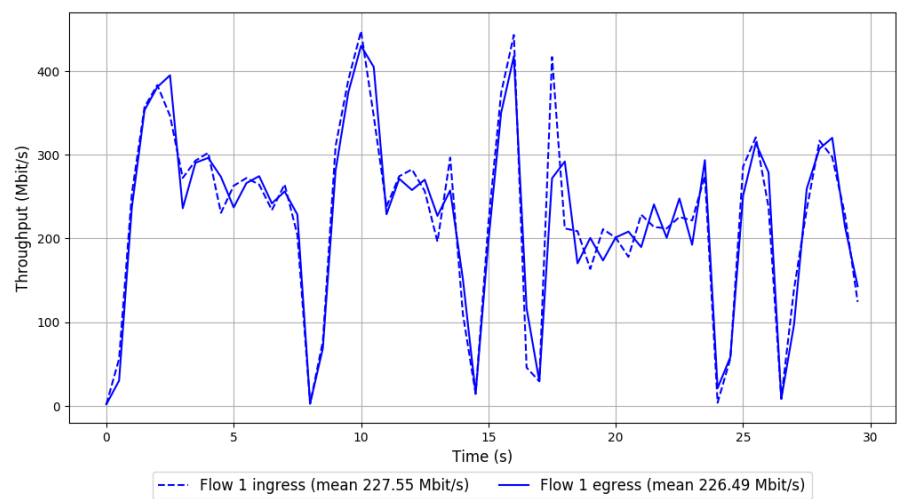
-- Flow 1:

Average throughput: 226.49 Mbit/s

95th percentile per-packet one-way delay: 79.277 ms

Loss rate: 0.48%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-24 14:31:51

End at: 2018-04-24 14:32:21

Below is generated by plot.py at 2018-04-24 17:53:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.05 Mbit/s

95th percentile per-packet one-way delay: 107.833 ms

Loss rate: 0.29%

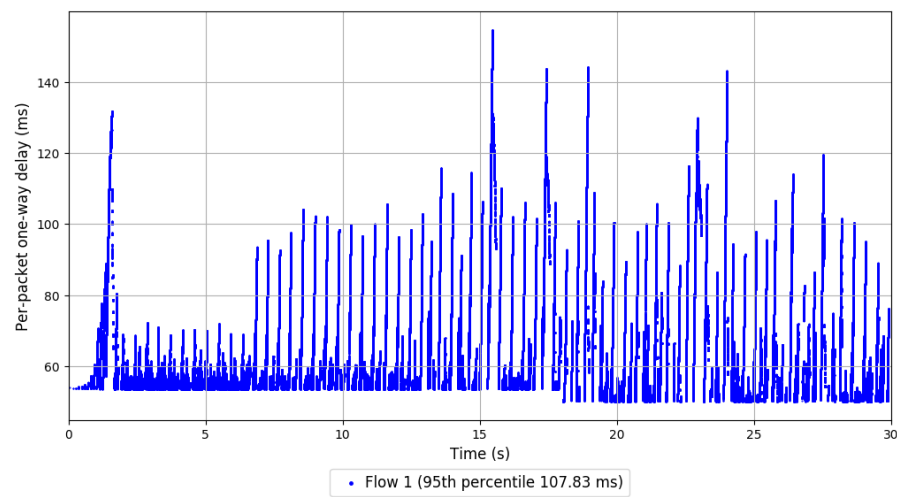
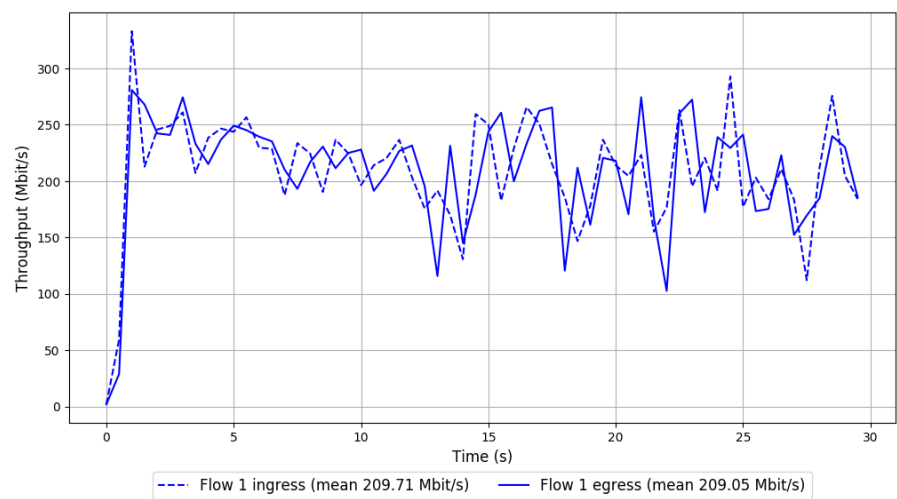
-- Flow 1:

Average throughput: 209.05 Mbit/s

95th percentile per-packet one-way delay: 107.833 ms

Loss rate: 0.29%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-24 14:44:37

End at: 2018-04-24 14:45:07

Below is generated by plot.py at 2018-04-24 17:54:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.90 Mbit/s

95th percentile per-packet one-way delay: 191.924 ms

Loss rate: 0.93%

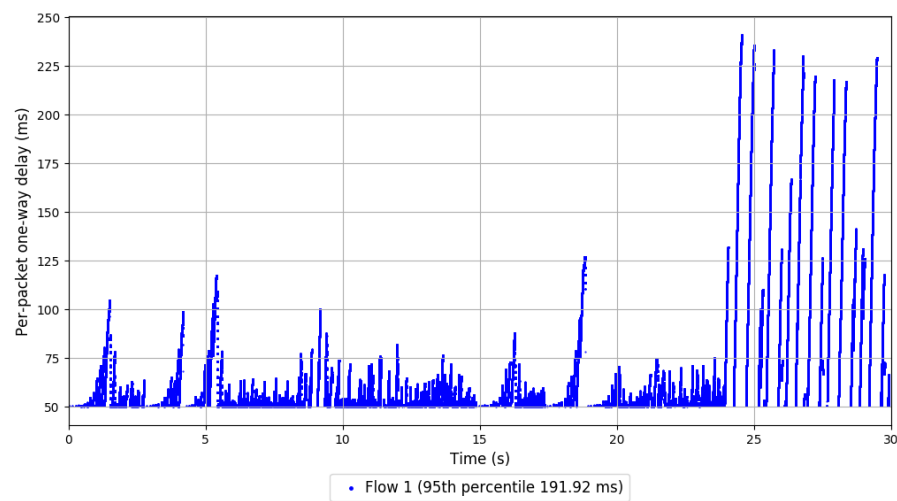
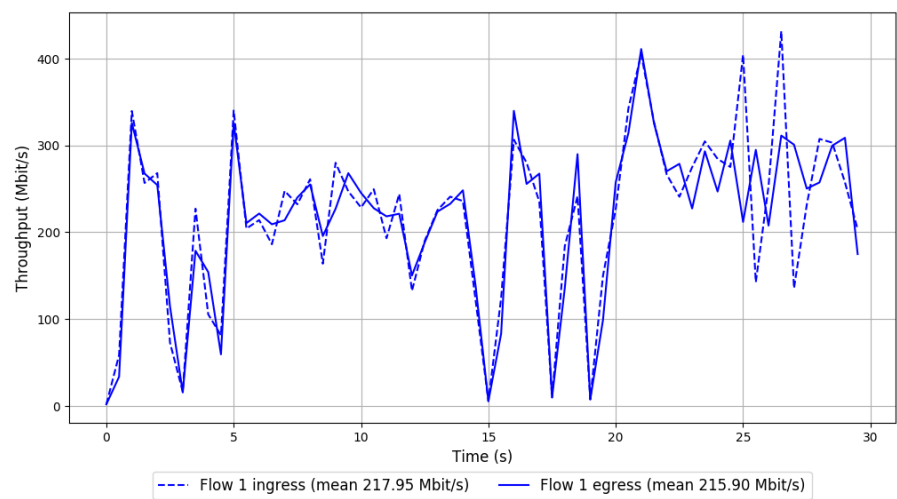
-- Flow 1:

Average throughput: 215.90 Mbit/s

95th percentile per-packet one-way delay: 191.924 ms

Loss rate: 0.93%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-24 14:57:55

End at: 2018-04-24 14:58:25

Below is generated by plot.py at 2018-04-24 17:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.65 Mbit/s

95th percentile per-packet one-way delay: 128.859 ms

Loss rate: 0.00%

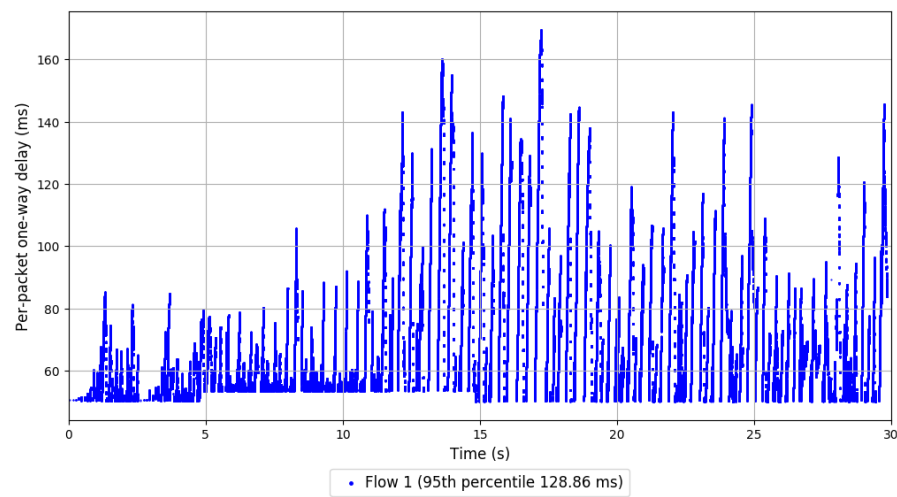
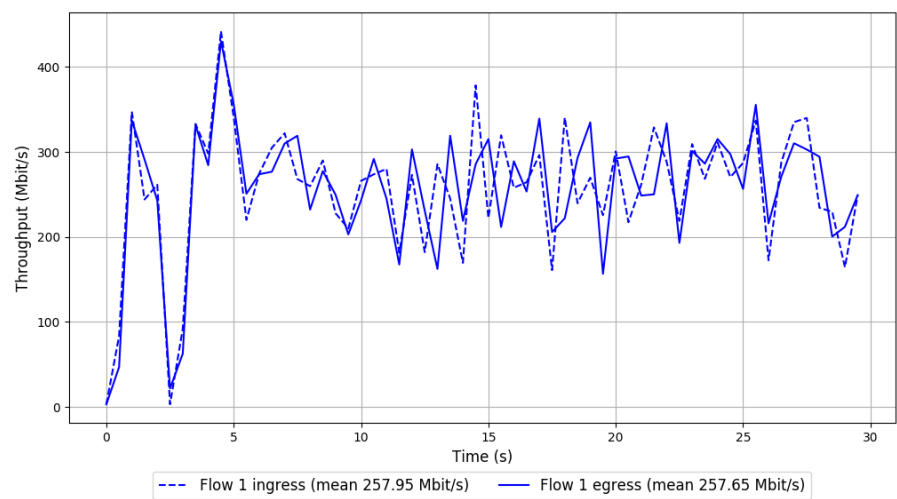
-- Flow 1:

Average throughput: 257.65 Mbit/s

95th percentile per-packet one-way delay: 128.859 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 15:11:03

End at: 2018-04-24 15:11:33

Below is generated by plot.py at 2018-04-24 17:55:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.29 Mbit/s

95th percentile per-packet one-way delay: 87.857 ms

Loss rate: 0.00%

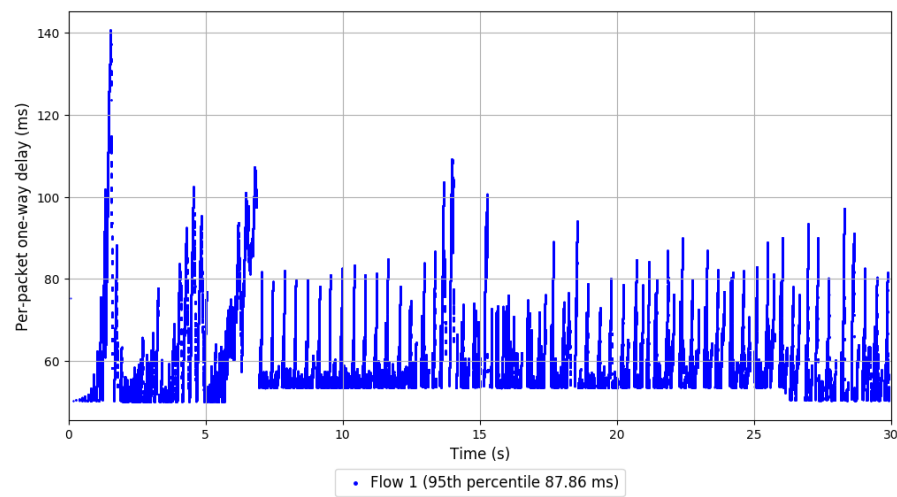
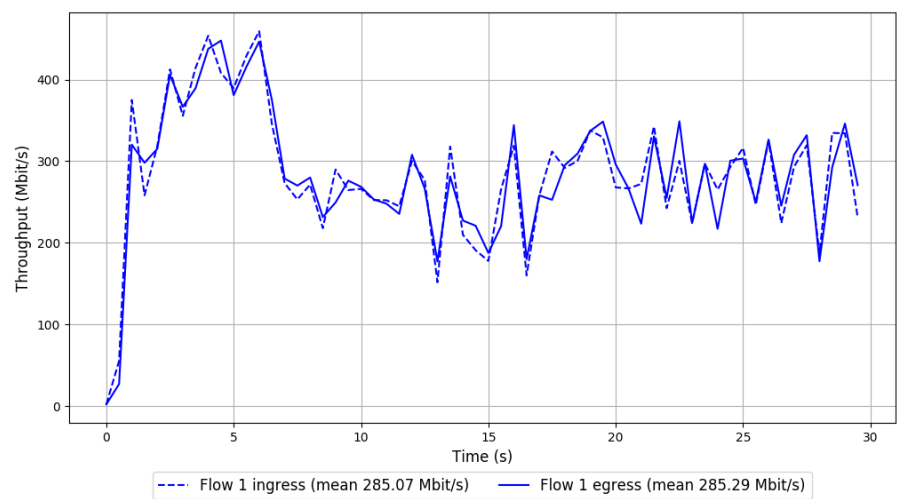
-- Flow 1:

Average throughput: 285.29 Mbit/s

95th percentile per-packet one-way delay: 87.857 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 15:23:57

End at: 2018-04-24 15:24:27

Below is generated by plot.py at 2018-04-24 17:55:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.61 Mbit/s

95th percentile per-packet one-way delay: 82.825 ms

Loss rate: 0.00%

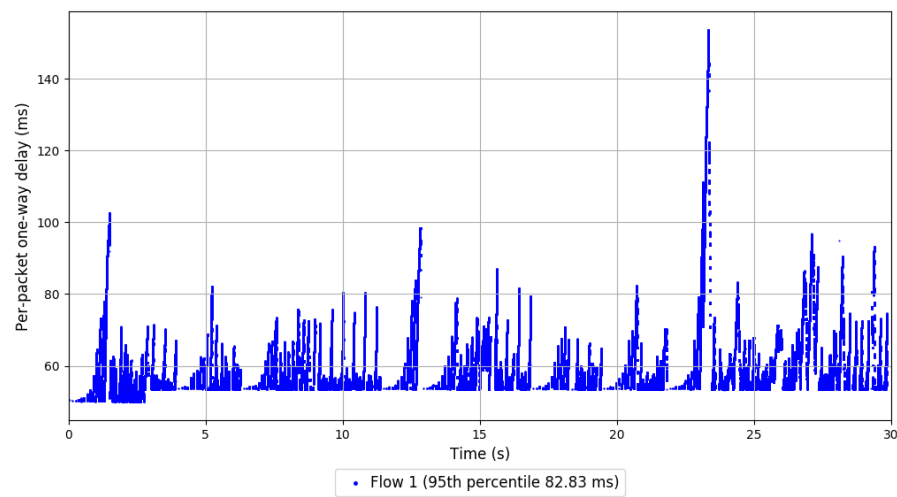
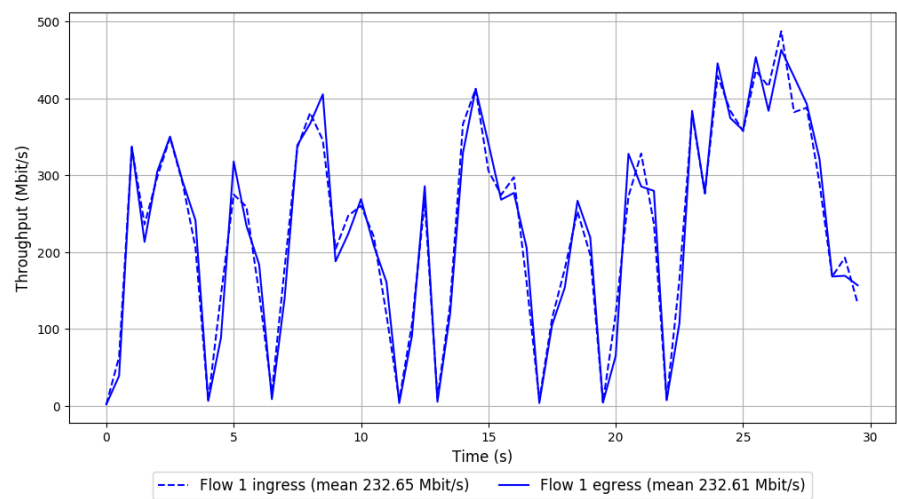
-- Flow 1:

Average throughput: 232.61 Mbit/s

95th percentile per-packet one-way delay: 82.825 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 15:37:03

End at: 2018-04-24 15:37:33

Below is generated by plot.py at 2018-04-24 17:56:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.74 Mbit/s

95th percentile per-packet one-way delay: 101.370 ms

Loss rate: 0.57%

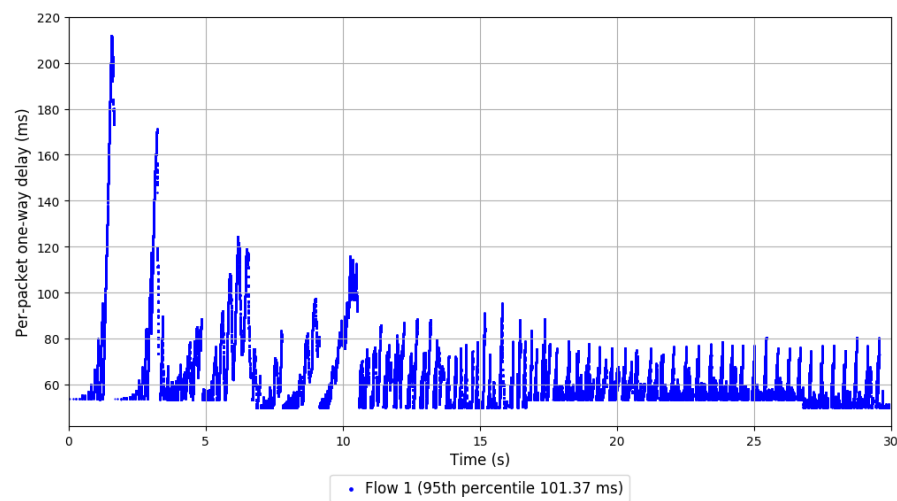
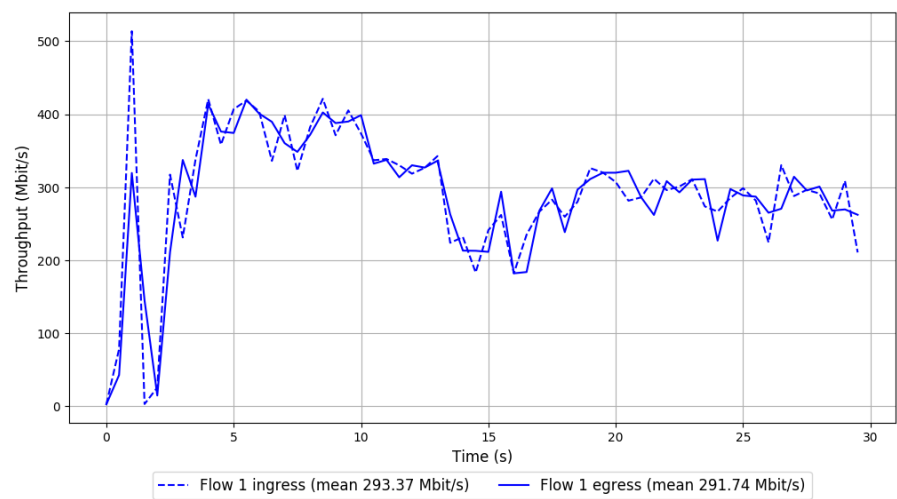
-- Flow 1:

Average throughput: 291.74 Mbit/s

95th percentile per-packet one-way delay: 101.370 ms

Loss rate: 0.57%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 15:49:55

End at: 2018-04-24 15:50:25

Below is generated by plot.py at 2018-04-24 17:57:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.33 Mbit/s

95th percentile per-packet one-way delay: 95.698 ms

Loss rate: 0.00%

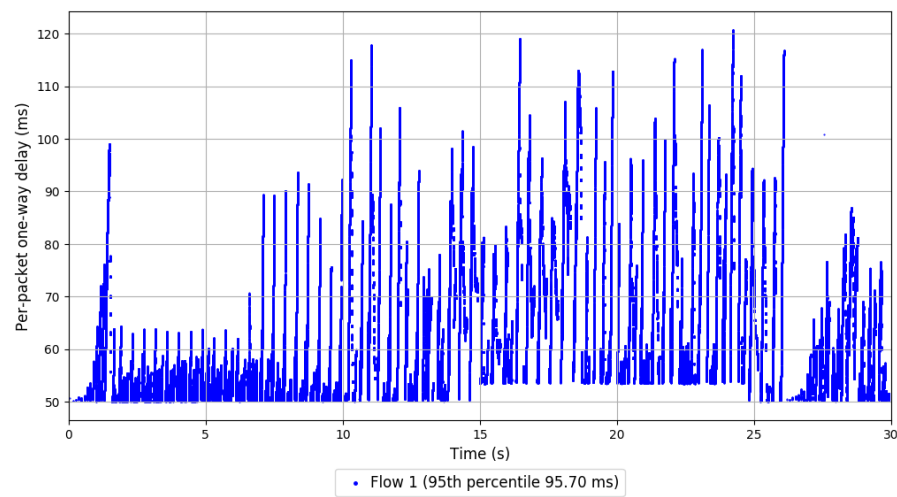
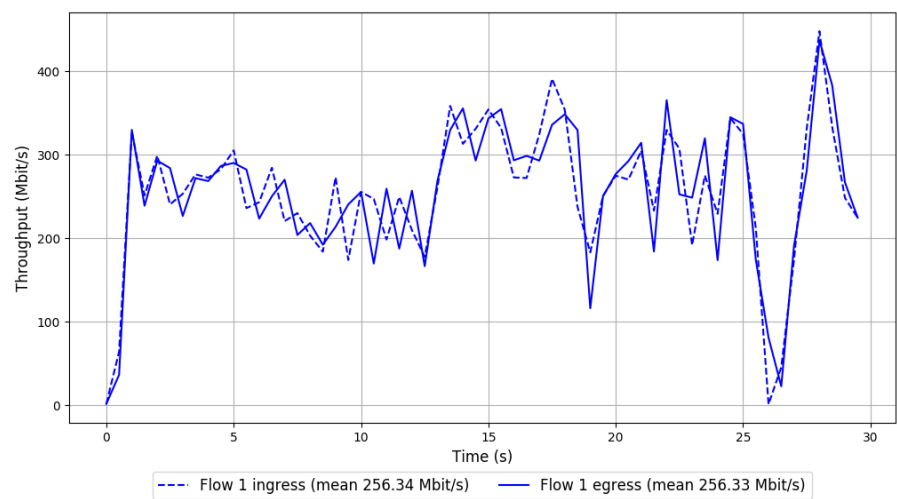
-- Flow 1:

Average throughput: 256.33 Mbit/s

95th percentile per-packet one-way delay: 95.698 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 16:02:44

End at: 2018-04-24 16:03:14

Below is generated by plot.py at 2018-04-24 17:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.53 Mbit/s

95th percentile per-packet one-way delay: 87.736 ms

Loss rate: 0.97%

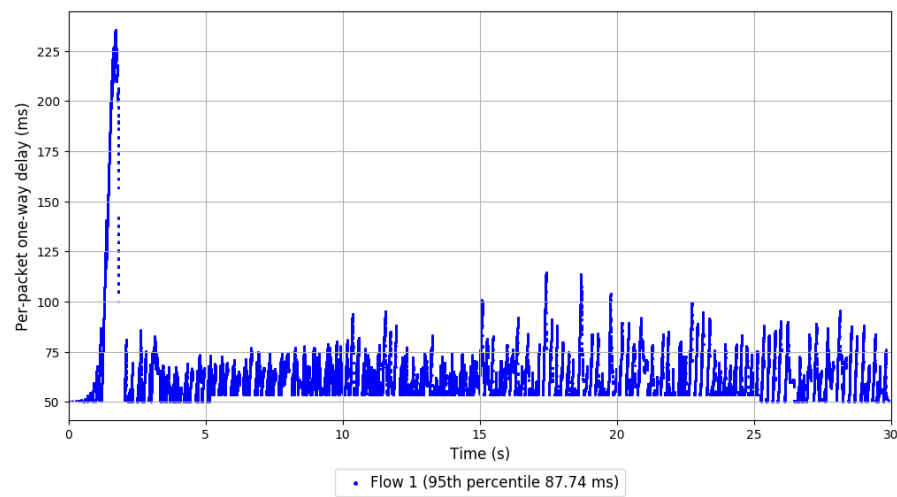
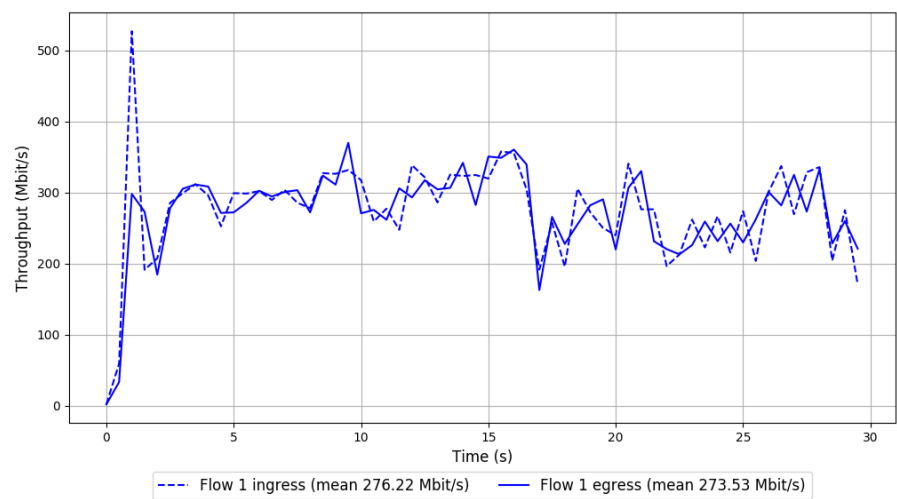
-- Flow 1:

Average throughput: 273.53 Mbit/s

95th percentile per-packet one-way delay: 87.736 ms

Loss rate: 0.97%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 13:56:21

End at: 2018-04-24 13:56:51

Below is generated by plot.py at 2018-04-24 17:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 52.975 ms

Loss rate: 0.00%

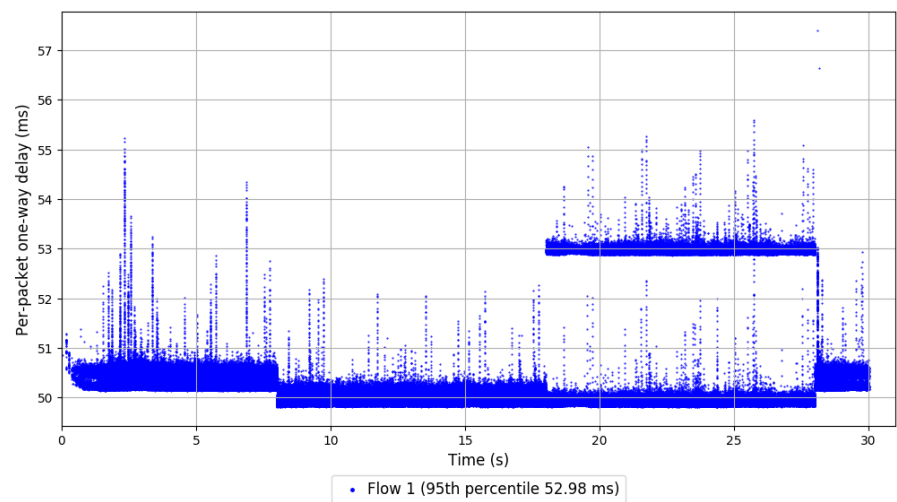
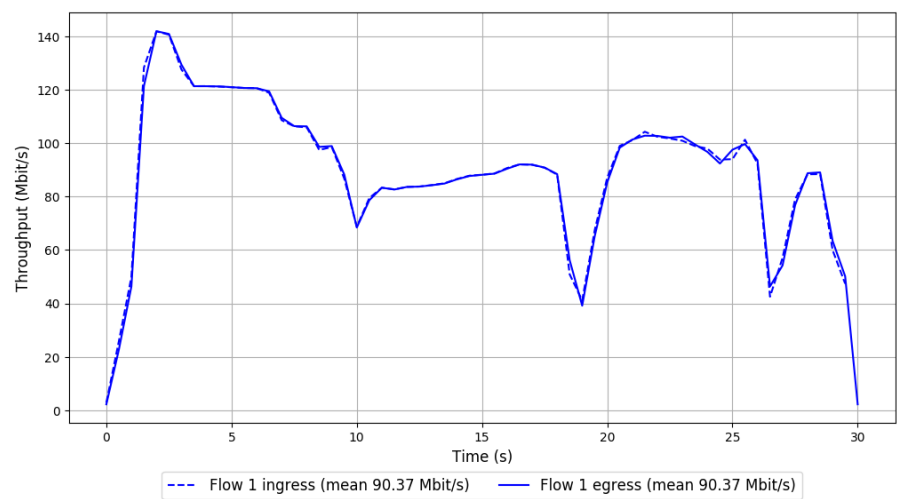
-- Flow 1:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 52.975 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 14:09:29

End at: 2018-04-24 14:10:00

Below is generated by plot.py at 2018-04-24 17:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.44 Mbit/s

95th percentile per-packet one-way delay: 53.619 ms

Loss rate: 0.00%

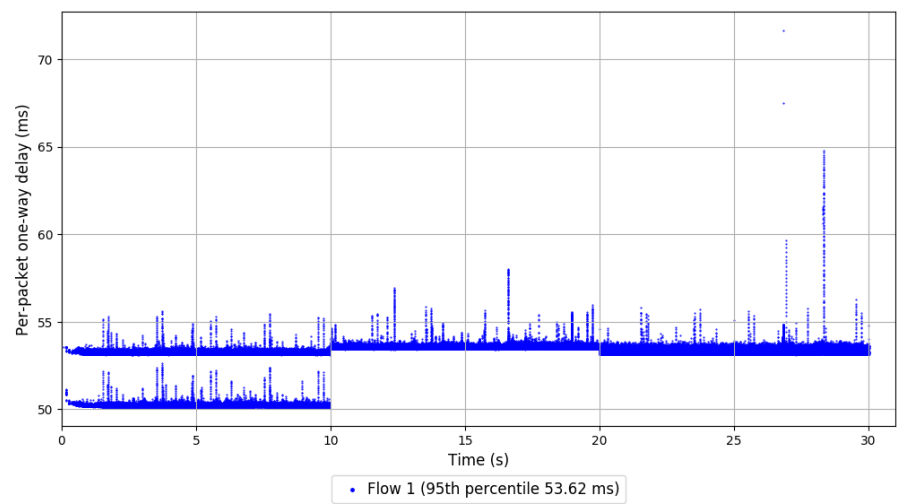
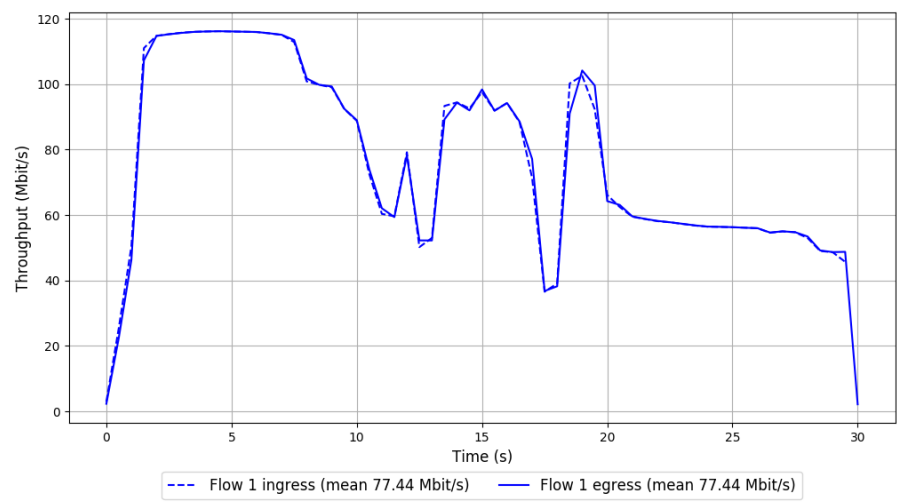
-- Flow 1:

Average throughput: 77.44 Mbit/s

95th percentile per-packet one-way delay: 53.619 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 14:22:16

End at: 2018-04-24 14:22:46

Below is generated by plot.py at 2018-04-24 17:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 53.628 ms

Loss rate: 0.00%

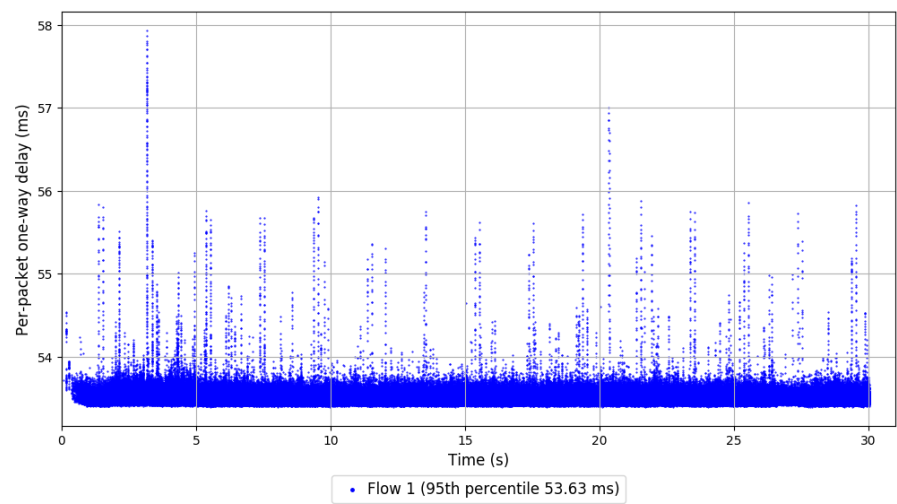
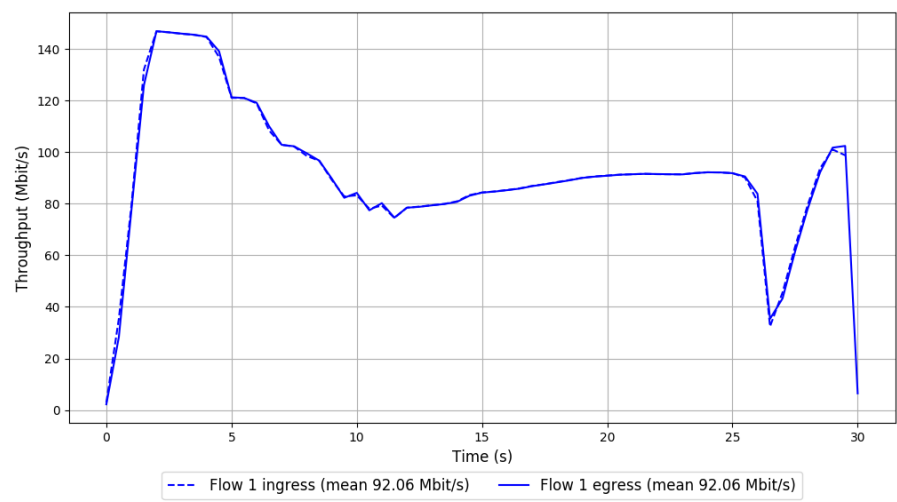
-- Flow 1:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 53.628 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 14:35:21

End at: 2018-04-24 14:35:51

Below is generated by plot.py at 2018-04-24 17:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.52 Mbit/s

95th percentile per-packet one-way delay: 53.474 ms

Loss rate: 0.00%

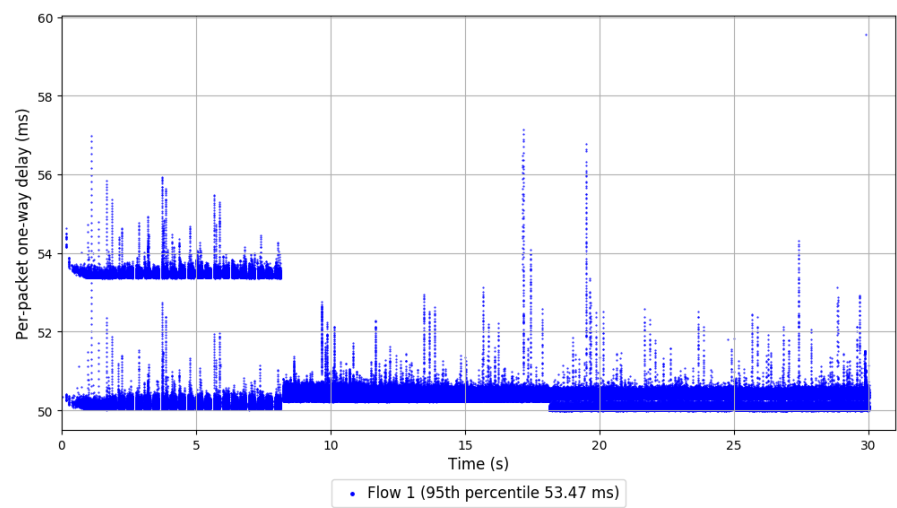
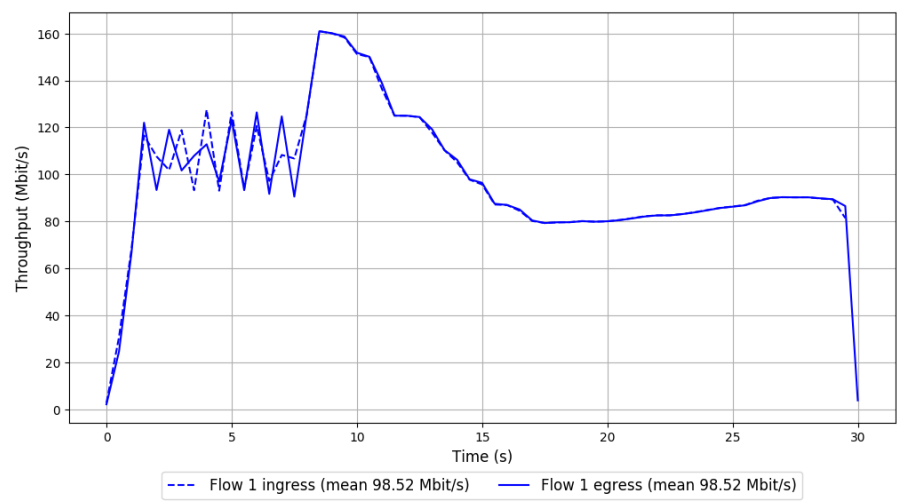
-- Flow 1:

Average throughput: 98.52 Mbit/s

95th percentile per-packet one-way delay: 53.474 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-24 14:48:08

End at: 2018-04-24 14:48:38

Below is generated by plot.py at 2018-04-24 18:05:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.25 Mbit/s

95th percentile per-packet one-way delay: 211.414 ms

Loss rate: 25.46%

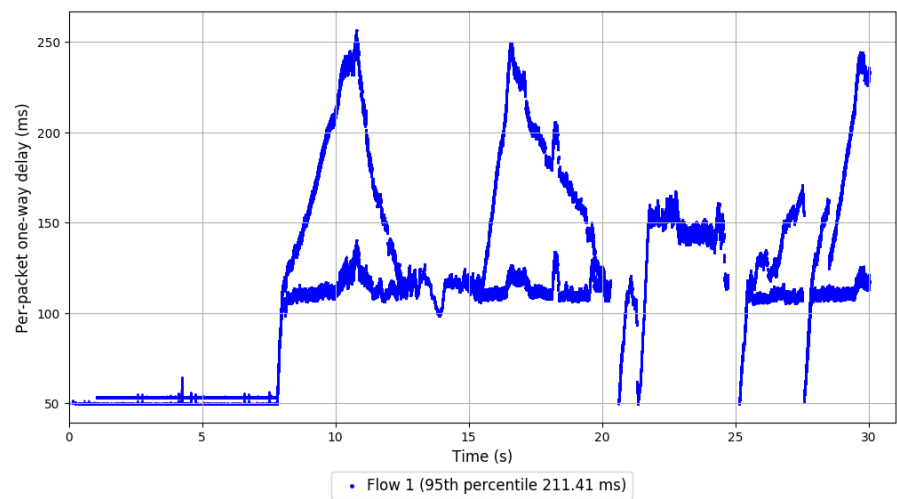
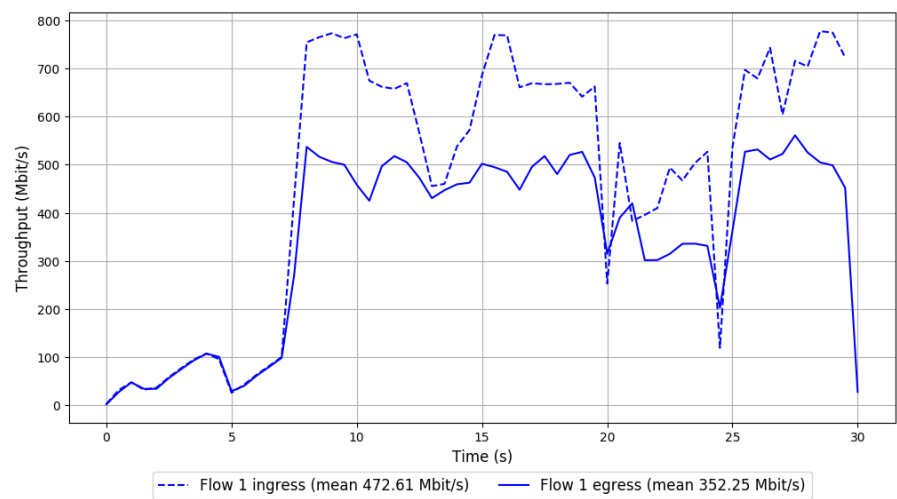
-- Flow 1:

Average throughput: 352.25 Mbit/s

95th percentile per-packet one-way delay: 211.414 ms

Loss rate: 25.46%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-24 15:01:31

End at: 2018-04-24 15:02:01

Below is generated by plot.py at 2018-04-24 18:05:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.40 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.00%

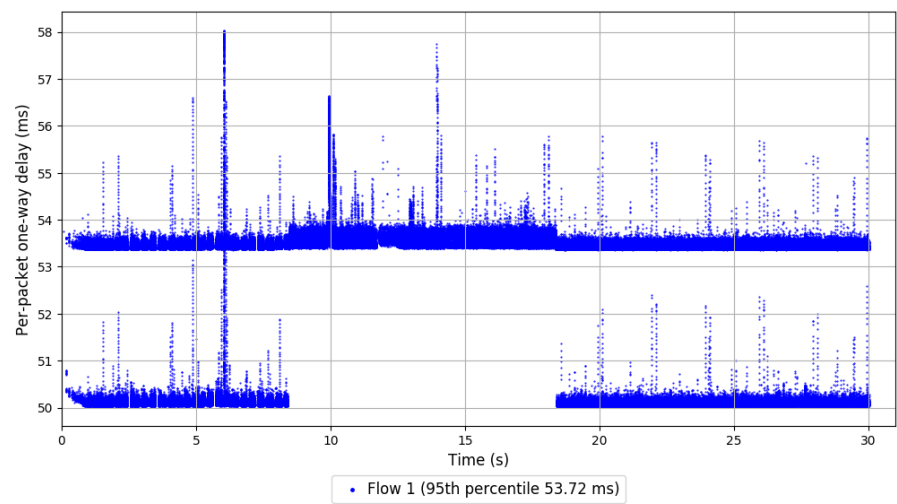
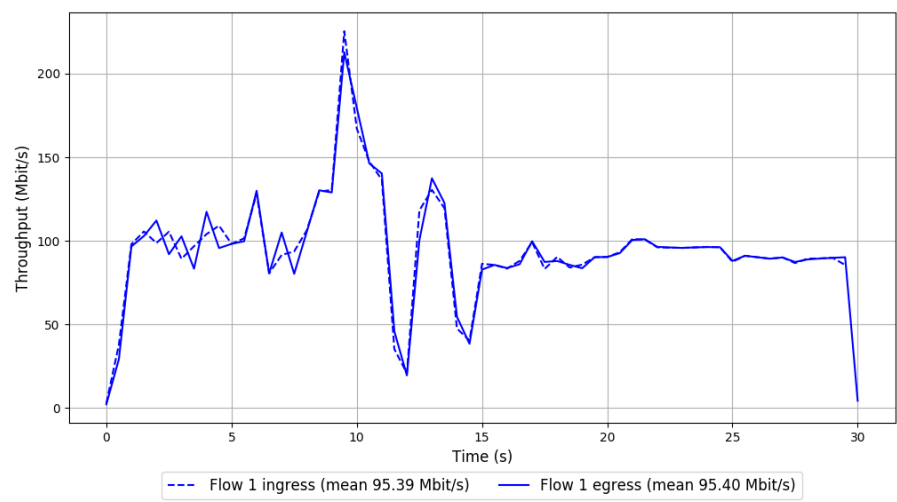
-- Flow 1:

Average throughput: 95.40 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 15:14:39

End at: 2018-04-24 15:15:09

Below is generated by plot.py at 2018-04-24 18:05:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 53.529 ms

Loss rate: 0.00%

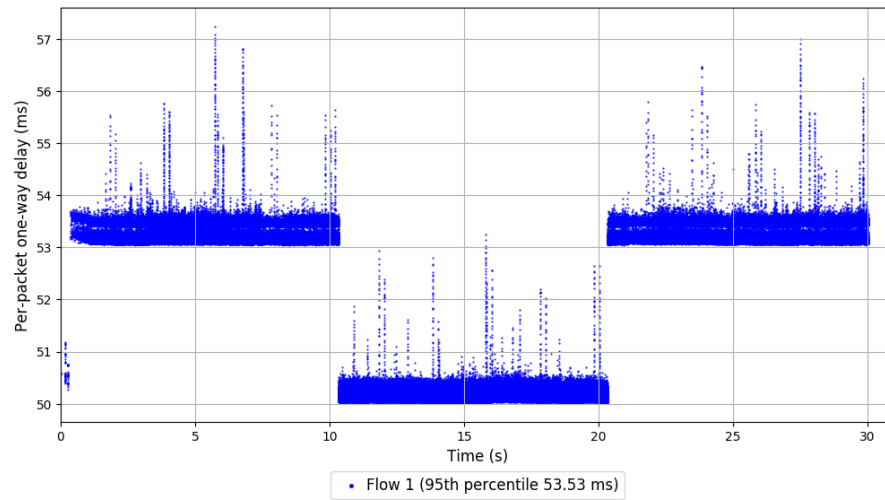
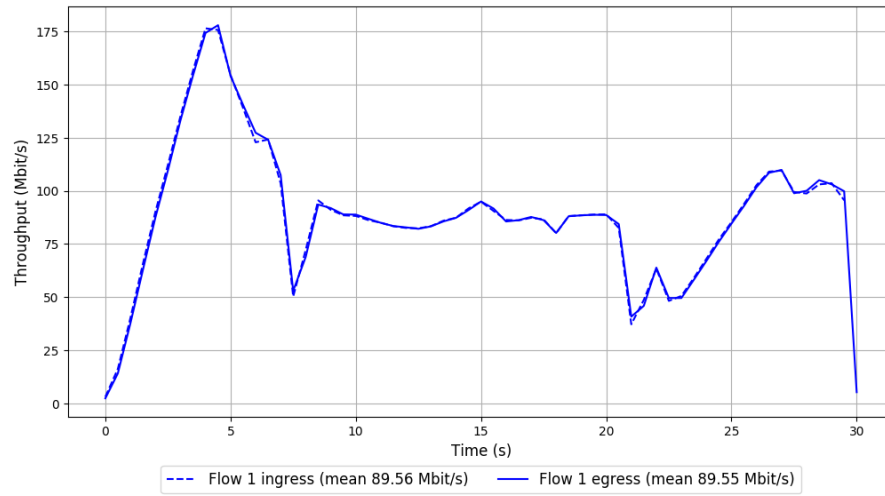
-- Flow 1:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 53.529 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 15:27:29

End at: 2018-04-24 15:27:59

Below is generated by plot.py at 2018-04-24 18:05:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 53.489 ms

Loss rate: 0.00%

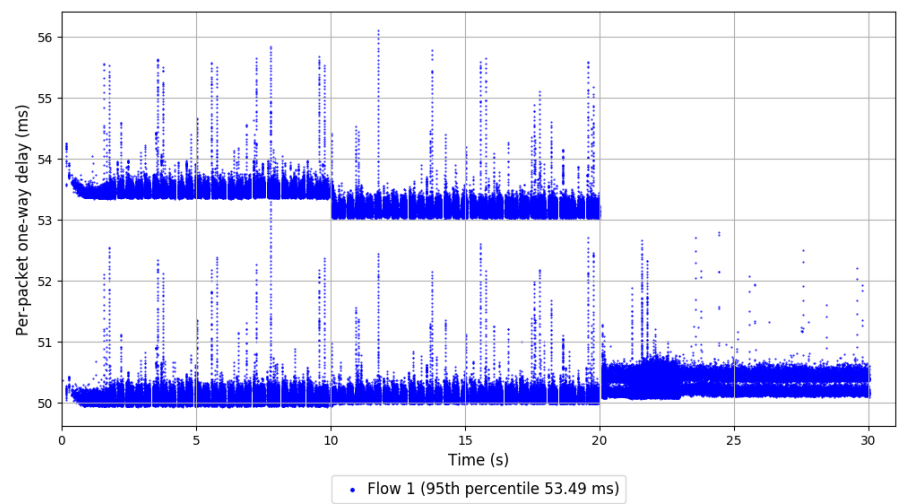
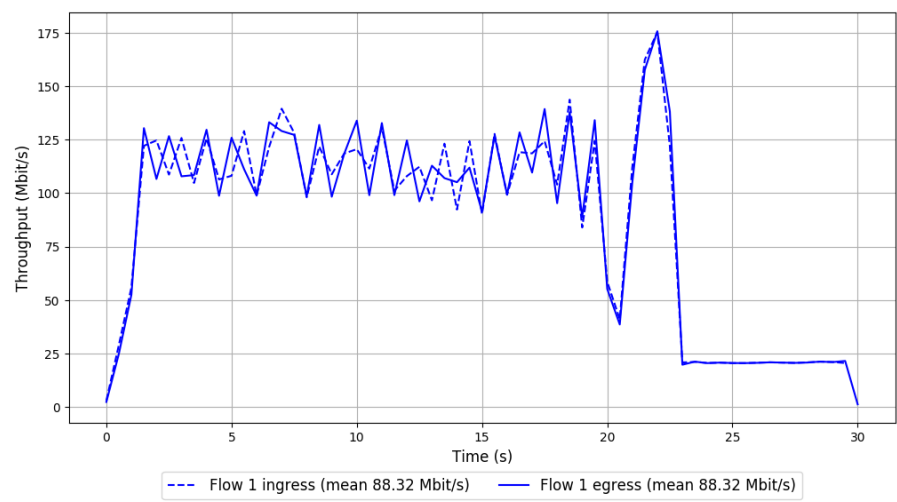
-- Flow 1:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 53.489 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 15:40:36

End at: 2018-04-24 15:41:06

Below is generated by plot.py at 2018-04-24 18:05:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.29 Mbit/s

95th percentile per-packet one-way delay: 53.541 ms

Loss rate: 0.00%

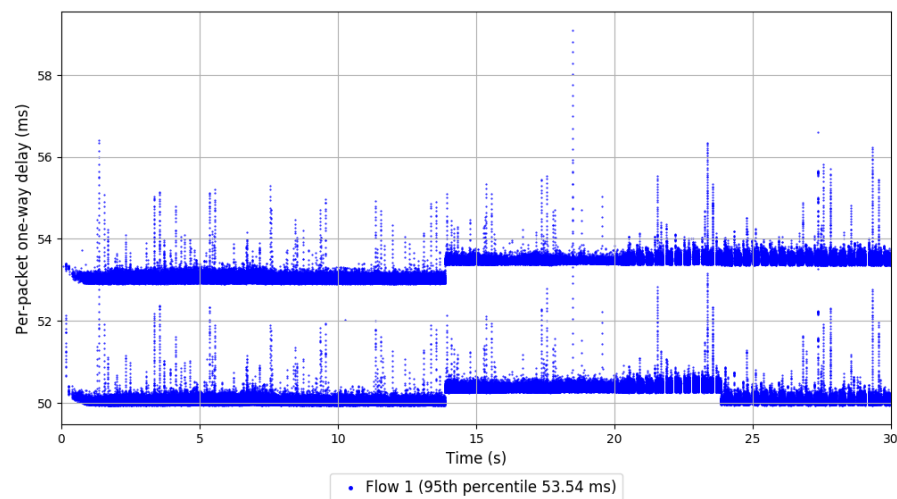
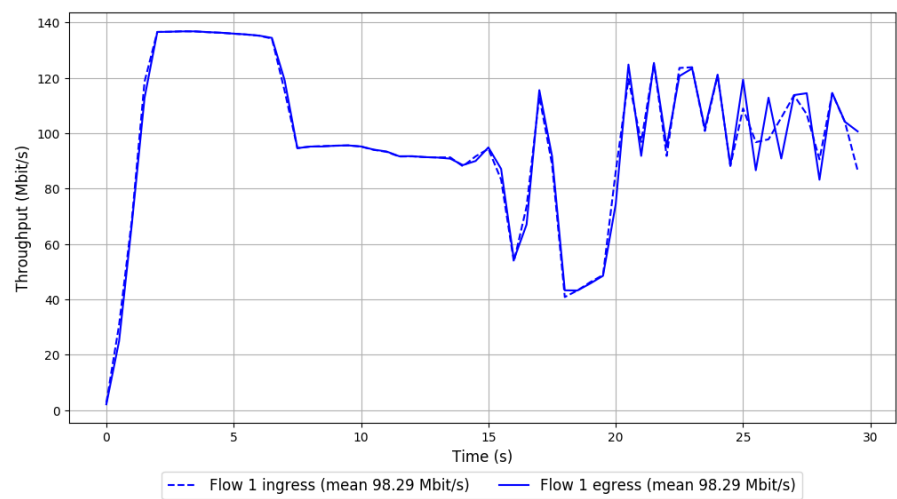
-- Flow 1:

Average throughput: 98.29 Mbit/s

95th percentile per-packet one-way delay: 53.541 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 15:53:31

End at: 2018-04-24 15:54:01

Below is generated by plot.py at 2018-04-24 18:05:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.79 Mbit/s

95th percentile per-packet one-way delay: 53.684 ms

Loss rate: 0.00%

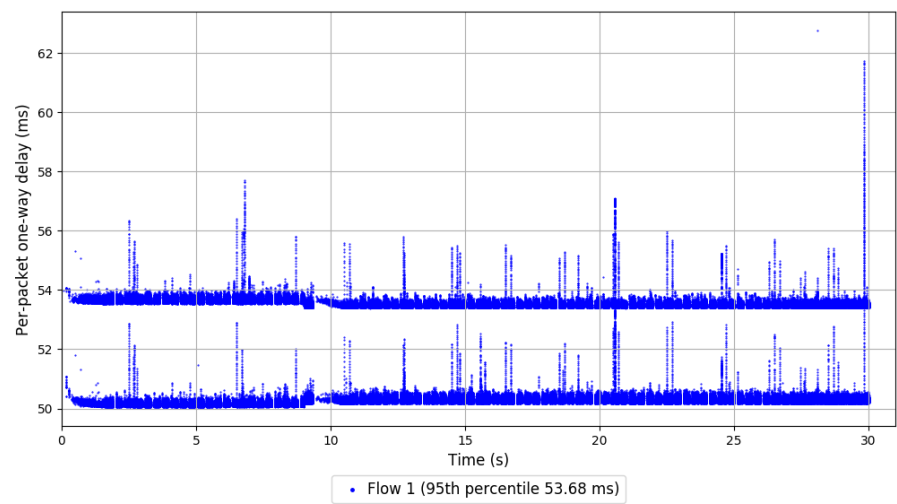
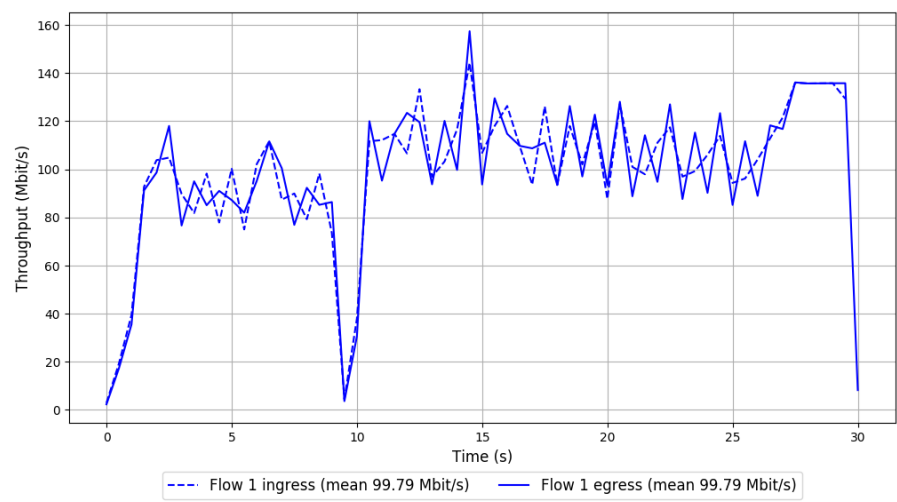
-- Flow 1:

Average throughput: 99.79 Mbit/s

95th percentile per-packet one-way delay: 53.684 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-24 14:03:47

End at: 2018-04-24 14:04:17

Below is generated by plot.py at 2018-04-24 18:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 798.77 Mbit/s

95th percentile per-packet one-way delay: 133.471 ms

Loss rate: 5.33%

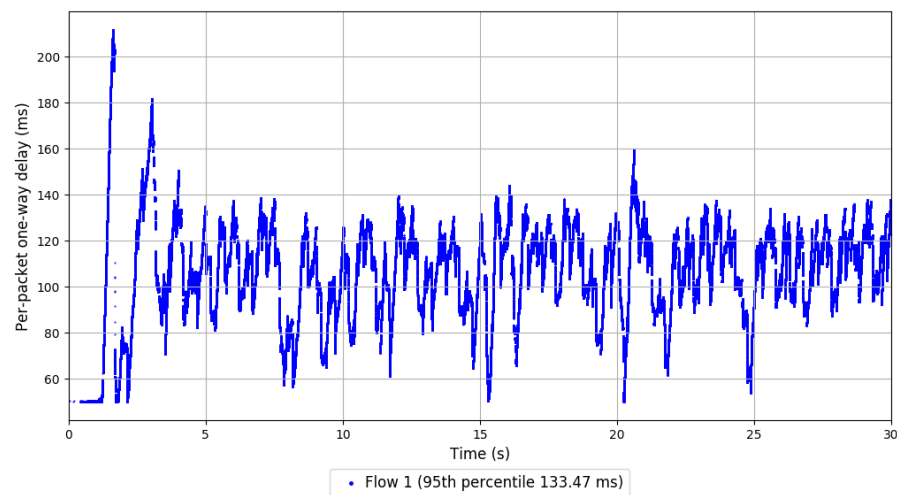
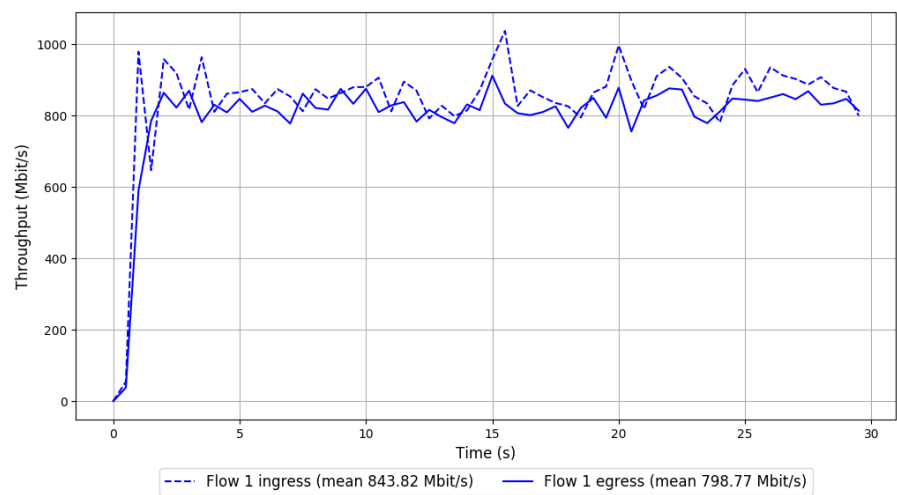
-- Flow 1:

Average throughput: 798.77 Mbit/s

95th percentile per-packet one-way delay: 133.471 ms

Loss rate: 5.33%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 14:16:46

End at: 2018-04-24 14:17:16

Below is generated by plot.py at 2018-04-24 18:11:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 800.77 Mbit/s

95th percentile per-packet one-way delay: 136.276 ms

Loss rate: 4.82%

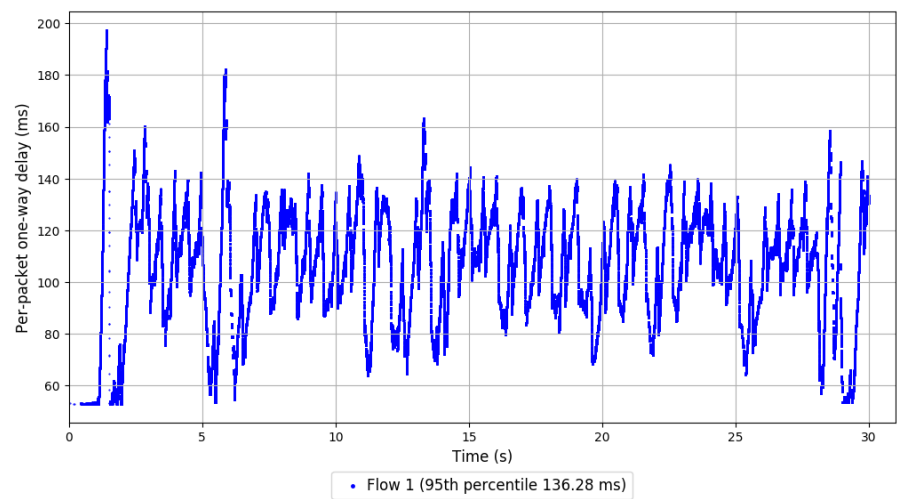
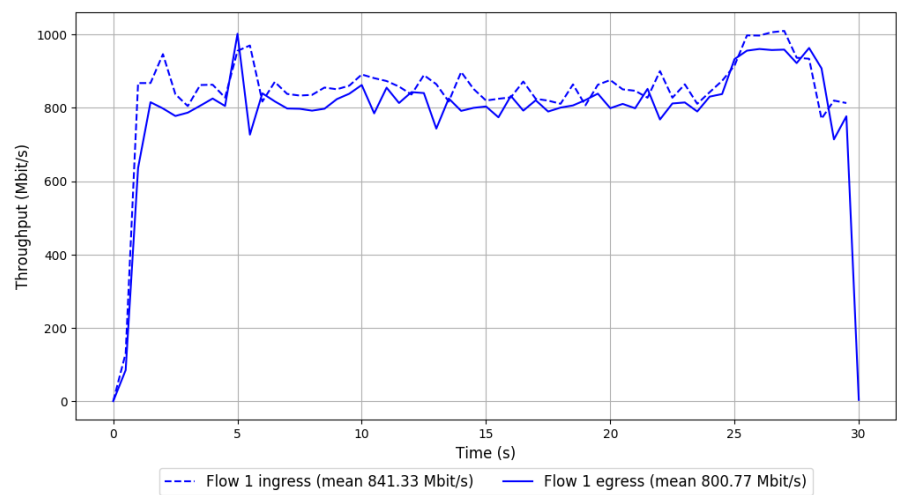
-- Flow 1:

Average throughput: 800.77 Mbit/s

95th percentile per-packet one-way delay: 136.276 ms

Loss rate: 4.82%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 14:29:54

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

Below is generated by plot.py at 2018-04-24 18:12:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 814.43 Mbit/s

95th percentile per-packet one-way delay: 131.143 ms

Loss rate: 5.01%

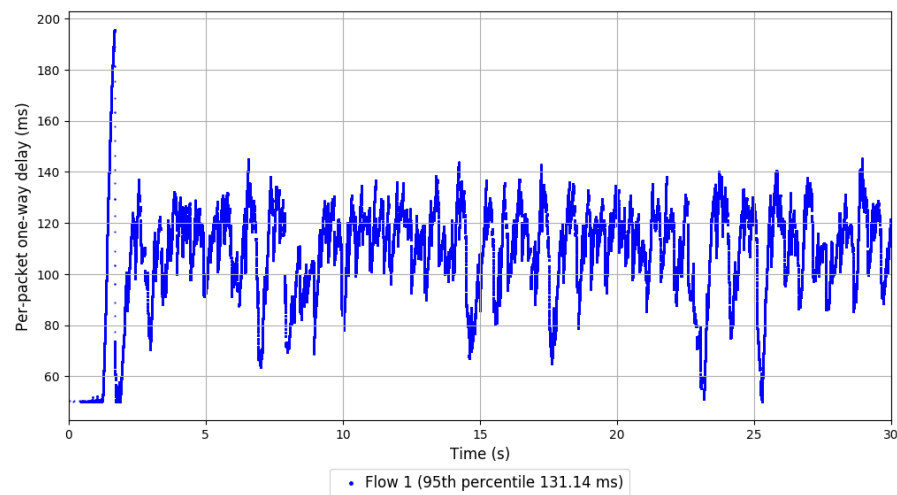
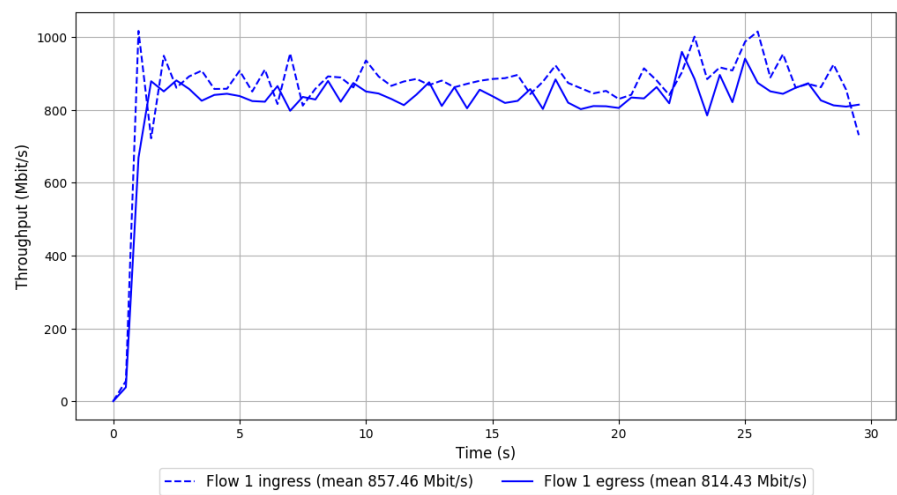
-- Flow 1:

Average throughput: 814.43 Mbit/s

95th percentile per-packet one-way delay: 131.143 ms

Loss rate: 5.01%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 14:42:40

End at: 2018-04-24 14:43:10

Below is generated by plot.py at 2018-04-24 18:12:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 771.13 Mbit/s

95th percentile per-packet one-way delay: 138.410 ms

Loss rate: 5.10%

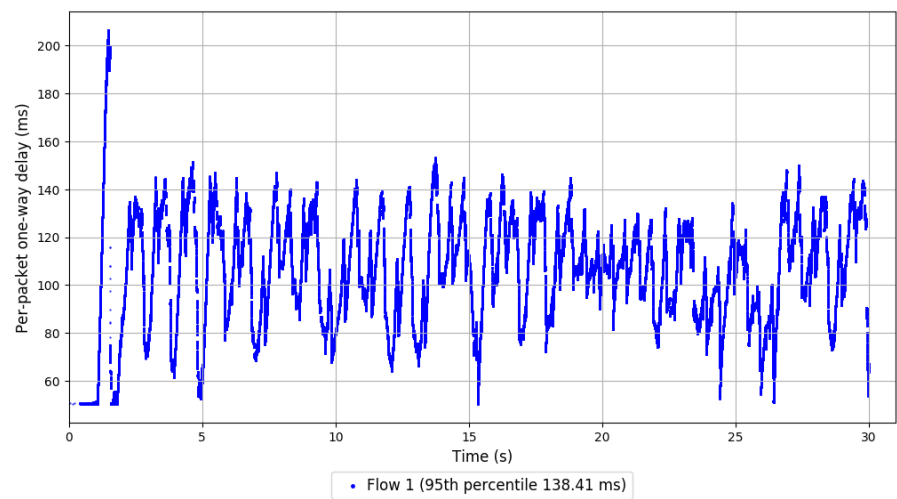
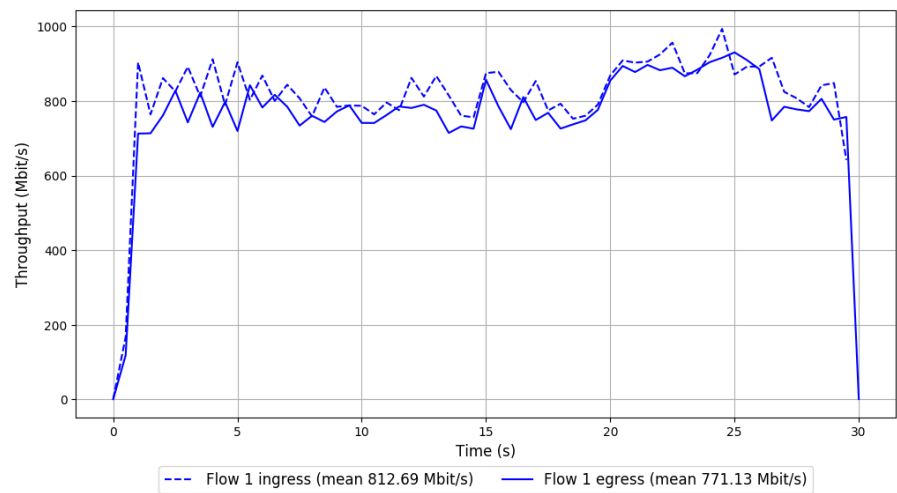
-- Flow 1:

Average throughput: 771.13 Mbit/s

95th percentile per-packet one-way delay: 138.410 ms

Loss rate: 5.10%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 14:55:54

End at: 2018-04-24 14:56:24

Below is generated by plot.py at 2018-04-24 18:12:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 795.06 Mbit/s

95th percentile per-packet one-way delay: 132.919 ms

Loss rate: 4.52%

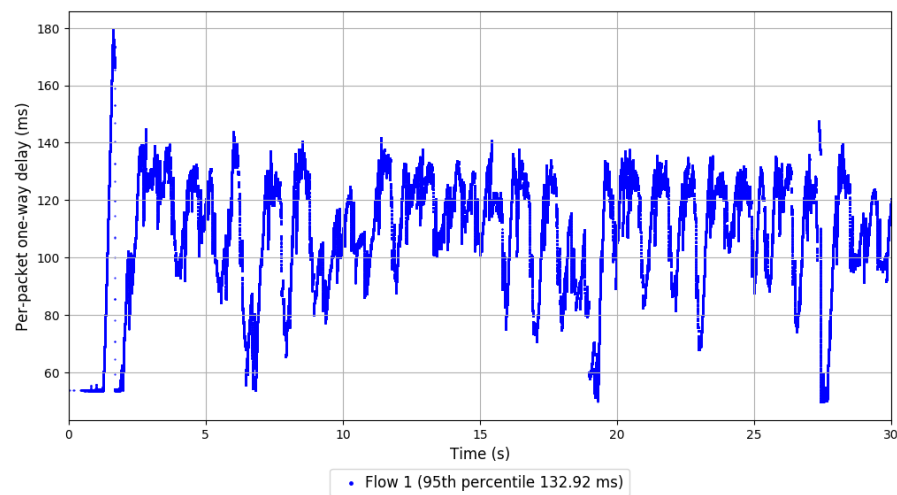
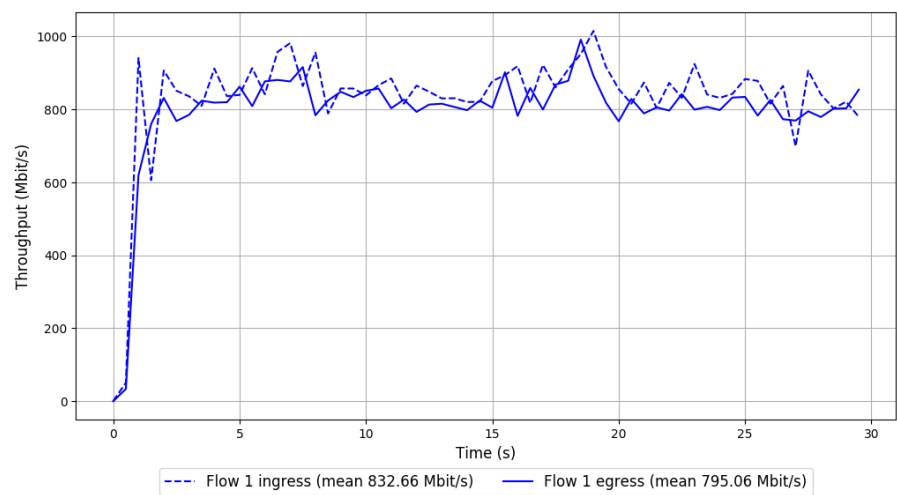
-- Flow 1:

Average throughput: 795.06 Mbit/s

95th percentile per-packet one-way delay: 132.919 ms

Loss rate: 4.52%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 15:09:06

End at: 2018-04-24 15:09:36

Below is generated by plot.py at 2018-04-24 18:13:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 782.82 Mbit/s

95th percentile per-packet one-way delay: 137.205 ms

Loss rate: 5.61%

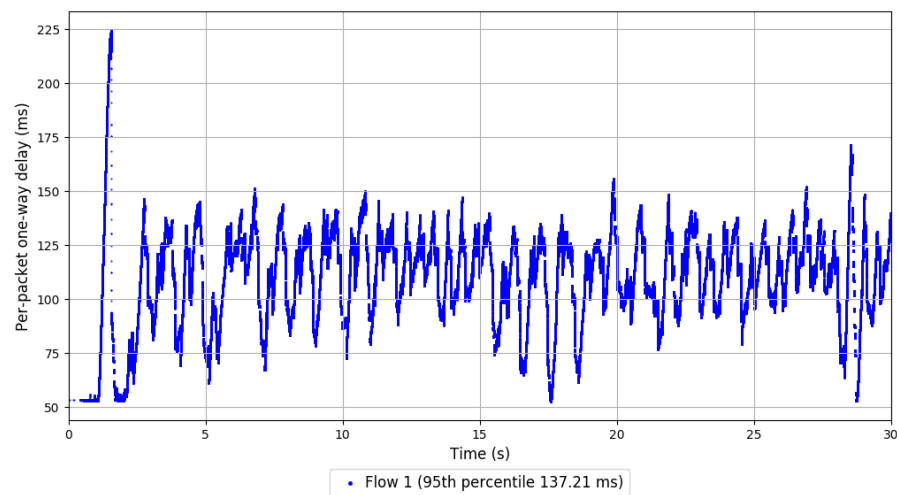
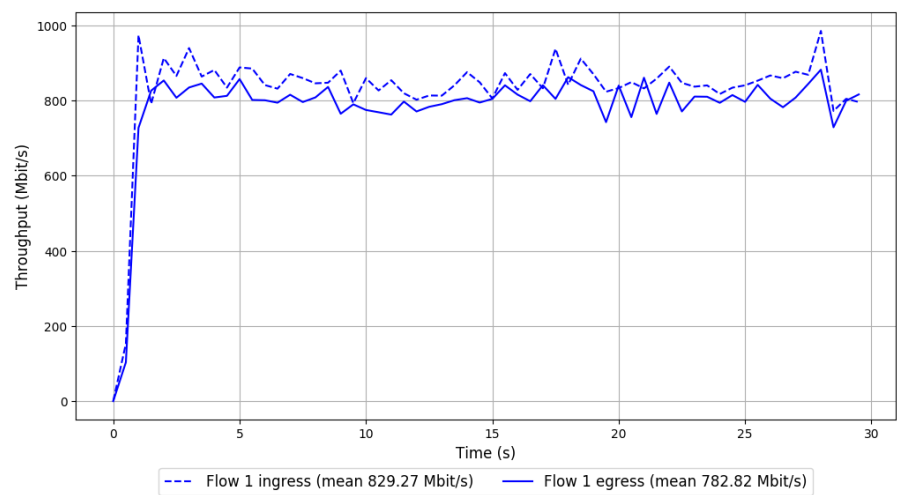
-- Flow 1:

Average throughput: 782.82 Mbit/s

95th percentile per-packet one-way delay: 137.205 ms

Loss rate: 5.61%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 15:21:57

End at: 2018-04-24 15:22:27

Below is generated by plot.py at 2018-04-24 18:14:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 816.35 Mbit/s

95th percentile per-packet one-way delay: 133.922 ms

Loss rate: 4.47%

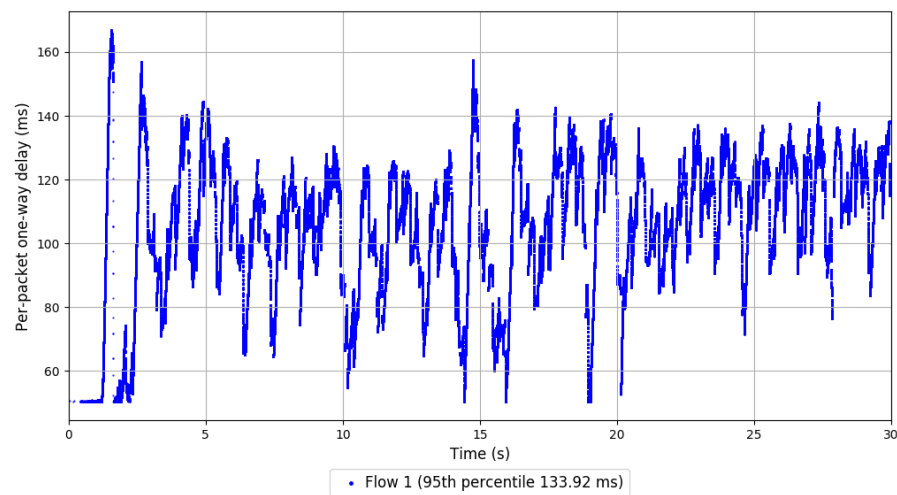
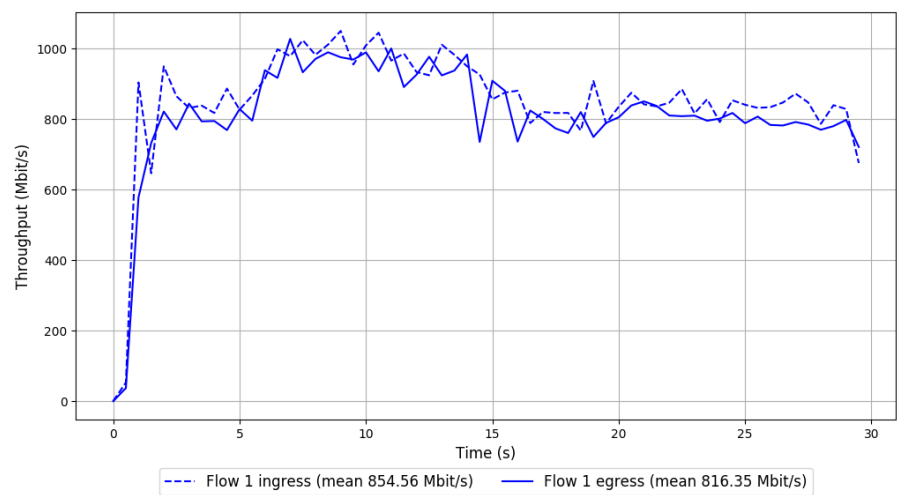
-- Flow 1:

Average throughput: 816.35 Mbit/s

95th percentile per-packet one-way delay: 133.922 ms

Loss rate: 4.47%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 15:35:02

End at: 2018-04-24 15:35:32

Below is generated by plot.py at 2018-04-24 18:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 809.42 Mbit/s

95th percentile per-packet one-way delay: 150.913 ms

Loss rate: 3.95%

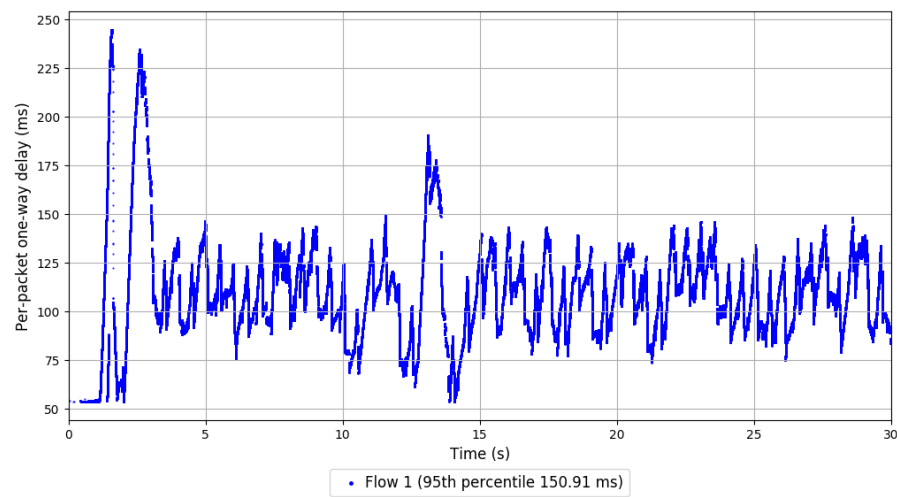
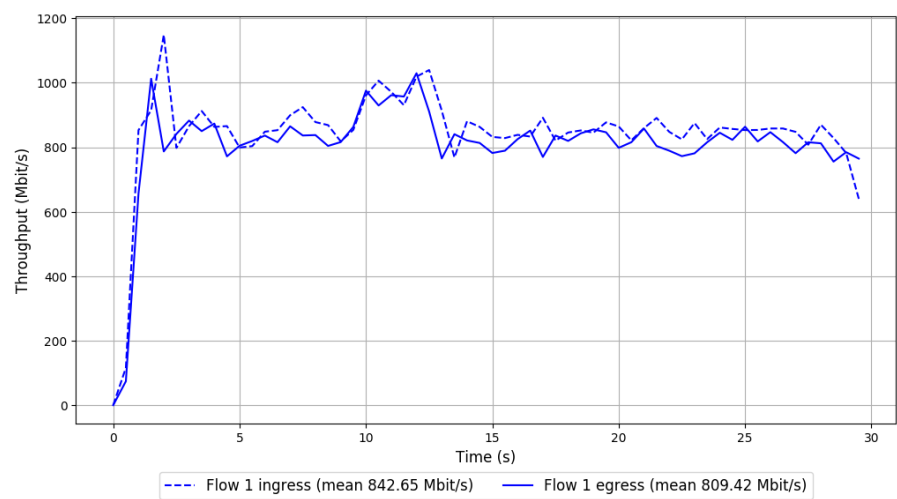
-- Flow 1:

Average throughput: 809.42 Mbit/s

95th percentile per-packet one-way delay: 150.913 ms

Loss rate: 3.95%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 15:47:53

End at: 2018-04-24 15:48:23

Below is generated by plot.py at 2018-04-24 18:24:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 755.51 Mbit/s

95th percentile per-packet one-way delay: 137.838 ms

Loss rate: 6.21%

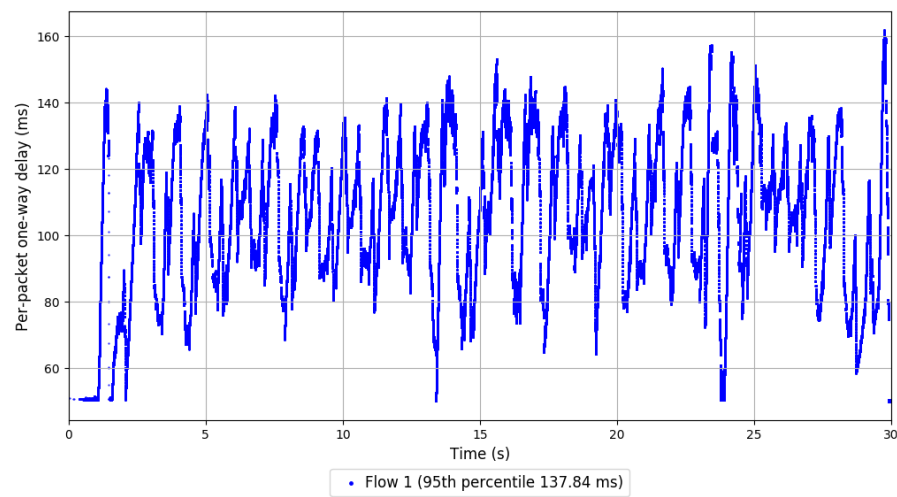
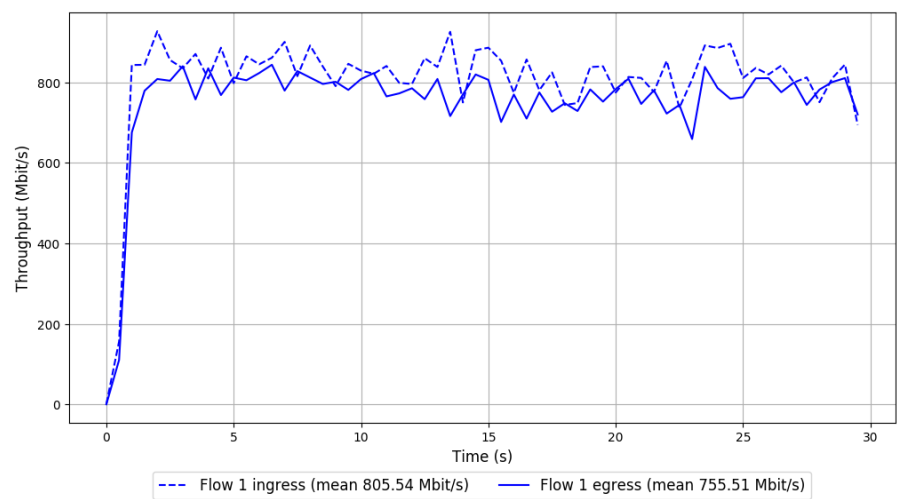
-- Flow 1:

Average throughput: 755.51 Mbit/s

95th percentile per-packet one-way delay: 137.838 ms

Loss rate: 6.21%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 16:00:44

End at: 2018-04-24 16:01:14

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 836.17 Mbit/s

95th percentile per-packet one-way delay: 131.628 ms

Loss rate: 3.71%

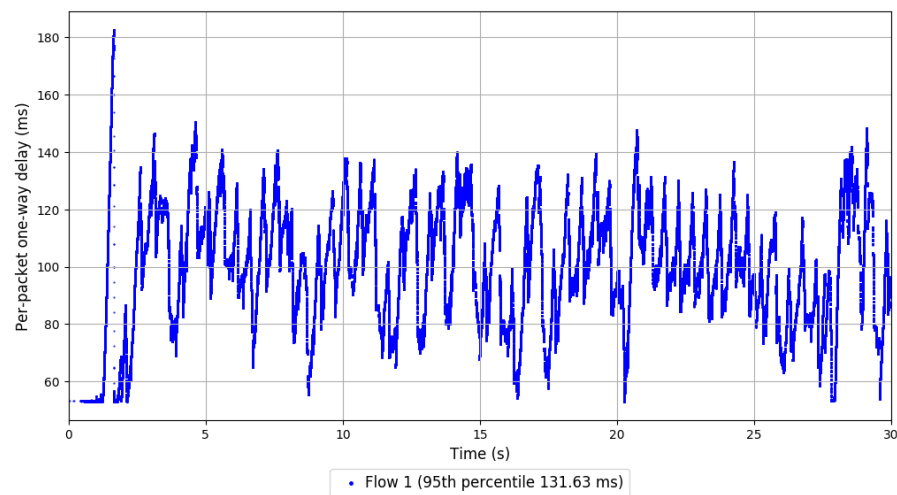
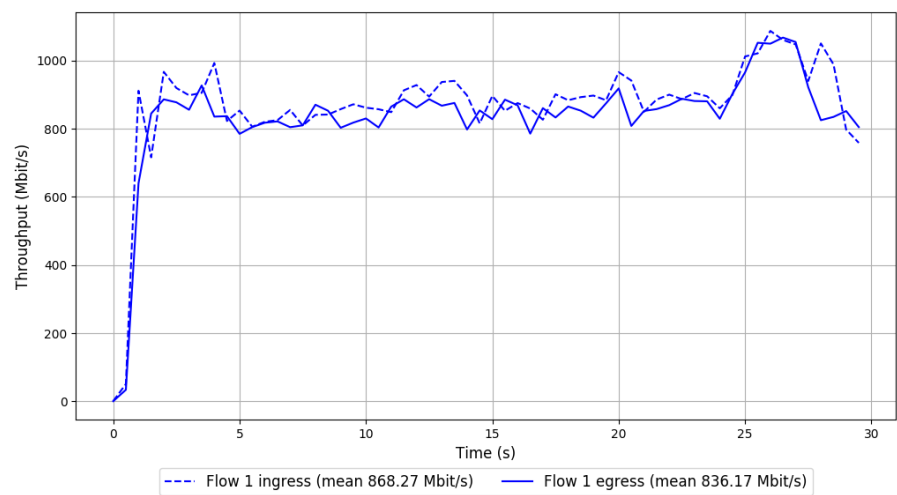
-- Flow 1:

Average throughput: 836.17 Mbit/s

95th percentile per-packet one-way delay: 131.628 ms

Loss rate: 3.71%

Run 10: Report of FillP — Data Link

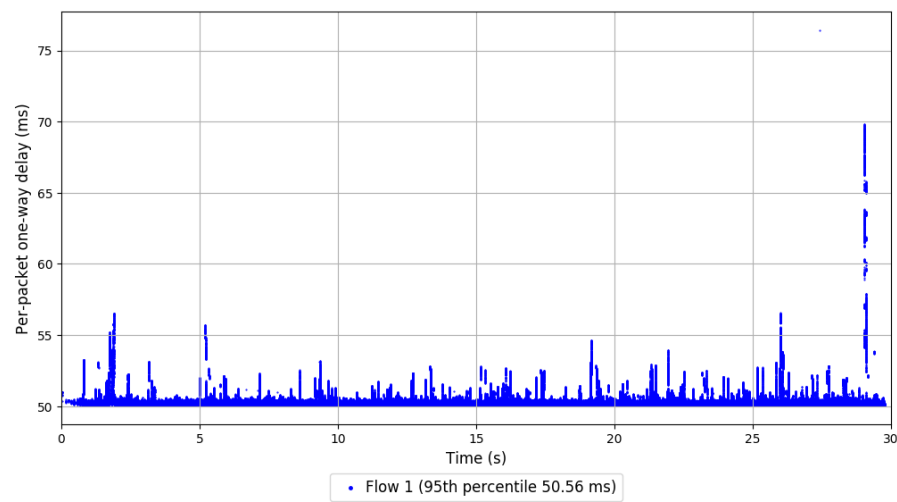
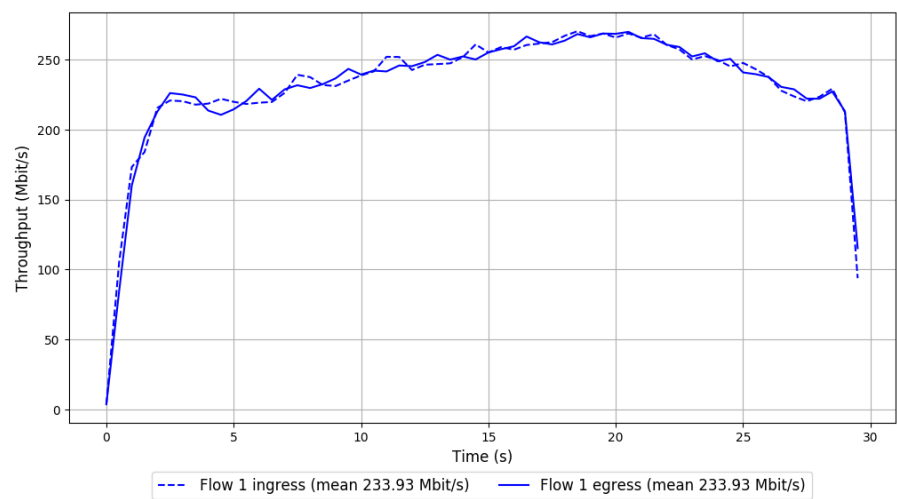


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 13:58:42
End at: 2018-04-24 13:59:12

# Below is generated by plot.py at 2018-04-24 18:26:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.93 Mbit/s
95th percentile per-packet one-way delay: 50.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.93 Mbit/s
95th percentile per-packet one-way delay: 50.561 ms
Loss rate: 0.00%
```

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

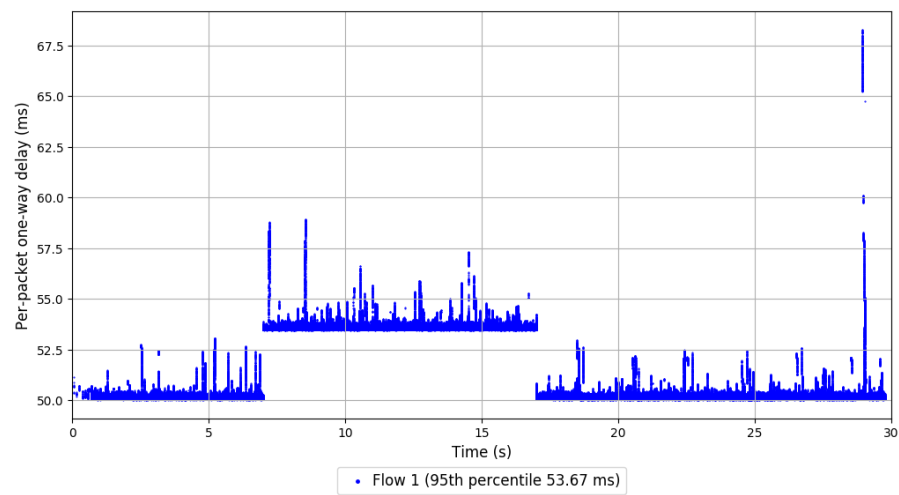
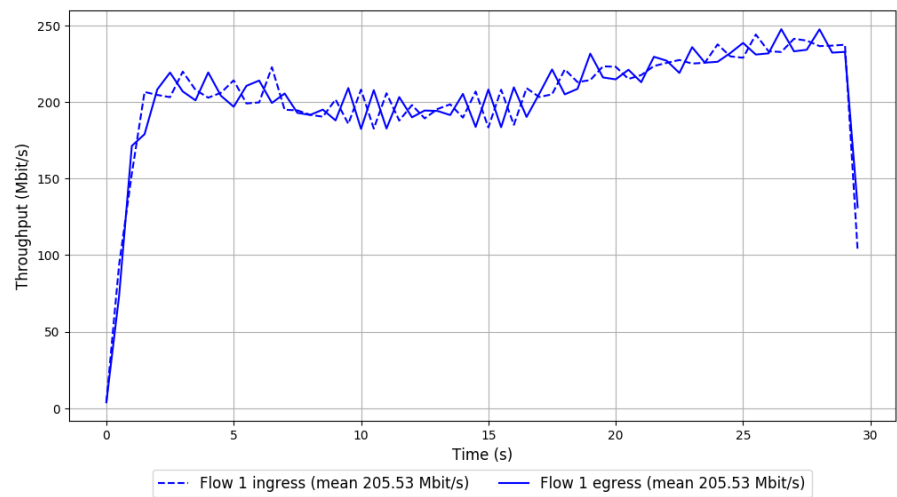


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 14:11:52
End at: 2018-04-24 14:12:22

# Below is generated by plot.py at 2018-04-24 18:26:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.53 Mbit/s
95th percentile per-packet one-way delay: 53.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.53 Mbit/s
95th percentile per-packet one-way delay: 53.673 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 14:24:40

End at: 2018-04-24 14:25:10

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.68 Mbit/s

95th percentile per-packet one-way delay: 53.651 ms

Loss rate: 0.00%

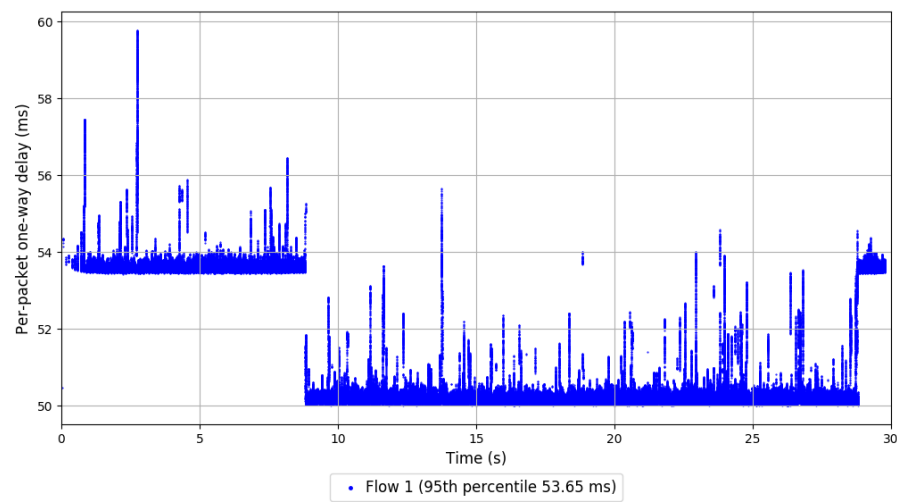
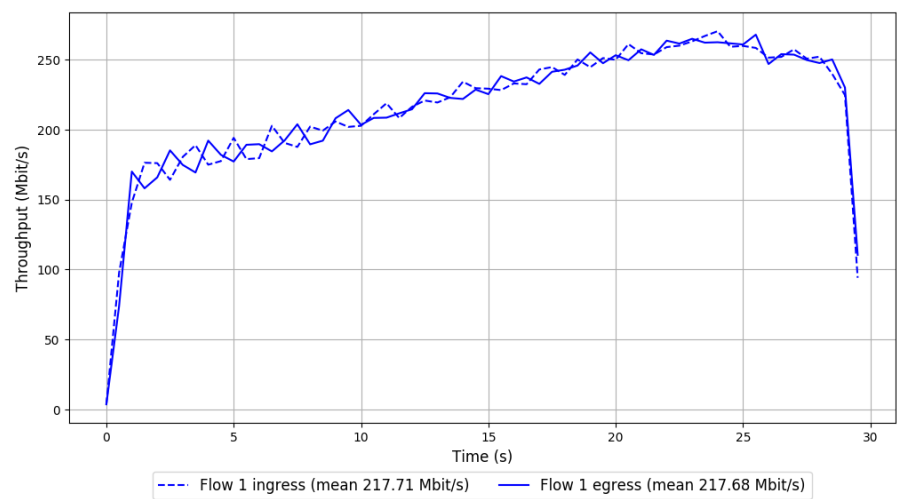
-- Flow 1:

Average throughput: 217.68 Mbit/s

95th percentile per-packet one-way delay: 53.651 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 14:37:46

End at: 2018-04-24 14:38:16

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.50 Mbit/s

95th percentile per-packet one-way delay: 53.719 ms

Loss rate: 0.00%

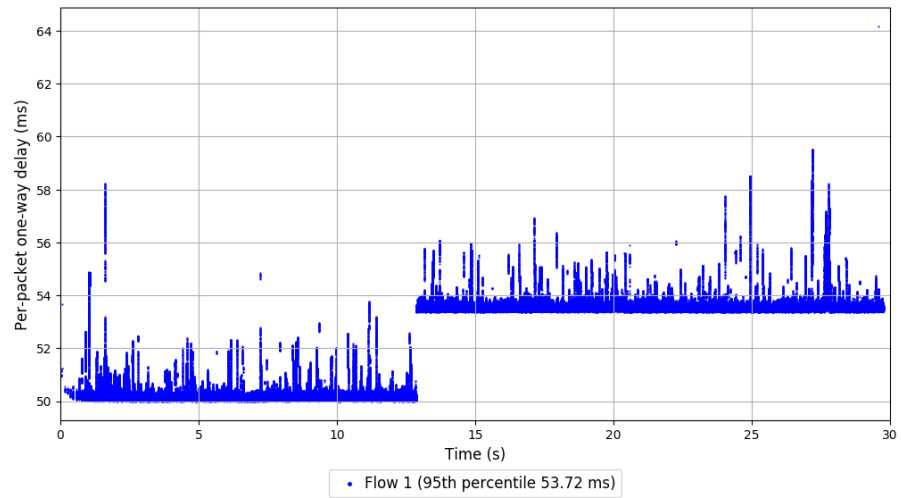
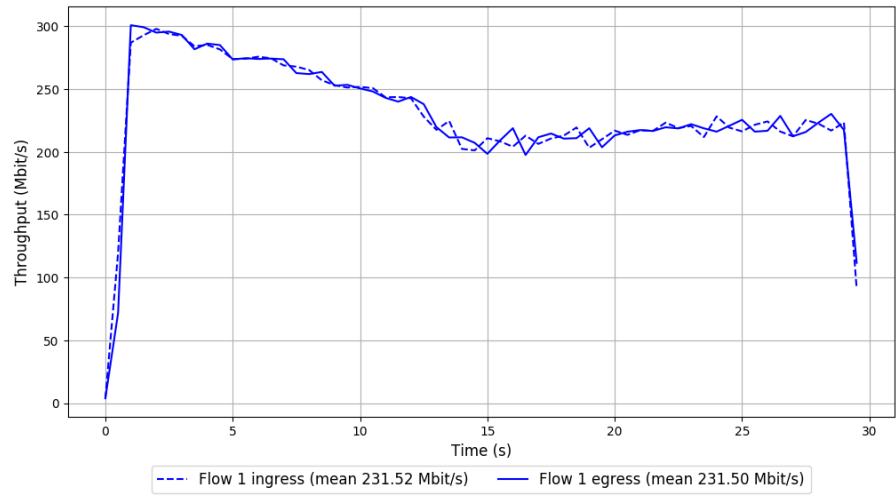
-- Flow 1:

Average throughput: 231.50 Mbit/s

95th percentile per-packet one-way delay: 53.719 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 14:50:53

End at: 2018-04-24 14:51:23

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.73 Mbit/s

95th percentile per-packet one-way delay: 53.624 ms

Loss rate: 0.07%

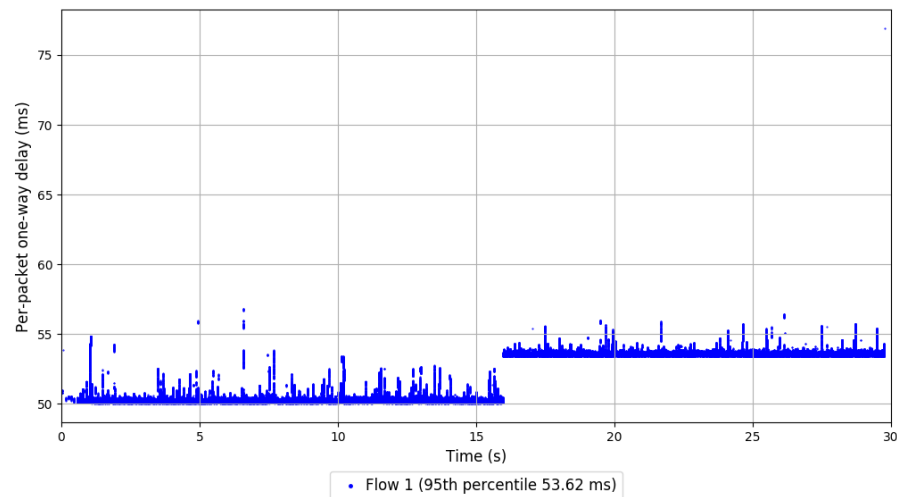
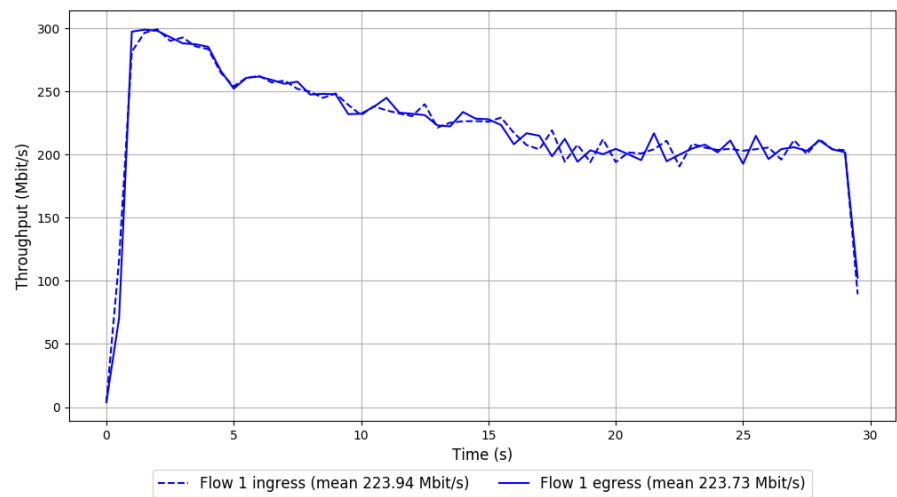
-- Flow 1:

Average throughput: 223.73 Mbit/s

95th percentile per-packet one-way delay: 53.624 ms

Loss rate: 0.07%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 15:03:54

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

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.40 Mbit/s

95th percentile per-packet one-way delay: 53.638 ms

Loss rate: 0.00%

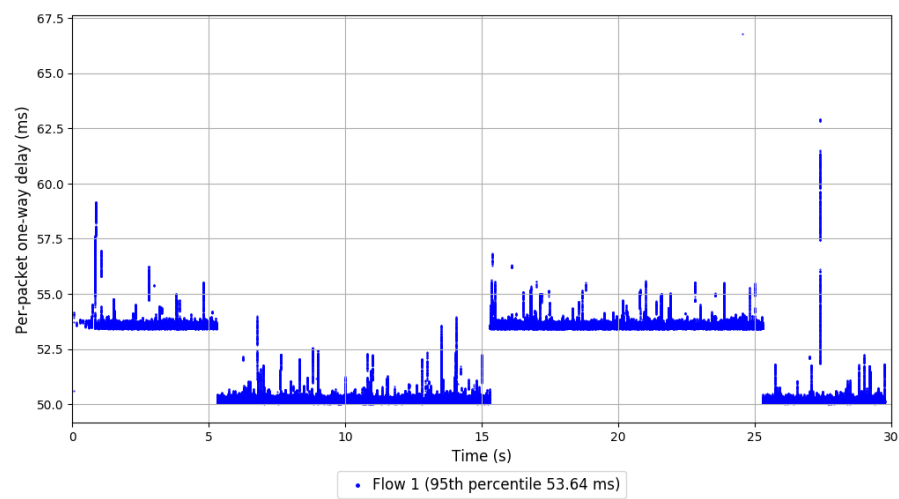
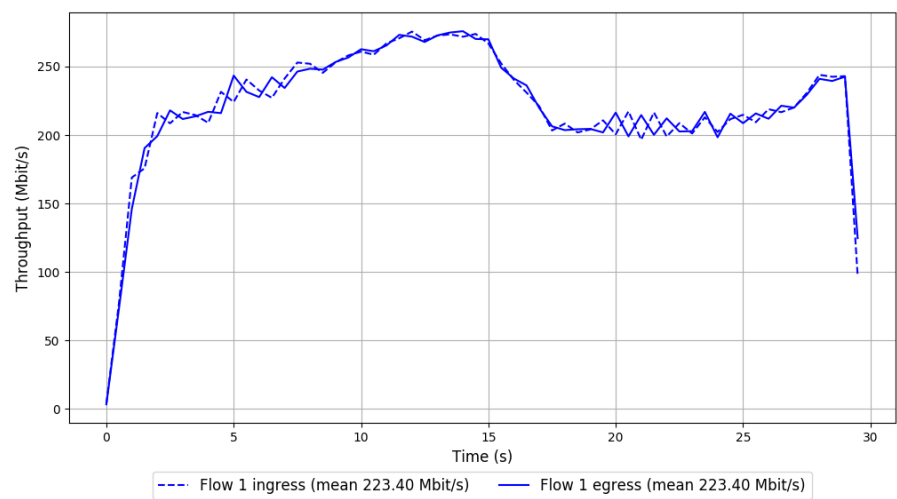
-- Flow 1:

Average throughput: 223.40 Mbit/s

95th percentile per-packet one-way delay: 53.638 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 15:17:03

End at: 2018-04-24 15:17:33

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.49 Mbit/s

95th percentile per-packet one-way delay: 53.679 ms

Loss rate: 0.01%

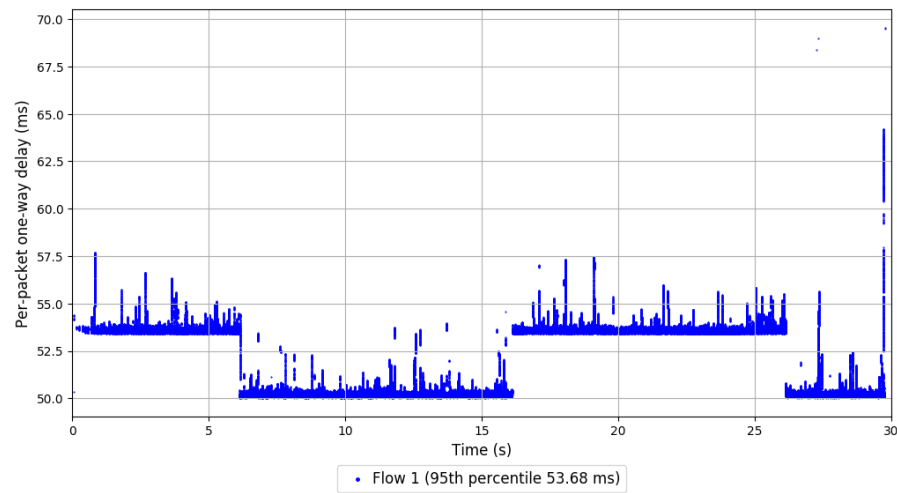
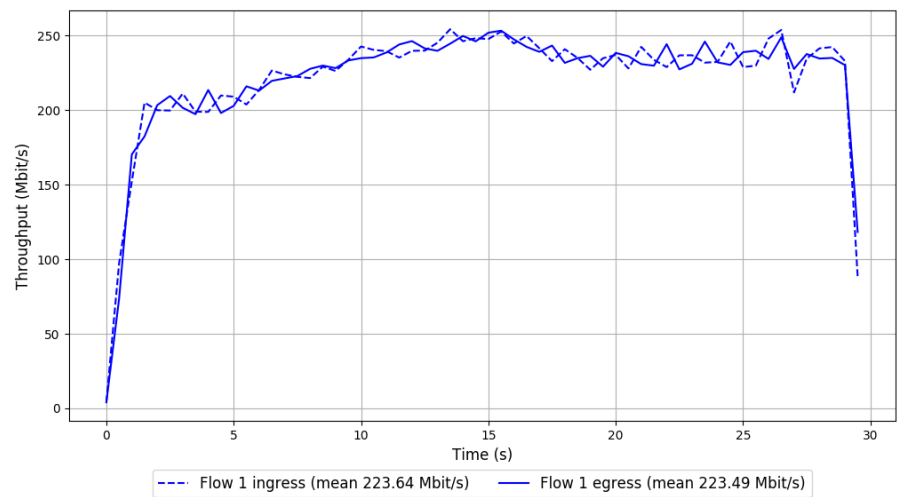
-- Flow 1:

Average throughput: 223.49 Mbit/s

95th percentile per-packet one-way delay: 53.679 ms

Loss rate: 0.01%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 15:29:52

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

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.68 Mbit/s

95th percentile per-packet one-way delay: 53.627 ms

Loss rate: 0.00%

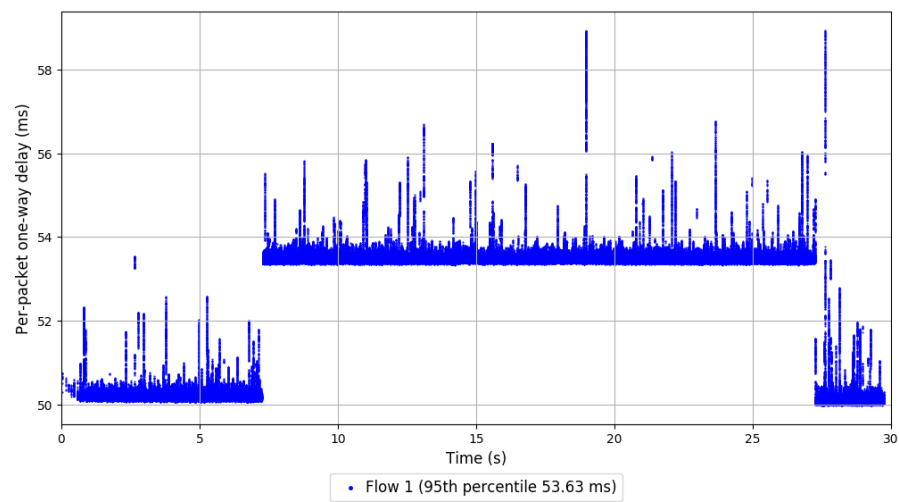
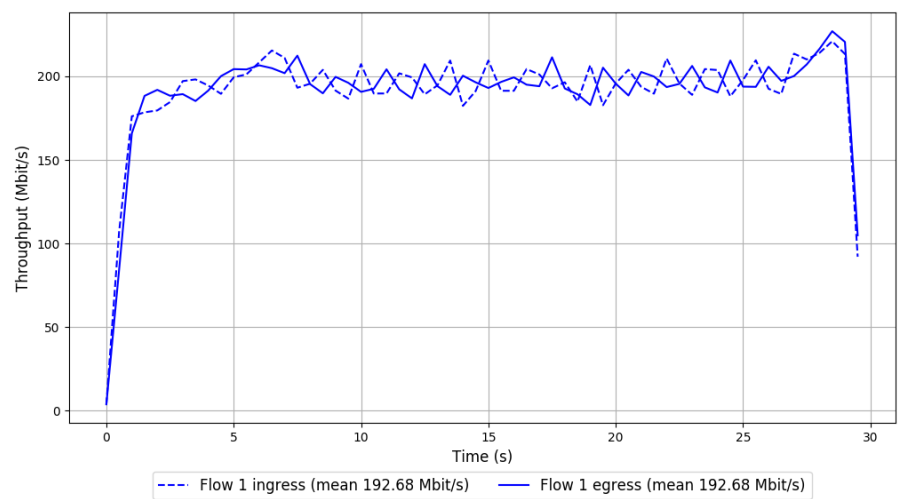
-- Flow 1:

Average throughput: 192.68 Mbit/s

95th percentile per-packet one-way delay: 53.627 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 15:42:56

End at: 2018-04-24 15:43:26

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.12 Mbit/s

95th percentile per-packet one-way delay: 50.256 ms

Loss rate: 0.00%

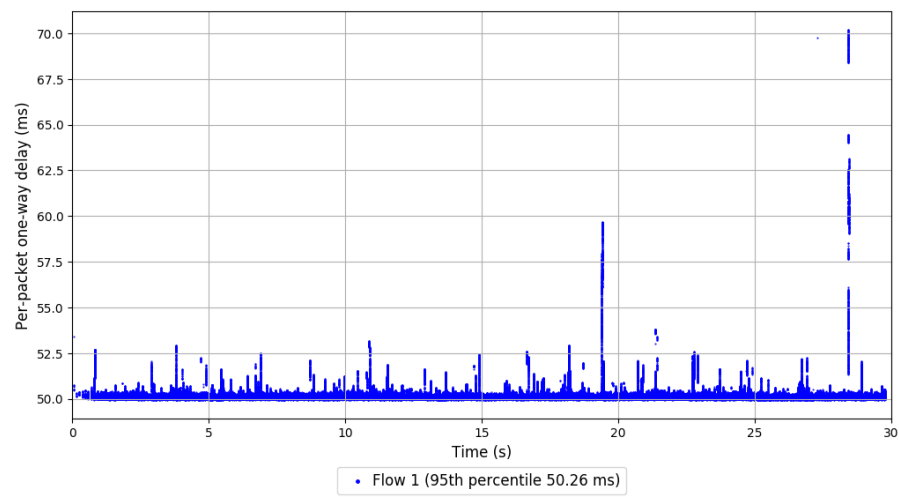
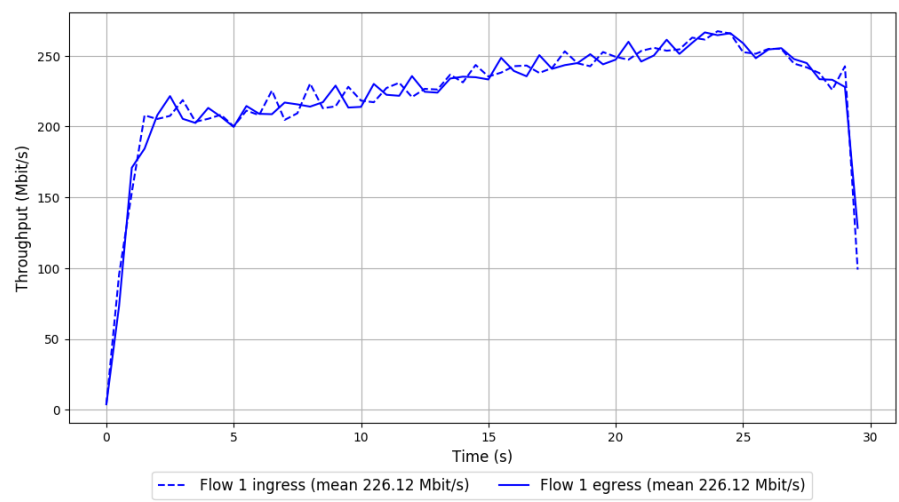
-- Flow 1:

Average throughput: 226.12 Mbit/s

95th percentile per-packet one-way delay: 50.256 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 15:55:51

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

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.10 Mbit/s

95th percentile per-packet one-way delay: 53.707 ms

Loss rate: 0.00%

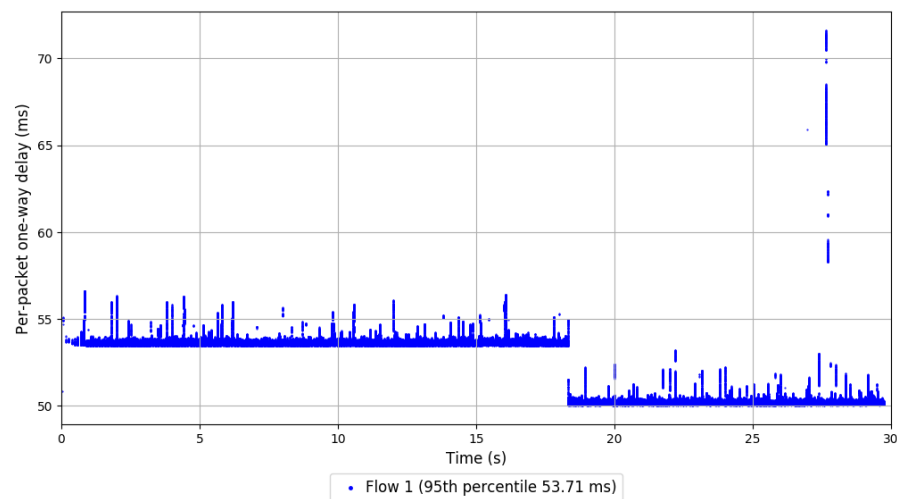
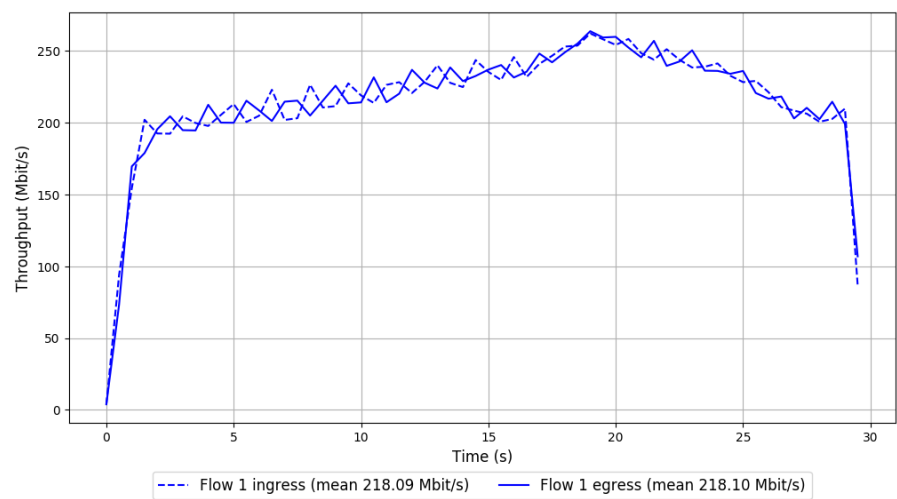
-- Flow 1:

Average throughput: 218.10 Mbit/s

95th percentile per-packet one-way delay: 53.707 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 13:57:06

End at: 2018-04-24 13:57:36

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.70 Mbit/s

95th percentile per-packet one-way delay: 57.743 ms

Loss rate: 0.04%

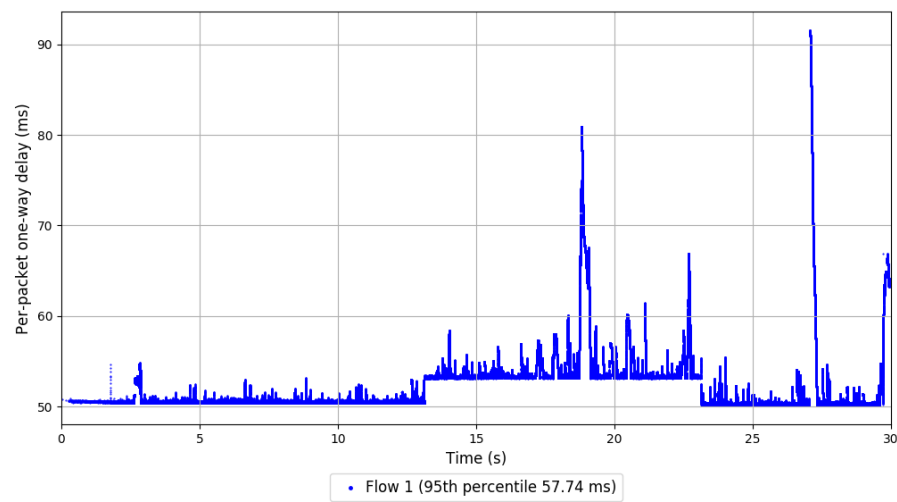
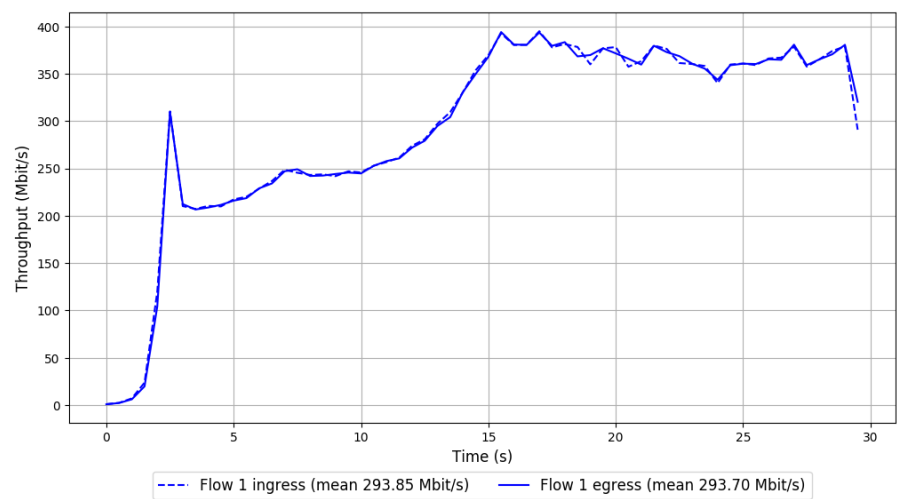
-- Flow 1:

Average throughput: 293.70 Mbit/s

95th percentile per-packet one-way delay: 57.743 ms

Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 14:10:13

End at: 2018-04-24 14:10:43

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.30 Mbit/s

95th percentile per-packet one-way delay: 54.341 ms

Loss rate: 0.07%

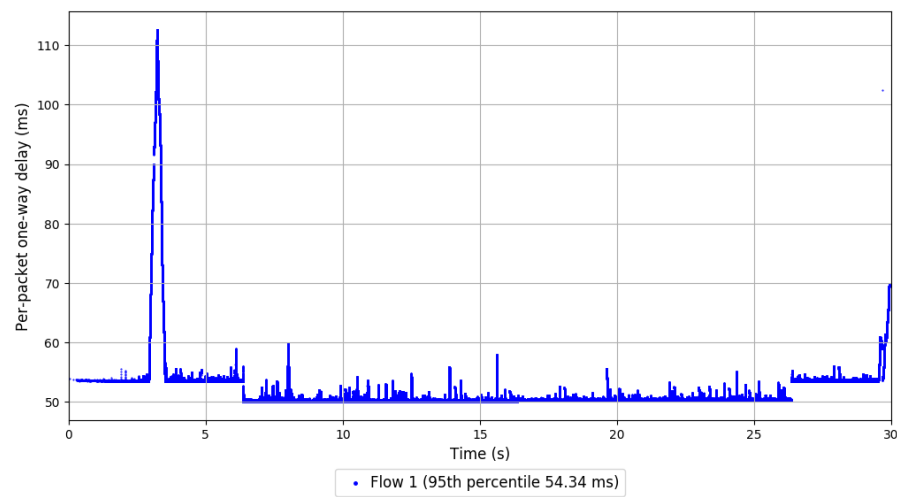
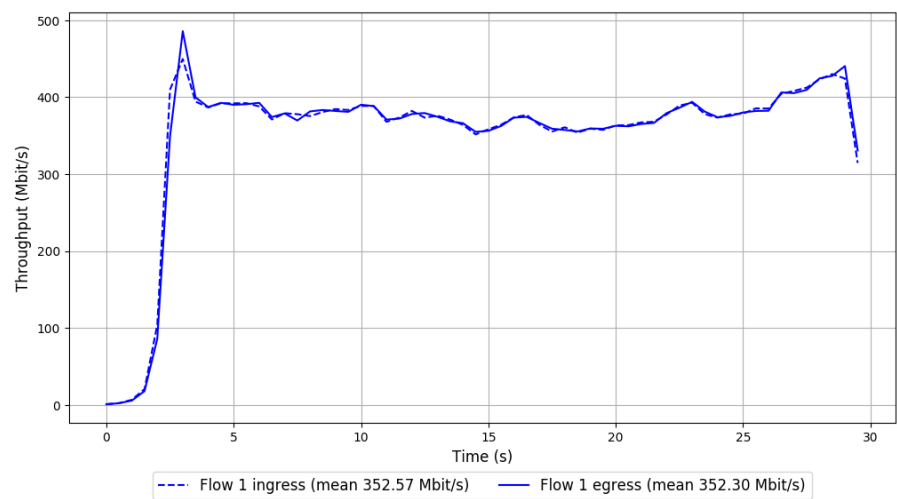
-- Flow 1:

Average throughput: 352.30 Mbit/s

95th percentile per-packet one-way delay: 54.341 ms

Loss rate: 0.07%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 14:23:01

End at: 2018-04-24 14:23:31

Below is generated by plot.py at 2018-04-24 18:26:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.99 Mbit/s

95th percentile per-packet one-way delay: 67.746 ms

Loss rate: 0.00%

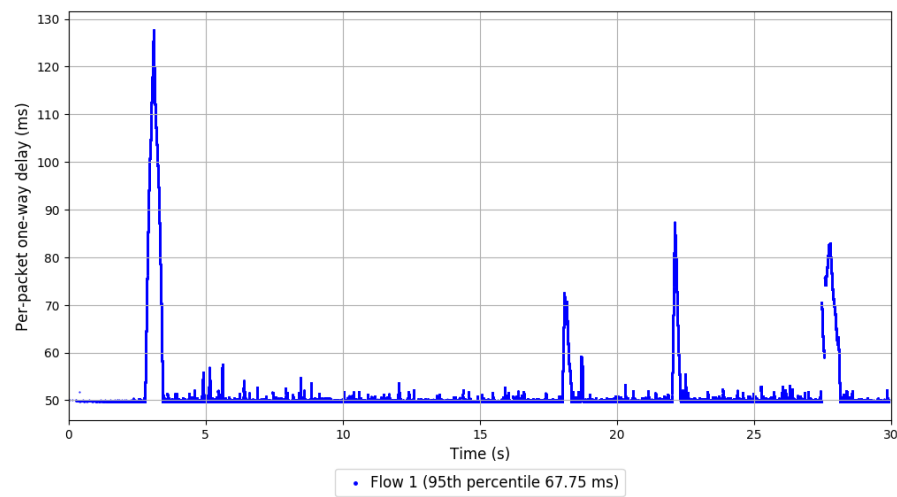
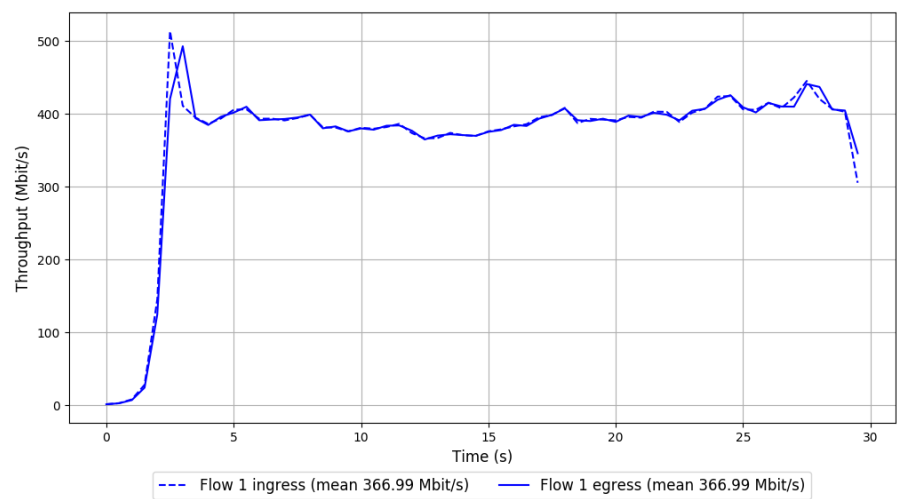
-- Flow 1:

Average throughput: 366.99 Mbit/s

95th percentile per-packet one-way delay: 67.746 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 14:36:06

End at: 2018-04-24 14:36:36

Below is generated by plot.py at 2018-04-24 18:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.71 Mbit/s

95th percentile per-packet one-way delay: 58.014 ms

Loss rate: 0.01%

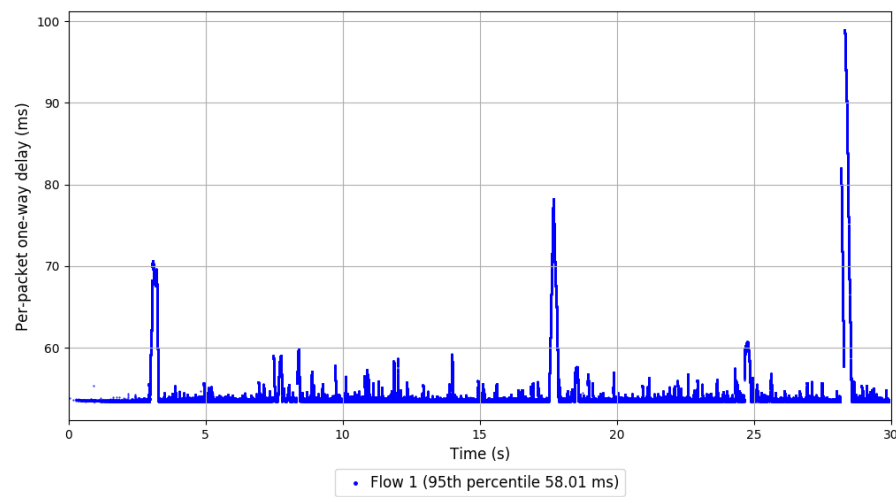
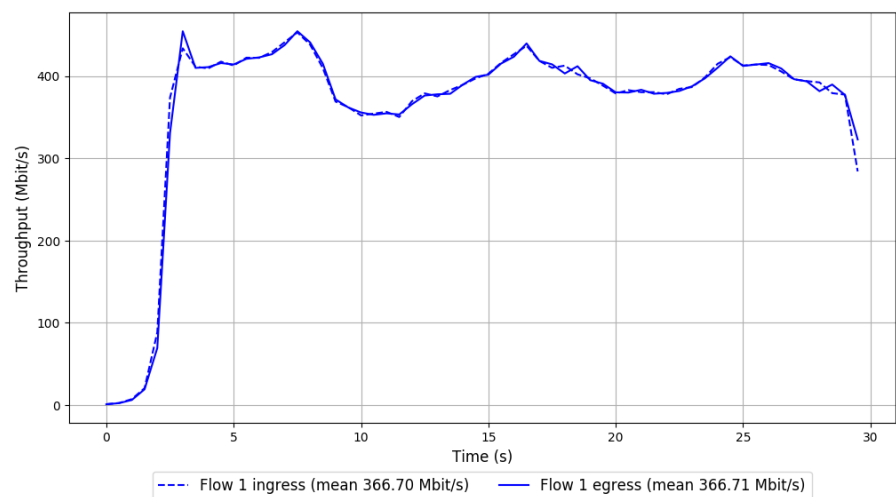
-- Flow 1:

Average throughput: 366.71 Mbit/s

95th percentile per-packet one-way delay: 58.014 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 14:49:11

End at: 2018-04-24 14:49:41

Below is generated by plot.py at 2018-04-24 18:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.43 Mbit/s

95th percentile per-packet one-way delay: 54.786 ms

Loss rate: 0.00%

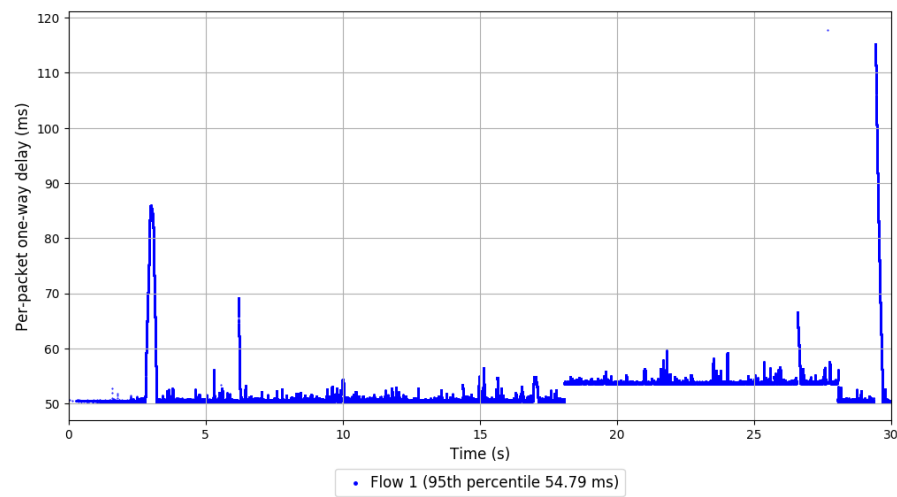
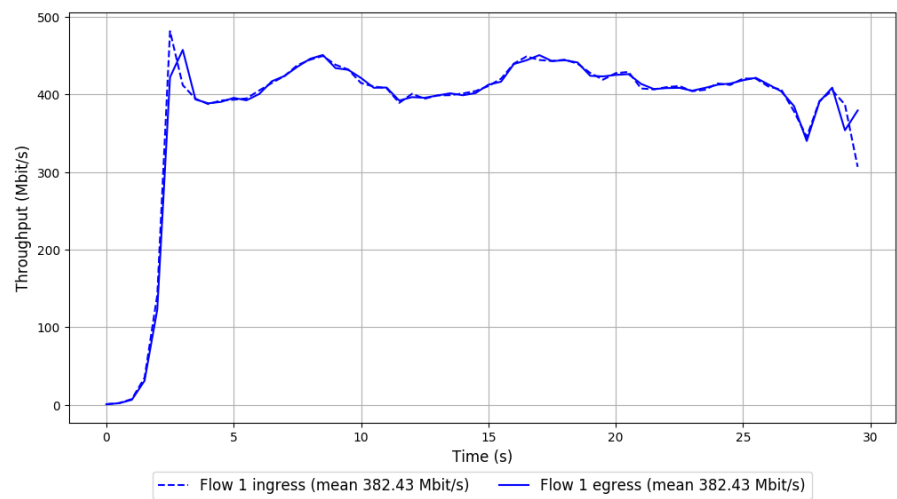
-- Flow 1:

Average throughput: 382.43 Mbit/s

95th percentile per-packet one-way delay: 54.786 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 15:02:15

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

Below is generated by plot.py at 2018-04-24 18:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.36 Mbit/s

95th percentile per-packet one-way delay: 54.356 ms

Loss rate: 0.01%

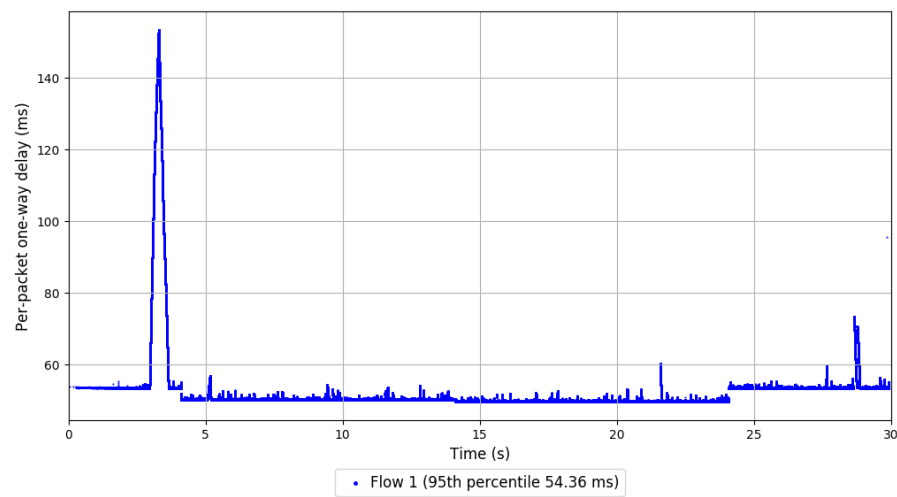
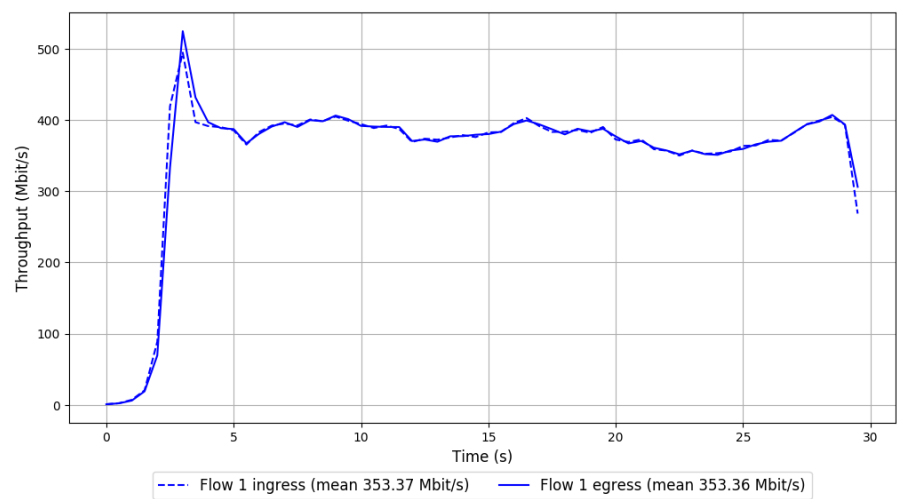
-- Flow 1:

Average throughput: 353.36 Mbit/s

95th percentile per-packet one-way delay: 54.356 ms

Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

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

End at: 2018-04-24 15:15:54

Below is generated by plot.py at 2018-04-24 18:28:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.13 Mbit/s

95th percentile per-packet one-way delay: 64.770 ms

Loss rate: 0.01%

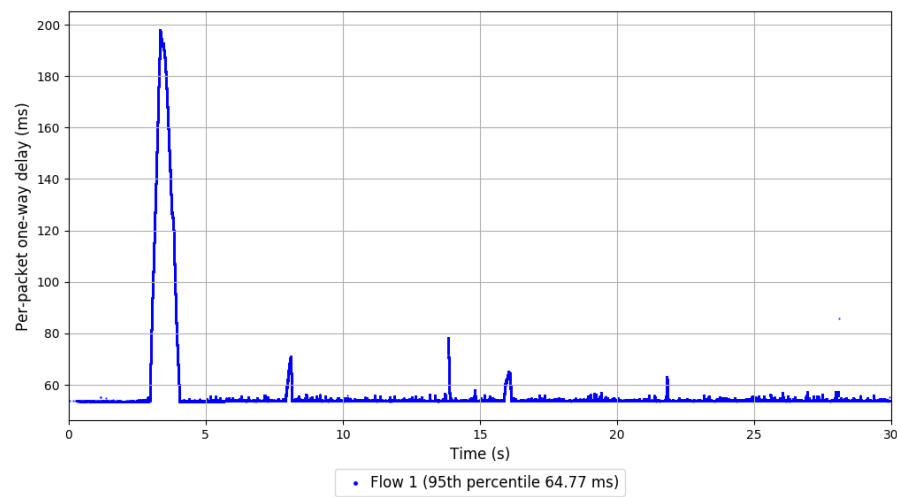
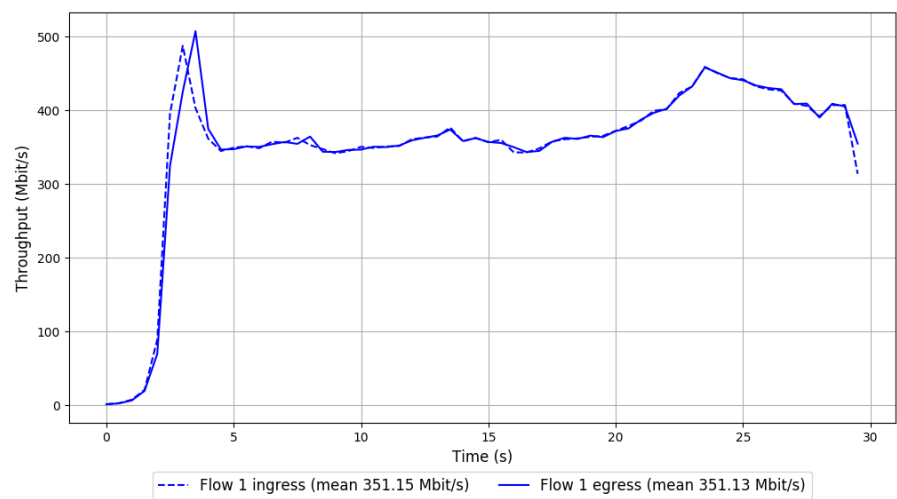
-- Flow 1:

Average throughput: 351.13 Mbit/s

95th percentile per-packet one-way delay: 64.770 ms

Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 15:28:13

End at: 2018-04-24 15:28:43

Below is generated by plot.py at 2018-04-24 18:28:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 344.60 Mbit/s

95th percentile per-packet one-way delay: 70.234 ms

Loss rate: 0.03%

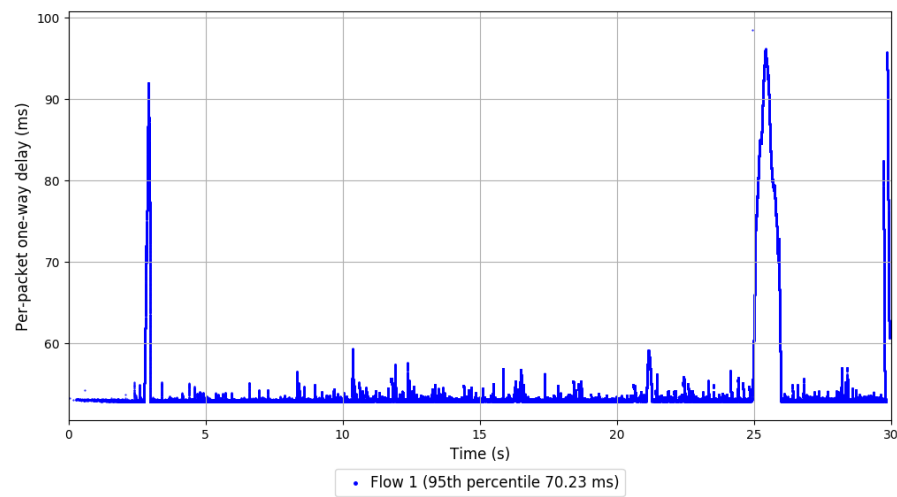
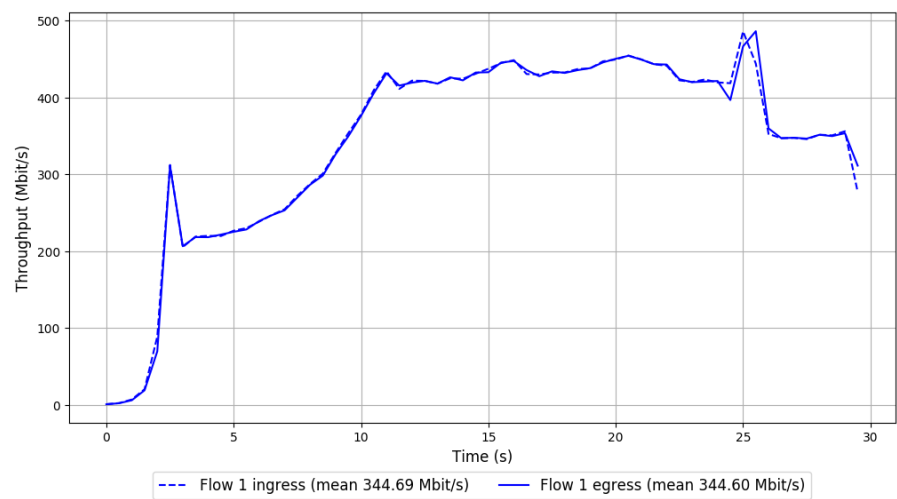
-- Flow 1:

Average throughput: 344.60 Mbit/s

95th percentile per-packet one-way delay: 70.234 ms

Loss rate: 0.03%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 15:41:20

End at: 2018-04-24 15:41:50

Below is generated by plot.py at 2018-04-24 18:28:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.65 Mbit/s

95th percentile per-packet one-way delay: 53.263 ms

Loss rate: 0.00%

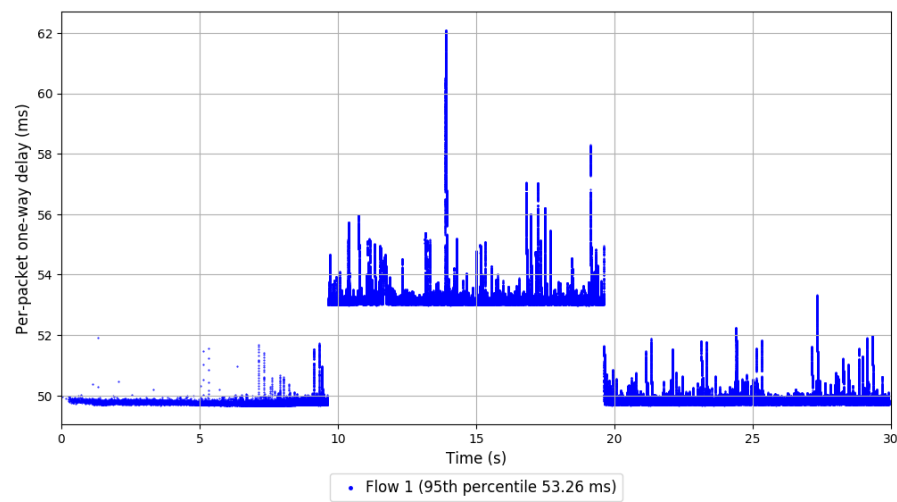
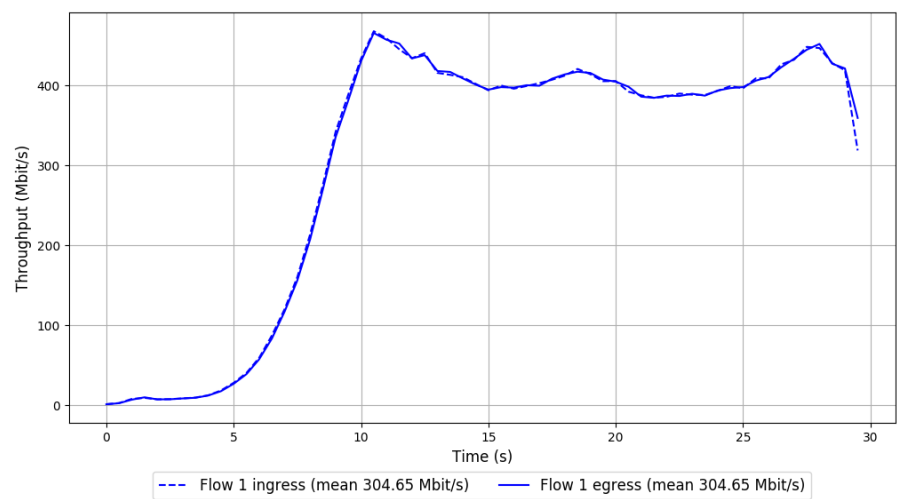
-- Flow 1:

Average throughput: 304.65 Mbit/s

95th percentile per-packet one-way delay: 53.263 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 15:54:13

End at: 2018-04-24 15:54:43

Below is generated by plot.py at 2018-04-24 18:29:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.72 Mbit/s

95th percentile per-packet one-way delay: 74.027 ms

Loss rate: 0.05%

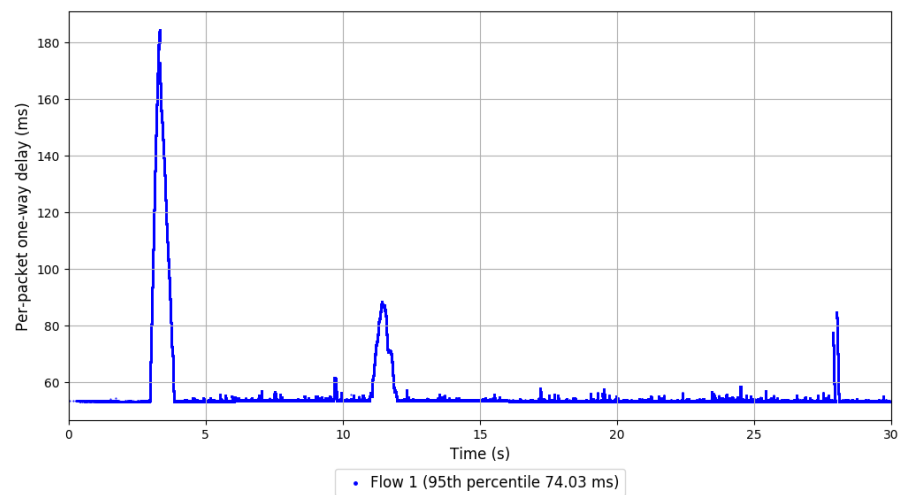
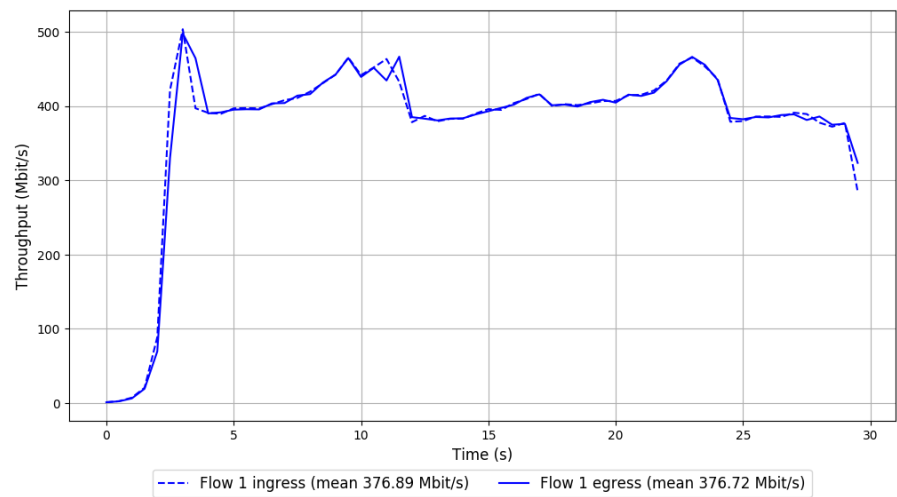
-- Flow 1:

Average throughput: 376.72 Mbit/s

95th percentile per-packet one-way delay: 74.027 ms

Loss rate: 0.05%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 14:01:01

End at: 2018-04-24 14:01:31

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 14:13:59

End at: 2018-04-24 14:14:29

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 14:27:08

End at: 2018-04-24 14:27:38

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 14:39:54

End at: 2018-04-24 14:40:24

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 14:53:07

End at: 2018-04-24 14:53:37

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 15:06:19

End at: 2018-04-24 15:06:49

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 15:19:11

End at: 2018-04-24 15:19:41

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 15:32:15

End at: 2018-04-24 15:32:45

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 15:45:06

End at: 2018-04-24 15:45:36

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 15:57:58

End at: 2018-04-24 15:58:28

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing