

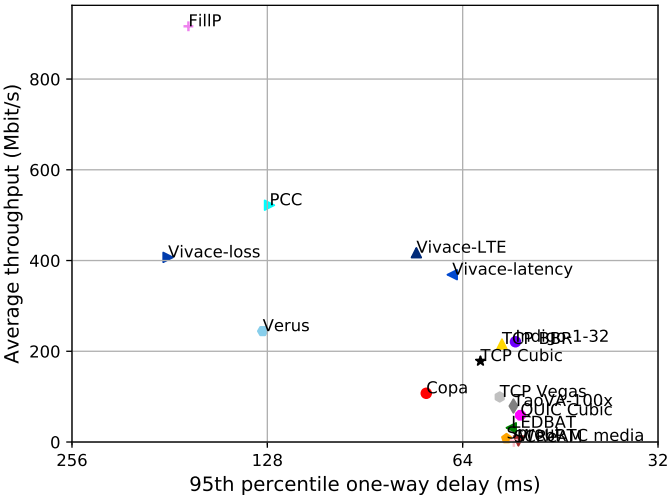
Pantheon Report

Generated at 2018-02-16 14:02:01 (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**).

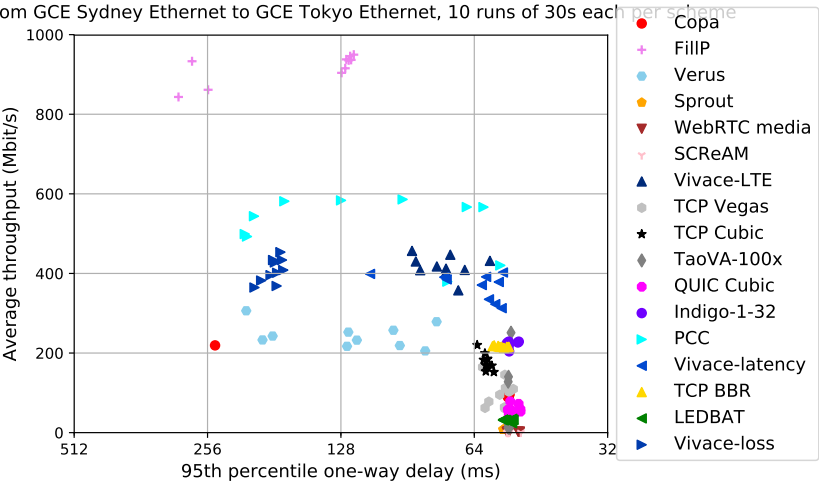
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
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	216.08	55.67	0.00
TCP Cubic	10	178.44	60.09	0.01
LEDBAT	10	31.39	53.87	0.01
PCC	10	521.94	127.01	1.48
QUIC Cubic	9	59.01	52.14	0.00
SCReAM	10	0.21	53.37	0.00
WebRTC media	10	2.33	52.51	0.01
Sprout	10	7.76	54.77	0.02
TaoVA-100x	8	79.30	53.45	0.00
TCP Vegas	10	99.29	56.12	0.00
Verus	10	244.39	130.13	0.65
Copa	10	107.40	72.83	3.50
FillP	10	916.29	169.36	4.77
Indigo-1-32	10	220.92	53.06	0.00
Vivace-latency	10	368.80	66.42	0.01
Vivace-loss	10	406.96	182.02	3.29
Vivace-LTE	10	417.25	75.43	0.06

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 08:35:11

End at: 2018-02-16 08:35:41

Below is generated by plot.py at 2018-02-16 12:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.77 Mbit/s

95th percentile per-packet one-way delay: 55.539 ms

Loss rate: 0.00%

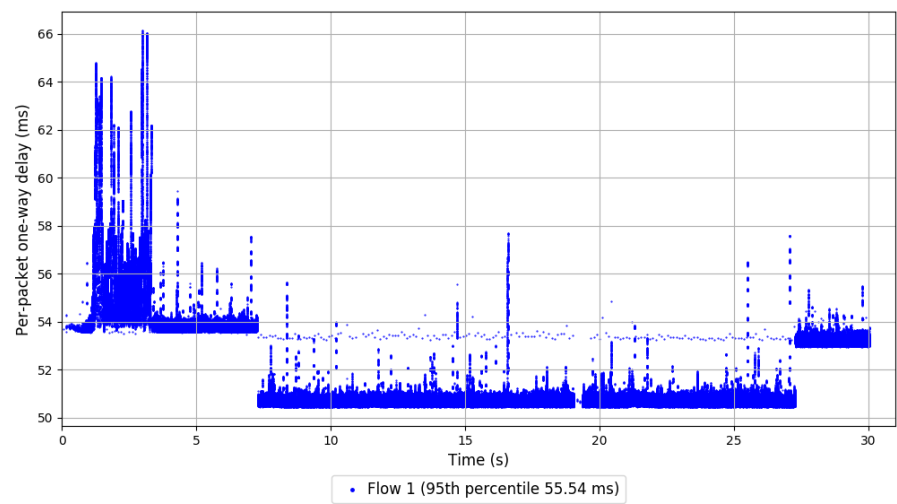
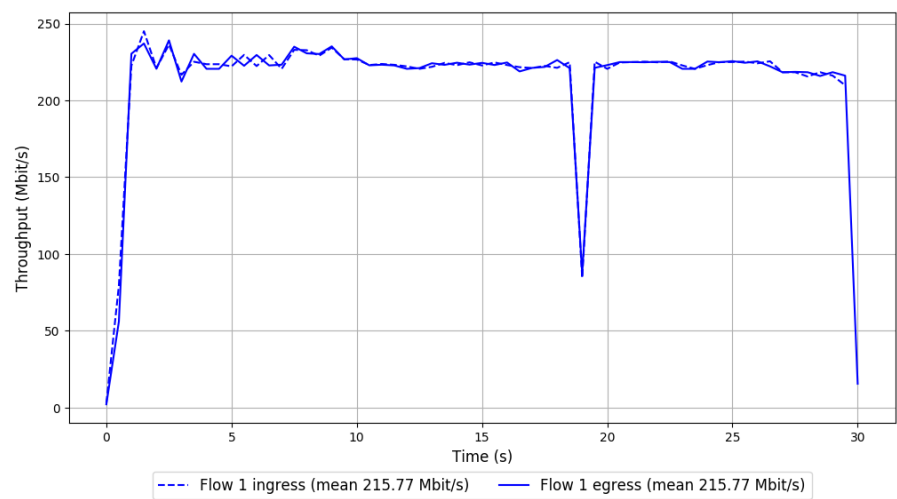
-- Flow 1:

Average throughput: 215.77 Mbit/s

95th percentile per-packet one-way delay: 55.539 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-16 08:49:39

End at: 2018-02-16 08:50:09

Below is generated by plot.py at 2018-02-16 12:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.80 Mbit/s

95th percentile per-packet one-way delay: 53.499 ms

Loss rate: 0.01%

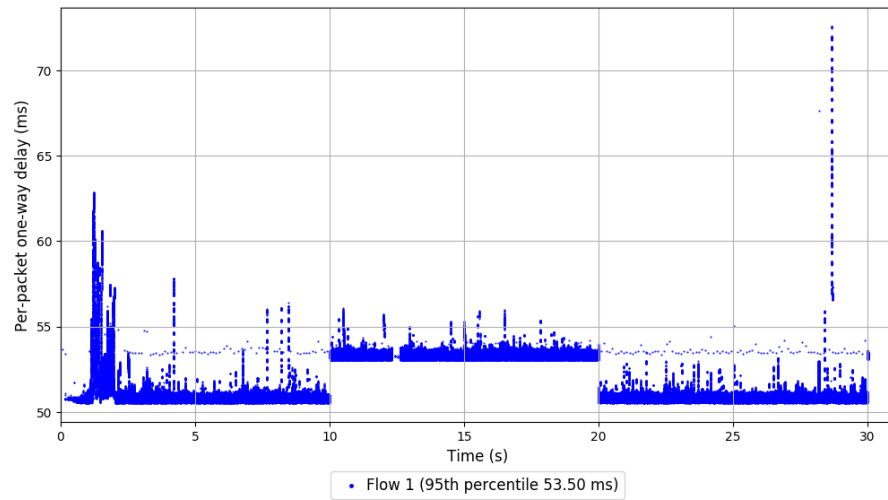
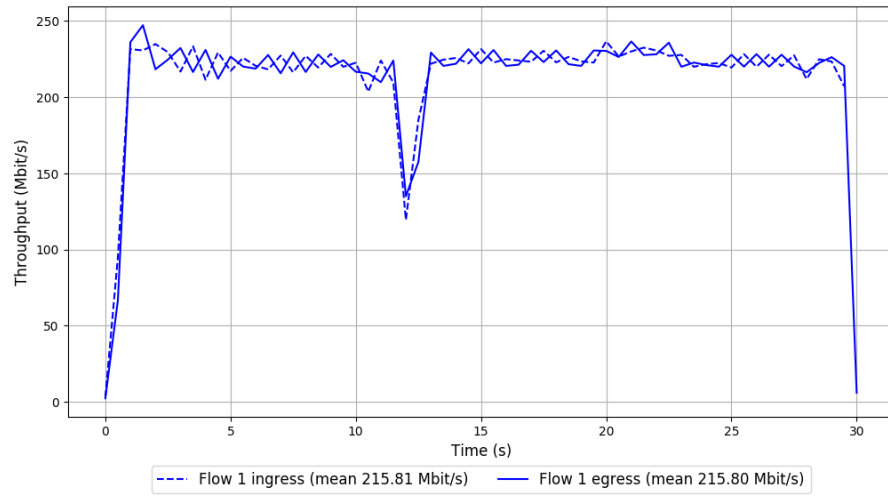
-- Flow 1:

Average throughput: 215.80 Mbit/s

95th percentile per-packet one-way delay: 53.499 ms

Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-16 09:04:03

End at: 2018-02-16 09:04:33

Below is generated by plot.py at 2018-02-16 12:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.59 Mbit/s

95th percentile per-packet one-way delay: 54.069 ms

Loss rate: 0.00%

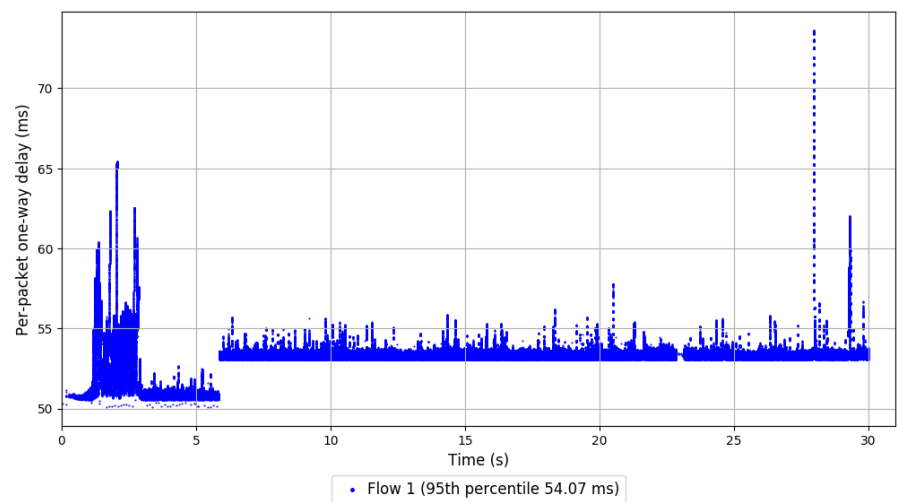
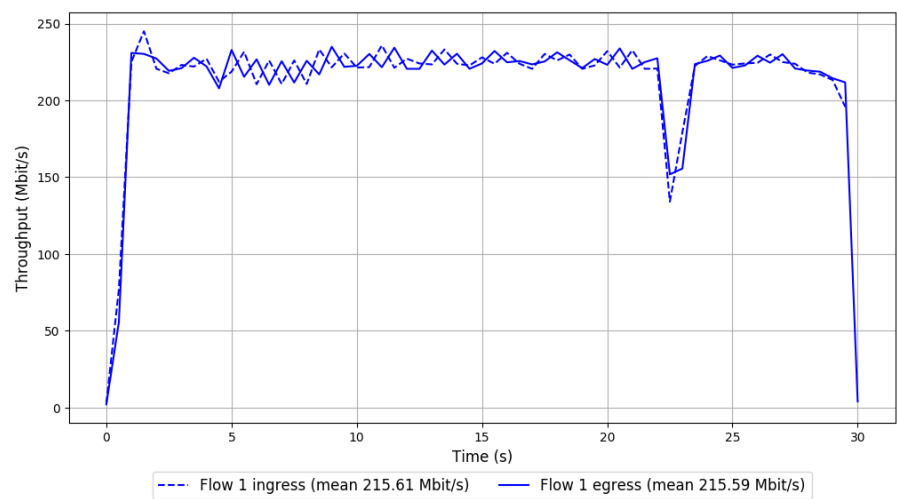
-- Flow 1:

Average throughput: 215.59 Mbit/s

95th percentile per-packet one-way delay: 54.069 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-16 09:18:29

End at: 2018-02-16 09:18:59

Below is generated by plot.py at 2018-02-16 12:38:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.24 Mbit/s

95th percentile per-packet one-way delay: 58.192 ms

Loss rate: 0.00%

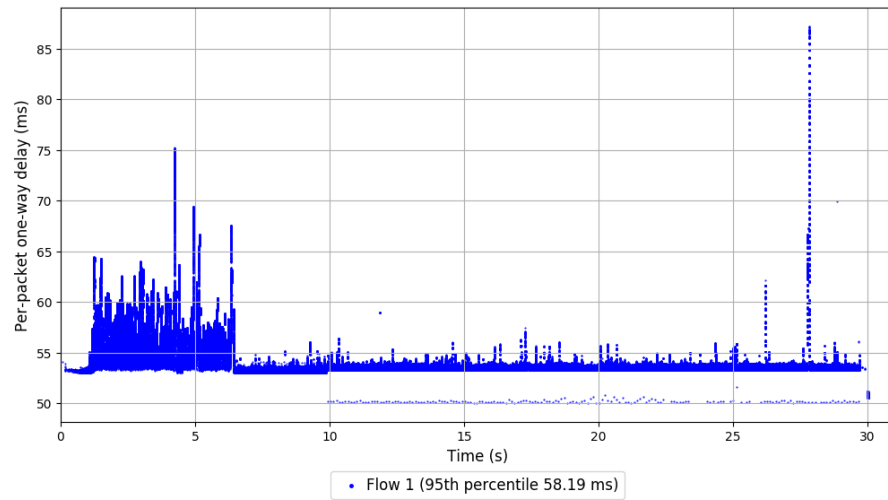
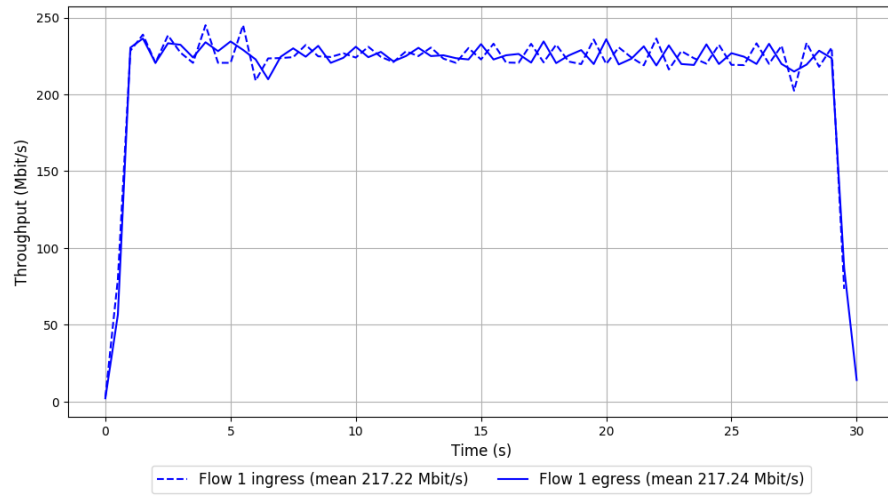
-- Flow 1:

Average throughput: 217.24 Mbit/s

95th percentile per-packet one-way delay: 58.192 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-16 09:32:44

End at: 2018-02-16 09:33:14

Below is generated by plot.py at 2018-02-16 12:38:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.16 Mbit/s

95th percentile per-packet one-way delay: 55.989 ms

Loss rate: 0.00%

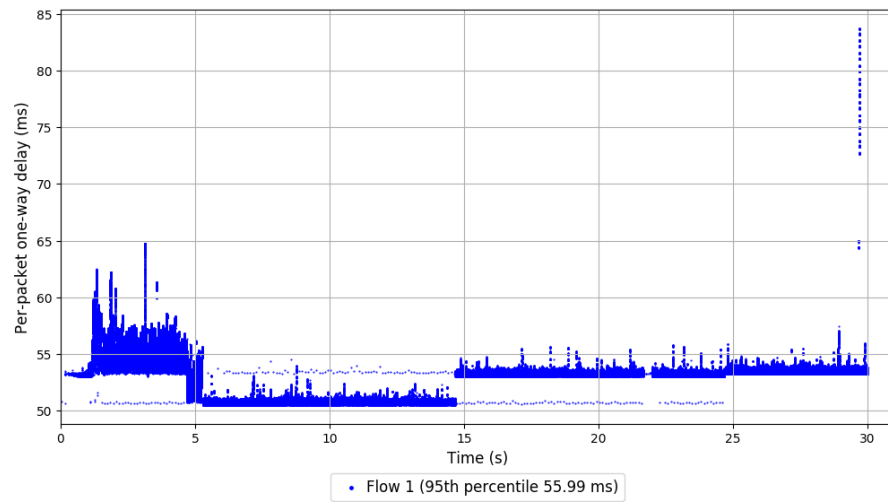
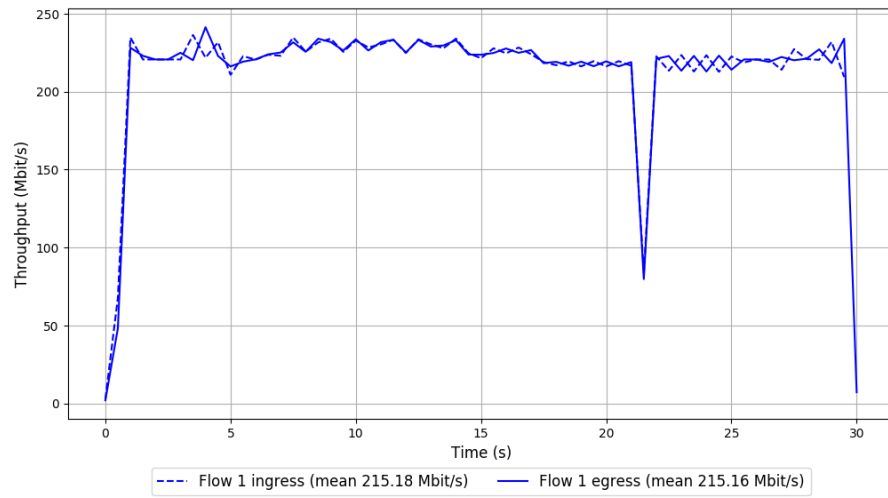
-- Flow 1:

Average throughput: 215.16 Mbit/s

95th percentile per-packet one-way delay: 55.989 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-16 09:47:21

End at: 2018-02-16 09:47:51

Below is generated by plot.py at 2018-02-16 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.41 Mbit/s

95th percentile per-packet one-way delay: 57.730 ms

Loss rate: 0.00%

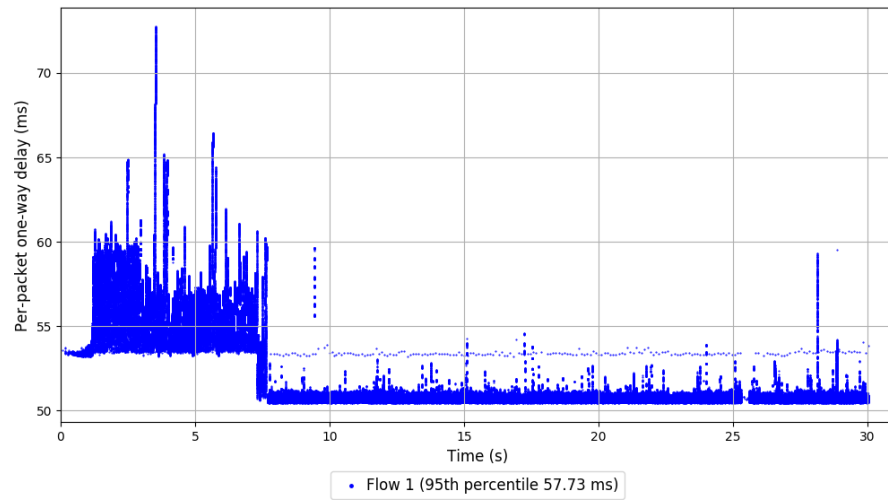
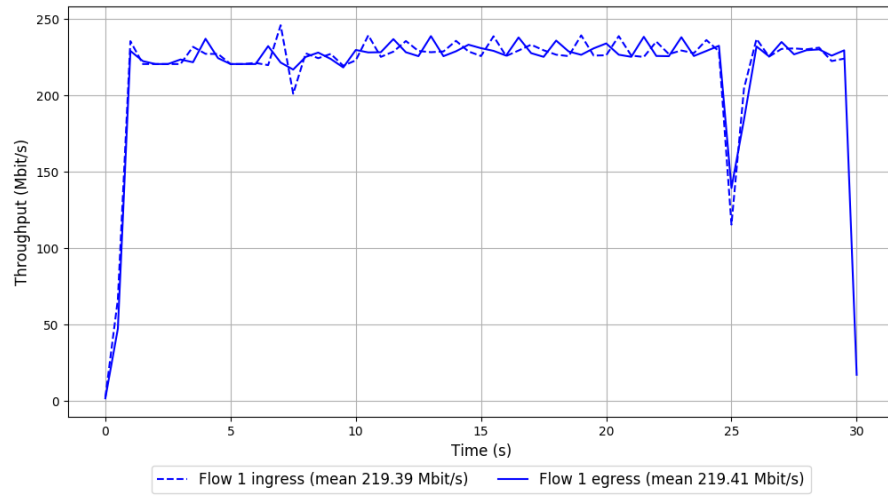
-- Flow 1:

Average throughput: 219.41 Mbit/s

95th percentile per-packet one-way delay: 57.730 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-16 10:01:47

End at: 2018-02-16 10:02:17

Below is generated by plot.py at 2018-02-16 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.40 Mbit/s

95th percentile per-packet one-way delay: 53.872 ms

Loss rate: 0.00%

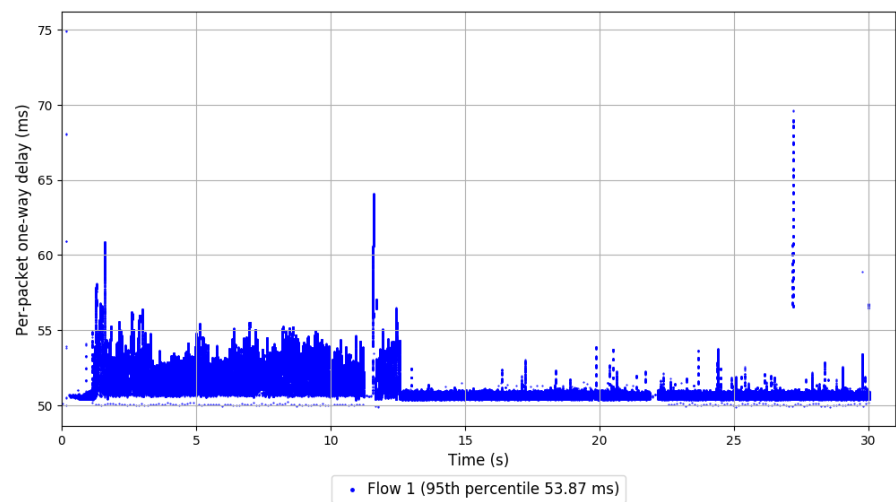
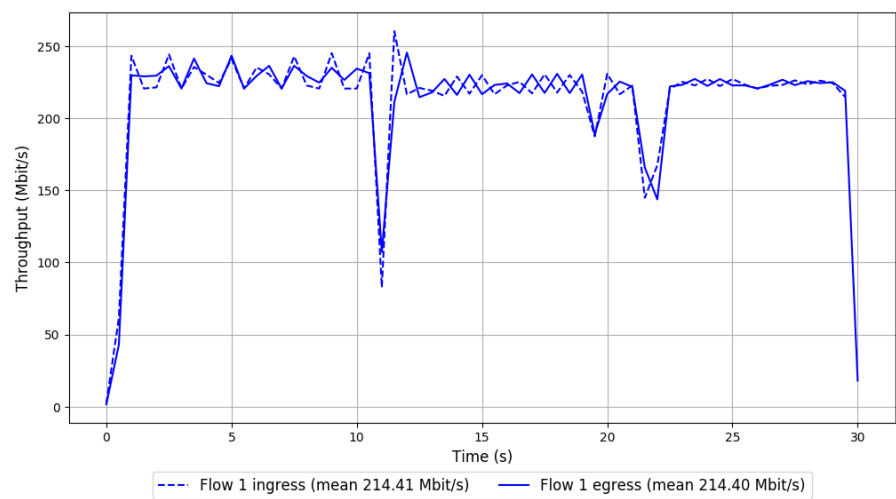
-- Flow 1:

Average throughput: 214.40 Mbit/s

95th percentile per-packet one-way delay: 53.872 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-16 10:16:09

End at: 2018-02-16 10:16:39

Below is generated by plot.py at 2018-02-16 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.88 Mbit/s

95th percentile per-packet one-way delay: 56.524 ms

Loss rate: 0.00%

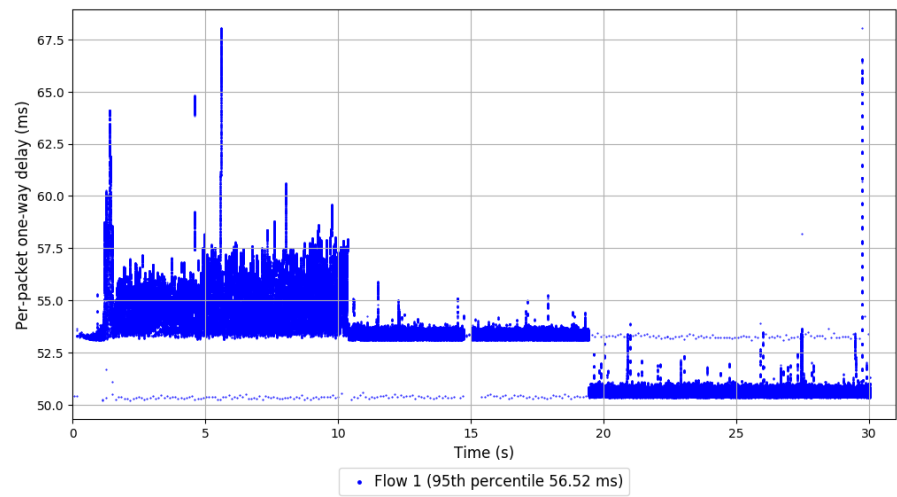
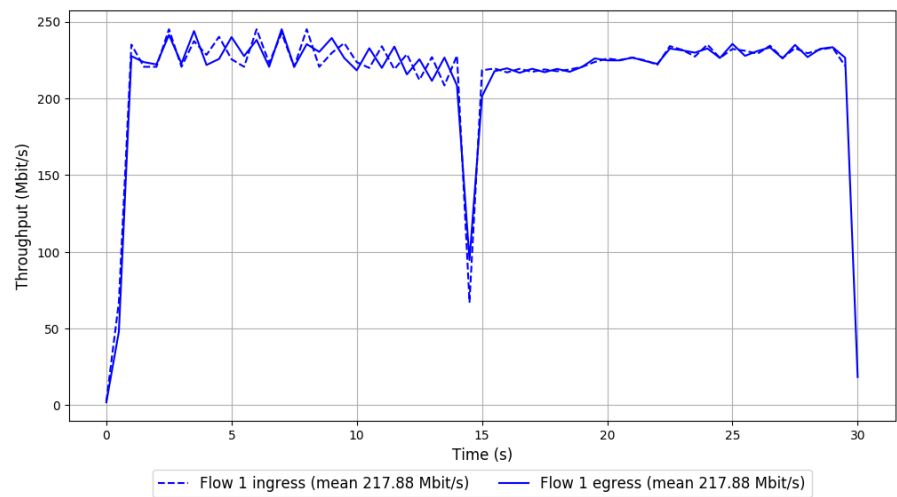
-- Flow 1:

Average throughput: 217.88 Mbit/s

95th percentile per-packet one-way delay: 56.524 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-16 10:30:46

End at: 2018-02-16 10:31:16

Below is generated by plot.py at 2018-02-16 12:41:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.99 Mbit/s

95th percentile per-packet one-way delay: 54.875 ms

Loss rate: 0.00%

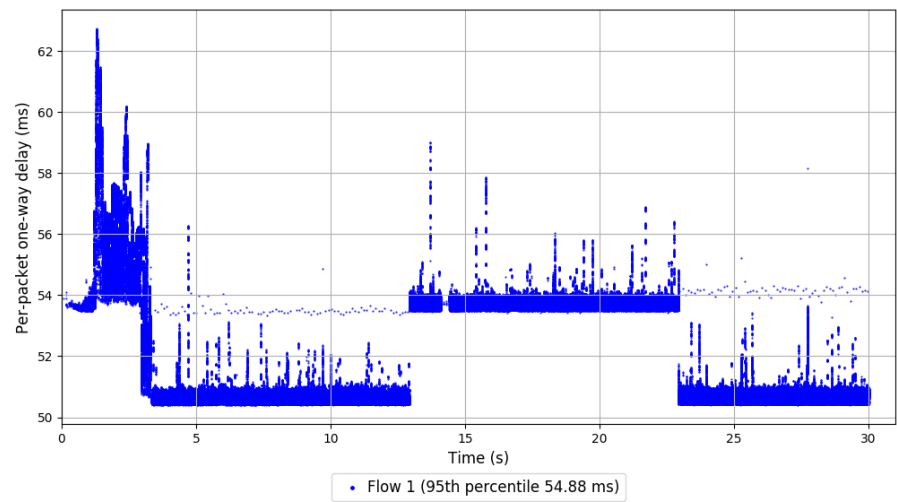
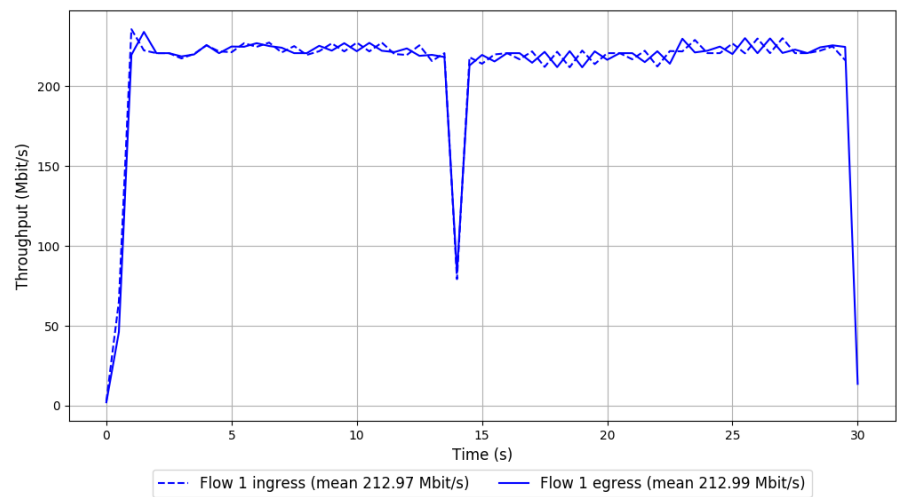
-- Flow 1:

Average throughput: 212.99 Mbit/s

95th percentile per-packet one-way delay: 54.875 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-16 10:45:13

End at: 2018-02-16 10:45:43

Below is generated by plot.py at 2018-02-16 12:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.54 Mbit/s

95th percentile per-packet one-way delay: 56.441 ms

Loss rate: 0.01%

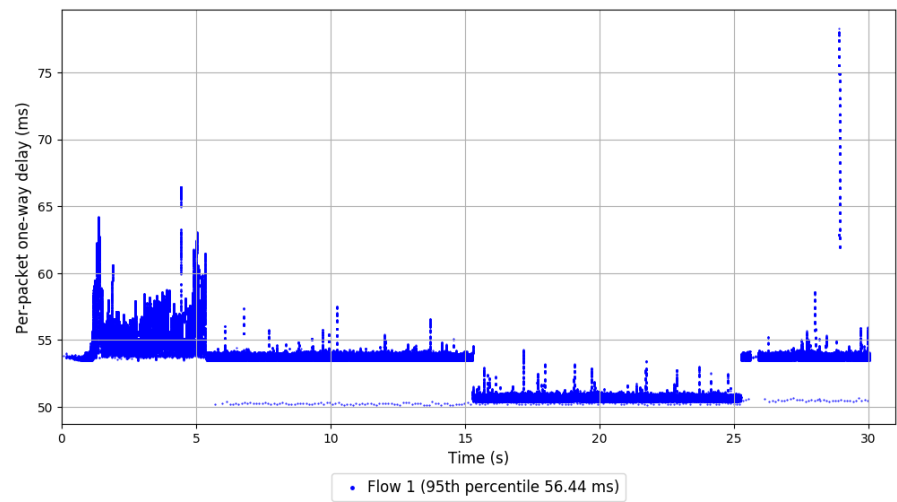
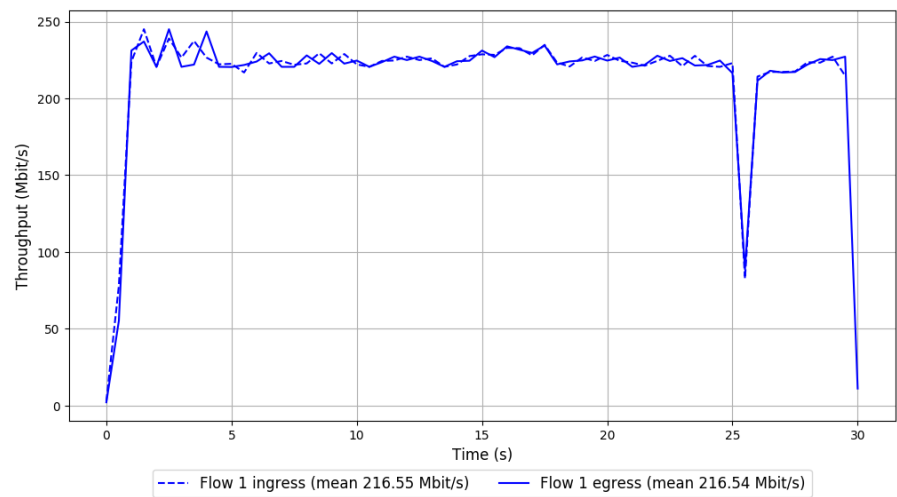
-- Flow 1:

Average throughput: 216.54 Mbit/s

95th percentile per-packet one-way delay: 56.441 ms

Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 08:41:36

End at: 2018-02-16 08:42:06

Below is generated by plot.py at 2018-02-16 12:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.29 Mbit/s

95th percentile per-packet one-way delay: 58.414 ms

Loss rate: 0.00%

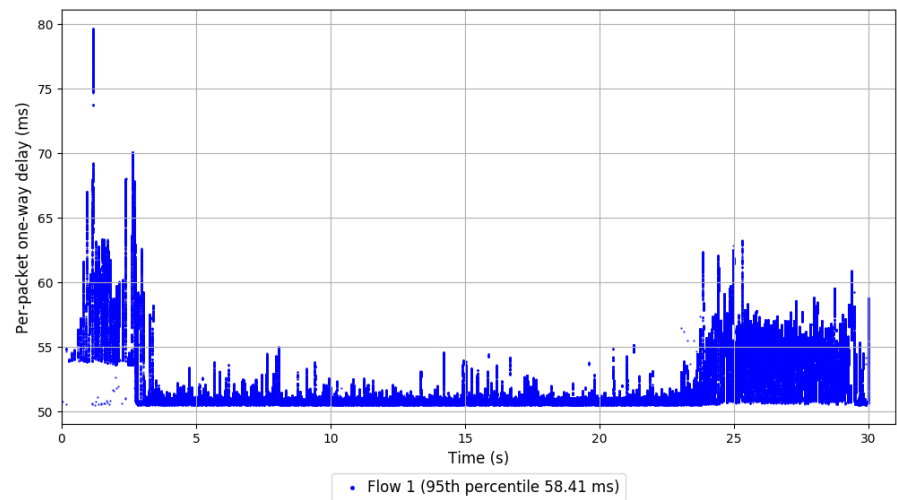
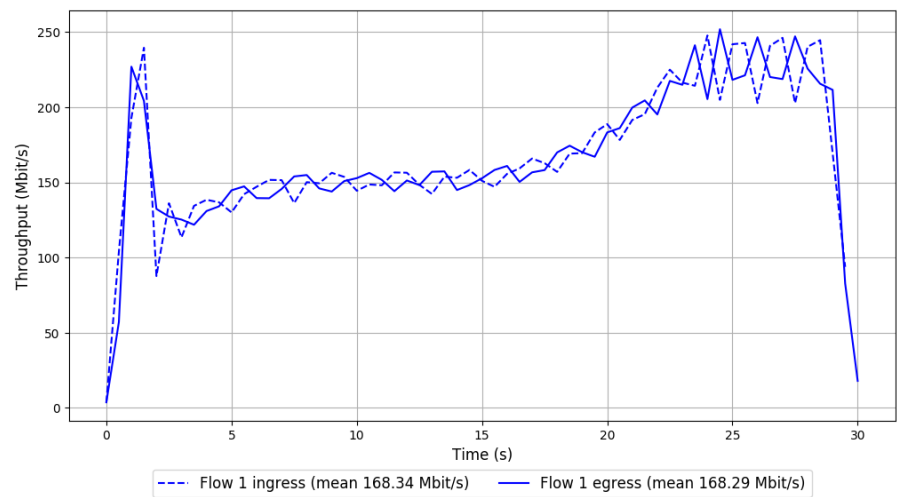
-- Flow 1:

Average throughput: 168.29 Mbit/s

95th percentile per-packet one-way delay: 58.414 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 08:56:04

End at: 2018-02-16 08:56:34

Below is generated by plot.py at 2018-02-16 12:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.32 Mbit/s

95th percentile per-packet one-way delay: 57.805 ms

Loss rate: 0.01%

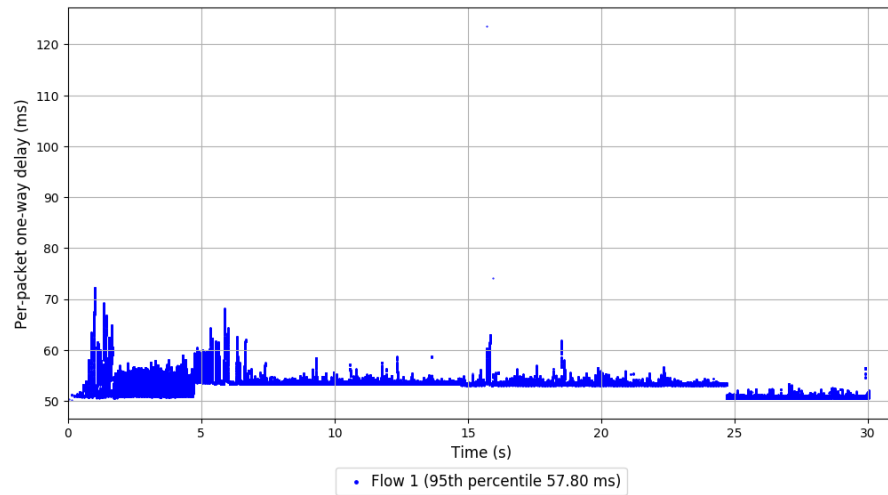
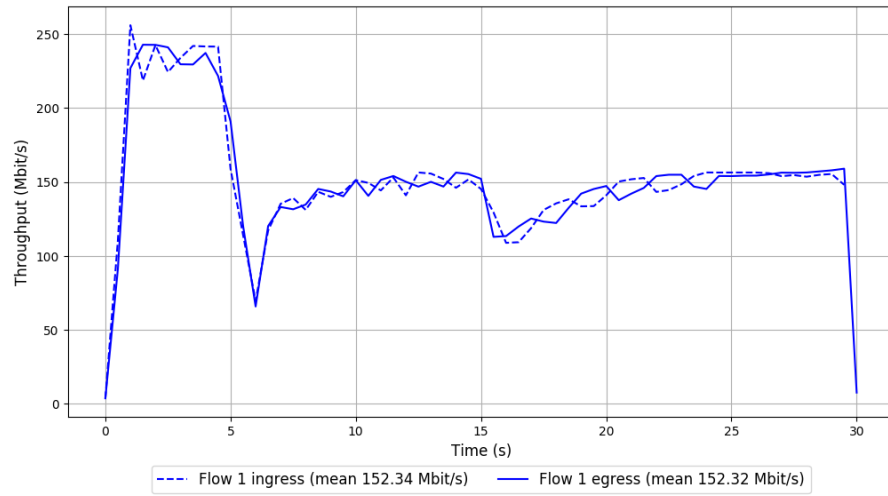
-- Flow 1:

Average throughput: 152.32 Mbit/s

95th percentile per-packet one-way delay: 57.805 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 09:10:26

End at: 2018-02-16 09:10:56

Below is generated by plot.py at 2018-02-16 12:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.14 Mbit/s

95th percentile per-packet one-way delay: 63.048 ms

Loss rate: 0.01%

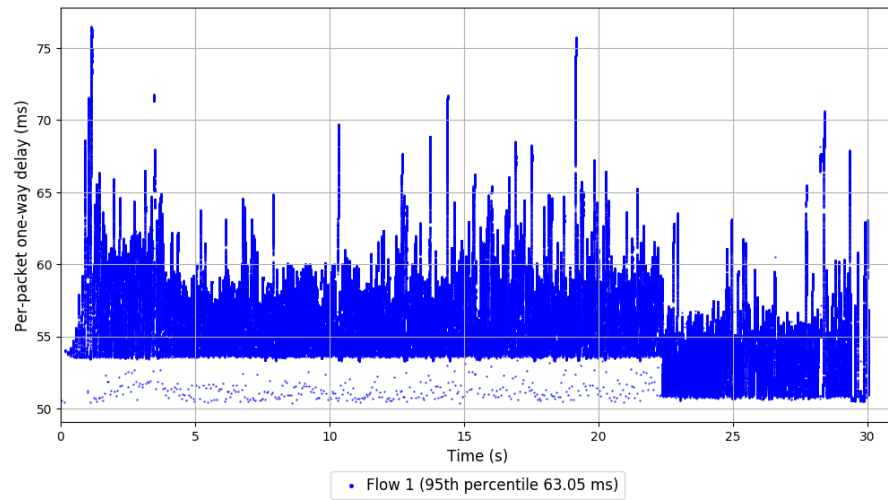
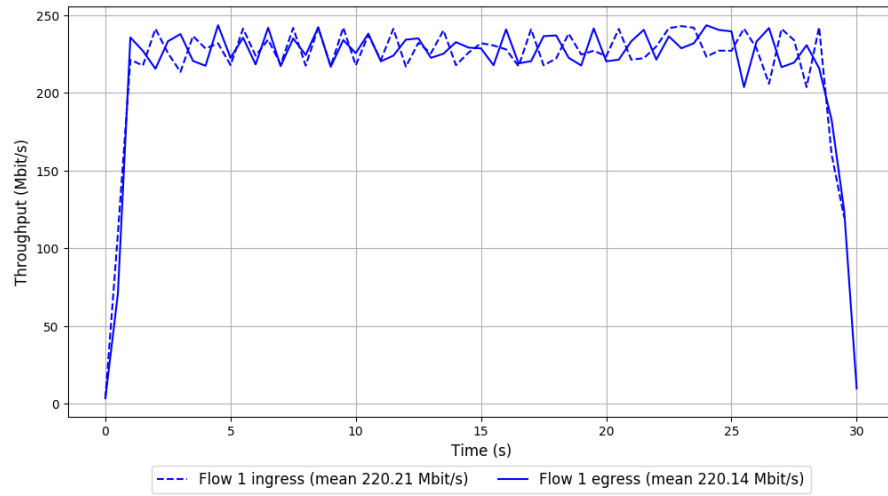
-- Flow 1:

Average throughput: 220.14 Mbit/s

95th percentile per-packet one-way delay: 63.048 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 09:24:56

End at: 2018-02-16 09:25:26

Below is generated by plot.py at 2018-02-16 12:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.98 Mbit/s

95th percentile per-packet one-way delay: 60.272 ms

Loss rate: 0.00%

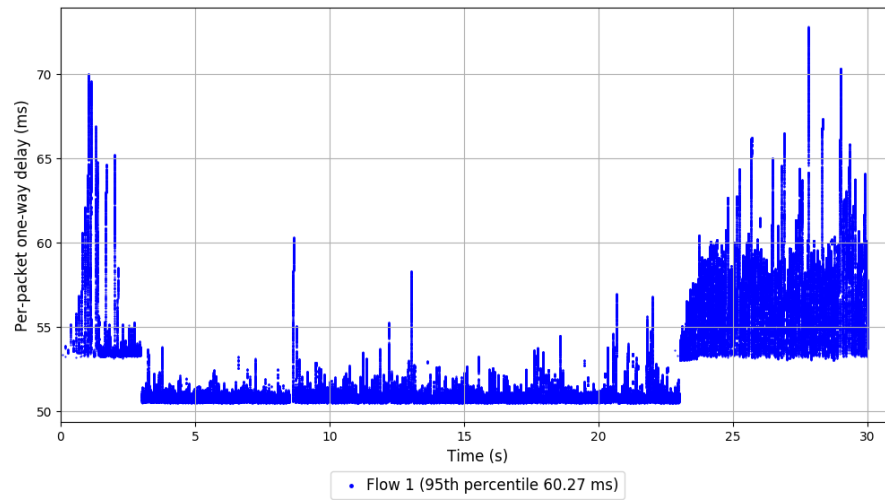
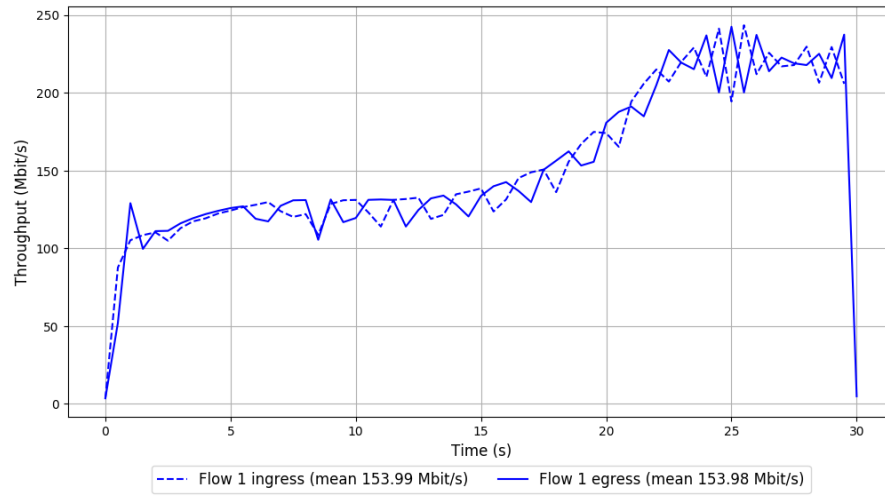
-- Flow 1:

Average throughput: 153.98 Mbit/s

95th percentile per-packet one-way delay: 60.272 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 09:39:03

End at: 2018-02-16 09:39:33

Below is generated by plot.py at 2018-02-16 12:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.70 Mbit/s

95th percentile per-packet one-way delay: 59.750 ms

Loss rate: 0.00%

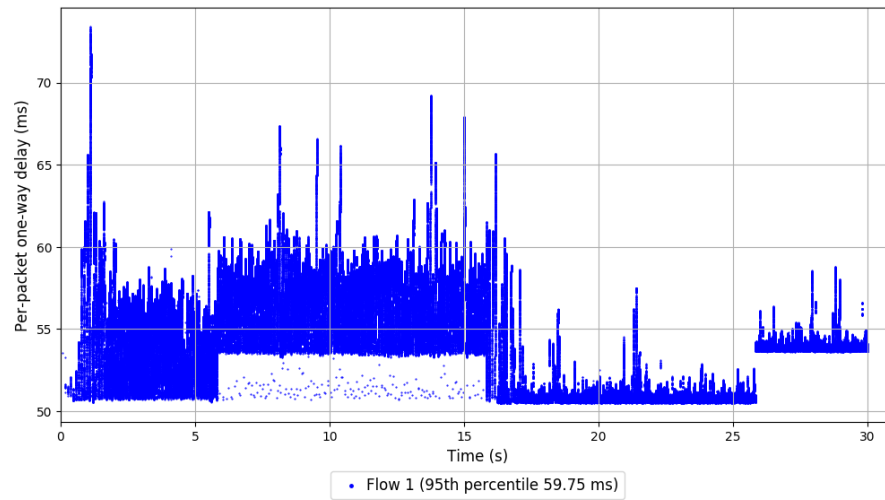
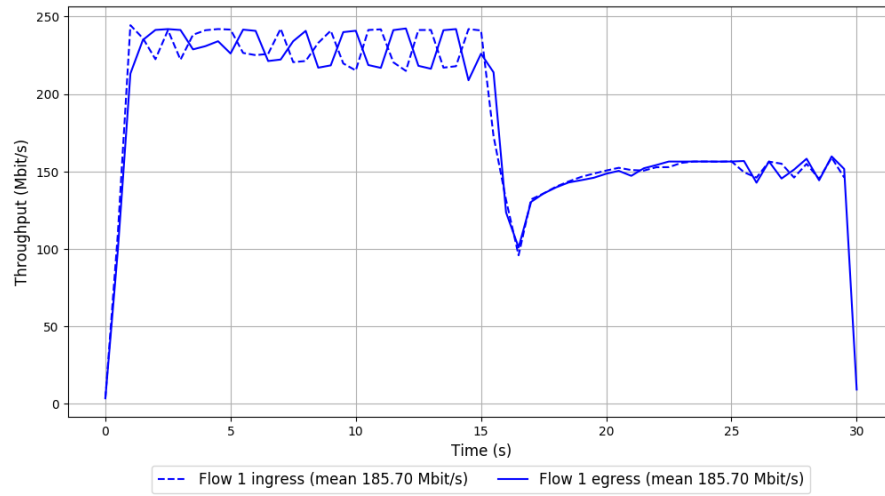
-- Flow 1:

Average throughput: 185.70 Mbit/s

95th percentile per-packet one-way delay: 59.750 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 09:53:50

End at: 2018-02-16 09:54:20

Below is generated by plot.py at 2018-02-16 12:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.29 Mbit/s

95th percentile per-packet one-way delay: 59.824 ms

Loss rate: 0.00%

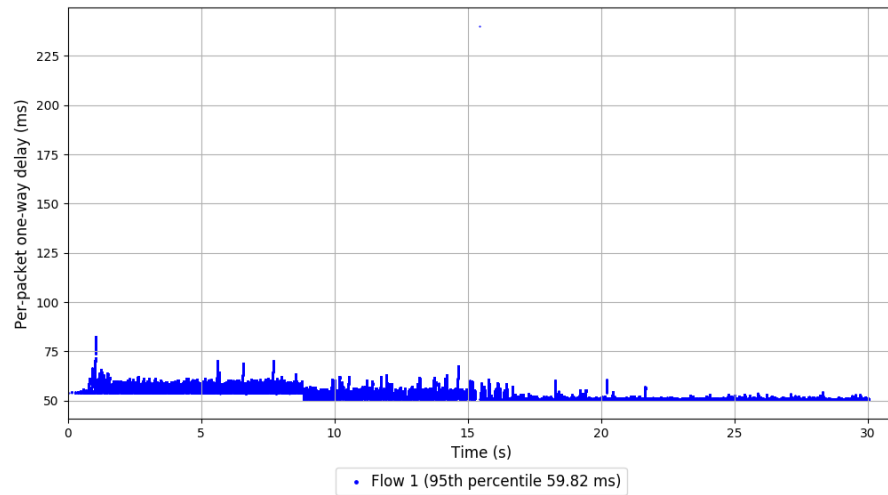
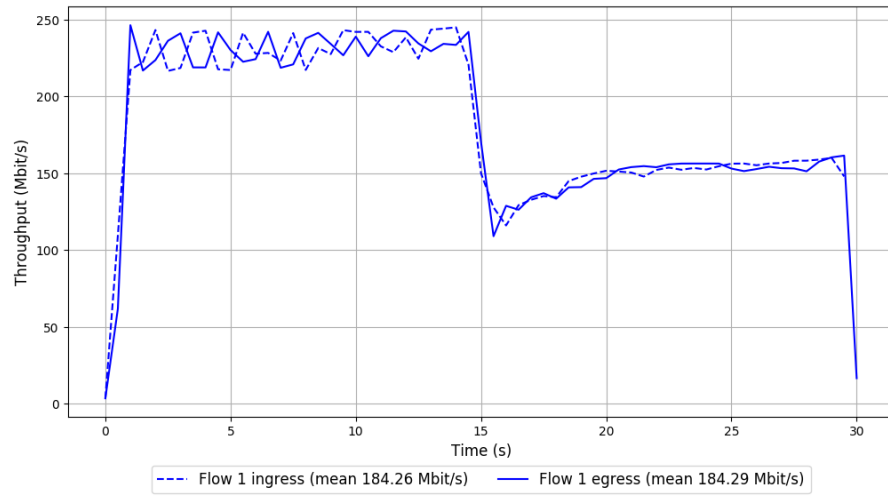
-- Flow 1:

Average throughput: 184.29 Mbit/s

95th percentile per-packet one-way delay: 59.824 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 10:08:07

End at: 2018-02-16 10:08:37

Below is generated by plot.py at 2018-02-16 12:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.07 Mbit/s

95th percentile per-packet one-way delay: 60.970 ms

Loss rate: 0.00%

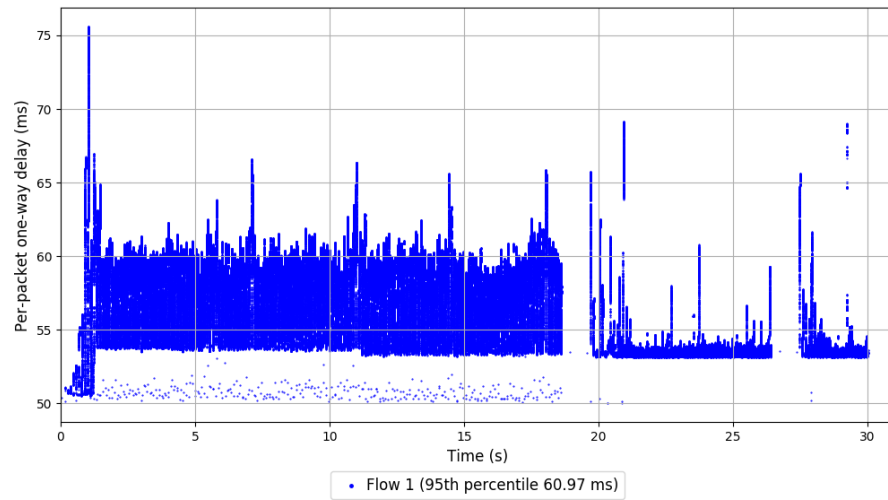
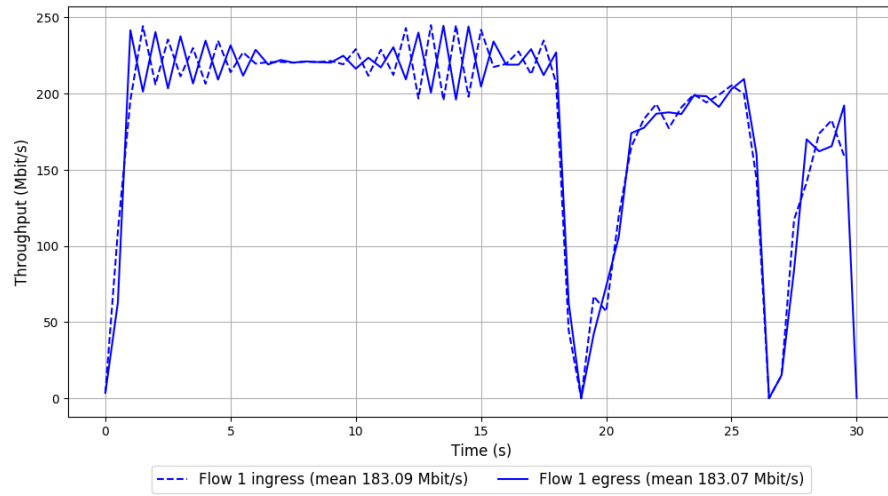
-- Flow 1:

Average throughput: 183.07 Mbit/s

95th percentile per-packet one-way delay: 60.970 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 10:22:38

End at: 2018-02-16 10:23:08

Below is generated by plot.py at 2018-02-16 12:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.34 Mbit/s

95th percentile per-packet one-way delay: 60.248 ms

Loss rate: 0.02%

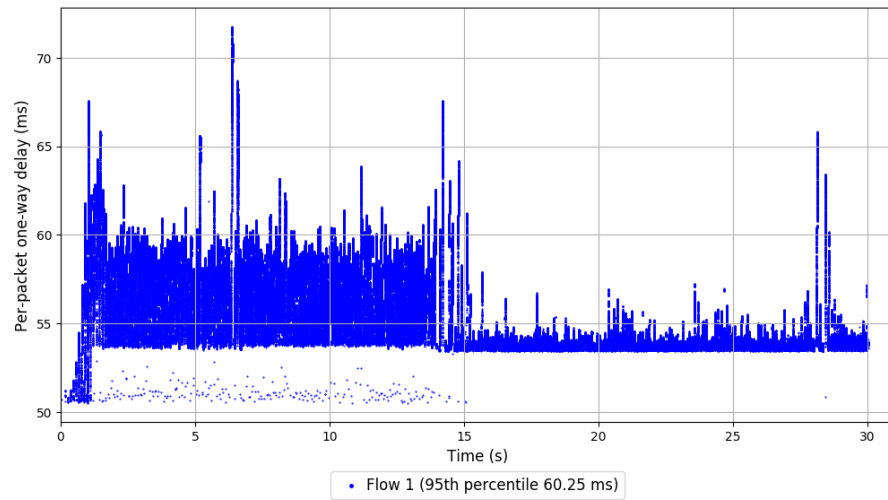
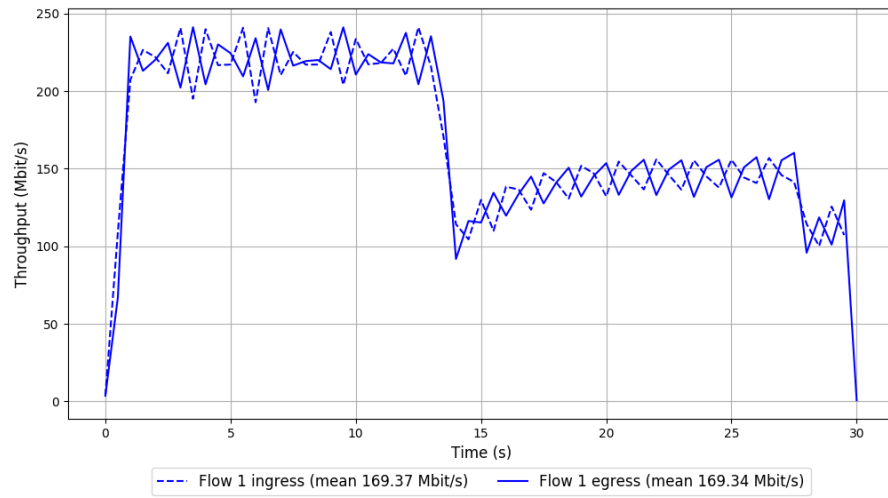
-- Flow 1:

Average throughput: 169.34 Mbit/s

95th percentile per-packet one-way delay: 60.248 ms

Loss rate: 0.02%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 10:37:12

End at: 2018-02-16 10:37:43

Below is generated by plot.py at 2018-02-16 12:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.83 Mbit/s

95th percentile per-packet one-way delay: 59.989 ms

Loss rate: 0.00%

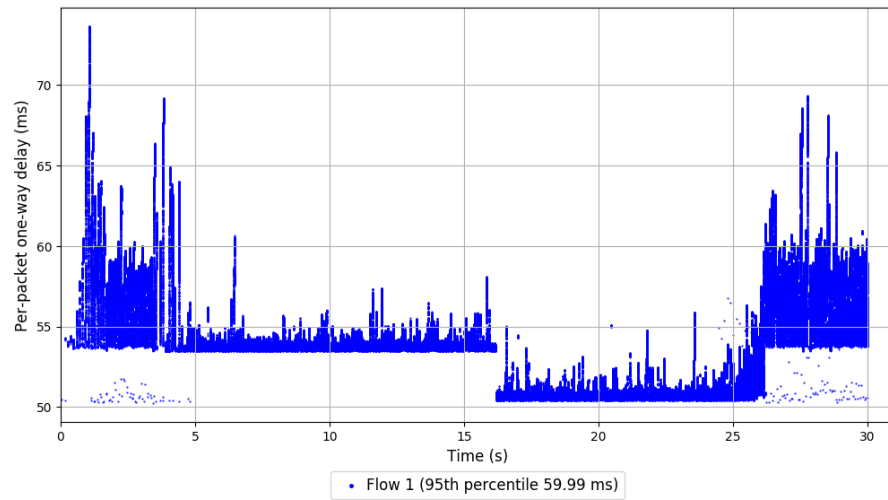
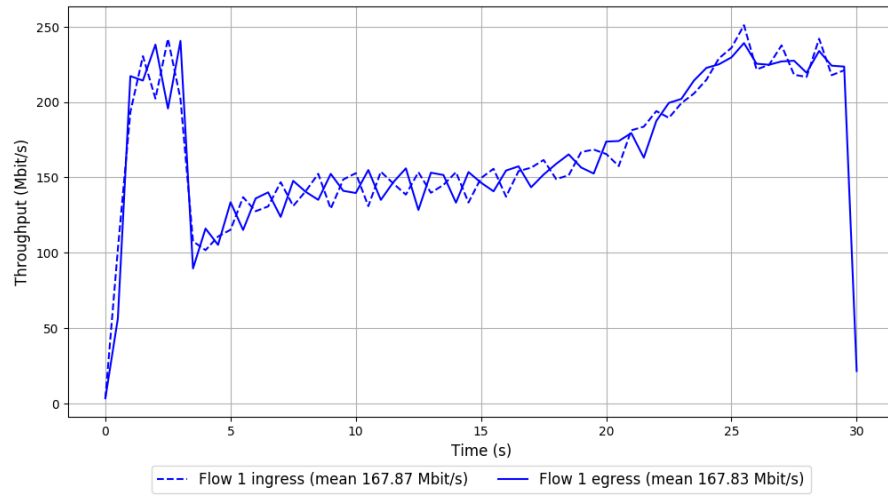
-- Flow 1:

Average throughput: 167.83 Mbit/s

95th percentile per-packet one-way delay: 59.989 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 10:51:35

End at: 2018-02-16 10:52:05

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.43 Mbit/s

95th percentile per-packet one-way delay: 60.565 ms

Loss rate: 0.01%

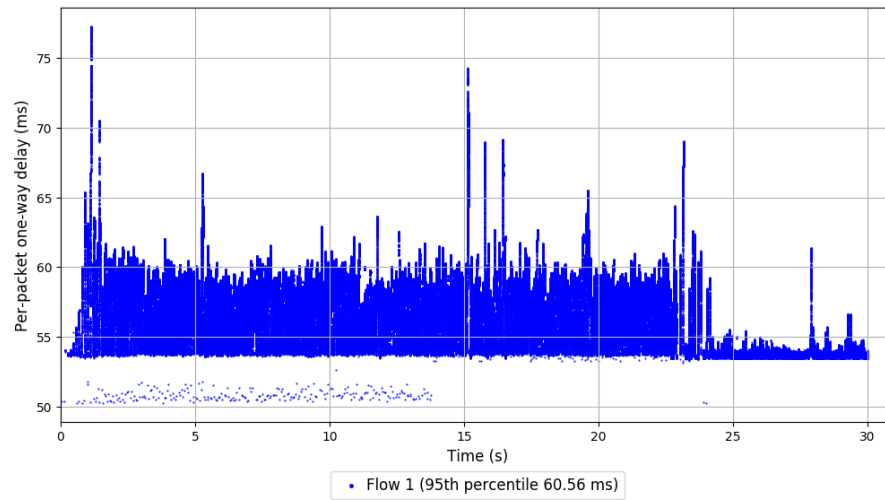
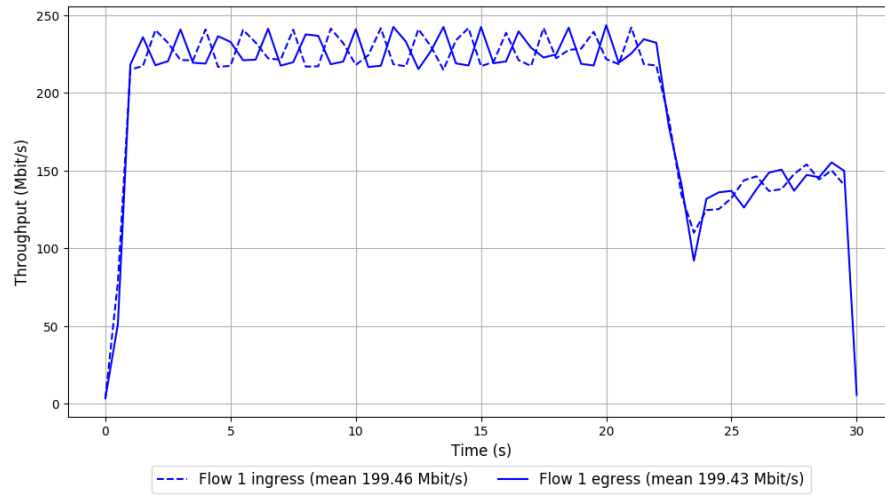
-- Flow 1:

Average throughput: 199.43 Mbit/s

95th percentile per-packet one-way delay: 60.565 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

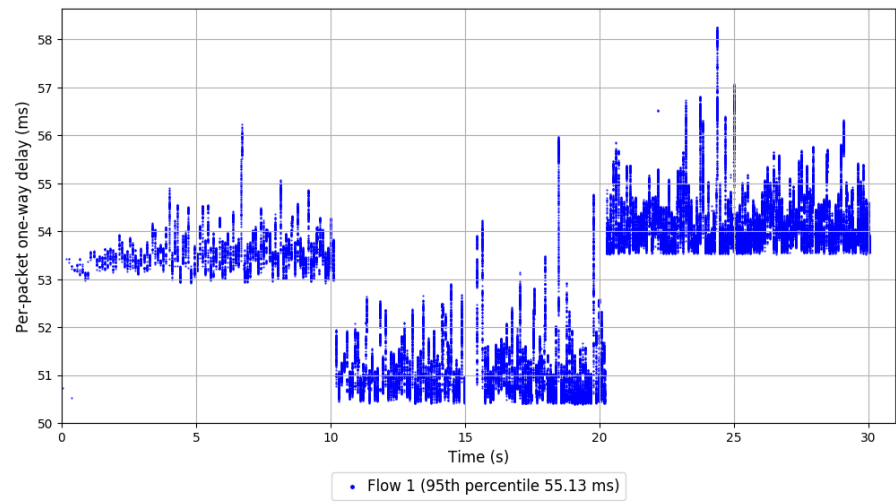
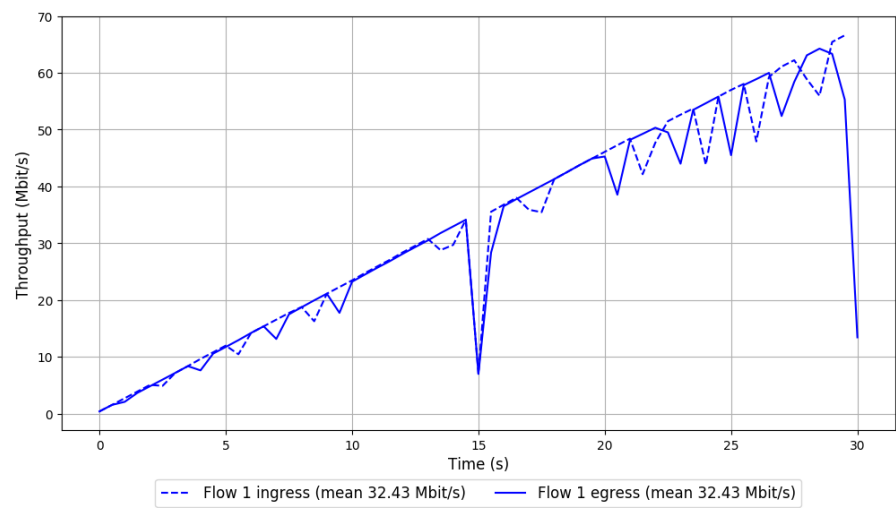


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 08:28:48
End at: 2018-02-16 08:29:18

# Below is generated by plot.py at 2018-02-16 12:44:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 55.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 55.127 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

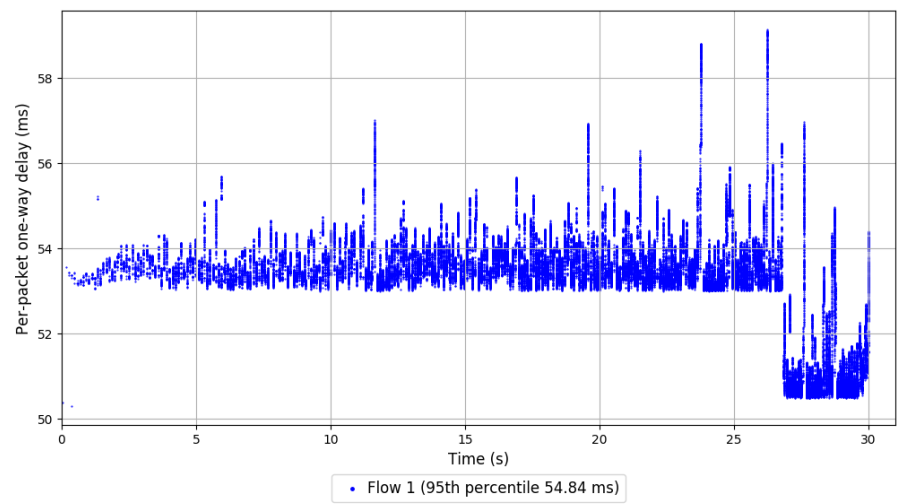
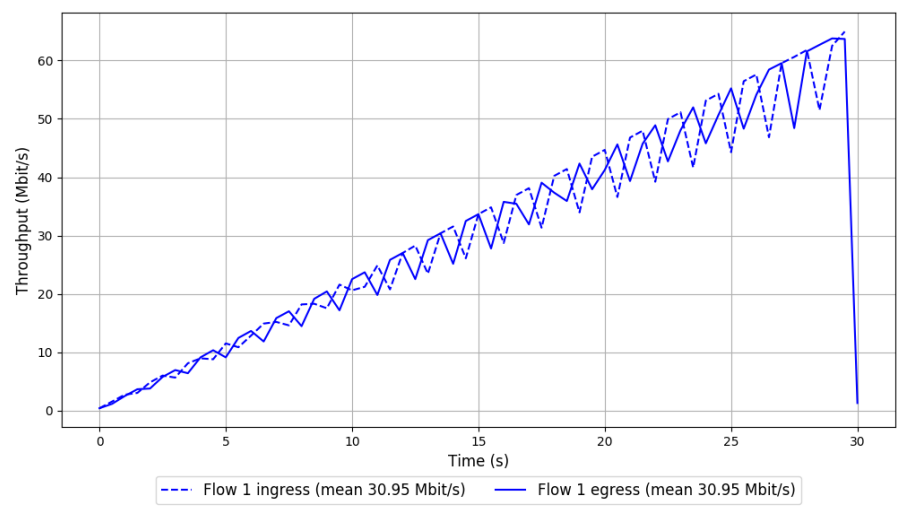


```
Run 2: Statistics of LEDBAT

Start at: 2018-02-16 08:43:22
End at: 2018-02-16 08:43:52

# Below is generated by plot.py at 2018-02-16 12:44:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 54.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 54.835 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-16 08:57:46

End at: 2018-02-16 08:58:16

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.74 Mbit/s

95th percentile per-packet one-way delay: 55.076 ms

Loss rate: 0.15%

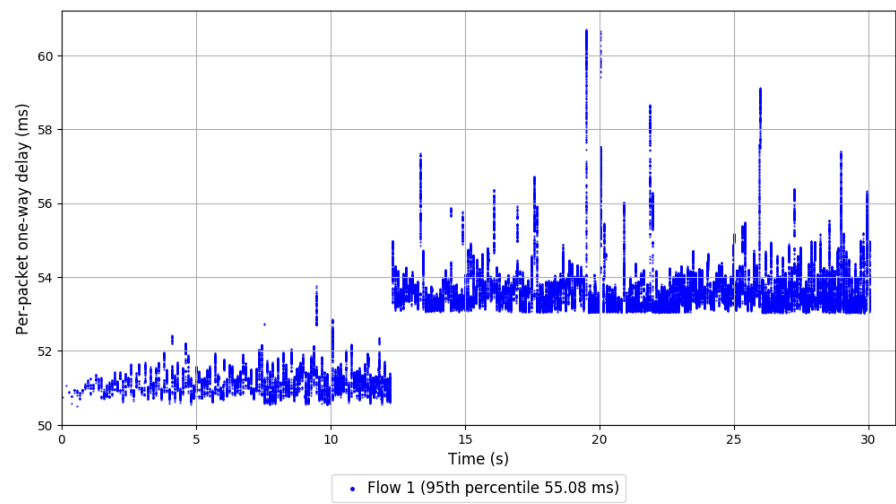
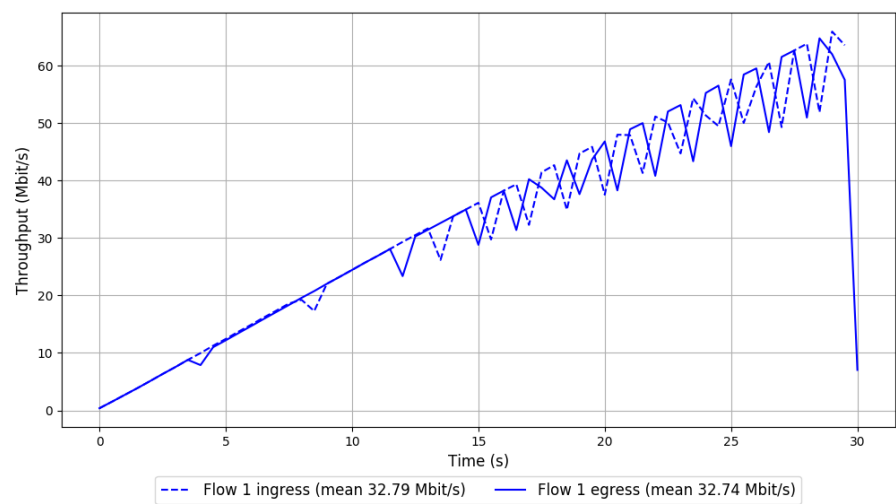
-- Flow 1:

Average throughput: 32.74 Mbit/s

95th percentile per-packet one-way delay: 55.076 ms

Loss rate: 0.15%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-16 09:12:15

End at: 2018-02-16 09:12:45

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 52.763 ms

Loss rate: 0.00%

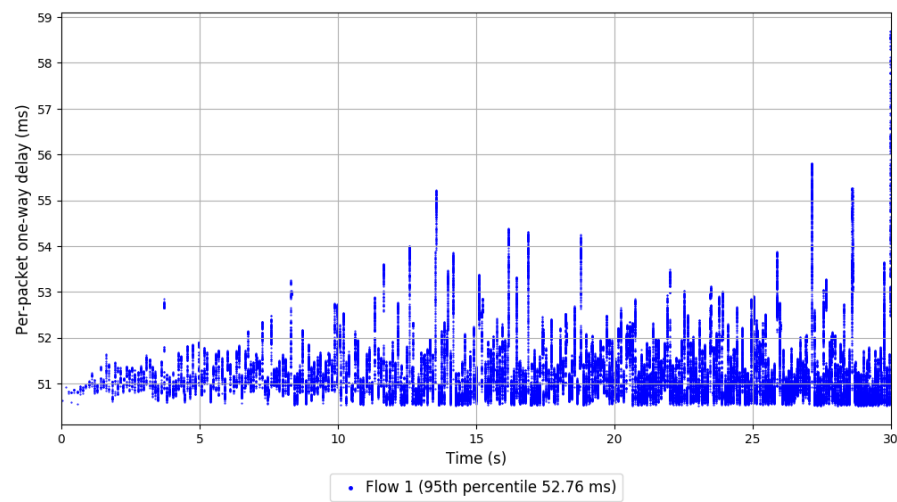
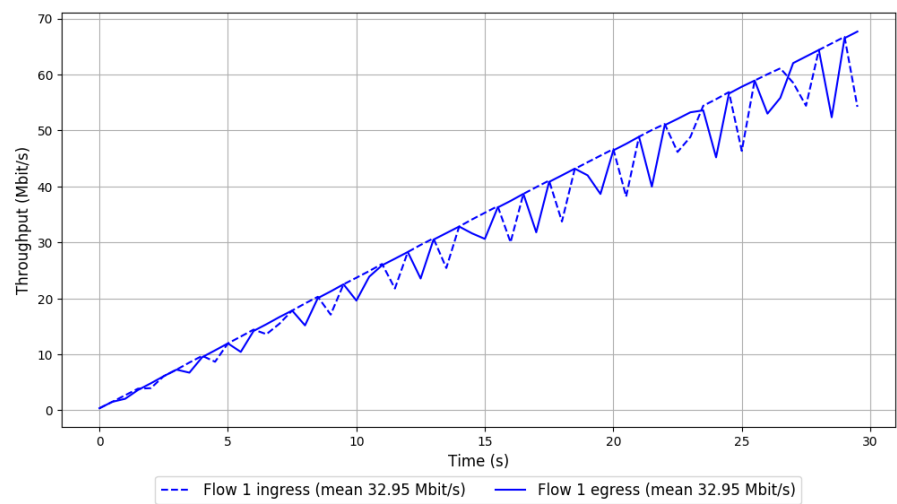
-- Flow 1:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 52.763 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-16 09:26:37

End at: 2018-02-16 09:27:07

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.91 Mbit/s

95th percentile per-packet one-way delay: 52.523 ms

Loss rate: 0.00%

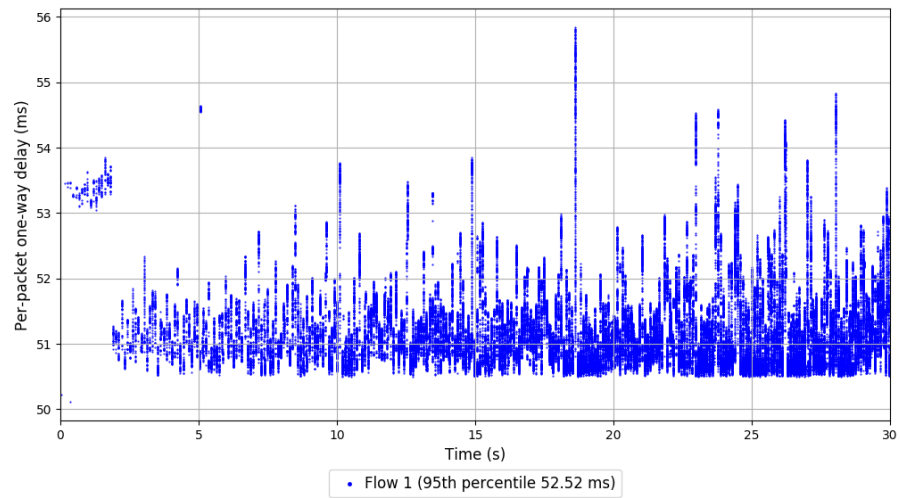
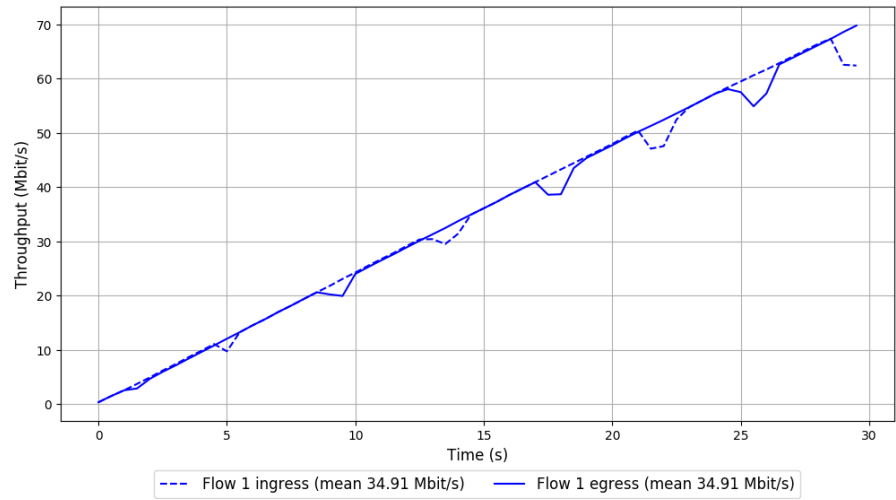
-- Flow 1:

Average throughput: 34.91 Mbit/s

95th percentile per-packet one-way delay: 52.523 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-16 09:40:49

End at: 2018-02-16 09:41:19

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.22 Mbit/s

95th percentile per-packet one-way delay: 54.374 ms

Loss rate: 0.00%

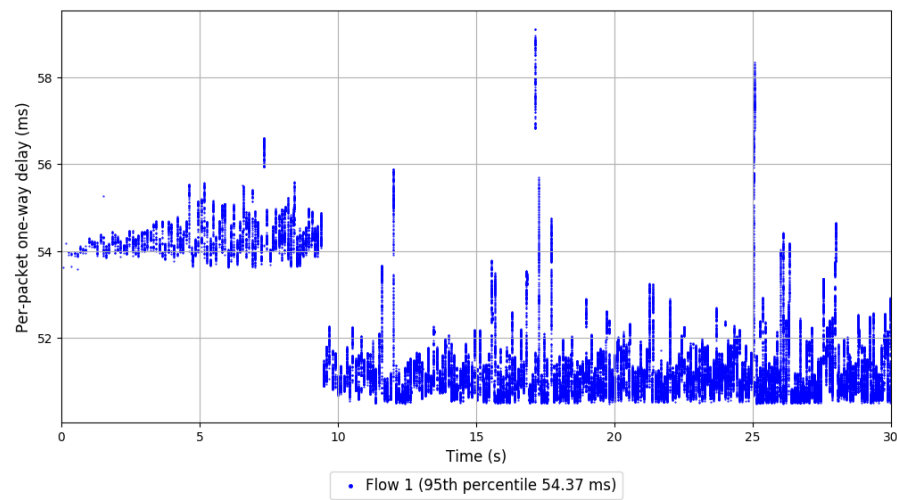
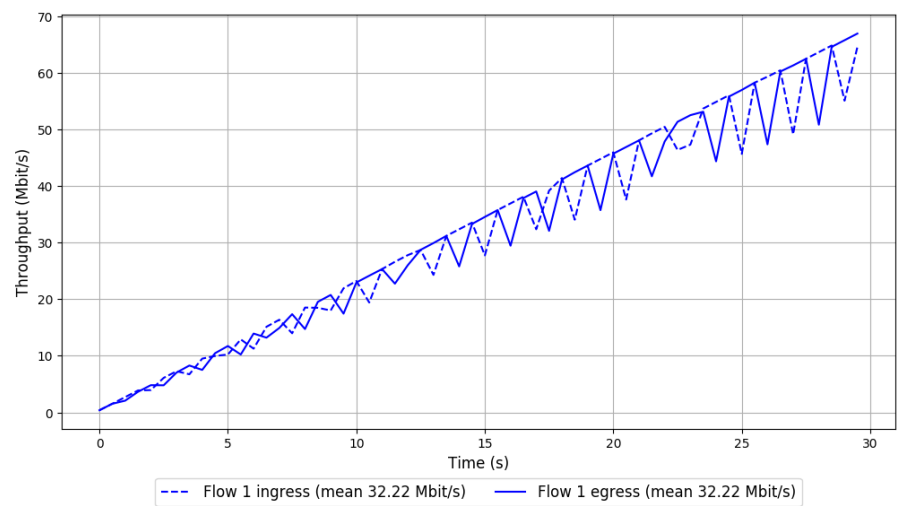
-- Flow 1:

Average throughput: 32.22 Mbit/s

95th percentile per-packet one-way delay: 54.374 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-16 09:55:33

End at: 2018-02-16 09:56:03

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.73 Mbit/s

95th percentile per-packet one-way delay: 52.575 ms

Loss rate: 0.00%

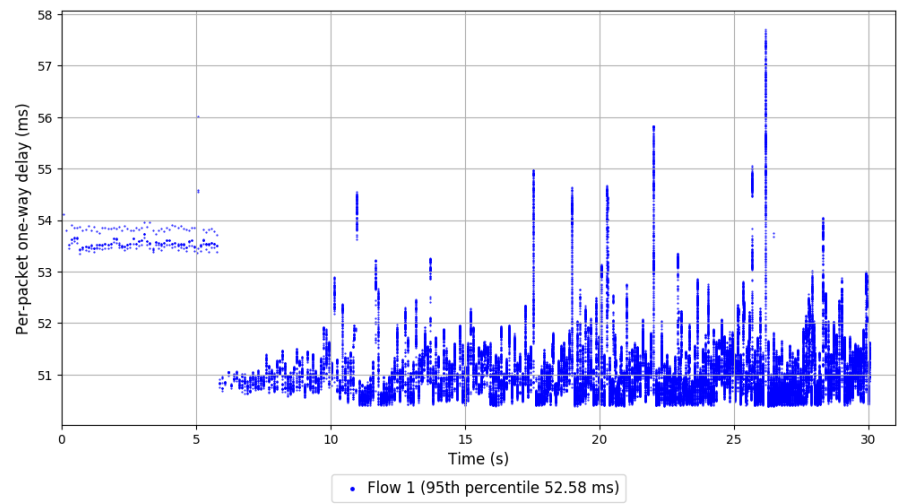
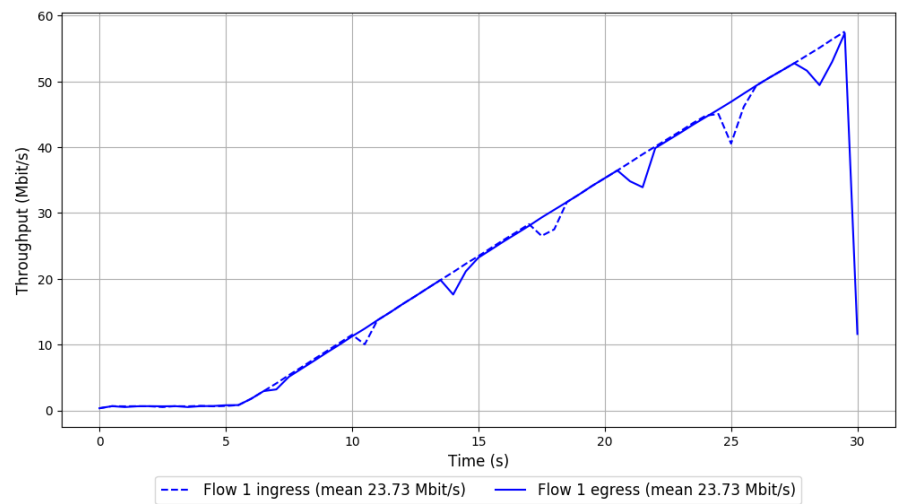
-- Flow 1:

Average throughput: 23.73 Mbit/s

95th percentile per-packet one-way delay: 52.575 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-16 10:09:56

End at: 2018-02-16 10:10:26

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.43 Mbit/s

95th percentile per-packet one-way delay: 54.040 ms

Loss rate: 0.00%

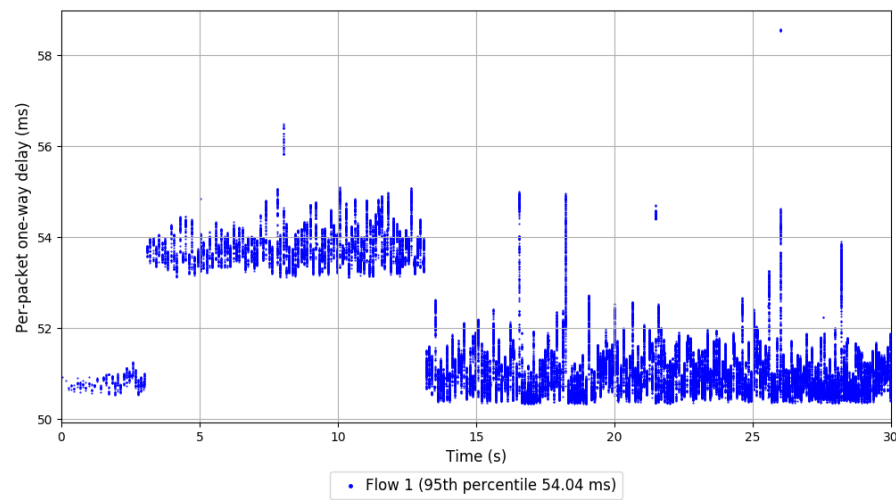
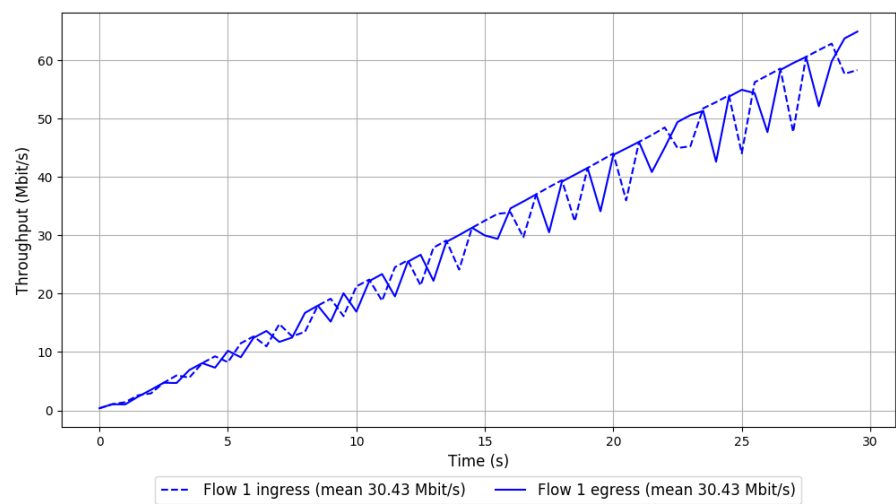
-- Flow 1:

Average throughput: 30.43 Mbit/s

95th percentile per-packet one-way delay: 54.040 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-16 10:24:24

End at: 2018-02-16 10:24:54

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 55.163 ms

Loss rate: 0.00%

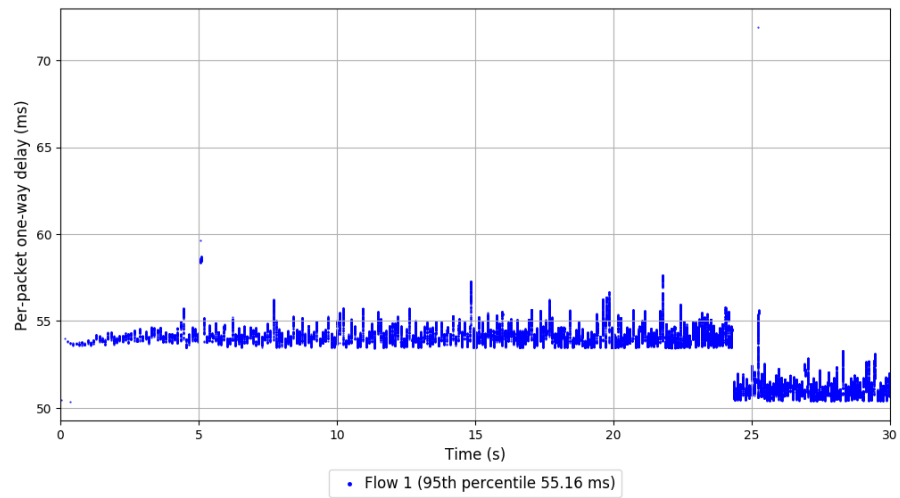
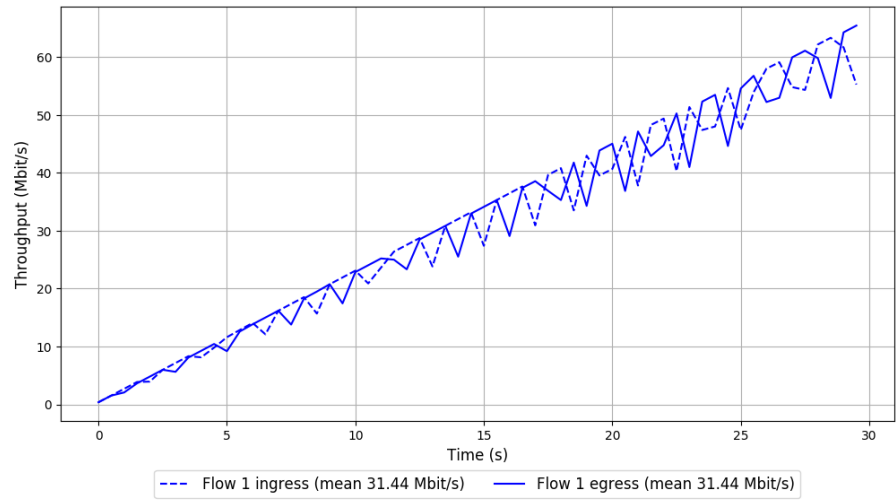
-- Flow 1:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 55.163 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-16 10:38:59

End at: 2018-02-16 10:39:29

Below is generated by plot.py at 2018-02-16 12:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 52.186 ms

Loss rate: 0.00%

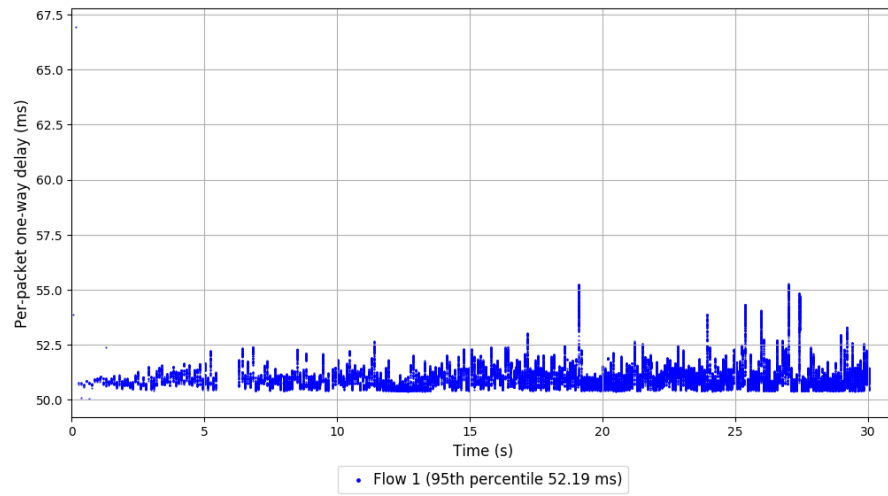
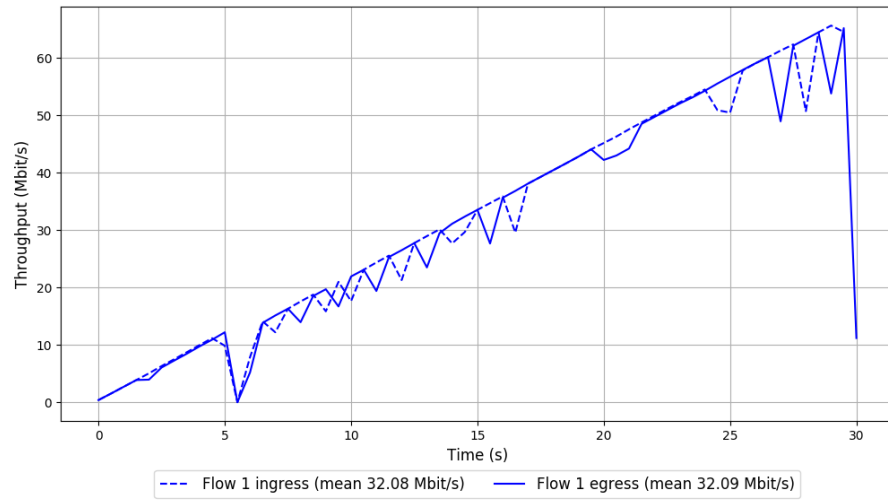
-- Flow 1:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 52.186 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-02-16 08:39:49

End at: 2018-02-16 08:40:19

Below is generated by plot.py at 2018-02-16 12:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.56 Mbit/s

95th percentile per-packet one-way delay: 127.900 ms

Loss rate: 0.80%

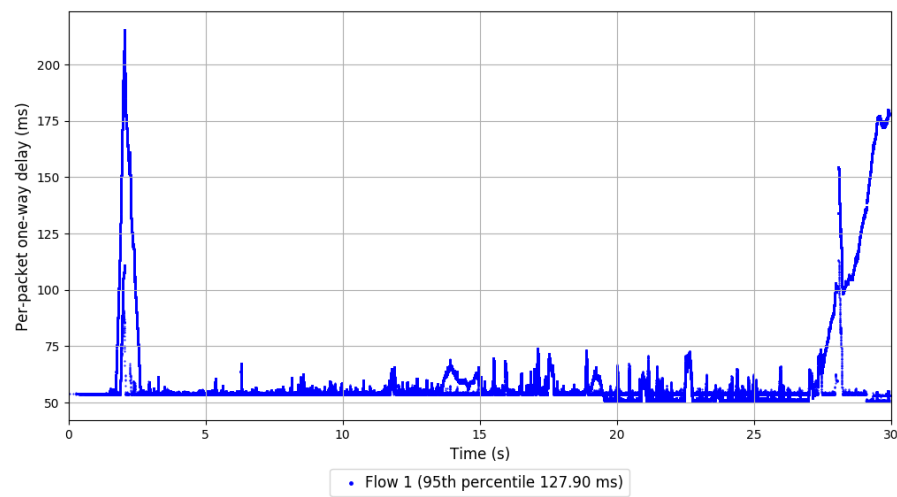
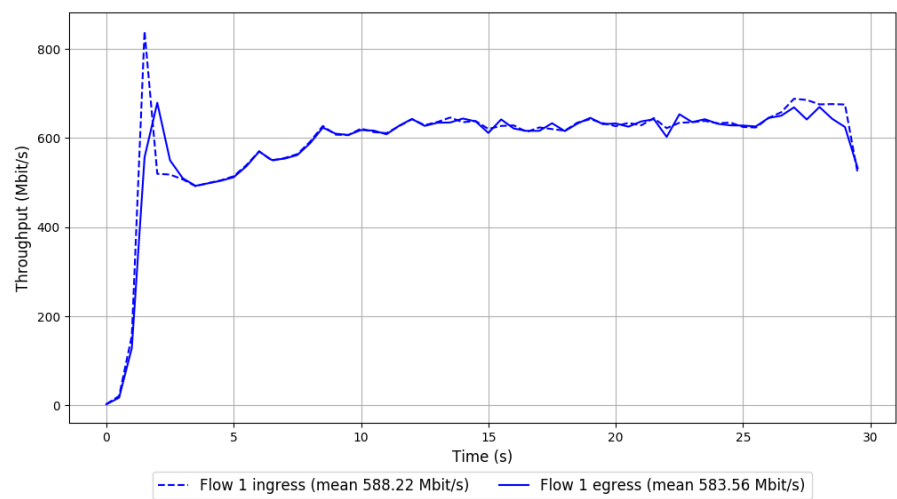
-- Flow 1:

Average throughput: 583.56 Mbit/s

95th percentile per-packet one-way delay: 127.900 ms

Loss rate: 0.80%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-16 08:54:18

End at: 2018-02-16 08:54:48

Below is generated by plot.py at 2018-02-16 12:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.64 Mbit/s

95th percentile per-packet one-way delay: 61.000 ms

Loss rate: 0.20%

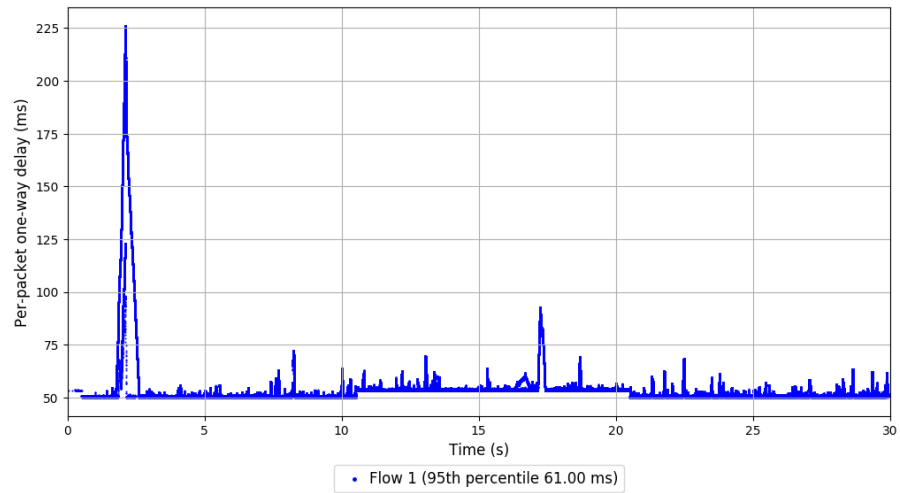
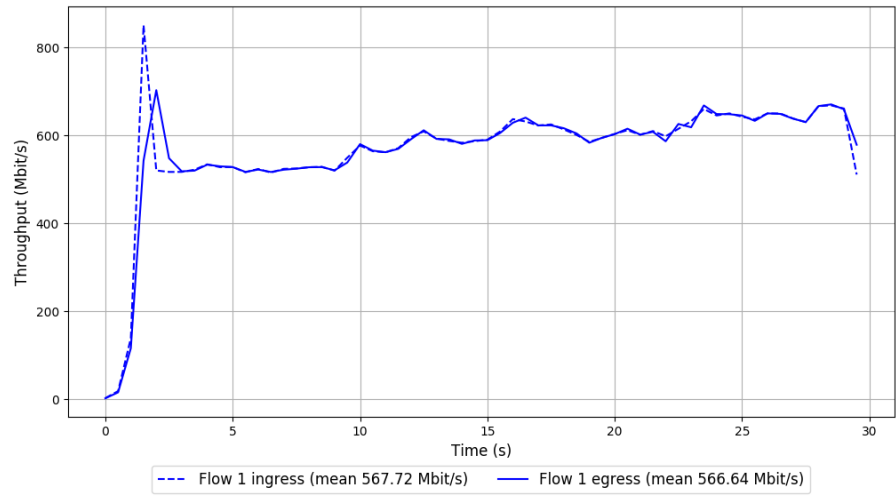
-- Flow 1:

Average throughput: 566.64 Mbit/s

95th percentile per-packet one-way delay: 61.000 ms

Loss rate: 0.20%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-16 09:08:43

End at: 2018-02-16 09:09:13

Below is generated by plot.py at 2018-02-16 12:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.73 Mbit/s

95th percentile per-packet one-way delay: 208.513 ms

Loss rate: 3.18%

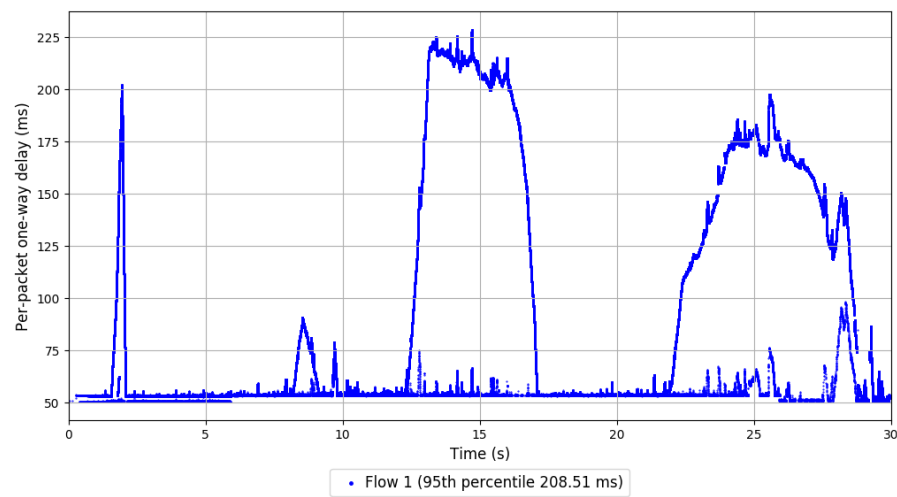
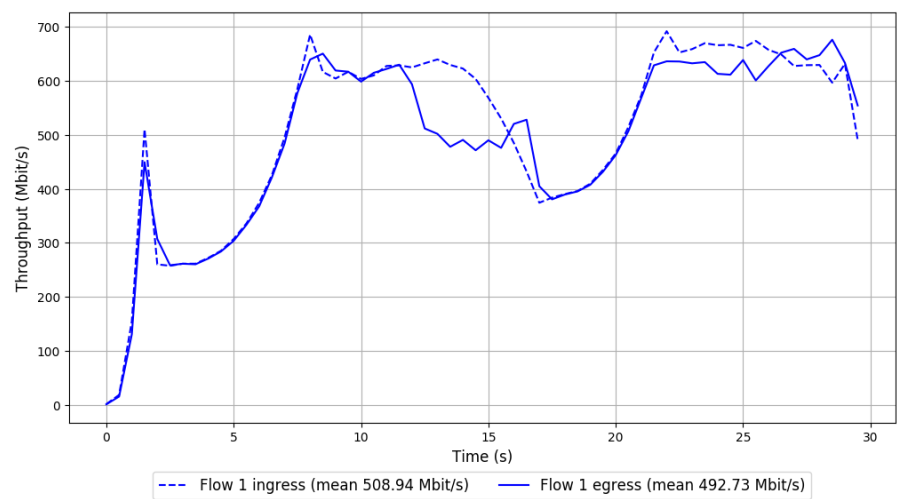
-- Flow 1:

Average throughput: 492.73 Mbit/s

95th percentile per-packet one-way delay: 208.513 ms

Loss rate: 3.18%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-16 09:23:10

End at: 2018-02-16 09:23:40

Below is generated by plot.py at 2018-02-16 12:52:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.86 Mbit/s

95th percentile per-packet one-way delay: 66.527 ms

Loss rate: 0.24%

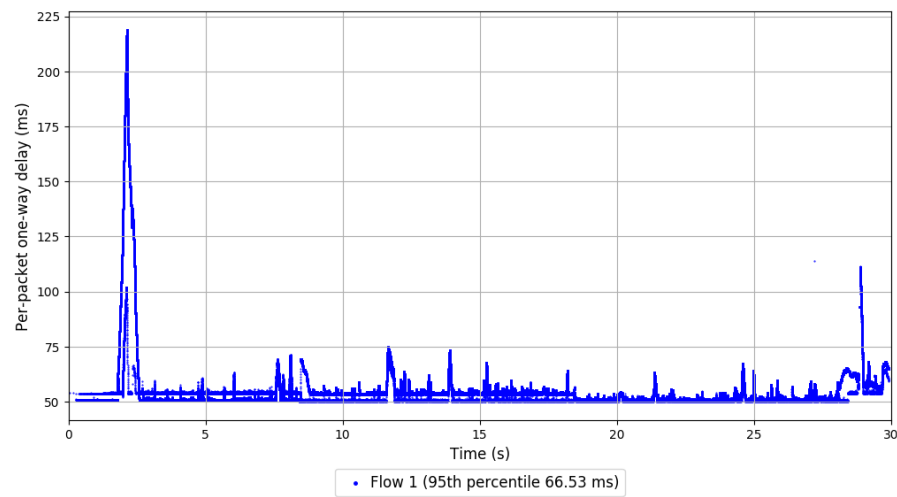
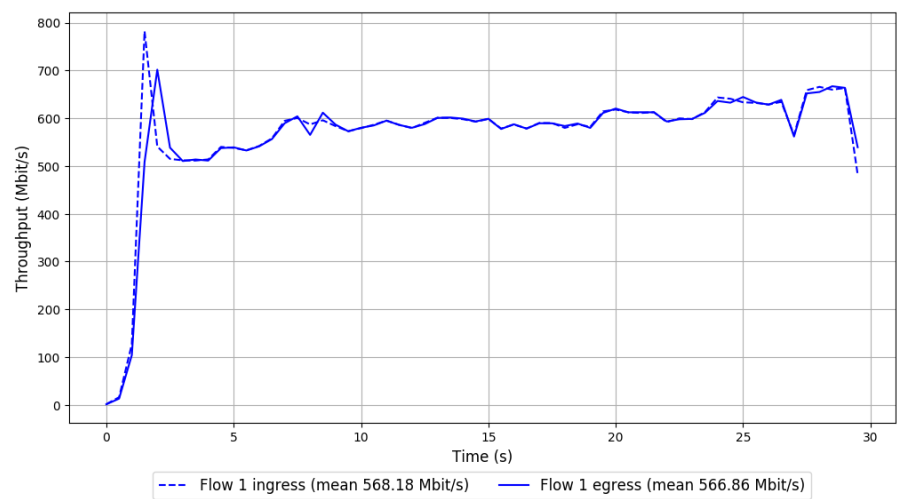
-- Flow 1:

Average throughput: 566.86 Mbit/s

95th percentile per-packet one-way delay: 66.527 ms

Loss rate: 0.24%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-16 09:37:23

End at: 2018-02-16 09:37:53

Below is generated by plot.py at 2018-02-16 12:52:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 420.20 Mbit/s

95th percentile per-packet one-way delay: 55.886 ms

Loss rate: 0.00%

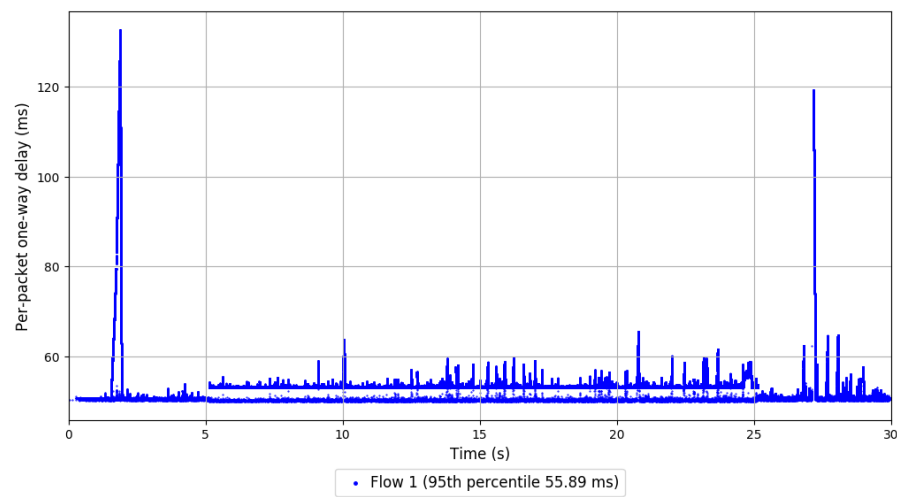
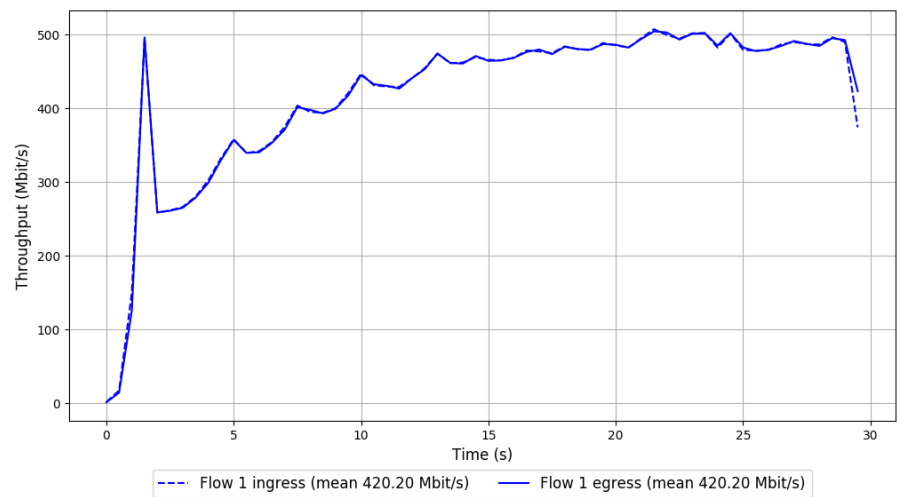
-- Flow 1:

Average throughput: 420.20 Mbit/s

95th percentile per-packet one-way delay: 55.886 ms

Loss rate: 0.00%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-16 09:52:04

End at: 2018-02-16 09:52:34

Below is generated by plot.py at 2018-02-16 12:52:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 543.80 Mbit/s

95th percentile per-packet one-way delay: 201.098 ms

Loss rate: 3.51%

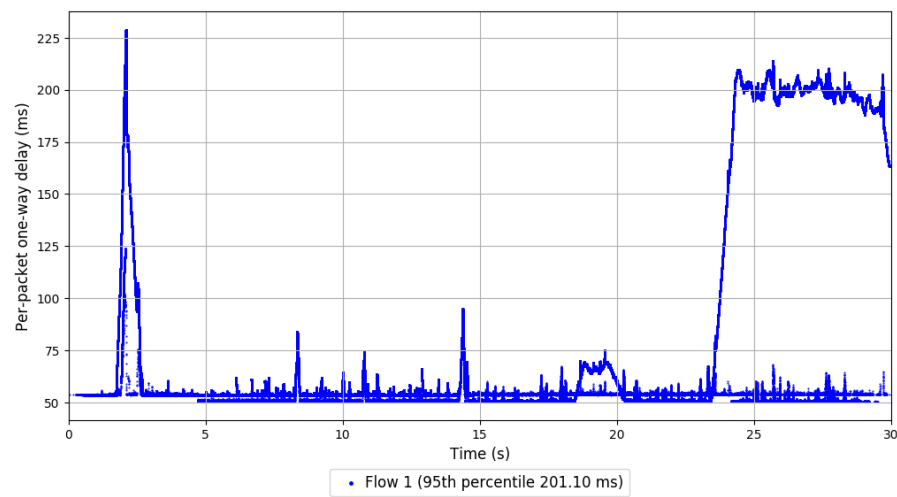
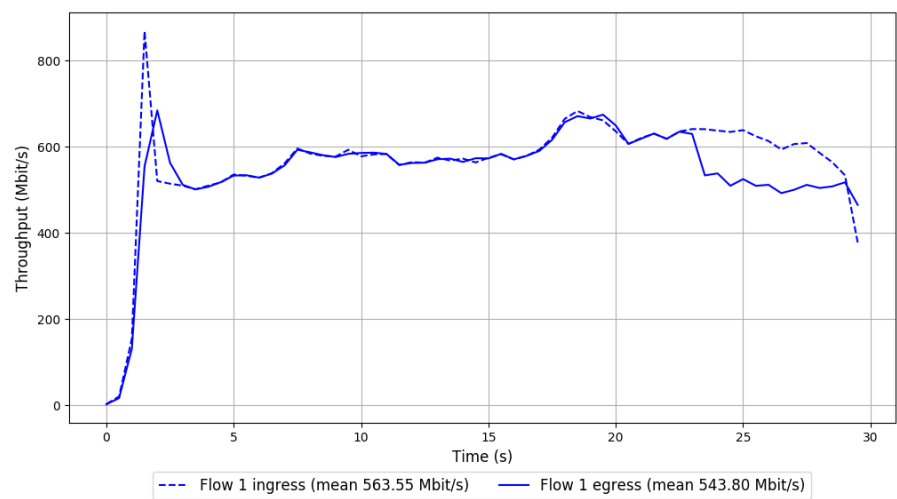
-- Flow 1:

Average throughput: 543.80 Mbit/s

95th percentile per-packet one-way delay: 201.098 ms

Loss rate: 3.51%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-16 10:06:25

End at: 2018-02-16 10:06:55

Below is generated by plot.py at 2018-02-16 12:52:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.96 Mbit/s

95th percentile per-packet one-way delay: 210.956 ms

Loss rate: 5.99%

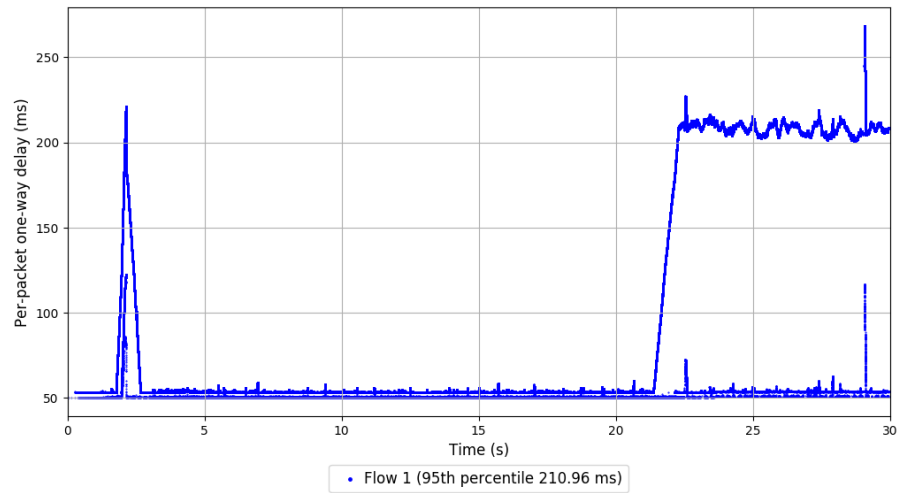
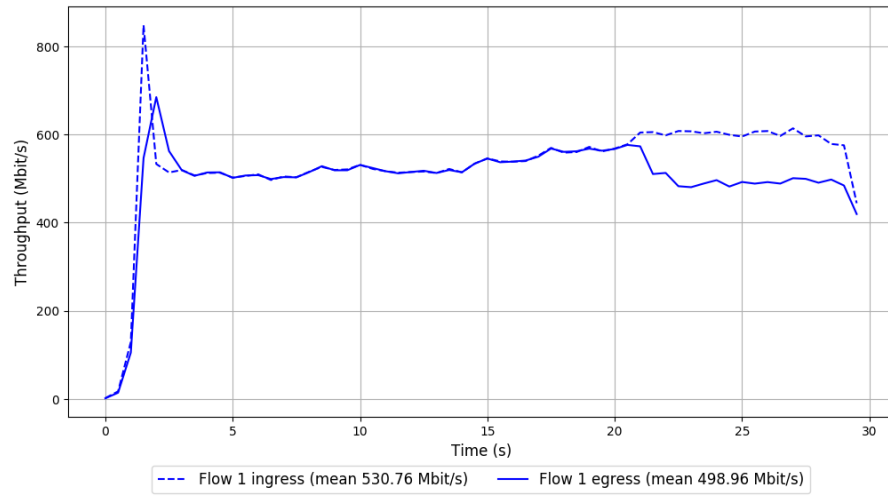
-- Flow 1:

Average throughput: 498.96 Mbit/s

95th percentile per-packet one-way delay: 210.956 ms

Loss rate: 5.99%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-16 10:20:52

End at: 2018-02-16 10:21:22

Below is generated by plot.py at 2018-02-16 12:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 581.33 Mbit/s

95th percentile per-packet one-way delay: 171.713 ms

Loss rate: 0.71%

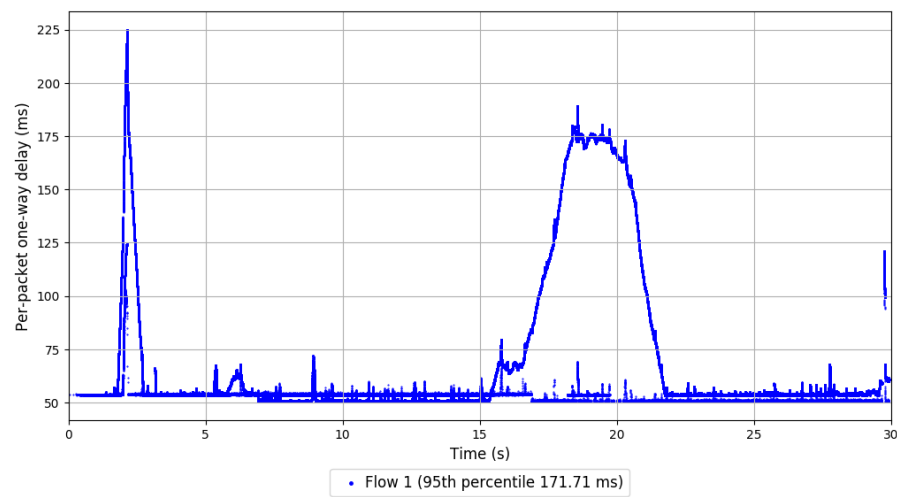
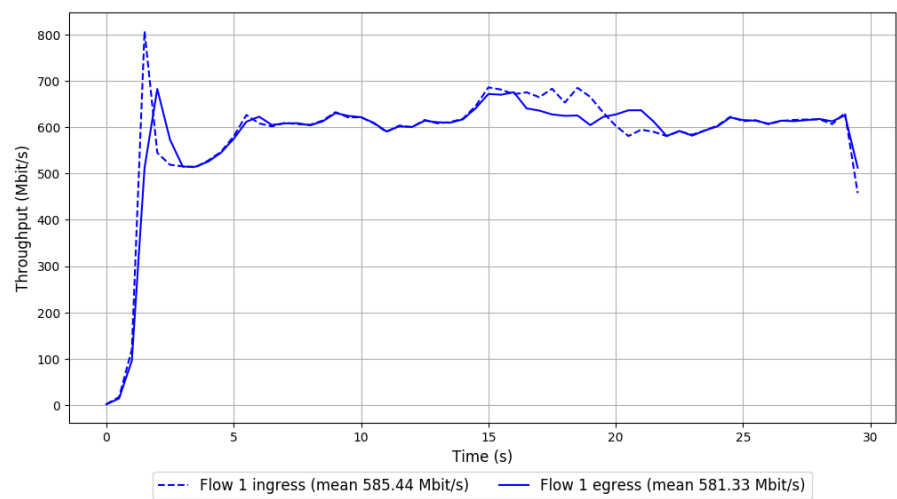
-- Flow 1:

Average throughput: 581.33 Mbit/s

95th percentile per-packet one-way delay: 171.713 ms

Loss rate: 0.71%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-16 10:35:26

End at: 2018-02-16 10:35:56

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 586.00 Mbit/s

95th percentile per-packet one-way delay: 92.866 ms

Loss rate: 0.17%

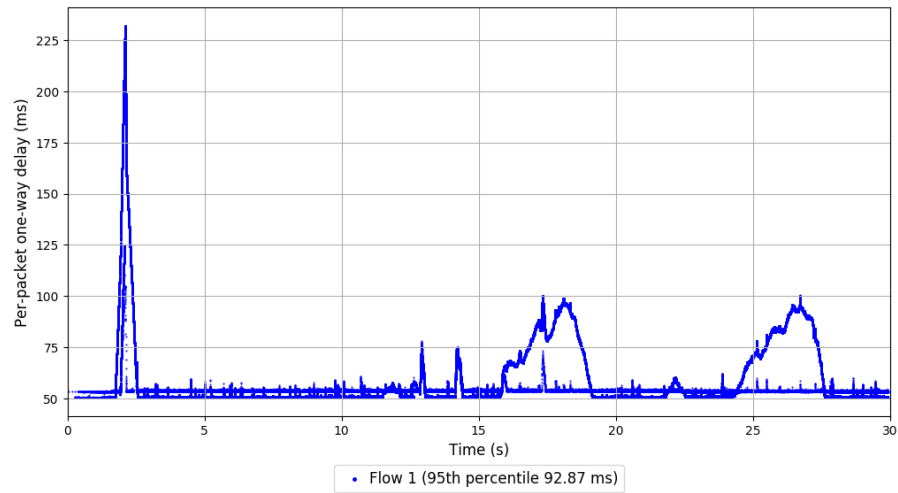
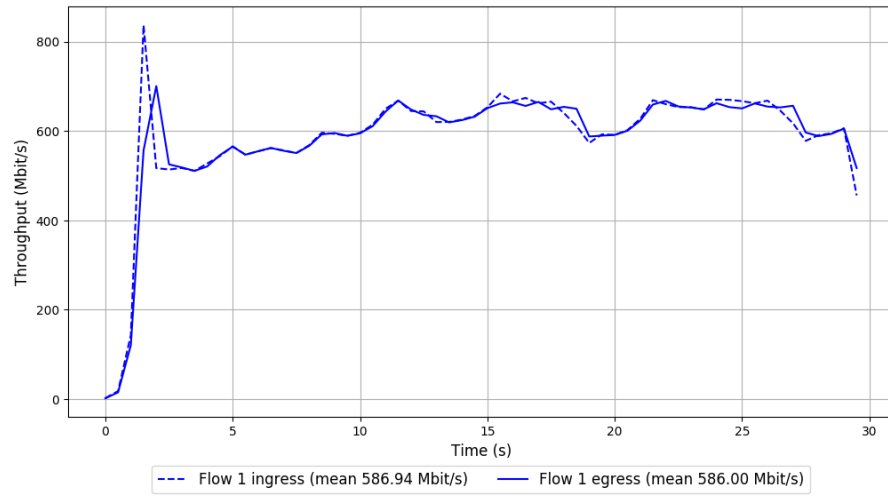
-- Flow 1:

Average throughput: 586.00 Mbit/s

95th percentile per-packet one-way delay: 92.866 ms

Loss rate: 0.17%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-16 10:49:54

End at: 2018-02-16 10:50:24

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.36 Mbit/s

95th percentile per-packet one-way delay: 73.600 ms

Loss rate: 0.04%

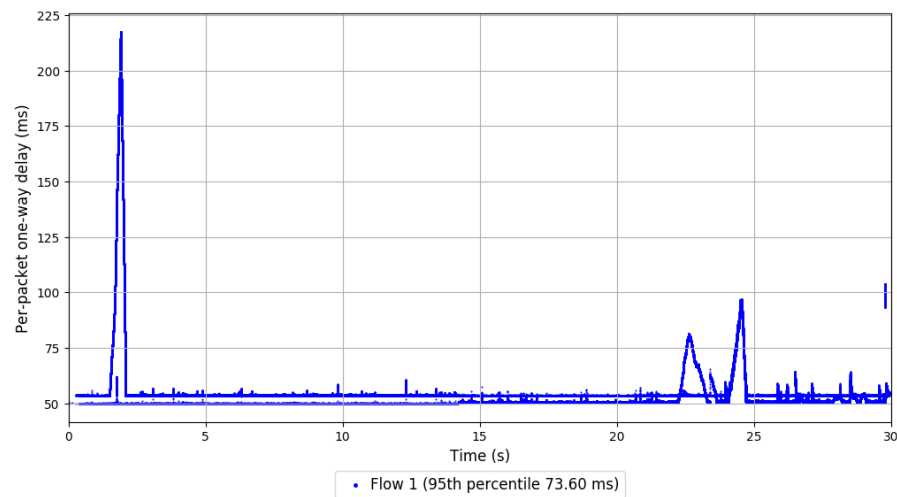
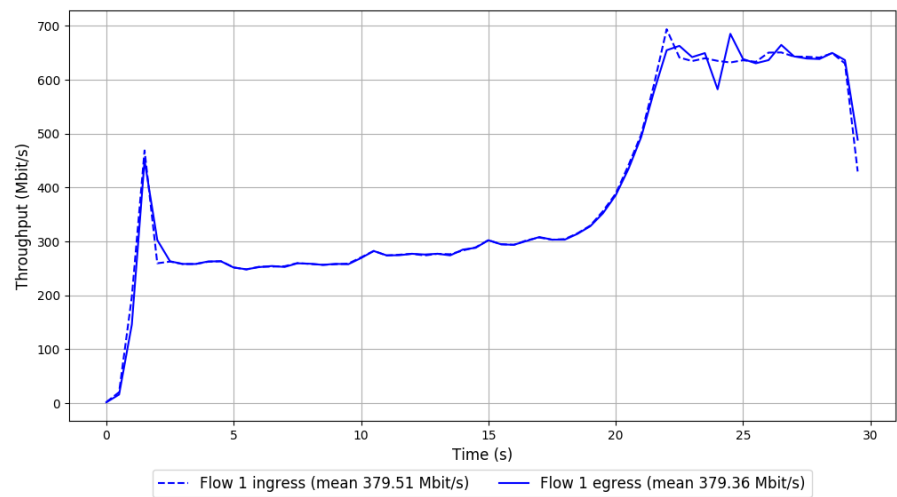
-- Flow 1:

Average throughput: 379.36 Mbit/s

95th percentile per-packet one-way delay: 73.600 ms

Loss rate: 0.04%

Run 10: Report of PCC — Data Link

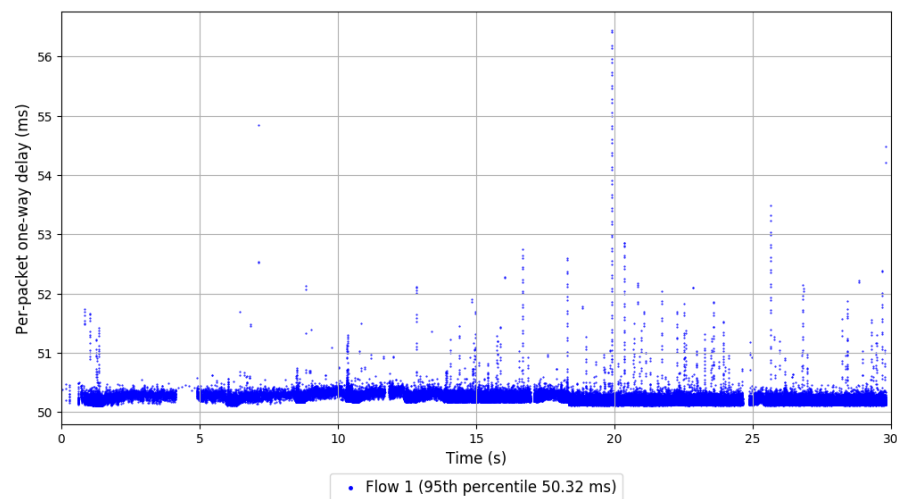
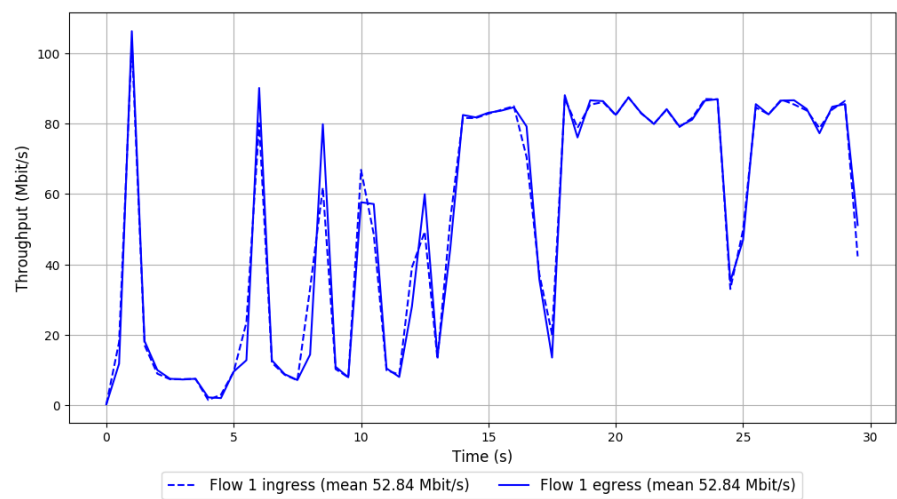


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 08:39:10
End at: 2018-02-16 08:39:40

# Below is generated by plot.py at 2018-02-16 13:01:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 50.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 50.322 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

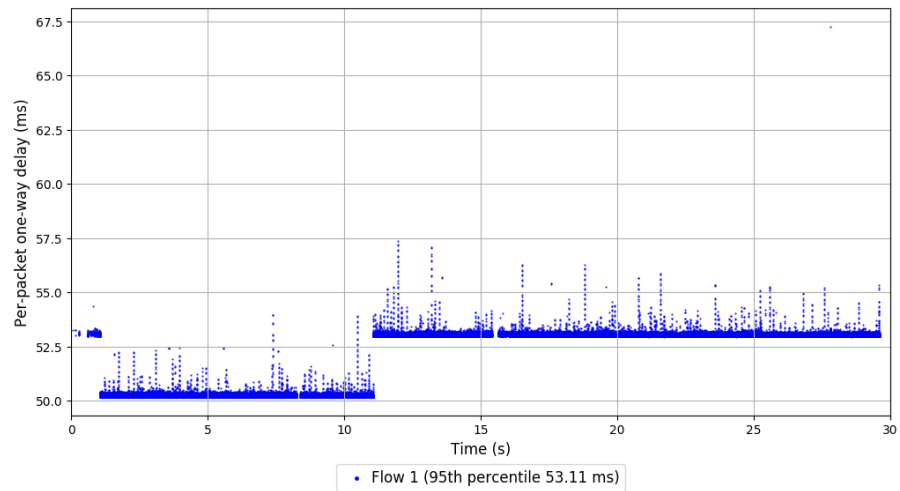
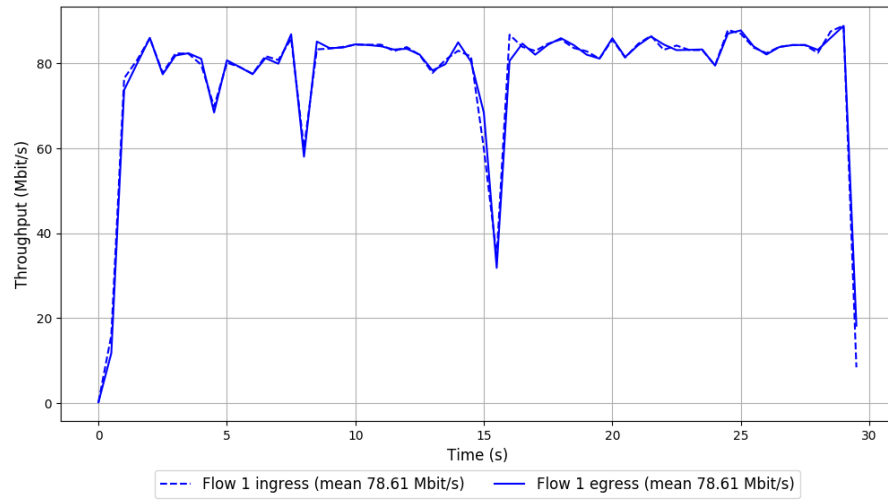


```
Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 08:53:37
End at: 2018-02-16 08:54:07

# Below is generated by plot.py at 2018-02-16 13:01:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 53.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 53.109 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 09:08:02

End at: 2018-02-16 09:08:32

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 50.819 ms

Loss rate: 0.00%

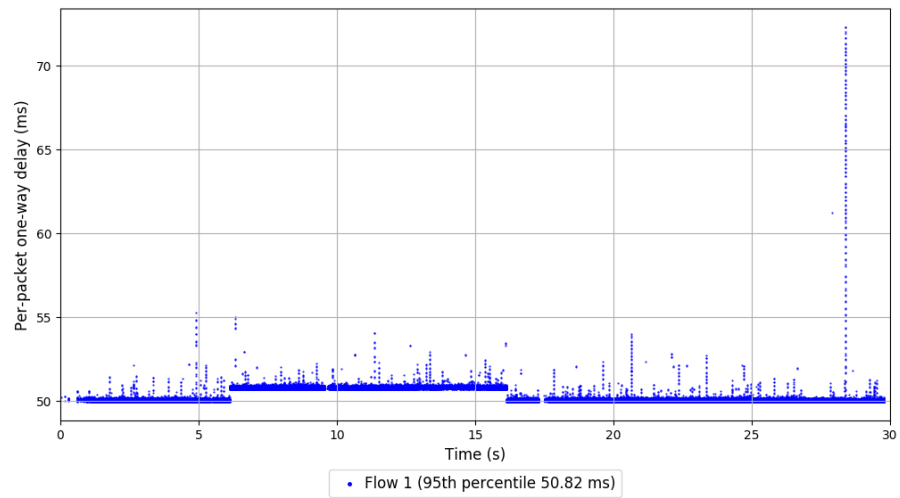
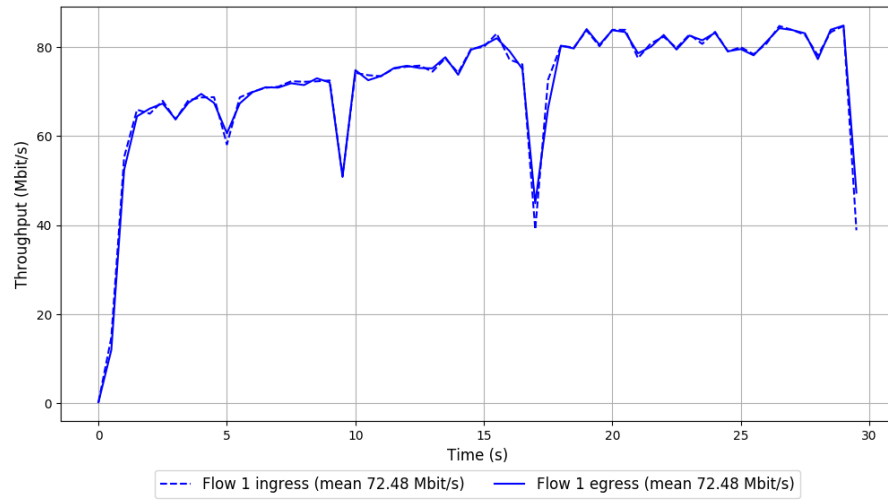
-- Flow 1:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 50.819 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 09:22:30

End at: 2018-02-16 09:23:00

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.00 Mbit/s

95th percentile per-packet one-way delay: 53.089 ms

Loss rate: 0.00%

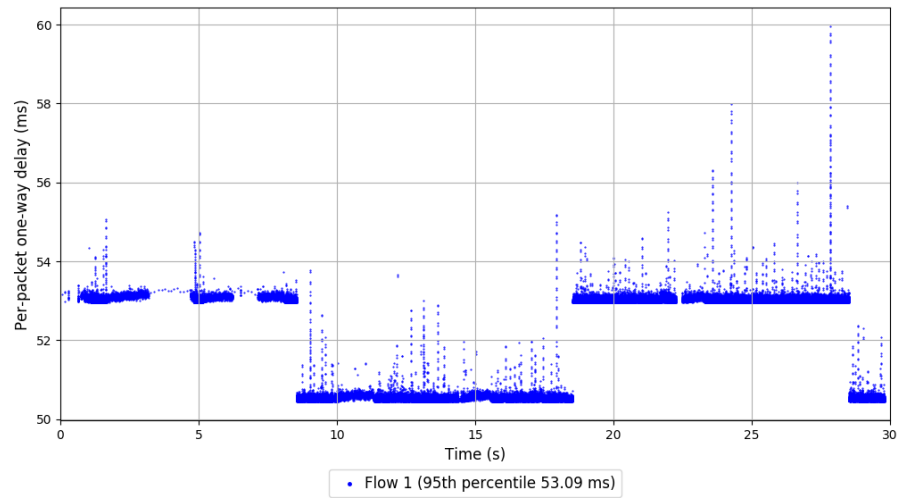
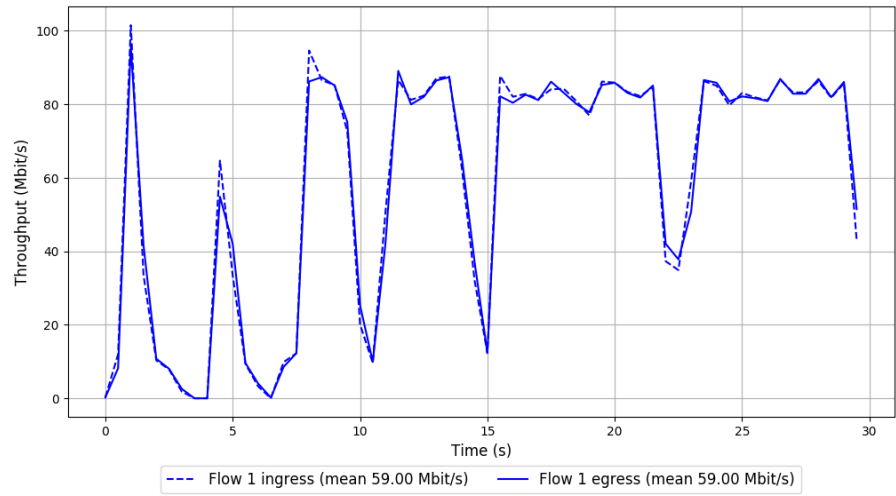
-- Flow 1:

Average throughput: 59.00 Mbit/s

95th percentile per-packet one-way delay: 53.089 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 09:36:44

End at: 2018-02-16 09:37:14

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 53.511 ms

Loss rate: 0.01%

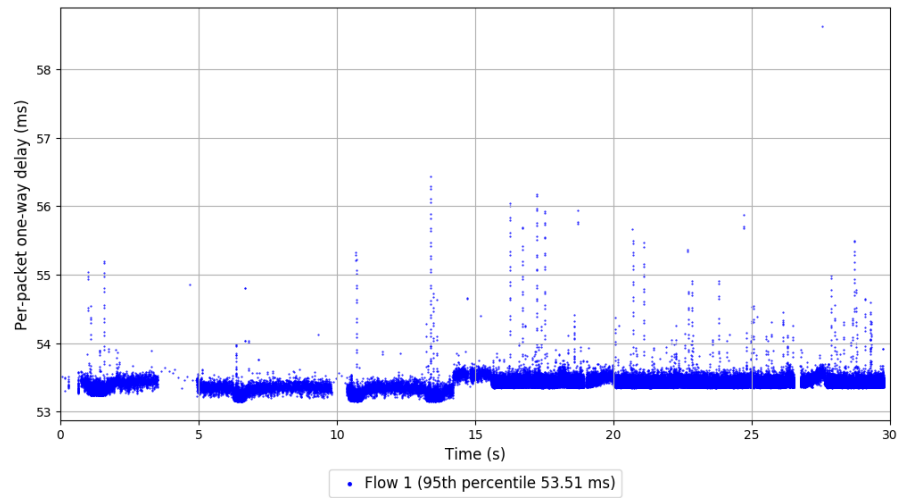
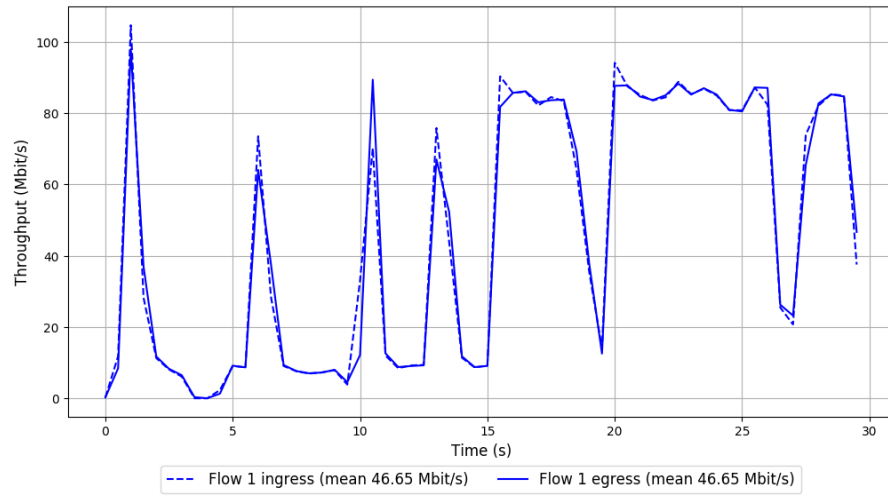
-- Flow 1:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 53.511 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 09:51:25

End at: 2018-02-16 09:51:55

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.90 Mbit/s

95th percentile per-packet one-way delay: 53.236 ms

Loss rate: 0.01%

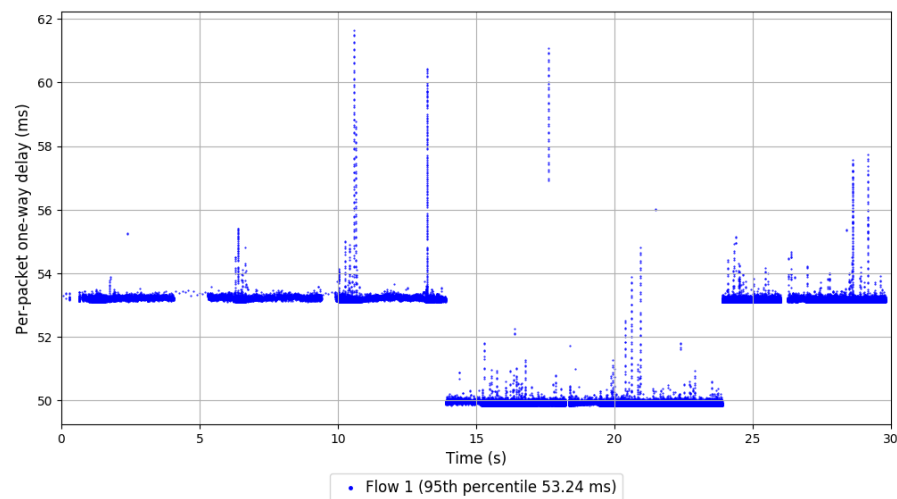
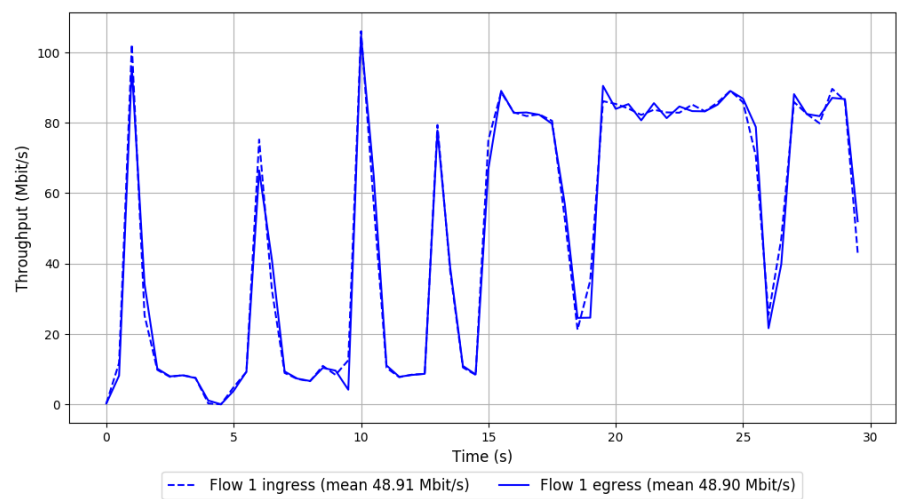
-- Flow 1:

Average throughput: 48.90 Mbit/s

95th percentile per-packet one-way delay: 53.236 ms

Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 10:05:45

End at: 2018-02-16 10:06:15

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.05 Mbit/s

95th percentile per-packet one-way delay: 51.085 ms

Loss rate: 0.00%

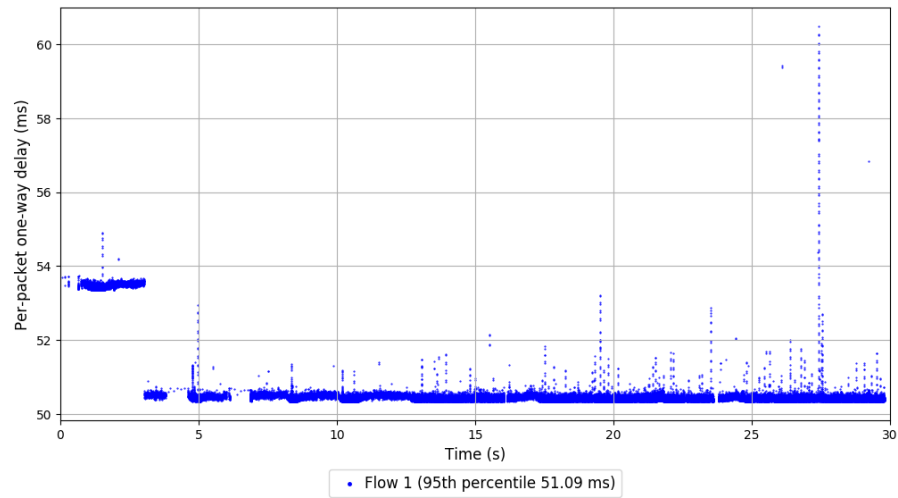
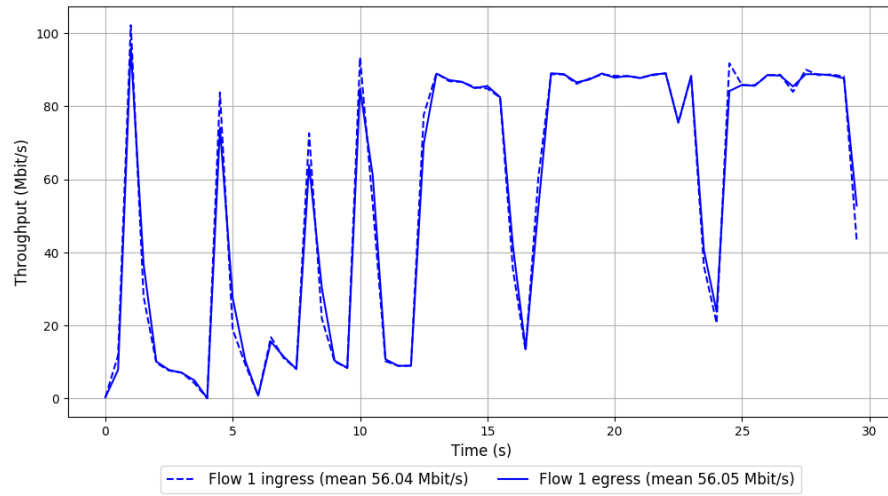
-- Flow 1:

Average throughput: 56.05 Mbit/s

95th percentile per-packet one-way delay: 51.085 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 10:20:12

End at: 2018-02-16 10:20:42

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.96 Mbit/s

95th percentile per-packet one-way delay: 50.344 ms

Loss rate: 0.00%

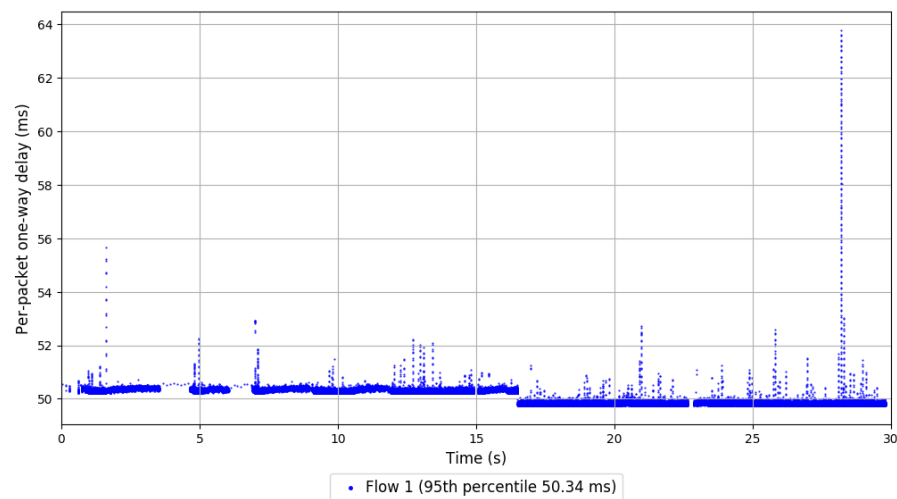
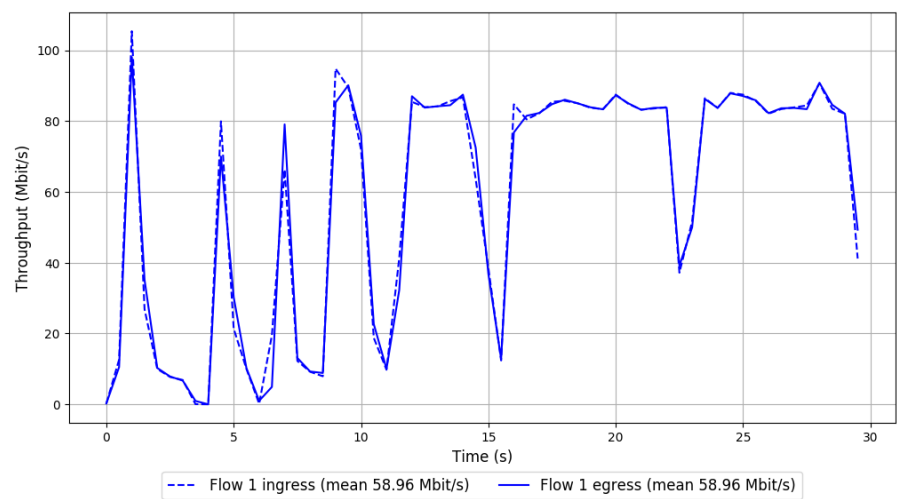
-- Flow 1:

Average throughput: 58.96 Mbit/s

95th percentile per-packet one-way delay: 50.344 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

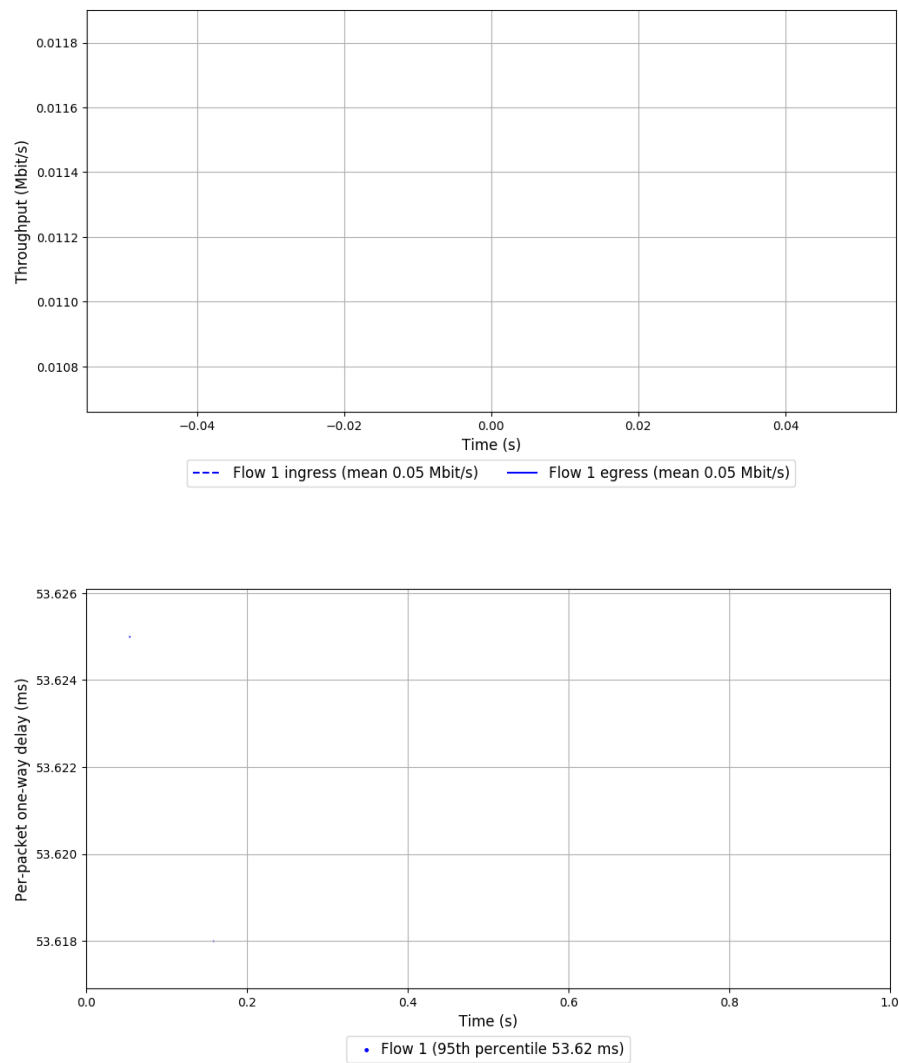


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 10:34:50

End at: 2018-02-16 10:35:20

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 10:49:15

End at: 2018-02-16 10:49:45

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 53.764 ms

Loss rate: 0.01%

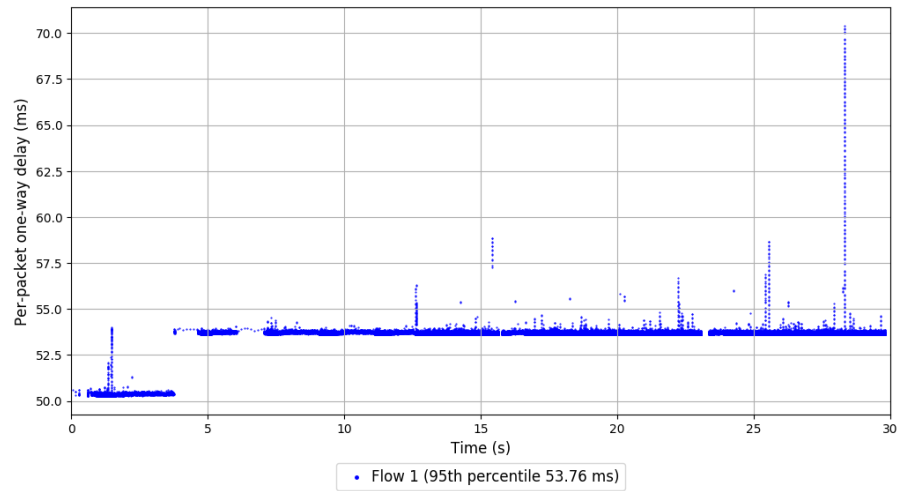
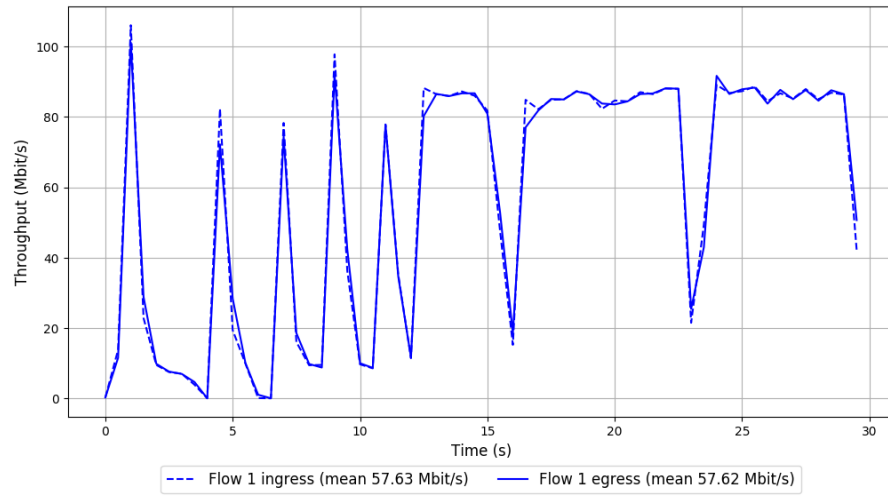
-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 53.764 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

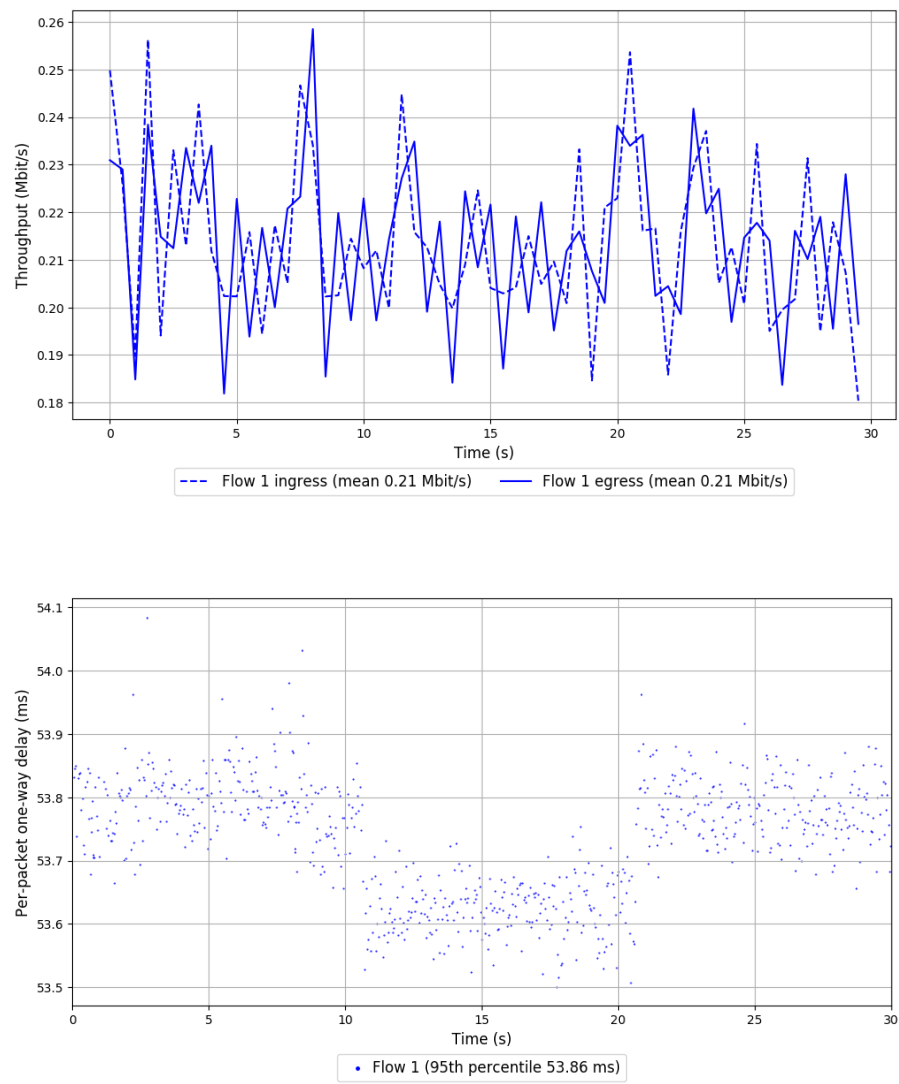


```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 08:35:58
End at: 2018-02-16 08:36:28

# Below is generated by plot.py at 2018-02-16 13:01:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.860 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

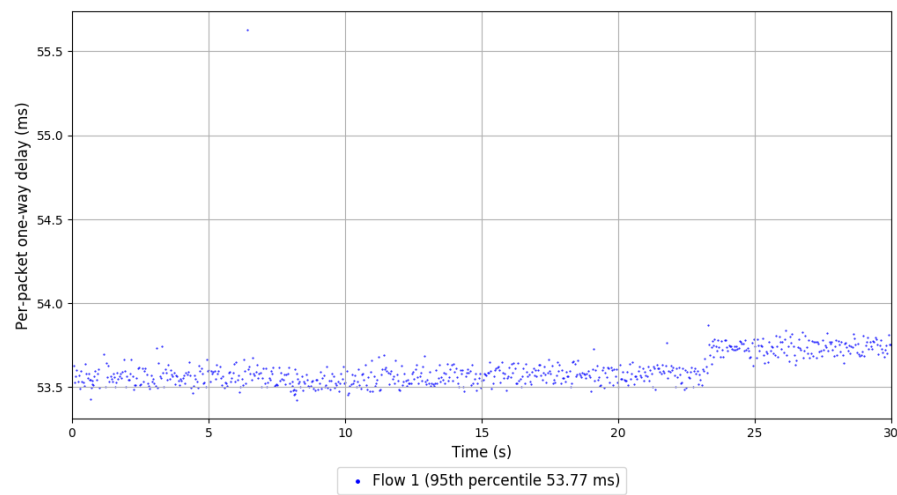
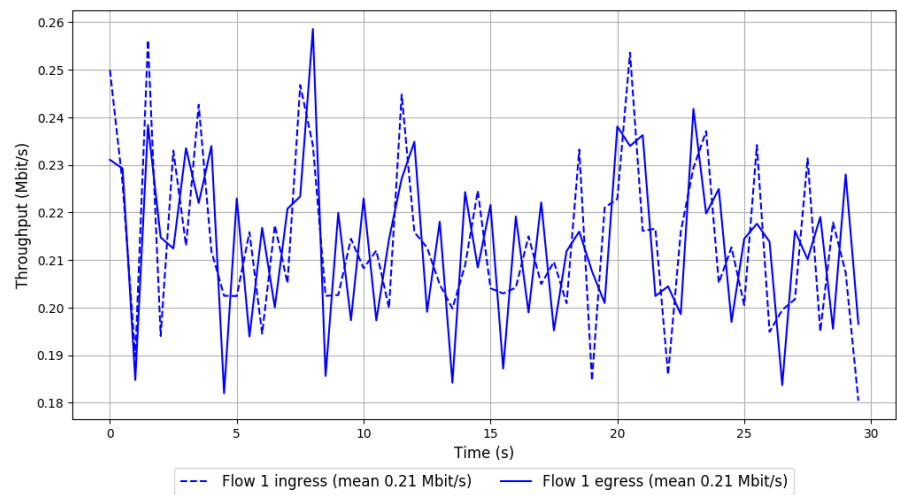


```
Run 2: Statistics of SCReAM

Start at: 2018-02-16 08:50:25
End at: 2018-02-16 08:50:55

# Below is generated by plot.py at 2018-02-16 13:01:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.771 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-16 09:04:50

End at: 2018-02-16 09:05:20

Below is generated by plot.py at 2018-02-16 13:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.729 ms

Loss rate: 0.00%

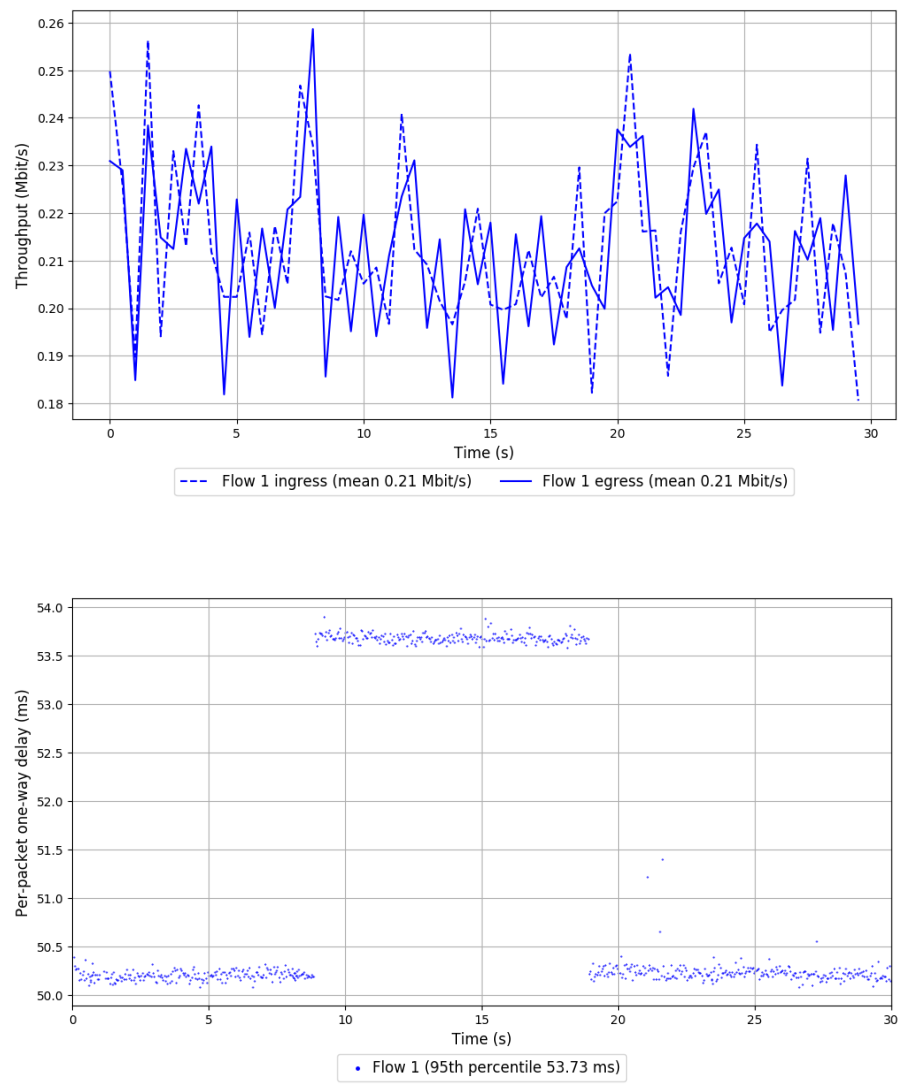
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.729 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-16 09:19:15

End at: 2018-02-16 09:19:45

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.620 ms

Loss rate: 0.00%

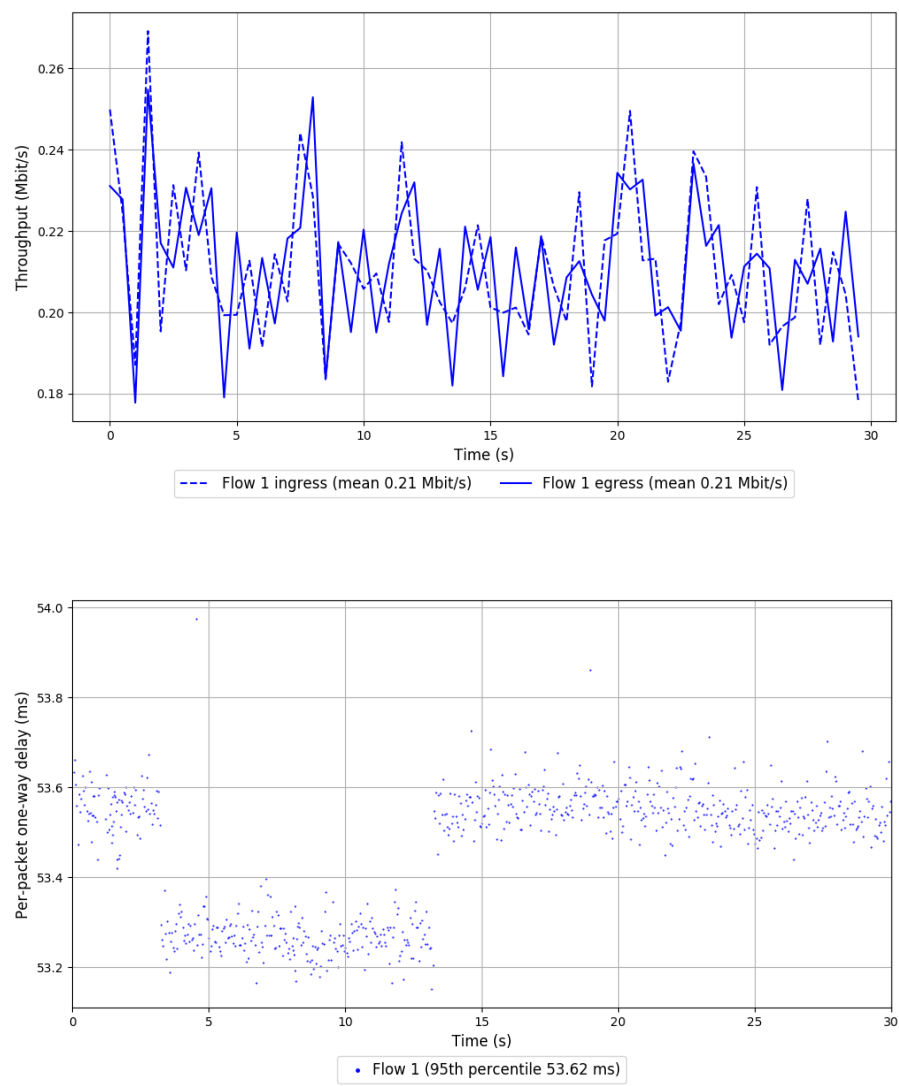
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.620 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-16 09:33:31

End at: 2018-02-16 09:34:01

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.376 ms

Loss rate: 0.00%

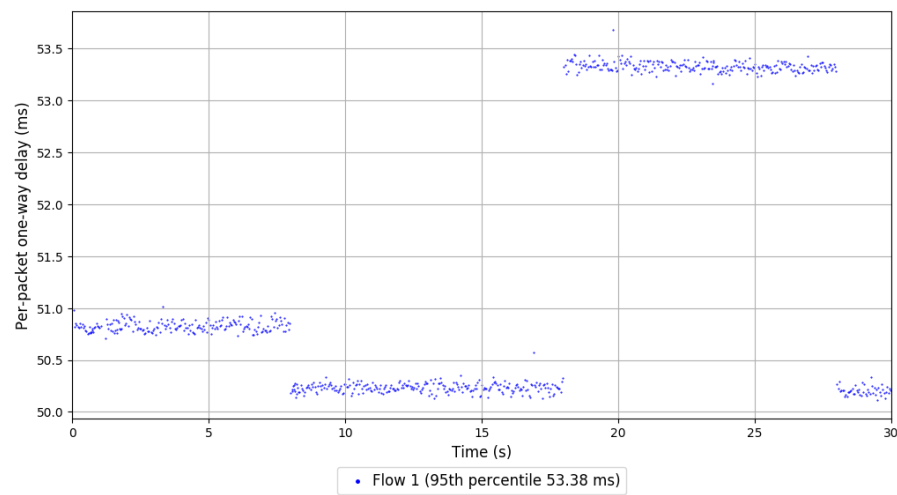
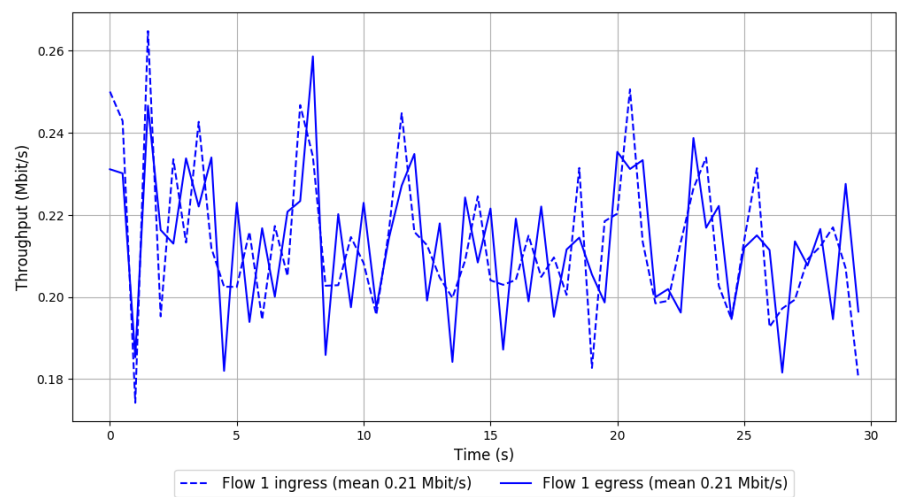
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.376 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-16 09:48:08

End at: 2018-02-16 09:48:38

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.708 ms

Loss rate: 0.00%

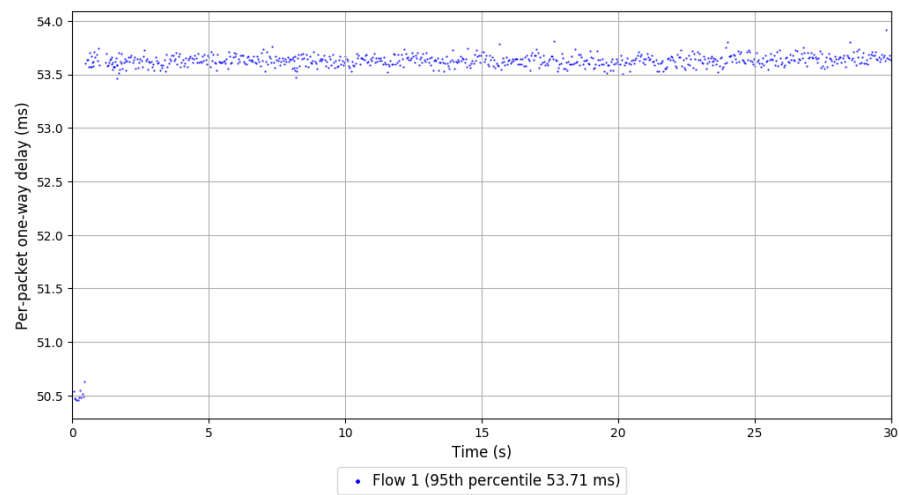
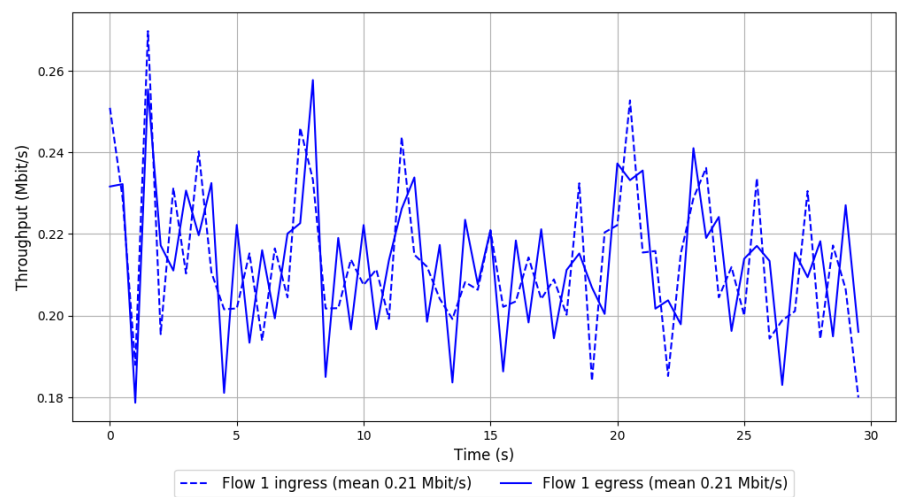
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.708 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-02-16 10:02:33

End at: 2018-02-16 10:03:04

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.787 ms

Loss rate: 0.00%

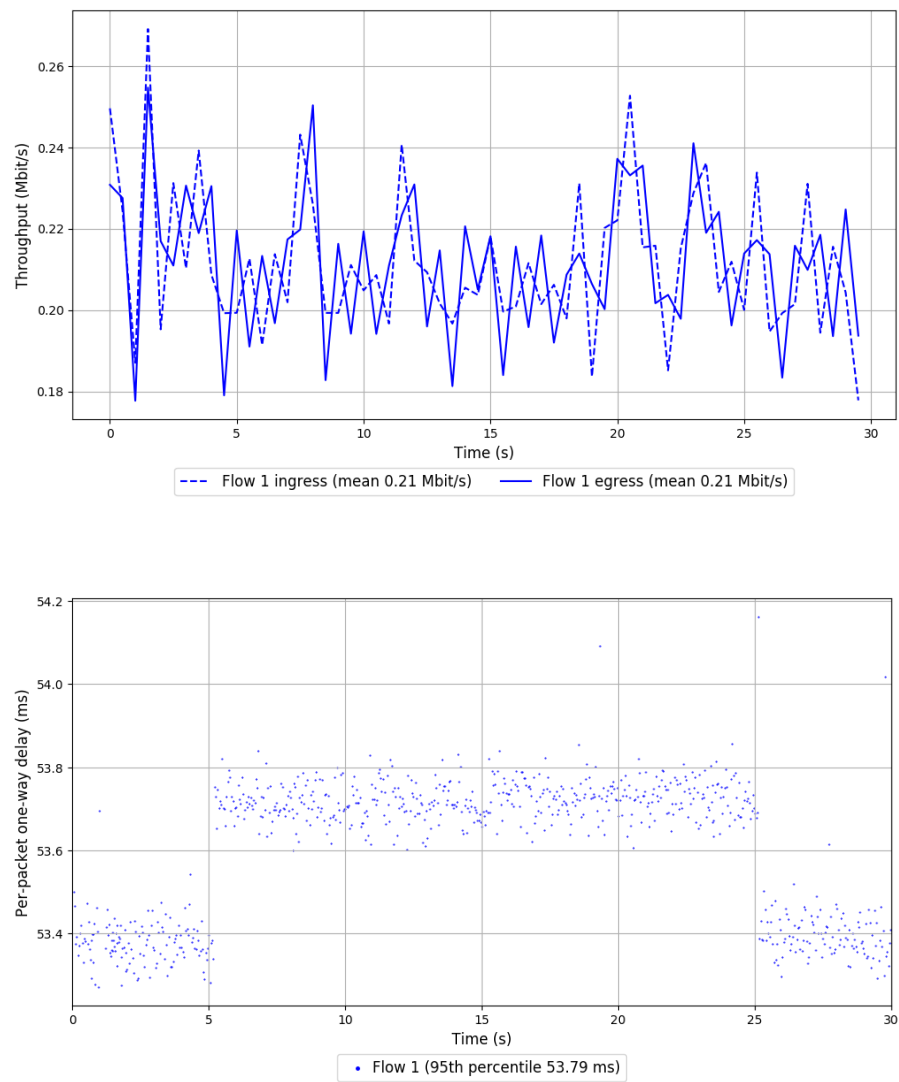
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.787 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-16 10:16:56

End at: 2018-02-16 10:17:26

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.556 ms

Loss rate: 0.00%

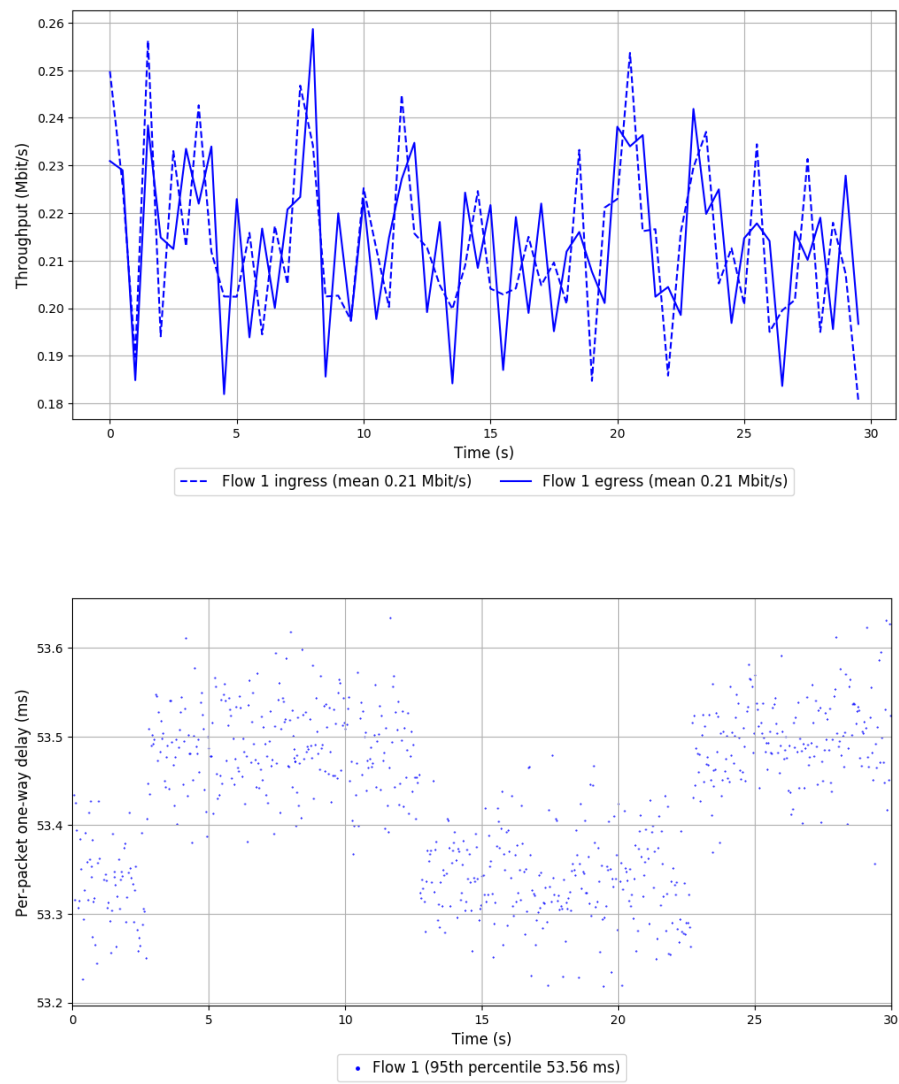
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.556 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-16 10:31:32

End at: 2018-02-16 10:32:02

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.048 ms

Loss rate: 0.00%

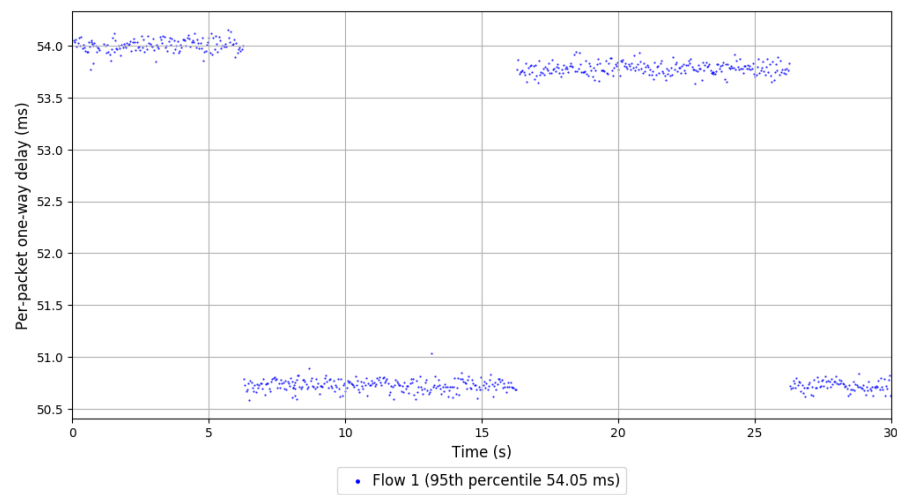
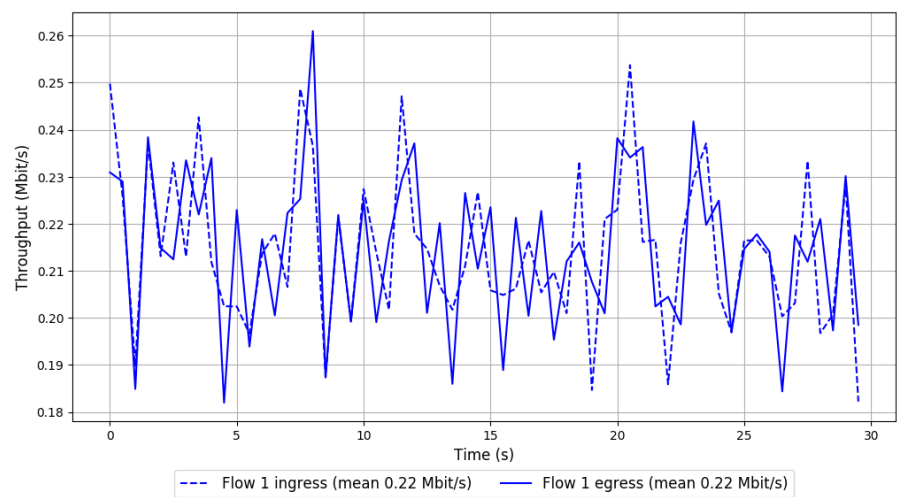
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.048 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-16 10:46:00

End at: 2018-02-16 10:46:30

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.249 ms

Loss rate: 0.00%

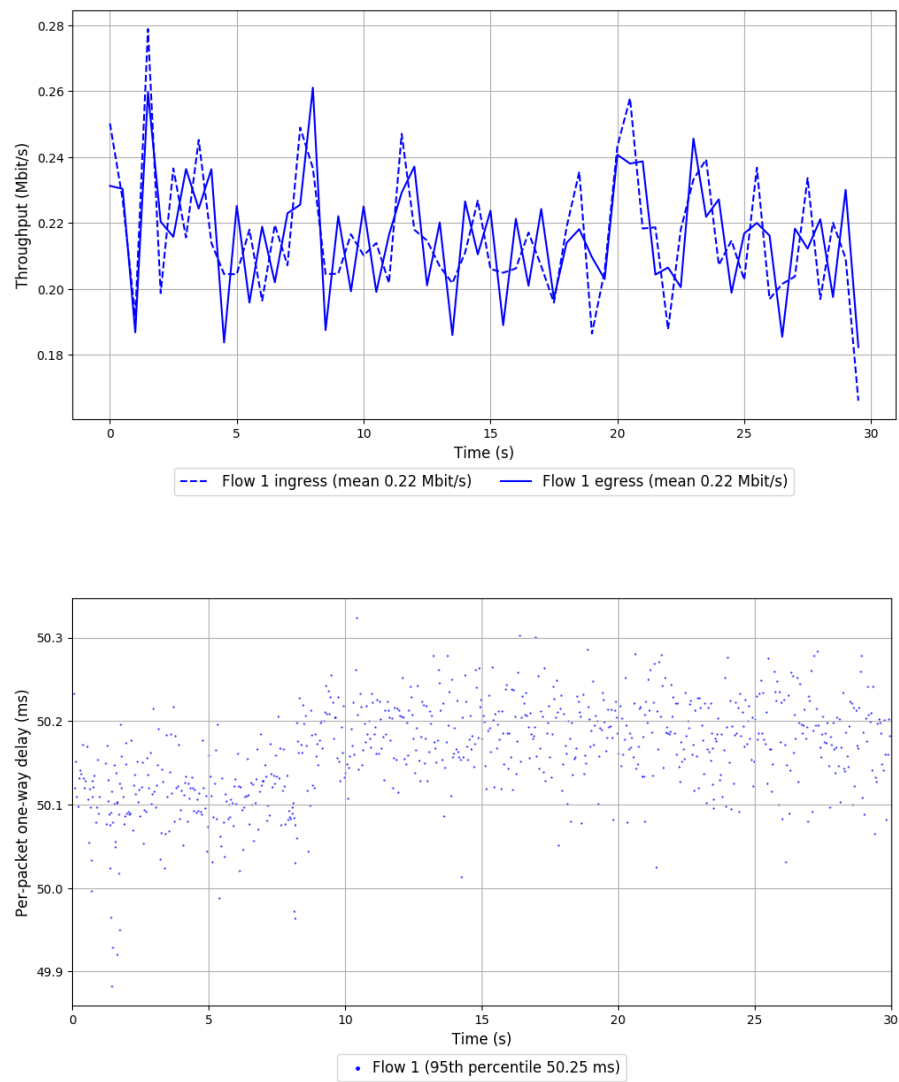
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.249 ms

Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

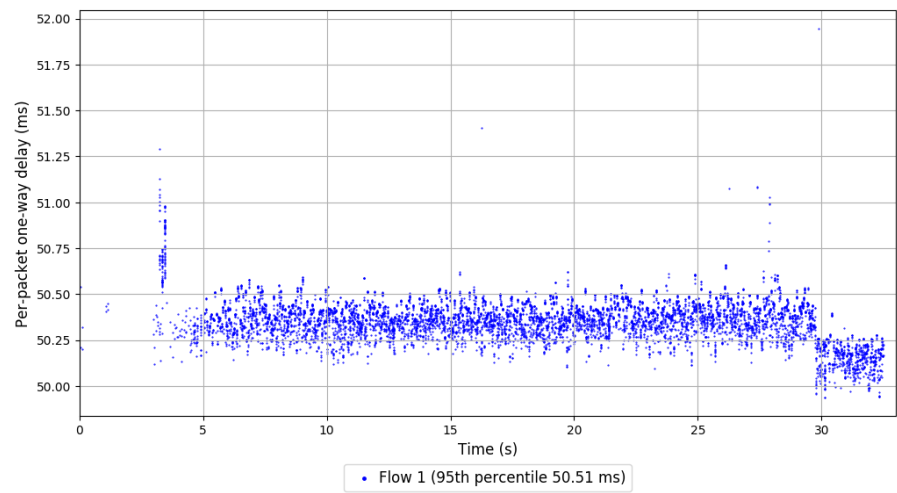
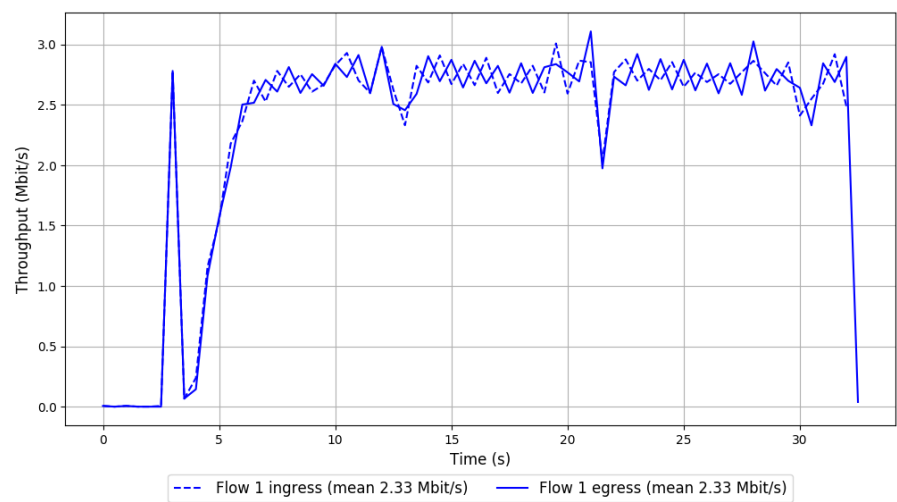


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-16 08:31:41
End at: 2018-02-16 08:32:11

# Below is generated by plot.py at 2018-02-16 13:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-16 08:46:13

End at: 2018-02-16 08:46:43

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 53.865 ms

Loss rate: 0.09%

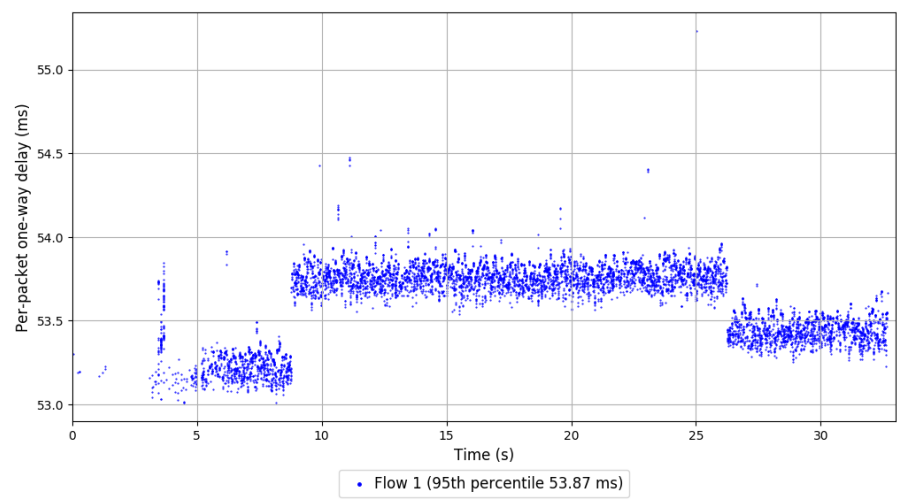
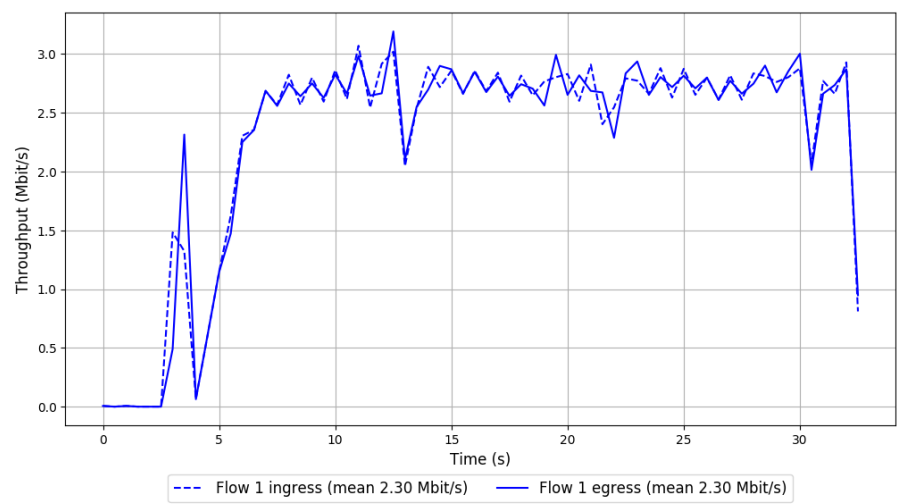
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 53.865 ms

Loss rate: 0.09%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-16 09:00:36

End at: 2018-02-16 09:01:06

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 53.623 ms

Loss rate: 0.00%

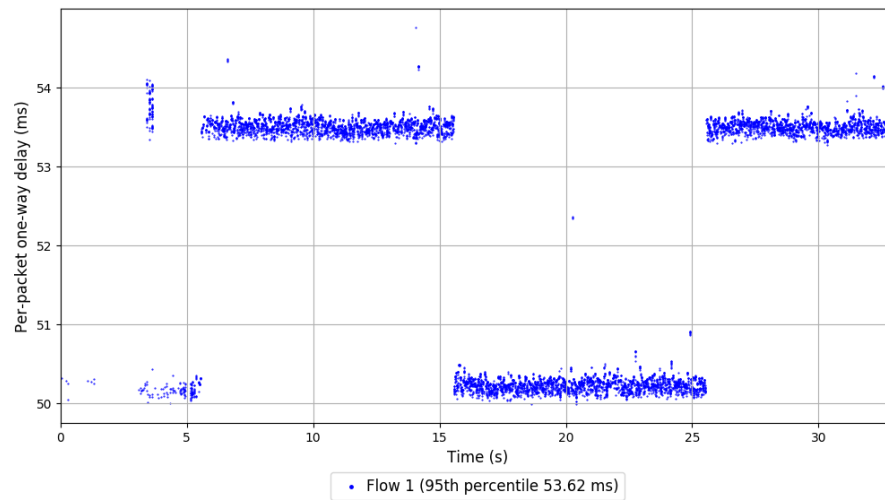
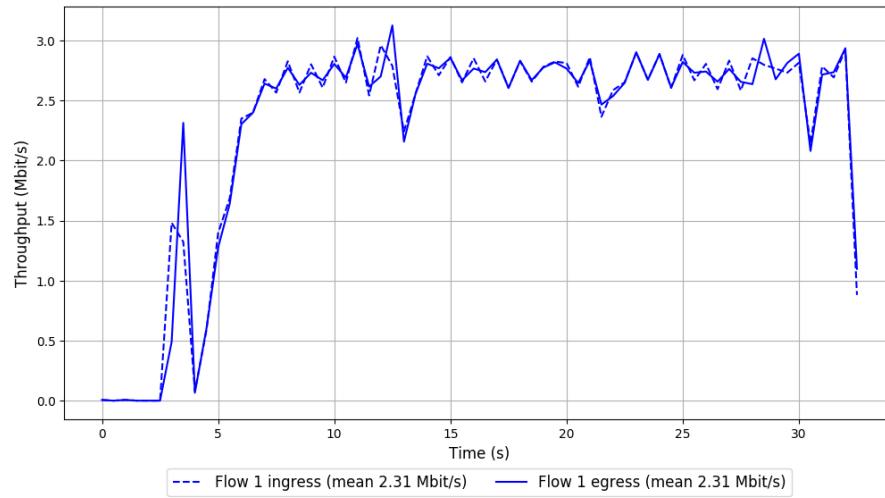
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 53.623 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-16 09:14:59

End at: 2018-02-16 09:15:29

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.909 ms

Loss rate: 0.00%

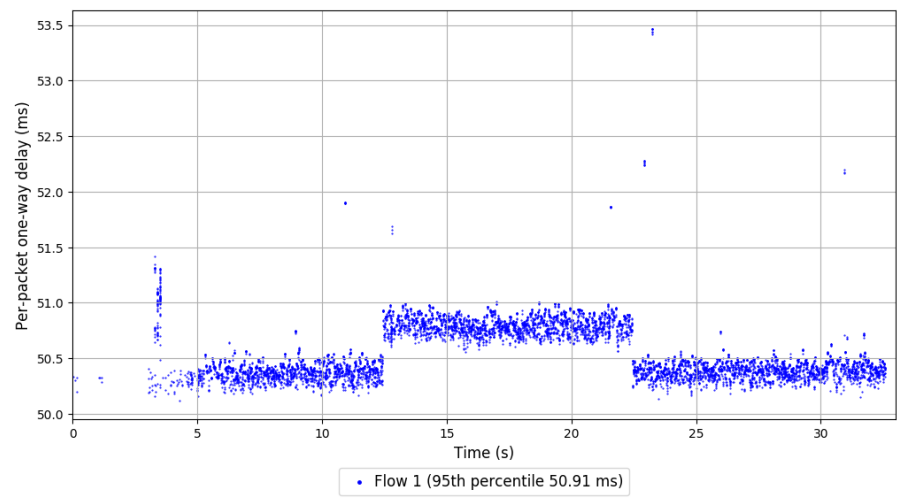
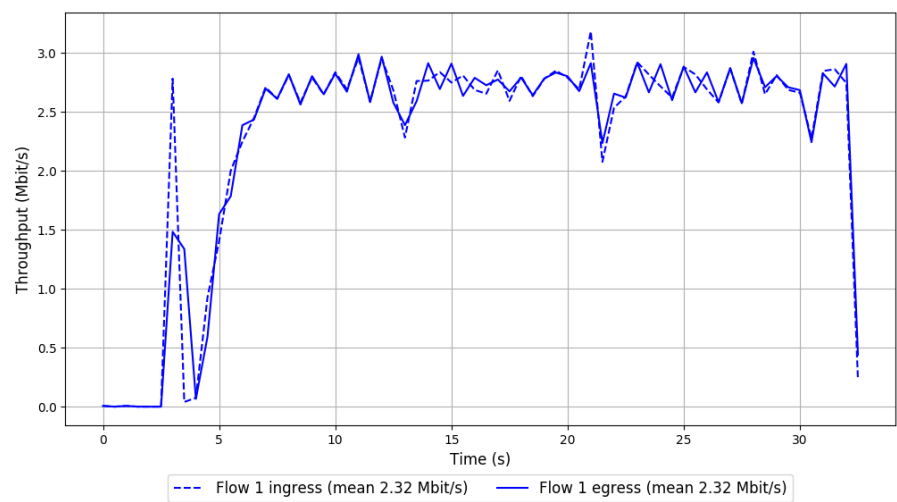
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.909 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-16 09:29:18

End at: 2018-02-16 09:29:48

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 50.914 ms

Loss rate: 0.00%

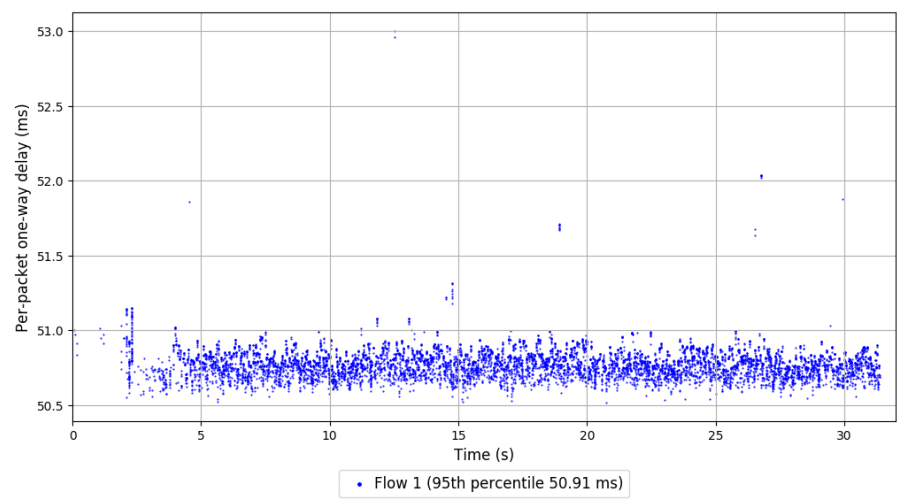
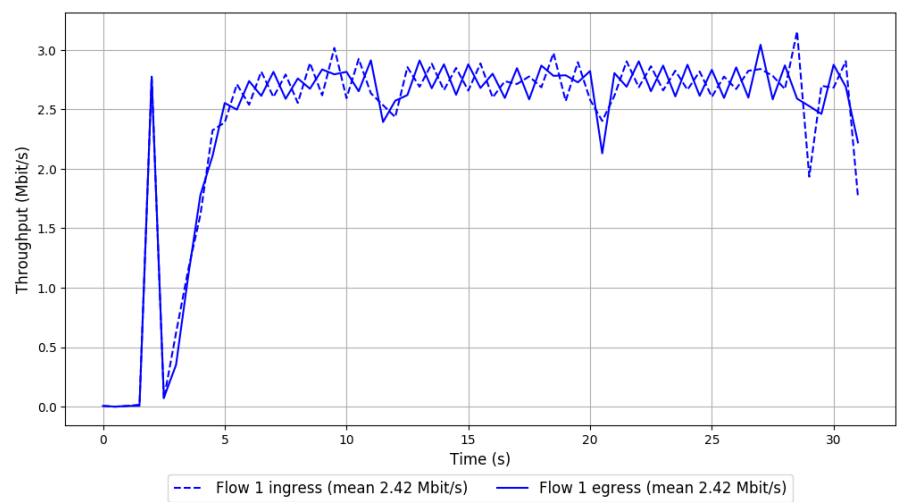
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 50.914 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-16 09:43:51

End at: 2018-02-16 09:44:21

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 54.043 ms

Loss rate: 0.03%

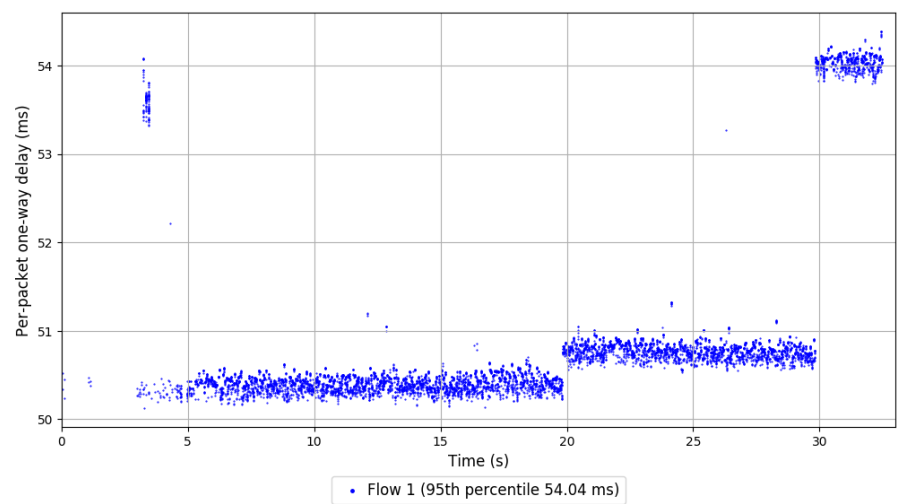
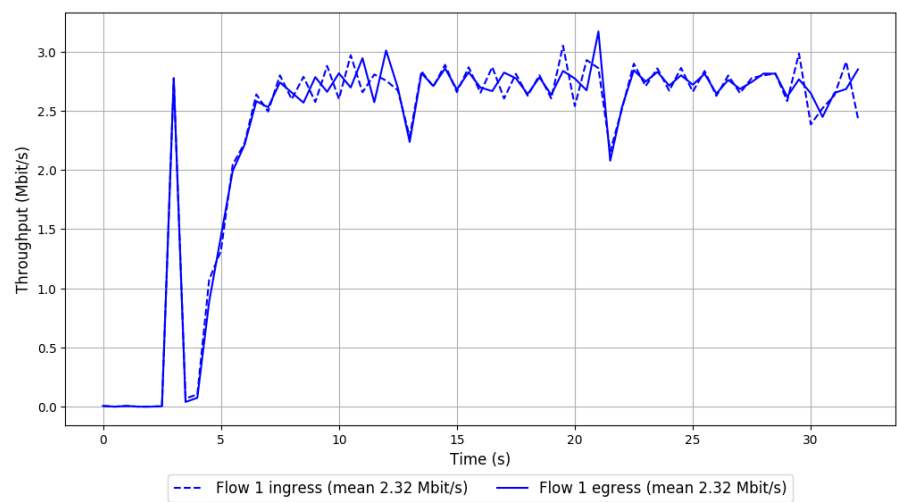
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 54.043 ms

Loss rate: 0.03%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-16 09:58:18

End at: 2018-02-16 09:58:48

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.536 ms

Loss rate: 0.00%

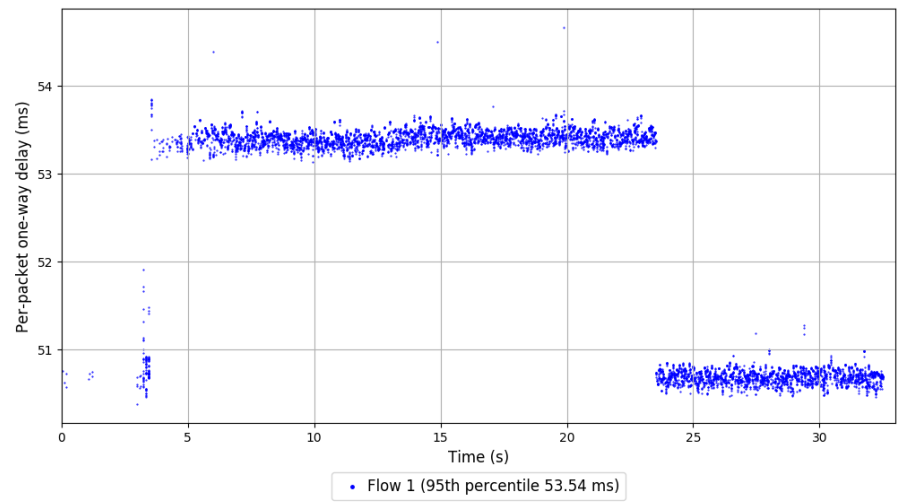
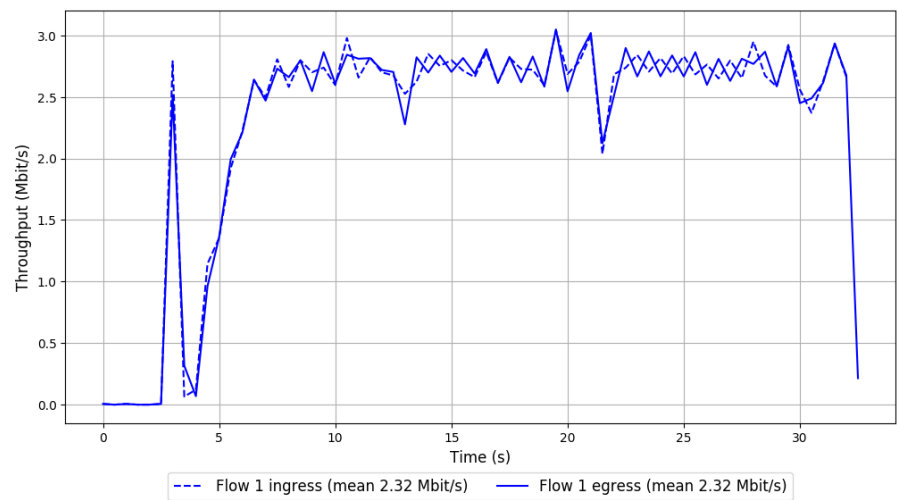
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.536 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-16 10:12:37

End at: 2018-02-16 10:13:07

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.365 ms

Loss rate: 0.00%

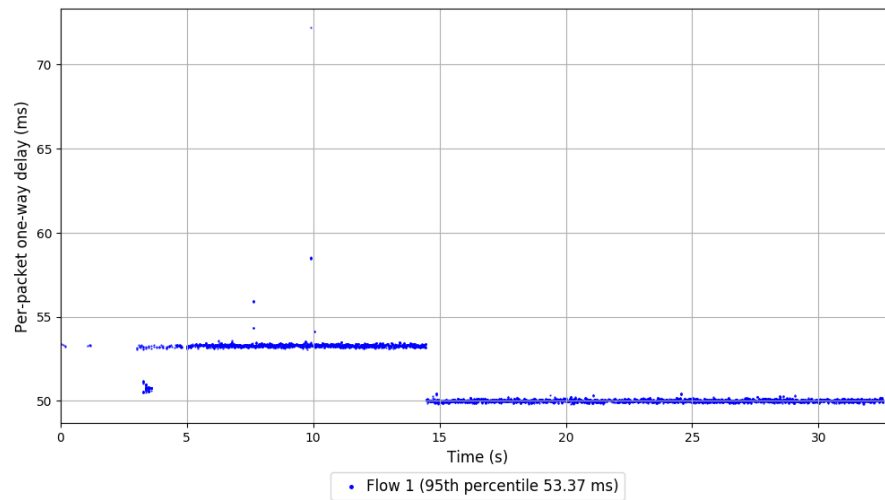
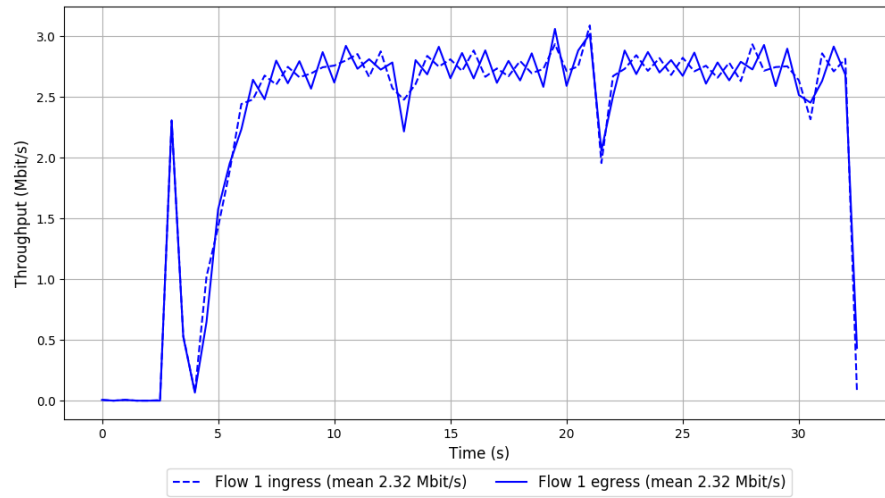
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.365 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-16 10:27:17

End at: 2018-02-16 10:27:47

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.849 ms

Loss rate: 0.00%

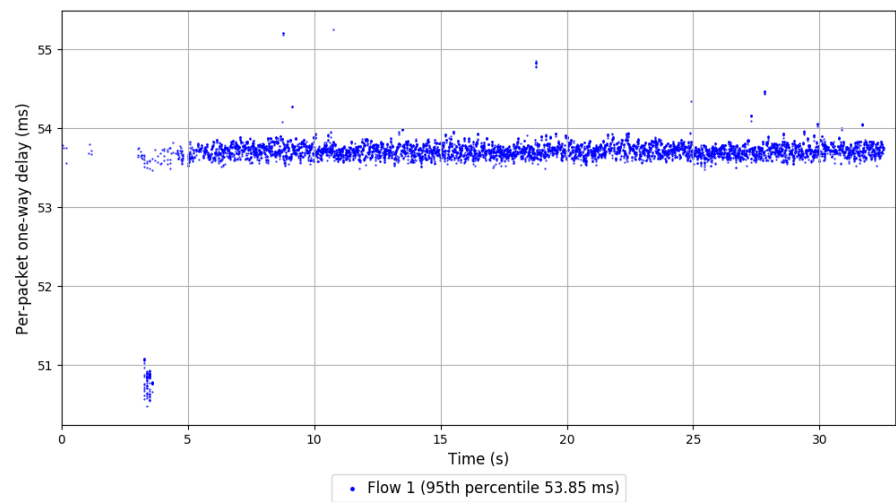
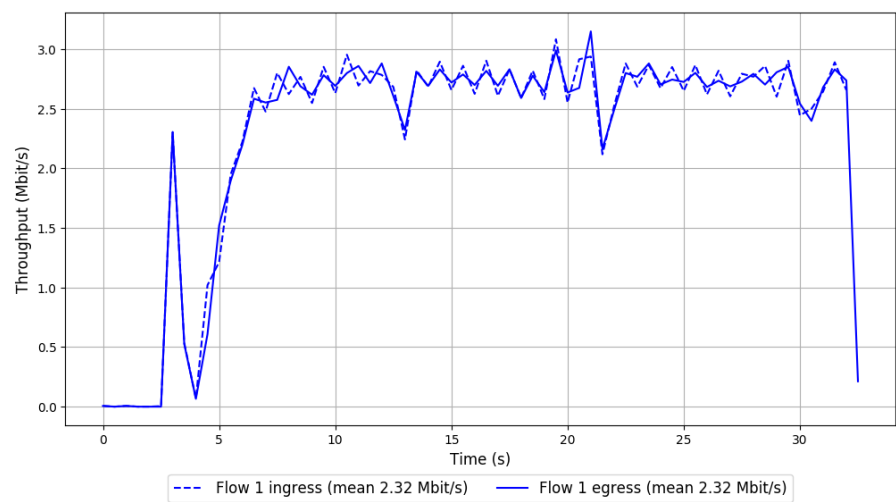
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.849 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-16 10:41:40

End at: 2018-02-16 10:42:10

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 50.510 ms

Loss rate: 0.00%

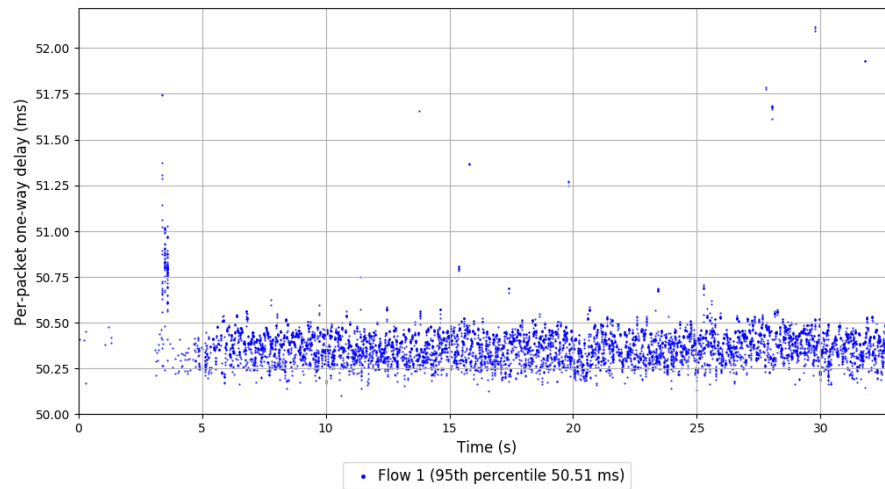
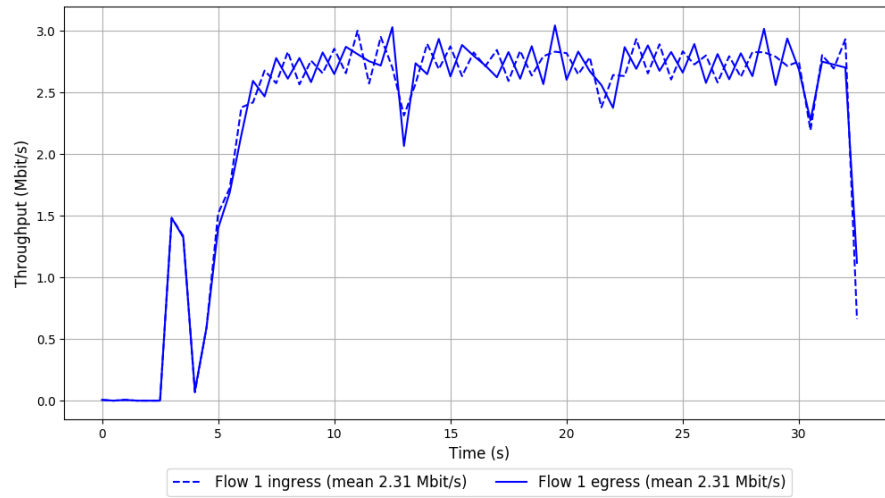
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 50.510 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-16 08:36:35

End at: 2018-02-16 08:37:05

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 55.075 ms

Loss rate: 0.00%

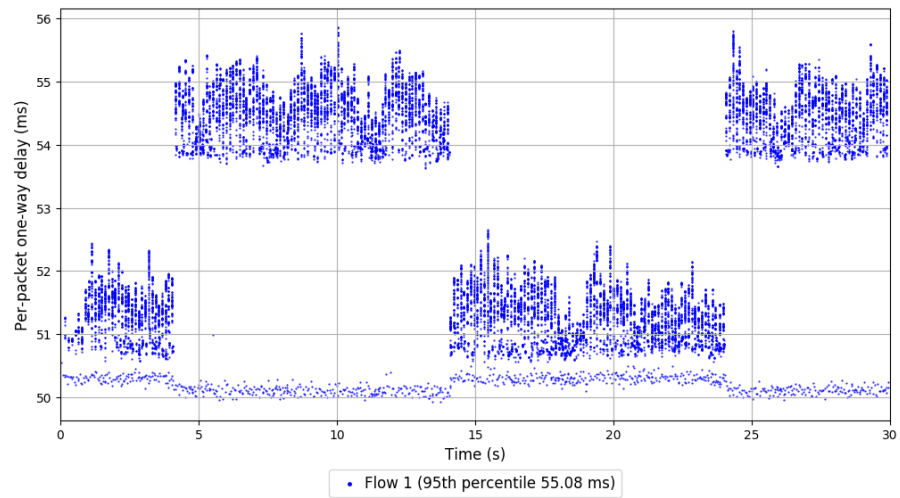
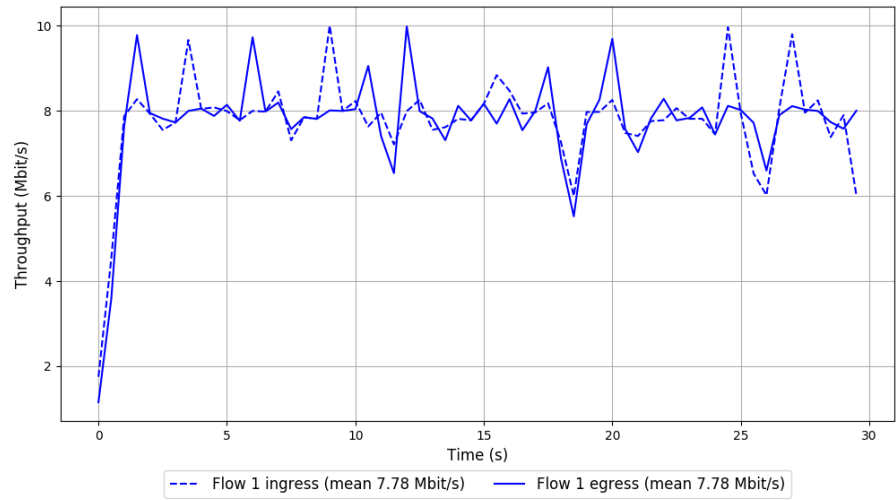
-- Flow 1:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 55.075 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-16 08:51:02

End at: 2018-02-16 08:51:32

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 54.477 ms

Loss rate: 0.00%

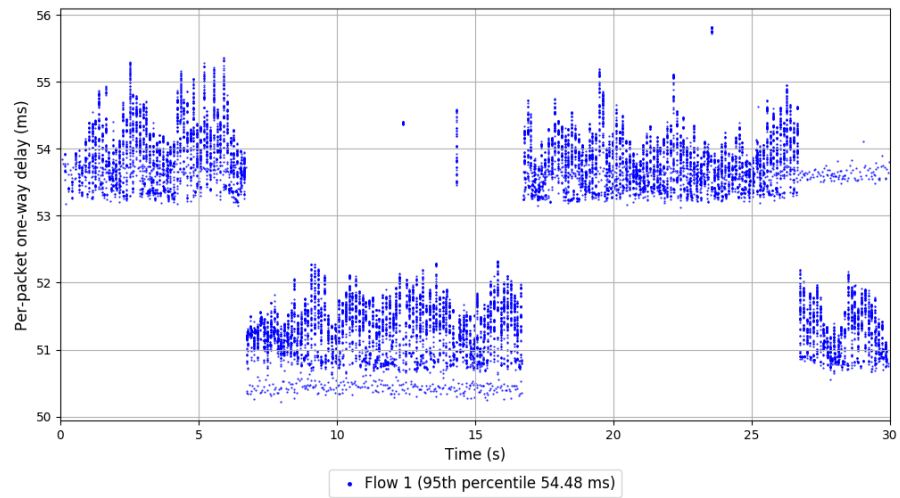
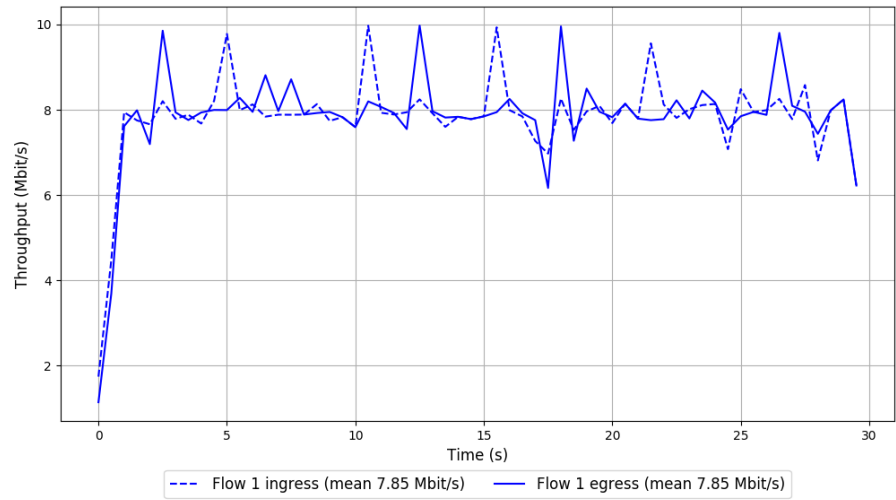
-- Flow 1:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 54.477 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-16 09:05:26

End at: 2018-02-16 09:05:56

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 54.588 ms

Loss rate: 0.24%

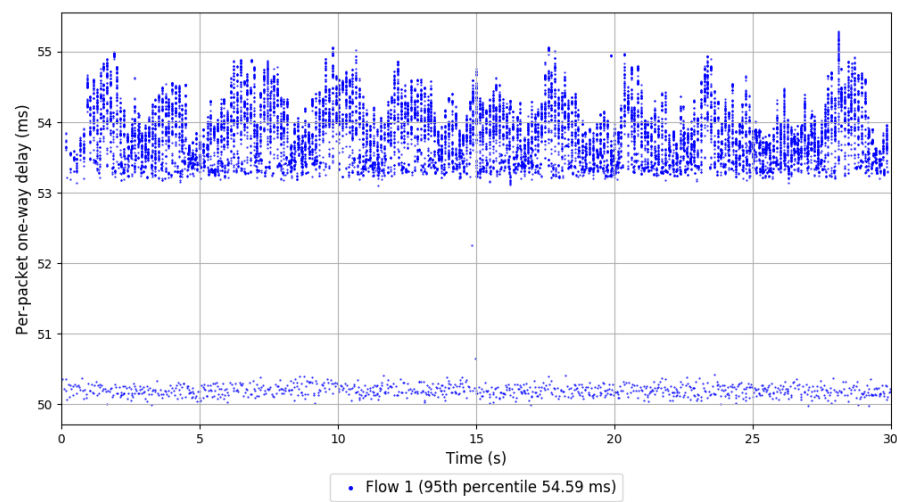
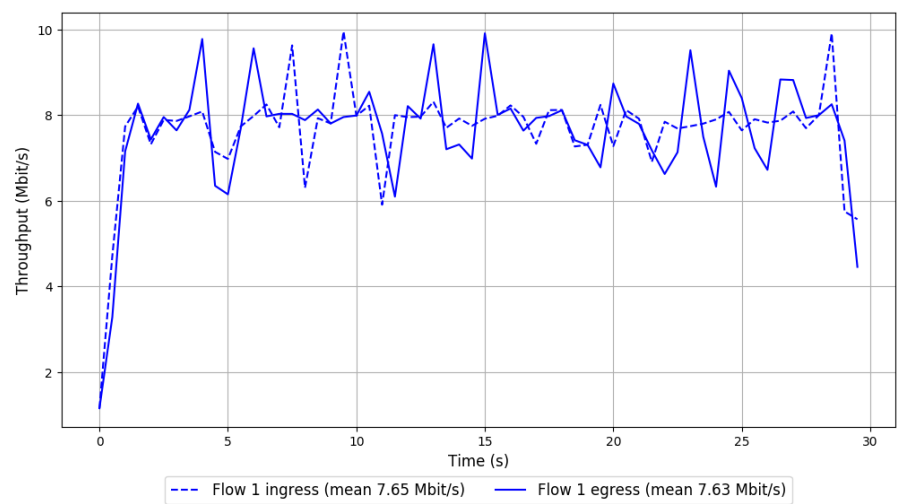
-- Flow 1:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 54.588 ms

Loss rate: 0.24%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-16 09:19:52

End at: 2018-02-16 09:20:22

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 54.570 ms

Loss rate: 0.00%

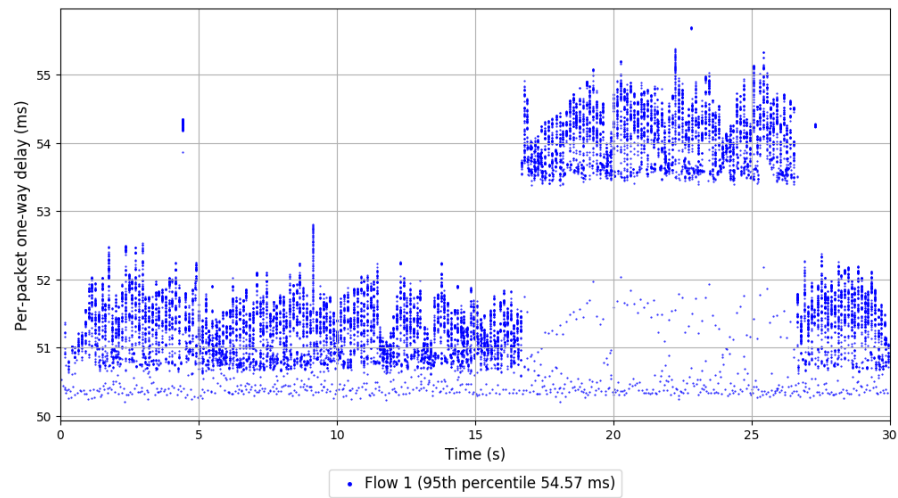
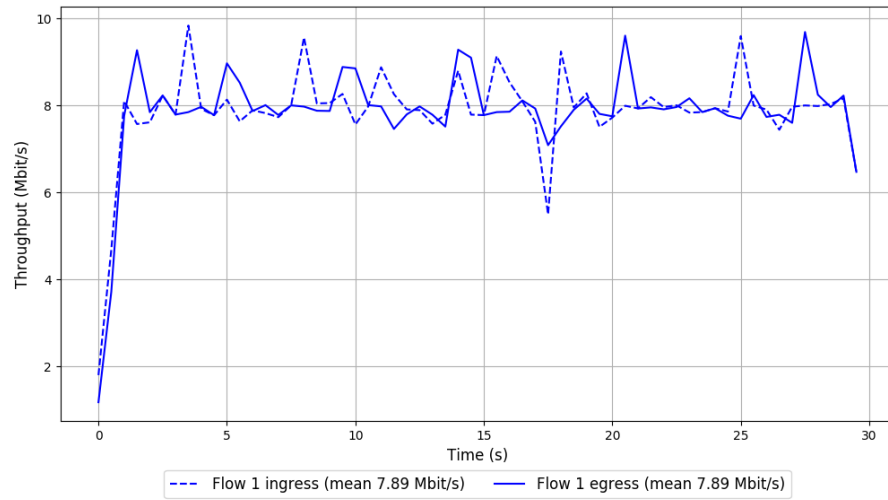
-- Flow 1:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 54.570 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-16 09:34:07

End at: 2018-02-16 09:34:37

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 54.517 ms

Loss rate: 0.00%

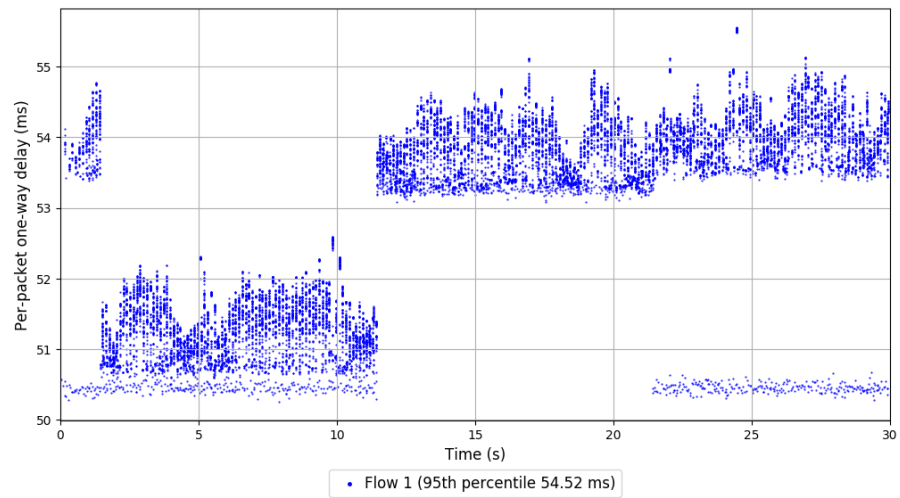
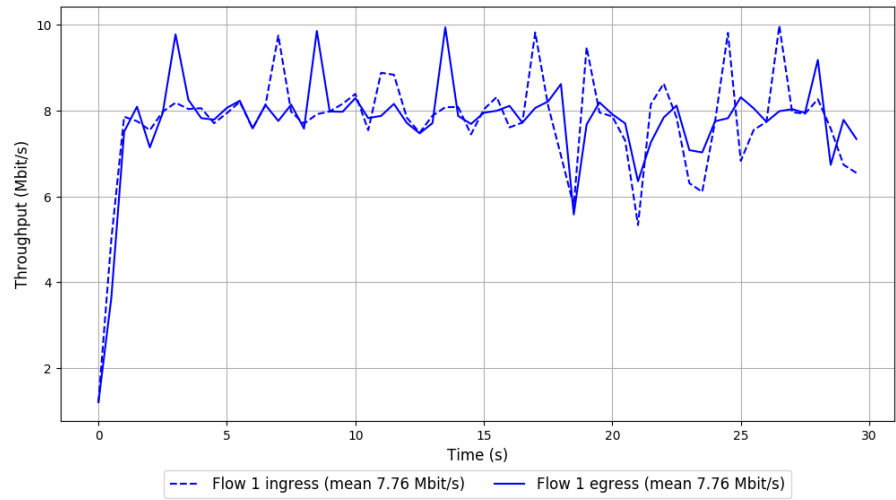
-- Flow 1:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 54.517 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-16 09:48:45

End at: 2018-02-16 09:49:15

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 55.020 ms

Loss rate: 0.00%

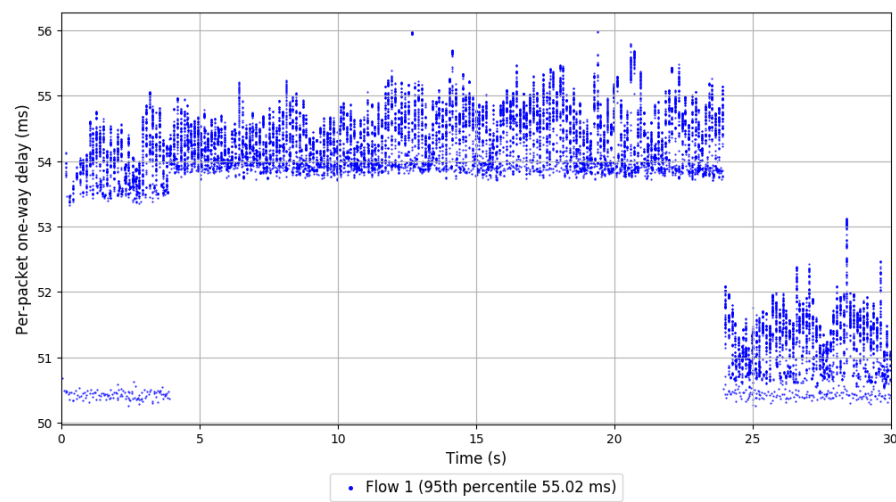
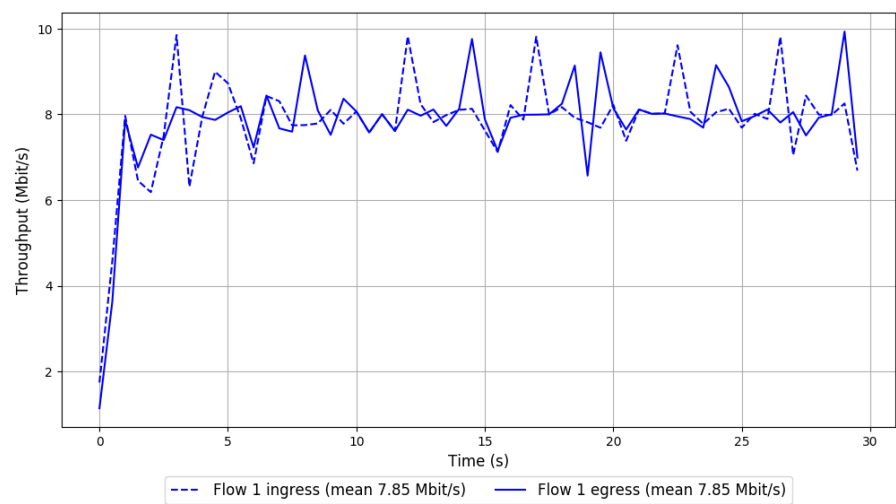
-- Flow 1:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 55.020 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-16 10:03:11

End at: 2018-02-16 10:03:41

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.73 Mbit/s

95th percentile per-packet one-way delay: 54.763 ms

Loss rate: 0.00%

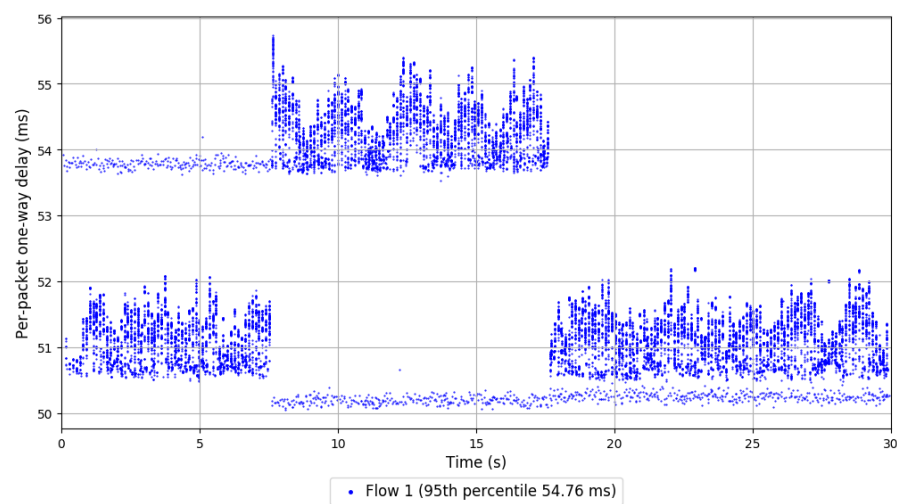
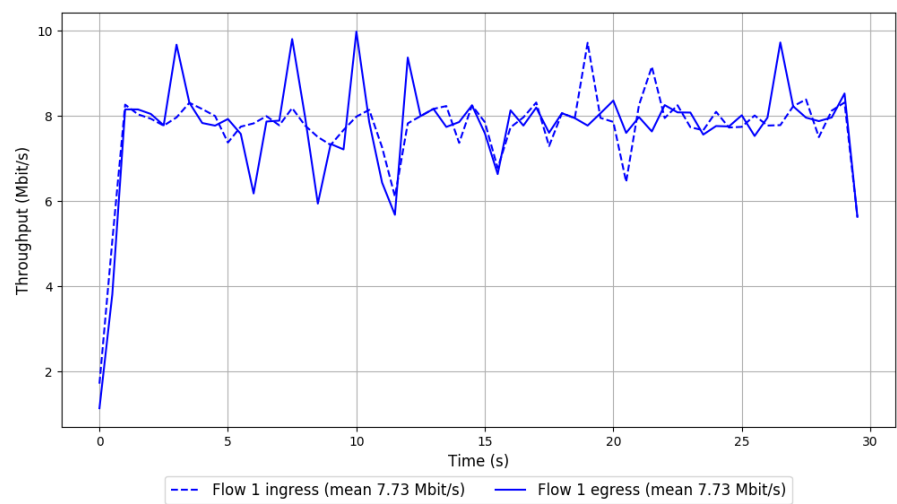
-- Flow 1:

Average throughput: 7.73 Mbit/s

95th percentile per-packet one-way delay: 54.763 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-16 10:17:32

End at: 2018-02-16 10:18:03

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 54.828 ms

Loss rate: 0.00%

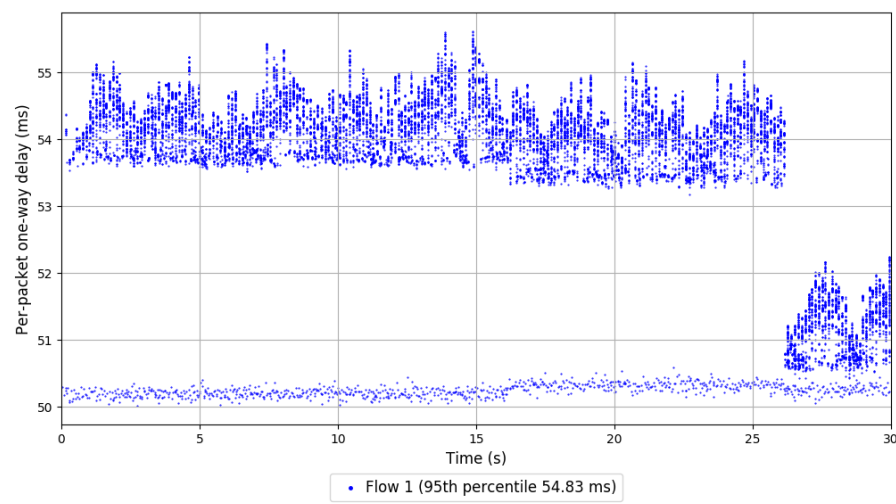
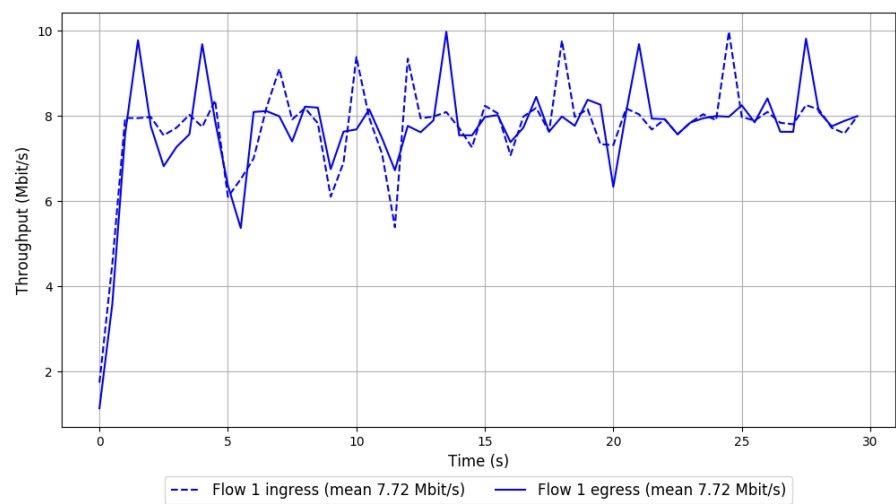
-- Flow 1:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 54.828 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-16 10:32:09

End at: 2018-02-16 10:32:39

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 54.907 ms

Loss rate: 0.00%

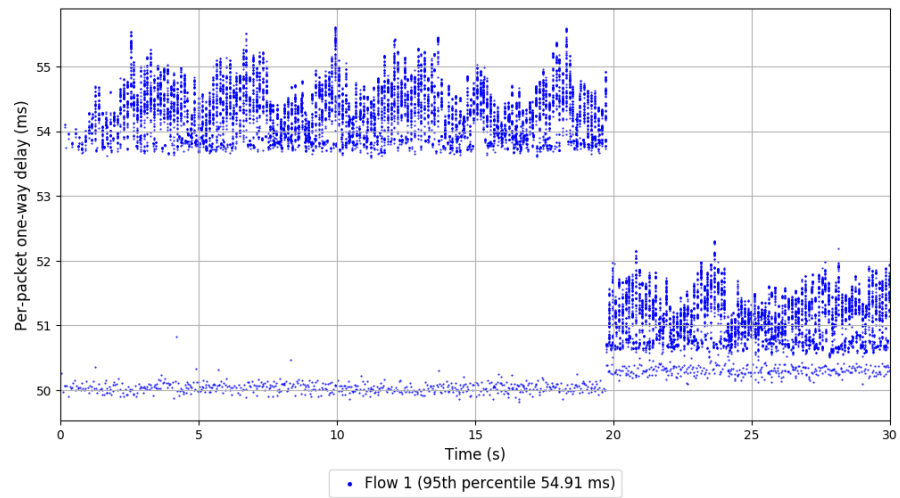
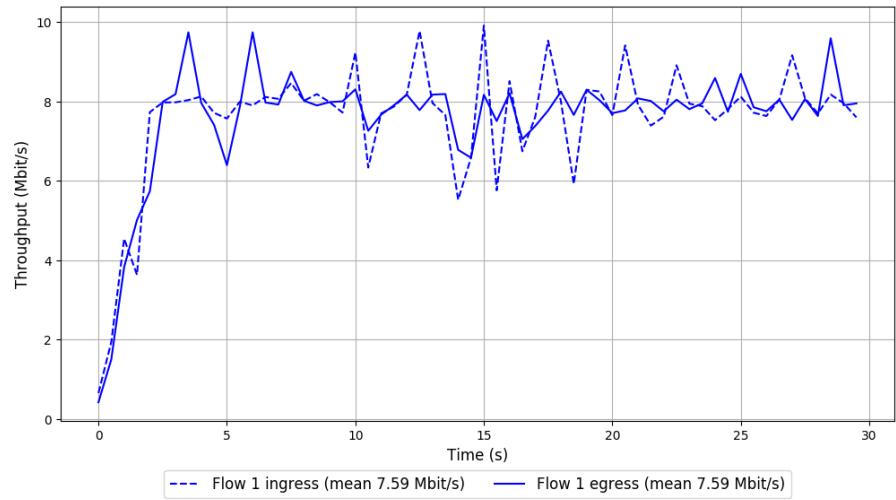
-- Flow 1:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 54.907 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-16 10:46:37

End at: 2018-02-16 10:47:07

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.987 ms

Loss rate: 0.00%

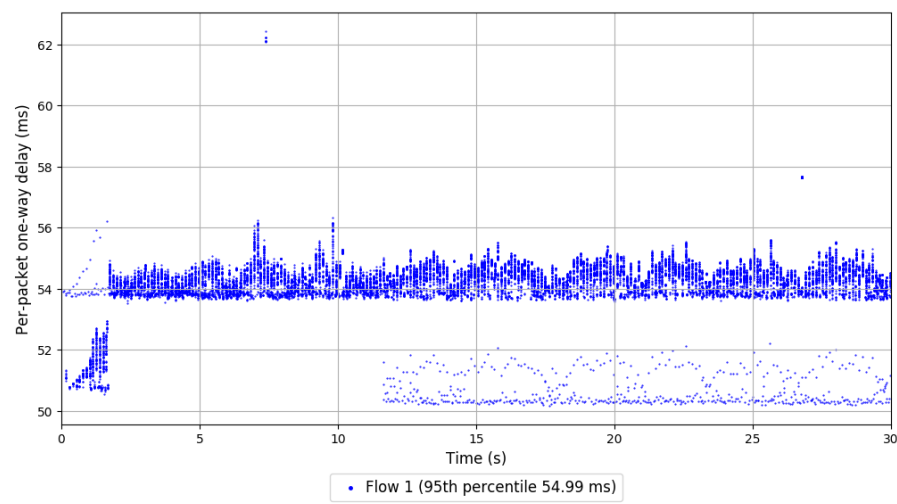
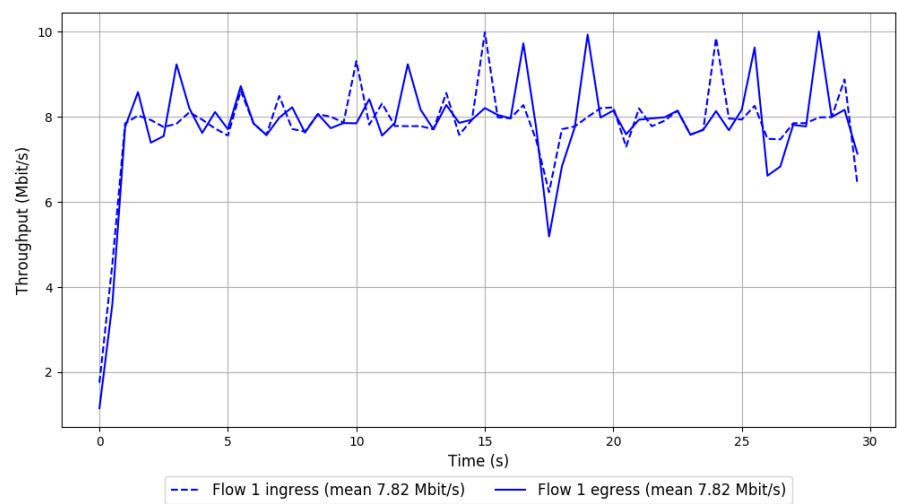
-- Flow 1:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.987 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

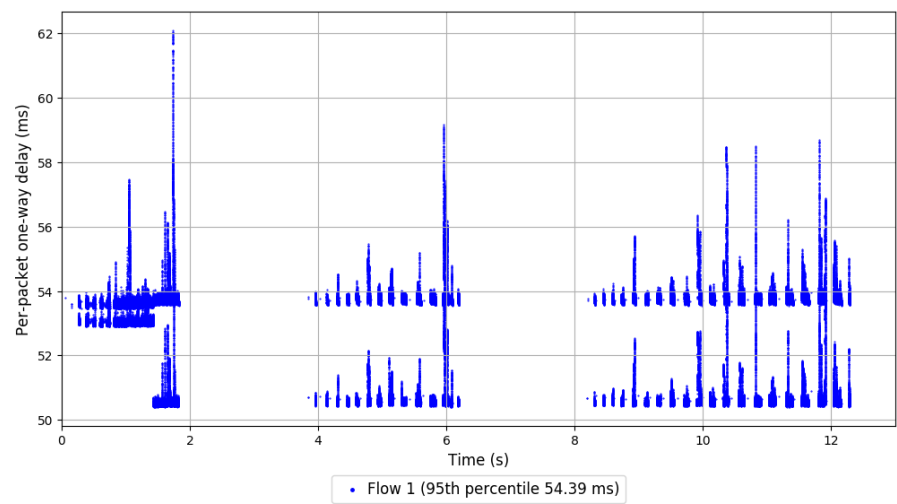
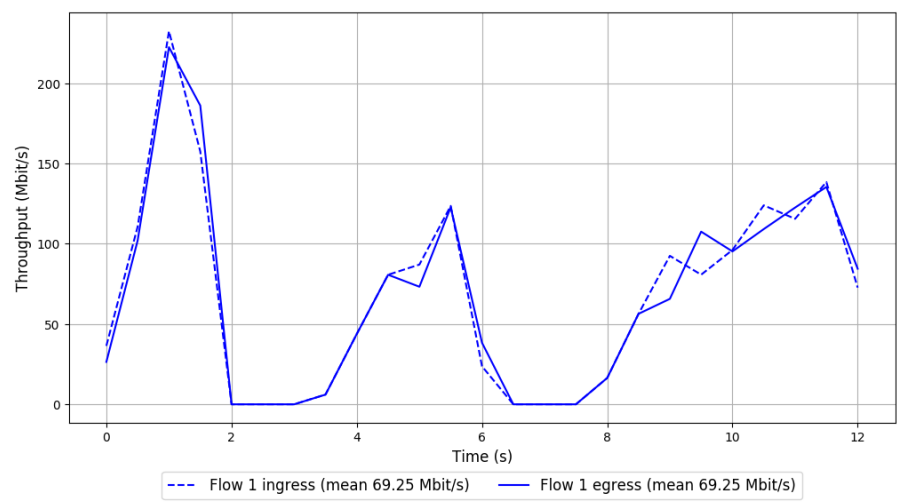


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 08:29:27

End at: 2018-02-16 08:29:57

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

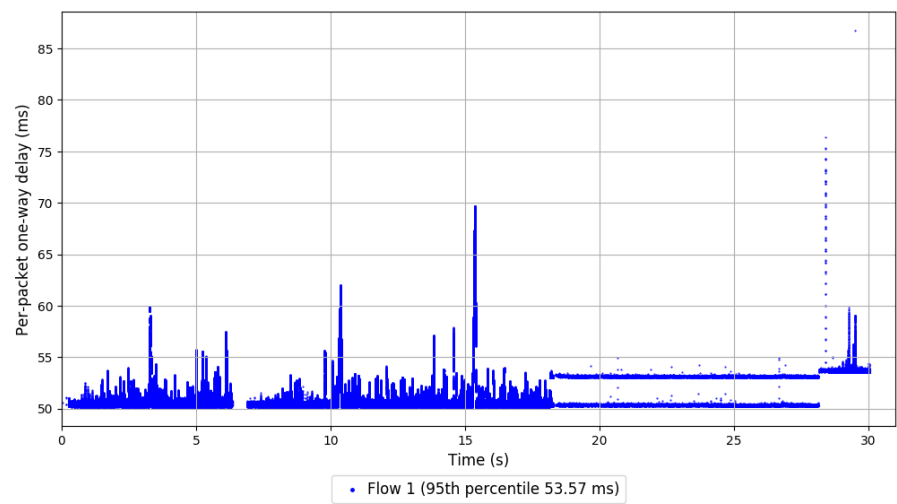
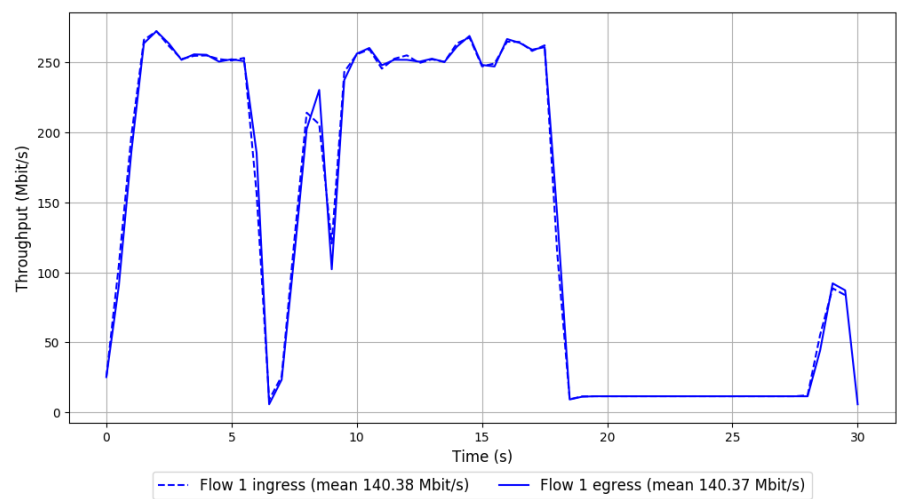


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 08:44:00
End at: 2018-02-16 08:44:31

# Below is generated by plot.py at 2018-02-16 13:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.37 Mbit/s
95th percentile per-packet one-way delay: 53.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.37 Mbit/s
95th percentile per-packet one-way delay: 53.569 ms
Loss rate: 0.00%
```

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

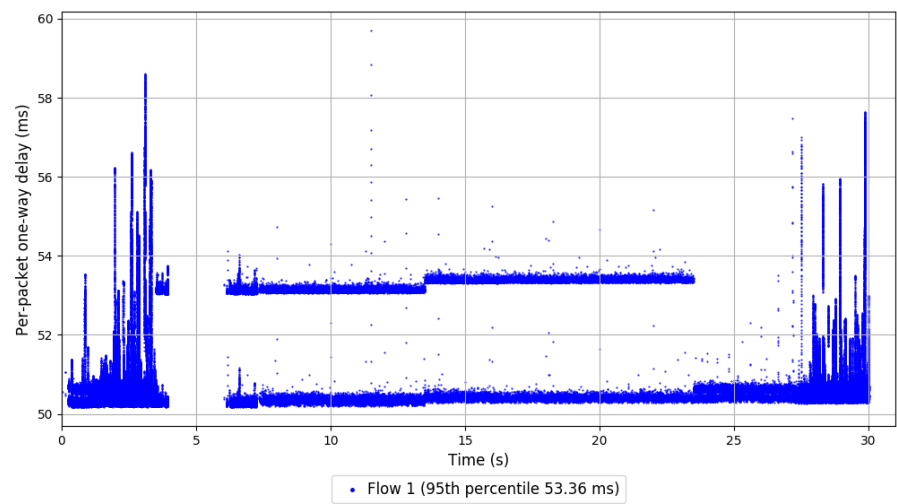
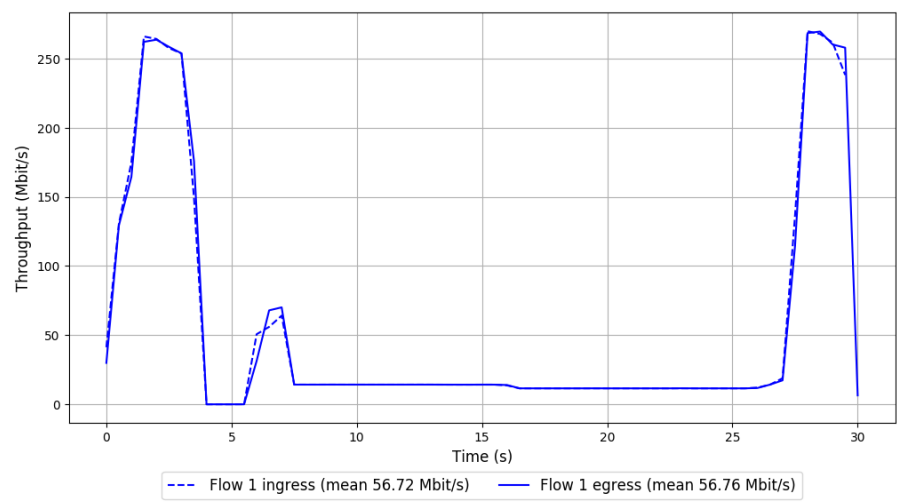


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 08:58:25
End at: 2018-02-16 08:58:55

# Below is generated by plot.py at 2018-02-16 13:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 53.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 53.359 ms
Loss rate: 0.00%
```

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

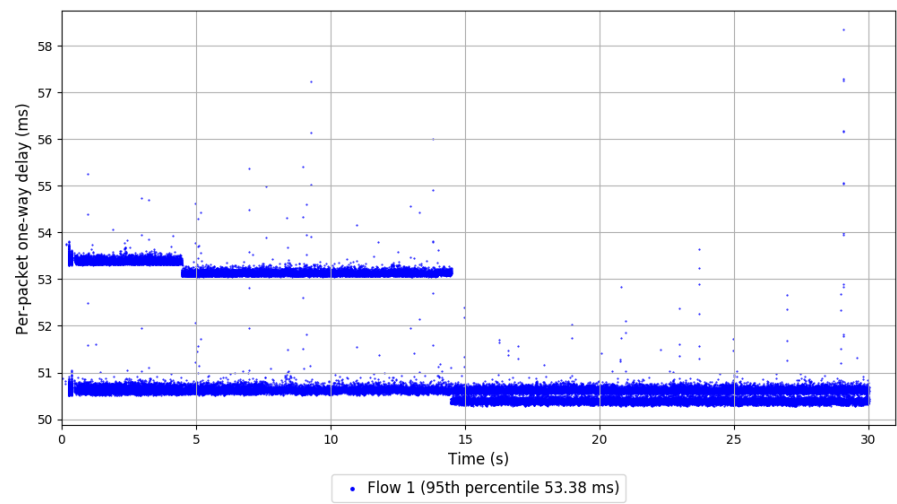
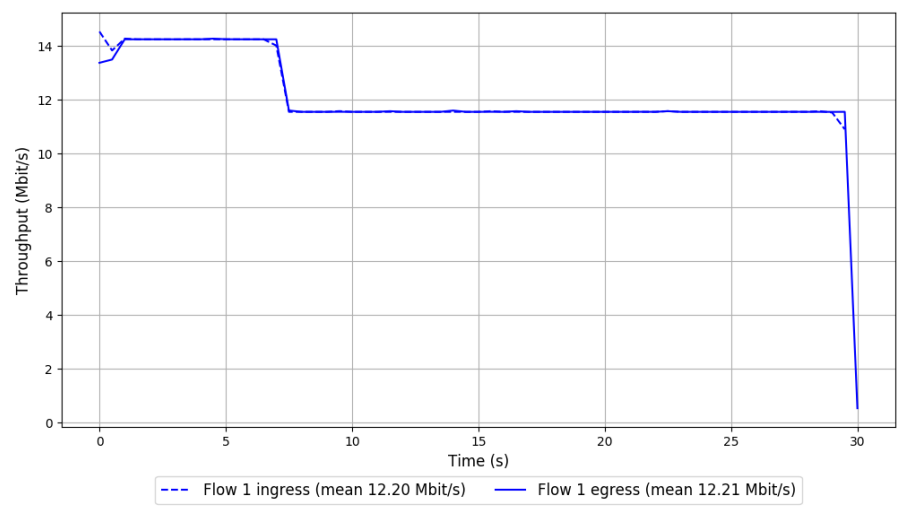


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 09:12:54
End at: 2018-02-16 09:13:24

# Below is generated by plot.py at 2018-02-16 13:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 53.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 53.382 ms
Loss rate: 0.00%
```

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 09:27:16

End at: 2018-02-16 09:27:46

Below is generated by plot.py at 2018-02-16 13:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.60 Mbit/s

95th percentile per-packet one-way delay: 53.447 ms

Loss rate: 0.00%

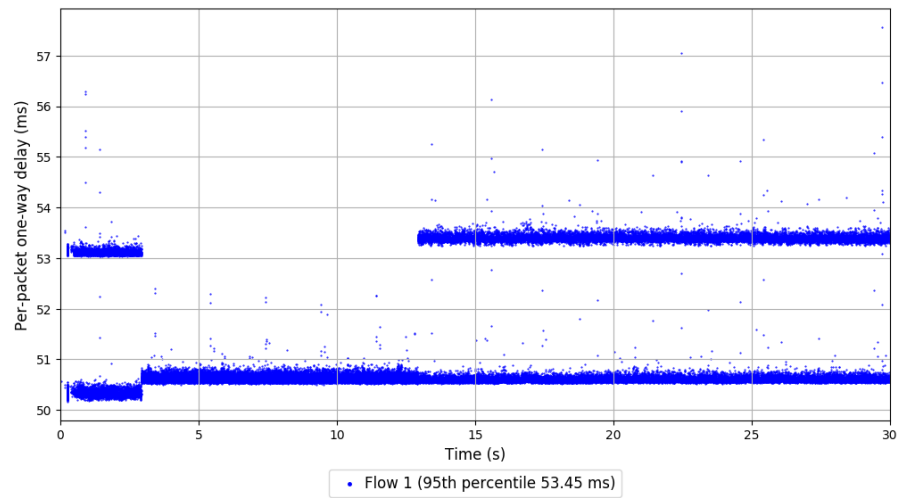
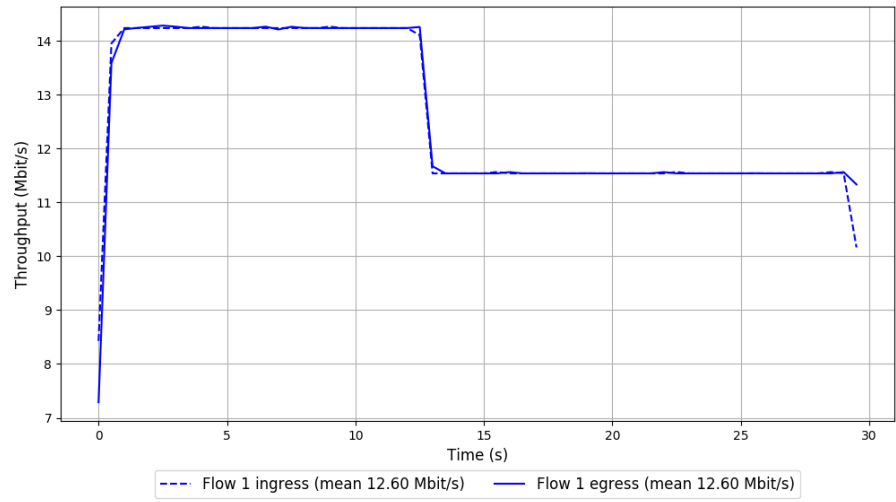
-- Flow 1:

Average throughput: 12.60 Mbit/s

95th percentile per-packet one-way delay: 53.447 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 09:41:28

End at: 2018-02-16 09:41:58

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.14 Mbit/s

95th percentile per-packet one-way delay: 52.876 ms

Loss rate: 0.00%

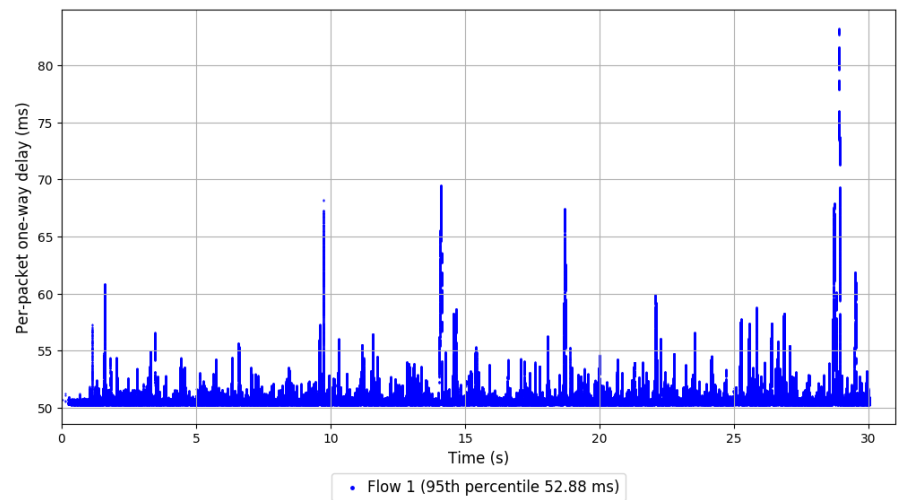
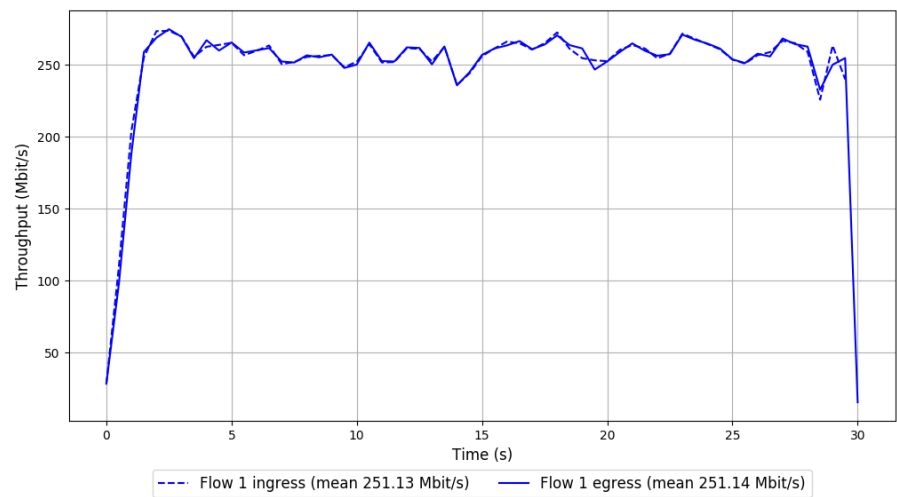
-- Flow 1:

Average throughput: 251.14 Mbit/s

95th percentile per-packet one-way delay: 52.876 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 09:56:11

End at: 2018-02-16 09:56:41

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.01%

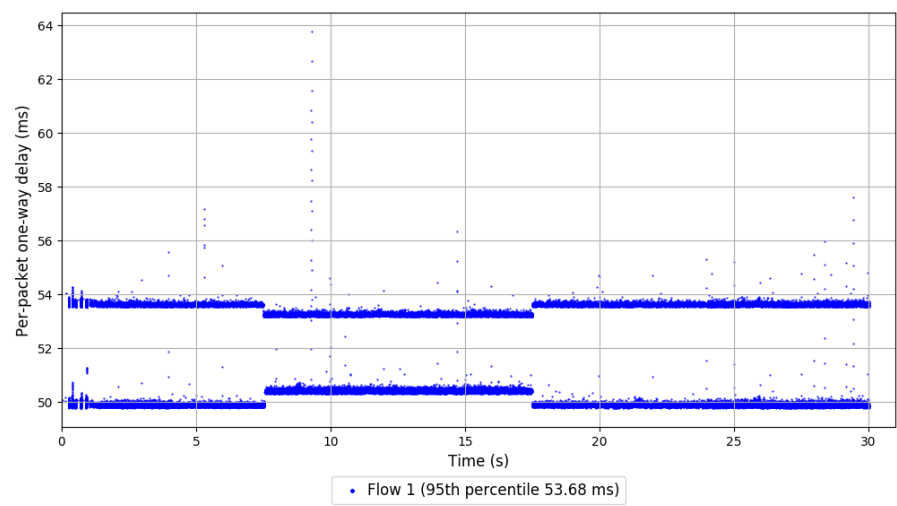
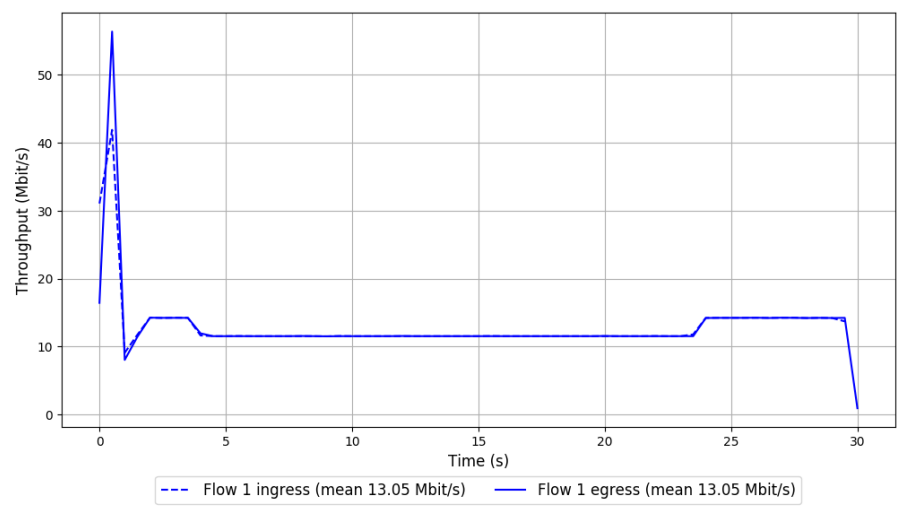
-- Flow 1:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 10:10:34

End at: 2018-02-16 10:11:04

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 53.598 ms

Loss rate: 0.00%

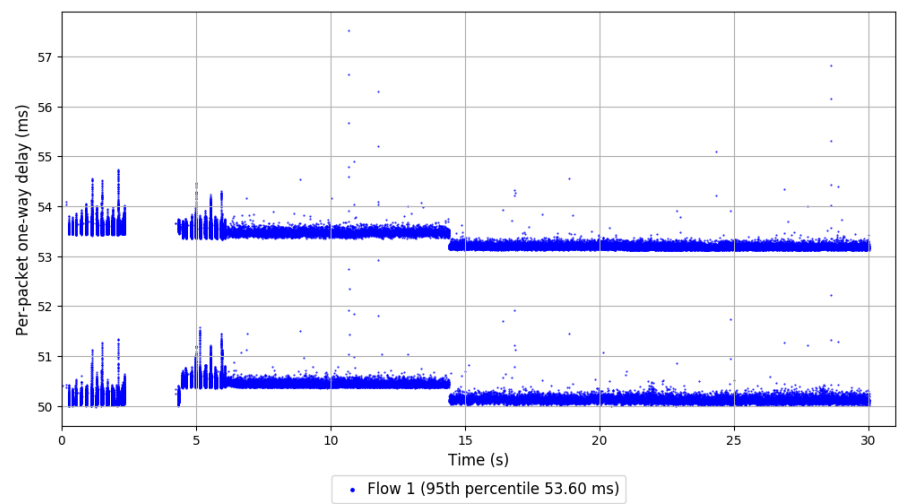
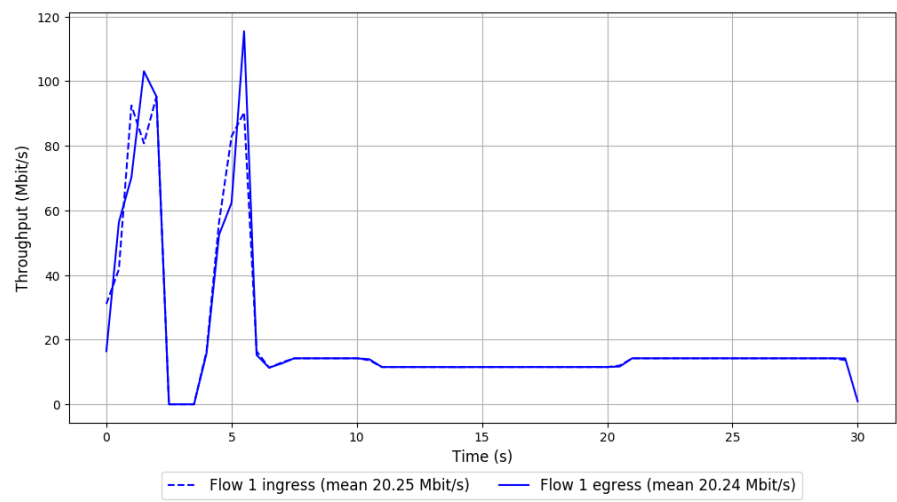
-- Flow 1:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 53.598 ms

Loss rate: 0.00%

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

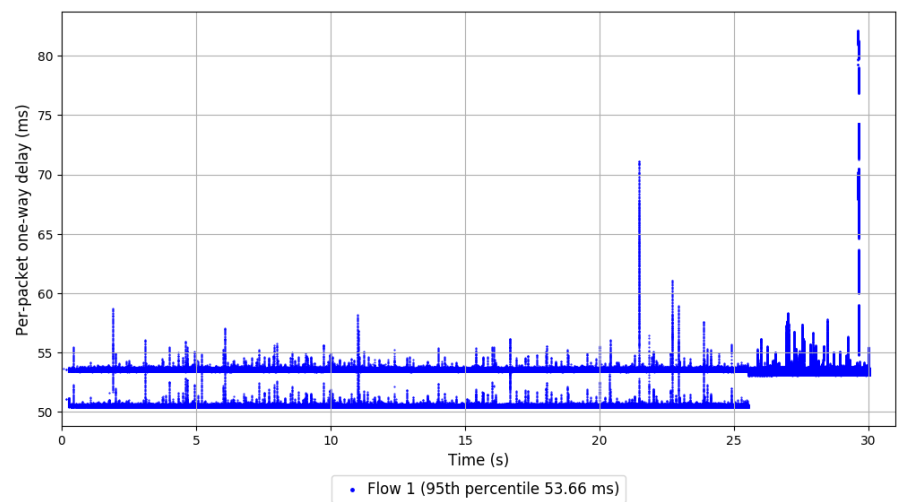
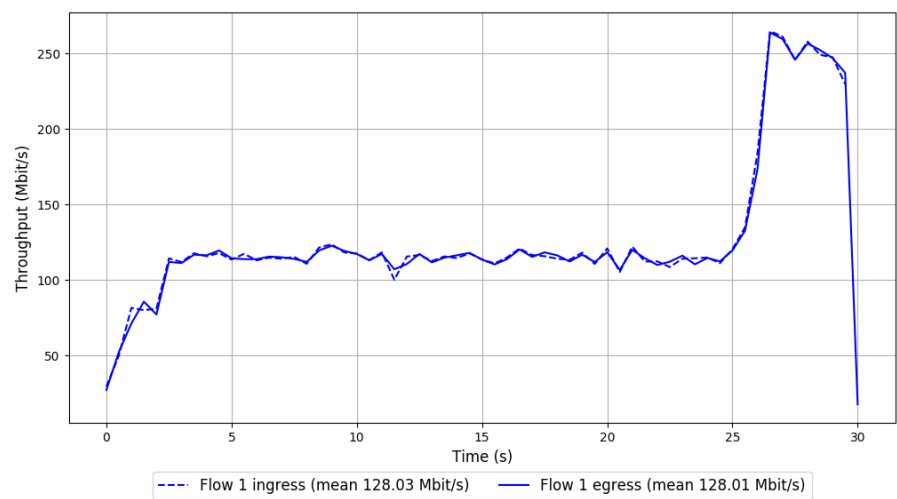


```
Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 10:25:03
End at: 2018-02-16 10:25:33

# Below is generated by plot.py at 2018-02-16 13:03:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 128.01 Mbit/s
95th percentile per-packet one-way delay: 53.656 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 128.01 Mbit/s
95th percentile per-packet one-way delay: 53.656 ms
Loss rate: 0.02%
```

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

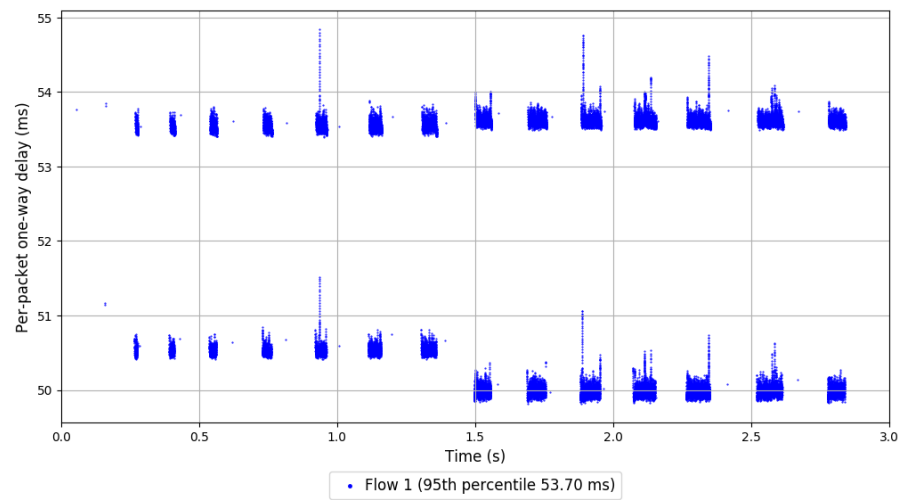
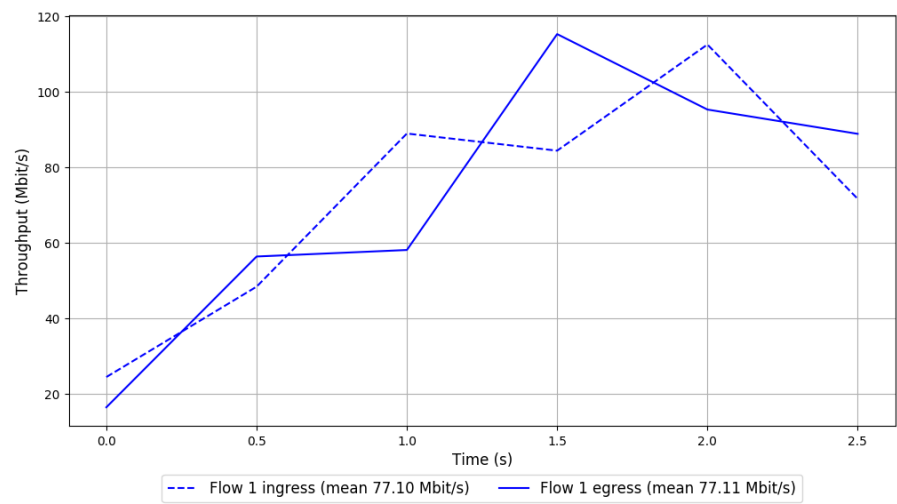


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 10:39:37

End at: 2018-02-16 10:40:07

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 08:31:01

End at: 2018-02-16 08:31:31

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.92 Mbit/s

95th percentile per-packet one-way delay: 59.341 ms

Loss rate: 0.00%

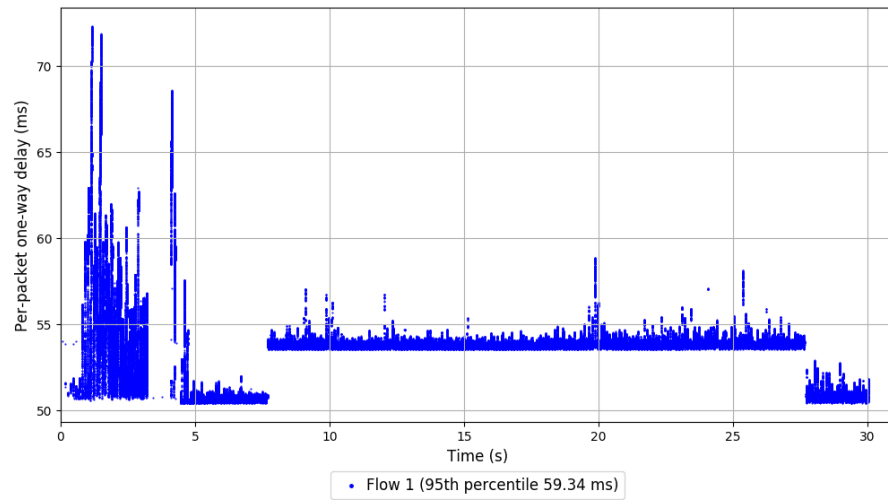
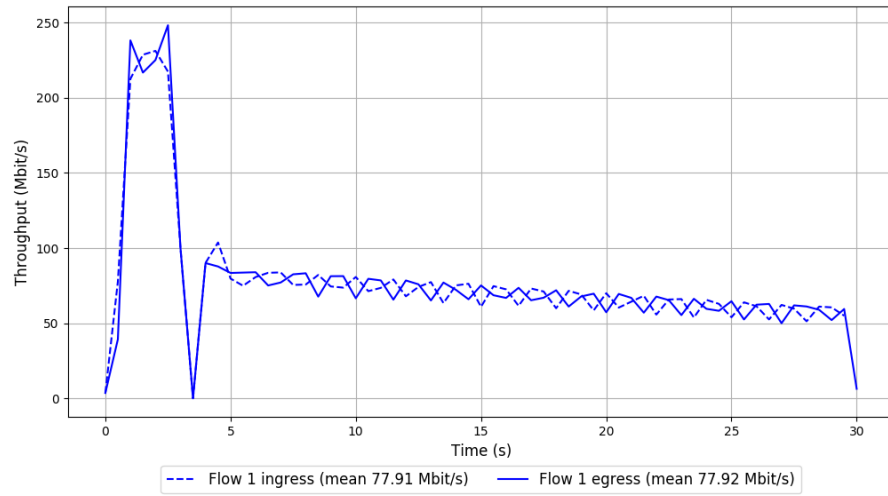
-- Flow 1:

Average throughput: 77.92 Mbit/s

95th percentile per-packet one-way delay: 59.341 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 08:45:33

End at: 2018-02-16 08:46:03

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.15 Mbit/s

95th percentile per-packet one-way delay: 60.515 ms

Loss rate: 0.00%

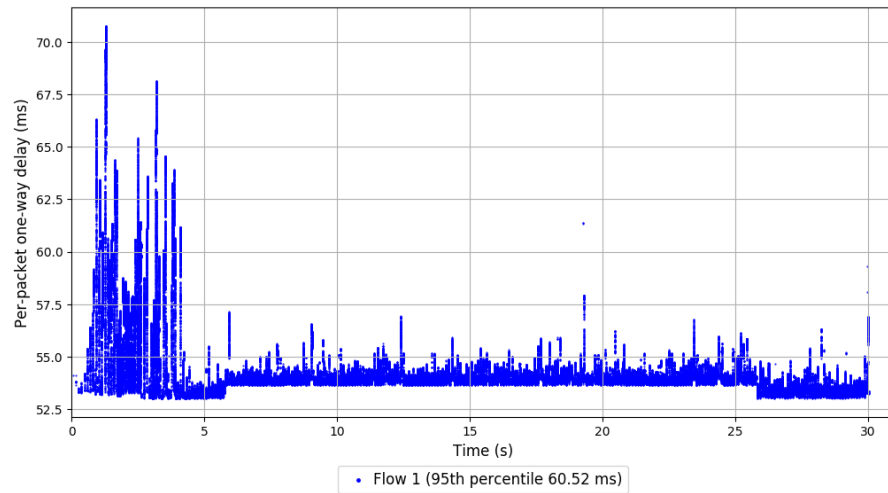
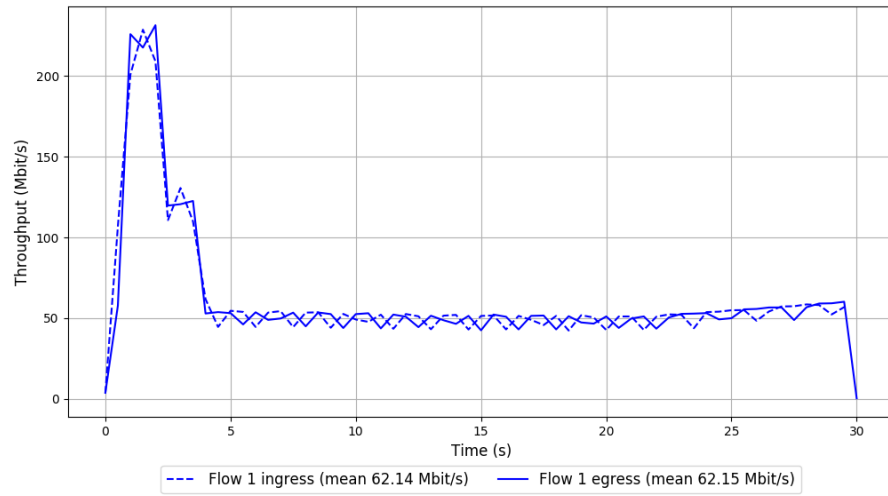
-- Flow 1:

Average throughput: 62.15 Mbit/s

95th percentile per-packet one-way delay: 60.515 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 08:59:51

End at: 2018-02-16 09:00:21

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.44 Mbit/s

95th percentile per-packet one-way delay: 61.301 ms

Loss rate: 0.00%

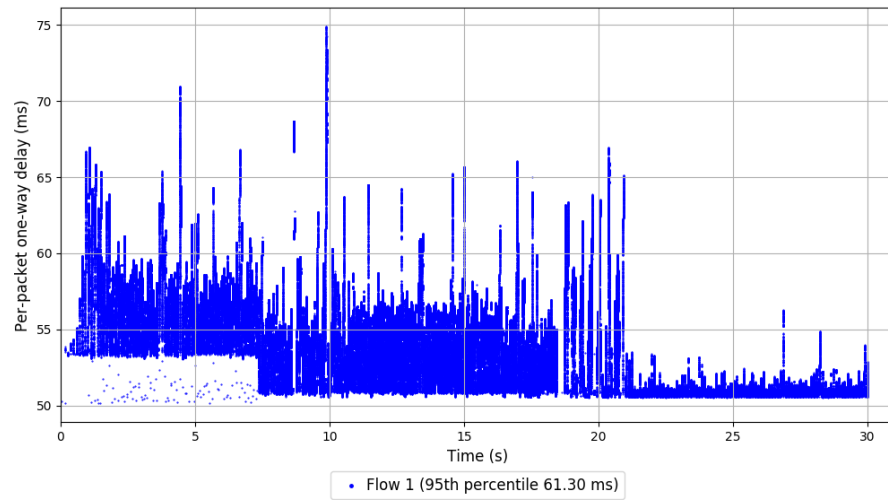
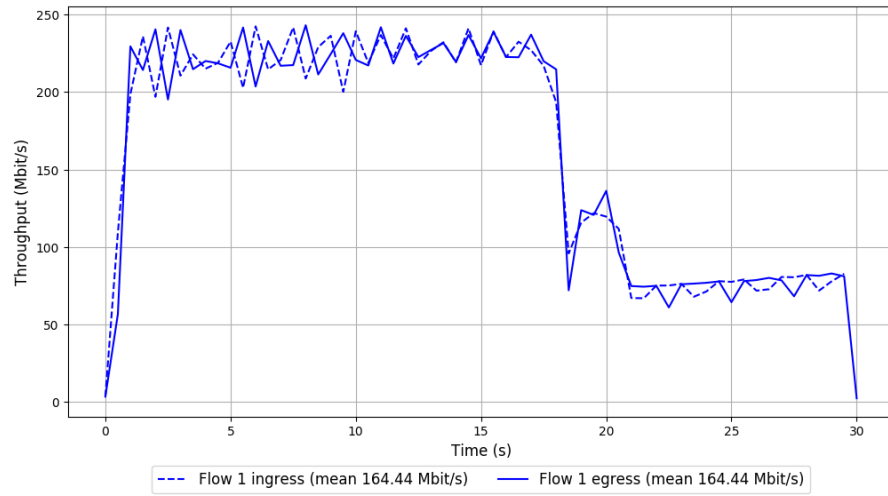
-- Flow 1:

Average throughput: 164.44 Mbit/s

95th percentile per-packet one-way delay: 61.301 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 09:14:17

End at: 2018-02-16 09:14:47

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.64 Mbit/s

95th percentile per-packet one-way delay: 52.259 ms

Loss rate: 0.00%

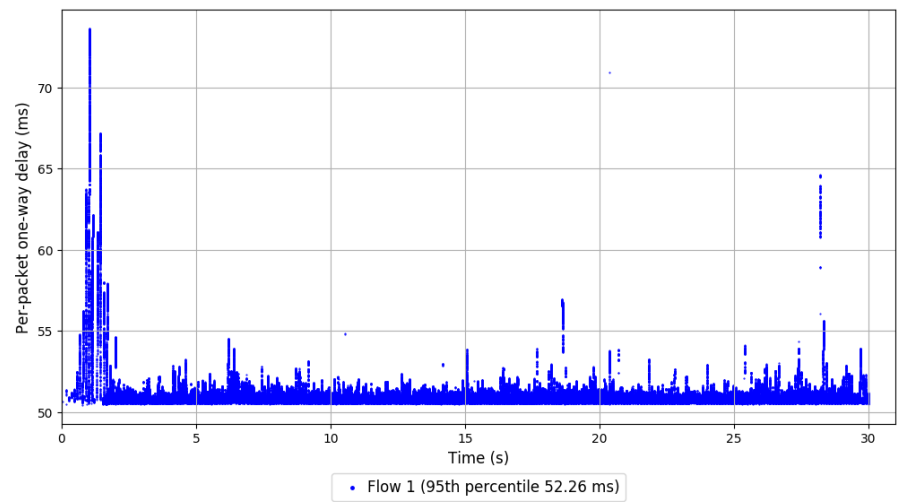
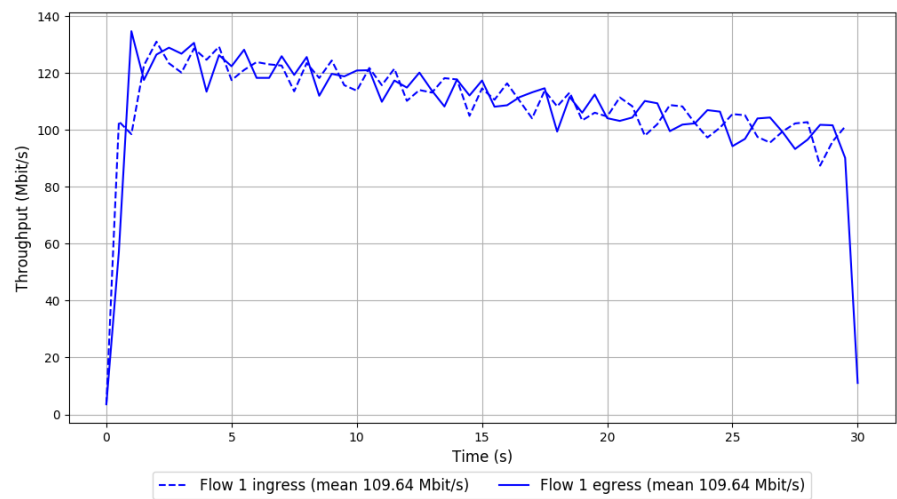
-- Flow 1:

Average throughput: 109.64 Mbit/s

95th percentile per-packet one-way delay: 52.259 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 09:28:38

End at: 2018-02-16 09:29:09

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.04 Mbit/s

95th percentile per-packet one-way delay: 54.499 ms

Loss rate: 0.02%

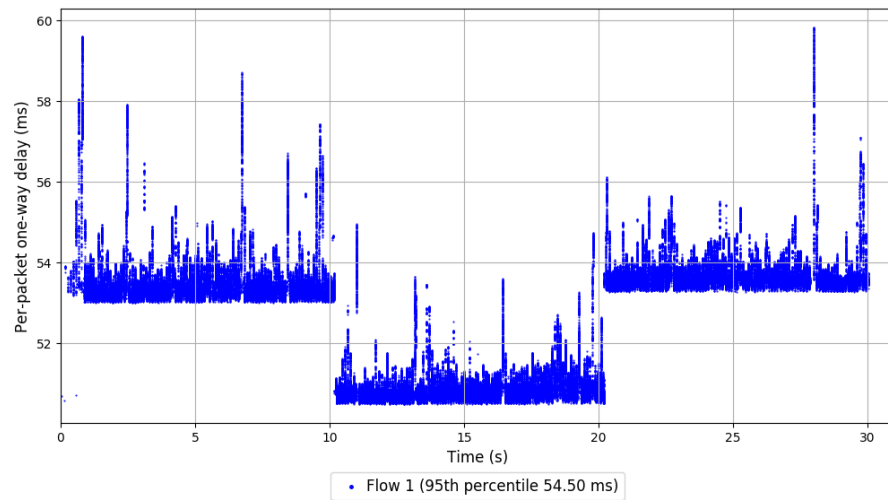
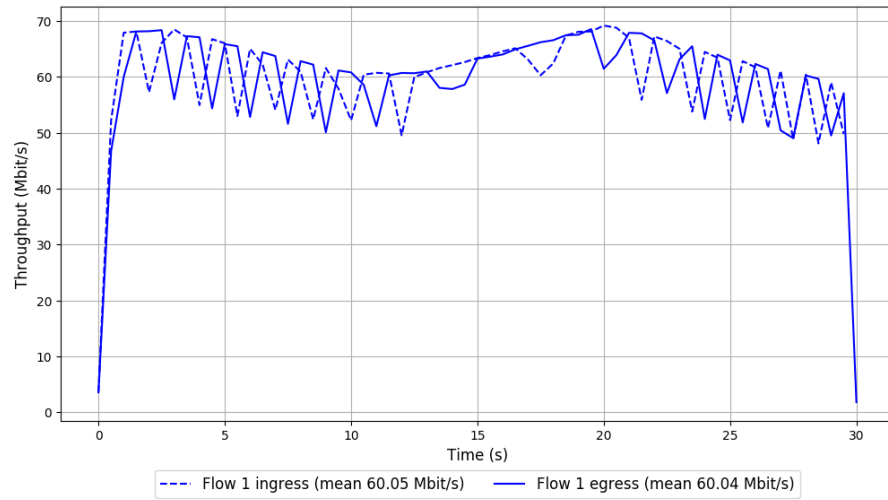
-- Flow 1:

Average throughput: 60.04 Mbit/s

95th percentile per-packet one-way delay: 54.499 ms

Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 09:43:10

End at: 2018-02-16 09:43:40

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.40 Mbit/s

95th percentile per-packet one-way delay: 53.439 ms

Loss rate: 0.00%

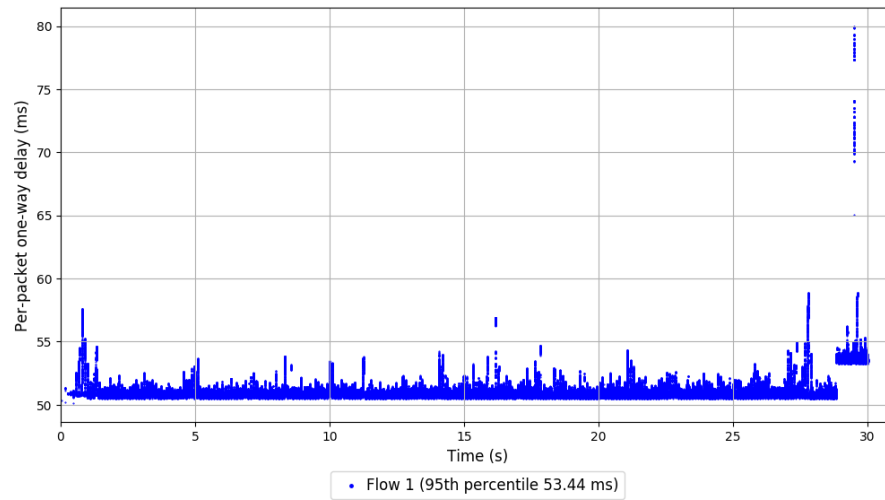
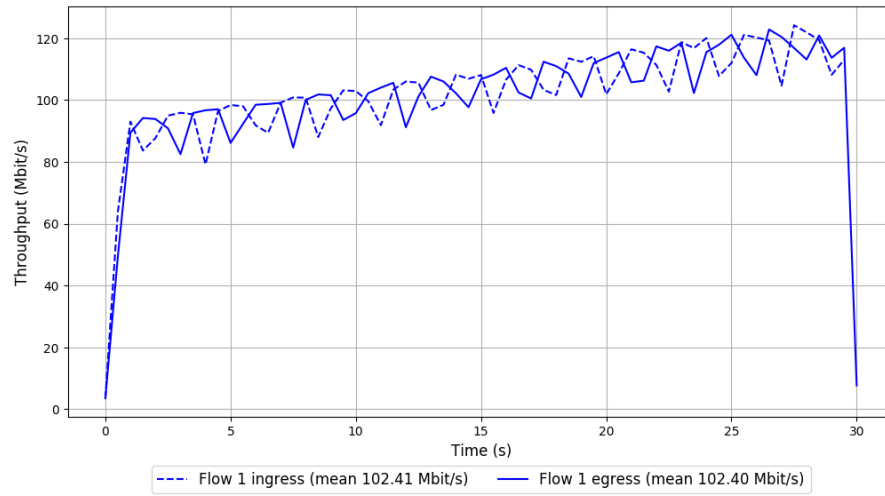
-- Flow 1:

Average throughput: 102.40 Mbit/s

95th percentile per-packet one-way delay: 53.439 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 09:57:34

End at: 2018-02-16 09:58:04

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.39 Mbit/s

95th percentile per-packet one-way delay: 54.605 ms

Loss rate: 0.00%

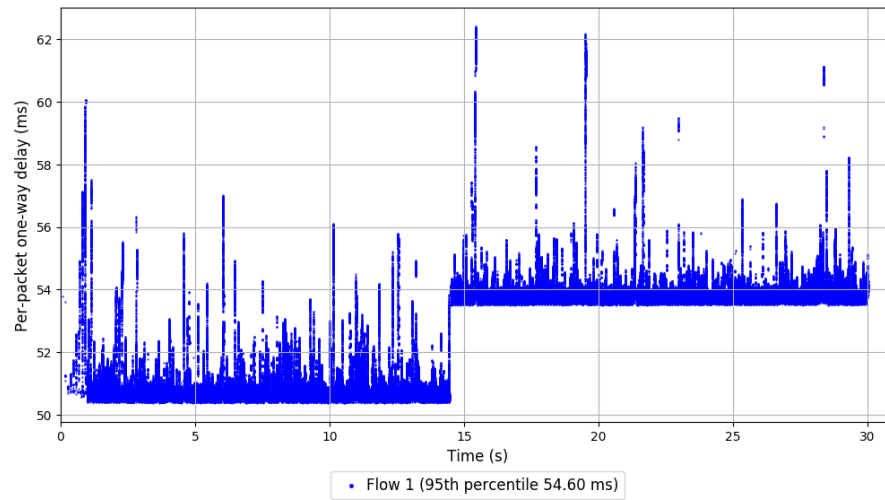
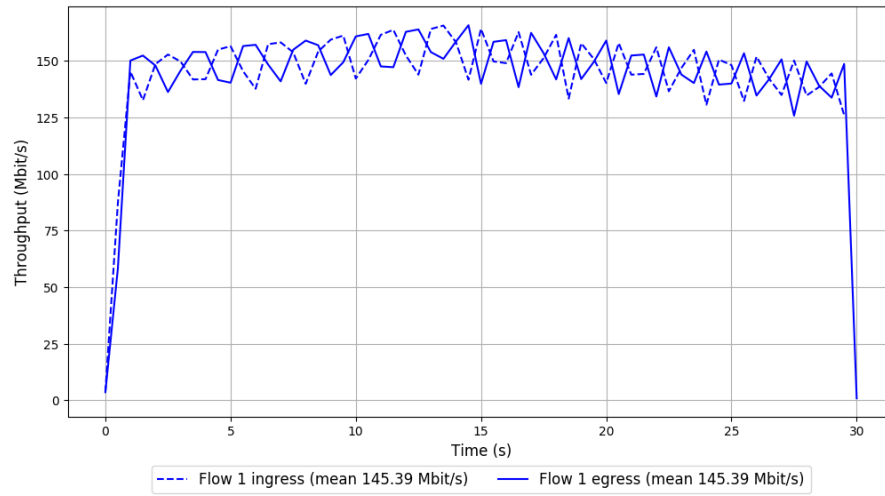
-- Flow 1:

Average throughput: 145.39 Mbit/s

95th percentile per-packet one-way delay: 54.605 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 10:11:57

End at: 2018-02-16 10:12:27

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.62 Mbit/s

95th percentile per-packet one-way delay: 54.709 ms

Loss rate: 0.02%

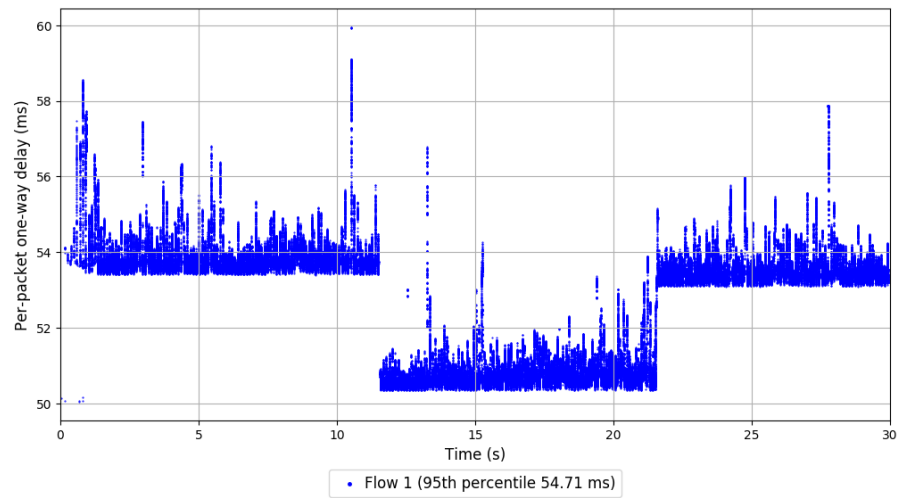
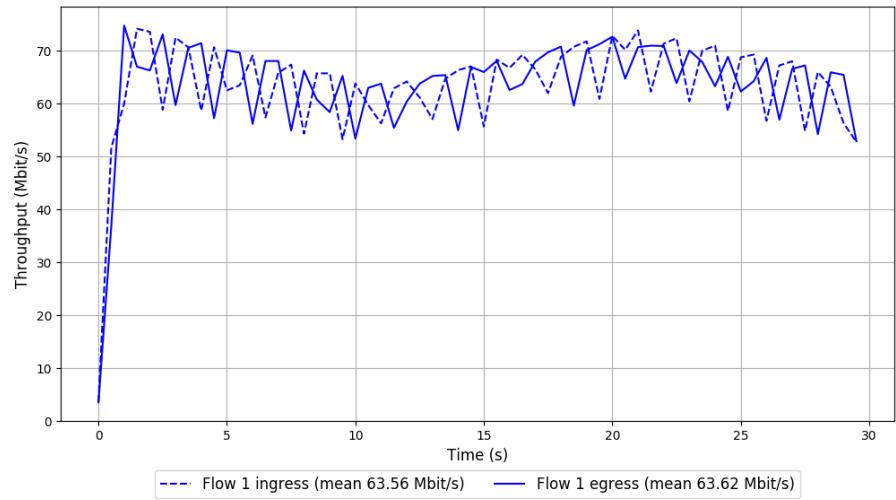
-- Flow 1:

Average throughput: 63.62 Mbit/s

95th percentile per-packet one-way delay: 54.709 ms

Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 10:26:35

End at: 2018-02-16 10:27:05

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.16 Mbit/s

95th percentile per-packet one-way delay: 54.446 ms

Loss rate: 0.00%

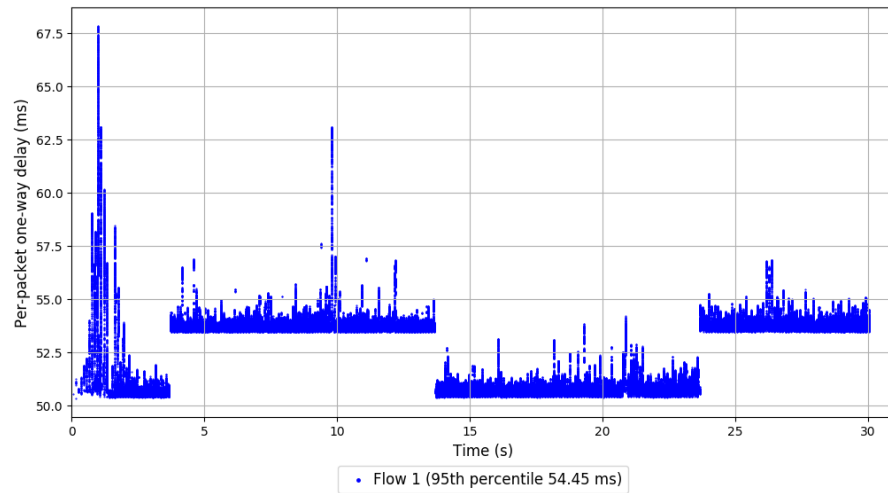
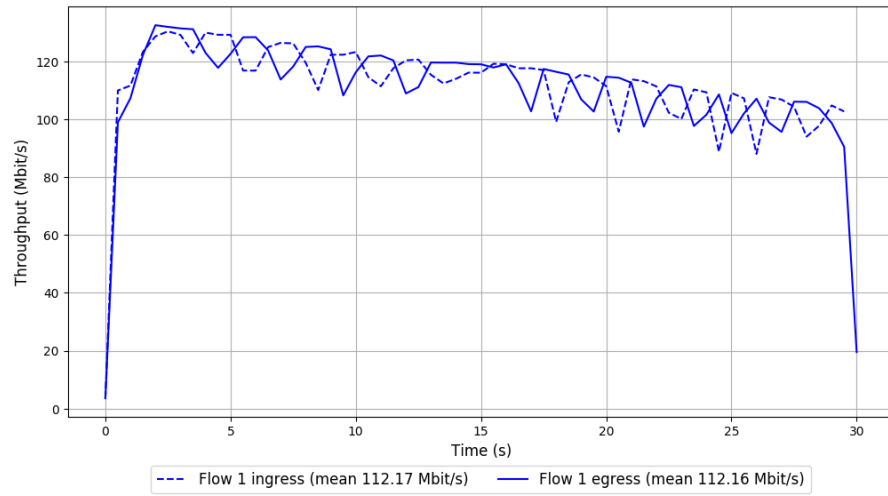
-- Flow 1:

Average throughput: 112.16 Mbit/s

95th percentile per-packet one-way delay: 54.446 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 10:40:59

End at: 2018-02-16 10:41:29

Below is generated by plot.py at 2018-02-16 13:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 56.072 ms

Loss rate: 0.00%

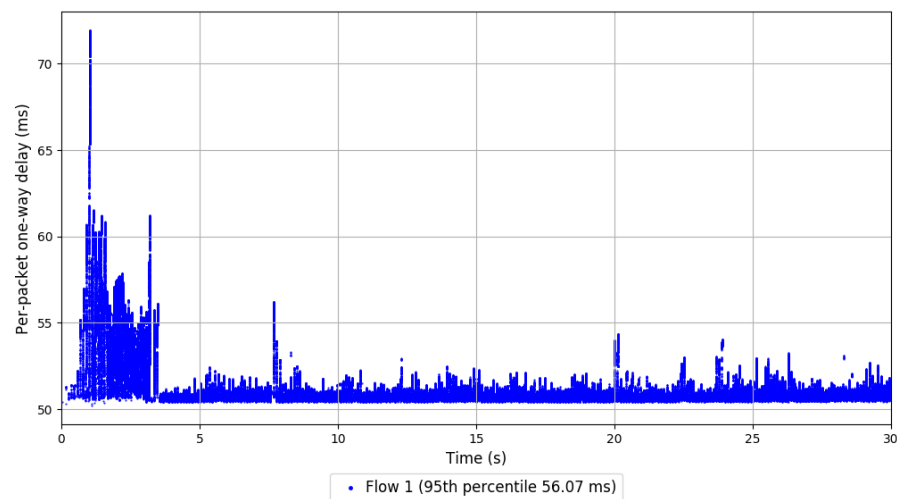
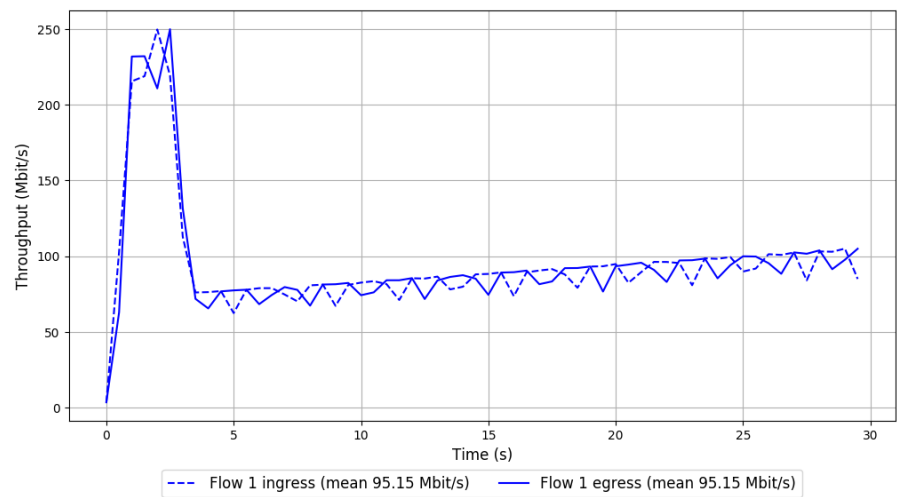
-- Flow 1:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 56.072 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-16 08:38:20

End at: 2018-02-16 08:38:50

Below is generated by plot.py at 2018-02-16 13:03:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.95 Mbit/s

95th percentile per-packet one-way delay: 123.996 ms

Loss rate: 0.53%

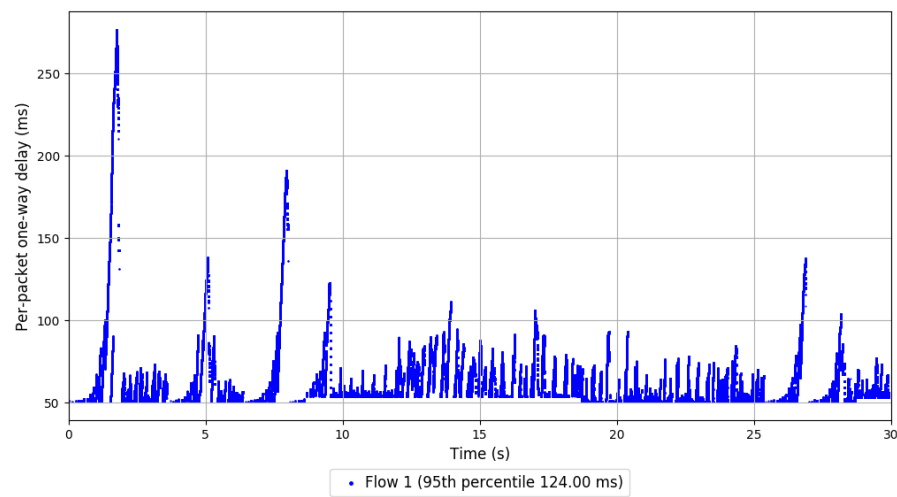
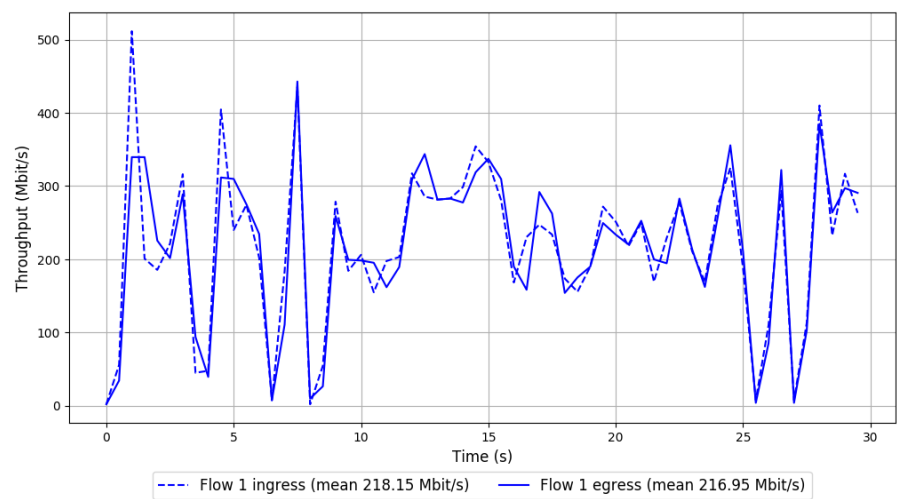
-- Flow 1:

Average throughput: 216.95 Mbit/s

95th percentile per-packet one-way delay: 123.996 ms

Loss rate: 0.53%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-16 08:52:47

End at: 2018-02-16 08:53:17

Below is generated by plot.py at 2018-02-16 13:03:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.85 Mbit/s

95th percentile per-packet one-way delay: 94.241 ms

Loss rate: 0.02%

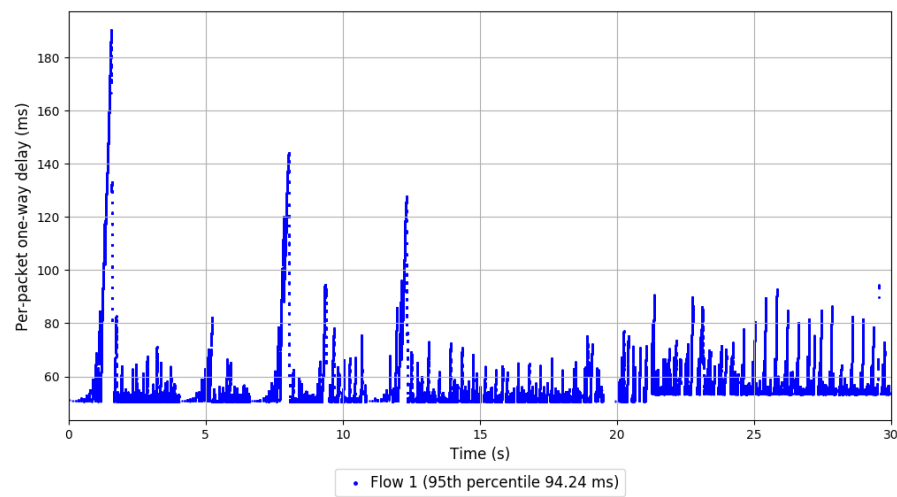
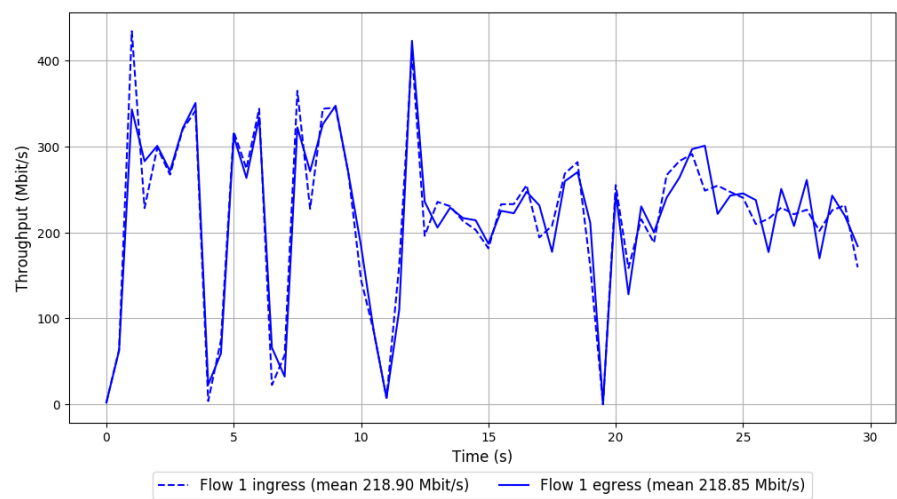
-- Flow 1:

Average throughput: 218.85 Mbit/s

95th percentile per-packet one-way delay: 94.241 ms

Loss rate: 0.02%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-16 09:07:12

End at: 2018-02-16 09:07:42

Below is generated by plot.py at 2018-02-16 13:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.44 Mbit/s

95th percentile per-packet one-way delay: 117.811 ms

Loss rate: 0.11%

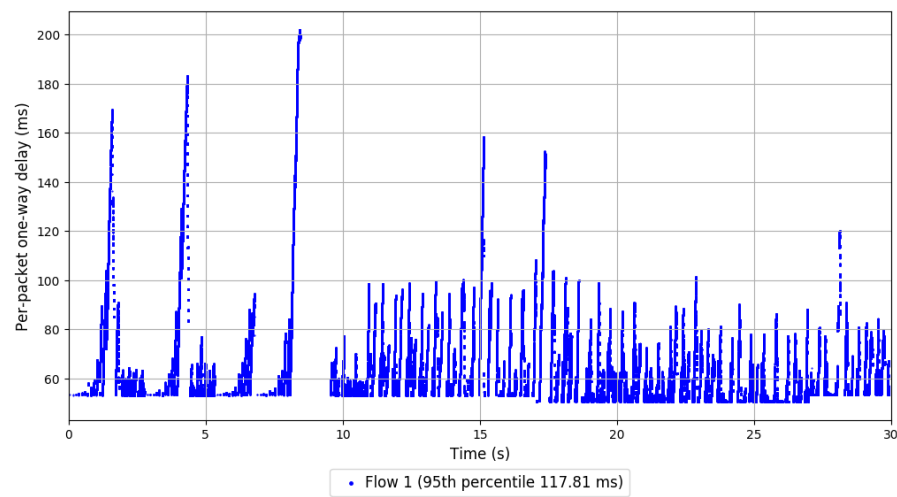
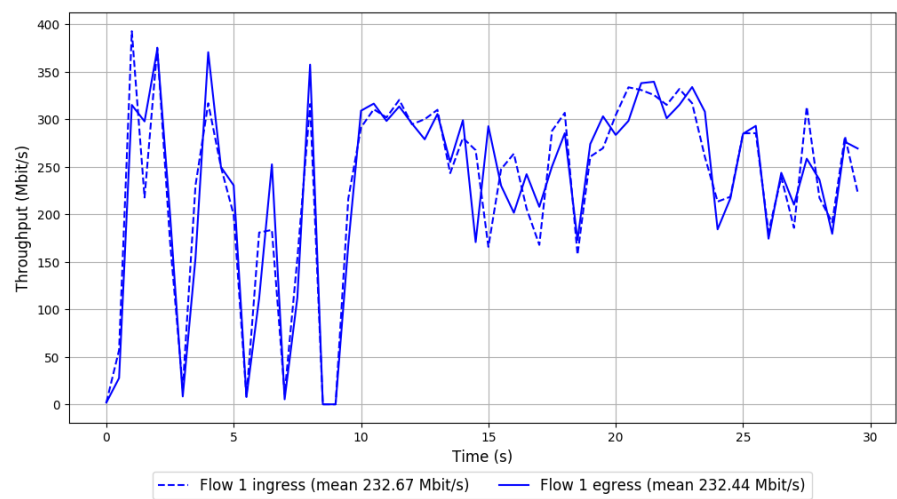
-- Flow 1:

Average throughput: 232.44 Mbit/s

95th percentile per-packet one-way delay: 117.811 ms

Loss rate: 0.11%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-16 09:21:38

End at: 2018-02-16 09:22:08

Below is generated by plot.py at 2018-02-16 13:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.53 Mbit/s

95th percentile per-packet one-way delay: 123.152 ms

Loss rate: 0.88%

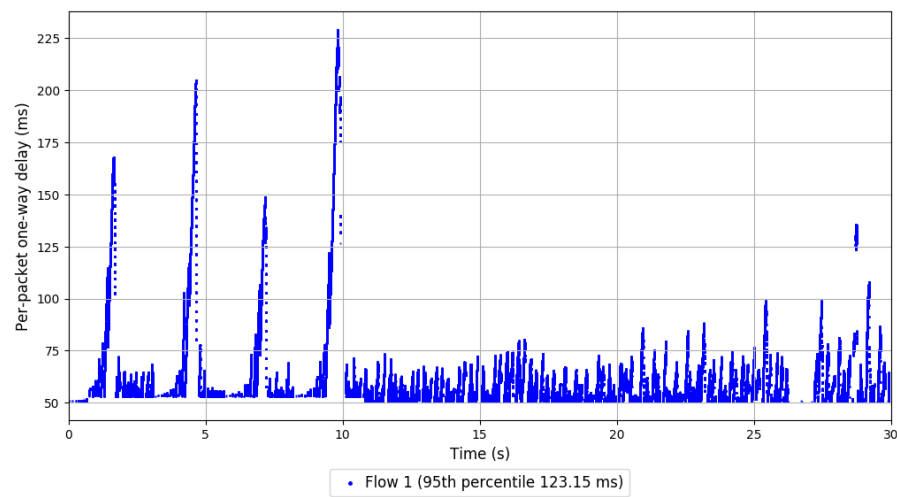
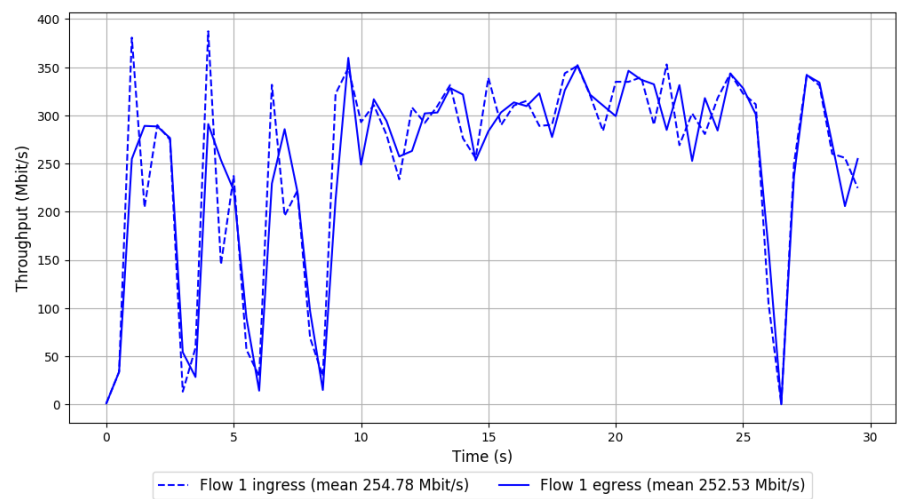
-- Flow 1:

Average throughput: 252.53 Mbit/s

95th percentile per-packet one-way delay: 123.152 ms

Loss rate: 0.88%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-16 09:35:53

End at: 2018-02-16 09:36:23

Below is generated by plot.py at 2018-02-16 13:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.68 Mbit/s

95th percentile per-packet one-way delay: 182.509 ms

Loss rate: 0.65%

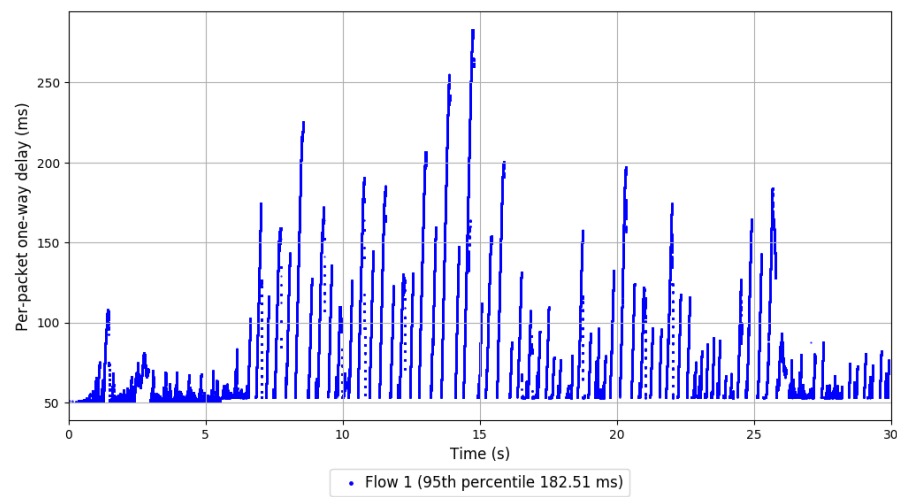
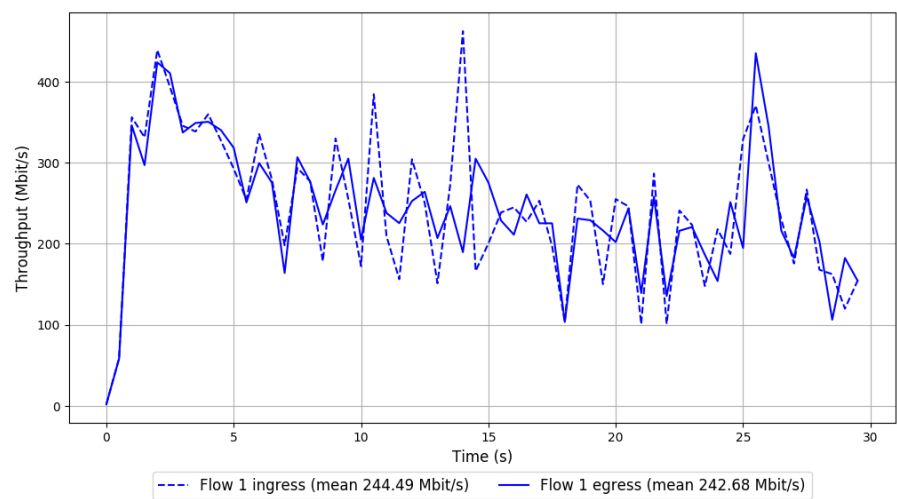
-- Flow 1:

Average throughput: 242.68 Mbit/s

95th percentile per-packet one-way delay: 182.509 ms

Loss rate: 0.65%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-16 09:50:32

End at: 2018-02-16 09:51:02

Below is generated by plot.py at 2018-02-16 13:05:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.28 Mbit/s

95th percentile per-packet one-way delay: 97.449 ms

Loss rate: 1.45%

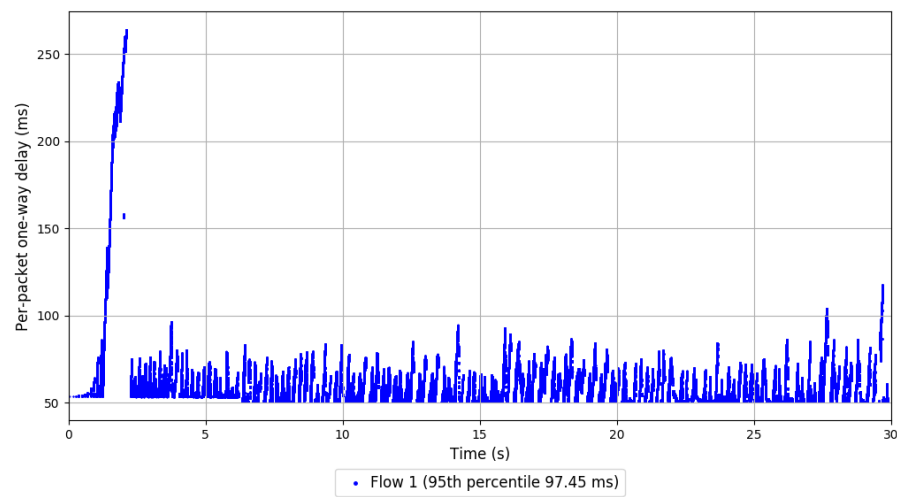
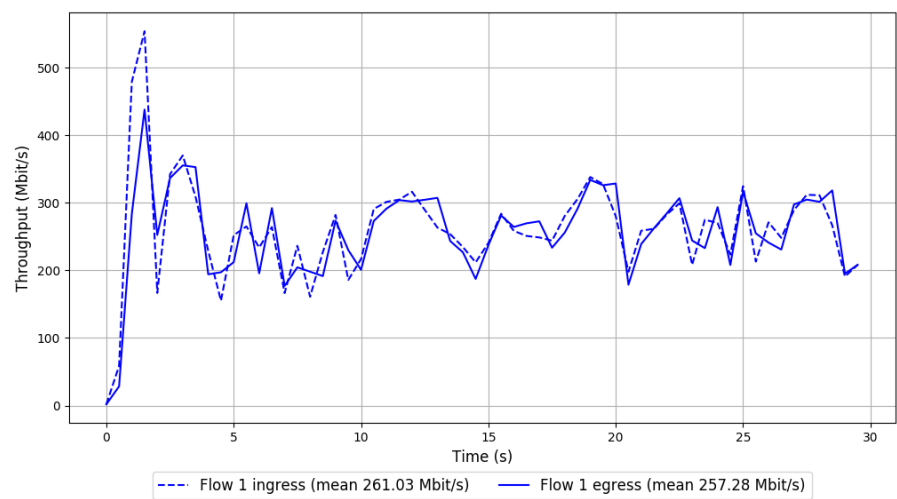
-- Flow 1:

Average throughput: 257.28 Mbit/s

95th percentile per-packet one-way delay: 97.449 ms

Loss rate: 1.45%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-16 10:04:56

End at: 2018-02-16 10:05:26

Below is generated by plot.py at 2018-02-16 13:05:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.38 Mbit/s

95th percentile per-packet one-way delay: 82.597 ms

Loss rate: 0.10%

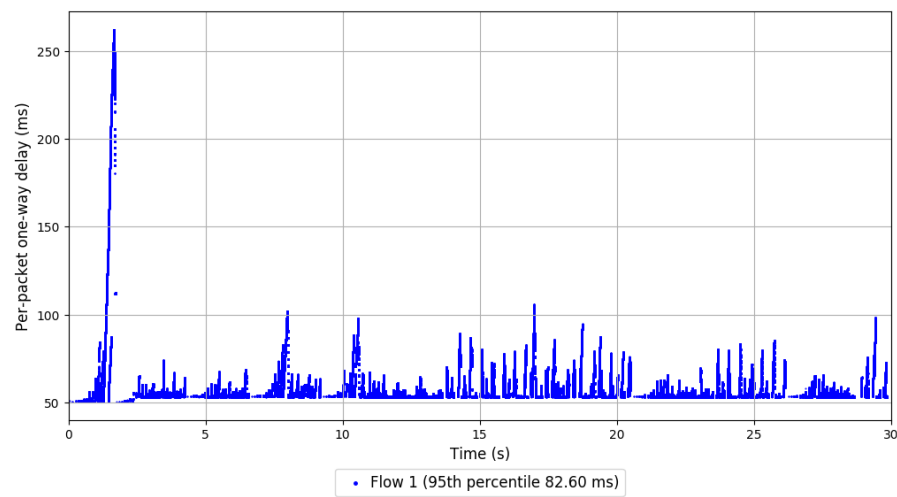
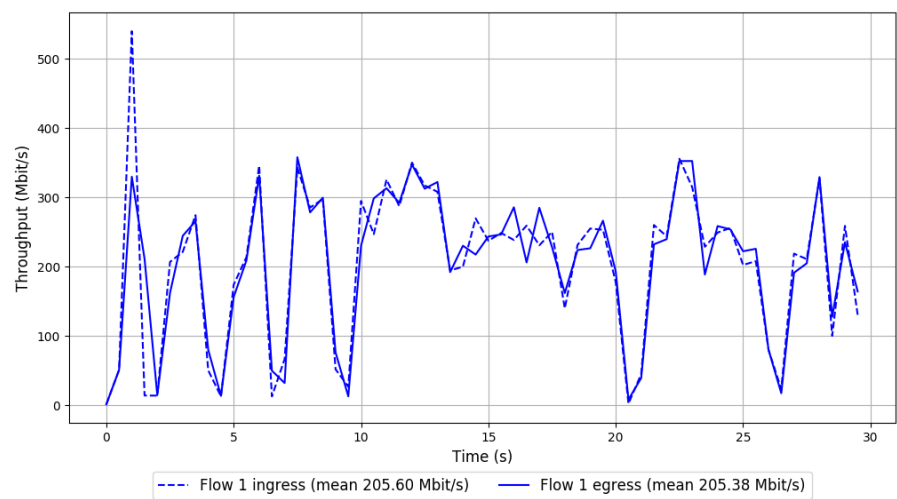
-- Flow 1:

Average throughput: 205.38 Mbit/s

95th percentile per-packet one-way delay: 82.597 ms

Loss rate: 0.10%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-16 10:19:18

End at: 2018-02-16 10:19:49

Below is generated by plot.py at 2018-02-16 13:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.68 Mbit/s

95th percentile per-packet one-way delay: 77.832 ms

Loss rate: 0.01%

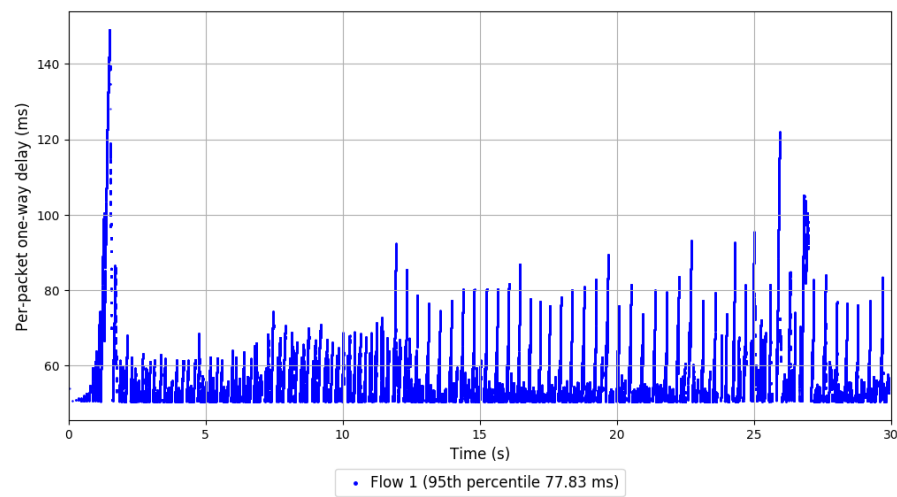
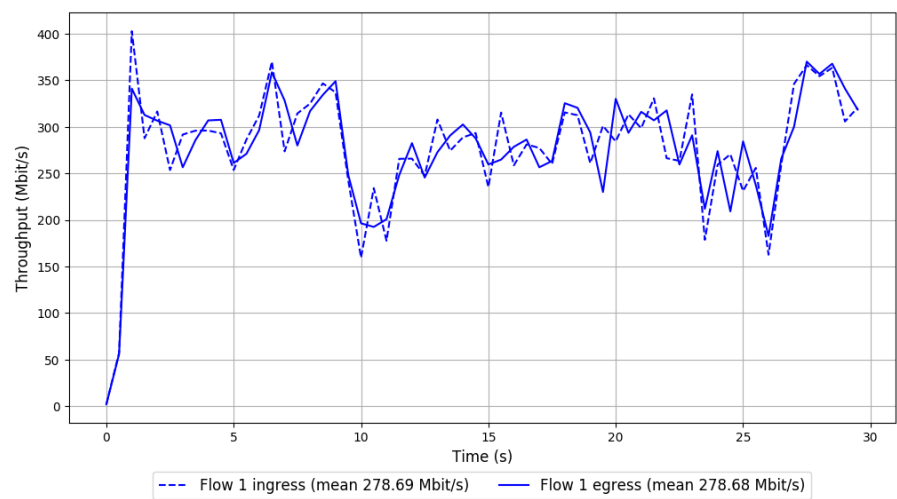
-- Flow 1:

Average throughput: 278.68 Mbit/s

95th percentile per-packet one-way delay: 77.832 ms

Loss rate: 0.01%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-16 10:33:55

End at: 2018-02-16 10:34:25

Below is generated by plot.py at 2018-02-16 13:08:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.20 Mbit/s

95th percentile per-packet one-way delay: 209.365 ms

Loss rate: 0.93%

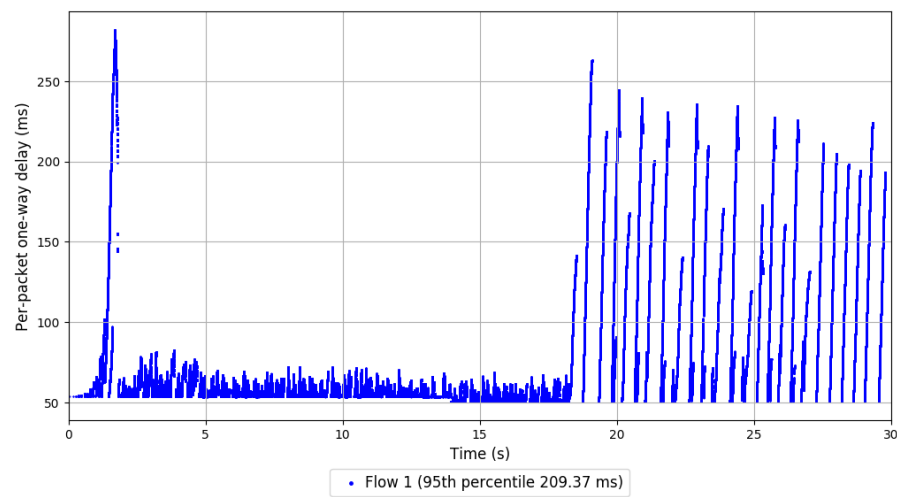
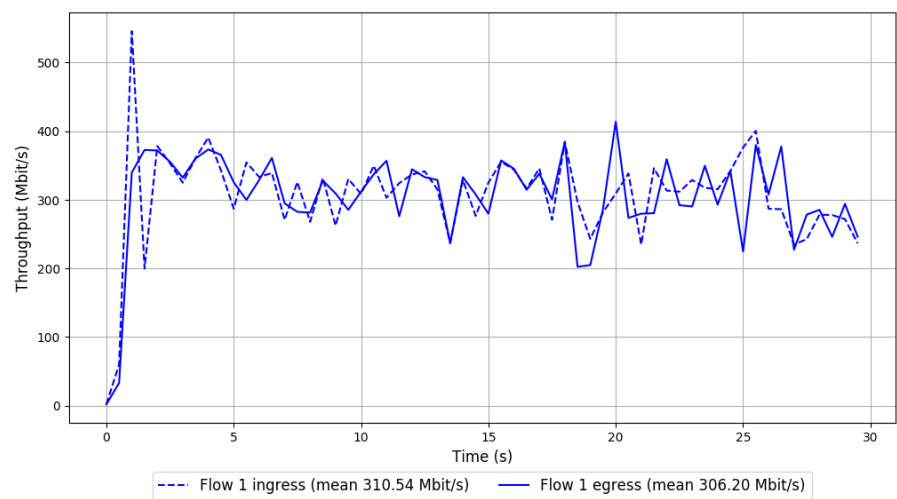
-- Flow 1:

Average throughput: 306.20 Mbit/s

95th percentile per-packet one-way delay: 209.365 ms

Loss rate: 0.93%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-16 10:48:24

End at: 2018-02-16 10:48:54

Below is generated by plot.py at 2018-02-16 13:08:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.94 Mbit/s

95th percentile per-packet one-way delay: 192.383 ms

Loss rate: 1.79%

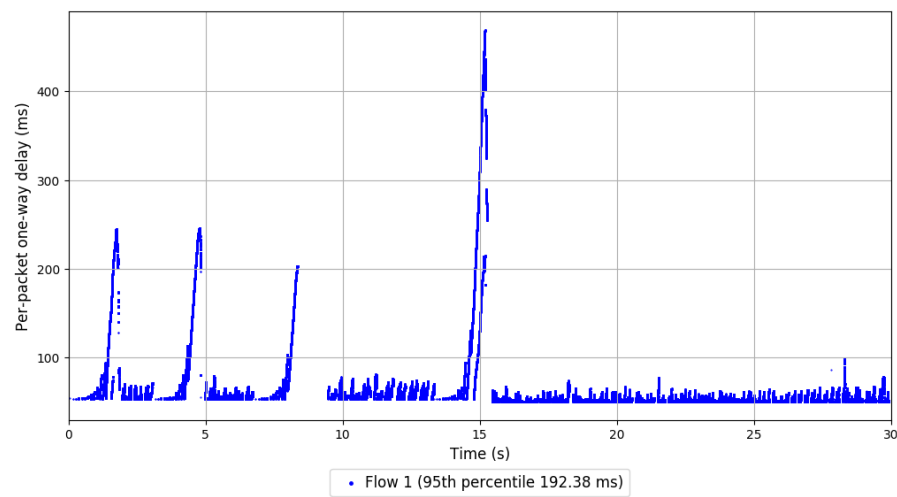
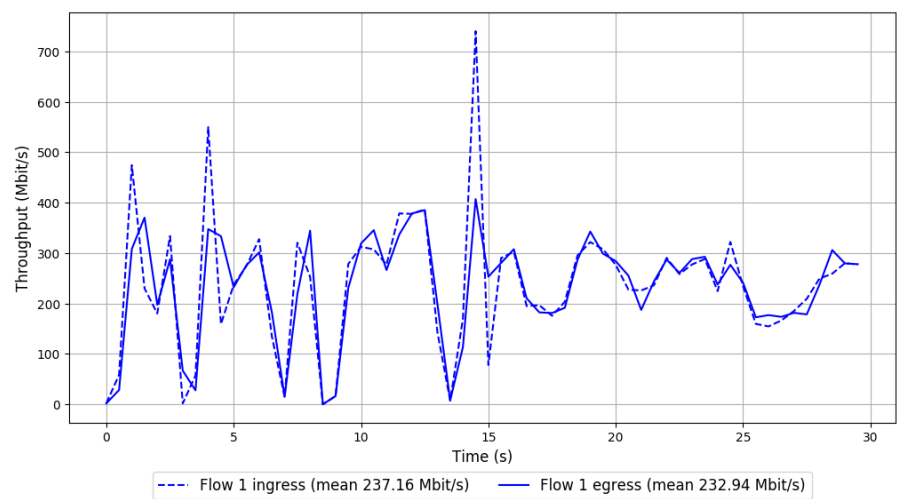
-- Flow 1:

Average throughput: 232.94 Mbit/s

95th percentile per-packet one-way delay: 192.383 ms

Loss rate: 1.79%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-16 08:30:06

End at: 2018-02-16 08:30:36

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.26 Mbit/s

95th percentile per-packet one-way delay: 246.187 ms

Loss rate: 34.97%

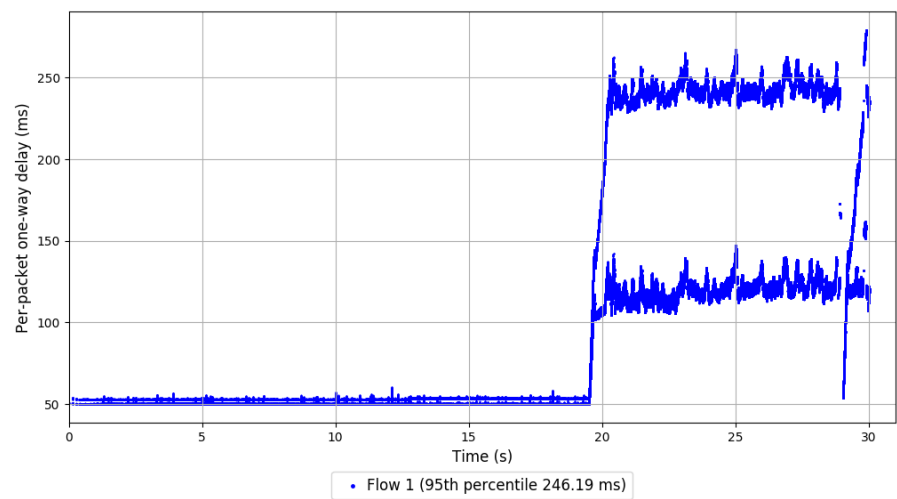
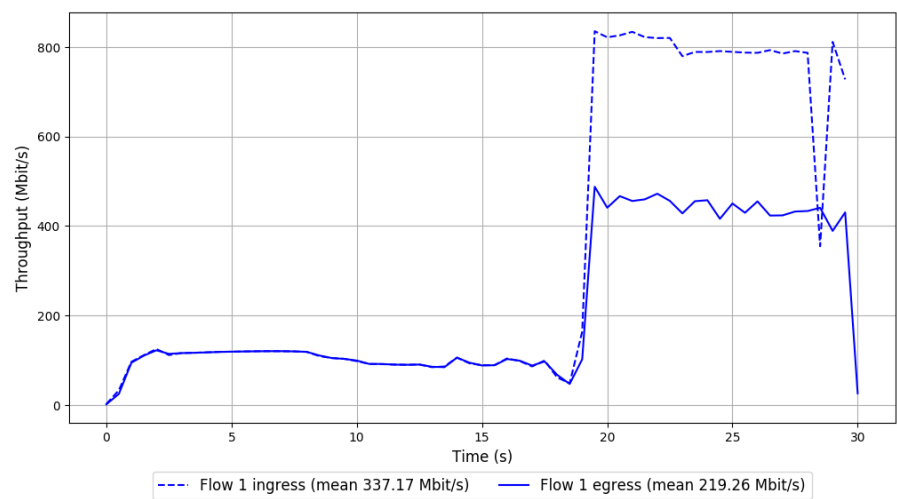
-- Flow 1:

Average throughput: 219.26 Mbit/s

95th percentile per-packet one-way delay: 246.187 ms

Loss rate: 34.97%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-16 08:44:49

End at: 2018-02-16 08:45:19

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.40 Mbit/s

95th percentile per-packet one-way delay: 53.773 ms

Loss rate: 0.01%

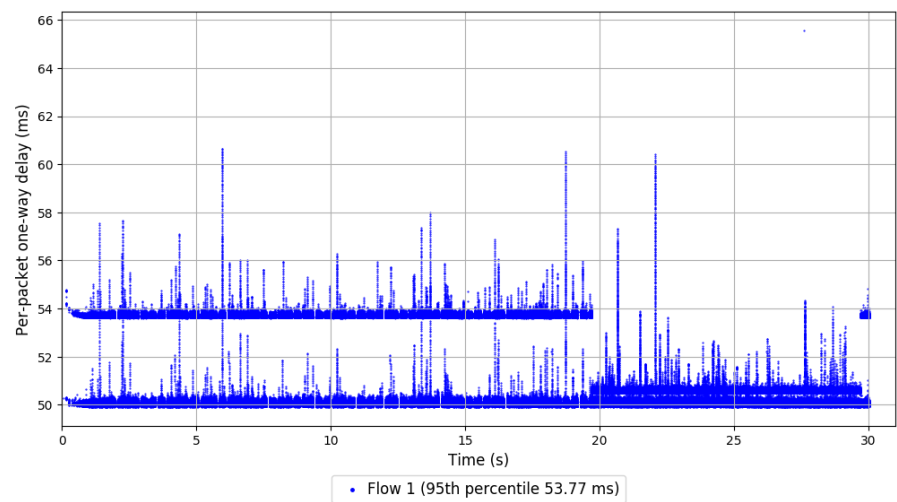
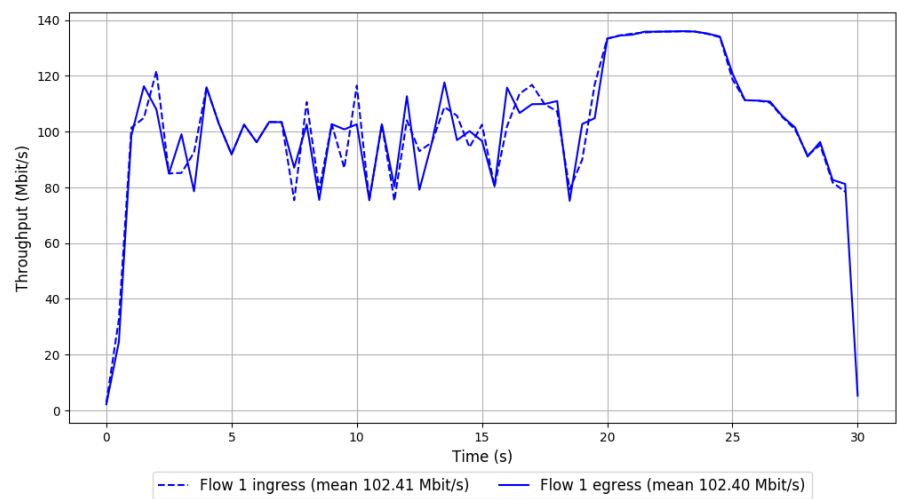
-- Flow 1:

Average throughput: 102.40 Mbit/s

95th percentile per-packet one-way delay: 53.773 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-16 08:59:07

End at: 2018-02-16 08:59:37

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 53.441 ms

Loss rate: 0.00%

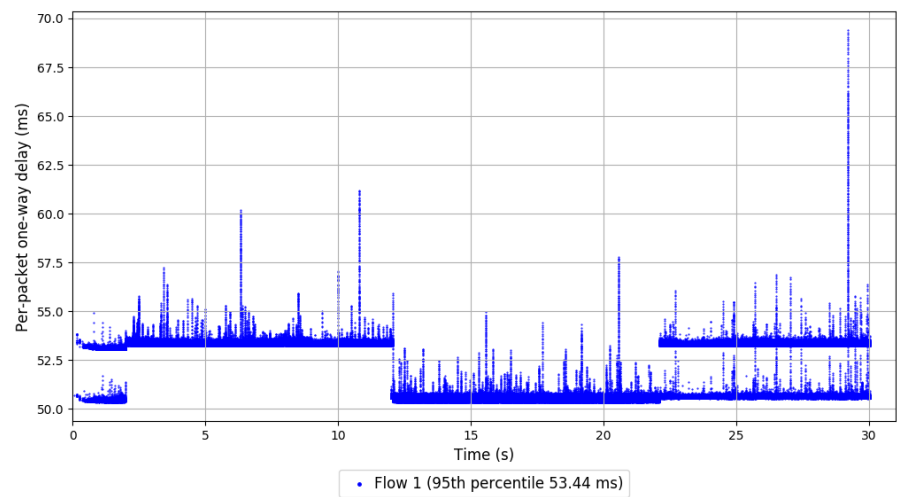
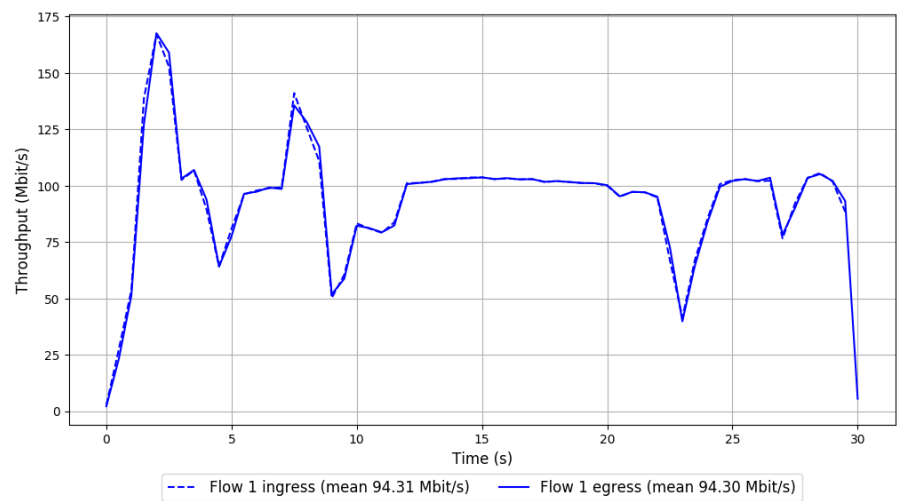
-- Flow 1:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 53.441 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-16 09:13:32

End at: 2018-02-16 09:14:02

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: 53.306 ms

Loss rate: 0.00%

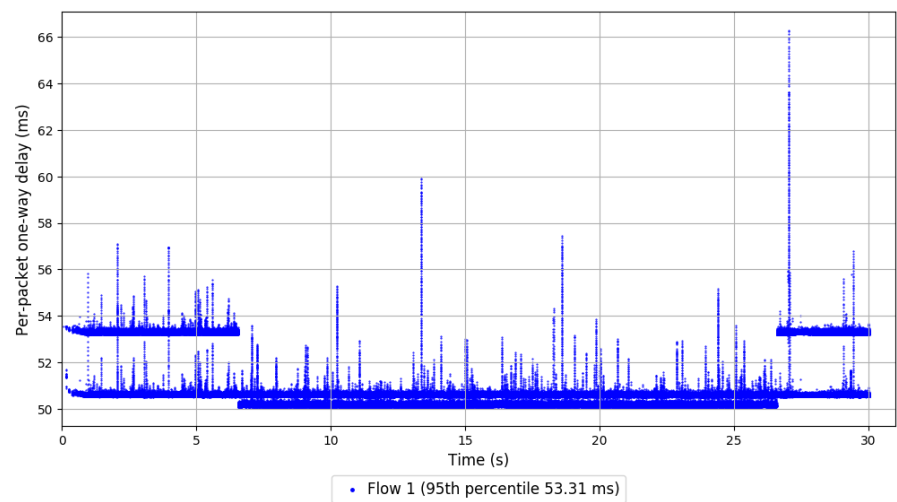
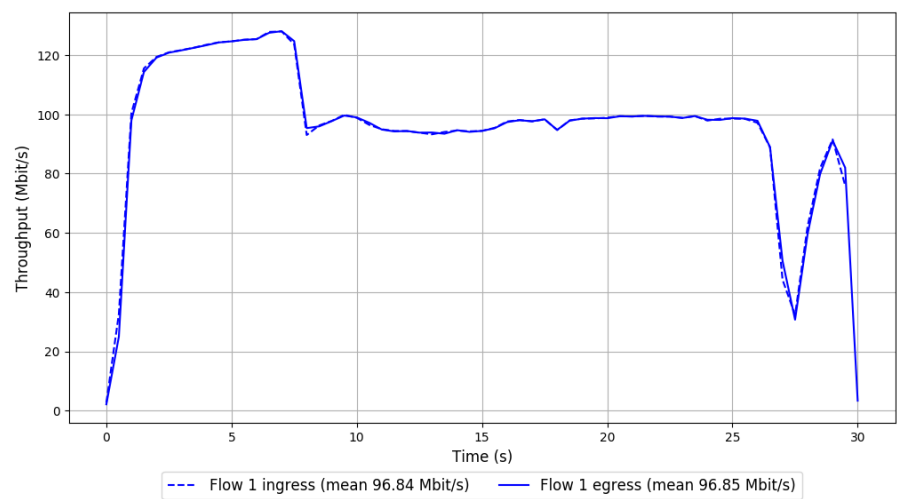
-- Flow 1:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: 53.306 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-16 09:27:54

End at: 2018-02-16 09:28:24

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 53.424 ms

Loss rate: 0.00%

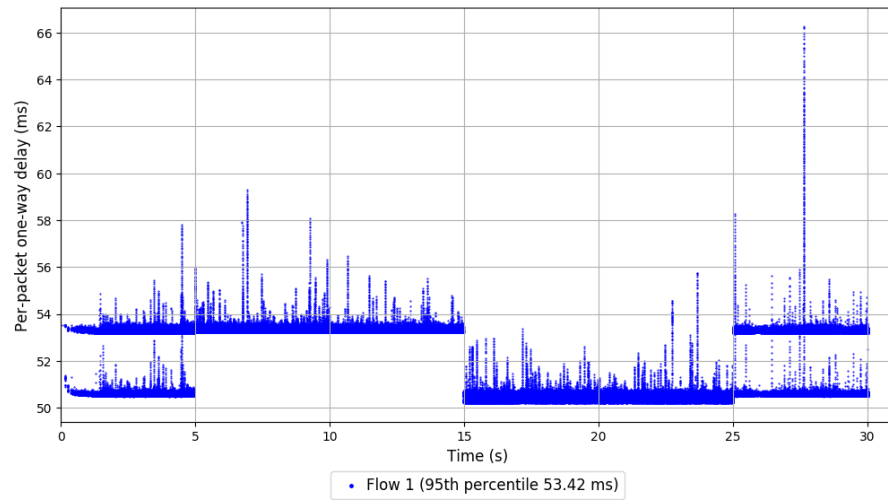
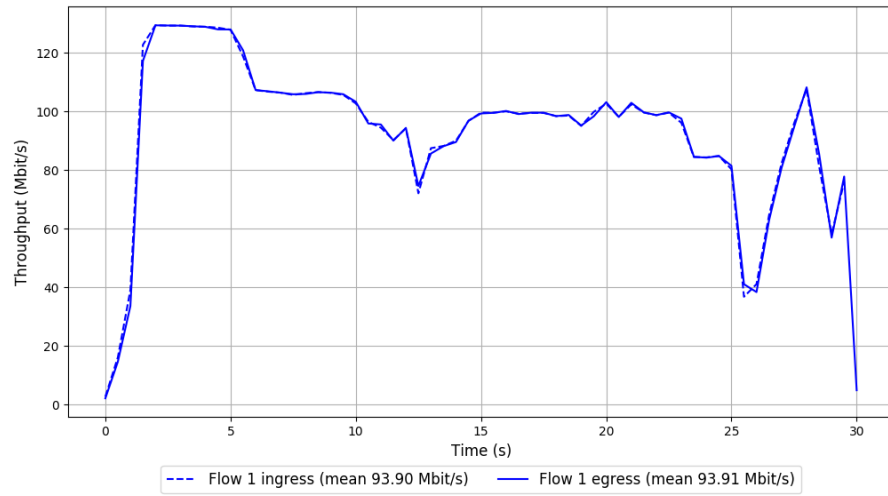
-- Flow 1:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 53.424 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-16 09:42:26

End at: 2018-02-16 09:42:56

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 53.755 ms

Loss rate: 0.01%

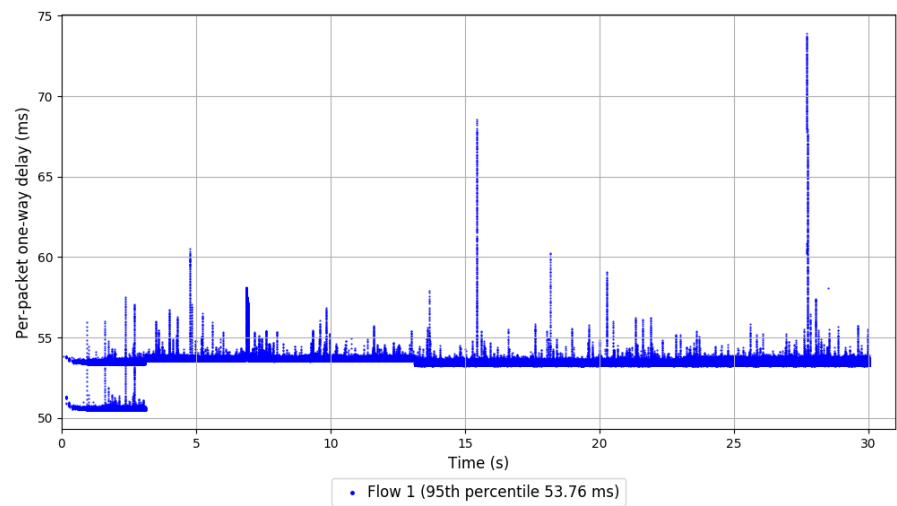
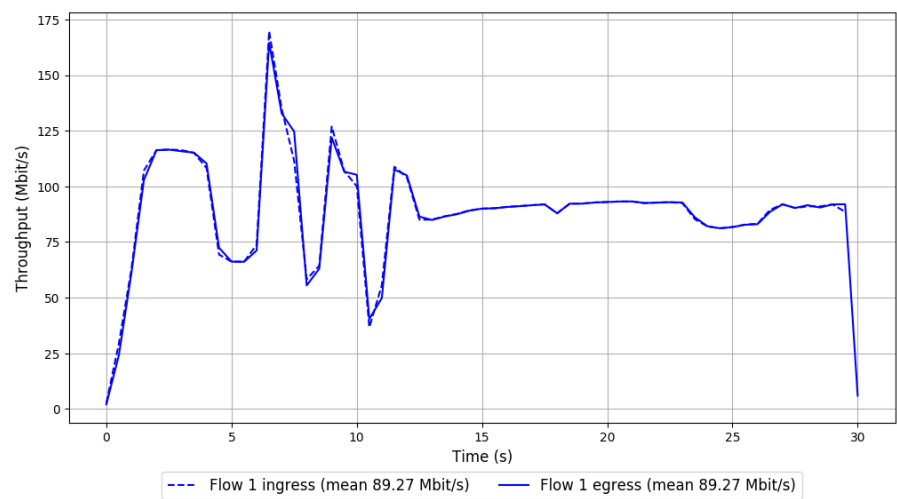
-- Flow 1:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 53.755 ms

Loss rate: 0.01%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-16 09:56:49

End at: 2018-02-16 09:57:19

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.21 Mbit/s

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

Loss rate: 0.00%

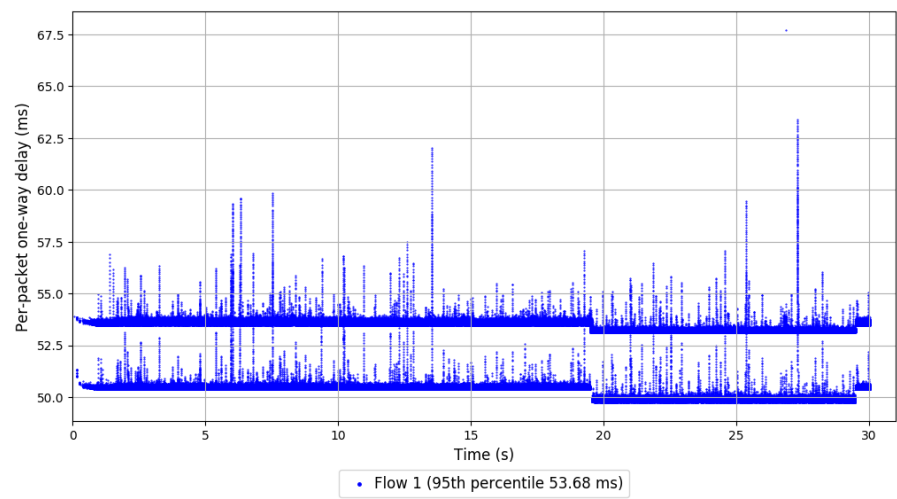
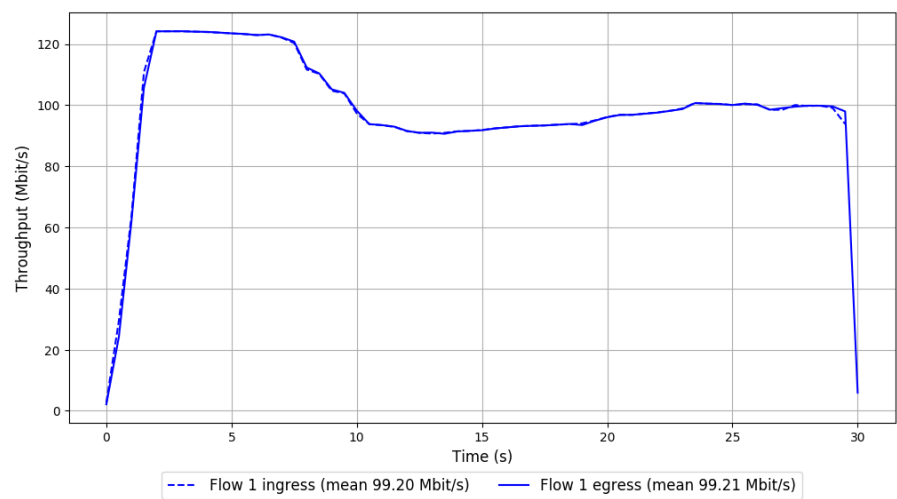
-- Flow 1:

Average throughput: 99.21 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-16 10:11:13

End at: 2018-02-16 10:11:43

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.92 Mbit/s

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

Loss rate: 0.00%

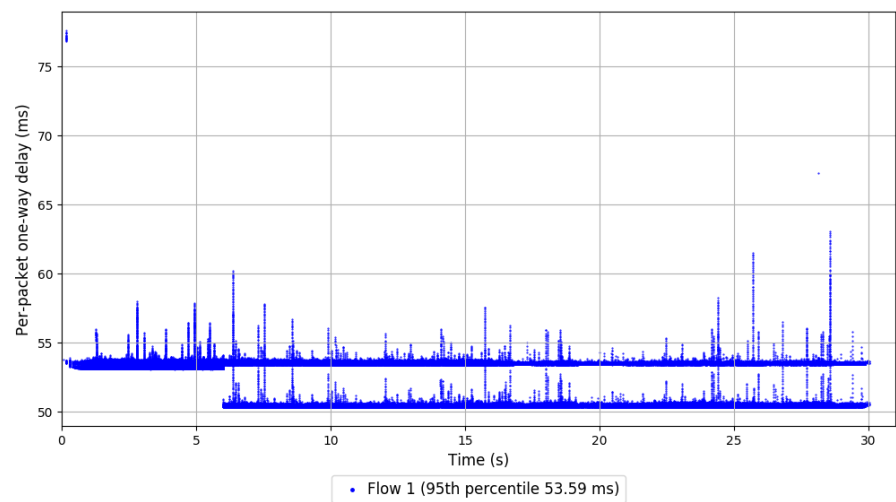
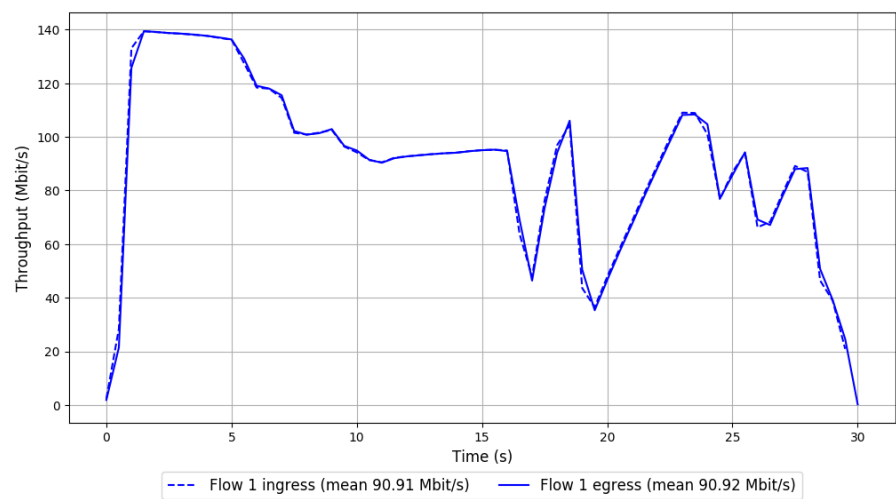
-- Flow 1:

Average throughput: 90.92 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-16 10:25:50

End at: 2018-02-16 10:26:20

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 53.536 ms

Loss rate: 0.00%

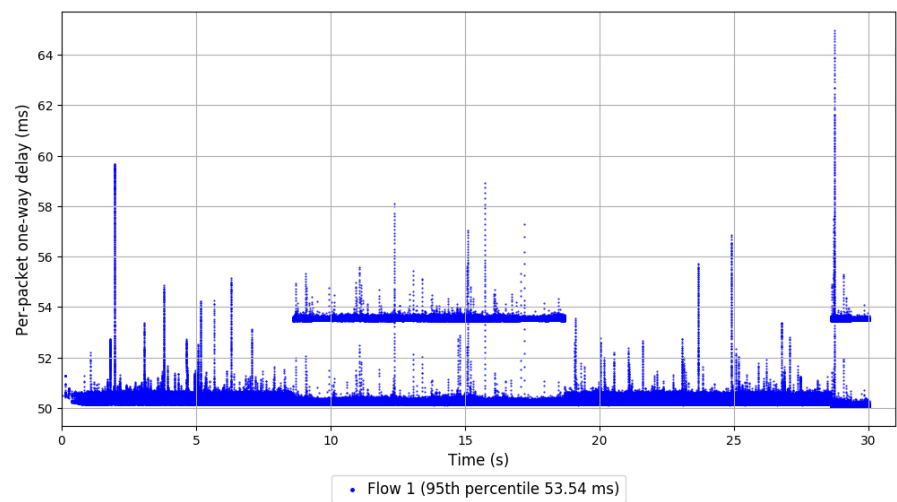
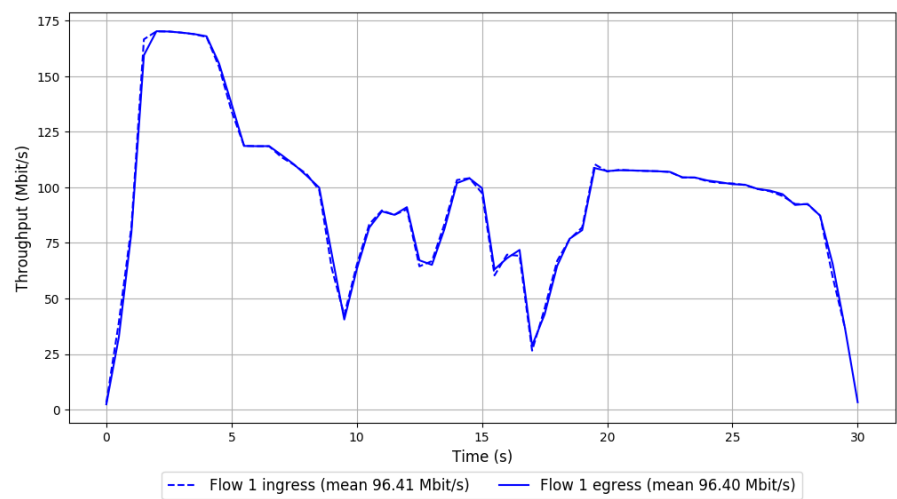
-- Flow 1:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 53.536 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-16 10:40:15

End at: 2018-02-16 10:40:45

Below is generated by plot.py at 2018-02-16 13:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 53.567 ms

Loss rate: 0.00%

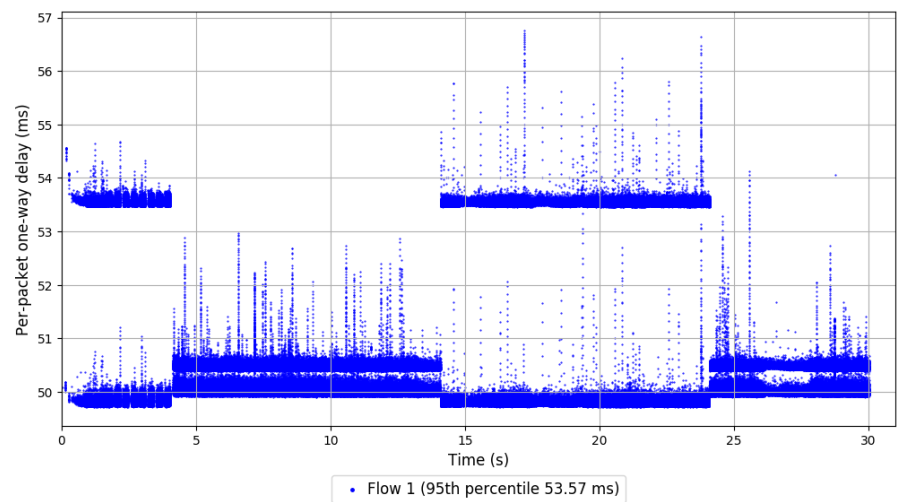
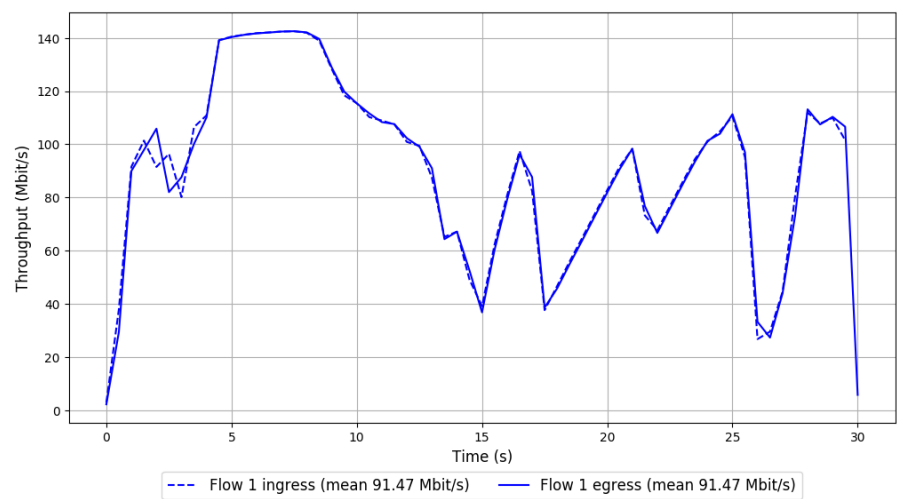
-- Flow 1:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 53.567 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

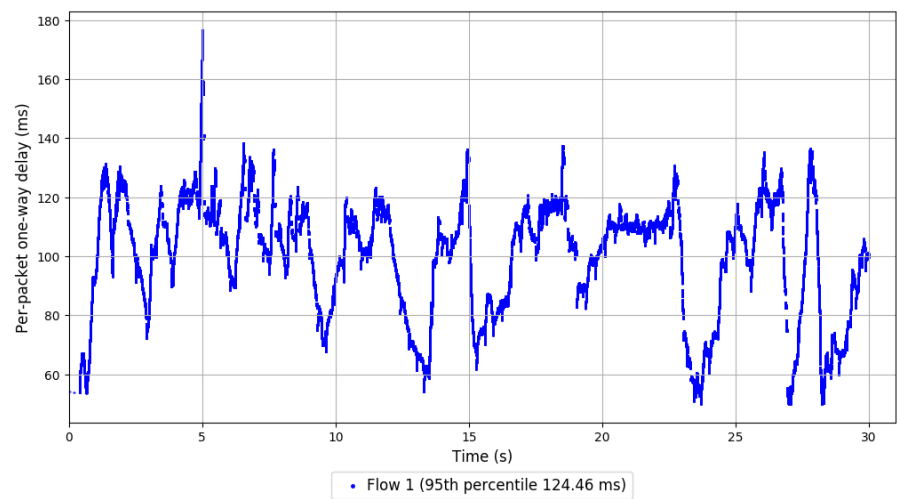
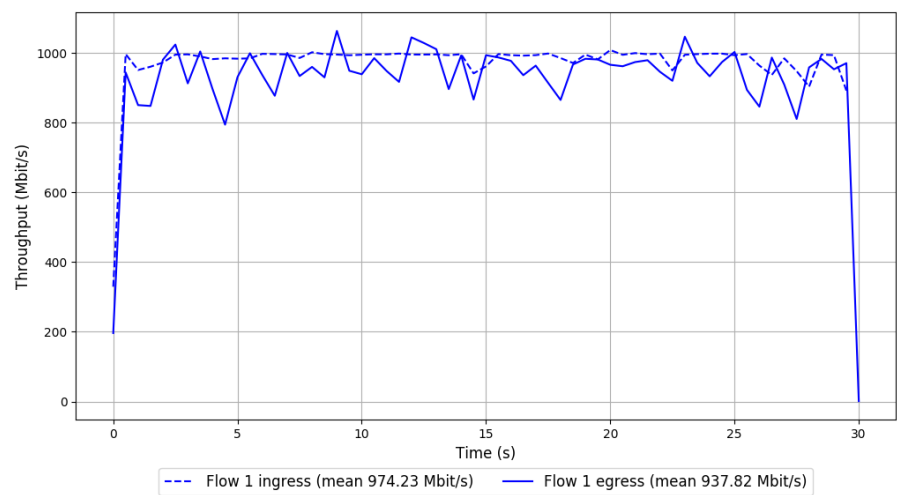


```
Run 1: Statistics of FillP

Start at: 2018-02-16 08:37:12
End at: 2018-02-16 08:37:42

# Below is generated by plot.py at 2018-02-16 13:26:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 937.82 Mbit/s
95th percentile per-packet one-way delay: 124.461 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 937.82 Mbit/s
95th percentile per-packet one-way delay: 124.461 ms
Loss rate: 3.75%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-16 08:51:39

End at: 2018-02-16 08:52:09

Below is generated by plot.py at 2018-02-16 13:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 915.47 Mbit/s

95th percentile per-packet one-way delay: 125.155 ms

Loss rate: 4.84%

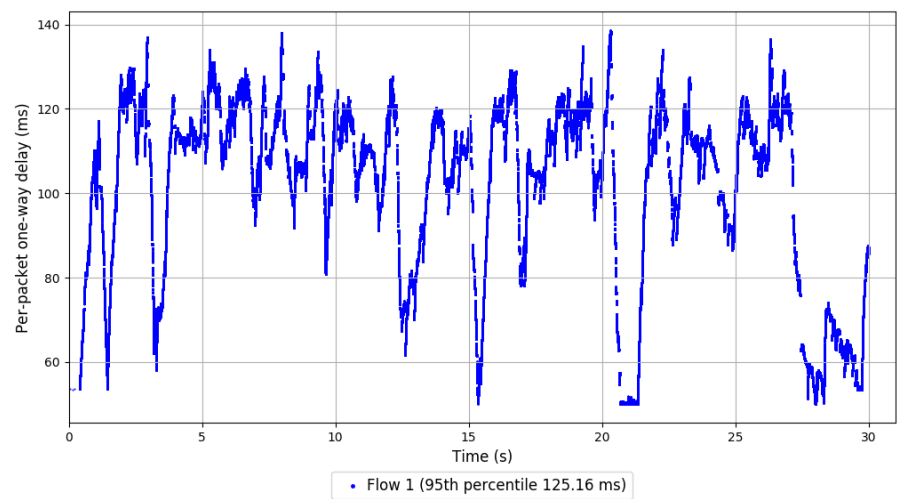
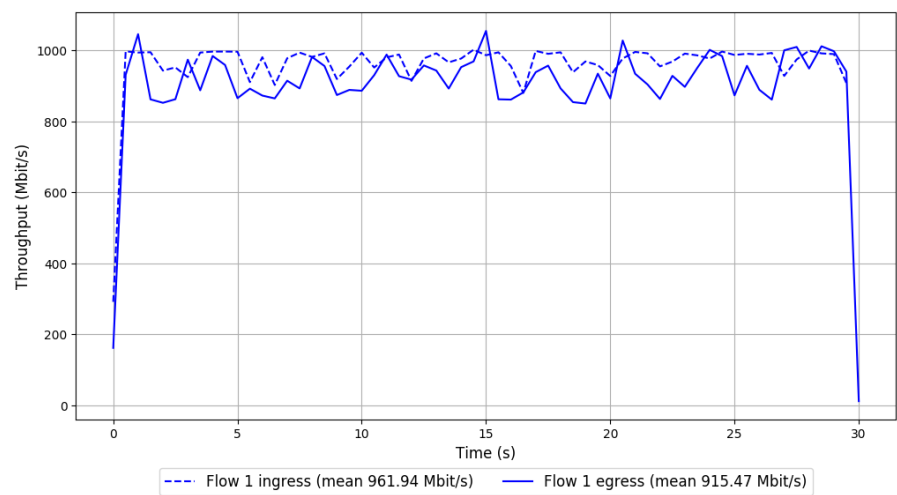
-- Flow 1:

Average throughput: 915.47 Mbit/s

95th percentile per-packet one-way delay: 125.155 ms

Loss rate: 4.84%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-16 09:06:03

End at: 2018-02-16 09:06:33

Below is generated by plot.py at 2018-02-16 13:27:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 904.02 Mbit/s

95th percentile per-packet one-way delay: 127.550 ms

Loss rate: 6.30%

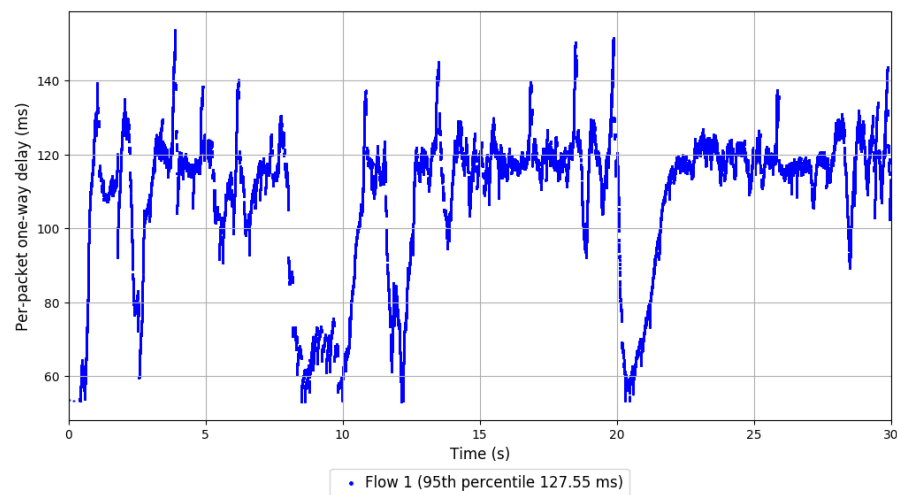
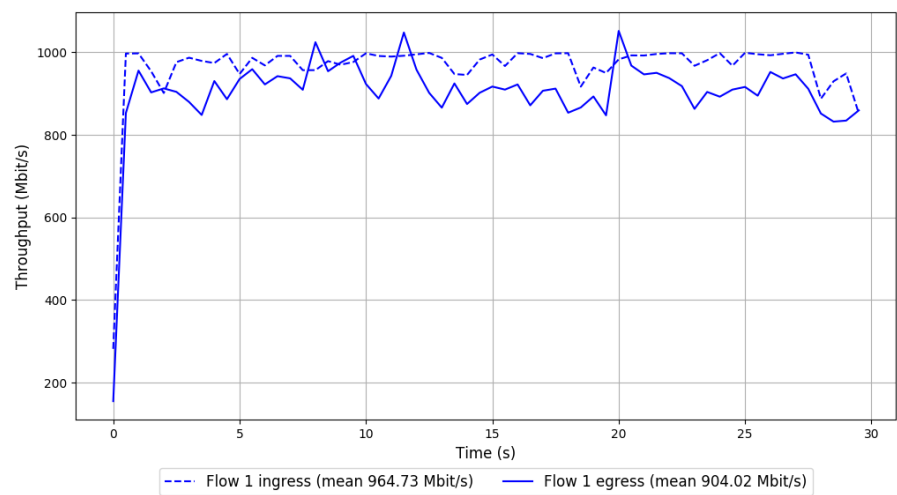
-- Flow 1:

Average throughput: 904.02 Mbit/s

95th percentile per-packet one-way delay: 127.550 ms

Loss rate: 6.30%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-16 09:20:29

End at: 2018-02-16 09:20:59

Below is generated by plot.py at 2018-02-16 13:27:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 945.88 Mbit/s

95th percentile per-packet one-way delay: 121.999 ms

Loss rate: 2.56%

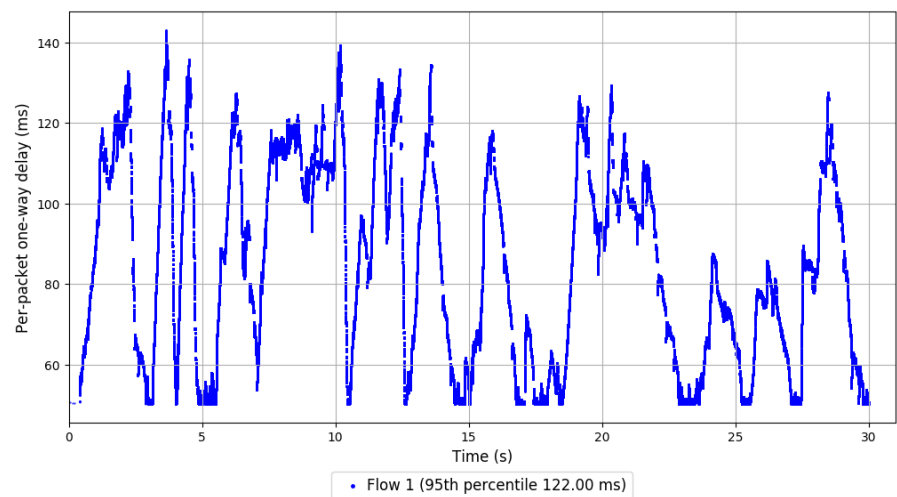
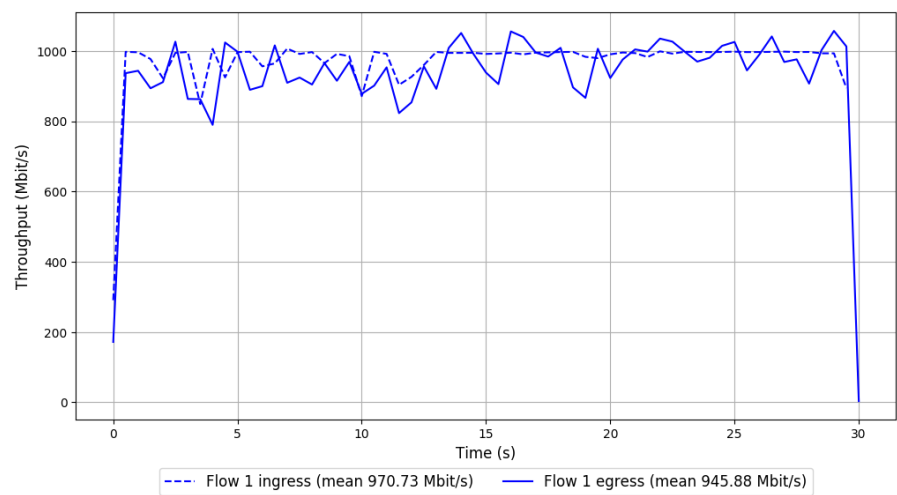
-- Flow 1:

Average throughput: 945.88 Mbit/s

95th percentile per-packet one-way delay: 121.999 ms

Loss rate: 2.56%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-16 09:34:44

End at: 2018-02-16 09:35:14

Below is generated by plot.py at 2018-02-16 13:27:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 843.40 Mbit/s

95th percentile per-packet one-way delay: 297.708 ms

Loss rate: 9.35%

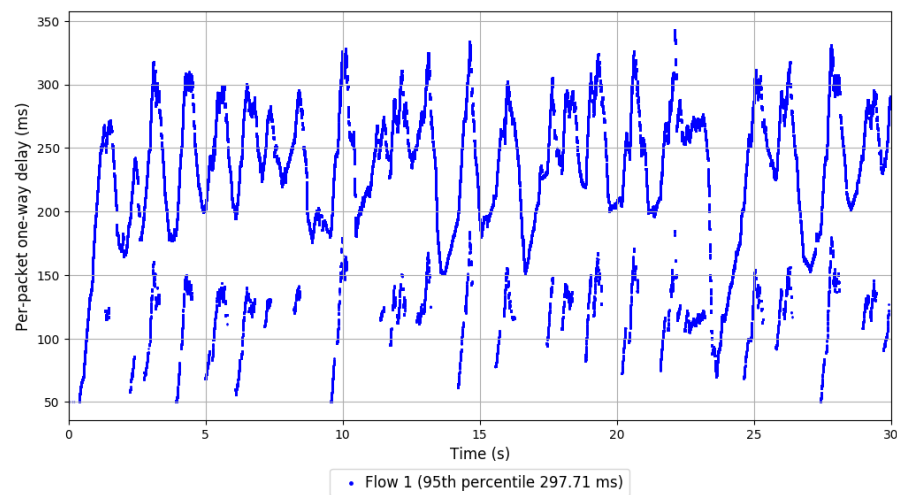
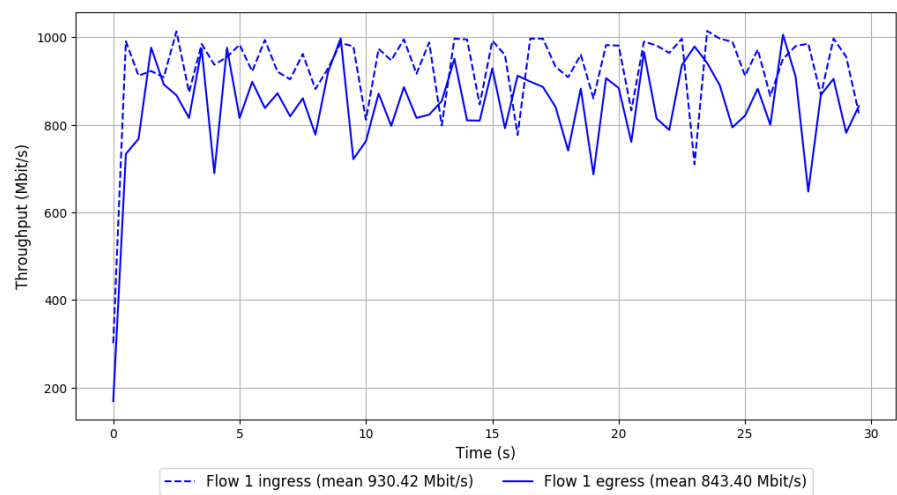
-- Flow 1:

Average throughput: 843.40 Mbit/s

95th percentile per-packet one-way delay: 297.708 ms

Loss rate: 9.35%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-16 09:49:22

End at: 2018-02-16 09:49:52

Below is generated by plot.py at 2018-02-16 13:27:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 933.16 Mbit/s

95th percentile per-packet one-way delay: 277.460 ms

Loss rate: 3.90%

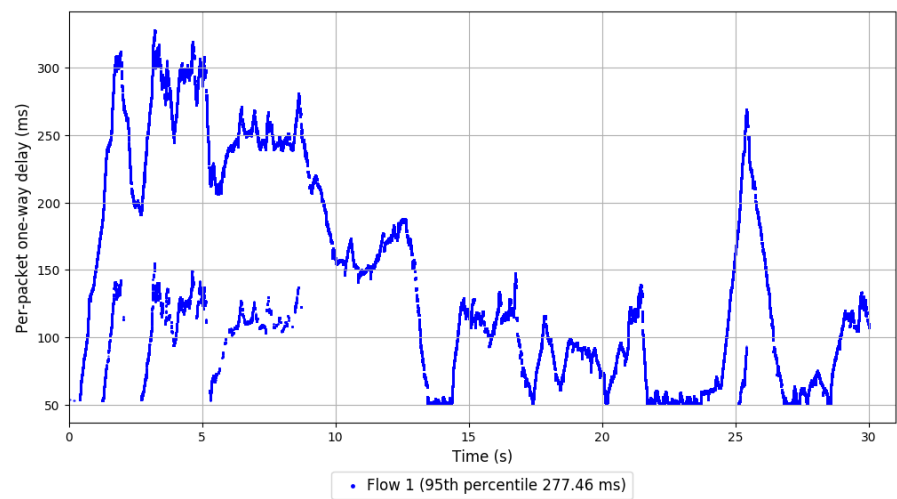
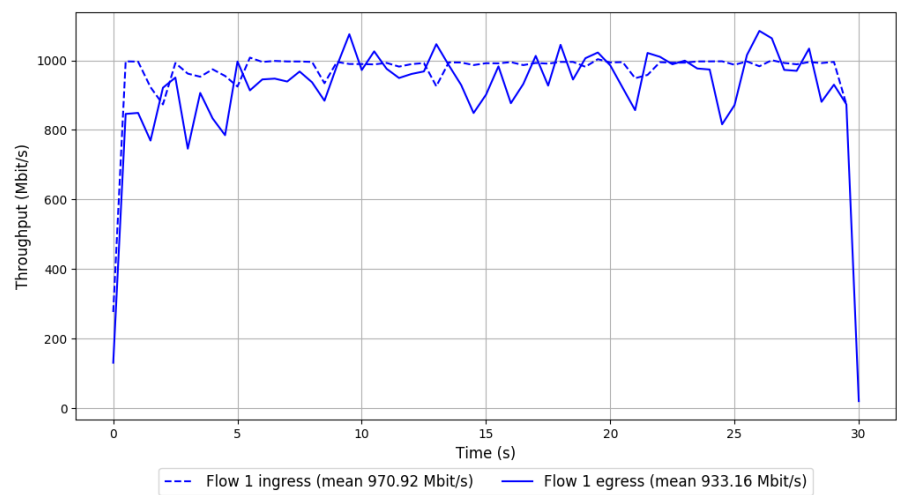
-- Flow 1:

Average throughput: 933.16 Mbit/s

95th percentile per-packet one-way delay: 277.460 ms

Loss rate: 3.90%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-16 10:03:48

End at: 2018-02-16 10:04:18

Below is generated by plot.py at 2018-02-16 13:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 935.44 Mbit/s

95th percentile per-packet one-way delay: 122.937 ms

Loss rate: 3.64%

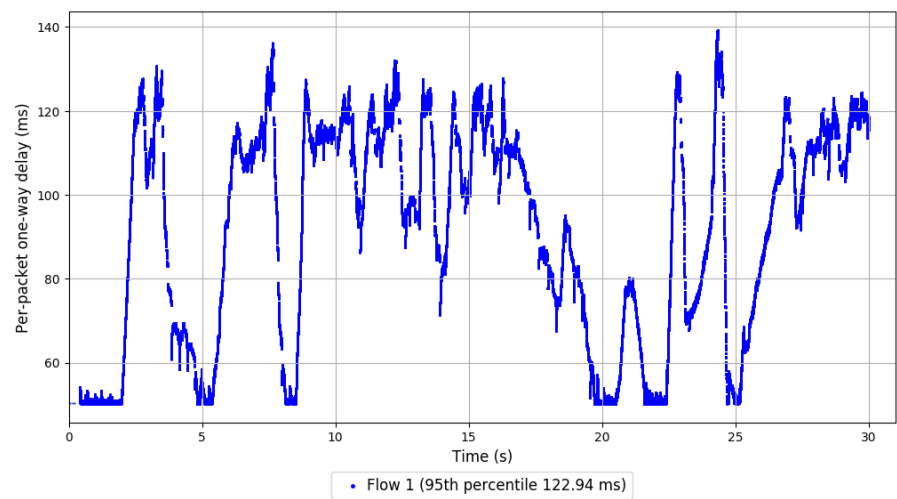
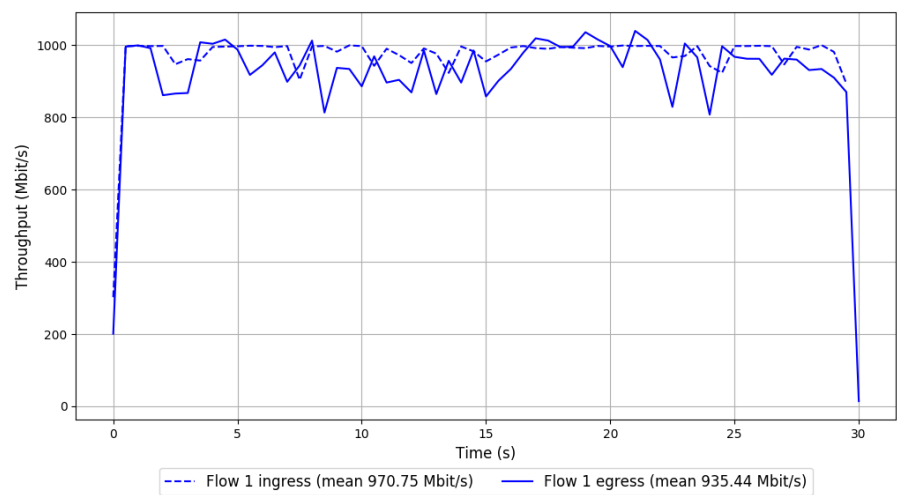
-- Flow 1:

Average throughput: 935.44 Mbit/s

95th percentile per-packet one-way delay: 122.937 ms

Loss rate: 3.64%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-16 10:18:10

End at: 2018-02-16 10:18:40

Below is generated by plot.py at 2018-02-16 13:30:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 949.71 Mbit/s

95th percentile per-packet one-way delay: 119.719 ms

Loss rate: 2.69%

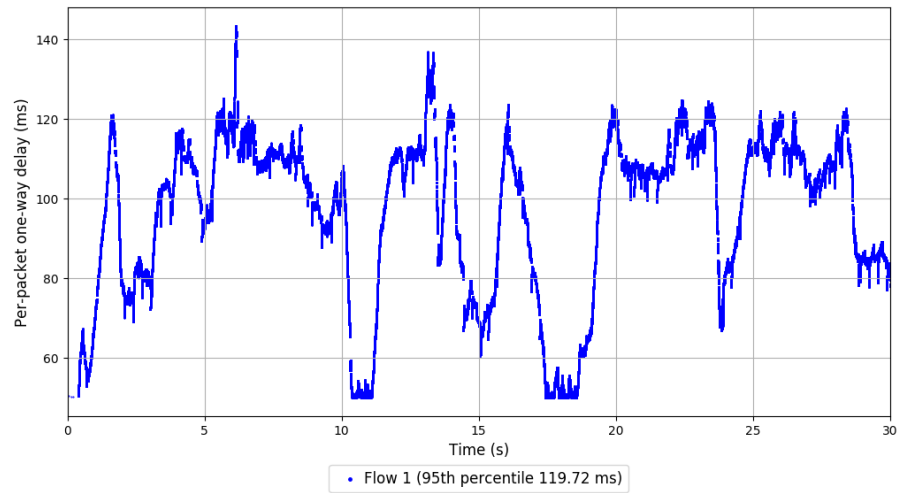
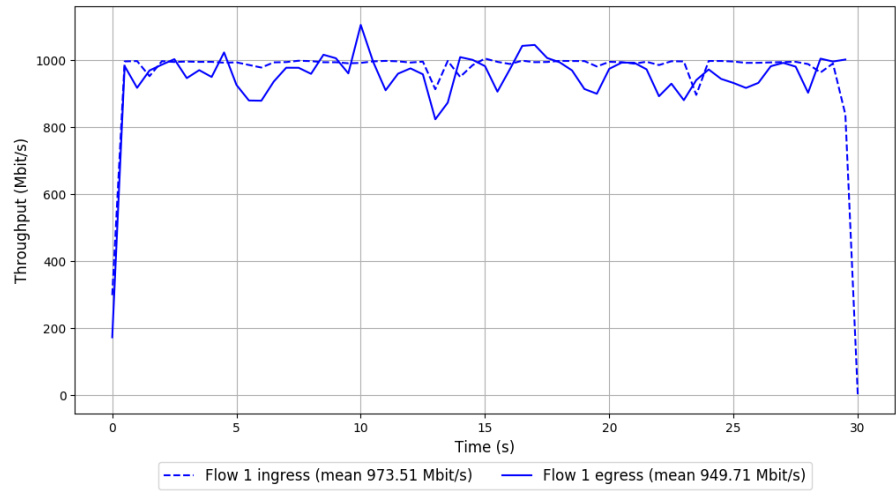
-- Flow 1:

Average throughput: 949.71 Mbit/s

95th percentile per-packet one-way delay: 119.719 ms

Loss rate: 2.69%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-16 10:32:46

End at: 2018-02-16 10:33:16

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 936.57 Mbit/s

95th percentile per-packet one-way delay: 121.377 ms

Loss rate: 3.46%

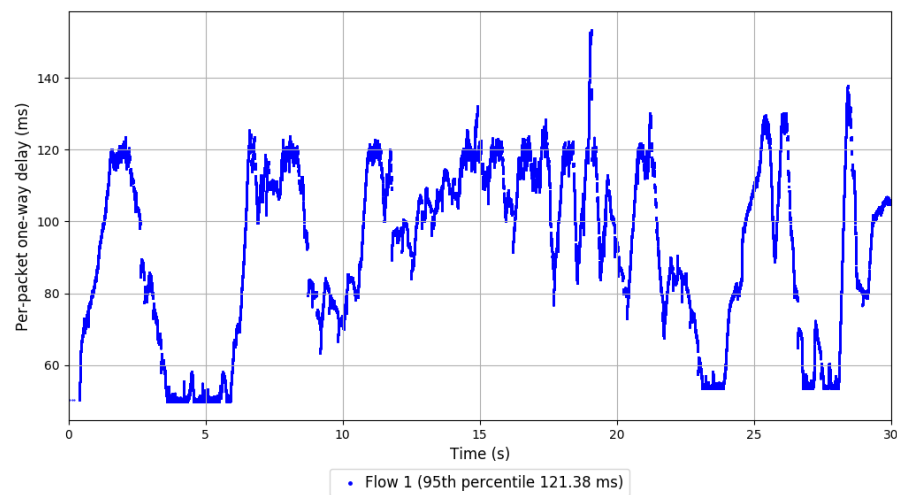
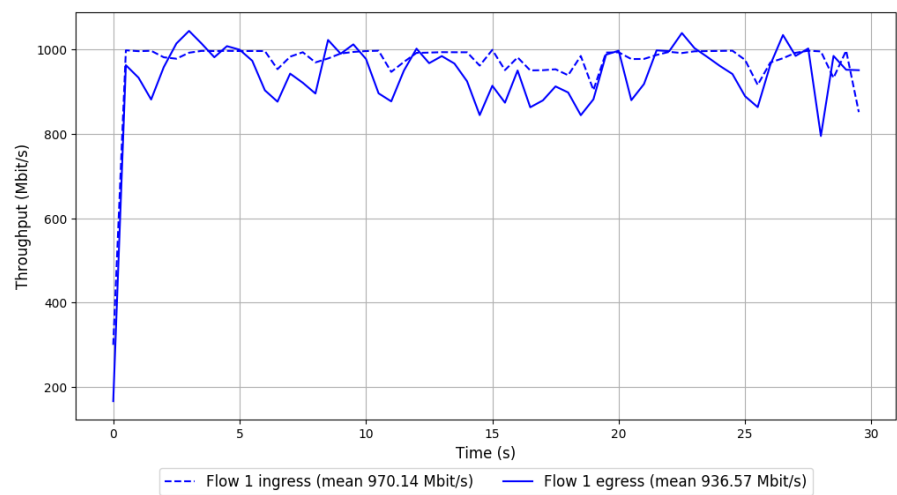
-- Flow 1:

Average throughput: 936.57 Mbit/s

95th percentile per-packet one-way delay: 121.377 ms

Loss rate: 3.46%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-16 10:47:14

End at: 2018-02-16 10:47:44

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 861.46 Mbit/s

95th percentile per-packet one-way delay: 255.244 ms

Loss rate: 7.22%

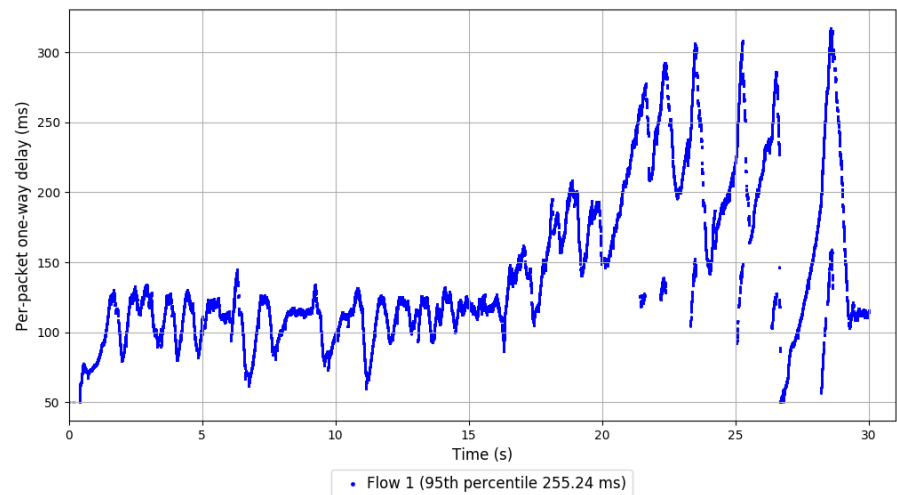
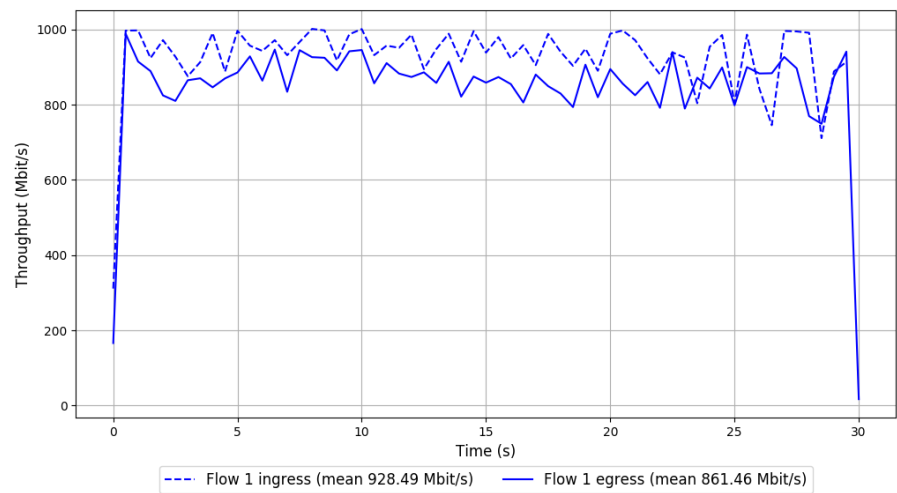
-- Flow 1:

Average throughput: 861.46 Mbit/s

95th percentile per-packet one-way delay: 255.244 ms

Loss rate: 7.22%

Run 10: Report of FillP — Data Link

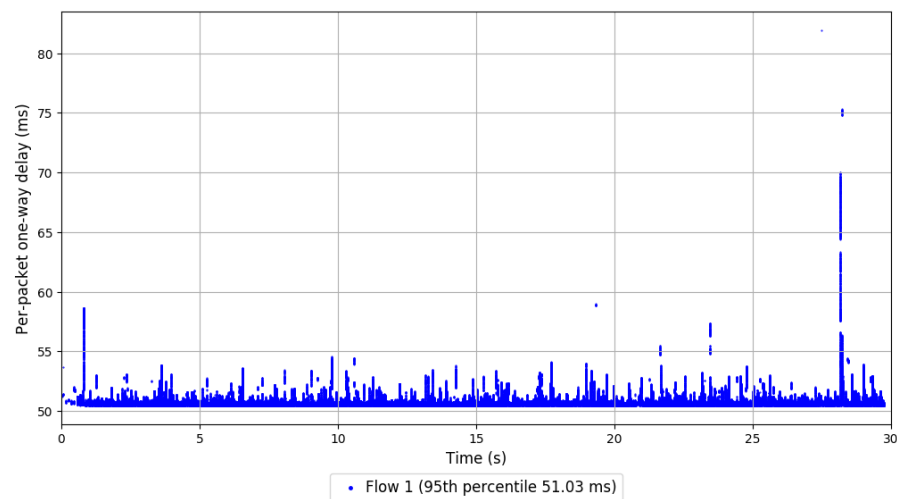
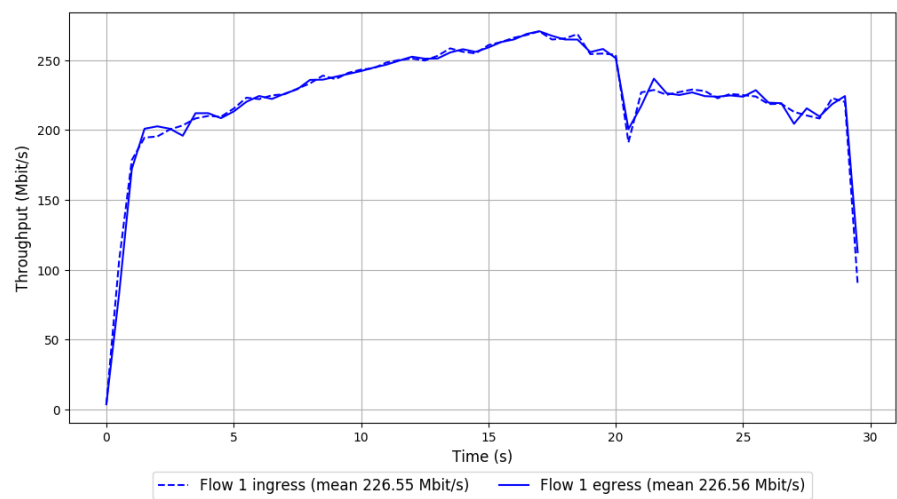


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 08:40:46
End at: 2018-02-16 08:41:16

# Below is generated by plot.py at 2018-02-16 13:42:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.56 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.56 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 0.00%
```

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

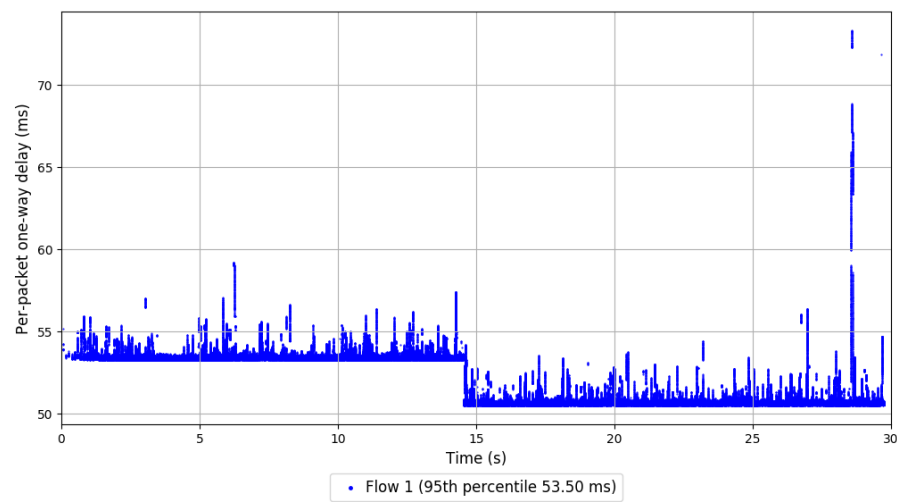
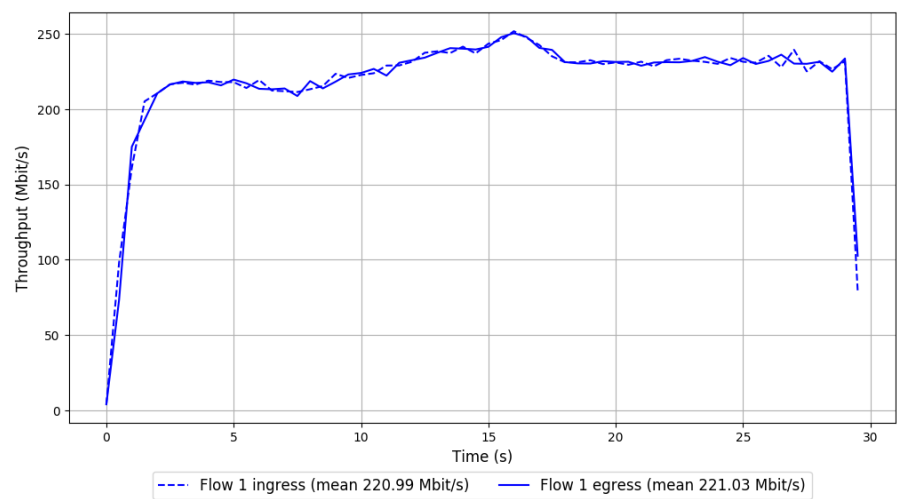


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 08:55:14
End at: 2018-02-16 08:55:44

# Below is generated by plot.py at 2018-02-16 13:42:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.03 Mbit/s
95th percentile per-packet one-way delay: 53.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.03 Mbit/s
95th percentile per-packet one-way delay: 53.499 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 09:09:36

End at: 2018-02-16 09:10:06

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.60 Mbit/s

95th percentile per-packet one-way delay: 53.481 ms

Loss rate: 0.00%

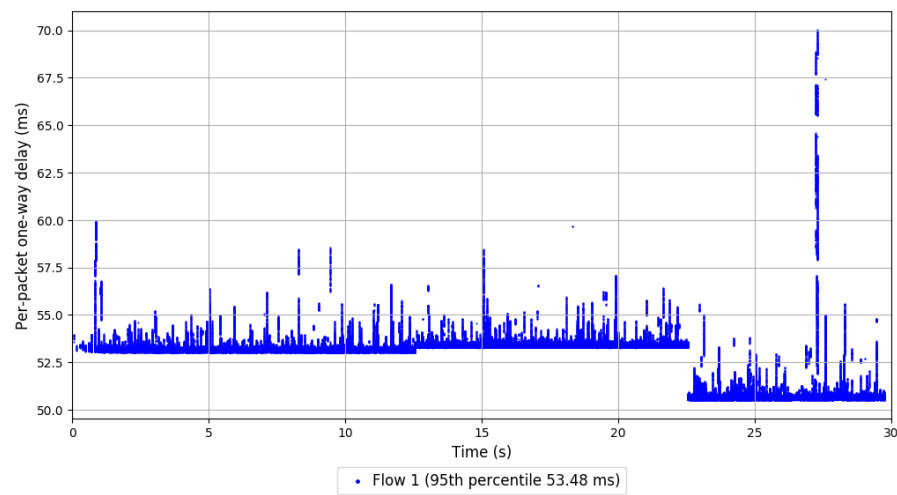
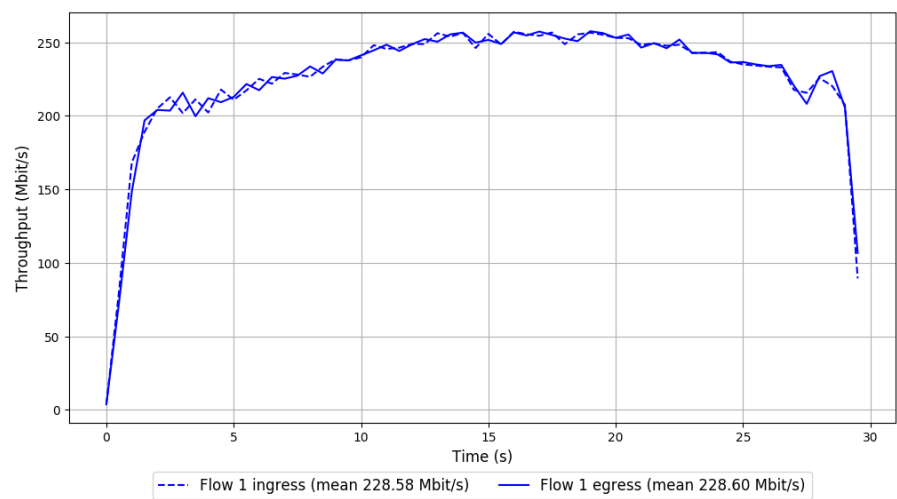
-- Flow 1:

Average throughput: 228.60 Mbit/s

95th percentile per-packet one-way delay: 53.481 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 09:24:06

End at: 2018-02-16 09:24:36

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.60 Mbit/s

95th percentile per-packet one-way delay: 50.787 ms

Loss rate: 0.01%

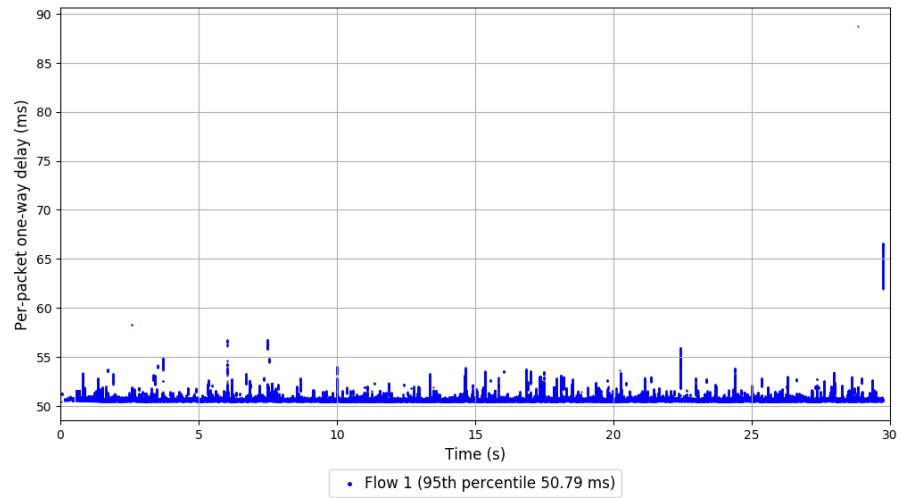
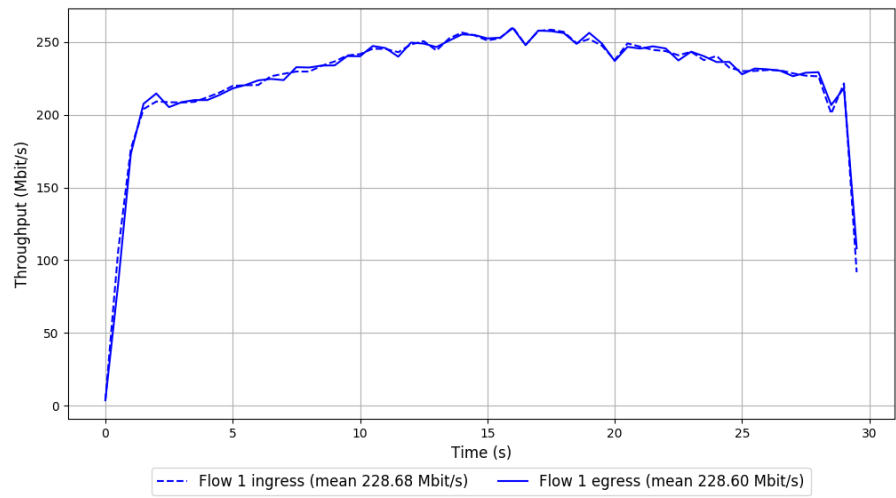
-- Flow 1:

Average throughput: 228.60 Mbit/s

95th percentile per-packet one-way delay: 50.787 ms

Loss rate: 0.01%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 09:38:14

End at: 2018-02-16 09:38:44

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.15 Mbit/s

95th percentile per-packet one-way delay: 53.395 ms

Loss rate: 0.00%

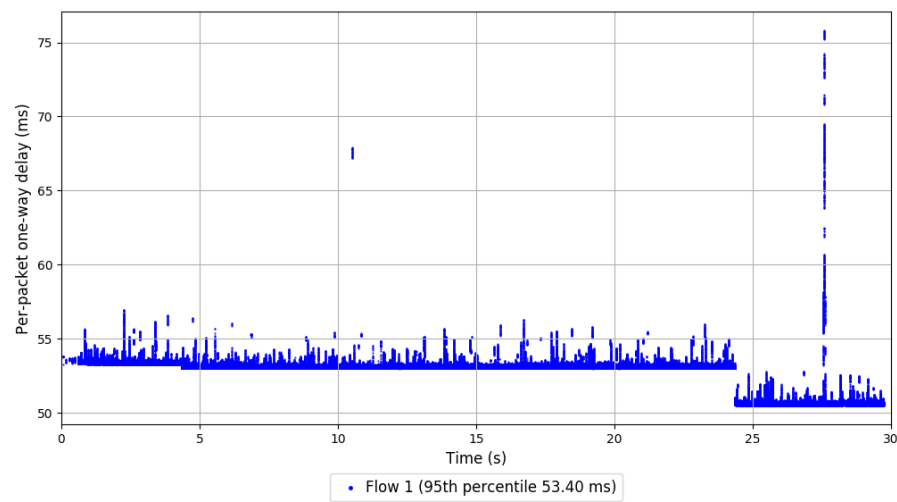
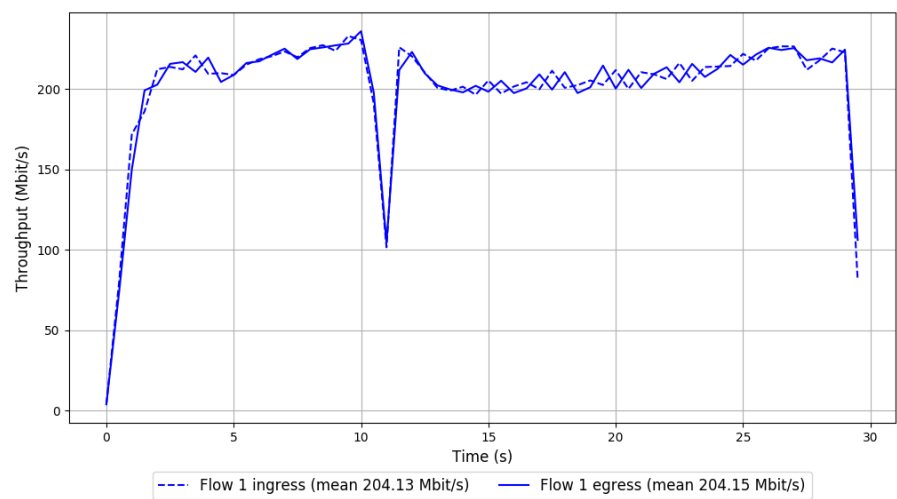
-- Flow 1:

Average throughput: 204.15 Mbit/s

95th percentile per-packet one-way delay: 53.395 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 09:52:59

End at: 2018-02-16 09:53:29

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.94 Mbit/s

95th percentile per-packet one-way delay: 54.006 ms

Loss rate: 0.01%

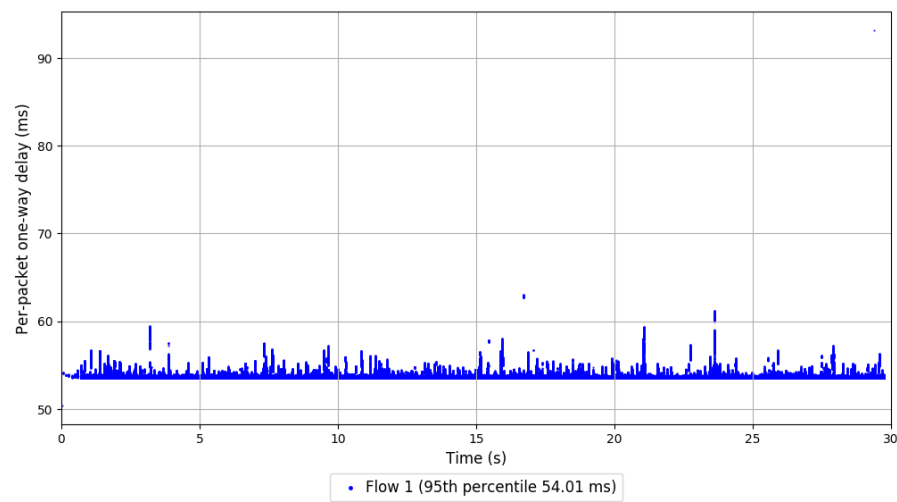
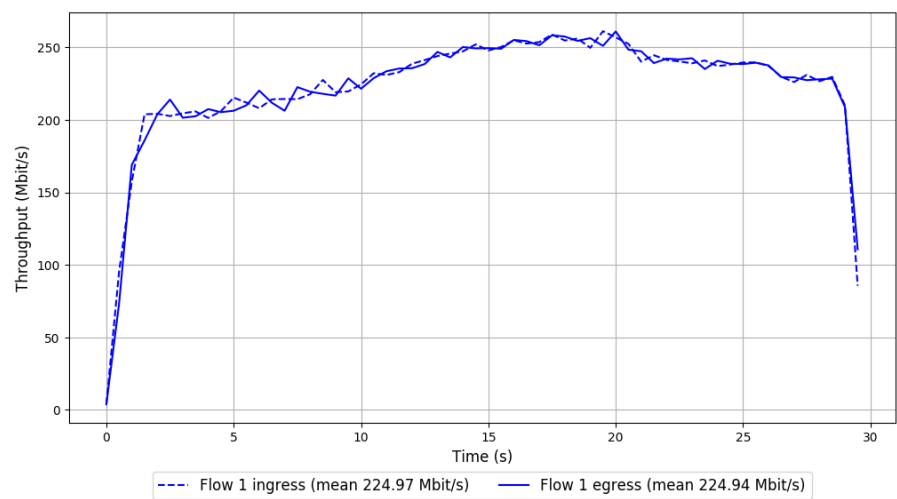
-- Flow 1:

Average throughput: 224.94 Mbit/s

95th percentile per-packet one-way delay: 54.006 ms

Loss rate: 0.01%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 10:07:18

End at: 2018-02-16 10:07:48

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.82 Mbit/s

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

Loss rate: 0.01%

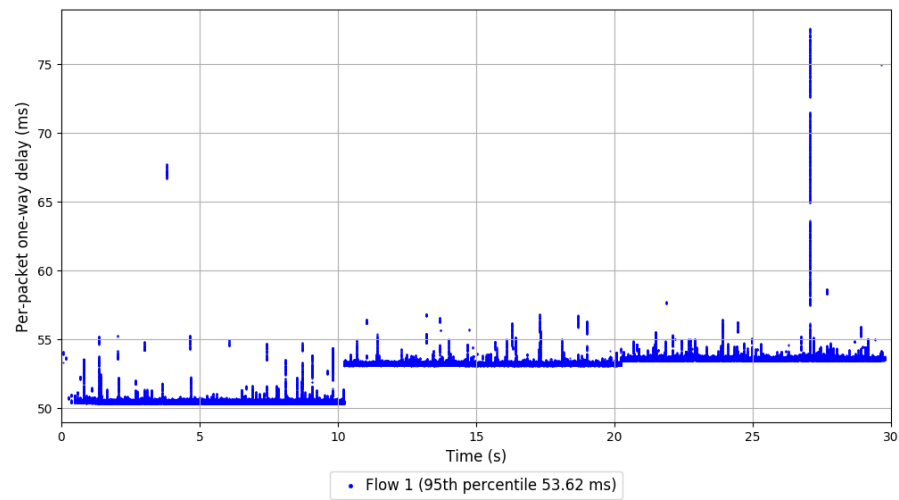
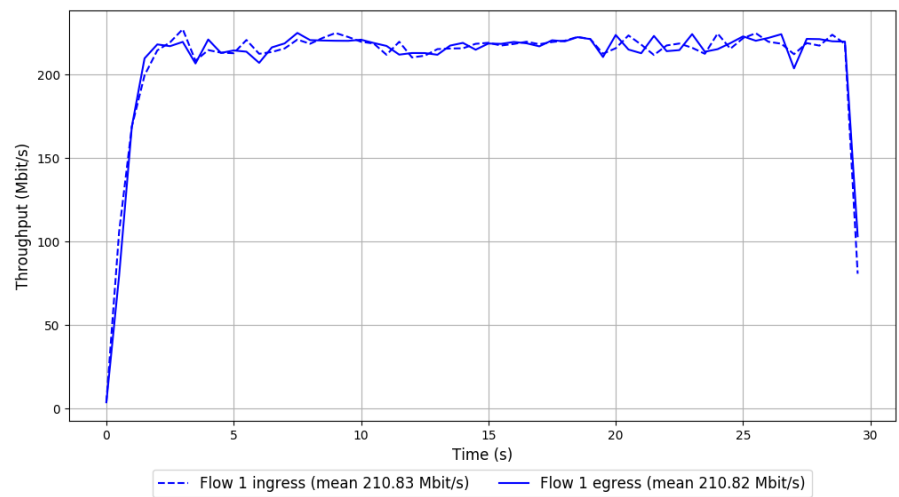
-- Flow 1:

Average throughput: 210.82 Mbit/s

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

Loss rate: 0.01%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 10:21:48

End at: 2018-02-16 10:22:18

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.49 Mbit/s

95th percentile per-packet one-way delay: 53.582 ms

Loss rate: 0.00%

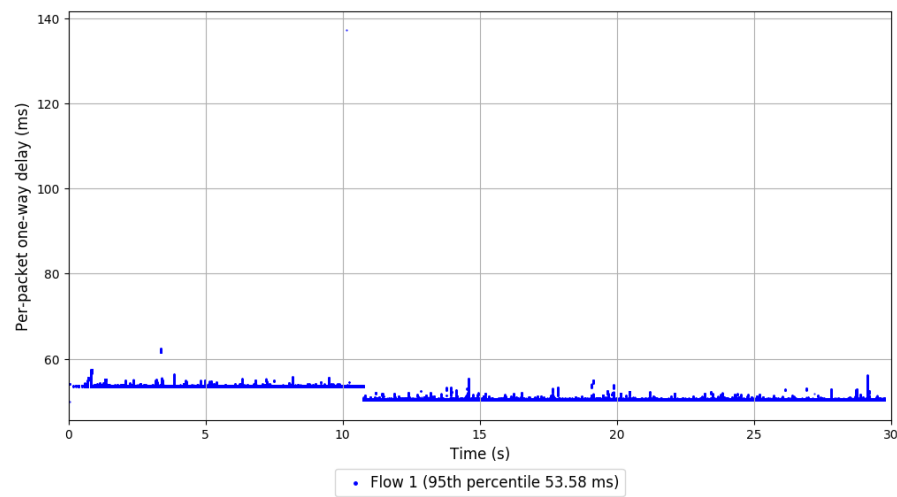
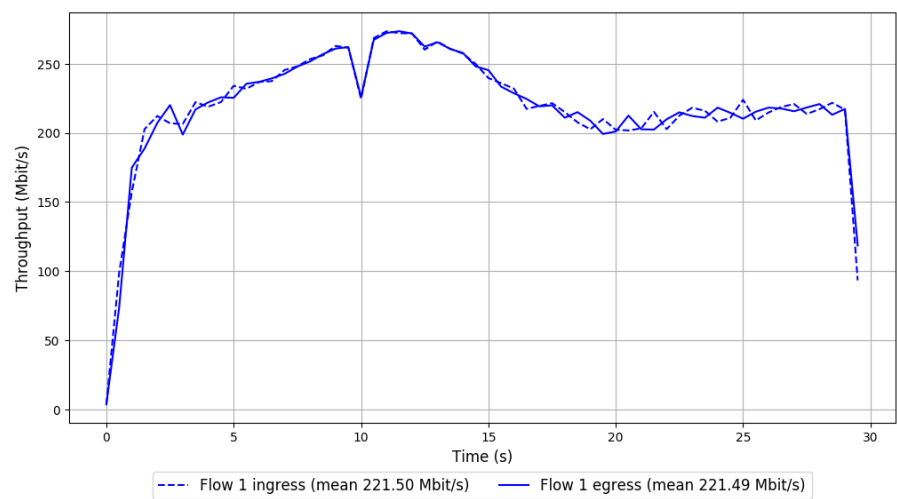
-- Flow 1:

Average throughput: 221.49 Mbit/s

95th percentile per-packet one-way delay: 53.582 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 10:36:23

End at: 2018-02-16 10:36:53

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.94 Mbit/s

95th percentile per-packet one-way delay: 53.637 ms

Loss rate: 0.00%

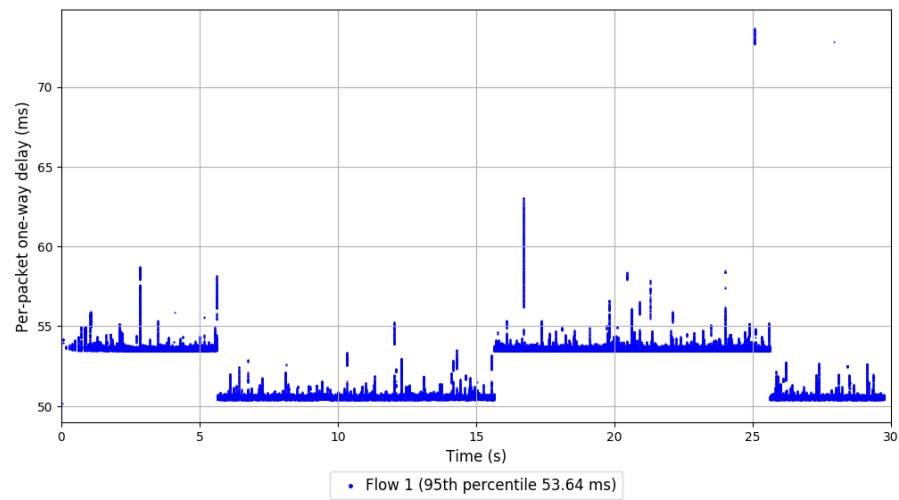
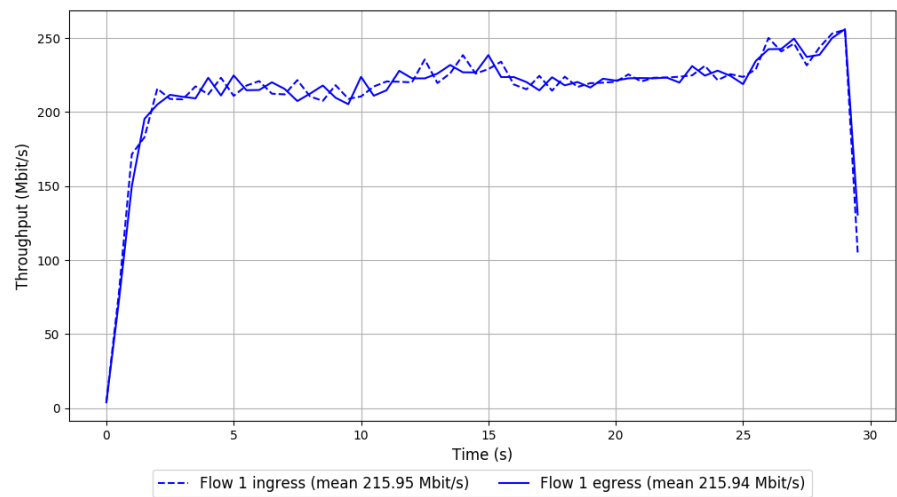
-- Flow 1:

Average throughput: 215.94 Mbit/s

95th percentile per-packet one-way delay: 53.637 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 10:50:44

End at: 2018-02-16 10:51:15

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.11 Mbit/s

95th percentile per-packet one-way delay: 53.597 ms

Loss rate: 0.00%

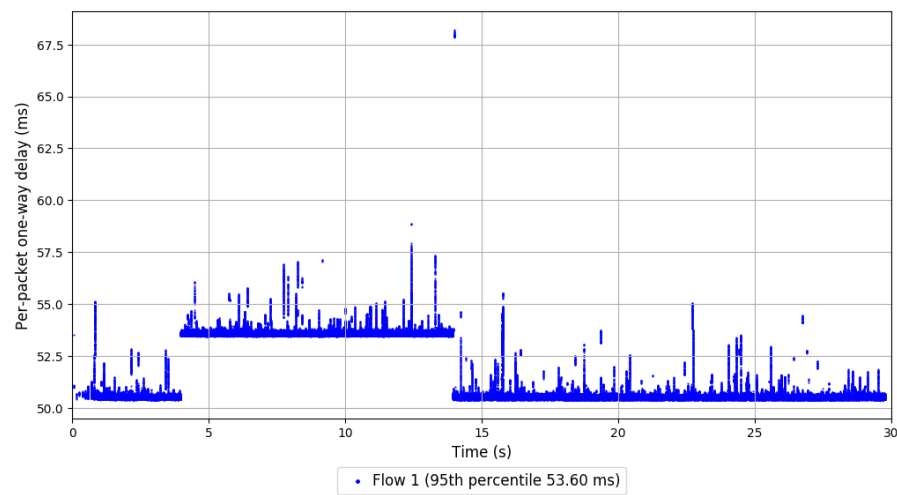
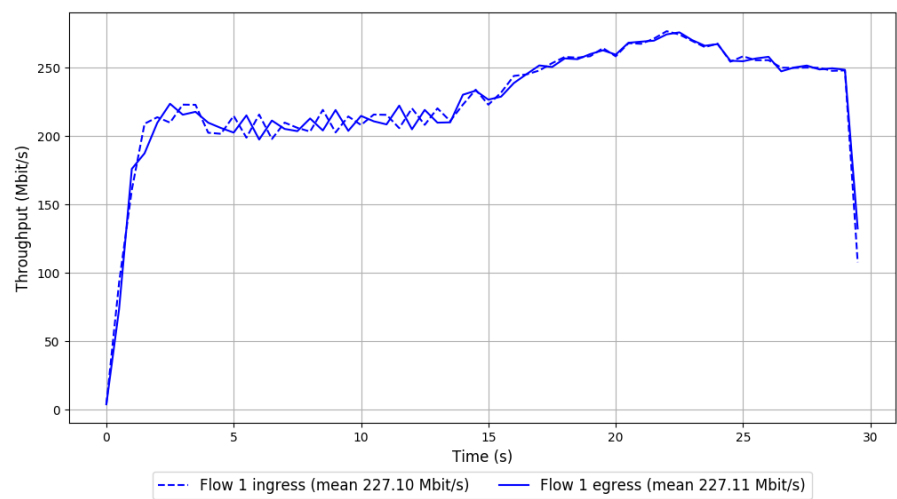
-- Flow 1:

Average throughput: 227.11 Mbit/s

95th percentile per-packet one-way delay: 53.597 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 08:27:46

End at: 2018-02-16 08:28:16

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.80 Mbit/s

95th percentile per-packet one-way delay: 110.021 ms

Loss rate: 0.07%

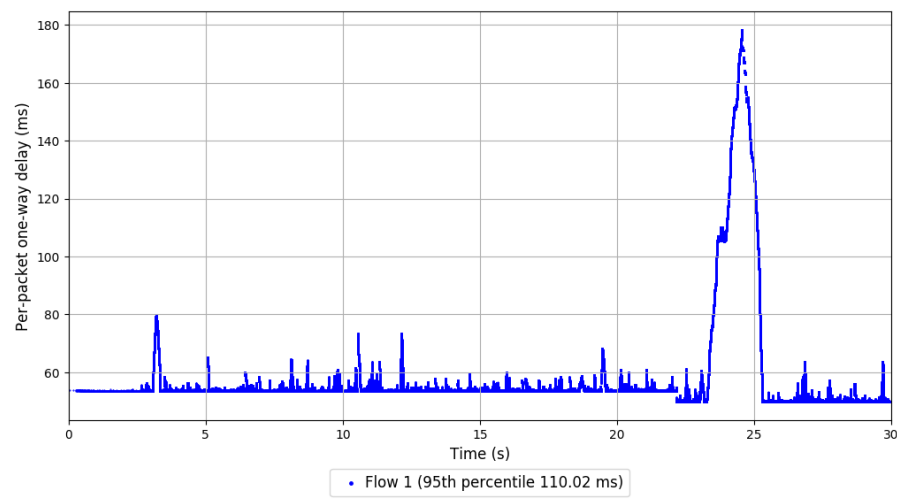
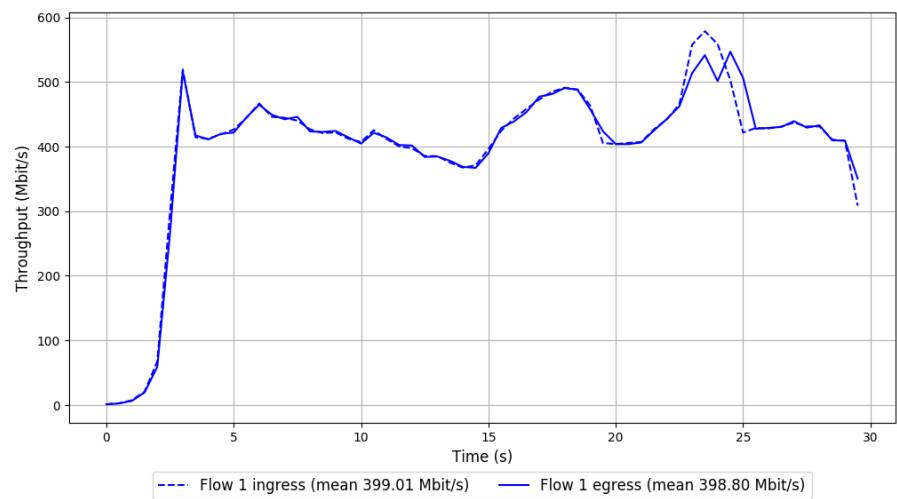
-- Flow 1:

Average throughput: 398.80 Mbit/s

95th percentile per-packet one-way delay: 110.021 ms

Loss rate: 0.07%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 08:42:21

End at: 2018-02-16 08:42:51

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.82 Mbit/s

95th percentile per-packet one-way delay: 61.550 ms

Loss rate: 0.02%

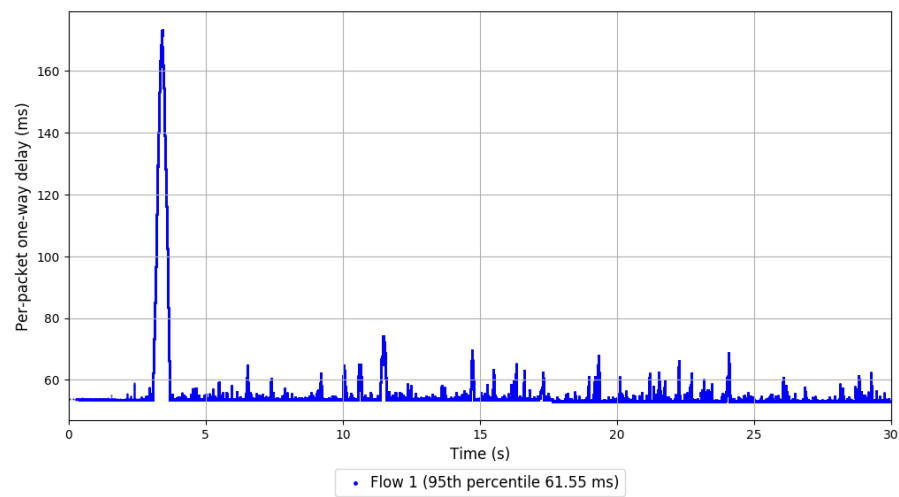
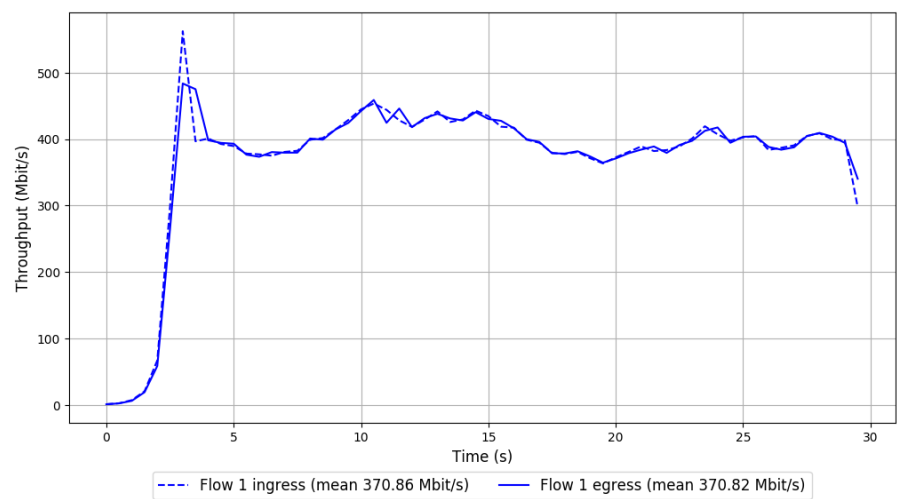
-- Flow 1:

Average throughput: 370.82 Mbit/s

95th percentile per-packet one-way delay: 61.550 ms

Loss rate: 0.02%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 08:56:48

End at: 2018-02-16 08:57:18

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.99 Mbit/s

95th percentile per-packet one-way delay: 59.309 ms

Loss rate: 0.00%

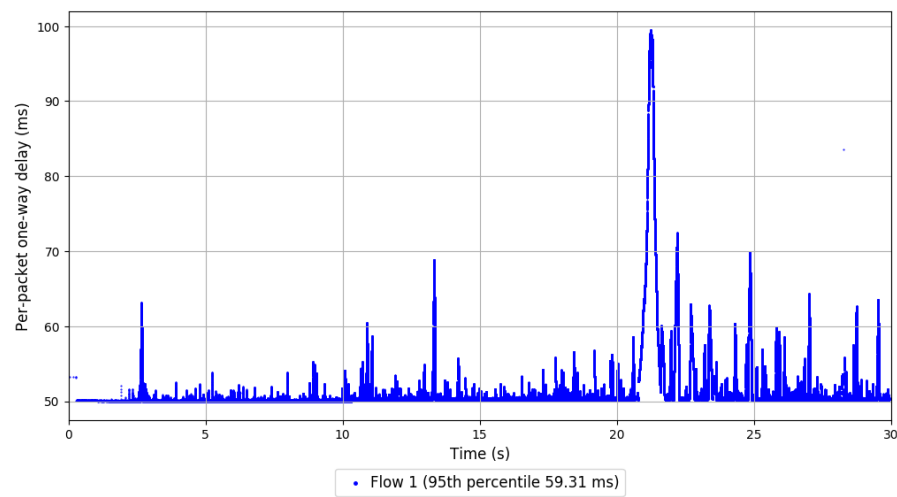
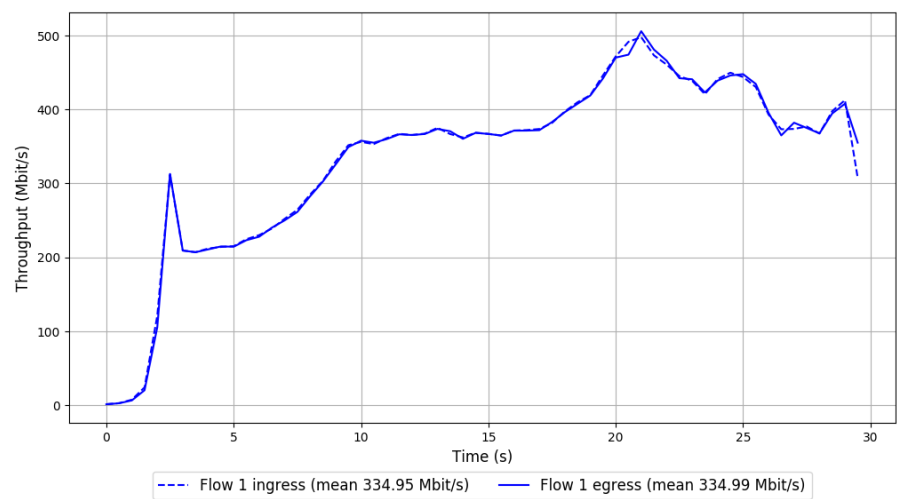
-- Flow 1:

Average throughput: 334.99 Mbit/s

95th percentile per-packet one-way delay: 59.309 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 09:11:14

End at: 2018-02-16 09:11:44

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.36 Mbit/s

95th percentile per-packet one-way delay: 60.192 ms

Loss rate: 0.00%

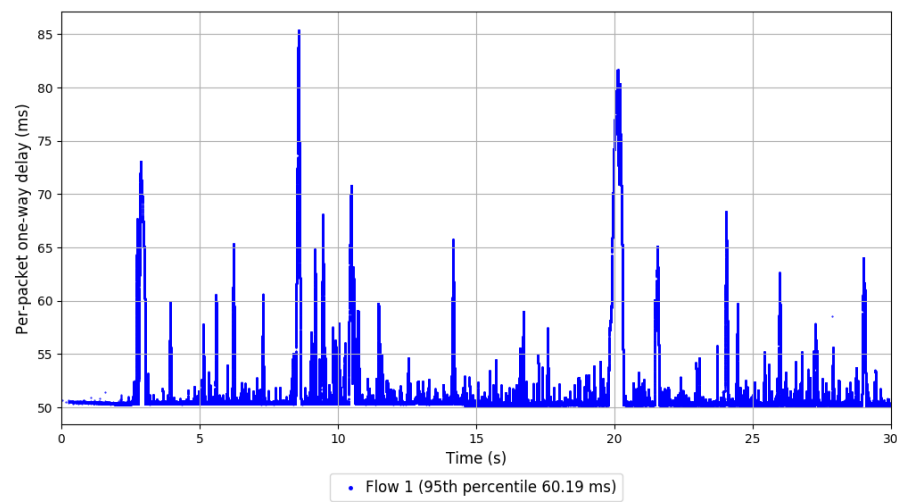
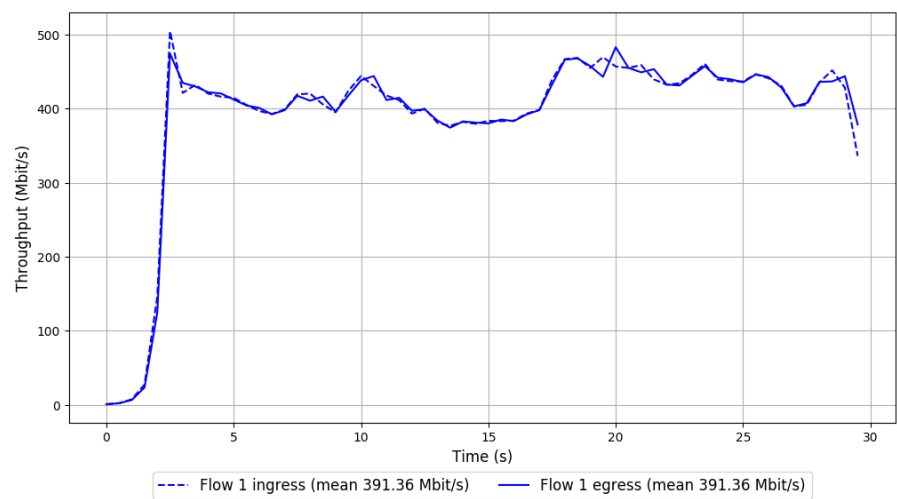
-- Flow 1:

Average throughput: 391.36 Mbit/s

95th percentile per-packet one-way delay: 60.192 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 09:25:40

End at: 2018-02-16 09:26:10

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.72 Mbit/s

95th percentile per-packet one-way delay: 55.520 ms

Loss rate: 0.01%

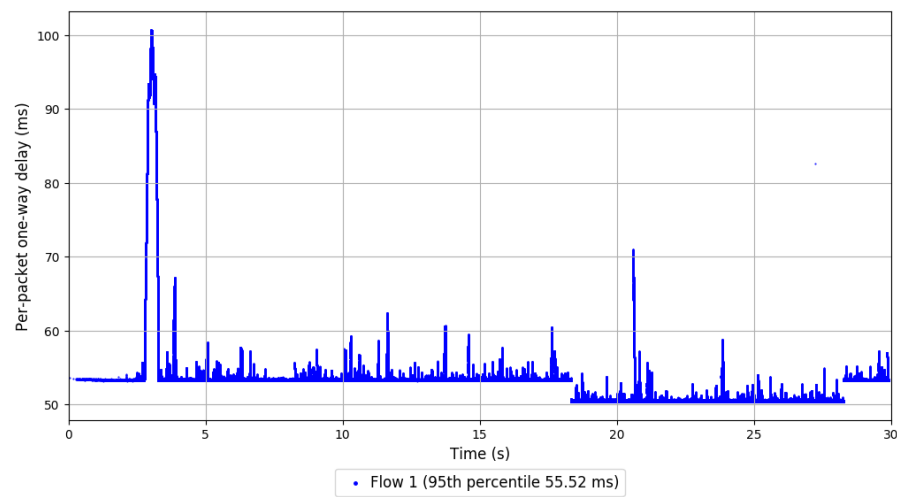
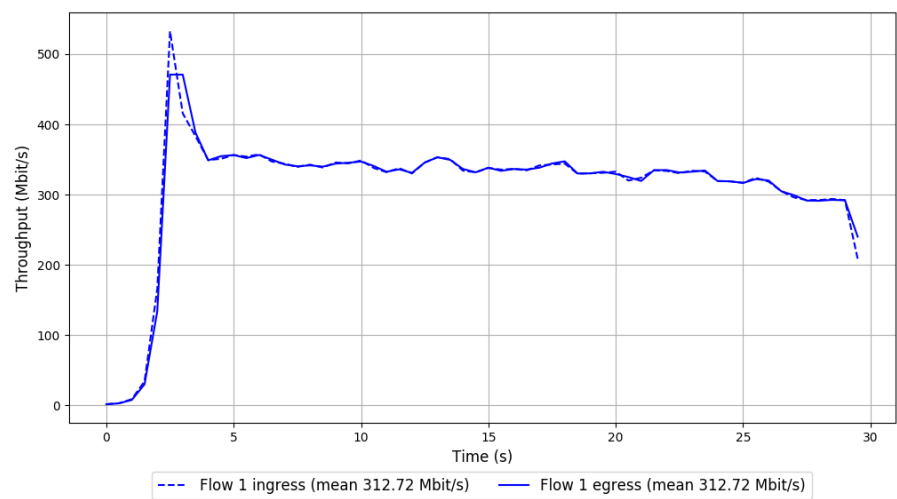
-- Flow 1:

Average throughput: 312.72 Mbit/s

95th percentile per-packet one-way delay: 55.520 ms

Loss rate: 0.01%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 09:39:49

End at: 2018-02-16 09:40:19

Below is generated by plot.py at 2018-02-16 13:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.51 Mbit/s

95th percentile per-packet one-way delay: 56.351 ms

Loss rate: 0.01%

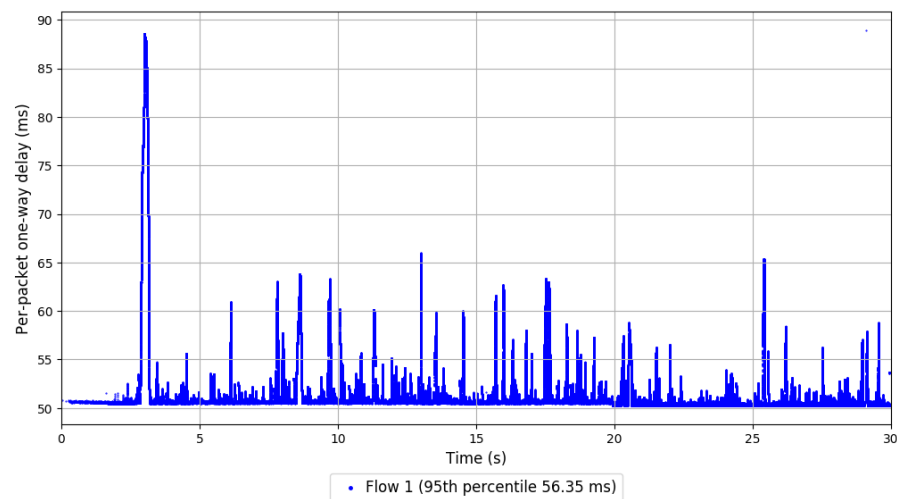
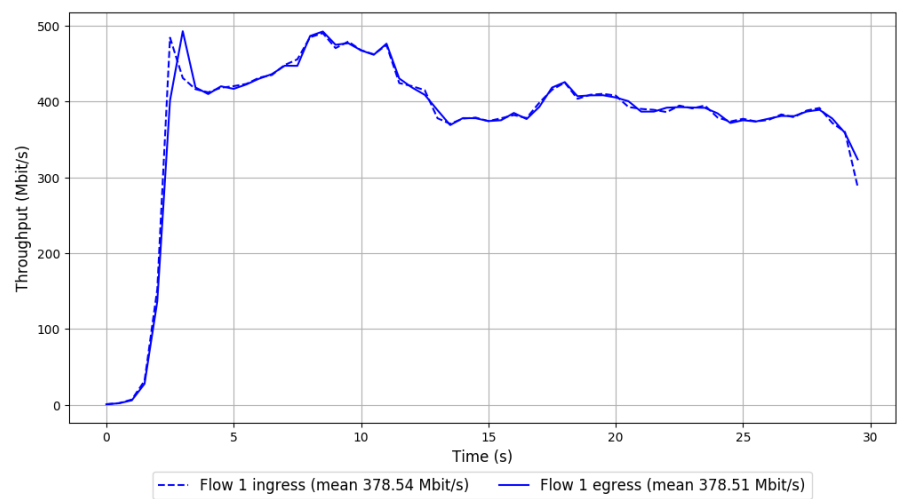
-- Flow 1:

Average throughput: 378.51 Mbit/s

95th percentile per-packet one-way delay: 56.351 ms

Loss rate: 0.01%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 09:54:36

End at: 2018-02-16 09:55:06

Below is generated by plot.py at 2018-02-16 13:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.85 Mbit/s

95th percentile per-packet one-way delay: 57.400 ms

Loss rate: 0.01%

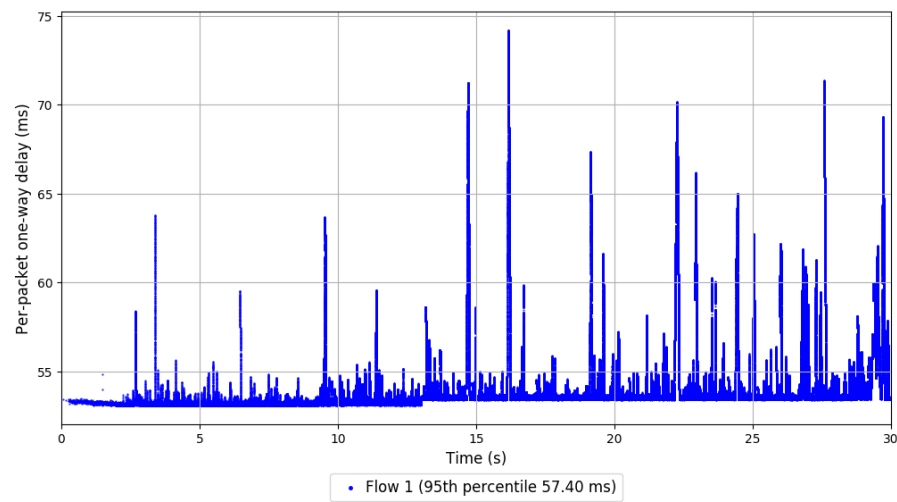
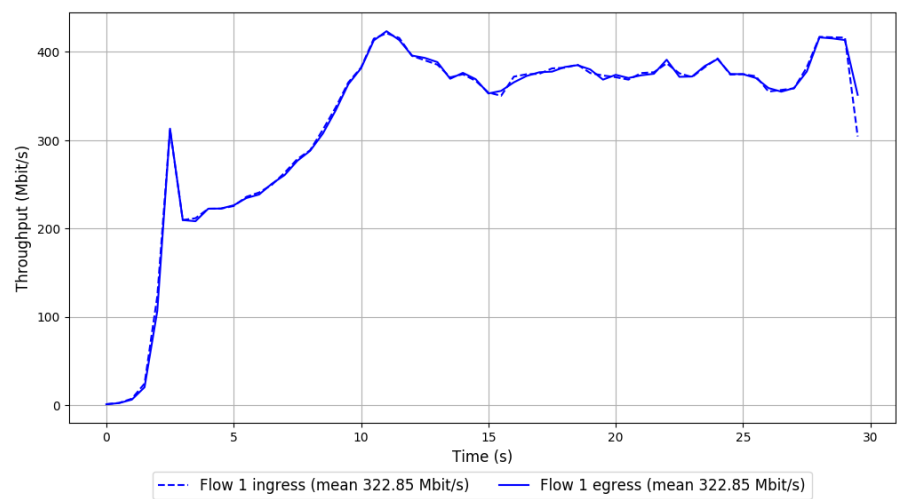
-- Flow 1:

Average throughput: 322.85 Mbit/s

95th percentile per-packet one-way delay: 57.400 ms

Loss rate: 0.01%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 10:08:53

End at: 2018-02-16 10:09:23

Below is generated by plot.py at 2018-02-16 13:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.34 Mbit/s

95th percentile per-packet one-way delay: 55.149 ms

Loss rate: 0.00%

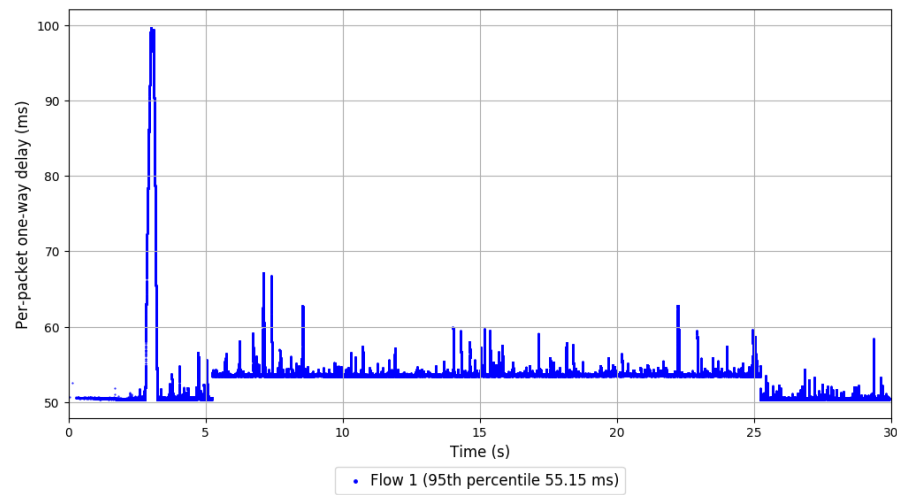
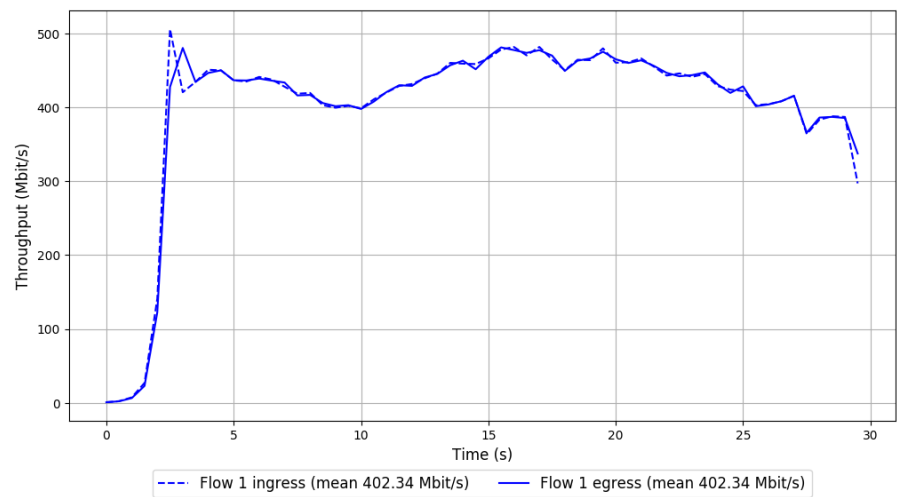
-- Flow 1:

Average throughput: 402.34 Mbit/s

95th percentile per-packet one-way delay: 55.149 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 10:23:23

End at: 2018-02-16 10:23:53

Below is generated by plot.py at 2018-02-16 13:46:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.61 Mbit/s

95th percentile per-packet one-way delay: 74.820 ms

Loss rate: 0.01%

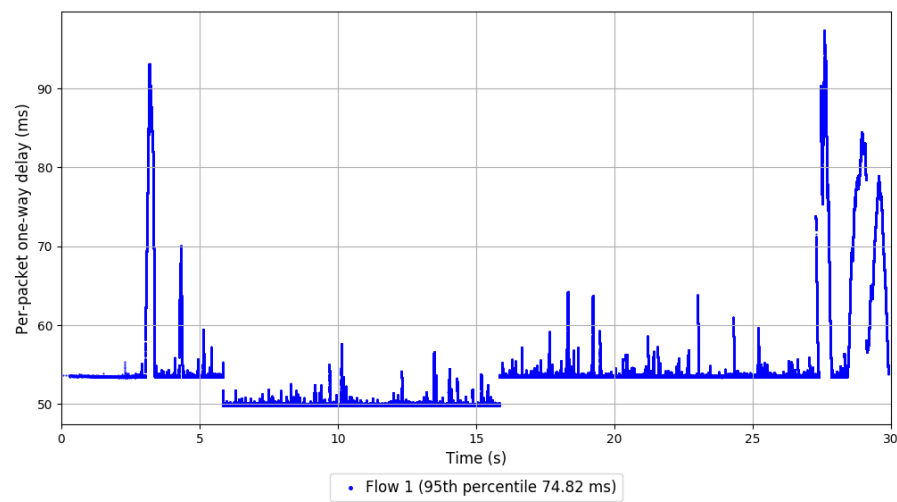
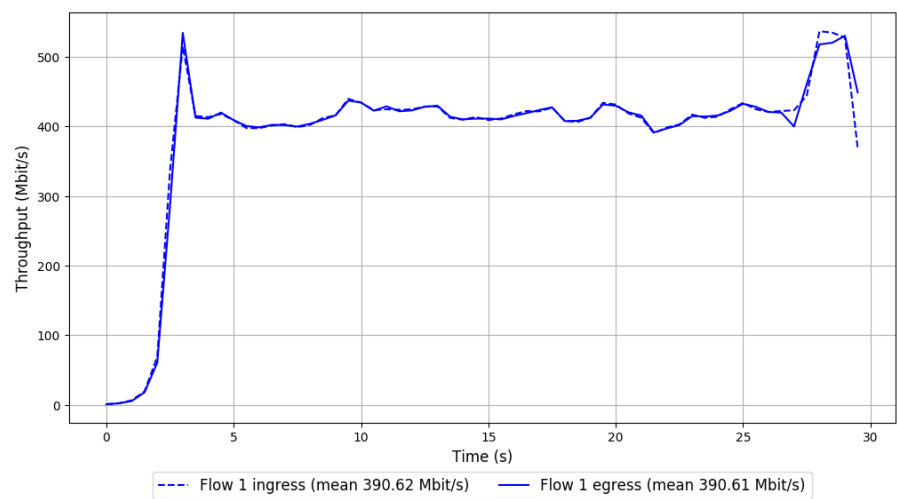
-- Flow 1:

Average throughput: 390.61 Mbit/s

95th percentile per-packet one-way delay: 74.820 ms

Loss rate: 0.01%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 10:37:58

End at: 2018-02-16 10:38:28

Below is generated by plot.py at 2018-02-16 13:46:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.03 Mbit/s

95th percentile per-packet one-way delay: 73.895 ms

Loss rate: 0.01%

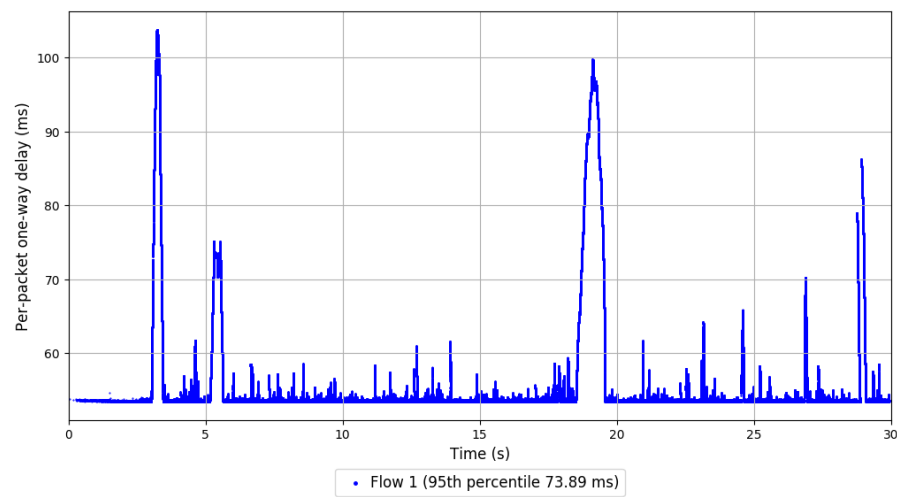
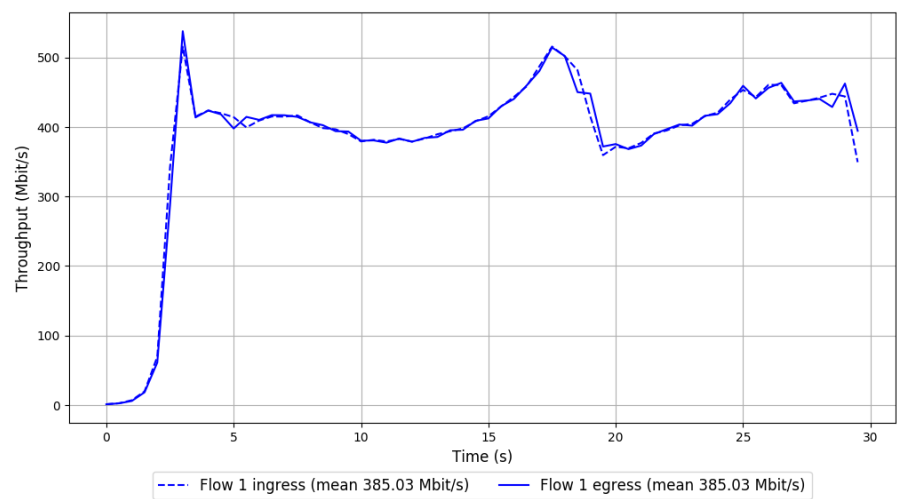
-- Flow 1:

Average throughput: 385.03 Mbit/s

95th percentile per-packet one-way delay: 73.895 ms

Loss rate: 0.01%

Run 10: Report of Vivace-latency — Data Link

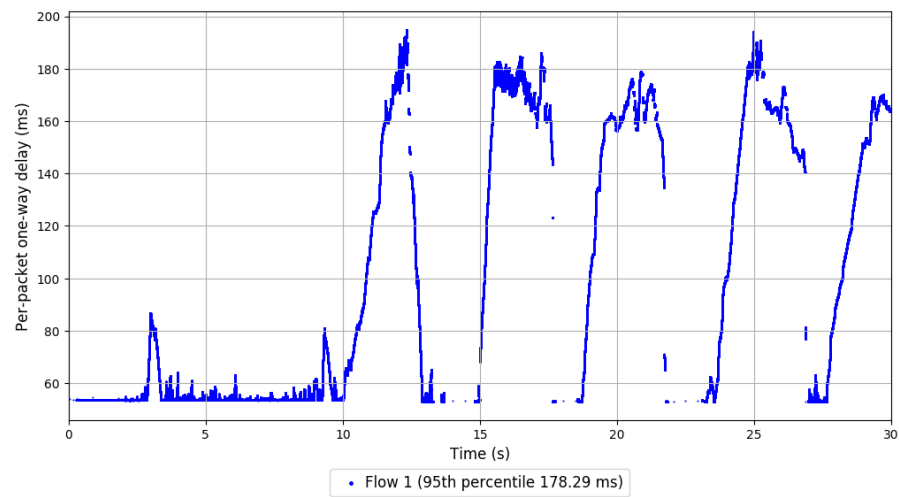
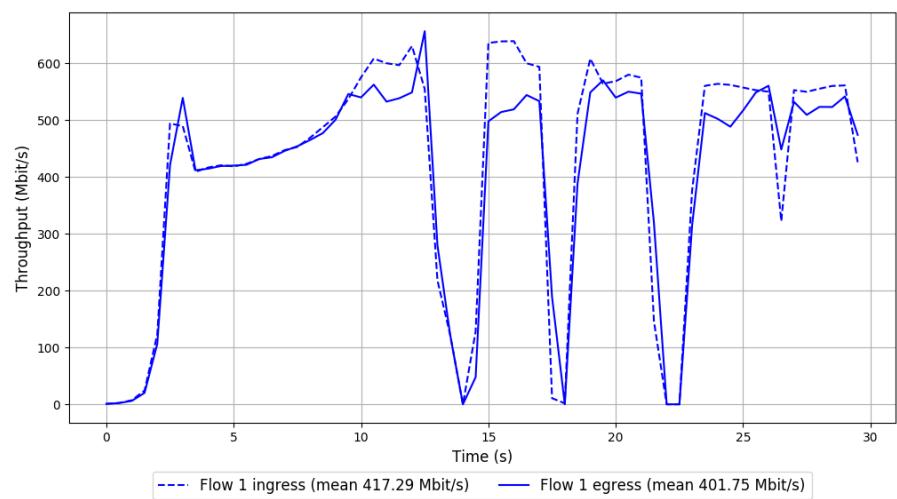


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 08:32:18
End at: 2018-02-16 08:32:48

# Below is generated by plot.py at 2018-02-16 13:48:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 401.75 Mbit/s
95th percentile per-packet one-way delay: 178.291 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 401.75 Mbit/s
95th percentile per-packet one-way delay: 178.291 ms
Loss rate: 3.73%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 08:46:49

End at: 2018-02-16 08:47:19

Below is generated by plot.py at 2018-02-16 13:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.65 Mbit/s

95th percentile per-packet one-way delay: 200.571 ms

Loss rate: 7.75%

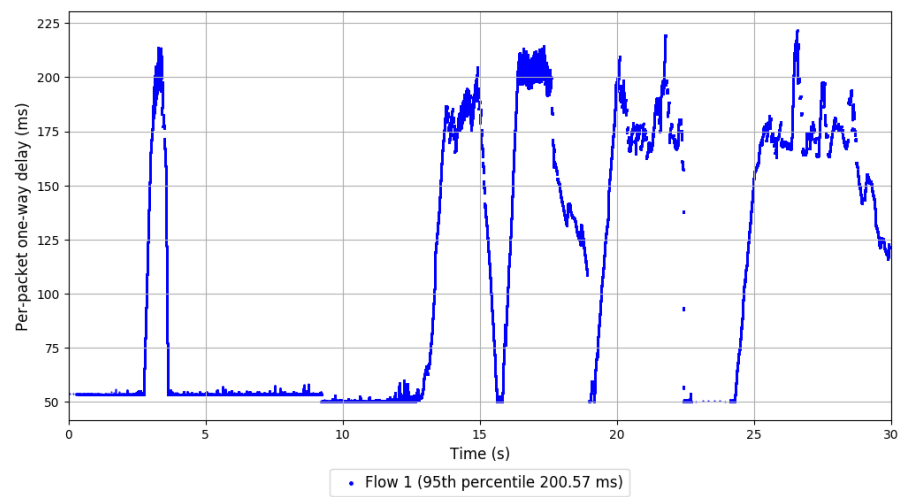
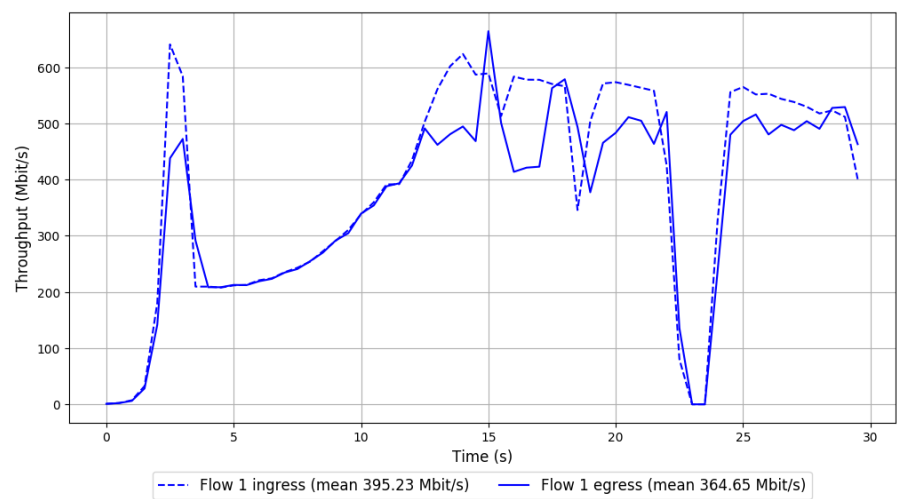
-- Flow 1:

Average throughput: 364.65 Mbit/s

95th percentile per-packet one-way delay: 200.571 ms

Loss rate: 7.75%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 09:01:13

End at: 2018-02-16 09:01:43

Below is generated by plot.py at 2018-02-16 13:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 433.71 Mbit/s

95th percentile per-packet one-way delay: 182.105 ms

Loss rate: 2.25%

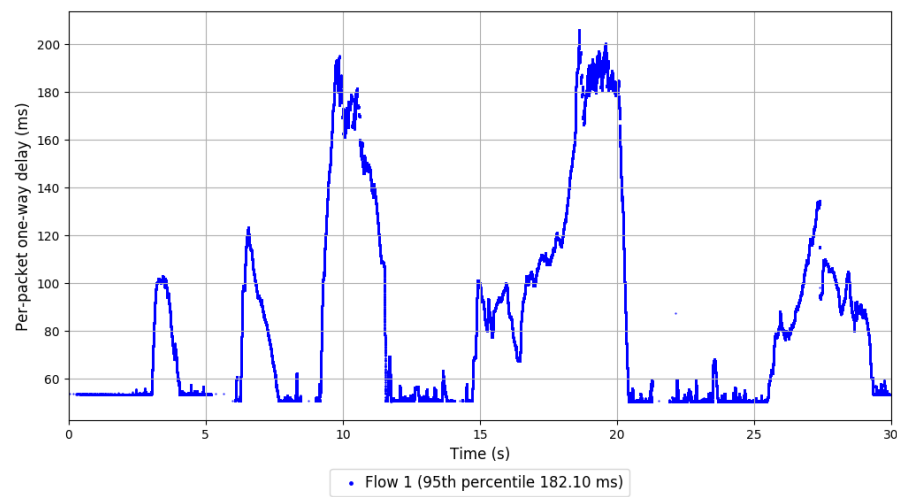
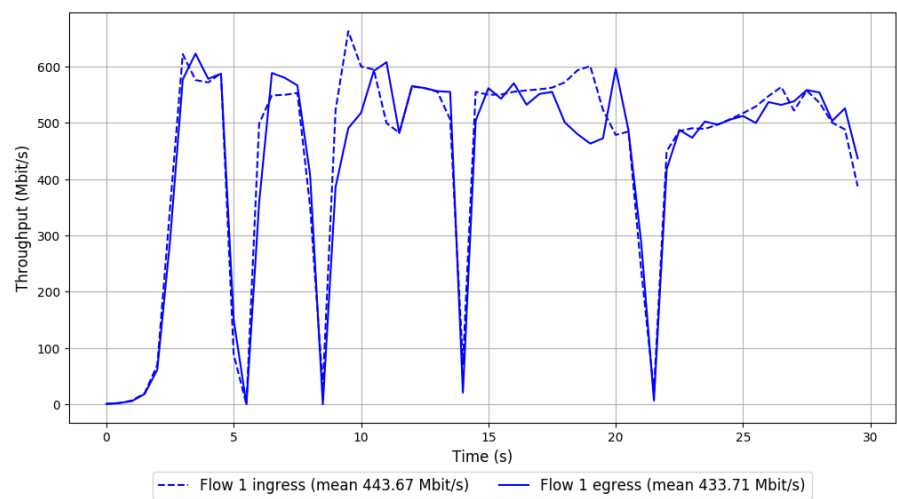
-- Flow 1:

Average throughput: 433.71 Mbit/s

95th percentile per-packet one-way delay: 182.105 ms

Loss rate: 2.25%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 09:15:36

End at: 2018-02-16 09:16:06

Below is generated by plot.py at 2018-02-16 13:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.57 Mbit/s

95th percentile per-packet one-way delay: 180.451 ms

Loss rate: 1.71%

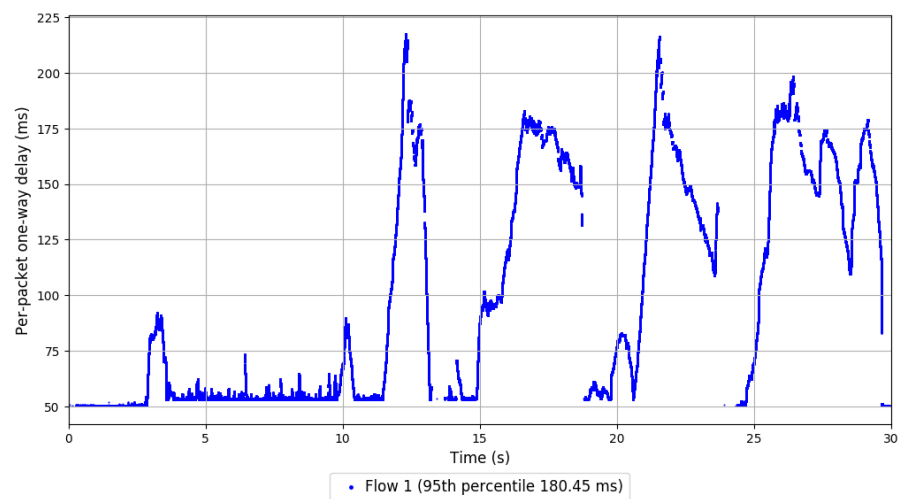
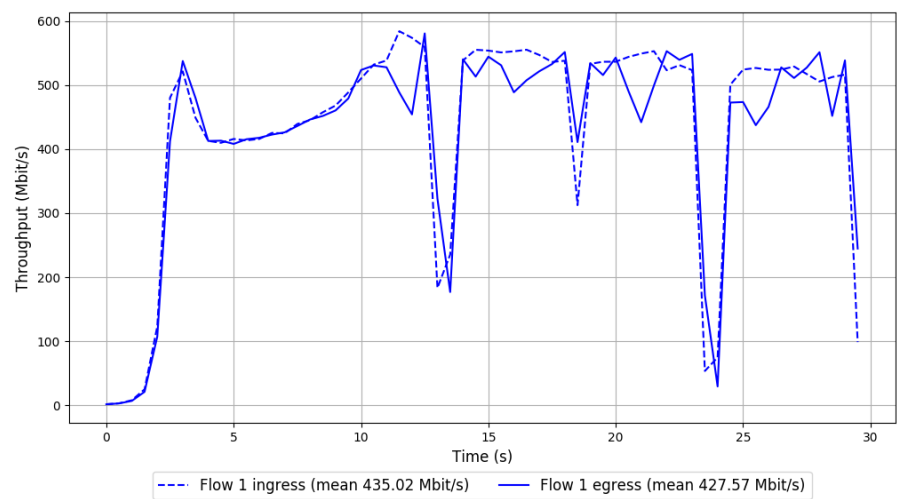
-- Flow 1:

Average throughput: 427.57 Mbit/s

95th percentile per-packet one-way delay: 180.451 ms

Loss rate: 1.71%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 09:29:55

End at: 2018-02-16 09:30:25

Below is generated by plot.py at 2018-02-16 13:50:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.49 Mbit/s

95th percentile per-packet one-way delay: 178.743 ms

Loss rate: 2.99%

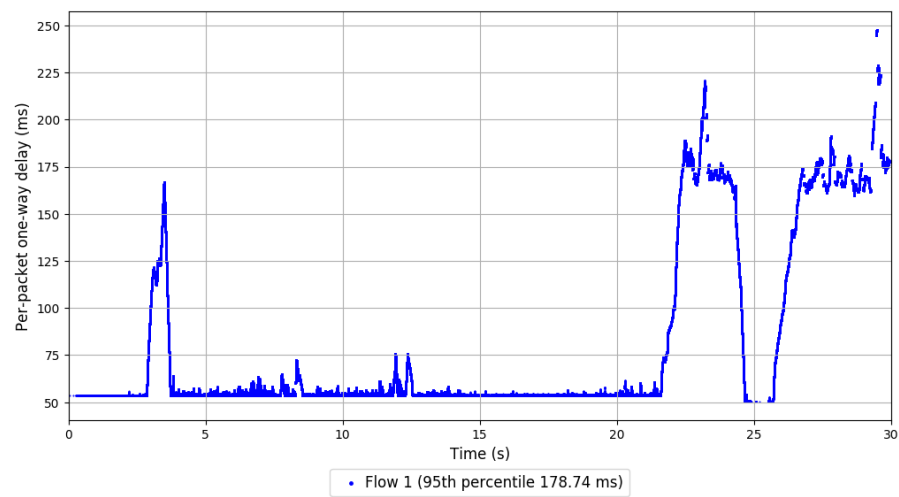
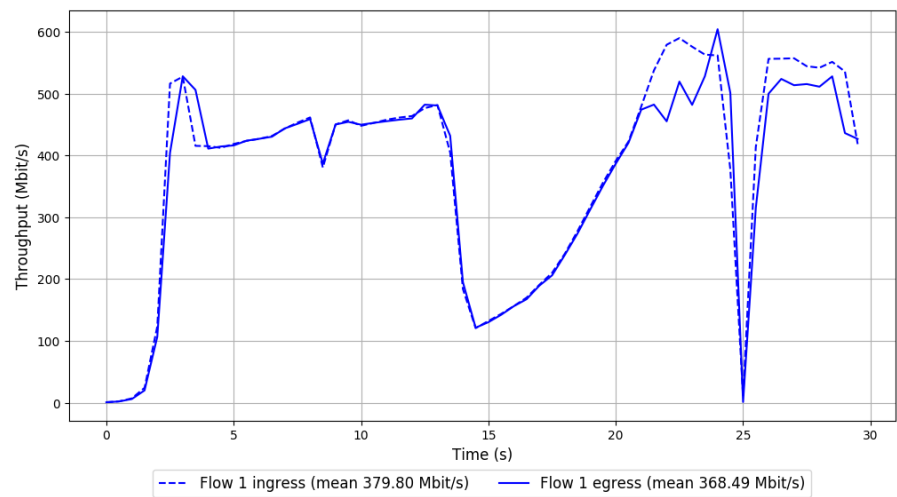
-- Flow 1:

Average throughput: 368.49 Mbit/s

95th percentile per-packet one-way delay: 178.743 ms

Loss rate: 2.99%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 09:44:28

End at: 2018-02-16 09:44:58

Below is generated by plot.py at 2018-02-16 13:54:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 433.71 Mbit/s

95th percentile per-packet one-way delay: 173.875 ms

Loss rate: 2.22%

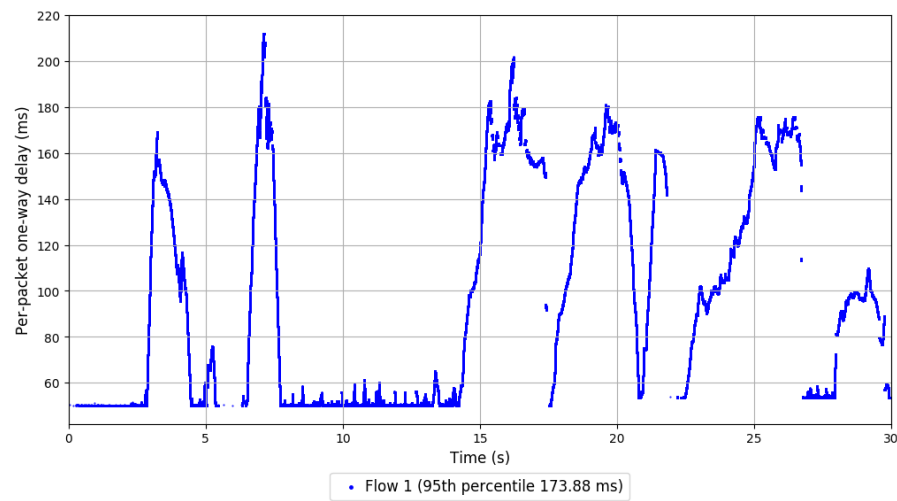
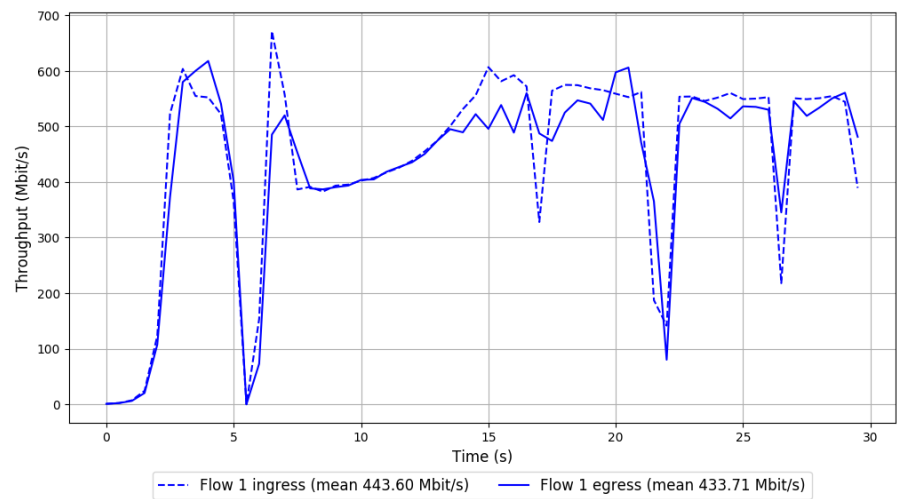
-- Flow 1:

Average throughput: 433.71 Mbit/s

95th percentile per-packet one-way delay: 173.875 ms

Loss rate: 2.22%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 09:58:54

End at: 2018-02-16 09:59:24

Below is generated by plot.py at 2018-02-16 13:54:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.37 Mbit/s

95th percentile per-packet one-way delay: 172.693 ms

Loss rate: 2.00%

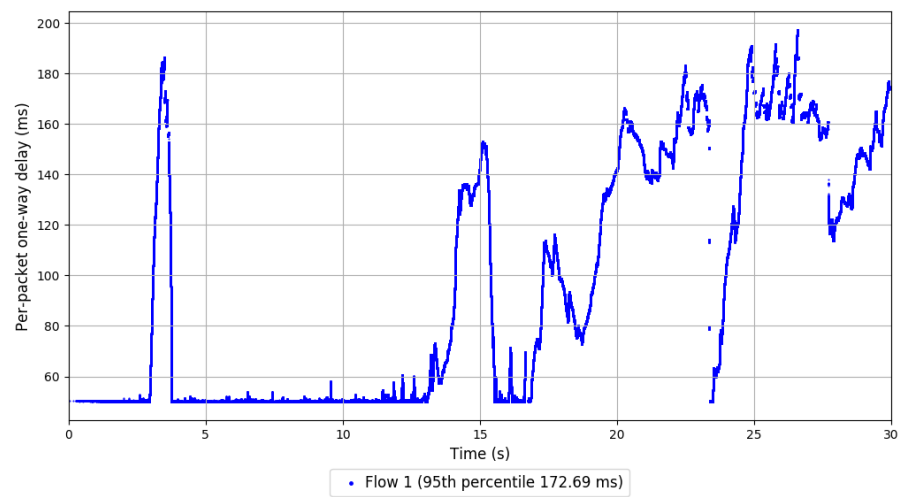
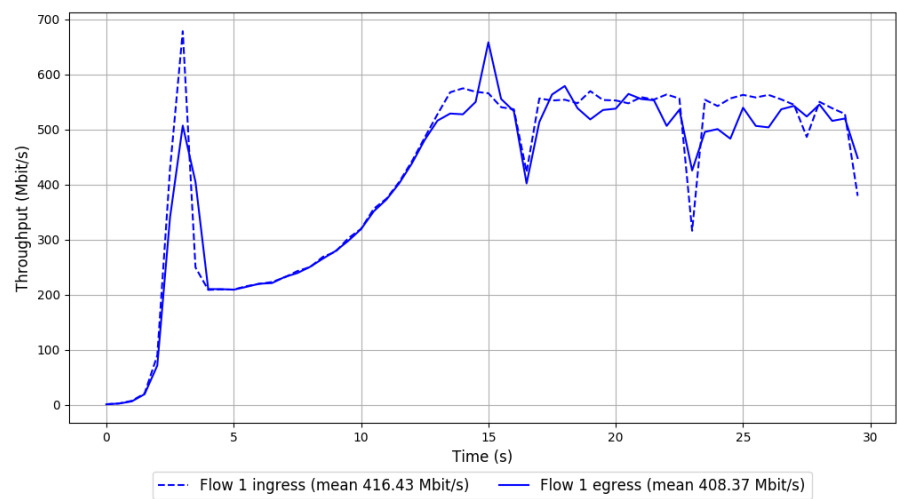
-- Flow 1:

Average throughput: 408.37 Mbit/s

95th percentile per-packet one-way delay: 172.693 ms

Loss rate: 2.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 10:13:14

End at: 2018-02-16 10:13:44

Below is generated by plot.py at 2018-02-16 13:54:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.68 Mbit/s

95th percentile per-packet one-way delay: 184.487 ms

Loss rate: 5.04%

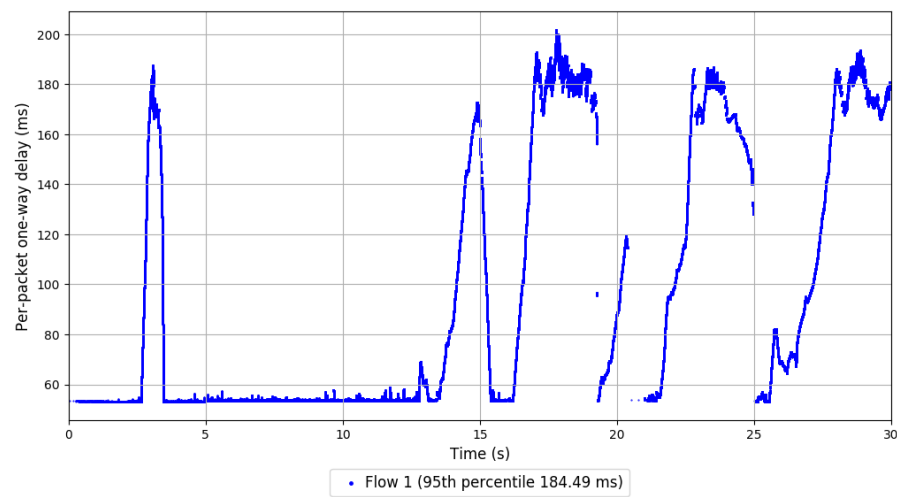
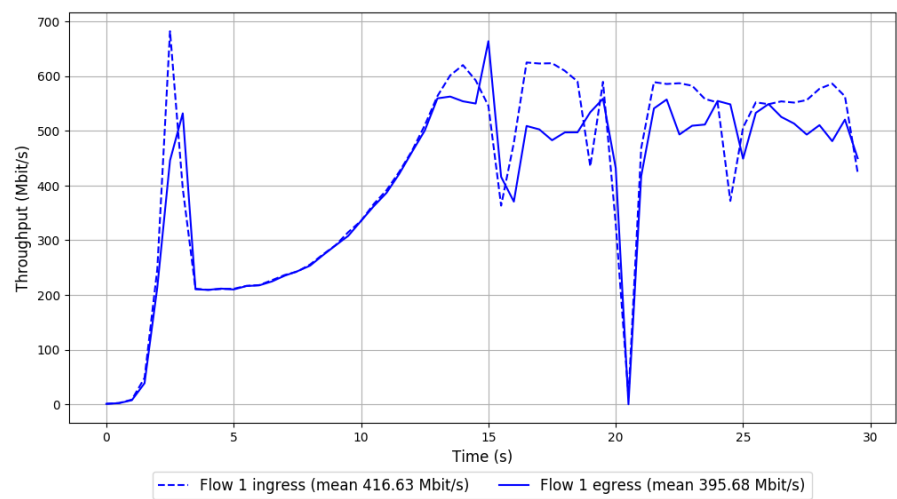
-- Flow 1:

Average throughput: 395.68 Mbit/s

95th percentile per-packet one-way delay: 184.487 ms

Loss rate: 5.04%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 10:27:54

End at: 2018-02-16 10:28:24

Below is generated by plot.py at 2018-02-16 13:54:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.21 Mbit/s

95th percentile per-packet one-way delay: 193.726 ms

Loss rate: 3.70%

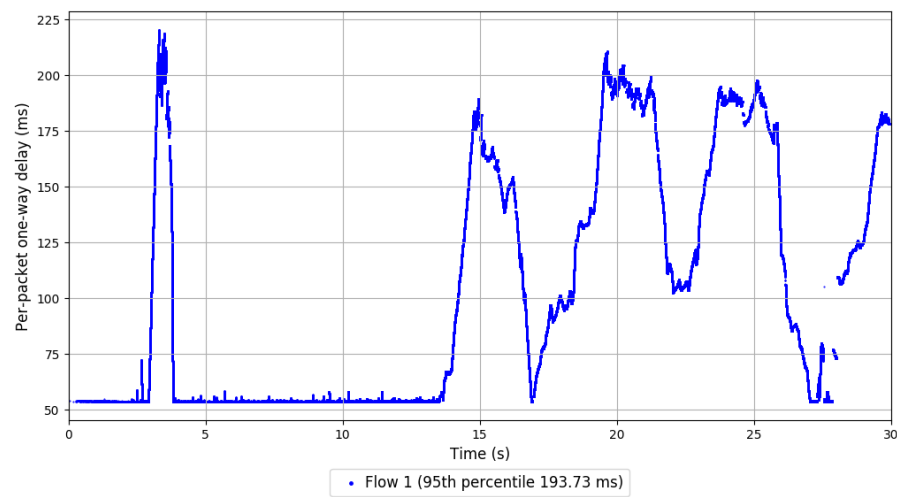
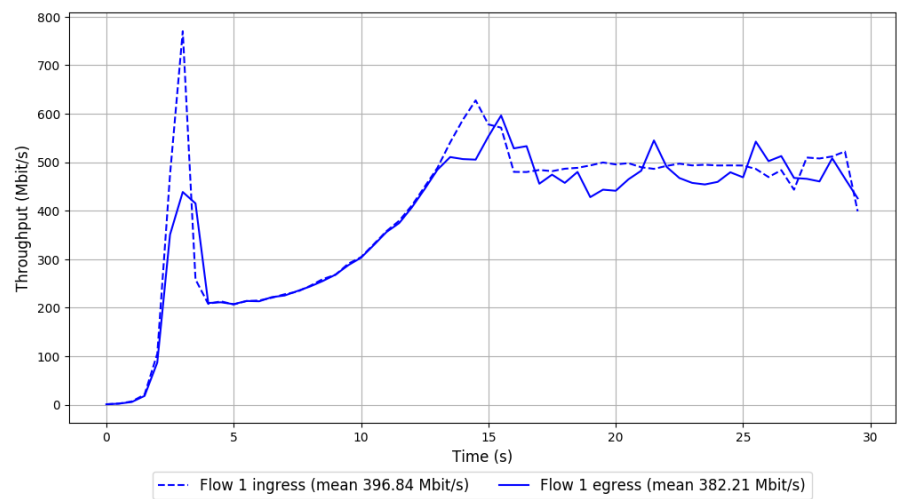
-- Flow 1:

Average throughput: 382.21 Mbit/s

95th percentile per-packet one-way delay: 193.726 ms

Loss rate: 3.70%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 10:42:17

End at: 2018-02-16 10:42:47

Below is generated by plot.py at 2018-02-16 13:56:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.50 Mbit/s

95th percentile per-packet one-way delay: 175.272 ms

Loss rate: 1.52%

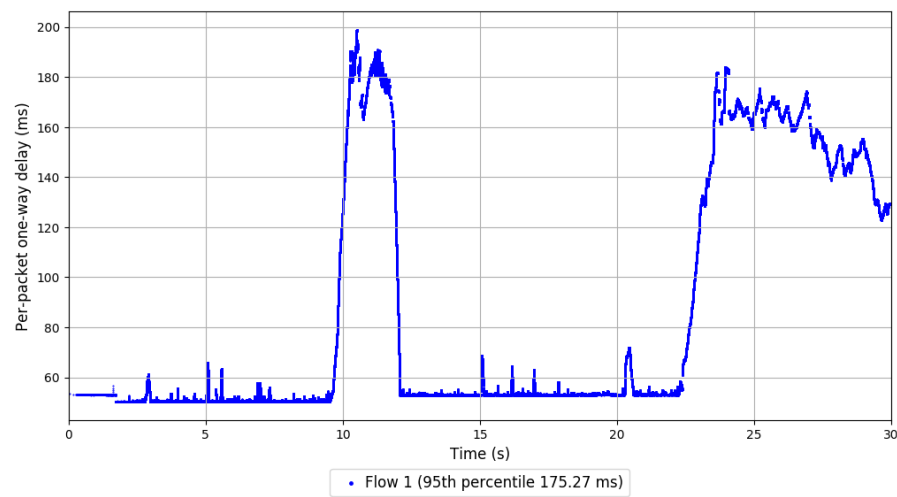
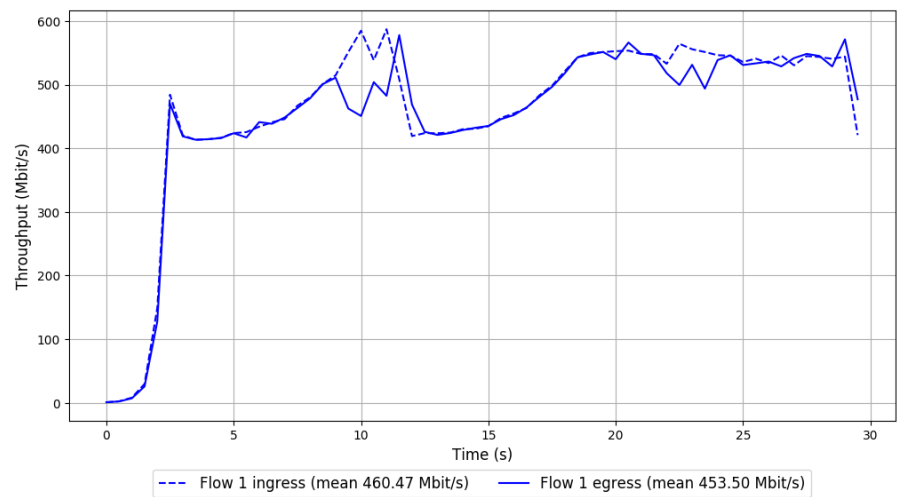
-- Flow 1:

Average throughput: 453.50 Mbit/s

95th percentile per-packet one-way delay: 175.272 ms

Loss rate: 1.52%

Run 10: Report of Vivace-loss — Data Link

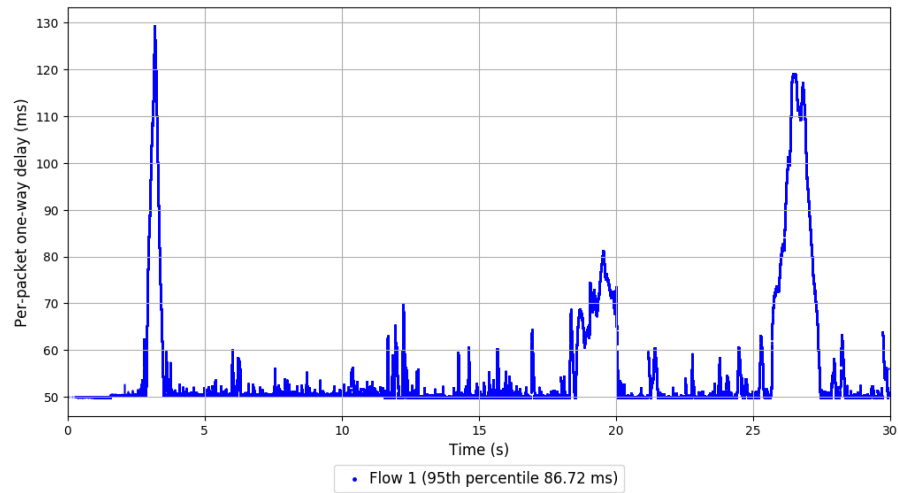
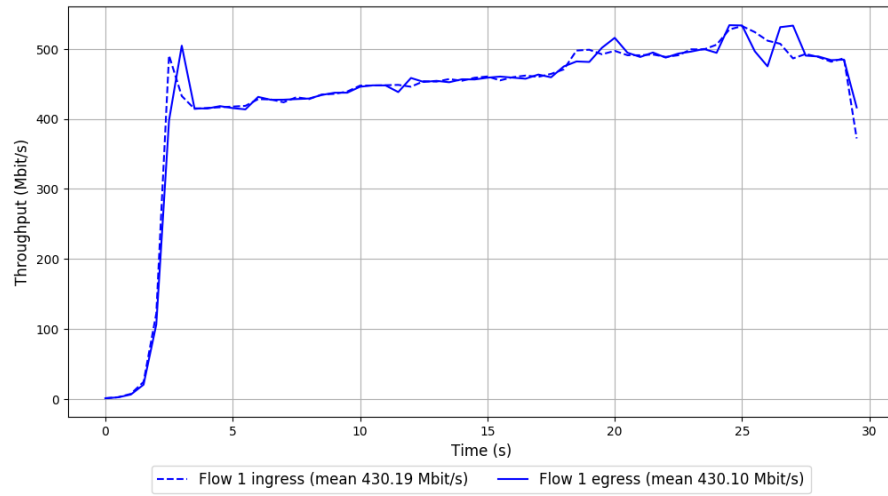


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 08:34:07
End at: 2018-02-16 08:34:37

# Below is generated by plot.py at 2018-02-16 13:57:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 430.10 Mbit/s
95th percentile per-packet one-way delay: 86.724 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 430.10 Mbit/s
95th percentile per-packet one-way delay: 86.724 ms
Loss rate: 0.02%
```

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 08:48:35

End at: 2018-02-16 08:49:05

Below is generated by plot.py at 2018-02-16 13:57:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.90 Mbit/s

95th percentile per-packet one-way delay: 67.254 ms

Loss rate: 0.11%

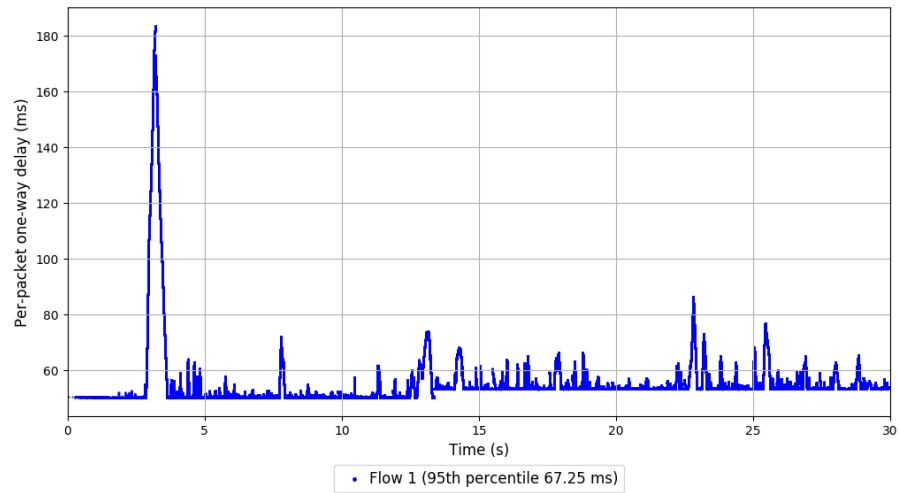
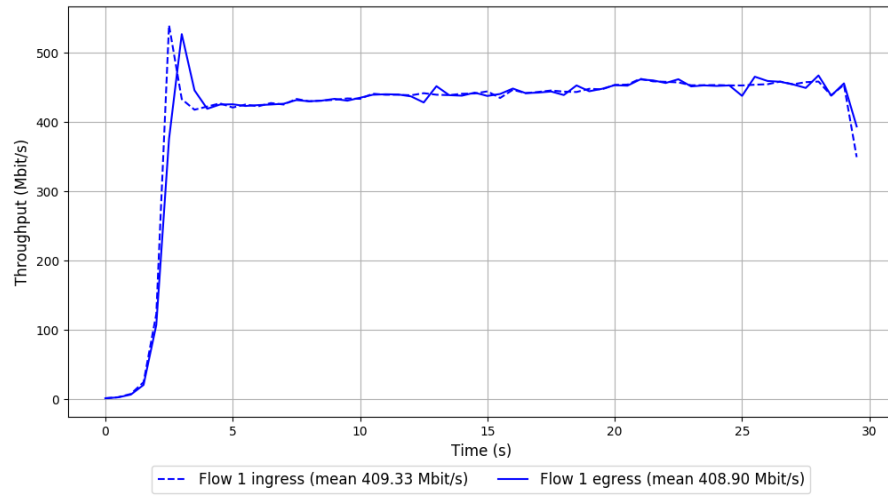
-- Flow 1:

Average throughput: 408.90 Mbit/s

95th percentile per-packet one-way delay: 67.254 ms

Loss rate: 0.11%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 09:03:03

End at: 2018-02-16 09:03:33

Below is generated by plot.py at 2018-02-16 13:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.60 Mbit/s

95th percentile per-packet one-way delay: 69.541 ms

Loss rate: 0.00%

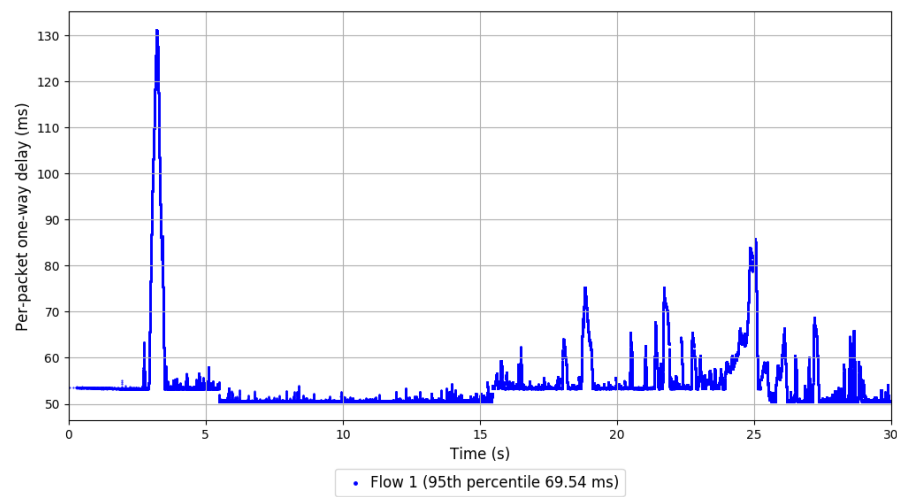
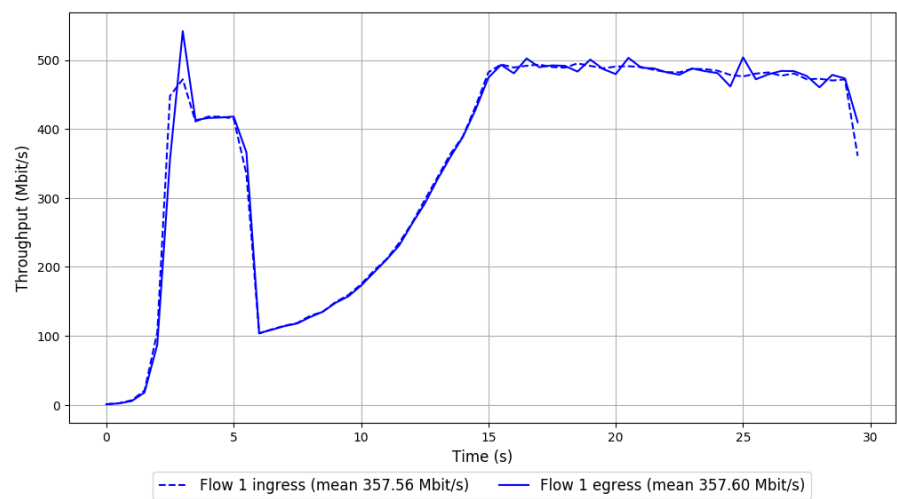
-- Flow 1:

Average throughput: 357.60 Mbit/s

95th percentile per-packet one-way delay: 69.541 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 09:17:26

End at: 2018-02-16 09:17:56

Below is generated by plot.py at 2018-02-16 14:00:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.14 Mbit/s

95th percentile per-packet one-way delay: 84.769 ms

Loss rate: 0.00%

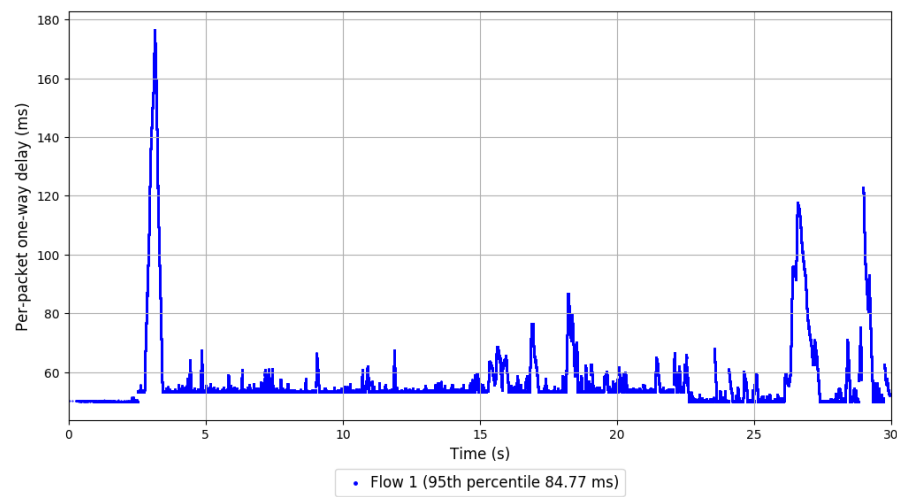
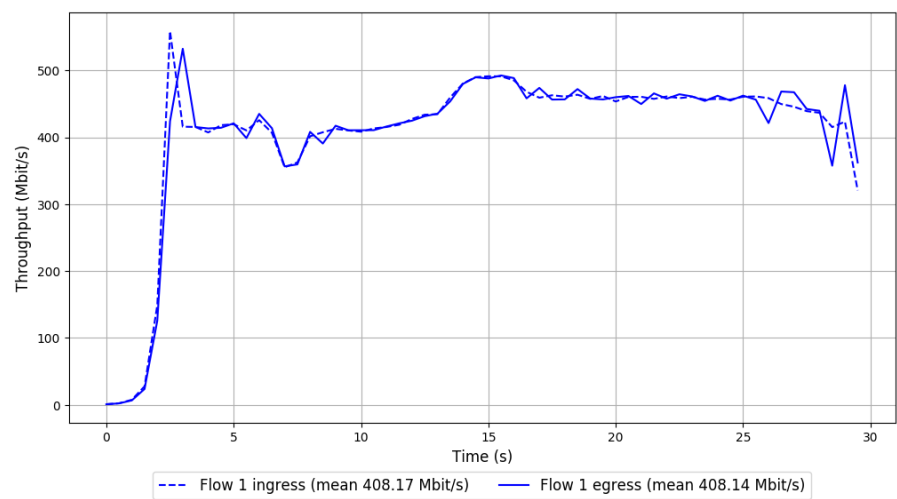
-- Flow 1:

Average throughput: 408.14 Mbit/s

95th percentile per-packet one-way delay: 84.769 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 09:31:42

End at: 2018-02-16 09:32:12

Below is generated by plot.py at 2018-02-16 14:00:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.62 Mbit/s

95th percentile per-packet one-way delay: 74.153 ms

Loss rate: 0.00%

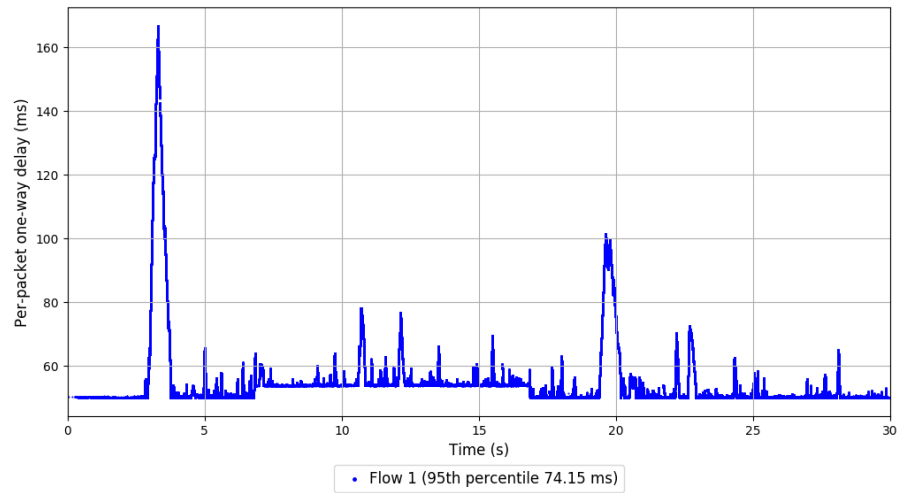
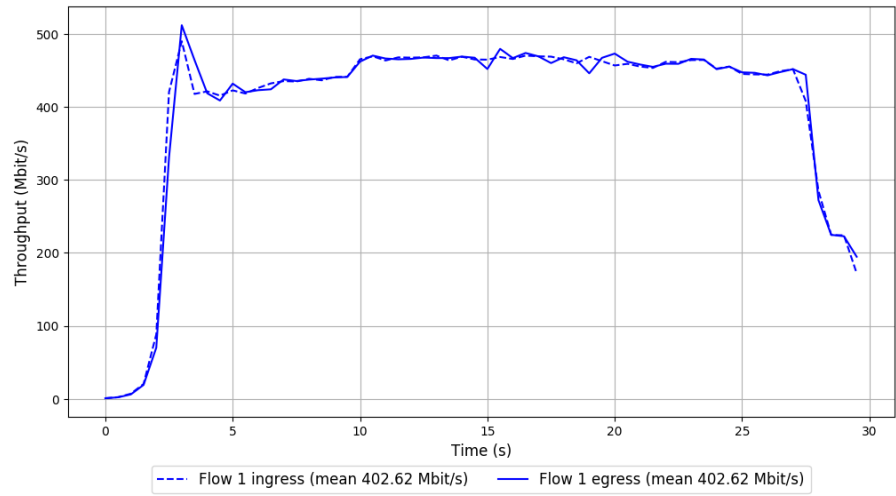
-- Flow 1:

Average throughput: 402.62 Mbit/s

95th percentile per-packet one-way delay: 74.153 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 09:46:18

End at: 2018-02-16 09:46:48

Below is generated by plot.py at 2018-02-16 14:00:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 417.61 Mbit/s

95th percentile per-packet one-way delay: 77.744 ms

Loss rate: 0.13%

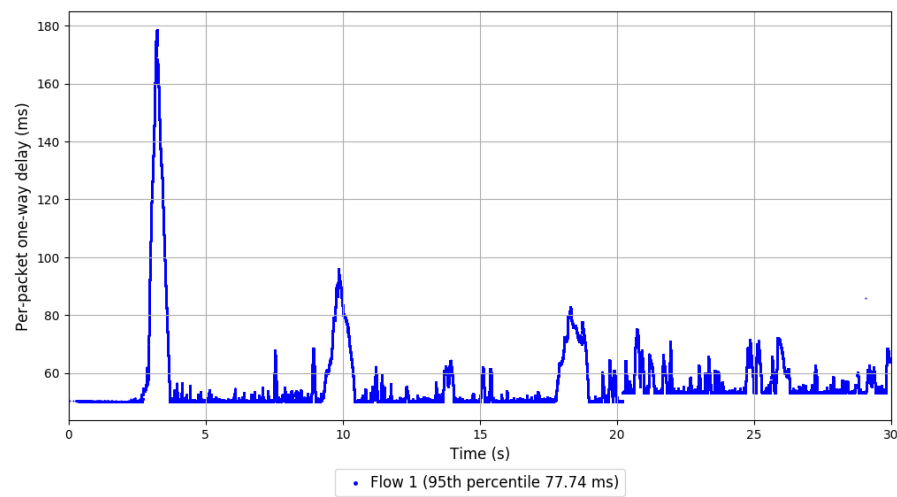
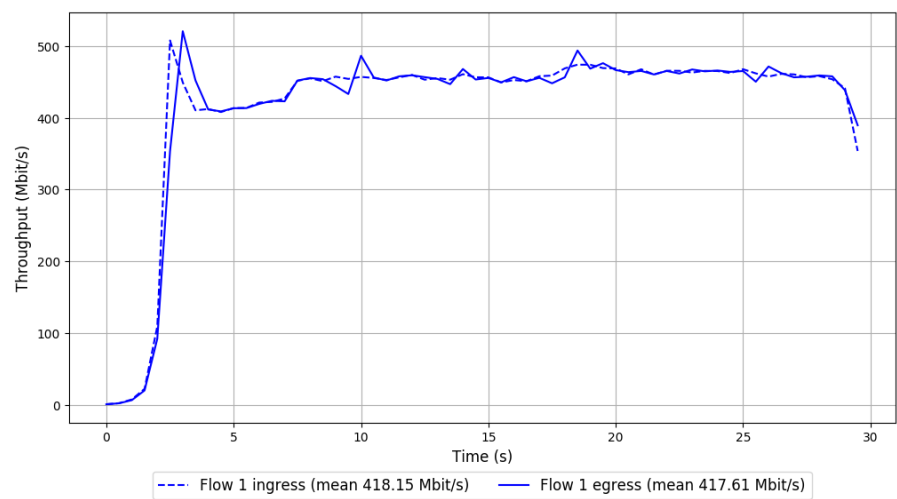
-- Flow 1:

Average throughput: 417.61 Mbit/s

95th percentile per-packet one-way delay: 77.744 ms

Loss rate: 0.13%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 10:00:44

End at: 2018-02-16 10:01:14

Below is generated by plot.py at 2018-02-16 14:00:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.07 Mbit/s

95th percentile per-packet one-way delay: 74.127 ms

Loss rate: 0.00%

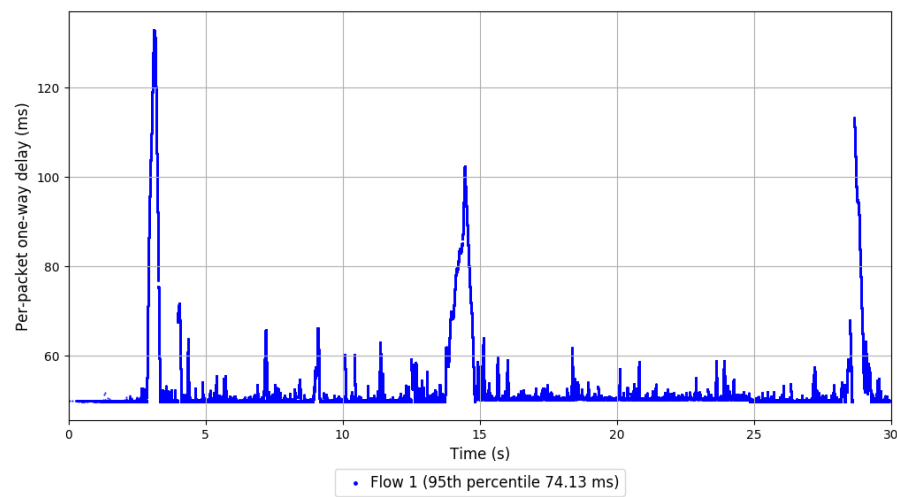
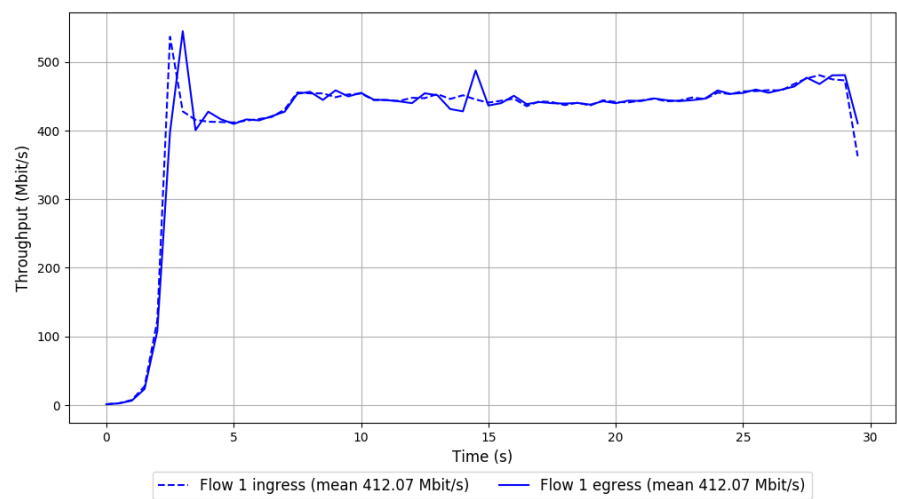
-- Flow 1:

Average throughput: 412.07 Mbit/s

95th percentile per-packet one-way delay: 74.127 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 10:15:03

End at: 2018-02-16 10:15:33

Below is generated by plot.py at 2018-02-16 14:01:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 456.70 Mbit/s

95th percentile per-packet one-way delay: 88.452 ms

Loss rate: 0.02%

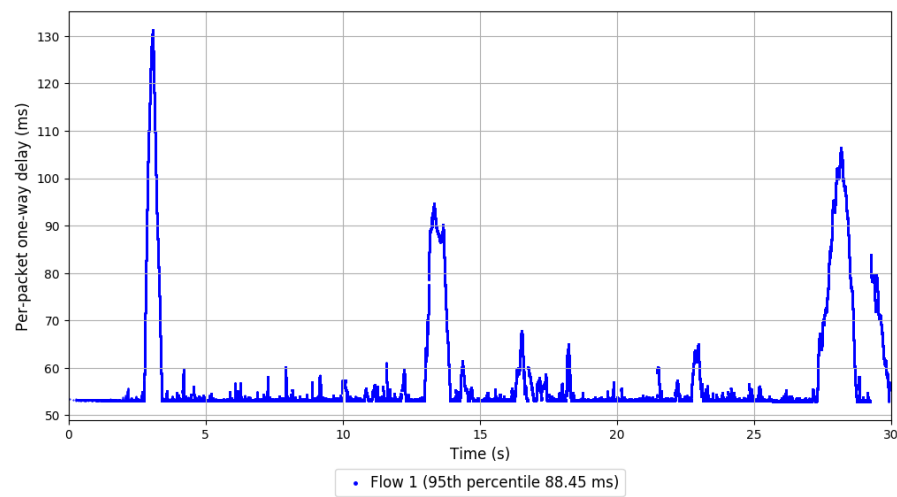
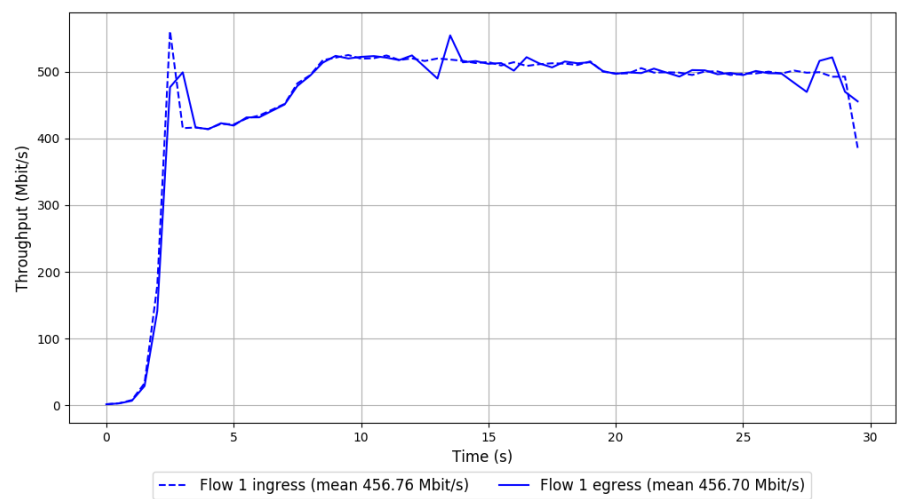
-- Flow 1:

Average throughput: 456.70 Mbit/s

95th percentile per-packet one-way delay: 88.452 ms

Loss rate: 0.02%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 10:29:41

End at: 2018-02-16 10:30:11

Below is generated by plot.py at 2018-02-16 14:01:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.06 Mbit/s

95th percentile per-packet one-way delay: 72.495 ms

Loss rate: 0.27%

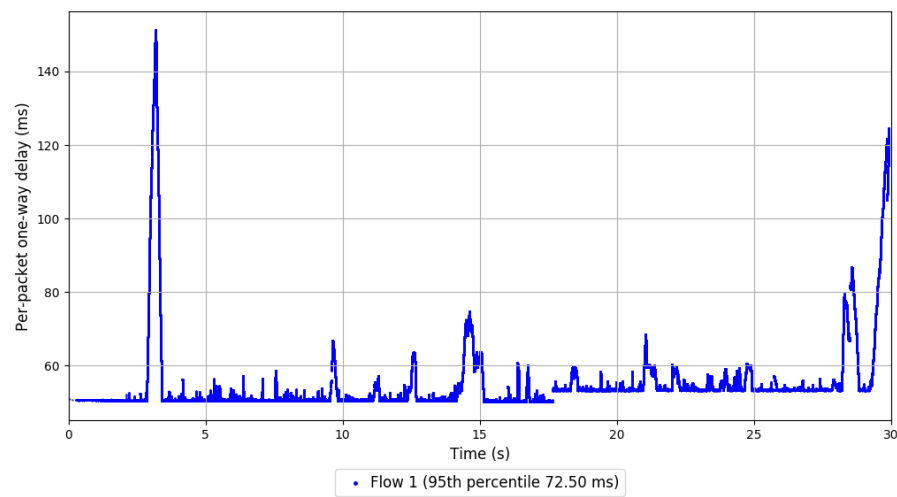
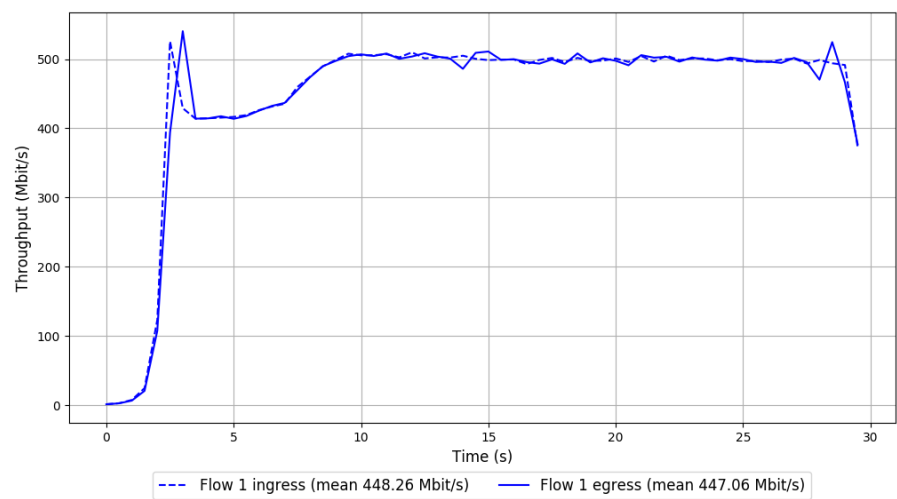
-- Flow 1:

Average throughput: 447.06 Mbit/s

95th percentile per-packet one-way delay: 72.495 ms

Loss rate: 0.27%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 10:44:09
End at: 2018-02-16 10:44:39

# Below is generated by plot.py at 2018-02-16 14:01:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 431.68 Mbit/s
95th percentile per-packet one-way delay: 59.007 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 431.68 Mbit/s
95th percentile per-packet one-way delay: 59.007 ms
Loss rate: 0.01%
```

Run 10: Report of Vivace-LTE — Data Link

