

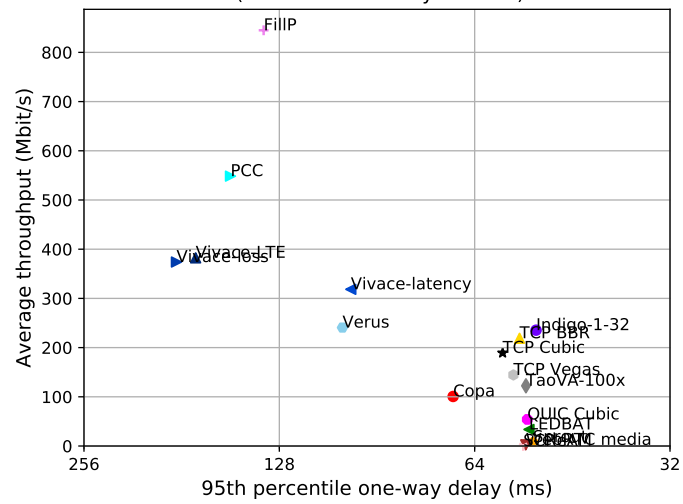
Pantheon Report

Generated at 2018-03-06 09:13:09 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

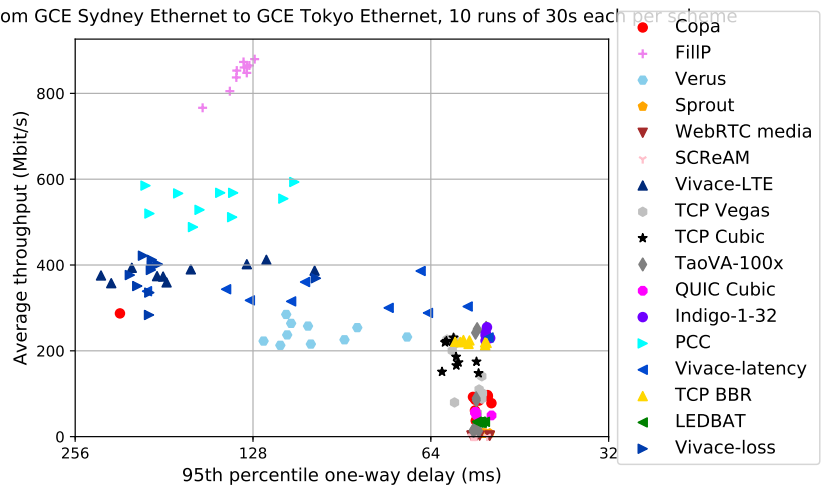
Git summary:

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

test from GCE 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	219.01	54.58	0.00
TCP Cubic	10	189.26	57.96	0.01
LEDBAT	10	33.64	52.79	0.01
PCC	10	548.49	152.21	1.93
QUIC Cubic	5	54.04	53.10	0.00
SCReAM	10	0.19	53.87	0.00
WebRTC media	10	2.32	53.39	0.01
Sprout	10	7.88	52.05	0.00
TaoVA-100x	10	122.37	53.35	0.00
TCP Vegas	10	144.44	55.78	0.01
Verus	10	240.70	102.32	0.55
Copa	10	100.68	69.09	3.01
FillP	10	844.89	135.33	8.31
Indigo-1-32	10	235.44	51.47	0.01
Vivace-latency	10	318.45	99.34	0.17
Vivace-loss	10	373.93	184.38	2.68
Vivace-LTE	10	382.47	172.26	0.61

Run 1: Statistics of TCP BBR

Start at: 2018-03-06 03:54:48

End at: 2018-03-06 03:55:18

Below is generated by plot.py at 2018-03-06 07:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.16 Mbit/s

95th percentile per-packet one-way delay: 58.212 ms

Loss rate: 0.00%

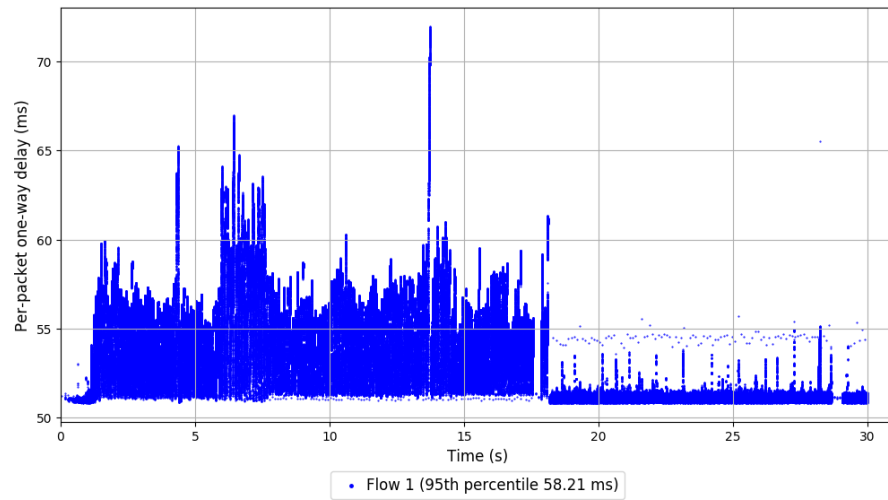
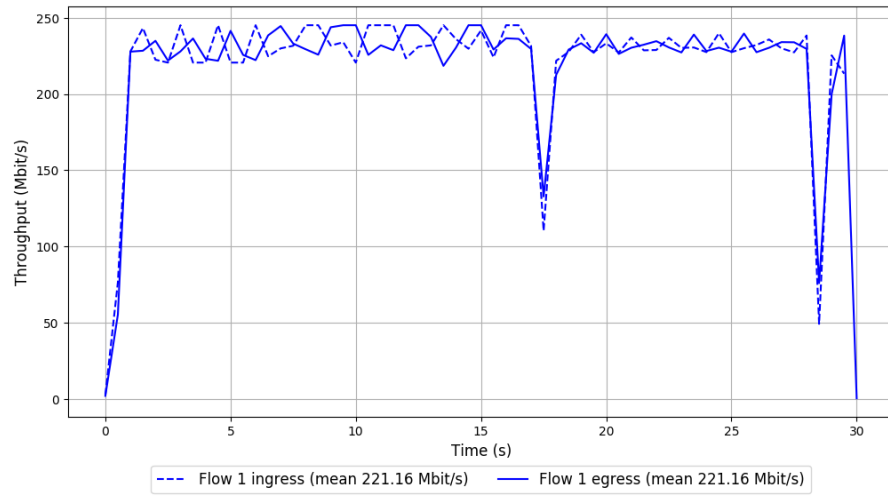
-- Flow 1:

Average throughput: 221.16 Mbit/s

95th percentile per-packet one-way delay: 58.212 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-06 04:09:11

End at: 2018-03-06 04:09:41

Below is generated by plot.py at 2018-03-06 07:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.14 Mbit/s

95th percentile per-packet one-way delay: 55.249 ms

Loss rate: 0.00%

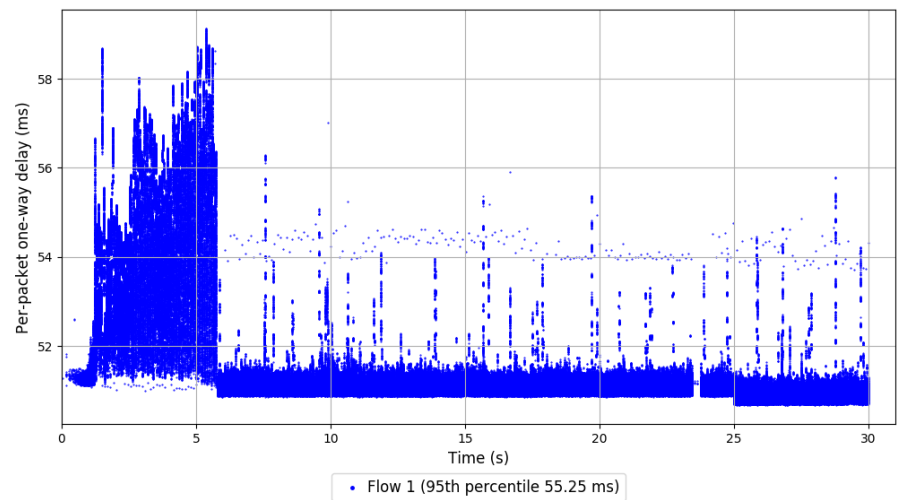
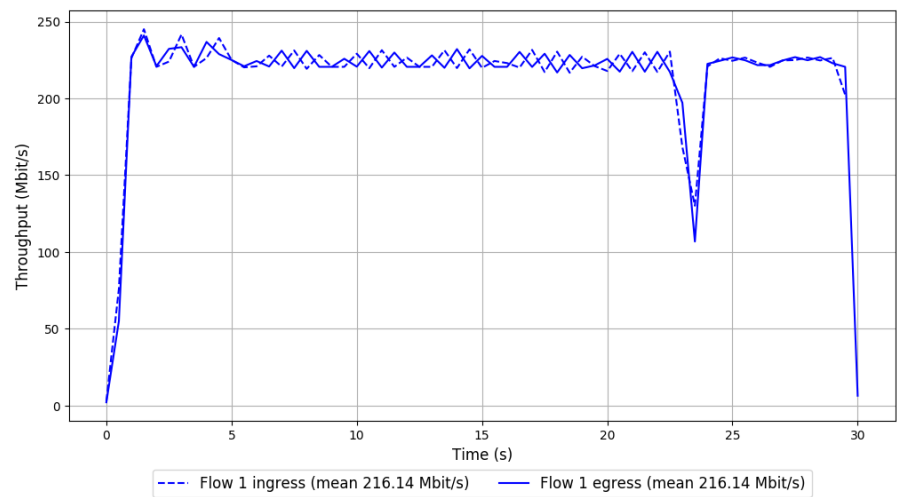
-- Flow 1:

Average throughput: 216.14 Mbit/s

95th percentile per-packet one-way delay: 55.249 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-06 04:23:50

End at: 2018-03-06 04:24:20

Below is generated by plot.py at 2018-03-06 07:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.12 Mbit/s

95th percentile per-packet one-way delay: 51.766 ms

Loss rate: 0.00%

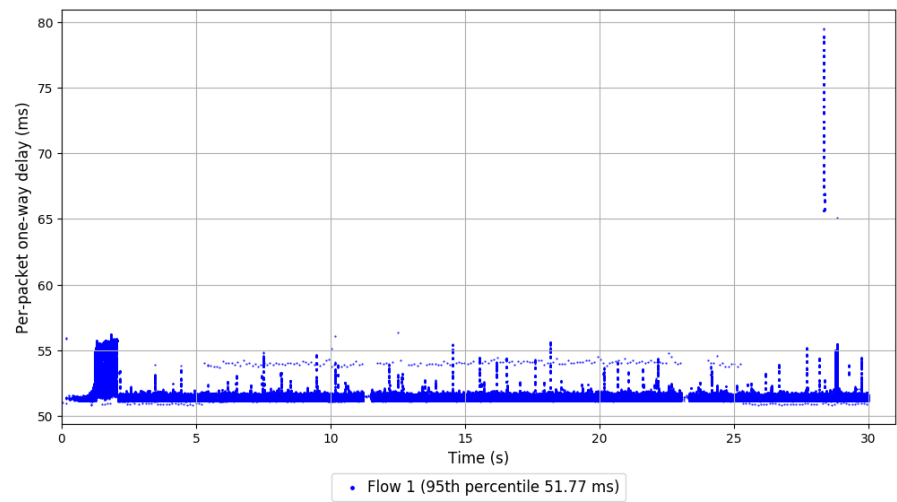
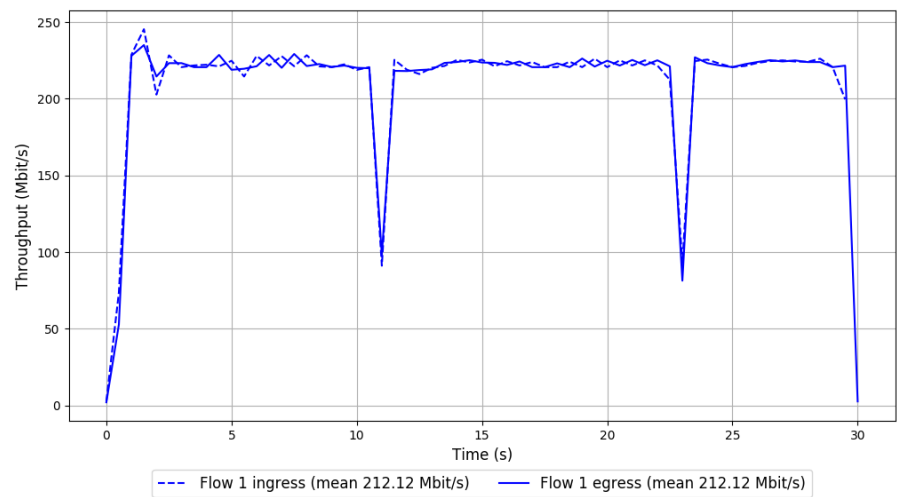
-- Flow 1:

Average throughput: 212.12 Mbit/s

95th percentile per-packet one-way delay: 51.766 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-06 04:38:21

End at: 2018-03-06 04:38:51

Below is generated by plot.py at 2018-03-06 07:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.43 Mbit/s

95th percentile per-packet one-way delay: 51.486 ms

Loss rate: 0.00%

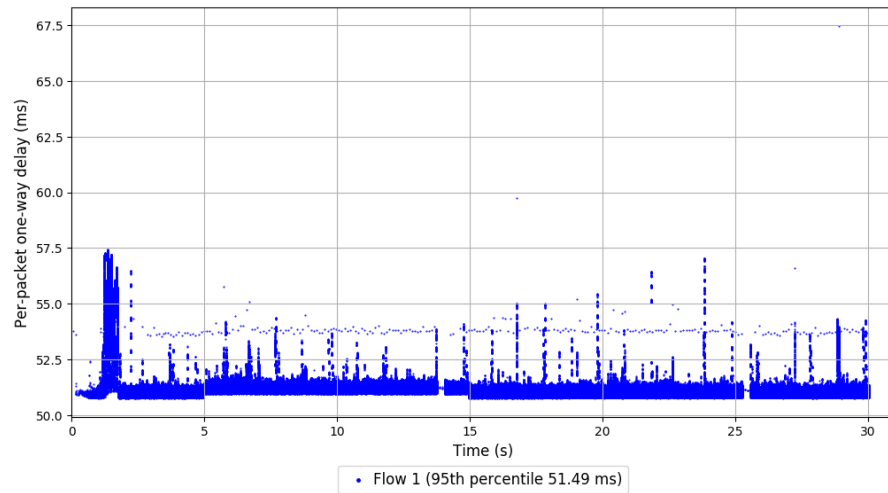
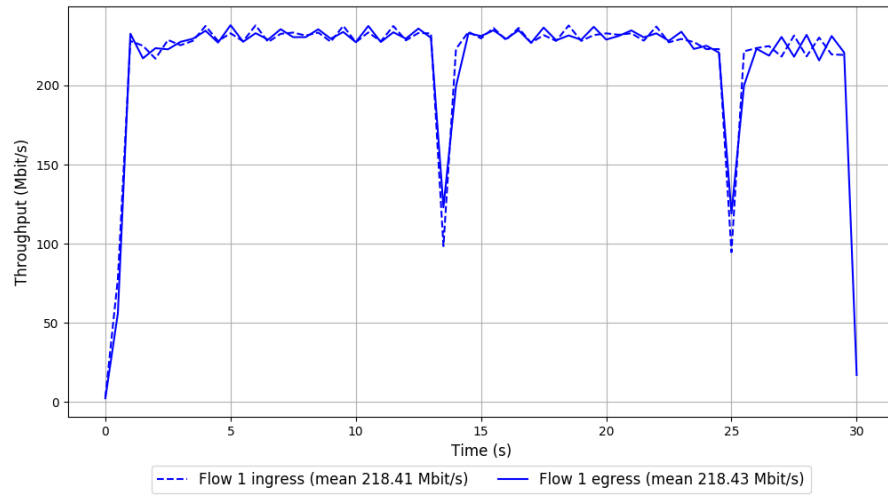
-- Flow 1:

Average throughput: 218.43 Mbit/s

95th percentile per-packet one-way delay: 51.486 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-06 04:52:37

End at: 2018-03-06 04:53:07

Below is generated by plot.py at 2018-03-06 07:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.61 Mbit/s

95th percentile per-packet one-way delay: 51.806 ms

Loss rate: 0.00%

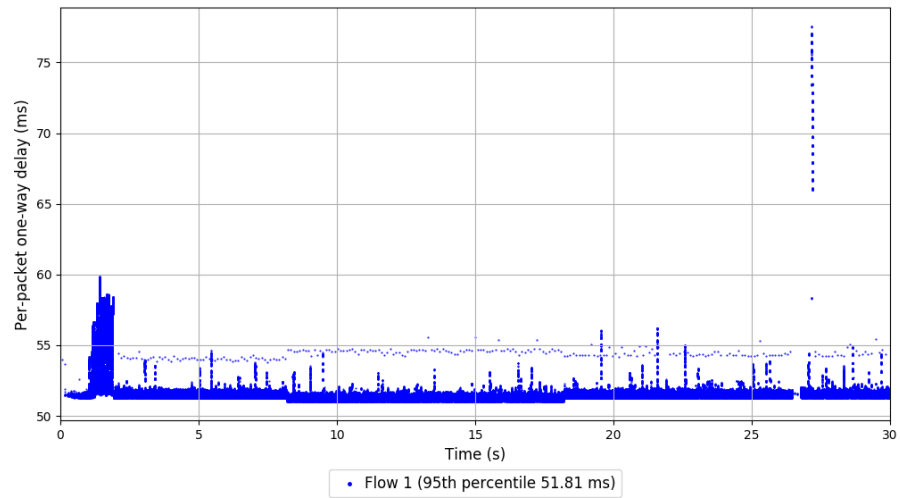
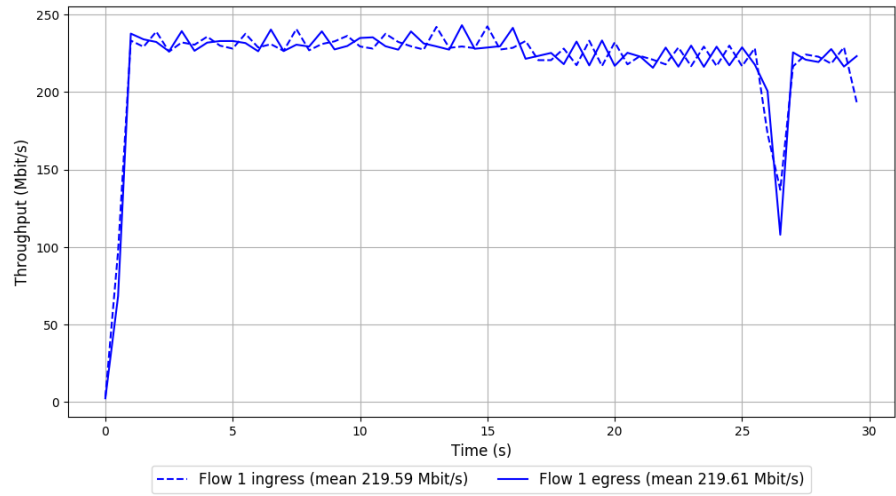
-- Flow 1:

Average throughput: 219.61 Mbit/s

95th percentile per-packet one-way delay: 51.806 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-06 05:07:12

End at: 2018-03-06 05:07:42

Below is generated by plot.py at 2018-03-06 07:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.09 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.00%

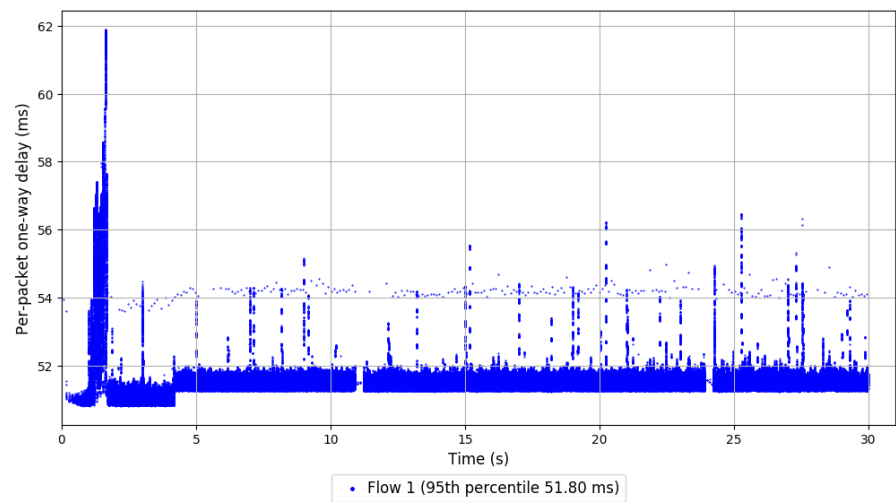
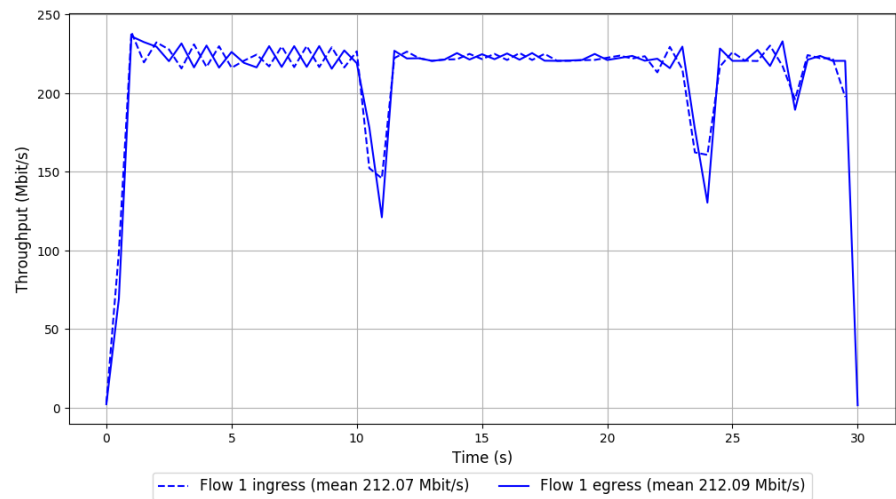
-- Flow 1:

Average throughput: 212.09 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-03-06 05:21:43

End at: 2018-03-06 05:22:13

Below is generated by plot.py at 2018-03-06 07:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.49 Mbit/s

95th percentile per-packet one-way delay: 57.013 ms

Loss rate: 0.00%

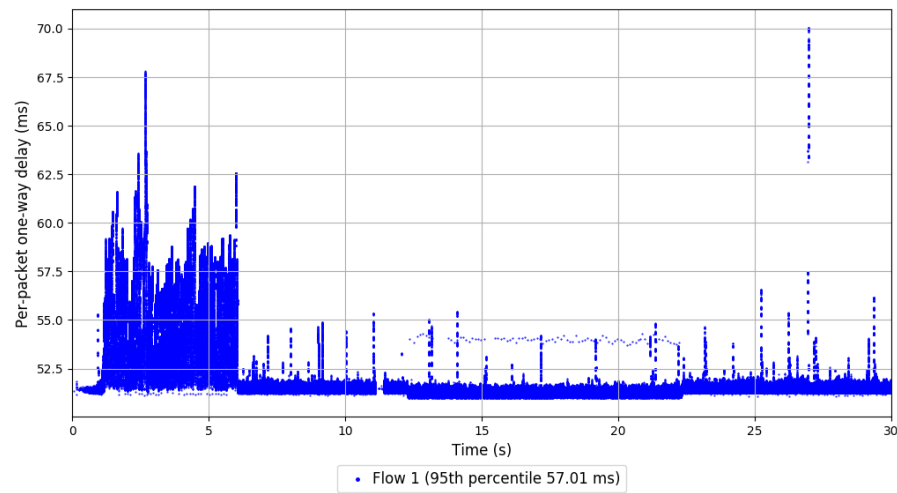
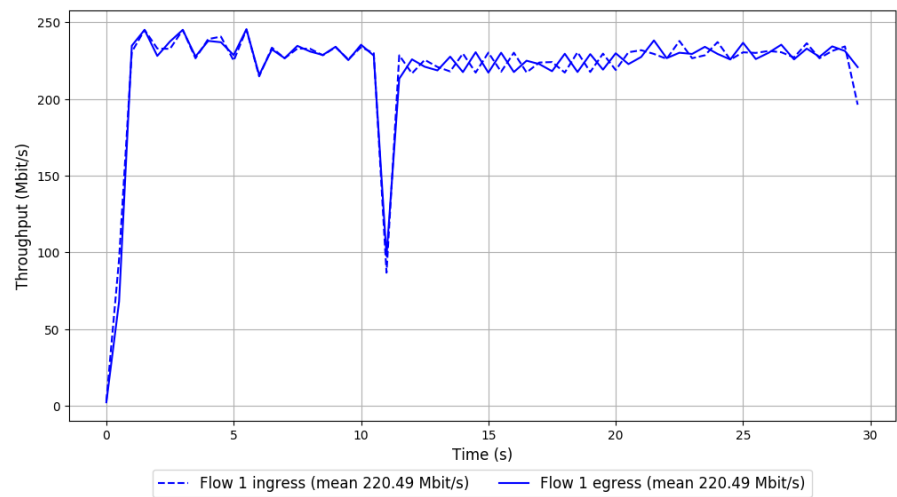
-- Flow 1:

Average throughput: 220.49 Mbit/s

95th percentile per-packet one-way delay: 57.013 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-06 05:35:59

End at: 2018-03-06 05:36:29

Below is generated by plot.py at 2018-03-06 07:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.21 Mbit/s

95th percentile per-packet one-way delay: 56.360 ms

Loss rate: 0.00%

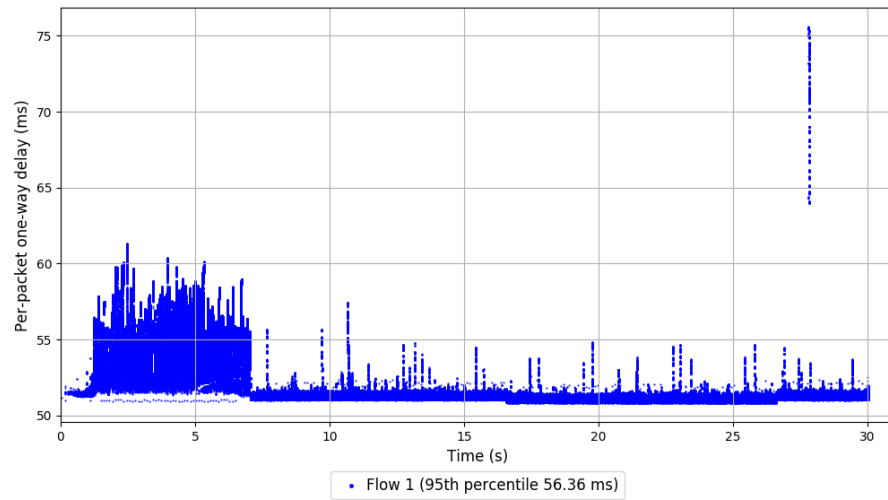
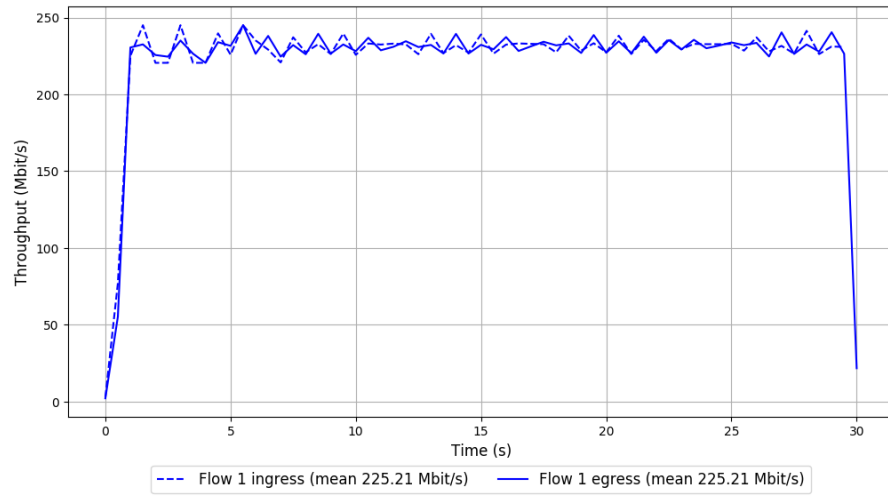
-- Flow 1:

Average throughput: 225.21 Mbit/s

95th percentile per-packet one-way delay: 56.360 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-03-06 05:50:34

End at: 2018-03-06 05:51:04

Below is generated by plot.py at 2018-03-06 07:53:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.53 Mbit/s

95th percentile per-packet one-way delay: 57.059 ms

Loss rate: 0.00%

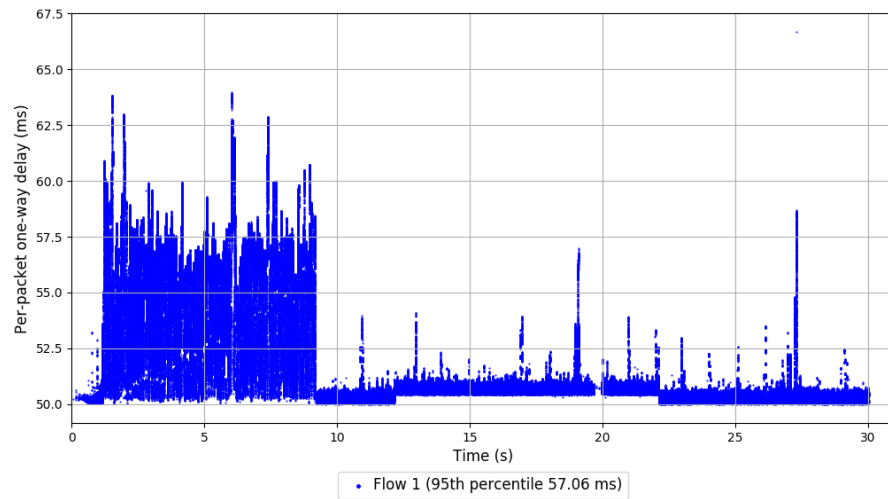
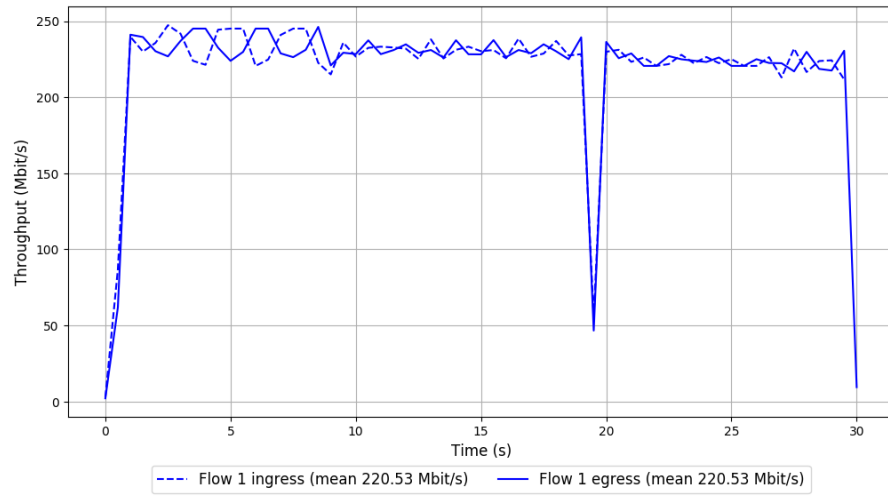
-- Flow 1:

Average throughput: 220.53 Mbit/s

95th percentile per-packet one-way delay: 57.059 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-06 06:04:53

End at: 2018-03-06 06:05:23

Below is generated by plot.py at 2018-03-06 07:53:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.34 Mbit/s

95th percentile per-packet one-way delay: 55.051 ms

Loss rate: 0.00%

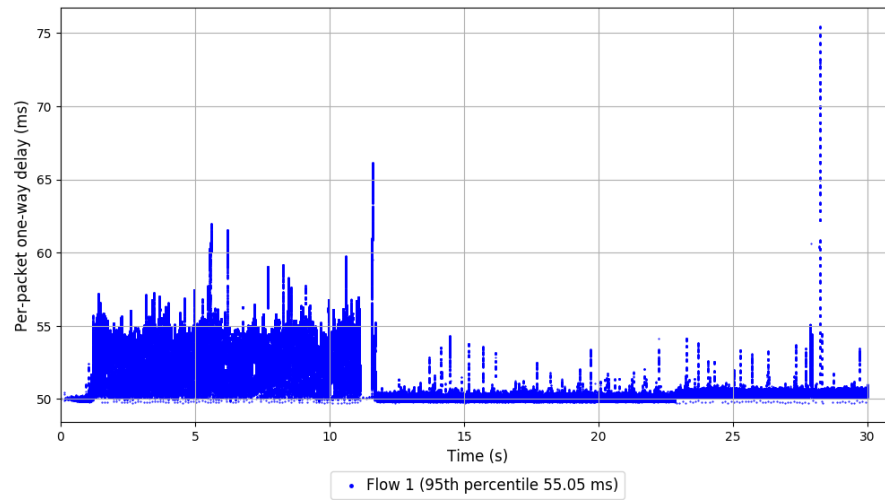
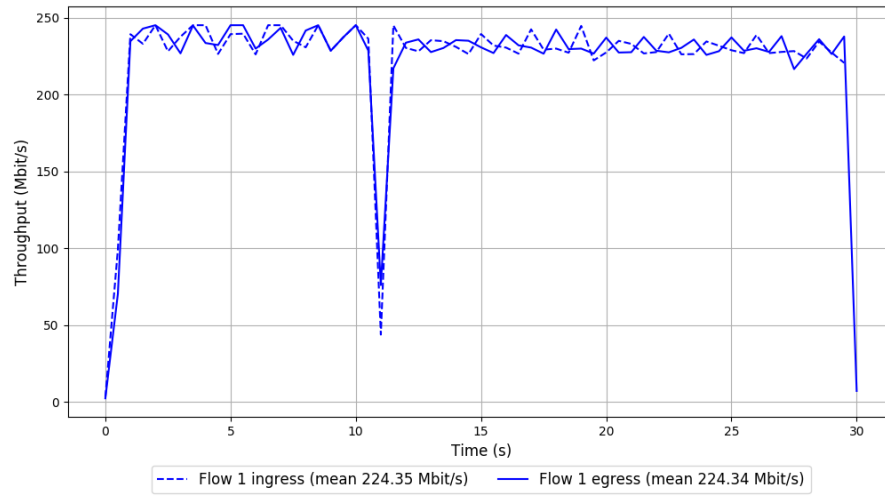
-- Flow 1:

Average throughput: 224.34 Mbit/s

95th percentile per-packet one-way delay: 55.051 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-06 03:45:41

End at: 2018-03-06 03:46:11

Below is generated by plot.py at 2018-03-06 07:53:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.74 Mbit/s

95th percentile per-packet one-way delay: 53.137 ms

Loss rate: 0.00%

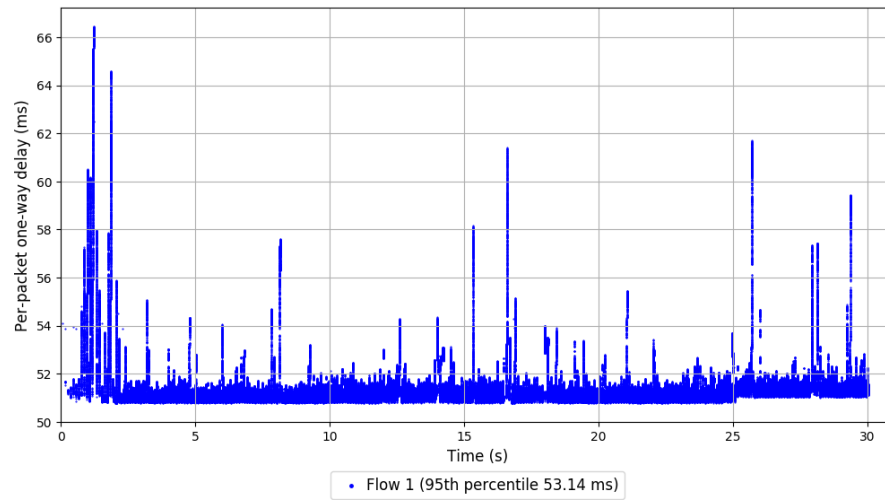
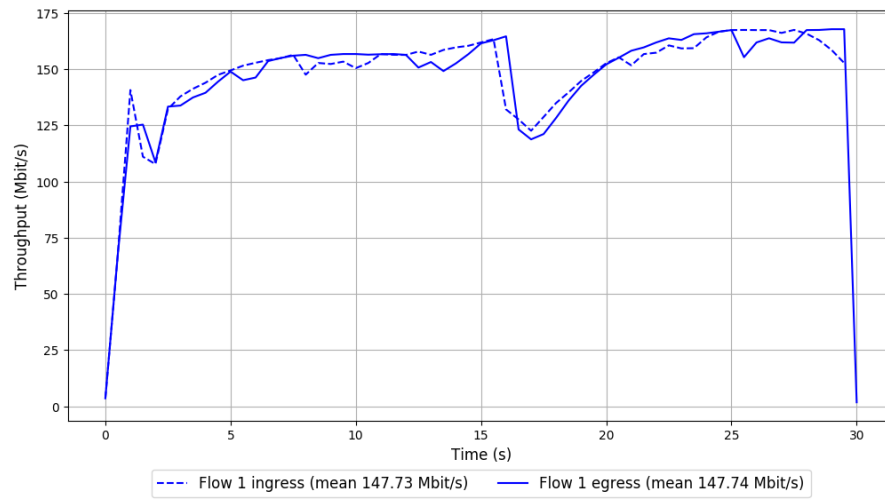
-- Flow 1:

Average throughput: 147.74 Mbit/s

95th percentile per-packet one-way delay: 53.137 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-06 03:59:58

End at: 2018-03-06 04:00:28

Below is generated by plot.py at 2018-03-06 07:53:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.58 Mbit/s

95th percentile per-packet one-way delay: 58.582 ms

Loss rate: 0.00%

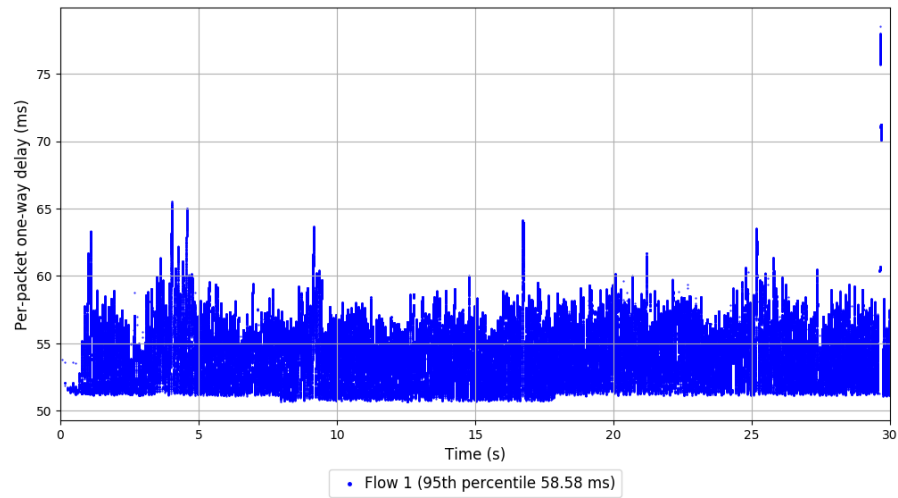
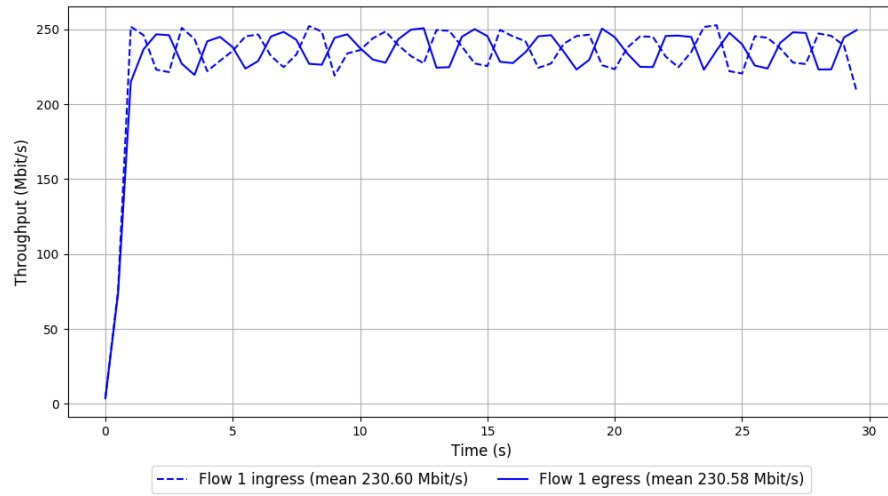
-- Flow 1:

Average throughput: 230.58 Mbit/s

95th percentile per-packet one-way delay: 58.582 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-06 04:14:28

End at: 2018-03-06 04:14:59

Below is generated by plot.py at 2018-03-06 07:53:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.16 Mbit/s

95th percentile per-packet one-way delay: 61.267 ms

Loss rate: 0.00%

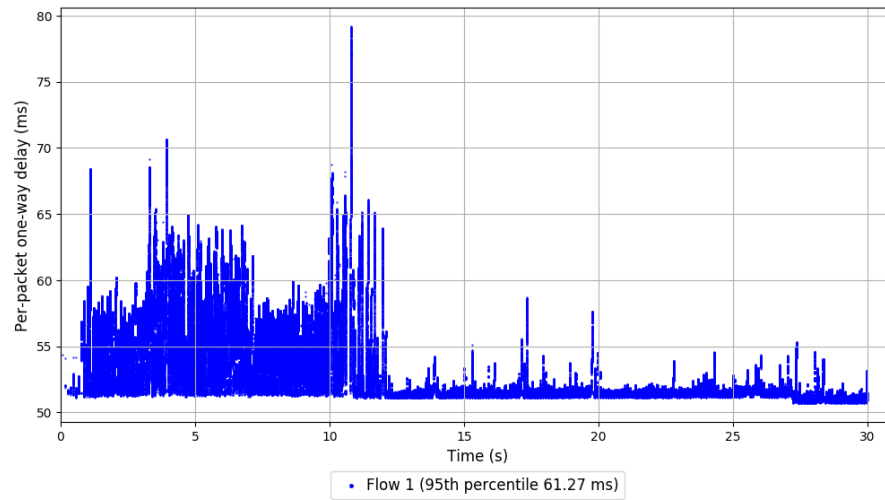
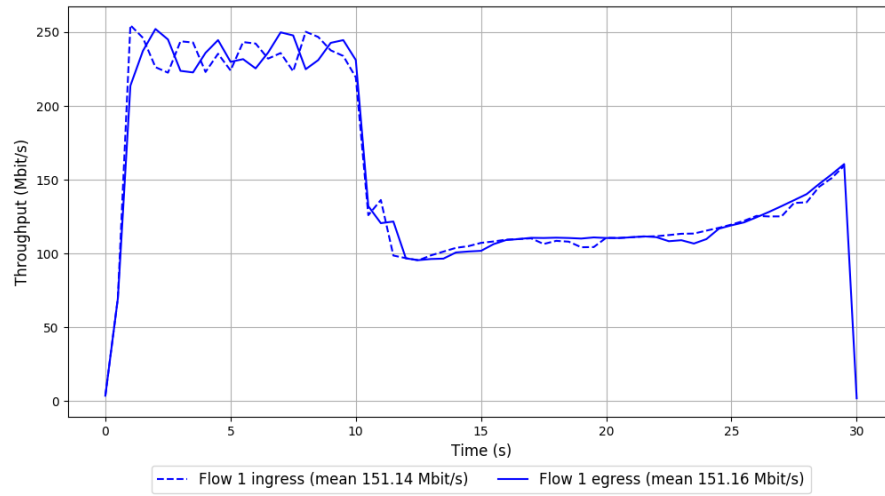
-- Flow 1:

Average throughput: 151.16 Mbit/s

95th percentile per-packet one-way delay: 61.267 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-03-06 04:29:03

End at: 2018-03-06 04:29:33

Below is generated by plot.py at 2018-03-06 07:53:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.88 Mbit/s

95th percentile per-packet one-way delay: 57.947 ms

Loss rate: 0.00%

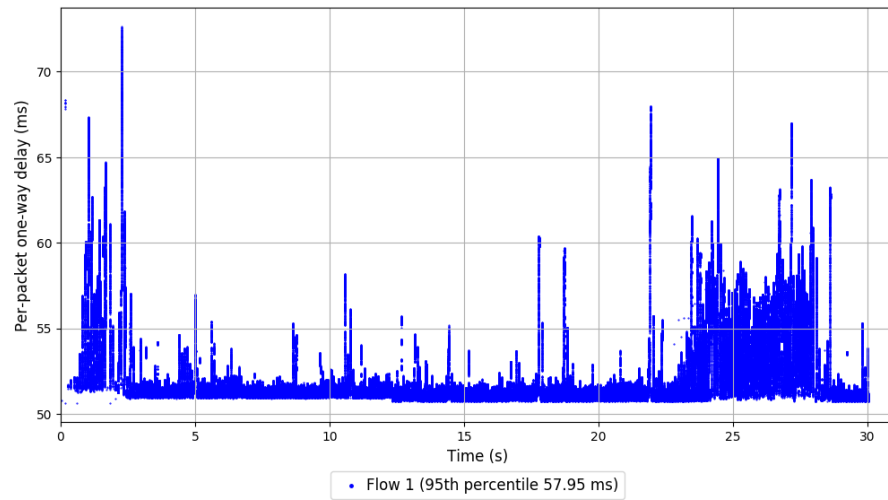
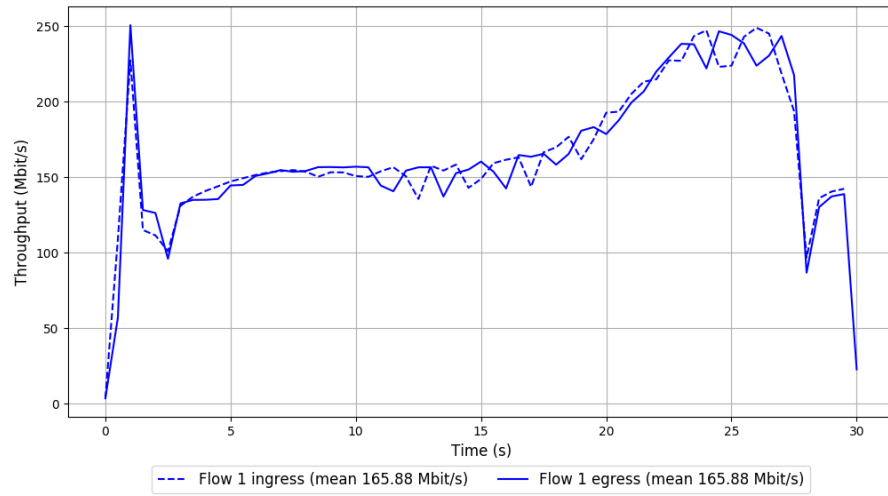
-- Flow 1:

Average throughput: 165.88 Mbit/s

95th percentile per-packet one-way delay: 57.947 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-06 04:43:26

End at: 2018-03-06 04:43:56

Below is generated by plot.py at 2018-03-06 07:53:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.33 Mbit/s

95th percentile per-packet one-way delay: 58.868 ms

Loss rate: 0.05%

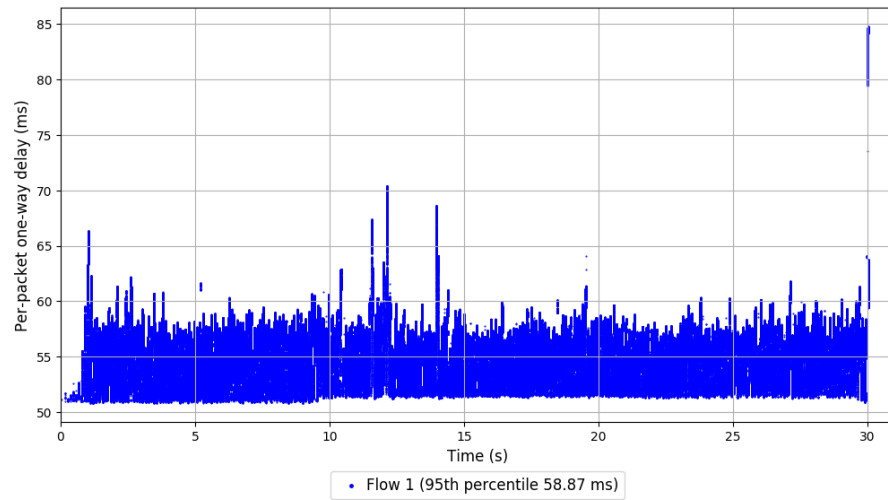
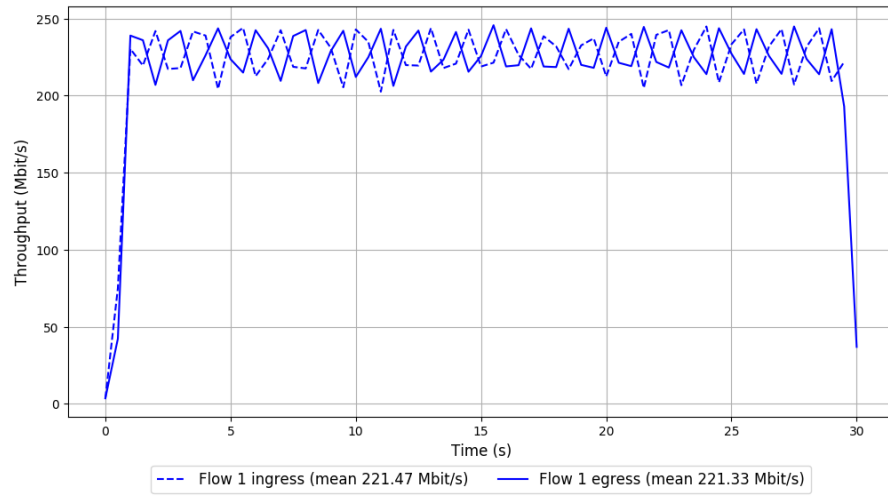
-- Flow 1:

Average throughput: 221.33 Mbit/s

95th percentile per-packet one-way delay: 58.868 ms

Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-06 04:57:46

End at: 2018-03-06 04:58:16

Below is generated by plot.py at 2018-03-06 07:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.75 Mbit/s

95th percentile per-packet one-way delay: 60.219 ms

Loss rate: 0.00%

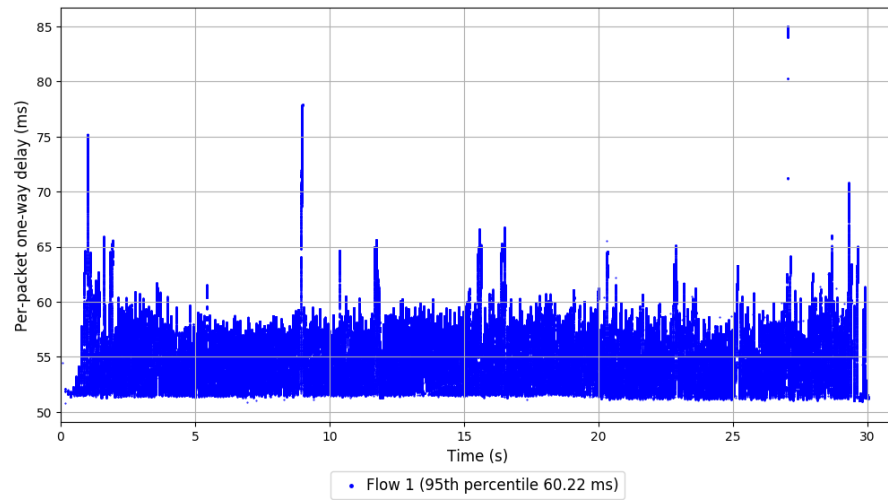
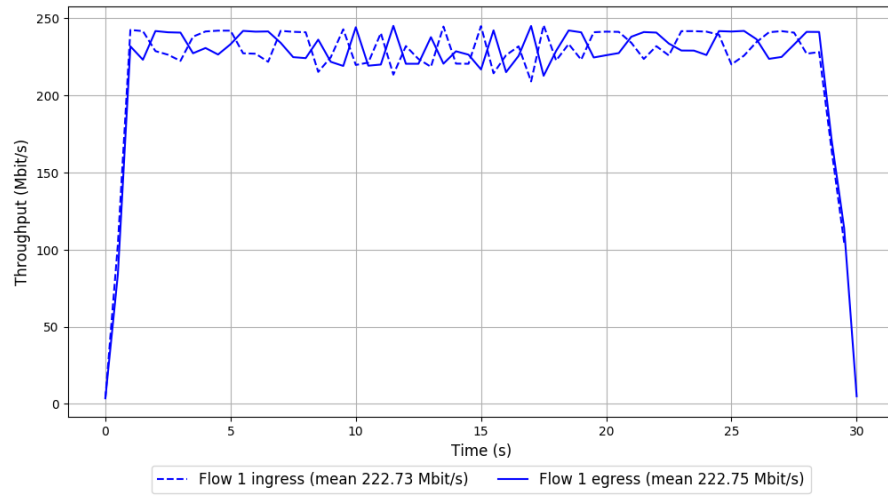
-- Flow 1:

Average throughput: 222.75 Mbit/s

95th percentile per-packet one-way delay: 60.219 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-03-06 05:12:14

End at: 2018-03-06 05:12:44

Below is generated by plot.py at 2018-03-06 07:55:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.04 Mbit/s

95th percentile per-packet one-way delay: 57.998 ms

Loss rate: 0.00%

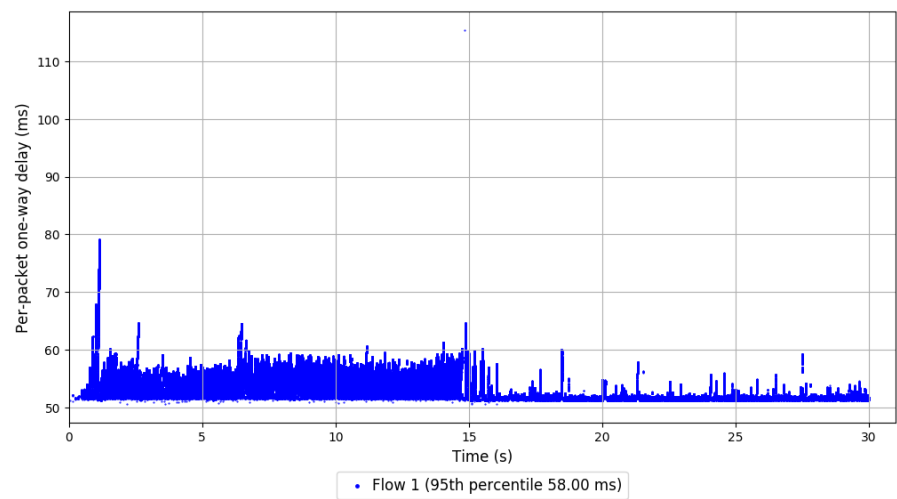
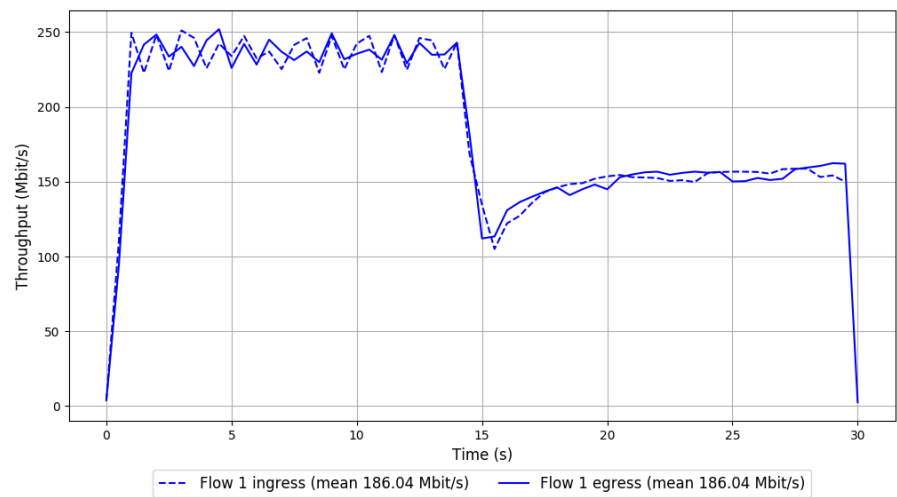
-- Flow 1:

Average throughput: 186.04 Mbit/s

95th percentile per-packet one-way delay: 57.998 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-03-06 05:26:54

End at: 2018-03-06 05:27:24

Below is generated by plot.py at 2018-03-06 07:55:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.83 Mbit/s

95th percentile per-packet one-way delay: 57.466 ms

Loss rate: 0.00%

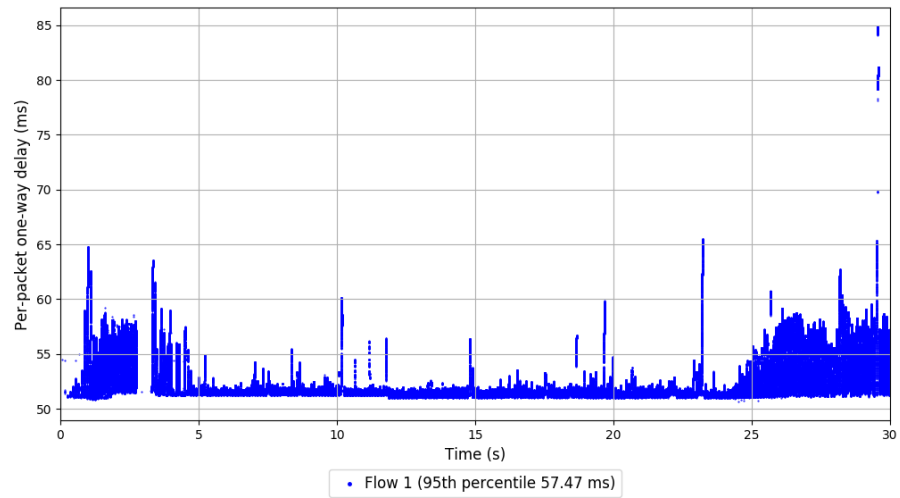
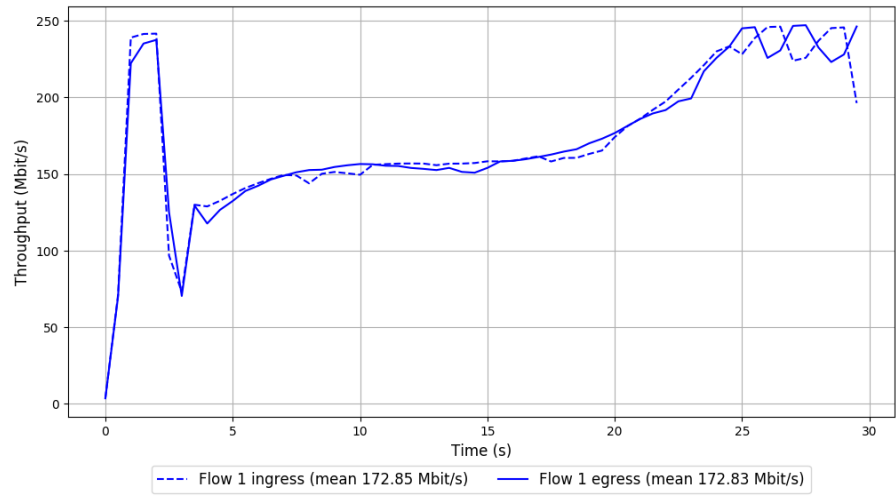
-- Flow 1:

Average throughput: 172.83 Mbit/s

95th percentile per-packet one-way delay: 57.466 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-06 05:41:04

End at: 2018-03-06 05:41:34

Below is generated by plot.py at 2018-03-06 07:55:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.68 Mbit/s

95th percentile per-packet one-way delay: 53.564 ms

Loss rate: 0.00%

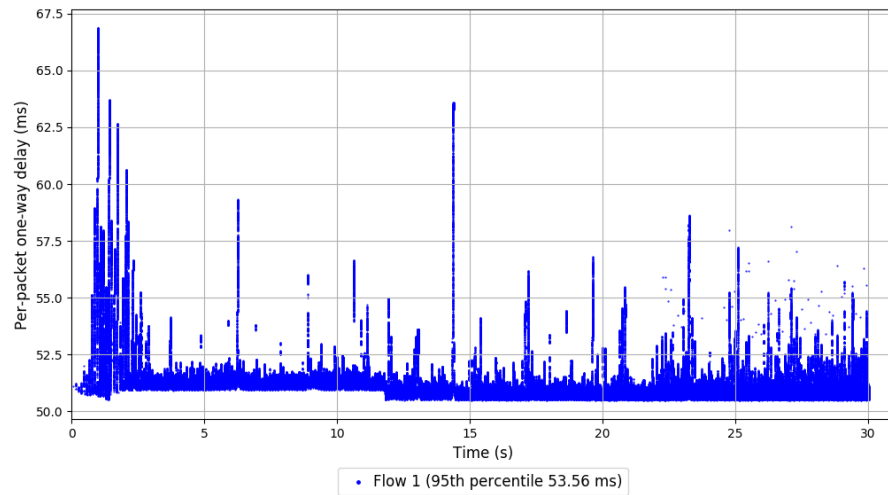
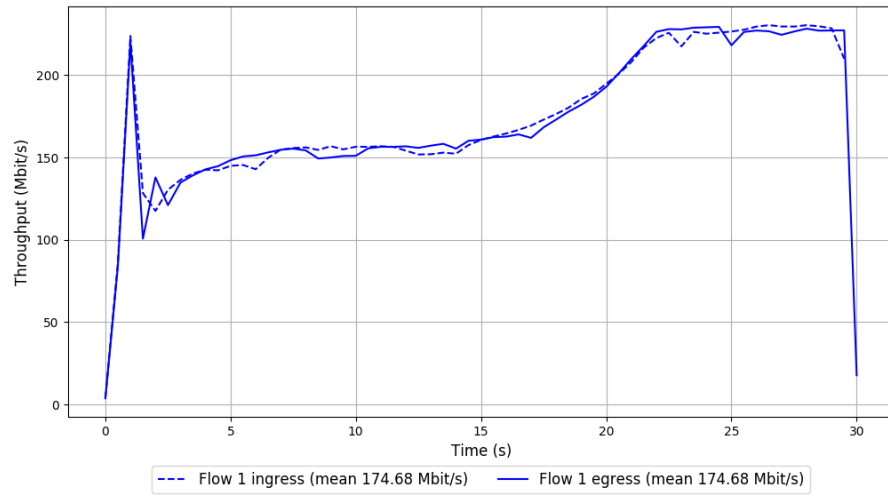
-- Flow 1:

Average throughput: 174.68 Mbit/s

95th percentile per-packet one-way delay: 53.564 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-06 05:55:38

End at: 2018-03-06 05:56:08

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.61 Mbit/s

95th percentile per-packet one-way delay: 60.555 ms

Loss rate: 0.00%

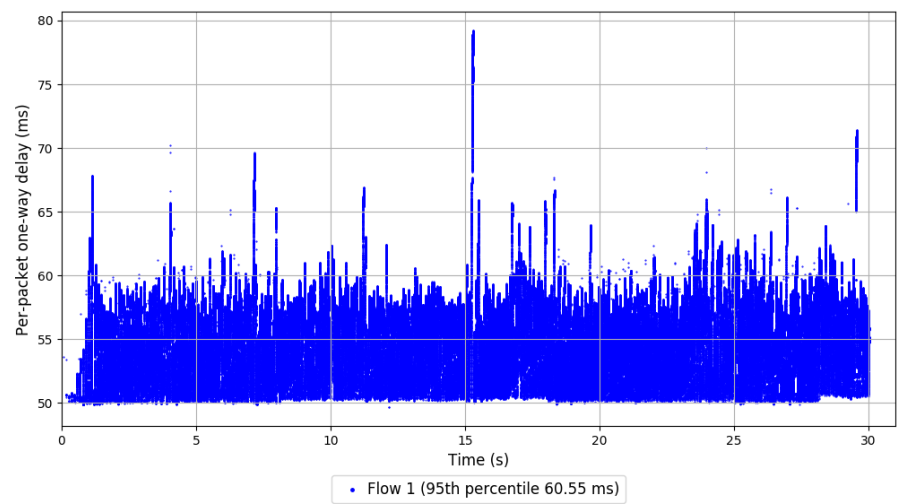
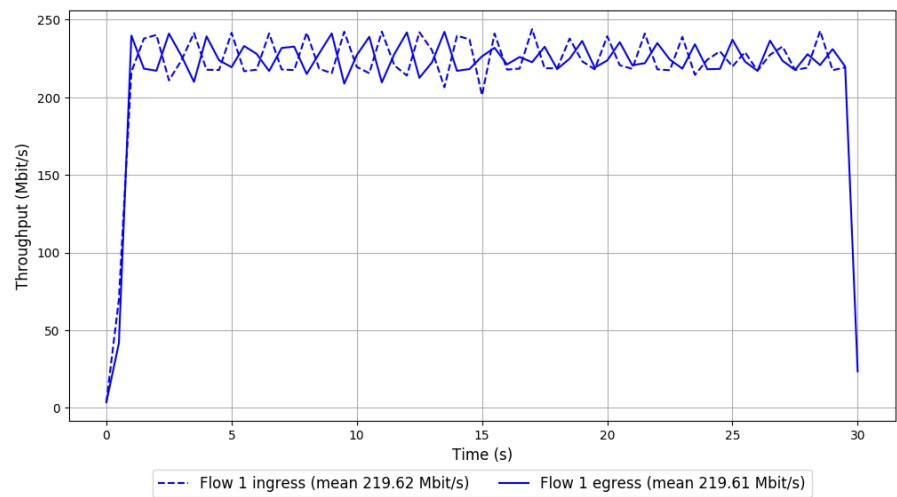
-- Flow 1:

Average throughput: 219.61 Mbit/s

95th percentile per-packet one-way delay: 60.555 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

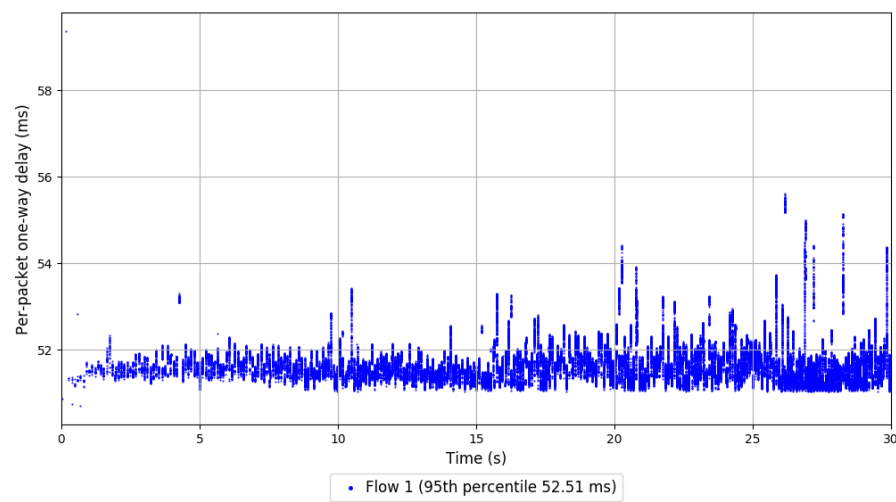
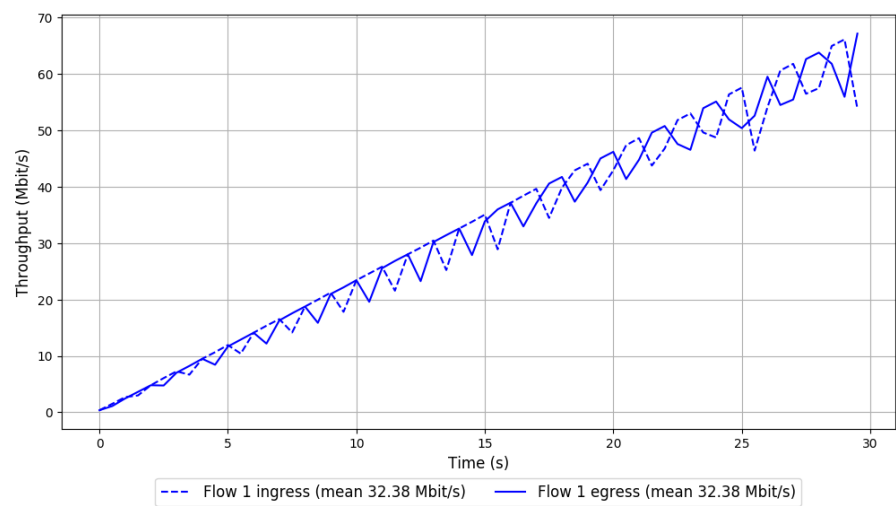


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-06 03:50:28
End at: 2018-03-06 03:50:58

# Below is generated by plot.py at 2018-03-06 07:57:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 52.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 52.511 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

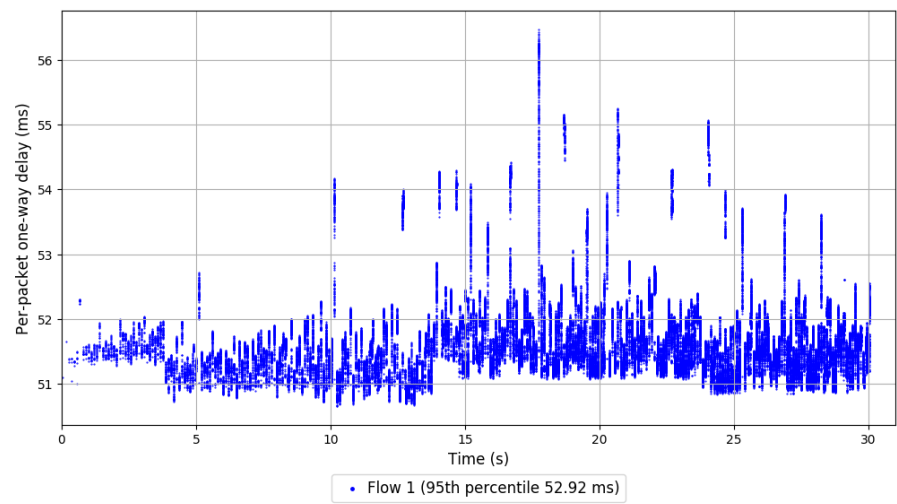
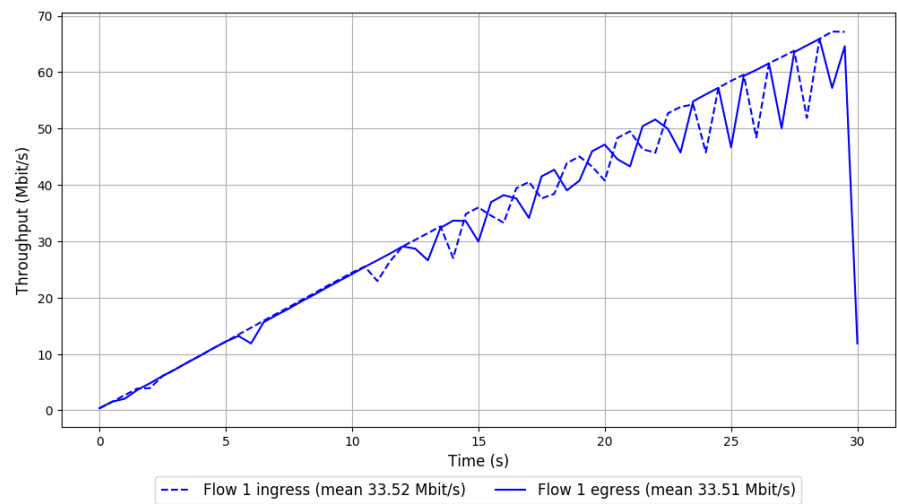


```
Run 2: Statistics of LEDBAT

Start at: 2018-03-06 04:04:52
End at: 2018-03-06 04:05:22

# Below is generated by plot.py at 2018-03-06 07:57:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 52.923 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 52.923 ms
Loss rate: 0.03%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-06 04:19:32

End at: 2018-03-06 04:20:02

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.03 Mbit/s

95th percentile per-packet one-way delay: 53.476 ms

Loss rate: 0.00%

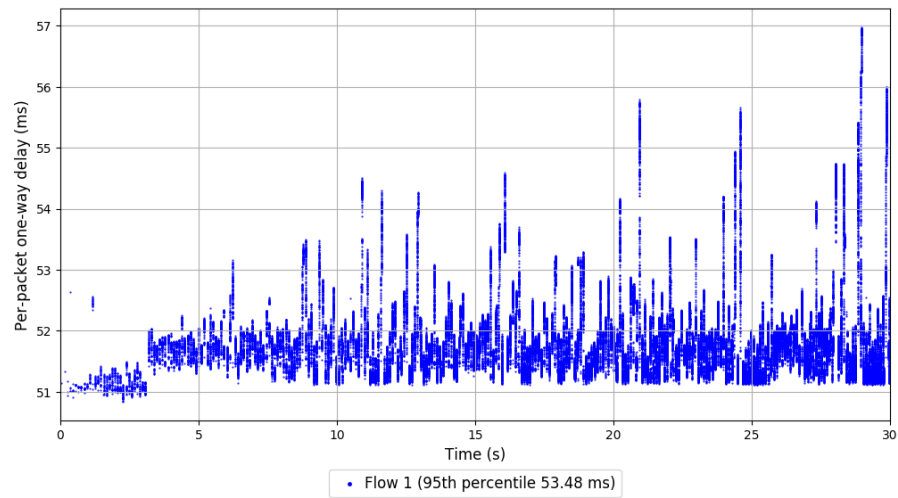
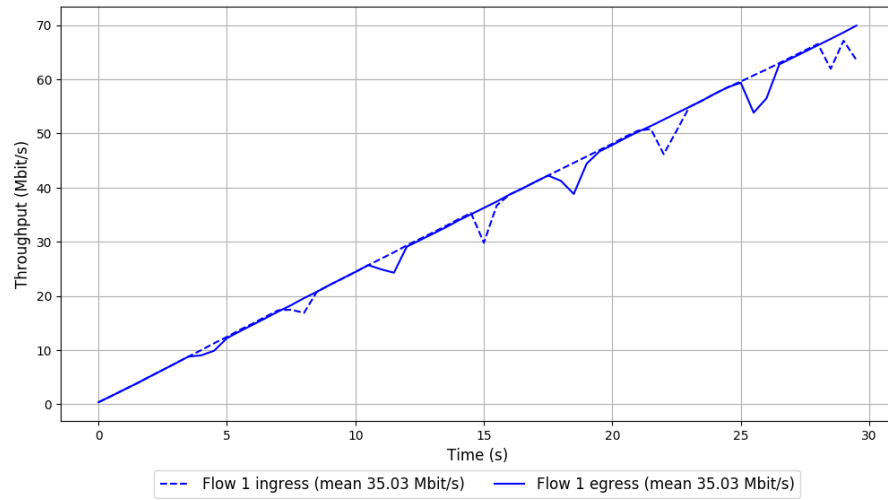
-- Flow 1:

Average throughput: 35.03 Mbit/s

95th percentile per-packet one-way delay: 53.476 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-03-06 04:34:00

End at: 2018-03-06 04:34:30

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 52.663 ms

Loss rate: 0.00%

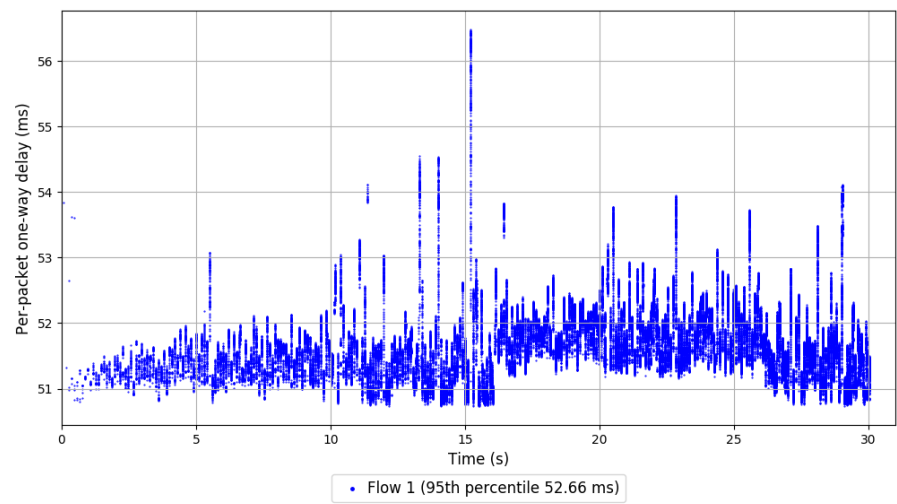
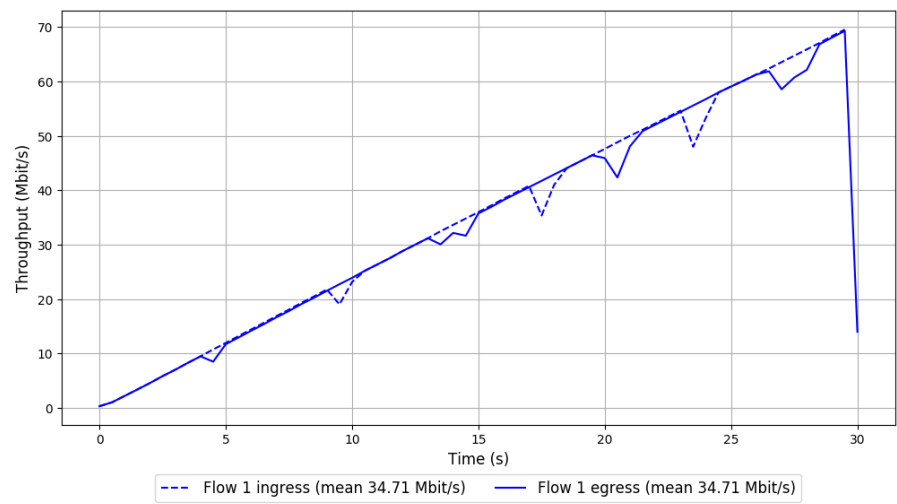
-- Flow 1:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 52.663 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-03-06 04:48:20

End at: 2018-03-06 04:48:50

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 52.820 ms

Loss rate: 0.00%

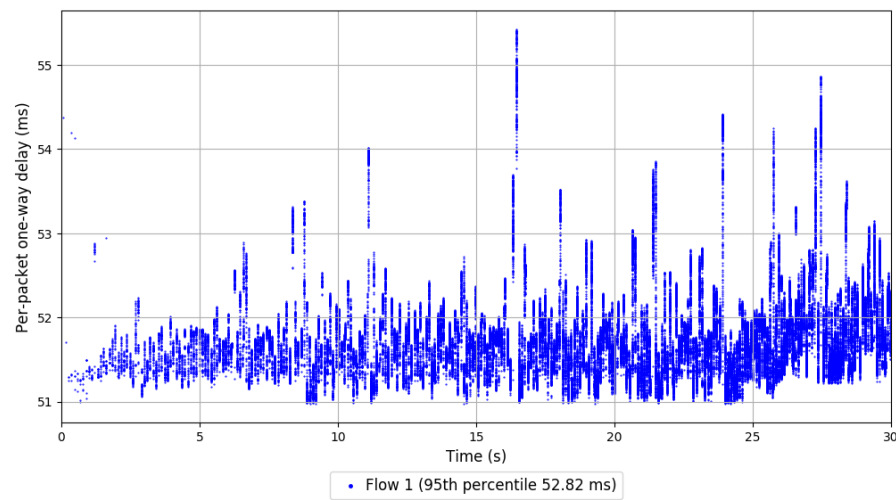
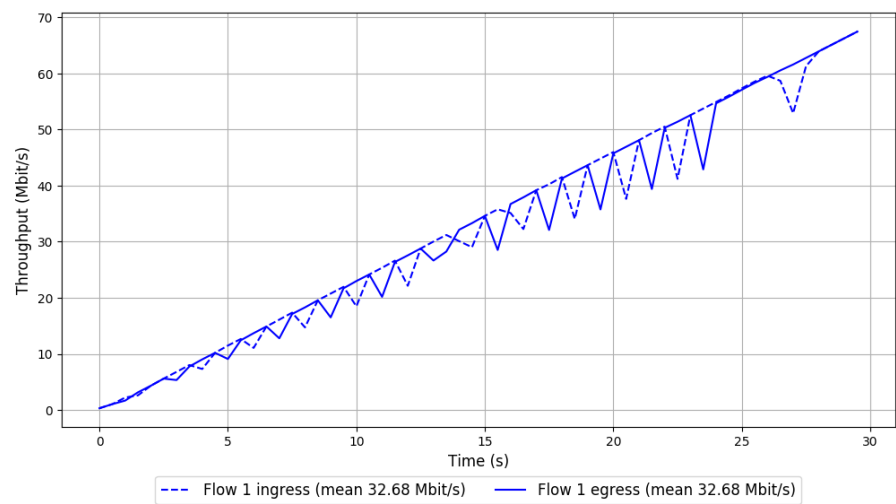
-- Flow 1:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 52.820 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-06 05:02:56

End at: 2018-03-06 05:03:26

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 53.266 ms

Loss rate: 0.00%

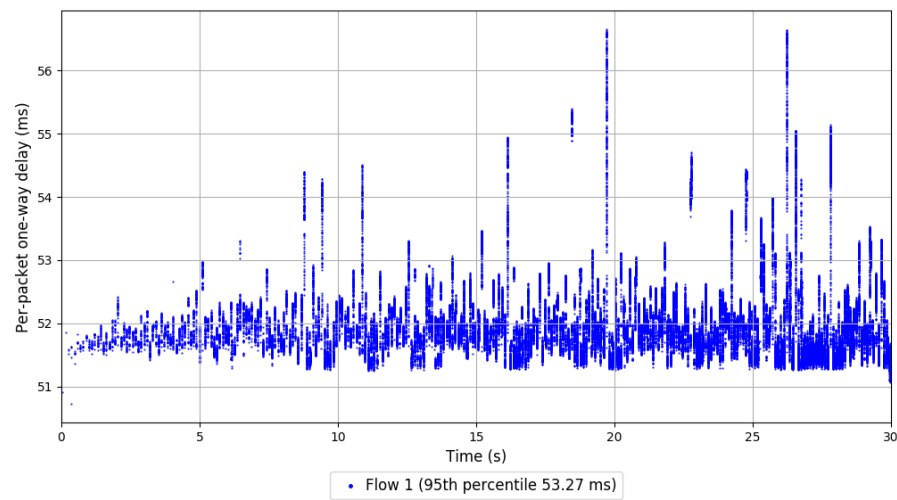
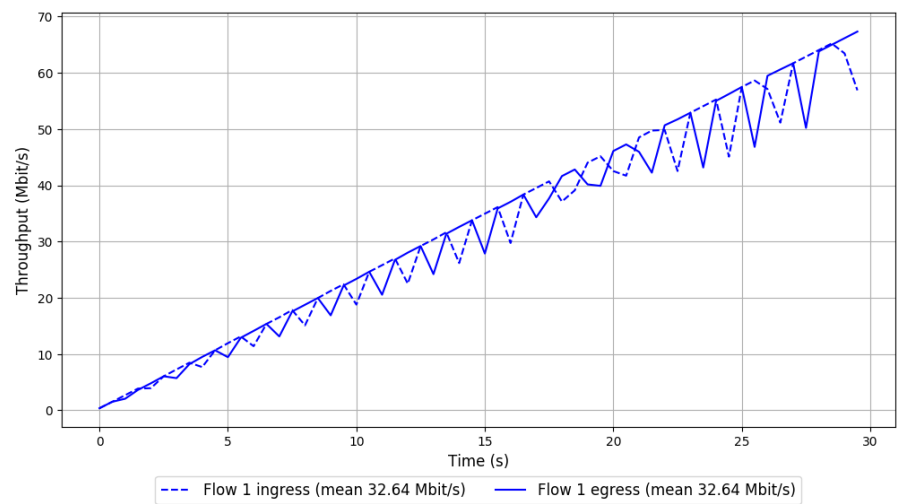
-- Flow 1:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 53.266 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-03-06 05:17:28

End at: 2018-03-06 05:17:58

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: 52.806 ms

Loss rate: 0.02%

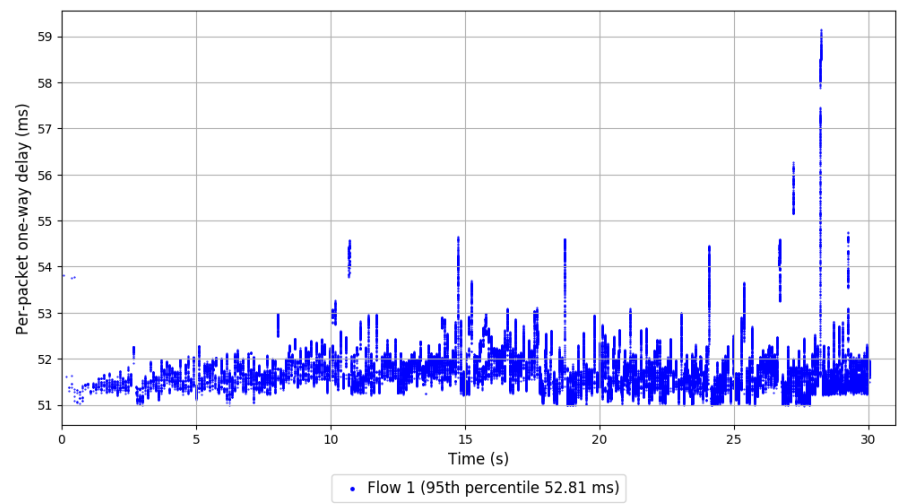
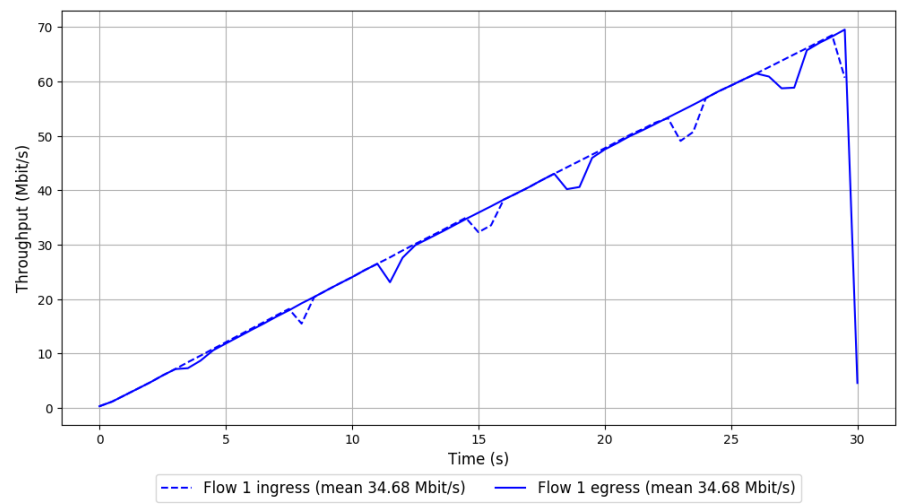
-- Flow 1:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: 52.806 ms

Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-03-06 05:31:41

End at: 2018-03-06 05:32:11

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.41 Mbit/s

95th percentile per-packet one-way delay: 53.131 ms

Loss rate: 0.00%

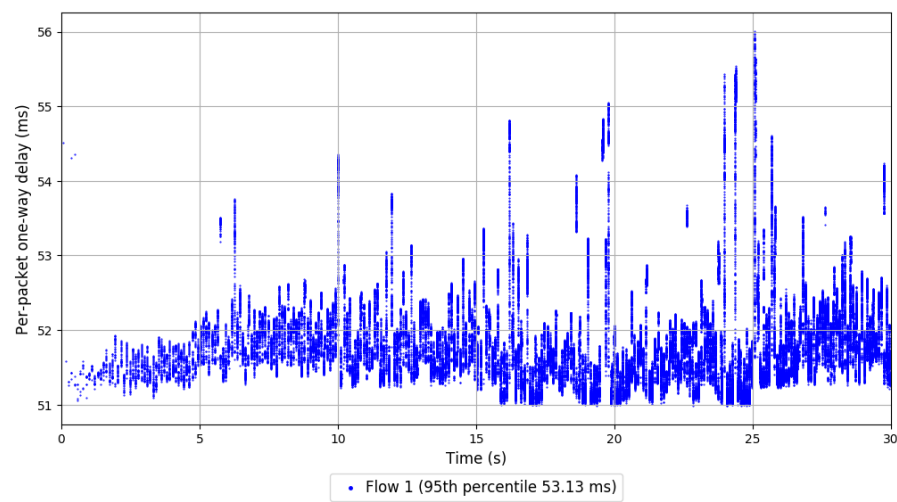
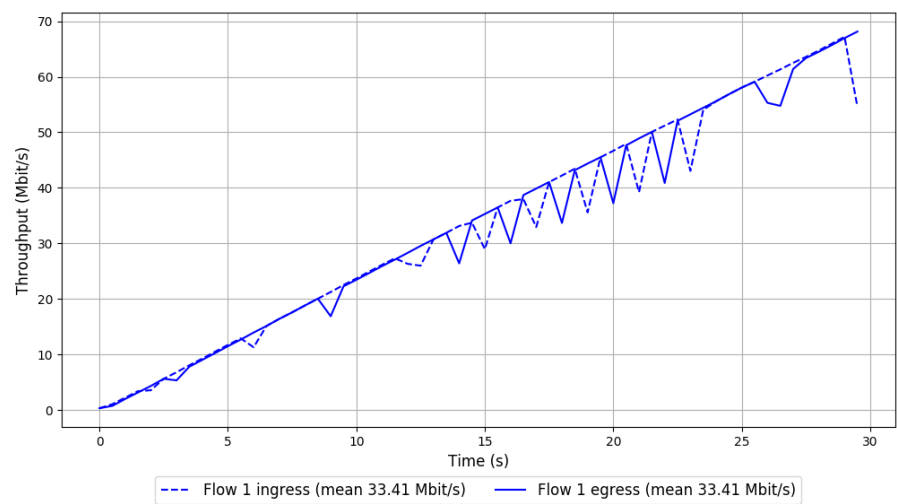
-- Flow 1:

Average throughput: 33.41 Mbit/s

95th percentile per-packet one-way delay: 53.131 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-03-06 05:46:18

End at: 2018-03-06 05:46:48

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.84 Mbit/s

95th percentile per-packet one-way delay: 52.511 ms

Loss rate: 0.00%

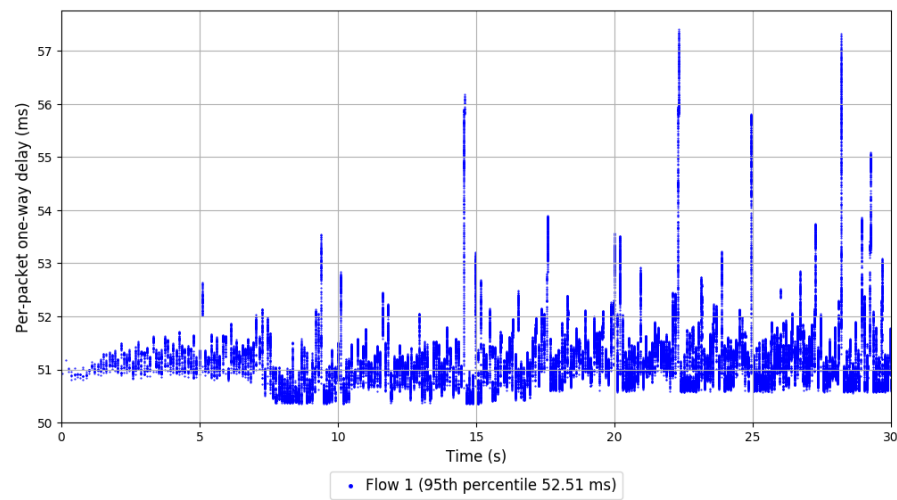
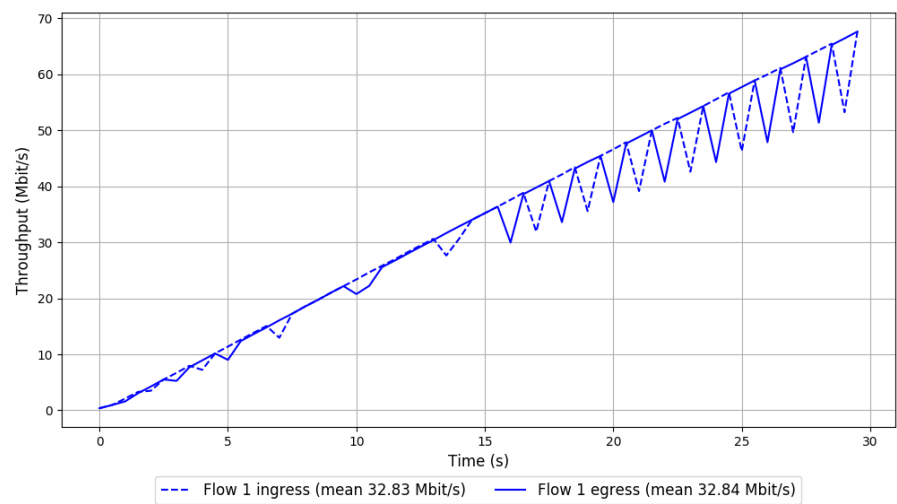
-- Flow 1:

Average throughput: 32.84 Mbit/s

95th percentile per-packet one-way delay: 52.511 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-06 06:00:34

End at: 2018-03-06 06:01:04

Below is generated by plot.py at 2018-03-06 07:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 51.837 ms

Loss rate: 0.00%

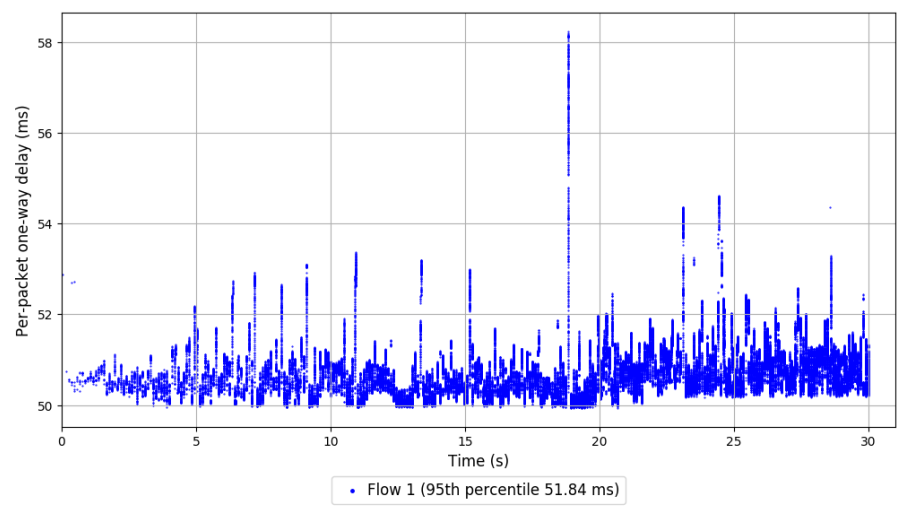
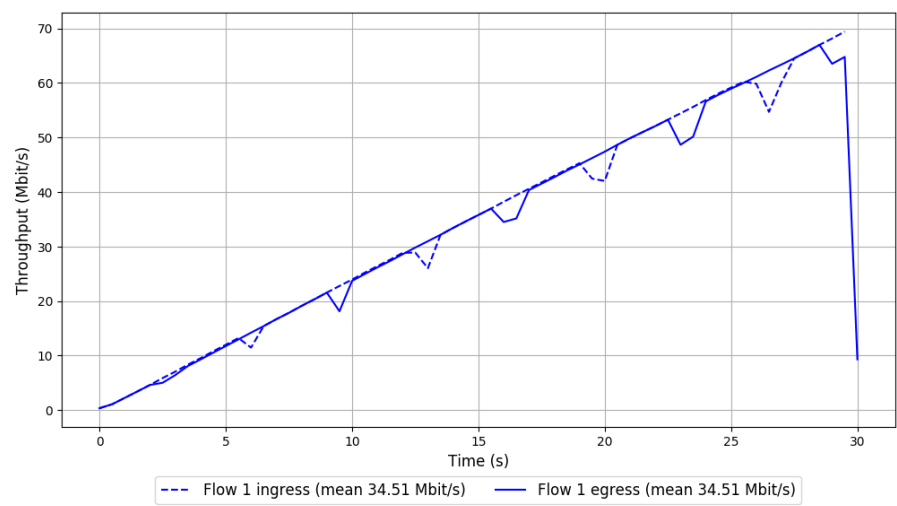
-- Flow 1:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 51.837 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

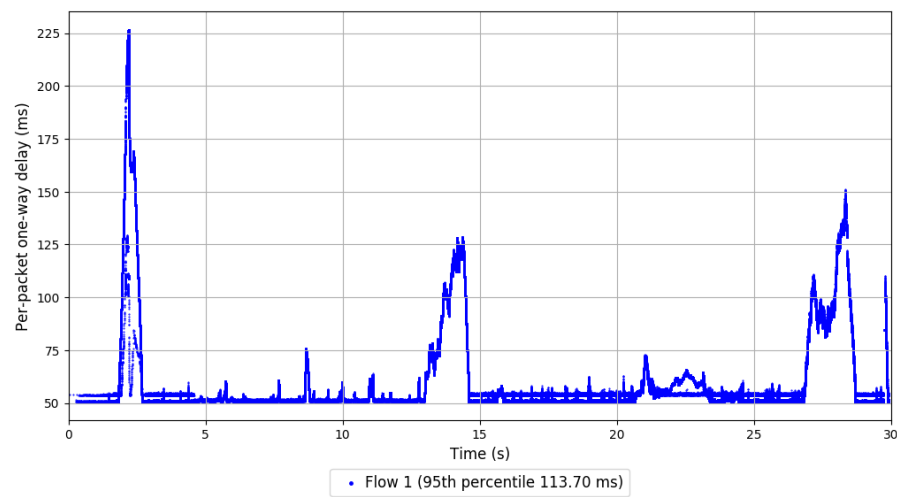
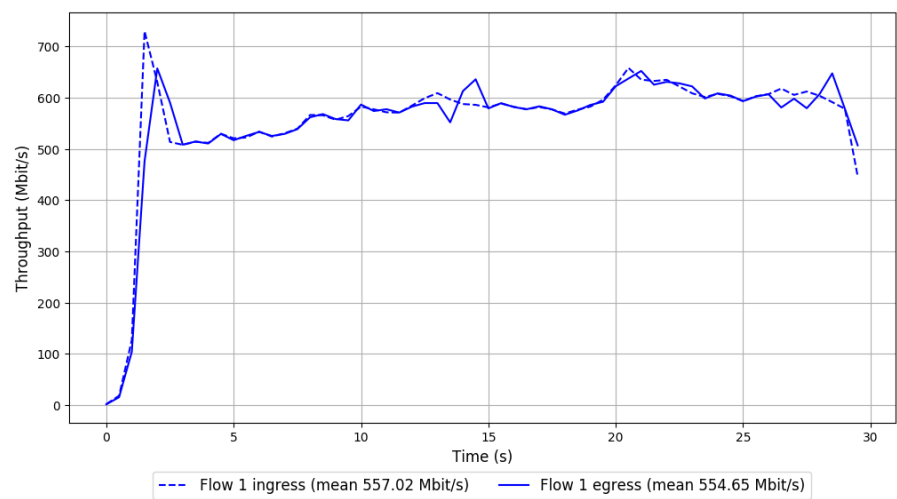


```
Run 1: Statistics of PCC

Start at: 2018-03-06 03:52:21
End at: 2018-03-06 03:52:51

# Below is generated by plot.py at 2018-03-06 08:04:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 554.65 Mbit/s
95th percentile per-packet one-way delay: 113.701 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 554.65 Mbit/s
95th percentile per-packet one-way delay: 113.701 ms
Loss rate: 0.43%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-06 04:06:44

End at: 2018-03-06 04:07:14

Below is generated by plot.py at 2018-03-06 08:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 568.28 Mbit/s

95th percentile per-packet one-way delay: 145.444 ms

Loss rate: 1.86%

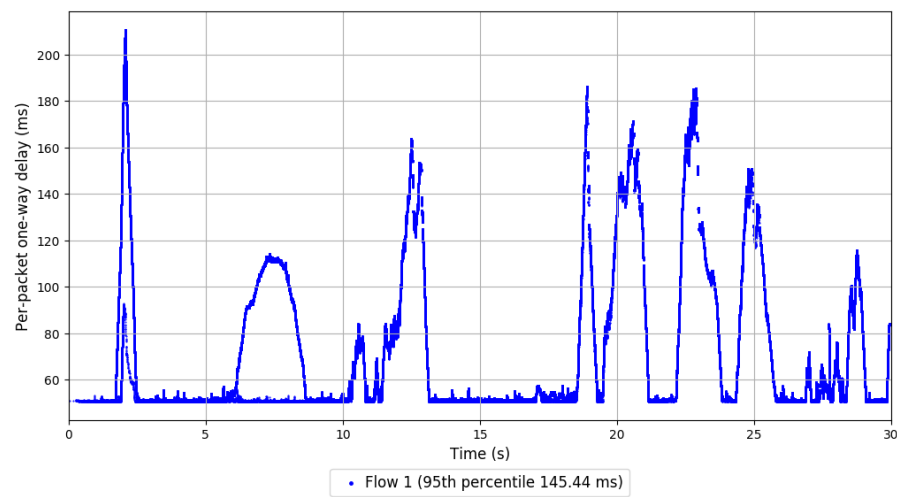
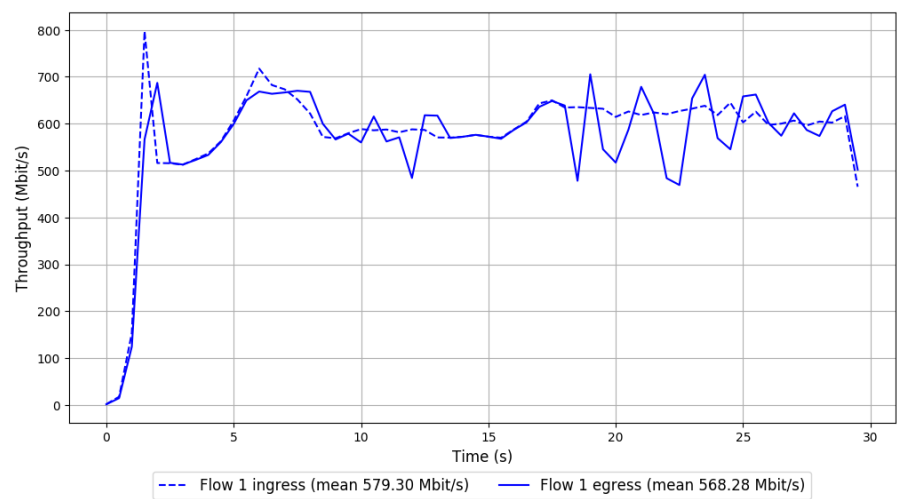
-- Flow 1:

Average throughput: 568.28 Mbit/s

95th percentile per-packet one-way delay: 145.444 ms

Loss rate: 1.86%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-03-06 04:21:25

End at: 2018-03-06 04:21:55

Below is generated by plot.py at 2018-03-06 08:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.90 Mbit/s

95th percentile per-packet one-way delay: 191.630 ms

Loss rate: 4.02%

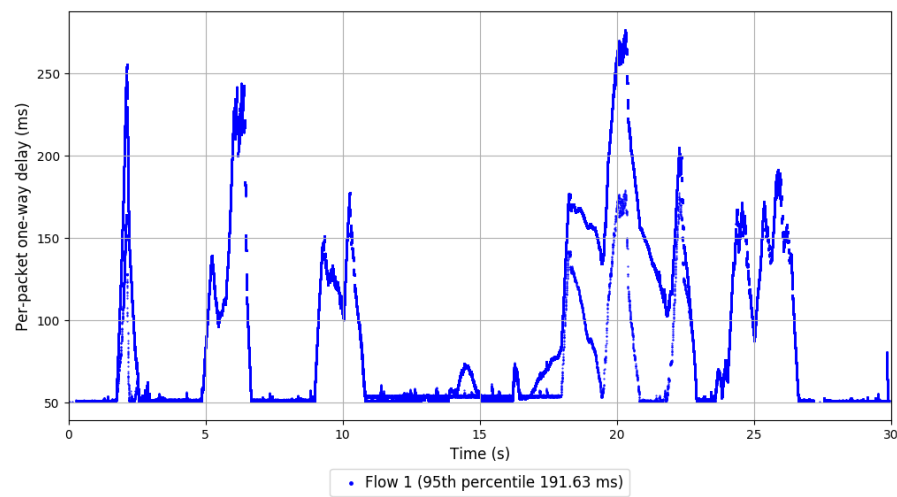
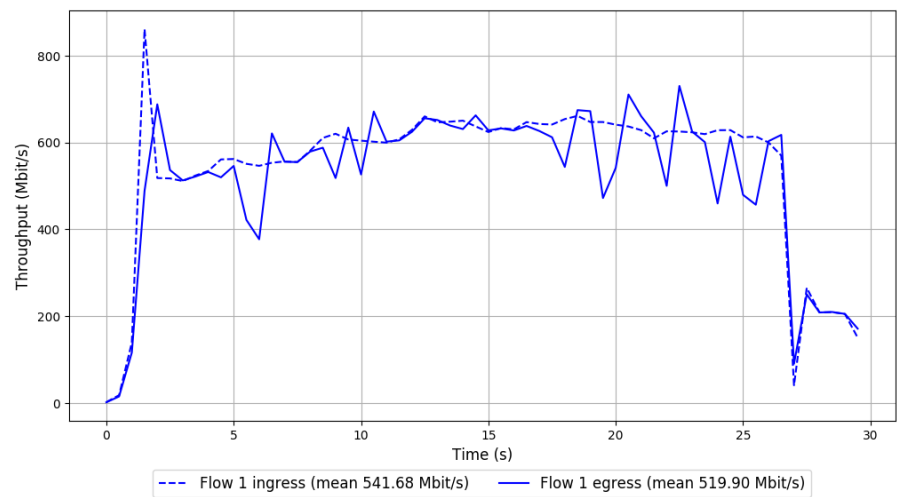
-- Flow 1:

Average throughput: 519.90 Mbit/s

95th percentile per-packet one-way delay: 191.630 ms

Loss rate: 4.02%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-06 04:35:52

End at: 2018-03-06 04:36:22

Below is generated by plot.py at 2018-03-06 08:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 585.04 Mbit/s

95th percentile per-packet one-way delay: 194.605 ms

Loss rate: 1.29%

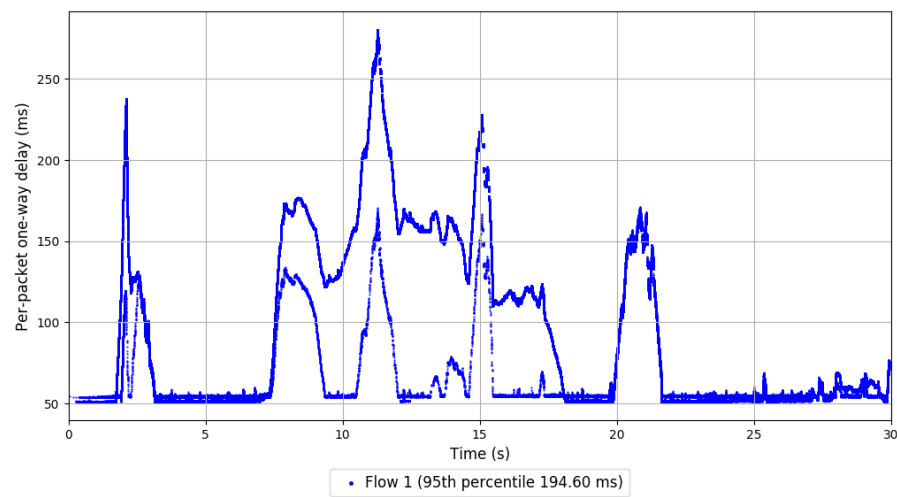
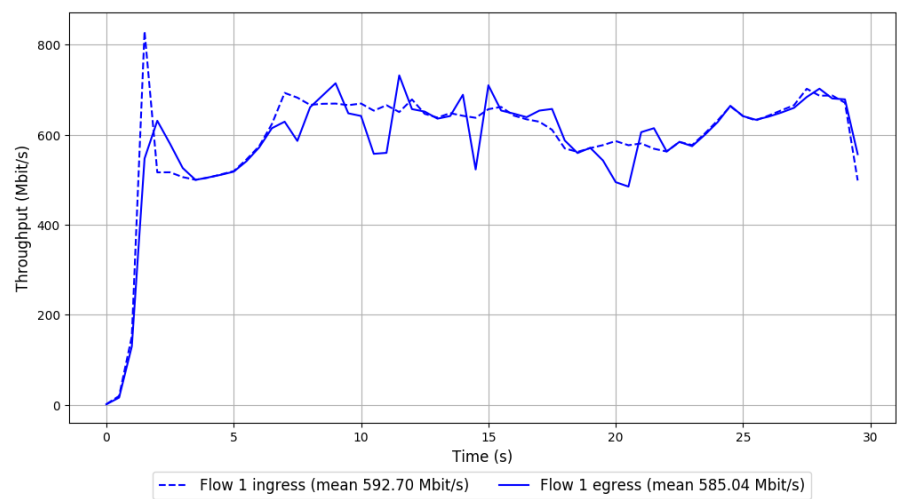
-- Flow 1:

Average throughput: 585.04 Mbit/s

95th percentile per-packet one-way delay: 194.605 ms

Loss rate: 1.29%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-06 04:50:12

End at: 2018-03-06 04:50:42

Below is generated by plot.py at 2018-03-06 08:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.48 Mbit/s

95th percentile per-packet one-way delay: 138.823 ms

Loss rate: 0.73%

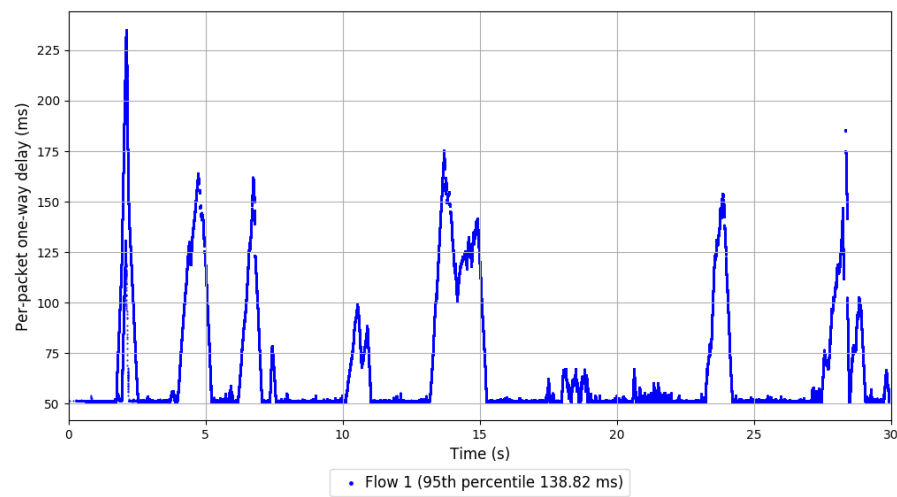
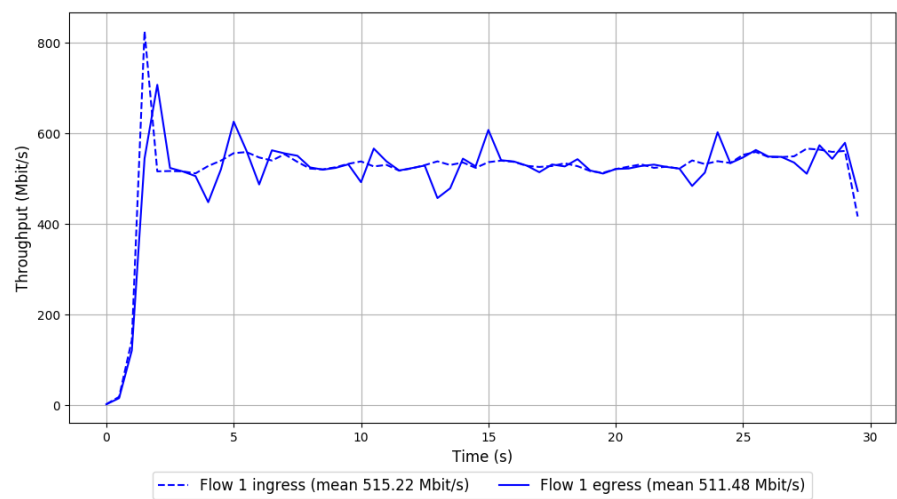
-- Flow 1:

Average throughput: 511.48 Mbit/s

95th percentile per-packet one-way delay: 138.823 ms

Loss rate: 0.73%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-03-06 05:04:48

End at: 2018-03-06 05:05:18

Below is generated by plot.py at 2018-03-06 08:05:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.45 Mbit/s

95th percentile per-packet one-way delay: 108.944 ms

Loss rate: 0.51%

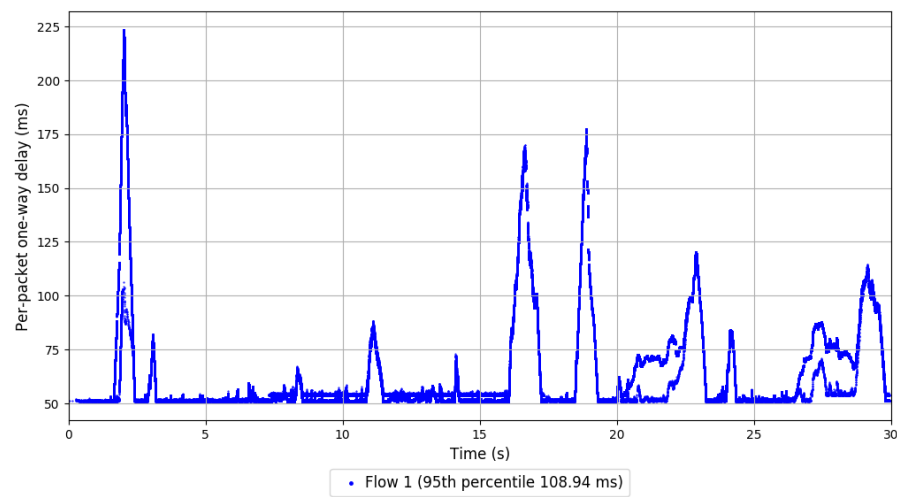
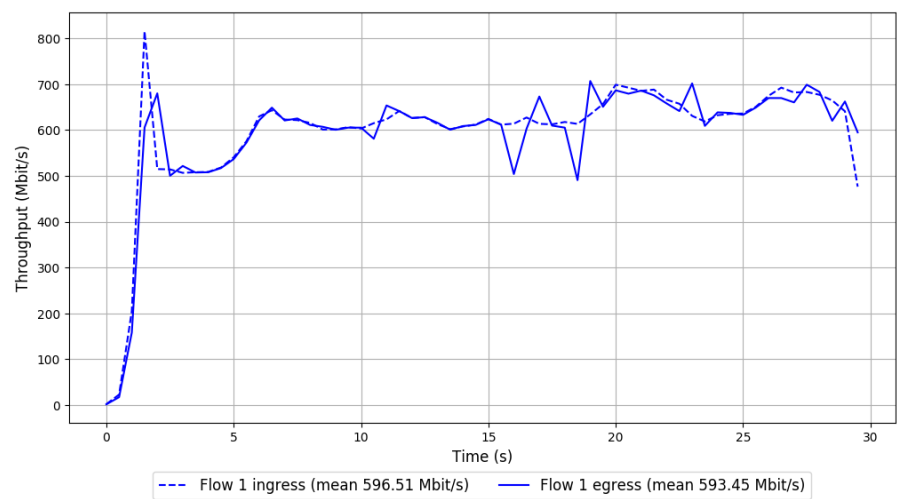
-- Flow 1:

Average throughput: 593.45 Mbit/s

95th percentile per-packet one-way delay: 108.944 ms

Loss rate: 0.51%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-03-06 05:19:21

End at: 2018-03-06 05:19:51

Below is generated by plot.py at 2018-03-06 08:05:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 488.39 Mbit/s

95th percentile per-packet one-way delay: 161.738 ms

Loss rate: 4.79%

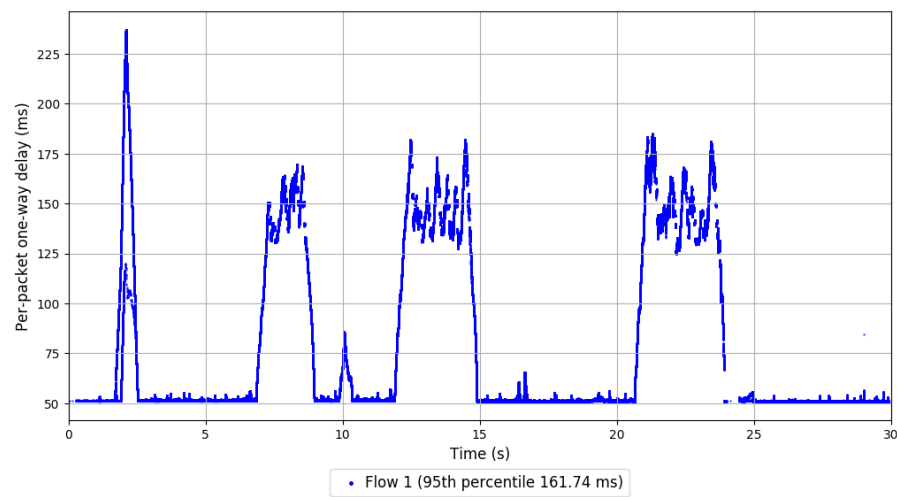
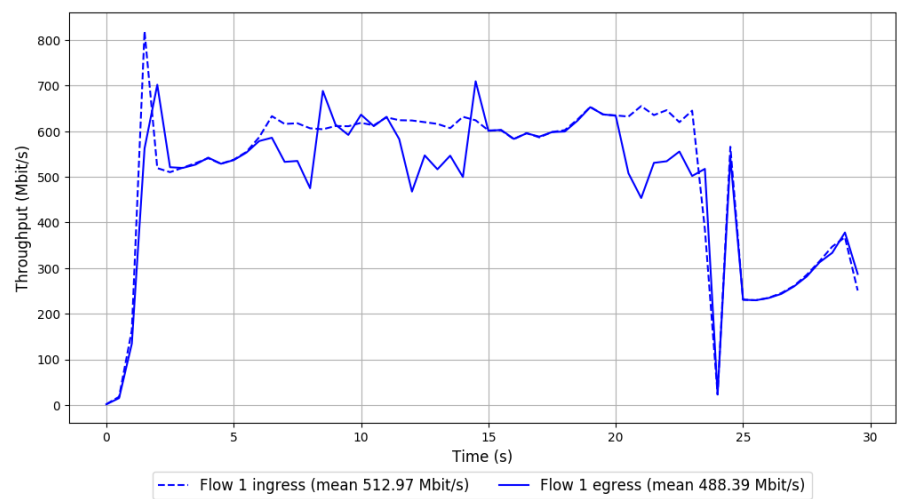
-- Flow 1:

Average throughput: 488.39 Mbit/s

95th percentile per-packet one-way delay: 161.738 ms

Loss rate: 4.79%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-06 05:33:33

End at: 2018-03-06 05:34:03

Below is generated by plot.py at 2018-03-06 08:07:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.60 Mbit/s

95th percentile per-packet one-way delay: 157.634 ms

Loss rate: 3.51%

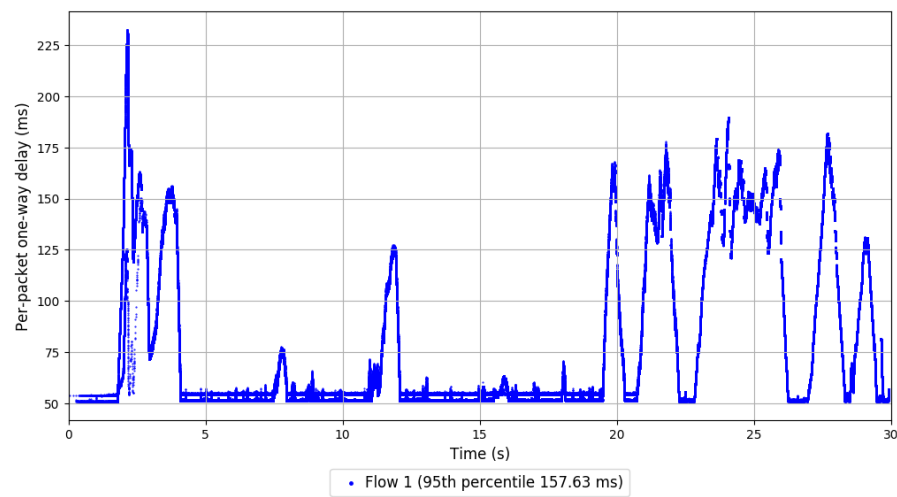
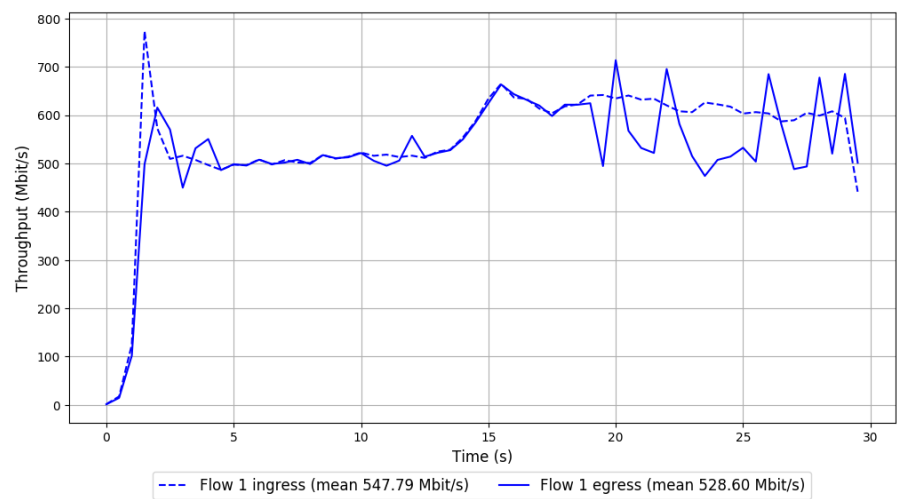
-- Flow 1:

Average throughput: 528.60 Mbit/s

95th percentile per-packet one-way delay: 157.634 ms

Loss rate: 3.51%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-06 05:48:11

End at: 2018-03-06 05:48:41

Below is generated by plot.py at 2018-03-06 08:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.87 Mbit/s

95th percentile per-packet one-way delay: 171.325 ms

Loss rate: 0.95%

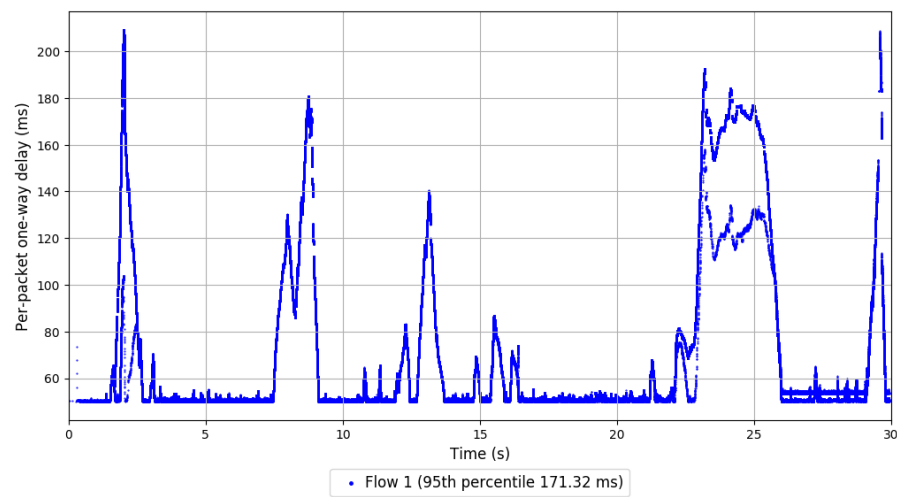
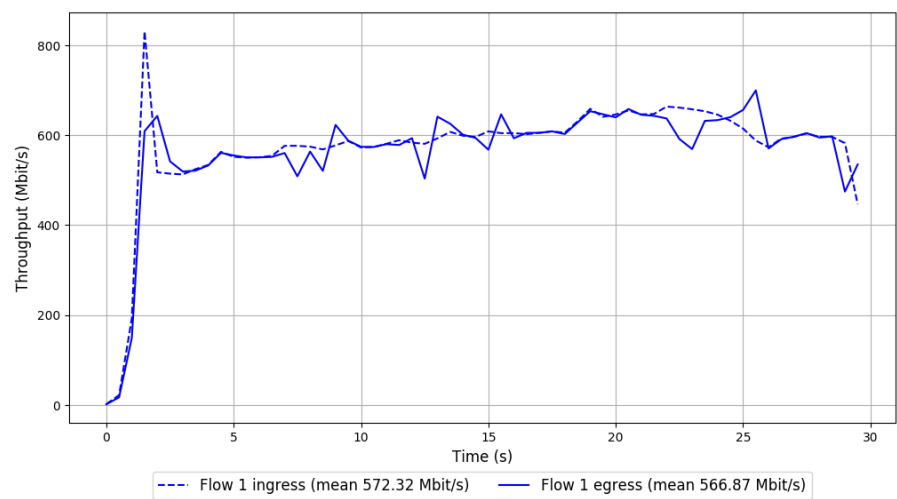
-- Flow 1:

Average throughput: 566.87 Mbit/s

95th percentile per-packet one-way delay: 171.325 ms

Loss rate: 0.95%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-06 06:02:27

End at: 2018-03-06 06:02:57

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 568.20 Mbit/s

95th percentile per-packet one-way delay: 138.270 ms

Loss rate: 1.21%

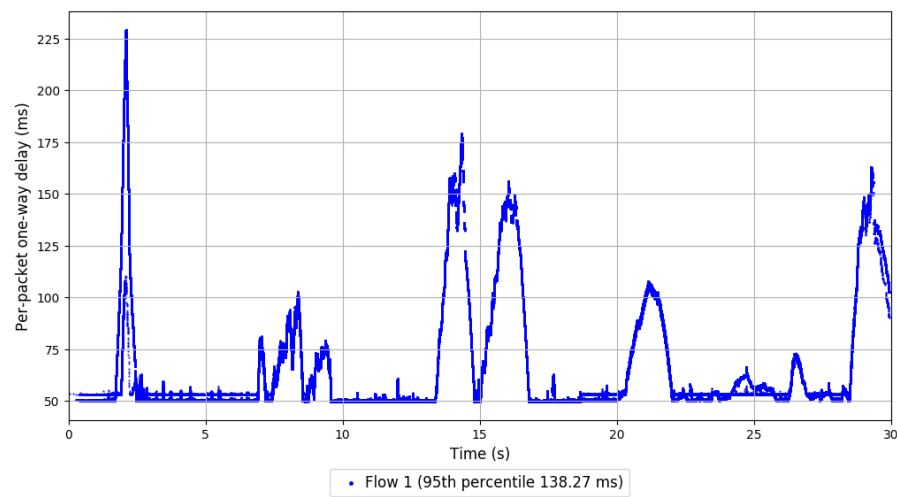
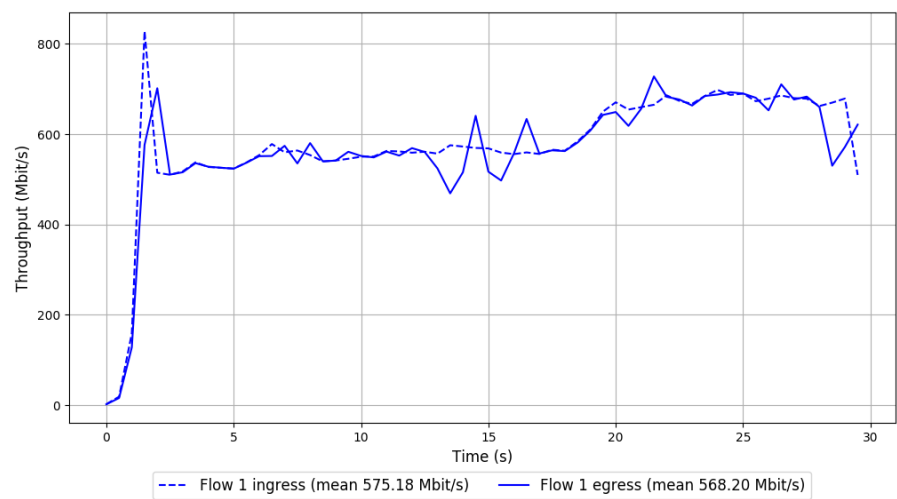
-- Flow 1:

Average throughput: 568.20 Mbit/s

95th percentile per-packet one-way delay: 138.270 ms

Loss rate: 1.21%

Run 10: Report of PCC — Data Link

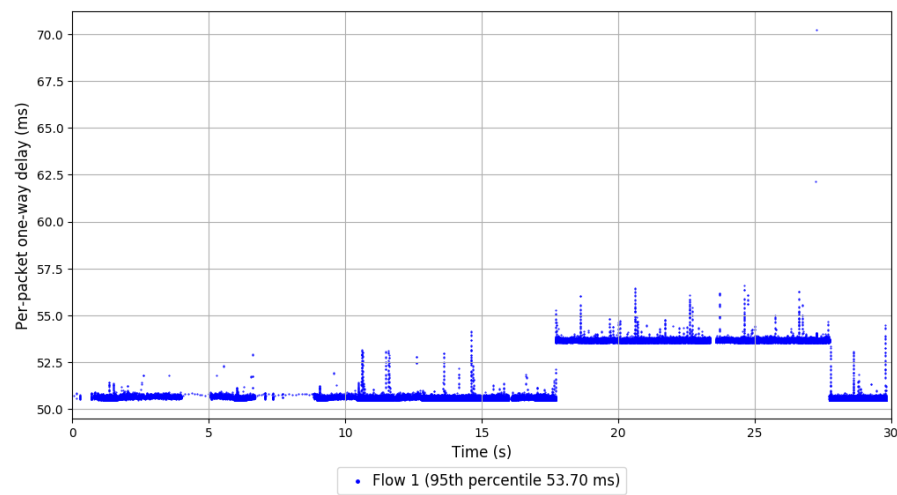
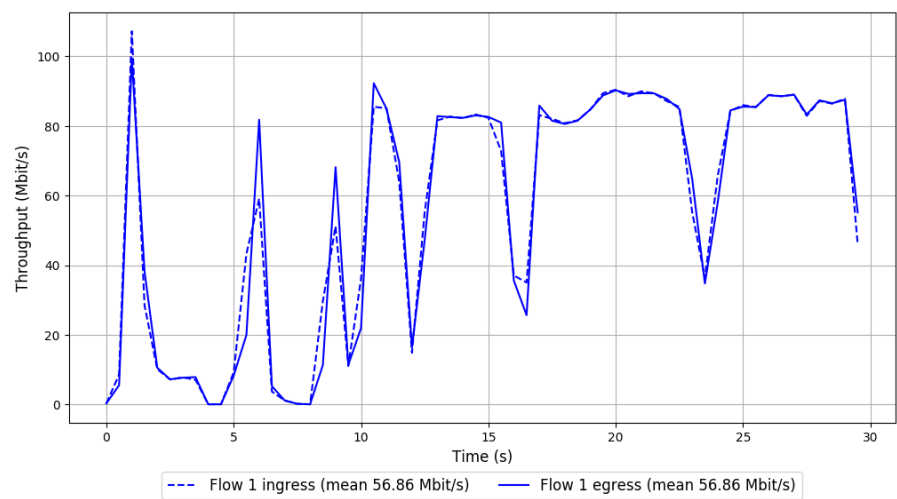


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-03-06 03:54:08
End at: 2018-03-06 03:54:38

# Below is generated by plot.py at 2018-03-06 08:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 53.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 53.703 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-06 04:08:31

End at: 2018-03-06 04:09:01

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.47 Mbit/s

95th percentile per-packet one-way delay: 50.513 ms

Loss rate: 0.00%

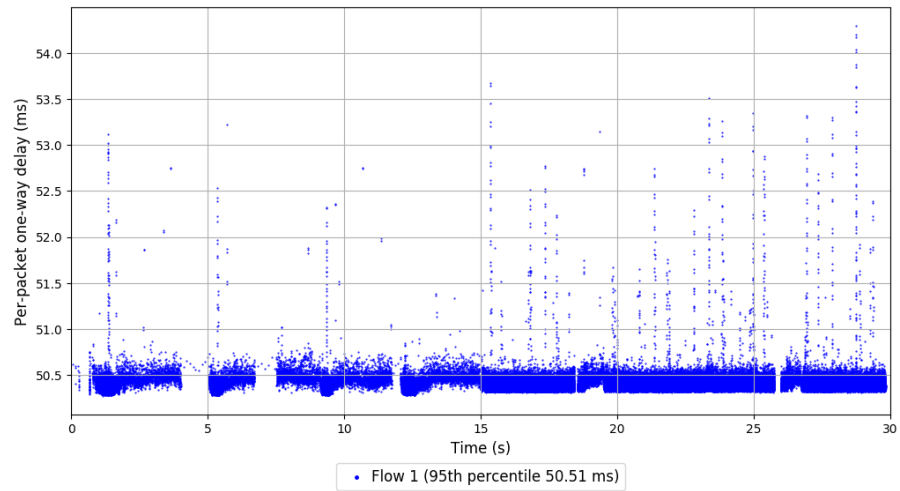
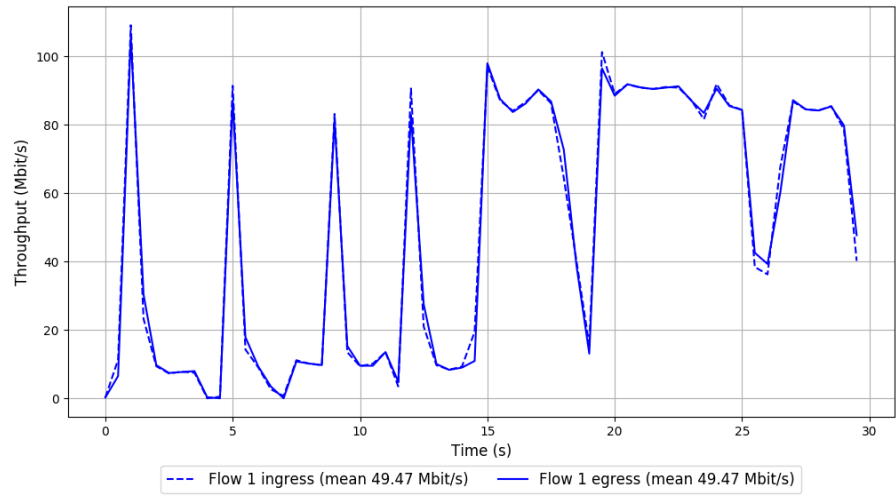
-- Flow 1:

Average throughput: 49.47 Mbit/s

95th percentile per-packet one-way delay: 50.513 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-06 04:23:11

End at: 2018-03-06 04:23:41

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 53.592 ms

Loss rate: 0.01%

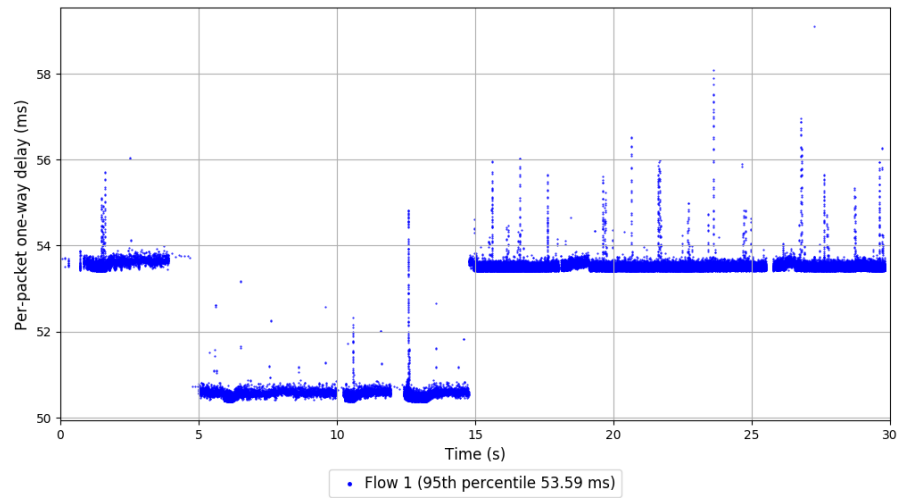
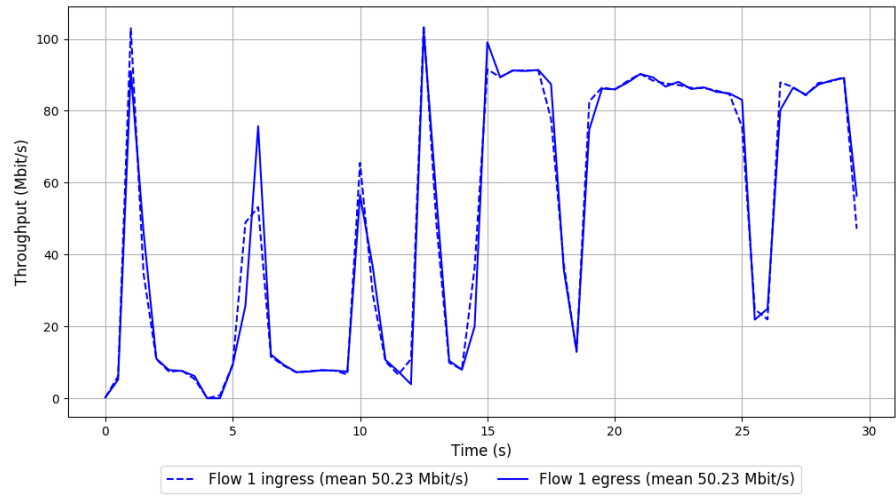
-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 53.592 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-03-06 04:37:41

End at: 2018-03-06 04:38:11

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.13 Mbit/s

95th percentile per-packet one-way delay: 53.856 ms

Loss rate: 0.00%

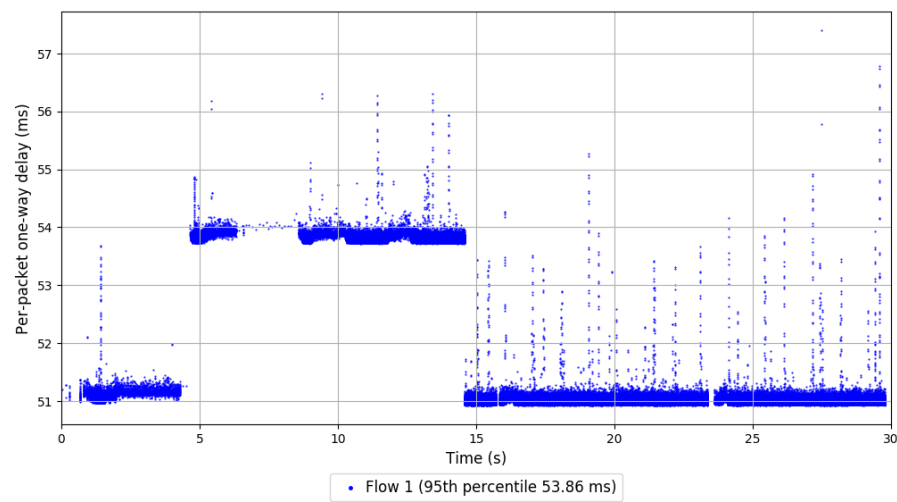
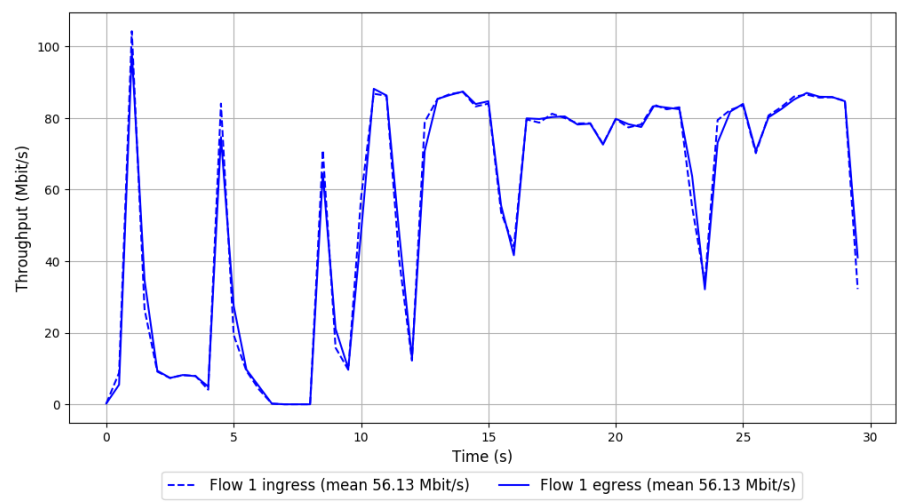
-- Flow 1:

Average throughput: 56.13 Mbit/s

95th percentile per-packet one-way delay: 53.856 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-03-06 04:51:57

End at: 2018-03-06 04:52:27

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 53.854 ms

Loss rate: 0.01%

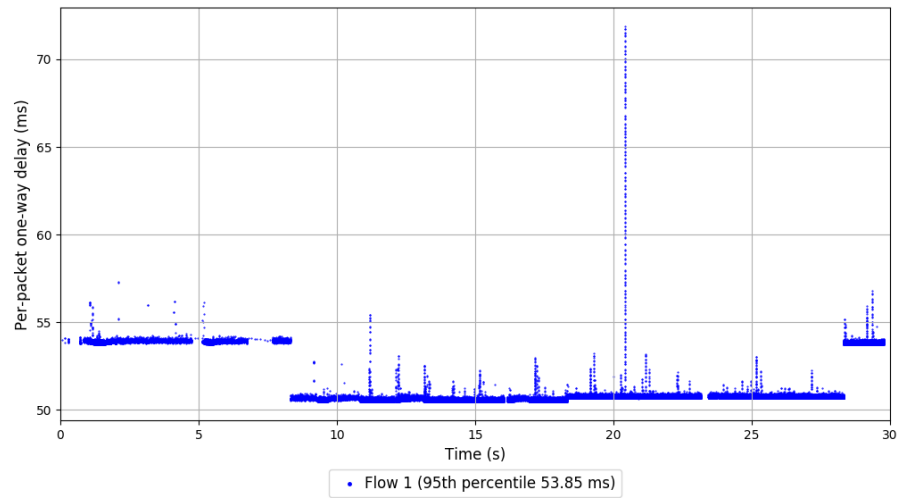
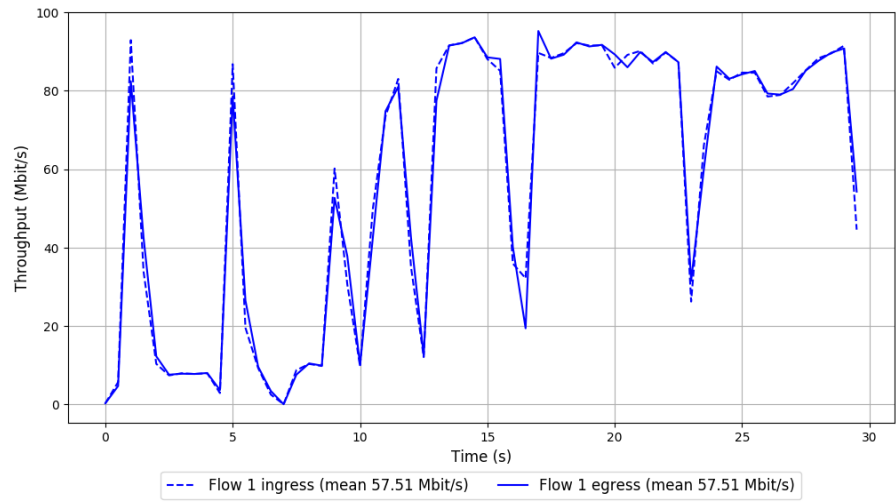
-- Flow 1:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 53.854 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

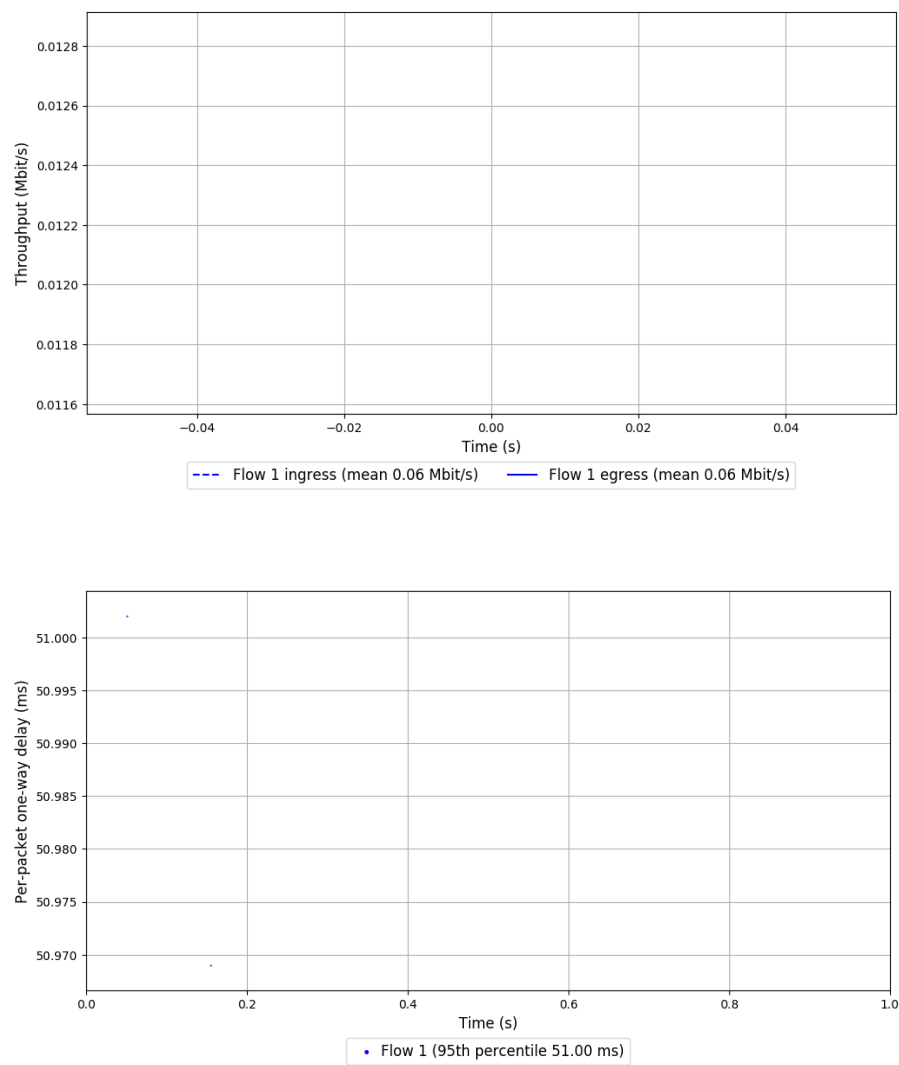


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-06 05:06:35

End at: 2018-03-06 05:07:05

Run 6: Report of QUIC Cubic — Data Link

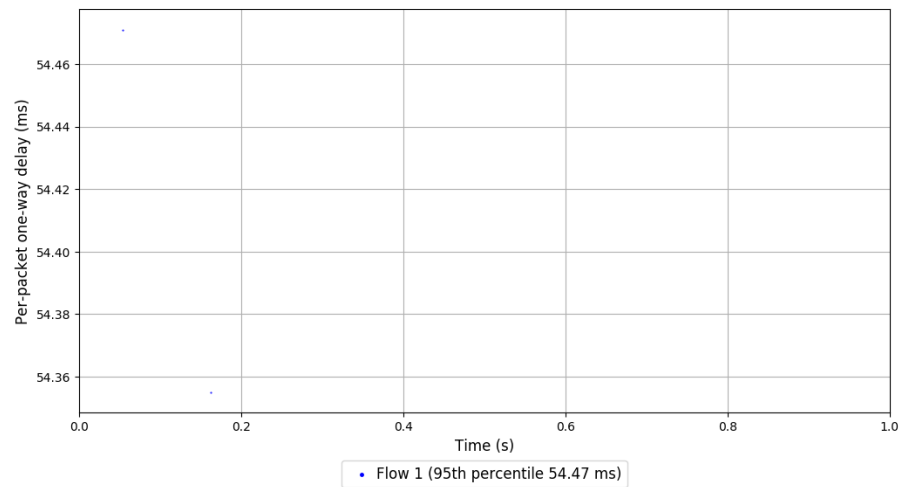
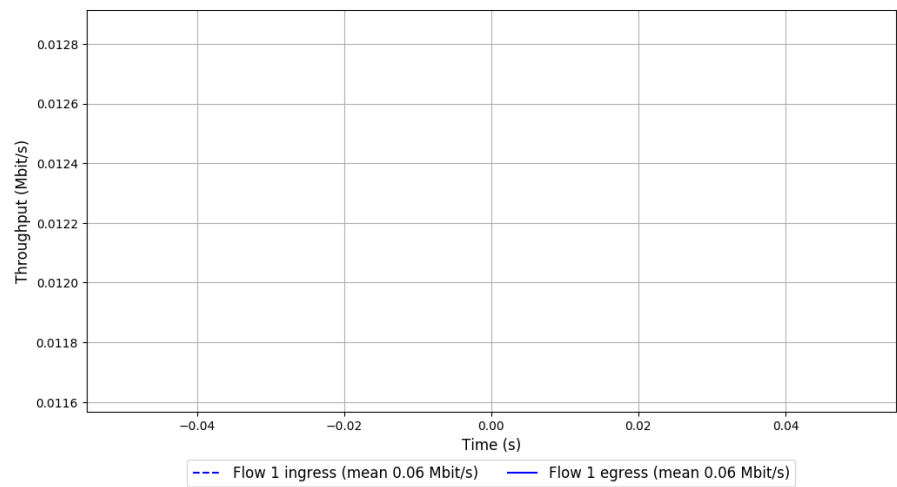


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-06 05:21:06

End at: 2018-03-06 05:21:36

Run 7: Report of QUIC Cubic — Data Link

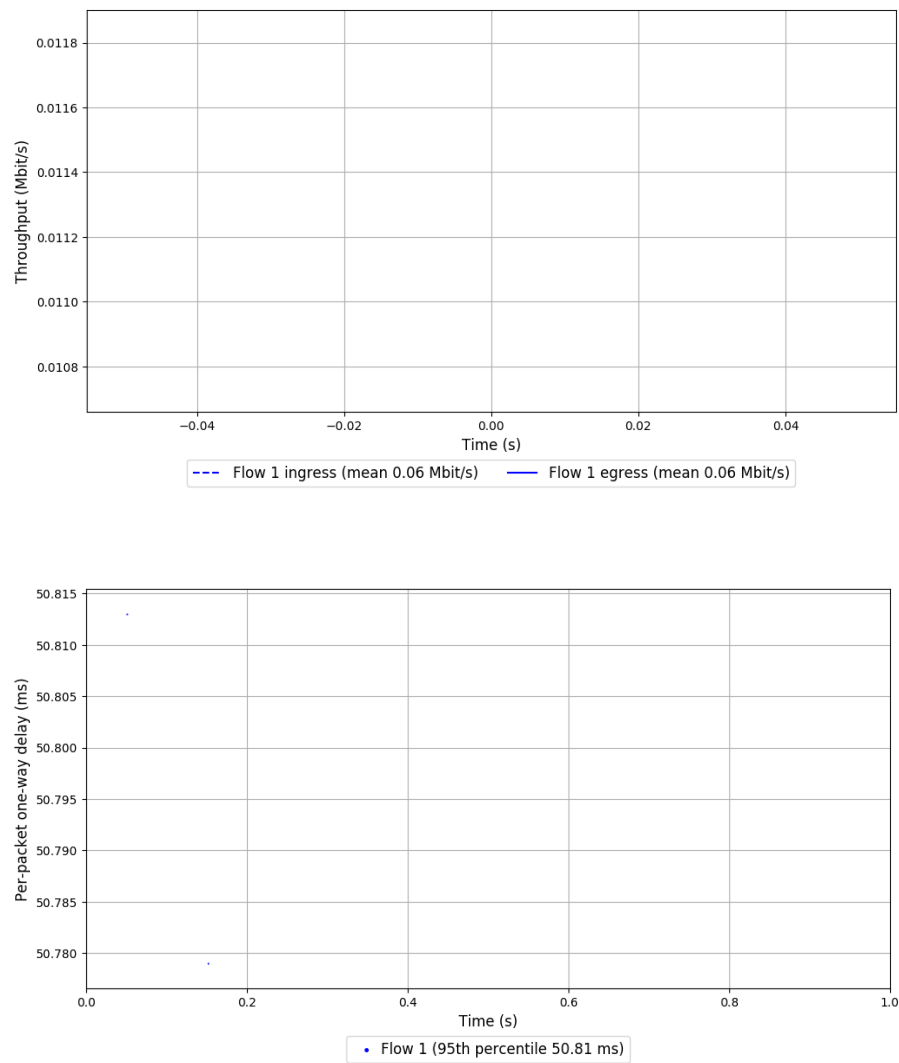


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-06 05:35:22

End at: 2018-03-06 05:35:52

Run 8: Report of QUIC Cubic — Data Link

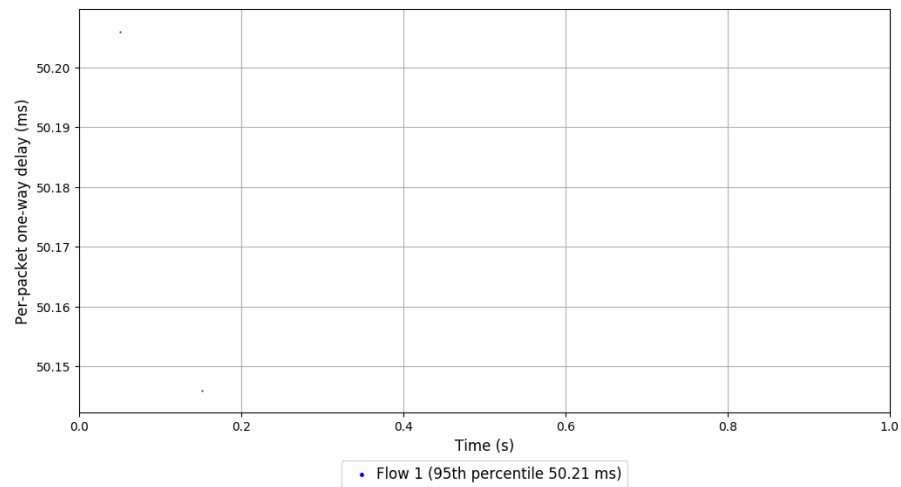
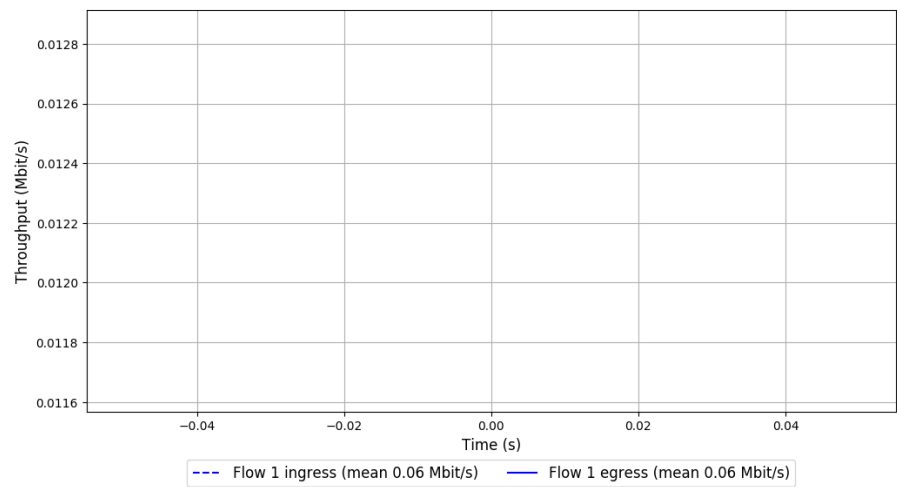


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-06 05:49:57

End at: 2018-03-06 05:50:27

Run 9: Report of QUIC Cubic — Data Link

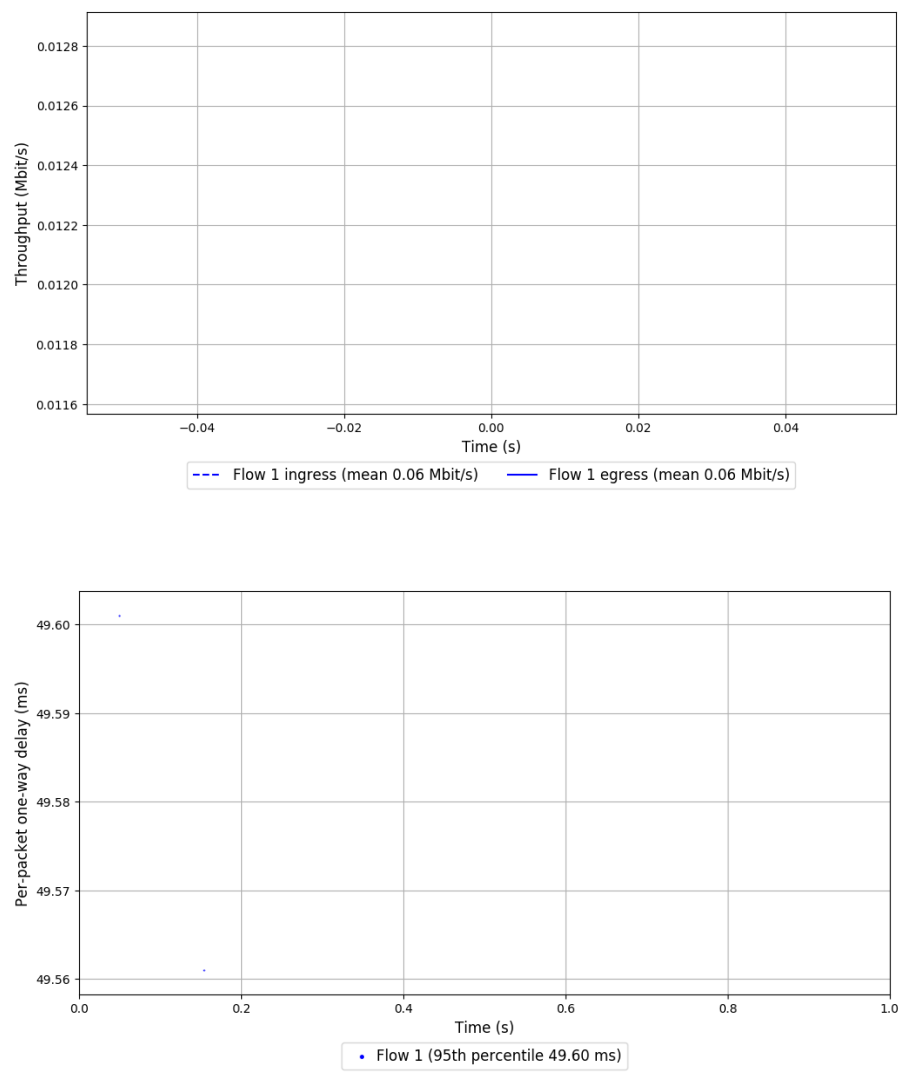


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-06 06:04:16

End at: 2018-03-06 06:04:46

Run 10: Report of QUIC Cubic — Data Link

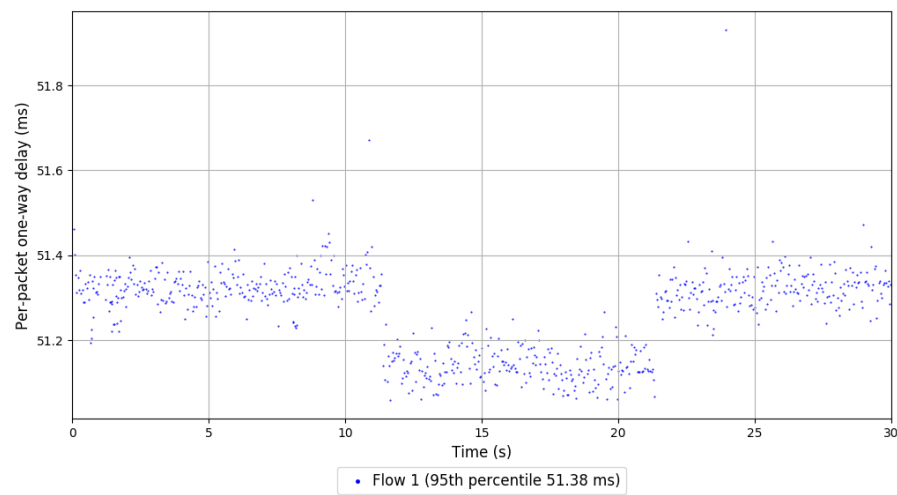
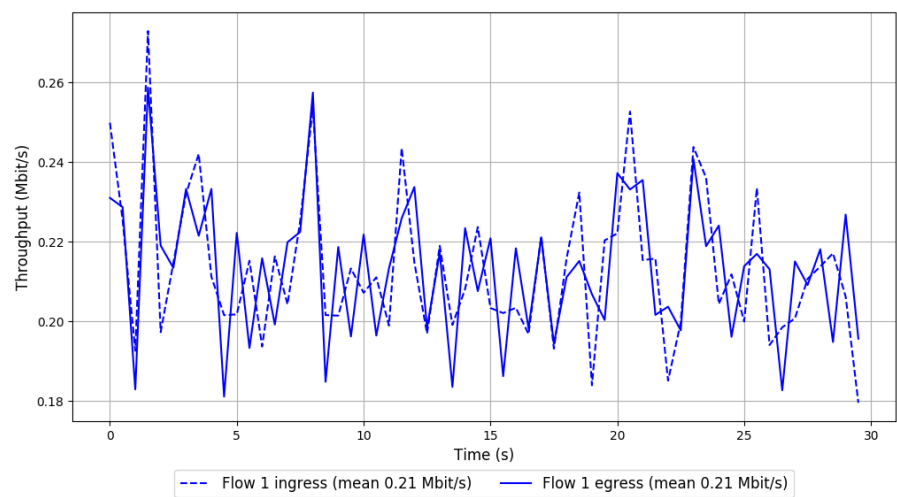


```
Run 1: Statistics of SCReAM

Start at: 2018-03-06 03:51:44
End at: 2018-03-06 03:52:14

# Below is generated by plot.py at 2018-03-06 08:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.379 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-03-06 04:06:08

End at: 2018-03-06 04:06:38

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

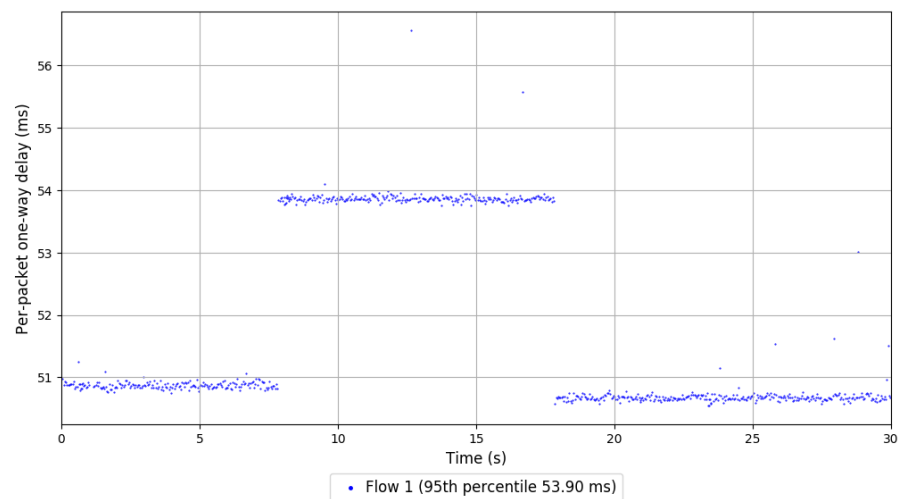
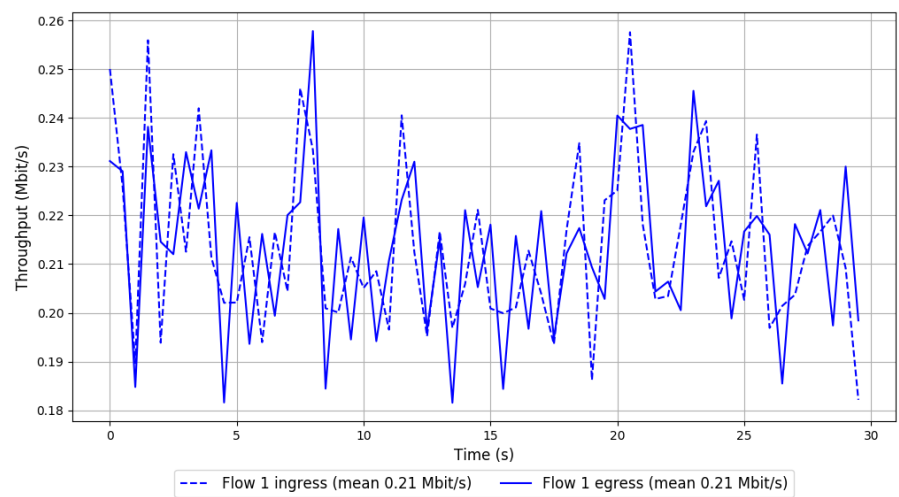
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-03-06 04:20:48

End at: 2018-03-06 04:21:18

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 53.795 ms

Loss rate: 0.00%

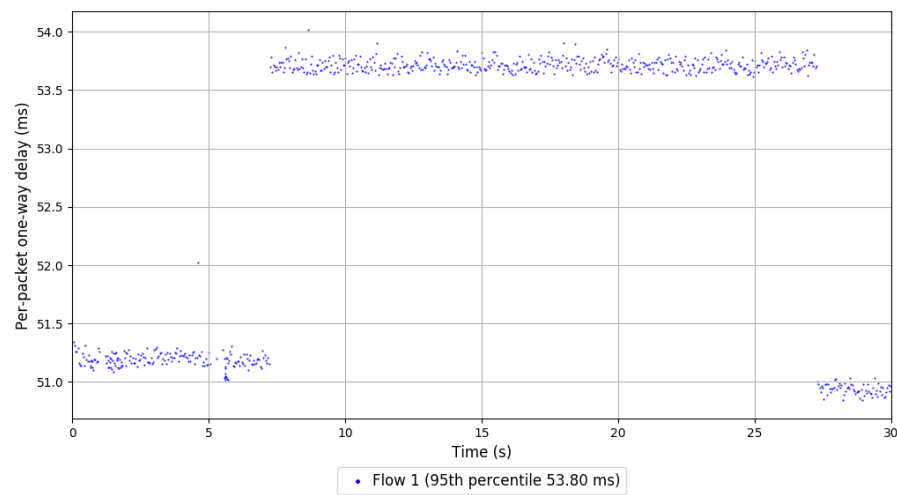
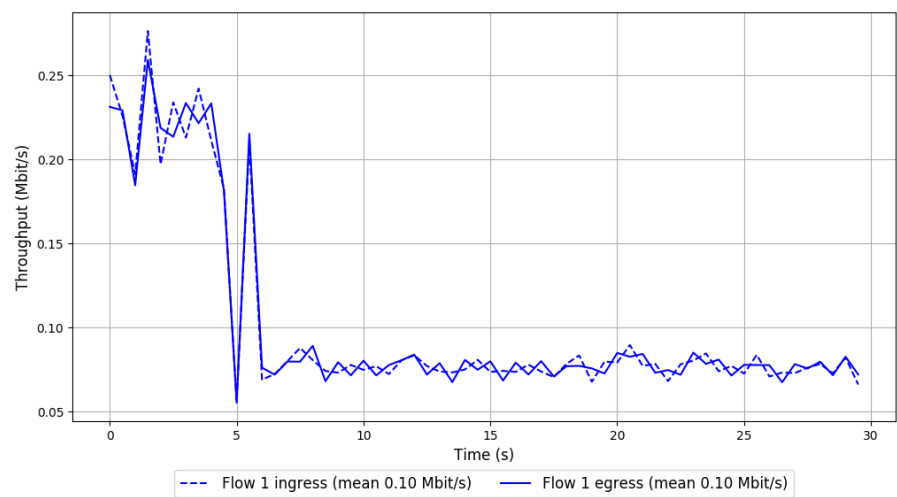
-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 53.795 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

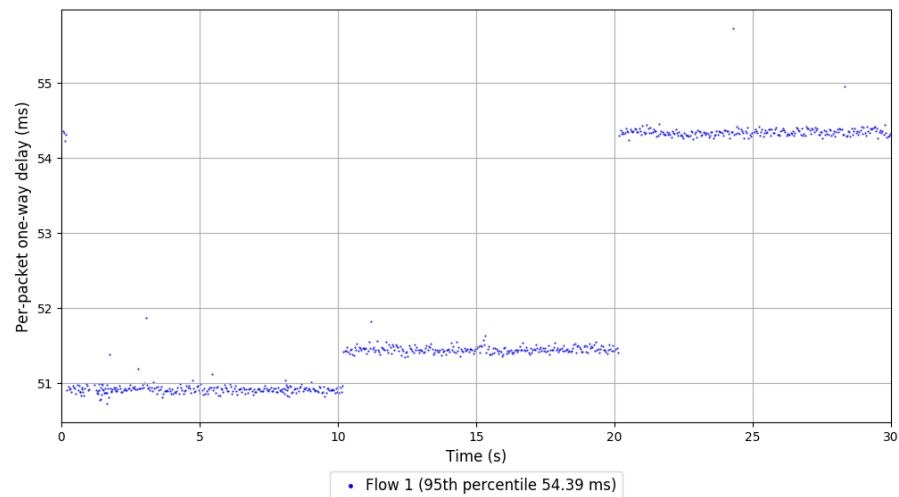
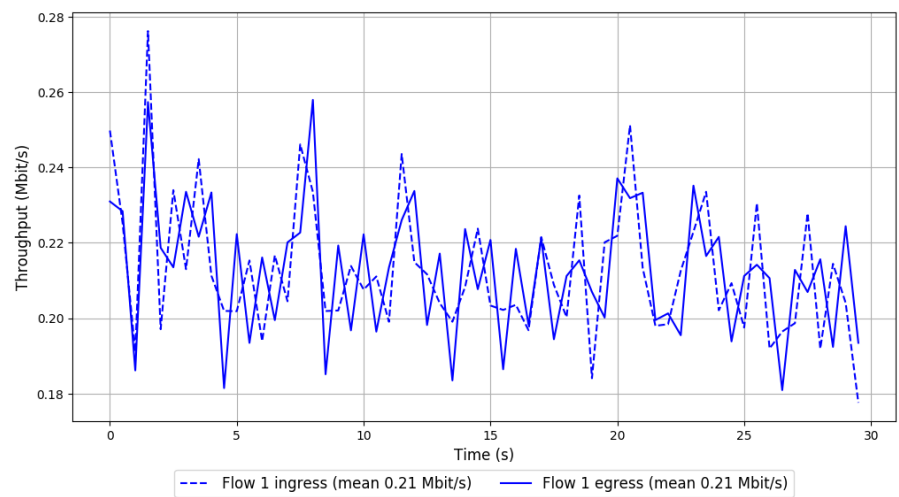


```
Run 4: Statistics of SCReAM

Start at: 2018-03-06 04:35:15
End at: 2018-03-06 04:35:45

# Below is generated by plot.py at 2018-03-06 08:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.388 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-03-06 04:49:36

End at: 2018-03-06 04:50:06

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.572 ms

Loss rate: 0.00%

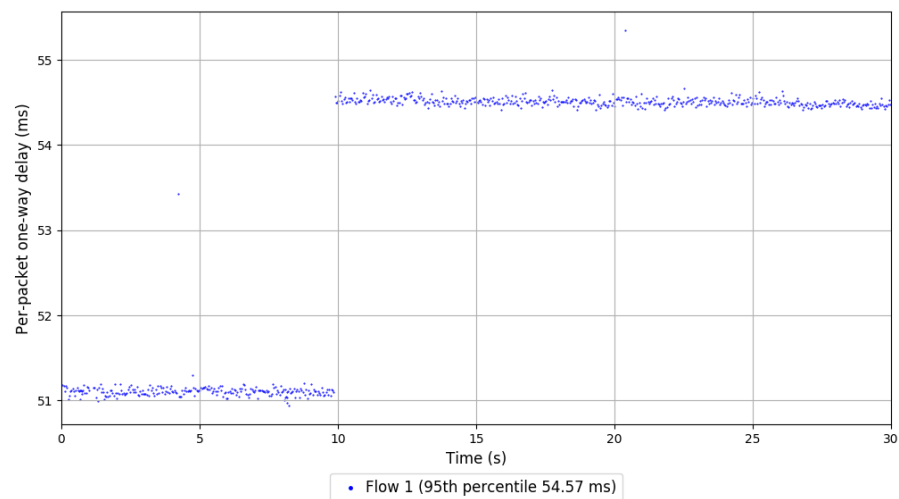
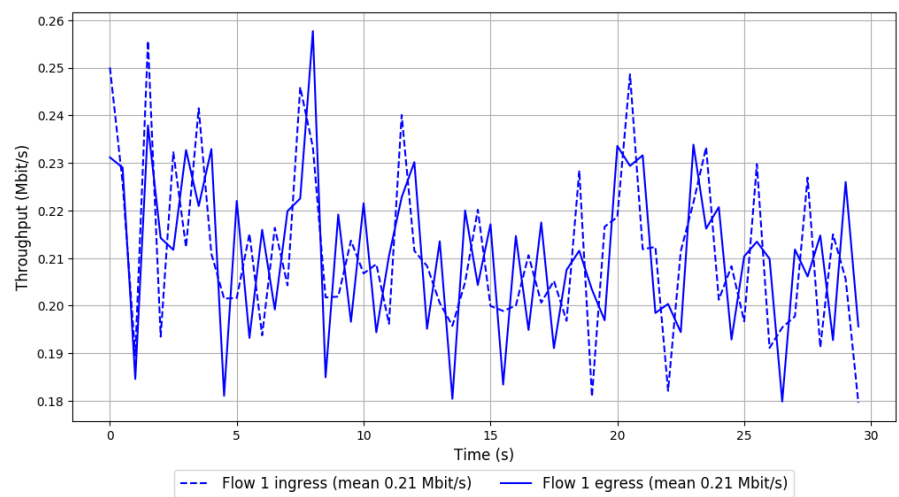
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.572 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-03-06 05:04:12

End at: 2018-03-06 05:04:42

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.606 ms

Loss rate: 0.00%

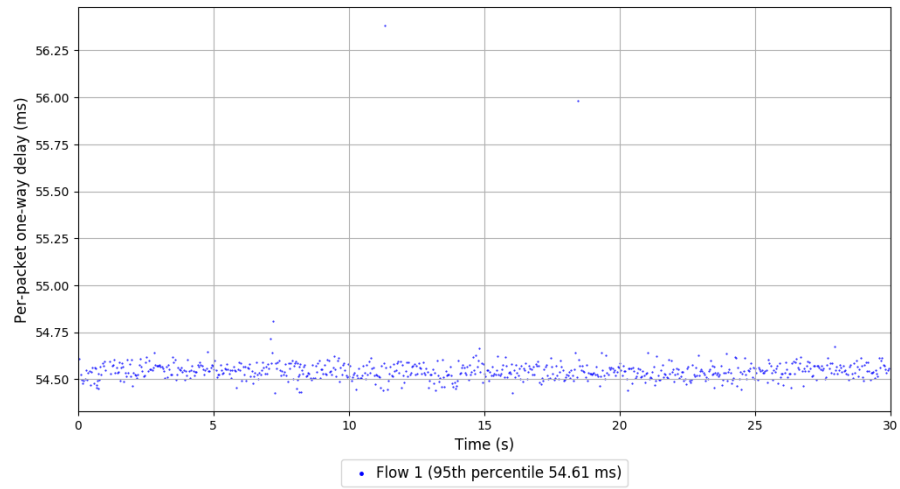
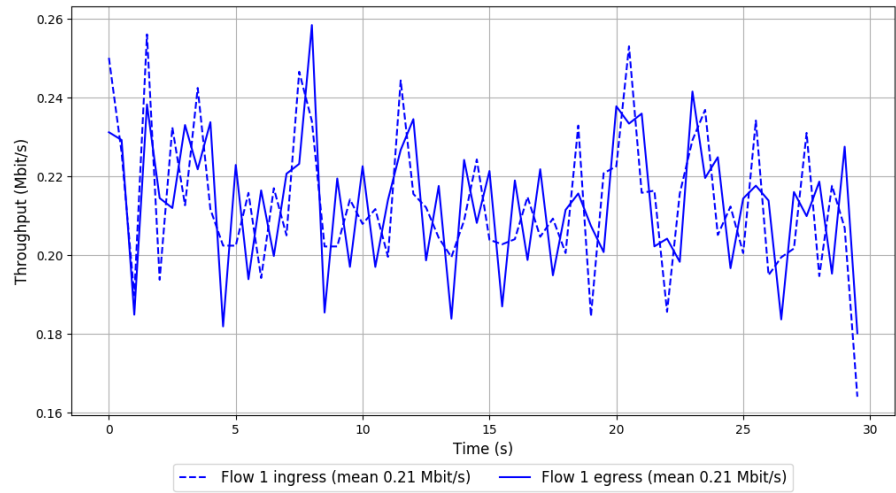
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.606 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-03-06 05:18:44

End at: 2018-03-06 05:19:14

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 54.146 ms

Loss rate: 0.00%

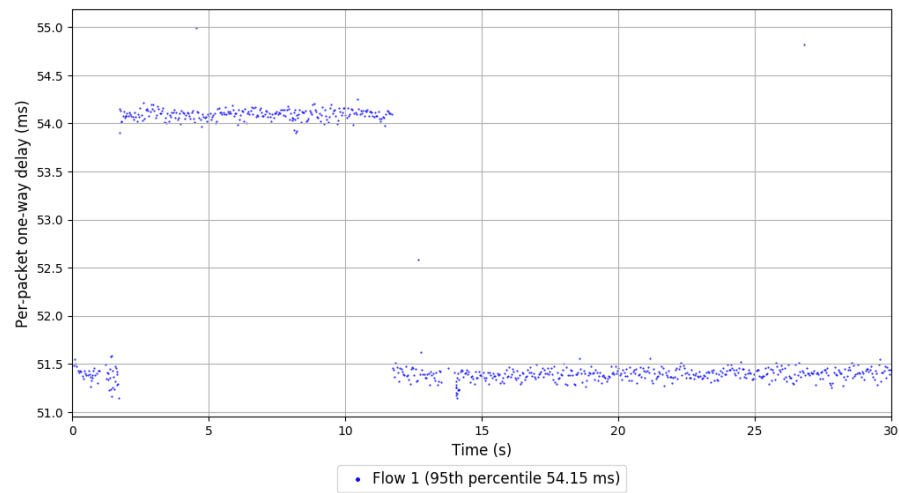
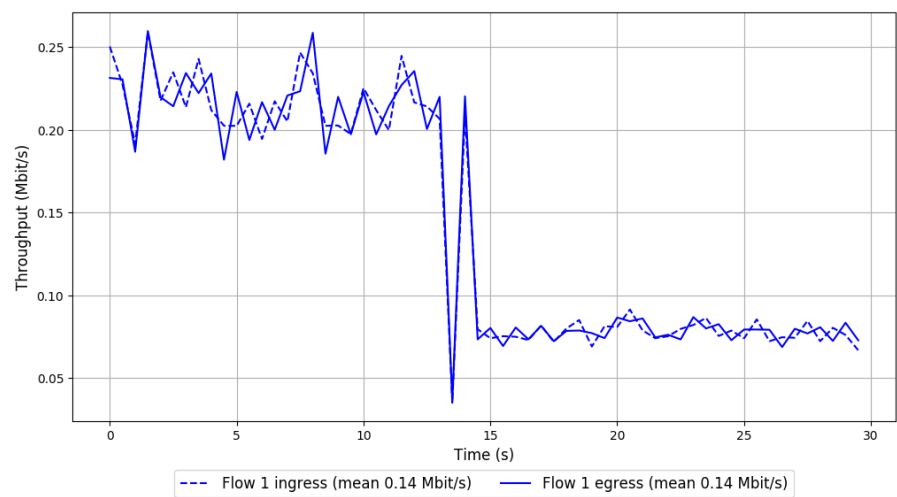
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 54.146 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-03-06 05:32:57

End at: 2018-03-06 05:33:27

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.420 ms

Loss rate: 0.00%

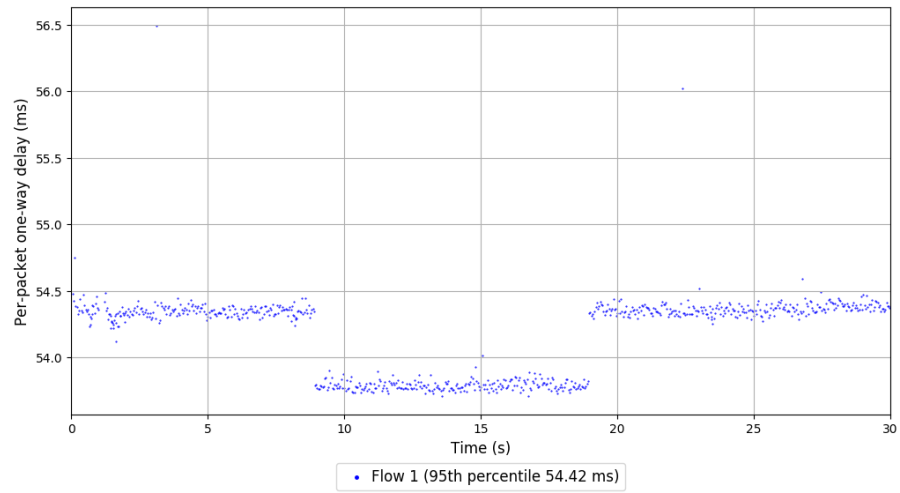
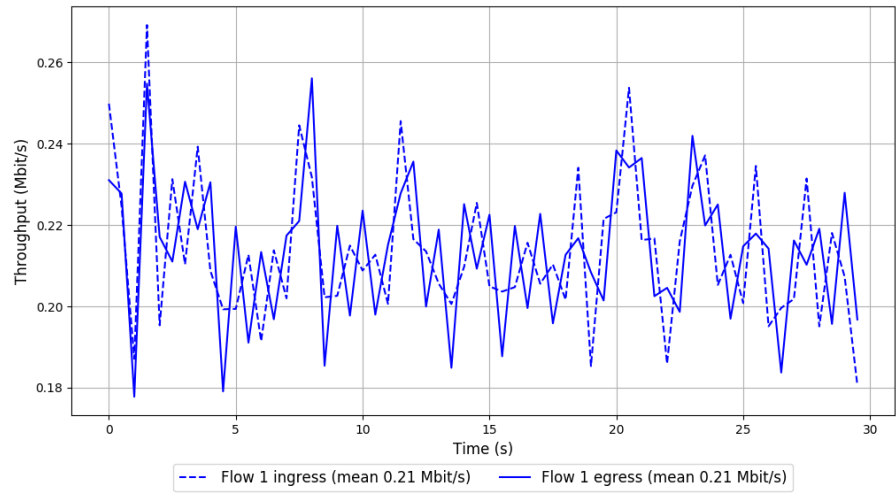
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.420 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-03-06 05:47:34

End at: 2018-03-06 05:48:04

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.923 ms

Loss rate: 0.00%

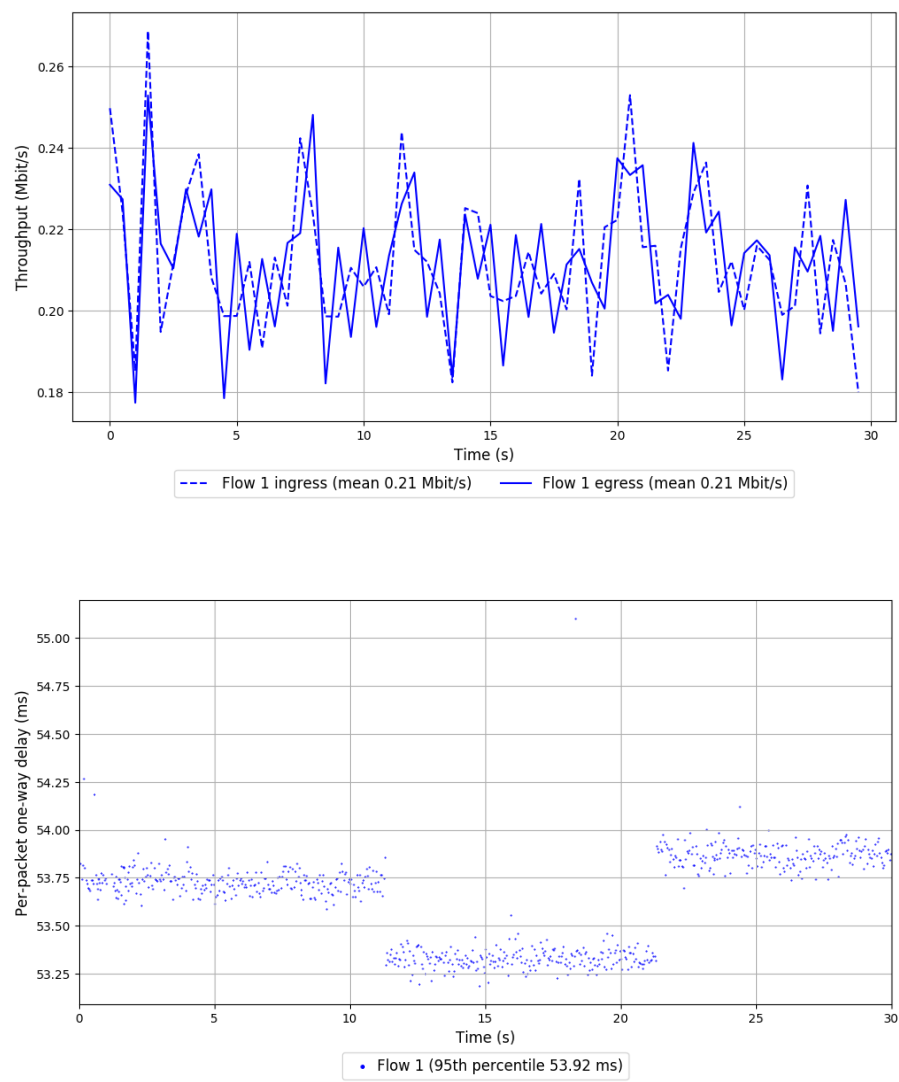
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.923 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-03-06 06:01:50

End at: 2018-03-06 06:02:20

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

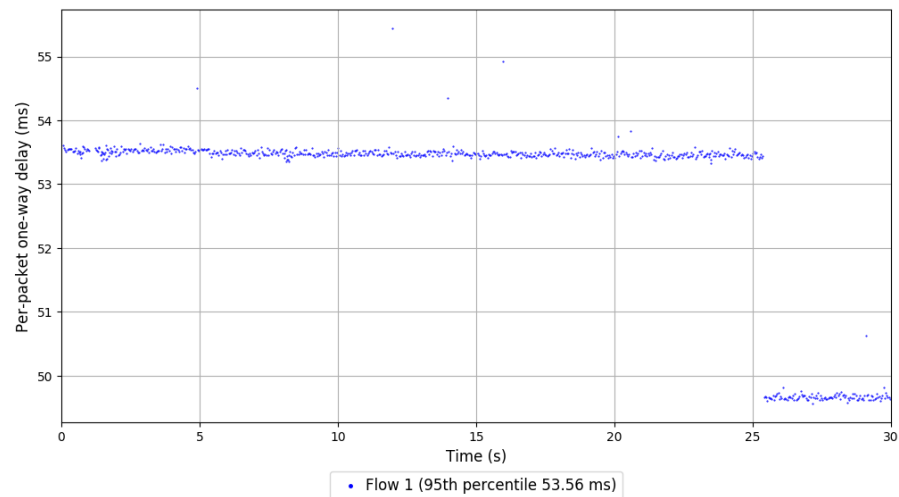
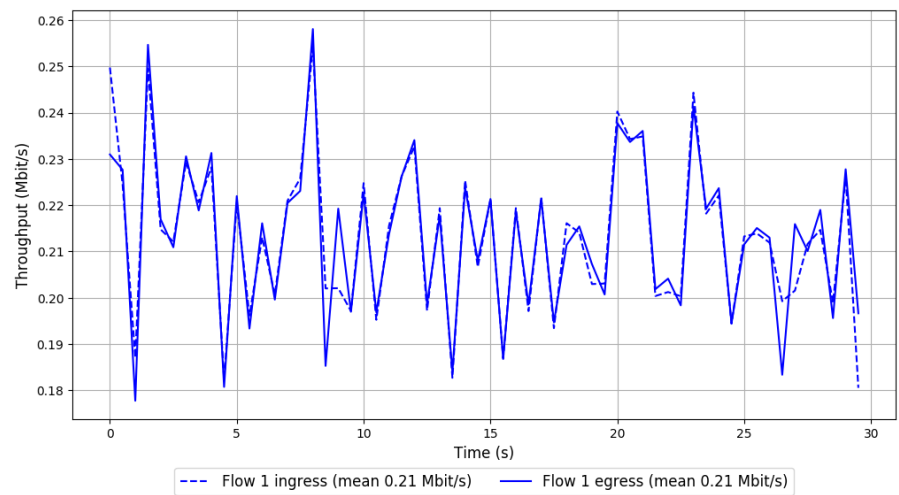
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

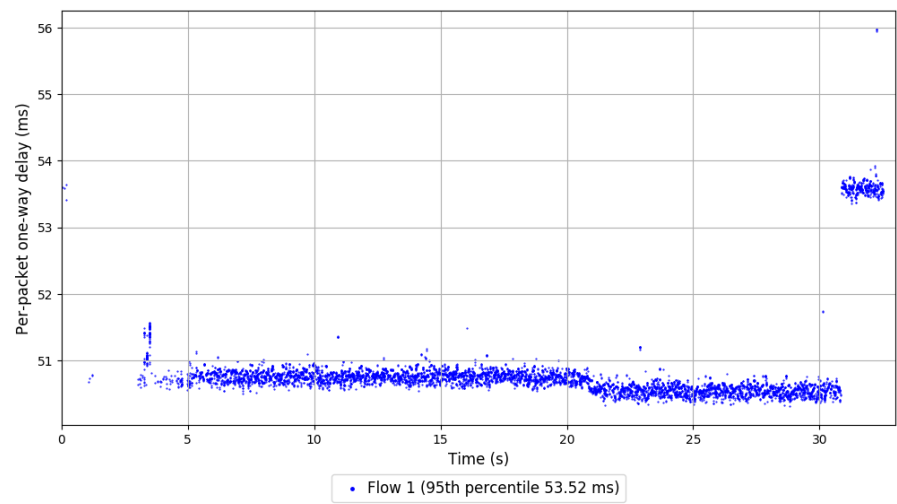
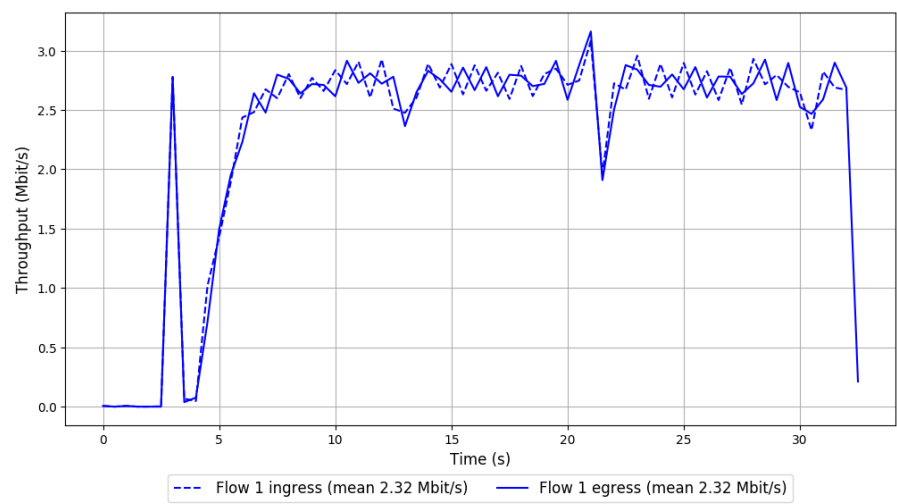


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-06 03:51:07
End at: 2018-03-06 03:51:37

# Below is generated by plot.py at 2018-03-06 08:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 53.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 53.523 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-06 04:05:31

End at: 2018-03-06 04:06:01

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 54.339 ms

Loss rate: 0.00%

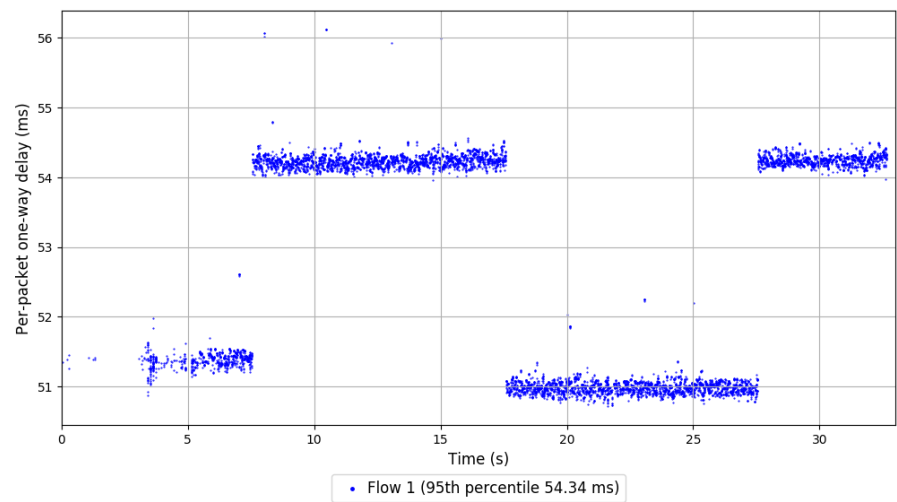
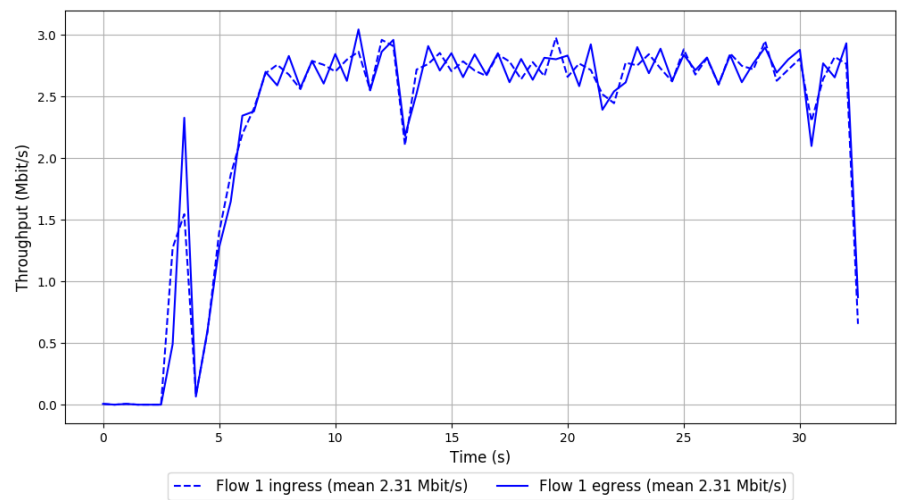
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 54.339 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-03-06 04:20:11

End at: 2018-03-06 04:20:41

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 53.843 ms

Loss rate: 0.00%

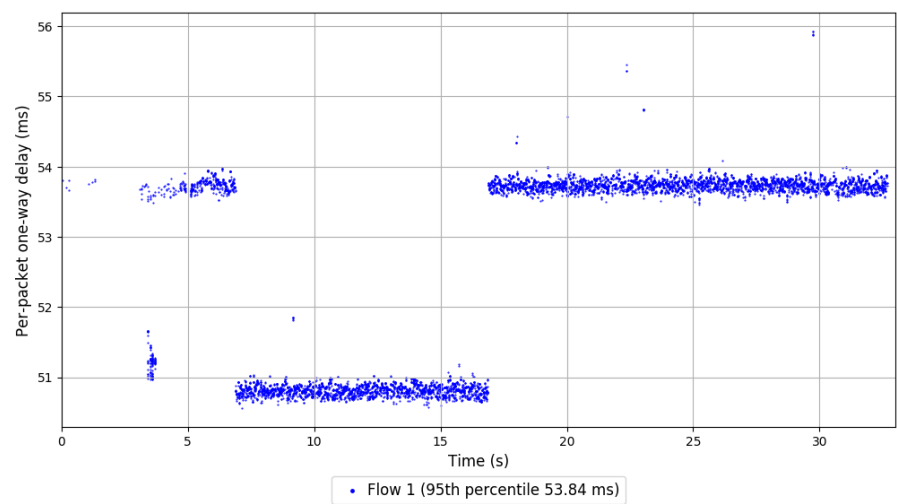
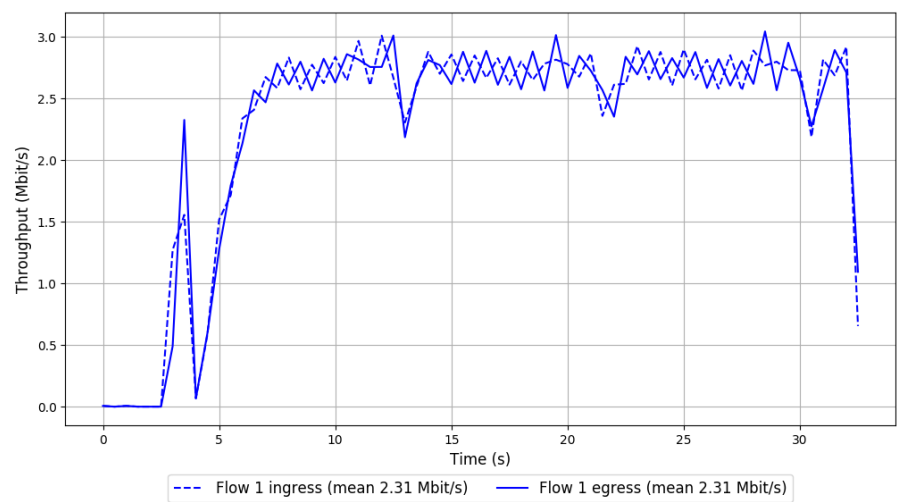
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 53.843 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-06 04:34:38

End at: 2018-03-06 04:35:08

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 50.848 ms

Loss rate: 0.00%

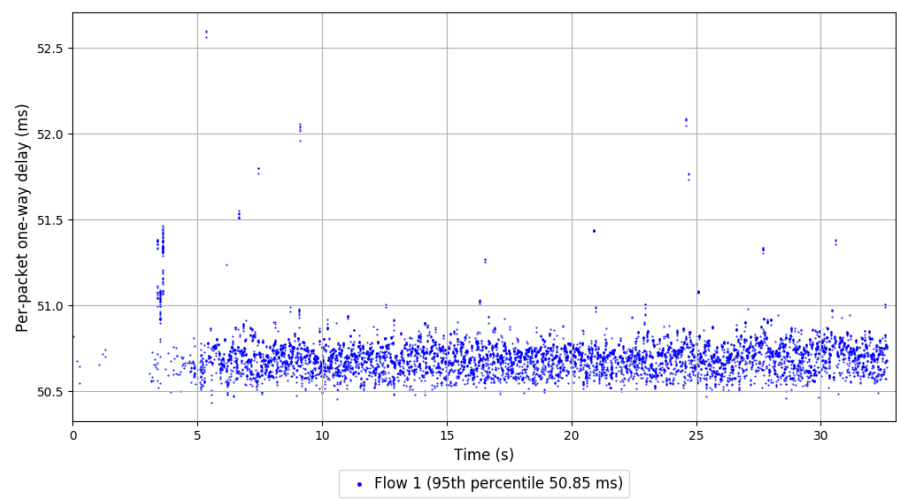
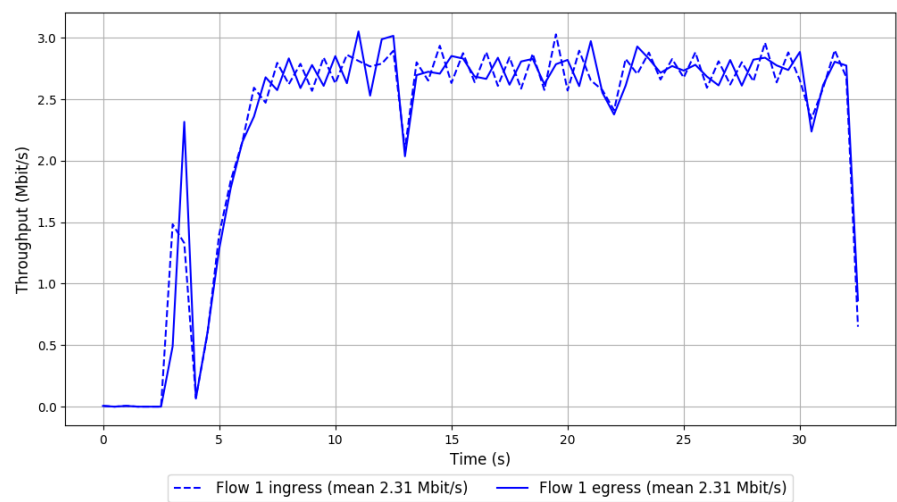
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 50.848 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-03-06 04:48:59

End at: 2018-03-06 04:49:29

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 54.400 ms

Loss rate: 0.00%

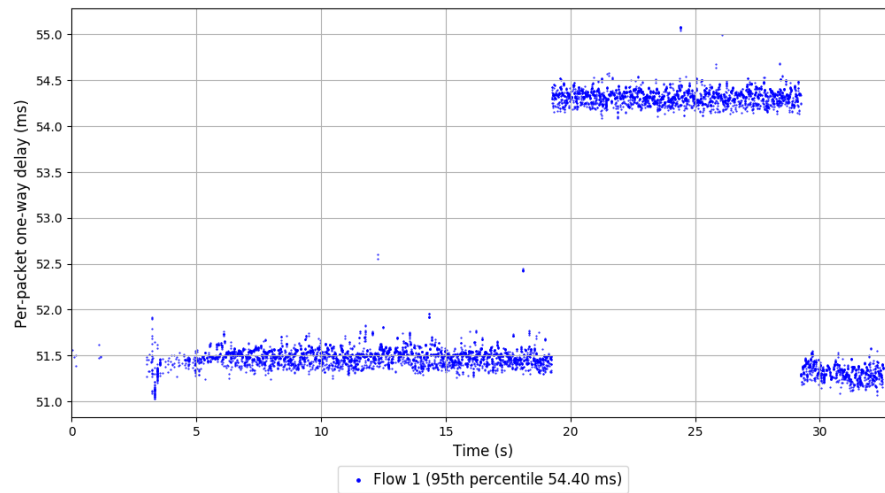
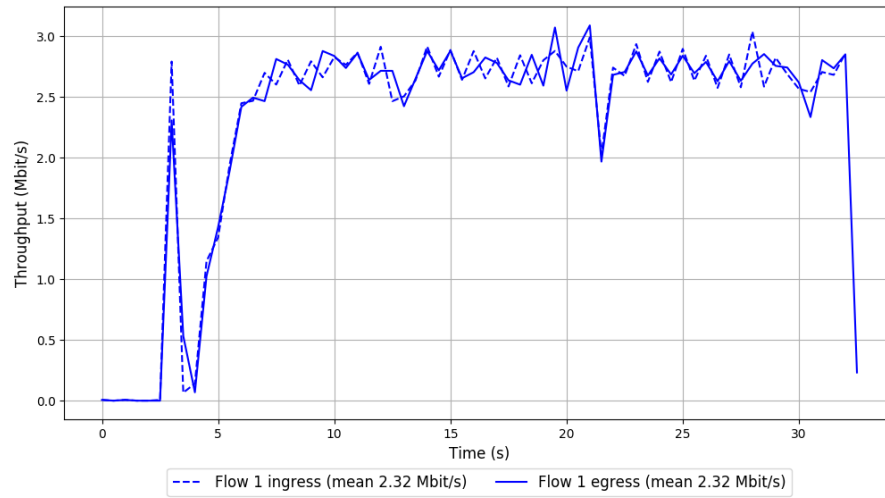
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 54.400 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-03-06 05:03:34

End at: 2018-03-06 05:04:04

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 54.529 ms

Loss rate: 0.05%

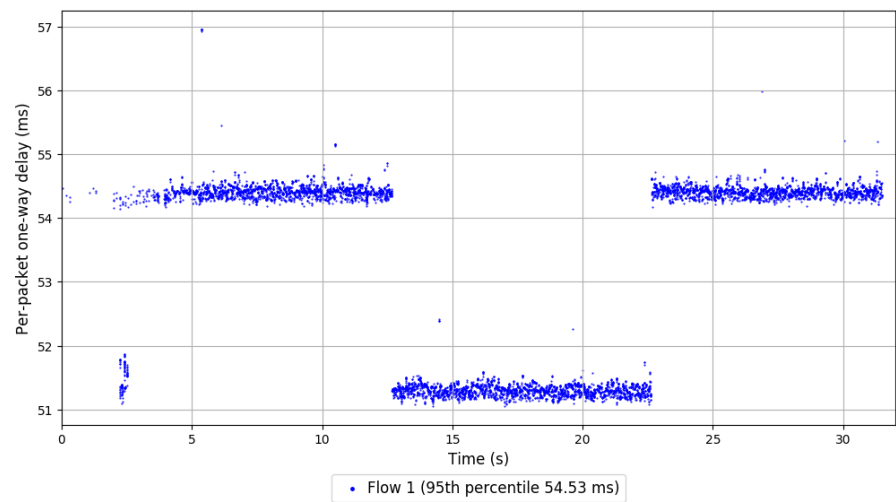
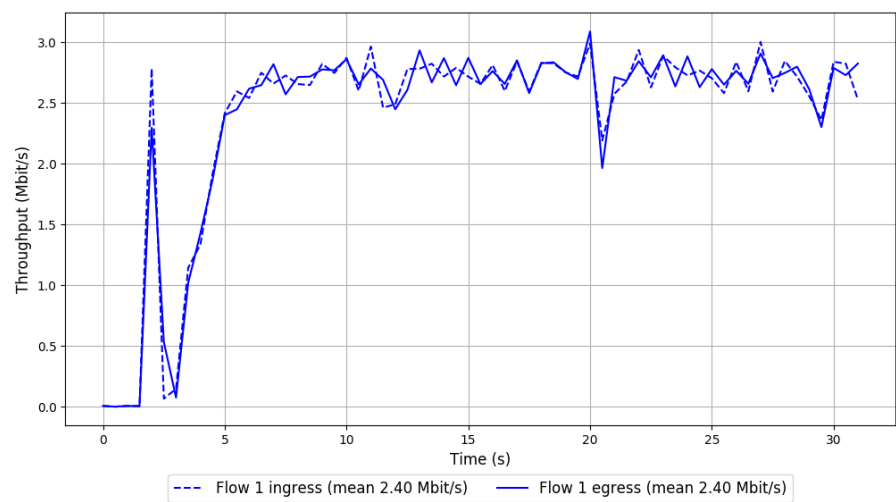
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 54.529 ms

Loss rate: 0.05%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-06 05:18:07

End at: 2018-03-06 05:18:37

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 54.626 ms

Loss rate: 0.00%

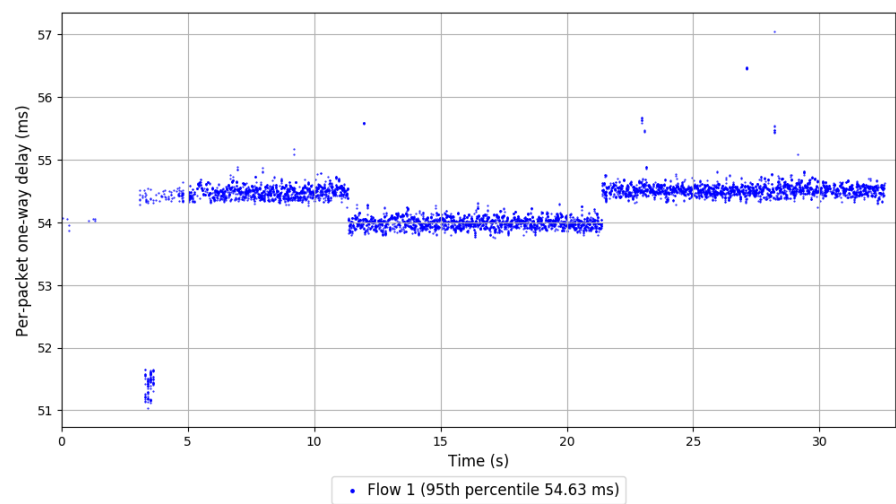
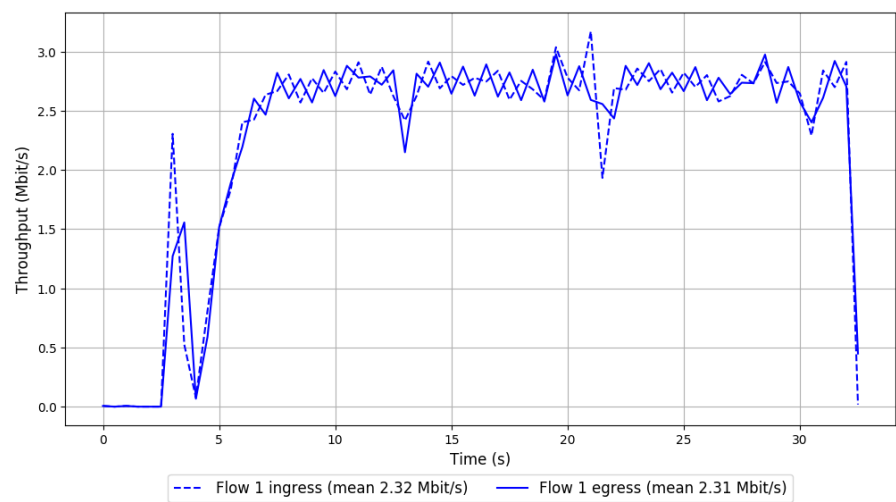
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 54.626 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-03-06 05:32:20

End at: 2018-03-06 05:32:50

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 50.943 ms

Loss rate: 0.00%

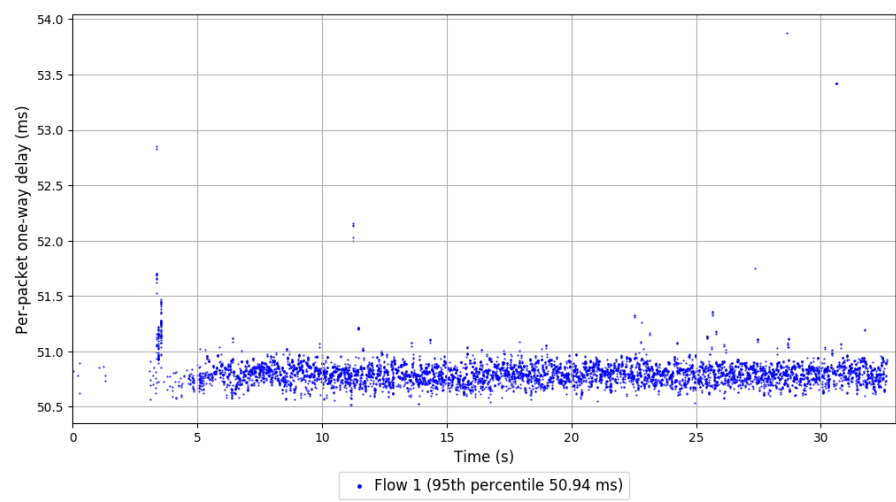
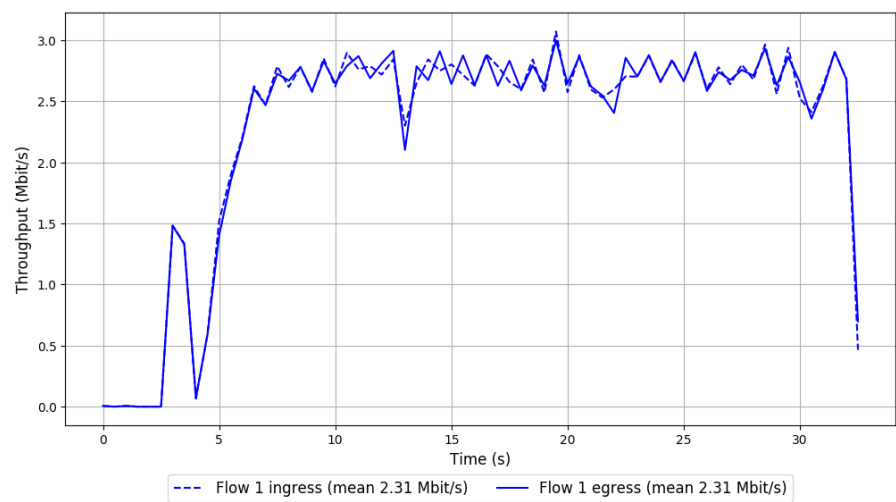
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 50.943 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-03-06 05:46:57

End at: 2018-03-06 05:47:27

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.966 ms

Loss rate: 0.00%

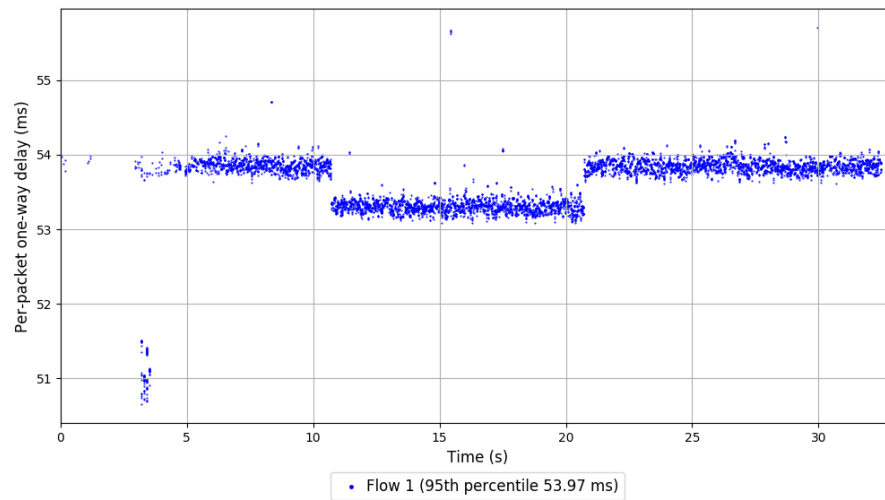
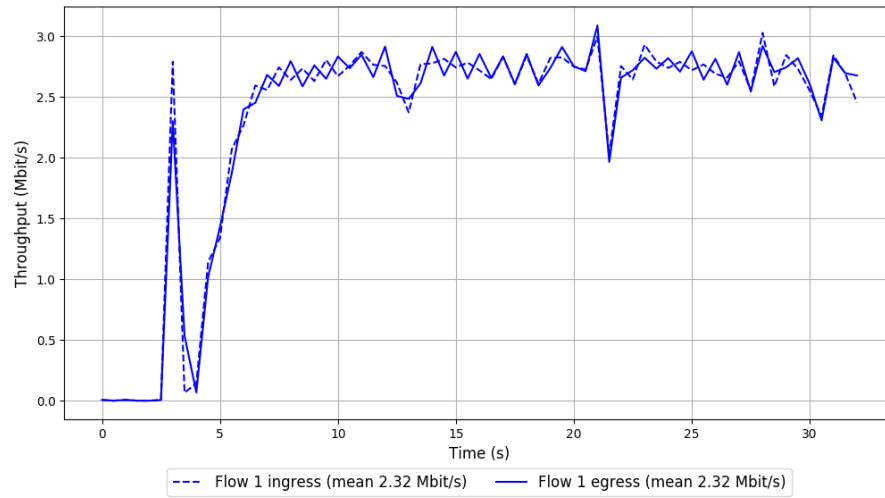
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.966 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-06 06:01:13

End at: 2018-03-06 06:01:43

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 52.915 ms

Loss rate: 0.00%

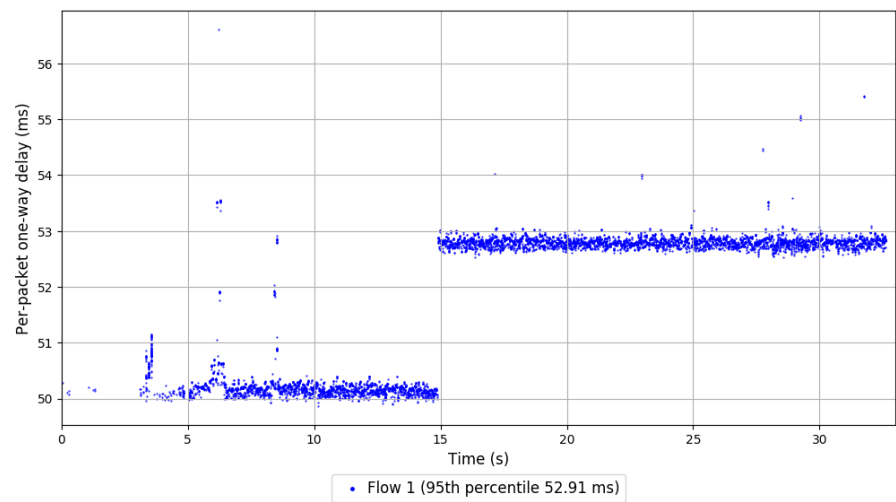
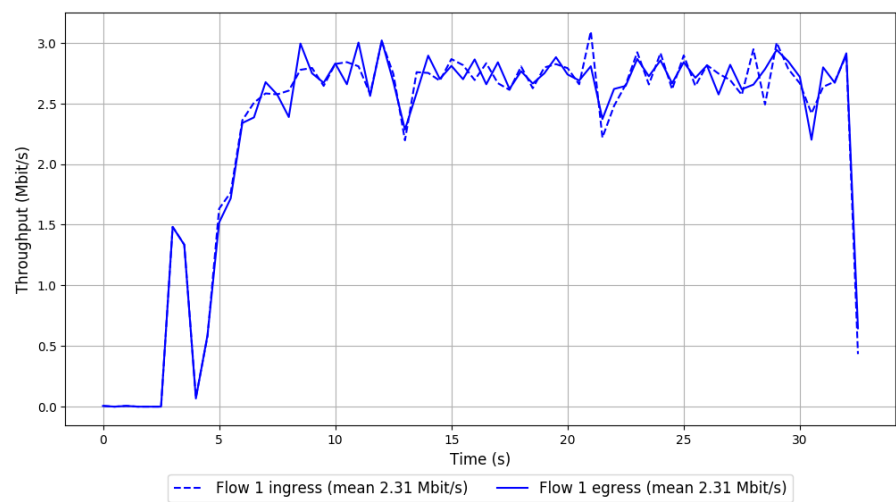
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 52.915 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-03-06 03:55:35

End at: 2018-03-06 03:56:05

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 52.281 ms

Loss rate: 0.00%

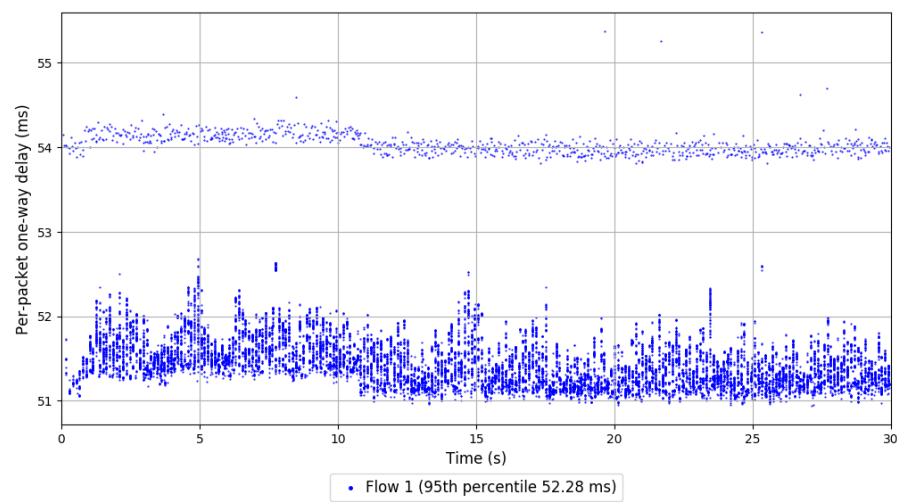
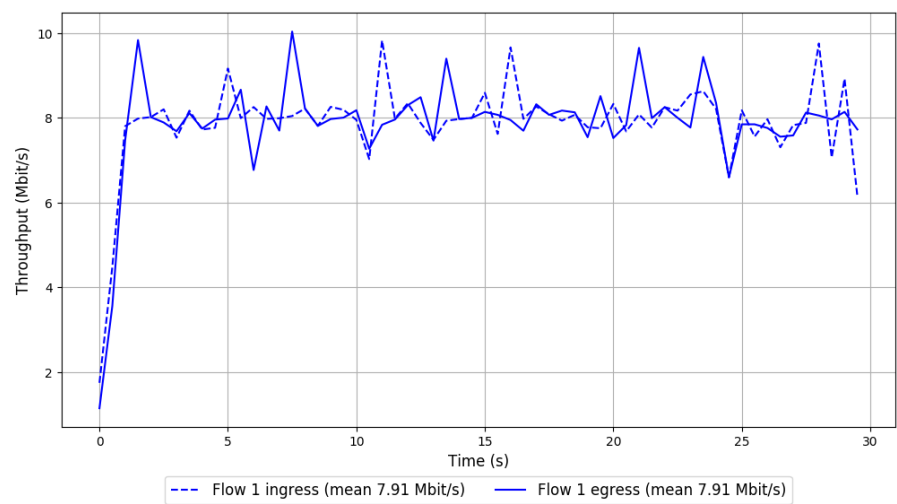
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 52.281 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-03-06 04:09:57

End at: 2018-03-06 04:10:27

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 52.006 ms

Loss rate: 0.00%

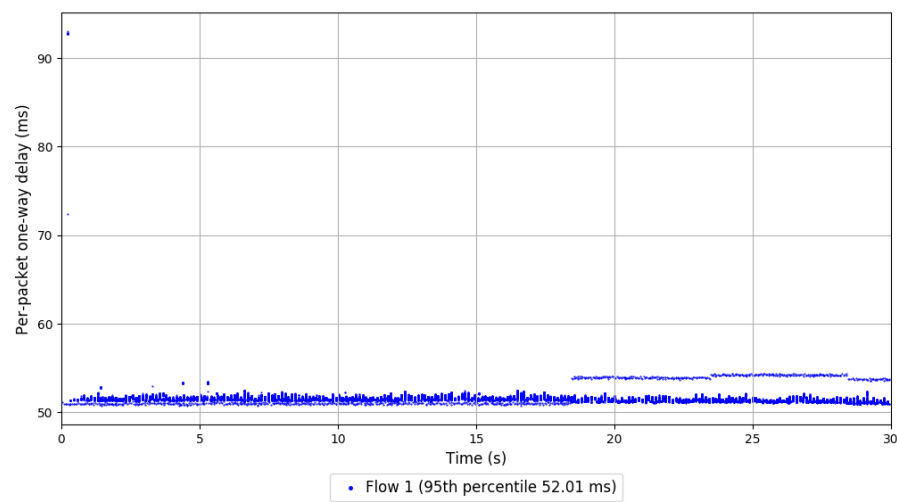
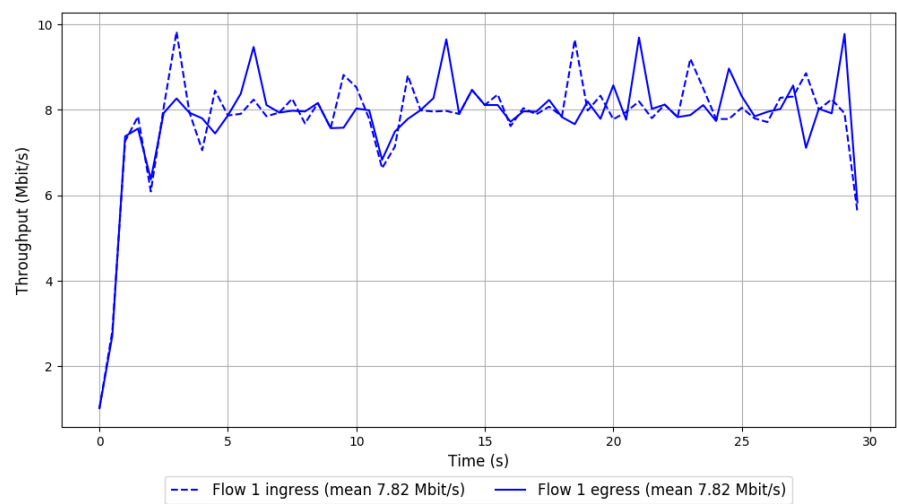
-- Flow 1:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 52.006 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-03-06 04:24:37

End at: 2018-03-06 04:25:07

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 52.185 ms

Loss rate: 0.00%

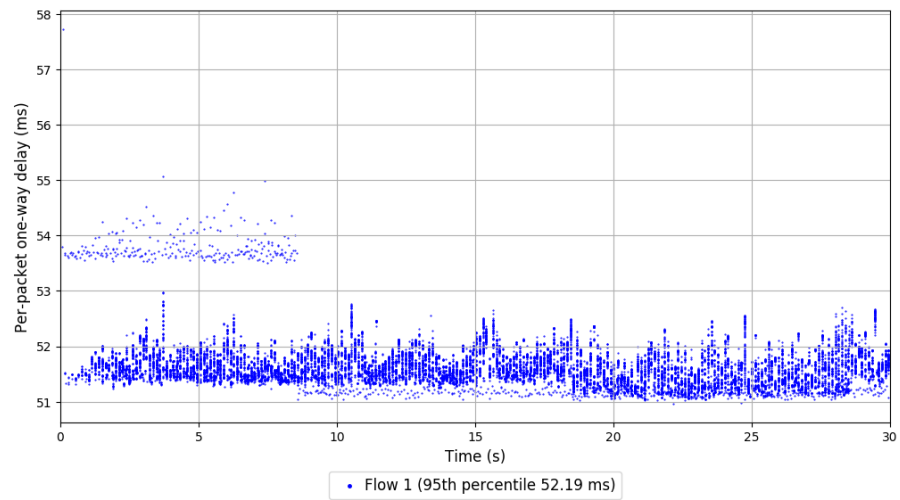
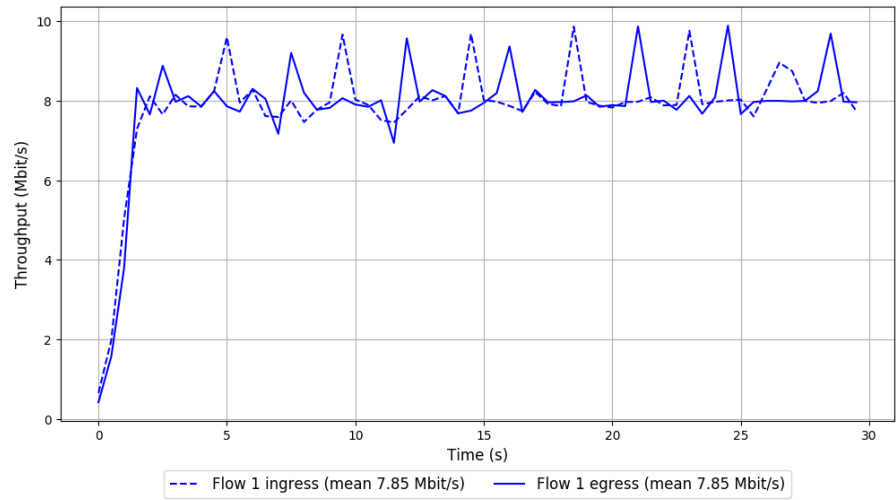
-- Flow 1:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 52.185 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-03-06 04:39:08

End at: 2018-03-06 04:39:38

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 52.258 ms

Loss rate: 0.00%

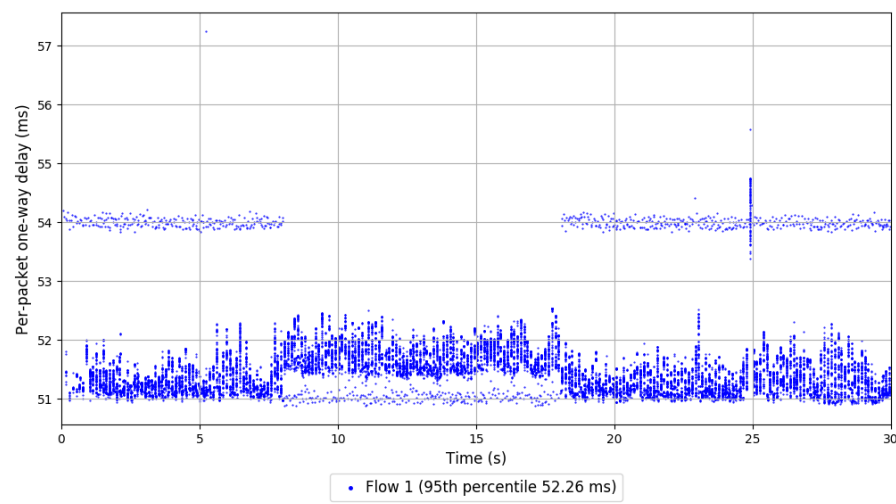
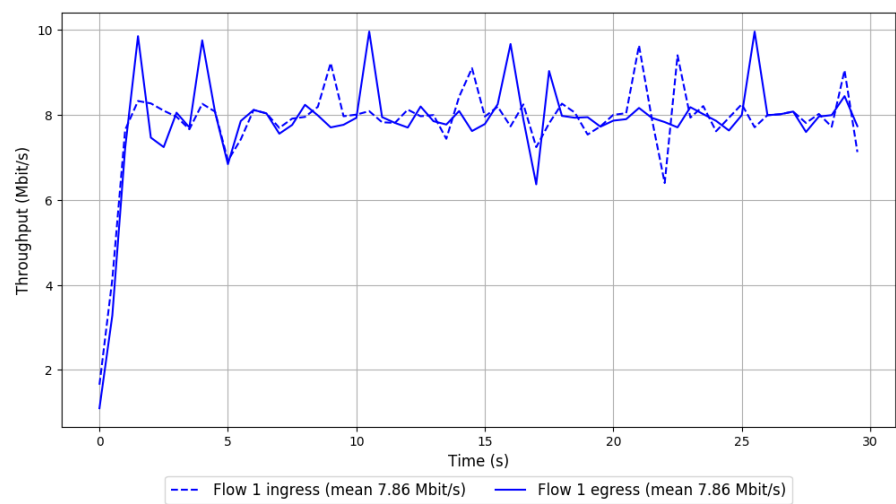
-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 52.258 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-03-06 04:53:24

End at: 2018-03-06 04:53:54

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 52.231 ms

Loss rate: 0.00%

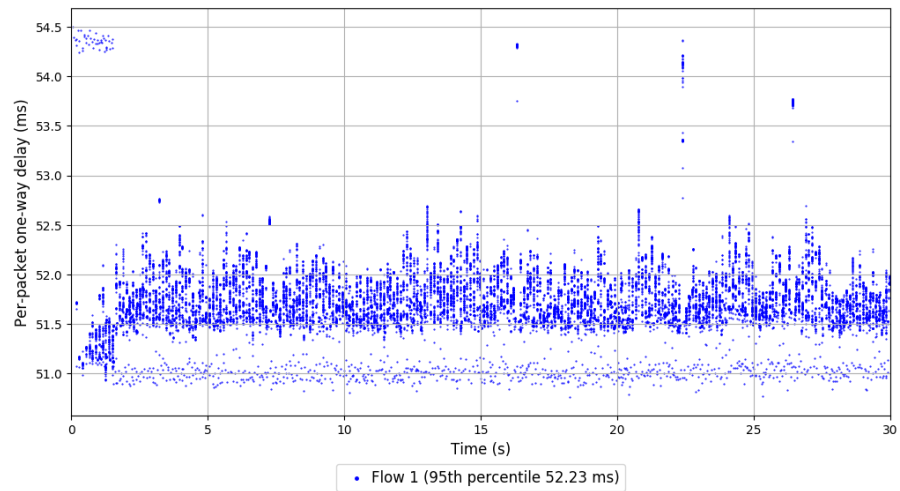
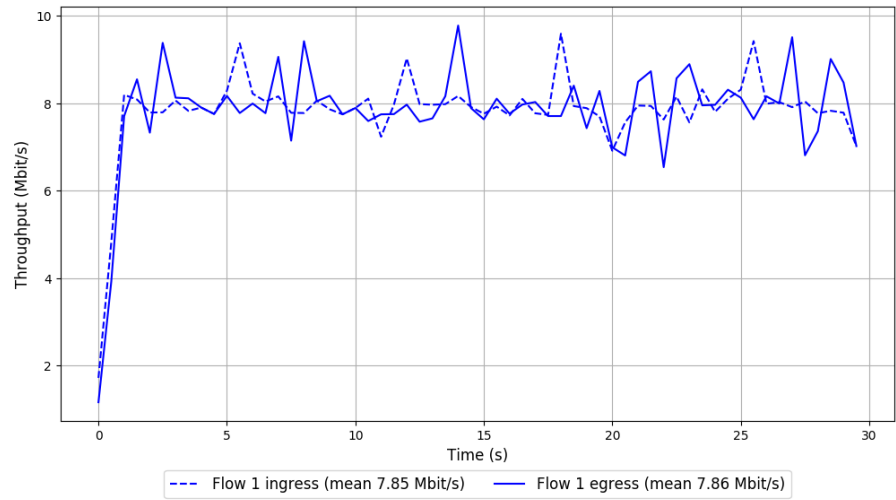
-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 52.231 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-03-06 05:07:58

End at: 2018-03-06 05:08:28

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 52.493 ms

Loss rate: 0.00%

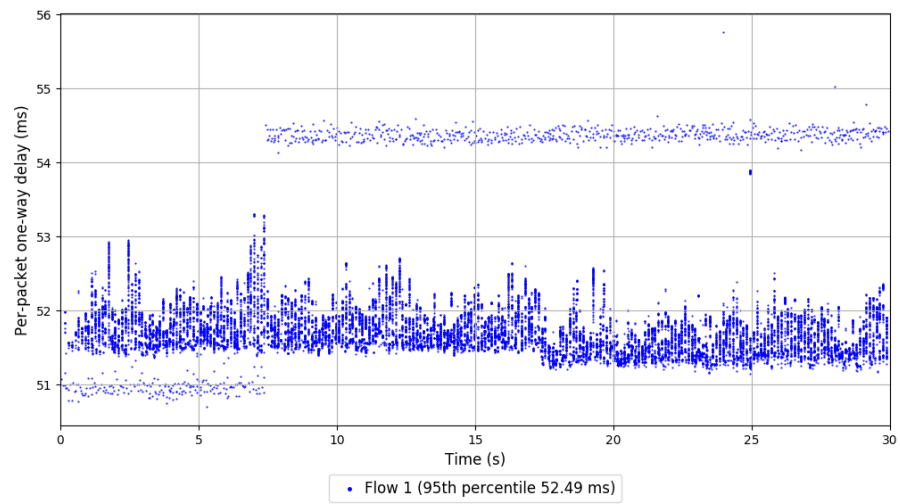
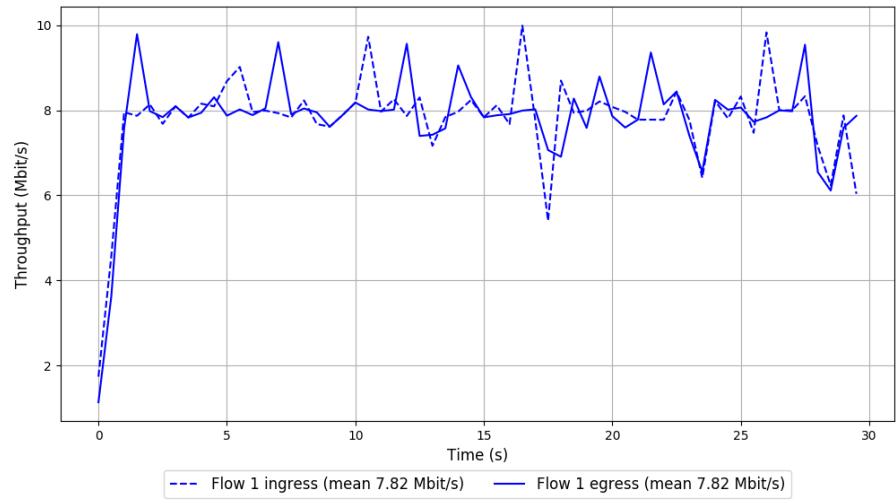
-- Flow 1:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 52.493 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-03-06 05:22:31

End at: 2018-03-06 05:23:01

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 52.304 ms

Loss rate: 0.00%

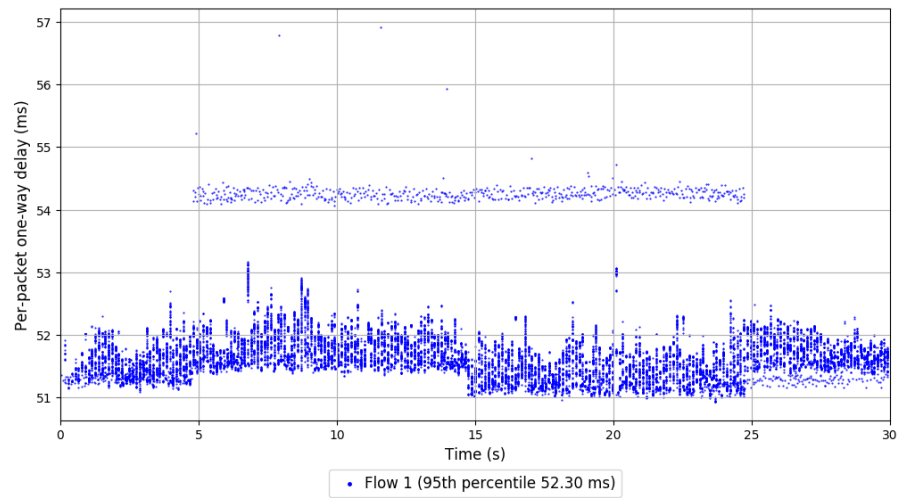
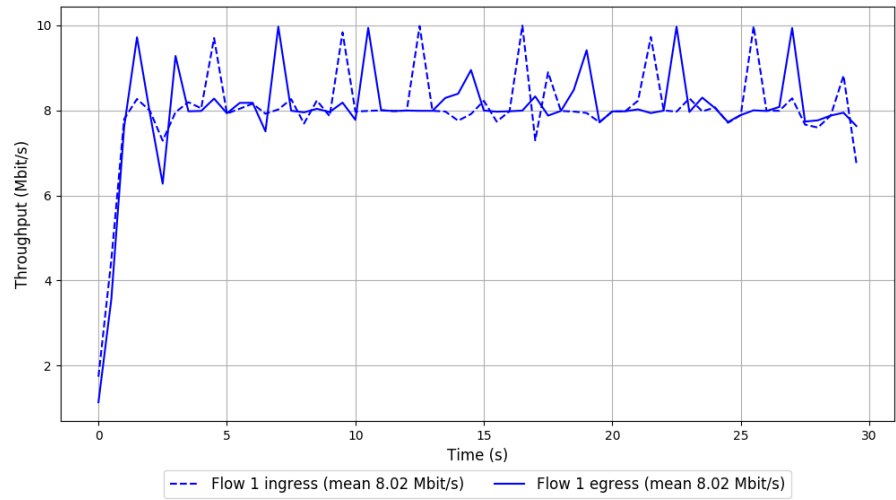
-- Flow 1:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 52.304 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-03-06 05:36:46

End at: 2018-03-06 05:37:16

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 52.220 ms

Loss rate: 0.00%

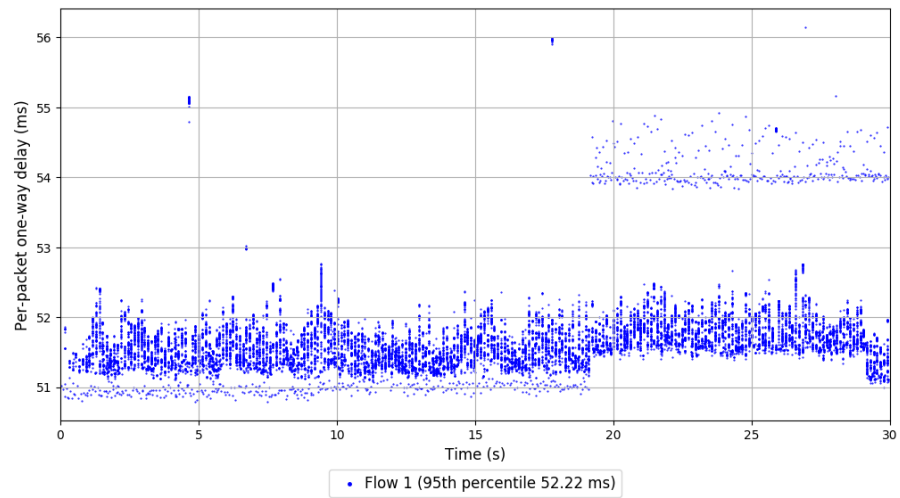
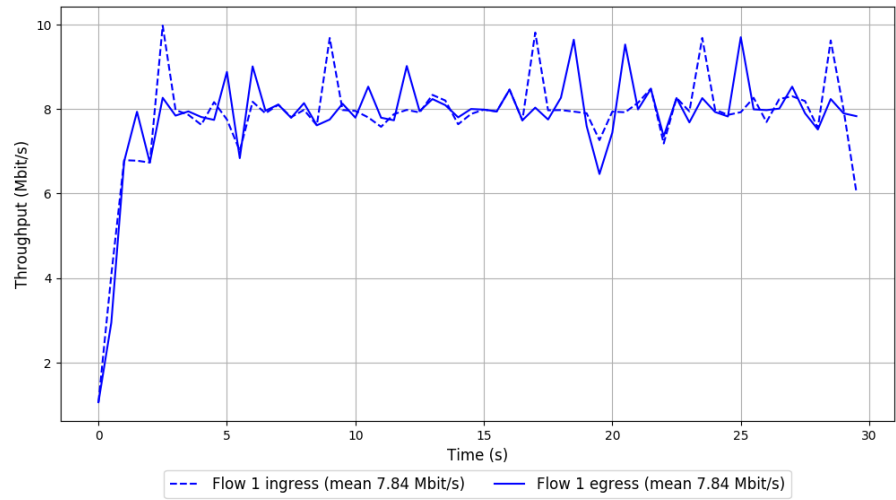
-- Flow 1:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 52.220 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-03-06 05:51:20

End at: 2018-03-06 05:51:50

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 51.638 ms

Loss rate: 0.00%

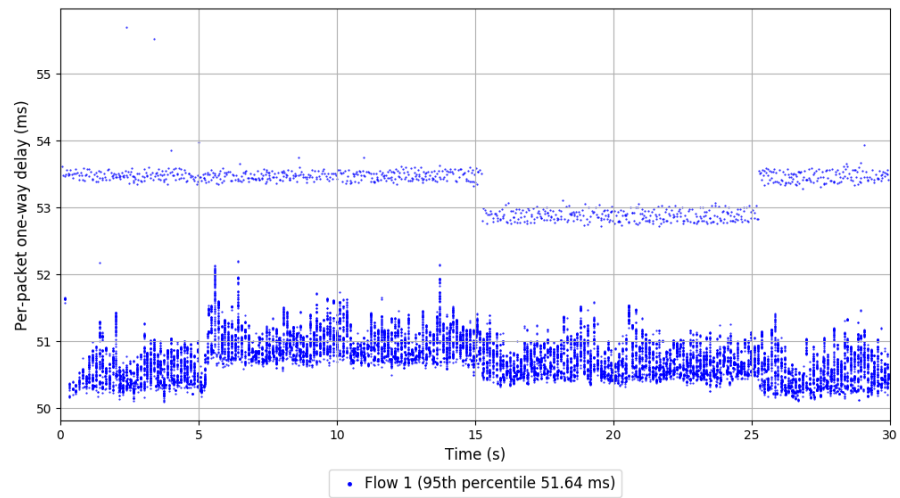
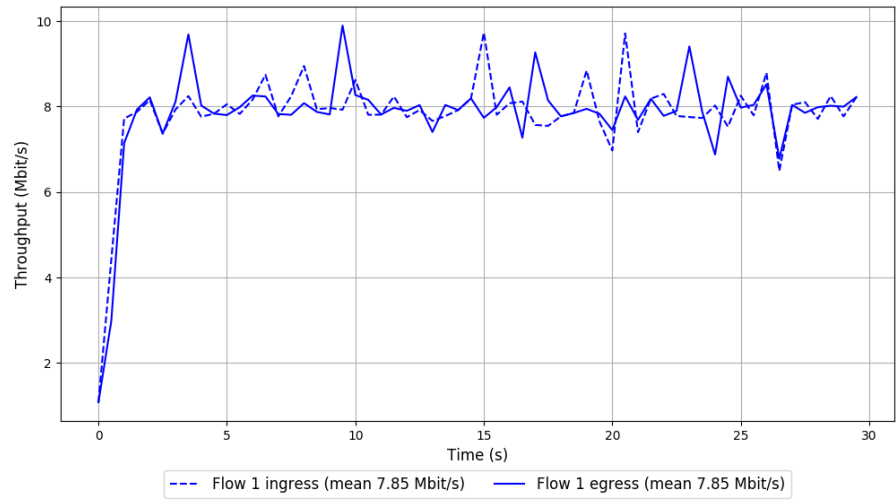
-- Flow 1:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 51.638 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-06 06:05:40

End at: 2018-03-06 06:06:10

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 50.869 ms

Loss rate: 0.00%

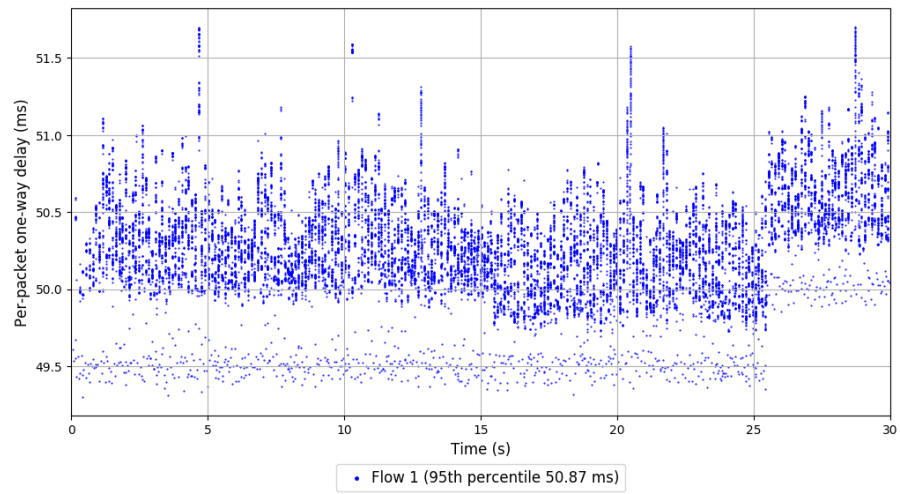
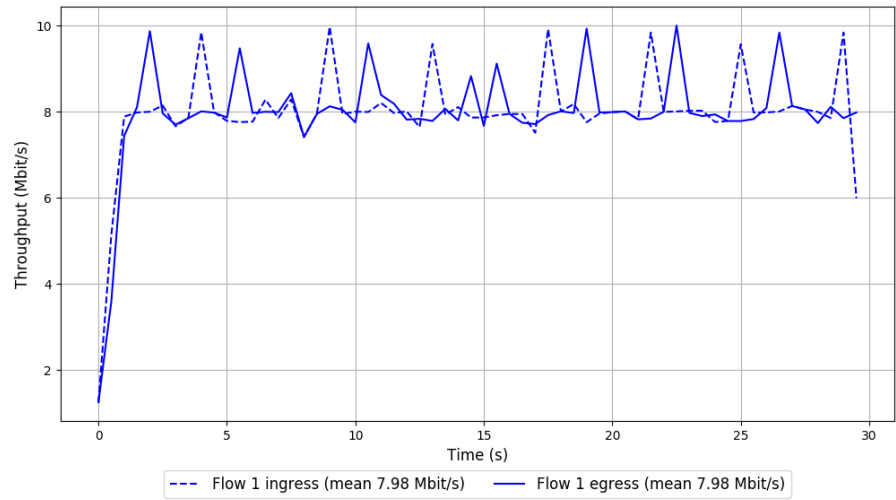
-- Flow 1:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 50.869 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

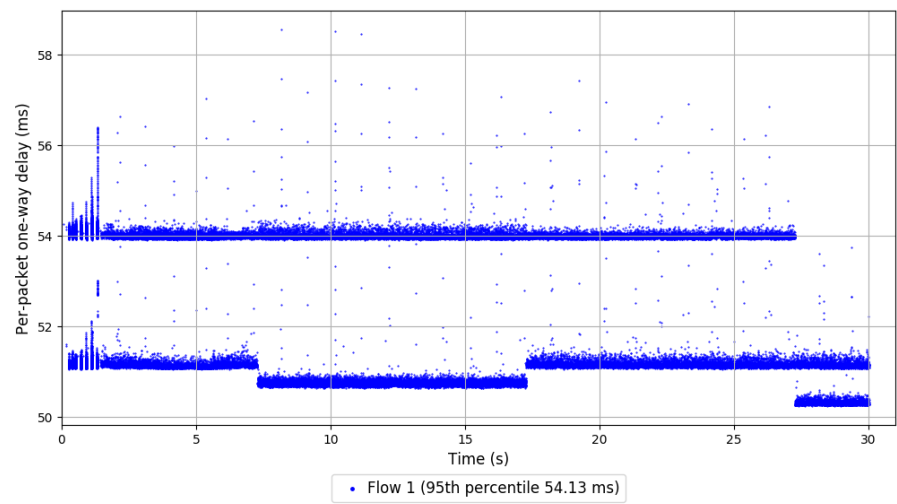
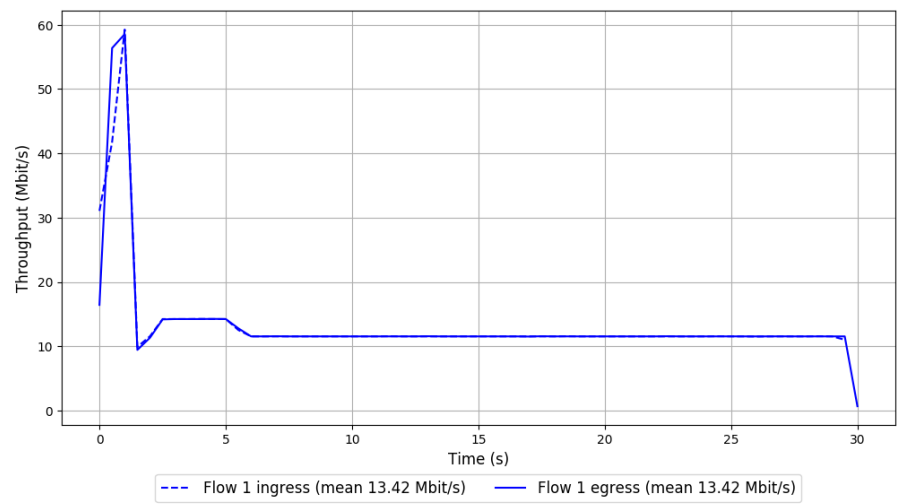


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-06 03:49:08
End at: 2018-03-06 03:49:38

# Below is generated by plot.py at 2018-03-06 08:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 54.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 54.127 ms
Loss rate: 0.00%
```

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

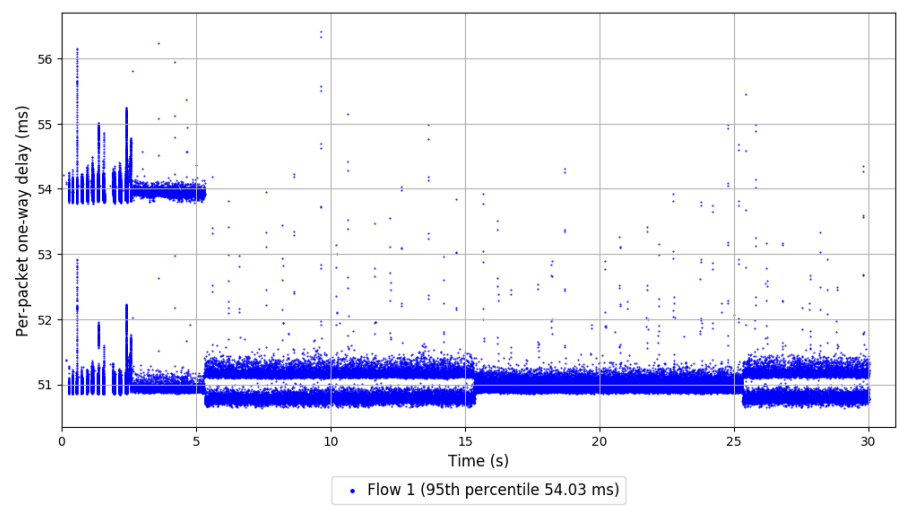
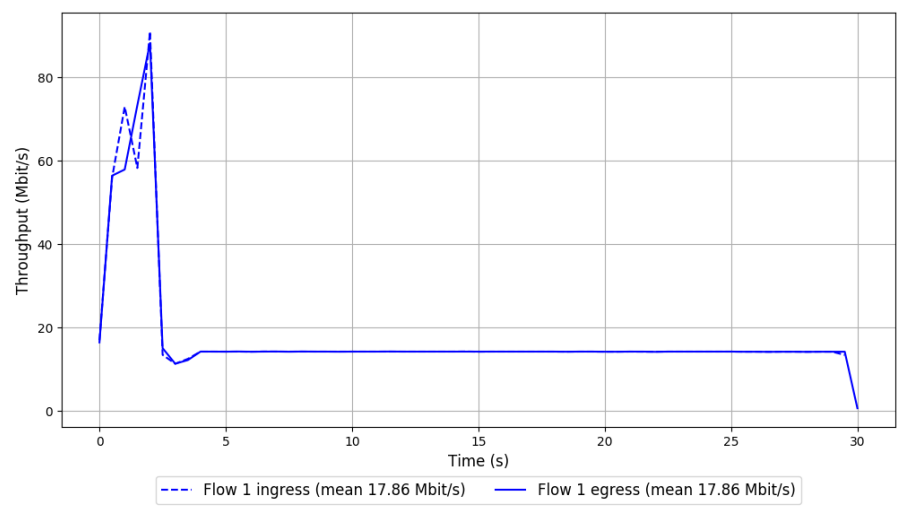


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-03-06 04:03:30
End at: 2018-03-06 04:04:00

# Below is generated by plot.py at 2018-03-06 08:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 54.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 54.027 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-06 04:17:55

End at: 2018-03-06 04:18:25

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.07 Mbit/s

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

Loss rate: 0.00%

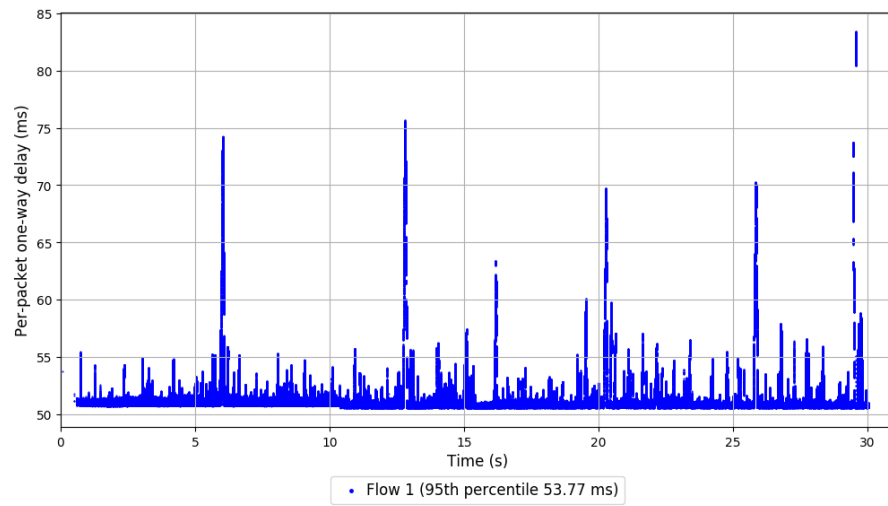
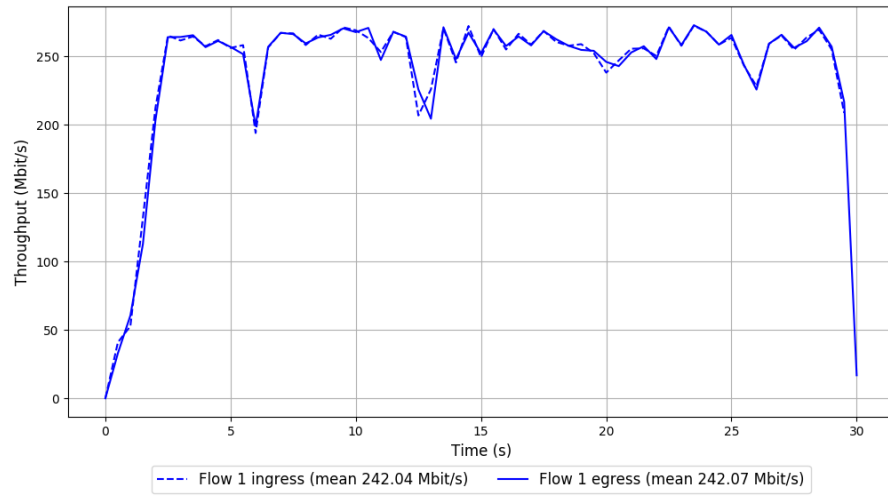
-- Flow 1:

Average throughput: 242.07 Mbit/s

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

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-03-06 04:32:29

End at: 2018-03-06 04:32:59

Below is generated by plot.py at 2018-03-06 08:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.68 Mbit/s

95th percentile per-packet one-way delay: 53.584 ms

Loss rate: 0.00%

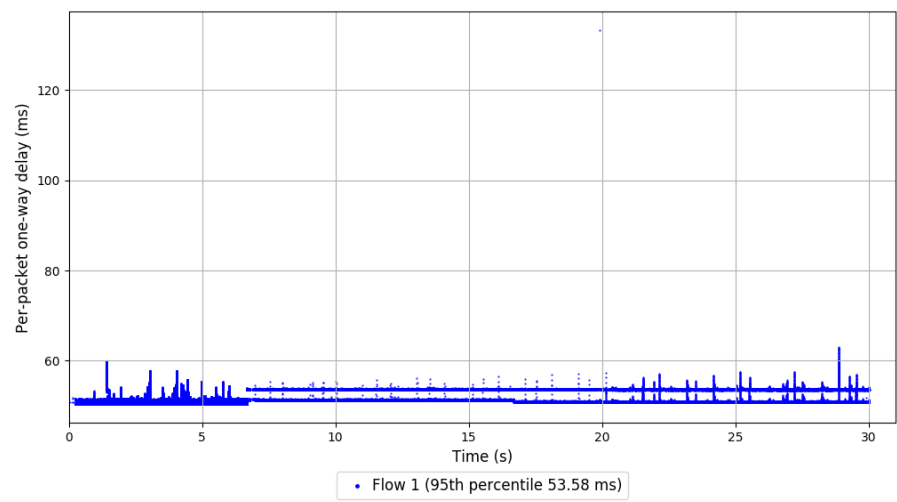
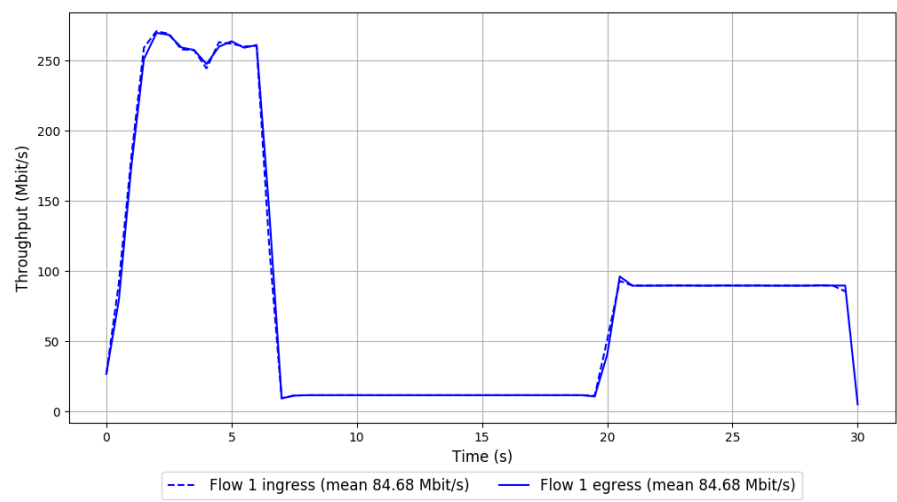
-- Flow 1:

Average throughput: 84.68 Mbit/s

95th percentile per-packet one-way delay: 53.584 ms

Loss rate: 0.00%

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

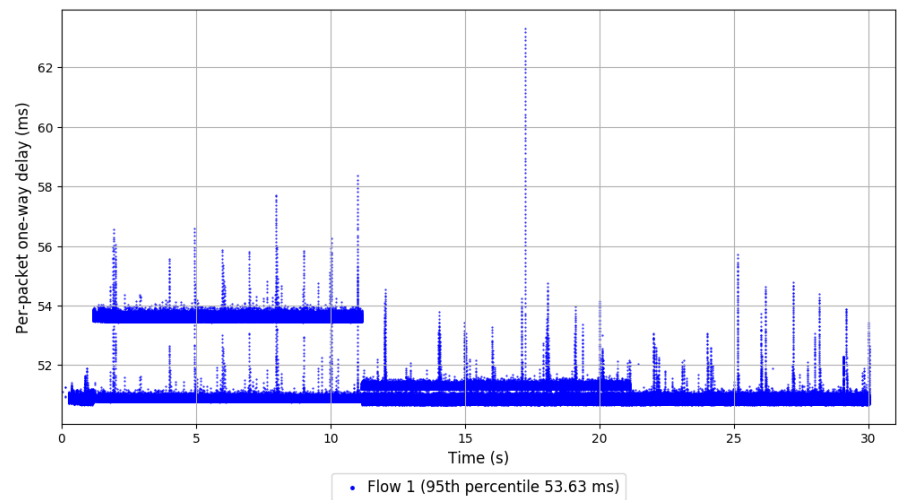
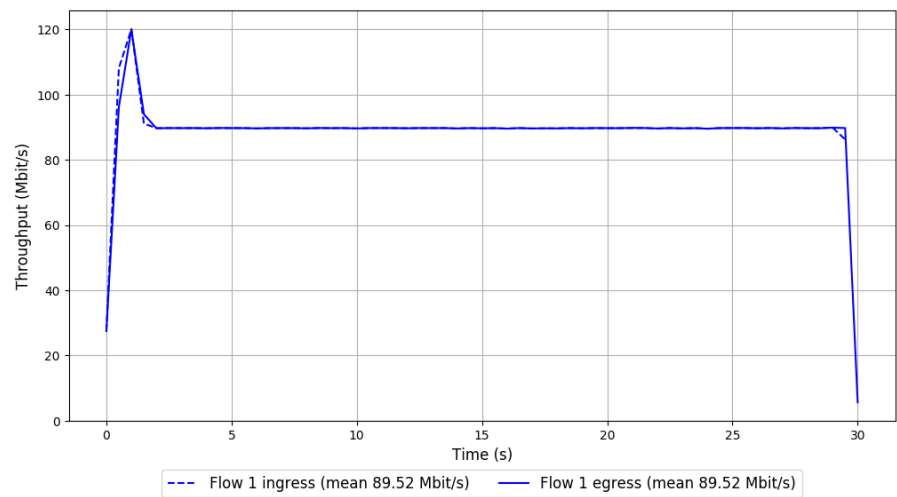


```
Run 5: Statistics of TaoVA-100x

Start at: 2018-03-06 04:46:55
End at: 2018-03-06 04:47:25

# Below is generated by plot.py at 2018-03-06 08:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 53.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 53.629 ms
Loss rate: 0.00%
```

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-06 05:01:16

End at: 2018-03-06 05:01:46

Below is generated by plot.py at 2018-03-06 08:14:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.60 Mbit/s

95th percentile per-packet one-way delay: 53.426 ms

Loss rate: 0.00%

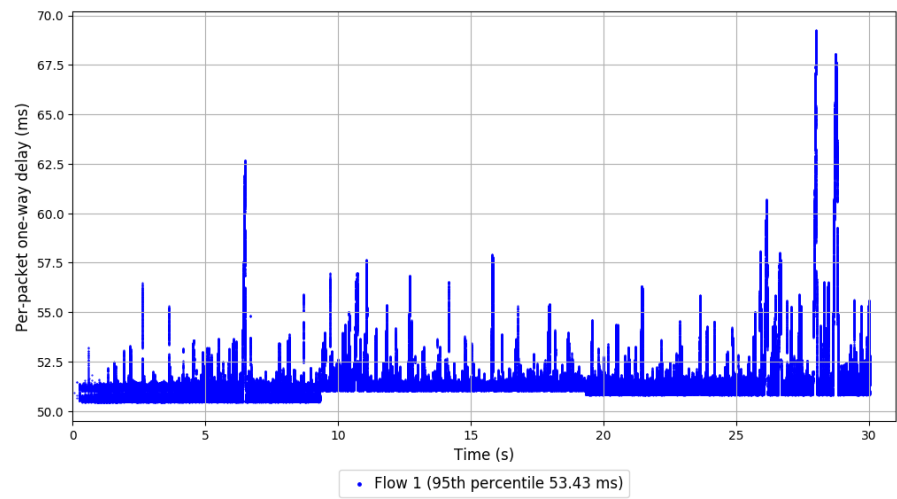
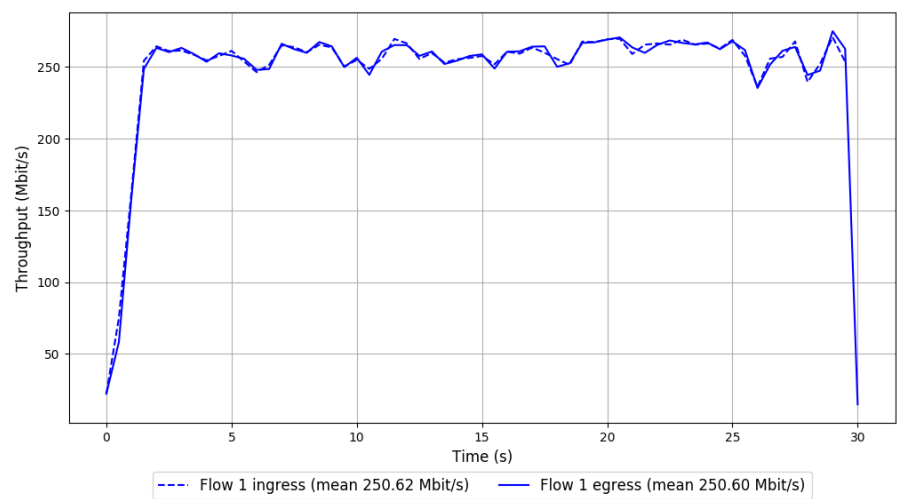
-- Flow 1:

Average throughput: 250.60 Mbit/s

95th percentile per-packet one-way delay: 53.426 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-06 05:15:43

End at: 2018-03-06 05:16:13

Below is generated by plot.py at 2018-03-06 08:14:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.59 Mbit/s

95th percentile per-packet one-way delay: 51.980 ms

Loss rate: 0.00%

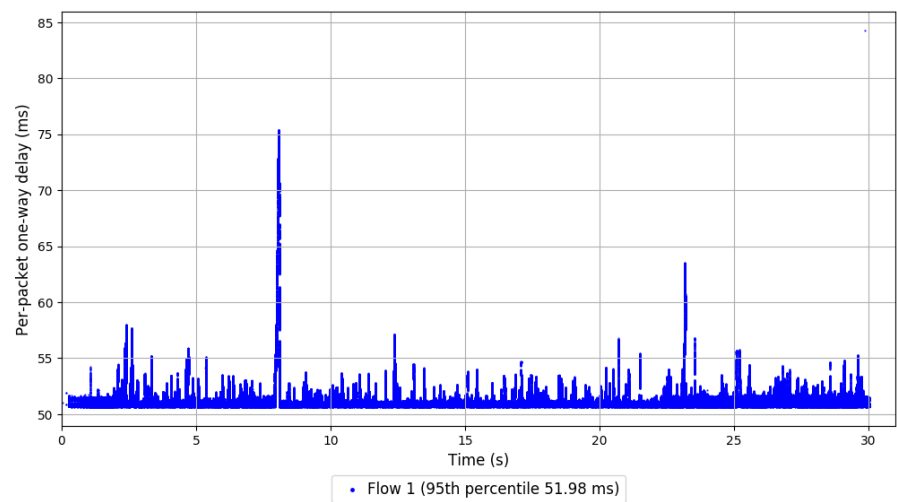
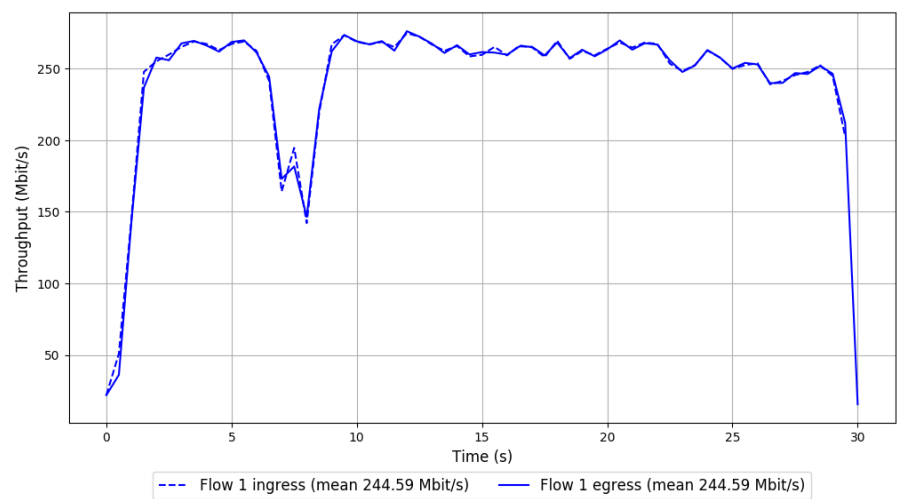
-- Flow 1:

Average throughput: 244.59 Mbit/s

95th percentile per-packet one-way delay: 51.980 ms

Loss rate: 0.00%

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

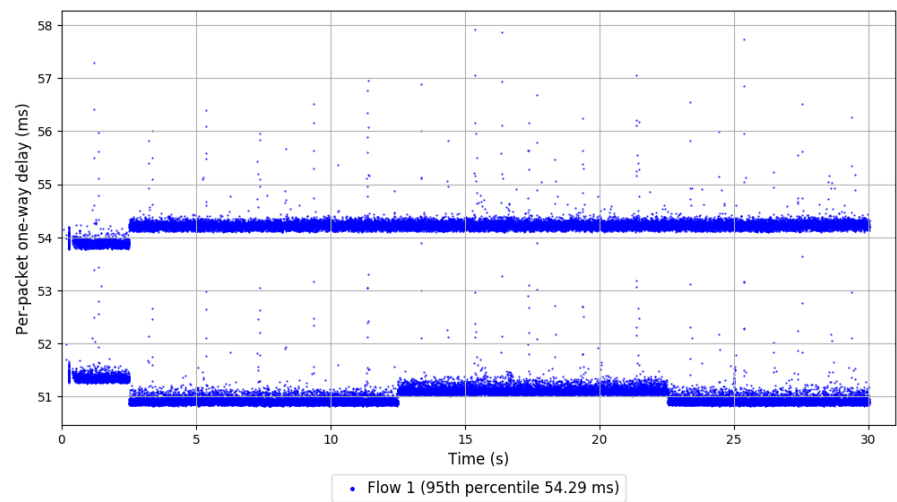
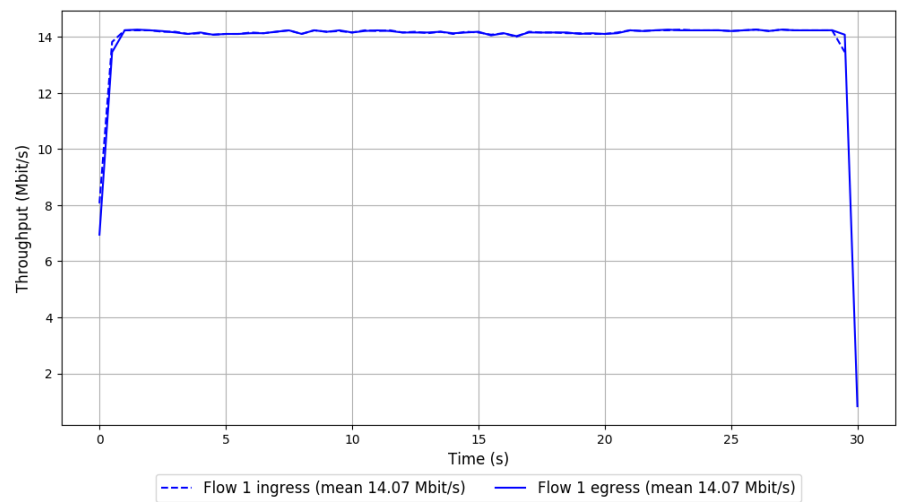


```
Run 8: Statistics of TaoVA-100x

Start at: 2018-03-06 05:30:23
End at: 2018-03-06 05:30:53

# Below is generated by plot.py at 2018-03-06 08:14:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.07 Mbit/s
95th percentile per-packet one-way delay: 54.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.07 Mbit/s
95th percentile per-packet one-way delay: 54.290 ms
Loss rate: 0.00%
```

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-06 05:44:34

End at: 2018-03-06 05:45:04

Below is generated by plot.py at 2018-03-06 08:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.63 Mbit/s

95th percentile per-packet one-way delay: 51.583 ms

Loss rate: 0.00%

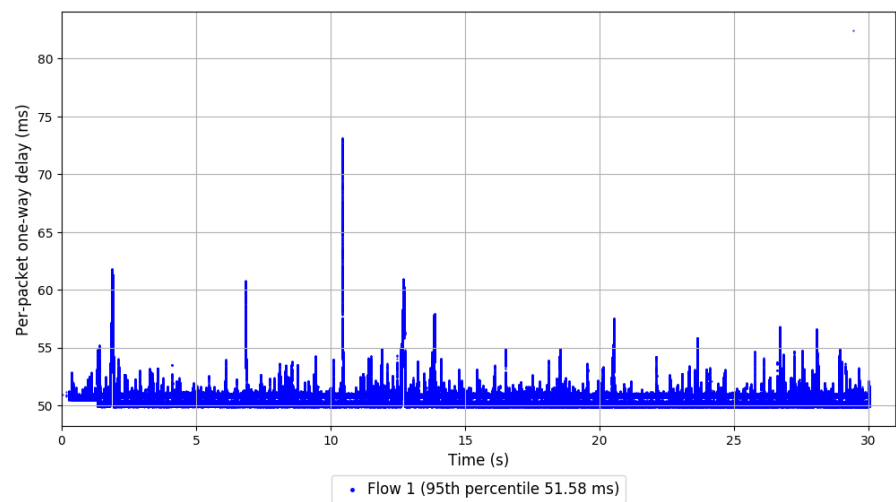
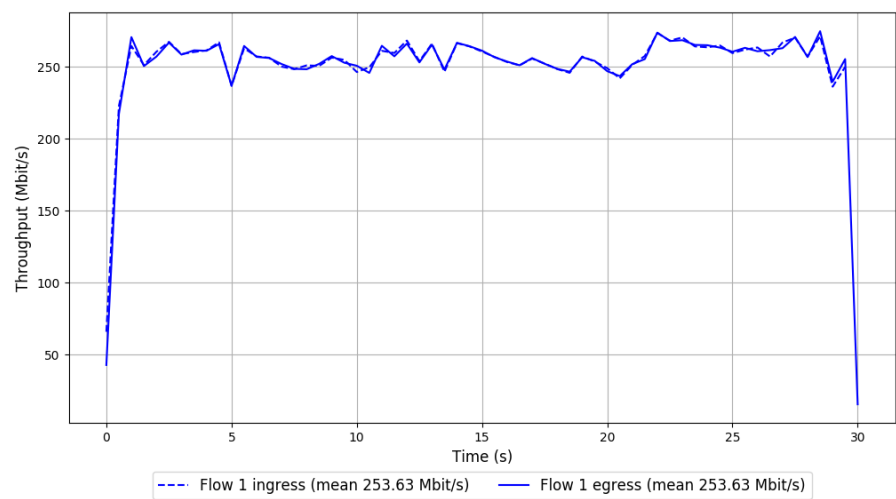
-- Flow 1:

Average throughput: 253.63 Mbit/s

95th percentile per-packet one-way delay: 51.583 ms

Loss rate: 0.00%

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

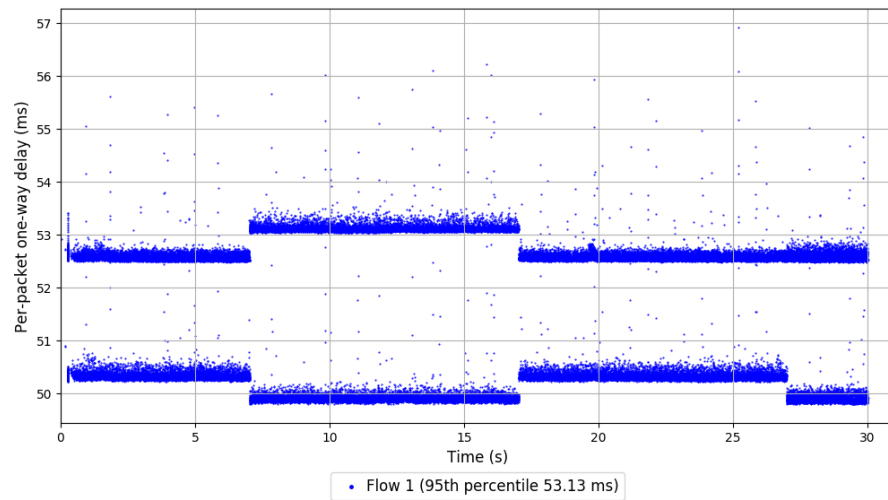
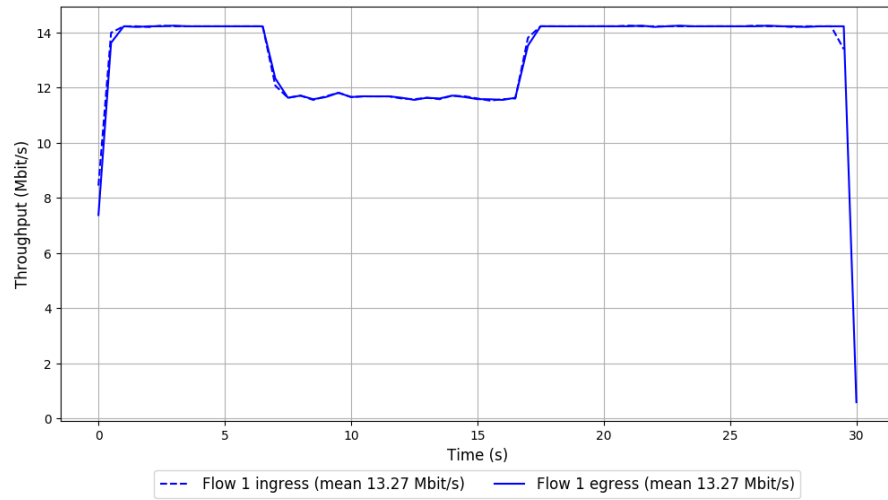


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-03-06 05:59:09
End at: 2018-03-06 05:59:39

# Below is generated by plot.py at 2018-03-06 08:15:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 53.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 53.134 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-03-06 03:49:47

End at: 2018-03-06 03:50:17

Below is generated by plot.py at 2018-03-06 08:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.22 Mbit/s

95th percentile per-packet one-way delay: 52.329 ms

Loss rate: 0.00%

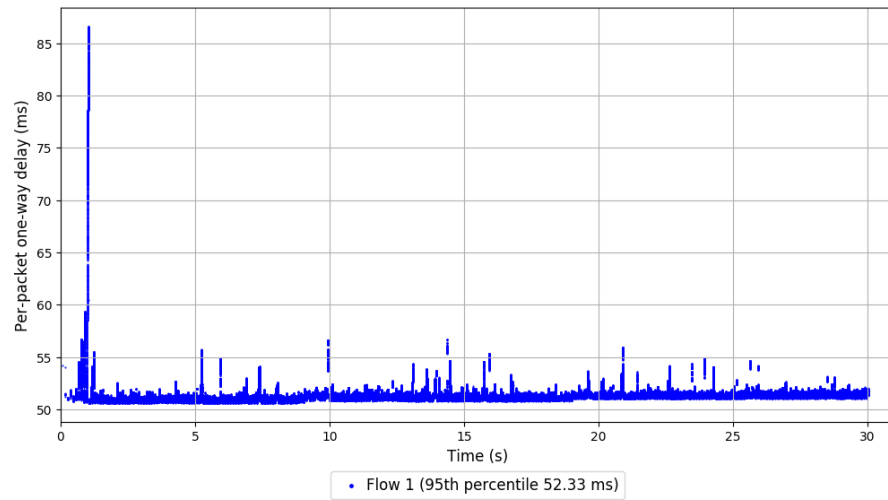
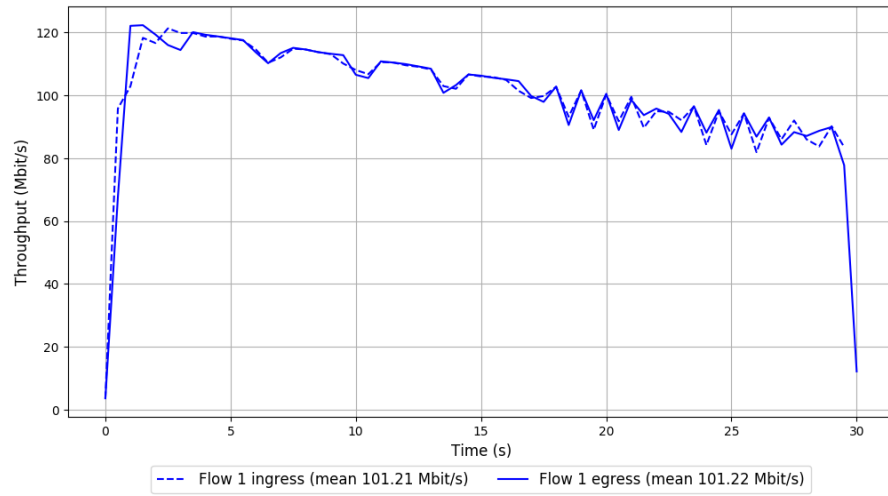
-- Flow 1:

Average throughput: 101.22 Mbit/s

95th percentile per-packet one-way delay: 52.329 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-03-06 04:04:09

End at: 2018-03-06 04:04:39

Below is generated by plot.py at 2018-03-06 08:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.62 Mbit/s

95th percentile per-packet one-way delay: 52.467 ms

Loss rate: 0.00%

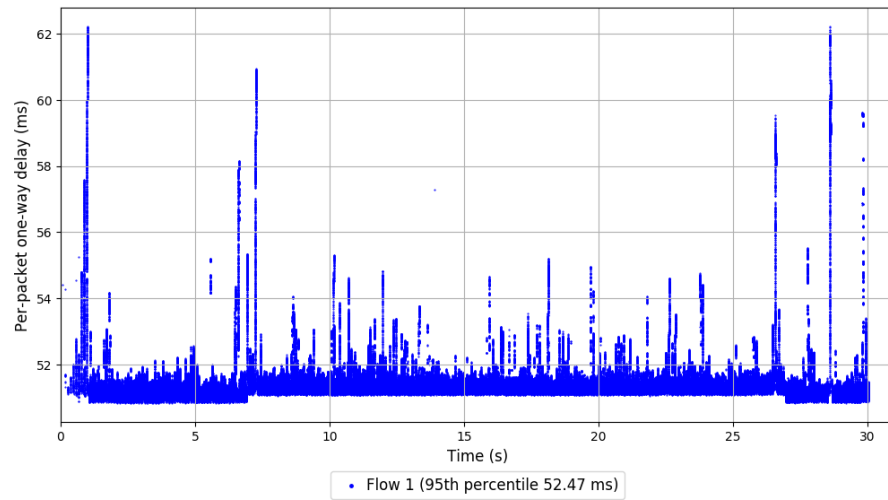
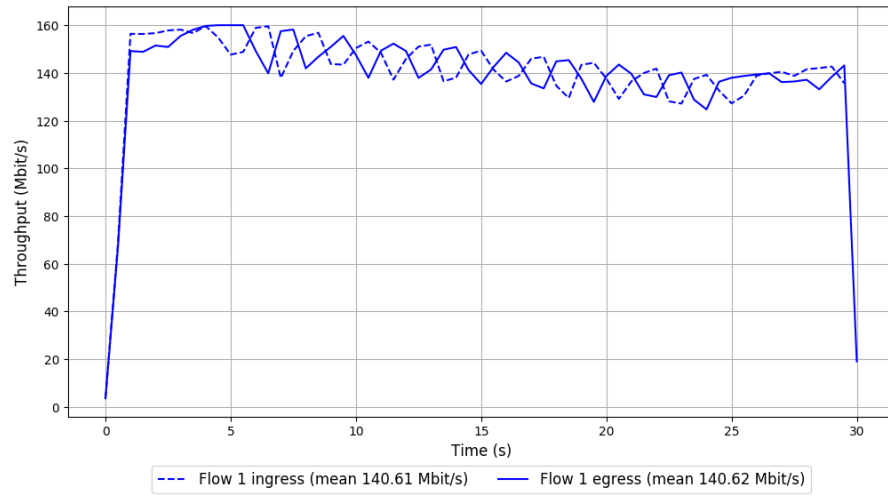
-- Flow 1:

Average throughput: 140.62 Mbit/s

95th percentile per-packet one-way delay: 52.467 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-03-06 04:18:52

End at: 2018-03-06 04:19:22

Below is generated by plot.py at 2018-03-06 08:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.68 Mbit/s

95th percentile per-packet one-way delay: 58.354 ms

Loss rate: 0.00%

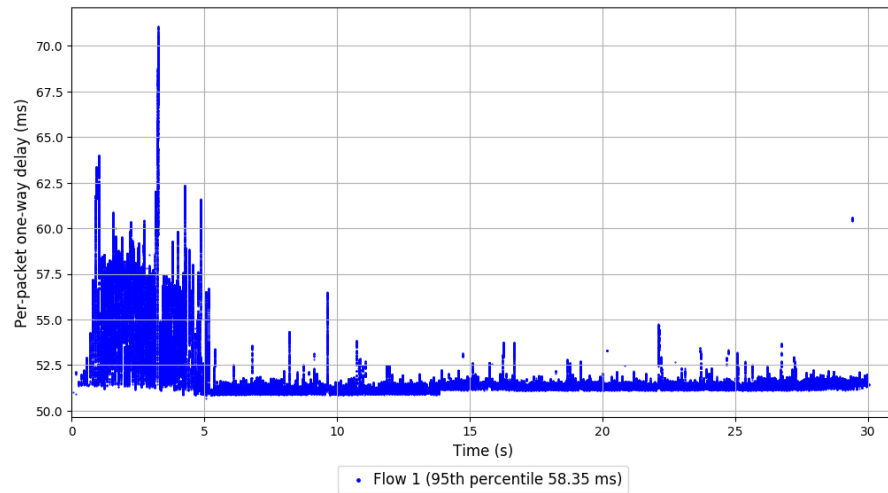
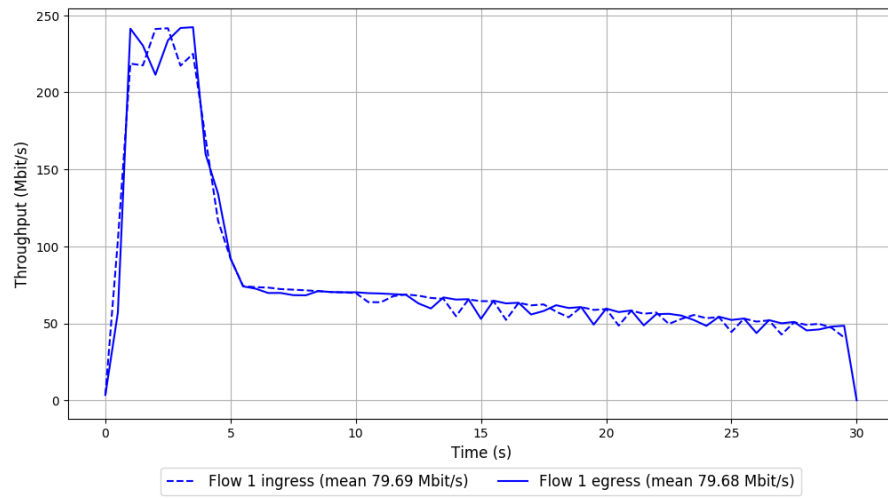
-- Flow 1:

Average throughput: 79.68 Mbit/s

95th percentile per-packet one-way delay: 58.354 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-06 04:33:13

End at: 2018-03-06 04:33:43

Below is generated by plot.py at 2018-03-06 08:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.13 Mbit/s

95th percentile per-packet one-way delay: 58.434 ms

Loss rate: 0.00%

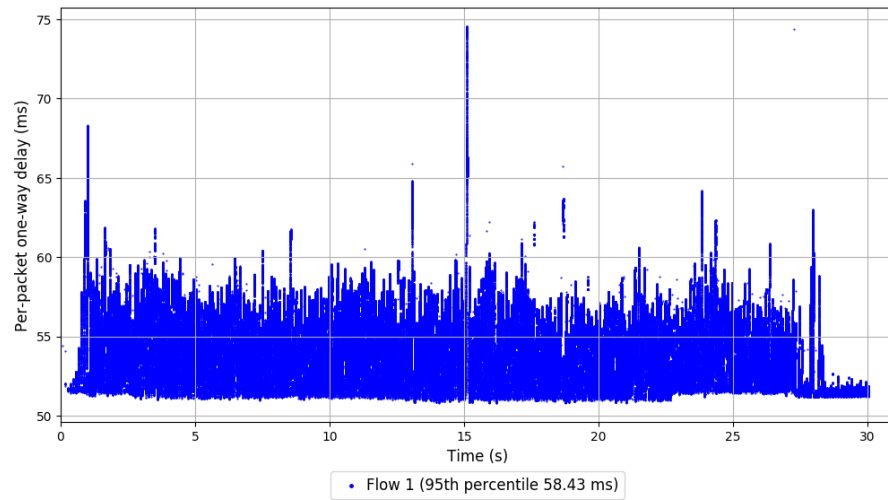
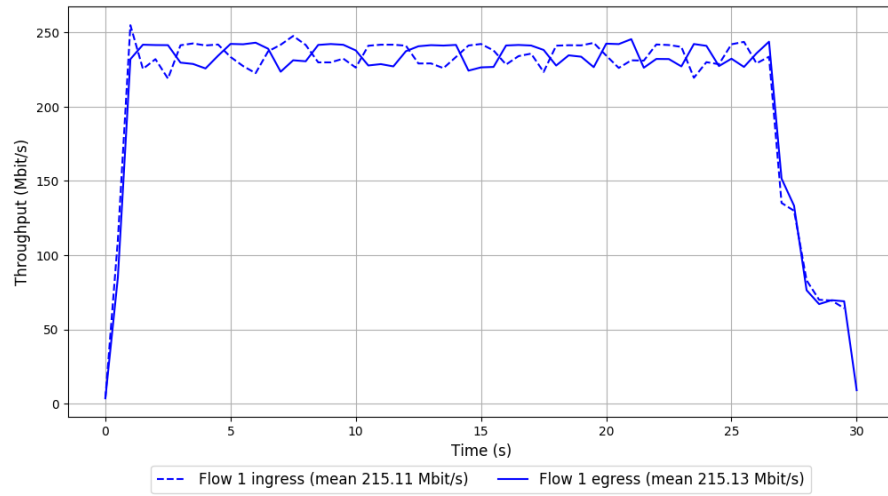
-- Flow 1:

Average throughput: 215.13 Mbit/s

95th percentile per-packet one-way delay: 58.434 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-06 04:47:39

End at: 2018-03-06 04:48:09

Below is generated by plot.py at 2018-03-06 08:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 52.446 ms

Loss rate: 0.01%

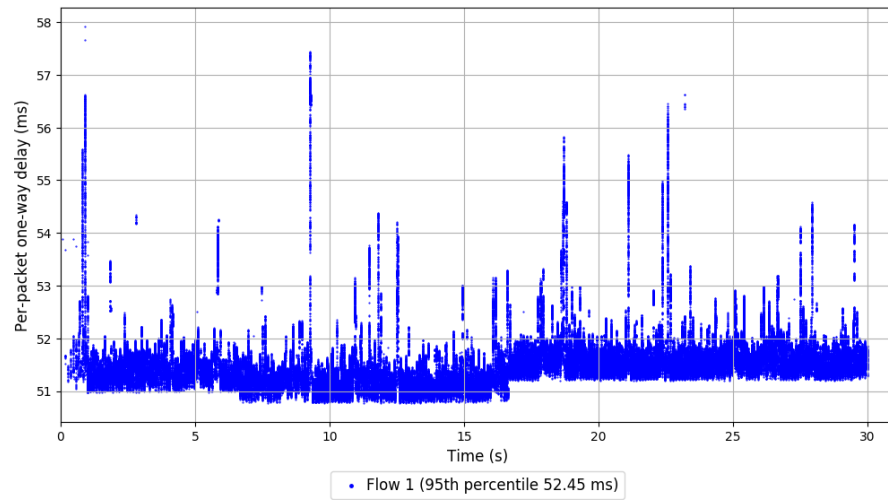
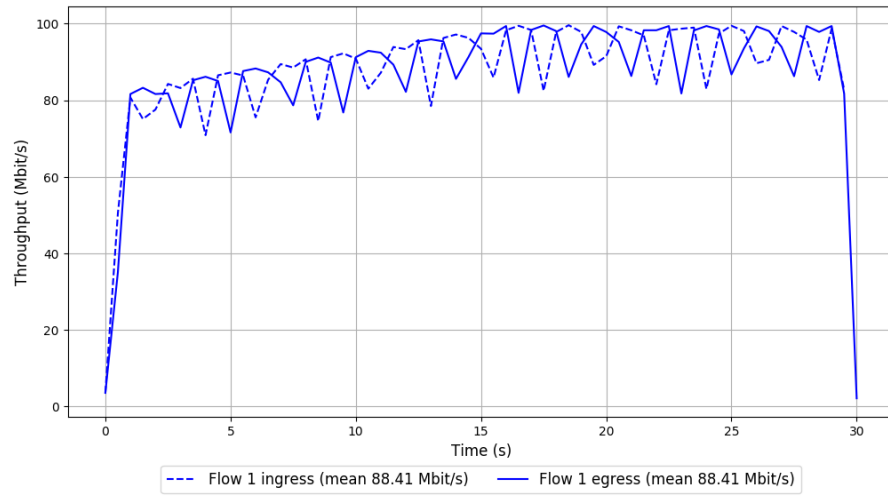
-- Flow 1:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 52.446 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-06 05:02:14

End at: 2018-03-06 05:02:44

Below is generated by plot.py at 2018-03-06 08:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.87 Mbit/s

95th percentile per-packet one-way delay: 53.026 ms

Loss rate: 0.00%

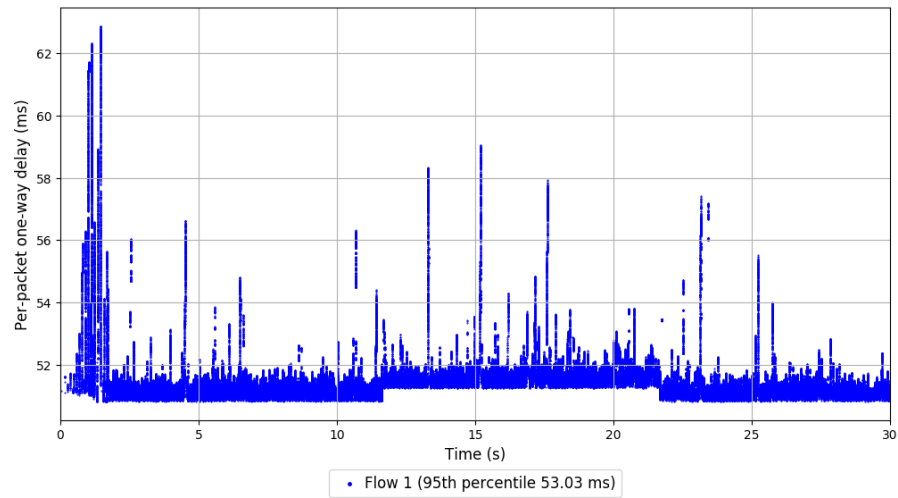
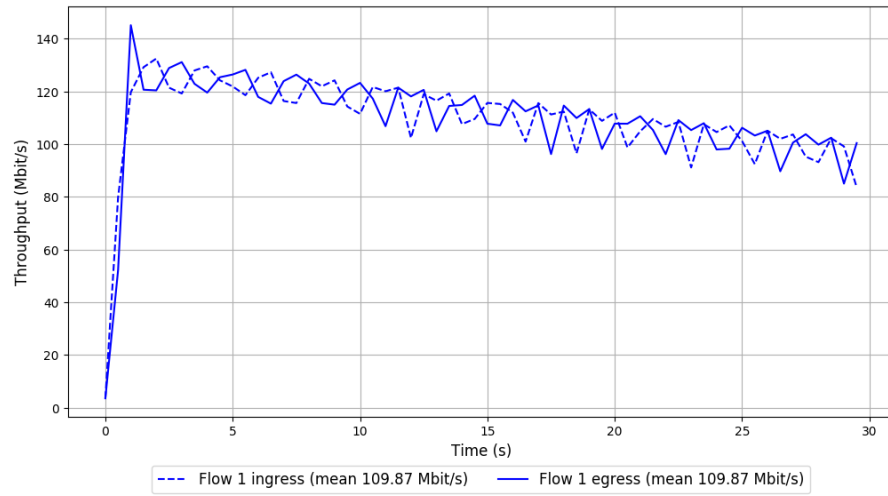
-- Flow 1:

Average throughput: 109.87 Mbit/s

95th percentile per-packet one-way delay: 53.026 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-06 05:16:41

End at: 2018-03-06 05:17:11

Below is generated by plot.py at 2018-03-06 08:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.28 Mbit/s

95th percentile per-packet one-way delay: 60.075 ms

Loss rate: 0.05%

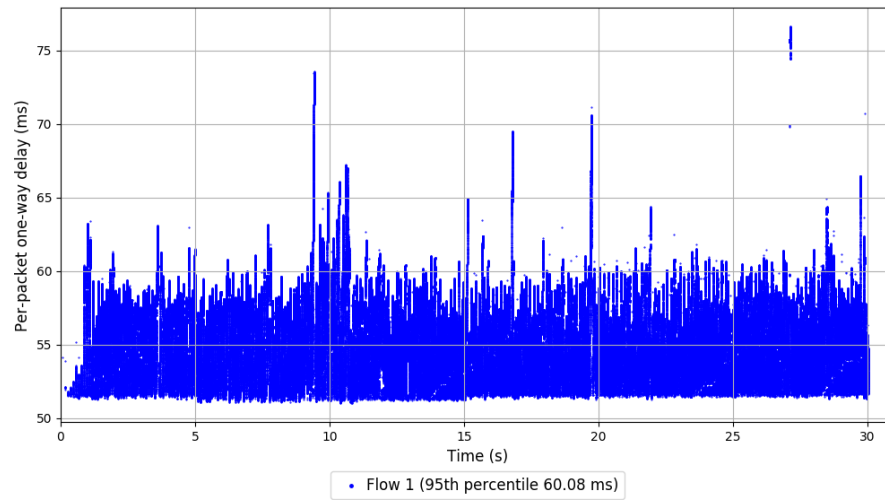
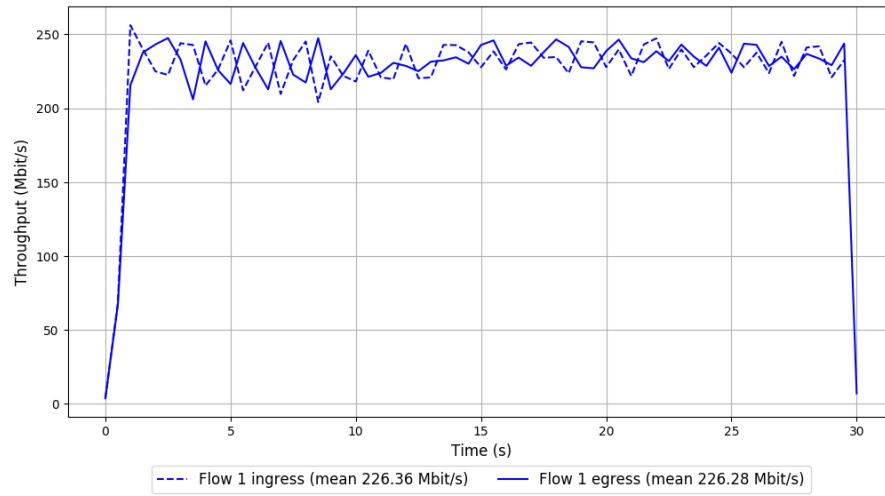
-- Flow 1:

Average throughput: 226.28 Mbit/s

95th percentile per-packet one-way delay: 60.075 ms

Loss rate: 0.05%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-03-06 05:31:01

End at: 2018-03-06 05:31:31

Below is generated by plot.py at 2018-03-06 08:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 53.380 ms

Loss rate: 0.00%

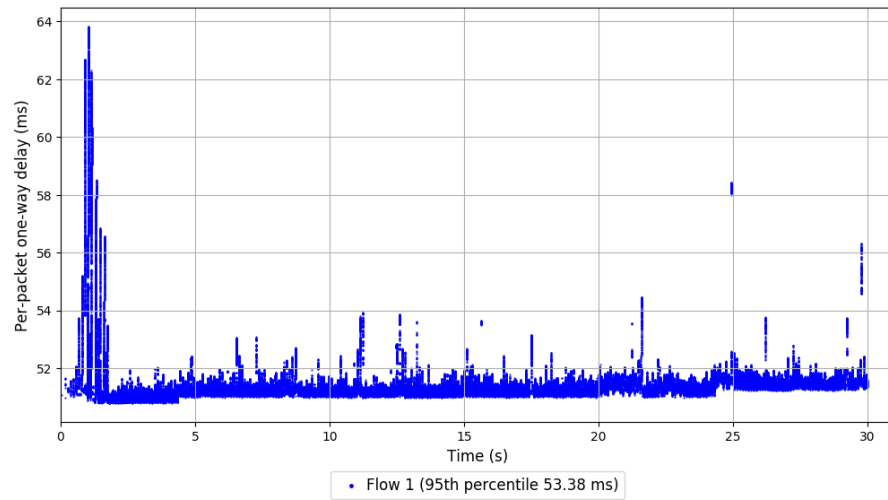
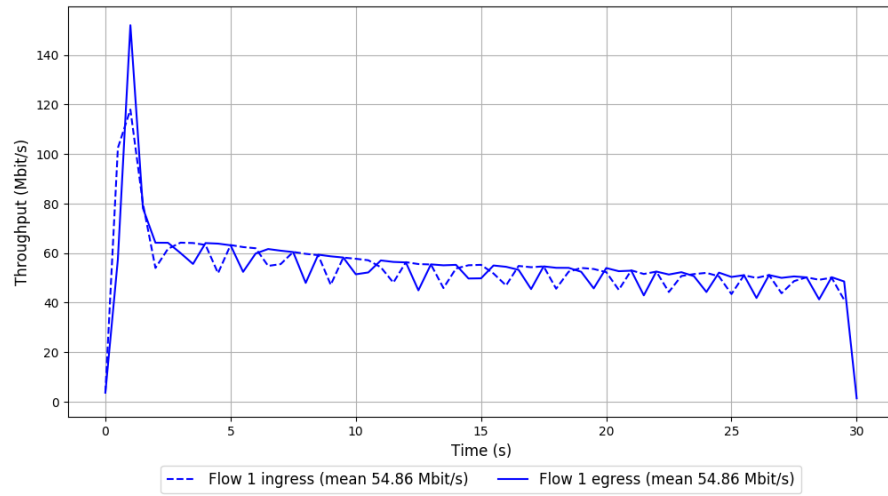
-- Flow 1:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 53.380 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-03-06 05:45:32

End at: 2018-03-06 05:46:02

Below is generated by plot.py at 2018-03-06 08:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.33 Mbit/s

95th percentile per-packet one-way delay: 58.874 ms

Loss rate: 0.00%

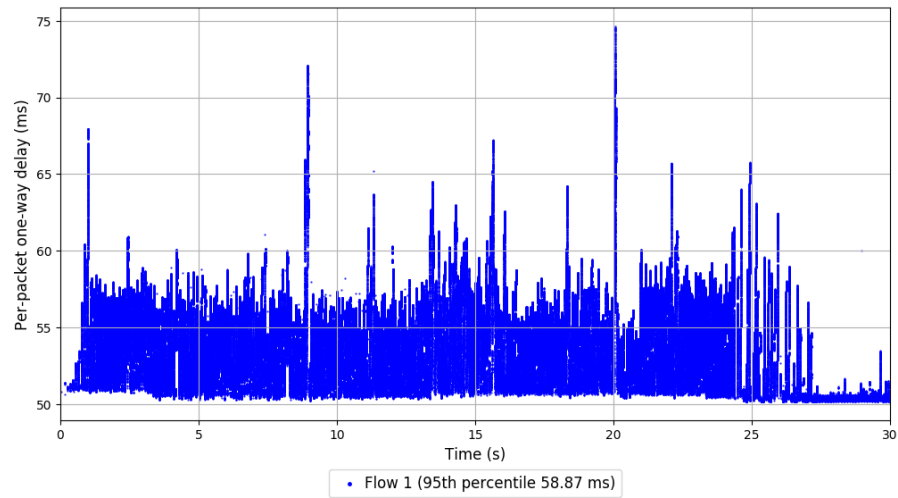
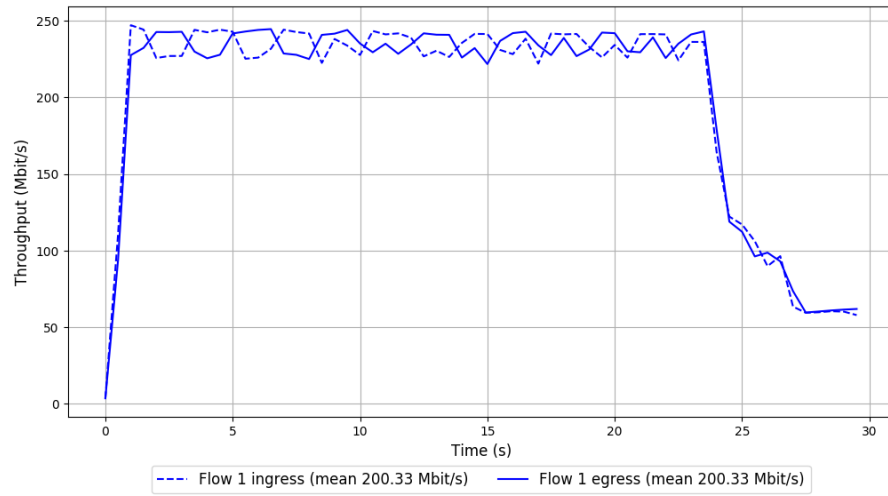
-- Flow 1:

Average throughput: 200.33 Mbit/s

95th percentile per-packet one-way delay: 58.874 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-06 05:59:47

End at: 2018-03-06 06:00:17

Below is generated by plot.py at 2018-03-06 08:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.96 Mbit/s

95th percentile per-packet one-way delay: 58.437 ms

Loss rate: 0.06%

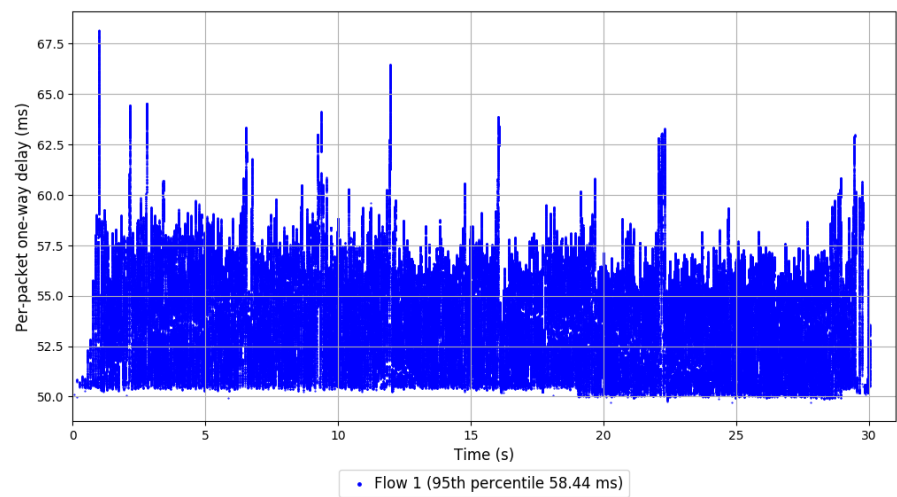
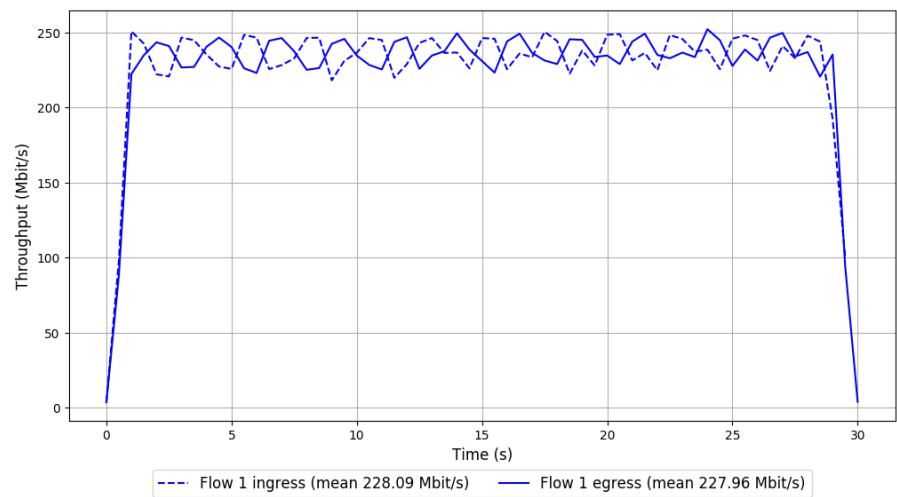
-- Flow 1:

Average throughput: 227.96 Mbit/s

95th percentile per-packet one-way delay: 58.437 ms

Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-03-06 03:53:18

End at: 2018-03-06 03:53:48

Below is generated by plot.py at 2018-03-06 08:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.85 Mbit/s

95th percentile per-packet one-way delay: 115.061 ms

Loss rate: 0.68%

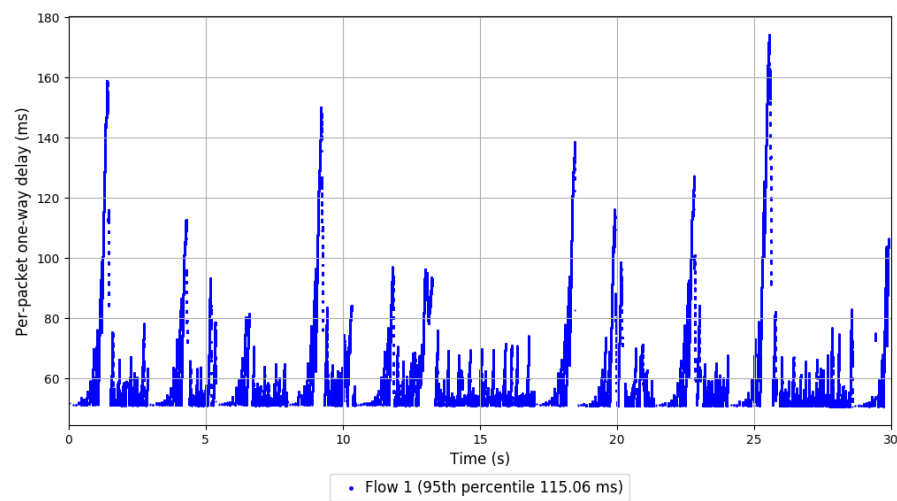
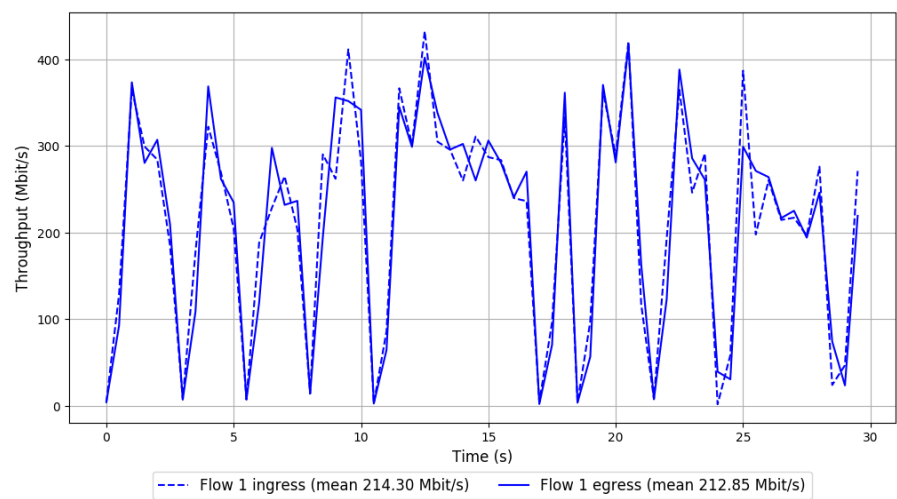
-- Flow 1:

Average throughput: 212.85 Mbit/s

95th percentile per-packet one-way delay: 115.061 ms

Loss rate: 0.68%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-06 04:07:40

End at: 2018-03-06 04:08:10

Below is generated by plot.py at 2018-03-06 08:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.78 Mbit/s

95th percentile per-packet one-way delay: 89.604 ms

Loss rate: 1.49%

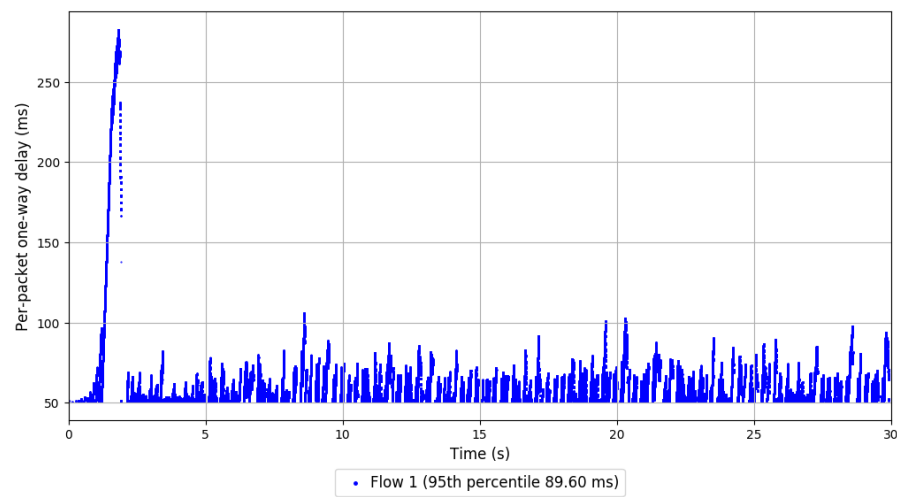
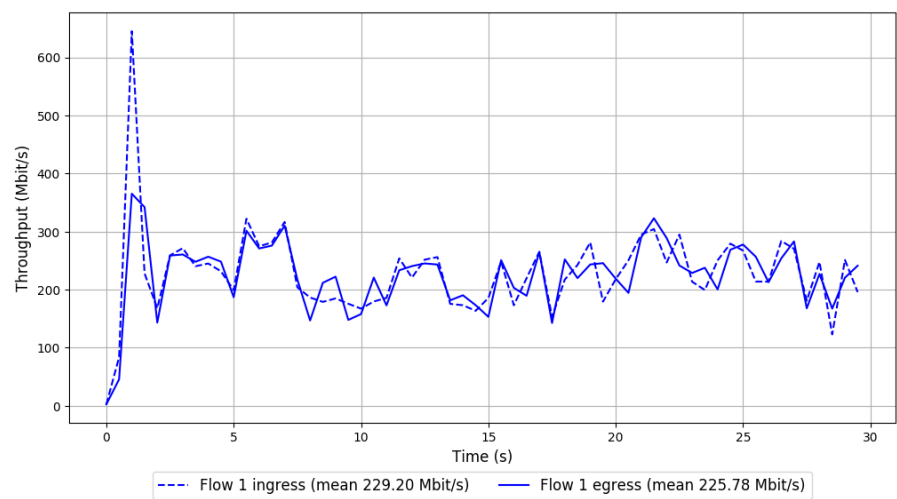
-- Flow 1:

Average throughput: 225.78 Mbit/s

95th percentile per-packet one-way delay: 89.604 ms

Loss rate: 1.49%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-03-06 04:22:20

End at: 2018-03-06 04:22:50

Below is generated by plot.py at 2018-03-06 08:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.10 Mbit/s

95th percentile per-packet one-way delay: 112.028 ms

Loss rate: 0.31%

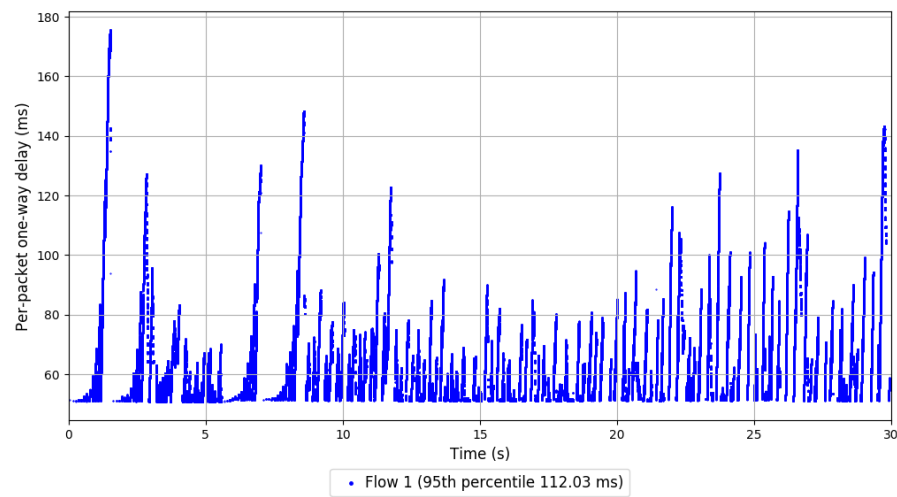
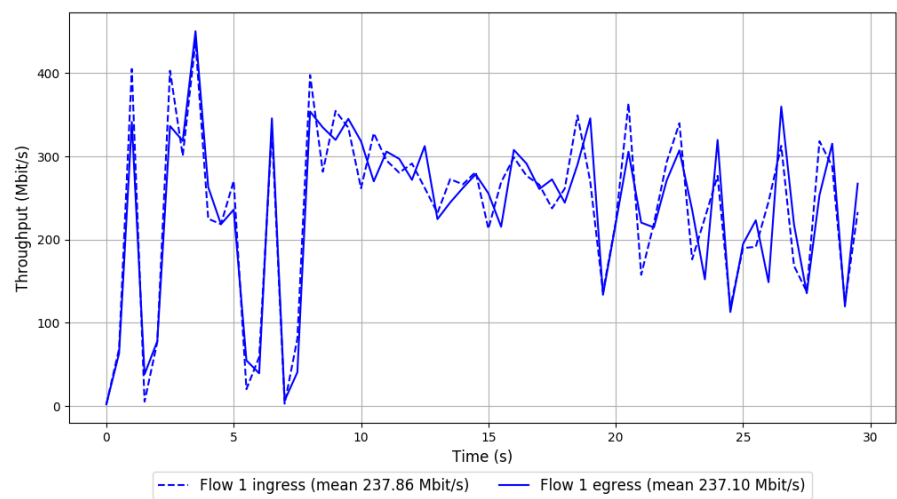
-- Flow 1:

Average throughput: 237.10 Mbit/s

95th percentile per-packet one-way delay: 112.028 ms

Loss rate: 0.31%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-06 04:36:48

End at: 2018-03-06 04:37:18

Below is generated by plot.py at 2018-03-06 08:19:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.99 Mbit/s

95th percentile per-packet one-way delay: 110.318 ms

Loss rate: 0.91%

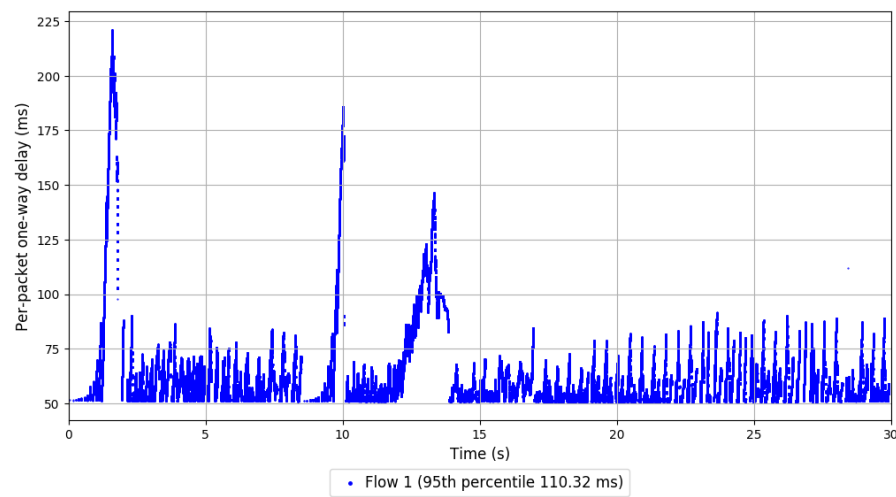
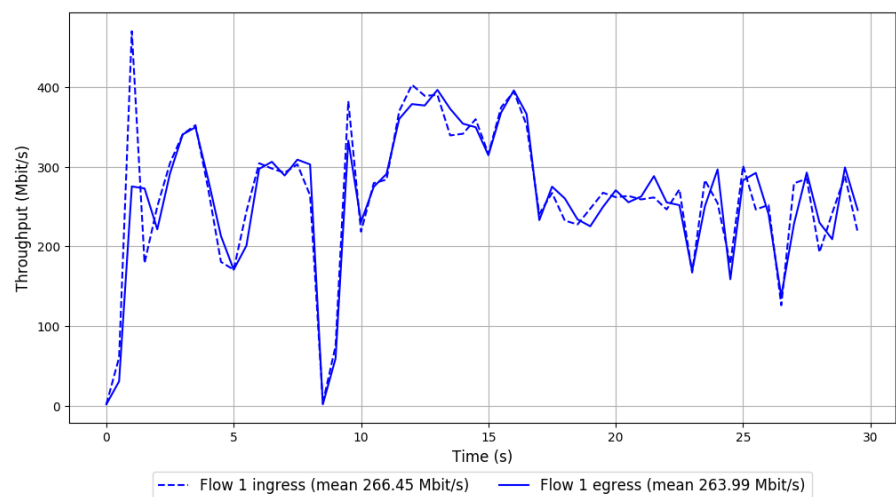
-- Flow 1:

Average throughput: 263.99 Mbit/s

95th percentile per-packet one-way delay: 110.318 ms

Loss rate: 0.91%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-03-06 04:51:06

End at: 2018-03-06 04:51:36

Below is generated by plot.py at 2018-03-06 08:19:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.23 Mbit/s

95th percentile per-packet one-way delay: 70.197 ms

Loss rate: 1.19%

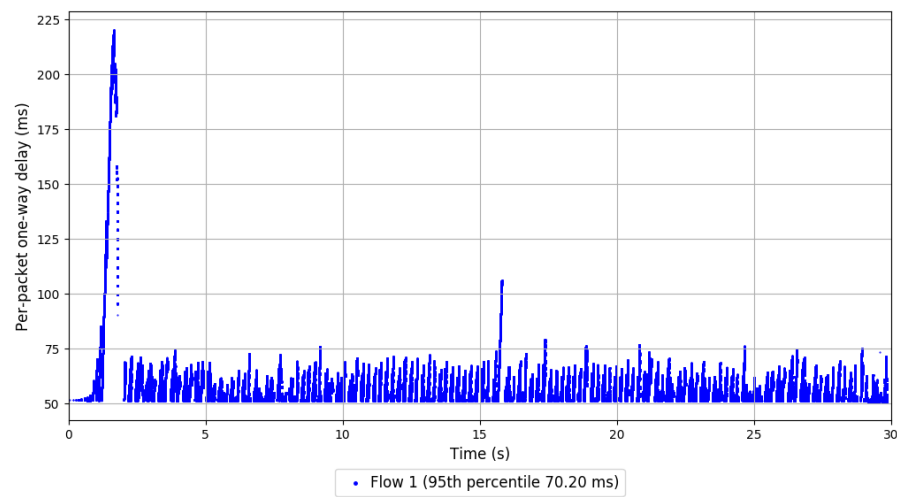
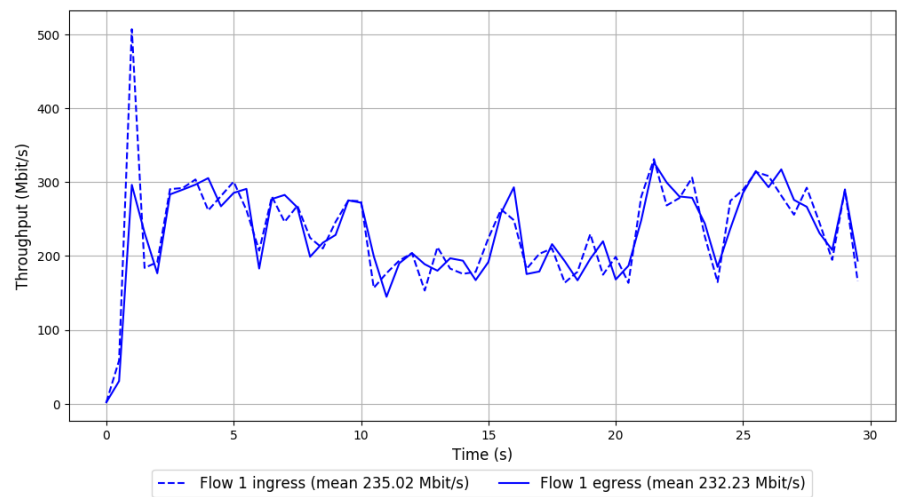
-- Flow 1:

Average throughput: 232.23 Mbit/s

95th percentile per-packet one-way delay: 70.197 ms

Loss rate: 1.19%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-03-06 05:05:45

End at: 2018-03-06 05:06:15

Below is generated by plot.py at 2018-03-06 08:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.73 Mbit/s

95th percentile per-packet one-way delay: 102.160 ms

Loss rate: 0.01%

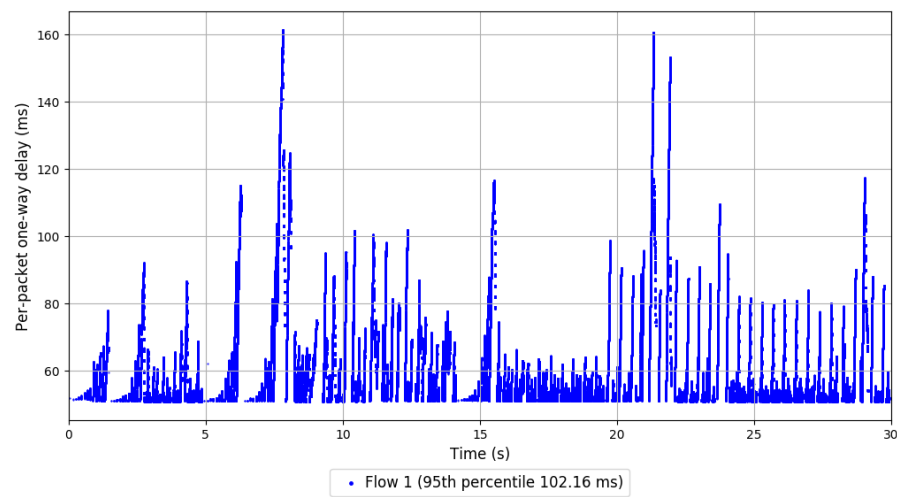
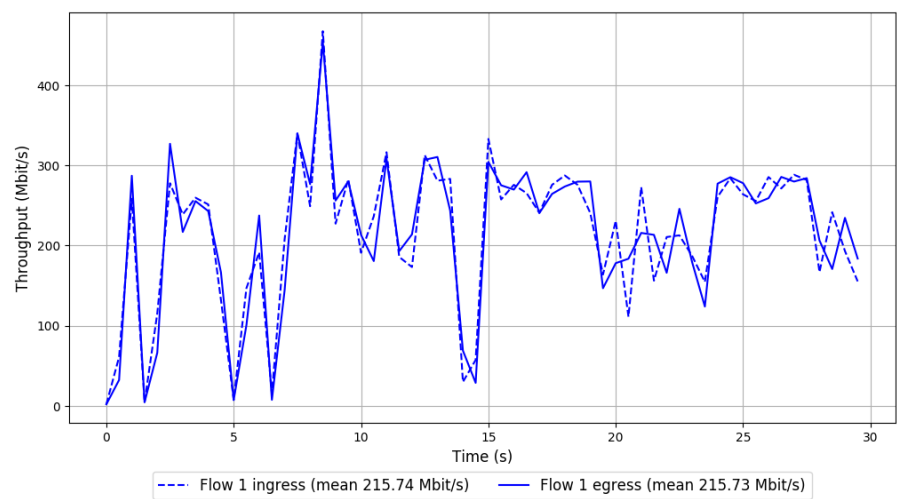
-- Flow 1:

Average throughput: 215.73 Mbit/s

95th percentile per-packet one-way delay: 102.160 ms

Loss rate: 0.01%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-03-06 05:20:14

End at: 2018-03-06 05:20:44

Below is generated by plot.py at 2018-03-06 08:21:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.69 Mbit/s

95th percentile per-packet one-way delay: 103.296 ms

Loss rate: 0.62%

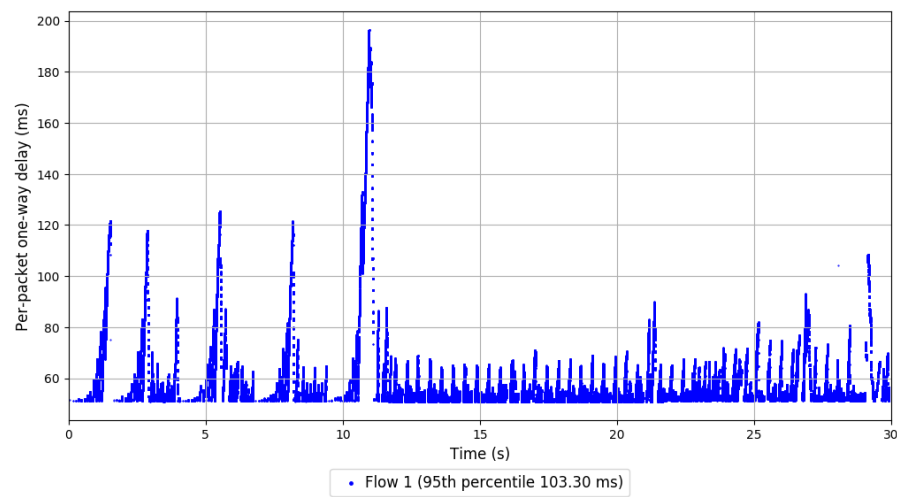
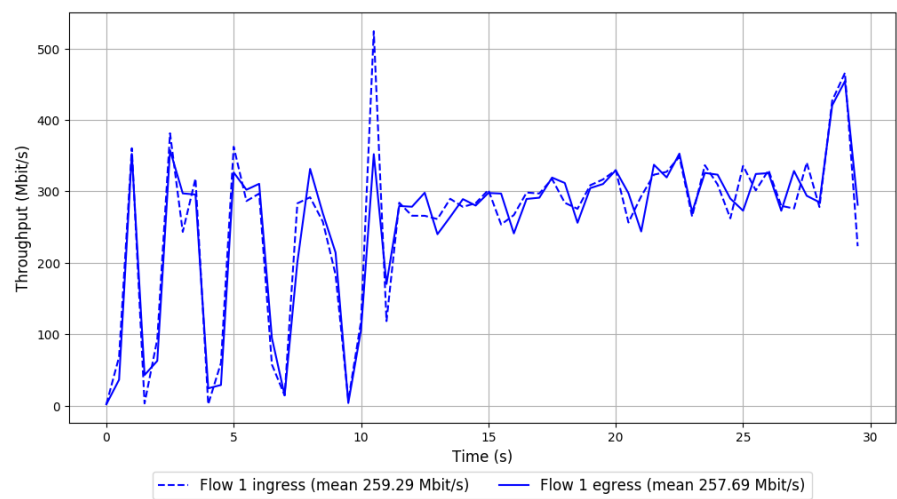
-- Flow 1:

Average throughput: 257.69 Mbit/s

95th percentile per-packet one-way delay: 103.296 ms

Loss rate: 0.62%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-03-06 05:34:28

End at: 2018-03-06 05:34:58

Below is generated by plot.py at 2018-03-06 08:22:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.80 Mbit/s

95th percentile per-packet one-way delay: 112.456 ms

Loss rate: 0.19%

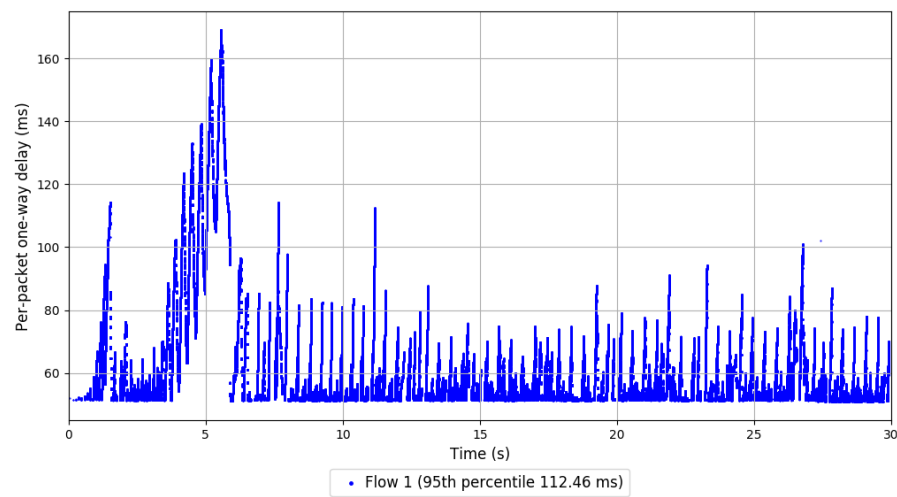
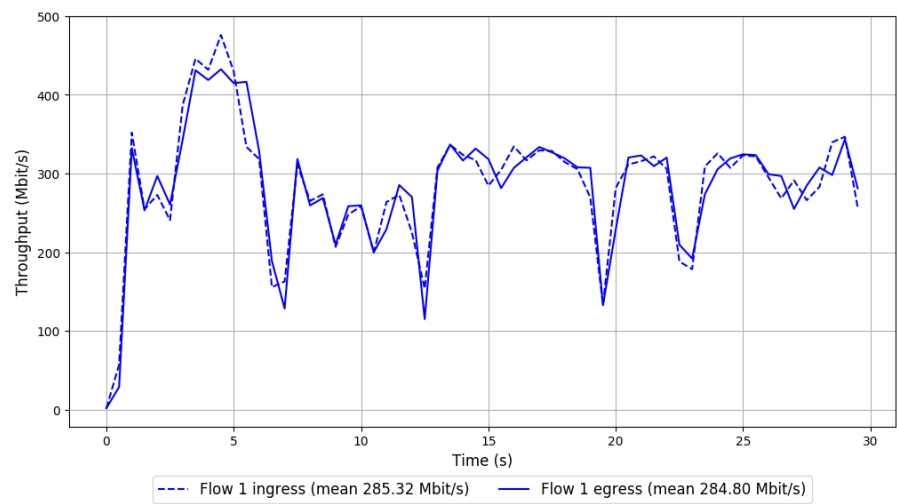
-- Flow 1:

Average throughput: 284.80 Mbit/s

95th percentile per-packet one-way delay: 112.456 ms

Loss rate: 0.19%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-06 05:49:07

End at: 2018-03-06 05:49:37

Below is generated by plot.py at 2018-03-06 08:22:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.75 Mbit/s

95th percentile per-packet one-way delay: 122.829 ms

Loss rate: 0.07%

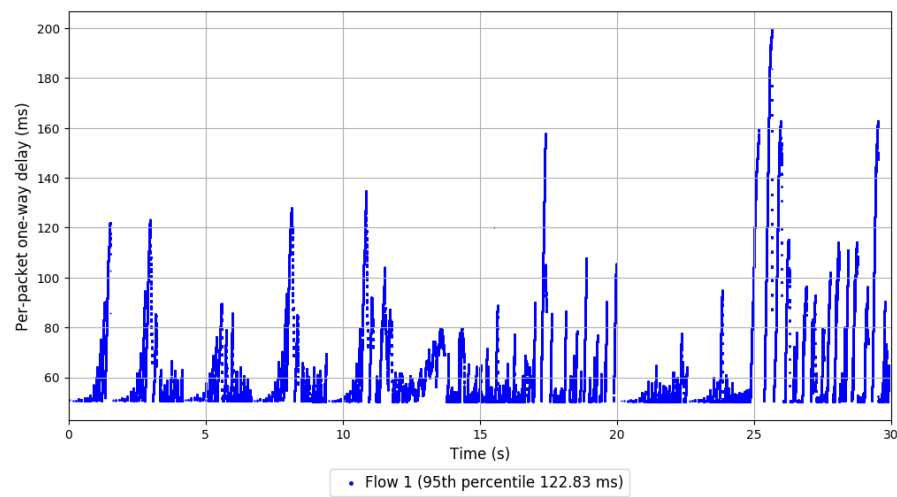
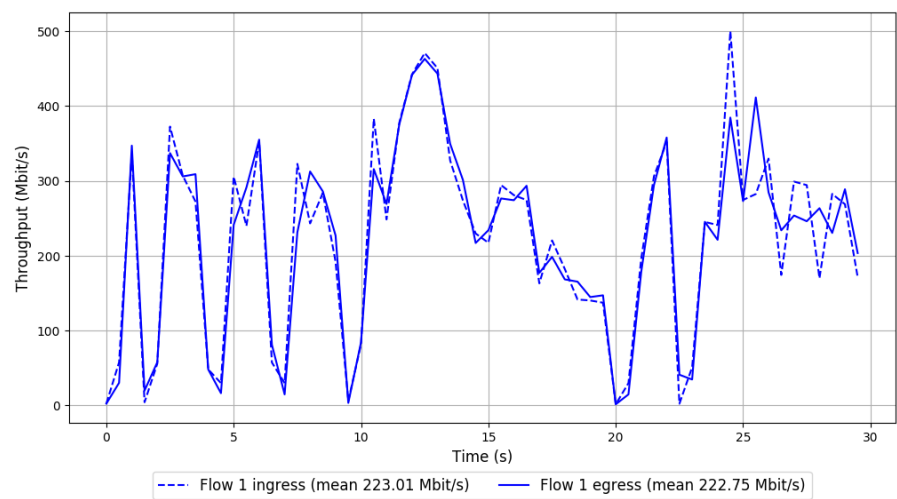
-- Flow 1:

Average throughput: 222.75 Mbit/s

95th percentile per-packet one-way delay: 122.829 ms

Loss rate: 0.07%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-03-06 06:03:23

End at: 2018-03-06 06:03:53

Below is generated by plot.py at 2018-03-06 08:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.07 Mbit/s

95th percentile per-packet one-way delay: 85.245 ms

Loss rate: 0.01%

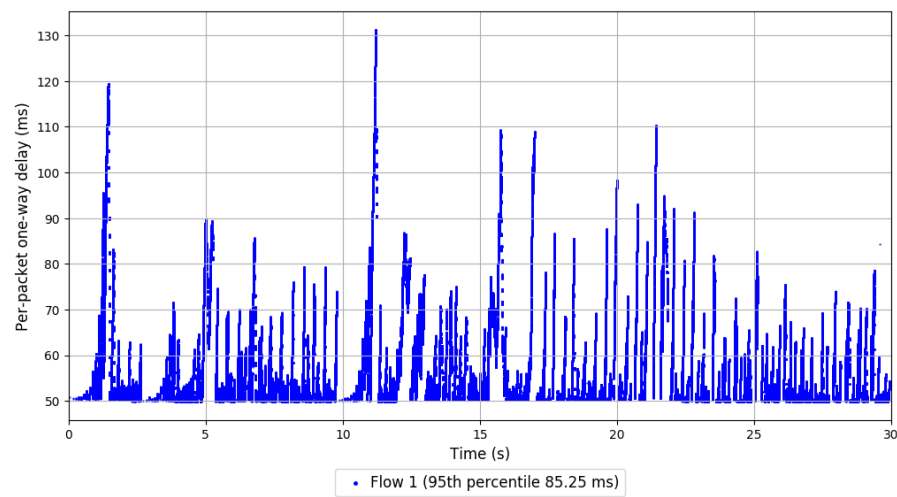
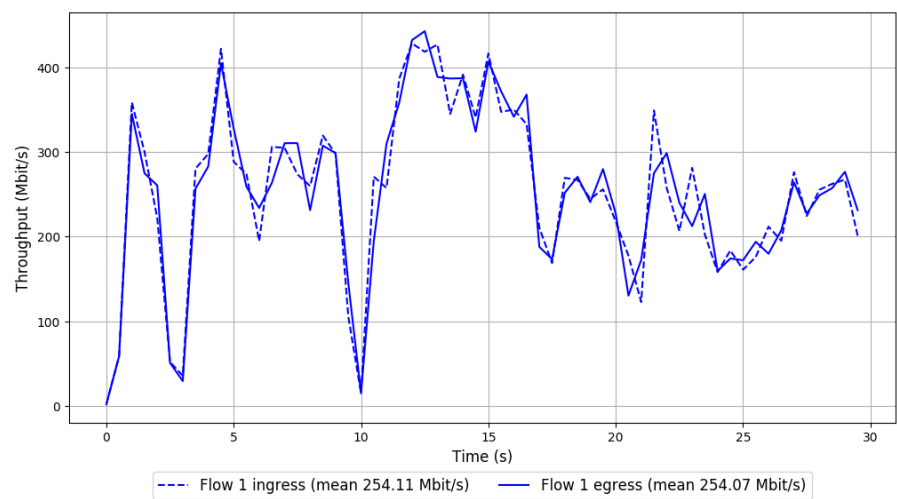
-- Flow 1:

Average throughput: 254.07 Mbit/s

95th percentile per-packet one-way delay: 85.245 ms

Loss rate: 0.01%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-06 03:57:09

End at: 2018-03-06 03:57:39

Below is generated by plot.py at 2018-03-06 08:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 51.236 ms

Loss rate: 0.00%

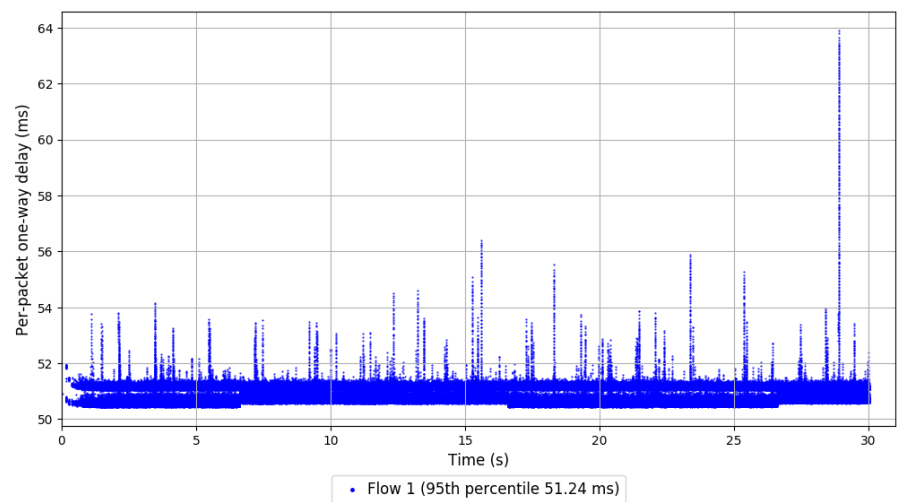
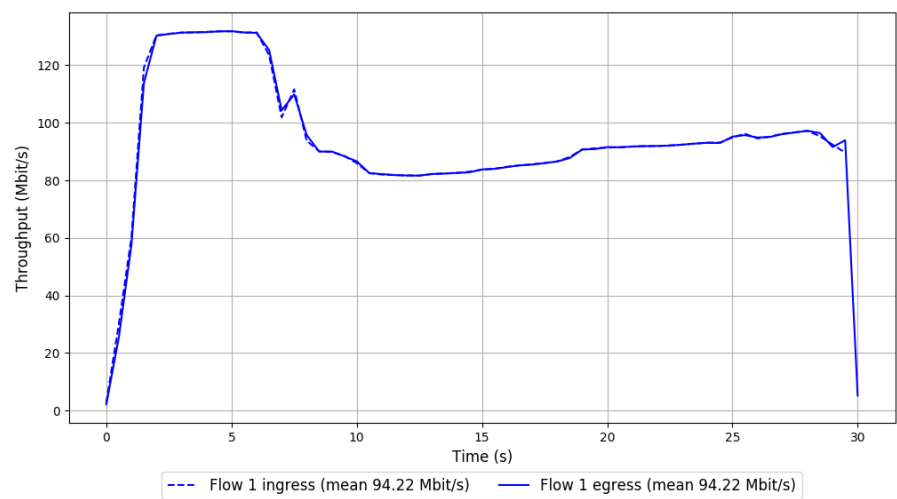
-- Flow 1:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 51.236 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-06 04:11:32

End at: 2018-03-06 04:12:02

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.22 Mbit/s

95th percentile per-packet one-way delay: 214.997 ms

Loss rate: 30.07%

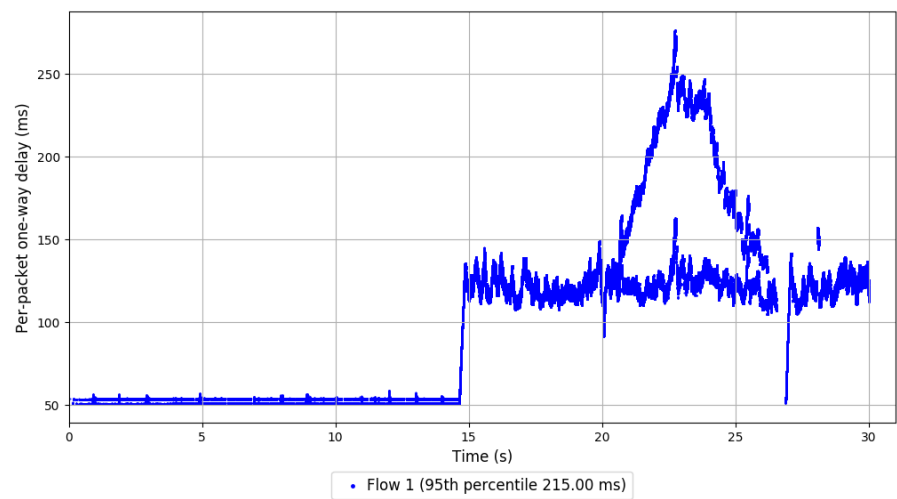
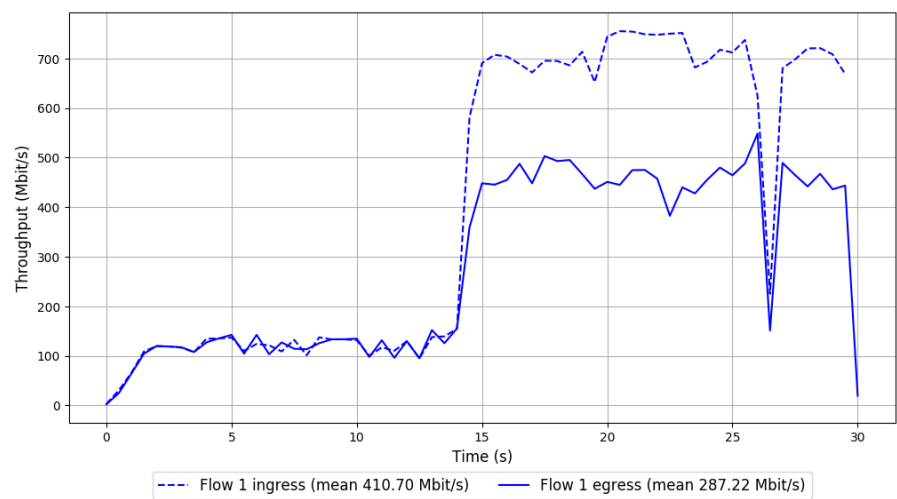
-- Flow 1:

Average throughput: 287.22 Mbit/s

95th percentile per-packet one-way delay: 214.997 ms

Loss rate: 30.07%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-03-06 04:26:15

End at: 2018-03-06 04:26:45

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 51.315 ms

Loss rate: 0.00%

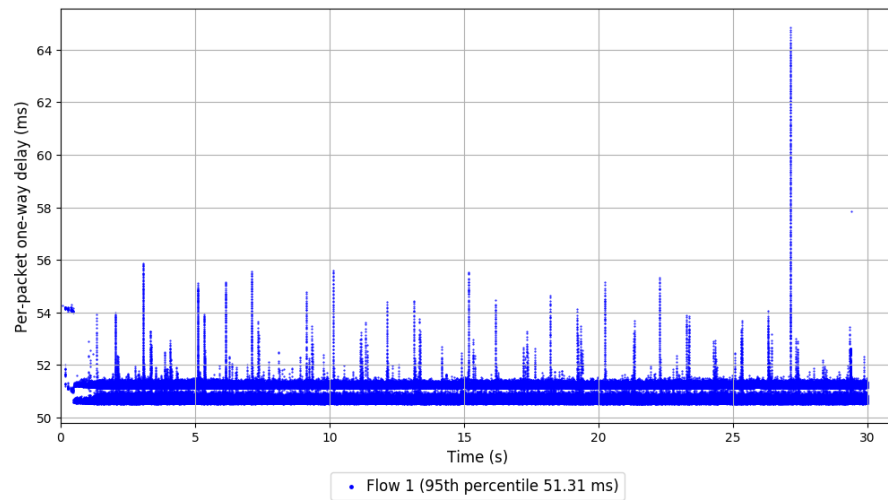
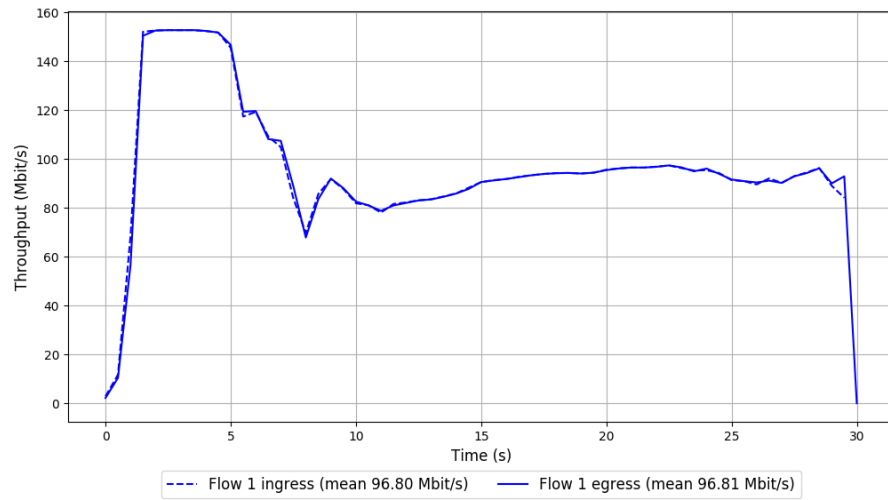
-- Flow 1:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 51.315 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-03-06 04:40:43

End at: 2018-03-06 04:41:13

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.11 Mbit/s

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

Loss rate: 0.00%

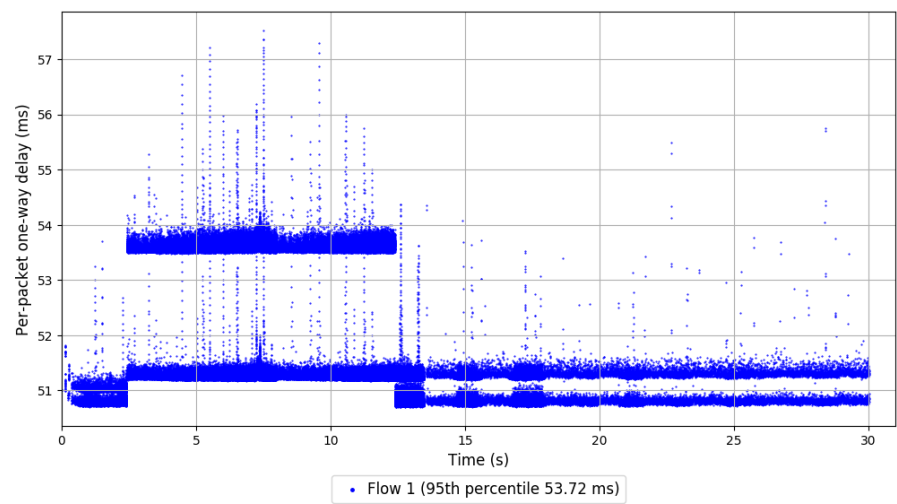
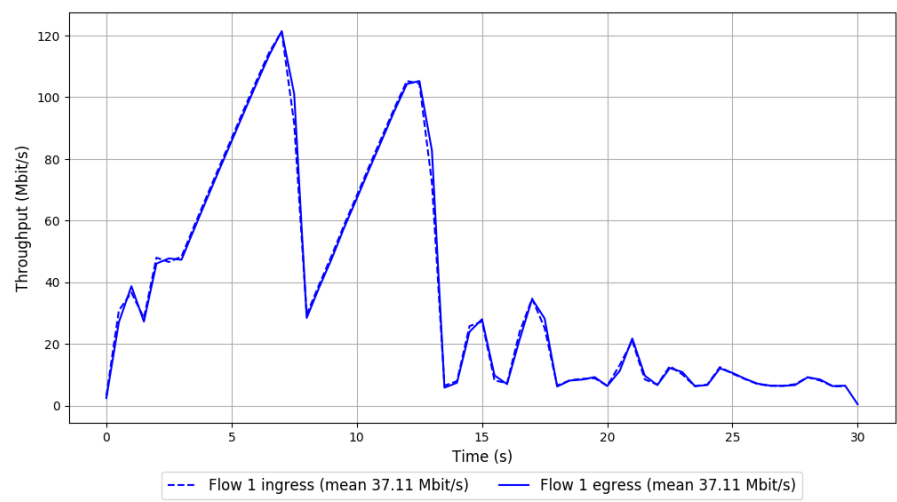
-- Flow 1:

Average throughput: 37.11 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-06 04:54:57

End at: 2018-03-06 04:55:27

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.57 Mbit/s

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

Loss rate: 0.00%

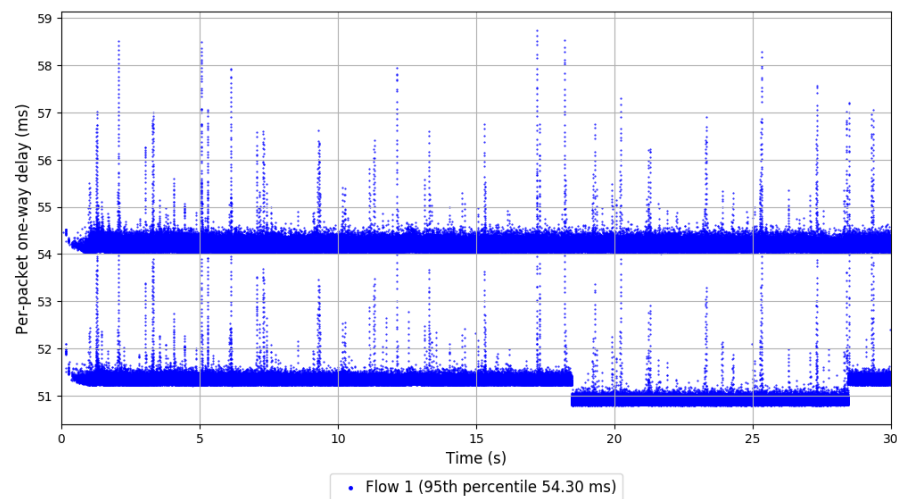
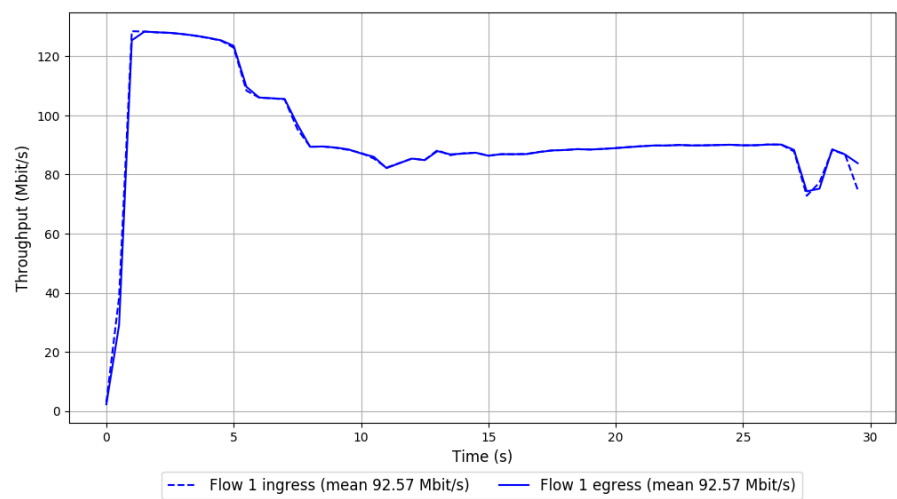
-- Flow 1:

Average throughput: 92.57 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-06 05:09:36

End at: 2018-03-06 05:10:06

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.89 Mbit/s

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

Loss rate: 0.00%

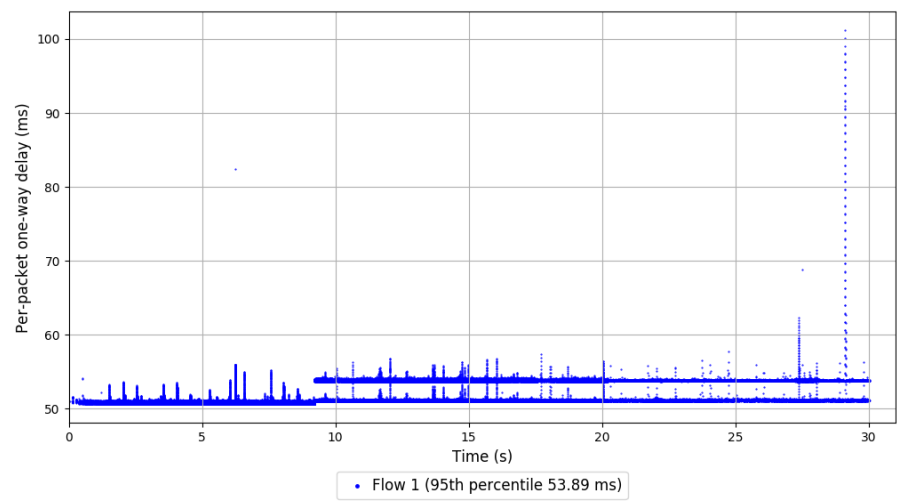
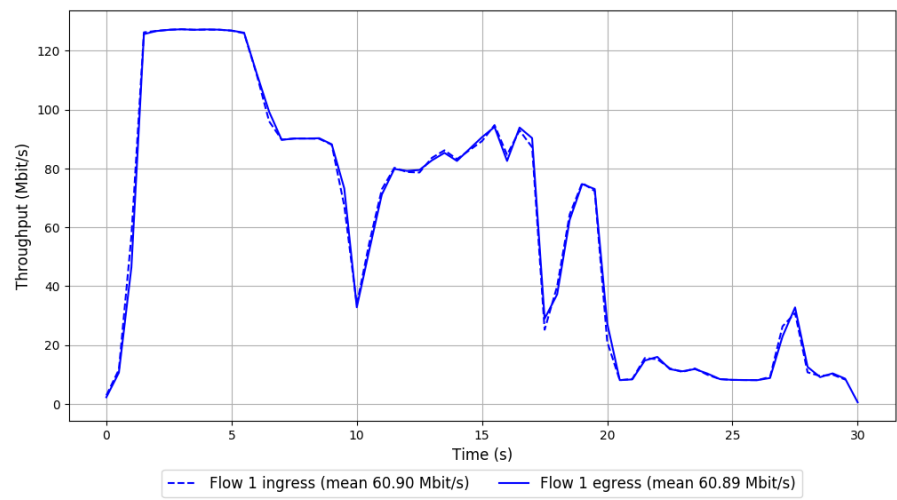
-- Flow 1:

Average throughput: 60.89 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-03-06 05:24:04

End at: 2018-03-06 05:24:35

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 53.815 ms

Loss rate: 0.00%

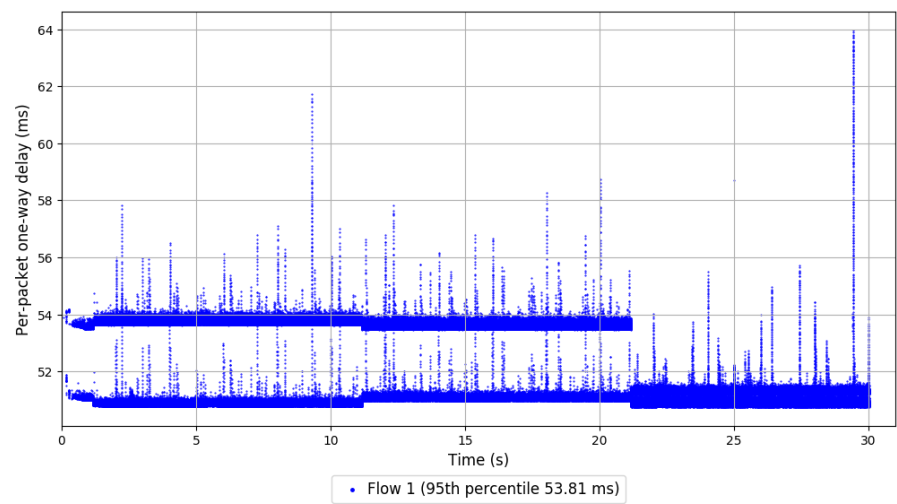
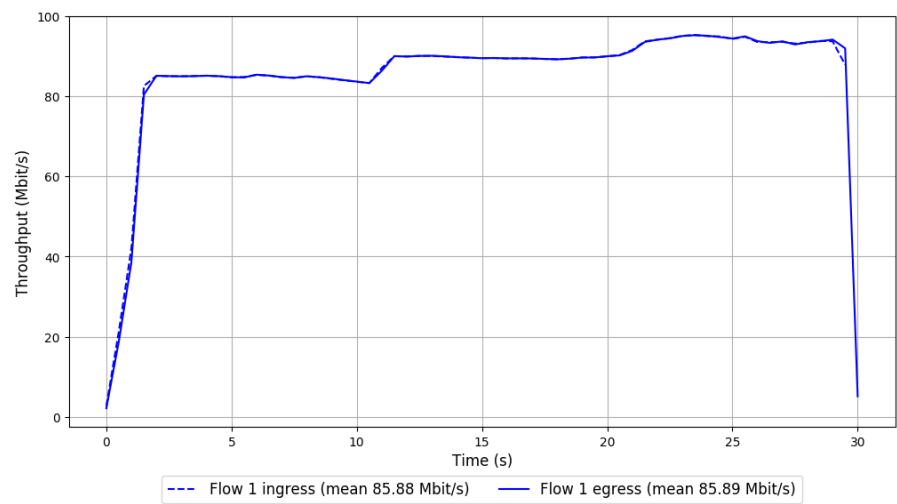
-- Flow 1:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 53.815 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-06 05:38:15

End at: 2018-03-06 05:38:45

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.05 Mbit/s

95th percentile per-packet one-way delay: 54.010 ms

Loss rate: 0.00%

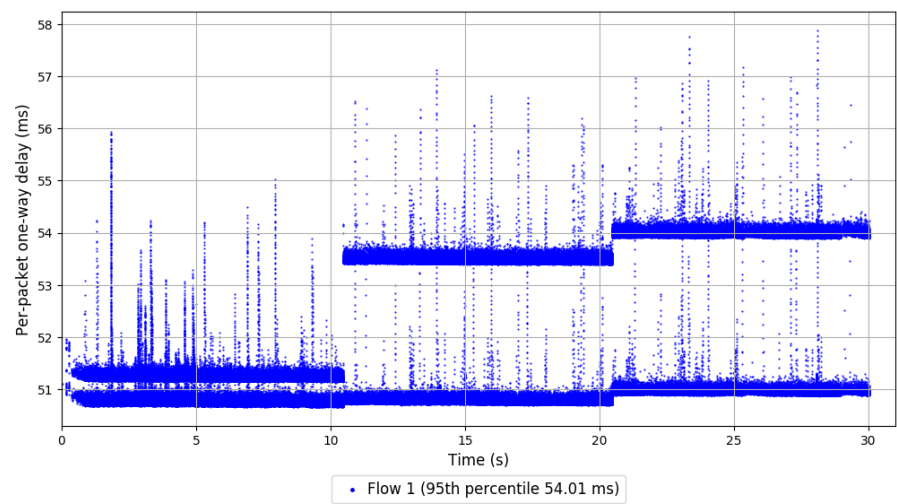
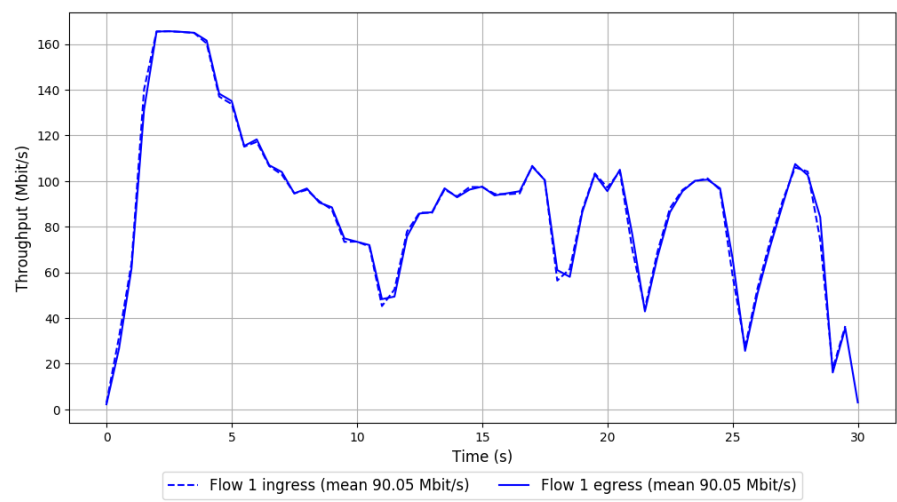
-- Flow 1:

Average throughput: 90.05 Mbit/s

95th percentile per-packet one-way delay: 54.010 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-06 05:52:54

End at: 2018-03-06 05:53:24

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.97 Mbit/s

95th percentile per-packet one-way delay: 50.533 ms

Loss rate: 0.00%

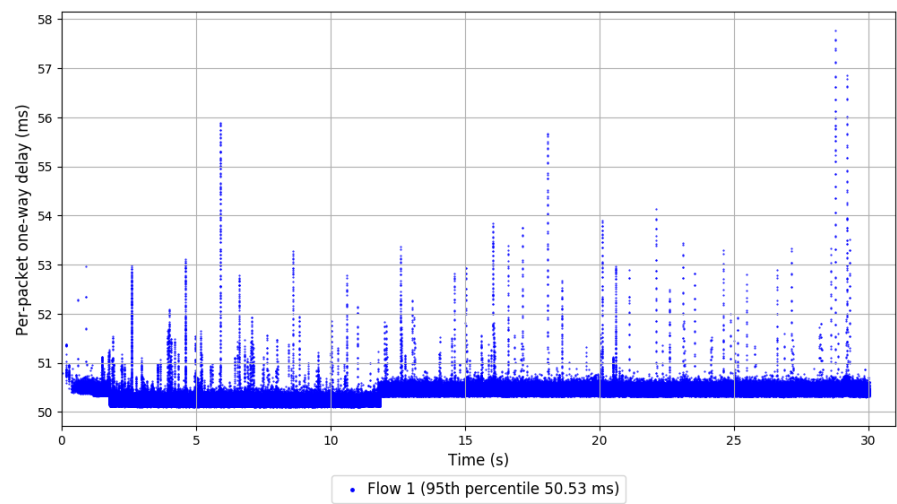
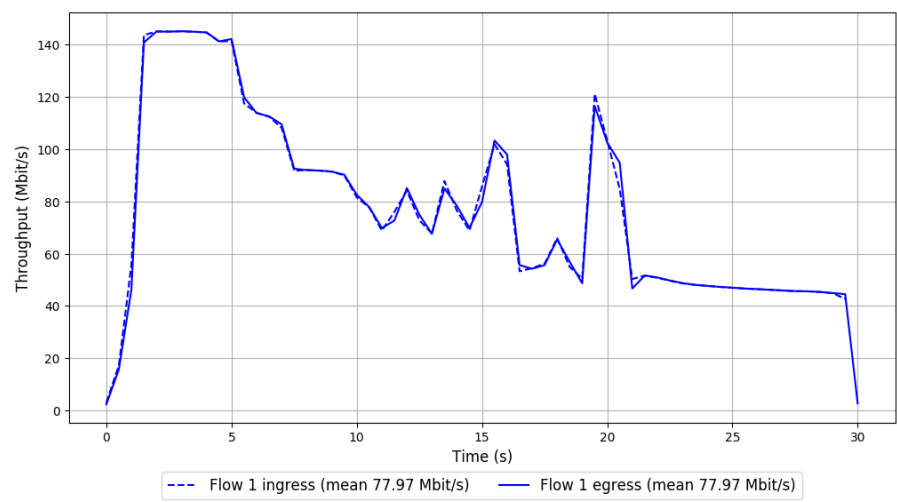
-- Flow 1:

Average throughput: 77.97 Mbit/s

95th percentile per-packet one-way delay: 50.533 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-06 06:07:17

End at: 2018-03-06 06:07:47

Below is generated by plot.py at 2018-03-06 08:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.03 Mbit/s

95th percentile per-packet one-way delay: 53.056 ms

Loss rate: 0.00%

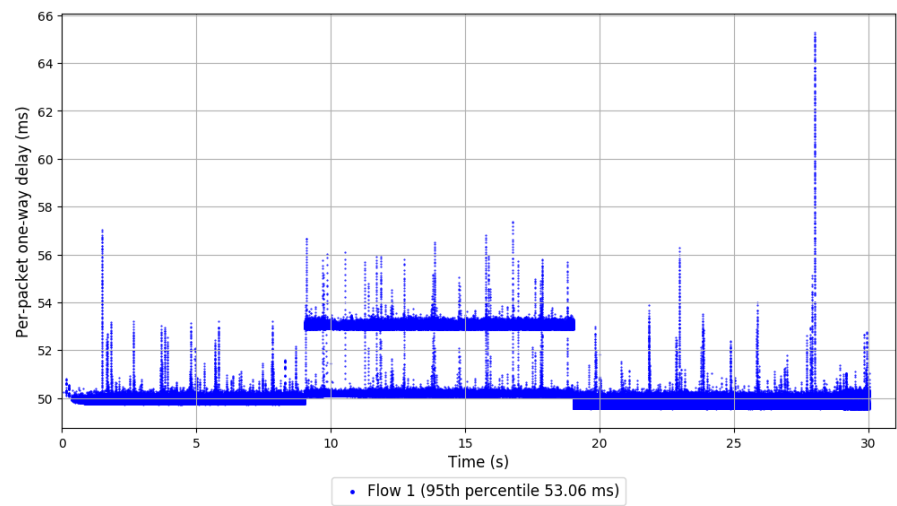
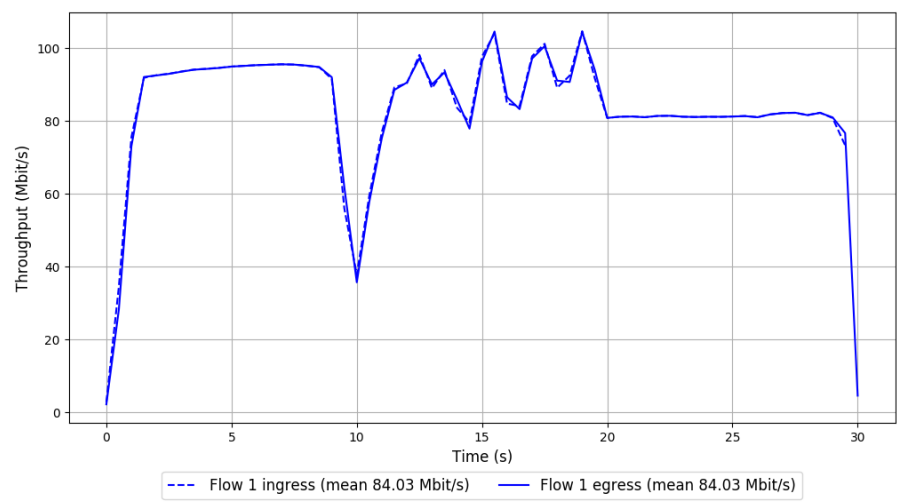
-- Flow 1:

Average throughput: 84.03 Mbit/s

95th percentile per-packet one-way delay: 53.056 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

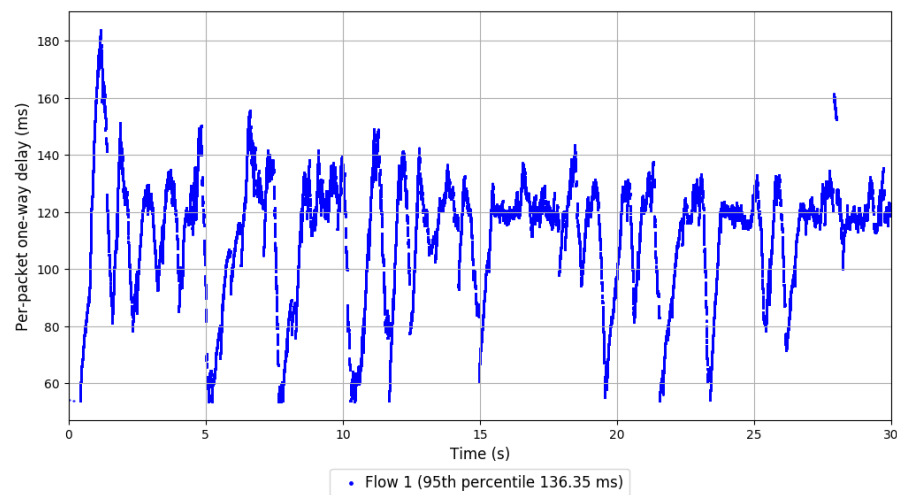
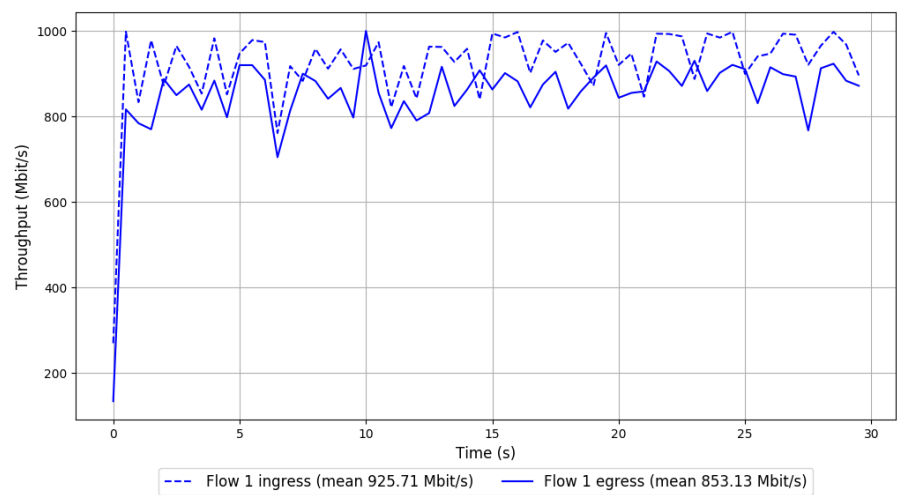


```
Run 1: Statistics of FillP

Start at: 2018-03-06 03:48:02
End at: 2018-03-06 03:48:32

# Below is generated by plot.py at 2018-03-06 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 853.13 Mbit/s
95th percentile per-packet one-way delay: 136.351 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 853.13 Mbit/s
95th percentile per-packet one-way delay: 136.351 ms
Loss rate: 7.84%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-03-06 04:02:23

End at: 2018-03-06 04:02:53

Below is generated by plot.py at 2018-03-06 08:39:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 873.23 Mbit/s

95th percentile per-packet one-way delay: 132.808 ms

Loss rate: 7.36%

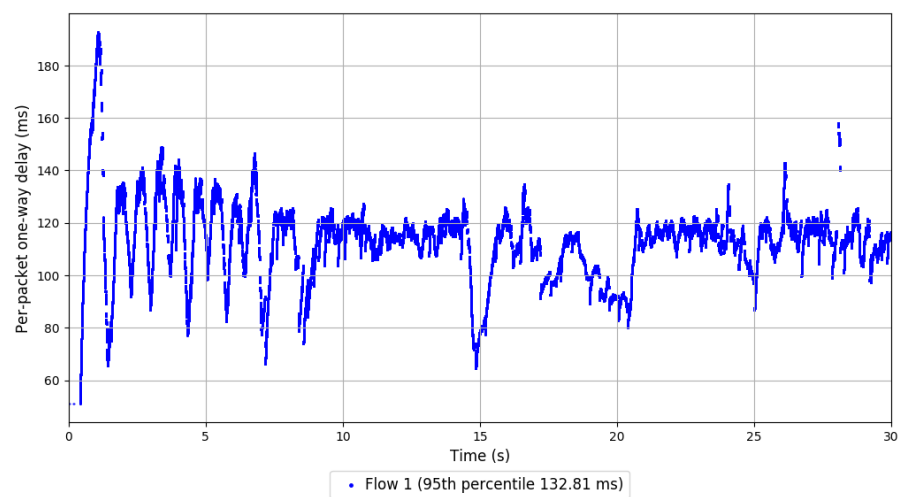
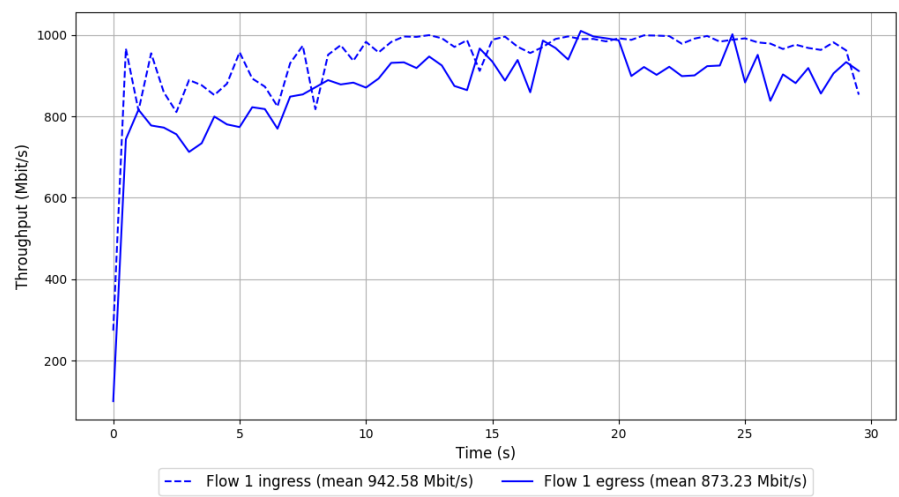
-- Flow 1:

Average throughput: 873.23 Mbit/s

95th percentile per-packet one-way delay: 132.808 ms

Loss rate: 7.36%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-03-06 04:16:49

End at: 2018-03-06 04:17:19

Below is generated by plot.py at 2018-03-06 08:39:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 879.74 Mbit/s

95th percentile per-packet one-way delay: 127.170 ms

Loss rate: 6.92%

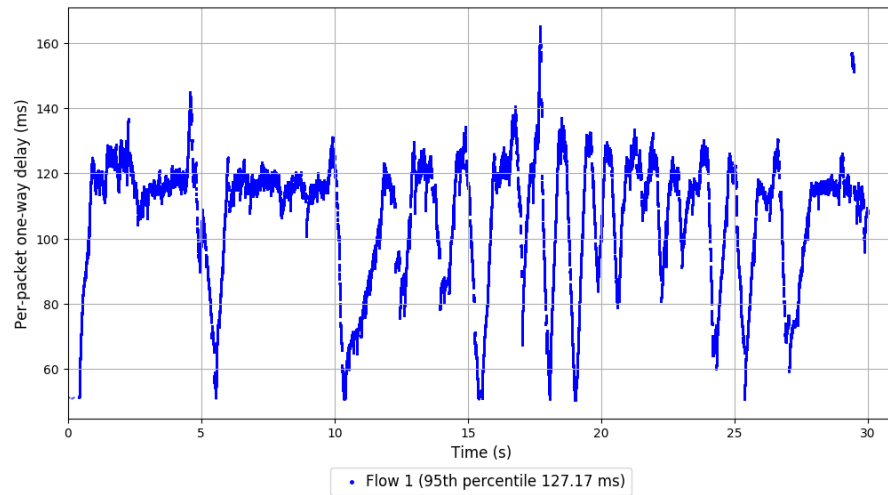
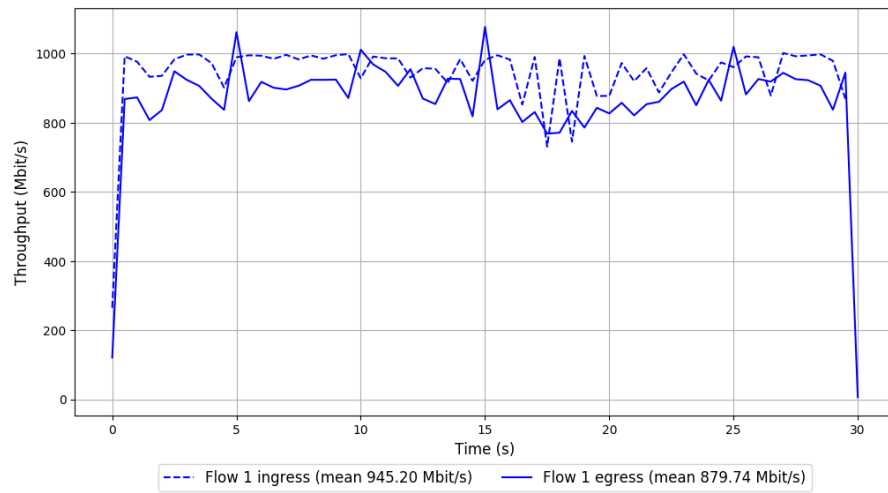
-- Flow 1:

Average throughput: 879.74 Mbit/s

95th percentile per-packet one-way delay: 127.170 ms

Loss rate: 6.92%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-06 04:31:24

End at: 2018-03-06 04:31:54

Below is generated by plot.py at 2018-03-06 08:39:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 805.11 Mbit/s

95th percentile per-packet one-way delay: 140.087 ms

Loss rate: 9.70%

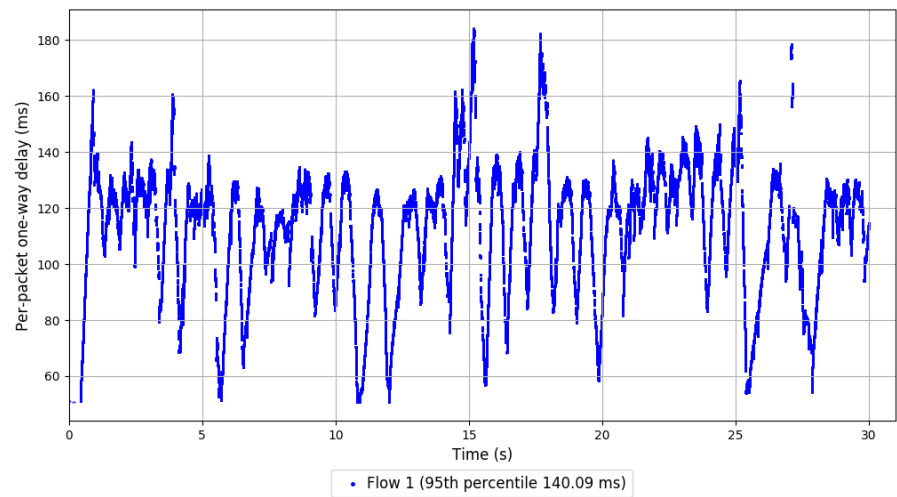
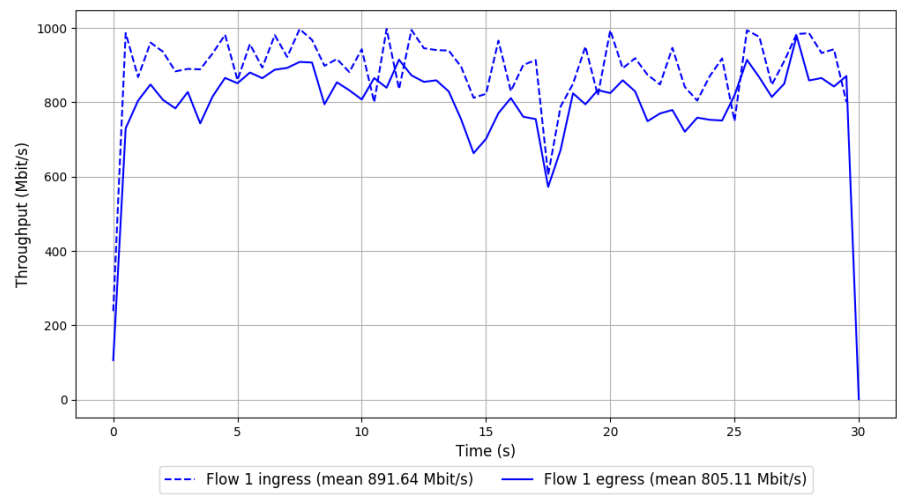
-- Flow 1:

Average throughput: 805.11 Mbit/s

95th percentile per-packet one-way delay: 140.087 ms

Loss rate: 9.70%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-06 04:45:51

End at: 2018-03-06 04:46:21

Below is generated by plot.py at 2018-03-06 08:39:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 766.39 Mbit/s

95th percentile per-packet one-way delay: 155.770 ms

Loss rate: 12.16%

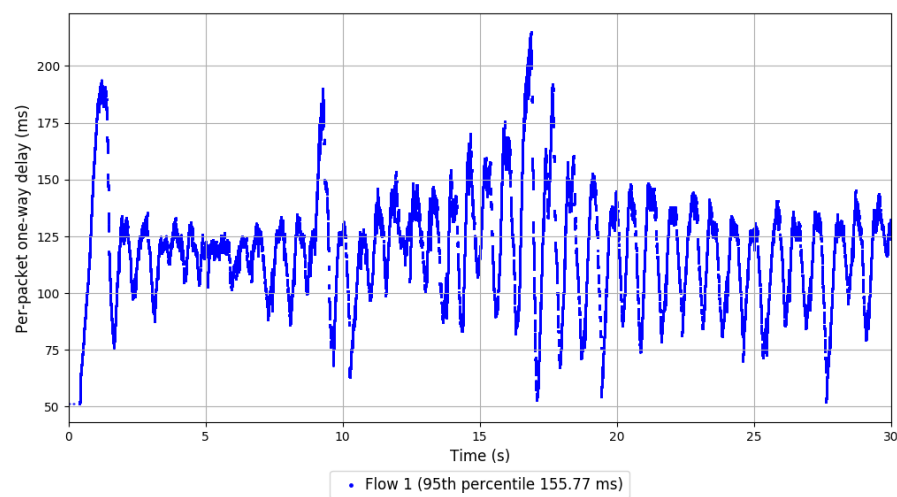
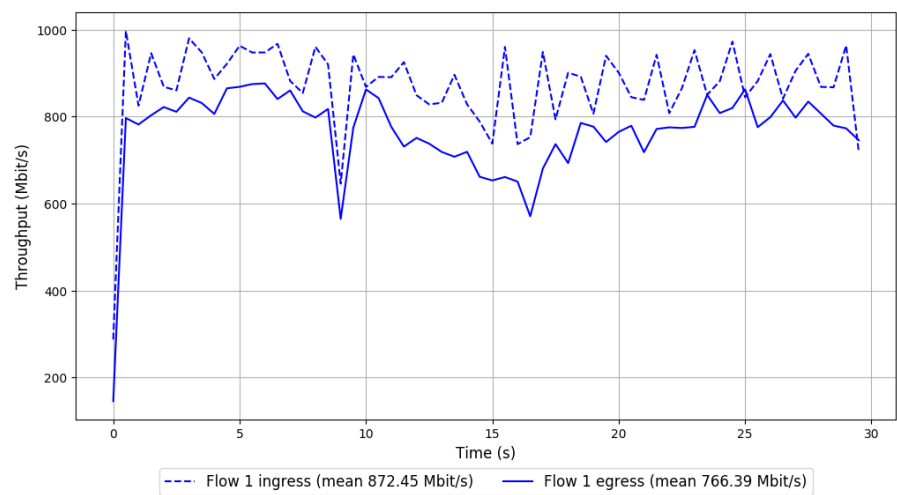
-- Flow 1:

Average throughput: 766.39 Mbit/s

95th percentile per-packet one-way delay: 155.770 ms

Loss rate: 12.16%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-06 05:00:10

End at: 2018-03-06 05:00:40

Below is generated by plot.py at 2018-03-06 08:39:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 860.33 Mbit/s

95th percentile per-packet one-way delay: 132.473 ms

Loss rate: 7.81%

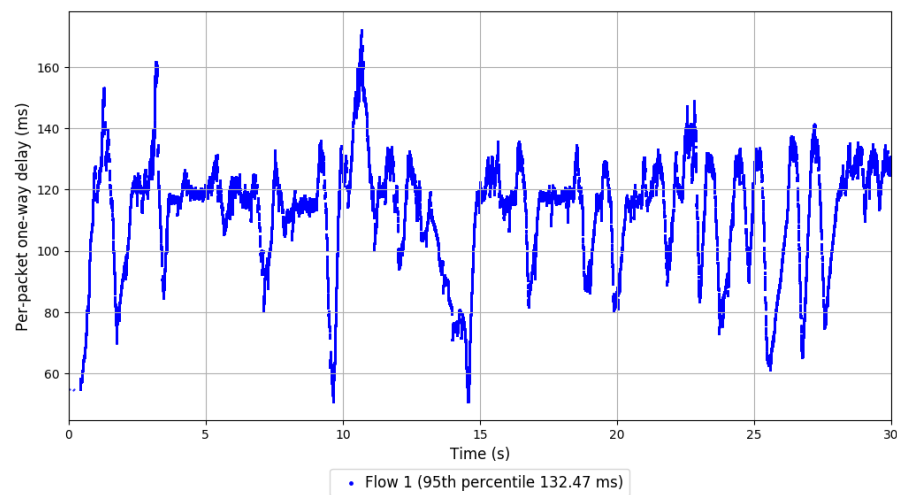
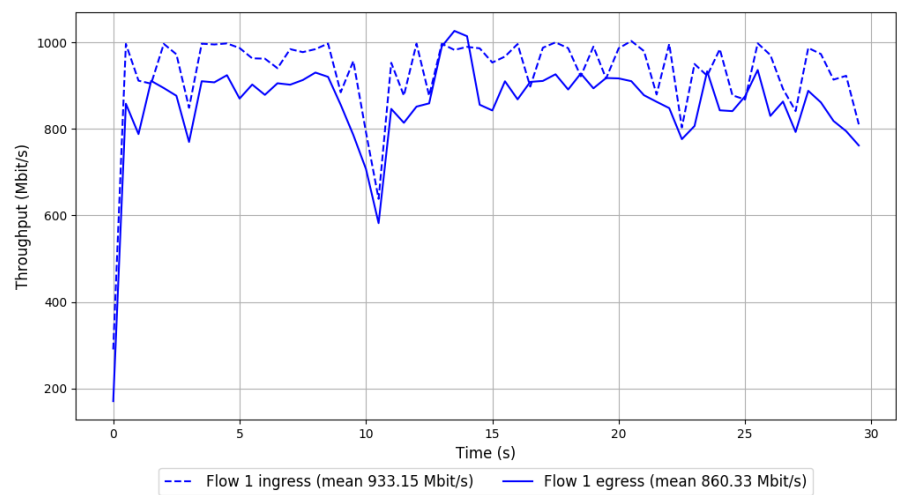
-- Flow 1:

Average throughput: 860.33 Mbit/s

95th percentile per-packet one-way delay: 132.473 ms

Loss rate: 7.81%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-06 05:14:37

End at: 2018-03-06 05:15:07

Below is generated by plot.py at 2018-03-06 08:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 847.76 Mbit/s

95th percentile per-packet one-way delay: 131.129 ms

Loss rate: 8.11%

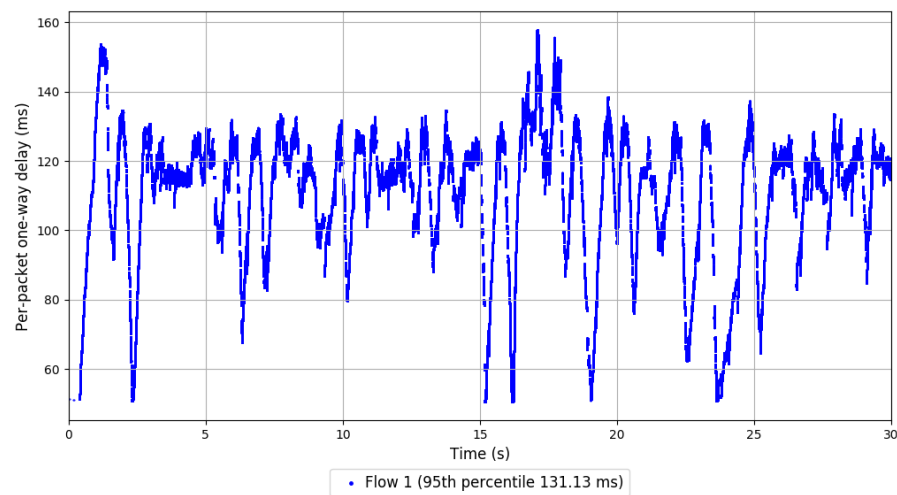
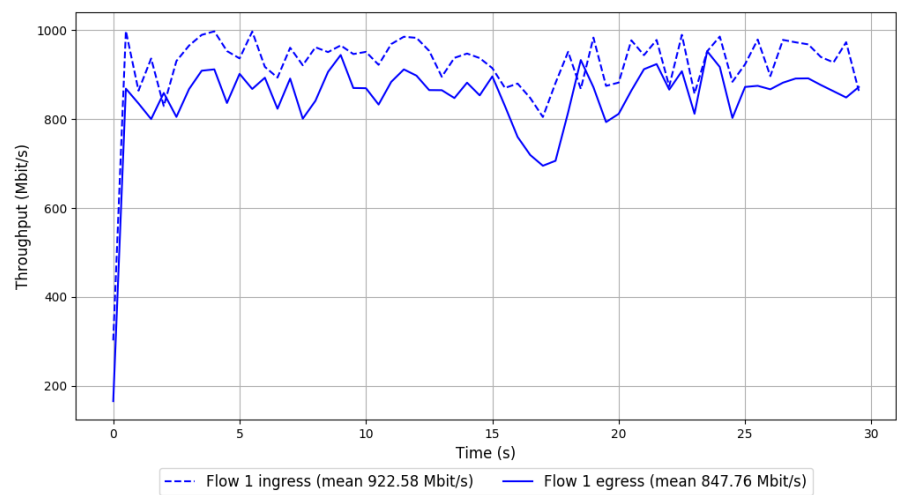
-- Flow 1:

Average throughput: 847.76 Mbit/s

95th percentile per-packet one-way delay: 131.129 ms

Loss rate: 8.11%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-06 05:29:16

End at: 2018-03-06 05:29:46

Below is generated by plot.py at 2018-03-06 08:46:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 865.00 Mbit/s

95th percentile per-packet one-way delay: 129.831 ms

Loss rate: 7.91%

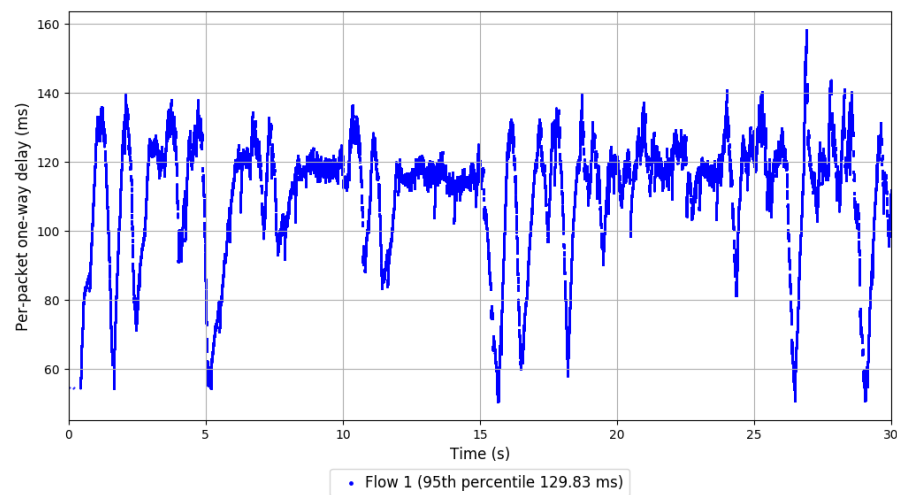
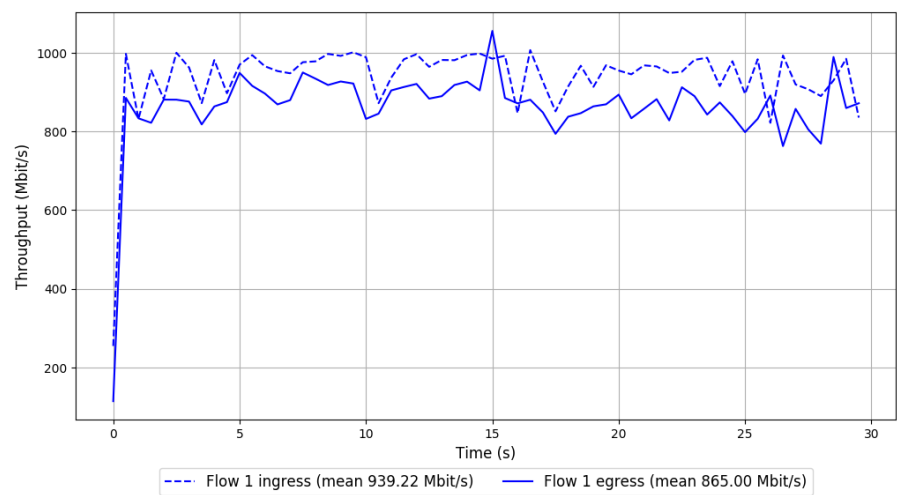
-- Flow 1:

Average throughput: 865.00 Mbit/s

95th percentile per-packet one-way delay: 129.831 ms

Loss rate: 7.91%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-03-06 05:43:28

End at: 2018-03-06 05:43:58

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 861.05 Mbit/s

95th percentile per-packet one-way delay: 131.067 ms

Loss rate: 7.09%

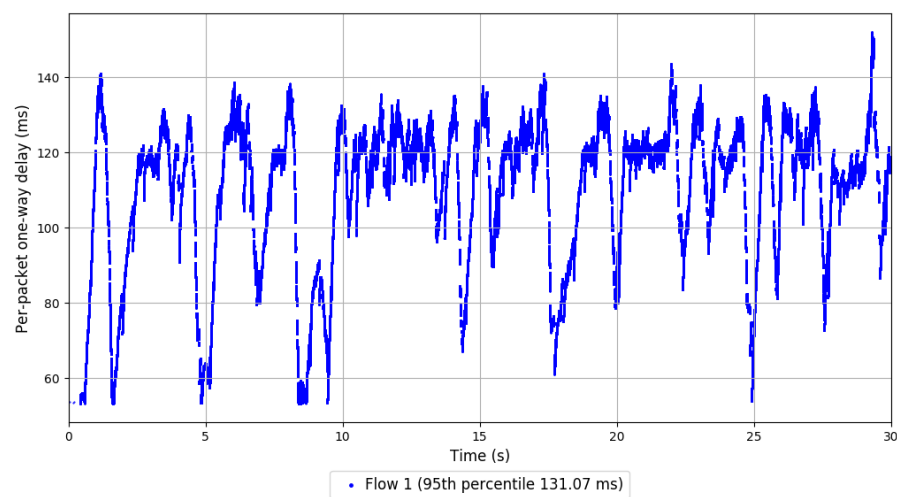
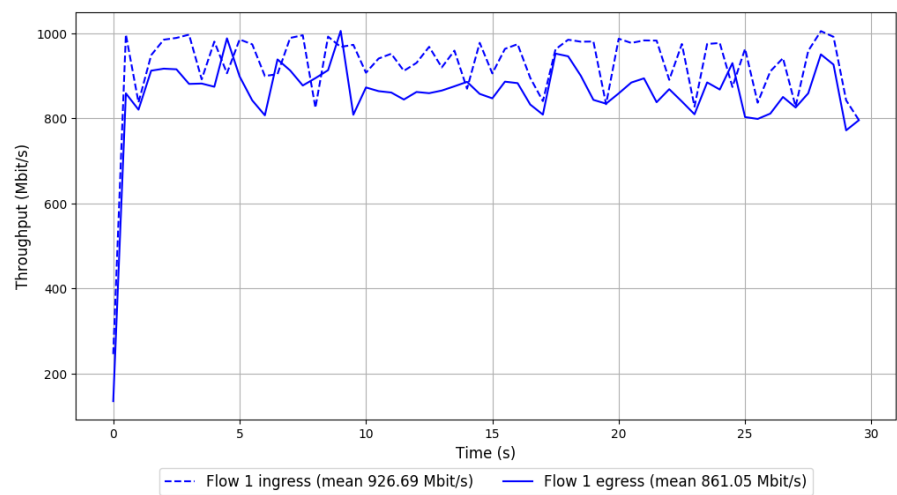
-- Flow 1:

Average throughput: 861.05 Mbit/s

95th percentile per-packet one-way delay: 131.067 ms

Loss rate: 7.09%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-06 05:58:02

End at: 2018-03-06 05:58:32

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 837.15 Mbit/s

95th percentile per-packet one-way delay: 136.584 ms

Loss rate: 8.25%

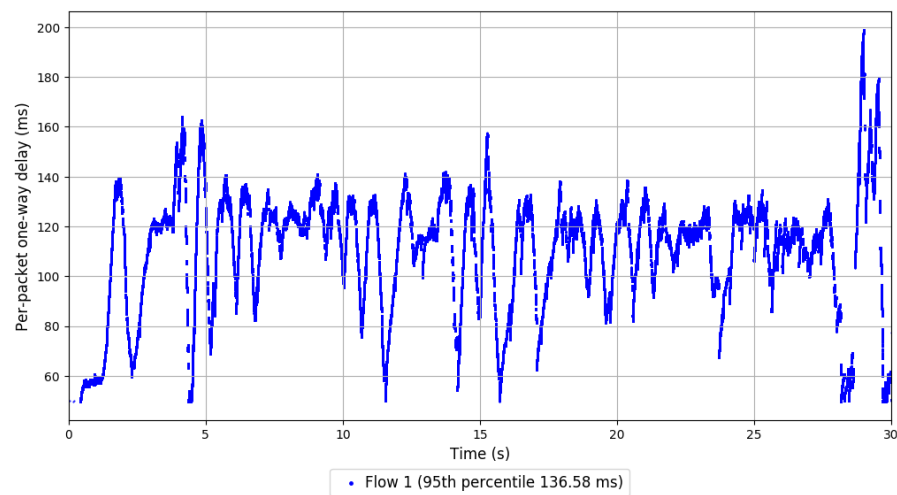
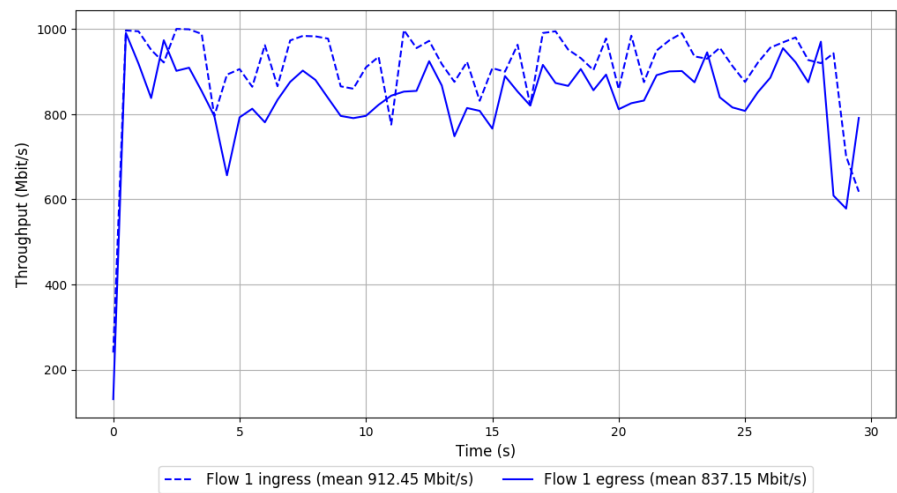
-- Flow 1:

Average throughput: 837.15 Mbit/s

95th percentile per-packet one-way delay: 136.584 ms

Loss rate: 8.25%

Run 10: Report of FillP — Data Link

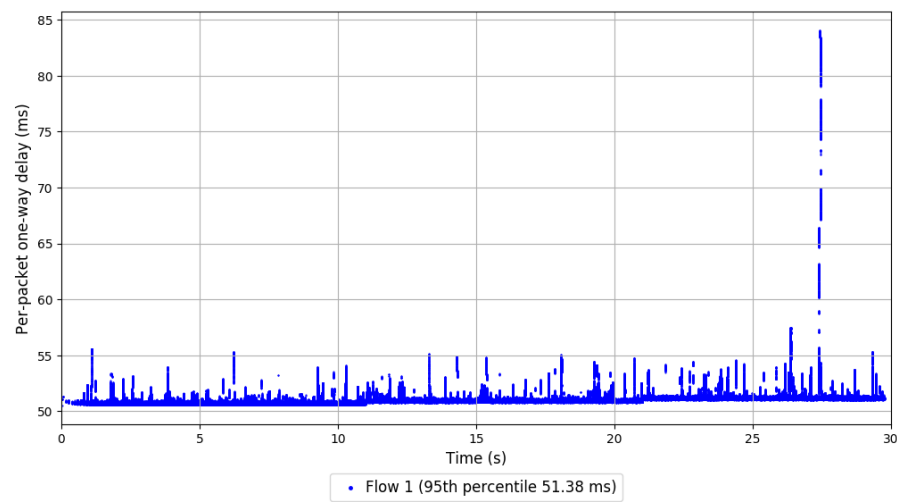
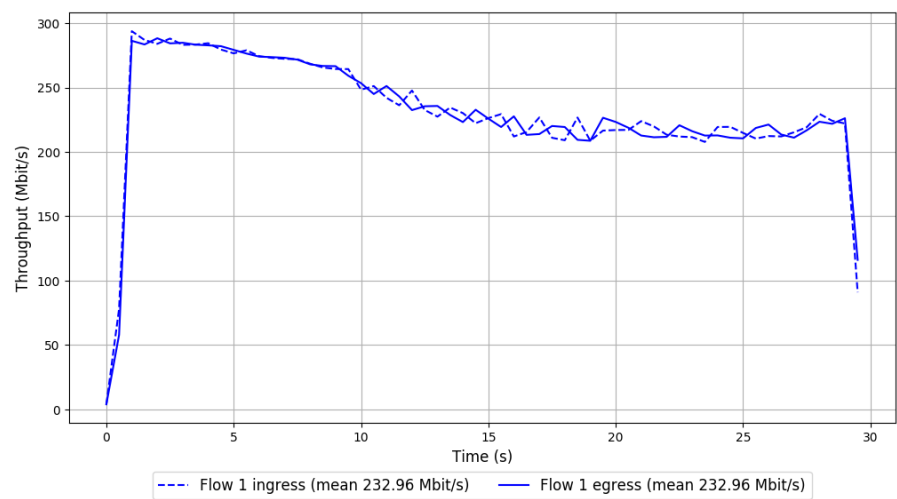


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-03-06 03:46:24
End at: 2018-03-06 03:46:54

# Below is generated by plot.py at 2018-03-06 08:54:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.96 Mbit/s
95th percentile per-packet one-way delay: 51.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 232.96 Mbit/s
95th percentile per-packet one-way delay: 51.376 ms
Loss rate: 0.00%
```

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

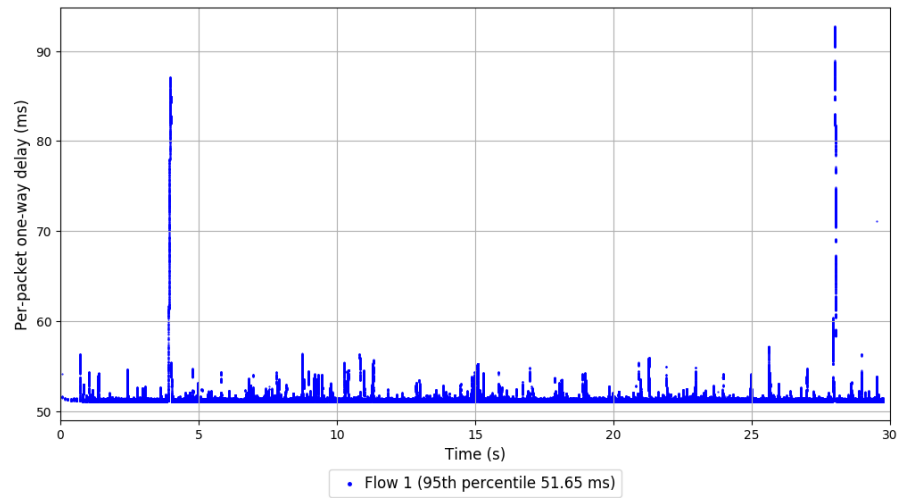
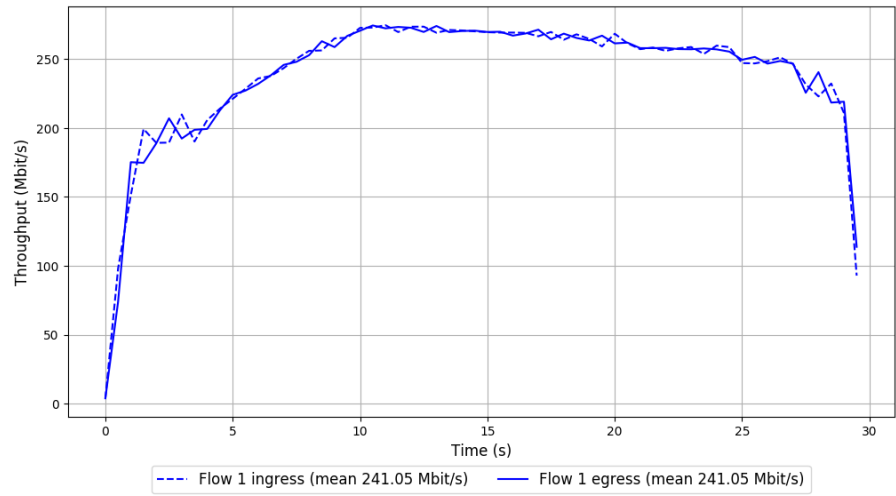


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-03-06 04:00:45
End at: 2018-03-06 04:01:15

# Below is generated by plot.py at 2018-03-06 08:54:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.05 Mbit/s
95th percentile per-packet one-way delay: 51.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.05 Mbit/s
95th percentile per-packet one-way delay: 51.653 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-06 04:15:12

End at: 2018-03-06 04:15:42

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.70 Mbit/s

95th percentile per-packet one-way delay: 51.711 ms

Loss rate: 0.00%

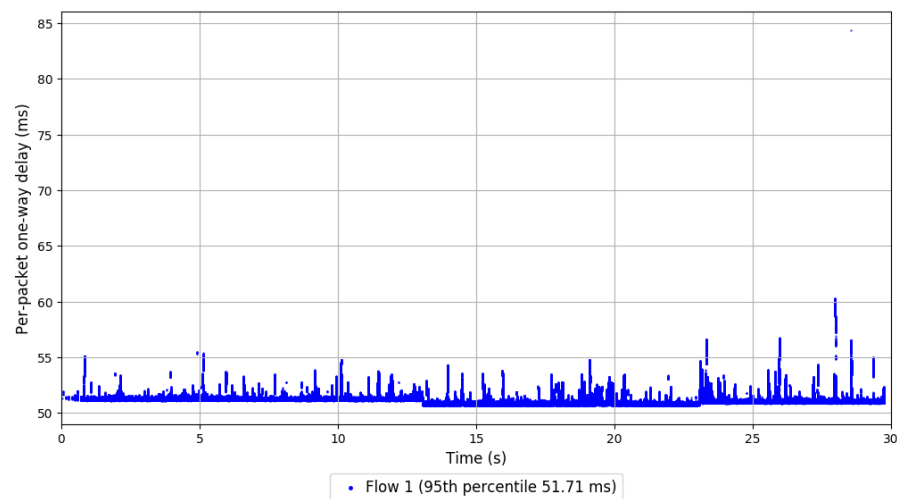
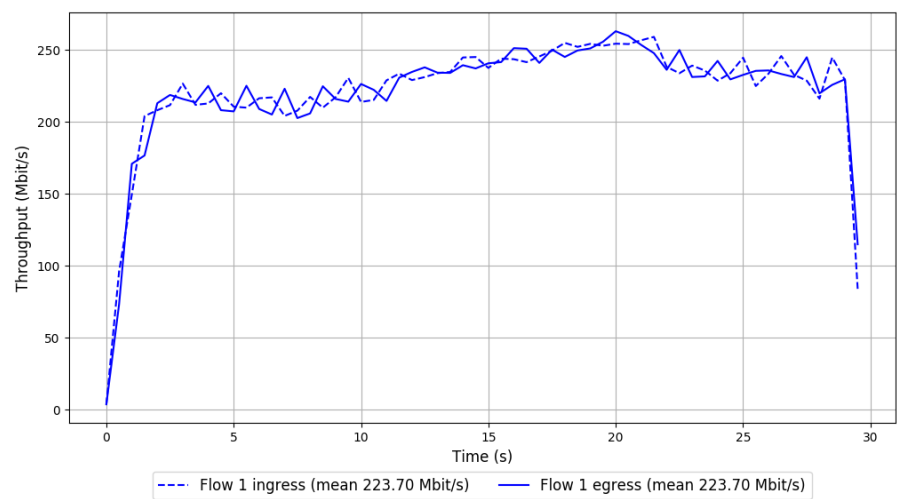
-- Flow 1:

Average throughput: 223.70 Mbit/s

95th percentile per-packet one-way delay: 51.711 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-06 04:29:48

End at: 2018-03-06 04:30:18

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.76 Mbit/s

95th percentile per-packet one-way delay: 51.395 ms

Loss rate: 0.06%

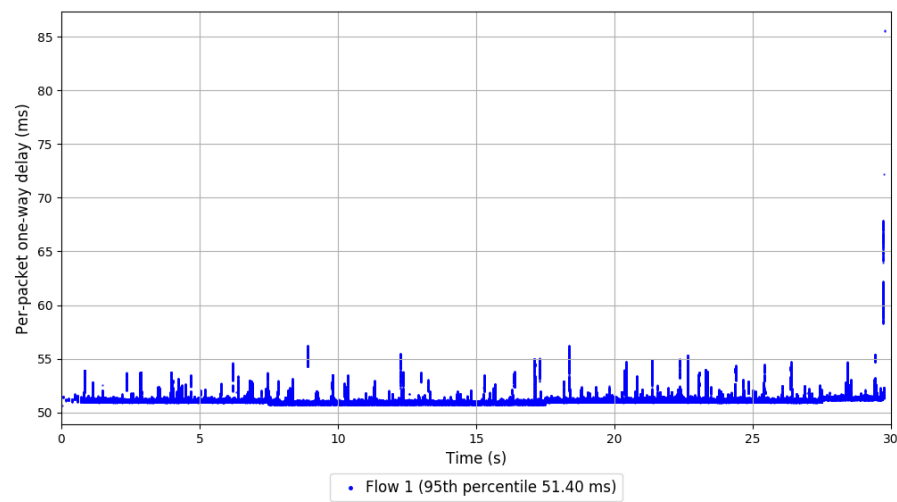
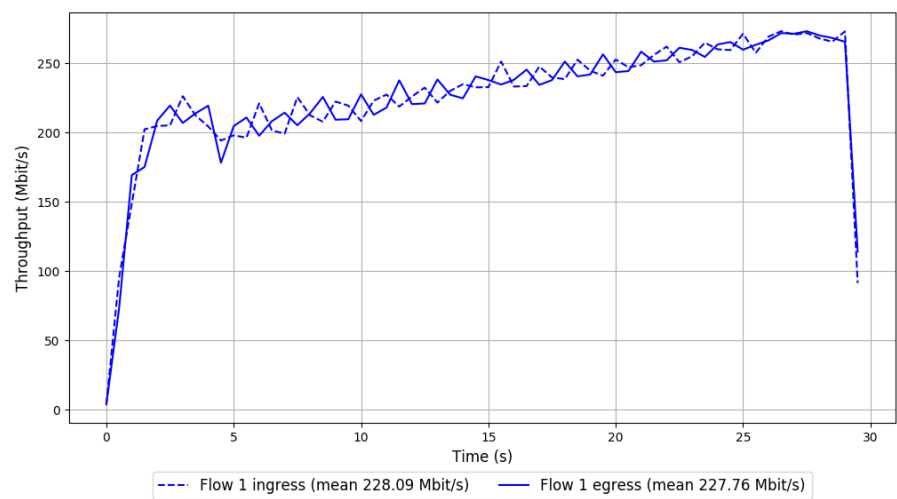
-- Flow 1:

Average throughput: 227.76 Mbit/s

95th percentile per-packet one-way delay: 51.395 ms

Loss rate: 0.06%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-06 04:44:13

End at: 2018-03-06 04:44:43

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.33 Mbit/s

95th percentile per-packet one-way delay: 51.499 ms

Loss rate: 0.00%

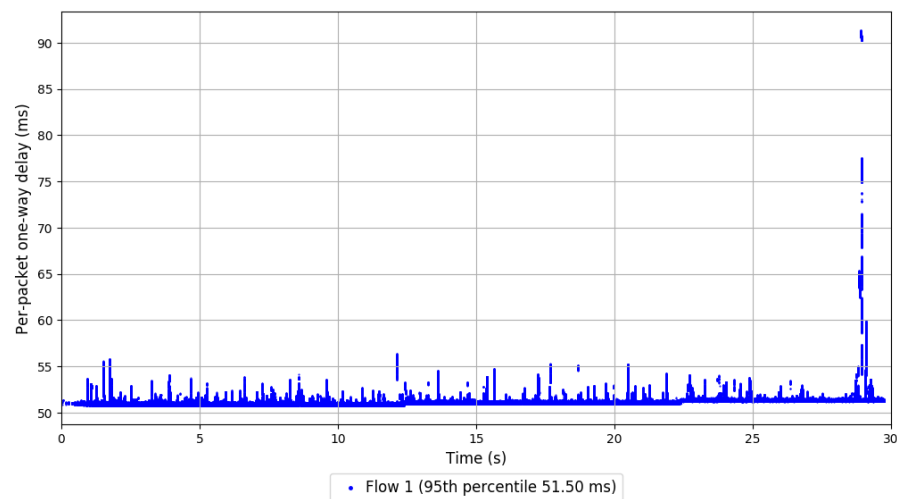
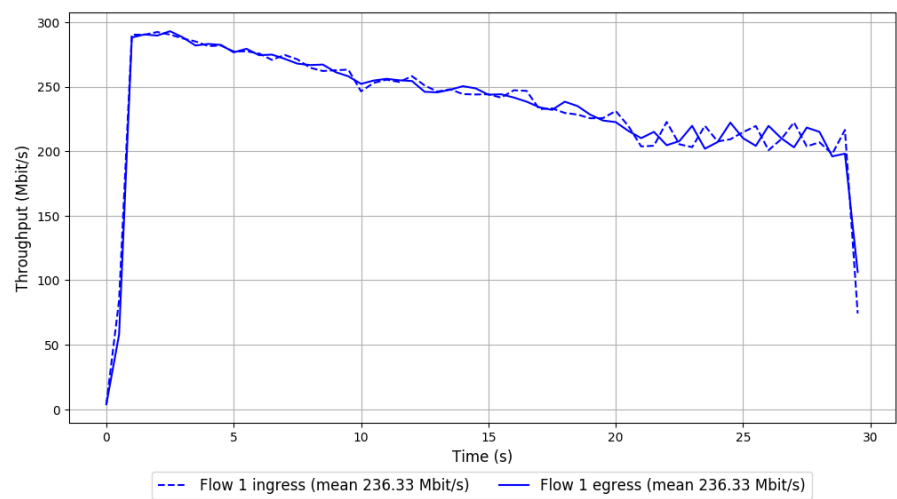
-- Flow 1:

Average throughput: 236.33 Mbit/s

95th percentile per-packet one-way delay: 51.499 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-06 04:58:32

End at: 2018-03-06 04:59:03

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.44 Mbit/s

95th percentile per-packet one-way delay: 51.599 ms

Loss rate: 0.00%

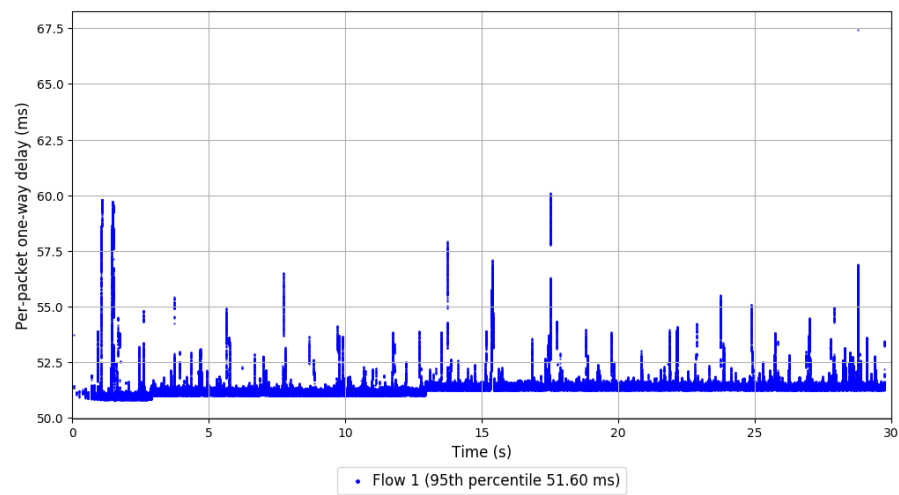
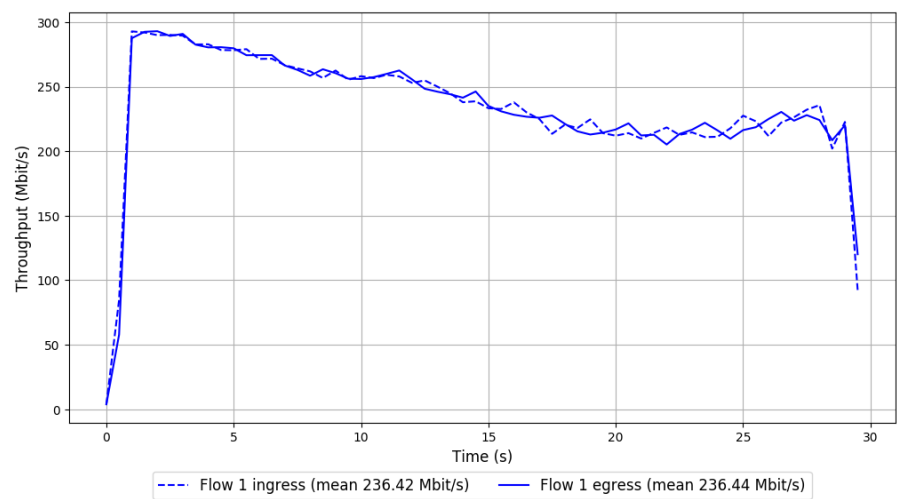
-- Flow 1:

Average throughput: 236.44 Mbit/s

95th percentile per-packet one-way delay: 51.599 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-03-06 05:12:59

End at: 2018-03-06 05:13:29

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.09 Mbit/s

95th percentile per-packet one-way delay: 51.603 ms

Loss rate: 0.00%

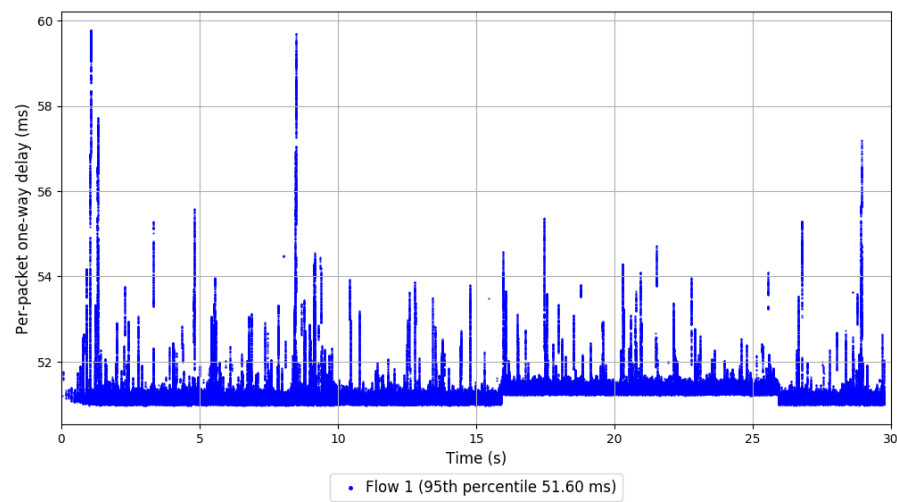
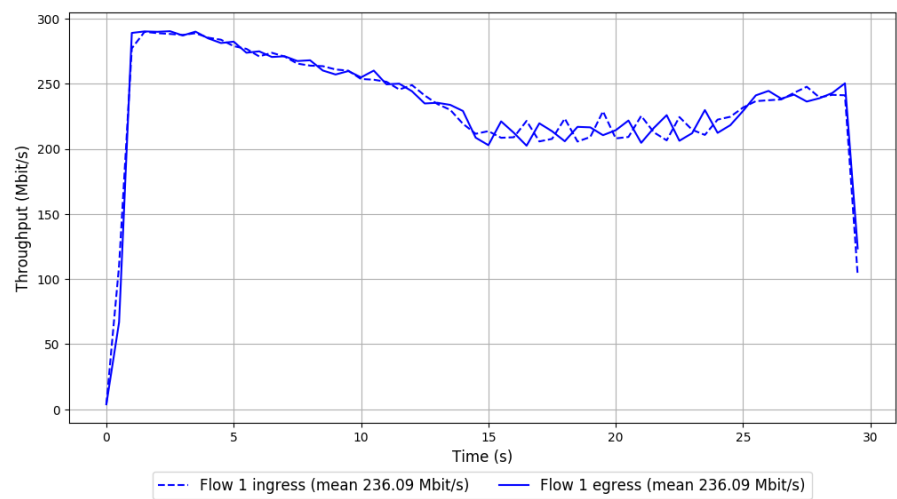
-- Flow 1:

Average throughput: 236.09 Mbit/s

95th percentile per-packet one-way delay: 51.603 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-06 05:27:39

End at: 2018-03-06 05:28:09

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.44 Mbit/s

95th percentile per-packet one-way delay: 51.678 ms

Loss rate: 0.00%

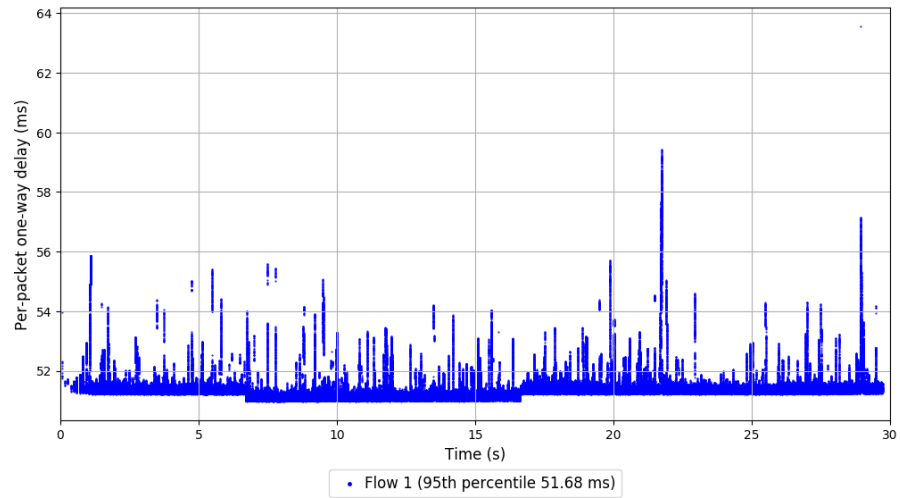
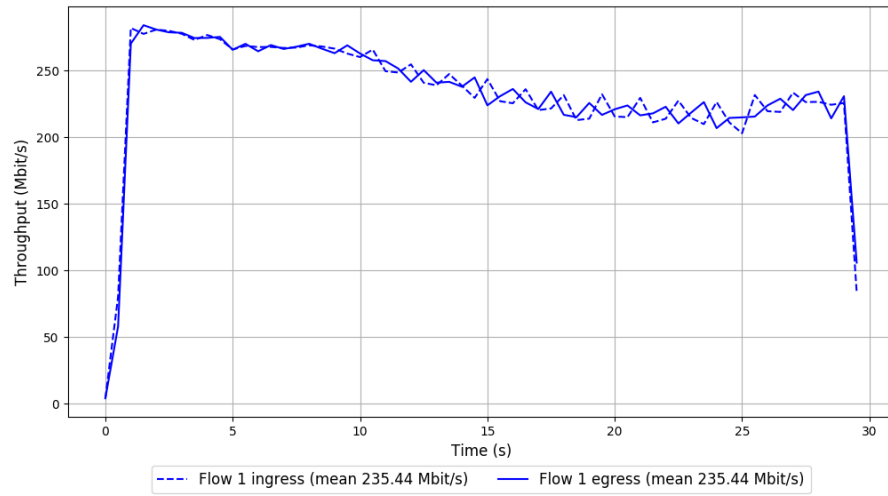
-- Flow 1:

Average throughput: 235.44 Mbit/s

95th percentile per-packet one-way delay: 51.678 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-06 05:41:49

End at: 2018-03-06 05:42:19

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.99 Mbit/s

95th percentile per-packet one-way delay: 51.421 ms

Loss rate: 0.00%

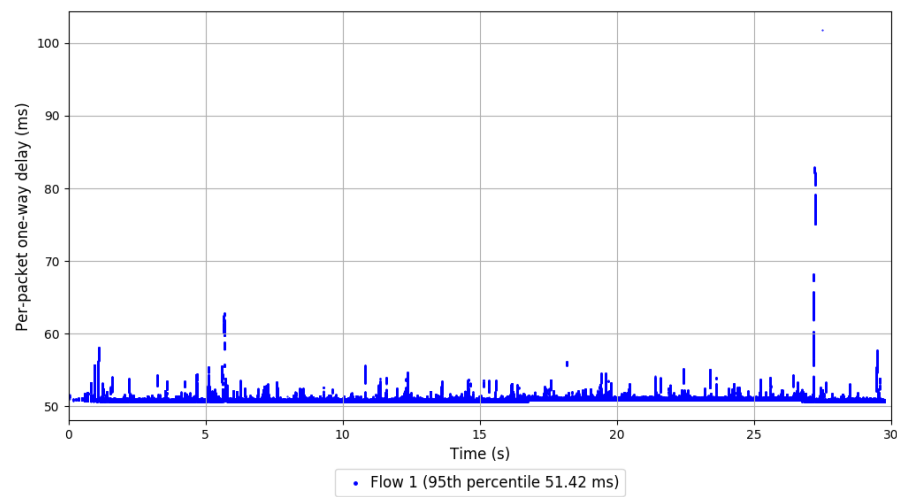
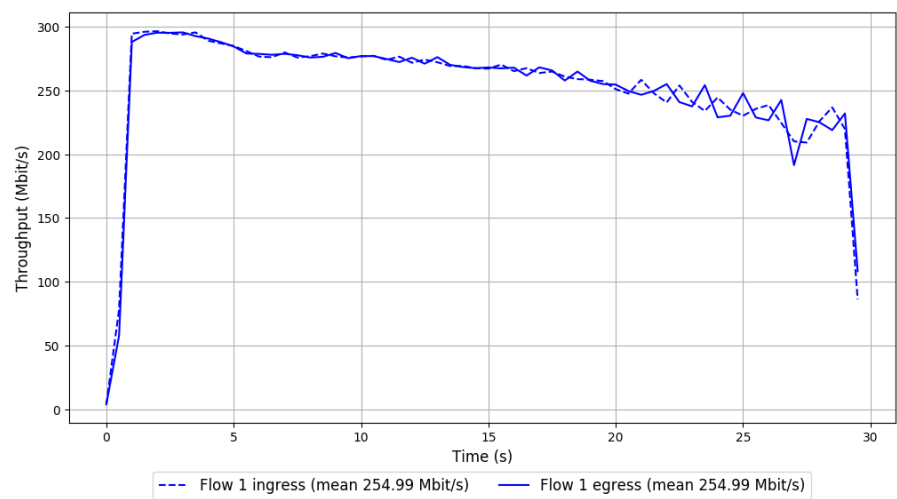
-- Flow 1:

Average throughput: 254.99 Mbit/s

95th percentile per-packet one-way delay: 51.421 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-06 05:56:25

End at: 2018-03-06 05:56:55

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.66 Mbit/s

95th percentile per-packet one-way delay: 50.780 ms

Loss rate: 0.00%

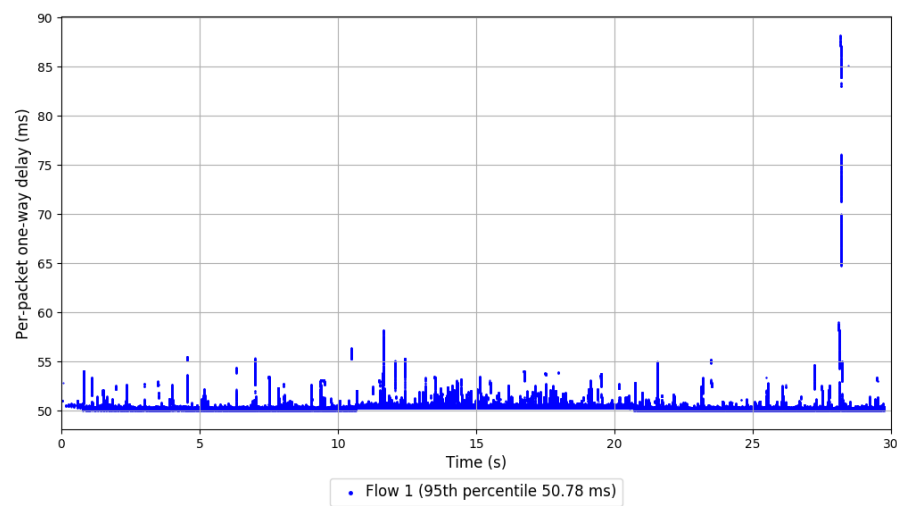
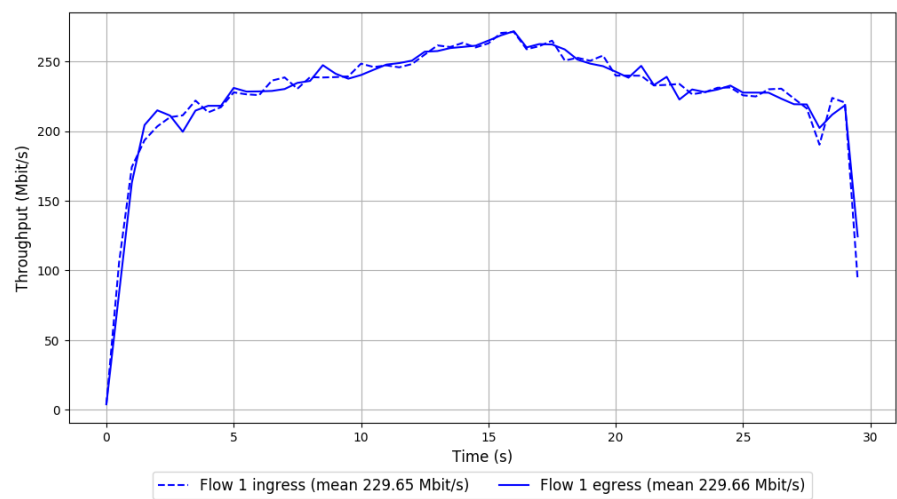
-- Flow 1:

Average throughput: 229.66 Mbit/s

95th percentile per-packet one-way delay: 50.780 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-06 03:56:12

End at: 2018-03-06 03:56:42

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.22 Mbit/s

95th percentile per-packet one-way delay: 110.330 ms

Loss rate: 0.00%

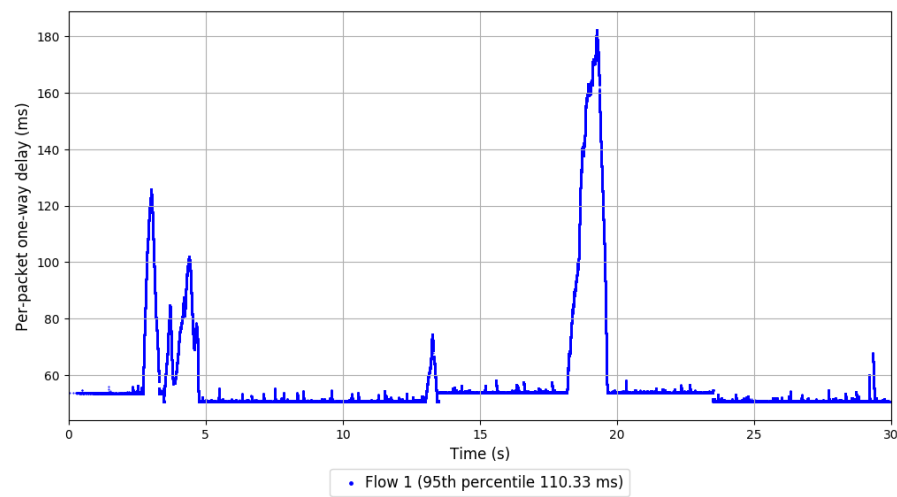
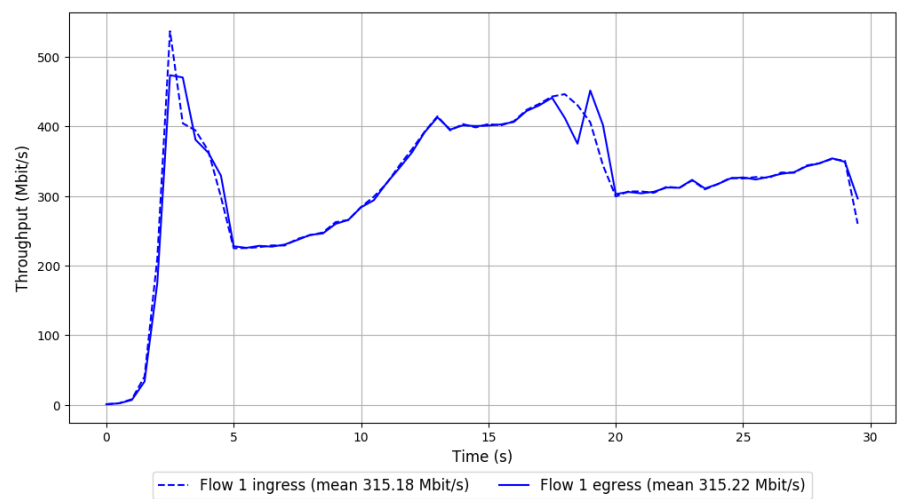
-- Flow 1:

Average throughput: 315.22 Mbit/s

95th percentile per-packet one-way delay: 110.330 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-03-06 04:10:34

End at: 2018-03-06 04:11:04

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.61 Mbit/s

95th percentile per-packet one-way delay: 129.581 ms

Loss rate: 0.01%

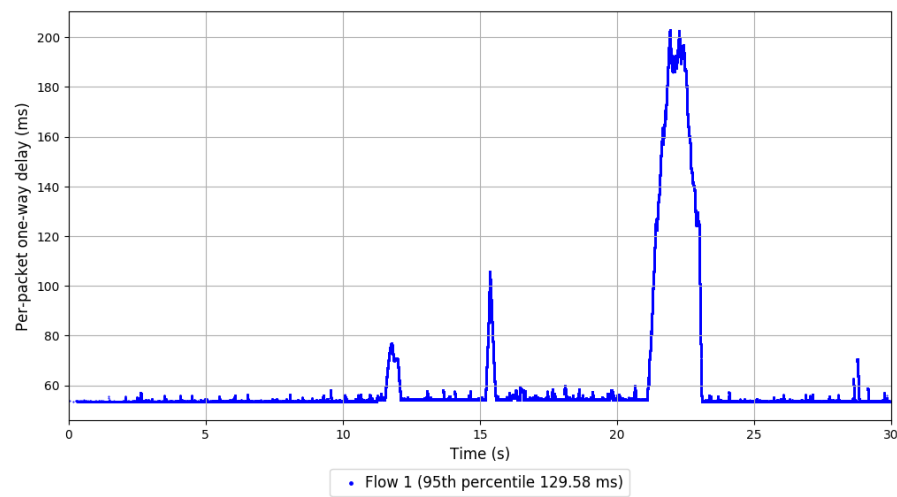
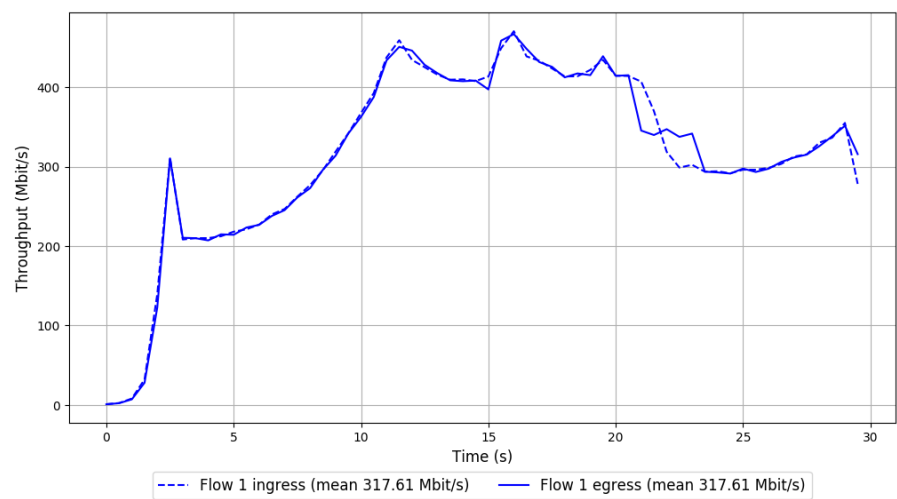
-- Flow 1:

Average throughput: 317.61 Mbit/s

95th percentile per-packet one-way delay: 129.581 ms

Loss rate: 0.01%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-06 04:25:14

End at: 2018-03-06 04:25:44

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.37 Mbit/s

95th percentile per-packet one-way delay: 104.496 ms

Loss rate: 0.08%

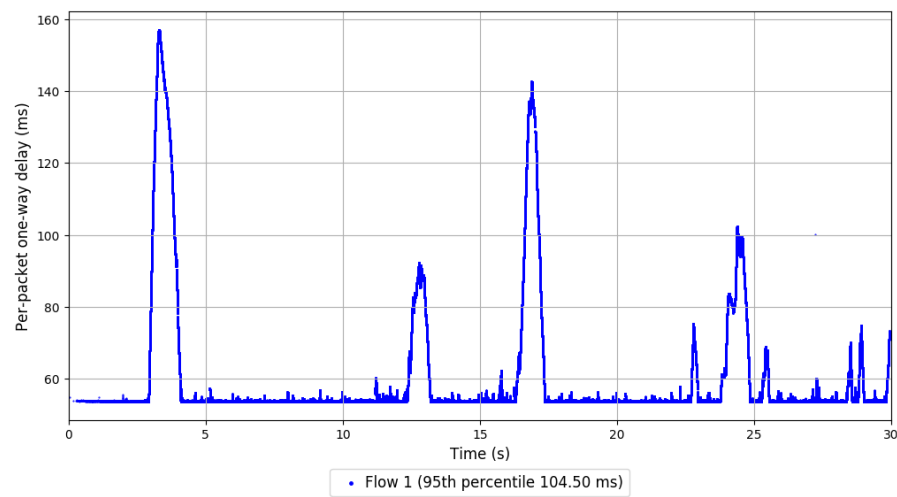
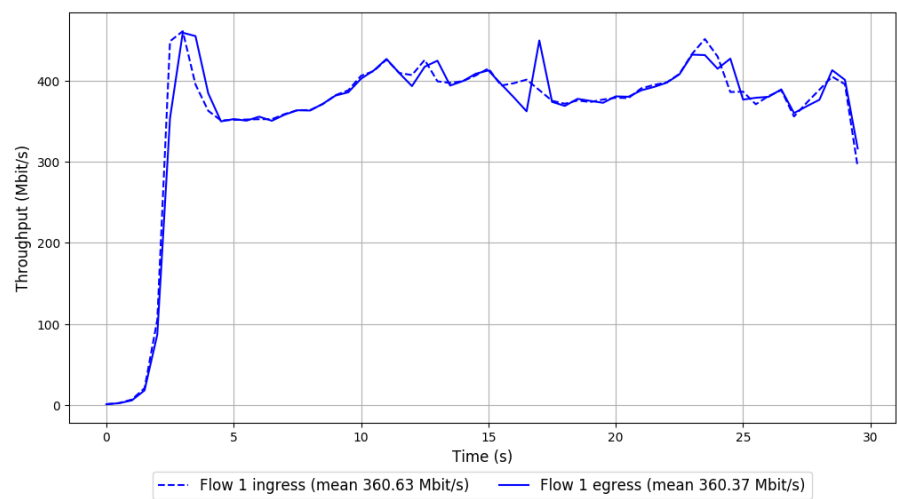
-- Flow 1:

Average throughput: 360.37 Mbit/s

95th percentile per-packet one-way delay: 104.496 ms

Loss rate: 0.08%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-06 04:39:45

End at: 2018-03-06 04:40:15

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.92 Mbit/s

95th percentile per-packet one-way delay: 193.496 ms

Loss rate: 1.46%

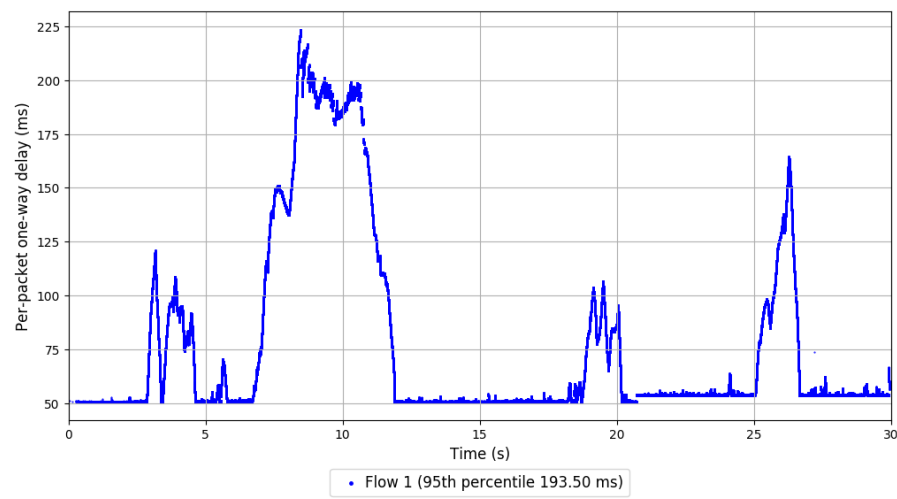
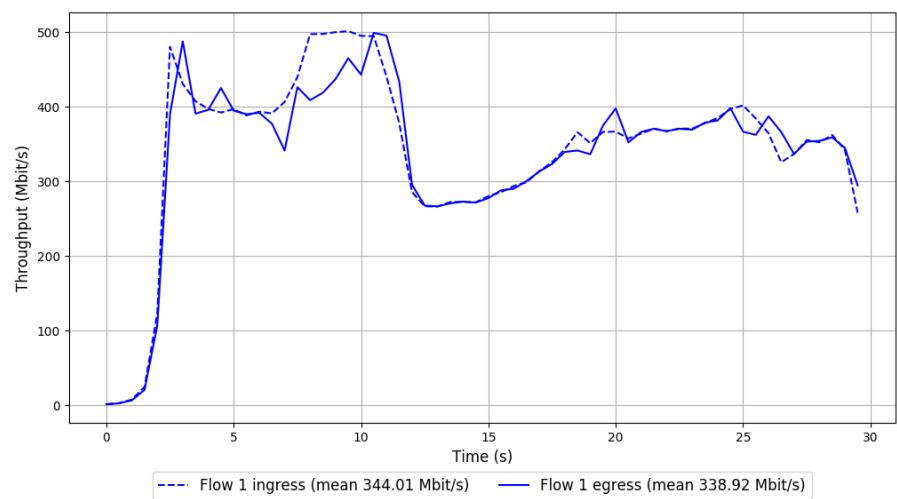
-- Flow 1:

Average throughput: 338.92 Mbit/s

95th percentile per-packet one-way delay: 193.496 ms

Loss rate: 1.46%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-03-06 04:54:01

End at: 2018-03-06 04:54:31

Below is generated by plot.py at 2018-03-06 08:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 288.28 Mbit/s

95th percentile per-packet one-way delay: 64.718 ms

Loss rate: 0.00%

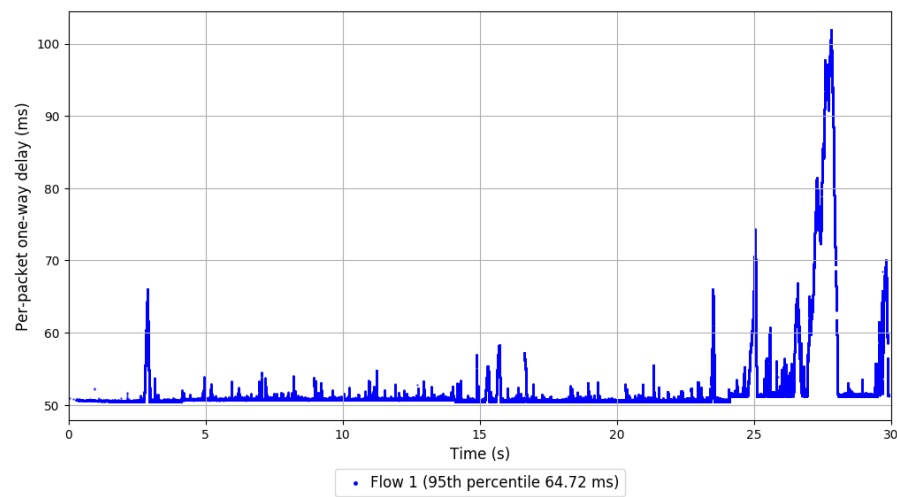
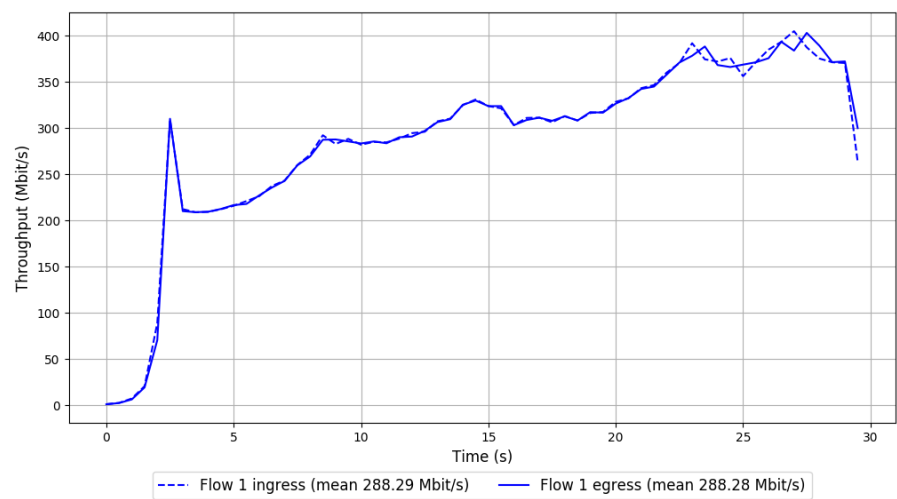
-- Flow 1:

Average throughput: 288.28 Mbit/s

95th percentile per-packet one-way delay: 64.718 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-06 05:08:35

End at: 2018-03-06 05:09:05

Below is generated by plot.py at 2018-03-06 08:55:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.05 Mbit/s

95th percentile per-packet one-way delay: 66.606 ms

Loss rate: 0.00%

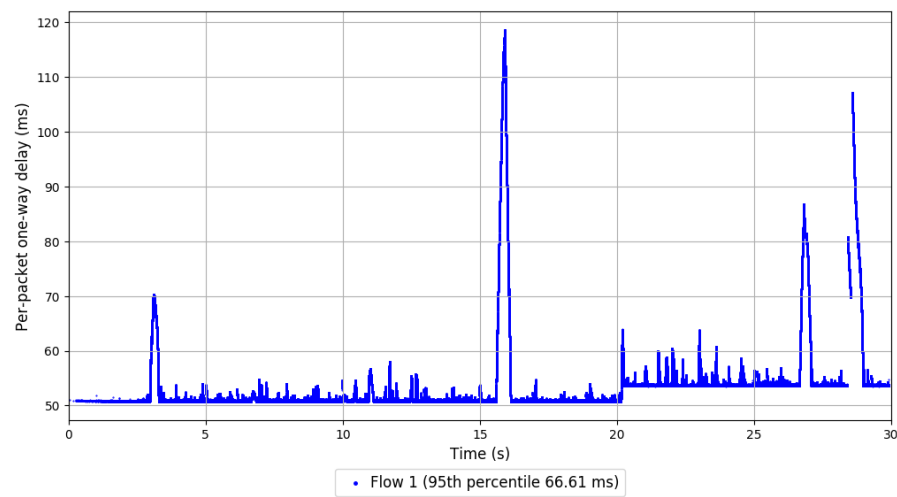
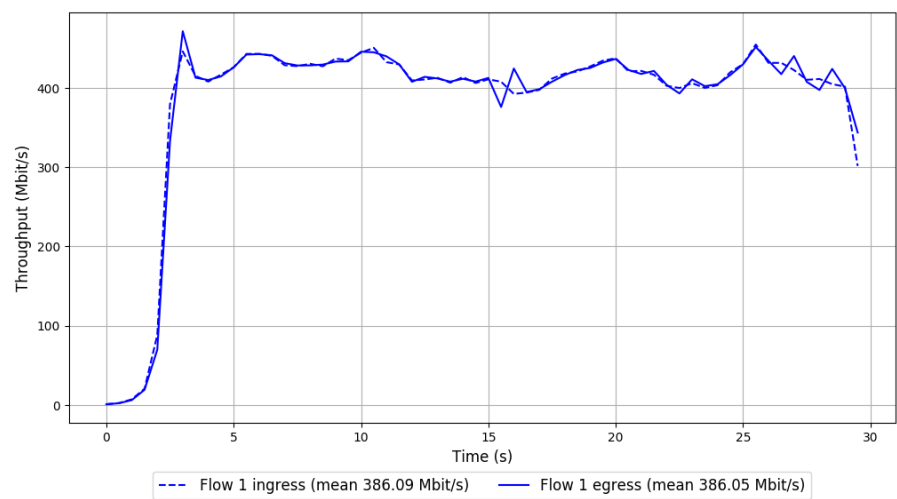
-- Flow 1:

Average throughput: 386.05 Mbit/s

95th percentile per-packet one-way delay: 66.606 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-06 05:23:08

End at: 2018-03-06 05:23:38

Below is generated by plot.py at 2018-03-06 08:57:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 303.27 Mbit/s

95th percentile per-packet one-way delay: 55.448 ms

Loss rate: 0.01%

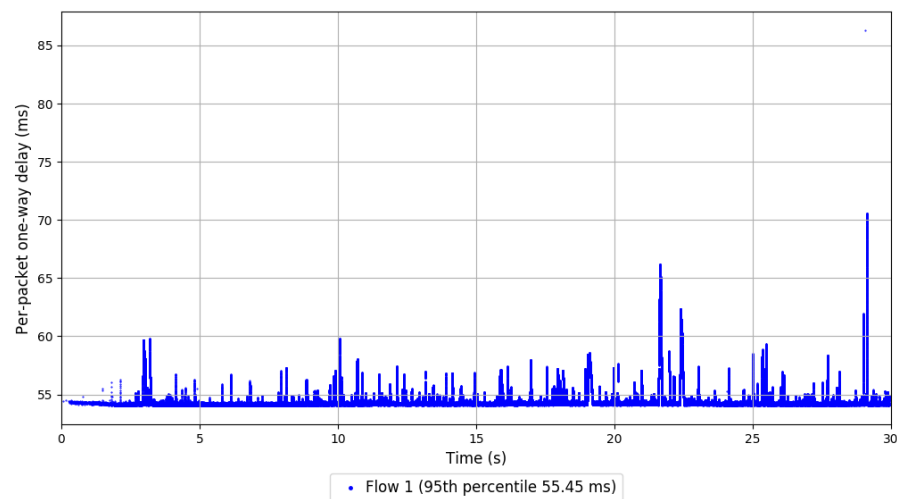
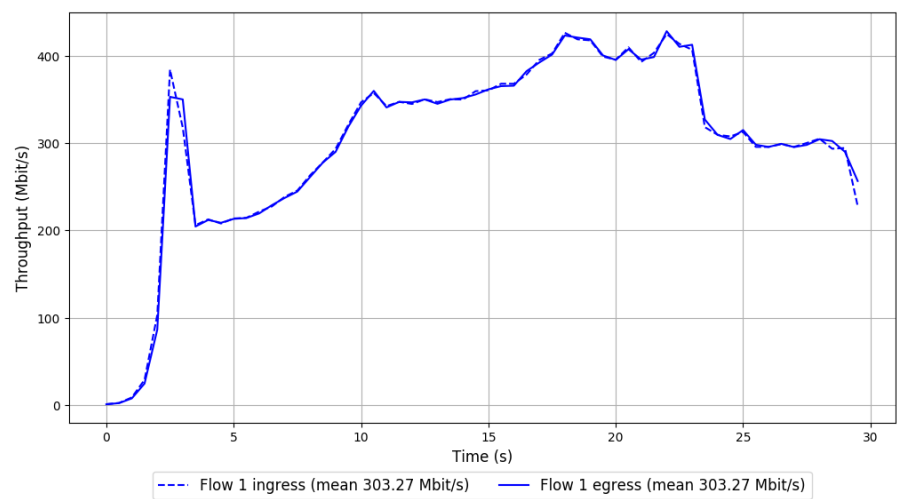
-- Flow 1:

Average throughput: 303.27 Mbit/s

95th percentile per-packet one-way delay: 55.448 ms

Loss rate: 0.01%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-06 05:37:24

End at: 2018-03-06 05:37:54

Below is generated by plot.py at 2018-03-06 08:57:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.11 Mbit/s

95th percentile per-packet one-way delay: 51.116 ms

Loss rate: 0.00%

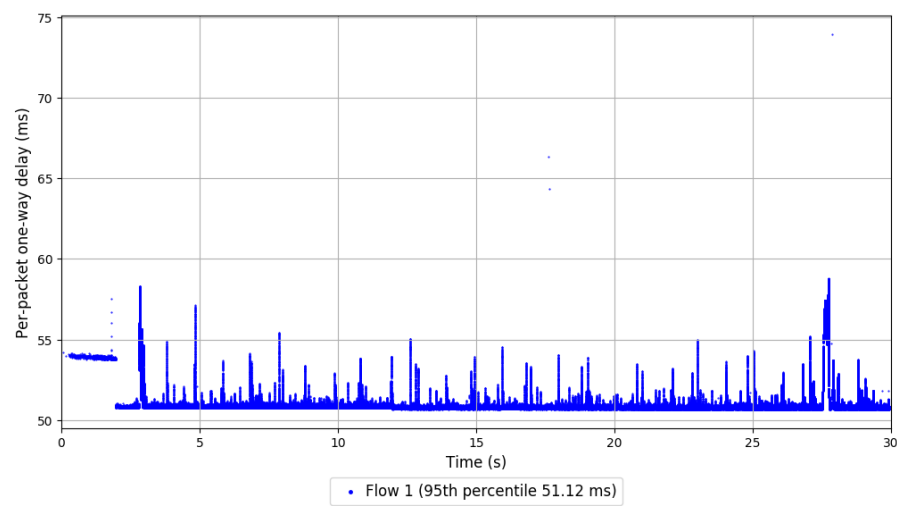
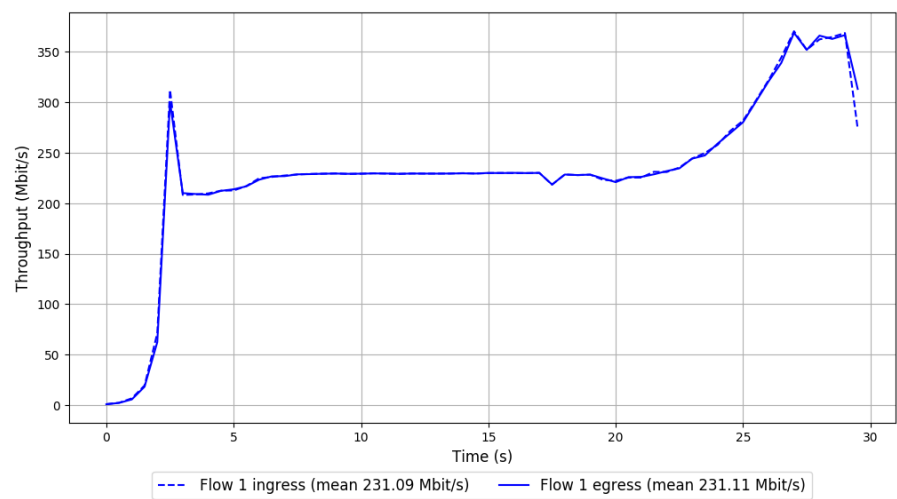
-- Flow 1:

Average throughput: 231.11 Mbit/s

95th percentile per-packet one-way delay: 51.116 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-03-06 05:51:58

End at: 2018-03-06 05:52:28

Below is generated by plot.py at 2018-03-06 08:58:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.14 Mbit/s

95th percentile per-packet one-way delay: 75.445 ms

Loss rate: 0.00%

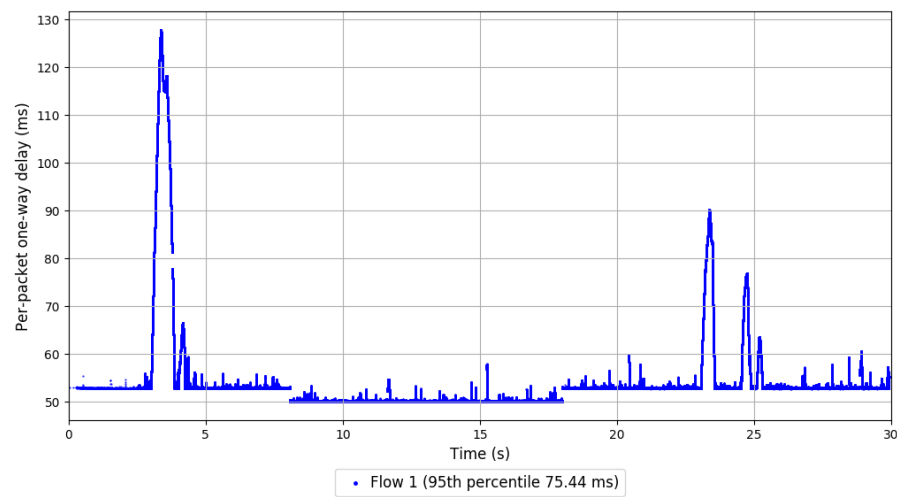
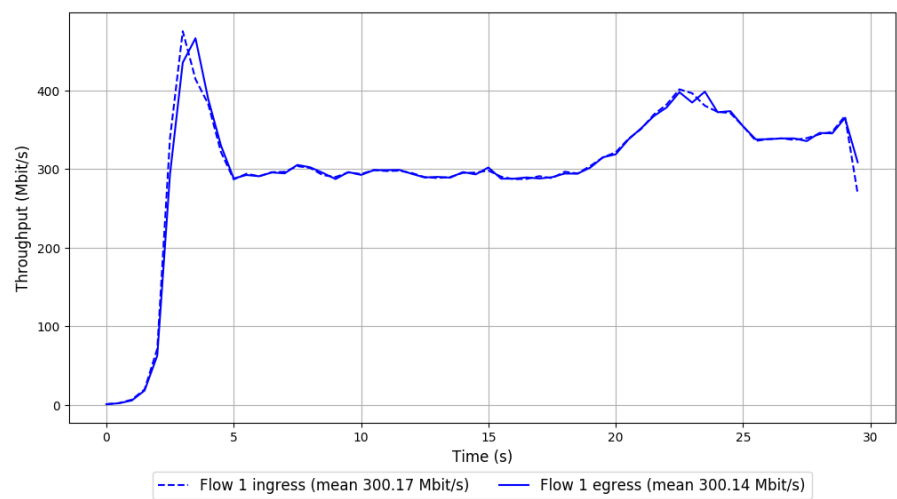
-- Flow 1:

Average throughput: 300.14 Mbit/s

95th percentile per-packet one-way delay: 75.445 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-03-06 06:06:18

End at: 2018-03-06 06:06:48

Below is generated by plot.py at 2018-03-06 08:59:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.52 Mbit/s

95th percentile per-packet one-way delay: 142.150 ms

Loss rate: 0.13%

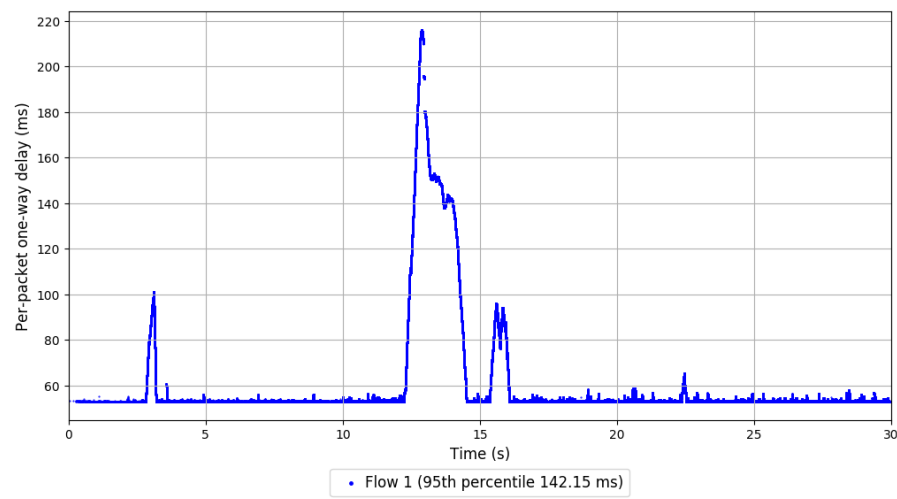
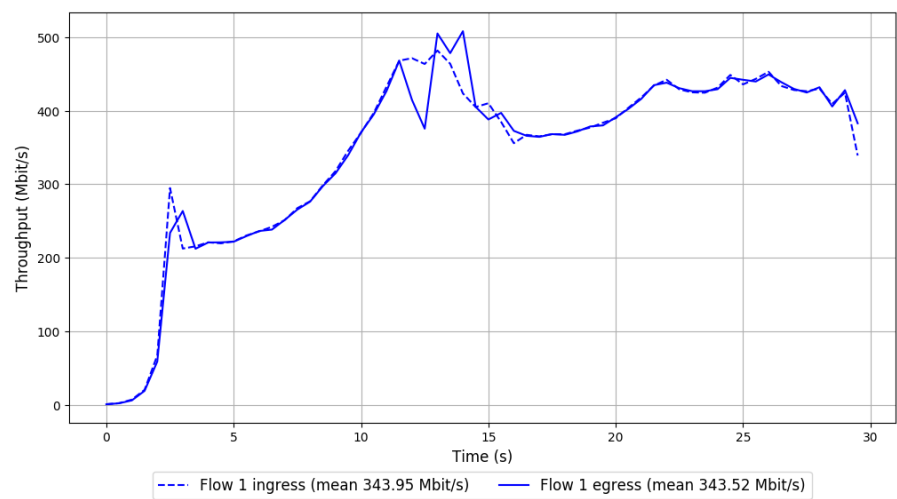
-- Flow 1:

Average throughput: 343.52 Mbit/s

95th percentile per-packet one-way delay: 142.150 ms

Loss rate: 0.13%

Run 10: Report of Vivace-latency — Data Link

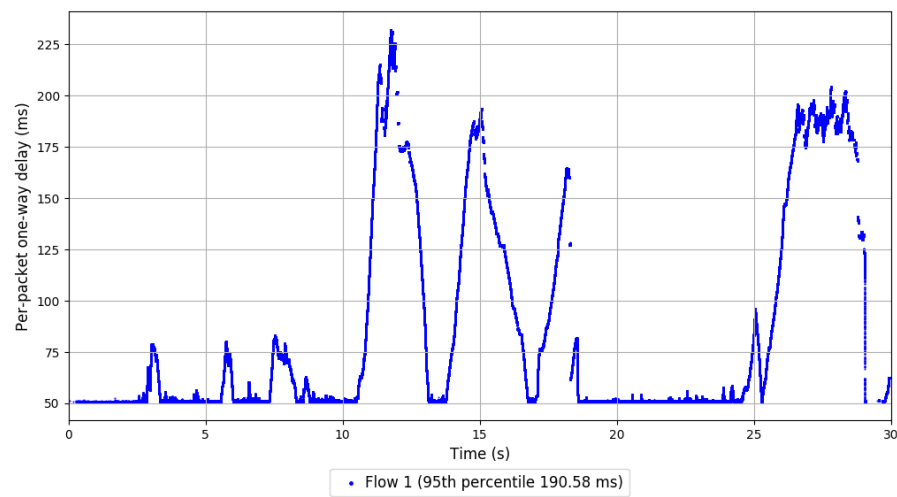
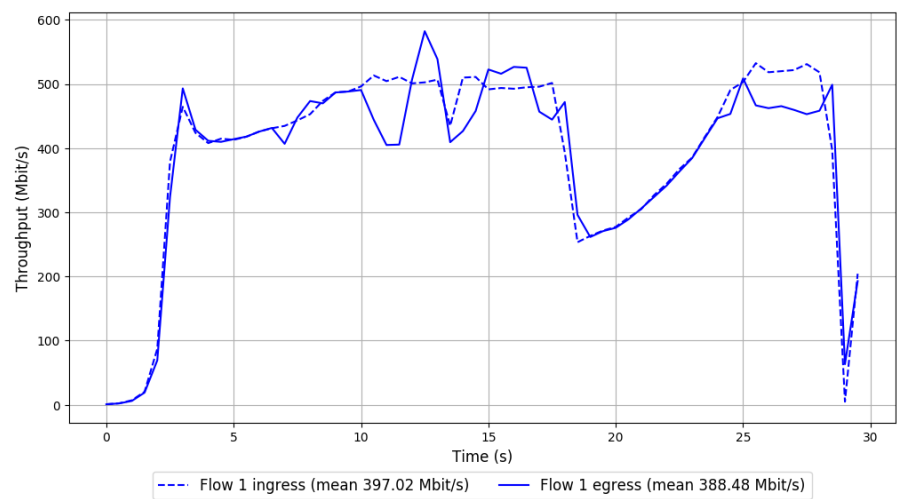


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-06 03:57:54
End at: 2018-03-06 03:58:24

# Below is generated by plot.py at 2018-03-06 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.48 Mbit/s
95th percentile per-packet one-way delay: 190.577 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 388.48 Mbit/s
95th percentile per-packet one-way delay: 190.577 ms
Loss rate: 2.15%
```

Run 1: Report of Vivace-loss — Data Link

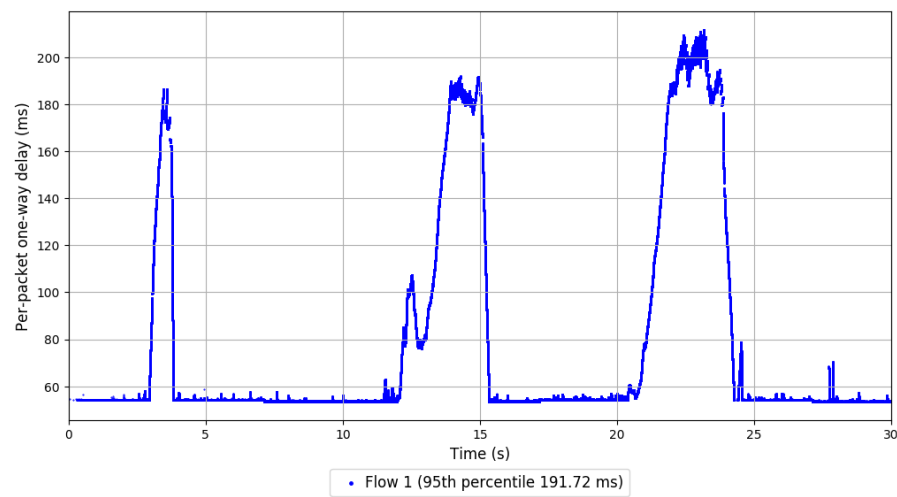
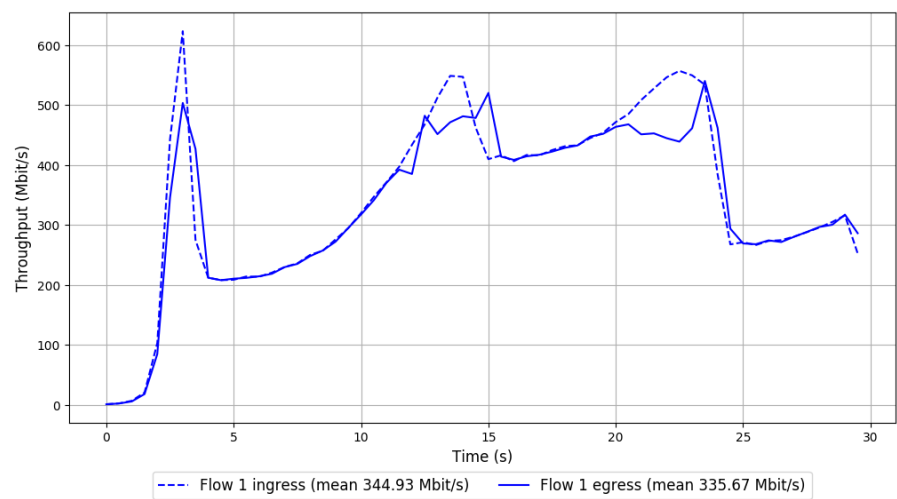


```
Run 2: Statistics of Vivace-loss

Start at: 2018-03-06 04:12:28
End at: 2018-03-06 04:12:58

# Below is generated by plot.py at 2018-03-06 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 335.67 Mbit/s
95th percentile per-packet one-way delay: 191.723 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 335.67 Mbit/s
95th percentile per-packet one-way delay: 191.723 ms
Loss rate: 2.69%
```

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-06 04:27:00

End at: 2018-03-06 04:27:30

Below is generated by plot.py at 2018-03-06 09:02:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.40 Mbit/s

95th percentile per-packet one-way delay: 189.737 ms

Loss rate: 3.72%

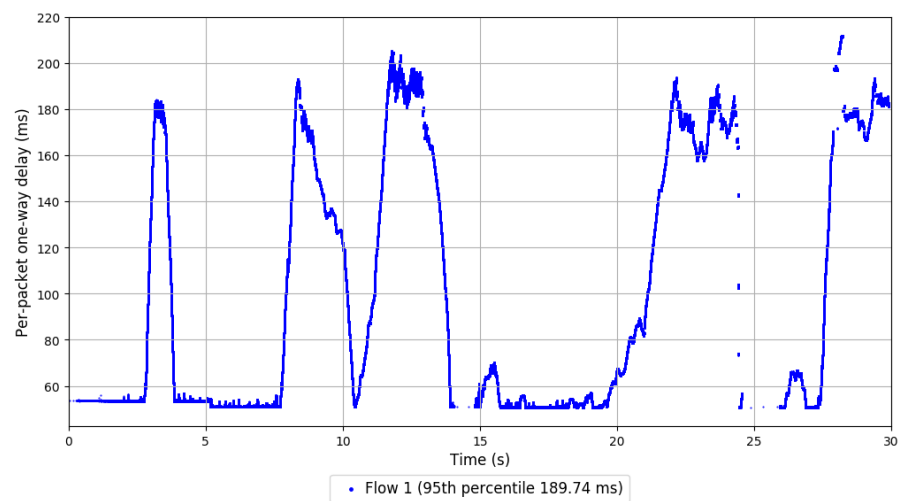
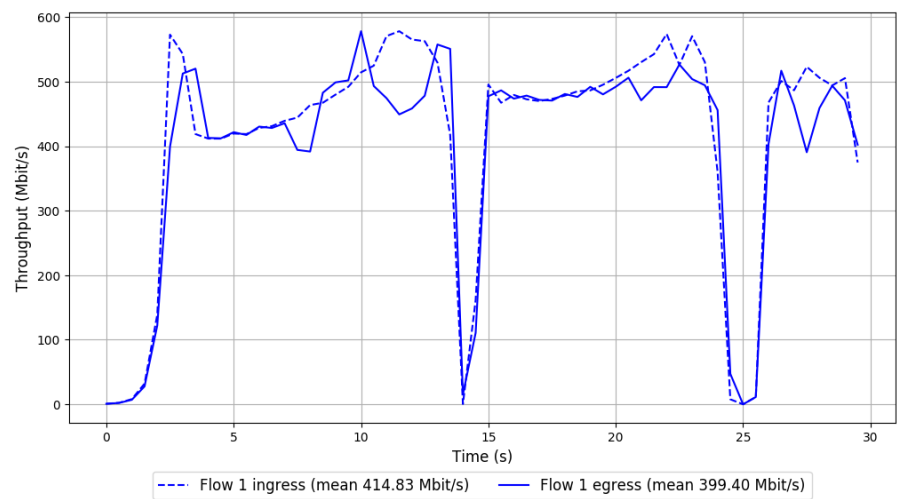
-- Flow 1:

Average throughput: 399.40 Mbit/s

95th percentile per-packet one-way delay: 189.737 ms

Loss rate: 3.72%

Run 3: Report of Vivace-loss — Data Link

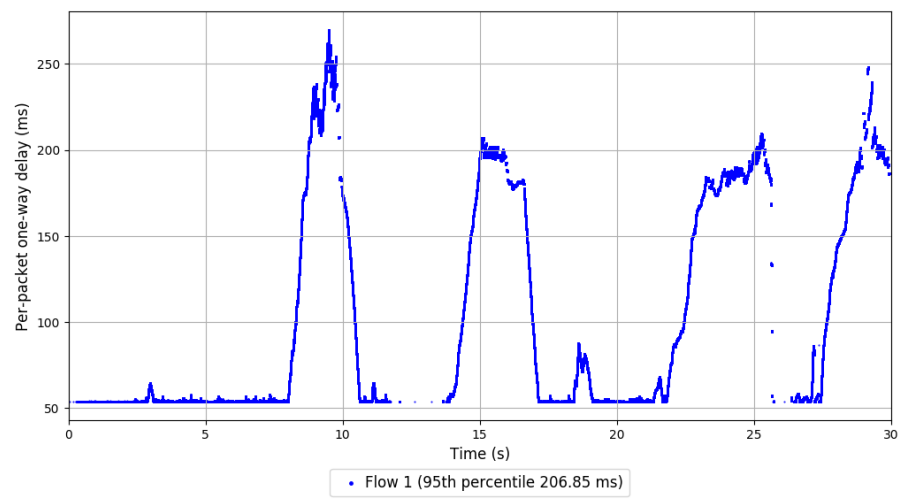
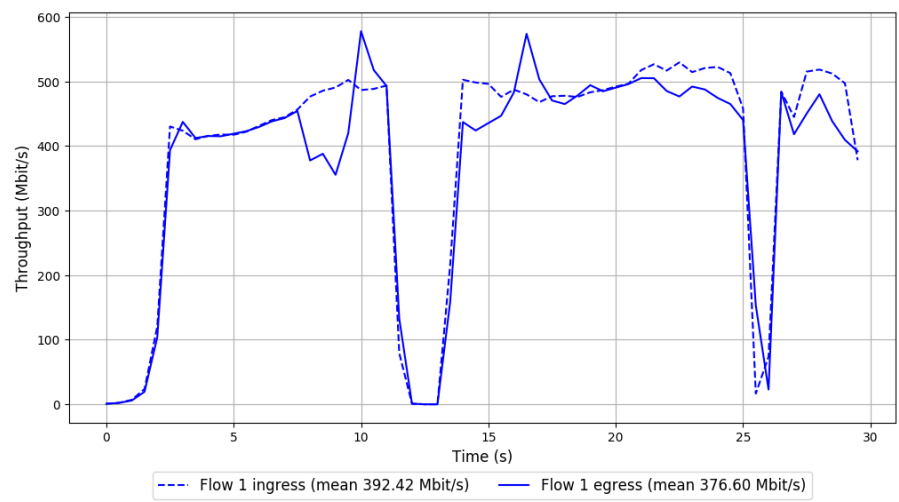


```
Run 4: Statistics of Vivace-loss

Start at: 2018-03-06 04:41:24
End at: 2018-03-06 04:41:54

# Below is generated by plot.py at 2018-03-06 09:02:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 376.60 Mbit/s
95th percentile per-packet one-way delay: 206.855 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 376.60 Mbit/s
95th percentile per-packet one-way delay: 206.855 ms
Loss rate: 4.03%
```

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-06 04:55:42

End at: 2018-03-06 04:56:12

Below is generated by plot.py at 2018-03-06 09:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 369.18 Mbit/s

95th percentile per-packet one-way delay: 100.167 ms

Loss rate: 0.03%

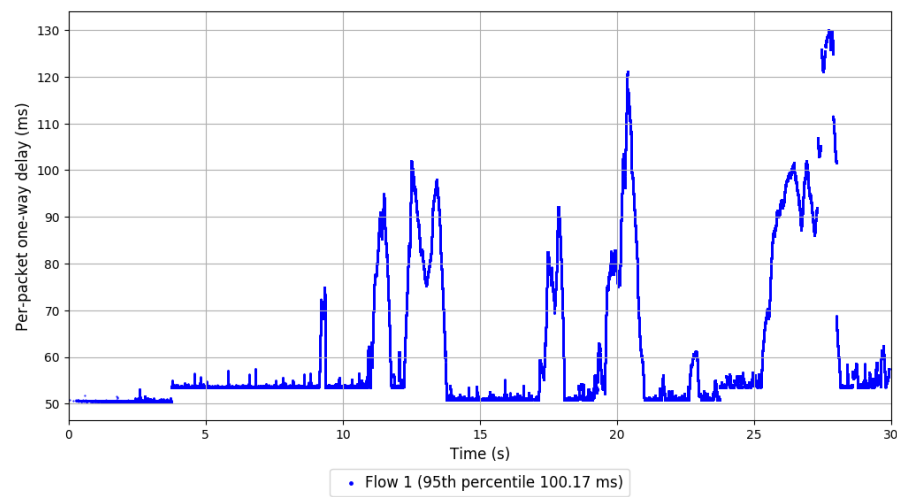
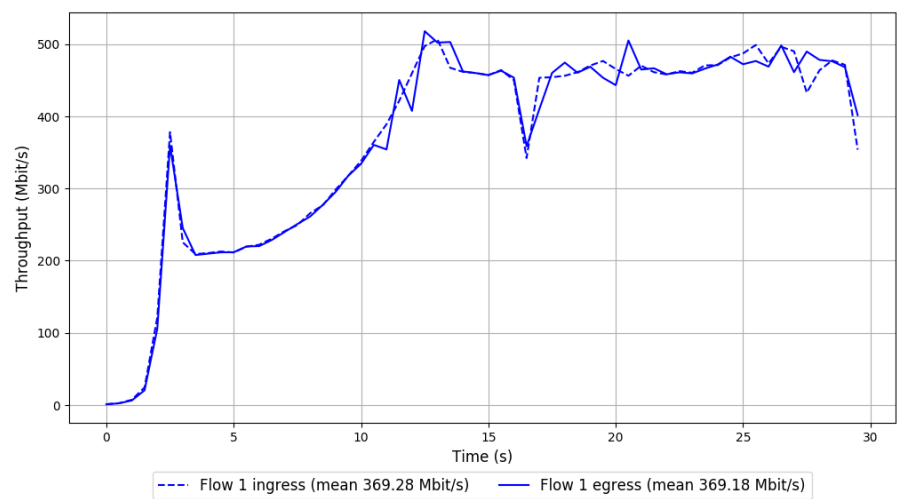
-- Flow 1:

Average throughput: 369.18 Mbit/s

95th percentile per-packet one-way delay: 100.167 ms

Loss rate: 0.03%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-06 05:10:19

End at: 2018-03-06 05:10:49

Below is generated by plot.py at 2018-03-06 09:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.59 Mbit/s

95th percentile per-packet one-way delay: 191.968 ms

Loss rate: 4.12%

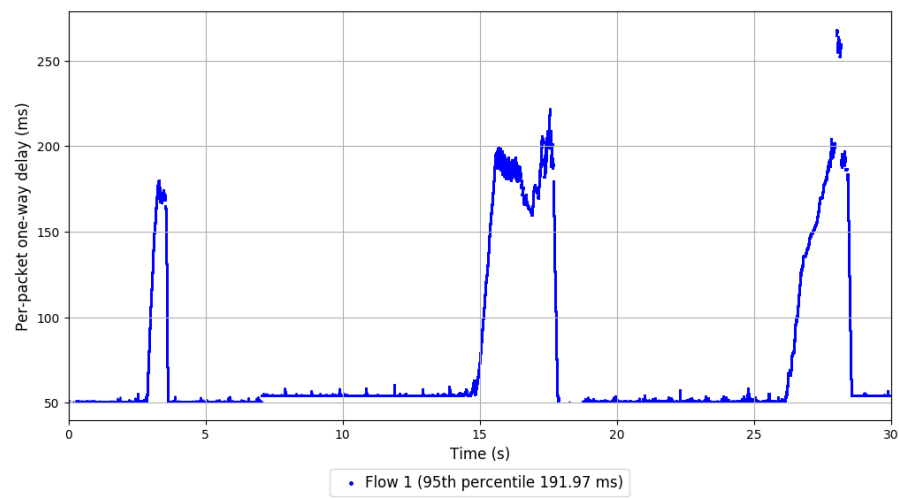
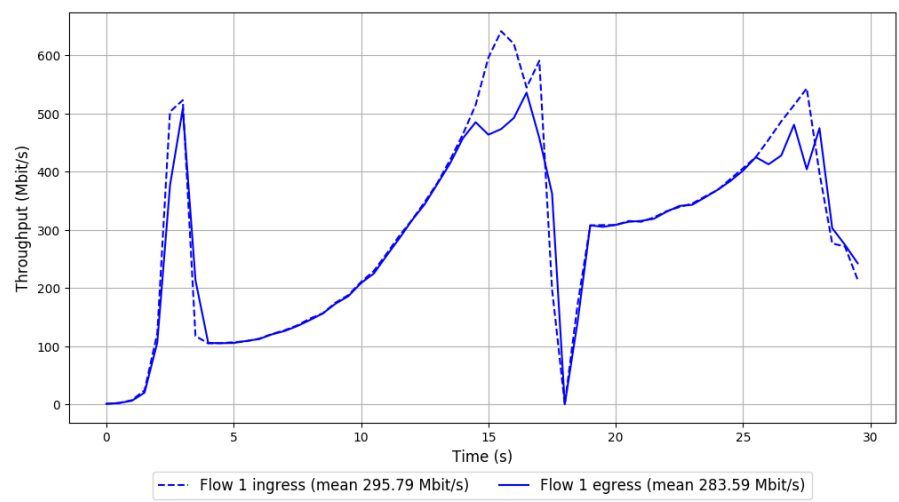
-- Flow 1:

Average throughput: 283.59 Mbit/s

95th percentile per-packet one-way delay: 191.968 ms

Loss rate: 4.12%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-06 05:24:49

End at: 2018-03-06 05:25:19

Below is generated by plot.py at 2018-03-06 09:06:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.70 Mbit/s

95th percentile per-packet one-way delay: 196.560 ms

Loss rate: 4.03%

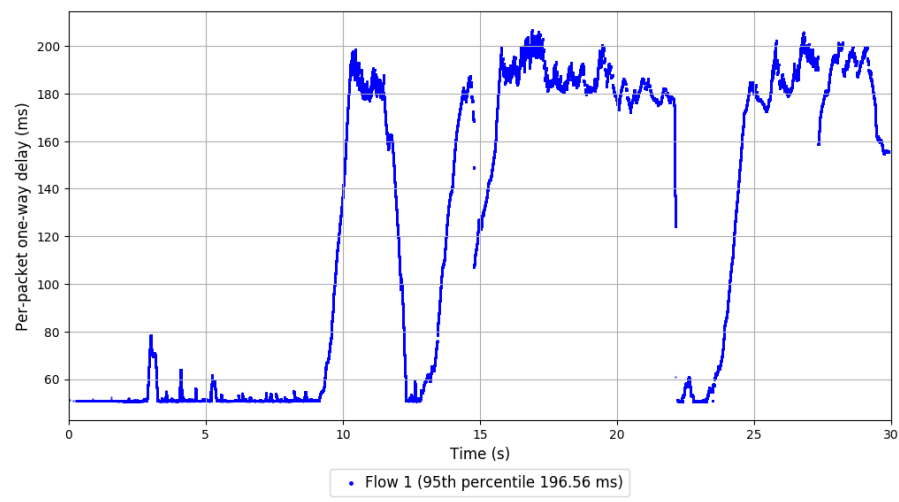
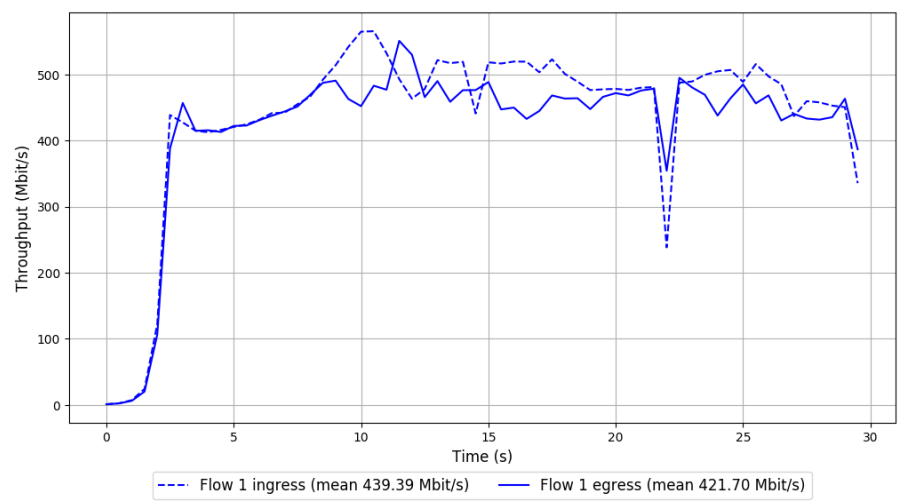
-- Flow 1:

Average throughput: 421.70 Mbit/s

95th percentile per-packet one-way delay: 196.560 ms

Loss rate: 4.03%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-06 05:39:00

End at: 2018-03-06 05:39:30

Below is generated by plot.py at 2018-03-06 09:06:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.01 Mbit/s

95th percentile per-packet one-way delay: 189.845 ms

Loss rate: 1.24%

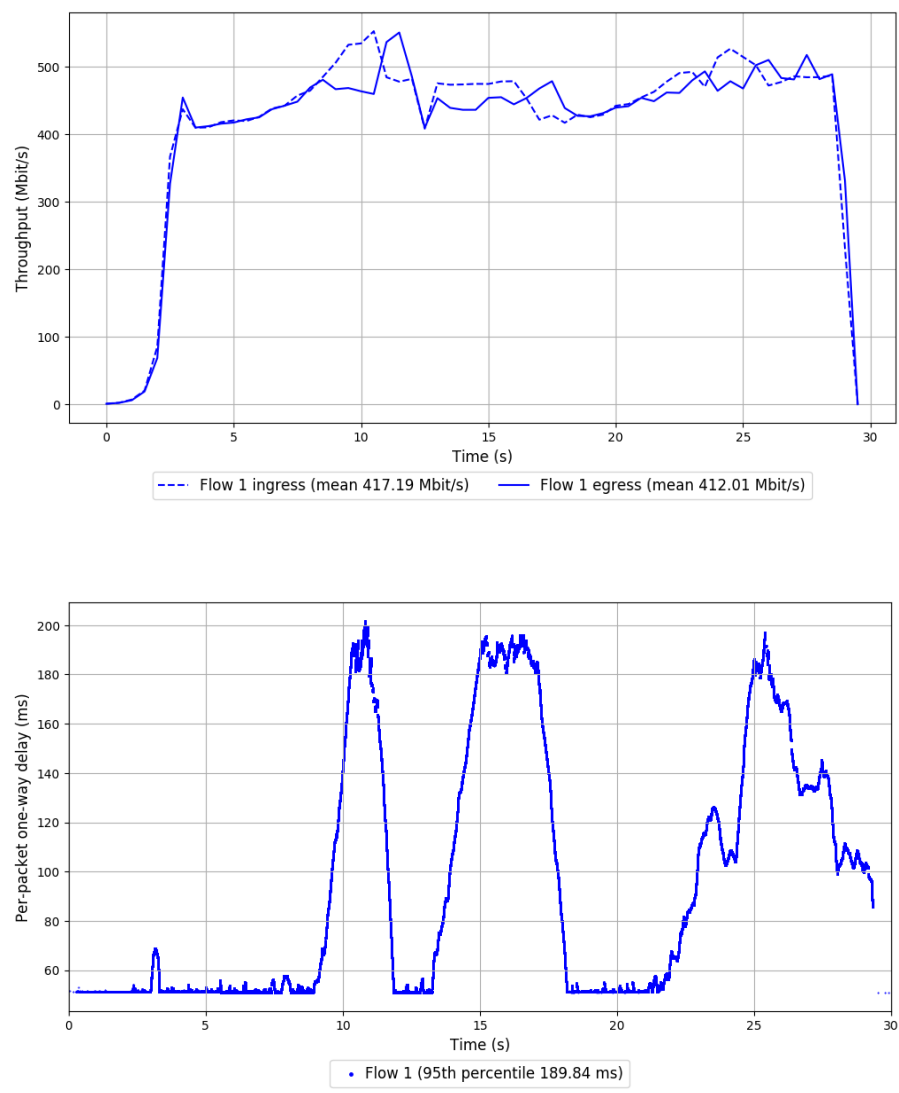
-- Flow 1:

Average throughput: 412.01 Mbit/s

95th percentile per-packet one-way delay: 189.845 ms

Loss rate: 1.24%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-03-06 05:53:38

End at: 2018-03-06 05:54:08

Below is generated by plot.py at 2018-03-06 09:06:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.97 Mbit/s

95th percentile per-packet one-way delay: 200.966 ms

Loss rate: 3.26%

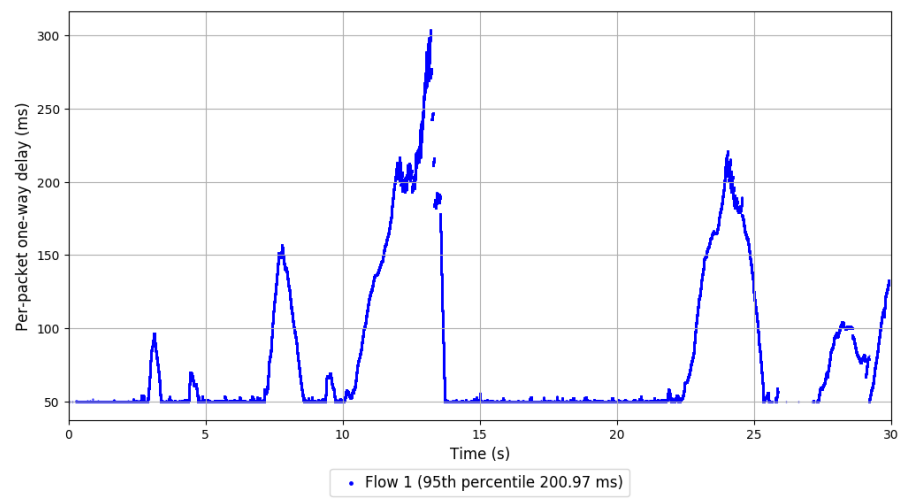
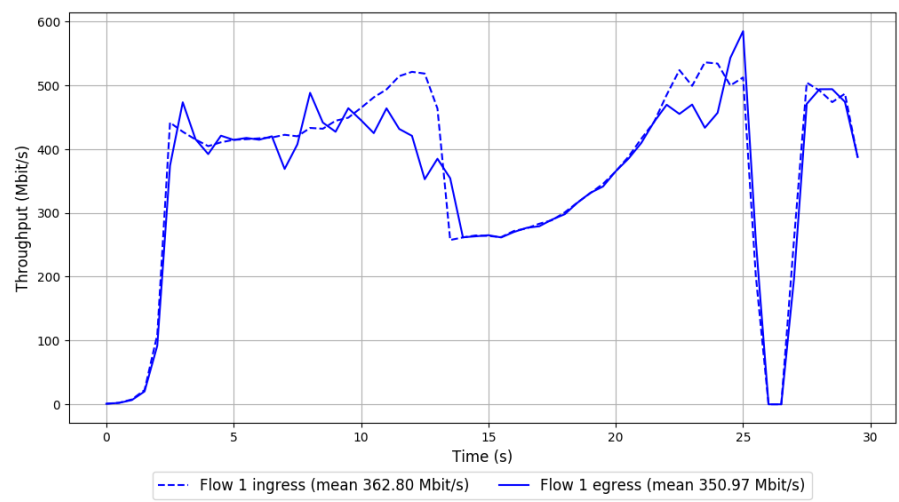
-- Flow 1:

Average throughput: 350.97 Mbit/s

95th percentile per-packet one-way delay: 200.966 ms

Loss rate: 3.26%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-06 06:08:01

End at: 2018-03-06 06:08:31

Below is generated by plot.py at 2018-03-06 09:08:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.73 Mbit/s

95th percentile per-packet one-way delay: 185.405 ms

Loss rate: 1.50%

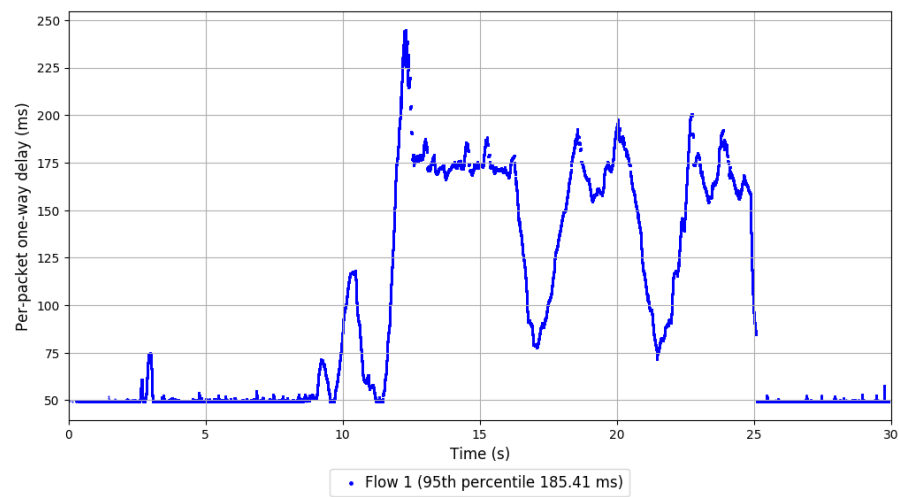
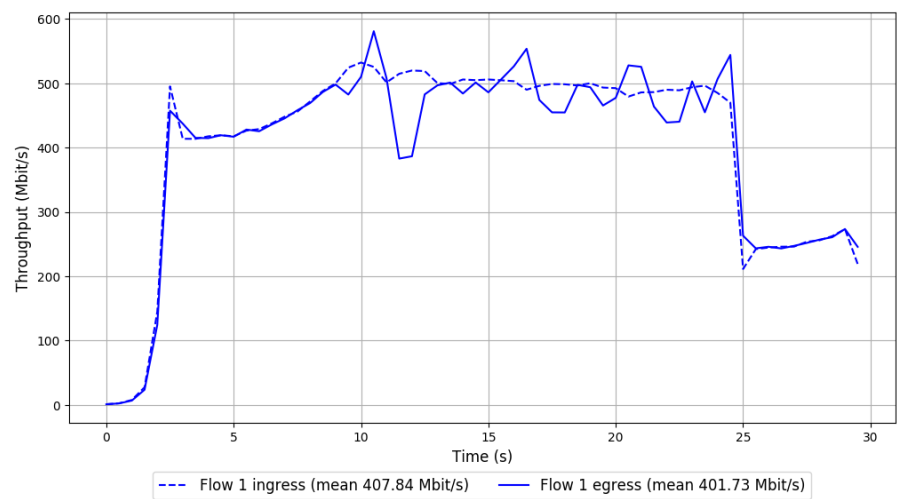
-- Flow 1:

Average throughput: 401.73 Mbit/s

95th percentile per-packet one-way delay: 185.405 ms

Loss rate: 1.50%

Run 10: Report of Vivace-loss — Data Link

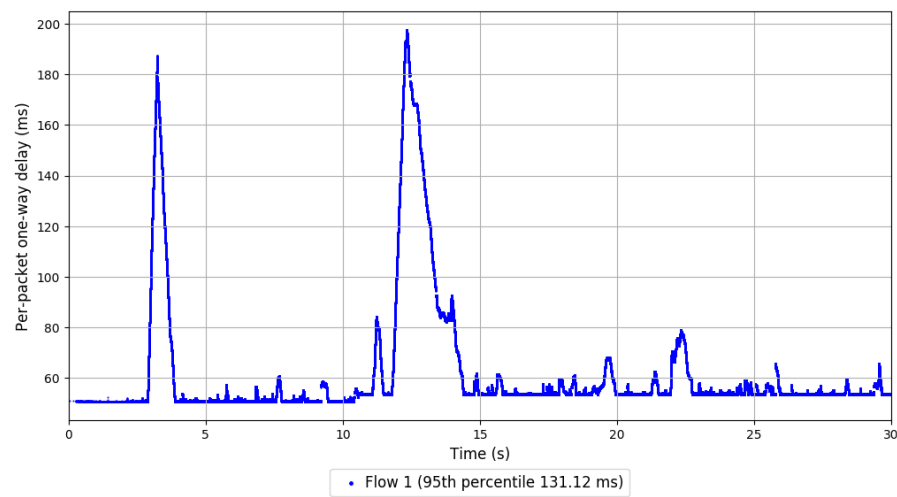
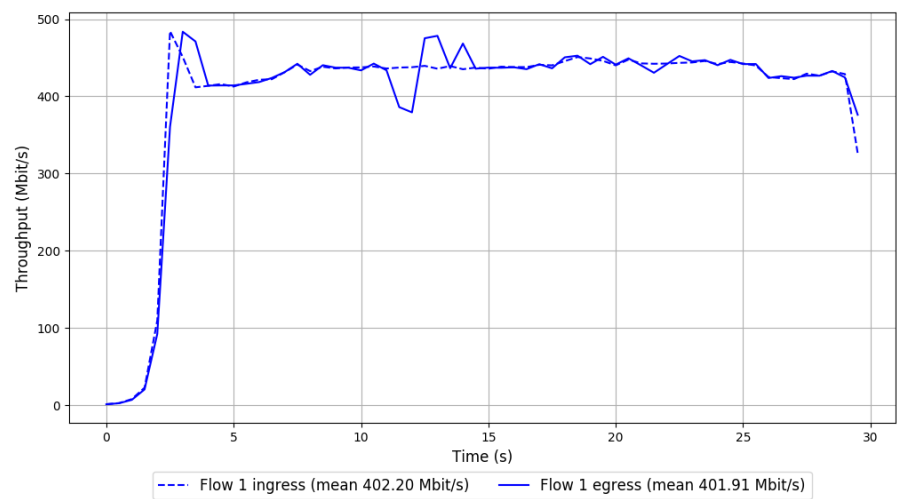


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-03-06 03:58:55
End at: 2018-03-06 03:59:25

# Below is generated by plot.py at 2018-03-06 09:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 401.91 Mbit/s
95th percentile per-packet one-way delay: 131.116 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 401.91 Mbit/s
95th percentile per-packet one-way delay: 131.116 ms
Loss rate: 0.06%
```

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-03-06 04:13:26

End at: 2018-03-06 04:13:56

Below is generated by plot.py at 2018-03-06 09:09:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.95 Mbit/s

95th percentile per-packet one-way delay: 163.107 ms

Loss rate: 0.21%

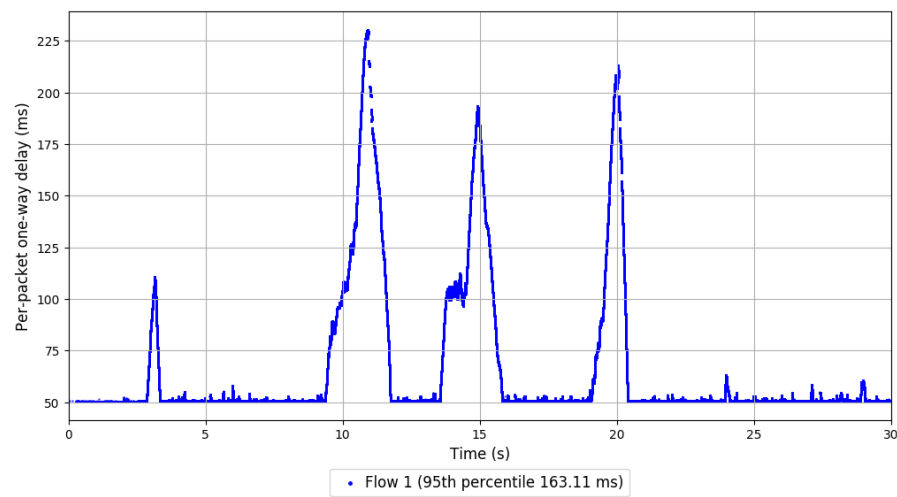
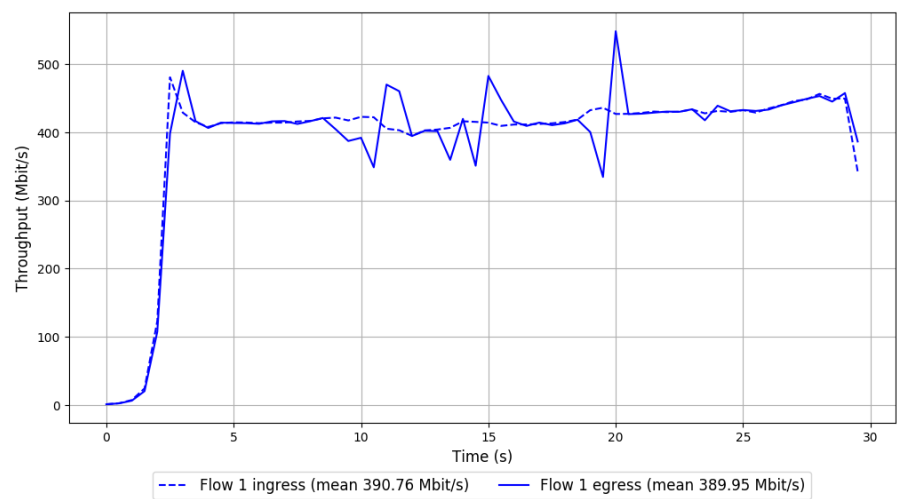
-- Flow 1:

Average throughput: 389.95 Mbit/s

95th percentile per-packet one-way delay: 163.107 ms

Loss rate: 0.21%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-03-06 04:28:02

End at: 2018-03-06 04:28:32

Below is generated by plot.py at 2018-03-06 09:09:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.09 Mbit/s

95th percentile per-packet one-way delay: 186.045 ms

Loss rate: 0.33%

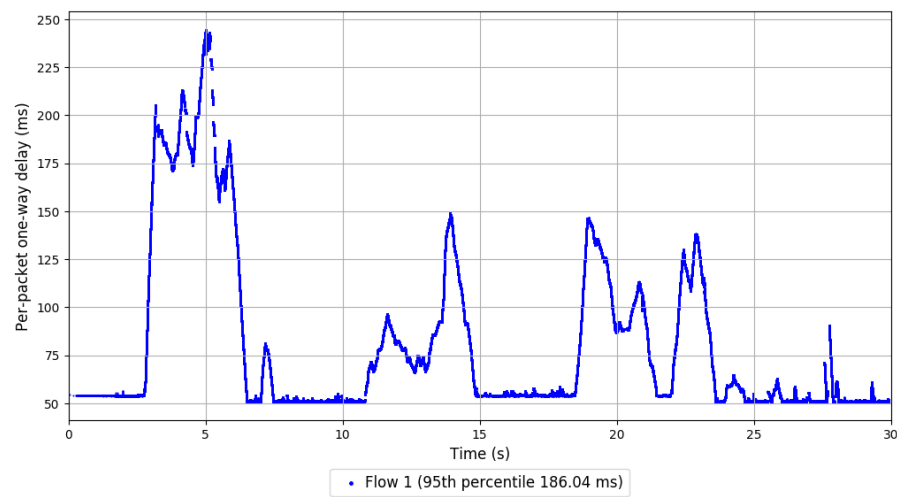
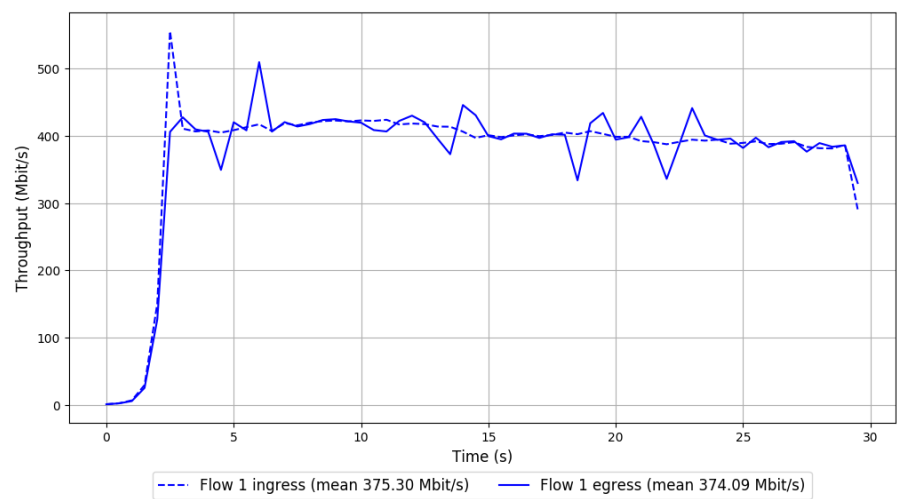
-- Flow 1:

Average throughput: 374.09 Mbit/s

95th percentile per-packet one-way delay: 186.045 ms

Loss rate: 0.33%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-06 04:42:24

End at: 2018-03-06 04:42:54

Below is generated by plot.py at 2018-03-06 09:09:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 393.57 Mbit/s

95th percentile per-packet one-way delay: 205.315 ms

Loss rate: 1.31%

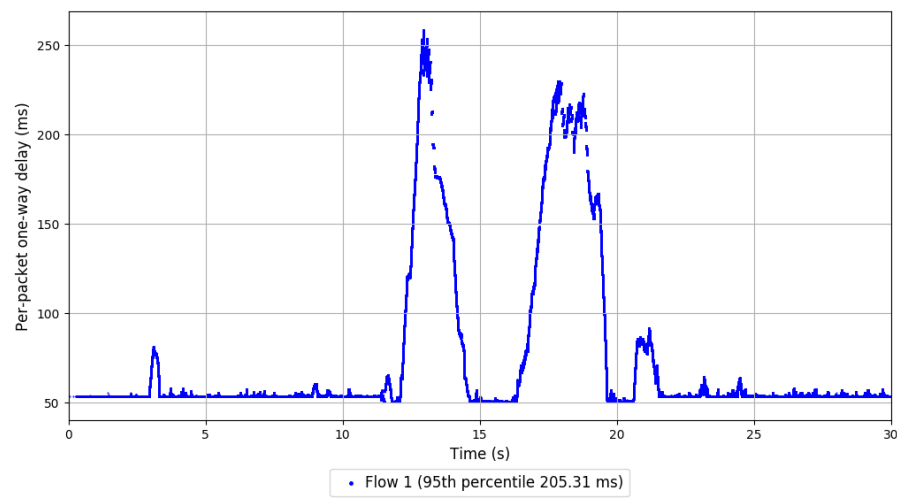
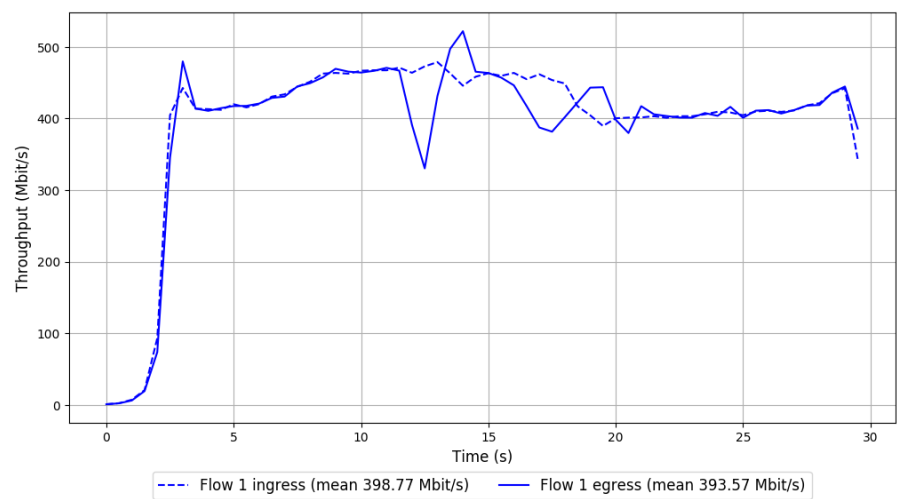
-- Flow 1:

Average throughput: 393.57 Mbit/s

95th percentile per-packet one-way delay: 205.315 ms

Loss rate: 1.31%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-06 04:56:42

End at: 2018-03-06 04:57:12

Below is generated by plot.py at 2018-03-06 09:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.17 Mbit/s

95th percentile per-packet one-way delay: 121.489 ms

Loss rate: 0.04%

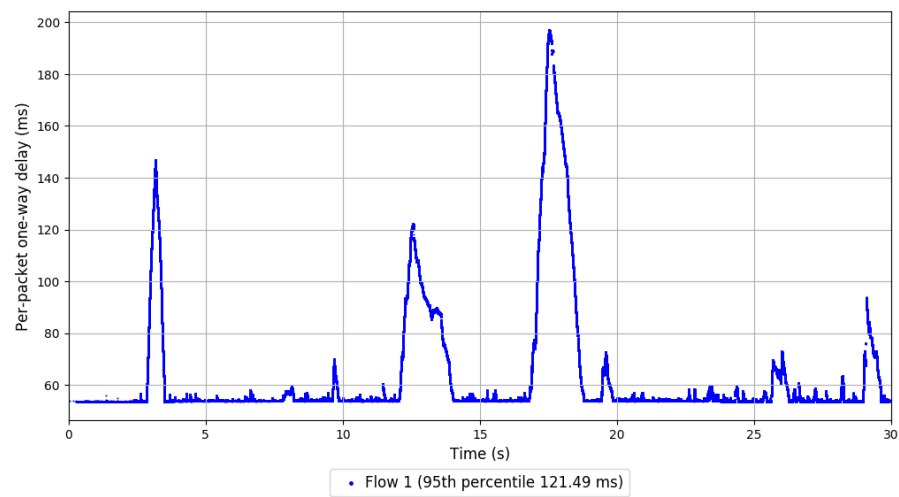
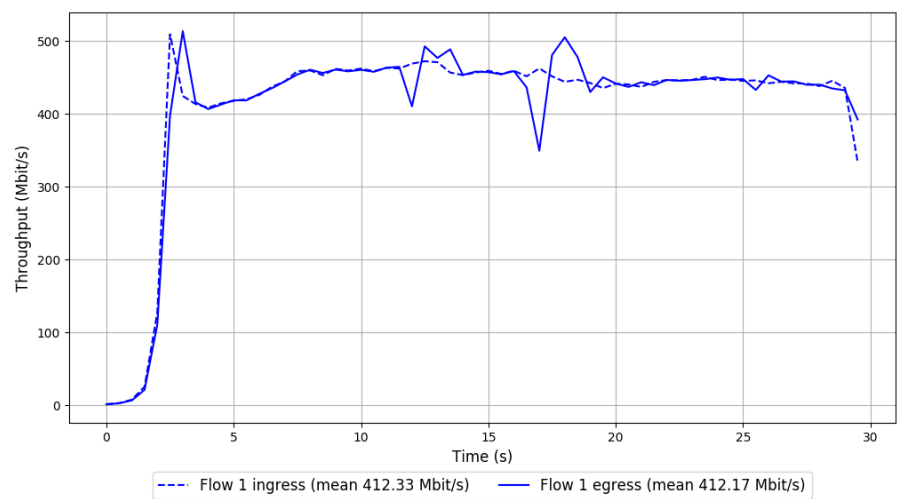
-- Flow 1:

Average throughput: 412.17 Mbit/s

95th percentile per-packet one-way delay: 121.489 ms

Loss rate: 0.04%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-06 05:11:14

End at: 2018-03-06 05:11:44

Below is generated by plot.py at 2018-03-06 09:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.68 Mbit/s

95th percentile per-packet one-way delay: 222.427 ms

Loss rate: 1.65%

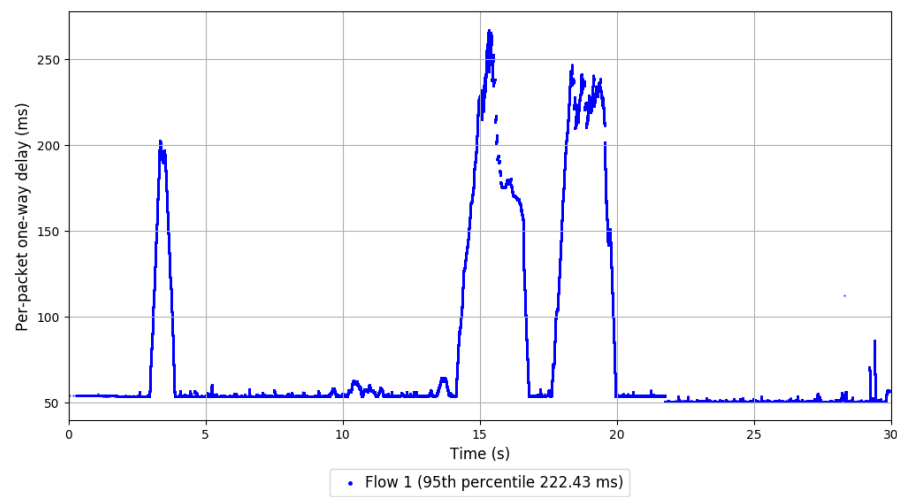
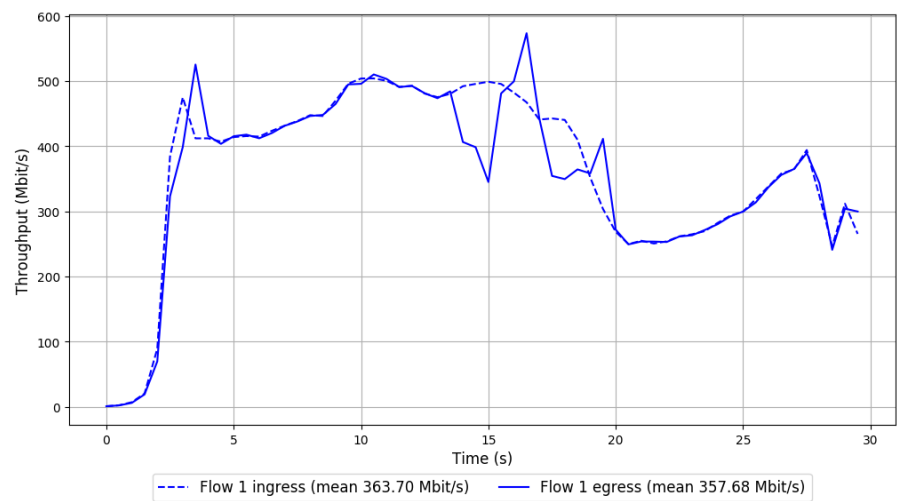
-- Flow 1:

Average throughput: 357.68 Mbit/s

95th percentile per-packet one-way delay: 222.427 ms

Loss rate: 1.65%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-06 05:25:52

End at: 2018-03-06 05:26:22

Below is generated by plot.py at 2018-03-06 09:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.15 Mbit/s

95th percentile per-packet one-way delay: 181.699 ms

Loss rate: 0.38%

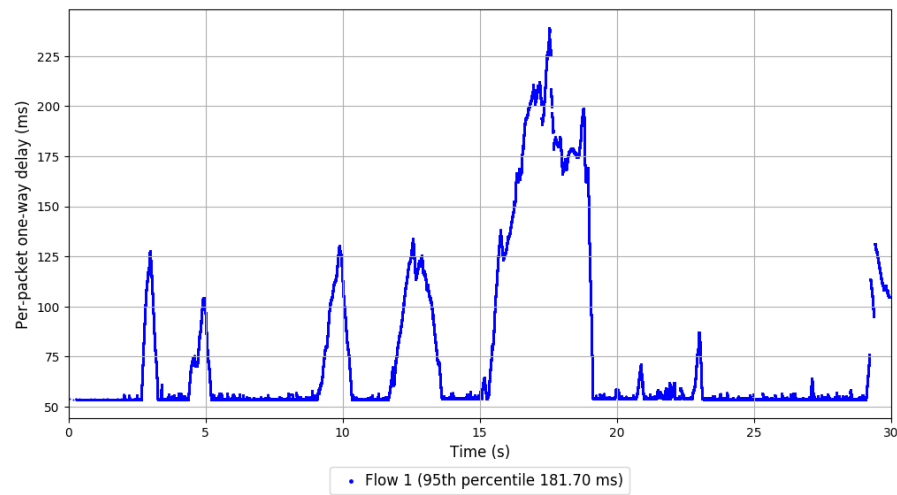
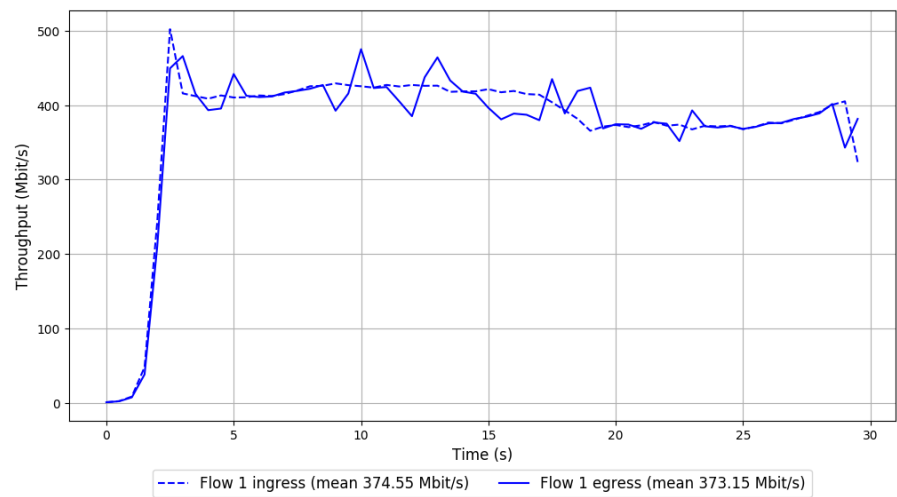
-- Flow 1:

Average throughput: 373.15 Mbit/s

95th percentile per-packet one-way delay: 181.699 ms

Loss rate: 0.38%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-06 05:40:02

End at: 2018-03-06 05:40:32

Below is generated by plot.py at 2018-03-06 09:13:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.69 Mbit/s

95th percentile per-packet one-way delay: 231.484 ms

Loss rate: 1.89%

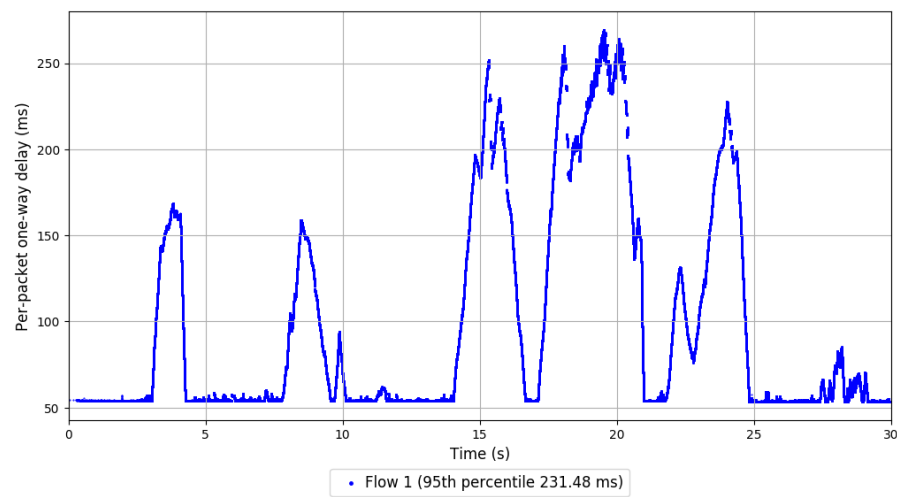
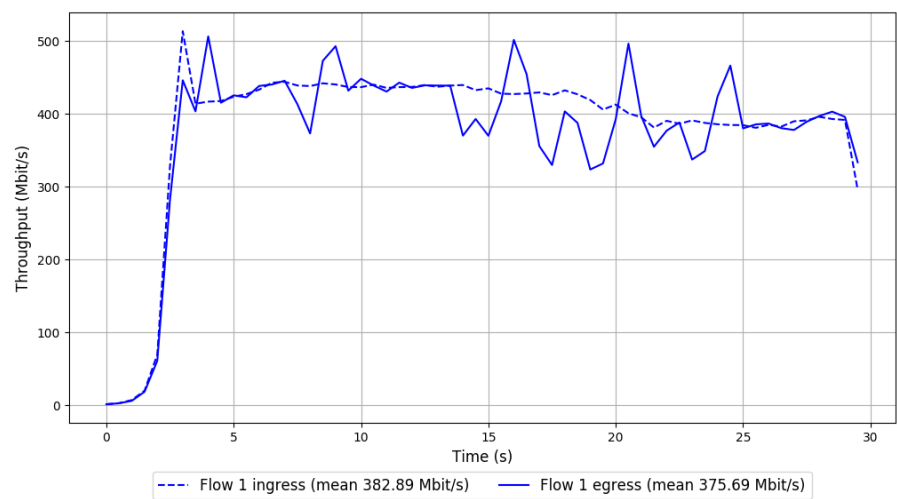
-- Flow 1:

Average throughput: 375.69 Mbit/s

95th percentile per-packet one-way delay: 231.484 ms

Loss rate: 1.89%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-06 05:54:37

End at: 2018-03-06 05:55:07

Below is generated by plot.py at 2018-03-06 09:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.55 Mbit/s

95th percentile per-packet one-way delay: 179.266 ms

Loss rate: 0.20%

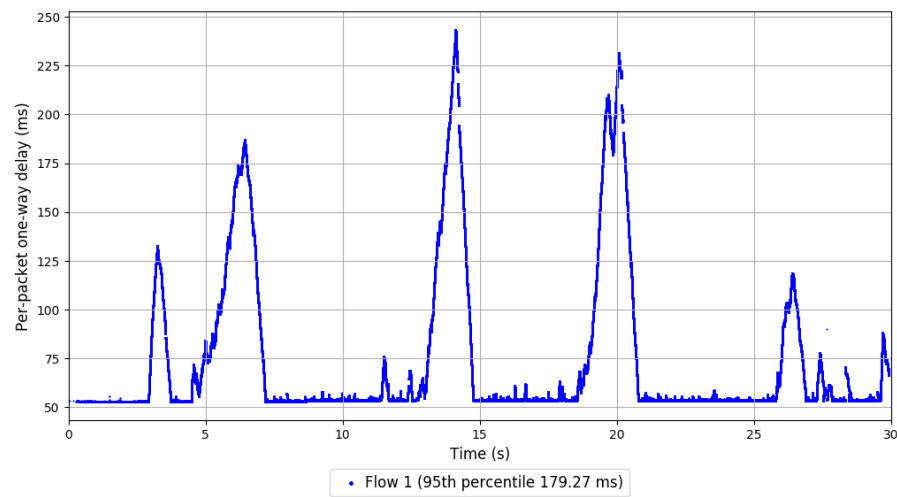
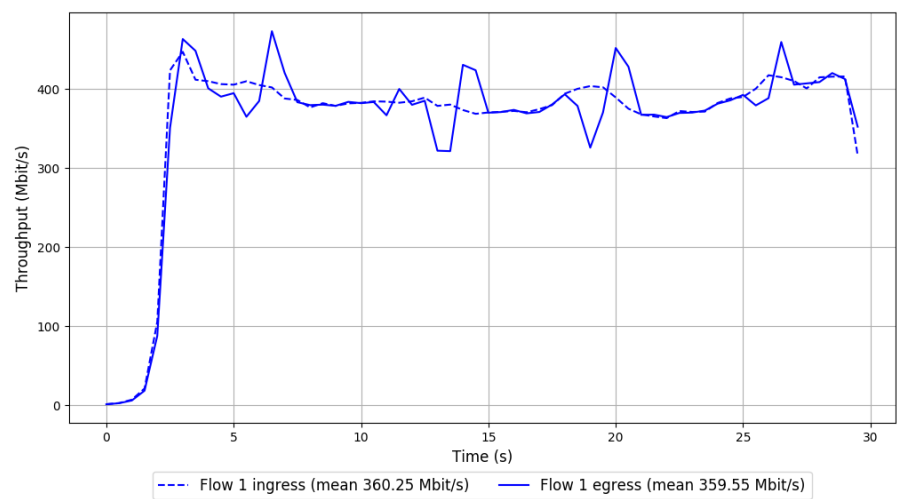
-- Flow 1:

Average throughput: 359.55 Mbit/s

95th percentile per-packet one-way delay: 179.266 ms

Loss rate: 0.20%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-03-06 06:09:03
End at: 2018-03-06 06:09:33

# Below is generated by plot.py at 2018-03-06 09:13:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 386.95 Mbit/s
95th percentile per-packet one-way delay: 100.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 386.95 Mbit/s
95th percentile per-packet one-way delay: 100.673 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

